



BARGE "KIRBY 10081"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 163'-06"

February 11, 2010

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 10081"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

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		0		0	3,784.30	0	3,556.09	0	3,303.91	0	3,051.73	0	2,794.70	0	2,499.24	0	2,203.05
1/4		1/4		1/4		1/4	3,783.27	1/4	3,550.83	1/4	3,298.66	1/4	3,046.48	1/4	2,788.55	1/4	2,493.07	1/4	2,196.88
1/2		1/2		1/2		1/2	3,782.23	1/2	3,545.58	1/2	3,293.40	1/2	3,041.23	1/2	2,782.40	1/2	2,486.90	1/2	2,190.70
3/4		3/4		3/4		3/4	3,781.20	3/4	3,540.33	3/4	3,288.15	3/4	3,035.97	3/4	2,776.24	3/4	2,480.73	3/4	2,184.53
1		1		1		1	3,778.10	1	3,535.07	1	3,282.90	1	3,030.72	1	2,770.09	1	2,474.56	1	2,178.36
1/4		1/4		1/4		1/4	3,775.01	1/4	3,529.82	1/4	3,277.64	1/4	3,025.46	1/4	2,763.94	1/4	2,468.39	1/4	2,172.19
1/2		1/2		1/2		1/2	3,771.91	1/2	3,524.57	1/2	3,272.39	1/2	3,020.21	1/2	2,757.79	1/2	2,462.22	1/2	2,166.02
3/4		3/4		3/4		3/4	3,768.81	3/4	3,519.31	3/4	3,267.13	3/4	3,014.96	3/4	2,751.64	3/4	2,456.04	3/4	2,159.85
2		2		2		2	3,763.65	2	3,514.06	2	3,261.88	2	3,009.70	2	2,745.48	2	2,449.87	2	2,153.68
1/4		1/4		1/4		1/4	3,758.49	1/4	3,508.81	1/4	3,256.63	1/4	3,004.45	1/4	2,739.33	1/4	2,443.70	1/4	2,147.51
1/2		1/2		1/2		1/2	3,753.33	1/2	3,503.55	1/2	3,251.37	1/2	2,999.20	1/2	2,733.18	1/2	2,437.53	1/2	2,141.34
3/4		3/4		3/4		3/4	3,748.17	3/4	3,498.30	3/4	3,246.12	3/4	2,993.94	3/4	2,727.03	3/4	2,431.36	3/4	2,135.17
3		3		3		3	3,743.05	3	3,493.04	3	3,240.87	3	2,988.69	3	2,720.88	3	2,425.19	3	2,129.00
1/4		1/4		1/4		1/4	3,737.93	1/4	3,487.79	1/4	3,235.61	1/4	2,983.44	1/4	2,714.73	1/4	2,419.02	1/4	2,122.83
1/2		1/2		1/2		1/2	3,732.81	1/2	3,482.54	1/2	3,230.36	1/2	2,978.18	1/2	2,708.57	1/2	2,412.85	1/2	2,116.66
3/4		3/4		3/4		3/4	3,727.69	3/4	3,477.28	3/4	3,225.11	3/4	2,972.93	3/4	2,702.42	3/4	2,406.68	3/4	2,110.49
4		4		4		4	3,722.53	4	3,472.03	4	3,219.85	4	2,967.67	4	2,696.27	4	2,400.51	4	2,104.31
1/4		1/4		1/4		1/4	3,717.38	1/4	3,466.78	1/4	3,214.60	1/4	2,962.42	1/4	2,690.12	1/4	2,394.34	1/4	2,098.14
1/2		1/2		1/2		1/2	3,712.22	1/2	3,461.52	1/2	3,209.34	1/2	2,957.17	1/2	2,683.97	1/2	2,388.17	1/2	2,091.97
3/4		3/4		3/4		3/4	3,707.07	3/4	3,456.27	3/4	3,204.09	3/4	2,951.91	3/4	2,677.81	3/4	2,382.00	3/4	2,085.80
5		5		5		5	3,701.90	5	3,451.01	5	3,198.84	5	2,946.66	5	2,671.66	5	2,375.83	5	2,079.63
1/4		1/4		1/4		1/4	3,696.73	1/4	3,445.76	1/4	3,193.58	1/4	2,941.41	1/4	2,665.51	1/4	2,369.66	1/4	2,073.46
1/2		1/2		1/2		1/2	3,691.56	1/2	3,440.51	1/2	3,188.33	1/2	2,936.15	1/2	2,659.36	1/2	2,363.48	1/2	2,067.29
3/4		3/4		3/4		3/4	3,686.39	3/4	3,435.25	3/4	3,183.08	3/4	2,930.90	3/4	2,653.21	3/4	2,357.31	3/4	2,061.12
6		6		6		6	3,681.22	6	3,430.00	6	3,177.82	6	2,925.64	6	2,647.05	6	2,351.14	6	2,054.95
1/4		1/4		1/4		1/4	3,676.05	1/4	3,424.75	1/4	3,172.57	1/4	2,920.39	1/4	2,640.90	1/4	2,344.97	1/4	2,048.78
1/2		1/2		1/2		1/2	3,670.88	1/2	3,419.49	1/2	3,167.31	1/2	2,915.14	1/2	2,634.75	1/2	2,338.80	1/2	2,042.61
3/4		3/4		3/4		3/4	3,665.71	3/4	3,414.24	3/4	3,162.06	3/4	2,909.88	3/4	2,628.60	3/4	2,332.63	3/4	2,036.44
7		7		7		7	3,660.55	7	3,408.98	7	3,156.81	7	2,904.63	7	2,622.45	7	2,326.46	7	2,030.27
1/4		1/4		1/4		1/4	3,655.38	1/4	3,403.73	1/4	3,151.55	1/4	2,899.38	1/4	2,616.30	1/4	2,320.29	1/4	2,024.10
1/2		1/2		1/2		1/2	3,650.22	1/2	3,398.48	1/2	3,146.30	1/2	2,894.12	1/2	2,610.14	1/2	2,314.12	1/2	2,017.93
3/4		3/4		3/4		3/4	3,645.05	3/4	3,393.22	3/4	3,141.05	3/4	2,888.87	3/4	2,603.99	3/4	2,307.95	3/4	2,011.75
8		8		8		8	3,639.88	8	3,387.97	8	3,135.79	8	2,883.61	8	2,597.84	8	2,301.78	8	2,005.58
1/4		1/4		1/4		1/4	3,634.72	1/4	3,382.72	1/4	3,130.54	1/4	2,878.36	1/4	2,591.69	1/4	2,295.61	1/4	1,999.41
1/2		1/2		1/2		1/2	3,629.55	1/2	3,377.46	1/2	3,125.28	1/2	2,873.11	1/2	2,585.54	1/2	2,289.44	1/2	1,993.24
3/4		3/4		3/4		3/4	3,624.39	3/4	3,372.21	3/4	3,120.03	3/4	2,867.85	3/4	2,579.38	3/4	2,283.27	3/4	1,987.07
9		9		9		9	3,619.13	9	3,366.96	9	3,114.78	9	2,862.58	9	2,573.23	9	2,277.09	9	1,980.90
1/4		1/4		1/4		1/4	3,613.88	1/4	3,361.70	1/4	3,109.52	1/4	2,857.30	1/4	2,567.08	1/4	2,270.92	1/4	1,974.73
1/2		1/2		1/2		1/2	3,608.63	1/2	3,356.45	1/2	3,104.27	1/2	2,852.02	1/2	2,560.93	1/2	2,264.75	1/2	1,968.56
3/4		3/4		3/4		3/4	3,603.37	3/4	3,351.19	3/4	3,099.02	3/4	2,846.74	3/4	2,554.78	3/4	2,258.58	3/4	1,962.39
10		10		10		10	3,598.12	10	3,345.94	10	3,093.76	10	2,841.46	10	2,548.61	10	2,252.41	10	1,956.22
1/4		1/4		1/4		1/4	3,592.86	1/4	3,340.69	1/4	3,088.51	1/4	2,836.18	1/4	2,542.43	1/4	2,246.24	1/4	1,950.05
1/2		1/2		1/2		1/2	3,587.61	1/2	3,335.43	1/2	3,083.26	1/2	2,830.90	1/2	2,536.26	1/2	2,240.07	1/2	1,943.88
3/4		3/4		3/4		3/4	3,582.36	3/4	3,330.18	3/4	3,078.00	3/4	2,825.62	3/4	2,530.09	3/4	2,233.90	3/4	1,937.71
11		11		11		11	3,577.10	11	3,324.93	11	3,072.75	11	2,819.43	11	2,523.92	11	2,227.73	11	1,931.54
1/4		1/4		1/4		1/4	3,571.85	1/4	3,319.67	1/4	3,067.49	1/4	2,813.24	1/4	2,517.75	1/4	2,221.56	1/4	1,925.36
1/2		1/2		1/2		1/2	3,566.60	1/2	3,314.42	1/2	3,062.24	1/2	2,807.05	1/2	2,511.58	1/2	2,215.39	1/2	1,919.19
3/4		3/4		3/4		3/4	3,785.33	3/4	3,561.34	3/4	3,309.16	3/4	3,056.99	3/4	2,800.85	3/4	2,505.41	3/4	1,913.02

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 10081"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

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	1,906.85	0	1,610.45	0	1,313.85	0	1,017.24	0	726.39	0	429.96	0	133.13	0		0		0	
1/4	1,900.68	1/4	1,604.27	1/4	1,307.67	1/4	1,011.06	1/4	720.30	1/4	423.77	1/4	126.96	1/4	1/4	1/4		1/4	
1/2	1,894.51	1/2	1,598.09	1/2	1,301.49	1/2	1,004.88	1/2	714.22	1/2	417.59	1/2	120.78	1/2	1/2	1/2		1/2	
3/4	1,888.34	3/4	1,591.92	3/4	1,295.31	3/4	998.71	3/4	708.13	3/4	411.41	3/4	114.60	3/4	3/4	3/4		3/4	
1	1,882.17	1	1,585.74	1	1,289.13	1	992.53	1	701.97	1	405.22	1	108.45	1	1	1		1	
1/4	1,876.00	1/4	1,579.56	1/4	1,282.95	1/4	986.35	1/4	695.80	1/4	399.04	1/4	102.29	1/4	1/4	1/4		1/4	
1/2	1,869.83	1/2	1,573.38	1/2	1,276.77	1/2	980.17	1/2	689.64	1/2	392.85	1/2	96.14	1/2	1/2	1/2		1/2	
3/4	1,863.66	3/4	1,567.20	3/4	1,270.59	3/4	973.99	3/4	683.47	3/4	386.67	3/4	89.98	3/4	3/4	3/4		3/4	
2	1,857.49	2	1,561.02	2	1,264.42	2	967.87	2	677.29	2	380.49	2	83.86	2	2	2		2	
1/4	1,851.32	1/4	1,554.84	1/4	1,258.24	1/4	961.76	1/4	671.11	1/4	374.30	1/4	77.73	1/4	1/4	1/4		1/4	
1/2	1,845.15	1/2	1,548.66	1/2	1,252.06	1/2	955.64	1/2	664.93	1/2	368.12	1/2	71.61	1/2	1/2	1/2		1/2	
3/4	1,838.97	3/4	1,542.48	3/4	1,245.88	3/4	949.52	3/4	658.74	3/4	361.94	3/4	65.48	3/4	3/4	3/4		3/4	
3	1,832.80	3	1,536.30	3	1,239.70	3	943.47	3	652.56	3	355.75	3	59.42	3	3	3		3	
1/4	1,826.63	1/4	1,530.13	1/4	1,233.52	1/4	937.42	1/4	646.38	1/4	349.57	1/4	53.35	1/4	1/4	1/4		1/4	
1/2	1,820.46	1/2	1,523.95	1/2	1,227.34	1/2	931.36	1/2	640.20	1/2	343.39	1/2	47.28	1/2	1/2	1/2		1/2	
3/4	1,814.29	3/4	1,517.77	3/4	1,221.16	3/4	925.31	3/4	634.01	3/4	337.20	3/4	41.22	3/4	3/4	3/4		3/4	
4	1,808.11	4	1,511.59	4	1,214.98	4	919.26	4	627.83	4	331.02	4	36.06	4	4	4		4	
1/4	1,801.93	1/4	1,505.41	1/4	1,208.80	1/4	913.20	1/4	621.65	1/4	324.83	1/4	30.91	1/4	1/4	1/4		1/4	
1/2	1,795.75	1/2	1,499.23	1/2	1,202.62	1/2	907.15	1/2	615.46	1/2	318.65	1/2	25.76	1/2	1/2	1/2		1/2	
3/4	1,789.58	3/4	1,493.05	3/4	1,196.44	3/4	901.10	3/4	609.28	3/4	312.47	3/4	20.60	3/4	3/4	3/4		3/4	
5	1,783.40	5	1,486.87	5	1,190.26	5	895.06	5	603.10	5	306.28	5	17.50	5	5	5		5	
1/4	1,777.22	1/4	1,480.69	1/4	1,184.08	1/4	889.03	1/4	596.91	1/4	300.10	1/4	14.41	1/4	1/4	1/4		1/4	
1/2	1,771.04	1/2	1,474.51	1/2	1,177.90	1/2	882.99	1/2	590.73	1/2	293.92	1/2	11.31	1/2	1/2	1/2		1/2	
3/4	1,764.86	3/4	1,468.33	3/4	1,171.73	3/4	876.95	3/4	584.55	3/4	287.73	3/4	8.21	3/4	3/4	3/4		3/4	
6	1,758.68	6	1,462.15	6	1,165.55	6	870.93	6	578.36	6	281.55	6	7.18	6	6	6		6	
1/4	1,752.50	1/4	1,455.97	1/4	1,159.37	1/4	864.91	1/4	572.18	1/4	275.37	1/4	6.15	1/4	1/4	1/4		1/4	
1/2	1,746.32	1/2	1,449.79	1/2	1,153.19	1/2	858.89	1/2	566.00	1/2	269.18	1/2	5.12	1/2	1/2	1/2		1/2	
3/4	1,740.14	3/4	1,443.61	3/4	1,147.01	3/4	852.87	3/4	559.81	3/4	263.00	3/4	4.08	3/4	3/4	3/4		3/4	
7	1,733.97	7	1,437.44	7	1,140.83	7	846.85	7	553.63	7	256.82	7		7	7	7		7	
1/4	1,727.79	1/4	1,431.26	1/4	1,134.65	1/4	840.83	1/4	547.44	1/4	250.63	1/4		1/4	1/4	1/4		1/4	
1/2	1,721.61	1/2	1,425.08	1/2	1,128.47	1/2	834.81	1/2	541.26	1/2	244.45	1/2		1/2	1/2	1/2		1/2	
3/4	1,715.43	3/4	1,418.90	3/4	1,122.29	3/4	828.79	3/4	535.08	3/4	238.26	3/4		3/4	3/4	3/4		3/4	
8	1,709.26	8	1,412.72	8	1,116.11	8	822.77	8	528.89	8	232.08	8		8	8	8		8	
1/4	1,703.08	1/4	1,406.54	1/4	1,109.93	1/4	816.75	1/4	522.71	1/4	225.90	1/4		1/4	1/4	1/4		1/4	
1/2	1,696.90	1/2	1,400.36	1/2	1,103.75	1/2	810.73	1/2	516.53	1/2	219.71	1/2		1/2	1/2	1/2		1/2	
3/4	1,690.73	3/4	1,394.18	3/4	1,097.57	3/4	804.71	3/4	510.34	3/4	213.53	3/4		3/4	3/4	3/4		3/4	
9	1,684.55	9	1,388.00	9	1,091.39	9	798.69	9	504.16	9	207.35	9		9	9	9		9	
1/4	1,678.38	1/4	1,381.82	1/4	1,085.22	1/4	792.67	1/4	497.98	1/4	201.16	1/4		1/4	1/4	1/4		1/4	
1/2	1,672.20	1/2	1,375.64	1/2	1,079.04	1/2	786.65	1/2	491.79	1/2	194.98	1/2		1/2	1/2	1/2		1/2	
3/4	1,666.03	3/4	1,369.46	3/4	1,072.86	3/4	780.63	3/4	485.61	3/4	188.80	3/4		3/4	3/4	3/4		3/4	
10	1,659.85	10	1,363.28	10	1,066.68	10	774.61	10	479.42	10	182.61	10		10	10	10		10	
1/4	1,653.68	1/4	1,357.10	1/4	1,060.50	1/4	768.59	1/4	473.24	1/4	176.43	1/4		1/4	1/4	1/4		1/4	
1/2	1,647.50	1/2	1,350.93	1/2	1,054.32	1/2	762.57	1/2	467.06	1/2	170.25	1/2		1/2	1/2	1/2		1/2	
3/4	1,641.32	3/4	1,344.75	3/4	1,048.14	3/4	756.55	3/4	460.87	3/4	164.06	3/4		3/4	3/4	3/4		3/4	
11	1,635.15	11	1,338.57	11	1,041.96	11	750.53	11	454.69	11	157.88	11		11	11	11		11	
1/4	1,628.97	1/4	1,332.39	1/4	1,035.78	1/4	744.51	1/4	448.51	1/4	151.69	1/4		1/4	1/4	1/4		1/4	
1/2	1,622.80	1/2	1,326.21	1/2	1,029.60	1/2	738.49	1/2	442.32	1/2	145.50	1/2		1/2	1/2	1/2		1/2	
3/4	1,616.62	3/4	1,320.03	3/4	1,023.42	3/4	732.47	3/4	436.14	3/4	139.31	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/11/2010 CL - SW
CALCULATED: 02/11/2010 CL
PRINTED: 02/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2010

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



BARGE "KIRBY 10081"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

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		0		0	3,493.27	0	3,257.58	0	2,995.88	0	2,734.19	0	2,472.08	0	2,208.99	0	1,945.90		
1/4		1/4		1/4		1/4	3,492.36	1/4	3,252.13	1/4	2,990.43	1/4	2,728.73	1/4	2,466.60	1/4	2,203.51	1/4	1,940.42		
1/2		1/2		1/2		1/2	3,491.44	1/2	3,246.67	1/2	2,984.98	1/2	2,723.28	1/2	2,461.12	1/2	2,198.03	1/2	1,934.94		
3/4		3/4		3/4		3/4	3,488.70	3/4	3,241.22	3/4	2,979.53	3/4	2,717.83	3/4	2,455.64	3/4	2,192.55	3/4	1,929.45		
1		1		1		1	3,485.96	1	3,235.77	1	2,974.07	1	2,712.38	1	2,450.16	1	2,187.07	1	1,923.97		
1/4		1/4		1/4		1/4	3,483.22	1/4	3,230.32	1/4	2,968.62	1/4	2,706.93	1/4	2,444.68	1/4	2,181.58	1/4	1,918.49		
1/2		1/2		1/2		1/2	3,480.47	1/2	3,224.87	1/2	2,963.17	1/2	2,701.47	1/2	2,439.20	1/2	2,176.10	1/2	1,913.01		
3/4		3/4		3/4		3/4	3,475.90	3/4	3,219.41	3/4	2,957.72	3/4	2,696.02	3/4	2,433.72	3/4	2,170.62	3/4	1,907.53		
2		2		2		2	3,471.34	2	3,213.96	2	2,952.27	2	2,690.57	2	2,428.23	2	2,165.14	2	1,902.05		
1/4		1/4		1/4		1/4	3,466.77	1/4	3,208.51	1/4	2,946.81	1/4	2,685.12	1/4	2,422.75	1/4	2,159.66	1/4	1,896.57		
1/2		1/2		1/2		1/2	3,462.20	1/2	3,203.06	1/2	2,941.36	1/2	2,679.67	1/2	2,417.27	1/2	2,154.18	1/2	1,891.09		
3/4		3/4		3/4		3/4	3,456.89	3/4	3,197.61	3/4	2,935.91	3/4	2,674.21	3/4	2,411.79	3/4	2,148.70	3/4	1,885.61		
3		3		3		3	3,451.57	3	3,192.15	3	2,930.46	3	2,668.76	3	2,406.31	3	2,143.22	3	1,880.12		
1/4		1/4		1/4		1/4	3,446.26	1/4	3,186.70	1/4	2,925.01	1/4	2,663.31	1/4	2,400.83	1/4	2,137.74	1/4	1,874.64		
1/2		1/2		1/2		1/2	3,440.95	1/2	3,181.25	1/2	2,919.55	1/2	2,657.86	1/2	2,395.35	1/2	2,132.25	1/2	1,869.16		
3/4		3/4		3/4		3/4	3,435.61	3/4	3,175.80	3/4	2,914.10	3/4	2,652.41	3/4	2,389.87	3/4	2,126.77	3/4	1,863.68		
4		4		4		4	3,430.26	4	3,170.35	4	2,908.65	4	2,646.95	4	2,384.39	4	2,121.29	4	1,858.20		
1/4		1/4		1/4		1/4	3,424.92	1/4	3,164.89	1/4	2,903.20	1/4	2,641.50	1/4	2,378.90	1/4	2,115.81	1/4	1,852.72		
1/2		1/2		1/2		1/2	3,419.57	1/2	3,159.44	1/2	2,897.75	1/2	2,636.05	1/2	2,373.42	1/2	2,110.33	1/2	1,847.24		
3/4		3/4		3/4		3/4	3,414.22	3/4	3,153.99	3/4	2,892.29	3/4	2,630.60	3/4	2,367.94	3/4	2,104.85	3/4	1,841.76		
5		5		5		5	3,408.86	5	3,148.54	5	2,886.84	5	2,625.15	5	2,362.46	5	2,099.37	5	1,836.28		
1/4		1/4		1/4		1/4	3,403.51	1/4	3,143.09	1/4	2,881.39	1/4	2,619.69	1/4	2,356.98	1/4	2,093.89	1/4	1,830.79		
1/2		1/2		1/2		1/2	3,398.15	1/2	3,137.63	1/2	2,875.94	1/2	2,614.24	1/2	2,351.50	1/2	2,088.41	1/2	1,825.31		
3/4		3/4		3/4		3/4	3,392.80	3/4	3,132.18	3/4	2,870.49	3/4	2,608.79	3/4	2,346.02	3/4	2,082.92	3/4	1,819.83		
6		6		6		6	3,387.44	6	3,126.73	6	2,865.03	6	2,603.34	6	2,340.54	6	2,077.44	6	1,814.35		
1/4		1/4		1/4		1/4	3,382.08	1/4	3,121.28	1/4	2,859.58	1/4	2,597.89	1/4	2,335.06	1/4	2,071.96	1/4	1,808.87		
1/2		1/2		1/2		1/2	3,376.73	1/2	3,115.83	1/2	2,854.13	1/2	2,592.43	1/2	2,329.57	1/2	2,066.48	1/2	1,803.39		
3/4		3/4		3/4		3/4	3,371.37	3/4	3,110.37	3/4	2,848.68	3/4	2,586.98	3/4	2,324.09	3/4	2,061.00	3/4	1,797.91		
7		7		7		7	3,366.02	7	3,104.92	7	2,843.23	7	2,581.53	7	2,318.61	7	2,055.52	7	1,792.43		
1/4		1/4		1/4		1/4	3,360.67	1/4	3,099.47	1/4	2,837.77	1/4	2,576.08	1/4	2,313.13	1/4	2,050.04	1/4	1,786.95		
1/2		1/2		1/2		1/2	3,355.32	1/2	3,094.02	1/2	2,832.32	1/2	2,570.63	1/2	2,307.65	1/2	2,044.56	1/2	1,781.46		
3/4		3/4		3/4		3/4	3,349.96	3/4	3,088.57	3/4	2,826.87	3/4	2,565.17	3/4	2,302.17	3/4	2,039.08	3/4	1,775.98		
8		8		8		8	3,344.61	8	3,083.11	8	2,821.42	8	2,559.72	8	2,296.69	8	2,033.59	8	1,770.50		
1/4		1/4		1/4		1/4	3,339.26	1/4	3,077.66	1/4	2,815.97	1/4	2,554.27	1/4	2,291.21	1/4	2,028.11	1/4	1,765.02		
1/2		1/2		1/2		1/2	3,333.91	1/2	3,072.21	1/2	2,810.51	1/2	2,548.82	1/2	2,285.73	1/2	2,022.63	1/2	1,759.54		
3/4		3/4		3/4		3/4	3,328.45	3/4	3,066.76	3/4	2,805.06	3/4	2,543.34	3/4	2,280.24	3/4	2,017.15	3/4	1,754.06		
9		9		9		9	3,323.00	9	3,061.31	9	2,799.61	9	2,537.86	9	2,274.76	9	2,011.67	9	1,748.58		
1/4		1/4		1/4		1/4	3,317.55	1/4	3,055.85	1/4	2,794.16	1/4	2,532.37	1/4	2,269.28	1/4	2,006.19	1/4	1,743.10		
1/2		1/2		1/2		1/2	3,312.10	1/2	3,050.40	1/2	2,788.71	1/2	2,526.89	1/2	2,263.80	1/2	2,000.71	1/2	1,737.62		
3/4		3/4		3/4		3/4	3,306.65	3/4	3,044.95	3/4	2,783.25	3/4	2,521.41	3/4	2,258.32	3/4	1,995.23	3/4	1,732.13		
10		10		10		10	3,301.19	10	3,039.50	10	2,777.80	10	2,515.93	10	2,252.84	10	1,989.75	10	1,726.65		
1/4		1/4		1/4		1/4	3,295.74	1/4	3,034.05	1/4	2,772.35	1/4	2,510.45	1/4	2,247.36	1/4	1,984.26	1/4	1,721.17		
1/2		1/2		1/2		1/2	3,290.29	1/2	3,028.59	1/2	2,766.90	1/2	2,504.97	1/2	2,241.88	1/2	1,978.78	1/2	1,715.69		
3/4		3/4		3/4		3/4	3,284.84	3/4	3,023.14	3/4	2,761.45	3/4	2,499.49	3/4	2,236.40	3/4	1,973.30	3/4	1,710.21		
11		11		11		11	3,279.39	11	3,017.69	11	2,755.99	11	2,494.01	11	2,230.91	11	1,967.82	11	1,704.73		
1/4		1/4		1/4		1/4	3,273.93	1/4	3,012.24	1/4	2,750.54	1/4	2,488.53	1/4	2,225.43	1/4	1,962.34	1/4	1,699.25		
1/2		1/2		1/2		1/2	3,495.10	1/2	3,268.48	1/2	3,006.79	1/2	2,745.09	1/2	2,483.05	1/2	2,219.95	1/2	1,956.86	1/2	1,693.77
3/4		3/4		3/4		3/4	3,494.19	3/4	3,263.03	3/4	3,001.33	3/4	2,739.64	3/4	2,477.56	3/4	2,214.47	3/4	1,951.38	3/4	1,688.29

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 10081"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

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	1,682.80	0	1,419.71	0	1,156.45	0	894.88	0	635.79	0	372.64	0	109.45	0		0		0	
1/4	1,677.32	1/4	1,414.23	1/4	1,150.97	1/4	889.49	1/4	630.35	1/4	367.15	1/4	103.98	1/4		1/4		1/4	
1/2	1,671.84	1/2	1,408.75	1/2	1,145.48	1/2	884.09	1/2	624.91	1/2	361.67	1/2	98.52	1/2		1/2		1/2	
3/4	1,666.36	3/4	1,403.26	3/4	1,140.00	3/4	878.69	3/4	619.43	3/4	356.18	3/4	93.07	3/4		3/4		3/4	
1	1,660.88	1	1,397.78	1	1,134.51	1	873.29	1	613.94	1	350.70	1	87.62	1		1		1	
1/4	1,655.40	1/4	1,392.30	1/4	1,129.03	1/4	867.89	1/4	608.46	1/4	345.22	1/4	82.17	1/4		1/4		1/4	
1/2	1,649.92	1/2	1,386.81	1/2	1,123.55	1/2	862.49	1/2	602.98	1/2	339.73	1/2	76.72	1/2		1/2		1/2	
3/4	1,644.44	3/4	1,381.33	3/4	1,118.06	3/4	857.09	3/4	597.49	3/4	334.25	3/4	71.30	3/4		3/4		3/4	
2	1,638.96	2	1,375.84	2	1,112.58	2	851.69	2	592.01	2	328.76	2	65.88	2		2		2	
1/4	1,633.47	1/4	1,370.36	1/4	1,107.09	1/4	846.29	1/4	586.53	1/4	323.28	1/4	60.45	1/4		1/4		1/4	
1/2	1,627.99	1/2	1,364.87	1/2	1,101.61	1/2	840.89	1/2	581.04	1/2	317.79	1/2	55.03	1/2		1/2		1/2	
3/4	1,622.51	3/4	1,359.39	3/4	1,096.12	3/4	835.49	3/4	575.56	3/4	312.31	3/4	49.66	3/4		3/4		3/4	
3	1,617.03	3	1,353.90	3	1,090.64	3	830.09	3	570.07	3	306.83	3	44.29	3		3		3	
1/4	1,611.55	1/4	1,348.42	1/4	1,085.15	1/4	824.69	1/4	564.59	1/4	301.34	1/4	38.92	1/4		1/4		1/4	
1/2	1,606.07	1/2	1,342.93	1/2	1,079.67	1/2	819.29	1/2	559.10	1/2	295.86	1/2	33.55	1/2		1/2		1/2	
3/4	1,600.59	3/4	1,337.45	3/4	1,074.18	3/4	813.89	3/4	553.62	3/4	290.37	3/4	28.99	3/4		3/4		3/4	
4	1,595.11	4	1,331.96	4	1,068.70	4	808.50	4	548.14	4	284.89	4	24.43	4		4		4	
1/4	1,589.63	1/4	1,326.48	1/4	1,063.21	1/4	803.11	1/4	542.65	1/4	279.40	1/4	19.86	1/4		1/4		1/4	
1/2	1,584.14	1/2	1,320.99	1/2	1,057.73	1/2	797.71	1/2	537.17	1/2	273.92	1/2	15.30	1/2		1/2		1/2	
3/4	1,578.66	3/4	1,315.51	3/4	1,052.24	3/4	792.32	3/4	531.68	3/4	268.44	3/4	12.56	3/4		3/4		3/4	
5	1,573.18	5	1,310.02	5	1,046.76	5	786.92	5	526.20	5	262.95	5	9.82	5		5		5	
1/4	1,567.70	1/4	1,304.54	1/4	1,041.27	1/4	781.53	1/4	520.71	1/4	257.47	1/4	7.08	1/4		1/4		1/4	
1/2	1,562.22	1/2	1,299.06	1/2	1,035.79	1/2	776.13	1/2	515.23	1/2	251.98	1/2	4.33	1/2		1/2		1/2	
3/4	1,556.74	3/4	1,293.57	3/4	1,030.31	3/4	770.74	3/4	509.75	3/4	246.50	3/4	3.42	3/4		3/4		3/4	
6	1,551.26	6	1,288.09	6	1,024.82	6	765.35	6	504.26	6	241.01	6	2.51	6		6		6	
1/4	1,545.78	1/4	1,282.60	1/4	1,019.34	1/4	759.95	1/4	498.78	1/4	235.53	1/4	1.59	1/4		1/4		1/4	
1/2	1,540.30	1/2	1,277.12	1/2	1,013.85	1/2	754.56	1/2	493.29	1/2	230.05	1/2	0.68	1/2		1/2		1/2	
3/4	1,534.81	3/4	1,271.63	3/4	1,008.41	3/4	749.16	3/4	487.81	3/4	224.56	3/4		3/4		3/4		3/4	
7	1,529.33	7	1,266.15	7	1,002.97	7	743.77	7	482.32	7	219.08	7		7		7		7	
1/4	1,523.85	1/4	1,260.66	1/4	997.52	1/4	738.37	1/4	476.84	1/4	213.59	1/4		1/4		1/4		1/4	
1/2	1,518.37	1/2	1,255.18	1/2	992.08	1/2	732.98	1/2	471.36	1/2	208.11	1/2		1/2		1/2		1/2	
3/4	1,512.89	3/4	1,249.69	3/4	986.68	3/4	727.58	3/4	465.87	3/4	202.62	3/4		3/4		3/4		3/4	
8	1,507.41	8	1,244.21	8	981.28	8	722.19	8	460.39	8	197.14	8		8		8		8	
1/4	1,501.93	1/4	1,238.72	1/4	975.88	1/4	716.80	1/4	454.90	1/4	191.66	1/4		1/4		1/4		1/4	
1/2	1,496.45	1/2	1,233.24	1/2	970.48	1/2	711.40	1/2	449.42	1/2	186.17	1/2		1/2		1/2		1/2	
3/4	1,490.97	3/4	1,227.75	3/4	965.08	3/4	706.01	3/4	443.93	3/4	180.69	3/4		3/4		3/4		3/4	
9	1,485.48	9	1,222.27	9	959.68	9	700.61	9	438.45	9	175.20	9		9		9		9	
1/4	1,480.00	1/4	1,216.78	1/4	954.28	1/4	695.22	1/4	432.96	1/4	169.72	1/4		1/4		1/4		1/4	
1/2	1,474.52	1/2	1,211.30	1/2	948.88	1/2	689.82	1/2	427.48	1/2	164.23	1/2		1/2		1/2		1/2	
3/4	1,469.04	3/4	1,205.82	3/4	943.48	3/4	684.43	3/4	422.00	3/4	158.75	3/4		3/4		3/4		3/4	
10	1,463.56	10	1,200.33	10	938.08	10	679.03	10	416.51	10	153.27	10		10		10		10	
1/4	1,458.08	1/4	1,194.85	1/4	932.68	1/4	673.64	1/4	411.03	1/4	147.78	1/4		1/4		1/4		1/4	
1/2	1,452.60	1/2	1,189.36	1/2	927.28	1/2	668.25	1/2	405.54	1/2	142.30	1/2		1/2		1/2		1/2	
3/4	1,447.12	3/4	1,183.88	3/4	921.88	3/4	662.85	3/4	400.06	3/4	136.82	3/4		3/4		3/4		3/4	
11	1,441.64	11	1,178.39	11	916.48	11	657.46	11	394.57	11	131.34	11		11		11		11	
1/4	1,436.15	1/4	1,172.91	1/4	911.08	1/4	652.07	1/4	389.09	1/4	125.86	1/4		1/4		1/4		1/4	
1/2	1,430.67	1/2	1,167.42	1/2	905.68	1/2	646.67	1/2	383.61	1/2	120.39	1/2		1/2		1/2		1/2	
3/4	1,425.19	3/4	1,161.94	3/4	900.28	3/4	641.23	3/4	378.12	3/4	114.92	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/11/2010 CL - SW
CALCULATED: 02/11/2010 CL
PRINTED: 02/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2010

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



BARGE "KIRBY 10081"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	0	0	0	0	0	3,478.03	0	3,252.80	0	2,992.71	0	2,732.62	0	2,472.19	0	2,210.70	0	1,949.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,477.12	1/4	3,247.38	1/4	2,987.29	1/4	2,727.21	1/4	2,466.74	1/4	2,205.25	1/4	1,943.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,476.21	1/2	3,241.96	1/2	2,981.88	1/2	2,721.79	1/2	2,461.29	1/2	2,199.80	1/2	1,938.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,475.30	3/4	3,236.55	3/4	2,976.46	3/4	2,716.37	3/4	2,455.84	3/4	2,194.35	3/4	1,932.86
1	1	1	1	1	1	1	3,474.40	1	3,231.13	1	2,971.04	1	2,710.95	1	2,450.40	1	2,188.91	1	1,927.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,471.67	1/4	3,225.71	1/4	2,965.62	1/4	2,705.53	1/4	2,444.95	1/4	2,183.46	1/4	1,921.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,468.94	1/2	3,220.29	1/2	2,960.20	1/2	2,700.11	1/2	2,439.50	1/2	2,178.51	1/2	1,916.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,466.22	3/4	3,214.87	3/4	2,954.78	3/4	2,694.70	3/4	2,434.05	3/4	2,172.56	3/4	1,911.07
2	2	2	2	2	2	2	3,463.49	2	3,209.45	2	2,949.36	2	2,689.28	2	2,428.60	2	2,167.12	2	1,905.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,458.95	1/4	3,204.03	1/4	2,943.95	1/4	2,683.86	1/4	2,423.16	1/4	2,161.67	1/4	1,900.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,454.41	1/2	3,198.62	1/2	2,938.53	1/2	2,678.44	1/2	2,417.71	1/2	2,156.22	1/2	1,894.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,449.87	3/4	3,193.20	3/4	2,933.11	3/4	2,673.02	3/4	2,412.26	3/4	2,150.77	3/4	1,889.28
3	3	3	3	3	3	3	3,445.33	3	3,187.78	3	2,927.69	3	2,667.60	3	2,406.81	3	2,145.32	3	1,883.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,440.05	1/4	3,182.36	1/4	2,922.27	1/4	2,662.18	1/4	2,401.37	1/4	2,139.88	1/4	1,878.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,434.77	1/2	3,176.94	1/2	2,916.85	1/2	2,656.77	1/2	2,395.92	1/2	2,134.43	1/2	1,872.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,429.49	3/4	3,171.52	3/4	2,911.44	3/4	2,651.35	3/4	2,390.47	3/4	2,128.98	3/4	1,867.49
4	4	4	4	4	4	4	3,424.21	4	3,166.10	4	2,906.02	4	2,645.93	4	2,385.02	4	2,123.53	4	1,862.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,418.90	1/4	3,160.69	1/4	2,900.60	1/4	2,640.51	1/4	2,379.58	1/4	2,118.09	1/4	1,856.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,413.59	1/2	3,155.27	1/2	2,895.18	1/2	2,635.09	1/2	2,374.13	1/2	2,112.64	1/2	1,851.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,408.28	3/4	3,149.85	3/4	2,889.76	3/4	2,629.67	3/4	2,368.68	3/4	2,107.19	3/4	1,845.70
5	5	5	5	5	5	5	3,402.97	5	3,144.43	5	2,884.34	5	2,624.25	5	2,363.23	5	2,101.74	5	1,840.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,397.65	1/4	3,139.01	1/4	2,878.92	1/4	2,618.84	1/4	2,357.78	1/4	2,096.30	1/4	1,834.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,392.32	1/2	3,133.59	1/2	2,873.51	1/2	2,613.42	1/2	2,352.34	1/2	2,090.85	1/2	1,829.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,387.00	3/4	3,128.18	3/4	2,868.09	3/4	2,608.00	3/4	2,346.89	3/4	2,085.40	3/4	1,823.91
6	6	6	6	6	6	6	3,381.67	6	3,122.76	6	2,862.67	6	2,602.58	6	2,341.44	6	2,079.95	6	1,818.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,376.35	1/4	3,117.34	1/4	2,857.25	1/4	2,597.16	1/4	2,335.99	1/4	2,074.50	1/4	1,813.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,371.03	1/2	3,111.92	1/2	2,851.83	1/2	2,591.74	1/2	2,330.55	1/2	2,069.06	1/2	1,807.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,365.70	3/4	3,106.50	3/4	2,846.41	3/4	2,586.33	3/4	2,325.10	3/4	2,063.61	3/4	1,802.12
7	7	7	7	7	7	7	3,360.38	7	3,101.08	7	2,840.99	7	2,580.91	7	2,319.65	7	2,058.16	7	1,796.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,355.06	1/4	3,095.66	1/4	2,835.58	1/4	2,575.49	1/4	2,314.20	1/4	2,052.71	1/4	1,791.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,349.74	1/2	3,090.25	1/2	2,830.16	1/2	2,570.07	1/2	2,308.76	1/2	2,047.27	1/2	1,785.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,344.42	3/4	3,084.83	3/4	2,824.74	3/4	2,564.65	3/4	2,303.31	3/4	2,041.82	3/4	1,780.33
8	8	8	8	8	8	8	3,339.10	8	3,079.41	8	2,819.32	8	2,559.23	8	2,297.86	8	2,036.37	8	1,774.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,333.78	1/4	3,073.99	1/4	2,813.90	1/4	2,553.81	1/4	2,292.41	1/4	2,030.92	1/4	1,769.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,328.46	1/2	3,068.57	1/2	2,808.48	1/2	2,548.40	1/2	2,286.96	1/2	2,025.48	1/2	1,763.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,323.14	3/4	3,063.15	3/4	2,803.07	3/4	2,542.98	3/4	2,281.52	3/4	2,020.03	3/4	1,758.54
9	9	9	9	9	9	9	3,317.82	9	3,057.73	9	2,797.65	9	2,537.56	9	2,276.07	9	2,014.58	9	1,753.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,312.40	1/4	3,052.32	1/4	2,792.23	1/4	2,532.11	1/4	2,270.62	1/4	2,009.13	1/4	1,747.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,306.99	1/2	3,046.90	1/2	2,786.81	1/2	2,526.66	1/2	2,265.17	1/2	2,003.68	1/2	1,742.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,301.57	3/4	3,041.48	3/4	2,781.39	3/4	2,521.22	3/4	2,259.73	3/4	1,998.24	3/4	1,736.75
10	10	10	10	10	10	10	3,296.15	10	3,036.06	10	2,775.97	10	2,515.77	10	2,254.28	10	1,992.79	10	1,731.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,290.73	1/4	3,030.64	1/4	2,770.55	1/4	2,510.32	1/4	2,248.83	1/4	1,987.34	1/4	1,725.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,285.31	1/2	3,025.22	1/2	2,765.14	1/2	2,504.87	1/2	2,243.38	1/2	1,981.89	1/2	1,720.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,279.89	3/4	3,019.81	3/4	2,759.72	3/4	2,499.42	3/4	2,237.94	3/4	1,976.45	3/4	1,714.96
11	11	11	11	11	11	11	3,274.47	11	3,014.39	11	2,754.30	11	2,493.98	11	2,232.49	11	1,971.00	11	1,709.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,269.06	1/4	3,008.97	1/4	2,748.88	1/4	2,488.53	1/4	2,227.04	1/4	1,965.55	1/4	1,704.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,263.64	1/2	3,003.55	1/2	2,743.46	1/2	2,483.08	1/2	2,221.59	1/2	1,960.10	1/2	1,698.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,258.22	3/4	2,998.13	3/4	2,738.04	3/4	2,477.63	3/4	2,216.14	3/4	1,954.65	3/4	1,693.17

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-00" FORWARD OF AFT BULKHEAD.

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





BARGE "KIRBY 10081"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	1,687.72	0	1,426.23	0	1,164.58	0	903.65	0	642.90	0	381.27	0	119.66	0		0		0	
1/4	1,682.27	1/4	1,420.78	1/4	1,159.13	1/4	898.24	1/4	637.45	1/4	375.82	1/4	114.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,676.82	1/2	1,415.33	1/2	1,153.68	1/2	892.83	1/2	632.00	1/2	370.37	1/2	108.79	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,671.37	3/4	1,409.88	3/4	1,148.23	3/4	887.41	3/4	626.55	3/4	364.92	3/4	103.35	3/4	3/4	3/4	3/4	3/4	3/4
1	1,665.93	1	1,404.44	1	1,142.78	1	882.00	1	621.10	1	359.47	1	97.92	1		1		1	
1/4	1,660.48	1/4	1,398.99	1/4	1,137.33	1/4	876.58	1/4	615.65	1/4	354.01	1/4	92.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,655.03	1/2	1,393.53	1/2	1,131.88	1/2	871.17	1/2	610.20	1/2	348.56	1/2	87.09	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,649.58	3/4	1,388.08	3/4	1,126.43	3/4	865.75	3/4	604.75	3/4	343.11	3/4	81.67	3/4	3/4	3/4	3/4	3/4	3/4
2	1,644.14	2	1,382.63	2	1,120.97	2	860.34	2	599.30	2	337.66	2	76.25	2		2		2	
1/4	1,638.69	1/4	1,377.18	1/4	1,115.52	1/4	854.92	1/4	593.85	1/4	332.21	1/4	70.87	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,633.24	1/2	1,371.73	1/2	1,110.07	1/2	849.51	1/2	588.40	1/2	326.76	1/2	65.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,627.79	3/4	1,366.28	3/4	1,104.62	3/4	844.09	3/4	582.95	3/4	321.31	3/4	60.09	3/4	3/4	3/4	3/4	3/4	3/4
3	1,622.35	3	1,360.83	3	1,099.17	3	838.68	3	577.50	3	315.86	3	54.70	3		3		3	
1/4	1,616.90	1/4	1,355.38	1/4	1,093.72	1/4	833.26	1/4	572.05	1/4	310.41	1/4	49.36	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,611.45	1/2	1,349.93	1/2	1,088.27	1/2	827.85	1/2	566.60	1/2	304.96	1/2	44.03	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,606.00	3/4	1,344.47	3/4	1,082.82	3/4	822.43	3/4	561.15	3/4	299.51	3/4	38.69	3/4	3/4	3/4	3/4	3/4	3/4
4	1,600.55	4	1,339.02	4	1,077.37	4	817.02	4	555.69	4	294.06	4	33.35	4		4		4	
1/4	1,595.11	1/4	1,333.57	1/4	1,071.91	1/4	811.61	1/4	550.24	1/4	288.61	1/4	28.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,589.66	1/2	1,328.12	1/2	1,066.46	1/2	806.20	1/2	544.79	1/2	283.15	1/2	24.28	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,584.21	3/4	1,322.67	3/4	1,061.01	3/4	800.79	3/4	539.34	3/4	277.70	3/4	19.75	3/4	3/4	3/4	3/4	3/4	3/4
5	1,578.76	5	1,317.22	5	1,055.56	5	795.38	5	533.89	5	272.25	5	15.21	5		5		5	
1/4	1,573.32	1/4	1,311.77	1/4	1,050.11	1/4	789.94	1/4	528.44	1/4	266.80	1/4	12.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,567.87	1/2	1,306.32	1/2	1,044.66	1/2	784.49	1/2	522.99	1/2	261.35	1/2	9.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,562.42	3/4	1,300.86	3/4	1,039.21	3/4	779.04	3/4	517.54	3/4	255.90	3/4	7.04	3/4	3/4	3/4	3/4	3/4	3/4
6	1,556.97	6	1,295.41	6	1,033.76	6	773.60	6	512.09	6	250.45	6	4.31	6		6		6	
1/4	1,551.53	1/4	1,289.96	1/4	1,028.30	1/4	768.15	1/4	506.64	1/4	245.00	1/4	3.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,546.08	1/2	1,284.51	1/2	1,022.85	1/2	762.71	1/2	501.19	1/2	239.55	1/2	2.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,540.63	3/4	1,279.06	3/4	1,017.40	3/4	757.26	3/4	495.74	3/4	234.10	3/4	1.59	3/4	3/4	3/4	3/4	3/4	3/4
7	1,535.18	7	1,273.61	7	1,011.95	7	751.81	7	490.28	7	228.65	7	0.68	7		7		7	
1/4	1,529.73	1/4	1,268.16	1/4	1,006.54	1/4	746.37	1/4	484.83	1/4	223.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,524.29	1/2	1,262.71	1/2	1,001.12	1/2	740.92	1/2	479.38	1/2	217.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,518.84	3/4	1,257.25	3/4	995.71	3/4	735.48	3/4	473.93	3/4	212.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,513.39	8	1,251.80	8	990.29	8	730.03	8	468.48	8	206.84	8		8		8		8	
1/4	1,507.94	1/4	1,246.35	1/4	984.88	1/4	724.58	1/4	463.03	1/4	201.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,502.50	1/2	1,240.90	1/2	979.46	1/2	719.14	1/2	457.58	1/2	195.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,497.05	3/4	1,235.45	3/4	974.05	3/4	713.69	3/4	452.13	3/4	190.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,491.60	9	1,230.00	9	968.63	9	708.25	9	446.68	9	185.04	9		9		9		9	
1/4	1,486.15	1/4	1,224.55	1/4	963.22	1/4	702.80	1/4	441.23	1/4	179.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,480.71	1/2	1,219.10	1/2	957.80	1/2	697.36	1/2	435.78	1/2	174.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,475.26	3/4	1,213.65	3/4	952.39	3/4	691.91	3/4	430.33	3/4	168.69	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,469.81	10	1,208.19	10	946.97	10	686.46	10	424.88	10	163.24	10		10		10		10	
1/4	1,464.36	1/4	1,202.74	1/4	941.56	1/4	681.02	1/4	419.42	1/4	157.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,458.91	1/2	1,197.29	1/2	936.14	1/2	675.57	1/2	413.97	1/2	152.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,453.47	3/4	1,191.84	3/4	930.73	3/4	670.13	3/4	408.52	3/4	146.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,448.02	11	1,186.39	11	925.31	11	664.68	11	403.07	11	141.44	11		11		11		11	
1/4	1,442.57	1/4	1,180.94	1/4	919.90	1/4	659.24	1/4	397.62	1/4	135.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,437.12	1/2	1,175.49	1/2	914.48	1/2	653.79	1/2	392.17	1/2	130.55	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,431.68	3/4	1,170.04	3/4	909.07	3/4	648.35	3/4	386.72	3/4	125.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/11/2010 CL - SW
CALCULATED: 02/11/2010 CL
PRINTED: 02/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2010

PRECISION MEASUREMENT
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