

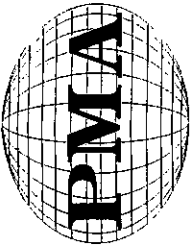


KIRBY 30405



Barge Strapping Tables





BARGE "KIRBY 30405"

ULLAGE TRIM TABLE

FORMERLY "HW 3026"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-00"

October 7, 2003

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

<http://www.pmacorp.net>



BARGE "KIRBY 30405"

1 PORT ULLAGE TABLE

FORMERLY "HW 3026"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,687.89	0	2,325.71	0	1,601.35	0	1,239.17	0	876.99	0	516.58	0	159.89	0	159.89	0	159.89	0	159.89	0	159.89
1/4	2,680.35	1/4	2,318.17	1/4	1,593.81	1/4	1,231.63	1/4	869.45	1/4	509.09	1/4	152.71	1/4	152.71	1/4	152.71	1/4	152.71	1/4	152.71
1/2	2,672.80	1/2	2,310.62	1/2	1,586.26	1/2	1,224.08	1/2	861.91	1/2	501.61	1/2	145.52	1/2	145.52	1/2	145.52	1/2	145.52	1/2	145.52
3/4	2,665.25	3/4	2,303.08	3/4	1,578.72	3/4	1,216.54	3/4	854.36	3/4	494.13	3/4	138.39	3/4	138.39	3/4	138.39	3/4	138.39	3/4	138.39
1	2,657.71	1	2,295.53	1	1,571.17	1	1,208.99	1	846.81	1	486.65	1	131.25	1	131.25	1	131.25	1	131.25	1	131.25
1 1/4	2,650.16	1 1/4	2,287.98	1 1/4	1,563.63	1 1/4	1,201.45	1 1/4	839.27	1 1/4	479.17	1 1/4	124.12	1 1/4	124.12	1 1/4	124.12	1 1/4	124.12	1 1/4	124.12
1 1/2	2,642.62	1 1/2	2,280.44	1 1/2	1,556.08	1 1/2	1,193.90	1 1/2	831.72	1 1/2	471.68	1 1/2	116.99	1 1/2	116.99	1 1/2	116.99	1 1/2	116.99	1 1/2	116.99
3/4	2,635.07	3/4	2,272.89	3/4	1,548.54	3/4	1,186.36	3/4	824.18	3/4	464.20	3/4	109.91	3/4	109.91	3/4	109.91	3/4	109.91	3/4	109.91
2	2,627.53	2	2,265.35	2	1,540.99	2	1,178.81	2	816.63	2	456.72	2	102.83	2	102.83	2	102.83	2	102.83	2	102.83
1 1/4	2,619.98	1 1/4	2,257.80	1 1/4	1,533.44	1 1/4	1,171.27	1 1/4	809.09	1 1/4	449.24	1 1/4	95.75	1 1/4	95.75	1 1/4	95.75	1 1/4	95.75	1 1/4	95.75
1 1/2	2,612.44	1 1/2	2,250.26	1 1/2	1,525.90	1 1/2	1,163.72	1 1/2	801.54	1 1/2	441.76	1 1/2	88.67	1 1/2	88.67	1 1/2	88.67	1 1/2	88.67	1 1/2	88.67
3/4	2,604.89	3/4	2,242.71	3/4	1,518.35	3/4	1,156.17	3/4	794.00	3/4	434.27	3/4	81.68	3/4	81.68	3/4	81.68	3/4	81.68	3/4	81.68
3	2,597.35	3	2,235.17	3	1,510.81	3	1,148.63	3	786.45	3	426.79	3	74.70	3	74.70	3	74.70	3	74.70	3	74.70
1 1/4	2,589.80	1 1/4	2,227.62	1 1/4	1,503.26	1 1/4	1,141.08	1 1/4	778.90	1 1/4	419.31	1 1/4	67.71	1 1/4	67.71	1 1/4	67.71	1 1/4	67.71	1 1/4	67.71
1 1/2	2,582.26	1 1/2	2,220.08	1 1/2	1,495.72	1 1/2	1,133.54	1 1/2	771.36	1 1/2	411.83	1 1/2	60.72	1 1/2	60.72	1 1/2	60.72	1 1/2	60.72	1 1/2	60.72
3/4	2,574.71	3/4	2,212.53	3/4	1,488.17	3/4	1,125.99	3/4	763.81	3/4	404.31	3/4	54.42	3/4	54.42	3/4	54.42	3/4	54.42	3/4	54.42
4	2,567.16	4	2,204.99	4	1,480.63	4	1,118.45	4	756.27	4	396.80	4	48.12	4	48.12	4	48.12	4	48.12	4	48.12
1 1/4	2,559.62	1 1/4	2,197.44	1 1/4	1,473.08	1 1/4	1,110.90	1 1/4	748.72	1 1/4	389.29	1 1/4	41.82	1 1/4	41.82	1 1/4	41.82	1 1/4	41.82	1 1/4	41.82
1 1/2	2,552.07	1 1/2	2,189.89	1 1/2	1,465.54	1 1/2	1,103.36	1 1/2	741.18	1 1/2	381.78	1 1/2	35.52	1 1/2	35.52	1 1/2	35.52	1 1/2	35.52	1 1/2	35.52
3/4	2,544.53	3/4	2,182.35	3/4	1,457.99	3/4	1,095.81	3/4	733.66	3/4	374.25	3/4	30.79	3/4	30.79	3/4	30.79	3/4	30.79	3/4	30.79
5	2,536.98	5	2,174.80	5	1,450.45	5	1,088.27	5	726.15	5	366.72	5	26.05	5	26.05	5	26.05	5	26.05	5	26.05
1 1/4	2,529.44	1 1/4	2,167.26	1 1/4	1,442.90	1 1/4	1,080.72	1 1/4	718.63	1 1/4	359.19	1 1/4	21.31	1 1/4	21.31	1 1/4	21.31	1 1/4	21.31	1 1/4	21.31
1 1/2	2,521.89	1 1/2	2,159.71	1 1/2	1,435.35	1 1/2	1,073.18	1 1/2	711.11	1 1/2	351.66	1 1/2	14.12	1 1/2	14.12	1 1/2	14.12	1 1/2	14.12	1 1/2	14.12
3/4	2,514.35	3/4	2,152.17	3/4	1,427.81	3/4	1,065.63	3/4	703.63	3/4	344.16	3/4	6.66	3/4	6.66	3/4	6.66	3/4	6.66	3/4	6.66
6	2,506.80	6	2,144.62	6	1,420.26	6	1,058.08	6	696.15	6	336.65	6	3.11	6	3.11	6	3.11	6	3.11	6	3.11
1 1/4	2,499.26	1 1/4	2,137.08	1 1/4	1,412.72	1 1/4	1,050.54	1 1/4	688.67	1 1/4	329.15	1 1/4	0.56	1 1/4	0.56	1 1/4	0.56	1 1/4	0.56	1 1/4	0.56
1 1/2	2,491.71	1 1/2	2,129.53	1 1/2	1,405.17	1 1/2	1,042.99	1 1/2	681.19	1 1/2	321.65	1 1/2	0.01	1 1/2	0.01	1 1/2	0.01	1 1/2	0.01	1 1/2	0.01
3/4	2,484.16	3/4	2,121.99	3/4	1,397.63	3/4	1,035.45	3/4	673.70	3/4	314.18	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00
7	2,476.62	7	2,114.44	7	1,390.08	7	1,027.90	7	666.22	7	306.71	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00
1 1/4	2,469.07	1 1/4	2,106.89	1 1/4	1,382.54	1 1/4	1,020.36	1 1/4	658.74	1 1/4	299.24	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00
1 1/2	2,461.53	1 1/2	2,099.35	1 1/2	1,374.99	1 1/2	1,012.81	1 1/2	651.26	1 1/2	291.77	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00
3/4	2,453.98	3/4	2,091.80	3/4	1,367.45	3/4	1,005.27	3/4	643.77	3/4	284.34	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00
8	2,446.44	8	2,084.26	8	1,359.90	8	997.72	8	636.29	8	276.92	8	0.00	8	0.00	8	0.00	8	0.00	8	0.00
1 1/4	2,438.89	1 1/4	2,076.71	1 1/4	1,352.35	1 1/4	990.18	1 1/4	628.81	1 1/4	269.50	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00
1 1/2	2,431.35	1 1/2	2,069.17	1 1/2	1,344.81	1 1/2	982.63	1 1/2	621.33	1 1/2	262.07	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00
3/4	2,423.80	3/4	2,061.62	3/4	1,337.26	3/4	975.08	3/4	613.85	3/4	254.70	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00
9	2,416.26	9	2,054.08	9	1,329.72	9	967.54	9	606.36	9	247.33	9	0.00	9	0.00	9	0.00	9	0.00	9	0.00
1 1/4	2,408.71	1 1/4	2,046.53	1 1/4	1,322.17	1 1/4	959.99	1 1/4	598.88	1 1/4	239.96	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00
1 1/2	2,401.17	1 1/2	2,038.99	1 1/2	1,314.63	1 1/2	952.45	1 1/2	591.40	1 1/2	232.59	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00
3/4	2,393.62	3/4	2,031.44	3/4	1,307.08	3/4	944.90	3/4	583.92	3/4	225.27	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00
10	2,386.07	10	2,023.90	10	1,299.54	10	937.36	10	576.43	10	217.96	10	0.00	10	0.00	10	0.00	10	0.00	10	0.00
1 1/4	2,378.53	1 1/4	2,016.35	1 1/4	1,291.99	1 1/4	929.81	1 1/4	568.95	1 1/4	210.64	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00
1 1/2	2,370.98	1 1/2	2,008.80	1 1/2	1,284.45	1 1/2	922.27	1 1/2	561.47	1 1/2	203.32	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00
3/4	2,363.44	3/4	2,001.26	3/4	1,276.90	3/4	914.72	3/4	553.99	3/4	196.06	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00
11	2,355.89	11	1,993.71	11	1,269.36	11	907.18	11	546.51	11	188.79	11	0.00	11	0.00	11	0.00	11	0.00	11	0.00
1 1/4	2,348.35	1 1/4	1,986.17	1 1/4	1,261.81	1 1/4	899.63	1 1/4	539.02	1 1/4	181.53	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00
1 1/2	2,340.80	1 1/2	1,978.62	1 1/2	1,254.26	1 1/2	892.09	1 1/2	531.54	1 1/2	174.27	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00
3/4	2,333.26	3/4	1,971.08	3/4	1,246.72	3/4	884.54	3/4	524.06	3/4	167.08	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/1983 SI
DECK MEASUREMENTS: 10/07/2003 CL - SW
REPRINTED: 10/08/2003 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2003

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 30405"

1 STBD ULLAGE TABLE

FORMERLY "HW 3026"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR
0	2,677.81	0	2,314.95	0	1,952.09	0	1,589.23	0	1,226.37	0	863.51	0	502.54	0	145.79	0		0	
1/4	2,670.25	1/4	2,307.39	1/4	1,944.53	1/4	1,581.67	1/4	1,218.81	1/4	855.95	1/4	495.05	1/4	138.64	1/4		1/4	
1/2	2,662.69	1/2	2,299.83	1/2	1,936.97	1/2	1,574.11	1/2	1,211.25	1/2	848.39	1/2	487.55	1/2	131.50	1/2		1/2	
3/4	2,655.13	3/4	2,292.27	3/4	1,929.41	3/4	1,566.55	3/4	1,203.69	3/4	840.83	3/4	480.05	3/4	124.35	3/4		3/4	
1	2,647.57	1	2,284.71	1	1,921.85	1	1,558.99	1	1,196.13	1	833.27	1	472.56	1	117.21	1		1	
1/4	2,640.01	1/4	2,277.15	1/4	1,914.29	1/4	1,551.43	1/4	1,188.57	1/4	825.71	1/4	465.06	1/4	110.11	1/4		1/4	
1/2	2,632.45	1/2	2,269.59	1/2	1,906.73	1/2	1,543.87	1/2	1,181.01	1/2	818.15	1/2	457.57	1/2	103.02	1/2		1/2	
3/4	2,624.89	3/4	2,262.03	3/4	1,899.17	3/4	1,536.31	3/4	1,173.45	3/4	810.59	3/4	450.07	3/4	95.93	3/4		3/4	
2	2,617.33	2	2,254.47	2	1,891.61	2	1,528.75	2	1,165.89	2	803.03	2	442.57	2	88.83	2		2	
1/4	2,609.77	1/4	2,246.91	1/4	1,884.05	1/4	1,521.19	1/4	1,158.33	1/4	795.47	1/4	435.08	1/4	81.83	1/4		1/4	
1/2	2,602.21	1/2	2,239.35	1/2	1,876.49	1/2	1,513.63	1/2	1,150.77	1/2	787.91	1/2	427.58	1/2	74.83	1/2		1/2	
3/4	2,594.65	3/4	2,231.79	3/4	1,868.93	3/4	1,506.07	3/4	1,143.21	3/4	780.35	3/4	420.09	3/4	67.84	3/4		3/4	
3	2,587.09	3	2,224.23	3	1,861.37	3	1,498.51	3	1,135.65	3	772.79	3	412.59	3	60.84	3		3	
1/4	2,579.53	1/4	2,216.67	1/4	1,853.81	1/4	1,490.95	1/4	1,128.09	1/4	765.23	1/4	405.06	1/4	54.52	1/4		1/4	
1/2	2,571.98	1/2	2,209.11	1/2	1,846.25	1/2	1,483.39	1/2	1,120.53	1/2	757.67	1/2	397.54	1/2	48.21	1/2		1/2	
3/4	2,564.42	3/4	2,201.55	3/4	1,838.69	3/4	1,475.83	3/4	1,112.97	3/4	750.11	3/4	390.01	3/4	41.90	3/4		3/4	
4	2,556.86	4	2,194.00	4	1,831.13	4	1,468.27	4	1,105.41	4	742.55	4	382.48	4	35.59	4		4	
1/4	2,549.30	1/4	2,186.44	1/4	1,823.57	1/4	1,460.71	1/4	1,097.85	1/4	735.02	1/4	374.94	1/4	30.84	1/4		1/4	
1/2	2,541.74	1/2	2,178.88	1/2	1,816.02	1/2	1,453.15	1/2	1,090.29	1/2	727.44	1/2	367.40	1/2	26.10	1/2		1/2	
3/4	2,534.18	3/4	2,171.32	3/4	1,808.46	3/4	1,445.59	3/4	1,082.73	3/4	719.96	3/4	359.86	3/4	21.35	3/4		3/4	
5	2,526.62	5	2,163.76	5	1,800.90	5	1,438.04	5	1,075.17	5	712.43	5	352.31	5		5		5	
1/4	2,519.06	1/4	2,156.20	1/4	1,793.34	1/4	1,430.48	1/4	1,067.61	1/4	704.93	1/4	344.80	1/4		1/4		1/4	
1/2	2,511.50	1/2	2,148.64	1/2	1,785.78	1/2	1,422.92	1/2	1,060.06	1/2	697.44	1/2	337.28	1/2		1/2		1/2	
3/4	2,503.94	3/4	2,141.08	3/4	1,778.22	3/4	1,415.36	3/4	1,052.50	3/4	689.94	3/4	329.76	3/4		3/4		3/4	
6	2,496.38	6	2,133.52	6	1,770.66	6	1,407.80	6	1,044.94	6	682.45	6	322.24	6		6		6	
1/4	2,488.82	1/4	2,125.96	1/4	1,763.10	1/4	1,400.24	1/4	1,037.38	1/4	674.95	1/4	314.76	1/4		1/4		1/4	
1/2	2,481.26	1/2	2,118.40	1/2	1,755.54	1/2	1,392.68	1/2	1,029.82	1/2	667.45	1/2	307.28	1/2		1/2		1/2	
3/4	2,473.70	3/4	2,110.84	3/4	1,747.98	3/4	1,385.12	3/4	1,022.26	3/4	659.96	3/4	299.79	3/4		3/4		3/4	
7	2,466.14	7	2,103.28	7	1,740.42	7	1,377.56	7	1,014.70	7	652.46	7	292.31	7		7		7	
1/4	2,458.58	1/4	2,095.72	1/4	1,732.86	1/4	1,370.00	1/4	1,007.14	1/4	644.97	1/4	284.87	1/4		1/4		1/4	
1/2	2,451.02	1/2	2,088.16	1/2	1,725.30	1/2	1,362.44	1/2	999.58	1/2	637.47	1/2	277.43	1/2		1/2		1/2	
3/4	2,443.46	3/4	2,080.60	3/4	1,717.74	3/4	1,354.88	3/4	992.02	3/4	629.97	3/4	270.00	3/4		3/4		3/4	
8	2,435.90	8	2,073.04	8	1,710.18	8	1,347.32	8	984.46	8	622.48	8	262.56	8		8		8	
1/4	2,428.34	1/4	2,065.48	1/4	1,702.62	1/4	1,339.76	1/4	976.90	1/4	614.98	1/4	255.18	1/4		1/4		1/4	
1/2	2,420.78	1/2	2,057.92	1/2	1,695.06	1/2	1,332.20	1/2	969.34	1/2	607.49	1/2	247.79	1/2		1/2		1/2	
3/4	2,413.22	3/4	2,050.36	3/4	1,687.50	3/4	1,324.64	3/4	961.78	3/4	599.99	3/4	240.41	3/4		3/4		3/4	
9	2,405.66	9	2,042.80	9	1,679.94	9	1,317.08	9	954.22	9	592.49	9	233.02	9		9		9	
1/4	2,398.10	1/4	2,035.24	1/4	1,672.38	1/4	1,309.52	1/4	946.66	1/4	585.00	1/4	225.69	1/4		1/4		1/4	
1/2	2,390.54	1/2	2,027.68	1/2	1,664.82	1/2	1,301.96	1/2	939.10	1/2	577.50	1/2	218.36	1/2		1/2		1/2	
3/4	2,382.99	3/4	2,020.12	3/4	1,657.26	3/4	1,294.40	3/4	931.54	3/4	570.01	3/4	211.03	3/4		3/4		3/4	
10	2,375.43	10	2,012.56	10	1,649.70	10	1,286.84	10	923.98	10	562.51	10	203.70	10		10		10	
1/4	2,367.87	1/4	2,005.01	1/4	1,642.14	1/4	1,279.28	1/4	916.42	1/4	555.01	1/4	196.42	1/4		1/4		1/4	
1/2	2,360.31	1/2	1,997.45	1/2	1,634.58	1/2	1,271.72	1/2	908.86	1/2	547.52	1/2	189.15	1/2		1/2		1/2	
3/4	2,352.75	3/4	1,989.89	3/4	1,627.03	3/4	1,264.16	3/4	901.30	3/4	540.02	3/4	181.87	3/4		3/4		3/4	
11	2,345.19	11	1,982.33	11	1,619.47	11	1,256.60	11	893.74	11	532.53	11	174.59	11		11		11	
1/4	2,337.63	1/4	1,974.77	1/4	1,611.91	1/4	1,249.05	1/4	886.18	1/4	525.03	1/4	167.39	1/4		1/4		1/4	
1/2	2,330.07	1/2	1,967.21	1/2	1,604.35	1/2	1,241.49	1/2	878.62	1/2	517.53	1/2	160.19	1/2		1/2		1/2	
3/4	2,322.51	3/4	1,959.65	3/4	1,596.79	3/4	1,233.93	3/4	871.07	3/4	510.04	3/4	152.99	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/16/1993 SI
 DECK MEASUREMENTS: 1007/2003 CL - SW
 REPRINTED: 10/08/2003 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2003

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



BARGE "KIRBY 30405"

2 PORT ULLAGE TABLE

FORMERLY "HW 3026"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	2,670.07	0	2,308.05	0	1,946.04	0	1,584.02	0	1,222.01	0	859.99	0	507.85	0	150.82	0	0	0	0	0	0	0
1/4	2,662.53	1/4	2,300.51	1/4	1,938.50	1/4	1,576.48	1/4	1,214.46	1/4	852.45	1/4	500.62	1/4	143.30	1/4	143.30	1/4	143.30	1/4	143.30	1/4
1/2	2,654.99	1/2	2,292.97	1/2	1,930.95	1/2	1,568.94	1/2	1,206.92	1/2	844.91	1/2	493.39	1/2	135.78	1/2	135.78	1/2	135.78	1/2	135.78	1/2
3/4	2,647.44	3/4	2,285.43	3/4	1,923.41	3/4	1,561.40	3/4	1,199.38	3/4	837.36	3/4	486.16	3/4	128.26	3/4	128.26	3/4	128.26	3/4	128.26	3/4
1	2,639.90	1	2,277.89	1	1,915.87	1	1,553.85	1	1,191.84	1	829.82	1	478.93	1	120.74	1	120.74	1	120.74	1	120.74	1
1/4	2,632.36	1/4	2,270.34	1/4	1,908.33	1/4	1,546.31	1/4	1,184.30	1/4	822.28	1/4	471.70	1/4	113.22	1/4	113.22	1/4	113.22	1/4	113.22	1/4
1/2	2,624.82	1/2	2,262.80	1/2	1,900.79	1/2	1,538.77	1/2	1,176.75	1/2	814.74	1/2	464.47	1/2	105.71	1/2	105.71	1/2	105.71	1/2	105.71	1/2
3/4	2,617.28	3/4	2,255.26	3/4	1,893.24	3/4	1,531.23	3/4	1,169.21	3/4	807.20	3/4	457.24	3/4	98.19	3/4	98.19	3/4	98.19	3/4	98.19	3/4
1	2,609.73	1	2,247.72	1	1,885.70	1	1,523.69	1	1,161.67	1	799.65	1	450.01	1	90.67	1	90.67	1	90.67	1	90.67	1
1/4	2,602.19	1/4	2,240.18	1/4	1,878.16	1/4	1,516.14	1/4	1,154.13	1/4	792.11	1/4	442.78	1/4	83.15	1/4	83.15	1/4	83.15	1/4	83.15	1/4
1/2	2,594.65	1/2	2,232.63	1/2	1,870.62	1/2	1,508.60	1/2	1,146.59	1/2	784.57	1/2	435.55	1/2	75.63	1/2	75.63	1/2	75.63	1/2	75.63	1/2
3/4	2,587.11	3/4	2,225.09	3/4	1,863.08	3/4	1,501.06	3/4	1,139.04	3/4	777.03	3/4	428.32	3/4	68.11	3/4	68.11	3/4	68.11	3/4	68.11	3/4
1	2,579.57	1	2,217.56	1	1,855.53	1	1,493.52	1	1,131.50	1	769.49	1	421.09	1	60.59	1	60.59	1	60.59	1	60.59	1
1/4	2,572.02	1/4	2,210.01	1/4	1,847.99	1/4	1,485.98	1/4	1,123.96	1/4	761.94	1/4	413.83	1/4	54.00	1/4	54.00	1/4	54.00	1/4	54.00	1/4
1/2	2,564.48	1/2	2,202.47	1/2	1,840.45	1/2	1,478.43	1/2	1,116.42	1/2	754.40	1/2	406.57	1/2	47.40	1/2	47.40	1/2	47.40	1/2	47.40	1/2
3/4	2,556.94	3/4	2,194.92	3/4	1,832.91	3/4	1,470.89	3/4	1,108.88	3/4	746.86	3/4	399.32	3/4	40.80	3/4	40.80	3/4	40.80	3/4	40.80	3/4
1	2,549.40	1	2,187.38	1	1,825.37	1	1,463.35	1	1,101.33	1	739.32	1	392.06	1	34.20	1	34.20	1	34.20	1	34.20	1
1/4	2,541.86	1/4	2,179.84	1/4	1,817.82	1/4	1,455.81	1/4	1,093.79	1/4	732.06	1/4	384.52	1/4	29.48	1/4	29.48	1/4	29.48	1/4	29.48	1/4
1/2	2,534.31	1/2	2,172.30	1/2	1,810.28	1/2	1,448.27	1/2	1,086.25	1/2	724.80	1/2	376.97	1/2	24.78	1/2	24.78	1/2	24.78	1/2	24.78	1/2
3/4	2,526.77	3/4	2,164.76	3/4	1,802.74	3/4	1,440.72	3/4	1,078.71	3/4	717.54	3/4	369.43	3/4	20.06	3/4	20.06	3/4	20.06	3/4	20.06	3/4
1	2,519.23	1	2,157.21	1	1,795.20	1	1,433.18	1	1,071.17	1	710.28	1	361.89	1	5	5	5	5	5	5	5	5
1/4	2,511.69	1/4	2,149.67	1/4	1,787.66	1/4	1,425.64	1/4	1,063.62	1/4	703.05	1/4	354.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,504.15	1/2	2,142.13	1/2	1,780.11	1/2	1,418.10	1/2	1,056.08	1/2	695.82	1/2	346.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,496.60	3/4	2,134.59	3/4	1,772.57	3/4	1,410.56	3/4	1,048.54	3/4	688.59	3/4	339.27	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1	2,489.06	1	2,127.05	1	1,765.03	1	1,403.01	1	1,041.00	1	681.36	1	331.72	1	6	6	6	6	6	6	6	6
1/4	2,481.52	1/4	2,119.50	1/4	1,757.49	1/4	1,395.47	1/4	1,033.46	1/4	674.13	1/4	324.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,473.98	1/2	2,111.96	1/2	1,749.95	1/2	1,387.93	1/2	1,025.91	1/2	666.90	1/2	316.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,466.44	3/4	2,104.42	3/4	1,742.40	3/4	1,380.39	3/4	1,018.37	3/4	659.67	3/4	309.10	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1	2,458.89	1	2,096.88	1	1,734.86	1	1,372.85	1	1,010.83	1	652.44	1	301.56	1	7	7	7	7	7	7	7	7
1/4	2,451.35	1/4	2,089.34	1/4	1,727.32	1/4	1,365.30	1/4	1,003.29	1/4	645.21	1/4	294.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,443.81	1/2	2,081.79	1/2	1,719.78	1/2	1,357.76	1/2	995.75	1/2	637.98	1/2	286.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,436.27	3/4	2,074.25	3/4	1,712.24	3/4	1,350.22	3/4	988.20	3/4	630.75	3/4	278.93	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1	2,428.73	1	2,066.71	1	1,704.69	1	1,342.68	1	980.66	1	623.52	1	271.39	1	8	8	8	8	8	8	8	8
1/4	2,421.18	1/4	2,059.17	1/4	1,697.15	1/4	1,335.14	1/4	973.12	1/4	616.29	1/4	263.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,413.64	1/2	2,051.63	1/2	1,689.61	1/2	1,327.59	1/2	965.58	1/2	609.06	1/2	256.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,406.10	3/4	2,044.08	3/4	1,682.07	3/4	1,320.05	3/4	958.04	3/4	601.83	3/4	248.77	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1	2,398.56	1	2,036.54	1	1,674.53	1	1,312.51	1	950.49	1	594.61	1	241.23	1	9	9	9	9	9	9	9	9
1/4	2,391.02	1/4	2,029.00	1/4	1,666.98	1/4	1,304.97	1/4	942.95	1/4	587.38	1/4	233.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,383.47	1/2	2,021.46	1/2	1,659.44	1/2	1,297.43	1/2	935.41	1/2	580.15	1/2	226.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,375.93	3/4	2,013.92	3/4	1,651.90	3/4	1,289.88	3/4	927.87	3/4	572.92	3/4	218.60	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1	2,368.39	1	2,006.37	1	1,644.36	1	1,282.34	1	920.33	1	565.69	1	211.06	1	10	10	10	10	10	10	10	10
1/4	2,360.85	1/4	1,998.83	1/4	1,636.82	1/4	1,274.80	1/4	912.78	1/4	558.46	1/4	203.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,353.31	1/2	1,991.29	1/2	1,629.27	1/2	1,267.26	1/2	905.24	1/2	551.23	1/2	195.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,345.76	3/4	1,983.75	3/4	1,621.73	3/4	1,259.72	3/4	897.70	3/4	544.00	3/4	188.43	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1	2,338.22	1	1,976.21	1	1,614.19	1	1,252.17	1	890.16	1	536.77	1	180.89	1	11	11	11	11	11	11	11	11
1/4	2,330.68	1/4	1,968.66	1/4	1,606.65	1/4	1,244.63	1/4	882.62	1/4	529.54	1/4	173.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,323.14	1/2	1,961.12	1/2	1,599.11	1/2	1,237.09	1/2	875.07	1/2	522.31	1/2	165.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,315.60	3/4	1,953.58	3/4	1,591.56	3/4	1,229.55	3/4	867.53	3/4	515.08	3/4	158.34	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/1983 SI
DECK MEASUREMENTS: 1007/2003 CL - SW
REPRINTED: 10/08/2003 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2003

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



BARGE "KIRBY 30405"

2 STBD

ULLAGE TABLE

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

FORMERLY "HW 3026"

GAUGE HEIGHT 17'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GALGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 30405"

2 STBD ULLAGE TABLE



FORMERLY "HW 3026"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR
0	2,676.32	0	2,315.29	0	1,954.26	0	1,593.24	0	1,232.21	0	871.18	0	510.97	0	150.41	0		0	
1/4	2,668.80	1/4	2,307.77	1/4	1,946.74	1/4	1,585.71	1/4	1,224.69	1/4	863.66	1/4	503.48	1/4	142.91	1/4		1/4	
1/2	2,661.27	1/2	2,300.25	1/2	1,939.22	1/2	1,578.19	1/2	1,217.17	1/2	856.14	1/2	495.99	1/2	135.41	1/2		1/2	
3/4	2,653.75	3/4	2,292.73	3/4	1,931.70	3/4	1,570.67	3/4	1,209.64	3/4	848.52	3/4	488.50	3/4	127.91	3/4		3/4	
1	2,646.23	1	2,285.21	1	1,924.18	1	1,563.15	1	1,202.12	1	841.00	1	481.00	1	120.41	1		1	
1 1/4	2,638.71	1 1/4	2,277.68	1 1/4	1,916.66	1 1/4	1,555.63	1 1/4	1,194.60	1 1/4	833.57	1 1/4	473.51	1 1/4	112.92	1 1/4		1 1/4	
1 1/2	2,631.19	1 1/2	2,270.16	1 1/2	1,909.13	1 1/2	1,548.11	1 1/2	1,187.08	1 1/2	826.05	1 1/2	465.02	1 1/2	105.42	1 1/2		1 1/2	
3/4	2,623.67	3/4	2,262.64	3/4	1,901.61	3/4	1,540.59	3/4	1,179.56	3/4	818.53	3/4	458.53	3/4	97.92	3/4		3/4	
2	2,616.15	2	2,255.12	2	1,894.09	2	1,533.06	2	1,172.04	2	811.01	2	451.03	2	90.42	2		2	
2 1/4	2,608.63	2 1/4	2,247.60	2 1/4	1,886.57	2 1/4	1,525.54	2 1/4	1,164.52	2 1/4	803.49	2 1/4	443.54	2 1/4	82.92	2 1/4		2 1/4	
2 1/2	2,601.10	2 1/2	2,240.08	2 1/2	1,879.05	2 1/2	1,518.02	2 1/2	1,156.99	2 1/2	795.97	2 1/2	436.05	2 1/2	75.43	2 1/2		2 1/2	
3	2,593.58	3	2,232.56	3	1,871.53	3	1,510.50	3	1,149.47	3	788.45	3	428.56	3	67.93	3		3	
3 1/4	2,586.06	3 1/4	2,225.03	3 1/4	1,864.01	3 1/4	1,502.98	3 1/4	1,141.95	3 1/4	780.92	3 1/4	421.07	3 1/4	60.43	3 1/4		3 1/4	
3 1/2	2,578.54	3 1/2	2,217.51	3 1/2	1,856.49	3 1/2	1,495.46	3 1/2	1,134.43	3 1/2	773.40	3 1/2	413.54	3 1/2	53.85	3 1/2		3 1/2	
4	2,571.02	4	2,210.99	4	1,848.96	4	1,487.94	4	1,126.91	4	765.88	4	406.02	4	47.27	4		4	
4 1/4	2,563.50	4 1/4	2,202.47	4 1/4	1,841.44	4 1/4	1,480.42	4 1/4	1,119.39	4 1/4	758.36	4 1/4	398.50	4 1/4	40.69	4 1/4		4 1/4	
4 1/2	2,555.98	4 1/2	2,194.95	4 1/2	1,833.92	4 1/2	1,472.90	4 1/2	1,111.87	4 1/2	750.84	4 1/2	390.98	4 1/2	34.11	4 1/2		4 1/2	
5	2,548.45	5	2,187.43	5	1,826.40	5	1,465.37	5	1,104.35	5	743.32	5	383.46	5	29.41	5		5	
5 1/4	2,540.93	5 1/4	2,179.91	5 1/4	1,818.88	5 1/4	1,457.85	5 1/4	1,096.82	5 1/4	735.80	5 1/4	375.94	5 1/4	24.71	5 1/4		5 1/4	
5 1/2	2,533.41	5 1/2	2,172.38	5 1/2	1,811.36	5 1/2	1,450.33	5 1/2	1,089.30	5 1/2	728.27	5 1/2	368.42	5 1/2	20.01	5 1/2		5 1/2	
6	2,525.89	6	2,164.86	6	1,803.84	6	1,442.81	6	1,081.78	6	720.75	6	360.90	6	15.31	6		6	
6 1/4	2,518.37	6 1/4	2,157.34	6 1/4	1,796.31	6 1/4	1,435.29	6 1/4	1,074.26	6 1/4	713.26	6 1/4	353.38	6 1/4	10.61	6 1/4		6 1/4	
6 1/2	2,510.85	6 1/2	2,149.82	6 1/2	1,788.79	6 1/2	1,427.77	6 1/2	1,066.74	6 1/2	705.77	6 1/2	345.86	6 1/2	5.91	6 1/2		6 1/2	
7	2,503.33	7	2,142.30	7	1,781.27	7	1,420.24	7	1,059.22	7	698.28	7	338.34	7	1.21	7		7	
7 1/4	2,495.80	7 1/4	2,134.78	7 1/4	1,773.75	7 1/4	1,412.72	7 1/4	1,051.70	7 1/4	690.78	7 1/4	330.82	7 1/4	0.51	7 1/4		7 1/4	
7 1/2	2,488.28	7 1/2	2,127.26	7 1/2	1,766.23	7 1/2	1,405.20	7 1/2	1,044.17	7 1/2	683.29	7 1/2	323.30	7 1/2	0.01	7 1/2		7 1/2	
8	2,480.76	8	2,119.73	8	1,758.71	8	1,397.68	8	1,036.65	8	675.80	8	315.77	8	0.01	8		8	
8 1/4	2,473.24	8 1/4	2,112.21	8 1/4	1,751.19	8 1/4	1,390.16	8 1/4	1,029.13	8 1/4	668.31	8 1/4	308.25	8 1/4	0.01	8 1/4		8 1/4	
8 1/2	2,465.72	8 1/2	2,104.69	8 1/2	1,743.66	8 1/2	1,382.64	8 1/2	1,021.61	8 1/2	660.82	8 1/2	300.73	8 1/2	0.01	8 1/2		8 1/2	
9	2,458.20	9	2,097.17	9	1,736.14	9	1,375.12	9	1,014.09	9	653.32	9	293.21	9	0.01	9		9	
9 1/4	2,450.68	9 1/4	2,089.65	9 1/4	1,728.62	9 1/4	1,367.59	9 1/4	1,006.57	9 1/4	645.83	9 1/4	285.69	9 1/4	0.01	9 1/4		9 1/4	
9 1/2	2,443.15	9 1/2	2,082.13	9 1/2	1,721.10	9 1/2	1,360.07	9 1/2	999.05	9 1/2	638.34	9 1/2	278.17	9 1/2	0.01	9 1/2		9 1/2	
10	2,435.63	10	2,074.61	10	1,713.58	10	1,352.55	10	991.52	10	630.85	10	270.65	10	0.01	10		10	
10 1/4	2,428.11	10 1/4	2,067.08	10 1/4	1,706.06	10 1/4	1,345.03	10 1/4	984.00	10 1/4	623.35	10 1/4	263.13	10 1/4	0.01	10 1/4		10 1/4	
10 1/2	2,420.59	10 1/2	2,059.56	10 1/2	1,698.54	10 1/2	1,337.51	10 1/2	976.48	10 1/2	615.86	10 1/2	255.61	10 1/2	0.01	10 1/2		10 1/2	
11	2,413.07	11	2,052.04	11	1,691.01	11	1,329.99	11	968.96	11	608.37	11	248.09	11	0.01	11		11	
11 1/4	2,405.55	11 1/4	2,044.52	11 1/4	1,683.49	11 1/4	1,322.47	11 1/4	961.44	11 1/4	600.88	11 1/4	240.57	11 1/4	0.01	11 1/4		11 1/4	
11 1/2	2,398.03	11 1/2	2,037.00	11 1/2	1,675.97	11 1/2	1,314.94	11 1/2	953.92	11 1/2	593.39	11 1/2	233.05	11 1/2	0.01	11 1/2		11 1/2	
12	2,390.50	12	2,029.48	12	1,668.45	12	1,307.42	12	946.40	12	585.89	12	225.52	12	0.01	12		12	
12 1/4	2,382.98	12 1/4	2,021.96	12 1/4	1,660.93	12 1/4	1,299.90	12 1/4	938.87	12 1/4	578.40	12 1/4	218.00	12 1/4	0.01	12 1/4		12 1/4	
12 1/2	2,375.46	12 1/2	2,014.43	12 1/2	1,653.41	12 1/2	1,292.38	12 1/2	931.35	12 1/2	570.91	12 1/2	210.48	12 1/2	0.01	12 1/2		12 1/2	
13	2,367.94	13	2,006.91	13	1,645.89	13	1,284.86	13	923.83	13	563.42	13	202.96	13	0.01	13		13	
13 1/4	2,360.42	13 1/4	1,999.39	13 1/4	1,638.36	13 1/4	1,277.34	13 1/4	916.31	13 1/4	555.93	13 1/4	195.44	13 1/4	0.01	13 1/4		13 1/4	
13 1/2	2,352.90	13 1/2	1,991.87	13 1/2	1,630.84	13 1/2	1,269.82	13 1/2	908.79	13 1/2	548.43	13 1/2	187.92	13 1/2	0.01	13 1/2		13 1/2	
14	2,345.38	14	1,984.35	14	1,623.32	14	1,262.29	14	901.27	14	540.94	14	180.40	14	0.01	14		14	
14 1/4	2,337.85	14 1/4	1,976.83	14 1/4	1,615.80	14 1/4	1,254.77	14 1/4	893.75	14 1/4	533.45	14 1/4	172.90	14 1/4	0.01	14 1/4		14 1/4	
14 1/2	2,330.33	14 1/2	1,969.31	14 1/2	1,608.28	14 1/2	1,247.25	14 1/2	886.22	14 1/2	525.96	14 1/2	165.40	14 1/2	0.01	14 1/2		14 1/2	
15	2,322.81	15	1,961.78	15	1,600.76	15	1,239.73	15	878.70	15	518.46	15	157.91	15	0.01	15		15	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/1983 SI
DECK MEASUREMENTS: 10/07/2003 CL - SW
REPRINTED: 10/08/2003 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2003

PRECISION MEASUREMENT
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BARGE "KIRBY 30405"

3 PORT ULLAGE TABLE

FORMERLY "HW 3026"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0 FT.	IN	0 FT.	IN	0 FT.	IN	0 FT.	IN	0 FT.	IN	0 FT.	IN	0 FT.	IN	0 FT.	IN	0 FT.	IN	0 FT.
0	0	0	4,837.03	0	4,590.62	0	4,316.62	0	4,042.37	0	3,768.13	0	3,493.89	0	3,220.37	0	2,946.13	0	2,671.89
1/4	1/4	1/4	4,834.53	1/4	4,584.95	1/4	4,310.90	1/4	4,036.66	1/4	3,762.42	1/4	3,488.18	1/4	3,214.64	1/4	2,940.40	1/4	2,666.16
1/2	1/2	1/2	4,832.03	1/2	4,579.27	1/2	4,305.19	1/2	4,030.95	1/2	3,756.70	1/2	3,482.46	1/2	3,209.02	1/2	2,935.78	1/2	2,661.54
3/4	3/4	3/4	4,829.53	3/4	4,573.60	3/4	4,299.48	3/4	4,025.23	3/4	3,750.99	3/4	3,476.75	3/4	3,201.51	3/4	2,927.27	3/4	2,656.90
1	1	1	4,826.15	1	4,567.93	1	4,293.76	1	4,019.52	1	3,745.28	1	3,471.03	1	3,200.26	1	2,925.02	1	2,654.66
1 1/4	1 1/4	1 1/4	4,822.76	1 1/4	4,562.25	1 1/4	4,288.05	1 1/4	4,013.81	1 1/4	3,739.56	1 1/4	3,463.24	1 1/4	3,198.00	1 1/4	2,920.76	1 1/4	2,650.52
1 1/2	1 1/2	1 1/2	4,819.38	1 1/2	4,556.88	1 1/2	4,282.34	1 1/2	4,008.09	1 1/2	3,733.85	1 1/2	3,455.44	1 1/2	3,194.76	1 1/2	2,917.52	1 1/2	2,646.28
1 3/4	1 3/4	1 3/4	4,816.00	1 3/4	4,550.91	1 3/4	4,276.62	1 3/4	4,002.38	1 3/4	3,728.14	1 3/4	3,447.64	1 3/4	3,190.28	1 3/4	2,913.04	1 3/4	2,641.04
2	2	2	4,811.73	2	4,545.23	2	4,270.91	2	3,996.67	2	3,722.42	2	3,439.94	2	3,185.70	2	2,908.80	2	2,636.80
2 1/4	2 1/4	2 1/4	4,807.46	2 1/4	4,539.56	2 1/4	4,266.20	2 1/4	3,990.95	2 1/4	3,716.71	2 1/4	3,432.04	2 1/4	3,181.56	2 1/4	2,903.56	2 1/4	2,632.56
2 1/2	2 1/2	2 1/2	4,803.11	2 1/2	4,533.84	2 1/2	4,259.48	2 1/2	3,985.24	2 1/2	3,711.00	2 1/2	3,424.24	2 1/2	3,176.28	2 1/2	2,898.32	2 1/2	2,628.32
2 3/4	2 3/4	2 3/4	4,798.77	2 3/4	4,528.12	2 3/4	4,253.77	2 3/4	3,979.53	2 3/4	3,705.28	2 3/4	3,416.45	2 3/4	3,171.76	2 3/4	2,894.08	2 3/4	2,624.08
3	3	3	4,793.53	3	4,522.41	3	4,248.06	3	3,973.81	3	3,699.57	3	3,408.65	3	3,167.20	3	2,889.84	3	2,619.84
3 1/4	3 1/4	3 1/4	4,788.30	3 1/4	4,516.69	3 1/4	4,242.34	3 1/4	3,968.10	3 1/4	3,693.86	3 1/4	3,400.85	3 1/4	3,162.72	3 1/4	2,887.68	3 1/4	2,615.68
3 1/2	3 1/2	3 1/2	4,783.07	3 1/2	4,510.97	3 1/2	4,236.63	3 1/2	3,962.39	3 1/2	3,688.14	3 1/2	3,393.05	3 1/2	3,151.56	3 1/2	2,883.52	3 1/2	2,611.52
3 3/4	3 3/4	3 3/4	4,777.84	3 3/4	4,505.26	3 3/4	4,230.92	3 3/4	3,956.67	3 3/4	3,682.43	3 3/4	3,385.25	3 3/4	3,147.44	3 3/4	2,879.36	3 3/4	2,607.36
4	4	4	4,772.17	4	4,499.54	4	4,225.20	4	3,950.96	4	3,676.72	4	3,377.45	4	3,135.07	4	2,875.20	4	2,603.20
4 1/4	4 1/4	4 1/4	4,766.49	4 1/4	4,493.82	4 1/4	4,219.49	4 1/4	3,945.25	4 1/4	3,671.00	4 1/4	3,369.66	4 1/4	3,130.88	4 1/4	2,871.04	4 1/4	2,599.04
4 1/2	4 1/2	4 1/2	4,760.82	4 1/2	4,488.10	4 1/2	4,213.78	4 1/2	3,939.59	4 1/2	3,665.29	4 1/2	3,361.86	4 1/2	3,127.76	4 1/2	2,866.92	4 1/2	2,594.92
4 3/4	4 3/4	4 3/4	4,755.15	4 3/4	4,482.39	4 3/4	4,208.06	4 3/4	3,933.82	4 3/4	3,659.58	4 3/4	3,354.06	4 3/4	3,123.60	4 3/4	2,862.76	4 3/4	2,590.76
5	5	5	4,749.47	5	4,476.67	5	4,202.35	5	3,928.11	5	3,653.86	5	3,346.26	5	3,119.52	5	2,858.60	5	2,586.60
5 1/4	5 1/4	5 1/4	4,743.80	5 1/4	4,470.95	5 1/4	4,196.64	5 1/4	3,922.39	5 1/4	3,648.15	5 1/4	3,338.46	5 1/4	3,115.36	5 1/4	2,854.44	5 1/4	2,582.44
5 1/2	5 1/2	5 1/2	4,738.13	5 1/2	4,465.23	5 1/2	4,190.92	5 1/2	3,916.68	5 1/2	3,642.44	5 1/2	3,330.66	5 1/2	3,111.60	5 1/2	2,850.28	5 1/2	2,578.28
5 3/4	5 3/4	5 3/4	4,732.45	5 3/4	4,459.52	5 3/4	4,185.21	5 3/4	3,910.97	5 3/4	3,636.72	5 3/4	3,322.87	5 3/4	3,107.52	5 3/4	2,846.12	5 3/4	2,574.12
6	6	6	4,726.78	6	4,453.80	6	4,179.50	6	3,905.25	6	3,631.01	6	3,315.07	6	3,103.04	6	2,841.96	6	2,570.00
6 1/4	6 1/4	6 1/4	4,721.11	6 1/4	4,448.08	6 1/4	4,173.78	6 1/4	3,899.54	6 1/4	3,625.30	6 1/4	3,307.27	6 1/4	3,095.24	6 1/4	2,837.80	6 1/4	2,565.84
6 1/2	6 1/2	6 1/2	4,715.43	6 1/2	4,442.37	6 1/2	4,168.07	6 1/2	3,893.83	6 1/2	3,619.58	6 1/2	3,299.47	6 1/2	3,087.40	6 1/2	2,833.64	6 1/2	2,561.68
6 3/4	6 3/4	6 3/4	4,709.76	6 3/4	4,436.65	6 3/4	4,162.36	6 3/4	3,888.11	6 3/4	3,613.87	6 3/4	3,291.67	6 3/4	3,083.28	6 3/4	2,829.48	6 3/4	2,557.52
7	7	7	4,704.09	7	4,430.93	7	4,156.64	7	3,882.40	7	3,608.16	7	3,283.87	7	3,074.64	7	2,825.32	7	2,553.36
7 1/4	7 1/4	7 1/4	4,698.41	7 1/4	4,425.21	7 1/4	4,150.93	7 1/4	3,876.69	7 1/4	3,602.44	7 1/4	3,276.10	7 1/4	3,070.48	7 1/4	2,821.16	7 1/4	2,549.20
7 1/2	7 1/2	7 1/2	4,692.74	7 1/2	4,419.50	7 1/2	4,145.22	7 1/2	3,870.97	7 1/2	3,596.73	7 1/2	3,268.32	7 1/2	3,066.32	7 1/2	2,817.04	7 1/2	2,545.04
7 3/4	7 3/4	7 3/4	4,687.07	7 3/4	4,413.78	7 3/4	4,139.50	7 3/4	3,865.26	7 3/4	3,591.02	7 3/4	3,260.55	7 3/4	3,062.16	7 3/4	2,812.88	7 3/4	2,540.88
8	8	8	4,681.39	8	4,408.06	8	4,133.79	8	3,859.55	8	3,585.30	8	3,252.77	8	3,058.00	8	2,808.72	8	2,536.72
8 1/4	8 1/4	8 1/4	4,675.72	8 1/4	4,402.35	8 1/4	4,128.08	8 1/4	3,853.83	8 1/4	3,579.59	8 1/4	3,245.00	8 1/4	3,053.84	8 1/4	2,804.56	8 1/4	2,532.56
8 1/2	8 1/2	8 1/2	4,670.05	8 1/2	4,396.63	8 1/2	4,122.36	8 1/2	3,848.12	8 1/2	3,573.88	8 1/2	3,237.22	8 1/2	3,049.68	8 1/2	2,800.40	8 1/2	2,528.40
8 3/4	8 3/4	8 3/4	4,664.37	8 3/4	4,390.91	8 3/4	4,116.65	8 3/4	3,842.41	8 3/4	3,568.16	8 3/4	3,229.45	8 3/4	3,045.36	8 3/4	2,796.24	8 3/4	2,524.24
9	9	9	4,658.70	9	4,385.19	9	4,110.94	9	3,836.69	9	3,562.45	9	3,221.67	9	3,041.16	9	2,792.08	9	2,520.08
9 1/4	9 1/4	9 1/4	4,653.03	9 1/4	4,379.48	9 1/4	4,105.22	9 1/4	3,830.98	9 1/4	3,556.74	9 1/4	3,213.89	9 1/4	3,037.00	9 1/4	2,787.84	9 1/4	2,515.84
9 1/2	9 1/2	9 1/2	4,647.35	9 1/2	4,373.76	9 1/2	4,099.51	9 1/2	3,825.27	9 1/2	3,551.02	9 1/2	3,206.12	9 1/2	3,032.80	9 1/2	2,783.68	9 1/2	2,511.68
9 3/4	9 3/4	9 3/4	4,641.68	9 3/4	4,368.04	9 3/4	4,093.80	9 3/4	3,819.55	9 3/4	3,545.31	9 3/4	3,198.34	9 3/4	3,028.64	9 3/4	2,779.52	9 3/4	2,507.52
10	10	10	4,636.01	10	4,362.33	10	4,088.08	10	3,813.84	10	3,539.60	10	3,190.57	10	3,024.48	10	2,775.36	10	2,503.36
10 1/4	10 1/4	10 1/4	4,630.33	10 1/4	4,356.61	10 1/4	4,082.37	10 1/4	3,808.14	10 1/4	3,533.88	10 1/4	3,182.79	10 1/4	3,020.32	10 1/4	2,771.20	10 1/4	2,500.00
10 1/2	10 1/2	10 1/2	4,624.66	10 1/2	4,350.90	10 1/2	4,076.66	10 1/2	3,802.41	10 1/2	3,528.17	10 1/2	3,175.02	10 1/2	3,016.00	10 1/2	2,767.04	10 1/2	2,495.84
10 3/4	10 3/4	10 3/4	4,618.99	10 3/4	4,345.19	10 3/4	4,070.94	10 3/4	3,796.70	10 3/4	3,522.46	10 3/4	3,167.24	10 3/4	3,011.84	10 3/4	2,762.88	10 3/4	2,491.68
11	11	11	4,613.31	11	4,339.47	11	4,065.23	11	3,790.99	11	3,516.74	11	3,159.47	11	3,007.68	11	2,758.72	11	2,487.52
11 1/4	11 1/4	11 1/4	4,607.64	11 1/4	4,333.76	11 1/4	4,059.52	11 1/4	3,785.27	11 1/4	3,511.03	11 1/4	3,151.69	11 1/4	3,003.52	11 1/4	2,754.56	11 1/4	2,483.36
11 1/2	11 1/2	11 1/2	4,601.97	11 1/2	4,328.04	11 1/2	4,053.80	11 1/2	3,779.56	11 1/2	3,505.32	11 1/2	3,143.92	11 1/2	3,000.00	11 1/2	2,750.40	11 1/2	2,479.20
11 3/4	11 3/4	11 3/4	4,596.29	11 3/4	4,322.33	11 3/4	4,048.09	11 3/4	3,773.85	11 3/4	3,499.60	11 3/4	3,136.14	11 3/4	2,995.84	11 3/4	2,746.24	11 3/4	2,475.04

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 ONLY APPLIES TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 30405"

3 PORT ULLAGE TABLE

FORMERLY "HW 3026"
CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS
GAUGE HEIGHT 17'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR
0	2,755.12	0	2,381.75	0	2,008.37	0	1,635.00	0	1,261.63	0	888.26	0	525.07	0	156.09	0	0	0	0
1/4	2,747.34	1/4	2,373.97	1/4	2,000.60	1/4	1,627.22	1/4	1,253.85	1/4	880.48	1/4	517.62	1/4	148.31	1/4	1/4	1/4	1/4
1/2	2,739.56	1/2	2,366.19	1/2	1,992.82	1/2	1,619.44	1/2	1,246.07	1/2	872.70	1/2	510.16	1/2	140.53	1/2	1/2	1/2	1/2
3/4	2,731.78	3/4	2,358.41	3/4	1,985.04	3/4	1,611.67	3/4	1,238.29	3/4	864.92	3/4	502.71	3/4	132.75	3/4	3/4	3/4	3/4
1	2,724.01	1	2,350.63	1	1,977.26	1	1,603.89	1	1,230.51	1	857.14	1	495.25	1	124.97	1	1	1	1
1 1/4	2,716.23	1 1/4	2,342.85	1 1/4	1,969.48	1 1/4	1,596.11	1 1/4	1,222.74	1 1/4	849.36	1 1/4	487.80	1 1/4	117.18	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,708.45	1 1/2	2,335.08	1 1/2	1,961.70	1 1/2	1,588.33	1 1/2	1,214.96	1 1/2	841.58	1 1/2	480.34	1 1/2	109.39	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,700.67	3/4	2,327.30	3/4	1,953.92	3/4	1,580.55	3/4	1,207.18	3/4	833.81	3/4	472.88	3/4	101.60	3/4	3/4	3/4	3/4
2	2,692.89	2	2,319.52	2	1,946.15	2	1,572.77	2	1,199.40	2	826.03	2	465.43	2	93.81	2	2	2	2
2 1/4	2,685.11	2 1/4	2,311.74	2 1/4	1,938.37	2 1/4	1,564.99	2 1/4	1,191.62	2 1/4	818.25	2 1/4	457.97	2 1/4	86.02	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2,677.33	2 1/2	2,303.96	2 1/2	1,930.59	2 1/2	1,557.22	2 1/2	1,183.84	2 1/2	810.47	2 1/2	450.52	2 1/2	78.23	2 1/2	2 1/2	2 1/2	2 1/2
3	2,669.56	3	2,296.18	3	1,922.81	3	1,549.44	3	1,176.06	3	802.69	3	443.06	3	70.44	3	3	3	3
3 1/4	2,661.78	3 1/4	2,288.40	3 1/4	1,915.03	3 1/4	1,541.66	3 1/4	1,168.29	3 1/4	794.91	3 1/4	435.61	3 1/4	62.65	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	2,654.00	3 1/2	2,280.63	3 1/2	1,907.25	3 1/2	1,533.88	3 1/2	1,160.51	3 1/2	787.13	3 1/2	428.12	3 1/2	55.81	3 1/2	3 1/2	3 1/2	3 1/2
4	2,646.22	4	2,272.85	4	1,899.47	4	1,526.10	4	1,152.73	4	779.36	4	420.63	4	48.98	4	4	4	4
4 1/4	2,638.44	4 1/4	2,265.07	4 1/4	1,891.70	4 1/4	1,518.32	4 1/4	1,144.95	4 1/4	771.58	4 1/4	413.14	4 1/4	42.14	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	2,630.66	4 1/2	2,257.29	4 1/2	1,883.92	4 1/2	1,510.54	4 1/2	1,137.17	4 1/2	763.80	4 1/2	405.65	4 1/2	35.31	4 1/2	4 1/2	4 1/2	4 1/2
5	2,622.88	5	2,249.51	5	1,876.14	5	1,502.77	5	1,129.39	5	756.31	5	397.84	5	30.43	5	5	5	5
5 1/4	2,615.11	5 1/4	2,241.73	5 1/4	1,868.36	5 1/4	1,494.99	5 1/4	1,121.61	5 1/4	748.82	5 1/4	390.04	5 1/4	25.55	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	2,607.33	5 1/2	2,233.95	5 1/2	1,860.58	5 1/2	1,487.21	5 1/2	1,113.84	5 1/2	741.33	5 1/2	382.24	5 1/2	20.68	5 1/2	5 1/2	5 1/2	5 1/2
6	2,599.55	6	2,226.18	6	1,852.80	6	1,479.43	6	1,106.06	6	733.84	6	374.44	6	15.80	6	6	6	6
6 1/4	2,591.77	6 1/4	2,218.40	6 1/4	1,845.02	6 1/4	1,471.65	6 1/4	1,098.28	6 1/4	726.38	6 1/4	366.64	6 1/4	10.92	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	2,583.99	6 1/2	2,210.62	6 1/2	1,837.25	6 1/2	1,463.87	6 1/2	1,090.50	6 1/2	718.93	6 1/2	358.84	6 1/2	6.04	6 1/2	6 1/2	6 1/2	6 1/2
7	2,576.21	7	2,202.84	7	1,829.47	7	1,456.09	7	1,082.72	7	711.47	7	351.03	7	1.16	7	7	7	7
7 1/4	2,568.43	7 1/4	2,195.06	7 1/4	1,821.69	7 1/4	1,448.32	7 1/4	1,074.94	7 1/4	704.01	7 1/4	343.23	7 1/4	0.28	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	2,560.66	7 1/2	2,187.28	7 1/2	1,813.91	7 1/2	1,440.54	7 1/2	1,067.16	7 1/2	696.56	7 1/2	335.43	7 1/2	0.40	7 1/2	7 1/2	7 1/2	7 1/2
8	2,552.88	8	2,179.50	8	1,806.13	8	1,432.76	8	1,059.39	8	689.10	8	327.63	8	0.52	8	8	8	8
8 1/4	2,545.10	8 1/4	2,171.73	8 1/4	1,798.35	8 1/4	1,424.98	8 1/4	1,051.61	8 1/4	681.65	8 1/4	319.83	8 1/4	0.64	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	2,537.32	8 1/2	2,163.95	8 1/2	1,790.57	8 1/2	1,417.20	8 1/2	1,043.83	8 1/2	674.19	8 1/2	312.03	8 1/2	0.76	8 1/2	8 1/2	8 1/2	8 1/2
9	2,529.54	9	2,156.17	9	1,782.80	9	1,409.42	9	1,036.05	9	666.74	9	304.23	9	0.88	9	9	9	9
9 1/4	2,521.76	9 1/4	2,148.39	9 1/4	1,775.02	9 1/4	1,401.64	9 1/4	1,028.27	9 1/4	659.28	9 1/4	296.42	9 1/4	0.99	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	2,513.98	9 1/2	2,140.61	9 1/2	1,767.24	9 1/2	1,393.87	9 1/2	1,020.49	9 1/2	651.82	9 1/2	288.62	9 1/2	1.11	9 1/2	9 1/2	9 1/2	9 1/2
10	2,506.21	10	2,132.83	10	1,759.46	10	1,386.09	10	1,012.71	10	644.37	10	280.82	10	1.23	10	10	10	10
10 1/4	2,498.43	10 1/4	2,125.05	10 1/4	1,751.68	10 1/4	1,378.31	10 1/4	1,004.94	10 1/4	636.91	10 1/4	273.02	10 1/4	1.35	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	2,490.65	10 1/2	2,117.28	10 1/2	1,743.90	10 1/2	1,370.53	10 1/2	997.16	10 1/2	629.46	10 1/2	265.22	10 1/2	1.47	10 1/2	10 1/2	10 1/2	10 1/2
11	2,482.87	11	2,109.50	11	1,736.12	11	1,362.75	11	989.38	11	622.00	11	257.42	11	1.59	11	11	11	11
11 1/4	2,475.09	11 1/4	2,101.72	11 1/4	1,728.35	11 1/4	1,354.97	11 1/4	981.60	11 1/4	614.54	11 1/4	249.61	11 1/4	1.71	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	2,467.31	11 1/2	2,093.94	11 1/2	1,720.57	11 1/2	1,347.19	11 1/2	973.82	11 1/2	607.09	11 1/2	241.81	11 1/2	1.83	11 1/2	11 1/2	11 1/2	11 1/2
12	2,459.53	12	2,086.16	12	1,712.79	12	1,339.42	12	966.04	12	599.63	12	234.01	12	1.95	12	12	12	12
12 1/4	2,451.76	12 1/4	2,078.38	12 1/4	1,705.01	12 1/4	1,331.64	12 1/4	958.26	12 1/4	592.18	12 1/4	226.21	12 1/4	2.07	12 1/4	12 1/4	12 1/4	12 1/4
12 1/2	2,443.98	12 1/2	2,070.60	12 1/2	1,697.23	12 1/2	1,323.86	12 1/2	950.49	12 1/2	584.72	12 1/2	218.41	12 1/2	2.19	12 1/2	12 1/2	12 1/2	12 1/2
13	2,436.20	13	2,062.83	13	1,689.45	13	1,316.08	13	942.71	13	577.27	13	210.61	13	2.31	13	13	13	13
13 1/4	2,428.42	13 1/4	2,055.05	13 1/4	1,681.67	13 1/4	1,308.30	13 1/4	934.93	13 1/4	569.81	13 1/4	202.80	13 1/4	2.43	13 1/4	13 1/4	13 1/4	13 1/4
13 1/2	2,420.64	13 1/2	2,047.27	13 1/2	1,673.90	13 1/2	1,300.52	13 1/2	927.15	13 1/2	562.35	13 1/2	195.00	13 1/2	2.55	13 1/2	13 1/2	13 1/2	13 1/2
14	2,412.86	14	2,039.49	14	1,666.12	14	1,292.74	14	919.37	14	554.91	14	187.20	14	2.67	14	14	14	14
14 1/4	2,405.08	14 1/4	2,031.71	14 1/4	1,658.34	14 1/4	1,284.97	14 1/4	911.59	14 1/4	547.44	14 1/4	179.42	14 1/4	2.79	14 1/4	14 1/4	14 1/4	14 1/4
14 1/2	2,397.30	14 1/2	2,023.93	14 1/2	1,650.56	14 1/2	1,277.19	14 1/2	903.81	14 1/2	539.99	14 1/2	171.64	14 1/2	2.91	14 1/2	14 1/2	14 1/2	14 1/2
15	2,389.53	15	2,016.15	15	1,642.78	15	1,269.41	15	896.04	15	532.53	15	163.86	15	3.03	15	15	15	15

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/1993 S1
DECK MEASUREMENTS: 10/07/2003 CL - SW
REPRINTED: 10/08/2003 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2003

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



BARGE "KIRBY 30405"

3 STBD ULLAGE TABLE

FORMERLY "HW 3026"

GAUGE HEIGHT 17'-04 1/4"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		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	4,864.18	0	4,610.70	0	4,335.89	0	4,060.90	0	3,785.92	0	3,510.94	0	3,235.96	0	2,960.98	0	2,685.99
1/4	1/4	1/4	1/4	4,861.67	1/4	4,605.01	1/4	4,330.16	1/4	4,055.17	1/4	3,780.19	1/4	3,505.21	1/4	3,230.23	1/4	2,955.25	1/4	2,680.26
1/2	1/2	1/2	1/2	4,858.27	1/2	4,599.32	1/2	4,324.43	1/2	4,049.45	1/2	3,774.46	1/2	3,499.48	1/2	3,224.50	1/2	2,949.52	1/2	2,674.53
3/4	3/4	3/4	3/4	4,854.87	3/4	4,593.63	3/4	4,318.70	3/4	4,043.72	3/4	3,768.73	3/4	3,493.75	3/4	3,218.77	3/4	2,943.79	3/4	2,668.80
1	1	1	1	4,851.47	1	4,587.94	1	4,312.97	1	4,037.99	1	3,763.01	1	3,488.03	1	3,213.05	1	2,938.07	1	2,663.08
1/4	1/4	1/4	1/4	4,848.08	1/4	4,582.26	1/4	4,307.24	1/4	4,032.26	1/4	3,757.28	1/4	3,482.30	1/4	3,207.32	1/4	2,932.34	1/4	2,657.35
1/2	1/2	1/2	1/2	4,843.50	1/2	4,576.57	1/2	4,301.51	1/2	4,026.53	1/2	3,751.55	1/2	3,476.57	1/2	3,196.59	1/2	2,921.61	1/2	2,646.62
3/4	3/4	3/4	3/4	4,839.51	3/4	4,570.98	3/4	4,295.78	3/4	4,020.82	3/4	3,745.82	3/4	3,470.84	3/4	3,195.86	3/4	2,920.88	3/4	2,641.89
2	2	2	2	4,835.15	2	4,565.15	2	4,290.06	2	4,015.07	2	3,740.09	2	3,465.11	2	3,190.13	2	2,915.15	2	2,640.16
1/4	1/4	1/4	1/4	4,830.79	1/4	4,559.41	1/4	4,284.33	1/4	4,009.34	1/4	3,734.36	1/4	3,459.38	1/4	3,184.40	1/4	2,909.42	1/4	2,634.43
1/2	1/2	1/2	1/2	4,825.54	1/2	4,553.68	1/2	4,278.60	1/2	4,003.62	1/2	3,728.63	1/2	3,453.65	1/2	3,178.67	1/2	2,903.69	1/2	2,629.70
3/4	3/4	3/4	3/4	4,820.29	3/4	4,547.95	3/4	4,272.87	3/4	3,997.89	3/4	3,722.90	3/4	3,447.92	3/4	3,172.94	3/4	2,897.96	3/4	2,624.71
3	3	3	3	4,815.05	3	4,542.22	3	4,267.14	3	3,992.16	3	3,717.18	3	3,442.20	3	3,167.22	3	2,892.24	3	2,619.72
1/4	1/4	1/4	1/4	4,809.80	1/4	4,536.48	1/4	4,261.41	1/4	3,986.43	1/4	3,711.45	1/4	3,436.47	1/4	3,161.49	1/4	2,886.51	1/4	2,614.73
1/2	1/2	1/2	1/2	4,804.11	1/2	4,530.75	1/2	4,255.68	1/2	3,980.70	1/2	3,705.72	1/2	3,430.74	1/2	3,155.76	1/2	2,880.78	1/2	2,609.79
3/4	3/4	3/4	3/4	4,798.42	3/4	4,525.02	3/4	4,249.95	3/4	3,974.97	3/4	3,700.00	3/4	3,425.02	3/4	3,150.04	3/4	2,875.06	3/4	2,604.80
4	4	4	4	4,792.73	4	4,519.29	4	4,244.23	4	3,969.24	4	3,694.26	4	3,419.28	4	3,144.30	4	2,869.32	4	2,594.33
1/4	1/4	1/4	1/4	4,787.05	1/4	4,513.55	1/4	4,238.50	1/4	3,963.51	1/4	3,688.53	1/4	3,413.55	1/4	3,138.57	1/4	2,863.59	1/4	2,588.60
1/2	1/2	1/2	1/2	4,781.36	1/2	4,507.82	1/2	4,232.77	1/2	3,957.79	1/2	3,682.80	1/2	3,407.82	1/2	3,132.84	1/2	2,857.86	1/2	2,583.87
3/4	3/4	3/4	3/4	4,775.67	3/4	4,502.09	3/4	4,227.04	3/4	3,952.06	3/4	3,677.07	3/4	3,402.09	3/4	3,127.11	3/4	2,852.13	3/4	2,578.14
5	5	5	5	4,769.98	5	4,496.36	5	4,221.31	5	3,946.33	5	3,671.35	5	3,396.37	5	3,121.39	5	2,846.41	5	2,571.42
1/4	1/4	1/4	1/4	4,764.29	1/4	4,490.62	1/4	4,215.58	1/4	3,940.60	1/4	3,665.62	1/4	3,390.64	1/4	3,115.66	1/4	2,840.68	1/4	2,565.69
1/2	1/2	1/2	1/2	4,758.60	1/2	4,484.89	1/2	4,209.85	1/2	3,934.87	1/2	3,659.89	1/2	3,384.91	1/2	3,109.93	1/2	2,834.95	1/2	2,559.96
3/4	3/4	3/4	3/4	4,752.91	3/4	4,479.16	3/4	4,204.12	3/4	3,929.14	3/4	3,654.16	3/4	3,379.18	3/4	3,104.20	3/4	2,829.22	3/4	2,554.23
6	6	6	6	4,747.22	6	4,473.43	6	4,198.39	6	3,923.41	6	3,648.43	6	3,373.45	6	3,098.47	6	2,823.49	6	2,548.50
1/4	1/4	1/4	1/4	4,741.54	1/4	4,467.70	1/4	4,192.67	1/4	3,917.68	1/4	3,642.70	1/4	3,367.72	1/4	3,092.74	1/4	2,817.76	1/4	2,542.77
1/2	1/2	1/2	1/2	4,735.85	1/2	4,461.96	1/2	4,186.94	1/2	3,911.95	1/2	3,636.97	1/2	3,361.99	1/2	3,087.01	1/2	2,812.03	1/2	2,537.04
3/4	3/4	3/4	3/4	4,730.16	3/4	4,456.23	3/4	4,181.21	3/4	3,906.23	3/4	3,631.24	3/4	3,356.26	3/4	3,081.28	3/4	2,806.30	3/4	2,532.31
7	7	7	7	4,724.47	7	4,450.50	7	4,175.48	7	3,900.50	7	3,625.51	7	3,350.53	7	3,075.55	7	2,800.57	7	2,527.58
1/4	1/4	1/4	1/4	4,718.78	1/4	4,444.77	1/4	4,169.75	1/4	3,894.77	1/4	3,619.79	1/4	3,344.81	1/4	3,069.83	1/4	2,794.85	1/4	2,520.86
1/2	1/2	1/2	1/2	4,713.09	1/2	4,439.03	1/2	4,164.02	1/2	3,889.04	1/2	3,614.06	1/2	3,339.08	1/2	3,064.10	1/2	2,789.12	1/2	2,514.13
3/4	3/4	3/4	3/4	4,707.40	3/4	4,433.30	3/4	4,158.29	3/4	3,883.31	3/4	3,608.33	3/4	3,333.35	3/4	3,058.37	3/4	2,783.39	3/4	2,509.40
8	8	8	8	4,701.72	8	4,427.57	8	4,152.56	8	3,877.58	8	3,602.60	8	3,327.62	8	3,052.64	8	2,777.66	8	2,503.67
1/4	1/4	1/4	1/4	4,696.03	1/4	4,421.84	1/4	4,146.84	1/4	3,871.85	1/4	3,596.87	1/4	3,321.89	1/4	3,046.91	1/4	2,771.93	1/4	2,496.94
1/2	1/2	1/2	1/2	4,690.34	1/2	4,416.10	1/2	4,141.11	1/2	3,866.12	1/2	3,591.14	1/2	3,316.16	1/2	3,041.18	1/2	2,766.20	1/2	2,491.21
3/4	3/4	3/4	3/4	4,684.65	3/4	4,410.37	3/4	4,135.38	3/4	3,860.40	3/4	3,585.41	3/4	3,310.43	3/4	3,035.45	3/4	2,760.47	3/4	2,485.48
9	9	9	9	4,678.96	9	4,404.64	9	4,129.65	9	3,854.67	9	3,579.68	9	3,304.70	9	3,029.72	9	2,754.74	9	2,480.75
1/4	1/4	1/4	1/4	4,673.27	1/4	4,398.91	1/4	4,123.92	1/4	3,848.94	1/4	3,573.96	1/4	3,300.00	1/4	3,025.02	1/4	2,750.04	1/4	2,475.05
1/2	1/2	1/2	1/2	4,667.58	1/2	4,393.17	1/2	4,118.19	1/2	3,843.21	1/2	3,568.23	1/2	3,293.25	1/2	3,018.27	1/2	2,743.29	1/2	2,468.30
3/4	3/4	3/4	3/4	4,661.90	3/4	4,387.45	3/4	4,112.46	3/4	3,837.48	3/4	3,562.50	3/4	3,287.52	3/4	3,012.54	3/4	2,737.56	3/4	2,462.57
10	10	10	10	4,656.21	10	4,381.72	10	4,106.73	10	3,831.75	10	3,556.77	10	3,281.79	10	3,006.81	10	2,731.83	10	2,456.84
1/4	1/4	1/4	1/4	4,650.52	1/4	4,375.99	1/4	4,101.01	1/4	3,826.02	1/4	3,551.04	1/4	3,276.06	1/4	3,001.08	1/4	2,726.10	1/4	2,451.11
1/2	1/2	1/2	1/2	4,644.83	1/2	4,370.26	1/2	4,095.28	1/2	3,820.29	1/2	3,545.31	1/2	3,270.33	1/2	3,000.35	1/2	2,725.37	1/2	2,446.38
3/4	3/4	3/4	3/4	4,639.14	3/4	4,364.53	3/4	4,089.55	3/4	3,814.57	3/4	3,539.58	3/4	3,264.60	3/4	2,994.62	3/4	2,719.64	3/4	2,441.65
11	11	11	11	4,633.45	11	4,358.80	11	4,083.82	11	3,808.84	11	3,533.85	11	3,258.87	11	2,988.89	11	2,713.91	11	2,438.92
1/4	1/4	1/4	1/4	4,627.76	1/4	4,353.07	1/4	4,078.09	1/4	3,803.11	1/4	3,528.13	1/4	3,253.15	1/4	2,978.17	1/4	2,703.19	1/4	2,428.20
1/2	1/2	1/2	1/2	4,622.08	1/2	4,347.34	1/2	4,072.36	1/2	3,797.38	1/2	3,522.40	1/2	3,247.42	1/2	2,972.44	1/2	2,697.46	1/2	2,423.47
3/4	3/4	3/4	3/4	4,616.39	3/4	4,341.61	3/4	4,066.63	3/4	3,791.65	3/4	3,516.67	3/4	3,241.69	3/4	2,966.71	3/4	2,691.73	3/4	2,416.74

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'-08" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 30405"

3 STBD ULLAGE TABLE



FORMERLY "HW 3026"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR
0	2,764.83	0	2,389.53	0	2,014.23	0	1,638.93	0	1,263.62	0	888.32	0	515.04	0	140.64	0	0	0	0
1/4	2,757.01	1/4	2,381.71	1/4	2,006.41	1/4	1,631.11	1/4	1,255.80	1/4	880.50	1/4	507.28	1/4	132.85	1/4	0	0	0
1/2	2,749.20	1/2	2,373.89	1/2	1,998.59	1/2	1,623.29	1/2	1,247.99	1/2	872.68	1/2	499.53	1/2	125.05	1/2	0	0	0
3/4	2,741.38	3/4	2,366.07	3/4	1,990.77	3/4	1,615.47	3/4	1,240.17	3/4	864.86	3/4	491.77	3/4	117.25	3/4	0	0	0
1	2,733.56	1	2,358.26	1	1,982.95	1	1,607.65	1	1,232.35	1	857.05	1	484.02	1	109.46	1	0	0	0
1/4	2,725.74	1/4	2,350.44	1/4	1,975.13	1/4	1,599.83	1/4	1,224.53	1/4	849.23	1/4	476.26	1/4	101.66	1/4	0	0	0
1/2	2,717.92	1/2	2,342.62	1/2	1,967.32	1/2	1,592.01	1/2	1,216.71	1/2	841.41	1/2	468.51	1/2	93.87	1/2	0	0	0
3/4	2,710.10	3/4	2,334.80	3/4	1,959.50	3/4	1,584.19	3/4	1,208.89	3/4	833.59	3/4	460.75	3/4	86.07	3/4	0	0	0
2	2,702.28	2	2,326.98	2	1,951.68	2	1,576.38	2	1,201.07	2	825.77	2	452.99	2	78.28	2	0	0	0
1/4	2,694.46	1/4	2,319.16	1/4	1,943.86	1/4	1,568.56	1/4	1,193.25	1/4	817.95	1/4	445.24	1/4	70.48	1/4	0	0	0
1/2	2,686.65	1/2	2,311.34	1/2	1,936.04	1/2	1,560.74	1/2	1,185.44	1/2	810.13	1/2	437.48	1/2	62.69	1/2	0	0	0
3/4	2,678.83	3/4	2,303.52	3/4	1,928.22	3/4	1,552.92	3/4	1,177.62	3/4	802.31	3/4	429.70	3/4	55.85	3/4	0	0	0
3	2,671.01	3	2,295.71	3	1,920.40	3	1,545.10	3	1,169.80	3	794.50	3	421.91	3	49.01	3	0	0	0
1/4	2,663.19	1/4	2,287.89	1/4	1,912.58	1/4	1,537.28	1/4	1,161.98	1/4	786.68	1/4	414.12	1/4	42.17	1/4	0	0	0
1/2	2,655.37	1/2	2,280.07	1/2	1,904.77	1/2	1,529.46	1/2	1,154.16	1/2	778.86	1/2	406.33	1/2	35.33	1/2	0	0	0
3/4	2,647.55	3/4	2,272.25	3/4	1,896.95	3/4	1,521.64	3/4	1,146.34	3/4	771.07	3/4	398.51	3/4	30.45	3/4	0	0	0
4	2,639.73	4	2,264.43	4	1,889.13	4	1,513.83	4	1,138.52	4	763.28	4	390.69	4	25.57	4	0	0	0
1/4	2,631.91	1/4	2,256.61	1/4	1,881.31	1/4	1,506.01	1/4	1,130.70	1/4	755.48	1/4	382.87	1/4	20.69	1/4	0	0	0
1/2	2,624.09	1/2	2,248.79	1/2	1,873.49	1/2	1,498.19	1/2	1,122.89	1/2	747.69	1/2	375.05	1/2	15.81	1/2	0	0	0
3/4	2,616.28	3/4	2,240.97	3/4	1,865.67	3/4	1,490.37	3/4	1,115.07	3/4	739.94	3/4	367.24	3/4	10.93	3/4	0	0	0
5	2,608.46	5	2,233.15	5	1,857.85	5	1,482.55	5	1,107.25	5	732.18	5	359.42	5	6.05	5	0	0	0
1/4	2,600.64	1/4	2,225.34	1/4	1,850.03	1/4	1,474.73	1/4	1,099.43	1/4	724.43	1/4	351.60	1/4	1.17	1/4	0	0	0
1/2	2,592.82	1/2	2,217.52	1/2	1,842.21	1/2	1,466.91	1/2	1,091.61	1/2	716.67	1/2	343.78	1/2	0.29	1/2	0	0	0
3/4	2,585.00	3/4	2,209.70	3/4	1,834.40	3/4	1,459.09	3/4	1,083.79	3/4	708.92	3/4	335.96	3/4	0.41	3/4	0	0	0
6	2,577.18	6	2,201.88	6	1,826.58	6	1,451.27	6	1,075.97	6	701.16	6	328.14	6	0.53	6	0	0	0
1/4	2,569.36	1/4	2,194.06	1/4	1,818.76	1/4	1,443.46	1/4	1,068.15	1/4	693.41	1/4	320.33	1/4	0.65	1/4	0	0	0
1/2	2,561.54	1/2	2,186.24	1/2	1,810.94	1/2	1,435.64	1/2	1,060.33	1/2	685.65	1/2	312.51	1/2	0.77	1/2	0	0	0
3/4	2,553.73	3/4	2,178.42	3/4	1,803.12	3/4	1,427.82	3/4	1,052.52	3/4	677.90	3/4	304.69	3/4	0.89	3/4	0	0	0
7	2,545.91	7	2,170.60	7	1,795.30	7	1,420.00	7	1,044.70	7	670.14	7	296.87	7	1.01	7	0	0	0
1/4	2,538.09	1/4	2,162.78	1/4	1,787.48	1/4	1,412.18	1/4	1,036.88	1/4	662.39	1/4	289.05	1/4	1.13	1/4	0	0	0
1/2	2,530.27	1/2	2,154.97	1/2	1,779.66	1/2	1,404.36	1/2	1,029.06	1/2	654.63	1/2	281.23	1/2	1.25	1/2	0	0	0
3/4	2,522.45	3/4	2,147.15	3/4	1,771.85	3/4	1,396.54	3/4	1,021.24	3/4	646.87	3/4	273.42	3/4	1.37	3/4	0	0	0
8	2,514.63	8	2,139.33	8	1,764.03	8	1,388.72	8	1,013.42	8	639.12	8	265.60	8	1.49	8	0	0	0
1/4	2,506.81	1/4	2,131.51	1/4	1,756.21	1/4	1,380.91	1/4	1,005.60	1/4	631.36	1/4	257.78	1/4	1.61	1/4	0	0	0
1/2	2,498.99	1/2	2,123.69	1/2	1,748.39	1/2	1,373.09	1/2	997.78	1/2	623.61	1/2	249.96	1/2	1.73	1/2	0	0	0
3/4	2,491.18	3/4	2,115.87	3/4	1,740.57	3/4	1,365.27	3/4	989.97	3/4	615.85	3/4	242.14	3/4	1.85	3/4	0	0	0
9	2,483.36	9	2,108.05	9	1,732.75	9	1,357.45	9	982.15	9	608.10	9	234.32	9	1.97	9	0	0	0
1/4	2,475.54	1/4	2,100.24	1/4	1,724.93	1/4	1,349.63	1/4	974.33	1/4	600.34	1/4	226.51	1/4	2.09	1/4	0	0	0
1/2	2,467.72	1/2	2,092.42	1/2	1,717.11	1/2	1,341.81	1/2	966.51	1/2	592.59	1/2	218.69	1/2	2.21	1/2	0	0	0
3/4	2,459.90	3/4	2,084.60	3/4	1,709.30	3/4	1,333.99	3/4	958.69	3/4	584.83	3/4	210.87	3/4	2.33	3/4	0	0	0
10	2,452.08	10	2,076.78	10	1,701.48	10	1,326.17	10	950.87	10	577.08	10	203.05	10	2.45	10	0	0	0
1/4	2,444.26	1/4	2,068.96	1/4	1,693.66	1/4	1,318.36	1/4	943.05	1/4	569.32	1/4	195.23	1/4	2.57	1/4	0	0	0
1/2	2,436.44	1/2	2,061.14	1/2	1,685.84	1/2	1,310.54	1/2	935.23	1/2	561.57	1/2	187.41	1/2	2.69	1/2	0	0	0
3/4	2,428.62	3/4	2,053.32	3/4	1,678.02	3/4	1,302.72	3/4	927.42	3/4	553.81	3/4	179.62	3/4	2.81	3/4	0	0	0
11	2,420.81	11	2,045.50	11	1,670.20	11	1,294.90	11	919.60	11	546.06	11	171.82	11	2.93	11	0	0	0
1/4	2,412.99	1/4	2,037.68	1/4	1,662.38	1/4	1,287.08	1/4	911.78	1/4	538.30	1/4	164.03	1/4	3.05	1/4	0	0	0
1/2	2,405.17	1/2	2,029.87	1/2	1,654.56	1/2	1,279.26	1/2	903.96	1/2	530.55	1/2	156.23	1/2	3.17	1/2	0	0	0
3/4	2,397.35	3/4	2,022.05	3/4	1,646.74	3/4	1,271.44	3/4	896.14	3/4	522.79	3/4	148.44	3/4	3.29	3/4	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/1983 SI
 DECK MEASUREMENTS: 1007/2003 CL - SW
 REPRINTED: 10/08/2003 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2003

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