



BARGE "KIRBY 11323"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4
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	- 00-5/8	00-5/8	- 00-7/8	00-7/8
3 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8

(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 2 CENTER IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 161'-03"

May 31, 2007

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

<http://www.pmacorp.net>



BARGE "KIRBY 11323"

1 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-00"

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	3,402.51	0	3,181.55	0	2,960.64	0	2,739.74	0	2,500.97	0	2,245.86	0	1,990.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,397.90	1/4	3,176.94	1/4	2,956.04	1/4	2,735.14	1/4	2,495.65	1/4	2,240.54	1/4	1,985.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,393.30	1/2	3,172.34	1/2	2,951.44	1/2	2,730.54	1/2	2,490.34	1/2	2,235.23	1/2	1,980.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,388.70	3/4	3,167.74	3/4	2,946.84	3/4	2,725.93	3/4	2,485.02	3/4	2,229.91	3/4	1,974.80		
1		1		1		1	3,384.09	1	3,163.13	1	2,942.23	1	2,721.33	1	2,479.71	1	2,224.60	1	1,969.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,379.49	1/4	3,158.53	1/4	2,937.63	1/4	2,716.73	1/4	2,474.39	1/4	2,219.28	1/4	1,964.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,374.89	1/2	3,153.93	1/2	2,933.03	1/2	2,712.13	1/2	2,469.08	1/2	2,213.97	1/2	1,958.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,370.28	3/4	3,149.33	3/4	2,928.43	3/4	2,707.53	3/4	2,463.76	3/4	2,208.65	3/4	1,953.54		
2		2		2		2	3,365.68	2	3,144.73	2	2,923.83	2	2,702.92	2	2,458.45	2	2,203.34	2	1,948.23		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,361.08	1/4	3,140.12	1/4	2,919.22	1/4	2,698.32	1/4	2,453.13	1/4	2,198.02	1/4	1,942.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,356.47	1/2	3,135.52	1/2	2,914.62	1/2	2,693.72	1/2	2,447.82	1/2	2,192.71	1/2	1,937.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,351.87	3/4	3,130.92	3/4	2,910.02	3/4	2,689.12	3/4	2,442.51	3/4	2,187.39	3/4	1,932.28		
3		3		3		3	3,347.27	3	3,126.32	3	2,905.42	3	2,684.52	3	2,437.19	3	2,182.08	3	1,926.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,342.66	1/4	3,121.72	1/4	2,900.81	1/4	2,679.91	1/4	2,431.88	1/4	2,176.77	1/4	1,921.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,338.06	1/2	3,117.11	1/2	2,896.21	1/2	2,675.31	1/2	2,426.56	1/2	2,171.45	1/2	1,916.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,333.46	3/4	3,112.51	3/4	2,891.61	3/4	2,670.71	3/4	2,421.25	3/4	2,166.14	3/4	1,911.03		
4		4		4		4	3,328.85	4	3,107.91	4	2,887.01	4	2,666.11	4	2,415.93	4	2,160.82	4	1,905.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,324.25	1/4	3,103.31	1/4	2,882.41	1/4	2,661.51	1/4	2,410.62	1/4	2,155.51	1/4	1,900.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,319.65	1/2	3,098.70	1/2	2,877.80	1/2	2,656.90	1/2	2,405.30	1/2	2,150.19	1/2	1,895.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,315.04	3/4	3,094.10	3/4	2,873.20	3/4	2,652.30	3/4	2,399.99	3/4	2,144.88	3/4	1,889.77		
5		5		5		5	3,310.44	5	3,089.50	5	2,868.60	5	2,647.70	5	2,394.67	5	2,139.56	5	1,884.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,305.84	1/4	3,084.90	1/4	2,864.00	1/4	2,642.92	1/4	2,389.36	1/4	2,134.25	1/4	1,879.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,301.23	1/2	3,080.30	1/2	2,859.40	1/2	2,638.13	1/2	2,384.04	1/2	2,128.93	1/2	1,873.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,296.63	3/4	3,075.69	3/4	2,854.79	3/4	2,633.35	3/4	2,378.73	3/4	2,123.62	3/4	1,868.51		
6		6		6		6	3,292.03	6	3,071.09	6	2,850.19	6	2,628.57	6	2,373.41	6	2,118.30	6	1,863.19		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,287.42	1/4	3,066.49	1/4	2,845.59	1/4	2,623.24	1/4	2,368.10	1/4	2,112.99	1/4	1,857.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,282.82	1/2	3,061.89	1/2	2,840.99	1/2	2,617.92	1/2	2,362.78	1/2	2,107.67	1/2	1,852.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,475.88	3/4	3,057.29	3/4	2,836.39	3/4	2,612.59	3/4	2,357.47	3/4	2,102.36	3/4	1,847.25		
7		7		7		7	3,475.66	7	3,052.68	7	2,831.78	7	2,607.27	7	2,352.15	7	2,097.04	7	1,841.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,474.33	1/4	3,048.08	1/4	2,827.18	1/4	2,601.95	1/4	2,346.84	1/4	2,091.73	1/4	1,836.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,473.00	1/2	3,043.48	1/2	2,822.58	1/2	2,596.64	1/2	2,341.52	1/2	2,086.41	1/2	1,831.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,471.67	3/4	3,038.88	3/4	2,817.98	3/4	2,591.32	3/4	2,336.21	3/4	2,081.10	3/4	1,825.99		
8		8		8		8	3,470.34	8	3,034.28	8	2,813.37	8	2,586.00	8	2,330.89	8	2,075.78	8	1,820.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,467.23	1/4	3,029.67	1/4	2,808.77	1/4	2,580.69	1/4	2,325.58	1/4	2,070.47	1/4	1,815.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,464.12	1/2	3,025.07	1/2	2,804.17	1/2	2,575.38	1/2	2,320.26	1/2	2,065.15	1/2	1,810.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,461.02	3/4	3,020.47	3/4	2,799.57	3/4	2,570.06	3/4	2,314.95	3/4	2,059.84	3/4	1,804.73		
9		9		9		9	3,457.91	9	3,236.79	9	3,015.87	9	2,794.97	9	2,564.75	9	2,309.64	9	2,054.52	9	1,799.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,453.27	1/4	3,232.18	1/4	3,011.27	1/4	2,790.36	1/4	2,559.43	1/4	2,304.32	1/4	2,049.21	1/4	1,794.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,448.62	1/2	3,227.58	1/2	3,006.66	1/2	2,785.76	1/2	2,554.12	1/2	2,299.01	1/2	2,043.90	1/2	1,788.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,443.98	3/4	3,222.98	3/4	3,002.06	3/4	2,781.16	3/4	2,548.80	3/4	2,293.69	3/4	2,038.58	3/4	1,783.47
10		10		10		10	3,439.33	10	3,218.37	10	2,997.46	10	2,776.56	10	2,543.49	10	2,288.38	10	2,033.27	10	1,778.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,434.73	1/4	3,213.77	1/4	2,992.86	1/4	2,771.96	1/4	2,538.17	1/4	2,283.06	1/4	2,027.95	1/4	1,772.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,430.13	1/2	3,209.17	1/2	2,988.25	1/2	2,767.35	1/2	2,532.86	1/2	2,277.75	1/2	2,022.64	1/2	1,767.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,425.52	3/4	3,204.56	3/4	2,983.65	3/4	2,762.75	3/4	2,527.54	3/4	2,272.43	3/4	2,017.32	3/4	1,762.21
11		11		11		11	3,420.92	11	3,199.96	11	2,979.05	11	2,758.15	11	2,522.23	11	2,267.12	11	2,012.01	11	1,756.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,416.32	1/4	3,195.36	1/4	2,974.45	1/4	2,753.55	1/4	2,516.91	1/4	2,261.80	1/4	2,006.69	1/4	1,751.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,411.71	1/2	3,190.75	1/2	2,969.85	1/2	2,748.95	1/2	2,511.60	1/2	2,256.49	1/2	2,001.38	1/2	1,746.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,407.11	3/4	3,186.15	3/4	2,965.24	3/4	2,744.34	3/4	2,506.28	3/4	2,251.17	3/4	1,996.06	3/4	1,740.95

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 24'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

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<http://www.pmacorp.net>



BARGE "KIRBY 11323"

1 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-00"

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	1,735.64	0	1,481.19	0	1,226.51	0	971.53	0	717.61	0	466.41	0	212.43	0	0.46	0		0	
1/4	1,730.32	1/4	1,475.90	1/4	1,221.20	1/4	966.21	1/4	712.40	1/4	461.16	1/4	207.11	1/4		1/4		1/4	
1/2	1,725.01	1/2	1,470.61	1/2	1,215.89	1/2	960.90	1/2	707.18	1/2	455.90	1/2	201.78	1/2		1/2		1/2	
3/4	1,719.69	3/4	1,465.32	3/4	1,210.57	3/4	955.59	3/4	701.96	3/4	450.65	3/4	196.46	3/4		3/4		3/4	
1	1,714.38	1	1,460.03	1	1,205.26	1	950.28	1	696.74	1	445.39	1	191.13	1		1		1	
1/4	1,709.06	1/4	1,454.74	1/4	1,199.95	1/4	944.96	1/4	691.52	1/4	440.14	1/4	185.81	1/4		1/4		1/4	
1/2	1,703.75	1/2	1,449.45	1/2	1,194.64	1/2	939.65	1/2	686.31	1/2	434.88	1/2	180.48	1/2		1/2		1/2	
3/4	1,698.43	3/4	1,444.16	3/4	1,189.33	3/4	934.34	3/4	681.09	3/4	429.63	3/4	175.16	3/4		3/4		3/4	
2	1,693.12	2	1,438.87	2	1,184.01	2	929.03	2	675.87	2	424.37	2	169.83	2		2		2	
1/4	1,687.80	1/4	1,433.58	1/4	1,178.70	1/4	923.72	1/4	670.65	1/4	419.12	1/4	164.51	1/4		1/4		1/4	
1/2	1,682.49	1/2	1,428.29	1/2	1,173.39	1/2	918.40	1/2	665.43	1/2	413.86	1/2	159.18	1/2		1/2		1/2	
3/4	1,677.17	3/4	1,423.00	3/4	1,168.08	3/4	913.09	3/4	660.22	3/4	408.61	3/4	153.86	3/4		3/4		3/4	
3	1,671.86	3	1,417.71	3	1,162.76	3	907.78	3	655.00	3	403.35	3	148.53	3		3		3	
1/4	1,666.54	1/4	1,412.41	1/4	1,157.45	1/4	902.47	1/4	649.78	1/4	398.10	1/4	143.21	1/4		1/4		1/4	
1/2	1,661.23	1/2	1,407.11	1/2	1,152.14	1/2	897.15	1/2	644.56	1/2	392.84	1/2	137.88	1/2		1/2		1/2	
3/4	1,655.91	3/4	1,401.81	3/4	1,146.83	3/4	891.84	3/4	639.34	3/4	387.59	3/4	132.56	3/4		3/4		3/4	
4	1,650.60	4	1,396.51	4	1,141.52	4	886.53	4	634.13	4	382.33	4	127.23	4		4		4	
1/4	1,645.29	1/4	1,391.19	1/4	1,136.20	1/4	881.22	1/4	628.91	1/4	377.07	1/4	121.91	1/4		1/4		1/4	
1/2	1,639.97	1/2	1,385.88	1/2	1,130.89	1/2	875.91	1/2	623.69	1/2	371.82	1/2	116.58	1/2		1/2		1/2	
3/4	1,634.66	3/4	1,380.57	3/4	1,125.58	3/4	870.59	3/4	618.47	3/4	366.56	3/4	111.26	3/4		3/4		3/4	
5	1,629.34	5	1,375.25	5	1,120.27	5	865.28	5	613.26	5	361.31	5	105.93	5		5		5	
1/4	1,624.04	1/4	1,369.94	1/4	1,114.95	1/4	859.97	1/4	608.04	1/4	355.99	1/4	100.83	1/4		1/4		1/4	
1/2	1,618.74	1/2	1,364.63	1/2	1,109.64	1/2	854.66	1/2	602.82	1/2	350.68	1/2	95.72	1/2		1/2		1/2	
3/4	1,613.44	3/4	1,359.32	3/4	1,104.33	3/4	849.34	3/4	597.60	3/4	345.36	3/4	90.62	3/4		3/4		3/4	
6	1,608.13	6	1,354.00	6	1,099.02	6	844.03	6	592.38	6	340.05	6	85.52	6		6		6	
1/4	1,602.84	1/4	1,348.69	1/4	1,093.71	1/4	838.72	1/4	587.17	1/4	334.73	1/4	80.75	1/4		1/4		1/4	
1/2	1,597.55	1/2	1,343.38	1/2	1,088.39	1/2	833.41	1/2	581.95	1/2	329.42	1/2	75.98	1/2		1/2		1/2	
3/4	1,592.26	3/4	1,338.07	3/4	1,083.08	3/4	828.10	3/4	576.73	3/4	324.10	3/4	71.20	3/4		3/4		3/4	
7	1,586.98	7	1,332.76	7	1,077.77	7	822.78	7	571.51	7	318.78	7	66.43	7		7		7	
1/4	1,581.69	1/4	1,327.44	1/4	1,072.46	1/4	817.47	1/4	566.26	1/4	313.47	1/4	62.01	1/4		1/4		1/4	
1/2	1,576.40	1/2	1,322.13	1/2	1,067.15	1/2	812.16	1/2	561.00	1/2	308.15	1/2	57.58	1/2		1/2		1/2	
3/4	1,571.11	3/4	1,316.82	3/4	1,061.83	3/4	806.85	3/4	555.75	3/4	302.84	3/4	53.16	3/4		3/4		3/4	
8	1,565.82	8	1,311.51	8	1,056.52	8	801.54	8	550.49	8	297.52	8	48.73	8		8		8	
1/4	1,560.53	1/4	1,306.19	1/4	1,051.21	1/4	796.28	1/4	545.24	1/4	292.21	1/4	44.65	1/4		1/4		1/4	
1/2	1,555.24	1/2	1,300.88	1/2	1,045.90	1/2	791.03	1/2	539.98	1/2	286.89	1/2	40.57	1/2		1/2		1/2	
3/4	1,549.95	3/4	1,295.57	3/4	1,040.58	3/4	785.77	3/4	534.73	3/4	281.58	3/4	36.49	3/4		3/4		3/4	
9	1,544.66	9	1,290.26	9	1,035.27	9	780.52	9	529.47	9	276.26	9	32.40	9		9		9	
1/4	1,539.37	1/4	1,284.95	1/4	1,029.96	1/4	775.26	1/4	524.22	1/4	270.94	1/4	27.97	1/4		1/4		1/4	
1/2	1,534.08	1/2	1,279.63	1/2	1,024.65	1/2	770.01	1/2	518.96	1/2	265.63	1/2	23.53	1/2		1/2		1/2	
3/4	1,528.79	3/4	1,274.32	3/4	1,019.34	3/4	764.76	3/4	513.71	3/4	260.31	3/4	19.09	3/4		3/4		3/4	
10	1,523.50	10	1,269.01	10	1,014.02	10	759.50	10	508.45	10	255.00	10	14.65	10		10		10	
1/4	1,518.21	1/4	1,263.70	1/4	1,008.71	1/4	754.25	1/4	503.20	1/4	249.68	1/4	11.99	1/4		1/4		1/4	
1/2	1,512.92	1/2	1,258.38	1/2	1,003.40	1/2	748.99	1/2	497.94	1/2	244.36	1/2	9.33	1/2		1/2		1/2	
3/4	1,507.63	3/4	1,253.07	3/4	998.09	3/4	743.74	3/4	492.69	3/4	239.05	3/4	6.67	3/4		3/4		3/4	
11	1,502.34	11	1,247.76	11	992.77	11	738.48	11	487.43	11	233.73	11	4.01	11		11		11	
1/4	1,497.05	1/4	1,242.45	1/4	987.46	1/4	733.27	1/4	482.18	1/4	228.41	1/4	3.12	1/4		1/4		1/4	
1/2	1,491.76	1/2	1,237.14	1/2	982.15	1/2	728.05	1/2	476.92	1/2	223.08	1/2	2.23	1/2		1/2		1/2	
3/4	1,486.47	3/4	1,231.82	3/4	976.84	3/4	722.83	3/4	471.67	3/4	217.76	3/4	1.35	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/30/2007 CL - SW
CALCULATED: 05/31/2007 CL
PRINTED: 05/31/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "KIRBY 11323"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-00"

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	3,524.03	0	3,269.64	0	3,015.25	0	2,760.86	0	2,506.47	0	2,252.08	0	1,997.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,518.73	1/4	3,264.34	1/4	3,009.95	1/4	2,755.56	1/4	2,501.17	1/4	2,246.78	1/4	1,992.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,513.43	1/2	3,259.04	1/2	3,004.65	1/2	2,750.26	1/2	2,495.87	1/2	2,241.48	1/2	1,987.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,508.13	3/4	3,253.74	3/4	2,999.35	3/4	2,744.96	3/4	2,490.57	3/4	2,236.18	3/4	1,981.79
1		1		1		1	3,502.83	1	3,248.44	1	2,994.05	1	2,739.66	1	2,485.27	1	2,230.88	1	1,976.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,497.53	1/4	3,243.14	1/4	2,988.75	1/4	2,734.36	1/4	2,479.97	1/4	2,225.58	1/4	1,971.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,492.23	1/2	3,237.84	1/2	2,983.45	1/2	2,729.06	1/2	2,474.67	1/2	2,220.28	1/2	1,965.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,486.93	3/4	3,232.54	3/4	2,978.15	3/4	2,723.76	3/4	2,469.37	3/4	2,214.98	3/4	1,960.59
2		2		2		2	3,481.63	2	3,227.24	2	2,972.85	2	2,718.46	2	2,464.07	2	2,209.68	2	1,955.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,476.33	1/4	3,221.94	1/4	2,967.55	1/4	2,713.16	1/4	2,458.77	1/4	2,204.38	1/4	1,949.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,471.03	1/2	3,216.64	1/2	2,962.25	1/2	2,707.86	1/2	2,453.47	1/2	2,199.08	1/2	1,944.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,465.73	3/4	3,211.34	3/4	2,956.95	3/4	2,702.56	3/4	2,448.17	3/4	2,193.78	3/4	1,939.39
3		3		3		3	3,460.43	3	3,206.04	3	2,951.65	3	2,697.26	3	2,442.87	3	2,188.48	3	1,934.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,455.13	1/4	3,200.74	1/4	2,946.35	1/4	2,691.96	1/4	2,437.57	1/4	2,183.18	1/4	1,928.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,449.83	1/2	3,195.44	1/2	2,941.05	1/2	2,686.66	1/2	2,432.27	1/2	2,177.88	1/2	1,923.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,444.53	3/4	3,190.14	3/4	2,935.75	3/4	2,681.36	3/4	2,426.97	3/4	2,172.58	3/4	1,918.19
4		4		4		4	3,439.23	4	3,184.84	4	2,930.45	4	2,676.06	4	2,421.67	4	2,167.28	4	1,912.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,433.93	1/4	3,179.54	1/4	2,925.15	1/4	2,670.76	1/4	2,416.37	1/4	2,161.98	1/4	1,907.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,428.63	1/2	3,174.24	1/2	2,919.85	1/2	2,665.46	1/2	2,411.07	1/2	2,156.68	1/2	1,902.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,423.33	3/4	3,168.94	3/4	2,914.55	3/4	2,660.16	3/4	2,405.77	3/4	2,151.38	3/4	1,896.99
5		5		5		5	3,418.03	5	3,163.64	5	2,909.25	5	2,654.86	5	2,400.47	5	2,146.08	5	1,891.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,412.73	1/4	3,158.34	1/4	2,903.95	1/4	2,649.56	1/4	2,395.17	1/4	2,140.78	1/4	1,886.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,407.43	1/2	3,153.04	1/2	2,898.65	1/2	2,644.26	1/2	2,389.87	1/2	2,135.48	1/2	1,881.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,402.13	3/4	3,147.74	3/4	2,893.35	3/4	2,638.96	3/4	2,384.57	3/4	2,130.18	3/4	1,875.79
6		6		6		6	3,396.83	6	3,142.44	6	2,888.05	6	2,633.66	6	2,379.27	6	2,124.88	6	1,870.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,391.54	1/4	3,137.14	1/4	2,882.75	1/4	2,628.36	1/4	2,373.97	1/4	2,119.58	1/4	1,865.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,386.24	1/2	3,131.84	1/2	2,877.45	1/2	2,623.06	1/2	2,368.67	1/2	2,114.28	1/2	1,859.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,603.54	3/4	3,380.94	3/4	3,126.55	3/4	2,872.15	3/4	2,617.76	3/4	2,363.37	3/4	2,108.98
7		7		7		7	3,375.64	7	3,121.25	7	2,866.85	7	2,612.46	7	2,358.07	7	2,103.68	7	1,849.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,601.99	1/4	3,370.34	1/4	3,115.95	1/4	2,861.56	1/4	2,607.16	1/4	2,352.77	1/4	2,098.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,600.67	1/2	3,365.04	1/2	3,110.65	1/2	2,856.26	1/2	2,601.86	1/2	2,347.47	1/2	2,093.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,599.34	3/4	3,359.74	3/4	3,105.35	3/4	2,850.96	3/4	2,596.57	3/4	2,342.17	3/4	2,087.78
8		8		8		8	3,598.02	8	3,354.44	8	3,100.05	8	2,845.66	8	2,591.27	8	2,336.87	8	2,082.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,594.93	1/4	3,349.14	1/4	3,094.75	1/4	2,840.36	1/4	2,585.97	1/4	2,331.58	1/4	2,077.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,591.83	1/2	3,343.84	1/2	3,089.45	1/2	2,835.06	1/2	2,580.67	1/2	2,326.28	1/2	2,071.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,588.74	3/4	3,338.54	3/4	3,084.15	3/4	2,829.76	3/4	2,575.37	3/4	2,320.98	3/4	2,066.59
9		9		9		9	3,585.65	9	3,333.24	9	3,078.85	9	2,824.46	9	2,570.07	9	2,315.68	9	2,061.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,580.85	1/4	3,327.94	1/4	3,073.55	1/4	2,819.16	1/4	2,564.77	1/4	2,310.38	1/4	2,055.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,576.04	1/2	3,322.64	1/2	3,068.25	1/2	2,813.86	1/2	2,559.47	1/2	2,305.08	1/2	2,050.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,571.23	3/4	3,317.34	3/4	3,062.95	3/4	2,808.56	3/4	2,554.17	3/4	2,299.78	3/4	2,045.39
10		10		10		10	3,566.43	10	3,312.04	10	3,057.65	10	2,803.26	10	2,548.87	10	2,294.48	10	2,040.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,561.13	1/4	3,306.74	1/4	3,052.35	1/4	2,797.96	1/4	2,543.57	1/4	2,289.18	1/4	2,034.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,555.83	1/2	3,301.44	1/2	3,047.05	1/2	2,792.66	1/2	2,538.27	1/2	2,283.88	1/2	2,029.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,550.53	3/4	3,296.14	3/4	3,041.75	3/4	2,787.36	3/4	2,532.97	3/4	2,278.58	3/4	2,024.19
11		11		11		11	3,545.23	11	3,290.84	11	3,036.45	11	2,782.06	11	2,527.67	11	2,273.28	11	2,018.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,539.93	1/4	3,285.54	1/4	3,031.15	1/4	2,776.76	1/4	2,522.37	1/4	2,267.98	1/4	2,013.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,534.63	1/2	3,280.24	1/2	3,025.85	1/2	2,771.46	1/2	2,517.07	1/2	2,262.68	1/2	2,008.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,529.33	3/4	3,274.94	3/4	3,020.55	3/4	2,766.16	3/4	2,511.77	3/4	2,257.38	3/4	2,002.99

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 24'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11323"

2 CENTER ULLAGE TABLE

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

GUAGE HEIGHT 17'-00"

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	1,743.30	0	1,488.91	0	1,234.52	0	980.13	0	726.88	0	475.95	0	223.02	0	0.46	0		0	
1/4	1,738.00	1/4	1,483.61	1/4	1,229.22	1/4	974.83	1/4	721.65	1/4	470.72	1/4	217.72	1/4		1/4		1/4	
1/2	1,732.70	1/2	1,478.31	1/2	1,223.92	1/2	969.53	1/2	716.42	1/2	465.49	1/2	212.42	1/2		1/2		1/2	
3/4	1,727.40	3/4	1,473.01	3/4	1,218.62	3/4	964.23	3/4	711.20	3/4	460.27	3/4	207.12	3/4		3/4		3/4	
1	1,722.10	1	1,467.71	1	1,213.32	1	958.93	1	705.97	1	455.04	1	201.82	1		1		1	
1/4	1,716.80	1/4	1,462.41	1/4	1,208.02	1/4	953.63	1/4	700.74	1/4	449.81	1/4	196.52	1/4		1/4		1/4	
1/2	1,711.50	1/2	1,457.11	1/2	1,202.72	1/2	948.33	1/2	695.51	1/2	444.58	1/2	191.22	1/2		1/2		1/2	
3/4	1,706.20	3/4	1,451.81	3/4	1,197.42	3/4	943.03	3/4	690.29	3/4	439.35	3/4	185.92	3/4		3/4		3/4	
2	1,700.90	2	1,446.51	2	1,192.12	2	937.73	2	685.06	2	434.13	2	180.62	2		2		2	
1/4	1,695.60	1/4	1,441.21	1/4	1,186.82	1/4	932.43	1/4	679.83	1/4	428.90	1/4	175.32	1/4		1/4		1/4	
1/2	1,690.30	1/2	1,435.91	1/2	1,181.52	1/2	927.13	1/2	674.60	1/2	423.67	1/2	170.03	1/2		1/2		1/2	
3/4	1,685.00	3/4	1,430.61	3/4	1,176.22	3/4	921.83	3/4	669.38	3/4	418.44	3/4	164.73	3/4		3/4		3/4	
3	1,679.70	3	1,425.31	3	1,170.92	3	916.53	3	664.15	3	413.21	3	159.43	3		3		3	
1/4	1,674.40	1/4	1,420.01	1/4	1,165.62	1/4	911.23	1/4	658.92	1/4	407.99	1/4	154.13	1/4		1/4		1/4	
1/2	1,669.10	1/2	1,414.71	1/2	1,160.32	1/2	905.93	1/2	653.69	1/2	402.76	1/2	148.83	1/2		1/2		1/2	
3/4	1,663.80	3/4	1,409.41	3/4	1,155.02	3/4	900.63	3/4	648.47	3/4	397.53	3/4	143.53	3/4		3/4		3/4	
4	1,658.50	4	1,404.11	4	1,149.72	4	895.33	4	643.24	4	392.30	4	138.23	4		4		4	
1/4	1,653.20	1/4	1,398.81	1/4	1,144.42	1/4	890.03	1/4	638.01	1/4	387.08	1/4	132.93	1/4		1/4		1/4	
1/2	1,647.90	1/2	1,393.51	1/2	1,139.12	1/2	884.73	1/2	632.78	1/2	381.85	1/2	127.63	1/2		1/2		1/2	
3/4	1,642.60	3/4	1,388.21	3/4	1,133.82	3/4	879.43	3/4	627.56	3/4	376.62	3/4	122.33	3/4		3/4		3/4	
5	1,637.30	5	1,382.91	5	1,128.52	5	874.13	5	622.33	5	371.39	5	117.03	5		5		5	
1/4	1,632.00	1/4	1,377.61	1/4	1,123.22	1/4	868.83	1/4	617.10	1/4	366.09	1/4	111.74	1/4		1/4		1/4	
1/2	1,626.70	1/2	1,372.31	1/2	1,117.92	1/2	863.53	1/2	611.87	1/2	360.79	1/2	106.44	1/2		1/2		1/2	
3/4	1,621.40	3/4	1,367.01	3/4	1,112.62	3/4	858.23	3/4	606.65	3/4	355.49	3/4	101.14	3/4		3/4		3/4	
6	1,616.10	6	1,361.71	6	1,107.32	6	852.93	6	601.42	6	350.19	6	95.84	6		6		6	
1/4	1,610.80	1/4	1,356.41	1/4	1,102.02	1/4	847.63	1/4	596.19	1/4	344.90	1/4	90.54	1/4		1/4		1/4	
1/2	1,605.50	1/2	1,351.11	1/2	1,096.72	1/2	842.33	1/2	590.96	1/2	339.60	1/2	85.24	1/2		1/2		1/2	
3/4	1,600.20	3/4	1,345.81	3/4	1,091.42	3/4	837.03	3/4	585.73	3/4	334.30	3/4	79.94	3/4		3/4		3/4	
7	1,594.90	7	1,340.51	7	1,086.12	7	831.73	7	580.51	7	329.00	7	74.64	7		7		7	
1/4	1,589.60	1/4	1,335.21	1/4	1,080.82	1/4	826.43	1/4	575.28	1/4	323.70	1/4	69.34	1/4		1/4		1/4	
1/2	1,584.30	1/2	1,329.91	1/2	1,075.52	1/2	821.13	1/2	570.05	1/2	318.40	1/2	64.04	1/2		1/2		1/2	
3/4	1,579.00	3/4	1,324.61	3/4	1,070.22	3/4	815.83	3/4	564.82	3/4	313.10	3/4	58.74	3/4		3/4		3/4	
8	1,573.70	8	1,319.31	8	1,064.92	8	810.53	8	559.60	8	307.80	8	53.45	8		8		8	
1/4	1,568.40	1/4	1,314.01	1/4	1,059.62	1/4	805.30	1/4	554.37	1/4	302.50	1/4	48.15	1/4		1/4		1/4	
1/2	1,563.10	1/2	1,308.71	1/2	1,054.32	1/2	800.08	1/2	549.14	1/2	297.20	1/2	42.85	1/2		1/2		1/2	
3/4	1,557.80	3/4	1,303.41	3/4	1,049.02	3/4	794.85	3/4	543.91	3/4	291.90	3/4	37.55	3/4		3/4		3/4	
9	1,552.50	9	1,298.11	9	1,043.72	9	789.62	9	538.68	9	286.61	9	32.25	9		9		9	
1/4	1,547.20	1/4	1,292.81	1/4	1,038.42	1/4	784.39	1/4	533.46	1/4	281.31	1/4	27.83	1/4		1/4		1/4	
1/2	1,541.90	1/2	1,287.51	1/2	1,033.12	1/2	779.16	1/2	528.23	1/2	276.01	1/2	23.42	1/2		1/2		1/2	
3/4	1,536.61	3/4	1,282.21	3/4	1,027.82	3/4	773.93	3/4	523.00	3/4	270.71	3/4	19.00	3/4		3/4		3/4	
10	1,531.31	10	1,276.91	10	1,022.52	10	768.70	10	517.77	10	265.41	10	14.59	10		10		10	
1/4	1,526.01	1/4	1,271.62	1/4	1,017.22	1/4	763.48	1/4	512.54	1/4	260.11	1/4	11.94	1/4		1/4		1/4	
1/2	1,520.71	1/2	1,266.32	1/2	1,011.92	1/2	758.25	1/2	507.32	1/2	254.81	1/2	9.29	1/2		1/2		1/2	
3/4	1,515.41	3/4	1,261.02	3/4	1,006.63	3/4	753.02	3/4	502.09	3/4	249.51	3/4	6.64	3/4		3/4		3/4	
11	1,510.11	11	1,255.72	11	1,001.33	11	747.79	11	496.86	11	244.21	11	3.99	11		11		11	
1/4	1,504.81	1/4	1,250.42	1/4	996.03	1/4	742.56	1/4	491.63	1/4	238.91	1/4	3.11	1/4		1/4		1/4	
1/2	1,499.51	1/2	1,245.12	1/2	990.73	1/2	737.34	1/2	486.41	1/2	233.61	1/2	2.22	1/2		1/2		1/2	
3/4	1,494.21	3/4	1,239.82	3/4	985.43	3/4	732.11	3/4	481.18	3/4	228.32	3/4	1.34	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/30/2007 CL - SW
CALCULATED: 05/31/2007 CL
PRINTED: 05/31/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 11323"

3 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 16'-11 3/4"

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	0	0	3,752.33	0	3,481.45	0	3,210.56	0	2,939.68	0	2,668.80	0	2,397.91	0	2,127.03		
1/4	1/4	1/4	1/4	1/4	1/4	3,746.69	1/4	3,475.80	1/4	3,204.92	1/4	2,934.04	1/4	2,663.15	1/4	2,392.27	1/4	2,121.39		
1/2	1/2	1/2	1/2	1/2	1/2	3,741.04	1/2	3,470.16	1/2	3,199.28	1/2	2,928.39	1/2	2,657.51	1/2	2,386.63	1/2	2,115.74		
3/4	3/4	3/4	3/4	3/4	3/4	3,735.40	3/4	3,464.52	3/4	3,193.63	3/4	2,922.75	3/4	2,651.87	3/4	2,380.98	3/4	2,110.10		
1	1	1	1	1	1	3,729.76	1	3,458.87	1	3,187.99	1	2,917.11	1	2,646.22	1	2,375.34	1	2,104.46		
1/4	1/4	1/4	1/4	1/4	1/4	3,724.11	1/4	3,453.23	1/4	3,182.35	1/4	2,911.46	1/4	2,640.58	1/4	2,369.70	1/4	2,098.81		
1/2	1/2	1/2	1/2	1/2	1/2	3,718.47	1/2	3,447.59	1/2	3,176.70	1/2	2,905.82	1/2	2,634.94	1/2	2,364.05	1/2	2,093.17		
3/4	3/4	3/4	3/4	3/4	3/4	3,712.83	3/4	3,441.94	3/4	3,171.06	3/4	2,900.18	3/4	2,629.29	3/4	2,358.41	3/4	2,087.53		
2	2	2	2	2	2	3,707.18	2	3,436.30	2	3,165.42	2	2,894.53	2	2,623.65	2	2,352.77	2	2,081.88		
1/4	1/4	1/4	1/4	1/4	1/4	3,701.54	1/4	3,430.66	1/4	3,159.77	1/4	2,888.89	1/4	2,618.01	1/4	2,347.12	1/4	2,076.24		
1/2	1/2	1/2	1/2	1/2	1/2	3,695.90	1/2	3,425.01	1/2	3,154.13	1/2	2,883.25	1/2	2,612.36	1/2	2,341.48	1/2	2,070.60		
3/4	3/4	3/4	3/4	3/4	3/4	3,690.25	3/4	3,419.37	3/4	3,148.49	3/4	2,877.60	3/4	2,606.72	3/4	2,335.84	3/4	2,064.95		
3	3	3	3	3	3	3,684.61	3	3,413.73	3	3,142.84	3	2,871.96	3	2,601.08	3	2,330.19	3	2,059.31		
1/4	1/4	1/4	1/4	1/4	1/4	3,678.97	1/4	3,408.08	1/4	3,137.20	1/4	2,866.32	1/4	2,595.43	1/4	2,324.55	1/4	2,053.67		
1/2	1/2	1/2	1/2	1/2	1/2	3,673.32	1/2	3,402.44	1/2	3,131.56	1/2	2,860.67	1/2	2,589.79	1/2	2,318.91	1/2	2,048.02		
3/4	3/4	3/4	3/4	3/4	3/4	3,667.68	3/4	3,396.80	3/4	3,125.91	3/4	2,855.03	3/4	2,584.15	3/4	2,313.26	3/4	2,042.38		
4	4	4	4	4	4	3,662.04	4	3,391.15	4	3,120.27	4	2,849.39	4	2,578.50	4	2,307.62	4	2,036.74		
1/4	1/4	1/4	1/4	1/4	1/4	3,656.39	1/4	3,385.51	1/4	3,114.63	1/4	2,843.74	1/4	2,572.86	1/4	2,301.98	1/4	2,031.09		
1/2	1/2	1/2	1/2	1/2	1/2	3,650.75	1/2	3,379.87	1/2	3,108.98	1/2	2,838.10	1/2	2,567.22	1/2	2,296.33	1/2	2,025.45		
3/4	3/4	3/4	3/4	3/4	3/4	3,645.11	3/4	3,374.22	3/4	3,103.34	3/4	2,832.46	3/4	2,561.57	3/4	2,290.69	3/4	2,019.81		
5	5	5	5	5	5	3,639.46	5	3,368.58	5	3,097.70	5	2,826.81	5	2,555.93	5	2,285.05	5	2,014.16		
1/4	1/4	1/4	1/4	1/4	1/4	3,633.82	1/4	3,362.94	1/4	3,092.05	1/4	2,821.17	1/4	2,550.29	1/4	2,279.40	1/4	2,008.52		
1/2	1/2	1/2	1/2	1/2	1/2	3,628.18	1/2	3,357.29	1/2	3,086.41	1/2	2,815.53	1/2	2,544.64	1/2	2,273.76	1/2	2,002.88		
3/4	3/4	3/4	3/4	3/4	3/4	3,622.53	3/4	3,351.65	3/4	3,080.77	3/4	2,809.88	3/4	2,539.00	3/4	2,268.12	3/4	1,997.23		
6	6	6	6	6	6	3,616.89	6	3,346.01	6	3,075.12	6	2,804.24	6	2,533.36	6	2,262.47	6	1,991.59		
1/4	1/4	1/4	1/4	1/4	1/4	3,611.24	1/4	3,340.36	1/4	3,069.48	1/4	2,798.60	1/4	2,527.71	1/4	2,256.83	1/4	1,985.95		
1/2	1/2	1/2	1/2	1/2	1/2	3,842.61	1/2	3,605.60	1/2	3,334.72	1/2	3,063.84	1/2	2,792.95	1/2	2,522.07	1/2	2,251.19	1/2	1,980.30
3/4	3/4	3/4	3/4	3/4	3/4	3,842.37	3/4	3,599.96	3/4	3,329.07	3/4	3,058.19	3/4	2,787.31	3/4	2,516.43	3/4	2,245.54	3/4	1,974.66
7	7	7	7	7	7	3,840.96	7	3,594.31	7	3,323.43	7	3,052.55	7	2,781.67	7	2,510.78	7	2,239.90	7	1,969.02
1/4	1/4	1/4	1/4	1/4	1/4	3,839.55	1/4	3,588.67	1/4	3,317.79	1/4	3,046.90	1/4	2,776.02	1/4	2,505.14	1/4	2,234.26	1/4	1,963.37
1/2	1/2	1/2	1/2	1/2	1/2	3,838.14	1/2	3,583.03	1/2	3,312.14	1/2	3,041.26	1/2	2,770.38	1/2	2,499.50	1/2	2,228.61	1/2	1,957.73
3/4	3/4	3/4	3/4	3/4	3/4	3,836.73	3/4	3,577.38	3/4	3,306.50	3/4	3,035.62	3/4	2,764.73	3/4	2,493.85	3/4	2,222.97	3/4	1,952.09
8	8	8	8	8	8	3,833.43	8	3,571.74	8	3,300.86	8	3,029.97	8	2,759.09	8	2,488.21	8	2,217.33	8	1,946.44
1/4	1/4	1/4	1/4	1/4	1/4	3,830.14	1/4	3,566.10	1/4	3,295.21	1/4	3,024.33	1/4	2,753.45	1/4	2,482.56	1/4	2,211.68	1/4	1,940.80
1/2	1/2	1/2	1/2	1/2	1/2	3,826.85	1/2	3,560.45	1/2	3,289.57	1/2	3,018.69	1/2	2,747.80	1/2	2,476.92	1/2	2,206.04	1/2	1,935.16
3/4	3/4	3/4	3/4	3/4	3/4	3,823.56	3/4	3,554.81	3/4	3,283.93	3/4	3,013.04	3/4	2,742.16	3/4	2,471.28	3/4	2,200.39	3/4	1,929.51
9	9	9	9	9	9	3,818.45	9	3,549.17	9	3,278.28	9	3,007.40	9	2,736.52	9	2,465.63	9	2,194.75	9	1,923.87
1/4	1/4	1/4	1/4	1/4	1/4	3,813.34	1/4	3,543.52	1/4	3,272.64	1/4	3,001.76	1/4	2,730.87	1/4	2,459.99	1/4	2,189.11	1/4	1,918.22
1/2	1/2	1/2	1/2	1/2	1/2	3,808.23	1/2	3,537.88	1/2	3,267.00	1/2	2,996.11	1/2	2,725.23	1/2	2,454.35	1/2	2,183.46	1/2	1,912.58
3/4	3/4	3/4	3/4	3/4	3/4	3,803.12	3/4	3,532.24	3/4	3,261.35	3/4	2,990.47	3/4	2,719.59	3/4	2,448.70	3/4	2,177.82	3/4	1,906.94
10	10	10	10	10	10	3,797.48	10	3,526.59	10	3,255.71	10	2,984.83	10	2,713.94	10	2,443.06	10	2,172.18	10	1,901.29
1/4	1/4	1/4	1/4	1/4	1/4	3,791.83	1/4	3,520.95	1/4	3,250.07	1/4	2,979.18	1/4	2,708.30	1/4	2,437.42	1/4	2,166.53	1/4	1,895.65
1/2	1/2	1/2	1/2	1/2	1/2	3,786.19	1/2	3,515.31	1/2	3,244.42	1/2	2,973.54	1/2	2,702.66	1/2	2,431.77	1/2	2,160.89	1/2	1,890.01
3/4	3/4	3/4	3/4	3/4	3/4	3,780.55	3/4	3,509.66	3/4	3,238.78	3/4	2,967.90	3/4	2,697.01	3/4	2,426.13	3/4	2,155.25	3/4	1,884.36
11	11	11	11	11	11	3,774.90	11	3,504.02	11	3,233.14	11	2,962.25	11	2,691.37	11	2,420.49	11	2,149.60	11	1,878.72
1/4	1/4	1/4	1/4	1/4	1/4	3,769.26	1/4	3,498.38	1/4	3,227.49	1/4	2,956.61	1/4	2,685.73	1/4	2,414.84	1/4	2,143.96	1/4	1,873.08
1/2	1/2	1/2	1/2	1/2	1/2	3,763.62	1/2	3,492.73	1/2	3,221.85	1/2	2,950.97	1/2	2,680.08	1/2	2,409.20	1/2	2,138.32	1/2	1,867.43
3/4	3/4	3/4	3/4	3/4	3/4	3,757.97	3/4	3,487.09	3/4	3,216.21	3/4	2,945.32	3/4	2,674.44	3/4	2,403.56	3/4	2,132.67	3/4	1,861.79

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

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BARGE "KIRBY 11323"

3 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 16'-11 3/4"

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	1,856.15	0	1,585.26	0	1,314.38	0	1,043.50	0	773.00	0	502.67	0	231.81	0		0		0	
1/4	1,850.50	1/4	1,579.62	1/4	1,308.74	1/4	1,037.85	1/4	767.38	1/4	497.03	1/4	226.17	1/4		1/4		1/4	
1/2	1,844.86	1/2	1,573.98	1/2	1,303.09	1/2	1,032.21	1/2	761.76	1/2	491.39	1/2	220.53	1/2		1/2		1/2	
3/4	1,839.22	3/4	1,568.33	3/4	1,297.45	3/4	1,026.57	3/4	756.14	3/4	485.75	3/4	214.89	3/4		3/4		3/4	
1	1,833.57	1	1,562.69	1	1,291.81	1	1,020.92	1	750.52	1	480.10	1	209.24	1		1		1	
1/4	1,827.93	1/4	1,557.05	1/4	1,286.16	1/4	1,015.28	1/4	744.90	1/4	474.46	1/4	203.60	1/4		1/4		1/4	
1/2	1,822.29	1/2	1,551.40	1/2	1,280.52	1/2	1,009.64	1/2	739.28	1/2	468.82	1/2	197.96	1/2		1/2		1/2	
3/4	1,816.64	3/4	1,545.76	3/4	1,274.88	3/4	1,003.99	3/4	733.66	3/4	463.17	3/4	192.31	3/4		3/4		3/4	
2	1,811.00	2	1,540.12	2	1,269.23	2	998.35	2	728.04	2	457.53	2	186.67	2		2		2	
1/4	1,805.36	1/4	1,534.47	1/4	1,263.59	1/4	992.71	1/4	722.42	1/4	451.89	1/4	181.03	1/4		1/4		1/4	
1/2	1,799.71	1/2	1,528.83	1/2	1,257.95	1/2	987.06	1/2	716.80	1/2	446.24	1/2	175.39	1/2		1/2		1/2	
3/4	1,794.07	3/4	1,523.19	3/4	1,252.30	3/4	981.42	3/4	711.18	3/4	440.60	3/4	169.74	3/4		3/4		3/4	
3	1,788.43	3	1,517.54	3	1,246.66	3	975.78	3	705.56	3	434.96	3	164.10	3		3		3	
1/4	1,782.78	1/4	1,511.90	1/4	1,241.02	1/4	970.13	1/4	699.94	1/4	429.32	1/4	158.46	1/4		1/4		1/4	
1/2	1,777.14	1/2	1,506.26	1/2	1,235.37	1/2	964.49	1/2	694.32	1/2	423.67	1/2	152.81	1/2		1/2		1/2	
3/4	1,771.50	3/4	1,500.61	3/4	1,229.73	3/4	958.85	3/4	688.71	3/4	418.03	3/4	147.17	3/4		3/4		3/4	
4	1,765.85	4	1,494.97	4	1,224.09	4	953.20	4	683.09	4	412.39	4	141.53	4		4		4	
1/4	1,760.21	1/4	1,489.33	1/4	1,218.44	1/4	947.56	1/4	677.47	1/4	406.74	1/4	135.89	1/4		1/4		1/4	
1/2	1,754.57	1/2	1,483.68	1/2	1,212.80	1/2	941.92	1/2	671.85	1/2	401.10	1/2	130.24	1/2		1/2		1/2	
3/4	1,748.92	3/4	1,478.04	3/4	1,207.16	3/4	936.27	3/4	666.23	3/4	395.46	3/4	124.60	3/4		3/4		3/4	
5	1,743.28	5	1,472.40	5	1,201.51	5	930.63	5	660.61	5	389.82	5	118.96	5		5		5	
1/4	1,737.64	1/4	1,466.75	1/4	1,195.87	1/4	924.99	1/4	654.99	1/4	384.17	1/4	113.31	1/4		1/4		1/4	
1/2	1,731.99	1/2	1,461.11	1/2	1,190.23	1/2	919.34	1/2	649.37	1/2	378.53	1/2	107.67	1/2		1/2		1/2	
3/4	1,726.35	3/4	1,455.47	3/4	1,184.58	3/4	913.70	3/4	643.75	3/4	372.89	3/4	102.03	3/4		3/4		3/4	
6	1,720.71	6	1,449.82	6	1,178.94	6	908.06	6	638.10	6	367.24	6	96.39	6		6		6	
1/4	1,715.06	1/4	1,444.18	1/4	1,173.30	1/4	902.41	1/4	632.46	1/4	361.60	1/4	90.74	1/4		1/4		1/4	
1/2	1,709.42	1/2	1,438.54	1/2	1,167.65	1/2	896.77	1/2	626.82	1/2	355.96	1/2	85.10	1/2		1/2		1/2	
3/4	1,703.78	3/4	1,432.89	3/4	1,162.01	3/4	891.13	3/4	621.17	3/4	350.32	3/4	79.46	3/4		3/4		3/4	
7	1,698.13	7	1,427.25	7	1,156.37	7	885.48	7	615.53	7	344.67	7	73.81	7		7		7	
1/4	1,692.49	1/4	1,421.61	1/4	1,150.72	1/4	879.84	1/4	609.89	1/4	339.03	1/4	68.17	1/4		1/4		1/4	
1/2	1,686.85	1/2	1,415.96	1/2	1,145.08	1/2	874.20	1/2	604.25	1/2	333.39	1/2	62.53	1/2		1/2		1/2	
3/4	1,681.20	3/4	1,410.32	3/4	1,139.44	3/4	868.55	3/4	598.60	3/4	327.74	3/4	56.88	3/4		3/4		3/4	
8	1,675.56	8	1,404.68	8	1,133.79	8	862.93	8	592.96	8	322.10	8	51.24	8		8		8	
1/4	1,669.92	1/4	1,399.03	1/4	1,128.15	1/4	857.31	1/4	587.32	1/4	316.46	1/4	45.60	1/4		1/4		1/4	
1/2	1,664.27	1/2	1,393.39	1/2	1,122.51	1/2	851.69	1/2	581.67	1/2	310.82	1/2	39.96	1/2		1/2		1/2	
3/4	1,658.63	3/4	1,387.75	3/4	1,116.86	3/4	846.07	3/4	576.03	3/4	305.17	3/4	34.31	3/4		3/4		3/4	
9	1,652.99	9	1,382.10	9	1,111.22	9	840.45	9	570.39	9	299.53	9	29.61	9		9		9	
1/4	1,647.34	1/4	1,376.46	1/4	1,105.58	1/4	834.83	1/4	564.75	1/4	293.89	1/4	24.91	1/4		1/4		1/4	
1/2	1,641.70	1/2	1,370.82	1/2	1,099.93	1/2	829.20	1/2	559.10	1/2	288.24	1/2	20.21	1/2		1/2		1/2	
3/4	1,636.05	3/4	1,365.17	3/4	1,094.29	3/4	823.58	3/4	553.46	3/4	282.60	3/4	15.50	3/4		3/4		3/4	
10	1,630.41	10	1,359.53	10	1,088.65	10	817.96	10	547.82	10	276.96	10	12.68	10		10		10	
1/4	1,624.77	1/4	1,353.88	1/4	1,083.00	1/4	812.34	1/4	542.17	1/4	271.32	1/4	9.86	1/4		1/4		1/4	
1/2	1,619.12	1/2	1,348.24	1/2	1,077.36	1/2	806.72	1/2	536.53	1/2	265.67	1/2	7.04	1/2		1/2		1/2	
3/4	1,613.48	3/4	1,342.60	3/4	1,071.71	3/4	801.10	3/4	530.89	3/4	260.03	3/4	4.22	3/4		3/4		3/4	
11	1,607.84	11	1,336.95	11	1,066.07	11	795.48	11	525.25	11	254.39	11	3.28	11		11		11	
1/4	1,602.19	1/4	1,331.31	1/4	1,060.43	1/4	789.86	1/4	519.60	1/4	248.74	1/4	2.34	1/4		1/4		1/4	
1/2	1,596.55	1/2	1,325.67	1/2	1,054.78	1/2	784.24	1/2	513.96	1/2	243.10	1/2	1.40	1/2		1/2		1/2	
3/4	1,590.91	3/4	1,320.02	3/4	1,049.14	3/4	778.62	3/4	508.32	3/4	237.46	3/4	0.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/30/2007 CL - SW
CALCULATED: 05/31/2007 CL
PRINTED: 05/31/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

PRECISION MEASUREMENT
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