



BARGE "FMT 2004"

New Name Kirby 16825

PORT
HORIZONTAL

INNAGE TABLE
PRIMARY GAUGE AT MIDSHIP

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.21	0	150.93	0	427.56	0	776.23	0	1,173.50	0	1,604.86	0	2,058.92	0	2,525.81	0	2,996.41	0	3,461.81
1/4	1.15	1/4	155.56	1/4	434.25	1/4	784.10	1/4	1,182.20	1/4	1,614.14	1/4	2,068.55	1/4	2,535.61	1/4	3,006.19	1/4	3,471.37
1/2	2.10	1/2	160.19	1/2	440.93	1/2	791.97	1/2	1,190.91	1/2	1,623.42	1/2	2,078.19	1/2	2,545.41	1/2	3,015.96	1/2	3,480.94
3/4	3.04	3/4	164.82	3/4	447.62	3/4	799.84	3/4	1,199.61	3/4	1,632.70	3/4	2,087.83	3/4	2,555.20	3/4	3,025.74	3/4	3,490.50
1	3.99	1	169.45	1	454.31	1	807.71	1	1,208.32	1	1,641.98	1	2,097.46	1	2,565.00	1	3,035.52	1	3,500.07
1/4	5.72	1/4	174.41	1/4	461.11	1/4	815.66	1/4	1,217.08	1/4	1,651.29	1/4	2,107.12	1/4	2,574.81	1/4	3,045.28	1/4	3,509.61
1/2	7.45	1/2	179.37	1/2	467.91	1/2	823.61	1/2	1,225.84	1/2	1,660.61	1/2	2,116.78	1/2	2,584.61	1/2	3,055.05	1/2	3,519.15
3/4	9.18	3/4	184.33	3/4	474.72	3/4	831.57	3/4	1,234.60	3/4	1,669.93	3/4	2,126.44	3/4	2,594.42	3/4	3,064.81	3/4	3,528.69
2	10.91	2	189.29	2	481.52	2	839.52	2	1,243.36	2	1,679.24	2	2,136.09	2	2,604.22	2	3,074.58	2	3,538.23
1/4	13.15	1/4	194.57	1/4	488.43	1/4	847.55	1/4	1,252.18	1/4	1,688.59	1/4	2,145.77	1/4	2,614.03	1/4	3,084.33	1/4	3,547.74
1/2	15.39	1/2	199.85	1/2	495.35	1/2	855.58	1/2	1,260.99	1/2	1,697.95	1/2	2,155.45	1/2	2,623.84	1/2	3,094.09	1/2	3,557.25
3/4	17.63	3/4	205.13	3/4	502.26	3/4	863.61	3/4	1,269.81	3/4	1,707.30	3/4	2,165.12	3/4	2,633.65	3/4	3,103.84	3/4	3,566.76
3	19.87	3	210.42	3	509.18	3	871.64	3	1,278.63	3	1,716.65	3	2,174.80	3	2,643.46	3	3,113.60	3	3,576.28
1/4	22.52	1/4	215.86	1/4	516.20	1/4	879.74	1/4	1,287.50	1/4	1,726.04	1/4	2,184.50	1/4	2,653.27	1/4	3,123.34	1/4	3,585.76
1/2	25.17	1/2	221.31	1/2	523.23	1/2	887.85	1/2	1,296.37	1/2	1,735.43	1/2	2,194.19	1/2	2,663.08	1/2	3,133.08	1/2	3,595.24
3/4	27.82	3/4	226.76	3/4	530.25	3/4	895.96	3/4	1,305.24	3/4	1,744.81	3/4	2,203.89	3/4	2,672.89	3/4	3,142.82	3/4	3,604.72
4	30.47	4	232.21	4	537.28	4	904.06	4	1,314.11	4	1,754.20	4	2,213.58	4	2,682.70	4	3,152.56	4	3,614.21
1/4	33.47	1/4	237.82	1/4	544.40	1/4	912.24	1/4	1,323.03	1/4	1,763.62	1/4	2,223.29	1/4	2,692.51	1/4	3,162.29	1/4	3,623.66
1/2	36.47	1/2	243.42	1/2	551.53	1/2	920.42	1/2	1,331.95	1/2	1,773.04	1/2	2,233.00	1/2	2,702.33	1/2	3,172.02	1/2	3,633.11
3/4	39.47	3/4	249.03	3/4	558.66	3/4	928.60	3/4	1,340.87	3/4	1,782.46	3/4	2,242.72	3/4	2,712.14	3/4	3,181.76	3/4	3,642.57
5	42.47	5	254.64	5	565.79	5	936.79	5	1,349.79	5	1,791.88	5	2,252.43	5	2,721.95	5	3,191.47	5	3,652.02
1/4	45.79	1/4	260.40	1/4	573.02	1/4	945.04	1/4	1,358.76	1/4	1,801.34	1/4	2,262.16	1/4	2,731.76	1/4	3,201.19	1/4	3,661.44
1/2	49.10	1/2	266.16	1/2	580.26	1/2	953.29	1/2	1,367.74	1/2	1,810.79	1/2	2,271.88	1/2	2,741.58	1/2	3,210.90	1/2	3,670.86
3/4	52.41	3/4	271.92	3/4	587.49	3/4	961.55	3/4	1,376.71	3/4	1,820.24	3/4	2,281.61	3/4	2,751.39	3/4	3,220.61	3/4	3,680.28
6	55.73	6	277.68	6	594.72	6	969.80	6	1,385.68	6	1,829.69	6	2,291.34	6	2,761.20	6	3,230.32	6	3,689.70
1/4	59.32	1/4	283.58	1/4	602.05	1/4	978.12	1/4	1,394.70	1/4	1,839.18	1/4	2,301.08	1/4	2,771.01	1/4	3,240.02	1/4	3,699.09
1/2	62.92	1/2	289.49	1/2	609.38	1/2	986.45	1/2	1,403.72	1/2	1,848.66	1/2	2,310.82	1/2	2,780.82	1/2	3,249.71	1/2	3,708.48
3/4	66.52	3/4	295.40	3/4	616.71	3/4	994.77	3/4	1,412.74	3/4	1,858.14	3/4	2,320.56	3/4	2,790.63	3/4	3,259.41	3/4	3,717.86
7	70.11	7	301.31	7	624.04	7	1,003.09	7	1,421.76	7	1,867.63	7	2,330.30	7	2,800.44	7	3,269.10	7	3,727.25
1/4	73.82	1/4	307.35	1/4	631.47	1/4	1,011.48	1/4	1,430.83	1/4	1,877.14	1/4	2,340.06	1/4	2,810.25	1/4	3,278.78	1/4	3,736.60
1/2	77.52	1/2	313.40	1/2	638.90	1/2	1,019.88	1/2	1,439.90	1/2	1,886.65	1/2	2,349.81	1/2	2,820.06	1/2	3,288.46	1/2	3,745.95
3/4	81.23	3/4	319.45	3/4	646.33	3/4	1,028.27	3/4	1,448.96	3/4	1,896.16	3/4	2,359.57	3/4	2,829.87	3/4	3,298.13	3/4	3,755.31
8	84.94	8	325.50	8	653.75	8	1,036.66	8	1,458.03	8	1,905.67	8	2,369.32	8	2,839.68	8	3,307.81	8	3,764.66
1/4	88.73	1/4	331.68	1/4	661.27	1/4	1,045.12	1/4	1,467.14	1/4	1,915.21	1/4	2,379.09	1/4	2,849.48	1/4	3,317.47	1/4	3,773.98
1/2	92.53	1/2	337.87	1/2	668.80	1/2	1,053.57	1/2	1,476.26	1/2	1,924.75	1/2	2,388.85	1/2	2,859.29	1/2	3,327.12	1/2	3,783.29
3/4	96.33	3/4	344.05	3/4	676.32	3/4	1,062.03	3/4	1,485.37	3/4	1,934.29	3/4	2,398.62	3/4	2,869.09	3/4	3,336.78	3/4	3,792.61
9	100.12	9	350.24	9	683.84	9	1,070.49	9	1,494.48	9	1,943.83	9	2,408.39	9	2,878.90	9	3,346.44	9	3,801.93
1/4	104.15	1/4	356.56	1/4	691.45	1/4	1,079.01	1/4	1,503.64	1/4	1,953.40	1/4	2,418.16	1/4	2,888.70	1/4	3,356.07	1/4	3,811.20
1/2	108.17	1/2	362.87	1/2	699.06	1/2	1,087.54	1/2	1,512.80	1/2	1,962.96	1/2	2,427.94	1/2	2,898.50	1/2	3,365.71	1/2	3,820.48
3/4	112.20	3/4	369.19	3/4	706.67	3/4	1,096.06	3/4	1,521.95	3/4	1,972.53	3/4	2,437.72	3/4	2,908.30	3/4	3,375.35	3/4	3,829.76
10	116.23	10	375.51	10	714.29	10	1,104.58	10	1,531.11	10	1,982.10	10	2,447.49	10	2,918.10	10	3,384.98	10	3,839.04
1/4	120.46	1/4	381.95	1/4	721.99	1/4	1,113.16	1/4	1,540.31	1/4	1,991.69	1/4	2,457.28	1/4	2,927.89	1/4	3,394.60	1/4	3,848.28
1/2	124.70	1/2	388.40	1/2	729.69	1/2	1,121.75	1/2	1,549.51	1/2	2,001.28	1/2	2,467.06	1/2	2,937.68	1/2	3,404.21	1/2	3,857.52
3/4	128.94	3/4	394.84	3/4	737.39	3/4	1,130.33	3/4	1,558.71	3/4	2,010.87	3/4	2,476.85	3/4	2,947.47	3/4	3,413.83	3/4	3,866.76
11	133.18	11	401.29	11	745.09	11	1,138.92	11	1,567.90	11	2,020.46	11	2,486.63	11	2,957.27	11	3,423.44	11	3,876.00
1/4	137.62	1/4	407.85	1/4	752.87	1/4	1,147.56	1/4	1,577.14	1/4	2,030.07	1/4	2,496.43	1/4	2,967.05	1/4	3,433.03	1/4	3,885.20
1/2	142.05	1/2	414.42	1/2	760.66	1/2	1,156.21	1/2	1,586.38	1/2	2,039.69	1/2	2,506.22	1/2	2,976.84	1/2	3,442.62	1/2	3,894.39
3/4	146.49	3/4	420.99	3/4	768.45	3/4	1,164.85	3/4	1,595.62	3/4	2,049.30	3/4	2,516.01	3/4	2,986.62	3/4	3,452.21	3/4	3,903.59

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.
GAUGE POINT: PRIMARY GAUGE AT MIDSHIP AND SECONDARY GAUGE AT BOW.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77688
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BARGE "FMT 2004"

New Name Kirby 16825

PORT HORIZONTAL INNAGE TABLE

PRIMARY GAUGE AT MIDSHIP

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	3,912.79	0	4,339.32	0	4,729.62	0	5,068.39	0	5,331.87	0		0		0		0		0	
1/4	3,921.95	1/4	4,347.84	1/4	4,737.23	1/4	5,074.70	1/4	5,336.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,931.11	1/2	4,356.37	1/2	4,744.84	1/2	5,081.02	1/2	5,340.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,940.26	3/4	4,364.89	3/4	4,752.45	3/4	5,087.33	3/4	5,344.85	3/4		3/4		3/4		3/4		3/4	
1	3,949.42	1	4,373.41	1	4,760.06	1	5,093.65	1	5,349.18	1		1		1		1		1	
1/4	3,958.53	1/4	4,381.87	1/4	4,767.59	1/4	5,099.83	1/4	5,353.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,967.64	1/2	4,390.33	1/2	4,775.11	1/2	5,106.02	1/2	5,357.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,976.76	3/4	4,398.78	3/4	4,782.63	3/4	5,112.20	3/4	5,361.48	3/4		3/4		3/4		3/4		3/4	
2	3,985.87	2	4,407.24	2	4,790.15	2	5,118.39	2	5,365.58	2		2		2		2		2	
1/4	3,994.94	1/4	4,415.63	1/4	4,797.58	1/4	5,124.43	1/4	5,369.44	1/4		1/4		1/4		1/4		1/4	
1/2	4,004.00	1/2	4,424.03	1/2	4,805.00	1/2	5,130.48	1/2	5,373.30	1/2		1/2		1/2		1/2		1/2	
3/4	4,013.07	3/4	4,432.42	3/4	4,812.43	3/4	5,136.53	3/4	5,377.16	3/4		3/4		3/4		3/4		3/4	
3	4,022.14	3	4,440.81	3	4,819.86	3	5,142.58	3	5,381.02	3		3		3		3		3	
1/4	4,031.16	1/4	4,449.13	1/4	4,827.19	1/4	5,148.48	1/4	5,384.62	1/4		1/4		1/4		1/4		1/4	
1/2	4,040.18	1/2	4,457.46	1/2	4,834.52	1/2	5,154.39	1/2	5,388.22	1/2		1/2		1/2		1/2		1/2	
3/4	4,049.20	3/4	4,465.78	3/4	4,841.85	3/4	5,160.29	3/4	5,391.82	3/4		3/4		3/4		3/4		3/4	
4	4,058.22	4	4,474.10	4	4,849.18	4	5,166.20	4	5,395.42	4		4		4		4		4	
1/4	4,067.19	1/4	4,482.36	1/4	4,856.41	1/4	5,171.96	1/4	5,398.74	1/4		1/4		1/4		1/4		1/4	
1/2	4,076.17	1/2	4,490.61	1/2	4,863.65	1/2	5,177.72	1/2	5,402.05	1/2		1/2		1/2		1/2		1/2	
3/4	4,085.14	3/4	4,498.86	3/4	4,870.88	3/4	5,183.48	3/4	5,405.37	3/4		3/4		3/4		3/4		3/4	
5	4,094.11	5	4,507.12	5	4,878.11	5	5,189.24	5	5,408.69	5		5		5		5		5	
1/4	4,103.03	1/4	4,515.30	1/4	4,885.24	1/4	5,194.85	1/4	5,411.69	1/4		1/4		1/4		1/4		1/4	
1/2	4,111.95	1/2	4,523.48	1/2	4,892.37	1/2	5,200.46	1/2	5,414.70	1/2		1/2		1/2		1/2		1/2	
3/4	4,120.87	3/4	4,531.66	3/4	4,899.50	3/4	5,206.07	3/4	5,417.70	3/4		3/4		3/4		3/4		3/4	
6	4,129.80	6	4,539.84	6	4,906.63	6	5,211.68	6	5,420.71	6		6		6		6		6	
1/4	4,138.67	1/4	4,547.95	1/4	4,913.65	1/4	5,217.12	1/4	5,423.36	1/4		1/4		1/4		1/4		1/4	
1/2	4,147.54	1/2	4,556.05	1/2	4,920.67	1/2	5,222.57	1/2	5,426.02	1/2		1/2		1/2		1/2		1/2	
3/4	4,156.41	3/4	4,564.16	3/4	4,927.70	3/4	5,228.02	3/4	5,428.67	3/4		3/4		3/4		3/4		3/4	
7	4,165.28	7	4,572.26	7	4,934.72	7	5,233.47	7	5,431.33	7		7		7		7		7	
1/4	4,174.09	1/4	4,580.29	1/4	4,941.64	1/4	5,238.76	1/4	5,433.57	1/4		1/4		1/4		1/4		1/4	
1/2	4,182.91	1/2	4,588.32	1/2	4,948.55	1/2	5,244.04	1/2	5,435.81	1/2		1/2		1/2		1/2		1/2	
3/4	4,191.72	3/4	4,596.35	3/4	4,955.47	3/4	5,249.32	3/4	5,438.06	3/4		3/4		3/4		3/4		3/4	
8	4,200.54	8	4,604.38	8	4,962.38	8	5,254.61	8	5,440.30	8		8		8		8		8	
1/4	4,209.30	1/4	4,612.34	1/4	4,969.18	1/4	5,259.72	1/4	5,442.04	1/4		1/4		1/4		1/4		1/4	
1/2	4,218.06	1/2	4,620.29	1/2	4,975.99	1/2	5,264.83	1/2	5,443.77	1/2		1/2		1/2		1/2		1/2	
3/4	4,226.82	3/4	4,628.24	3/4	4,982.79	3/4	5,269.94	3/4	5,445.51	3/4		3/4		3/4		3/4		3/4	
9	4,235.59	9	4,636.19	9	4,989.59	9	5,275.05	9	5,447.24	9		9		9		9		9	
1/4	4,244.29	1/4	4,644.06	1/4	4,996.28	1/4	5,279.98	1/4	5,448.19	1/4		1/4		1/4		1/4		1/4	
1/2	4,252.99	1/2	4,651.93	1/2	5,002.97	1/2	5,284.91	1/2	5,449.14	1/2		1/2		1/2		1/2		1/2	
3/4	4,261.70	3/4	4,659.80	3/4	5,009.66	3/4	5,289.83	3/4	5,450.09	3/4		3/4		3/4		3/4		3/4	
10	4,270.40	10	4,667.67	10	5,016.34	10	5,294.76	10	5,451.03	10		10		10		10		10	
1/4	4,279.05	1/4	4,675.45	1/4	5,022.91	1/4	5,299.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,287.69	1/2	4,683.24	1/2	5,029.48	1/2	5,304.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,296.34	3/4	4,691.03	3/4	5,036.04	3/4	5,308.98	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,304.98	11	4,698.81	11	5,042.61	11	5,313.72	11		11		11		11		11		11	
1/4	4,313.57	1/4	4,706.51	1/4	5,049.05	1/4	5,318.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,322.15	1/2	4,714.21	1/2	5,055.50	1/2	5,322.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,330.74	3/4	4,721.92	3/4	5,061.94	3/4	5,327.33	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/20/2010 CL - SW
CALCULATED: 01/20/2010 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2010

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



BARGE "FMT 2004"

New Name Kirby 16825

CENTER
HORIZONTAL

INNAGE TABLE
PRIMARY GAUGE AT MIDSHIP

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.21	0	150.94	0	427.53	0	776.15	0	1,173.32	0	1,604.56	0	2,058.48	0	2,525.23	0	2,995.68	0	3,460.93
1/4	1.15	1/4	155.56	1/4	434.22	1/4	784.01	1/4	1,182.02	1/4	1,613.84	1/4	2,068.12	1/4	2,535.02	1/4	3,005.45	1/4	3,470.50
1/2	2.10	1/2	160.19	1/2	440.91	1/2	791.88	1/2	1,190.72	1/2	1,623.12	1/2	2,077.75	1/2	2,544.82	1/2	3,015.23	1/2	3,480.06
3/4	3.04	3/4	164.82	3/4	447.59	3/4	799.75	3/4	1,199.43	3/4	1,632.39	3/4	2,087.38	3/4	2,554.62	3/4	3,025.00	3/4	3,489.62
1	3.99	1	169.45	1	454.28	1	807.62	1	1,208.13	1	1,641.67	1	2,097.02	1	2,564.41	1	3,034.77	1	3,499.18
1/4	5.72	1/4	174.41	1/4	461.08	1/4	815.67	1/4	1,216.89	1/4	1,650.98	1/4	2,106.67	1/4	2,574.21	1/4	3,044.54	1/4	3,508.72
1/2	7.45	1/2	179.37	1/2	467.88	1/2	823.52	1/2	1,225.64	1/2	1,660.29	1/2	2,116.33	1/2	2,584.02	1/2	3,054.30	1/2	3,518.26
3/4	9.18	3/4	184.33	3/4	474.69	3/4	831.47	3/4	1,234.40	3/4	1,669.61	3/4	2,125.98	3/4	2,593.82	3/4	3,064.06	3/4	3,527.80
2	10.91	2	189.29	2	481.49	2	839.42	2	1,243.16	2	1,678.92	2	2,135.64	2	2,603.62	2	3,073.83	2	3,537.33
1/4	13.15	1/4	194.67	1/4	488.40	1/4	847.44	1/4	1,251.98	1/4	1,688.27	1/4	2,145.31	1/4	2,613.42	1/4	3,083.58	1/4	3,546.84
1/2	15.39	1/2	199.85	1/2	495.32	1/2	855.47	1/2	1,260.79	1/2	1,697.62	1/2	2,154.98	1/2	2,623.23	1/2	3,093.33	1/2	3,556.35
3/4	17.63	3/4	205.13	3/4	502.23	3/4	863.50	3/4	1,269.60	3/4	1,706.97	3/4	2,164.66	3/4	2,633.04	3/4	3,103.08	3/4	3,565.86
3	19.87	3	210.42	3	509.14	3	871.53	3	1,278.42	3	1,716.32	3	2,174.33	3	2,642.84	3	3,112.83	3	3,575.37
1/4	22.52	1/4	215.86	1/4	516.17	1/4	879.63	1/4	1,287.29	1/4	1,725.71	1/4	2,184.02	1/4	2,652.65	1/4	3,122.57	1/4	3,584.85
1/2	25.17	1/2	221.31	1/2	523.19	1/2	887.74	1/2	1,296.15	1/2	1,735.09	1/2	2,193.71	1/2	2,662.46	1/2	3,132.31	1/2	3,594.33
3/4	27.82	3/4	226.76	3/4	530.21	3/4	895.84	3/4	1,305.02	3/4	1,744.48	3/4	2,203.41	3/4	2,672.26	3/4	3,142.05	3/4	3,603.81
4	30.47	4	232.21	4	537.23	4	903.96	4	1,313.89	4	1,763.86	4	2,213.10	4	2,682.07	4	3,151.79	4	3,613.29
1/4	33.47	1/4	237.81	1/4	544.36	1/4	912.13	1/4	1,322.81	1/4	1,763.28	1/4	2,222.81	1/4	2,691.88	1/4	3,161.51	1/4	3,622.74
1/2	36.48	1/2	243.42	1/2	551.49	1/2	920.31	1/2	1,331.73	1/2	1,772.70	1/2	2,232.52	1/2	2,701.69	1/2	3,171.24	1/2	3,632.19
3/4	39.48	3/4	249.03	3/4	558.62	3/4	928.48	3/4	1,340.65	3/4	1,782.11	3/4	2,242.23	3/4	2,711.50	3/4	3,180.96	3/4	3,641.64
5	42.48	5	254.63	5	565.75	5	936.66	5	1,349.67	5	1,791.53	5	2,251.93	5	2,721.31	5	3,190.68	5	3,651.09
1/4	45.79	1/4	260.39	1/4	572.98	1/4	944.91	1/4	1,358.54	1/4	1,800.98	1/4	2,261.66	1/4	2,731.12	1/4	3,200.39	1/4	3,660.51
1/2	49.11	1/2	266.15	1/2	580.21	1/2	953.17	1/2	1,367.50	1/2	1,810.43	1/2	2,271.38	1/2	2,740.93	1/2	3,210.10	1/2	3,669.92
3/4	52.42	3/4	271.91	3/4	587.44	3/4	961.42	3/4	1,376.47	3/4	1,819.88	3/4	2,281.11	3/4	2,750.74	3/4	3,219.81	3/4	3,679.34
6	55.73	6	277.67	6	594.67	6	969.67	6	1,385.44	6	1,829.33	6	2,290.83	6	2,760.55	6	3,229.52	6	3,688.76
1/4	59.33	1/4	283.58	1/4	602.00	1/4	977.99	1/4	1,394.46	1/4	1,838.81	1/4	2,300.57	1/4	2,770.35	1/4	3,239.21	1/4	3,698.14
1/2	62.93	1/2	289.48	1/2	609.33	1/2	986.31	1/2	1,403.48	1/2	1,848.29	1/2	2,310.31	1/2	2,780.16	1/2	3,248.90	1/2	3,707.53
3/4	66.52	3/4	295.39	3/4	616.66	3/4	994.63	3/4	1,412.50	3/4	1,857.77	3/4	2,320.05	3/4	2,789.97	3/4	3,258.60	3/4	3,716.91
7	70.12	7	301.30	7	623.99	7	1,002.95	7	1,421.52	7	1,867.25	7	2,329.79	7	2,799.78	7	3,268.29	7	3,726.30
1/4	73.82	1/4	307.35	1/4	631.41	1/4	1,011.34	1/4	1,430.58	1/4	1,876.76	1/4	2,339.54	1/4	2,809.58	1/4	3,277.96	1/4	3,735.65
1/2	77.53	1/2	313.39	1/2	638.84	1/2	1,019.73	1/2	1,439.65	1/2	1,886.27	1/2	2,349.29	1/2	2,819.39	1/2	3,287.64	1/2	3,745.00
3/4	81.24	3/4	319.44	3/4	646.26	3/4	1,028.12	3/4	1,448.71	3/4	1,895.78	3/4	2,359.04	3/4	2,829.19	3/4	3,297.31	3/4	3,754.35
8	84.94	8	325.49	8	653.69	8	1,036.51	8	1,457.78	8	1,905.29	8	2,368.79	8	2,839.00	8	3,306.98	8	3,763.70
1/4	88.74	1/4	331.67	1/4	661.21	1/4	1,044.97	1/4	1,466.89	1/4	1,914.82	1/4	2,378.56	1/4	2,848.80	1/4	3,316.64	1/4	3,773.01
1/2	92.53	1/2	337.86	1/2	668.73	1/2	1,053.42	1/2	1,476.00	1/2	1,924.36	1/2	2,388.32	1/2	2,858.60	1/2	3,326.29	1/2	3,782.32
3/4	96.33	3/4	344.04	3/4	676.25	3/4	1,061.88	3/4	1,485.11	3/4	1,933.90	3/4	2,398.08	3/4	2,868.40	3/4	3,335.95	3/4	3,791.64
9	100.13	9	350.23	9	683.77	9	1,070.34	9	1,494.22	9	1,943.43	9	2,407.84	9	2,878.21	9	3,345.60	9	3,800.95
1/4	104.15	1/4	356.54	1/4	691.38	1/4	1,078.86	1/4	1,503.37	1/4	1,953.00	1/4	2,417.62	1/4	2,888.00	1/4	3,355.23	1/4	3,810.23
1/2	108.18	1/2	362.86	1/2	698.99	1/2	1,087.38	1/2	1,512.52	1/2	1,962.56	1/2	2,427.39	1/2	2,897.80	1/2	3,364.87	1/2	3,819.50
3/4	112.20	3/4	369.18	3/4	706.60	3/4	1,095.90	3/4	1,521.68	3/4	1,972.12	3/4	2,437.16	3/4	2,907.60	3/4	3,374.50	3/4	3,828.78
10	116.23	10	375.49	10	714.21	10	1,104.42	10	1,530.83	10	1,981.69	10	2,446.94	10	2,917.39	10	3,384.14	10	3,838.05
1/4	120.47	1/4	381.93	1/4	721.91	1/4	1,113.00	1/4	1,540.03	1/4	1,991.27	1/4	2,456.72	1/4	2,927.18	1/4	3,393.75	1/4	3,847.29
1/2	124.71	1/2	388.38	1/2	729.61	1/2	1,121.58	1/2	1,549.22	1/2	2,000.86	1/2	2,466.50	1/2	2,936.97	1/2	3,403.36	1/2	3,856.53
3/4	128.94	3/4	394.82	3/4	737.31	3/4	1,130.16	3/4	1,558.42	3/4	2,010.45	3/4	2,476.28	3/4	2,946.76	3/4	3,412.97	3/4	3,865.77
11	133.18	11	401.27	11	745.01	11	1,138.75	11	1,567.62	11	2,020.04	11	2,486.07	11	2,956.55	11	3,422.58	11	3,875.00
1/4	137.62	1/4	407.83	1/4	752.79	1/4	1,147.39	1/4	1,576.85	1/4	2,029.65	1/4	2,495.86	1/4	2,966.33	1/4	3,432.17	1/4	3,884.20
1/2	142.06	1/2	414.40	1/2	760.58	1/2	1,156.03	1/2	1,586.09	1/2	2,039.26	1/2	2,505.65	1/2	2,976.12	1/2	3,441.76	1/2	3,893.39
3/4	146.50	3/4	420.97	3/4	768.36	3/4	1,164.68	3/4	1,595.33	3/4	2,048.87	3/4	2,515.44	3/4	2,985.90	3/4	3,451.34	3/4	3,902.59

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.
GAUGE POINT: PRIMARY GAUGE AT MIDSHIP AND SECONDARY GAUGE AT BOW.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "FMT 2004"

New Name Kirby 16825

CENTER

HORIZONTAL

INNAGE TABLE

PRIMARY GAUGE AT MIDSHIP

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	3,911.79	0	4,338.20	0	4,728.41	0	5,067.12	0	5,330.58	0		0		0		0		0	
1/4	3,920.94	1/4	4,346.72	1/4	4,736.02	1/4	5,073.43	1/4	5,334.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,930.09	1/2	4,355.24	1/2	4,743.63	1/2	5,079.75	1/2	5,339.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,939.25	3/4	4,363.76	3/4	4,751.24	3/4	5,086.07	3/4	5,343.56	3/4		3/4		3/4		3/4		3/4	
1	3,948.40	1	4,372.28	1	4,758.85	1	5,092.38	1	5,347.89	1		1		1		1		1	
1/4	3,957.51	1/4	4,380.74	1/4	4,766.37	1/4	5,098.56	1/4	5,351.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,966.62	1/2	4,389.19	1/2	4,773.89	1/2	5,104.75	1/2	5,356.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,975.73	3/4	4,397.65	3/4	4,781.41	3/4	5,110.93	3/4	5,360.19	3/4		3/4		3/4		3/4		3/4	
2	3,984.84	2	4,406.11	2	4,788.93	2	5,117.11	2	5,364.29	2		2		2		2		2	
1/4	3,993.91	1/4	4,414.50	1/4	4,796.35	1/4	5,123.16	1/4	5,368.15	1/4		1/4		1/4		1/4		1/4	
1/2	4,002.97	1/2	4,422.89	1/2	4,803.78	1/2	5,129.21	1/2	5,372.01	1/2		1/2		1/2		1/2		1/2	
3/4	4,012.04	3/4	4,431.27	3/4	4,811.21	3/4	5,135.26	3/4	5,375.87	3/4		3/4		3/4		3/4		3/4	
3	4,021.10	3	4,439.66	3	4,818.63	3	5,141.30	3	5,379.73	3		3		3		3		3	
1/4	4,030.12	1/4	4,447.99	1/4	4,825.96	1/4	5,147.21	1/4	5,383.33	1/4		1/4		1/4		1/4		1/4	
1/2	4,039.14	1/2	4,456.31	1/2	4,833.29	1/2	5,153.11	1/2	5,386.93	1/2		1/2		1/2		1/2		1/2	
3/4	4,048.16	3/4	4,464.63	3/4	4,840.62	3/4	5,159.02	3/4	5,390.53	3/4		3/4		3/4		3/4		3/4	
4	4,057.17	4	4,472.95	4	4,847.95	4	5,164.92	4	5,394.13	4		4		4		4		4	
1/4	4,066.14	1/4	4,481.20	1/4	4,855.18	1/4	5,170.68	1/4	5,397.45	1/4		1/4		1/4		1/4		1/4	
1/2	4,075.11	1/2	4,489.45	1/2	4,862.41	1/2	5,176.44	1/2	5,400.77	1/2		1/2		1/2		1/2		1/2	
3/4	4,084.08	3/4	4,497.70	3/4	4,869.64	3/4	5,182.20	3/4	5,404.08	3/4		3/4		3/4		3/4		3/4	
5	4,093.05	5	4,505.96	5	4,876.87	5	5,187.96	5	5,407.40	5		5		5		5		5	
1/4	4,101.97	1/4	4,514.13	1/4	4,884.00	1/4	5,193.57	1/4	5,410.41	1/4		1/4		1/4		1/4		1/4	
1/2	4,110.89	1/2	4,522.31	1/2	4,891.13	1/2	5,199.18	1/2	5,413.41	1/2		1/2		1/2		1/2		1/2	
3/4	4,119.81	3/4	4,530.49	3/4	4,898.26	3/4	5,204.79	3/4	5,416.42	3/4		3/4		3/4		3/4		3/4	
6	4,128.73	6	4,538.67	6	4,905.38	6	5,210.39	6	5,419.42	6		6		6		6		6	
1/4	4,137.60	1/4	4,546.78	1/4	4,912.41	1/4	5,215.84	1/4	5,422.08	1/4		1/4		1/4		1/4		1/4	
1/2	4,146.47	1/2	4,554.88	1/2	4,919.43	1/2	5,221.29	1/2	5,424.73	1/2		1/2		1/2		1/2		1/2	
3/4	4,155.33	3/4	4,562.99	3/4	4,926.45	3/4	5,226.74	3/4	5,427.39	3/4		3/4		3/4		3/4		3/4	
7	4,164.20	7	4,571.09	7	4,933.48	7	5,232.19	7	5,430.04	7		7		7		7		7	
1/4	4,173.01	1/4	4,579.12	1/4	4,940.39	1/4	5,237.47	1/4	5,432.28	1/4		1/4		1/4		1/4		1/4	
1/2	4,181.83	1/2	4,587.15	1/2	4,947.30	1/2	5,242.76	1/2	5,434.53	1/2		1/2		1/2		1/2		1/2	
3/4	4,190.64	3/4	4,595.17	3/4	4,954.22	3/4	5,248.04	3/4	5,436.77	3/4		3/4		3/4		3/4		3/4	
8	4,199.46	8	4,603.20	8	4,961.13	8	5,253.32	8	5,439.02	8		8		8		8		8	
1/4	4,208.22	1/4	4,611.15	1/4	4,967.93	1/4	5,258.43	1/4	5,440.75	1/4		1/4		1/4		1/4		1/4	
1/2	4,216.97	1/2	4,619.10	1/2	4,974.74	1/2	5,263.54	1/2	5,442.49	1/2		1/2		1/2		1/2		1/2	
3/4	4,225.73	3/4	4,627.05	3/4	4,981.54	3/4	5,268.65	3/4	5,444.22	3/4		3/4		3/4		3/4		3/4	
9	4,234.49	9	4,635.00	9	4,988.34	9	5,273.76	9	5,445.96	9		9		9		9		9	
1/4	4,243.19	1/4	4,642.87	1/4	4,995.03	1/4	5,278.69	1/4	5,446.91	1/4		1/4		1/4		1/4		1/4	
1/2	4,251.90	1/2	4,650.74	1/2	5,001.71	1/2	5,283.62	1/2	5,447.85	1/2		1/2		1/2		1/2		1/2	
3/4	4,260.60	3/4	4,658.60	3/4	5,008.40	3/4	5,288.55	3/4	5,448.80	3/4		3/4		3/4		3/4		3/4	
10	4,269.30	10	4,666.47	10	5,015.08	10	5,293.48	10	5,449.75	10		10		10		10		10	
1/4	4,277.94	1/4	4,674.26	1/4	5,021.65	1/4	5,298.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,286.59	1/2	4,682.04	1/2	5,028.22	1/2	5,302.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,295.23	3/4	4,689.83	3/4	5,034.78	3/4	5,307.69	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,303.87	11	4,697.61	11	5,041.35	11	5,312.43	11		11		11		11		11		11	
1/4	4,312.45	1/4	4,705.31	1/4	5,047.79	1/4	5,316.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,321.04	1/2	4,713.01	1/2	5,054.23	1/2	5,321.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,329.62	3/4	4,720.71	3/4	5,060.68	3/4	5,326.05	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/20/2010 CL - SW
CALCULATED: 01/20/2010 CL
PRINTED: 01/20/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2010

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



BARGE "FMT 2004"

STBD

HORIZONTAL

New Name Kirby 16825

INNAGE TABLE

PRIMARY GAUGE AT MIDSHIP

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.21	0	150.88	0	427.36	0	775.78	0	1,172.72	0	1,603.70	0	2,057.32	0	2,523.75	0	2,993.90	0	3,458.84
1/4	1.15	1/4	155.51	1/4	434.04	1/4	783.65	1/4	1,181.42	1/4	1,612.97	1/4	2,066.95	1/4	2,533.54	1/4	3,003.66	1/4	3,468.40
1/2	2.10	1/2	160.14	1/2	440.72	1/2	791.51	1/2	1,190.11	1/2	1,622.24	1/2	2,076.58	1/2	2,543.33	1/2	3,013.43	1/2	3,477.95
3/4	3.04	3/4	164.76	3/4	447.40	3/4	799.37	3/4	1,198.81	3/4	1,631.51	3/4	2,086.20	3/4	2,553.12	3/4	3,023.20	3/4	3,487.51
1	3.99	1	169.39	1	454.09	1	807.24	1	1,207.51	1	1,640.78	1	2,095.83	1	2,562.91	1	3,032.96	1	3,497.07
1/4	5.72	1/4	174.35	1/4	460.89	1/4	815.18	1/4	1,216.26	1/4	1,650.08	1/4	2,105.48	1/4	2,572.71	1/4	3,042.72	1/4	3,506.60
1/2	7.45	1/2	179.30	1/2	467.68	1/2	823.13	1/2	1,225.01	1/2	1,659.39	1/2	2,115.13	1/2	2,582.50	1/2	3,052.48	1/2	3,516.13
3/4	9.18	3/4	184.26	3/4	474.48	3/4	831.07	3/4	1,233.77	3/4	1,668.70	3/4	2,124.77	3/4	2,592.30	3/4	3,062.23	3/4	3,525.66
2	10.91	2	189.22	2	481.28	2	839.02	2	1,242.52	2	1,678.01	2	2,134.42	2	2,602.09	2	3,071.99	2	3,535.19
1/4	13.15	1/4	194.50	1/4	488.19	1/4	847.04	1/4	1,251.33	1/4	1,687.35	1/4	2,144.09	1/4	2,611.89	1/4	3,081.73	1/4	3,544.69
1/2	15.39	1/2	199.78	1/2	495.10	1/2	855.06	1/2	1,260.14	1/2	1,696.69	1/2	2,153.76	1/2	2,621.69	1/2	3,091.48	1/2	3,554.19
3/4	17.63	3/4	205.06	3/4	502.01	3/4	863.09	3/4	1,268.95	3/4	1,706.04	3/4	2,163.42	3/4	2,631.49	3/4	3,101.22	3/4	3,563.70
3	19.87	3	210.34	3	508.92	3	871.11	3	1,277.76	3	1,715.38	3	2,173.09	3	2,641.29	3	3,110.97	3	3,573.20
1/4	22.52	1/4	215.78	1/4	515.94	1/4	879.21	1/4	1,286.62	1/4	1,724.76	1/4	2,182.78	1/4	2,651.09	1/4	3,120.70	1/4	3,582.67
1/2	25.17	1/2	221.23	1/2	522.96	1/2	887.31	1/2	1,295.48	1/2	1,734.14	1/2	2,192.46	1/2	2,660.89	1/2	3,130.43	1/2	3,592.15
3/4	27.82	3/4	226.68	3/4	529.98	3/4	895.41	3/4	1,304.34	3/4	1,743.52	3/4	2,202.15	3/4	2,670.69	3/4	3,140.16	3/4	3,601.62
4	30.46	4	232.12	4	537.00	4	903.51	4	1,313.20	4	1,752.90	4	2,211.83	4	2,680.50	4	3,149.90	4	3,611.10
1/4	33.47	1/4	237.73	1/4	544.12	1/4	911.68	1/4	1,322.12	1/4	1,762.31	1/4	2,221.54	1/4	2,690.30	1/4	3,159.61	1/4	3,620.54
1/2	36.47	1/2	243.33	1/2	551.25	1/2	919.86	1/2	1,331.03	1/2	1,771.72	1/2	2,231.24	1/2	2,700.10	1/2	3,169.33	1/2	3,629.98
3/4	39.47	3/4	248.93	3/4	558.37	3/4	928.03	3/4	1,339.95	3/4	1,781.13	3/4	2,240.94	3/4	2,709.90	3/4	3,179.05	3/4	3,639.43
5	42.47	5	254.54	5	565.50	5	936.21	5	1,348.86	5	1,790.54	5	2,250.64	5	2,719.71	5	3,188.77	5	3,648.87
1/4	45.78	1/4	260.29	1/4	572.72	1/4	944.45	1/4	1,357.82	1/4	1,799.99	1/4	2,260.36	1/4	2,729.51	1/4	3,198.47	1/4	3,658.28
1/2	49.09	1/2	266.05	1/2	579.95	1/2	952.70	1/2	1,366.79	1/2	1,809.43	1/2	2,270.08	1/2	2,739.31	1/2	3,208.17	1/2	3,667.69
3/4	52.41	3/4	271.81	3/4	587.18	3/4	960.95	3/4	1,375.75	3/4	1,818.87	3/4	2,279.80	3/4	2,749.11	3/4	3,217.88	3/4	3,677.11
6	55.72	6	277.56	6	594.40	6	969.19	6	1,384.71	6	1,828.32	6	2,289.52	6	2,758.92	6	3,227.58	6	3,686.52
1/4	59.31	1/4	283.47	1/4	601.73	1/4	977.51	1/4	1,393.73	1/4	1,837.79	1/4	2,299.25	1/4	2,768.72	1/4	3,237.26	1/4	3,695.90
1/2	62.91	1/2	289.37	1/2	609.05	1/2	985.83	1/2	1,402.74	1/2	1,847.26	1/2	2,308.98	1/2	2,778.52	1/2	3,246.95	1/2	3,705.27
3/4	66.50	3/4	295.28	3/4	616.38	3/4	994.14	3/4	1,411.75	3/4	1,856.74	3/4	2,318.71	3/4	2,788.32	3/4	3,256.64	3/4	3,714.65
7	70.10	7	301.18	7	623.71	7	1,002.46	7	1,420.76	7	1,866.21	7	2,328.44	7	2,798.12	7	3,266.32	7	3,724.03
1/4	73.80	1/4	307.22	1/4	631.13	1/4	1,010.84	1/4	1,429.82	1/4	1,875.72	1/4	2,338.19	1/4	2,807.92	1/4	3,275.99	1/4	3,733.37
1/2	77.51	1/2	313.27	1/2	638.55	1/2	1,019.23	1/2	1,438.88	1/2	1,885.22	1/2	2,347.93	1/2	2,817.72	1/2	3,285.66	1/2	3,742.72
3/4	81.21	3/4	319.31	3/4	645.97	3/4	1,027.61	3/4	1,447.94	3/4	1,894.72	3/4	2,357.68	3/4	2,827.52	3/4	3,295.32	3/4	3,752.06
8	84.92	8	325.36	8	653.39	8	1,036.00	8	1,457.00	8	1,904.22	8	2,367.42	8	2,837.32	8	3,304.99	8	3,761.41
1/4	88.71	1/4	331.54	1/4	660.91	1/4	1,044.45	1/4	1,466.11	1/4	1,913.76	1/4	2,377.18	1/4	2,847.11	1/4	3,314.64	1/4	3,770.71
1/2	92.51	1/2	337.72	1/2	668.42	1/2	1,052.90	1/2	1,475.21	1/2	1,923.29	1/2	2,386.94	1/2	2,856.91	1/2	3,324.29	1/2	3,780.02
3/4	96.30	3/4	343.90	3/4	675.94	3/4	1,061.35	3/4	1,484.31	3/4	1,932.82	3/4	2,396.69	3/4	2,866.70	3/4	3,333.93	3/4	3,789.33
9	100.10	9	350.08	9	683.46	9	1,069.80	9	1,493.42	9	1,942.35	9	2,406.45	9	2,876.50	9	3,343.58	9	3,798.64
1/4	104.12	1/4	356.40	1/4	691.06	1/4	1,078.32	1/4	1,502.57	1/4	1,951.90	1/4	2,416.22	1/4	2,886.29	1/4	3,353.21	1/4	3,807.91
1/2	108.14	1/2	362.71	1/2	698.67	1/2	1,086.83	1/2	1,511.72	1/2	1,961.46	1/2	2,425.98	1/2	2,896.08	1/2	3,362.84	1/2	3,817.18
3/4	112.17	3/4	369.02	3/4	706.27	3/4	1,095.35	3/4	1,520.86	3/4	1,971.02	3/4	2,435.75	3/4	2,905.87	3/4	3,372.46	3/4	3,826.45
10	116.19	10	375.34	10	713.88	10	1,103.86	10	1,530.01	10	1,980.57	10	2,445.52	10	2,915.66	10	3,382.09	10	3,835.72
1/4	120.43	1/4	381.78	1/4	721.58	1/4	1,112.44	1/4	1,539.20	1/4	1,990.16	1/4	2,455.29	1/4	2,925.44	1/4	3,391.70	1/4	3,844.95
1/2	124.67	1/2	388.22	1/2	729.27	1/2	1,121.02	1/2	1,548.39	1/2	1,999.74	1/2	2,465.07	1/2	2,935.23	1/2	3,401.30	1/2	3,854.18
3/4	128.90	3/4	394.66	3/4	736.97	3/4	1,129.59	3/4	1,557.58	3/4	2,009.32	3/4	2,474.85	3/4	2,945.01	3/4	3,410.91	3/4	3,863.41
11	133.14	11	401.10	11	744.66	11	1,138.17	11	1,566.77	11	2,018.90	11	2,484.62	11	2,954.79	11	3,420.51	11	3,872.64
1/4	137.57	1/4	407.66	1/4	752.44	1/4	1,146.81	1/4	1,576.00	1/4	2,028.51	1/4	2,494.40	1/4	2,964.57	1/4	3,430.09	1/4	3,881.83
1/2	142.01	1/2	414.23	1/2	760.22	1/2	1,155.45	1/2	1,585.23	1/2	2,038.11	1/2	2,504.19	1/2	2,974.34	1/2	3,439.68	1/2	3,891.02
3/4	146.45	3/4	420.79	3/4	768.00	3/4	1,164.08	3/4	1,594.47	3/4	2,047.72	3/4	2,513.97	3/4	2,984.12	3/4	3,449.26	3/4	3,900.21

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.
GAUGE POINT: PRIMARY GAUGE AT MIDSHIP AND SECONDARY GAUGE AT BOW.

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



BARGE "FMT 2004"

New Name Kirby 16825

STBD

HORIZONTAL

INNAGE TABLE

PRIMARY GAUGE AT MIDSHIP

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	3,909.40	0	4,335.55	0	4,725.53	0	5,064.07	0	5,327.42	0		0		0		0		0	
1/4	3,918.55	1/4	4,344.07	1/4	4,733.14	1/4	5,070.38	1/4	5,331.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,927.70	1/2	4,352.58	1/2	4,740.74	1/2	5,076.69	1/2	5,336.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,936.85	3/4	4,361.10	3/4	4,748.35	3/4	5,083.00	3/4	5,340.39	3/4		3/4		3/4		3/4		3/4	
1	3,945.99	1	4,369.61	1	4,755.96	1	5,089.32	1	5,344.71	1		1		1		1		1	
1/4	3,955.10	1/4	4,378.06	1/4	4,763.47	1/4	5,095.50	1/4	5,348.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,964.20	1/2	4,386.51	1/2	4,770.99	1/2	5,101.68	1/2	5,352.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,973.31	3/4	4,394.96	3/4	4,778.50	3/4	5,107.86	3/4	5,357.01	3/4		3/4		3/4		3/4		3/4	
2	3,982.41	2	4,403.42	2	4,786.02	2	5,114.04	2	5,361.11	2		2		2		2		2	
1/4	3,991.47	1/4	4,411.80	1/4	4,793.44	1/4	5,120.08	1/4	5,364.97	1/4		1/4		1/4		1/4		1/4	
1/2	4,000.53	1/2	4,420.19	1/2	4,800.86	1/2	5,126.13	1/2	5,368.83	1/2		1/2		1/2		1/2		1/2	
3/4	4,009.59	3/4	4,428.57	3/4	4,808.29	3/4	5,132.17	3/4	5,372.69	3/4		3/4		3/4		3/4		3/4	
3	4,018.65	3	4,436.95	3	4,815.71	3	5,138.21	3	5,376.54	3		3		3		3		3	
1/4	4,027.66	1/4	4,445.27	1/4	4,823.03	1/4	5,144.12	1/4	5,380.14	1/4		1/4		1/4		1/4		1/4	
1/2	4,036.67	1/2	4,453.59	1/2	4,830.36	1/2	5,150.02	1/2	5,383.74	1/2		1/2		1/2		1/2		1/2	
3/4	4,045.69	3/4	4,461.90	3/4	4,837.68	3/4	5,155.92	3/4	5,387.34	3/4		3/4		3/4		3/4		3/4	
4	4,054.70	4	4,470.22	4	4,845.01	4	5,161.82	4	5,390.94	4		4		4		4		4	
1/4	4,063.66	1/4	4,478.47	1/4	4,852.24	1/4	5,167.58	1/4	5,394.26	1/4		1/4		1/4		1/4		1/4	
1/2	4,072.63	1/2	4,486.71	1/2	4,859.46	1/2	5,173.34	1/2	5,397.57	1/2		1/2		1/2		1/2		1/2	
3/4	4,081.59	3/4	4,494.96	3/4	4,866.69	3/4	5,179.10	3/4	5,400.89	3/4		3/4		3/4		3/4		3/4	
5	4,090.55	5	4,503.21	5	4,873.92	5	5,184.86	5	5,404.21	5		5		5		5		5	
1/4	4,099.47	1/4	4,511.38	1/4	4,881.04	1/4	5,190.46	1/4	5,407.21	1/4		1/4		1/4		1/4		1/4	
1/2	4,108.38	1/2	4,519.55	1/2	4,888.16	1/2	5,196.07	1/2	5,410.22	1/2		1/2		1/2		1/2		1/2	
3/4	4,117.30	3/4	4,527.73	3/4	4,895.29	3/4	5,201.67	3/4	5,413.22	3/4		3/4		3/4		3/4		3/4	
6	4,126.21	6	4,535.90	6	4,902.41	6	5,207.28	6	5,416.23	6		6		6		6		6	
1/4	4,135.07	1/4	4,544.00	1/4	4,909.43	1/4	5,212.72	1/4	5,418.88	1/4		1/4		1/4		1/4		1/4	
1/2	4,143.93	1/2	4,552.10	1/2	4,916.45	1/2	5,218.17	1/2	5,421.53	1/2		1/2		1/2		1/2		1/2	
3/4	4,152.79	3/4	4,560.20	3/4	4,923.47	3/4	5,223.61	3/4	5,424.19	3/4		3/4		3/4		3/4		3/4	
7	4,161.66	7	4,568.30	7	4,930.49	7	5,229.06	7	5,426.84	7		7		7		7		7	
1/4	4,170.47	1/4	4,576.33	1/4	4,937.40	1/4	5,234.34	1/4	5,429.08	1/4		1/4		1/4		1/4		1/4	
1/2	4,179.27	1/2	4,584.35	1/2	4,944.31	1/2	5,239.62	1/2	5,431.33	1/2		1/2		1/2		1/2		1/2	
3/4	4,188.08	3/4	4,592.37	3/4	4,951.22	3/4	5,244.90	3/4	5,433.57	3/4		3/4		3/4		3/4		3/4	
8	4,196.89	8	4,600.40	8	4,958.13	8	5,250.18	8	5,435.81	8		8		8		8		8	
1/4	4,205.64	1/4	4,608.34	1/4	4,964.93	1/4	5,255.29	1/4	5,437.55	1/4		1/4		1/4		1/4		1/4	
1/2	4,214.40	1/2	4,616.29	1/2	4,971.73	1/2	5,260.40	1/2	5,439.28	1/2		1/2		1/2		1/2		1/2	
3/4	4,223.15	3/4	4,624.23	3/4	4,978.53	3/4	5,265.51	3/4	5,441.02	3/4		3/4		3/4		3/4		3/4	
9	4,231.91	9	4,632.18	9	4,985.33	9	5,270.62	9	5,442.75	9		9		9		9		9	
1/4	4,240.60	1/4	4,640.04	1/4	4,992.01	1/4	5,275.54	1/4	5,443.70	1/4		1/4		1/4		1/4		1/4	
1/2	4,249.30	1/2	4,647.90	1/2	4,998.69	1/2	5,280.47	1/2	5,444.65	1/2		1/2		1/2		1/2		1/2	
3/4	4,257.99	3/4	4,655.77	3/4	5,005.37	3/4	5,285.40	3/4	5,445.60	3/4		3/4		3/4		3/4		3/4	
10	4,266.69	10	4,663.63	10	5,012.06	10	5,290.32	10	5,446.55	10		10		10		10		10	
1/4	4,275.33	1/4	4,671.41	1/4	5,018.62	1/4	5,295.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,283.97	1/2	4,679.19	1/2	5,025.18	1/2	5,299.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,292.60	3/4	4,686.97	3/4	5,031.75	3/4	5,304.53	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,301.24	11	4,694.75	11	5,038.31	11	5,309.27	11		11		11		11		11		11	
1/4	4,309.82	1/4	4,702.45	1/4	5,044.75	1/4	5,313.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,318.40	1/2	4,710.14	1/2	5,051.19	1/2	5,318.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,326.98	3/4	4,717.84	3/4	5,057.63	3/4	5,322.88	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/20/2010 CL - SW
CALCULATED: 01/20/2010 CL
PRINTED: 01/20/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2010

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