



BARGE "KIRBY 10084"

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	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2

(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 - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 164'-00"

February 18, 2010

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

<http://www.pmacorp.net>



BARGE "KIRBY 10084"

1 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	3,786.65	0	3,562.59	0	3,310.32	0	3,058.05	0	2,801.83	0	2,506.27	0	2,209.98
1/4		1/4		1/4		1/4	3,785.61	1/4	3,557.33	1/4	3,305.06	1/4	3,052.79	1/4	2,795.67	1/4	2,500.10	1/4	2,203.81
1/2		1/2		1/2		1/2	3,784.58	1/2	3,552.08	1/2	3,299.81	1/2	3,047.54	1/2	2,789.52	1/2	2,493.93	1/2	2,197.63
3/4		3/4		3/4		3/4	3,783.55	3/4	3,546.82	3/4	3,294.55	3/4	3,042.28	3/4	2,783.36	3/4	2,487.76	3/4	2,191.46
1		1		1		1	3,782.51	1	3,541.57	1	3,289.30	1	3,037.03	1	2,777.21	1	2,481.58	1	2,185.29
1/4		1/4		1/4		1/4	3,779.41	1/4	3,536.31	1/4	3,284.04	1/4	3,031.77	1/4	2,771.05	1/4	2,475.41	1/4	2,179.12
1/2		1/2		1/2		1/2	3,776.32	1/2	3,531.05	1/2	3,278.79	1/2	3,026.52	1/2	2,764.90	1/2	2,469.24	1/2	2,172.94
3/4		3/4		3/4		3/4	3,773.22	3/4	3,525.80	3/4	3,273.53	3/4	3,021.26	3/4	2,758.75	3/4	2,463.07	3/4	2,166.77
2		2		2		2	3,770.12	2	3,520.54	2	3,268.27	2	3,016.01	2	2,752.59	2	2,456.89	2	2,160.60
1/4		1/4		1/4		1/4	3,764.95	1/4	3,515.29	1/4	3,263.02	1/4	3,010.75	1/4	2,746.44	1/4	2,450.72	1/4	2,154.43
1/2		1/2		1/2		1/2	3,759.79	1/2	3,510.03	1/2	3,257.76	1/2	3,005.49	1/2	2,740.28	1/2	2,444.55	1/2	2,148.25
3/4		3/4		3/4		3/4	3,754.63	3/4	3,504.78	3/4	3,252.51	3/4	3,000.24	3/4	2,734.13	3/4	2,438.37	3/4	2,142.08
3		3		3		3	3,749.47	3	3,499.52	3	3,247.25	3	2,994.98	3	2,727.97	3	2,432.20	3	2,135.91
1/4		1/4		1/4		1/4	3,744.35	1/4	3,494.27	1/4	3,242.00	1/4	2,989.73	1/4	2,721.82	1/4	2,426.03	1/4	2,129.73
1/2		1/2		1/2		1/2	3,739.22	1/2	3,489.01	1/2	3,236.74	1/2	2,984.47	1/2	2,715.67	1/2	2,419.86	1/2	2,123.56
3/4		3/4		3/4		3/4	3,734.10	3/4	3,483.75	3/4	3,231.49	3/4	2,979.22	3/4	2,709.51	3/4	2,413.68	3/4	2,117.39
4		4		4		4	3,728.98	4	3,478.50	4	3,226.23	4	2,973.96	4	2,703.36	4	2,407.51	4	2,111.22
1/4		1/4		1/4		1/4	3,723.83	1/4	3,473.24	1/4	3,220.97	1/4	2,968.71	1/4	2,697.20	1/4	2,401.34	1/4	2,105.04
1/2		1/2		1/2		1/2	3,718.67	1/2	3,467.99	1/2	3,215.72	1/2	2,963.45	1/2	2,691.05	1/2	2,395.16	1/2	2,098.87
3/4		3/4		3/4		3/4	3,713.51	3/4	3,462.73	3/4	3,210.46	3/4	2,958.19	3/4	2,684.90	3/4	2,388.99	3/4	2,092.70
5		5		5		5	3,708.36	5	3,457.48	5	3,205.21	5	2,952.94	5	2,678.74	5	2,382.82	5	2,086.52
1/4		1/4		1/4		1/4	3,703.18	1/4	3,452.22	1/4	3,199.95	1/4	2,947.68	1/4	2,672.59	1/4	2,376.65	1/4	2,080.35
1/2		1/2		1/2		1/2	3,698.01	1/2	3,446.96	1/2	3,194.70	1/2	2,942.43	1/2	2,666.43	1/2	2,370.47	1/2	2,074.18
3/4		3/4		3/4		3/4	3,692.84	3/4	3,441.71	3/4	3,189.44	3/4	2,937.17	3/4	2,660.28	3/4	2,364.30	3/4	2,068.01
6		6		6		6	3,687.67	6	3,436.45	6	3,184.18	6	2,931.92	6	2,654.12	6	2,358.13	6	2,061.83
1/4		1/4		1/4		1/4	3,682.50	1/4	3,431.20	1/4	3,178.93	1/4	2,926.66	1/4	2,647.97	1/4	2,351.95	1/4	2,055.66
1/2		1/2		1/2		1/2	3,677.33	1/2	3,425.94	1/2	3,173.67	1/2	2,921.40	1/2	2,641.82	1/2	2,345.78	1/2	2,049.49
3/4		3/4		3/4		3/4	3,672.16	3/4	3,420.69	3/4	3,168.42	3/4	2,916.15	3/4	2,635.66	3/4	2,339.61	3/4	2,043.31
7		7		7		7	3,666.99	7	3,415.43	7	3,163.16	7	2,910.89	7	2,629.51	7	2,333.44	7	2,037.14
1/4		1/4		1/4		1/4	3,661.82	1/4	3,410.18	1/4	3,157.91	1/4	2,905.64	1/4	2,623.35	1/4	2,327.26	1/4	2,030.97
1/2		1/2		1/2		1/2	3,656.65	1/2	3,404.92	1/2	3,152.65	1/2	2,900.38	1/2	2,617.20	1/2	2,321.09	1/2	2,024.80
3/4		3/4		3/4		3/4	3,651.49	3/4	3,399.66	3/4	3,147.40	3/4	2,895.13	3/4	2,611.05	3/4	2,314.92	3/4	2,018.62
8		8		8		8	3,646.32	8	3,394.41	8	3,142.14	8	2,889.87	8	2,604.89	8	2,308.75	8	2,012.45
1/4		1/4		1/4		1/4	3,641.15	1/4	3,389.15	1/4	3,136.88	1/4	2,884.62	1/4	2,598.74	1/4	2,302.57	1/4	2,006.28
1/2		1/2		1/2		1/2	3,635.99	1/2	3,383.90	1/2	3,131.63	1/2	2,879.36	1/2	2,592.58	1/2	2,296.40	1/2	2,000.11
3/4		3/4		3/4		3/4	3,630.82	3/4	3,378.64	3/4	3,126.37	3/4	2,874.10	3/4	2,586.43	3/4	2,290.23	3/4	1,993.93
9		9		9		9	3,625.66	9	3,373.39	9	3,121.12	9	2,868.85	9	2,580.27	9	2,284.05	9	1,987.76
1/4		1/4		1/4		1/4	3,620.40	1/4	3,368.13	1/4	3,115.86	1/4	2,863.57	1/4	2,574.12	1/4	2,277.88	1/4	1,981.59
1/2		1/2		1/2		1/2	3,615.14	1/2	3,362.88	1/2	3,110.61	1/2	2,858.29	1/2	2,567.97	1/2	2,271.71	1/2	1,975.41
3/4		3/4		3/4		3/4	3,609.89	3/4	3,357.62	3/4	3,105.35	3/4	2,853.01	3/4	2,561.81	3/4	2,265.54	3/4	1,969.24
10		10		10		10	3,604.63	10	3,352.36	10	3,100.10	10	2,847.73	10	2,555.66	10	2,259.36	10	1,963.07
1/4		1/4		1/4		1/4	3,599.38	1/4	3,347.11	1/4	3,094.84	1/4	2,842.45	1/4	2,549.48	1/4	2,253.19	1/4	1,956.90
1/2		1/2		1/2		1/2	3,594.12	1/2	3,341.85	1/2	3,089.58	1/2	2,837.17	1/2	2,543.31	1/2	2,247.02	1/2	1,950.72
3/4		3/4		3/4		3/4	3,588.87	3/4	3,336.60	3/4	3,084.33	3/4	2,831.89	3/4	2,537.14	3/4	2,240.84	3/4	1,944.55
11		11		11		11	3,583.61	11	3,331.34	11	3,079.07	11	2,826.61	11	2,530.97	11	2,234.67	11	1,938.38
1/4		1/4		1/4		1/4	3,578.35	1/4	3,326.09	1/4	3,073.82	1/4	2,820.41	1/4	2,524.79	1/4	2,228.50	1/4	1,932.20
1/2		1/2		1/2		1/2	3,573.10	1/2	3,320.83	1/2	3,068.56	1/2	2,814.22	1/2	2,518.62	1/2	2,222.33	1/2	1,926.03
3/4		3/4		3/4		3/4	3,567.84	3/4	3,315.57	3/4	3,063.31	3/4	2,808.02	3/4	2,512.45	3/4	2,216.15	3/4	1,919.86

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 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 10084"

1 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	1,913.69	0	1,617.18	0	1,320.48	0	1,023.78	0	732.72	0	436.29	0	139.36	0		0			
1/4	1,907.51	1/4	1,611.00	1/4	1,314.30	1/4	1,017.60	1/4	726.64	1/4	430.10	1/4	133.18	1/4		1/4			
1/2	1,901.34	1/2	1,604.82	1/2	1,308.12	1/2	1,011.41	1/2	720.55	1/2	423.92	1/2	127.00	1/2		1/2			
3/4	1,895.17	3/4	1,598.64	3/4	1,301.94	3/4	1,005.23	3/4	714.47	3/4	417.73	3/4	120.82	3/4		3/4			
1	1,888.99	1	1,592.47	1	1,295.76	1	999.05	1	708.38	1	411.55	1	114.64	1		1			
1/4	1,882.82	1/4	1,586.29	1/4	1,289.58	1/4	992.87	1/4	702.21	1/4	405.36	1/4	108.48	1/4		1/4			
1/2	1,876.65	1/2	1,580.10	1/2	1,283.40	1/2	986.69	1/2	696.05	1/2	399.18	1/2	102.33	1/2		1/2			
3/4	1,870.48	3/4	1,573.92	3/4	1,277.22	3/4	980.51	3/4	689.88	3/4	392.99	3/4	96.17	3/4		3/4			
2	1,864.30	2	1,567.74	2	1,271.03	2	974.33	2	683.71	2	386.80	2	90.01	2		2			
1/4	1,858.13	1/4	1,561.56	1/4	1,264.85	1/4	968.21	1/4	677.53	1/4	380.62	1/4	83.88	1/4		1/4			
1/2	1,851.96	1/2	1,555.38	1/2	1,258.67	1/2	962.09	1/2	671.34	1/2	374.43	1/2	77.76	1/2		1/2			
3/4	1,845.79	3/4	1,549.20	3/4	1,252.49	3/4	955.97	3/4	665.16	3/4	368.25	3/4	71.63	3/4		3/4			
3	1,839.61	3	1,543.02	3	1,246.31	3	949.85	3	658.97	3	362.06	3	65.51	3		3			
1/4	1,833.44	1/4	1,536.83	1/4	1,240.13	1/4	943.80	1/4	652.79	1/4	355.88	1/4	59.44	1/4		1/4			
1/2	1,827.27	1/2	1,530.65	1/2	1,233.95	1/2	937.74	1/2	646.60	1/2	349.69	1/2	53.37	1/2		1/2			
3/4	1,821.09	3/4	1,524.47	3/4	1,227.76	3/4	931.69	3/4	640.42	3/4	343.50	3/4	47.30	3/4		3/4			
4	1,814.92	4	1,518.29	4	1,221.58	4	925.63	4	634.23	4	337.32	4	41.23	4		4			
1/4	1,808.74	1/4	1,512.11	1/4	1,215.40	1/4	919.58	1/4	628.05	1/4	331.13	1/4	36.08	1/4		1/4			
1/2	1,802.56	1/2	1,505.93	1/2	1,209.22	1/2	913.52	1/2	621.86	1/2	324.95	1/2	30.92	1/2		1/2			
3/4	1,796.38	3/4	1,499.75	3/4	1,203.04	3/4	907.47	3/4	615.67	3/4	318.76	3/4	25.76	3/4		3/4			
5	1,790.20	5	1,493.56	5	1,196.86	5	901.41	5	609.49	5	312.58	5	20.61	5		5			
1/4	1,784.02	1/4	1,487.38	1/4	1,190.68	1/4	895.37	1/4	603.30	1/4	306.39	1/4	17.51	1/4		1/4			
1/2	1,777.83	1/2	1,481.20	1/2	1,184.49	1/2	889.34	1/2	597.12	1/2	300.20	1/2	14.41	1/2		1/2			
3/4	1,771.65	3/4	1,475.02	3/4	1,178.31	3/4	883.30	3/4	590.93	3/4	294.02	3/4	11.31	3/4		3/4			
6	1,765.47	6	1,468.84	6	1,172.13	6	877.26	6	584.75	6	287.83	6	8.22	6		6			
1/4	1,759.29	1/4	1,462.66	1/4	1,165.95	1/4	871.24	1/4	578.56	1/4	281.65	1/4	7.18	1/4		1/4			
1/2	1,753.11	1/2	1,456.48	1/2	1,159.77	1/2	865.21	1/2	572.37	1/2	275.46	1/2	6.15	1/2		1/2			
3/4	1,746.93	3/4	1,450.29	3/4	1,153.59	3/4	859.19	3/4	566.19	3/4	269.28	3/4	5.12	3/4		3/4			
7	1,740.75	7	1,444.11	7	1,147.41	7	853.17	7	560.00	7	263.09	7	4.09	7		7			
1/4	1,734.57	1/4	1,437.93	1/4	1,141.22	1/4	847.15	1/4	553.82	1/4	256.90	1/4		1/4		1/4			
1/2	1,728.39	1/2	1,431.75	1/2	1,135.04	1/2	841.12	1/2	547.63	1/2	250.72	1/2		1/2		1/2			
3/4	1,722.21	3/4	1,425.57	3/4	1,128.86	3/4	835.10	3/4	541.45	3/4	244.53	3/4		3/4		3/4			
8	1,716.03	8	1,419.39	8	1,122.68	8	829.08	8	535.26	8	238.35	8		8		8			
1/4	1,709.85	1/4	1,413.21	1/4	1,116.50	1/4	823.06	1/4	529.07	1/4	232.16	1/4		1/4		1/4			
1/2	1,703.67	1/2	1,407.02	1/2	1,110.32	1/2	817.04	1/2	522.89	1/2	225.98	1/2		1/2		1/2			
3/4	1,697.49	3/4	1,400.84	3/4	1,104.14	3/4	811.01	3/4	516.70	3/4	219.79	3/4		3/4		3/4			
9	1,691.32	9	1,394.66	9	1,097.95	9	804.99	9	510.52	9	213.60	9		9		9			
1/4	1,685.14	1/4	1,388.48	1/4	1,091.77	1/4	798.97	1/4	504.33	1/4	207.42	1/4		1/4		1/4			
1/2	1,678.96	1/2	1,382.30	1/2	1,085.59	1/2	792.95	1/2	498.15	1/2	201.23	1/2		1/2		1/2			
3/4	1,672.78	3/4	1,376.12	3/4	1,079.41	3/4	786.92	3/4	491.96	3/4	195.05	3/4		3/4		3/4			
10	1,666.60	10	1,369.94	10	1,073.23	10	780.90	10	485.77	10	188.86	10		10		10			
1/4	1,660.43	1/4	1,363.75	1/4	1,067.05	1/4	774.88	1/4	479.59	1/4	182.68	1/4		1/4		1/4			
1/2	1,654.25	1/2	1,357.57	1/2	1,060.87	1/2	768.86	1/2	473.40	1/2	176.49	1/2		1/2		1/2			
3/4	1,648.07	3/4	1,351.39	3/4	1,054.68	3/4	762.84	3/4	467.22	3/4	170.31	3/4		3/4		3/4			
11	1,641.89	11	1,345.21	11	1,048.50	11	756.81	11	461.03	11	164.12	11		11		11			
1/4	1,635.71	1/4	1,339.03	1/4	1,042.32	1/4	750.79	1/4	454.85	1/4	157.93	1/4		1/4		1/4			
1/2	1,629.54	1/2	1,332.85	1/2	1,036.14	1/2	744.77	1/2	448.66	1/2	151.74	1/2		1/2		1/2			
3/4	1,623.36	3/4	1,326.67	3/4	1,029.96	3/4	738.75	3/4	442.47	3/4	145.55	3/4		3/4		3/4			

STRAPPED: 02/18/2010 CL - SW
CALCULATED: 02/18/2010 CL
PRINTED: 02/18/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2010

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 10084"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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		0		0	3,493.06	0	3,252.78	0	2,991.04	0	2,729.29	0	2,467.11	0	2,203.96	0	1,940.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,492.14	1/4	3,247.33	1/4	2,985.58	1/4	2,723.84	1/4	2,461.63	1/4	2,198.48	1/4	1,935.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,489.40	1/2	3,241.87	1/2	2,980.13	1/2	2,718.39	1/2	2,456.14	1/2	2,192.99	1/2	1,929.84		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,486.66	3/4	3,236.42	3/4	2,974.68	3/4	2,712.93	3/4	2,450.66	3/4	2,187.51	3/4	1,924.36		
1		1		1		1	3,483.91	1	3,230.97	1	2,969.22	1	2,707.48	1	2,445.18	1	2,182.03	1	1,918.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,481.17	1/4	3,225.52	1/4	2,963.77	1/4	2,702.03	1/4	2,439.70	1/4	2,176.55	1/4	1,913.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,476.60	1/2	3,220.06	1/2	2,958.32	1/2	2,696.57	1/2	2,434.21	1/2	2,171.06	1/2	1,907.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,472.03	3/4	3,214.61	3/4	2,952.87	3/4	2,691.12	3/4	2,428.73	3/4	2,165.58	3/4	1,902.43		
2		2		2		2	3,467.46	2	3,209.16	2	2,947.41	2	2,685.67	2	2,423.25	2	2,160.10	2	1,896.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,462.89	1/4	3,203.70	1/4	2,941.96	1/4	2,680.22	1/4	2,417.77	1/4	2,154.62	1/4	1,891.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,457.58	1/2	3,198.25	1/2	2,936.51	1/2	2,674.76	1/2	2,412.29	1/2	2,149.14	1/2	1,885.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,452.27	3/4	3,192.80	3/4	2,931.05	3/4	2,669.31	3/4	2,406.80	3/4	2,143.65	3/4	1,880.50		
3		3		3		3	3,446.95	3	3,187.34	3	2,925.60	3	2,663.86	3	2,401.32	3	2,138.17	3	1,875.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,441.64	1/4	3,181.89	1/4	2,920.15	1/4	2,658.40	1/4	2,395.84	1/4	2,132.69	1/4	1,869.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,436.29	1/2	3,176.44	1/2	2,914.69	1/2	2,652.95	1/2	2,390.36	1/2	2,127.21	1/2	1,864.06		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,430.95	3/4	3,170.99	3/4	2,909.24	3/4	2,647.50	3/4	2,384.87	3/4	2,121.72	3/4	1,858.57		
4		4		4		4	3,425.60	4	3,165.53	4	2,903.79	4	2,642.04	4	2,379.39	4	2,116.24	4	1,853.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,420.26	1/4	3,160.08	1/4	2,898.34	1/4	2,636.59	1/4	2,373.91	1/4	2,110.76	1/4	1,847.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,414.90	1/2	3,154.63	1/2	2,892.88	1/2	2,631.14	1/2	2,368.43	1/2	2,105.28	1/2	1,842.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,409.55	3/4	3,149.17	3/4	2,887.43	3/4	2,625.69	3/4	2,362.95	3/4	2,099.79	3/4	1,836.64		
5		5		5		5	3,404.19	5	3,143.72	5	2,881.98	5	2,620.23	5	2,357.46	5	2,094.31	5	1,831.16		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,398.83	1/4	3,138.27	1/4	2,876.52	1/4	2,614.78	1/4	2,351.98	1/4	2,088.83	1/4	1,825.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,393.48	1/2	3,132.81	1/2	2,871.07	1/2	2,609.33	1/2	2,346.50	1/2	2,083.35	1/2	1,820.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,388.12	3/4	3,127.36	3/4	2,865.62	3/4	2,603.87	3/4	2,341.02	3/4	2,077.87	3/4	1,814.72		
6		6		6		6	3,382.76	6	3,121.91	6	2,860.16	6	2,598.42	6	2,335.53	6	2,072.38	6	1,809.23		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,377.40	1/4	3,116.46	1/4	2,854.71	1/4	2,592.97	1/4	2,330.05	1/4	2,066.90	1/4	1,803.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,372.05	1/2	3,111.00	1/2	2,849.26	1/2	2,587.51	1/2	2,324.57	1/2	2,061.42	1/2	1,798.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,366.70	3/4	3,105.55	3/4	2,843.81	3/4	2,582.06	3/4	2,319.09	3/4	2,055.94	3/4	1,792.79		
7		7		7		7	3,361.34	7	3,100.10	7	2,838.35	7	2,576.61	7	2,313.60	7	2,050.45	7	1,787.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,355.99	1/4	3,094.64	1/4	2,832.90	1/4	2,571.16	1/4	2,308.12	1/4	2,044.97	1/4	1,781.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,350.64	1/2	3,089.19	1/2	2,827.45	1/2	2,565.70	1/2	2,302.64	1/2	2,039.49	1/2	1,776.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,345.28	3/4	3,083.74	3/4	2,821.99	3/4	2,560.25	3/4	2,297.16	3/4	2,034.01	3/4	1,770.86		
8		8		8		8	3,339.93	8	3,078.28	8	2,816.54	8	2,554.80	8	2,291.68	8	2,028.52	8	1,765.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,334.58	1/4	3,072.83	1/4	2,811.09	1/4	2,549.34	1/4	2,286.19	1/4	2,023.04	1/4	1,759.89		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,329.12	1/2	3,067.38	1/2	2,805.63	1/2	2,543.86	1/2	2,280.71	1/2	2,017.56	1/2	1,754.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,323.67	3/4	3,061.93	3/4	2,800.18	3/4	2,538.38	3/4	2,275.23	3/4	2,012.08	3/4	1,748.93		
9		9		9		9	3,318.22	9	3,056.47	9	2,794.73	9	2,532.90	9	2,269.75	9	2,006.60	9	1,743.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,312.76	1/4	3,051.02	1/4	2,789.28	1/4	2,527.41	1/4	2,264.26	1/4	2,001.11	1/4	1,737.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,307.31	1/2	3,045.57	1/2	2,783.82	1/2	2,521.93	1/2	2,258.78	1/2	1,995.63	1/2	1,732.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,301.86	3/4	3,040.11	3/4	2,778.37	3/4	2,516.45	3/4	2,253.30	3/4	1,990.15	3/4	1,727.00		
10		10		10		10	3,296.40	10	3,034.66	10	2,772.92	10	2,510.97	10	2,247.82	10	1,984.67	10	1,721.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,290.95	1/4	3,029.21	1/4	2,767.46	1/4	2,505.48	1/4	2,242.33	1/4	1,979.18	1/4	1,716.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,285.50	1/2	3,023.75	1/2	2,762.01	1/2	2,500.00	1/2	2,236.85	1/2	1,973.70	1/2	1,710.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,280.05	3/4	3,018.30	3/4	2,756.56	3/4	2,494.52	3/4	2,231.37	3/4	1,968.22	3/4	1,705.07		
11		11		11		11	3,274.59	11	3,012.85	11	2,751.10	11	2,489.04	11	2,225.89	11	1,962.74	11	1,699.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,495.80	1/4	3,269.14	1/4	3,007.40	1/4	2,745.65	1/4	2,483.56	1/4	2,220.41	1/4	1,957.25	1/4	1,694.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,494.89	1/2	3,263.69	1/2	3,001.94	1/2	2,740.20	1/2	2,478.07	1/2	2,214.92	1/2	1,951.77	1/2	1,688.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,493.97	3/4	3,258.23	3/4	2,996.49	3/4	2,734.75	3/4	2,472.59	3/4	2,209.44	3/4	1,946.29	3/4	1,683.14

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 28'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 10084"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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	1,677.66	0	1,414.51	0	1,151.20	0	889.66	0	630.48	0	367.23	0	104.00	0		0			
1/4	1,672.18	1/4	1,409.02	1/4	1,145.71	1/4	884.26	1/4	625.03	1/4	361.74	1/4	98.53	1/4		1/4			
1/2	1,666.69	1/2	1,403.54	1/2	1,140.23	1/2	878.86	1/2	619.55	1/2	356.26	1/2	93.08	1/2		1/2			
3/4	1,661.21	3/4	1,398.05	3/4	1,134.74	3/4	873.46	3/4	614.07	3/4	350.77	3/4	87.63	3/4		3/4			
1	1,655.73	1	1,392.57	1	1,129.25	1	868.06	1	608.58	1	345.29	1	82.18	1		1			
1/4	1,650.25	1/4	1,387.08	1/4	1,123.77	1/4	862.66	1/4	603.10	1/4	339.80	1/4	76.73	1/4		1/4			
1/2	1,644.76	1/2	1,381.60	1/2	1,118.28	1/2	857.26	1/2	597.61	1/2	334.31	1/2	71.31	1/2		1/2			
3/4	1,639.28	3/4	1,376.11	3/4	1,112.80	3/4	851.86	3/4	592.13	3/4	328.83	3/4	65.89	3/4		3/4			
2	1,633.80	2	1,370.62	2	1,107.31	2	846.46	2	586.64	2	323.34	2	60.47	2		2			
1/4	1,628.32	1/4	1,365.14	1/4	1,101.83	1/4	841.06	1/4	581.16	1/4	317.86	1/4	55.05	1/4		1/4			
1/2	1,622.83	1/2	1,359.65	1/2	1,096.34	1/2	835.66	1/2	575.67	1/2	312.37	1/2	49.67	1/2		1/2			
3/4	1,617.35	3/4	1,354.17	3/4	1,090.85	3/4	830.26	3/4	570.19	3/4	306.89	3/4	44.30	3/4		3/4			
3	1,611.87	3	1,348.68	3	1,085.37	3	824.85	3	564.70	3	301.40	3	38.93	3		3			
1/4	1,606.39	1/4	1,343.20	1/4	1,079.88	1/4	819.45	1/4	559.22	1/4	295.92	1/4	33.56	1/4		1/4			
1/2	1,600.91	1/2	1,337.71	1/2	1,074.40	1/2	814.06	1/2	553.73	1/2	290.43	1/2	28.99	1/2		1/2			
3/4	1,595.42	3/4	1,332.23	3/4	1,068.91	3/4	808.66	3/4	548.25	3/4	284.95	3/4	24.43	3/4		3/4			
4	1,589.94	4	1,326.74	4	1,063.43	4	803.27	4	542.76	4	279.46	4	19.87	4		4			
1/4	1,584.46	1/4	1,321.25	1/4	1,057.94	1/4	797.87	1/4	537.27	1/4	273.98	1/4	15.31	1/4		1/4			
1/2	1,578.98	1/2	1,315.77	1/2	1,052.45	1/2	792.48	1/2	531.79	1/2	268.49	1/2	12.56	1/2		1/2			
3/4	1,573.49	3/4	1,310.28	3/4	1,046.97	3/4	787.08	3/4	526.30	3/4	263.00	3/4	9.82	3/4		3/4			
5	1,568.01	5	1,304.80	5	1,041.48	5	781.69	5	520.82	5	257.52	5	7.08	5		5			
1/4	1,562.53	1/4	1,299.31	1/4	1,036.00	1/4	776.29	1/4	515.33	1/4	252.03	1/4	4.33	1/4		1/4			
1/2	1,557.05	1/2	1,293.83	1/2	1,030.51	1/2	770.89	1/2	509.85	1/2	246.55	1/2	3.42	1/2		1/2			
3/4	1,551.56	3/4	1,288.34	3/4	1,025.03	3/4	765.50	3/4	504.36	3/4	241.06	3/4	2.51	3/4		3/4			
6	1,546.08	6	1,282.85	6	1,019.54	6	760.10	6	498.88	6	235.58	6	1.59	6		6			
1/4	1,540.60	1/4	1,277.37	1/4	1,014.05	1/4	754.71	1/4	493.39	1/4	230.09	1/4	0.68	1/4		1/4			
1/2	1,535.12	1/2	1,271.88	1/2	1,008.61	1/2	749.31	1/2	487.91	1/2	224.61	1/2		1/2		1/2			
3/4	1,529.64	3/4	1,266.40	3/4	1,003.17	3/4	743.92	3/4	482.42	3/4	219.12	3/4		3/4		3/4			
7	1,524.15	7	1,260.91	7	997.72	7	738.52	7	476.94	7	213.64	7		7		7			
1/4	1,518.67	1/4	1,255.43	1/4	992.28	1/4	733.13	1/4	471.45	1/4	208.15	1/4		1/4		1/4			
1/2	1,513.19	1/2	1,249.94	1/2	986.88	1/2	727.73	1/2	465.96	1/2	202.67	1/2		1/2		1/2			
3/4	1,507.71	3/4	1,244.45	3/4	981.48	3/4	722.34	3/4	460.48	3/4	197.18	3/4		3/4		3/4			
8	1,502.22	8	1,238.97	8	976.08	8	716.94	8	454.99	8	191.69	8		8		8			
1/4	1,496.74	1/4	1,233.48	1/4	970.68	1/4	711.54	1/4	449.51	1/4	186.21	1/4		1/4		1/4			
1/2	1,491.26	1/2	1,228.00	1/2	965.28	1/2	706.15	1/2	444.02	1/2	180.72	1/2		1/2		1/2			
3/4	1,485.78	3/4	1,222.51	3/4	959.87	3/4	700.75	3/4	438.54	3/4	175.24	3/4		3/4		3/4			
9	1,480.29	9	1,217.03	9	954.47	9	695.36	9	433.05	9	169.75	9		9		9			
1/4	1,474.81	1/4	1,211.54	1/4	949.07	1/4	689.96	1/4	427.57	1/4	164.27	1/4		1/4		1/4			
1/2	1,469.33	1/2	1,206.05	1/2	943.67	1/2	684.57	1/2	422.08	1/2	158.78	1/2		1/2		1/2			
3/4	1,463.85	3/4	1,200.57	3/4	938.27	3/4	679.17	3/4	416.60	3/4	153.30	3/4		3/4		3/4			
10	1,458.37	10	1,195.08	10	932.87	10	673.78	10	411.11	10	147.81	10		10		10			
1/4	1,452.88	1/4	1,189.60	1/4	927.47	1/4	668.38	1/4	405.62	1/4	142.33	1/4		1/4		1/4			
1/2	1,447.40	1/2	1,184.11	1/2	922.07	1/2	662.99	1/2	400.14	1/2	136.85	1/2		1/2		1/2			
3/4	1,441.92	3/4	1,178.63	3/4	916.67	3/4	657.59	3/4	394.65	3/4	131.37	3/4		3/4		3/4			
11	1,436.44	11	1,173.14	11	911.27	11	652.20	11	389.17	11	125.89	11		11		11			
1/4	1,430.95	1/4	1,167.65	1/4	905.87	1/4	646.80	1/4	383.68	1/4	120.41	1/4		1/4		1/4			
1/2	1,425.47	1/2	1,162.17	1/2	900.47	1/2	641.36	1/2	378.20	1/2	114.94	1/2		1/2		1/2			
3/4	1,419.99	3/4	1,156.68	3/4	895.07	3/4	635.92	3/4	372.71	3/4	109.47	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2010 CL - SW
CALCULATED: 02/18/2010 CL
PRINTED: 02/18/2010 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 10084"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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			
0		0		0		0	3,470.49	0	3,232.07	0	2,972.34	0	2,712.60	0	2,452.43	0	2,191.31	0	1,930.19		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,469.58	1/4	3,226.66	1/4	2,966.92	1/4	2,707.19	1/4	2,446.99	1/4	2,185.87	1/4	1,924.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,466.86	1/2	3,221.25	1/2	2,961.51	1/2	2,701.78	1/2	2,441.55	1/2	2,180.43	1/2	1,919.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,464.14	3/4	3,215.84	3/4	2,956.10	3/4	2,696.37	3/4	2,436.11	3/4	2,174.99	3/4	1,913.87		
1		1		1		1	3,461.42	1	3,210.42	1	2,950.69	1	2,690.96	1	2,430.67	1	2,169.55	1	1,908.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,458.70	1/4	3,205.01	1/4	2,945.28	1/4	2,685.55	1/4	2,425.23	1/4	2,164.11	1/4	1,902.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,454.16	1/2	3,199.60	1/2	2,939.87	1/2	2,680.14	1/2	2,419.79	1/2	2,158.67	1/2	1,897.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,449.63	3/4	3,194.19	3/4	2,934.46	3/4	2,674.73	3/4	2,414.35	3/4	2,153.23	3/4	1,892.10		
2		2		2		2	3,445.09	2	3,188.78	2	2,929.05	2	2,669.31	2	2,408.91	2	2,147.79	2	1,886.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,440.56	1/4	3,183.37	1/4	2,923.64	1/4	2,663.90	1/4	2,403.47	1/4	2,142.35	1/4	1,881.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,435.29	1/2	3,177.96	1/2	2,918.22	1/2	2,658.49	1/2	2,398.03	1/2	2,136.91	1/2	1,875.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,430.01	3/4	3,172.55	3/4	2,912.81	3/4	2,653.08	3/4	2,392.59	3/4	2,131.47	3/4	1,870.34		
3		3		3		3	3,424.74	3	3,167.14	3	2,907.40	3	2,647.67	3	2,387.15	3	2,126.03	3	1,864.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,419.47	1/4	3,161.72	1/4	2,901.99	1/4	2,642.26	1/4	2,381.71	1/4	2,120.59	1/4	1,859.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,414.17	1/2	3,156.31	1/2	2,896.58	1/2	2,636.85	1/2	2,376.27	1/2	2,115.15	1/2	1,854.02		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,408.86	3/4	3,150.90	3/4	2,891.17	3/4	2,631.44	3/4	2,370.83	3/4	2,109.71	3/4	1,848.58		
4		4		4		4	3,403.56	4	3,145.49	4	2,885.76	4	2,626.03	4	2,365.39	4	2,104.27	4	1,843.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,398.26	1/4	3,140.08	1/4	2,880.35	1/4	2,620.61	1/4	2,359.95	1/4	2,098.83	1/4	1,837.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,392.94	1/2	3,134.67	1/2	2,874.94	1/2	2,615.20	1/2	2,354.51	1/2	2,093.39	1/2	1,832.26		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,387.62	3/4	3,129.26	3/4	2,869.52	3/4	2,609.79	3/4	2,349.07	3/4	2,087.95	3/4	1,826.82		
5		5		5		5	3,382.31	5	3,123.85	5	2,864.11	5	2,604.38	5	2,343.63	5	2,082.51	5	1,821.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,376.99	1/4	3,118.44	1/4	2,858.70	1/4	2,598.97	1/4	2,338.19	1/4	2,077.07	1/4	1,815.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,371.67	1/2	3,113.02	1/2	2,853.29	1/2	2,593.56	1/2	2,332.75	1/2	2,071.63	1/2	1,810.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,366.36	3/4	3,107.61	3/4	2,847.88	3/4	2,588.15	3/4	2,327.31	3/4	2,066.19	3/4	1,805.06		
6		6		6		6	3,361.04	6	3,102.20	6	2,842.47	6	2,582.74	6	2,321.87	6	2,060.75	6	1,799.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,355.73	1/4	3,096.79	1/4	2,837.06	1/4	2,577.33	1/4	2,316.43	1/4	2,055.31	1/4	1,794.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,350.41	1/2	3,091.38	1/2	2,831.65	1/2	2,571.91	1/2	2,310.99	1/2	2,049.87	1/2	1,788.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,345.10	3/4	3,085.97	3/4	2,826.24	3/4	2,566.50	3/4	2,305.55	3/4	2,044.43	3/4	1,783.30		
7		7		7		7	3,339.79	7	3,080.56	7	2,820.82	7	2,561.09	7	2,300.11	7	2,038.99	7	1,777.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,334.48	1/4	3,075.15	1/4	2,815.41	1/4	2,555.68	1/4	2,294.67	1/4	2,033.55	1/4	1,772.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,329.17	1/2	3,069.74	1/2	2,810.00	1/2	2,550.27	1/2	2,289.23	1/2	2,028.11	1/2	1,766.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,323.86	3/4	3,064.32	3/4	2,804.59	3/4	2,544.86	3/4	2,283.79	3/4	2,022.67	3/4	1,761.54		
8		8		8		8	3,318.55	8	3,058.91	8	2,799.18	8	2,539.45	8	2,278.35	8	2,017.23	8	1,756.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,313.23	1/4	3,053.50	1/4	2,793.77	1/4	2,534.04	1/4	2,272.91	1/4	2,011.79	1/4	1,750.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,307.82	1/2	3,048.09	1/2	2,788.36	1/2	2,528.60	1/2	2,267.47	1/2	2,006.35	1/2	1,745.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,302.41	3/4	3,042.68	3/4	2,782.95	3/4	2,523.16	3/4	2,262.03	3/4	2,000.91	3/4	1,739.78		
9		9		9		9	3,297.00	9	3,037.27	9	2,777.54	9	2,517.72	9	2,256.59	9	1,995.47	9	1,734.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,291.59	1/4	3,031.86	1/4	2,772.12	1/4	2,512.28	1/4	2,251.15	1/4	1,990.03	1/4	1,728.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,286.18	1/2	3,026.45	1/2	2,766.71	1/2	2,506.84	1/2	2,245.71	1/2	1,984.59	1/2	1,723.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,280.77	3/4	3,021.04	3/4	2,761.30	3/4	2,501.40	3/4	2,240.27	3/4	1,979.15	3/4	1,718.02		
10		10		10		10	3,275.36	10	3,015.62	10	2,755.89	10	2,495.96	10	2,234.83	10	1,973.71	10	1,712.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,269.95	1/4	3,010.21	1/4	2,750.48	1/4	2,490.52	1/4	2,229.39	1/4	1,968.27	1/4	1,707.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,264.53	1/2	3,004.80	1/2	2,745.07	1/2	2,485.08	1/2	2,223.95	1/2	1,962.83	1/2	1,701.70		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,259.12	3/4	2,999.39	3/4	2,739.66	3/4	2,479.64	3/4	2,218.51	3/4	1,957.39	3/4	1,696.26		
11		11		11		11	3,253.71	11	2,993.98	11	2,734.25	11	2,474.20	11	2,213.07	11	1,951.95	11	1,690.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,473.21	1/4	3,248.30	1/4	2,988.57	1/4	2,728.84	1/4	2,468.76	1/4	2,207.63	1/4	1,946.51	1/4	1,685.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,472.31	1/2	3,242.89	1/2	2,983.16	1/2	2,723.42	1/2	2,463.32	1/2	2,202.19	1/2	1,941.07	1/2	1,679.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,471.40	3/4	3,237.48	3/4	2,977.75	3/4	2,718.01	3/4	2,457.88	3/4	2,196.75	3/4	1,935.63	3/4	1,674.50

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 10084"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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	1,669.06	0	1,407.94	0	1,146.64	0	886.18	0	625.68	0	364.41	0	103.21	0		0			
1/4	1,663.62	1/4	1,402.50	1/4	1,141.20	1/4	880.77	1/4	620.24	1/4	358.97	1/4	97.78	1/4		1/4			
1/2	1,658.18	1/2	1,397.05	1/2	1,135.75	1/2	875.37	1/2	614.80	1/2	353.53	1/2	92.37	1/2		1/2			
3/4	1,652.74	3/4	1,391.61	3/4	1,130.31	3/4	869.96	3/4	609.36	3/4	348.08	3/4	86.96	3/4		3/4			
1	1,647.30	1	1,386.16	1	1,124.87	1	864.55	1	603.92	1	342.64	1	81.56	1		1			
1/4	1,641.86	1/4	1,380.72	1/4	1,119.42	1/4	859.14	1/4	598.47	1/4	337.20	1/4	76.15	1/4		1/4			
1/2	1,636.42	1/2	1,375.28	1/2	1,113.98	1/2	853.74	1/2	593.03	1/2	331.75	1/2	70.77	1/2		1/2			
3/4	1,630.98	3/4	1,369.83	3/4	1,108.54	3/4	848.33	3/4	587.59	3/4	326.31	3/4	65.39	3/4		3/4			
2	1,625.54	2	1,364.39	2	1,103.09	2	842.92	2	582.14	2	320.87	2	60.01	2		2			
1/4	1,620.10	1/4	1,358.95	1/4	1,097.65	1/4	837.52	1/4	576.70	1/4	315.42	1/4	54.63	1/4		1/4			
1/2	1,614.66	1/2	1,353.50	1/2	1,092.20	1/2	832.11	1/2	571.26	1/2	309.98	1/2	49.30	1/2		1/2			
3/4	1,609.22	3/4	1,348.06	3/4	1,086.76	3/4	826.70	3/4	565.82	3/4	304.54	3/4	43.96	3/4		3/4			
3	1,603.78	3	1,342.61	3	1,081.32	3	821.29	3	560.37	3	299.09	3	38.63	3		3			
1/4	1,598.34	1/4	1,337.17	1/4	1,075.87	1/4	815.89	1/4	554.93	1/4	293.65	1/4	33.30	1/4		1/4			
1/2	1,592.90	1/2	1,331.73	1/2	1,070.43	1/2	810.48	1/2	549.49	1/2	288.21	1/2	28.78	1/2		1/2			
3/4	1,587.46	3/4	1,326.28	3/4	1,064.99	3/4	805.08	3/4	544.04	3/4	282.76	3/4	24.25	3/4		3/4			
4	1,582.02	4	1,320.84	4	1,059.54	4	799.68	4	538.60	4	277.32	4	19.72	4		4			
1/4	1,576.58	1/4	1,315.40	1/4	1,054.10	1/4	794.28	1/4	533.16	1/4	271.88	1/4	15.19	1/4		1/4			
1/2	1,571.14	1/2	1,309.95	1/2	1,048.66	1/2	788.84	1/2	527.71	1/2	266.43	1/2	12.47	1/2		1/2			
3/4	1,565.70	3/4	1,304.51	3/4	1,043.21	3/4	783.40	3/4	522.27	3/4	260.99	3/4	9.75	3/4		3/4			
5	1,560.26	5	1,299.07	5	1,037.77	5	777.96	5	516.83	5	255.55	5	7.03	5		5			
1/4	1,554.82	1/4	1,293.62	1/4	1,032.32	1/4	772.53	1/4	511.38	1/4	250.10	1/4	4.31	1/4		1/4			
1/2	1,549.38	1/2	1,288.18	1/2	1,026.88	1/2	767.09	1/2	505.94	1/2	244.66	1/2	3.40	1/2		1/2			
3/4	1,543.94	3/4	1,282.73	3/4	1,021.44	3/4	761.65	3/4	500.50	3/4	239.22	3/4	2.49	3/4		3/4			
6	1,538.50	6	1,277.29	6	1,015.99	6	756.21	6	495.05	6	233.77	6	1.58	6		6			
1/4	1,533.06	1/4	1,271.85	1/4	1,010.55	1/4	750.77	1/4	489.61	1/4	228.33	1/4	0.68	1/4		1/4			
1/2	1,527.62	1/2	1,266.40	1/2	1,005.14	1/2	745.33	1/2	484.17	1/2	222.89	1/2		1/2		1/2			
3/4	1,522.18	3/4	1,260.96	3/4	999.73	3/4	739.90	3/4	478.72	3/4	217.44	3/4		3/4		3/4			
7	1,516.74	7	1,255.52	7	994.33	7	734.46	7	473.28	7	212.00	7		7		7			
1/4	1,511.30	1/4	1,250.07	1/4	988.92	1/4	729.02	1/4	467.84	1/4	206.56	1/4		1/4		1/4			
1/2	1,505.86	1/2	1,244.63	1/2	983.51	1/2	723.58	1/2	462.39	1/2	201.11	1/2		1/2		1/2			
3/4	1,500.42	3/4	1,239.18	3/4	978.11	3/4	718.14	3/4	456.95	3/4	195.67	3/4		3/4		3/4			
8	1,494.98	8	1,233.74	8	972.70	8	712.70	8	451.51	8	190.23	8		8		8			
1/4	1,489.54	1/4	1,228.30	1/4	967.29	1/4	707.27	1/4	446.06	1/4	184.78	1/4		1/4		1/4			
1/2	1,484.10	1/2	1,222.85	1/2	961.88	1/2	701.83	1/2	440.62	1/2	179.34	1/2		1/2		1/2			
3/4	1,478.66	3/4	1,217.41	3/4	956.48	3/4	696.39	3/4	435.18	3/4	173.90	3/4		3/4		3/4			
9	1,473.22	9	1,211.97	9	951.07	9	690.95	9	429.73	9	168.45	9		9		9			
1/4	1,467.78	1/4	1,206.52	1/4	945.66	1/4	685.51	1/4	424.29	1/4	163.01	1/4		1/4		1/4			
1/2	1,462.34	1/2	1,201.08	1/2	940.25	1/2	680.07	1/2	418.85	1/2	157.57	1/2		1/2		1/2			
3/4	1,456.90	3/4	1,195.64	3/4	934.85	3/4	674.64	3/4	413.40	3/4	152.13	3/4		3/4		3/4			
10	1,451.46	10	1,190.19	10	929.44	10	669.20	10	407.96	10	146.68	10		10		10			
1/4	1,446.02	1/4	1,184.75	1/4	924.03	1/4	663.76	1/4	402.52	1/4	141.24	1/4		1/4		1/4			
1/2	1,440.58	1/2	1,179.30	1/2	918.63	1/2	658.32	1/2	397.07	1/2	135.80	1/2		1/2		1/2			
3/4	1,435.14	3/4	1,173.86	3/4	913.22	3/4	652.89	3/4	391.63	3/4	130.37	3/4		3/4		3/4			
11	1,429.70	11	1,168.42	11	907.81	11	647.45	11	386.19	11	124.93	11		11		11			
1/4	1,424.26	1/4	1,162.97	1/4	902.40	1/4	642.01	1/4	380.74	1/4	119.49	1/4		1/4		1/4			
1/2	1,418.82	1/2	1,157.53	1/2	897.00	1/2	636.57	1/2	375.30	1/2	114.06	1/2		1/2		1/2			
3/4	1,413.38	3/4	1,152.09	3/4	891.59	3/4	631.13	3/4	369.86	3/4	108.64	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2010 CL - SW
CALCULATED: 02/18/2010 CL
PRINTED: 02/18/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2010

PRECISION MEASUREMENT
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