



BARGE "KIRBY 28079"

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	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4
1 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4
2 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
2 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
3 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4
3 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-7/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 241'-09"

July 21, 2006

PRECISION MEASUREMENT
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 P.O. Box 2092
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<http://www.pmacorp.net>



BARGE "KIRBY 28079"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 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	4,514.37	0	4,182.07	0	3,826.01	0	3,459.95	0	3,093.89	0	2,727.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,832.89	1/4	4,507.69	1/4	4,174.86	1/4	3,818.39	1/4	3,452.33	1/4	3,086.26	1/4	2,720.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,827.26	1/2	4,501.00	1/2	4,167.65	1/2	3,810.76	1/2	3,444.70	1/2	3,078.64	1/2	2,712.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,821.62	3/4	4,494.32	3/4	4,160.44	3/4	3,803.13	3/4	3,437.07	3/4	3,071.01	3/4	2,704.95
1		1		1		1		1	4,814.79	1	4,487.60	1	4,153.19	1	3,795.51	1	3,429.45	1	3,063.38	1	2,697.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,807.97	1/4	4,480.88	1/4	4,145.95	1/4	3,787.88	1/4	3,421.82	1/4	3,055.76	1/4	2,689.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,801.14	1/2	4,474.17	1/2	4,138.70	1/2	3,780.26	1/2	3,414.19	1/2	3,048.13	1/2	2,682.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,794.31	3/4	4,467.45	3/4	4,131.45	3/4	3,772.63	3/4	3,406.57	3/4	3,040.50	3/4	2,674.44
2		2		2		2		2	4,786.85	2	4,460.70	2	4,124.17	2	3,765.00	2	3,398.94	2	3,032.88	2	2,666.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,779.39	1/4	4,453.94	1/4	4,116.88	1/4	3,757.38	1/4	3,391.31	1/4	3,025.25	1/4	2,659.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,771.93	1/2	4,447.19	1/2	4,109.59	1/2	3,749.75	1/2	3,383.69	1/2	3,017.63	1/2	2,651.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,764.47	3/4	4,440.44	3/4	4,102.31	3/4	3,742.12	3/4	3,376.06	3/4	3,010.00	3/4	2,643.94
3		3		3		3		3	4,756.93	3	4,433.65	3	4,094.99	3	3,734.50	3	3,368.44	3	3,002.37	3	2,636.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,749.38	1/4	4,426.86	1/4	4,087.67	1/4	3,726.87	1/4	3,360.81	1/4	2,994.75	1/4	2,628.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,741.84	1/2	4,420.07	1/2	4,080.35	1/2	3,719.25	1/2	3,353.18	1/2	2,987.12	1/2	2,621.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,734.30	3/4	4,413.28	3/4	4,073.03	3/4	3,711.62	3/4	3,345.56	3/4	2,979.49	3/4	2,613.43
4		4		4		4		4	4,727.04	4	4,406.45	4	4,065.68	4	3,703.99	4	3,337.93	4	2,971.87	4	2,605.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,719.77	1/4	4,399.63	1/4	4,058.32	1/4	3,696.37	1/4	3,330.30	1/4	2,964.24	1/4	2,598.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,712.51	1/2	4,392.80	1/2	4,050.97	1/2	3,688.74	1/2	3,322.68	1/2	2,956.62	1/2	2,590.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,705.25	3/4	4,385.97	3/4	4,043.62	3/4	3,681.11	3/4	3,315.05	3/4	2,948.99	3/4	2,582.93
5		5		5		5		5	4,698.54	5	4,379.11	5	4,036.23	5	3,673.49	5	3,307.43	5	2,941.36	5	2,575.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,691.82	1/4	4,372.25	1/4	4,028.84	1/4	3,665.86	1/4	3,299.80	1/4	2,933.74	1/4	2,567.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,685.11	1/2	4,365.38	1/2	4,021.45	1/2	3,658.24	1/2	3,292.17	1/2	2,926.11	1/2	2,560.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,678.40	3/4	4,358.52	3/4	4,014.06	3/4	3,650.61	3/4	3,284.55	3/4	2,918.48	3/4	2,552.42
6		6		6		6		6	4,671.93	6	4,351.62	6	4,006.64	6	3,642.98	6	3,276.92	6	2,910.86	6	2,544.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,665.47	1/4	4,344.71	1/4	3,999.21	1/4	3,635.36	1/4	3,269.29	1/4	2,903.23	1/4	2,537.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,659.01	1/2	4,337.81	1/2	3,991.79	1/2	3,627.73	1/2	3,261.67	1/2	2,895.61	1/2	2,529.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,652.55	3/4	4,330.91	3/4	3,984.36	3/4	3,620.10	3/4	3,254.04	3/4	2,887.98	3/4	2,521.92
7		7		7		7		7	4,646.05	7	4,323.95	7	3,976.90	7	3,612.48	7	3,246.42	7	2,880.35	7	2,514.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,639.55	1/4	4,316.99	1/4	3,969.44	1/4	3,604.85	1/4	3,238.79	1/4	2,872.73	1/4	2,506.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,633.05	1/2	4,310.03	1/2	3,961.97	1/2	3,597.22	1/2	3,231.16	1/2	2,865.10	1/2	2,499.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,626.55	3/4	4,303.07	3/4	3,954.51	3/4	3,589.60	3/4	3,223.54	3/4	2,857.47	3/4	2,491.41
8		8		8		8		8	4,620.01	8	4,296.03	8	3,947.01	8	3,581.97	8	3,215.91	8	2,849.85	8	2,483.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,613.47	1/4	4,288.99	1/4	3,939.51	1/4	3,574.35	1/4	3,208.28	1/4	2,842.22	1/4	2,476.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,606.93	1/2	4,281.95	1/2	3,932.01	1/2	3,566.72	1/2	3,200.66	1/2	2,834.59	1/2	2,468.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,600.40	3/4	4,274.91	3/4	3,924.51	3/4	3,559.09	3/4	3,193.03	3/4	2,826.97	3/4	2,460.91
9		9		9		9		9	4,593.82	9	4,267.81	9	3,916.97	9	3,551.47	9	3,185.40	9	2,819.34	9	2,453.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,587.25	1/4	4,260.71	1/4	3,909.44	1/4	3,543.84	1/4	3,177.78	1/4	2,811.72	1/4	2,445.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,580.67	1/2	4,253.62	1/2	3,901.90	1/2	3,536.21	1/2	3,170.15	1/2	2,804.09	1/2	2,438.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,574.10	3/4	4,246.52	3/4	3,894.36	3/4	3,528.59	3/4	3,162.53	3/4	2,796.46	3/4	2,430.40
10		10		10		10		10	4,567.49	10	4,239.38	10	3,886.79	10	3,520.96	10	3,154.90	10	2,788.84	10	2,422.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,560.88	1/4	4,232.25	1/4	3,879.21	1/4	3,513.34	1/4	3,147.27	1/4	2,781.21	1/4	2,415.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,554.26	1/2	4,225.11	1/2	3,871.64	1/2	3,505.71	1/2	3,139.65	1/2	2,773.58	1/2	2,407.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,547.65	3/4	4,217.97	3/4	3,864.06	3/4	3,498.08	3/4	3,132.02	3/4	2,765.96	3/4	2,399.90
11		11		11		11		11	4,541.00	11	4,210.80	11	3,856.46	11	3,490.46	11	3,124.39	11	2,758.33	11	2,392.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,534.35	1/4	4,203.63	1/4	3,848.85	1/4	3,482.83	1/4	3,116.77	1/4	2,750.71	1/4	2,384.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,527.70	1/2	4,196.46	1/2	3,841.24	1/2	3,475.20	1/2	3,109.14	1/2	2,743.08	1/2	2,377.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,521.05	3/4	4,189.28	3/4	3,833.64	3/4	3,467.58	3/4	3,101.52	3/4	2,735.45	3/4	2,369.39

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 53'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28079"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,361.76	0	1,995.70	0	1,629.63	0	1,264.20	0	900.24	0	534.53	0	188.09	0		0		0	
1/4	2,354.14	1/4	1,988.08	1/4	1,622.00	1/4	1,256.58	1/4	892.66	1/4	526.90	1/4	181.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,346.51	1/2	1,980.45	1/2	1,614.37	1/2	1,248.95	1/2	885.09	1/2	519.28	1/2	174.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,338.89	3/4	1,972.82	3/4	1,606.75	3/4	1,241.32	3/4	877.52	3/4	511.65	3/4	168.01	3/4	3/4	3/4	3/4	3/4	3/4
1	2,331.26	1	1,965.20	1	1,599.12	1	1,233.69	1	869.94	1	504.04	1	161.40	1		1		1	
1/4	2,323.63	1/4	1,957.57	1/4	1,591.49	1/4	1,226.07	1/4	862.35	1/4	496.44	1/4	154.79	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,316.01	1/2	1,949.94	1/2	1,583.87	1/2	1,218.44	1/2	854.77	1/2	488.83	1/2	148.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,308.38	3/4	1,942.32	3/4	1,576.24	3/4	1,210.81	3/4	847.18	3/4	481.23	3/4	141.58	3/4	3/4	3/4	3/4	3/4	3/4
2	2,300.75	2	1,934.69	2	1,568.61	2	1,203.20	2	839.57	2	473.68	2	135.07	2		2		2	
1/4	2,293.13	1/4	1,927.06	1/4	1,560.99	1/4	1,195.59	1/4	831.96	1/4	466.14	1/4	128.55	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,285.50	1/2	1,919.44	1/2	1,553.36	1/2	1,187.98	1/2	824.34	1/2	458.60	1/2	122.03	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,277.87	3/4	1,911.81	3/4	1,545.73	3/4	1,180.36	3/4	816.73	3/4	451.05	3/4	115.52	3/4	3/4	3/4	3/4	3/4	3/4
3	2,270.25	3	1,904.18	3	1,538.11	3	1,172.78	3	809.11	3	443.60	3	109.10	3		3		3	
1/4	2,262.62	1/4	1,896.56	1/4	1,530.48	1/4	1,165.19	1/4	801.48	1/4	436.14	1/4	102.68	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,255.00	1/2	1,888.93	1/2	1,522.85	1/2	1,157.61	1/2	793.85	1/2	428.68	1/2	96.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,247.37	3/4	1,881.30	3/4	1,515.23	3/4	1,150.02	3/4	786.22	3/4	421.22	3/4	89.85	3/4	3/4	3/4	3/4	3/4	3/4
4	2,239.74	4	1,873.68	4	1,507.60	4	1,142.45	4	778.60	4	413.85	4	83.53	4		4		4	
1/4	2,232.12	1/4	1,866.05	1/4	1,499.97	1/4	1,134.88	1/4	770.97	1/4	406.48	1/4	77.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,224.49	1/2	1,858.43	1/2	1,492.35	1/2	1,127.31	1/2	763.34	1/2	399.10	1/2	70.90	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,216.86	3/4	1,850.80	3/4	1,484.72	3/4	1,119.74	3/4	755.72	3/4	391.73	3/4	64.59	3/4	3/4	3/4	3/4	3/4	3/4
5	2,209.24	5	1,843.17	5	1,477.11	5	1,112.17	5	748.09	5	384.44	5	58.40	5		5		5	
1/4	2,201.61	1/4	1,835.55	1/4	1,469.50	1/4	1,104.60	1/4	740.46	1/4	377.16	1/4	52.20	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,193.99	1/2	1,827.92	1/2	1,461.88	1/2	1,097.03	1/2	732.84	1/2	369.87	1/2	46.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,186.36	3/4	1,820.29	3/4	1,454.27	3/4	1,089.46	3/4	725.21	3/4	362.58	3/4	39.81	3/4	3/4	3/4	3/4	3/4	3/4
6	2,178.73	6	1,812.67	6	1,446.67	6	1,081.89	6	717.58	6	355.38	6	34.31	6		6		6	
1/4	2,171.11	1/4	1,805.04	1/4	1,439.07	1/4	1,074.32	1/4	709.96	1/4	348.17	1/4	28.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,163.48	1/2	1,797.41	1/2	1,431.47	1/2	1,066.75	1/2	702.33	1/2	340.97	1/2	23.31	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,155.85	3/4	1,789.79	3/4	1,423.87	3/4	1,059.18	3/4	694.70	3/4	333.77	3/4	17.81	3/4	3/4	3/4	3/4	3/4	3/4
7	2,148.23	7	1,782.16	7	1,416.28	7	1,051.62	7	687.07	7	326.65	7	14.25	7		7		7	
1/4	2,140.60	1/4	1,774.53	1/4	1,408.68	1/4	1,044.05	1/4	679.45	1/4	319.53	1/4	10.70	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,132.98	1/2	1,766.91	1/2	1,401.08	1/2	1,036.48	1/2	671.82	1/2	312.41	1/2	7.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,125.35	3/4	1,759.28	3/4	1,393.48	3/4	1,028.91	3/4	664.19	3/4	305.29	3/4	3.58	3/4	3/4	3/4	3/4	3/4	3/4
8	2,117.72	8	1,751.65	8	1,385.88	8	1,021.34	8	656.57	8	298.26	8		8		8		8	
1/4	2,110.10	1/4	1,744.03	1/4	1,378.28	1/4	1,013.77	1/4	648.94	1/4	291.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,102.47	1/2	1,736.40	1/2	1,370.68	1/2	1,006.20	1/2	641.31	1/2	284.19	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,094.84	3/4	1,728.77	3/4	1,363.08	3/4	998.63	3/4	633.69	3/4	277.16	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,087.22	9	1,721.15	9	1,355.48	9	991.06	9	626.06	9	270.21	9		9		9		9	
1/4	2,079.59	1/4	1,713.52	1/4	1,347.88	1/4	983.50	1/4	618.43	1/4	263.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,071.96	1/2	1,705.89	1/2	1,340.28	1/2	975.93	1/2	610.80	1/2	256.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,064.34	3/4	1,698.27	3/4	1,332.68	3/4	968.36	3/4	603.18	3/4	249.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,056.71	10	1,690.64	10	1,325.08	10	960.79	10	595.55	10	242.50	10		10		10		10	
1/4	2,049.09	1/4	1,683.01	1/4	1,317.48	1/4	953.22	1/4	587.92	1/4	235.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,041.46	1/2	1,675.39	1/2	1,309.88	1/2	945.65	1/2	580.30	1/2	228.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,033.83	3/4	1,667.76	3/4	1,302.28	3/4	938.08	3/4	572.67	3/4	221.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,026.21	11	1,660.13	11	1,294.67	11	930.51	11	565.04	11	215.12	11		11		11		11	
1/4	2,018.58	1/4	1,652.51	1/4	1,287.06	1/4	922.94	1/4	557.41	1/4	208.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,010.95	1/2	1,644.88	1/2	1,279.44	1/2	915.38	1/2	549.79	1/2	201.57	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,003.33	3/4	1,637.25	3/4	1,271.83	3/4	907.81	3/4	542.16	3/4	194.79	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2006 CL - SW
CALCULATED: 07/21/2006 CL
PRINTED: 07/21/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2006

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



BARGE "KIRBY 28079"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 3/4"

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		0	4,513.61	0	4,181.48	0	3,825.59	0	3,459.70	0	3,093.81	0	2,727.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,506.93	1/4	4,174.27	1/4	3,817.96	1/4	3,452.08	1/4	3,086.19	1/4	2,720.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,500.25	1/2	4,167.06	1/2	3,810.34	1/2	3,444.45	1/2	3,078.57	1/2	2,712.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,820.71	3/4	4,493.57	3/4	4,159.86	3/4	3,802.72	3/4	3,436.83	3/4	3,070.94
1		1		1		1		1	4,813.89	1	4,486.86	1	4,152.61	1	3,795.10	1	3,429.21	1	3,063.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,807.06	1/4	4,480.14	1/4	4,145.37	1/4	3,787.48	1/4	3,421.59	1/4	3,055.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,800.24	1/2	4,473.43	1/2	4,138.12	1/2	3,779.85	1/2	3,413.96	1/2	3,048.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,793.42	3/4	4,466.71	3/4	4,130.88	3/4	3,772.23	3/4	3,406.34	3/4	3,040.45
2		2		2		2		2	4,785.96	2	4,459.97	2	4,123.60	2	3,764.61	2	3,398.72	2	3,032.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,778.50	1/4	4,453.22	1/4	4,116.31	1/4	3,756.99	1/4	3,391.10	1/4	3,025.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,771.04	1/2	4,446.47	1/2	4,109.03	1/2	3,749.36	1/2	3,383.47	1/2	3,017.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,763.59	3/4	4,439.72	3/4	4,101.75	3/4	3,741.74	3/4	3,375.85	3/4	3,009.96
3		3		3		3		3	4,756.05	3	4,432.93	3	4,094.43	3	3,734.12	3	3,368.23	3	3,002.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,748.51	1/4	4,426.15	1/4	4,087.12	1/4	3,726.49	1/4	3,360.61	1/4	2,994.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,740.97	1/2	4,419.36	1/2	4,079.80	1/2	3,718.87	1/2	3,352.98	1/2	2,987.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,733.43	3/4	4,412.57	3/4	4,072.48	3/4	3,711.25	3/4	3,345.36	3/4	2,979.47
4		4		4		4		4	4,726.17	4	4,405.75	4	4,065.14	4	3,703.63	4	3,337.74	4	2,971.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,718.92	1/4	4,398.93	1/4	4,057.79	1/4	3,696.00	1/4	3,330.11	1/4	2,964.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,711.66	1/2	4,392.10	1/2	4,050.44	1/2	3,688.38	1/2	3,322.49	1/2	2,956.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,704.40	3/4	4,385.28	3/4	4,043.09	3/4	3,680.76	3/4	3,314.87	3/4	2,948.98
5		5		5		5		5	4,697.69	5	4,378.42	5	4,035.70	5	3,673.14	5	3,307.25	5	2,941.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,690.98	1/4	4,371.56	1/4	4,028.32	1/4	3,665.51	1/4	3,299.62	1/4	2,933.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,684.27	1/2	4,364.70	1/2	4,020.93	1/2	3,657.89	1/2	3,292.00	1/2	2,926.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,677.56	3/4	4,357.84	3/4	4,013.55	3/4	3,650.27	3/4	3,284.38	3/4	2,918.49
6		6		6		6		6	4,671.10	6	4,350.94	6	4,006.13	6	3,642.65	6	3,276.76	6	2,910.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,664.64	1/4	4,344.04	1/4	3,998.70	1/4	3,635.02	1/4	3,269.13	1/4	2,903.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,658.18	1/2	4,337.14	1/2	3,991.28	1/2	3,627.40	1/2	3,261.51	1/2	2,895.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,651.72	3/4	4,330.24	3/4	3,983.86	3/4	3,619.78	3/4	3,253.89	3/4	2,888.00
7		7		7		7		7	4,645.22	7	4,323.29	7	3,976.40	7	3,612.15	7	3,246.26	7	2,880.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,638.73	1/4	4,316.33	1/4	3,968.94	1/4	3,604.53	1/4	3,238.64	1/4	2,872.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,632.23	1/2	4,309.37	1/2	3,961.48	1/2	3,596.91	1/2	3,231.02	1/2	2,865.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,625.73	3/4	4,302.42	3/4	3,954.02	3/4	3,589.29	3/4	3,223.40	3/4	2,857.51
8		8		8		8		8	4,619.20	8	4,295.38	8	3,946.53	8	3,581.66	8	3,215.77	8	2,849.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,612.67	1/4	4,288.34	1/4	3,939.03	1/4	3,574.04	1/4	3,208.15	1/4	2,842.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,606.13	1/2	4,281.31	1/2	3,931.53	1/2	3,566.42	1/2	3,200.53	1/2	2,834.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,599.60	3/4	4,274.27	3/4	3,924.04	3/4	3,558.80	3/4	3,192.91	3/4	2,827.02
9		9		9		9		9	4,593.03	9	4,267.17	9	3,916.50	9	3,551.17	9	3,185.28	9	2,819.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,586.45	1/4	4,260.08	1/4	3,908.97	1/4	3,543.55	1/4	3,177.66	1/4	2,811.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,579.88	1/2	4,252.99	1/2	3,901.44	1/2	3,535.93	1/2	3,170.04	1/2	2,804.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,573.31	3/4	4,245.89	3/4	3,893.90	3/4	3,528.30	3/4	3,162.42	3/4	2,796.53
10		10		10		10		10	4,566.70	10	4,238.76	10	3,886.33	10	3,520.68	10	3,154.79	10	2,788.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,560.10	1/4	4,231.63	1/4	3,878.76	1/4	3,513.06	1/4	3,147.17	1/4	2,781.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,553.49	1/2	4,224.49	1/2	3,871.19	1/2	3,505.44	1/2	3,139.55	1/2	2,773.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,546.88	3/4	4,217.36	3/4	3,863.62	3/4	3,497.81	3/4	3,131.92	3/4	2,766.03
11		11		11		11		11	4,540.23	11	4,210.19	11	3,856.01	11	3,490.19	11	3,124.30	11	2,758.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,533.59	1/4	4,203.02	1/4	3,848.41	1/4	3,482.57	1/4	3,116.68	1/4	2,750.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,526.94	1/2	4,195.85	1/2	3,840.81	1/2	3,474.95	1/2	3,109.06	1/2	2,743.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,520.29	3/4	4,188.68	3/4	3,833.21	3/4	3,467.32	3/4	3,101.43	3/4	2,735.54

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 53'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28079"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 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	2,362.03	0	1,996.14	0	1,630.24	0	1,264.99	0	900.06	0	534.27	0	188.00	0		0		0	
1/4	2,354.41	1/4	1,988.52	1/4	1,622.62	1/4	1,257.37	1/4	892.47	1/4	526.65	1/4	181.31	1/4		1/4		1/4	
1/2	2,346.79	1/2	1,980.90	1/2	1,614.99	1/2	1,249.74	1/2	884.87	1/2	519.02	1/2	174.61	1/2		1/2		1/2	
3/4	2,339.16	3/4	1,973.28	3/4	1,607.37	3/4	1,242.12	3/4	877.27	3/4	511.40	3/4	167.92	3/4		3/4		3/4	
1	2,331.54	1	1,965.65	1	1,599.75	1	1,234.50	1	869.66	1	503.80	1	161.32	1		1		1	
1/4	2,323.92	1/4	1,958.03	1/4	1,592.13	1/4	1,226.87	1/4	862.05	1/4	496.19	1/4	154.72	1/4		1/4		1/4	
1/2	2,316.30	1/2	1,950.41	1/2	1,584.50	1/2	1,219.25	1/2	854.44	1/2	488.59	1/2	148.11	1/2		1/2		1/2	
3/4	2,308.67	3/4	1,942.78	3/4	1,576.88	3/4	1,211.63	3/4	846.83	3/4	480.99	3/4	141.51	3/4		3/4		3/4	
2	2,301.05	2	1,935.16	2	1,569.26	2	1,204.00	2	839.21	2	473.45	2	135.00	2		2		2	
1/4	2,293.43	1/4	1,927.54	1/4	1,561.63	1/4	1,196.38	1/4	831.58	1/4	465.91	1/4	128.48	1/4		1/4		1/4	
1/2	2,285.80	1/2	1,919.91	1/2	1,554.01	1/2	1,188.75	1/2	823.96	1/2	458.37	1/2	121.97	1/2		1/2		1/2	
3/4	2,278.18	3/4	1,912.29	3/4	1,546.39	3/4	1,181.13	3/4	816.34	3/4	450.83	3/4	115.46	3/4		3/4		3/4	
3	2,270.56	3	1,904.67	3	1,538.76	3	1,173.52	3	808.71	3	443.38	3	109.04	3		3		3	
1/4	2,262.94	1/4	1,897.05	1/4	1,531.14	1/4	1,165.91	1/4	801.09	1/4	435.92	1/4	102.63	1/4		1/4		1/4	
1/2	2,255.31	1/2	1,889.42	1/2	1,523.52	1/2	1,158.30	1/2	793.47	1/2	428.47	1/2	96.21	1/2		1/2		1/2	
3/4	2,247.69	3/4	1,881.80	3/4	1,515.90	3/4	1,150.69	3/4	785.84	3/4	421.02	3/4	89.80	3/4		3/4		3/4	
4	2,240.07	4	1,874.18	4	1,508.27	4	1,143.09	4	778.22	4	413.65	4	83.49	4		4		4	
1/4	2,232.45	1/4	1,866.55	1/4	1,500.65	1/4	1,135.49	1/4	770.60	1/4	406.28	1/4	77.18	1/4		1/4		1/4	
1/2	2,224.82	1/2	1,858.93	1/2	1,493.03	1/2	1,127.90	1/2	762.97	1/2	398.91	1/2	70.87	1/2		1/2		1/2	
3/4	2,217.20	3/4	1,851.31	3/4	1,485.40	3/4	1,120.30	3/4	755.35	3/4	391.54	3/4	64.56	3/4		3/4		3/4	
5	2,209.58	5	1,843.68	5	1,477.79	5	1,112.71	5	747.73	5	384.25	5	58.36	5		5		5	
1/4	2,201.95	1/4	1,836.06	1/4	1,470.19	1/4	1,105.11	1/4	740.10	1/4	376.97	1/4	52.17	1/4		1/4		1/4	
1/2	2,194.33	1/2	1,828.44	1/2	1,462.58	1/2	1,097.52	1/2	732.48	1/2	369.68	1/2	45.98	1/2		1/2		1/2	
3/4	2,186.71	3/4	1,820.82	3/4	1,454.97	3/4	1,089.92	3/4	724.86	3/4	362.40	3/4	39.79	3/4		3/4		3/4	
6	2,179.09	6	1,813.19	6	1,447.37	6	1,082.33	6	717.23	6	355.20	6	34.29	6		6		6	
1/4	2,171.46	1/4	1,805.57	1/4	1,439.78	1/4	1,074.74	1/4	709.61	1/4	348.00	1/4	28.79	1/4		1/4		1/4	
1/2	2,163.84	1/2	1,797.95	1/2	1,432.18	1/2	1,067.14	1/2	701.99	1/2	340.80	1/2	23.30	1/2		1/2		1/2	
3/4	2,156.22	3/4	1,790.32	3/4	1,424.59	3/4	1,059.55	3/4	694.36	3/4	333.60	3/4	17.80	3/4		3/4		3/4	
7	2,148.60	7	1,782.70	7	1,416.99	7	1,051.95	7	686.74	7	326.49	7	14.25	7		7		7	
1/4	2,140.97	1/4	1,775.08	1/4	1,409.40	1/4	1,044.36	1/4	679.12	1/4	319.37	1/4	10.69	1/4		1/4		1/4	
1/2	2,133.35	1/2	1,767.45	1/2	1,401.80	1/2	1,036.76	1/2	671.49	1/2	312.25	1/2	7.14	1/2		1/2		1/2	
3/4	2,125.73	3/4	1,759.83	3/4	1,394.20	3/4	1,029.17	3/4	663.87	3/4	305.14	3/4	3.58	3/4		3/4		3/4	
8	2,118.11	8	1,752.21	8	1,386.61	8	1,021.57	8	656.25	8	298.11	8		8		8		8	
1/4	2,110.48	1/4	1,744.59	1/4	1,379.01	1/4	1,013.98	1/4	648.62	1/4	291.08	1/4		1/4		1/4		1/4	
1/2	2,102.86	1/2	1,736.96	1/2	1,371.42	1/2	1,006.39	1/2	641.00	1/2	284.05	1/2		1/2		1/2		1/2	
3/4	2,095.24	3/4	1,729.34	3/4	1,363.82	3/4	998.79	3/4	633.38	3/4	277.02	3/4		3/4		3/4		3/4	
9	2,087.61	9	1,721.72	9	1,356.23	9	991.20	9	625.75	9	270.07	9		9		9		9	
1/4	2,079.99	1/4	1,714.09	1/4	1,348.63	1/4	983.60	1/4	618.13	1/4	263.13	1/4		1/4		1/4		1/4	
1/2	2,072.37	1/2	1,706.47	1/2	1,341.03	1/2	976.01	1/2	610.51	1/2	256.18	1/2		1/2		1/2		1/2	
3/4	2,064.75	3/4	1,698.85	3/4	1,333.44	3/4	968.41	3/4	602.88	3/4	249.24	3/4		3/4		3/4		3/4	
10	2,057.12	10	1,691.22	10	1,325.84	10	960.82	10	595.26	10	242.37	10		10		10		10	
1/4	2,049.50	1/4	1,683.60	1/4	1,318.25	1/4	953.23	1/4	587.64	1/4	235.51	1/4		1/4		1/4		1/4	
1/2	2,041.88	1/2	1,675.98	1/2	1,310.65	1/2	945.63	1/2	580.01	1/2	228.65	1/2		1/2		1/2		1/2	
3/4	2,034.26	3/4	1,668.36	3/4	1,303.05	3/4	938.04	3/4	572.39	3/4	221.79	3/4		3/4		3/4		3/4	
11	2,026.63	11	1,660.73	11	1,295.44	11	930.44	11	564.76	11	215.02	11		11		11		11	
1/4	2,019.01	1/4	1,653.11	1/4	1,287.83	1/4	922.85	1/4	557.14	1/4	208.24	1/4		1/4		1/4		1/4	
1/2	2,011.39	1/2	1,645.49	1/2	1,280.22	1/2	915.25	1/2	549.52	1/2	201.46	1/2		1/2		1/2		1/2	
3/4	2,003.76	3/4	1,637.86	3/4	1,272.61	3/4	907.66	3/4	541.89	3/4	194.69	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2006 CL - SW
CALCULATED: 07/21/2006 CL
PRINTED: 07/21/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2006

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



BARGE "KIRBY 28079"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08"

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		0	4,536.00	0	4,206.79	0	3,853.89	0	3,490.65	0	3,127.41	0	2,764.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,529.37	1/4	4,199.64	1/4	3,846.32	1/4	3,483.08	1/4	3,119.84	1/4	2,756.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,522.74	1/2	4,192.48	1/2	3,838.75	1/2	3,475.52	1/2	3,112.28	1/2	2,749.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,839.83	3/4	4,516.10	3/4	4,185.33	3/4	3,831.19	3/4	3,467.95	3/4	3,104.71
1		1		1		1		1	4,834.24	1	4,509.47	1	4,178.17	1	3,823.62	1	3,460.38	1	3,097.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,827.47	1/4	4,502.81	1/4	4,170.98	1/4	3,816.05	1/4	3,452.81	1/4	3,089.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,820.69	1/2	4,496.14	1/2	4,163.79	1/2	3,808.49	1/2	3,445.25	1/2	3,082.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,813.92	3/4	4,489.48	3/4	4,156.60	3/4	3,800.92	3/4	3,437.68	3/4	3,074.44
2		2		2		2		2	4,807.14	2	4,482.81	2	4,149.41	2	3,793.35	2	3,430.11	2	3,066.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,799.74	1/4	4,476.11	1/4	4,142.18	1/4	3,785.78	1/4	3,422.54	1/4	3,059.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,792.34	1/2	4,469.41	1/2	4,134.95	1/2	3,778.22	1/2	3,414.98	1/2	3,051.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,784.93	3/4	4,462.71	3/4	4,127.72	3/4	3,770.65	3/4	3,407.41	3/4	3,044.17
3		3		3		3		3	4,777.53	3	4,456.01	3	4,120.49	3	3,763.08	3	3,399.84	3	3,036.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,770.04	1/4	4,449.27	1/4	4,113.23	1/4	3,755.51	1/4	3,392.27	1/4	3,029.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,762.56	1/2	4,442.54	1/2	4,105.96	1/2	3,747.95	1/2	3,384.71	1/2	3,021.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,755.08	3/4	4,435.80	3/4	4,098.70	3/4	3,740.38	3/4	3,377.14	3/4	3,013.90
4		4		4		4		4	4,747.59	4	4,429.06	4	4,091.43	4	3,732.81	4	3,369.57	4	3,006.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,740.39	1/4	4,422.29	1/4	4,084.14	1/4	3,725.24	1/4	3,362.00	1/4	2,998.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,733.18	1/2	4,415.52	1/2	4,076.84	1/2	3,717.68	1/2	3,354.44	1/2	2,991.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,725.98	3/4	4,408.74	3/4	4,069.55	3/4	3,710.11	3/4	3,346.87	3/4	2,983.63
5		5		5		5		5	4,718.77	5	4,401.97	5	4,062.25	5	3,702.54	5	3,339.30	5	2,976.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,712.11	1/4	4,395.16	1/4	4,054.92	1/4	3,694.97	1/4	3,331.73	1/4	2,968.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,705.45	1/2	4,388.35	1/2	4,047.59	1/2	3,687.41	1/2	3,324.17	1/2	2,960.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,698.79	3/4	4,381.53	3/4	4,040.26	3/4	3,679.84	3/4	3,316.60	3/4	2,953.36
6		6		6		6		6	4,692.12	6	4,374.72	6	4,032.92	6	3,672.27	6	3,309.03	6	2,945.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,685.71	1/4	4,367.88	1/4	4,025.56	1/4	3,664.70	1/4	3,301.46	1/4	2,938.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,679.30	1/2	4,361.03	1/2	4,018.19	1/2	3,657.14	1/2	3,293.90	1/2	2,930.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,672.89	3/4	4,354.18	3/4	4,010.82	3/4	3,649.57	3/4	3,286.33	3/4	2,923.09
7		7		7		7		7	4,666.47	7	4,347.33	7	4,003.45	7	3,642.00	7	3,278.76	7	2,915.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,660.02	1/4	4,340.43	1/4	3,996.05	1/4	3,634.43	1/4	3,271.19	1/4	2,907.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,653.58	1/2	4,333.52	1/2	3,988.64	1/2	3,626.87	1/2	3,263.63	1/2	2,900.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,647.13	3/4	4,326.61	3/4	3,981.24	3/4	3,619.30	3/4	3,256.06	3/4	2,892.82
8		8		8		8		8	4,640.68	8	4,319.71	8	3,973.83	8	3,611.73	8	3,248.49	8	2,885.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,634.19	1/4	4,312.72	1/4	3,966.39	1/4	3,604.16	1/4	3,240.92	1/4	2,877.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,627.70	1/2	4,305.74	1/2	3,958.95	1/2	3,596.60	1/2	3,233.36	1/2	2,870.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,621.22	3/4	4,298.75	3/4	3,951.50	3/4	3,589.03	3/4	3,225.79	3/4	2,862.55
9		9		9		9		9	4,614.73	9	4,291.76	9	3,944.06	9	3,581.46	9	3,218.22	9	2,854.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,608.21	1/4	4,284.72	1/4	3,936.58	1/4	3,573.89	1/4	3,210.65	1/4	2,847.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,601.68	1/2	4,277.68	1/2	3,929.10	1/2	3,566.33	1/2	3,203.09	1/2	2,839.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,595.16	3/4	4,270.63	3/4	3,921.62	3/4	3,558.76	3/4	3,195.52	3/4	2,832.28
10		10		10		10		10	4,588.64	10	4,263.59	10	3,914.14	10	3,551.19	10	3,187.95	10	2,824.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,582.08	1/4	4,256.51	1/4	3,906.63	1/4	3,543.62	1/4	3,180.38	1/4	2,817.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,575.51	1/2	4,249.43	1/2	3,899.11	1/2	3,536.06	1/2	3,172.82	1/2	2,809.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,568.95	3/4	4,242.35	3/4	3,891.59	3/4	3,528.49	3/4	3,165.25	3/4	2,802.01
11		11		11		11		11	4,562.39	11	4,235.27	11	3,884.08	11	3,520.92	11	3,157.68	11	2,794.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,555.80	1/4	4,228.15	1/4	3,876.53	1/4	3,513.35	1/4	3,150.11	1/4	2,786.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,549.20	1/2	4,221.03	1/2	3,868.98	1/2	3,505.79	1/2	3,142.55	1/2	2,779.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,542.60	3/4	4,213.91	3/4	3,861.43	3/4	3,498.22	3/4	3,134.98	3/4	2,771.74

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 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28079"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08"

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	2,400.93	0	2,037.69	0	1,674.44	0	1,315.06	0	964.20	0	605.29	0	242.00	0		0		0	
1/4	2,393.36	1/4	2,030.12	1/4	1,666.87	1/4	1,307.49	1/4	956.96	1/4	597.72	1/4	234.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,385.80	1/2	2,022.55	1/2	1,659.30	1/2	1,299.93	1/2	949.71	1/2	590.16	1/2	226.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,378.23	3/4	2,014.99	3/4	1,651.73	3/4	1,292.36	3/4	942.47	3/4	582.59	3/4	219.30	3/4	3/4	3/4	3/4	3/4	3/4
1	2,370.66	1	2,007.42	1	1,644.17	1	1,284.79	1	935.23	1	575.02	1	211.73	1		1		1	
1/4	2,363.09	1/4	1,999.85	1/4	1,636.60	1/4	1,277.22	1/4	927.98	1/4	567.45	1/4	204.17	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,355.53	1/2	1,992.28	1/2	1,629.03	1/2	1,269.65	1/2	920.73	1/2	559.88	1/2	196.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,347.96	3/4	1,984.71	3/4	1,621.46	3/4	1,262.08	3/4	913.47	3/4	552.31	3/4	189.03	3/4	3/4	3/4	3/4	3/4	3/4
2	2,340.39	2	1,977.15	2	1,613.90	2	1,254.52	2	906.22	2	544.74	2	181.47	2		2		2	
1/4	2,332.82	1/4	1,969.58	1/4	1,606.33	1/4	1,247.10	1/4	898.95	1/4	537.18	1/4	173.91	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,325.26	1/2	1,962.01	1/2	1,598.76	1/2	1,239.68	1/2	891.68	1/2	529.61	1/2	166.35	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,317.69	3/4	1,954.44	3/4	1,591.19	3/4	1,232.26	3/4	884.42	3/4	522.04	3/4	158.79	3/4	3/4	3/4	3/4	3/4	3/4
3	2,310.12	3	1,946.87	3	1,583.63	3	1,224.84	3	877.15	3	514.47	3	151.23	3		3		3	
1/4	2,302.55	1/4	1,939.31	1/4	1,576.06	1/4	1,217.59	1/4	869.73	1/4	506.90	1/4	143.69	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,294.99	1/2	1,931.74	1/2	1,568.49	1/2	1,210.33	1/2	862.31	1/2	499.33	1/2	136.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,287.42	3/4	1,924.17	3/4	1,560.92	3/4	1,203.08	3/4	854.90	3/4	491.77	3/4	128.59	3/4	3/4	3/4	3/4	3/4	3/4
4	2,279.85	4	1,916.60	4	1,553.35	4	1,195.83	4	847.48	4	484.20	4	121.05	4		4		4	
1/4	2,272.28	1/4	1,909.04	1/4	1,545.77	1/4	1,188.59	1/4	839.91	1/4	476.63	1/4	113.52	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,264.72	1/2	1,901.47	1/2	1,538.38	1/2	1,181.35	1/2	832.34	1/2	469.06	1/2	105.99	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,257.15	3/4	1,893.90	3/4	1,530.89	3/4	1,174.10	3/4	824.77	3/4	461.49	3/4	98.46	3/4	3/4	3/4	3/4	3/4	3/4
5	2,249.58	5	1,886.33	5	1,523.41	5	1,166.86	5	817.21	5	453.92	5	90.94	5		5		5	
1/4	2,242.01	1/4	1,878.77	1/4	1,516.00	1/4	1,159.63	1/4	809.64	1/4	446.35	1/4	83.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,234.45	1/2	1,871.20	1/2	1,508.59	1/2	1,152.39	1/2	802.07	1/2	438.79	1/2	75.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,226.88	3/4	1,863.63	3/4	1,501.19	3/4	1,145.15	3/4	794.50	3/4	431.22	3/4	68.46	3/4	3/4	3/4	3/4	3/4	3/4
6	2,219.31	6	1,856.06	6	1,493.78	6	1,137.91	6	786.93	6	423.65	6	60.96	6		6		6	
1/4	2,211.74	1/4	1,848.49	1/4	1,486.38	1/4	1,130.67	1/4	779.36	1/4	416.08	1/4	54.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,204.18	1/2	1,840.93	1/2	1,478.97	1/2	1,123.44	1/2	771.80	1/2	408.51	1/2	47.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,196.61	3/4	1,833.36	3/4	1,471.57	3/4	1,116.20	3/4	764.23	3/4	400.94	3/4	40.30	3/4	3/4	3/4	3/4	3/4	3/4
7	2,189.04	7	1,825.79	7	1,464.16	7	1,108.96	7	756.66	7	393.37	7	33.41	7		7		7	
1/4	2,181.47	1/4	1,818.22	1/4	1,456.75	1/4	1,101.72	1/4	749.09	1/4	385.81	1/4	28.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,173.91	1/2	1,810.66	1/2	1,449.35	1/2	1,094.48	1/2	741.52	1/2	378.24	1/2	23.32	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,166.34	3/4	1,803.09	3/4	1,441.94	3/4	1,087.24	3/4	733.96	3/4	370.67	3/4	18.28	3/4	3/4	3/4	3/4	3/4	3/4
8	2,158.77	8	1,795.52	8	1,434.54	8	1,080.01	8	726.39	8	363.10	8	13.24	8		8		8	
1/4	2,151.20	1/4	1,787.95	1/4	1,427.13	1/4	1,072.77	1/4	718.82	1/4	355.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,143.64	1/2	1,780.39	1/2	1,419.72	1/2	1,065.53	1/2	711.25	1/2	347.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,136.07	3/4	1,772.82	3/4	1,412.32	3/4	1,058.29	3/4	703.68	3/4	340.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,128.50	9	1,765.25	9	1,404.91	9	1,051.05	9	696.12	9	332.83	9		9		9		9	
1/4	2,120.93	1/4	1,757.68	1/4	1,397.51	1/4	1,043.82	1/4	688.55	1/4	325.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,113.37	1/2	1,750.11	1/2	1,390.10	1/2	1,036.58	1/2	680.98	1/2	317.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,105.80	3/4	1,742.55	3/4	1,382.69	3/4	1,029.34	3/4	673.41	3/4	310.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,098.23	10	1,734.98	10	1,375.29	10	1,022.10	10	665.84	10	302.55	10		10		10		10	
1/4	2,090.66	1/4	1,727.41	1/4	1,367.80	1/4	1,014.86	1/4	658.27	1/4	294.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,083.10	1/2	1,719.84	1/2	1,360.31	1/2	1,007.62	1/2	650.70	1/2	287.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,075.53	3/4	1,712.28	3/4	1,352.82	3/4	1,000.39	3/4	643.14	3/4	279.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,067.96	11	1,704.71	11	1,345.34	11	993.15	11	635.57	11	272.28	11		11		11		11	
1/4	2,060.39	1/4	1,697.14	1/4	1,337.77	1/4	985.91	1/4	628.00	1/4	264.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,052.83	1/2	1,689.57	1/2	1,330.20	1/2	978.67	1/2	620.43	1/2	257.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,045.26	3/4	1,682.01	3/4	1,322.63	3/4	971.43	3/4	612.86	3/4	249.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2006 CL - SW
CALCULATED: 07/21/2006 CL
PRINTED: 07/21/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2006

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28079"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 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		0	4,539.48	0	4,209.14	0	3,855.33	0	3,492.00	0	3,128.67	0	2,765.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,532.84	1/4	4,201.99	1/4	3,847.76	1/4	3,484.43	1/4	3,121.11	1/4	2,757.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,851.06	1/2	4,526.21	1/2	4,194.83	1/2	3,840.19	1/2	3,476.86	1/2	3,113.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,844.29	3/4	4,519.54	3/4	4,187.64	3/4	3,832.62	3/4	3,469.29	3/4	3,105.97
1		1		1		1		1	4,837.51	1	4,512.88	1	4,180.44	1	3,825.05	1	3,461.72	1	3,098.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,830.73	1/4	4,506.21	1/4	4,173.25	1/4	3,817.48	1/4	3,454.15	1/4	3,090.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,823.96	1/2	4,499.54	1/2	4,166.05	1/2	3,809.91	1/2	3,446.59	1/2	3,083.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,816.55	3/4	4,492.84	3/4	4,158.82	3/4	3,802.34	3/4	3,439.02	3/4	3,075.69
2		2		2		2		2	4,809.15	2	4,486.14	2	4,151.59	2	3,794.77	2	3,431.45	2	3,068.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,801.74	1/4	4,479.44	1/4	4,144.36	1/4	3,787.20	1/4	3,423.88	1/4	3,060.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,794.33	1/2	4,472.74	1/2	4,137.13	1/2	3,779.63	1/2	3,416.31	1/2	3,052.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.85	3/4	4,466.00	3/4	4,129.87	3/4	3,772.07	3/4	3,408.74	3/4	3,045.41
3		3		3		3		3	4,779.36	3	4,459.26	3	4,122.60	3	3,764.50	3	3,401.17	3	3,037.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,771.88	1/4	4,452.52	1/4	4,115.33	1/4	3,756.93	1/4	3,393.60	1/4	3,030.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,764.39	1/2	4,445.78	1/2	4,108.07	1/2	3,749.36	1/2	3,386.03	1/2	3,022.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,757.18	3/4	4,439.01	3/4	4,100.77	3/4	3,741.79	3/4	3,378.46	3/4	3,015.14
4		4		4		4		4	4,749.98	4	4,432.23	4	4,093.47	4	3,734.22	4	3,370.89	4	3,007.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,742.77	1/4	4,425.45	1/4	4,086.17	1/4	3,726.65	1/4	3,363.32	1/4	3,000.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,735.56	1/2	4,418.68	1/2	4,078.88	1/2	3,719.08	1/2	3,355.75	1/2	2,992.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,728.90	3/4	4,411.87	3/4	4,071.54	3/4	3,711.51	3/4	3,348.18	3/4	2,984.86
5		5		5		5		5	4,722.23	5	4,405.05	5	4,064.21	5	3,703.94	5	3,340.62	5	2,977.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,715.57	1/4	4,398.24	1/4	4,056.88	1/4	3,696.37	1/4	3,333.05	1/4	2,969.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,708.91	1/2	4,391.43	1/2	4,049.54	1/2	3,688.80	1/2	3,325.48	1/2	2,962.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,702.49	3/4	4,384.58	3/4	4,042.17	3/4	3,681.23	3/4	3,317.91	3/4	2,954.58
6		6		6		6		6	4,696.08	6	4,377.73	6	4,034.80	6	3,673.66	6	3,310.34	6	2,947.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,689.67	1/4	4,370.88	1/4	4,027.43	1/4	3,666.10	1/4	3,302.77	1/4	2,939.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,683.25	1/2	4,364.03	1/2	4,020.06	1/2	3,658.53	1/2	3,295.20	1/2	2,931.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,676.80	3/4	4,357.12	3/4	4,012.66	3/4	3,650.96	3/4	3,287.63	3/4	2,924.30
7		7		7		7		7	4,670.35	7	4,350.21	7	4,005.25	7	3,643.39	7	3,280.06	7	2,916.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,663.90	1/4	4,343.30	1/4	3,997.84	1/4	3,635.82	1/4	3,272.49	1/4	2,909.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,657.45	1/2	4,336.40	1/2	3,990.44	1/2	3,628.25	1/2	3,264.92	1/2	2,901.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,650.96	3/4	4,329.41	3/4	3,982.99	3/4	3,620.68	3/4	3,257.35	3/4	2,894.03
8		8		8		8		8	4,644.47	8	4,322.42	8	3,975.55	8	3,613.11	8	3,249.78	8	2,886.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,637.98	1/4	4,315.43	1/4	3,968.10	1/4	3,605.54	1/4	3,242.21	1/4	2,878.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,631.49	1/2	4,308.45	1/2	3,960.66	1/2	3,597.97	1/2	3,234.65	1/2	2,871.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,624.97	3/4	4,301.40	3/4	3,953.18	3/4	3,590.40	3/4	3,227.08	3/4	2,863.75
9		9		9		9		9	4,618.44	9	4,294.36	9	3,945.70	9	3,582.83	9	3,219.51	9	2,856.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,611.92	1/4	4,287.31	1/4	3,938.22	1/4	3,575.26	1/4	3,211.94	1/4	2,848.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,605.39	1/2	4,280.26	1/2	3,930.73	1/2	3,567.69	1/2	3,204.37	1/2	2,841.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,598.83	3/4	4,273.18	3/4	3,923.22	3/4	3,560.13	3/4	3,196.80	3/4	2,833.47
10		10		10		10		10	4,592.27	10	4,266.10	10	3,915.70	10	3,552.56	10	3,189.23	10	2,825.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,585.71	1/4	4,259.02	1/4	3,908.18	1/4	3,544.99	1/4	3,181.66	1/4	2,818.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,579.14	1/2	4,251.93	1/2	3,900.66	1/2	3,537.42	1/2	3,174.09	1/2	2,810.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,572.54	3/4	4,244.81	3/4	3,893.11	3/4	3,529.85	3/4	3,166.52	3/4	2,803.20
11		11		11		11		11	4,565.94	11	4,237.70	11	3,885.56	11	3,522.28	11	3,158.95	11	2,795.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,559.35	1/4	4,230.58	1/4	3,878.01	1/4	3,514.71	1/4	3,151.38	1/4	2,788.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,552.75	1/2	4,223.46	1/2	3,870.46	1/2	3,507.14	1/2	3,143.81	1/2	2,780.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,546.11	3/4	4,216.30	3/4	3,862.89	3/4	3,499.57	3/4	3,136.24	3/4	2,772.92

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 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28079"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 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	2,402.02	0	2,038.69	0	1,675.36	0	1,315.89	0	953.55	0	590.30	0	226.92	0		0		0	
1/4	2,394.45	1/4	2,031.12	1/4	1,667.79	1/4	1,308.32	1/4	946.01	1/4	582.73	1/4	219.35	1/4		1/4		1/4	
1/2	2,386.88	1/2	2,023.55	1/2	1,660.22	1/2	1,300.75	1/2	938.47	1/2	575.16	1/2	211.78	1/2		1/2		1/2	
3/4	2,379.31	3/4	2,015.98	3/4	1,652.65	3/4	1,293.18	3/4	930.91	3/4	567.59	3/4	204.21	3/4		3/4		3/4	
1	2,371.74	1	2,008.41	1	1,645.08	1	1,285.61	1	923.35	1	560.01	1	196.65	1		1		1	
1/4	2,364.18	1/4	2,000.84	1/4	1,637.51	1/4	1,278.04	1/4	915.79	1/4	552.44	1/4	189.08	1/4		1/4		1/4	
1/2	2,356.61	1/2	1,993.28	1/2	1,629.94	1/2	1,270.47	1/2	908.24	1/2	544.87	1/2	181.51	1/2		1/2		1/2	
3/4	2,349.04	3/4	1,985.71	3/4	1,622.37	3/4	1,262.90	3/4	900.67	3/4	537.30	3/4	173.95	3/4		3/4		3/4	
2	2,341.47	2	1,978.14	2	1,614.80	2	1,255.33	2	893.10	2	529.73	2	166.39	2		2		2	
1/4	2,333.90	1/4	1,970.57	1/4	1,607.23	1/4	1,247.76	1/4	885.53	1/4	522.16	1/4	158.83	1/4		1/4		1/4	
1/2	2,326.33	1/2	1,963.00	1/2	1,599.66	1/2	1,240.19	1/2	877.96	1/2	514.59	1/2	151.27	1/2		1/2		1/2	
3/4	2,318.76	3/4	1,955.43	3/4	1,592.09	3/4	1,232.63	3/4	870.39	3/4	507.02	3/4	143.72	3/4		3/4		3/4	
3	2,311.19	3	1,947.86	3	1,584.52	3	1,225.08	3	862.82	3	499.45	3	136.17	3		3		3	
1/4	2,303.62	1/4	1,940.29	1/4	1,576.95	1/4	1,217.52	1/4	855.25	1/4	491.88	1/4	128.62	1/4		1/4		1/4	
1/2	2,296.05	1/2	1,932.72	1/2	1,569.38	1/2	1,209.96	1/2	847.68	1/2	484.31	1/2	121.07	1/2		1/2		1/2	
3/4	2,288.48	3/4	1,925.15	3/4	1,561.81	3/4	1,202.42	3/4	840.11	3/4	476.74	3/4	113.55	3/4		3/4		3/4	
4	2,280.91	4	1,917.58	4	1,554.24	4	1,194.88	4	832.54	4	469.17	4	106.02	4		4		4	
1/4	2,273.34	1/4	1,910.01	1/4	1,546.67	1/4	1,187.33	1/4	824.97	1/4	461.60	1/4	98.49	1/4		1/4		1/4	
1/2	2,265.77	1/2	1,902.44	1/2	1,539.10	1/2	1,179.79	1/2	817.40	1/2	454.03	1/2	90.96	1/2		1/2		1/2	
3/4	2,258.21	3/4	1,894.87	3/4	1,531.53	3/4	1,172.25	3/4	809.83	3/4	446.46	3/4	83.46	3/4		3/4		3/4	
5	2,250.64	5	1,887.30	5	1,524.00	5	1,164.71	5	802.26	5	438.89	5	75.97	5		5		5	
1/4	2,243.07	1/4	1,879.73	1/4	1,516.43	1/4	1,157.17	1/4	794.69	1/4	431.32	1/4	68.47	1/4		1/4		1/4	
1/2	2,235.50	1/2	1,872.16	1/2	1,508.86	1/2	1,149.63	1/2	787.12	1/2	423.75	1/2	60.98	1/2		1/2		1/2	
3/4	2,227.93	3/4	1,864.59	3/4	1,501.29	3/4	1,142.09	3/4	779.55	3/4	416.18	3/4	54.09	3/4		3/4		3/4	
6	2,220.36	6	1,857.02	6	1,494.00	6	1,134.54	6	771.98	6	408.61	6	47.20	6		6		6	
1/4	2,212.79	1/4	1,849.45	1/4	1,487.57	1/4	1,127.00	1/4	764.41	1/4	401.04	1/4	40.31	1/4		1/4		1/4	
1/2	2,205.22	1/2	1,841.89	1/2	1,480.17	1/2	1,119.46	1/2	756.84	1/2	393.47	1/2	33.42	1/2		1/2		1/2	
3/4	2,197.65	3/4	1,834.32	3/4	1,472.76	3/4	1,111.92	3/4	749.27	3/4	385.90	3/4	28.37	3/4		3/4		3/4	
7	2,190.08	7	1,826.75	7	1,465.35	7	1,104.38	7	741.70	7	378.33	7	23.33	7		7		7	
1/4	2,182.51	1/4	1,819.18	1/4	1,457.94	1/4	1,096.84	1/4	734.13	1/4	370.76	1/4	18.28	1/4		1/4		1/4	
1/2	2,174.94	1/2	1,811.61	1/2	1,450.54	1/2	1,089.30	1/2	726.56	1/2	363.19	1/2	13.24	1/2		1/2		1/2	
3/4	2,167.37	3/4	1,804.04	3/4	1,443.13	3/4	1,081.76	3/4	718.99	3/4	355.62	3/4		3/4		3/4		3/4	
8	2,159.80	8	1,796.47	8	1,435.72	8	1,074.22	8	711.42	8	348.05	8		8		8		8	
1/4	2,152.24	1/4	1,788.90	1/4	1,428.31	1/4	1,066.67	1/4	703.85	1/4	340.48	1/4		1/4		1/4		1/4	
1/2	2,144.67	1/2	1,781.33	1/2	1,420.90	1/2	1,059.13	1/2	696.28	1/2	332.91	1/2		1/2		1/2		1/2	
3/4	2,137.10	3/4	1,773.76	3/4	1,413.50	3/4	1,051.59	3/4	688.71	3/4	325.34	3/4		3/4		3/4		3/4	
9	2,129.53	9	1,766.19	9	1,406.09	9	1,044.05	9	681.14	9	317.77	9		9		9		9	
1/4	2,121.96	1/4	1,758.62	1/4	1,398.68	1/4	1,036.51	1/4	673.57	1/4	310.20	1/4		1/4		1/4		1/4	
1/2	2,114.39	1/2	1,751.05	1/2	1,391.27	1/2	1,028.97	1/2	666.00	1/2	302.62	1/2		1/2		1/2		1/2	
3/4	2,106.82	3/4	1,743.48	3/4	1,383.78	3/4	1,021.43	3/4	658.43	3/4	295.05	3/4		3/4		3/4		3/4	
10	2,099.25	10	1,735.91	10	1,376.29	10	1,013.89	10	650.86	10	287.48	10		10		10		10	
1/4	2,091.68	1/4	1,728.34	1/4	1,368.80	1/4	1,006.35	1/4	643.29	1/4	279.91	1/4		1/4		1/4		1/4	
1/2	2,084.11	1/2	1,720.77	1/2	1,361.31	1/2	998.80	1/2	635.72	1/2	272.34	1/2		1/2		1/2		1/2	
3/4	2,076.54	3/4	1,713.20	3/4	1,353.74	3/4	991.26	3/4	628.15	3/4	264.77	3/4		3/4		3/4		3/4	
11	2,068.97	11	1,705.63	11	1,346.17	11	983.72	11	620.58	11	257.20	11		11		11		11	
1/4	2,061.40	1/4	1,698.06	1/4	1,338.60	1/4	976.18	1/4	613.01	1/4	249.63	1/4		1/4		1/4		1/4	
1/2	2,053.83	1/2	1,690.50	1/2	1,331.03	1/2	968.64	1/2	605.44	1/2	242.06	1/2		1/2		1/2		1/2	
3/4	2,046.26	3/4	1,682.93	3/4	1,323.46	3/4	961.10	3/4	597.87	3/4	234.49	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2006 CL - SW
CALCULATED: 07/21/2006 CL
PRINTED: 07/21/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2006

PRECISION MEASUREMENT
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BARGE "KIRBY 28079"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,218.21	0	3,958.26	0	3,684.24	0	3,404.44	0	3,045.90	0	2,682.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,212.94	1/4	3,952.67	1/4	3,678.42	1/4	3,398.62	1/4	3,038.33	1/4	2,675.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,207.65	1/2	3,947.06	1/2	3,672.59	1/2	3,391.91	1/2	3,030.76	1/2	2,667.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,457.03	3/4	4,202.36	3/4	3,941.46	3/4	3,666.76	3/4	3,385.20	3/4	2,659.91
1		1		1		1		1	4,452.31	1	4,197.07	1	3,935.85	1	3,660.94	1	3,015.62	1	2,652.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,447.58	1/4	4,191.79	1/4	3,930.24	1/4	3,655.11	1/4	3,371.78	1/4	3,008.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,442.54	1/2	4,186.48	1/2	3,924.61	1/2	3,649.28	1/2	3,364.19	1/2	2,637.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,437.51	3/4	4,181.18	3/4	3,918.99	3/4	3,643.45	3/4	3,356.60	3/4	2,629.64
2		2		2		2		2	4,432.48	2	4,175.87	2	3,913.36	2	3,637.62	2	3,349.01	2	2,985.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,427.44	1/4	4,170.57	1/4	3,907.73	1/4	3,631.79	1/4	3,341.43	1/4	2,977.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,421.78	1/2	4,165.24	1/2	3,902.08	1/2	3,625.96	1/2	3,333.84	1/2	2,970.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,416.11	3/4	4,159.92	3/4	3,896.44	3/4	3,620.13	3/4	3,326.25	3/4	2,962.64
3		3		3		3		3	4,410.44	3	4,154.59	3	3,890.79	3	3,614.30	3	3,318.66	3	2,955.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,404.78	1/4	4,149.27	1/4	3,885.14	1/4	3,608.47	1/4	3,311.07	1/4	2,947.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,399.03	1/2	4,143.93	1/2	3,879.48	1/2	3,602.64	1/2	3,303.48	1/2	2,939.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,393.29	3/4	4,138.58	3/4	3,873.81	3/4	3,596.81	3/4	3,295.90	3/4	2,932.37
4		4		4		4		4	4,387.54	4	4,133.24	4	3,868.14	4	3,590.99	4	3,288.31	4	2,924.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,381.80	1/4	4,127.89	1/4	3,862.48	1/4	3,585.16	1/4	3,280.72	1/4	2,917.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,376.20	1/2	4,122.53	1/2	3,856.79	1/2	3,579.33	1/2	3,273.13	1/2	2,909.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,370.61	3/4	4,117.17	3/4	3,851.11	3/4	3,573.50	3/4	3,265.54	3/4	2,902.10
5		5		5		5		5	4,365.01	5	4,111.80	5	3,845.43	5	3,567.67	5	3,257.95	5	2,894.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,359.41	1/4	4,106.44	1/4	3,839.74	1/4	3,561.84	1/4	3,250.37	1/4	2,886.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,354.11	1/2	4,101.06	1/2	3,834.04	1/2	3,556.01	1/2	3,242.78	1/2	2,879.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,348.81	3/4	4,095.67	3/4	3,828.34	3/4	3,550.18	3/4	3,235.19	3/4	2,871.83
6		6		6		6		6	4,343.50	6	4,090.29	6	3,822.64	6	3,544.35	6	3,227.60	6	2,864.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,338.20	1/4	4,084.90	1/4	3,816.93	1/4	3,538.52	1/4	3,220.01	1/4	2,856.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,333.03	1/2	4,079.50	1/2	3,811.21	1/2	3,532.69	1/2	3,212.43	1/2	2,849.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,327.86	3/4	4,074.10	3/4	3,805.49	3/4	3,526.86	3/4	3,204.85	3/4	2,841.55
7		7		7		7		7	4,322.69	7	4,068.69	7	3,799.77	7	3,521.03	7	3,197.27	7	2,833.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,317.52	1/4	4,063.29	1/4	3,794.04	1/4	3,515.20	1/4	3,189.69	1/4	2,826.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,312.33	1/2	4,057.85	1/2	3,788.30	1/2	3,509.37	1/2	3,182.13	1/2	2,818.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,307.14	3/4	4,052.40	3/4	3,782.56	3/4	3,503.54	3/4	3,174.56	3/4	2,811.28
8		8		8		8		8	4,301.95	8	4,046.96	8	3,776.82	8	3,497.72	8	3,166.99	8	2,803.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,296.76	1/4	4,041.51	1/4	3,771.08	1/4	3,491.89	1/4	3,159.42	1/4	2,796.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,291.56	1/2	4,036.00	1/2	3,765.31	1/2	3,486.06	1/2	3,151.85	1/2	2,788.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,286.35	3/4	4,030.50	3/4	3,759.55	3/4	3,480.23	3/4	3,144.28	3/4	2,781.01
9		9		9		9		9	4,281.14	9	4,024.99	9	3,753.79	9	3,474.40	9	3,136.72	9	2,773.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,275.93	1/4	4,019.48	1/4	3,748.03	1/4	3,468.57	1/4	3,129.15	1/4	2,765.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,270.70	1/2	4,013.94	1/2	3,742.25	1/2	3,462.74	1/2	3,121.58	1/2	2,758.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,265.47	3/4	4,008.39	3/4	3,736.46	3/4	3,456.91	3/4	3,114.01	3/4	2,750.73
10		10		10		10		10	4,260.24	10	4,002.84	10	3,730.68	10	3,451.08	10	3,106.44	10	2,743.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,255.01	1/4	3,997.29	1/4	3,724.90	1/4	3,445.25	1/4	3,098.87	1/4	2,735.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,249.76	1/2	3,991.73	1/2	3,719.10	1/2	3,439.42	1/2	3,091.31	1/2	2,728.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,244.51	3/4	3,986.16	3/4	3,713.30	3/4	3,433.59	3/4	3,083.74	3/4	2,720.46
11		11		11		11		11	4,239.26	11	3,980.59	11	3,707.49	11	3,427.76	11	3,076.17	11	2,712.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,234.01	1/4	3,975.02	1/4	3,701.69	1/4	3,421.93	1/4	3,068.60	1/4	2,705.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,228.75	1/2	3,969.43	1/2	3,695.87	1/2	3,416.10	1/2	3,061.03	1/2	2,697.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,223.48	3/4	3,963.85	3/4	3,690.05	3/4	3,410.27	3/4	3,053.46	3/4	2,690.19

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 52'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28079"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,319.34	0	1,956.06	0	1,592.81	0	1,234.05	0	879.47	0	523.58	0	159.29	0		0		0	
1/4	2,311.77	1/4	1,948.49	1/4	1,585.25	1/4	1,226.50	1/4	872.12	1/4	515.99	1/4	151.70	1/4		1/4		1/4	
1/2	2,304.20	1/2	1,940.92	1/2	1,577.70	1/2	1,218.94	1/2	864.77	1/2	508.40	1/2	144.43	1/2		1/2		1/2	
3/4	2,296.63	3/4	1,933.35	3/4	1,570.16	3/4	1,211.39	3/4	857.41	3/4	500.81	3/4	137.15	3/4		3/4		3/4	
1	2,289.07	1	1,925.79	1	1,562.61	1	1,203.84	1	850.06	1	493.22	1	129.88	1		1		1	
1/4	2,281.50	1/4	1,918.22	1/4	1,555.07	1/4	1,196.28	1/4	842.71	1/4	485.63	1/4	122.61	1/4		1/4		1/4	
1/2	2,273.93	1/2	1,910.65	1/2	1,547.52	1/2	1,188.73	1/2	835.34	1/2	478.04	1/2	116.28	1/2		1/2		1/2	
3/4	2,266.36	3/4	1,903.08	3/4	1,539.98	3/4	1,181.18	3/4	827.98	3/4	470.45	3/4	109.96	3/4		3/4		3/4	
2	2,258.79	2	1,895.51	2	1,532.43	2	1,173.62	2	820.61	2	462.86	2	103.64	2		2		2	
1/4	2,251.22	1/4	1,887.94	1/4	1,524.89	1/4	1,166.07	1/4	813.25	1/4	455.27	1/4	97.32	1/4		1/4		1/4	
1/2	2,243.66	1/2	1,880.37	1/2	1,517.34	1/2	1,158.62	1/2	805.87	1/2	447.68	1/2	92.26	1/2		1/2		1/2	
3/4	2,236.09	3/4	1,872.81	3/4	1,509.80	3/4	1,151.18	3/4	798.49	3/4	440.09	3/4	87.21	3/4		3/4		3/4	
3	2,228.52	3	1,865.24	3	1,502.25	3	1,143.73	3	791.11	3	432.50	3	82.16	3		3		3	
1/4	2,220.95	1/4	1,857.67	1/4	1,494.71	1/4	1,136.28	1/4	783.73	1/4	424.91	1/4	77.10	1/4		1/4		1/4	
1/2	2,213.38	1/2	1,850.10	1/2	1,487.16	1/2	1,128.94	1/2	776.35	1/2	417.33	1/2	73.33	1/2		1/2		1/2	
3/4	2,205.81	3/4	1,842.53	3/4	1,479.62	3/4	1,121.60	3/4	768.97	3/4	409.74	3/4	69.55	3/4		3/4		3/4	
4	2,198.25	4	1,834.96	4	1,472.07	4	1,114.26	4	761.59	4	402.15	4	65.77	4		4		4	
1/4	2,190.68	1/4	1,827.39	1/4	1,464.53	1/4	1,106.92	1/4	754.22	1/4	394.56	1/4	61.99	1/4		1/4		1/4	
1/2	2,183.11	1/2	1,819.83	1/2	1,457.06	1/2	1,099.59	1/2	746.84	1/2	386.97	1/2	59.50	1/2		1/2		1/2	
3/4	2,175.54	3/4	1,812.26	3/4	1,449.60	3/4	1,092.25	3/4	739.46	3/4	379.38	3/4	57.01	3/4		3/4		3/4	
5	2,167.97	5	1,804.69	5	1,442.14	5	1,084.92	5	732.08	5	371.79	5	54.51	5		5		5	
1/4	2,160.40	1/4	1,797.12	1/4	1,434.67	1/4	1,077.59	1/4	724.70	1/4	364.20	1/4	52.02	1/4		1/4		1/4	
1/2	2,152.84	1/2	1,789.55	1/2	1,427.28	1/2	1,070.26	1/2	717.32	1/2	356.61	1/2	50.82	1/2		1/2		1/2	
3/4	2,145.27	3/4	1,781.98	3/4	1,419.88	3/4	1,062.92	3/4	709.94	3/4	349.02	3/4	49.62	3/4		3/4		3/4	
6	2,137.70	6	1,774.42	6	1,412.49	6	1,055.59	6	702.56	6	341.43	6	48.43	6		6		6	
1/4	2,130.13	1/4	1,766.85	1/4	1,405.09	1/4	1,048.26	1/4	695.18	1/4	333.84	1/4	47.23	1/4		1/4		1/4	
1/2	2,122.56	1/2	1,759.28	1/2	1,397.68	1/2	1,040.93	1/2	687.81	1/2	326.25	1/2		1/2		1/2		1/2	
3/4	2,115.00	3/4	1,751.71	3/4	1,390.28	3/4	1,033.60	3/4	680.43	3/4	318.66	3/4		3/4		3/4		3/4	
7	2,107.43	7	1,744.14	7	1,382.87	7	1,026.27	7	673.05	7	311.08	7	7	7		7		7	
1/4	2,099.86	1/4	1,736.57	1/4	1,375.46	1/4	1,018.93	1/4	665.67	1/4	303.49	1/4		1/4		1/4		1/4	
1/2	2,092.29	1/2	1,729.00	1/2	1,368.05	1/2	1,011.60	1/2	658.29	1/2	295.90	1/2		1/2		1/2		1/2	
3/4	2,084.72	3/4	1,721.44	3/4	1,360.65	3/4	1,004.27	3/4	650.91	3/4	288.31	3/4		3/4		3/4		3/4	
8	2,077.15	8	1,713.87	8	1,353.24	8	996.94	8	643.53	8	280.72	8	8	8		8		8	
1/4	2,069.59	1/4	1,706.30	1/4	1,345.83	1/4	989.61	1/4	636.15	1/4	273.13	1/4		1/4		1/4		1/4	
1/2	2,062.02	1/2	1,698.73	1/2	1,338.42	1/2	982.27	1/2	628.78	1/2	265.54	1/2		1/2		1/2		1/2	
3/4	2,054.45	3/4	1,691.16	3/4	1,331.01	3/4	974.94	3/4	621.40	3/4	257.95	3/4		3/4		3/4		3/4	
9	2,046.88	9	1,683.59	9	1,323.61	9	967.61	9	614.02	9	250.36	9	9	9		9		9	
1/4	2,039.31	1/4	1,676.02	1/4	1,316.20	1/4	960.28	1/4	606.64	1/4	242.77	1/4		1/4		1/4		1/4	
1/2	2,031.74	1/2	1,668.46	1/2	1,308.80	1/2	952.94	1/2	599.15	1/2	235.18	1/2		1/2		1/2		1/2	
3/4	2,024.18	3/4	1,660.89	3/4	1,301.40	3/4	945.60	3/4	591.67	3/4	227.59	3/4		3/4		3/4		3/4	
10	2,016.61	10	1,653.32	10	1,294.00	10	938.26	10	584.19	10	220.00	10	10	10		10		10	
1/4	2,009.04	1/4	1,645.75	1/4	1,286.60	1/4	930.92	1/4	576.70	1/4	212.41	1/4		1/4		1/4		1/4	
1/2	2,001.47	1/2	1,638.18	1/2	1,279.13	1/2	923.57	1/2	569.11	1/2	204.83	1/2		1/2		1/2		1/2	
3/4	1,993.90	3/4	1,630.61	3/4	1,271.65	3/4	916.22	3/4	561.52	3/4	197.24	3/4		3/4		3/4		3/4	
11	1,986.33	11	1,623.05	11	1,264.18	11	908.87	11	553.93	11	189.65	11	11	11		11		11	
1/4	1,978.77	1/4	1,615.48	1/4	1,256.71	1/4	901.52	1/4	546.34	1/4	182.06	1/4		1/4		1/4		1/4	
1/2	1,971.20	1/2	1,607.92	1/2	1,249.16	1/2	894.17	1/2	538.75	1/2	174.47	1/2		1/2		1/2		1/2	
3/4	1,963.63	3/4	1,600.36	3/4	1,241.60	3/4	886.82	3/4	531.17	3/4	166.88	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2006 CL - SW
CALCULATED: 07/21/2006 CL
PRINTED: 07/21/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2006

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



BARGE "KIRBY 28079"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,242.08	0	3,982.07	0	3,707.98	0	3,428.12	0	3,069.07	0	2,704.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,490.42	1/4	4,236.81	1/4	3,976.48	1/4	3,702.16	1/4	3,422.29	1/4	3,061.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,485.69	1/2	4,231.52	1/2	3,970.87	1/2	3,696.33	1/2	3,415.58	1/2	3,053.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,480.96	3/4	4,226.23	3/4	3,965.26	3/4	3,690.50	3/4	3,408.87	3/4	3,048.30
1		1		1		1		1	4,476.23	1	4,220.94	1	3,959.65	1	3,684.67	1	3,402.15	1	3,038.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,471.50	1/4	4,215.65	1/4	3,954.04	1/4	3,678.85	1/4	3,395.44	1/4	3,031.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,466.47	1/2	4,210.34	1/2	3,948.41	1/2	3,673.01	1/2	3,387.85	1/2	3,023.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,461.43	3/4	4,205.04	3/4	3,942.79	3/4	3,667.18	3/4	3,380.26	3/4	3,015.93
2		2		2		2		2	4,456.40	2	4,199.73	2	3,937.16	2	3,661.35	2	3,372.67	2	3,008.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,451.36	1/4	4,194.42	1/4	3,931.53	1/4	3,655.52	1/4	3,365.08	1/4	3,000.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,445.70	1/2	4,189.10	1/2	3,925.88	1/2	3,649.69	1/2	3,357.49	1/2	2,993.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,440.03	3/4	4,183.77	3/4	3,920.23	3/4	3,643.86	3/4	3,349.90	3/4	2,985.57
3		3		3		3		3	4,434.36	3	4,178.45	3	3,914.58	3	3,638.03	3	3,342.31	3	2,977.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,428.69	1/4	4,173.12	1/4	3,908.93	1/4	3,632.20	1/4	3,334.72	1/4	2,970.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,422.95	1/2	4,167.78	1/2	3,903.26	1/2	3,626.37	1/2	3,327.13	1/2	2,962.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,417.20	3/4	4,162.43	3/4	3,897.60	3/4	3,620.54	3/4	3,319.54	3/4	2,955.21
4		4		4		4		4	4,411.45	4	4,157.09	4	3,891.93	4	3,614.71	4	3,311.95	4	2,947.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,405.71	1/4	4,151.74	1/4	3,886.26	1/4	3,608.88	1/4	3,304.36	1/4	2,940.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,400.11	1/2	4,146.38	1/2	3,880.58	1/2	3,603.05	1/2	3,296.77	1/2	2,932.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,394.51	3/4	4,141.01	3/4	3,874.89	3/4	3,597.21	3/4	3,289.18	3/4	2,924.85
5		5		5		5		5	4,388.91	5	4,135.65	5	3,869.21	5	3,591.38	5	3,281.59	5	2,917.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,383.32	1/4	4,130.28	1/4	3,863.52	1/4	3,585.55	1/4	3,274.00	1/4	2,909.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,378.01	1/2	4,124.90	1/2	3,857.82	1/2	3,579.72	1/2	3,266.41	1/2	2,902.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,372.71	3/4	4,119.51	3/4	3,852.12	3/4	3,573.89	3/4	3,258.82	3/4	2,894.49
6		6		6		6		6	4,367.40	6	4,114.13	6	3,846.41	6	3,568.06	6	3,251.23	6	2,886.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,362.10	1/4	4,108.74	1/4	3,840.71	1/4	3,562.23	1/4	3,243.64	1/4	2,879.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,356.93	1/2	4,103.34	1/2	3,834.98	1/2	3,556.40	1/2	3,236.05	1/2	2,871.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,351.76	3/4	4,097.93	3/4	3,829.26	3/4	3,550.57	3/4	3,228.46	3/4	2,864.13
7		7		7		7		7	4,346.59	7	4,092.53	7	3,823.54	7	3,544.74	7	3,220.87	7	2,856.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,341.42	1/4	4,087.12	1/4	3,817.81	1/4	3,538.91	1/4	3,213.28	1/4	2,848.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,336.23	1/2	4,081.68	1/2	3,812.07	1/2	3,533.08	1/2	3,205.69	1/2	2,841.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,331.03	3/4	4,076.23	3/4	3,806.33	3/4	3,527.24	3/4	3,198.10	3/4	2,833.77
8		8		8		8		8	4,325.84	8	4,070.79	8	3,800.58	8	3,521.41	8	3,190.51	8	2,826.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,320.65	1/4	4,065.34	1/4	3,794.84	1/4	3,515.58	1/4	3,182.92	1/4	2,818.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,315.44	1/2	4,059.83	1/2	3,789.08	1/2	3,509.75	1/2	3,175.33	1/2	2,811.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,310.23	3/4	4,054.32	3/4	3,783.31	3/4	3,503.92	3/4	3,167.74	3/4	2,803.41
9		9		9		9		9	4,305.02	9	4,048.82	9	3,777.55	9	3,498.09	9	3,160.15	9	2,795.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,299.81	1/4	4,043.31	1/4	3,771.79	1/4	3,492.26	1/4	3,152.56	1/4	2,788.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,294.58	1/2	4,037.76	1/2	3,766.00	1/2	3,486.43	1/2	3,144.97	1/2	2,780.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,289.35	3/4	4,032.21	3/4	3,760.22	3/4	3,480.60	3/4	3,137.38	3/4	2,773.05
10		10		10		10		10	4,284.12	10	4,026.66	10	3,754.44	10	3,474.77	10	3,129.79	10	2,765.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.89	1/4	4,021.11	1/4	3,748.65	1/4	3,468.94	1/4	3,122.20	1/4	2,757.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,273.64	1/2	4,015.54	1/2	3,742.85	1/2	3,463.11	1/2	3,114.61	1/2	2,750.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,268.39	3/4	4,009.97	3/4	3,737.05	3/4	3,457.28	3/4	3,107.02	3/4	2,742.69
11		11		11		11		11	4,263.14	11	4,004.40	11	3,731.24	11	3,451.44	11	3,099.43	11	2,735.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,257.89	1/4	3,998.83	1/4	3,725.44	1/4	3,445.61	1/4	3,091.84	1/4	2,727.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,252.62	1/2	3,993.25	1/2	3,719.62	1/2	3,439.78	1/2	3,084.25	1/2	2,719.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,247.35	3/4	3,987.66	3/4	3,713.80	3/4	3,433.95	3/4	3,076.66	3/4	2,712.33

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 52'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28079"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 1/4"

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	2,340.42	0	1,976.09	0	1,611.75	0	1,251.29	0	887.87	0	523.70	0	159.33	0		0		0	
1/4	2,332.83	1/4	1,968.50	1/4	1,604.16	1/4	1,243.70	1/4	880.31	1/4	516.11	1/4	151.74	1/4	1/4		1/4	1/4	1/4
1/2	2,325.24	1/2	1,960.91	1/2	1,596.57	1/2	1,236.11	1/2	872.75	1/2	508.52	1/2	144.46	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,317.65	3/4	1,953.32	3/4	1,588.98	3/4	1,228.52	3/4	865.18	3/4	500.93	3/4	137.19	3/4	3/4	3/4	3/4	3/4	3/4
1	2,310.06	1	1,945.73	1	1,581.39	1	1,220.93	1	857.62	1	493.34	1	129.91	1		1		1	
1/4	2,302.47	1/4	1,938.14	1/4	1,573.80	1/4	1,213.34	1/4	850.06	1/4	485.74	1/4	122.64	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,294.88	1/2	1,930.55	1/2	1,566.21	1/2	1,205.75	1/2	842.48	1/2	478.15	1/2	116.31	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,287.29	3/4	1,922.96	3/4	1,558.62	3/4	1,198.16	3/4	834.90	3/4	470.56	3/4	109.99	3/4	3/4	3/4	3/4	3/4	3/4
2	2,279.70	2	1,915.36	2	1,551.03	2	1,190.57	2	827.32	2	462.97	2	103.66	2		2		2	
1/4	2,272.10	1/4	1,907.77	1/4	1,543.44	1/4	1,182.98	1/4	819.74	1/4	455.38	1/4	97.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,264.51	1/2	1,900.18	1/2	1,535.85	1/2	1,175.38	1/2	812.15	1/2	447.79	1/2	92.28	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,256.92	3/4	1,892.59	3/4	1,528.26	3/4	1,167.79	3/4	804.56	3/4	440.20	3/4	87.23	3/4	3/4	3/4	3/4	3/4	3/4
3	2,249.33	3	1,885.00	3	1,520.67	3	1,160.20	3	796.97	3	432.61	3	82.18	3		3		3	
1/4	2,241.74	1/4	1,877.41	1/4	1,513.08	1/4	1,152.61	1/4	789.38	1/4	425.02	1/4	77.12	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,234.15	1/2	1,869.82	1/2	1,505.49	1/2	1,145.03	1/2	781.79	1/2	417.42	1/2	73.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,226.56	3/4	1,862.23	3/4	1,497.90	3/4	1,137.45	3/4	774.20	3/4	409.83	3/4	69.57	3/4	3/4	3/4	3/4	3/4	3/4
4	2,218.97	4	1,854.64	4	1,490.31	4	1,129.88	4	766.61	4	402.24	4	65.79	4		4		4	
1/4	2,211.38	1/4	1,847.05	1/4	1,482.72	1/4	1,122.30	1/4	759.02	1/4	394.65	1/4	62.01	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,203.79	1/2	1,839.46	1/2	1,475.21	1/2	1,114.73	1/2	751.43	1/2	387.06	1/2	59.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,196.20	3/4	1,831.87	3/4	1,467.70	3/4	1,107.17	3/4	743.84	3/4	379.47	3/4	57.02	3/4	3/4	3/4	3/4	3/4	3/4
5	2,188.61	5	1,824.28	5	1,460.19	5	1,099.61	5	736.25	5	371.88	5	54.53	5		5		5	
1/4	2,181.02	1/4	1,816.69	1/4	1,452.68	1/4	1,092.04	1/4	728.66	1/4	364.29	1/4	52.03	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,173.43	1/2	1,809.10	1/2	1,445.25	1/2	1,084.48	1/2	721.06	1/2	356.70	1/2	50.83	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,165.84	3/4	1,801.51	3/4	1,437.82	3/4	1,076.92	3/4	713.47	3/4	349.10	3/4	49.64	3/4	3/4	3/4	3/4	3/4	3/4
6	2,158.25	6	1,793.92	6	1,430.40	6	1,069.36	6	705.88	6	341.51	6	48.44	6		6		6	
1/4	2,150.66	1/4	1,786.33	1/4	1,422.97	1/4	1,061.80	1/4	698.29	1/4	333.92	1/4	47.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,143.07	1/2	1,778.74	1/2	1,415.54	1/2	1,054.23	1/2	690.70	1/2	326.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,135.48	3/4	1,771.15	3/4	1,408.11	3/4	1,046.67	3/4	683.11	3/4	318.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,127.89	7	1,763.56	7	1,400.68	7	1,039.11	7	675.52	7	311.15	7		7		7		7	
1/4	2,120.30	1/4	1,755.97	1/4	1,393.25	1/4	1,031.55	1/4	667.93	1/4	303.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,112.71	1/2	1,748.38	1/2	1,385.82	1/2	1,023.99	1/2	660.34	1/2	295.97	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,105.12	3/4	1,740.79	3/4	1,378.40	3/4	1,016.42	3/4	652.75	3/4	288.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,097.53	8	1,733.20	8	1,370.97	8	1,008.86	8	645.16	8	280.78	8		8		8		8	
1/4	2,089.94	1/4	1,725.61	1/4	1,363.54	1/4	1,001.30	1/4	637.57	1/4	273.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,082.35	1/2	1,718.02	1/2	1,356.11	1/2	993.74	1/2	629.98	1/2	265.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,074.76	3/4	1,710.43	3/4	1,348.68	3/4	986.18	3/4	622.39	3/4	258.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,067.17	9	1,702.84	9	1,341.25	9	978.62	9	614.79	9	250.42	9		9		9		9	
1/4	2,059.58	1/4	1,695.25	1/4	1,333.82	1/4	971.05	1/4	607.20	1/4	242.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,051.99	1/2	1,687.66	1/2	1,326.40	1/2	963.49	1/2	599.61	1/2	235.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,044.40	3/4	1,680.07	3/4	1,318.97	3/4	955.93	3/4	592.02	3/4	227.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,036.81	10	1,672.48	10	1,311.54	10	948.37	10	584.43	10	220.06	10		10		10		10	
1/4	2,029.22	1/4	1,664.88	1/4	1,304.11	1/4	940.81	1/4	576.84	1/4	212.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,021.63	1/2	1,657.29	1/2	1,296.60	1/2	933.24	1/2	569.25	1/2	204.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,014.04	3/4	1,649.70	3/4	1,289.09	3/4	925.68	3/4	561.66	3/4	197.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,006.45	11	1,642.11	11	1,281.58	11	918.12	11	554.06	11	189.69	11		11		11		11	
1/4	1,998.86	1/4	1,634.52	1/4	1,274.07	1/4	910.56	1/4	546.47	1/4	182.10	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,991.27	1/2	1,626.93	1/2	1,266.48	1/2	903.00	1/2	538.88	1/2	174.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,983.68	3/4	1,619.34	3/4	1,258.89	3/4	895.44	3/4	531.29	3/4	166.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2006 CL - SW
CALCULATED: 07/21/2006 CL
PRINTED: 07/21/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2006

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