



BARGE "KIRBY 28135"

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 PORT	- 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
1 STBD	- 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 PORT	- 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	- 00-5/8	00-5/8
2 STBD	- 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	- 00-5/8	00-5/8
3 PORT	- 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
3 STBD	- 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 PORT IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 236'-06"

October 30, 2009

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28135"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	4,217.53	0	3,929.03	0	3,626.31	0	3,309.63	0	2,980.53	0	2,649.07	0	2,317.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,211.64	1/4	3,922.89	1/4	3,619.86	1/4	3,302.90	1/4	2,973.63	1/4	2,642.16	1/4	2,310.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,205.72	1/2	3,916.73	1/2	3,613.38	1/2	3,296.14	1/2	2,966.72	1/2	2,635.25	1/2	2,303.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,199.81	3/4	3,910.58	3/4	3,606.91	3/4	3,289.39	3/4	2,959.82	3/4	2,628.35	3/4	2,296.85
1		1		1		1	4,193.90	1	3,904.42	1	3,600.43	1	3,282.63	1	2,952.91	1	2,621.44	1	2,289.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,187.99	1/4	3,898.26	1/4	3,593.96	1/4	3,275.88	1/4	2,946.01	1/4	2,614.54	1/4	2,283.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,182.05	1/2	3,892.08	1/2	3,587.46	1/2	3,269.09	1/2	2,939.10	1/2	2,607.63	1/2	2,276.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,176.12	3/4	3,885.90	3/4	3,580.96	3/4	3,262.31	3/4	2,932.20	3/4	2,600.73	3/4	2,269.23
2		2		2		2	4,170.19	2	3,879.71	2	3,574.47	2	3,255.52	2	2,925.29	2	2,593.82	2	2,262.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,164.25	1/4	3,873.53	1/4	3,567.97	1/4	3,248.74	1/4	2,918.38	1/4	2,586.92	1/4	2,255.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,158.29	1/2	3,867.33	1/2	3,561.45	1/2	3,241.93	1/2	2,911.48	1/2	2,580.01	1/2	2,248.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,152.33	3/4	3,861.12	3/4	3,554.93	3/4	3,235.13	3/4	2,904.57	3/4	2,573.10	3/4	2,241.60
3		3		3		3	4,146.37	3	3,854.92	3	3,548.41	3	3,228.33	3	2,897.67	3	2,566.20	3	2,234.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,140.41	1/4	3,848.71	1/4	3,541.89	1/4	3,221.52	1/4	2,890.76	1/4	2,559.29	1/4	2,227.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,134.46	1/2	3,842.45	1/2	3,535.35	1/2	3,214.70	1/2	2,883.86	1/2	2,552.39	1/2	2,220.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,128.51	3/4	3,836.19	3/4	3,528.80	3/4	3,207.87	3/4	2,876.95	3/4	2,545.48	3/4	2,213.97
4		4		4		4	4,122.56	4	3,829.93	4	3,522.26	4	3,201.05	4	2,870.04	4	2,538.58	4	2,207.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,116.62	1/4	3,823.67	1/4	3,515.71	1/4	3,194.22	1/4	2,863.14	1/4	2,531.67	1/4	2,200.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,110.65	1/2	3,817.38	1/2	3,509.15	1/2	3,187.37	1/2	2,856.23	1/2	2,524.76	1/2	2,193.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,104.68	3/4	3,811.09	3/4	3,502.58	3/4	3,180.52	3/4	2,849.33	3/4	2,517.86	3/4	2,186.34
5		5		5		5	4,098.71	5	3,804.81	5	3,496.01	5	3,173.66	5	2,842.42	5	2,510.95	5	2,179.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,092.74	1/4	3,798.52	1/4	3,489.45	1/4	3,166.81	1/4	2,835.52	1/4	2,504.05	1/4	2,172.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,086.74	1/2	3,792.21	1/2	3,482.85	1/2	3,159.94	1/2	2,828.61	1/2	2,497.14	1/2	2,165.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,080.74	3/4	3,785.90	3/4	3,476.26	3/4	3,153.06	3/4	2,821.71	3/4	2,490.24	3/4	2,158.72
6		6		6		6	4,074.75	6	3,779.59	6	3,469.66	6	3,146.19	6	2,814.80	6	2,483.33	6	2,151.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,068.75	1/4	3,773.28	1/4	3,463.06	1/4	3,139.32	1/4	2,807.89	1/4	2,476.43	1/4	2,144.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,361.26	1/2	4,062.73	1/2	3,766.95	1/2	3,132.42	1/2	2,800.99	1/2	2,469.52	1/2	2,138.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,356.07	3/4	4,056.72	3/4	3,760.61	3/4	3,449.83	3/4	3,125.53	3/4	2,794.08	3/4	2,462.61
7		7		7		7	4,350.89	7	4,050.70	7	3,754.27	7	3,443.22	7	3,118.63	7	2,787.18	7	2,455.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,345.71	1/4	4,044.68	1/4	3,747.93	1/4	3,436.60	1/4	3,111.74	1/4	2,780.27	1/4	2,448.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,338.80	1/2	4,038.63	1/2	3,741.58	1/2	3,429.97	1/2	3,104.84	1/2	2,773.37	1/2	2,441.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,331.90	3/4	4,032.59	3/4	3,735.22	3/4	3,423.33	3/4	3,097.93	3/4	2,766.46	3/4	2,434.99
8		8		8		8	4,324.99	8	4,026.54	8	3,728.86	8	3,416.69	8	3,091.02	8	2,759.56	8	2,428.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,318.08	1/4	4,020.50	1/4	3,722.50	1/4	3,410.06	1/4	3,084.12	1/4	2,752.65	1/4	2,421.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,311.18	1/2	4,014.43	1/2	3,716.13	1/2	3,403.39	1/2	3,077.21	1/2	2,745.74	1/2	2,414.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,304.27	3/4	4,008.37	3/4	3,709.75	3/4	3,396.73	3/4	3,070.31	3/4	2,738.84	3/4	2,407.36
9		9		9		9	4,297.36	9	4,002.30	9	3,703.37	9	3,390.06	9	3,063.40	9	2,731.93	9	2,400.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,290.46	1/4	3,996.24	1/4	3,696.99	1/4	3,383.40	1/4	3,056.50	1/4	2,725.03	1/4	2,393.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,283.55	1/2	3,990.15	1/2	3,690.58	1/2	3,376.71	1/2	3,049.59	1/2	2,718.12	1/2	2,386.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,276.64	3/4	3,984.06	3/4	3,684.18	3/4	3,370.03	3/4	3,042.68	3/4	2,711.22	3/4	2,379.74
10		10		10		10	4,269.74	10	3,977.98	10	3,677.77	10	3,363.34	10	3,035.78	10	2,704.31	10	2,372.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,262.83	1/4	3,971.89	1/4	3,671.36	1/4	3,356.66	1/4	3,028.87	1/4	2,697.40	1/4	2,365.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,255.92	1/2	3,965.77	1/2	3,664.93	1/2	3,349.95	1/2	3,021.97	1/2	2,690.50	1/2	2,359.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,249.02	3/4	3,959.66	3/4	3,658.51	3/4	3,343.24	3/4	3,015.06	3/4	2,683.59	3/4	2,352.11
11		11		11		11	4,242.11	11	3,953.55	11	3,652.08	11	3,336.54	11	3,008.16	11	2,676.69	11	2,345.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,235.20	1/4	3,947.43	1/4	3,645.65	1/4	3,329.83	1/4	3,001.25	1/4	2,669.78	1/4	2,338.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,229.31	1/2	3,941.30	1/2	3,639.21	1/2	3,323.10	1/2	2,994.35	1/2	2,662.88	1/2	2,331.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,223.42	3/4	3,935.16	3/4	3,632.76	3/4	3,316.36	3/4	2,987.44	3/4	2,655.97	3/4	2,324.48

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 12'-09" OFF CENTERLINE AND 37'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28135"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,986.05	0	1,654.52	0	1,322.99	0	991.75	0	674.93	0	381.19	0	111.05	0		0		0	
1/4	1,979.14	1/4	1,647.61	1/4	1,316.09	1/4	984.90	1/4	668.56	1/4	375.31	1/4	105.66	1/4		1/4		1/4	
1/2	1,972.23	1/2	1,640.71	1/2	1,309.18	1/2	978.07	1/2	662.22	1/2	369.46	1/2	100.31	1/2		1/2		1/2	
3/4	1,965.33	3/4	1,633.80	3/4	1,302.27	3/4	971.25	3/4	655.88	3/4	363.62	3/4	94.96	3/4		3/4		3/4	
1	1,958.42	1	1,626.89	1	1,295.37	1	964.42	1	649.55	1	357.77	1	89.60	1		1		1	
1/4	1,951.51	1/4	1,619.99	1/4	1,288.46	1/4	957.59	1/4	643.21	1/4	351.93	1/4	84.25	1/4		1/4		1/4	
1/2	1,944.61	1/2	1,613.08	1/2	1,281.55	1/2	950.83	1/2	636.92	1/2	346.13	1/2	78.95	1/2		1/2		1/2	
3/4	1,937.70	3/4	1,606.17	3/4	1,274.65	3/4	944.06	3/4	630.63	3/4	340.33	3/4	73.64	3/4		3/4		3/4	
2	1,930.79	2	1,599.27	2	1,267.74	2	937.29	2	624.33	2	334.53	2	68.34	2		2		2	
1/4	1,923.89	1/4	1,592.36	1/4	1,260.83	1/4	930.52	1/4	618.04	1/4	328.73	1/4	63.03	1/4		1/4		1/4	
1/2	1,916.98	1/2	1,585.45	1/2	1,253.93	1/2	923.79	1/2	611.79	1/2	322.97	1/2	57.76	1/2		1/2		1/2	
3/4	1,910.07	3/4	1,578.55	3/4	1,247.02	3/4	917.06	3/4	605.53	3/4	317.20	3/4	52.49	3/4		3/4		3/4	
3	1,903.17	3	1,571.64	3	1,240.11	3	910.33	3	599.28	3	311.44	3	47.22	3		3		3	
1/4	1,896.26	1/4	1,564.73	1/4	1,233.21	1/4	903.60	1/4	593.03	1/4	305.68	1/4	41.96	1/4		1/4		1/4	
1/2	1,889.35	1/2	1,557.83	1/2	1,226.30	1/2	896.91	1/2	586.82	1/2	299.96	1/2	37.60	1/2		1/2		1/2	
3/4	1,882.45	3/4	1,550.92	3/4	1,219.39	3/4	890.23	3/4	580.61	3/4	294.24	3/4	33.24	3/4		3/4		3/4	
4	1,875.54	4	1,544.01	4	1,212.49	4	883.54	4	574.39	4	288.52	4	28.88	4		4		4	
1/4	1,868.63	1/4	1,537.11	1/4	1,205.58	1/4	876.85	1/4	568.18	1/4	282.80	1/4	24.52	1/4		1/4		1/4	
1/2	1,861.73	1/2	1,530.20	1/2	1,198.67	1/2	870.21	1/2	562.01	1/2	277.12	1/2	21.92	1/2		1/2		1/2	
3/4	1,854.82	3/4	1,523.29	3/4	1,191.77	3/4	863.56	3/4	555.84	3/4	271.44	3/4	19.33	3/4		3/4		3/4	
5	1,847.91	5	1,516.39	5	1,184.86	5	856.91	5	549.67	5	265.76	5	16.73	5		5		5	
1/4	1,841.00	1/4	1,509.48	1/4	1,177.95	1/4	850.26	1/4	543.50	1/4	260.08	1/4	14.14	1/4		1/4		1/4	
1/2	1,834.10	1/2	1,502.57	1/2	1,171.05	1/2	843.66	1/2	537.37	1/2	254.44	1/2		1/2		1/2		1/2	
3/4	1,827.19	3/4	1,495.66	3/4	1,164.14	3/4	837.05	3/4	531.24	3/4	248.81	3/4		3/4		3/4		3/4	
6	1,820.28	6	1,488.76	6	1,157.23	6	830.45	6	525.11	6	243.17	6		6		6		6	
1/4	1,813.38	1/4	1,481.85	1/4	1,150.32	1/4	823.84	1/4	518.98	1/4	237.53	1/4		1/4		1/4		1/4	
1/2	1,806.47	1/2	1,474.94	1/2	1,143.42	1/2	817.28	1/2	512.89	1/2	231.93	1/2		1/2		1/2		1/2	
3/4	1,799.56	3/4	1,468.04	3/4	1,136.51	3/4	810.71	3/4	506.80	3/4	226.34	3/4		3/4		3/4		3/4	
7	1,792.66	7	1,461.13	7	1,129.60	7	804.15	7	500.71	7	220.74	7		7		7		7	
1/4	1,785.75	1/4	1,454.22	1/4	1,122.70	1/4	797.58	1/4	494.62	1/4	215.14	1/4		1/4		1/4		1/4	
1/2	1,778.84	1/2	1,447.32	1/2	1,115.79	1/2	791.06	1/2	488.57	1/2	209.58	1/2		1/2		1/2		1/2	
3/4	1,771.94	3/4	1,440.41	3/4	1,108.88	3/4	784.53	3/4	482.53	3/4	204.03	3/4		3/4		3/4		3/4	
8	1,765.03	8	1,433.50	8	1,101.98	8	778.01	8	476.48	8	198.47	8		8		8		8	
1/4	1,758.12	1/4	1,426.60	1/4	1,095.07	1/4	771.49	1/4	470.43	1/4	192.92	1/4		1/4		1/4		1/4	
1/2	1,751.22	1/2	1,419.69	1/2	1,088.16	1/2	765.00	1/2	464.43	1/2	187.40	1/2		1/2		1/2		1/2	
3/4	1,744.31	3/4	1,412.78	3/4	1,081.26	3/4	758.52	3/4	458.42	3/4	181.88	3/4		3/4		3/4		3/4	
9	1,737.40	9	1,405.88	9	1,074.35	9	752.04	9	452.41	9	176.37	9		9		9		9	
1/4	1,730.50	1/4	1,398.97	1/4	1,067.45	1/4	745.55	1/4	446.40	1/4	170.85	1/4		1/4		1/4		1/4	
1/2	1,723.59	1/2	1,392.06	1/2	1,060.55	1/2	739.10	1/2	440.44	1/2	165.38	1/2		1/2		1/2		1/2	
3/4	1,716.68	3/4	1,385.16	3/4	1,053.65	3/4	732.64	3/4	434.47	3/4	159.90	3/4		3/4		3/4		3/4	
10	1,709.78	10	1,378.25	10	1,046.75	10	726.18	10	428.51	10	154.43	10		10		10		10	
1/4	1,702.87	1/4	1,371.34	1/4	1,039.86	1/4	719.73	1/4	422.54	1/4	148.96	1/4		1/4		1/4		1/4	
1/2	1,695.96	1/2	1,364.44	1/2	1,032.97	1/2	713.31	1/2	416.62	1/2	143.52	1/2		1/2		1/2		1/2	
3/4	1,689.06	3/4	1,357.53	3/4	1,026.09	3/4	706.89	3/4	410.69	3/4	138.09	3/4		3/4		3/4		3/4	
11	1,682.15	11	1,350.62	11	1,019.21	11	700.47	11	404.76	11	132.65	11		11		11		11	
1/4	1,675.24	1/4	1,343.72	1/4	1,012.33	1/4	694.06	1/4	398.84	1/4	127.21	1/4		1/4		1/4		1/4	
1/2	1,668.33	1/2	1,336.81	1/2	1,005.47	1/2	687.68	1/2	392.96	1/2	121.82	1/2		1/2		1/2		1/2	
3/4	1,661.43	3/4	1,329.90	3/4	998.61	3/4	681.31	3/4	387.07	3/4	116.44	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/30/2009 CL - SW
CALCULATED: 10/30/2009 CL
PRINTED: 10/30/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2009

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



BARGE "KIRBY 28135"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

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	4,221.64	0	3,933.38	0	3,630.98	0	3,314.59	0	2,985.66	0	2,654.19	0	2,322.70
1/4		1/4		1/4		1/4	4,215.75	1/4	3,927.25	1/4	3,624.53	1/4	3,307.85	1/4	2,978.76	1/4	2,647.29	1/4	2,315.80
1/2		1/2		1/2		1/2	4,209.86	1/2	3,921.11	1/2	3,618.08	1/2	3,301.12	1/2	2,971.85	1/2	2,640.38	1/2	2,308.89
3/4		3/4		3/4		3/4	4,203.95	3/4	3,914.96	3/4	3,611.61	3/4	3,294.36	3/4	2,964.95	3/4	2,633.48	3/4	2,301.98
1		1		1		1	4,198.03	1	3,908.80	1	3,605.13	1	3,287.61	1	2,958.04	1	2,626.57	1	2,295.08
1/4		1/4		1/4		1/4	4,192.12	1/4	3,902.64	1/4	3,598.66	1/4	3,280.85	1/4	2,951.13	1/4	2,619.67	1/4	2,288.17
1/2		1/2		1/2		1/2	4,186.21	1/2	3,896.49	1/2	3,592.18	1/2	3,274.10	1/2	2,944.23	1/2	2,612.76	1/2	2,281.26
3/4		3/4		3/4		3/4	4,180.28	3/4	3,890.30	3/4	3,585.68	3/4	3,267.31	3/4	2,937.32	3/4	2,605.85	3/4	2,274.36
2		2		2		2	4,174.34	2	3,884.12	2	3,579.19	2	3,260.53	2	2,930.42	2	2,598.95	2	2,267.45
1/4		1/4		1/4		1/4	4,168.41	1/4	3,877.94	1/4	3,572.69	1/4	3,253.74	1/4	2,923.51	1/4	2,592.04	1/4	2,260.54
1/2		1/2		1/2		1/2	4,162.47	1/2	3,871.75	1/2	3,566.19	1/2	3,246.96	1/2	2,916.61	1/2	2,585.14	1/2	2,253.64
3/4		3/4		3/4		3/4	4,156.51	3/4	3,865.55	3/4	3,559.67	3/4	3,240.16	3/4	2,909.70	3/4	2,578.23	3/4	2,246.73
3		3		3		3	4,150.55	3	3,859.34	3	3,553.15	3	3,233.35	3	2,902.80	3	2,571.33	3	2,239.82
1/4		1/4		1/4		1/4	4,144.59	1/4	3,853.14	1/4	3,546.64	1/4	3,226.55	1/4	2,895.89	1/4	2,564.42	1/4	2,232.92
1/2		1/2		1/2		1/2	4,138.63	1/2	3,846.93	1/2	3,540.12	1/2	3,219.75	1/2	2,888.98	1/2	2,557.52	1/2	2,226.01
3/4		3/4		3/4		3/4	4,132.68	3/4	3,840.67	3/4	3,533.57	3/4	3,212.92	3/4	2,882.08	3/4	2,550.61	3/4	2,219.10
4		4		4		4	4,126.73	4	3,834.41	4	3,527.03	4	3,206.10	4	2,875.17	4	2,543.70	4	2,212.19
1/4		1/4		1/4		1/4	4,120.79	1/4	3,828.15	1/4	3,520.48	1/4	3,199.27	1/4	2,868.27	1/4	2,536.80	1/4	2,205.29
1/2		1/2		1/2		1/2	4,114.84	1/2	3,821.89	1/2	3,513.94	1/2	3,192.45	1/2	2,861.36	1/2	2,529.89	1/2	2,198.38
3/4		3/4		3/4		3/4	4,108.87	3/4	3,815.60	3/4	3,507.37	3/4	3,185.59	3/4	2,854.46	3/4	2,522.99	3/4	2,191.47
5		5		5		5	4,102.90	5	3,809.32	5	3,500.80	5	3,178.74	5	2,847.55	5	2,516.08	5	2,184.57
1/4		1/4		1/4		1/4	4,096.93	1/4	3,803.03	1/4	3,494.24	1/4	3,171.89	1/4	2,840.65	1/4	2,509.18	1/4	2,177.66
1/2		1/2		1/2		1/2	4,090.96	1/2	3,796.74	1/2	3,487.67	1/2	3,165.03	1/2	2,833.74	1/2	2,502.27	1/2	2,170.75
3/4		3/4		3/4		3/4	4,084.96	3/4	3,790.43	3/4	3,481.07	3/4	3,158.16	3/4	2,826.83	3/4	2,495.37	3/4	2,163.85
6		6		6		6	4,078.97	6	3,784.13	6	3,474.48	6	3,151.29	6	2,819.93	6	2,488.46	6	2,156.94
1/4		1/4		1/4		1/4	4,072.97	1/4	3,777.82	1/4	3,467.88	1/4	3,144.41	1/4	2,813.02	1/4	2,481.55	1/4	2,150.03
1/2		1/2		1/2		1/2	4,066.97	1/2	3,771.51	1/2	3,461.29	1/2	3,137.54	1/2	2,806.12	1/2	2,474.65	1/2	2,143.13
3/4		3/4		3/4		3/4	4,060.96	3/4	3,765.17	3/4	3,454.67	3/4	3,130.65	3/4	2,799.21	3/4	2,467.74	3/4	2,136.22
7		7		7	4,354.30	7	4,054.94	7	3,758.83	7	3,448.06	7	3,123.75	7	2,792.31	7	2,460.84	7	2,129.31
1/4		1/4		1/4	4,349.12	1/4	4,048.92	1/4	3,752.49	1/4	3,441.44	1/4	3,116.86	1/4	2,785.40	1/4	2,453.93	1/4	2,122.41
1/2		1/2		1/2	4,343.93	1/2	4,042.90	1/2	3,746.16	1/2	3,434.83	1/2	3,109.96	1/2	2,778.49	1/2	2,447.03	1/2	2,115.50
3/4		3/4		3/4	4,337.03	3/4	4,036.86	3/4	3,739.80	3/4	3,428.19	3/4	3,103.06	3/4	2,771.59	3/4	2,440.12	3/4	2,108.59
8		8		8	4,330.12	8	4,030.81	8	3,733.44	8	3,421.55	8	3,096.15	8	2,764.68	8	2,433.21	8	2,101.69
1/4		1/4		1/4	4,323.21	1/4	4,024.77	1/4	3,727.08	1/4	3,414.92	1/4	3,089.25	1/4	2,757.78	1/4	2,426.31	1/4	2,094.78
1/2		1/2		1/2	4,316.31	1/2	4,018.72	1/2	3,720.73	1/2	3,408.28	1/2	3,082.34	1/2	2,750.87	1/2	2,419.40	1/2	2,087.87
3/4		3/4		3/4	4,309.40	3/4	4,012.65	3/4	3,714.35	3/4	3,401.61	3/4	3,075.44	3/4	2,743.97	3/4	2,412.49	3/4	2,080.97
9		9		9	4,302.49	9	4,006.59	9	3,707.97	9	3,394.95	9	3,068.53	9	2,737.06	9	2,405.59	9	2,074.06
1/4		1/4		1/4	4,295.59	1/4	4,000.52	1/4	3,701.59	1/4	3,388.28	1/4	3,061.62	1/4	2,730.16	1/4	2,398.68	1/4	2,067.15
1/2		1/2		1/2	4,288.68	1/2	3,994.46	1/2	3,695.21	1/2	3,381.62	1/2	3,054.72	1/2	2,723.25	1/2	2,391.77	1/2	2,060.25
3/4		3/4		3/4	4,281.77	3/4	3,988.37	3/4	3,688.81	3/4	3,374.93	3/4	3,047.81	3/4	2,716.34	3/4	2,384.86	3/4	2,053.34
10		10		10	4,274.87	10	3,982.29	10	3,682.40	10	3,368.25	10	3,040.91	10	2,709.44	10	2,377.96	10	2,046.43
1/4		1/4		1/4	4,267.96	1/4	3,976.20	1/4	3,675.99	1/4	3,361.56	1/4	3,034.00	1/4	2,702.53	1/4	2,371.05	1/4	2,039.52
1/2		1/2		1/2	4,261.05	1/2	3,970.11	1/2	3,669.58	1/2	3,354.88	1/2	3,027.10	1/2	2,695.63	1/2	2,364.14	1/2	2,032.62
3/4		3/4		3/4	4,254.15	3/4	3,964.00	3/4	3,663.16	3/4	3,348.17	3/4	3,020.19	3/4	2,688.72	3/4	2,357.24	3/4	2,025.71
11		11		11	4,247.24	11	3,957.88	11	3,656.73	11	3,341.47	11	3,013.29	11	2,681.82	11	2,350.33	11	2,018.80
1/4		1/4		1/4	4,240.33	1/4	3,951.77	1/4	3,650.30	1/4	3,334.76	1/4	3,006.38	1/4	2,674.91	1/4	2,343.42	1/4	2,011.90
1/2		1/2		1/2	4,233.43	1/2	3,945.65	1/2	3,643.88	1/2	3,328.05	1/2	2,999.47	1/2	2,668.01	1/2	2,336.52	1/2	2,004.99
3/4		3/4		3/4	4,227.53	3/4	3,939.52	3/4	3,637.43	3/4	3,321.32	3/4	2,992.57	3/4	2,661.10	3/4	2,329.61	3/4	1,998.08

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 12'-09" OFF CENTERLINE AND 37'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28135"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,991.18	0	1,659.65	0	1,328.12	0	996.89	0	681.29	0	387.07	0	116.43	0		0		0	
1/4	1,984.27	1/4	1,652.74	1/4	1,321.22	1/4	990.07	1/4	674.92	1/4	381.18	1/4	111.04	1/4		1/4		1/4	
1/2	1,977.36	1/2	1,645.84	1/2	1,314.31	1/2	983.24	1/2	668.54	1/2	375.30	1/2	105.65	1/2		1/2		1/2	
3/4	1,970.46	3/4	1,638.93	3/4	1,307.40	3/4	976.45	3/4	662.21	3/4	369.46	3/4	100.30	3/4		3/4		3/4	
1	1,963.55	1	1,632.02	1	1,300.50	1	969.66	1	655.87	1	363.61	1	94.95	1		1		1	
1/4	1,956.64	1/4	1,625.12	1/4	1,293.59	1/4	962.87	1/4	649.54	1/4	357.77	1/4	89.60	1/4		1/4		1/4	
1/2	1,949.74	1/2	1,618.21	1/2	1,286.68	1/2	956.08	1/2	643.20	1/2	351.92	1/2	84.25	1/2		1/2		1/2	
3/4	1,942.83	3/4	1,611.30	3/4	1,279.78	3/4	949.35	3/4	636.91	3/4	346.12	3/4	78.94	3/4		3/4		3/4	
2	1,935.92	2	1,604.40	2	1,272.87	2	942.62	2	630.62	2	340.32	2	73.64	2		2		2	
1/4	1,929.02	1/4	1,597.49	1/4	1,265.96	1/4	935.89	1/4	624.32	1/4	334.52	1/4	68.33	1/4		1/4		1/4	
1/2	1,922.11	1/2	1,590.58	1/2	1,259.06	1/2	929.16	1/2	618.03	1/2	328.72	1/2	63.03	1/2		1/2		1/2	
3/4	1,915.20	3/4	1,583.68	3/4	1,252.15	3/4	922.47	3/4	611.78	3/4	322.96	3/4	57.76	3/4		3/4		3/4	
3	1,908.30	3	1,576.77	3	1,245.24	3	915.78	3	605.52	3	317.20	3	52.49	3		3		3	
1/4	1,901.39	1/4	1,569.86	1/4	1,238.34	1/4	909.09	1/4	599.27	1/4	311.43	1/4	47.22	1/4		1/4		1/4	
1/2	1,894.48	1/2	1,562.96	1/2	1,231.43	1/2	902.40	1/2	593.02	1/2	305.67	1/2	41.95	1/2		1/2		1/2	
3/4	1,887.58	3/4	1,556.05	3/4	1,224.52	3/4	895.75	3/4	586.81	3/4	299.95	3/4	37.59	3/4		3/4		3/4	
4	1,880.67	4	1,549.14	4	1,217.62	4	889.10	4	580.59	4	294.23	4	33.24	4		4		4	
1/4	1,873.76	1/4	1,542.24	1/4	1,210.71	1/4	882.45	1/4	574.38	1/4	288.51	1/4	28.88	1/4		1/4		1/4	
1/2	1,866.85	1/2	1,535.33	1/2	1,203.80	1/2	875.80	1/2	568.17	1/2	282.80	1/2	24.52	1/2		1/2		1/2	
3/4	1,859.95	3/4	1,528.42	3/4	1,196.90	3/4	869.19	3/4	562.00	3/4	277.12	3/4	21.92	3/4		3/4		3/4	
5	1,853.04	5	1,521.51	5	1,189.99	5	862.59	5	555.83	5	271.44	5	19.33	5		5		5	
1/4	1,846.13	1/4	1,514.61	1/4	1,183.08	1/4	855.98	1/4	549.66	1/4	265.76	1/4	16.73	1/4		1/4		1/4	
1/2	1,839.23	1/2	1,507.70	1/2	1,176.17	1/2	849.37	1/2	543.49	1/2	260.07	1/2	14.14	1/2		1/2		1/2	
3/4	1,832.32	3/4	1,500.79	3/4	1,169.27	3/4	842.80	3/4	537.36	3/4	254.44	3/4		3/4		3/4		3/4	
6	1,825.41	6	1,493.89	6	1,162.36	6	836.24	6	531.23	6	248.80	6		6		6		6	
1/4	1,818.51	1/4	1,486.98	1/4	1,155.45	1/4	829.67	1/4	525.10	1/4	243.17	1/4		1/4		1/4		1/4	
1/2	1,811.60	1/2	1,480.07	1/2	1,148.55	1/2	823.10	1/2	518.97	1/2	237.53	1/2		1/2		1/2		1/2	
3/4	1,804.69	3/4	1,473.17	3/4	1,141.64	3/4	816.58	3/4	512.88	3/4	231.93	3/4		3/4		3/4		3/4	
7	1,797.79	7	1,466.26	7	1,134.73	7	810.05	7	506.79	7	226.33	7		7		7		7	
1/4	1,790.88	1/4	1,459.35	1/4	1,127.83	1/4	803.52	1/4	500.70	1/4	220.73	1/4		1/4		1/4		1/4	
1/2	1,783.97	1/2	1,452.45	1/2	1,120.92	1/2	797.00	1/2	494.61	1/2	215.13	1/2		1/2		1/2		1/2	
3/4	1,777.07	3/4	1,445.54	3/4	1,114.01	3/4	790.51	3/4	488.57	3/4	209.58	3/4		3/4		3/4		3/4	
8	1,770.16	8	1,438.63	8	1,107.11	8	784.03	8	482.52	8	204.02	8		8		8		8	
1/4	1,763.25	1/4	1,431.73	1/4	1,100.20	1/4	777.54	1/4	476.47	1/4	198.47	1/4		1/4		1/4		1/4	
1/2	1,756.35	1/2	1,424.82	1/2	1,093.29	1/2	771.06	1/2	470.42	1/2	192.92	1/2		1/2		1/2		1/2	
3/4	1,749.44	3/4	1,417.91	3/4	1,086.39	3/4	764.61	3/4	464.42	3/4	187.40	3/4		3/4		3/4		3/4	
9	1,742.53	9	1,411.01	9	1,079.48	9	758.17	9	458.41	9	181.88	9		9		9		9	
1/4	1,735.63	1/4	1,404.10	1/4	1,072.58	1/4	751.72	1/4	452.40	1/4	176.36	1/4		1/4		1/4		1/4	
1/2	1,728.72	1/2	1,397.19	1/2	1,065.67	1/2	745.28	1/2	446.39	1/2	170.85	1/2		1/2		1/2		1/2	
3/4	1,721.81	3/4	1,390.29	3/4	1,058.77	3/4	738.86	3/4	440.43	3/4	165.37	3/4		3/4		3/4		3/4	
10	1,714.91	10	1,383.38	10	1,051.87	10	732.44	10	434.46	10	159.90	10		10		10		10	
1/4	1,708.00	1/4	1,376.47	1/4	1,044.98	1/4	726.01	1/4	428.50	1/4	154.43	1/4		1/4		1/4		1/4	
1/2	1,701.09	1/2	1,369.57	1/2	1,038.08	1/2	719.59	1/2	422.53	1/2	148.96	1/2		1/2		1/2		1/2	
3/4	1,694.18	3/4	1,362.66	3/4	1,031.20	3/4	713.21	3/4	416.61	3/4	143.52	3/4		3/4		3/4		3/4	
11	1,687.28	11	1,355.75	11	1,024.32	11	706.82	11	410.68	11	138.08	11		11		11		11	
1/4	1,680.37	1/4	1,348.84	1/4	1,017.43	1/4	700.43	1/4	404.76	1/4	132.65	1/4		1/4		1/4		1/4	
1/2	1,673.46	1/2	1,341.94	1/2	1,010.55	1/2	694.04	1/2	398.83	1/2	127.21	1/2		1/2		1/2		1/2	
3/4	1,666.56	3/4	1,335.03	3/4	1,003.72	3/4	687.67	3/4	392.95	3/4	121.82	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/30/2009 CL - SW
CALCULATED: 10/30/2009 CL
PRINTED: 10/30/2009 CL

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2009



BARGE "KIRBY 28135"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

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	5,113.35	0	4,777.04	0	4,423.59	0	4,053.32	0	3,668.38	0	3,280.47	0	2,892.52
1/4		1/4		1/4		1/4	5,106.45	1/4	4,769.89	1/4	4,416.04	1/4	4,045.44	1/4	3,660.30	1/4	3,272.39	1/4	2,884.43
1/2		1/2		1/2		1/2	5,099.56	1/2	4,762.75	1/2	4,408.49	1/2	4,037.56	1/2	3,652.22	1/2	3,264.31	1/2	2,876.35
3/4		3/4		3/4		3/4	5,092.64	3/4	4,755.57	3/4	4,400.91	3/4	4,029.65	3/4	3,644.14	3/4	3,256.23	3/4	2,868.26
1		1		1		1	5,085.72	1	4,748.40	1	4,393.34	1	4,021.75	1	3,636.06	1	3,248.14	1	2,860.18
1/4		1/4		1/4		1/4	5,078.80	1/4	4,741.22	1/4	4,385.76	1/4	4,013.84	1/4	3,627.97	1/4	3,240.06	1/4	2,852.10
1/2		1/2		1/2		1/2	5,071.88	1/2	4,734.05	1/2	4,378.18	1/2	4,005.94	1/2	3,619.89	1/2	3,231.98	1/2	2,844.01
3/4		3/4		3/4		3/4	5,064.93	3/4	4,726.85	3/4	4,370.58	3/4	3,998.00	3/4	3,611.81	3/4	3,223.90	3/4	2,835.93
2		2		2		2	5,057.99	2	4,719.64	2	4,362.97	2	3,990.06	2	3,603.73	2	3,215.82	2	2,827.84
1/4		1/4		1/4		1/4	5,051.04	1/4	4,712.44	1/4	4,355.37	1/4	3,982.12	1/4	3,595.65	1/4	3,207.74	1/4	2,819.76
1/2		1/2		1/2		1/2	5,044.10	1/2	4,705.23	1/2	4,347.77	1/2	3,974.18	1/2	3,587.57	1/2	3,199.66	1/2	2,811.68
3/4		3/4		3/4		3/4	5,037.12	3/4	4,698.00	3/4	4,340.14	3/4	3,966.22	3/4	3,579.49	3/4	3,191.57	3/4	2,803.59
3		3		3		3	5,030.14	3	4,690.77	3	4,332.51	3	3,958.25	3	3,571.40	3	3,183.49	3	2,795.51
1/4		1/4		1/4		1/4	5,023.17	1/4	4,683.54	1/4	4,324.88	1/4	3,950.29	1/4	3,563.32	1/4	3,175.41	1/4	2,787.42
1/2		1/2		1/2		1/2	5,016.19	1/2	4,676.31	1/2	4,317.25	1/2	3,942.33	1/2	3,555.24	1/2	3,167.33	1/2	2,779.34
3/4		3/4		3/4		3/4	5,009.26	3/4	4,668.98	3/4	4,309.59	3/4	3,934.34	3/4	3,547.16	3/4	3,159.25	3/4	2,771.26
4		4		4		4	5,002.33	4	4,661.66	4	4,301.93	4	3,926.36	4	3,539.08	4	3,151.17	4	2,763.17
1/4		1/4		1/4		1/4	4,995.40	1/4	4,654.33	1/4	4,294.27	1/4	3,918.37	1/4	3,531.00	1/4	3,143.08	1/4	2,755.09
1/2		1/2		1/2		1/2	4,988.47	1/2	4,647.00	1/2	4,286.61	1/2	3,910.38	1/2	3,522.92	1/2	3,135.00	1/2	2,747.00
3/4		3/4		3/4		3/4	4,981.51	3/4	4,639.65	3/4	4,278.93	3/4	3,902.36	3/4	3,514.83	3/4	3,126.92	3/4	2,738.92
5		5		5		5	4,974.56	5	4,632.29	5	4,271.24	5	3,894.34	5	3,506.75	5	3,118.84	5	2,730.84
1/4		1/4		1/4		1/4	4,967.60	1/4	4,624.93	1/4	4,263.56	1/4	3,886.32	1/4	3,498.67	1/4	3,110.76	1/4	2,722.75
1/2		1/2		1/2		1/2	4,960.64	1/2	4,617.57	1/2	4,255.87	1/2	3,878.30	1/2	3,490.59	1/2	3,102.68	1/2	2,714.67
3/4		3/4		3/4		3/4	4,953.66	3/4	4,610.19	3/4	4,248.16	3/4	3,870.26	3/4	3,482.51	3/4	3,094.60	3/4	2,706.59
6		6		6		6	4,946.67	6	4,602.81	6	4,240.44	6	3,862.21	6	3,474.43	6	3,086.51	6	2,698.50
1/4		1/4		1/4		1/4	4,939.68	1/4	4,595.42	1/4	4,232.72	1/4	3,854.17	1/4	3,466.34	1/4	3,078.43	1/4	2,690.42
1/2		1/2		1/2		1/2	4,932.70	1/2	4,588.04	1/2	4,225.00	1/2	3,846.13	1/2	3,458.26	1/2	3,070.35	1/2	2,682.33
3/4		3/4		3/4		3/4	4,925.68	3/4	4,580.62	3/4	4,217.26	3/4	3,838.06	3/4	3,450.18	3/4	3,062.27	3/4	2,674.25
7		7		7	5,268.61	7	4,918.67	7	4,573.21	7	4,209.52	7	3,829.99	7	3,442.10	7	3,054.19	7	2,666.17
1/4		1/4		1/4	5,262.55	1/4	4,911.66	1/4	4,565.79	1/4	4,201.77	1/4	3,821.92	1/4	3,434.02	1/4	3,046.11	1/4	2,658.08
1/2		1/2		1/2	5,256.48	1/2	4,904.65	1/2	4,558.37	1/2	4,194.03	1/2	3,813.85	1/2	3,425.94	1/2	3,038.03	1/2	2,650.00
3/4		3/4		3/4	5,248.40	3/4	4,897.60	3/4	4,550.93	3/4	4,186.27	3/4	3,805.77	3/4	3,417.86	3/4	3,029.94	3/4	2,641.91
8		8		8	5,240.32	8	4,890.56	8	4,543.49	8	4,178.50	8	3,797.69	8	3,409.77	8	3,021.86	8	2,633.83
1/4		1/4		1/4	5,232.23	1/4	4,883.51	1/4	4,536.05	1/4	4,170.73	1/4	3,789.60	1/4	3,401.69	1/4	3,013.77	1/4	2,625.75
1/2		1/2		1/2	5,224.15	1/2	4,876.47	1/2	4,528.61	1/2	4,162.97	1/2	3,781.52	1/2	3,393.61	1/2	3,005.69	1/2	2,617.66
3/4		3/4		3/4	5,216.06	3/4	4,869.40	3/4	4,521.15	3/4	4,155.17	3/4	3,773.44	3/4	3,385.53	3/4	2,997.61	3/4	2,609.58
9		9		9	5,207.98	9	4,862.34	9	4,513.68	9	4,147.37	9	3,765.36	9	3,377.45	9	2,989.52	9	2,601.49
1/4		1/4		1/4	5,199.90	1/4	4,855.27	1/4	4,506.22	1/4	4,139.57	1/4	3,757.28	1/4	3,369.37	1/4	2,981.44	1/4	2,593.41
1/2		1/2		1/2	5,191.81	1/2	4,848.20	1/2	4,498.75	1/2	4,131.77	1/2	3,749.20	1/2	3,361.29	1/2	2,973.35	1/2	2,585.33
3/4		3/4		3/4	5,183.73	3/4	4,841.11	3/4	4,491.26	3/4	4,123.94	3/4	3,741.12	3/4	3,353.20	3/4	2,965.27	3/4	2,577.24
10		10		10	5,175.64	10	4,834.02	10	4,483.76	10	4,116.12	10	3,733.03	10	3,345.12	10	2,957.19	10	2,569.16
1/4		1/4		1/4	5,167.56	1/4	4,826.93	1/4	4,476.26	1/4	4,108.30	1/4	3,724.95	1/4	3,337.04	1/4	2,949.10	1/4	2,561.08
1/2		1/2		1/2	5,159.48	1/2	4,819.84	1/2	4,468.76	1/2	4,100.47	1/2	3,716.87	1/2	3,328.96	1/2	2,941.02	1/2	2,552.99
3/4		3/4		3/4	5,151.39	3/4	4,812.71	3/4	4,461.24	3/4	4,092.63	3/4	3,708.79	3/4	3,320.88	3/4	2,932.93	3/4	2,544.91
11		11		11	5,143.31	11	4,805.59	11	4,453.72	11	4,084.78	11	3,700.71	11	3,312.80	11	2,924.85	11	2,536.82
1/4		1/4		1/4	5,135.22	1/4	4,798.46	1/4	4,446.20	1/4	4,076.93	1/4	3,692.63	1/4	3,304.71	1/4	2,916.77	1/4	2,528.74
1/2		1/2		1/2	5,127.14	1/2	4,791.34	1/2	4,438.68	1/2	4,069.08	1/2	3,684.55	1/2	3,296.63	1/2	2,908.68	1/2	2,520.66
3/4		3/4		3/4	5,120.24	3/4	4,784.19	3/4	4,431.13	3/4	4,061.20	3/4	3,676.46	3/4	3,288.55	3/4	2,900.60	3/4	2,512.57

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 12'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
 http://www.pmacorp.net



BARGE "KIRBY 28135"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,504.49	0	2,116.46	0	1,728.43	0	1,340.41	0	952.38	0	565.20	0	177.59	0		0		0	
1/4	2,496.40	1/4	2,108.38	1/4	1,720.35	1/4	1,332.32	1/4	944.30	1/4	557.12	1/4	169.51	1/4		1/4		1/4	
1/2	2,488.32	1/2	2,100.29	1/2	1,712.27	1/2	1,324.24	1/2	936.21	1/2	549.05	1/2	161.44	1/2		1/2		1/2	
3/4	2,480.24	3/4	2,092.21	3/4	1,704.18	3/4	1,316.15	3/4	928.13	3/4	540.97	3/4	153.36	3/4		3/4		3/4	
1	2,472.15	1	2,084.13	1	1,696.10	1	1,308.07	1	920.04	1	532.90	1	145.29	1		1		1	
1/4	2,464.07	1/4	2,076.04	1/4	1,688.01	1/4	1,299.99	1/4	911.96	1/4	524.82	1/4	137.21	1/4		1/4		1/4	
1/2	2,455.98	1/2	2,067.96	1/2	1,679.93	1/2	1,291.90	1/2	903.88	1/2	516.75	1/2	129.14	1/2		1/2		1/2	
3/4	2,447.90	3/4	2,059.87	3/4	1,671.85	3/4	1,283.82	3/4	895.80	3/4	508.67	3/4	121.06	3/4		3/4		3/4	
2	2,439.82	2	2,051.79	2	1,663.76	2	1,275.74	2	887.73	2	500.60	2	112.99	2		2		2	
1/4	2,431.73	1/4	2,043.71	1/4	1,655.68	1/4	1,267.65	1/4	879.66	1/4	492.52	1/4	104.91	1/4		1/4		1/4	
1/2	2,423.65	1/2	2,035.62	1/2	1,647.59	1/2	1,259.57	1/2	871.59	1/2	484.45	1/2	96.84	1/2		1/2		1/2	
3/4	2,415.56	3/4	2,027.54	3/4	1,639.51	3/4	1,251.48	3/4	863.53	3/4	476.37	3/4	88.76	3/4		3/4		3/4	
3	2,407.48	3	2,019.45	3	1,631.43	3	1,243.40	3	855.47	3	468.30	3	80.69	3		3		3	
1/4	2,399.40	1/4	2,011.37	1/4	1,623.34	1/4	1,235.32	1/4	847.41	1/4	460.22	1/4	72.61	1/4		1/4		1/4	
1/2	2,391.31	1/2	2,003.29	1/2	1,615.26	1/2	1,227.23	1/2	839.35	1/2	452.15	1/2	64.54	1/2		1/2		1/2	
3/4	2,383.23	3/4	1,995.20	3/4	1,607.17	3/4	1,219.15	3/4	831.29	3/4	444.07	3/4	57.47	3/4		3/4		3/4	
4	2,375.15	4	1,987.12	4	1,599.09	4	1,211.06	4	823.23	4	436.00	4	50.40	4		4		4	
1/4	2,367.06	1/4	1,979.03	1/4	1,591.01	1/4	1,202.98	1/4	815.17	1/4	427.92	1/4	43.34	1/4		1/4		1/4	
1/2	2,358.98	1/2	1,970.95	1/2	1,582.92	1/2	1,194.90	1/2	807.11	1/2	419.84	1/2	36.27	1/2		1/2		1/2	
3/4	2,350.89	3/4	1,962.87	3/4	1,574.84	3/4	1,186.81	3/4	799.05	3/4	411.77	3/4	31.23	3/4		3/4		3/4	
5	2,342.81	5	1,954.78	5	1,566.76	5	1,178.73	5	790.99	5	403.69	5	26.19	5		5		5	
1/4	2,334.73	1/4	1,946.70	1/4	1,558.67	1/4	1,170.64	1/4	782.93	1/4	395.62	1/4	21.14	1/4		1/4		1/4	
1/2	2,326.64	1/2	1,938.61	1/2	1,550.59	1/2	1,162.56	1/2	774.88	1/2	387.54	1/2	16.10	1/2		1/2		1/2	
3/4	2,318.56	3/4	1,930.53	3/4	1,542.50	3/4	1,154.48	3/4	766.82	3/4	379.47	3/4		3/4		3/4		3/4	
6	2,310.47	6	1,922.45	6	1,534.42	6	1,146.39	6	758.76	6	371.39	6		6		6		6	
1/4	2,302.39	1/4	1,914.36	1/4	1,526.34	1/4	1,138.31	1/4	750.70	1/4	363.32	1/4		1/4		1/4		1/4	
1/2	2,294.31	1/2	1,906.28	1/2	1,518.25	1/2	1,130.22	1/2	742.64	1/2	355.24	1/2		1/2		1/2		1/2	
3/4	2,286.22	3/4	1,898.20	3/4	1,510.17	3/4	1,122.14	3/4	734.58	3/4	347.17	3/4		3/4		3/4		3/4	
7	2,278.14	7	1,890.11	7	1,502.08	7	1,114.06	7	726.52	7	339.09	7		7		7		7	
1/4	2,270.05	1/4	1,882.03	1/4	1,494.00	1/4	1,105.97	1/4	718.46	1/4	331.02	1/4		1/4		1/4		1/4	
1/2	2,261.97	1/2	1,873.94	1/2	1,485.92	1/2	1,097.89	1/2	710.40	1/2	322.94	1/2		1/2		1/2		1/2	
3/4	2,253.89	3/4	1,865.86	3/4	1,477.83	3/4	1,089.81	3/4	702.34	3/4	314.87	3/4		3/4		3/4		3/4	
8	2,245.80	8	1,857.78	8	1,469.75	8	1,081.72	8	694.28	8	306.79	8		8		8		8	
1/4	2,237.72	1/4	1,849.69	1/4	1,461.66	1/4	1,073.64	1/4	686.22	1/4	298.72	1/4		1/4		1/4		1/4	
1/2	2,229.64	1/2	1,841.61	1/2	1,453.58	1/2	1,065.55	1/2	678.16	1/2	290.64	1/2		1/2		1/2		1/2	
3/4	2,221.55	3/4	1,833.52	3/4	1,445.50	3/4	1,057.47	3/4	670.10	3/4	282.57	3/4		3/4		3/4		3/4	
9	2,213.47	9	1,825.44	9	1,437.41	9	1,049.39	9	662.04	9	274.49	9		9		9		9	
1/4	2,205.38	1/4	1,817.36	1/4	1,429.33	1/4	1,041.30	1/4	653.98	1/4	266.42	1/4		1/4		1/4		1/4	
1/2	2,197.30	1/2	1,809.27	1/2	1,421.25	1/2	1,033.22	1/2	645.92	1/2	258.34	1/2		1/2		1/2		1/2	
3/4	2,189.22	3/4	1,801.19	3/4	1,413.16	3/4	1,025.13	3/4	637.85	3/4	250.27	3/4		3/4		3/4		3/4	
10	2,181.13	10	1,793.10	10	1,405.08	10	1,017.05	10	629.79	10	242.19	10		10		10		10	
1/4	2,173.05	1/4	1,785.02	1/4	1,396.99	1/4	1,008.97	1/4	621.72	1/4	234.12	1/4		1/4		1/4		1/4	
1/2	2,164.96	1/2	1,776.94	1/2	1,388.91	1/2	1,000.88	1/2	613.65	1/2	226.04	1/2		1/2		1/2		1/2	
3/4	2,156.88	3/4	1,768.85	3/4	1,380.83	3/4	992.80	3/4	605.57	3/4	217.96	3/4		3/4		3/4		3/4	
11	2,148.80	11	1,760.77	11	1,372.74	11	984.71	11	597.50	11	209.89	11		11		11		11	
1/4	2,140.71	1/4	1,752.69	1/4	1,364.66	1/4	976.63	1/4	589.42	1/4	201.81	1/4		1/4		1/4		1/4	
1/2	2,132.63	1/2	1,744.60	1/2	1,356.57	1/2	968.55	1/2	581.35	1/2	193.74	1/2		1/2		1/2		1/2	
3/4	2,124.54	3/4	1,736.52	3/4	1,348.49	3/4	960.46	3/4	573.27	3/4	185.66	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/30/2009 CL - SW
CALCULATED: 10/30/2009 CL
PRINTED: 10/30/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2009

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



BARGE "KIRBY 28135"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	5,091.84	0	4,755.32	0	4,401.51	0	4,030.95	0	3,645.87	0	3,258.01	0	2,870.11		
1/4		1/4		1/4		1/4	5,084.95	1/4	4,748.17	1/4	4,393.96	1/4	4,023.07	1/4	3,637.79	1/4	3,249.93	1/4	2,862.03		
1/2		1/2		1/2		1/2	5,078.03	1/2	4,741.00	1/2	4,386.38	1/2	4,015.17	1/2	3,629.71	1/2	3,241.85	1/2	2,853.94		
3/4		3/4		3/4		3/4	5,071.11	3/4	4,733.83	3/4	4,378.80	3/4	4,007.27	3/4	3,621.63	3/4	3,233.77	3/4	2,845.86		
1		1		1		1	5,064.19	1	4,726.65	1	4,371.23	1	3,999.36	1	3,613.55	1	3,225.69	1	2,837.78		
1/4		1/4		1/4		1/4	5,057.27	1/4	4,719.48	1/4	4,363.65	1/4	3,991.46	1/4	3,605.47	1/4	3,217.61	1/4	2,829.70		
1/2		1/2		1/2		1/2	5,050.33	1/2	4,712.27	1/2	4,356.05	1/2	3,983.52	1/2	3,597.39	1/2	3,209.53	1/2	2,821.61		
3/4		3/4		3/4		3/4	5,043.38	3/4	4,705.07	3/4	4,348.45	3/4	3,975.58	3/4	3,589.31	3/4	3,201.45	3/4	2,813.53		
2		2		2		2	5,036.44	2	4,697.87	2	4,340.84	2	3,967.64	2	3,581.23	2	3,193.37	2	2,805.45		
1/4		1/4		1/4		1/4	5,029.49	1/4	4,690.66	1/4	4,333.24	1/4	3,959.70	1/4	3,573.15	1/4	3,185.29	1/4	2,797.36		
1/2		1/2		1/2		1/2	5,022.52	1/2	4,683.43	1/2	4,325.61	1/2	3,951.74	1/2	3,565.07	1/2	3,177.21	1/2	2,789.28		
3/4		3/4		3/4		3/4	5,015.54	3/4	4,676.20	3/4	4,317.99	3/4	3,943.78	3/4	3,556.99	3/4	3,169.13	3/4	2,781.20		
3		3		3		3	5,008.57	3	4,668.97	3	4,310.36	3	3,935.82	3	3,548.91	3	3,161.05	3	2,773.12		
1/4		1/4		1/4		1/4	5,001.59	1/4	4,661.74	1/4	4,302.73	1/4	3,927.86	1/4	3,540.83	1/4	3,152.97	1/4	2,765.03		
1/2		1/2		1/2		1/2	4,994.66	1/2	4,654.42	1/2	4,295.07	1/2	3,919.87	1/2	3,532.75	1/2	3,144.89	1/2	2,756.95		
3/4		3/4		3/4		3/4	4,987.73	3/4	4,647.09	3/4	4,287.41	3/4	3,911.89	3/4	3,524.67	3/4	3,136.81	3/4	2,748.87		
4		4		4		4	4,980.80	4	4,639.77	4	4,279.76	4	3,903.90	4	3,516.58	4	3,128.73	4	2,740.79		
1/4		1/4		1/4		1/4	4,973.87	1/4	4,632.44	1/4	4,272.10	1/4	3,895.92	1/4	3,508.50	1/4	3,120.65	1/4	2,732.70		
1/2		1/2		1/2		1/2	4,966.91	1/2	4,625.08	1/2	4,264.41	1/2	3,887.90	1/2	3,500.42	1/2	3,112.56	1/2	2,724.62		
3/4		3/4		3/4		3/4	4,959.96	3/4	4,617.73	3/4	4,256.73	3/4	3,879.88	3/4	3,492.34	3/4	3,104.48	3/4	2,716.54		
5		5		5		5	4,953.00	5	4,610.37	5	4,249.05	5	3,871.86	5	3,484.26	5	3,096.40	5	2,708.46		
1/4		1/4		1/4		1/4	4,946.05	1/4	4,603.01	1/4	4,241.36	1/4	3,863.84	1/4	3,476.18	1/4	3,088.32	1/4	2,700.37		
1/2		1/2		1/2		1/2	4,939.06	1/2	4,595.63	1/2	4,233.64	1/2	3,855.80	1/2	3,468.10	1/2	3,080.24	1/2	2,692.29		
3/4		3/4		3/4		3/4	4,932.08	3/4	4,588.25	3/4	4,225.93	3/4	3,847.75	3/4	3,460.02	3/4	3,072.16	3/4	2,684.21		
6		6		6		6	4,925.09	6	4,580.87	6	4,218.21	6	3,839.71	6	3,451.94	6	3,064.08	6	2,676.12		
1/4		1/4		1/4		1/4	4,918.10	1/4	4,573.49	1/4	4,210.49	1/4	3,831.67	1/4	3,443.86	1/4	3,056.00	1/4	2,668.04		
1/2		1/2		1/2		1/2	4,911.09	1/2	4,566.07	1/2	4,202.75	1/2	3,823.60	1/2	3,435.78	1/2	3,047.92	1/2	2,659.96		
3/4		3/4		3/4		3/4	5,253.98	3/4	4,904.08	3/4	4,558.65	3/4	4,195.01	3/4	3,815.53	3/4	3,427.70	3/4	3,039.84	3/4	2,651.88
7		7		7		7	5,247.92	7	4,897.07	7	4,551.24	7	4,187.27	7	3,807.47	7	3,419.62	7	3,031.76	7	2,643.79
1/4		1/4		1/4		1/4	5,241.85	1/4	4,890.06	1/4	4,543.82	1/4	4,179.53	1/4	3,799.40	1/4	3,411.54	1/4	3,023.68	1/4	2,635.71
1/2		1/2		1/2		1/2	5,233.77	1/2	4,883.01	1/2	4,536.38	1/2	4,171.76	1/2	3,791.32	1/2	3,403.46	1/2	3,015.60	1/2	2,627.63
3/4		3/4		3/4		3/4	5,225.69	3/4	4,875.97	3/4	4,528.94	3/4	4,164.00	3/4	3,783.24	3/4	3,395.38	3/4	3,007.52	3/4	2,619.55
8		8		8		8	5,217.61	8	4,868.93	8	4,521.51	8	4,156.23	8	3,775.16	8	3,387.30	8	2,999.43	8	2,611.46
1/4		1/4		1/4		1/4	5,209.52	1/4	4,861.88	1/4	4,514.07	1/4	4,148.46	1/4	3,767.08	1/4	3,379.22	1/4	2,991.35	1/4	2,603.38
1/2		1/2		1/2		1/2	5,201.44	1/2	4,854.82	1/2	4,506.60	1/2	4,140.67	1/2	3,759.00	1/2	3,371.14	1/2	2,983.27	1/2	2,595.30
3/4		3/4		3/4		3/4	5,193.36	3/4	4,847.75	3/4	4,499.14	3/4	4,132.87	3/4	3,750.92	3/4	3,363.06	3/4	2,975.18	3/4	2,587.21
9		9		9		9	5,185.28	9	4,840.69	9	4,491.68	9	4,125.07	9	3,742.84	9	3,354.98	9	2,967.10	9	2,579.13
1/4		1/4		1/4		1/4	5,177.19	1/4	4,833.62	1/4	4,484.21	1/4	4,117.27	1/4	3,734.76	1/4	3,346.90	1/4	2,959.02	1/4	2,571.05
1/2		1/2		1/2		1/2	5,169.11	1/2	4,826.53	1/2	4,476.71	1/2	4,109.45	1/2	3,726.68	1/2	3,338.82	1/2	2,950.94	1/2	2,562.97
3/4		3/4		3/4		3/4	5,161.03	3/4	4,819.44	3/4	4,469.22	3/4	4,101.63	3/4	3,718.59	3/4	3,330.74	3/4	2,942.85	3/4	2,554.88
10		10		10		10	5,152.94	10	4,812.35	10	4,461.72	10	4,093.80	10	3,710.51	10	3,322.66	10	2,934.77	10	2,546.80
1/4		1/4		1/4		1/4	5,144.86	1/4	4,805.26	1/4	4,454.22	1/4	4,085.98	1/4	3,702.43	1/4	3,314.57	1/4	2,926.69	1/4	2,538.72
1/2		1/2		1/2		1/2	5,136.78	1/2	4,798.13	1/2	4,446.70	1/2	4,078.13	1/2	3,694.35	1/2	3,306.49	1/2	2,918.61	1/2	2,530.64
3/4		3/4		3/4		3/4	5,128.70	3/4	4,791.01	3/4	4,439.18	3/4	4,070.29	3/4	3,686.27	3/4	3,298.41	3/4	2,910.52	3/4	2,522.55
11		11		11		11	5,120.61	11	4,783.88	11	4,431.66	11	4,062.44	11	3,678.19	11	3,290.33	11	2,902.44	11	2,514.47
1/4		1/4		1/4		1/4	5,112.53	1/4	4,776.76	1/4	4,424.14	1/4	4,054.59	1/4	3,670.11	1/4	3,282.25	1/4	2,894.36	1/4	2,506.39
1/2		1/2		1/2		1/2	5,105.64	1/2	4,769.61	1/2	4,416.60	1/2	4,046.71	1/2	3,662.03	1/2	3,274.17	1/2	2,886.27	1/2	2,498.31
3/4		3/4		3/4		3/4	5,098.74	3/4	4,762.47	3/4	4,409.05	3/4	4,038.83	3/4	3,653.95	3/4	3,266.09	3/4	2,878.19	3/4	2,490.22

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 12'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28135"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,482.14	0	2,094.17	0	1,706.20	0	1,318.23	0	930.72	0	557.81	0	170.04	0		0		0	
1/4	2,474.06	1/4	2,086.09	1/4	1,698.12	1/4	1,310.15	1/4	922.79	1/4	549.88	1/4	161.95	1/4		1/4		1/4	
1/2	2,465.97	1/2	2,078.00	1/2	1,690.04	1/2	1,302.07	1/2	915.01	1/2	541.80	1/2	153.87	1/2		1/2		1/2	
3/4	2,457.89	3/4	2,069.92	3/4	1,681.95	3/4	1,293.98	3/4	907.24	3/4	533.72	3/4	145.79	3/4		3/4		3/4	
1	2,449.81	1	2,061.84	1	1,673.87	1	1,285.90	1	899.47	1	525.63	1	137.71	1		1		1	
1/4	2,441.73	1/4	2,053.76	1/4	1,665.79	1/4	1,277.82	1/4	891.69	1/4	517.55	1/4	129.63	1/4		1/4		1/4	
1/2	2,433.64	1/2	2,045.67	1/2	1,657.70	1/2	1,269.73	1/2	883.93	1/2	509.47	1/2	121.54	1/2		1/2		1/2	
3/4	2,425.56	3/4	2,037.59	3/4	1,649.62	3/4	1,261.65	3/4	876.18	3/4	501.39	3/4	113.46	3/4		3/4		3/4	
2	2,417.48	2	2,029.51	2	1,641.54	2	1,253.57	2	868.42	2	493.31	2	105.38	2		2		2	
1/4	2,409.40	1/4	2,021.43	1/4	1,633.46	1/4	1,245.49	1/4	860.66	1/4	485.23	1/4	97.30	1/4		1/4		1/4	
1/2	2,401.31	1/2	2,013.34	1/2	1,625.37	1/2	1,237.40	1/2	852.91	1/2	477.14	1/2	89.22	1/2		1/2		1/2	
3/4	2,393.23	3/4	2,005.26	3/4	1,617.29	3/4	1,229.32	3/4	845.16	3/4	469.06	3/4	81.14	3/4		3/4		3/4	
3	2,385.15	3	1,997.18	3	1,609.21	3	1,221.24	3	837.41	3	460.98	3	73.05	3		3		3	
1/4	2,377.06	1/4	1,989.09	1/4	1,601.13	1/4	1,213.16	1/4	829.66	1/4	452.90	1/4	64.97	1/4		1/4		1/4	
1/2	2,368.98	1/2	1,981.01	1/2	1,593.04	1/2	1,205.07	1/2	821.91	1/2	444.82	1/2	57.90	1/2		1/2		1/2	
3/4	2,360.90	3/4	1,972.93	3/4	1,584.96	3/4	1,196.99	3/4	814.16	3/4	436.73	3/4	50.83	3/4		3/4		3/4	
4	2,352.82	4	1,964.85	4	1,576.88	4	1,188.91	4	806.41	4	428.65	4	43.75	4		4		4	
1/4	2,344.73	1/4	1,956.76	1/4	1,568.79	1/4	1,180.82	1/4	798.67	1/4	420.57	1/4	36.68	1/4		1/4		1/4	
1/2	2,336.65	1/2	1,948.68	1/2	1,560.71	1/2	1,172.74	1/2	790.92	1/2	412.49	1/2	31.63	1/2		1/2		1/2	
3/4	2,328.57	3/4	1,940.60	3/4	1,552.63	3/4	1,164.66	3/4	783.17	3/4	404.41	3/4	26.58	3/4		3/4		3/4	
5	2,320.49	5	1,932.52	5	1,544.55	5	1,156.58	5	775.42	5	396.33	5	21.53	5		5		5	
1/4	2,312.40	1/4	1,924.43	1/4	1,536.46	1/4	1,148.49	1/4	767.67	1/4	388.24	1/4	16.47	1/4		1/4		1/4	
1/2	2,304.32	1/2	1,916.35	1/2	1,528.38	1/2	1,140.41	1/2	759.92	1/2	380.16	1/2		1/2		1/2		1/2	
3/4	2,296.24	3/4	1,908.27	3/4	1,520.30	3/4	1,132.33	3/4	752.17	3/4	372.08	3/4		3/4		3/4		3/4	
6	2,288.15	6	1,900.19	6	1,512.22	6	1,124.25	6	744.42	6	364.00	6		6		6		6	
1/4	2,280.07	1/4	1,892.10	1/4	1,504.13	1/4	1,116.16	1/4	736.67	1/4	355.92	1/4		1/4		1/4		1/4	
1/2	2,271.99	1/2	1,884.02	1/2	1,496.05	1/2	1,108.08	1/2	728.93	1/2	347.84	1/2		1/2		1/2		1/2	
3/4	2,263.91	3/4	1,875.94	3/4	1,487.97	3/4	1,100.00	3/4	721.18	3/4	339.75	3/4		3/4		3/4		3/4	
7	2,255.82	7	1,867.85	7	1,479.88	7	1,091.92	7	713.43	7	331.67	7		7		7		7	
1/4	2,247.74	1/4	1,859.77	1/4	1,471.80	1/4	1,083.83	1/4	705.68	1/4	323.59	1/4		1/4		1/4		1/4	
1/2	2,239.66	1/2	1,851.69	1/2	1,463.72	1/2	1,075.75	1/2	697.93	1/2	315.51	1/2		1/2		1/2		1/2	
3/4	2,231.58	3/4	1,843.61	3/4	1,455.64	3/4	1,067.67	3/4	690.19	3/4	307.43	3/4		3/4		3/4		3/4	
8	2,223.49	8	1,835.52	8	1,447.55	8	1,059.58	8	682.44	8	299.34	8		8		8		8	
1/4	2,215.41	1/4	1,827.44	1/4	1,439.47	1/4	1,051.50	1/4	674.69	1/4	291.26	1/4		1/4		1/4		1/4	
1/2	2,207.33	1/2	1,819.36	1/2	1,431.39	1/2	1,043.42	1/2	666.95	1/2	283.18	1/2		1/2		1/2		1/2	
3/4	2,199.25	3/4	1,811.28	3/4	1,423.31	3/4	1,035.34	3/4	659.20	3/4	275.10	3/4		3/4		3/4		3/4	
9	2,191.16	9	1,803.19	9	1,415.22	9	1,027.25	9	651.45	9	267.02	9		9		9		9	
1/4	2,183.08	1/4	1,795.11	1/4	1,407.14	1/4	1,019.17	1/4	643.71	1/4	258.94	1/4		1/4		1/4		1/4	
1/2	2,175.00	1/2	1,787.03	1/2	1,399.06	1/2	1,011.09	1/2	635.95	1/2	250.85	1/2		1/2		1/2		1/2	
3/4	2,166.91	3/4	1,778.94	3/4	1,390.98	3/4	1,003.01	3/4	628.19	3/4	242.77	3/4		3/4		3/4		3/4	
10	2,158.83	10	1,770.86	10	1,382.89	10	994.92	10	620.43	10	234.69	10		10		10		10	
1/4	2,150.75	1/4	1,762.78	1/4	1,374.81	1/4	986.84	1/4	612.68	1/4	226.61	1/4		1/4		1/4		1/4	
1/2	2,142.67	1/2	1,754.70	1/2	1,366.73	1/2	978.76	1/2	604.91	1/2	218.53	1/2		1/2		1/2		1/2	
3/4	2,134.58	3/4	1,746.61	3/4	1,358.64	3/4	970.67	3/4	597.13	3/4	210.44	3/4		3/4		3/4		3/4	
11	2,126.50	11	1,738.53	11	1,350.56	11	962.59	11	589.36	11	202.36	11		11		11		11	
1/4	2,118.42	1/4	1,730.45	1/4	1,342.48	1/4	954.51	1/4	581.59	1/4	194.28	1/4		1/4		1/4		1/4	
1/2	2,110.34	1/2	1,722.37	1/2	1,334.40	1/2	946.58	1/2	573.66	1/2	186.20	1/2		1/2		1/2		1/2	
3/4	2,102.25	3/4	1,714.28	3/4	1,326.31	3/4	938.65	3/4	565.74	3/4	178.12	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/30/2009 CL - SW
CALCULATED: 10/30/2009 CL
PRINTED: 10/30/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2009

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



BARGE "KIRBY 28135"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

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 12'-09" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

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





BARGE "KIRBY 28135"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,333.55	0	1,972.17	0	1,610.78	0	1,249.40	0	888.76	0	527.44	0	166.07	0		0			
1/4	2,326.02	1/4	1,964.64	1/4	1,603.26	1/4	1,241.87	1/4	881.26	1/4	519.91	1/4	158.55	1/4		1/4			
1/2	2,318.49	1/2	1,957.11	1/2	1,595.73	1/2	1,234.34	1/2	873.75	1/2	512.38	1/2	151.02	1/2		1/2			
3/4	2,310.96	3/4	1,949.58	3/4	1,588.20	3/4	1,226.82	3/4	866.22	3/4	504.86	3/4	143.49	3/4		3/4			
1	2,303.43	1	1,942.05	1	1,580.67	1	1,219.29	1	858.70	1	497.33	1	135.96	1		1			
1/4	2,295.91	1/4	1,934.52	1/4	1,573.14	1/4	1,211.76	1/4	851.17	1/4	489.80	1/4	128.43	1/4		1/4			
1/2	2,288.38	1/2	1,926.99	1/2	1,565.61	1/2	1,204.23	1/2	843.64	1/2	482.27	1/2	120.90	1/2		1/2			
3/4	2,280.85	3/4	1,919.47	3/4	1,558.08	3/4	1,196.70	3/4	836.11	3/4	474.74	3/4	113.37	3/4		3/4			
2	2,273.32	2	1,911.94	2	1,550.55	2	1,189.17	2	828.58	2	467.21	2	105.85	2		2			
1/4	2,265.79	1/4	1,904.41	1/4	1,543.03	1/4	1,181.64	1/4	821.05	1/4	459.69	1/4	98.32	1/4		1/4			
1/2	2,258.26	1/2	1,896.88	1/2	1,535.50	1/2	1,174.11	1/2	813.52	1/2	452.16	1/2	90.79	1/2		1/2			
3/4	2,250.73	3/4	1,889.35	3/4	1,527.97	3/4	1,166.59	3/4	806.00	3/4	444.63	3/4	83.26	3/4		3/4			
3	2,243.20	3	1,881.82	3	1,520.44	3	1,159.06	3	798.47	3	437.10	3	75.73	3		3			
1/4	2,235.68	1/4	1,874.29	1/4	1,512.91	1/4	1,151.53	1/4	790.94	1/4	429.57	1/4	68.20	1/4		1/4			
1/2	2,228.15	1/2	1,866.76	1/2	1,505.38	1/2	1,144.00	1/2	783.41	1/2	422.04	1/2	60.67	1/2		1/2			
3/4	2,220.62	3/4	1,859.24	3/4	1,497.85	3/4	1,136.47	3/4	775.88	3/4	414.51	3/4	54.09	3/4		3/4			
4	2,213.09	4	1,851.71	4	1,490.32	4	1,128.94	4	768.35	4	406.99	4	47.50	4		4			
1/4	2,205.56	1/4	1,844.18	1/4	1,482.80	1/4	1,121.41	1/4	760.83	1/4	399.46	1/4	40.91	1/4		1/4			
1/2	2,198.03	1/2	1,836.65	1/2	1,475.27	1/2	1,113.88	1/2	753.30	1/2	391.93	1/2	34.32	1/2		1/2			
3/4	2,190.50	3/4	1,829.12	3/4	1,467.74	3/4	1,106.38	3/4	745.77	3/4	384.40	3/4	29.62	3/4		3/4			
5	2,182.97	5	1,821.59	5	1,460.21	5	1,098.88	5	738.24	5	376.87	5	24.91	5		5			
1/4	2,175.44	1/4	1,814.06	1/4	1,452.68	1/4	1,091.37	1/4	730.71	1/4	369.34	1/4	20.21	1/4		1/4			
1/2	2,167.92	1/2	1,806.53	1/2	1,445.15	1/2	1,083.87	1/2	723.18	1/2	361.81	1/2	15.50	1/2		1/2			
3/4	2,160.39	3/4	1,799.00	3/4	1,437.62	3/4	1,076.36	3/4	715.65	3/4	354.29	3/4		3/4		3/4			
6	2,152.86	6	1,791.48	6	1,430.09	6	1,068.86	6	708.13	6	346.76	6		6		6			
1/4	2,145.33	1/4	1,783.95	1/4	1,422.56	1/4	1,061.36	1/4	700.60	1/4	339.23	1/4		1/4		1/4			
1/2	2,137.80	1/2	1,776.42	1/2	1,415.04	1/2	1,053.85	1/2	693.07	1/2	331.70	1/2		1/2		1/2			
3/4	2,130.27	3/4	1,768.89	3/4	1,407.51	3/4	1,046.35	3/4	685.54	3/4	324.17	3/4		3/4		3/4			
7	2,122.74	7	1,761.36	7	1,399.98	7	1,038.84	7	678.01	7	316.64	7		7		7			
1/4	2,115.21	1/4	1,753.83	1/4	1,392.45	1/4	1,031.34	1/4	670.48	1/4	309.12	1/4		1/4		1/4			
1/2	2,107.69	1/2	1,746.30	1/2	1,384.92	1/2	1,023.83	1/2	662.95	1/2	301.59	1/2		1/2		1/2			
3/4	2,100.16	3/4	1,738.77	3/4	1,377.39	3/4	1,016.33	3/4	655.43	3/4	294.06	3/4		3/4		3/4			
8	2,092.63	8	1,731.25	8	1,369.86	8	1,008.83	8	647.90	8	286.53	8		8		8			
1/4	2,085.10	1/4	1,723.72	1/4	1,362.33	1/4	1,001.32	1/4	640.37	1/4	279.00	1/4		1/4		1/4			
1/2	2,077.57	1/2	1,716.19	1/2	1,354.81	1/2	993.82	1/2	632.84	1/2	271.47	1/2		1/2		1/2			
3/4	2,070.04	3/4	1,708.66	3/4	1,347.28	3/4	986.31	3/4	625.31	3/4	263.94	3/4		3/4		3/4			
9	2,062.51	9	1,701.13	9	1,339.75	9	978.81	9	617.78	9	256.42	9		9		9			
1/4	2,054.98	1/4	1,693.60	1/4	1,332.22	1/4	971.31	1/4	610.26	1/4	248.89	1/4		1/4		1/4			
1/2	2,047.46	1/2	1,686.07	1/2	1,324.69	1/2	963.80	1/2	602.73	1/2	241.36	1/2		1/2		1/2			
3/4	2,039.93	3/4	1,678.54	3/4	1,317.16	3/4	956.30	3/4	595.20	3/4	233.83	3/4		3/4		3/4			
10	2,032.40	10	1,671.02	10	1,309.63	10	948.79	10	587.67	10	226.30	10		10		10			
1/4	2,024.87	1/4	1,663.49	1/4	1,302.10	1/4	941.29	1/4	580.14	1/4	218.77	1/4		1/4		1/4			
1/2	2,017.34	1/2	1,655.96	1/2	1,294.58	1/2	933.79	1/2	572.61	1/2	211.24	1/2		1/2		1/2			
3/4	2,009.81	3/4	1,648.43	3/4	1,287.05	3/4	926.28	3/4	565.08	3/4	203.72	3/4		3/4		3/4			
11	2,002.28	11	1,640.90	11	1,279.52	11	918.78	11	557.56	11	196.19	11		11		11			
1/4	1,994.75	1/4	1,633.37	1/4	1,271.99	1/4	911.27	1/4	550.03	1/4	188.66	1/4		1/4		1/4			
1/2	1,987.22	1/2	1,625.84	1/2	1,264.46	1/2	903.77	1/2	542.50	1/2	181.13	1/2		1/2		1/2			
3/4	1,979.70	3/4	1,618.31	3/4	1,256.93	3/4	896.27	3/4	534.97	3/4	173.60	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/30/2009 CL - SW
CALCULATED: 10/30/2009 CL
PRINTED: 10/30/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2009

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



BARGE "KIRBY 28135"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

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	4,489.78	0	4,233.76	0	3,965.03	0	3,683.77	0	3,389.97	0	3,035.88	0	2,675.00
1/4		1/4		1/4		1/4	4,484.54	1/4	4,228.31	1/4	3,959.30	1/4	3,677.78	1/4	3,383.41	1/4	3,028.37	1/4	2,667.49
1/2		1/2		1/2		1/2	4,479.30	1/2	4,222.86	1/2	3,953.56	1/2	3,671.79	1/2	3,376.85	1/2	3,020.85	1/2	2,659.97
3/4		3/4		3/4		3/4	4,474.05	3/4	4,217.40	3/4	3,947.81	3/4	3,665.79	3/4	3,370.02	3/4	3,013.33	3/4	2,652.45
1		1		1		1	4,468.79	1	4,211.93	1	3,942.05	1	3,659.78	1	3,363.18	1	3,005.81	1	2,644.93
1/4		1/4		1/4		1/4	4,463.53	1/4	4,206.46	1/4	3,936.29	1/4	3,653.78	1/4	3,356.35	1/4	2,998.30	1/4	2,637.41
1/2		1/2		1/2		1/2	4,458.28	1/2	4,201.00	1/2	3,930.54	1/2	3,647.77	1/2	3,349.51	1/2	2,990.78	1/2	2,629.89
3/4		3/4		3/4		3/4	4,453.00	3/4	4,195.51	3/4	3,924.76	3/4	3,641.74	3/4	3,342.40	3/4	2,983.26	3/4	2,622.37
2		2		2		2	4,447.73	2	4,190.02	2	3,918.99	2	3,635.71	2	3,335.28	2	2,975.74	2	2,614.85
1/4		1/4		1/4		1/4	4,442.45	1/4	4,184.53	1/4	3,913.21	1/4	3,629.68	1/4	3,328.17	1/4	2,968.22	1/4	2,607.33
1/2		1/2		1/2		1/2	4,437.18	1/2	4,179.04	1/2	3,907.43	1/2	3,623.65	1/2	3,321.06	1/2	2,960.71	1/2	2,599.81
3/4		3/4		3/4		3/4	4,431.88	3/4	4,173.53	3/4	3,901.64	3/4	3,617.60	3/4	3,313.66	3/4	2,953.19	3/4	2,592.29
3		3		3		3	4,426.58	3	4,168.02	3	3,895.84	3	3,611.55	3	3,306.27	3	2,945.67	3	2,584.77
1/4		1/4		1/4		1/4	4,421.28	1/4	4,162.51	1/4	3,890.05	1/4	3,605.50	1/4	3,298.88	1/4	2,938.15	1/4	2,577.26
1/2		1/2		1/2		1/2	4,415.98	1/2	4,157.00	1/2	3,884.26	1/2	3,599.46	1/2	3,291.49	1/2	2,930.63	1/2	2,569.74
3/4		3/4		3/4		3/4	4,410.70	3/4	4,151.44	3/4	3,878.44	3/4	3,593.39	3/4	3,283.98	3/4	2,923.12	3/4	2,562.22
4		4		4		4	4,405.42	4	4,145.87	4	3,872.62	4	3,587.32	4	3,276.46	4	2,915.60	4	2,554.70
1/4		1/4		1/4		1/4	4,400.14	1/4	4,140.31	1/4	3,866.80	1/4	3,581.26	1/4	3,268.94	1/4	2,908.08	1/4	2,547.18
1/2		1/2		1/2		1/2	4,394.86	1/2	4,134.74	1/2	3,860.98	1/2	3,575.19	1/2	3,261.42	1/2	2,900.56	1/2	2,539.66
3/4		3/4		3/4		3/4	4,389.56	3/4	4,129.15	3/4	3,855.14	3/4	3,569.10	3/4	3,253.90	3/4	2,893.04	3/4	2,532.14
5		5		5		5	4,384.26	5	4,123.56	5	3,849.31	5	3,563.00	5	3,246.39	5	2,885.53	5	2,524.62
1/4		1/4		1/4		1/4	4,378.96	1/4	4,117.97	1/4	3,843.47	1/4	3,556.91	1/4	3,238.87	1/4	2,878.01	1/4	2,517.10
1/2		1/2		1/2		1/2	4,373.66	1/2	4,112.39	1/2	3,837.63	1/2	3,550.82	1/2	3,231.35	1/2	2,870.49	1/2	2,509.58
3/4		3/4		3/4		3/4	4,368.33	3/4	4,106.78	3/4	3,831.77	3/4	3,544.71	3/4	3,223.83	3/4	2,862.97	3/4	2,502.06
6		6		6		6	4,363.01	6	4,101.17	6	3,825.90	6	3,538.60	6	3,216.31	6	2,855.46	6	2,494.55
1/4		1/4		1/4		1/4	4,357.69	1/4	4,095.56	1/4	3,820.04	1/4	3,532.49	1/4	3,208.80	1/4	2,847.94	1/4	2,487.03
1/2		1/2		1/2		1/2	4,352.36	1/2	4,089.95	1/2	3,814.18	1/2	3,526.38	1/2	3,201.28	1/2	2,840.42	1/2	2,479.51
3/4		3/4		3/4		3/4	4,347.02	3/4	4,084.32	3/4	3,808.30	3/4	3,520.25	3/4	3,193.76	3/4	2,832.90	3/4	2,471.99
7		7		7	4,607.71	7	4,341.68	7	4,078.68	7	3,802.42	7	3,514.12	7	3,186.24	7	2,825.38	7	2,464.48
1/4		1/4		1/4	4,603.10	1/4	4,336.33	1/4	4,073.05	1/4	3,796.54	1/4	3,507.99	1/4	3,178.73	1/4	2,817.87	1/4	2,456.96
1/2		1/2		1/2	4,598.50	1/2	4,330.99	1/2	4,067.42	1/2	3,790.66	1/2	3,501.86	1/2	3,171.21	1/2	2,810.35	1/2	2,449.45
3/4		3/4		3/4	4,592.36	3/4	4,325.62	3/4	4,061.76	3/4	3,784.76	3/4	3,495.72	3/4	3,163.69	3/4	2,802.83	3/4	2,441.93
8		8		8	4,586.21	8	4,320.26	8	4,056.11	8	3,778.86	8	3,489.58	8	3,156.17	8	2,795.31	8	2,434.41
1/4		1/4		1/4	4,580.07	1/4	4,314.89	1/4	4,050.46	1/4	3,772.96	1/4	3,483.44	1/4	3,148.65	1/4	2,787.79	1/4	2,426.90
1/2		1/2		1/2	4,573.93	1/2	4,309.52	1/2	4,044.81	1/2	3,767.06	1/2	3,477.30	1/2	3,141.14	1/2	2,780.27	1/2	2,419.38
3/4		3/4		3/4	4,567.79	3/4	4,304.14	3/4	4,039.14	3/4	3,761.13	3/4	3,471.17	3/4	3,133.62	3/4	2,772.75	3/4	2,411.87
9		9		9	4,561.65	9	4,298.75	9	4,033.47	9	3,755.21	9	3,465.03	9	3,126.10	9	2,765.23	9	2,404.35
1/4		1/4		1/4	4,555.51	1/4	4,293.37	1/4	4,027.80	1/4	3,749.28	1/4	3,458.89	1/4	3,118.58	1/4	2,757.71	1/4	2,396.84
1/2		1/2		1/2	4,549.37	1/2	4,287.98	1/2	4,022.13	1/2	3,743.36	1/2	3,452.75	1/2	3,111.06	1/2	2,750.20	1/2	2,389.32
3/4		3/4		3/4	4,543.23	3/4	4,282.58	3/4	4,016.43	3/4	3,737.41	3/4	3,446.61	3/4	3,103.55	3/4	2,742.68	3/4	2,381.81
10		10		10	4,537.09	10	4,277.17	10	4,010.74	10	3,731.47	10	3,440.47	10	3,096.03	10	2,735.16	10	2,374.29
1/4		1/4		1/4	4,530.95	1/4	4,271.77	1/4	4,005.04	1/4	3,725.53	1/4	3,434.33	1/4	3,088.51	1/4	2,727.64	1/4	2,366.78
1/2		1/2		1/2	4,524.81	1/2	4,266.37	1/2	3,999.35	1/2	3,719.59	1/2	3,428.19	1/2	3,080.99	1/2	2,720.12	1/2	2,359.26
3/4		3/4		3/4	4,518.67	3/4	4,260.94	3/4	3,993.63	3/4	3,713.62	3/4	3,421.92	3/4	3,073.47	3/4	2,712.60	3/4	2,351.74
11		11		11	4,512.53	11	4,255.51	11	3,987.92	11	3,707.66	11	3,415.64	11	3,065.96	11	2,705.08	11	2,344.23
1/4		1/4		1/4	4,506.39	1/4	4,250.08	1/4	3,982.21	1/4	3,701.70	1/4	3,409.36	1/4	3,058.44	1/4	2,697.56	1/4	2,336.71
1/2		1/2		1/2	4,500.25	1/2	4,244.65	1/2	3,976.49	1/2	3,695.74	1/2	3,403.08	1/2	3,050.92	1/2	2,690.04	1/2	2,329.20
3/4		3/4		3/4	4,495.02	3/4	4,239.20	3/4	3,970.76	3/4	3,689.75	3/4	3,396.52	3/4	3,043.40	3/4	2,682.52	3/4	2,321.68

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 12'-09" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28135"

**3 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,314.17	0	1,954.40	0	1,595.42	0	1,234.46	0	880.00	0	526.69	0	166.16	0		0			
1/4	2,306.65	1/4	1,946.95	1/4	1,587.90	1/4	1,226.94	1/4	872.62	1/4	519.31	1/4	158.63	1/4		1/4			
1/2	2,299.14	1/2	1,939.50	1/2	1,580.38	1/2	1,219.42	1/2	865.24	1/2	511.93	1/2	151.10	1/2		1/2			
3/4	2,291.62	3/4	1,932.04	3/4	1,572.86	3/4	1,212.04	3/4	857.86	3/4	504.47	3/4	143.56	3/4		3/4			
1	2,284.10	1	1,924.59	1	1,565.34	1	1,204.65	1	850.48	1	497.02	1	136.03	1		1			
1/4	2,276.58	1/4	1,917.13	1/4	1,557.82	1/4	1,197.27	1/4	843.10	1/4	489.57	1/4	128.50	1/4		1/4			
1/2	2,269.06	1/2	1,909.68	1/2	1,550.30	1/2	1,189.89	1/2	835.71	1/2	482.12	1/2	120.97	1/2		1/2			
3/4	2,261.54	3/4	1,902.23	3/4	1,542.78	3/4	1,182.51	3/4	828.33	3/4	474.59	3/4	113.43	3/4		3/4			
2	2,254.02	2	1,894.77	2	1,535.26	2	1,175.12	2	820.95	2	467.07	2	105.90	2		2			
1/4	2,246.50	1/4	1,887.32	1/4	1,527.74	1/4	1,167.74	1/4	813.57	1/4	459.55	1/4	98.37	1/4		1/4			
1/2	2,238.98	1/2	1,879.86	1/2	1,520.22	1/2	1,160.36	1/2	806.19	1/2	452.03	1/2	90.84	1/2		1/2			
3/4	2,231.46	3/4	1,872.41	3/4	1,512.70	3/4	1,152.97	3/4	798.83	3/4	444.51	3/4	83.30	3/4		3/4			
3	2,223.94	3	1,864.96	3	1,505.18	3	1,145.59	3	791.47	3	436.99	3	75.77	3		3			
1/4	2,216.42	1/4	1,857.50	1/4	1,497.66	1/4	1,138.21	1/4	784.10	1/4	429.47	1/4	68.24	1/4		1/4			
1/2	2,208.90	1/2	1,850.05	1/2	1,490.14	1/2	1,130.82	1/2	776.74	1/2	421.95	1/2	60.71	1/2		1/2			
3/4	2,201.38	3/4	1,842.59	3/4	1,482.62	3/4	1,123.44	3/4	769.39	3/4	414.43	3/4	54.11	3/4		3/4			
4	2,193.86	4	1,835.14	4	1,475.10	4	1,116.06	4	762.04	4	406.91	4	47.52	4		4			
1/4	2,186.34	1/4	1,827.68	1/4	1,467.58	1/4	1,108.67	1/4	754.69	1/4	399.38	1/4	40.93	1/4		1/4			
1/2	2,178.82	1/2	1,820.23	1/2	1,460.06	1/2	1,101.29	1/2	747.34	1/2	391.86	1/2	34.34	1/2		1/2			
3/4	2,171.30	3/4	1,812.78	3/4	1,452.54	3/4	1,093.91	3/4	739.99	3/4	384.34	3/4	29.63	3/4		3/4			
5	2,163.78	5	1,805.32	5	1,445.02	5	1,086.54	5	732.64	5	376.82	5	24.92	5		5			
1/4	2,156.26	1/4	1,797.87	1/4	1,437.50	1/4	1,079.16	1/4	725.29	1/4	369.30	1/4	20.22	1/4		1/4			
1/2	2,148.74	1/2	1,790.41	1/2	1,429.98	1/2	1,071.78	1/2	717.94	1/2	361.78	1/2	15.51	1/2		1/2			
3/4	2,141.22	3/4	1,782.96	3/4	1,422.46	3/4	1,064.41	3/4	710.59	3/4	354.26	3/4		3/4		3/4			
6	2,133.70	6	1,775.51	6	1,414.94	6	1,057.03	6	703.24	6	346.74	6		6		6			
1/4	2,126.18	1/4	1,768.05	1/4	1,407.42	1/4	1,049.65	1/4	695.89	1/4	339.22	1/4		1/4		1/4			
1/2	2,118.66	1/2	1,760.60	1/2	1,399.90	1/2	1,042.28	1/2	688.53	1/2	331.70	1/2		1/2		1/2			
3/4	2,111.14	3/4	1,753.14	3/4	1,392.38	3/4	1,034.90	3/4	681.18	3/4	324.17	3/4		3/4		3/4			
7	2,103.62	7	1,745.69	7	1,384.86	7	1,027.52	7	673.83	7	316.65	7		7		7			
1/4	2,096.10	1/4	1,738.24	1/4	1,377.34	1/4	1,020.15	1/4	666.48	1/4	309.13	1/4		1/4		1/4			
1/2	2,088.58	1/2	1,730.78	1/2	1,369.82	1/2	1,012.77	1/2	659.13	1/2	301.61	1/2		1/2		1/2			
3/4	2,081.12	3/4	1,723.26	3/4	1,362.30	3/4	1,005.40	3/4	651.78	3/4	294.09	3/4		3/4		3/4			
8	2,073.67	8	1,715.74	8	1,354.78	8	998.02	8	644.42	8	286.57	8		8		8			
1/4	2,066.22	1/4	1,708.22	1/4	1,347.26	1/4	990.64	1/4	637.07	1/4	279.05	1/4		1/4		1/4			
1/2	2,058.76	1/2	1,700.70	1/2	1,339.74	1/2	983.27	1/2	629.72	1/2	271.53	1/2		1/2		1/2			
3/4	2,051.31	3/4	1,693.18	3/4	1,332.22	3/4	975.89	3/4	622.37	3/4	264.01	3/4		3/4		3/4			
9	2,043.85	9	1,685.66	9	1,324.70	9	968.51	9	615.02	9	256.49	9		9		9			
1/4	2,036.40	1/4	1,678.14	1/4	1,317.18	1/4	961.14	1/4	607.67	1/4	248.96	1/4		1/4		1/4			
1/2	2,028.95	1/2	1,670.62	1/2	1,309.66	1/2	953.76	1/2	600.31	1/2	241.44	1/2		1/2		1/2			
3/4	2,021.49	3/4	1,663.10	3/4	1,302.14	3/4	946.38	3/4	592.96	3/4	233.92	3/4		3/4		3/4			
10	2,014.04	10	1,655.58	10	1,294.62	10	939.01	10	585.61	10	226.40	10		10		10			
1/4	2,006.58	1/4	1,648.06	1/4	1,287.10	1/4	931.63	1/4	578.26	1/4	218.88	1/4		1/4		1/4			
1/2	1,999.13	1/2	1,640.54	1/2	1,279.58	1/2	924.26	1/2	570.91	1/2	211.36	1/2		1/2		1/2			
3/4	1,991.68	3/4	1,633.02	3/4	1,272.06	3/4	916.88	3/4	563.54	3/4	203.83	3/4		3/4		3/4			
11	1,984.22	11	1,625.50	11	1,264.54	11	909.50	11	556.18	11	196.29	11		11		11			
1/4	1,976.77	1/4	1,617.98	1/4	1,257.02	1/4	902.13	1/4	548.81	1/4	188.76	1/4		1/4		1/4			
1/2	1,969.31	1/2	1,610.46	1/2	1,249.50	1/2	894.75	1/2	541.45	1/2	181.23	1/2		1/2		1/2			
3/4	1,961.86	3/4	1,602.94	3/4	1,241.98	3/4	887.37	3/4	534.07	3/4	173.70	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/30/2009 CL - SW
CALCULATED: 10/30/2009 CL
PRINTED: 10/30/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2009

PRECISION MEASUREMENT
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