



BARGE "KIRBY 10043"

ULLAGE TRIM TABLE

FORMERLY "HW 1068"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 155'-06"

August 17, 2004

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 10043"

1 CENTER ULLAGE TABLE

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

FORMERLY "HW 1068"

GAUGE HEIGHT 17'-00 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	B	N	B	N	B	N	B	N	B	N	B	N	B	N	B	N	B	N	B
0	0	0	0	0	0	3,378.77	0	3,145.13	0	2,911.51	0	2,677.87	0	2,436.32	0	2,188.87	0	1,941.44	
1/4	1/4	1/4	1/4	1/4	1/4	3,373.90	1/4	3,140.26	1/4	2,906.64	1/4	2,673.00	1/4	2,431.17	1/4	2,183.72	1/4	1,936.29	
1/2	1/2	1/2	1/2	1/2	1/2	3,369.05	1/2	3,135.40	1/2	2,901.77	1/2	2,668.13	1/2	2,428.01	1/2	2,178.56	1/2	1,931.12	
3/4	3/4	3/4	3/4	3/4	3/4	3,364.19	3/4	3,130.54	3/4	2,896.90	3/4	2,663.26	3/4	2,420.86	3/4	2,173.41	3/4	1,925.95	
1	1	1	1	1	1	3,359.33	1	3,125.67	1	2,892.04	1	2,658.39	1	2,415.70	1	2,168.25	1	1,920.79	
1/4	1/4	1/4	1/4	1/4	1/4	3,354.48	1/4	3,120.81	1/4	2,887.17	1/4	2,653.52	1/4	2,410.55	1/4	2,163.10	1/4	1,915.62	
1/2	1/2	1/2	1/2	1/2	1/2	3,349.60	1/2	3,115.95	1/2	2,882.30	1/2	2,648.66	1/2	2,405.39	1/2	2,157.94	1/2	1,910.48	
3/4	3/4	3/4	3/4	3/4	3/4	3,344.73	3/4	3,111.10	3/4	2,877.43	3/4	2,643.80	3/4	2,400.24	3/4	2,152.79	3/4	1,905.33	
2	2	2	2	2	2	3,339.85	2	3,106.24	2	2,872.56	2	2,638.93	2	2,395.08	2	2,147.63	2	1,900.19	
1/4	1/4	1/4	1/4	1/4	1/4	3,334.98	1/4	3,101.38	1/4	2,867.69	1/4	2,634.07	1/4	2,389.93	1/4	2,142.48	1/4	1,895.05	
1/2	1/2	1/2	1/2	1/2	1/2	3,330.11	1/2	3,096.50	1/2	2,862.83	1/2	2,629.20	1/2	2,384.77	1/2	2,137.32	1/2	1,889.89	
3/4	3/4	3/4	3/4	3/4	3/4	3,325.24	3/4	3,091.62	3/4	2,857.96	3/4	2,624.33	3/4	2,379.62	3/4	2,132.17	3/4	1,884.74	
3	3	3	3	3	3	3,320.37	3	3,086.74	3	2,853.10	3	2,619.46	3	2,374.46	3	2,127.01	3	1,879.58	
1/4	1/4	1/4	1/4	1/4	1/4	3,315.50	1/4	3,081.86	1/4	2,848.24	1/4	2,614.60	1/4	2,369.31	1/4	2,121.86	1/4	1,874.43	
1/2	1/2	1/2	1/2	1/2	1/2	3,310.63	1/2	3,076.99	1/2	2,843.37	1/2	2,609.73	1/2	2,364.16	1/2	2,116.70	1/2	1,869.27	
3/4	3/4	3/4	3/4	3/4	3/4	3,305.76	3/4	3,072.12	3/4	2,838.50	3/4	2,604.86	3/4	2,359.00	3/4	2,111.55	3/4	1,864.12	
4	4	4	4	4	4	3,300.89	4	3,067.25	4	2,833.63	4	2,599.99	4	2,353.85	4	2,106.39	4	1,858.96	
1/4	1/4	1/4	1/4	1/4	1/4	3,296.02	1/4	3,062.38	1/4	2,828.76	1/4	2,595.12	1/4	2,348.69	1/4	2,101.24	1/4	1,853.81	
1/2	1/2	1/2	1/2	1/2	1/2	3,291.15	1/2	3,057.52	1/2	2,823.89	1/2	2,590.25	1/2	2,343.54	1/2	2,096.08	1/2	1,848.65	
3/4	3/4	3/4	3/4	3/4	3/4	3,286.29	3/4	3,052.65	3/4	2,819.02	3/4	2,585.38	3/4	2,338.38	3/4	2,090.93	3/4	1,843.50	
5	5	5	5	5	5	3,281.42	5	3,047.79	5	2,814.16	5	2,580.51	5	2,333.23	5	2,085.77	5	1,838.35	
1/4	1/4	1/4	1/4	1/4	1/4	3,276.55	1/4	3,042.93	1/4	2,809.29	1/4	2,575.64	1/4	2,328.07	1/4	2,080.62	1/4	1,833.19	
1/2	1/2	1/2	1/2	1/2	1/2	3,271.68	1/2	3,038.06	1/2	2,804.42	1/2	2,570.77	1/2	2,322.92	1/2	2,075.46	1/2	1,828.02	
3/4	3/4	3/4	3/4	3/4	3/4	3,266.82	3/4	3,033.19	3/4	2,799.55	3/4	2,565.26	3/4	2,317.76	3/4	2,070.31	3/4	1,822.86	
6	6	6	6	6	6	3,261.96	6	3,028.32	6	2,794.68	6	2,560.07	6	2,312.61	6	2,065.16	6	1,817.69	
1/4	1/4	1/4	1/4	1/4	1/4	3,257.10	1/4	3,023.45	1/4	2,789.81	1/4	2,555.88	1/4	2,307.45	1/4	2,060.00	1/4	1,812.52	
1/2	1/2	1/2	1/2	1/2	1/2	3,252.23	1/2	3,018.58	1/2	2,784.95	1/2	2,550.73	1/2	2,302.29	1/2	2,054.85	1/2	1,807.38	
3/4	3/4	3/4	3/4	3/4	3/4	3,247.36	3/4	3,013.71	3/4	2,780.08	3/4	2,544.57	3/4	2,297.13	3/4	2,049.69	3/4	1,802.24	
7	7	7	7	7	7	3,242.49	7	3,008.85	7	2,775.22	7	2,539.42	7	2,291.97	7	2,044.54	7	1,797.10	
1/4	1/4	1/4	1/4	1/4	1/4	3,237.62	1/4	3,003.98	1/4	2,770.36	1/4	2,534.26	1/4	2,286.81	1/4	2,039.38	1/4	1,791.95	
1/2	1/2	1/2	1/2	1/2	1/2	3,232.75	1/2	2,999.11	1/2	2,765.49	1/2	2,529.11	1/2	2,281.66	1/2	2,034.23	1/2	1,786.79	
3/4	3/4	3/4	3/4	3/4	3/4	3,227.88	3/4	2,994.25	3/4	2,760.62	3/4	2,523.95	3/4	2,276.50	3/4	2,029.07	3/4	1,781.63	
8	8	8	8	8	8	3,223.01	8	2,989.39	8	2,755.75	8	2,518.80	8	2,271.35	8	2,023.92	8	1,776.47	
1/4	1/4	1/4	1/4	1/4	1/4	3,218.14	1/4	2,984.52	1/4	2,750.88	1/4	2,513.64	1/4	2,266.19	1/4	2,018.76	1/4	1,771.31	
1/2	1/2	1/2	1/2	1/2	1/2	3,213.28	1/2	2,979.66	1/2	2,746.01	1/2	2,508.49	1/2	2,261.04	1/2	2,013.61	1/2	1,766.16	
3/4	3/4	3/4	3/4	3/4	3/4	3,208.42	3/4	2,974.79	3/4	2,741.14	3/4	2,503.33	3/4	2,255.88	3/4	2,008.45	3/4	1,761.00	
9	9	9	9	9	9	3,203.55	9	2,969.92	9	2,736.27	9	2,498.18	9	2,250.73	9	2,003.30	9	1,755.85	
1/4	1/4	1/4	1/4	1/4	1/4	3,198.69	1/4	2,965.05	1/4	2,731.40	1/4	2,493.03	1/4	2,245.57	1/4	1,998.14	1/4	1,750.69	
1/2	1/2	1/2	1/2	1/2	1/2	3,193.82	1/2	2,960.18	1/2	2,726.54	1/2	2,487.87	1/2	2,240.42	1/2	1,993.00	1/2	1,745.54	
3/4	3/4	3/4	3/4	3/4	3/4	3,188.95	3/4	2,955.31	3/4	2,721.68	3/4	2,482.72	3/4	2,235.26	3/4	1,987.86	3/4	1,740.38	
10	10	10	10	10	10	3,184.08	10	2,950.44	10	2,716.82	10	2,477.56	10	2,230.11	10	1,982.71	10	1,735.23	
1/4	1/4	1/4	1/4	1/4	1/4	3,179.21	1/4	2,945.57	1/4	2,711.95	1/4	2,472.41	1/4	2,224.95	1/4	1,977.57	1/4	1,730.07	
1/2	1/2	1/2	1/2	1/2	1/2	3,174.35	1/2	2,940.70	1/2	2,707.08	1/2	2,467.25	1/2	2,219.80	1/2	1,972.40	1/2	1,724.92	
3/4	3/4	3/4	3/4	3/4	3/4	3,169.48	3/4	2,935.83	3/4	2,702.21	3/4	2,462.10	3/4	2,214.64	3/4	1,967.24	3/4	1,719.77	
11	11	11	11	11	11	3,164.61	11	2,930.96	11	2,697.34	11	2,456.94	11	2,209.49	11	1,962.07	11	1,714.61	
1/4	1/4	1/4	1/4	1/4	1/4	3,159.74	1/4	2,926.10	1/4	2,692.48	1/4	2,451.79	1/4	2,204.33	1/4	1,956.90	1/4	1,709.46	
1/2	1/2	1/2	1/2	1/2	1/2	3,154.87	1/2	2,921.23	1/2	2,687.61	1/2	2,446.63	1/2	2,199.18	1/2	1,951.75	1/2	1,704.30	
3/4	3/4	3/4	3/4	3/4	3/4	3,150.00	3/4	2,916.37	3/4	2,682.74	3/4	2,441.48	3/4	2,194.03	3/4	1,946.60	3/4	1,699.15	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 28'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P. O. Box 2092
 Pearland, Texas 77589
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BARGE "KIRBY 10043"

1 CENTER ULLAGE TABLE

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

FORMERLY "HW 1068"

GAUGE HEIGHT 17'-00 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,693.99	0	1,446.56	0	1,199.11	0	951.88	0	704.52	0	457.42	0	210.04	0	1.52	0		0	
1/4	1,688.84	1/4	1,441.41	1/4	1,193.96	1/4	946.53	1/4	699.38	1/4	452.26	1/4	204.88	1/4	0.67	1/4		1/4	
1/2	1,683.68	1/2	1,436.25	1/2	1,188.80	1/2	941.37	1/2	694.24	1/2	447.11	1/2	199.73	1/2		1/2		1/2	
3/4	1,678.53	3/4	1,431.10	3/4	1,183.65	3/4	936.22	3/4	689.10	3/4	441.95	3/4	194.57	3/4		3/4		3/4	
1	1,673.37	1	1,425.94	1	1,178.49	1	931.06	1	683.95	1	436.80	1	189.42	1	1	1		1	
1-1/4	1,668.22	1-1/4	1,420.79	1-1/4	1,173.34	1-1/4	925.91	1-1/4	678.81	1-1/4	431.64	1-1/4	184.26	1-1/4	1-1/4	1-1/4		1-1/4	
1-1/2	1,663.06	1-1/2	1,415.63	1-1/2	1,168.18	1-1/2	920.75	1-1/2	673.67	1-1/2	426.49	1-1/2	179.11	1-1/2	1-1/2	1-1/2		1-1/2	
3/4	1,657.91	3/4	1,410.48	3/4	1,163.03	3/4	915.60	3/4	668.54	3/4	421.33	3/4	173.95	3/4	3/4	3/4		3/4	
2	1,652.75	2	1,405.32	2	1,157.87	2	910.44	2	663.40	2	416.18	2	168.80	2	2	2		2	
2-1/4	1,647.60	2-1/4	1,400.17	2-1/4	1,152.72	2-1/4	905.29	2-1/4	658.26	2-1/4	411.02	2-1/4	163.64	2-1/4	2-1/4	2-1/4		2-1/4	
2-1/2	1,642.44	2-1/2	1,395.01	2-1/2	1,147.56	2-1/2	900.13	2-1/2	653.12	2-1/2	405.88	2-1/2	158.48	2-1/2	2-1/2	2-1/2		2-1/2	
3-1/4	1,637.29	3-1/4	1,389.86	3-1/4	1,142.41	3-1/4	894.98	3-1/4	647.98	3-1/4	400.73	3-1/4	153.32	3-1/4	3-1/4	3-1/4		3-1/4	
3	1,632.13	3	1,384.70	3	1,137.25	3	889.82	3	642.83	3	395.58	3	148.16	3	3	3		3	
3-1/4	1,626.98	3-1/4	1,379.55	3-1/4	1,132.10	3-1/4	884.67	3-1/4	637.69	3-1/4	390.43	3-1/4	143.00	3-1/4	3-1/4	3-1/4		3-1/4	
3-1/2	1,621.82	3-1/2	1,374.39	3-1/2	1,126.94	3-1/2	879.51	3-1/2	632.55	3-1/2	385.27	3-1/2	137.86	3-1/2	3-1/2	3-1/2		3-1/2	
4-1/4	1,616.67	4-1/4	1,369.24	4-1/4	1,121.79	4-1/4	874.36	4-1/4	627.42	4-1/4	380.12	4-1/4	132.71	4-1/4	4-1/4	4-1/4		4-1/4	
4	1,611.51	4	1,364.08	4	1,116.63	4	869.20	4	622.28	4	374.97	4	127.57	4	4	4		4	
4-1/4	1,606.36	4-1/4	1,358.93	4-1/4	1,111.48	4-1/4	864.05	4-1/4	617.14	4-1/4	369.81	4-1/4	122.43	4-1/4	4-1/4	4-1/4		4-1/4	
4-1/2	1,601.20	4-1/2	1,353.77	4-1/2	1,106.32	4-1/2	858.89	4-1/2	612.00	4-1/2	364.66	4-1/2	117.27	4-1/2	4-1/2	4-1/2		4-1/2	
5-1/4	1,596.05	5-1/4	1,348.62	5-1/4	1,101.17	5-1/4	853.74	5-1/4	606.86	5-1/4	359.50	5-1/4	112.12	5-1/4	5-1/4	5-1/4		5-1/4	
5	1,590.90	5	1,343.46	5	1,096.01	5	848.58	5	601.71	5	354.35	5	106.96	5	5	5		5	
5-1/4	1,585.74	5-1/4	1,338.31	5-1/4	1,090.86	5-1/4	843.43	5-1/4	596.57	5-1/4	349.19	5-1/4	101.81	5-1/4	5-1/4	5-1/4		5-1/4	
5-1/2	1,580.59	5-1/2	1,333.16	5-1/2	1,085.70	5-1/2	838.27	5-1/2	591.42	5-1/2	344.04	5-1/2	97.27	5-1/2	5-1/2	5-1/2		5-1/2	
6-1/4	1,575.43	6-1/4	1,328.00	6-1/4	1,080.55	6-1/4	833.12	6-1/4	586.26	6-1/4	338.88	6-1/4	92.73	6-1/4	6-1/4	6-1/4		6-1/4	
6	1,570.28	6	1,322.85	6	1,075.40	6	827.96	6	581.11	6	333.73	6	88.18	6	6	6		6	
6-1/4	1,565.12	6-1/4	1,317.69	6-1/4	1,070.24	6-1/4	822.81	6-1/4	575.95	6-1/4	328.57	6-1/4	83.64	6-1/4	6-1/4	6-1/4		6-1/4	
6-1/2	1,559.97	6-1/2	1,312.54	6-1/2	1,065.09	6-1/2	817.66	6-1/2	570.80	6-1/2	323.42	6-1/2	79.10	6-1/2	6-1/2	6-1/2		6-1/2	
7-1/4	1,554.81	7-1/4	1,307.38	7-1/4	1,059.93	7-1/4	812.50	7-1/4	565.64	7-1/4	318.26	7-1/4	74.55	7-1/4	7-1/4	7-1/4		7-1/4	
7	1,549.66	7	1,302.23	7	1,054.78	7	807.35	7	560.49	7	313.11	7	70.00	7	7	7		7	
7-1/4	1,544.50	7-1/4	1,297.07	7-1/4	1,049.62	7-1/4	802.19	7-1/4	555.33	7-1/4	307.95	7-1/4	65.45	7-1/4	7-1/4	7-1/4		7-1/4	
7-1/2	1,539.35	7-1/2	1,291.92	7-1/2	1,044.47	7-1/2	797.05	7-1/2	550.18	7-1/2	302.80	7-1/2	60.91	7-1/2	7-1/2	7-1/2		7-1/2	
8-1/4	1,534.19	8-1/4	1,286.76	8-1/4	1,039.31	8-1/4	791.90	8-1/4	545.02	8-1/4	297.64	8-1/4	56.37	8-1/4	8-1/4	8-1/4		8-1/4	
8	1,529.04	8	1,281.61	8	1,034.16	8	786.76	8	539.87	8	292.49	8	51.83	8	8	8		8	
8-1/4	1,523.88	8-1/4	1,276.45	8-1/4	1,029.00	8-1/4	781.62	8-1/4	534.71	8-1/4	287.33	8-1/4	47.29	8-1/4	8-1/4	8-1/4		8-1/4	
8-1/2	1,518.73	8-1/2	1,271.29	8-1/2	1,023.85	8-1/2	776.48	8-1/2	529.57	8-1/2	282.18	8-1/2	42.74	8-1/2	8-1/2	8-1/2		8-1/2	
9-1/4	1,513.57	9-1/4	1,266.13	9-1/4	1,018.69	9-1/4	771.33	9-1/4	524.42	9-1/4	277.04	9-1/4	38.20	9-1/4	9-1/4	9-1/4		9-1/4	
9	1,508.42	9	1,260.97	9	1,013.54	9	766.19	9	519.27	9	271.89	9	33.66	9	9	9		9	
9-1/4	1,503.26	9-1/4	1,255.81	9-1/4	1,008.38	9-1/4	761.05	9-1/4	514.12	9-1/4	266.74	9-1/4	29.12	9-1/4	9-1/4	9-1/4		9-1/4	
9-1/2	1,498.11	9-1/2	1,250.66	9-1/2	1,003.23	9-1/2	755.91	9-1/2	508.97	9-1/2	261.58	9-1/2	25.43	9-1/2	9-1/2	9-1/2		9-1/2	
10-1/4	1,492.95	10-1/4	1,245.50	10-1/4	998.07	10-1/4	750.77	10-1/4	503.81	10-1/4	256.43	10-1/4	21.75	10-1/4	10-1/4	10-1/4		10-1/4	
10	1,487.80	10	1,240.35	10	992.92	10	745.64	10	498.66	10	251.27	10	18.07	10	10	10		10	
10-1/4	1,482.64	10-1/4	1,235.19	10-1/4	987.76	10-1/4	740.50	10-1/4	493.50	10-1/4	246.12	10-1/4	14.38	10-1/4	10-1/4	10-1/4		10-1/4	
10-1/2	1,477.49	10-1/2	1,230.04	10-1/2	982.61	10-1/2	735.36	10-1/2	488.35	10-1/2	240.96	10-1/2	11.80	10-1/2	10-1/2	10-1/2		10-1/2	
11-1/4	1,472.33	11-1/4	1,224.88	11-1/4	977.45	11-1/4	730.21	11-1/4	483.19	11-1/4	235.81	11-1/4	9.23	11-1/4	11-1/4	11-1/4		11-1/4	
11	1,467.18	11	1,219.73	11	972.30	11	725.07	11	478.04	11	230.66	11	6.65	11	11	11		11	
11-1/4	1,462.03	11-1/4	1,214.57	11-1/4	967.14	11-1/4	719.93	11-1/4	472.88	11-1/4	225.50	11-1/4	4.07	11-1/4	11-1/4	11-1/4		11-1/4	
11-1/2	1,456.87	11-1/2	1,209.42	11-1/2	961.99	11-1/2	714.79	11-1/2	467.73	11-1/2	220.35	11-1/2	3.22	11-1/2	11-1/2	11-1/2		11-1/2	
12-1/4	1,451.72	12-1/4	1,204.27	12-1/4	956.83	12-1/4	709.65	12-1/4	462.57	12-1/4	215.19	12-1/4	2.37	12-1/4	12-1/4	12-1/4		12-1/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/21/1992 SI
DECK MEASUREMENTS: 08/17/2004 CL - SW
REPRINTED: 08/17/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2004

PRECISION MEASUREMENT
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Pearland, Texas 77588
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BARGE "KIRBY 10043"

2 CENTER ULLAGE TABLE

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

FORMERLY "HW 1068"

GAUGE HEIGHT 17'-00 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D
0	0	0	0	0	0	3,452.21	0	3,202.89	0	2,953.55	0	2,704.24	0	2,454.91	0	2,205.58	0	1,956.26	
1/4	1/4	1/4	1/4	1/4	1/4	3,447.02	1/4	3,197.69	1/4	2,948.36	1/4	2,699.05	1/4	2,449.71	1/4	2,200.38	1/4	1,951.07	
1/2	1/2	1/2	1/2	1/2	1/2	3,441.83	1/2	3,192.49	1/2	2,943.17	1/2	2,693.85	1/2	2,444.52	1/2	2,195.19	1/2	1,945.87	
3/4	3/4	3/4	3/4	3/4	3/4	3,436.63	3/4	3,187.30	3/4	2,937.98	3/4	2,688.65	3/4	2,439.32	3/4	2,190.00	3/4	1,940.68	
1	1	1	1	1	1	3,431.43	1	3,182.10	1	2,932.79	1	2,683.46	1	2,434.13	1	2,184.81	1	1,935.48	
1/4	1/4	1/4	1/4	1/4	1/4	3,426.24	1/4	3,176.90	1/4	2,927.60	1/4	2,678.26	1/4	2,428.93	1/4	2,179.62	1/4	1,930.29	
1/2	1/2	1/2	1/2	1/2	1/2	3,421.04	1/2	3,171.71	1/2	2,922.41	1/2	2,673.07	1/2	2,423.74	1/2	2,174.42	1/2	1,925.09	
3/4	3/4	3/4	3/4	3/4	3/4	3,415.85	3/4	3,166.52	3/4	2,917.23	3/4	2,668.77	3/4	2,418.55	3/4	2,169.23	3/4	1,919.89	
2	2	2	2	2	2	3,410.65	2	3,161.33	2	2,912.04	2	2,662.67	2	2,413.36	2	2,164.03	2	1,914.70	
1/4	1/4	1/4	1/4	1/4	1/4	3,405.45	1/4	3,156.14	1/4	2,906.86	1/4	2,657.48	1/4	2,408.17	1/4	2,158.83	1/4	1,909.50	
1/2	1/2	1/2	1/2	1/2	1/2	3,400.26	1/2	3,150.95	1/2	2,901.65	1/2	2,652.29	1/2	2,402.97	1/2	2,153.64	1/2	1,904.31	
3/4	3/4	3/4	3/4	3/4	3/4	3,395.07	3/4	3,145.75	3/4	2,896.44	3/4	2,647.10	3/4	2,397.77	3/4	2,148.44	3/4	1,899.12	
3	3	3	3	3	3	3,389.88	3	3,140.55	3	2,891.23	3	2,641.91	3	2,392.58	3	2,143.24	3	1,893.93	
1/4	1/4	1/4	1/4	1/4	1/4	3,384.69	1/4	3,135.36	1/4	2,886.02	1/4	2,636.71	1/4	2,387.38	1/4	2,138.05	1/4	1,888.74	
1/2	1/2	1/2	1/2	1/2	1/2	3,379.49	1/2	3,130.16	1/2	2,880.83	1/2	2,631.52	1/2	2,382.18	1/2	2,132.86	1/2	1,883.54	
3/4	3/4	3/4	3/4	3/4	3/4	3,374.30	3/4	3,124.96	3/4	2,875.64	3/4	2,626.32	3/4	2,376.99	3/4	2,127.67	3/4	1,878.35	
4	4	4	4	4	4	3,369.10	4	3,119.77	4	2,870.45	4	2,621.13	4	2,371.79	4	2,122.48	4	1,873.15	
1/4	1/4	1/4	1/4	1/4	1/4	3,363.90	1/4	3,114.57	1/4	2,865.26	1/4	2,615.93	1/4	2,366.60	1/4	2,117.29	1/4	1,867.95	
1/2	1/2	1/2	1/2	1/2	1/2	3,358.71	1/2	3,109.38	1/2	2,860.07	1/2	2,610.73	1/2	2,361.40	1/2	2,112.09	1/2	1,862.76	
3/4	3/4	3/4	3/4	3/4	3/4	3,353.51	3/4	3,104.19	3/4	2,854.87	3/4	2,605.54	3/4	2,356.21	3/4	2,106.89	3/4	1,857.56	
5	5	5	5	5	5	3,348.32	5	3,099.00	5	2,849.67	5	2,600.34	5	2,351.02	5	2,101.70	5	1,852.36	
1/4	1/4	1/4	1/4	1/4	1/4	3,343.12	1/4	3,093.81	1/4	2,844.48	1/4	2,595.14	1/4	2,345.83	1/4	2,096.50	1/4	1,847.17	
1/2	1/2	1/2	1/2	1/2	1/2	3,337.93	1/2	3,088.61	1/2	2,839.28	1/2	2,589.95	1/2	2,340.64	1/2	2,091.30	1/2	1,841.98	
3/4	3/4	3/4	3/4	3/4	3/4	3,332.74	3/4	3,083.42	3/4	2,834.08	3/4	2,584.76	3/4	2,335.44	3/4	2,086.11	3/4	1,836.79	
6	6	6	6	6	6	3,327.55	6	3,078.22	6	2,828.89	6	2,579.57	6	2,330.24	6	2,080.91	6	1,831.60	
1/4	1/4	1/4	1/4	1/4	1/4	3,322.36	1/4	3,073.02	1/4	2,823.69	1/4	2,574.38	1/4	2,325.05	1/4	2,075.71	1/4	1,826.40	
1/2	1/2	1/2	1/2	1/2	1/2	3,317.17	1/2	3,067.83	1/2	2,818.50	1/2	2,569.18	1/2	2,319.85	1/2	2,070.52	1/2	1,821.21	
3/4	3/4	3/4	3/4	3/4	3/4	3,311.99	3/4	3,062.64	3/4	2,813.31	3/4	2,563.99	3/4	2,314.65	3/4	2,065.33	3/4	1,816.01	
7	7	7	7	7	7	3,306.80	7	3,057.45	7	2,808.12	7	2,558.79	7	2,309.46	7	2,060.14	7	1,810.82	
1/4	1/4	1/4	1/4	1/4	1/4	3,301.62	1/4	3,052.26	1/4	2,802.93	1/4	2,553.60	1/4	2,304.26	1/4	2,054.95	1/4	1,805.62	
1/2	1/2	1/2	1/2	1/2	1/2	3,296.43	1/2	3,047.07	1/2	2,797.73	1/2	2,548.40	1/2	2,299.07	1/2	2,049.76	1/2	1,800.42	
3/4	3/4	3/4	3/4	3/4	3/4	3,291.24	3/4	3,041.87	3/4	2,792.54	3/4	2,543.21	3/4	2,293.88	3/4	2,044.56	3/4	1,795.23	
8	8	8	8	8	8	3,286.05	8	3,036.67	8	2,787.34	8	2,538.02	8	2,288.69	8	2,039.36	8	1,790.03	
1/4	1/4	1/4	1/4	1/4	1/4	3,280.86	1/4	3,031.48	1/4	2,782.14	1/4	2,532.83	1/4	2,283.50	1/4	2,034.17	1/4	1,784.83	
1/2	1/2	1/2	1/2	1/2	1/2	3,275.67	1/2	3,026.28	1/2	2,776.95	1/2	2,527.64	1/2	2,278.30	1/2	2,028.98	1/2	1,779.64	
3/4	3/4	3/4	3/4	3/4	3/4	3,270.48	3/4	3,021.08	3/4	2,771.76	3/4	2,522.44	3/4	2,273.11	3/4	2,023.79	3/4	1,774.45	
9	9	9	9	9	9	3,265.29	9	3,015.89	9	2,766.57	9	2,517.24	9	2,267.91	9	2,018.60	9	1,769.26	
1/4	1/4	1/4	1/4	1/4	1/4	3,260.10	1/4	3,010.69	1/4	2,761.38	1/4	2,512.05	1/4	2,262.71	1/4	2,013.40	1/4	1,764.07	
1/2	1/2	1/2	1/2	1/2	1/2	3,254.91	1/2	3,005.50	1/2	2,756.18	1/2	2,506.85	1/2	2,257.52	1/2	2,008.21	1/2	1,758.88	
3/4	3/4	3/4	3/4	3/4	3/4	3,249.72	3/4	3,000.31	3/4	2,750.99	3/4	2,501.65	3/4	2,252.33	3/4	2,003.01	3/4	1,753.68	
10	10	10	10	10	10	3,244.53	10	2,995.12	10	2,745.79	10	2,496.46	10	2,247.14	10	1,997.82	10	1,748.48	
1/4	1/4	1/4	1/4	1/4	1/4	3,239.34	1/4	2,989.93	1/4	2,740.60	1/4	2,491.26	1/4	2,241.95	1/4	1,992.62	1/4	1,743.29	
1/2	1/2	1/2	1/2	1/2	1/2	3,234.15	1/2	2,984.73	1/2	2,735.40	1/2	2,486.07	1/2	2,236.76	1/2	1,987.42	1/2	1,738.10	
3/4	3/4	3/4	3/4	3/4	3/4	3,228.96	3/4	2,979.54	3/4	2,730.20	3/4	2,480.88	3/4	2,231.56	3/4	1,982.23	3/4	1,732.90	
11	11	11	11	11	11	3,223.77	11	2,974.34	11	2,725.01	11	2,475.69	11	2,226.36	11	1,977.03	11	1,727.71	
1/4	1/4	1/4	1/4	1/4	1/4	3,218.58	1/4	2,969.14	1/4	2,719.81	1/4	2,470.50	1/4	2,221.17	1/4	1,971.83	1/4	1,722.52	
1/2	1/2	1/2	1/2	1/2	1/2	3,213.39	1/2	2,963.95	1/2	2,714.62	1/2	2,465.30	1/2	2,215.97	1/2	1,966.64	1/2	1,717.33	
3/4	3/4	3/4	3/4	3/4	3/4	3,208.20	3/4	2,958.75	3/4	2,709.43	3/4	2,460.11	3/4	2,210.77	3/4	1,961.45	3/4	1,712.13	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 28'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77568
<http://www.pmacorp.net>



BARGE "KIRBY 10043"

2 CENTER ULLAGE TABLE

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

FORMERLY "HW 1068"

GAUGE HEIGHT 17'-00 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H
0	1,706.93	0	1,457.60	0	1,208.29	0	958.96	0	709.92	0	460.93	0	211.67	0	1.53	0		0	
1/4	1,701.74	1/4	1,452.40	1/4	1,203.10	1/4	953.78	1/4	704.74	1/4	455.74	1/4	206.48	1/4	0.67	1/4		1/4	
1/2	1,696.54	1/2	1,447.21	1/2	1,197.90	1/2	948.57	1/2	699.55	1/2	450.54	1/2	201.28	1/2		1/2		1/2	
3/4	1,691.35	3/4	1,442.02	3/4	1,192.70	3/4	943.37	3/4	694.37	3/4	445.35	3/4	196.08	3/4		3/4		3/4	
1	1,686.15	1	1,436.83	1	1,187.51	1	938.17	1	689.18	1	440.15	1	190.89	1		1		1	
1/4	1,680.95	1/4	1,431.64	1/4	1,182.31	1/4	932.98	1/4	684.00	1/4	434.95	1/4	185.69	1/4		1/4		1/4	
1/2	1,675.76	1/2	1,426.45	1/2	1,177.11	1/2	927.79	1/2	678.82	1/2	429.76	1/2	180.50	1/2		1/2		1/2	
3/4	1,670.57	3/4	1,421.25	3/4	1,171.92	3/4	922.60	3/4	673.64	3/4	424.57	3/4	175.31	3/4		3/4		3/4	
2	1,665.38	2	1,416.05	2	1,166.72	2	917.40	2	668.46	2	419.38	2	170.12	2		2		2	
1/4	1,660.19	1/4	1,410.86	1/4	1,161.52	1/4	912.21	1/4	663.29	1/4	414.19	1/4	164.93	1/4		1/4		1/4	
1/2	1,654.99	1/2	1,405.66	1/2	1,156.33	1/2	907.02	1/2	658.11	1/2	408.99	1/2	159.73	1/2		1/2		1/2	
3/4	1,649.80	3/4	1,400.46	3/4	1,151.14	3/4	901.82	3/4	652.93	3/4	403.80	3/4	154.54	3/4		3/4		3/4	
3	1,644.60	3	1,395.27	3	1,145.95	3	896.62	3	647.75	3	398.60	3	149.34	3		3		3	
1/4	1,639.40	1/4	1,390.07	1/4	1,140.76	1/4	891.43	1/4	642.57	1/4	393.41	1/4	144.14	1/4		1/4		1/4	
1/2	1,634.21	1/2	1,384.88	1/2	1,135.57	1/2	886.23	1/2	637.39	1/2	388.21	1/2	138.95	1/2		1/2		1/2	
3/4	1,629.01	3/4	1,379.69	3/4	1,130.37	3/4	881.04	3/4	632.21	3/4	383.02	3/4	133.76	3/4		3/4		3/4	
4	1,623.82	4	1,374.50	4	1,125.17	4	875.84	4	627.04	4	377.83	4	128.57	4		4		4	
1/4	1,618.62	1/4	1,369.31	1/4	1,119.98	1/4	870.64	1/4	621.86	1/4	372.64	1/4	123.38	1/4		1/4		1/4	
1/2	1,613.43	1/2	1,364.11	1/2	1,114.78	1/2	865.45	1/2	616.68	1/2	367.45	1/2	118.18	1/2		1/2		1/2	
3/4	1,608.24	3/4	1,358.92	3/4	1,109.58	3/4	860.26	3/4	611.50	3/4	362.26	3/4	112.99	3/4		3/4		3/4	
5	1,603.05	5	1,353.72	5	1,104.39	5	855.07	5	606.32	5	357.07	5	107.79	5		5		5	
1/4	1,597.86	1/4	1,348.52	1/4	1,099.19	1/4	849.88	1/4	601.14	1/4	351.88	1/4	102.60	1/4		1/4		1/4	
1/2	1,592.66	1/2	1,343.33	1/2	1,094.00	1/2	844.68	1/2	595.95	1/2	346.68	1/2	98.02	1/2		1/2		1/2	
3/4	1,587.46	3/4	1,338.13	3/4	1,088.81	3/4	839.49	3/4	590.75	3/4	341.49	3/4	93.44	3/4		3/4		3/4	
6	1,582.27	6	1,332.93	6	1,083.62	6	834.29	6	585.55	6	336.29	6	88.86	6		6		6	
1/4	1,577.07	1/4	1,327.74	1/4	1,078.43	1/4	829.10	1/4	580.36	1/4	331.10	1/4	84.29	1/4		1/4		1/4	
1/2	1,571.88	1/2	1,322.55	1/2	1,073.23	1/2	823.90	1/2	575.17	1/2	325.90	1/2	79.71	1/2		1/2		1/2	
3/4	1,566.68	3/4	1,317.36	3/4	1,068.04	3/4	818.70	3/4	569.98	3/4	320.71	3/4	75.13	3/4		3/4		3/4	
7	1,561.48	7	1,312.17	7	1,062.84	7	813.51	7	564.79	7	315.52	7	70.55	7		7		7	
1/4	1,556.29	1/4	1,306.98	1/4	1,057.64	1/4	808.31	1/4	559.60	1/4	310.33	1/4	65.98	1/4		1/4		1/4	
1/2	1,551.10	1/2	1,301.78	1/2	1,052.45	1/2	803.13	1/2	554.41	1/2	305.14	1/2	61.40	1/2		1/2		1/2	
3/4	1,545.90	3/4	1,296.58	3/4	1,047.25	3/4	797.95	3/4	549.21	3/4	299.94	3/4	56.82	3/4		3/4		3/4	
8	1,540.71	8	1,291.39	8	1,042.05	8	792.77	8	544.02	8	294.74	8	52.24	8		8		8	
1/4	1,535.52	1/4	1,286.19	1/4	1,036.86	1/4	787.60	1/4	538.83	1/4	289.55	1/4	47.67	1/4		1/4		1/4	
1/2	1,530.33	1/2	1,280.99	1/2	1,031.67	1/2	782.42	1/2	533.64	1/2	284.36	1/2	43.08	1/2		1/2		1/2	
3/4	1,525.13	3/4	1,275.80	3/4	1,026.48	3/4	777.24	3/4	528.44	3/4	279.17	3/4	38.50	3/4		3/4		3/4	
9	1,519.93	9	1,270.60	9	1,021.29	9	772.06	9	523.24	9	273.98	9	33.92	9		9		9	
1/4	1,514.74	1/4	1,265.40	1/4	1,016.10	1/4	766.88	1/4	518.05	1/4	268.79	1/4	29.33	1/4		1/4		1/4	
1/2	1,509.55	1/2	1,260.21	1/2	1,010.90	1/2	761.70	1/2	512.86	1/2	263.59	1/2	25.63	1/2		1/2		1/2	
3/4	1,504.36	3/4	1,255.02	3/4	1,005.70	3/4	756.52	3/4	507.67	3/4	258.39	3/4	21.92	3/4		3/4		3/4	
10	1,499.17	10	1,249.83	10	1,000.51	10	751.35	10	502.48	10	253.20	10	18.21	10		10		10	
1/4	1,493.98	1/4	1,244.64	1/4	995.31	1/4	746.17	1/4	497.29	1/4	248.00	1/4	14.50	1/4		1/4		1/4	
1/2	1,488.78	1/2	1,239.45	1/2	990.12	1/2	740.99	1/2	492.09	1/2	242.81	1/2	11.90	1/2		1/2		1/2	
3/4	1,483.58	3/4	1,234.25	3/4	984.93	3/4	735.81	3/4	486.89	3/4	237.62	3/4	9.31	3/4		3/4		3/4	
11	1,478.39	11	1,229.05	11	979.74	11	730.63	11	481.70	11	232.43	11	6.71	11		11		11	
1/4	1,473.19	1/4	1,223.86	1/4	974.55	1/4	725.45	1/4	476.50	1/4	227.24	1/4	4.12	1/4		1/4		1/4	
1/2	1,467.99	1/2	1,218.67	1/2	969.35	1/2	720.27	1/2	471.31	1/2	222.05	1/2	3.26	1/2		1/2		1/2	
3/4	1,462.80	3/4	1,213.48	3/4	964.15	3/4	715.10	3/4	466.12	3/4	216.86	3/4	2.39	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 03/21/1992 SI
DECK MEASUREMENTS: 08/17/2004 CL - SW
REPRINTED: 08/17/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2004

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



BARGE "KIRBY 10043"

3 CENTER ULLAGE TABLE

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

FORMERLY "HW 1068"

GAUGE HEIGHT 16'-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
0	0	0	0	0	0	3,438.41	0	3,189.36	0	2,940.32	0	2,691.27	0	2,442.24	0	2,193.19	0	1,944.15		
1/4	1/4					3,433.21	1/4	3,184.17	1/4	2,935.13	1/4	2,686.08	1/4	2,437.05	1/4	2,188.00	1/4	1,938.96		
1/2	1/2					3,428.02	1/2	3,178.98	1/2	2,929.95	1/2	2,680.90	1/2	2,431.86	1/2	2,182.81	1/2	1,933.78		
3/4	3/4					3,422.83	3/4	3,173.79	3/4	2,924.76	3/4	2,675.71	3/4	2,426.67	3/4	2,177.62	3/4	1,928.60		
1	1					3,417.64	1	3,168.60	1	2,919.57	1	2,670.52	1	2,421.48	1	2,172.43	1	1,923.40		
1 1/4	1 1/4					3,412.45	1 1/4	3,163.42	1 1/4	2,914.38	1 1/4	2,665.33	1 1/4	2,416.30	1 1/4	2,167.25	1 1/4	1,918.21		
1 1/2	1 1/2					3,407.26	1 1/2	3,158.23	1 1/2	2,909.19	1 1/2	2,660.14	1 1/2	2,411.11	1 1/2	2,162.07	1 1/2	1,913.02		
1 3/4	1 3/4					3,402.07	1 3/4	3,153.05	1 3/4	2,904.00	1 3/4	2,654.95	1 3/4	2,405.93	1 3/4	2,156.88	1 3/4	1,907.83		
2	2					3,396.89	2	3,147.86	2	2,898.81	2	2,649.77	2	2,400.74	2	2,151.69	2	1,902.65		
2 1/4	2 1/4					3,391.70	2 1/4	3,142.67	2 1/4	2,893.62	2 1/4	2,644.58	2 1/4	2,395.55	2 1/4	2,146.50	2 1/4	1,897.46		
2 1/2	2 1/2					3,386.52	2 1/2	3,137.48	2 1/2	2,888.43	2 1/2	2,639.40	2 1/2	2,390.36	2 1/2	2,141.31	2 1/2	1,892.28		
2 3/4	2 3/4					3,381.33	2 3/4	3,132.29	2 3/4	2,883.24	2 3/4	2,634.21	2 3/4	2,385.17	2 3/4	2,136.12	2 3/4	1,887.10		
3	3					3,376.14	3	3,127.10	3	2,878.05	3	2,629.02	3	2,379.98	3	2,130.93	3	1,881.90		
3 1/4	3 1/4					3,370.95	3 1/4	3,121.90	3 1/4	2,872.87	3 1/4	2,623.83	3 1/4	2,374.79	3 1/4	2,125.75	3 1/4	1,876.71		
3 1/2	3 1/2					3,365.76	3 1/2	3,116.71	3 1/2	2,867.68	3 1/2	2,618.64	3 1/2	2,369.60	3 1/2	2,120.57	3 1/2	1,871.52		
3 3/4	3 3/4				3,566.31	3,360.57	3 3/4	3,111.52	3 3/4	2,862.50	3 3/4	2,613.45	3 3/4	2,364.40	3 3/4	2,115.38	3 3/4	1,866.33		
4	4				3,565.02	4	3,355.36	4	3,106.34	4	2,857.31	4	2,608.26	4	2,359.22	4	2,110.19	4	1,861.14	
4 1/4	4 1/4				3,563.73	4 1/4	3,350.19	4 1/4	3,101.15	4 1/4	2,852.12	4 1/4	2,603.07	4 1/4	2,354.04	4 1/4	2,105.00	4 1/4	1,855.95	
4 1/2	4 1/2				3,562.43	4 1/2	3,345.00	4 1/2	3,095.97	4 1/2	2,846.93	4 1/2	2,597.88	4 1/2	2,348.85	4 1/2	2,099.81	4 1/2	1,850.76	
4 3/4	4 3/4				3,561.14	4 3/4	3,339.81	4 3/4	3,090.79	4 3/4	2,841.74	4 3/4	2,592.69	4 3/4	2,343.67	4 3/4	2,094.62	4 3/4	1,845.57	
5	5				3,559.88	5	3,334.63	5	3,085.60	5	2,836.55	5	2,587.51	5	2,338.48	5	2,089.43	5	1,840.39	
5 1/4	5 1/4				3,558.62	5 1/4	3,329.44	5 1/4	3,080.40	5 1/4	2,831.36	5 1/4	2,582.32	5 1/4	2,333.29	5 1/4	2,084.24	5 1/4	1,835.20	
5 1/2	5 1/2				3,557.36	5 1/2	3,324.26	5 1/2	3,075.21	5 1/2	2,826.17	5 1/2	2,577.14	5 1/2	2,328.10	5 1/2	2,079.05	5 1/2	1,830.02	
5 3/4	5 3/4				3,556.10	5 3/4	3,319.07	5 3/4	3,070.02	5 3/4	2,820.98	5 3/4	2,571.95	5 3/4	2,322.90	5 3/4	2,073.86	5 3/4	1,824.83	
6	6				3,554.84	6	3,313.88	6	3,064.83	6	2,815.79	6	2,566.76	6	2,317.71	6	2,068.67	6	1,819.64	
6 1/4	6 1/4				3,553.58	6 1/4	3,308.69	6 1/4	3,059.64	6 1/4	2,810.61	6 1/4	2,561.57	6 1/4	2,312.52	6 1/4	2,063.49	6 1/4	1,814.45	
6 1/2	6 1/2				3,552.32	6 1/2	3,303.50	6 1/2	3,054.45	6 1/2	2,805.42	6 1/2	2,556.38	6 1/2	2,307.33	6 1/2	2,058.30	6 1/2	1,809.26	
6 3/4	6 3/4				3,551.06	6 3/4	3,298.31	6 3/4	3,049.26	6 3/4	2,800.24	6 3/4	2,551.19	6 3/4	2,302.14	6 3/4	2,053.12	6 3/4	1,804.07	
7	7				3,549.80	7	3,293.12	7	3,044.08	7	2,795.05	7	2,546.00	7	2,296.96	7	2,047.93	7	1,798.88	
7 1/4	7 1/4				3,548.54	7 1/4	3,287.93	7 1/4	3,038.89	7 1/4	2,789.86	7 1/4	2,540.81	7 1/4	2,291.77	7 1/4	2,042.74	7 1/4	1,793.69	
7 1/2	7 1/2				3,547.28	7 1/2	3,282.74	7 1/2	3,033.71	7 1/2	2,784.67	7 1/2	2,535.62	7 1/2	2,286.59	7 1/2	2,037.55	7 1/2	1,788.50	
7 3/4	7 3/4				3,546.02	7 3/4	3,277.55	7 3/4	3,028.52	7 3/4	2,779.48	7 3/4	2,530.43	7 3/4	2,281.41	7 3/4	2,032.36	7 3/4	1,783.31	
8	8				3,544.76	8	3,272.36	8	3,023.33	8	2,774.29	8	2,525.24	8	2,276.21	8	2,027.17	8	1,778.12	
8 1/4	8 1/4				3,543.50	8 1/4	3,267.18	8 1/4	3,018.14	8 1/4	2,769.10	8 1/4	2,520.06	8 1/4	2,271.02	8 1/4	2,021.98	8 1/4	1,772.94	
8 1/2	8 1/2				3,542.24	8 1/2	3,261.99	8 1/2	3,012.95	8 1/2	2,763.90	8 1/2	2,514.87	8 1/2	2,265.83	8 1/2	2,016.79	8 1/2	1,767.76	
8 3/4	8 3/4				3,540.98	8 3/4	3,256.81	8 3/4	3,007.76	8 3/4	2,758.71	8 3/4	2,509.69	8 3/4	2,260.64	8 3/4	2,011.60	8 3/4	1,762.57	
9	9				3,539.72	9	3,251.62	9	3,002.57	9	2,753.53	9	2,504.50	9	2,255.45	9	2,006.41	9	1,757.39	
9 1/4	9 1/4				3,538.46	9 1/4	3,246.43	9 1/4	2,997.38	9 1/4	2,748.35	9 1/4	2,499.31	9 1/4	2,250.26	9 1/4	2,001.23	9 1/4	1,752.21	
9 1/2	9 1/2				3,537.20	9 1/2	3,241.24	9 1/2	2,992.19	9 1/2	2,743.16	9 1/2	2,494.12	9 1/2	2,245.07	9 1/2	1,996.04	9 1/2	1,747.04	
9 3/4	9 3/4				3,535.94	9 3/4	3,236.05	9 3/4	2,987.00	9 3/4	2,737.98	9 3/4	2,488.93	9 3/4	2,239.88	9 3/4	1,990.86	9 3/4	1,741.86	
10	10				3,534.68	10	3,230.86	10	2,981.82	10	2,732.79	10	2,483.68	10	2,234.70	10	1,985.67	10	1,736.65	
10 1/4	10 1/4				3,533.42	10 1/4	3,225.67	10 1/4	2,976.63	10 1/4	2,727.60	10 1/4	2,478.43	10 1/4	2,229.51	10 1/4	1,980.48	10 1/4	1,731.45	
10 1/2	10 1/2				3,532.16	10 1/2	3,220.48	10 1/2	2,971.45	10 1/2	2,722.40	10 1/2	2,473.18	10 1/2	2,224.33	10 1/2	1,975.29	10 1/2	1,726.25	
10 3/4	10 3/4				3,530.90	10 3/4	3,215.29	10 3/4	2,966.26	10 3/4	2,717.21	10 3/4	2,467.93	10 3/4	2,219.14	10 3/4	1,970.10	10 3/4	1,721.05	
11	11				3,529.64	11	3,210.10	11	2,961.07	11	2,712.02	11	2,462.80	11	2,213.95	11	1,964.90	11	1,715.86	
11 1/4	11 1/4				3,528.38	11 1/4	3,204.92	11 1/4	2,955.88	11 1/4	2,706.83	11 1/4	2,457.68	11 1/4	2,208.76	11 1/4	1,959.71	11 1/4	1,710.68	
11 1/2	11 1/2				3,527.12	11 1/2	3,199.73	11 1/2	2,950.69	11 1/2	2,701.64	11 1/2	2,452.55	11 1/2	2,203.57	11 1/2	1,954.52	11 1/2	1,705.49	
11 3/4	11 3/4				3,525.86	11 3/4	3,194.55	11 3/4	2,945.50	11 3/4	2,696.45	11 3/4	2,447.43	11 3/4	2,198.38	11 3/4	1,949.33	11 3/4	1,700.31	

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT. (HERMETIC) LOCATED ON CENTERLINE AND 28'-03" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

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



BARGE "KIRBY 10043"

3 CENTER ULLAGE TABLE

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

FORMERLY "HW 1068"

GAUGE HEIGHT 16'-11 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	1,695.12	0	1,446.07	0	1,197.03	0	948.00	0	699.01	0	450.05	0	201.07	0		0		0	
1/4	1,689.93	1/4	1,440.88	1/4	1,191.85	1/4	942.81	1/4	693.82	1/4	444.87	1/4	195.88	1/4		1/4		1/4	
1/2	1,684.74	1/2	1,435.69	1/2	1,186.66	1/2	937.62	1/2	688.64	1/2	439.68	1/2	190.69	1/2		1/2		1/2	
3/4	1,679.55	3/4	1,430.50	3/4	1,181.48	3/4	932.43	3/4	683.45	3/4	434.50	3/4	185.50	3/4		3/4		3/4	
1	1,674.36	1	1,425.32	1	1,176.29	1	927.24	1	678.26	1	429.31	1	180.32	1		1		1	
1 1/4	1,669.17	1 1/4	1,420.13	1 1/4	1,171.10	1 1/4	922.05	1 1/4	673.07	1 1/4	424.12	1 1/4	175.13	1 1/4		1 1/4		1 1/4	
1 1/2	1,663.98	1 1/2	1,414.95	1 1/2	1,165.90	1 1/2	916.86	1 1/2	667.88	1 1/2	418.93	1 1/2	169.95	1 1/2		1 1/2		1 1/2	
3/2	1,658.79	3/2	1,409.76	3/2	1,160.71	3/2	911.67	3/2	662.69	3/2	413.74	3/2	164.76	3/2		3/2		3/2	
2	1,653.60	2	1,404.57	2	1,155.52	2	906.48	2	657.51	2	408.55	2	159.57	2		2		2	
2 1/4	1,648.42	2 1/4	1,399.38	2 1/4	1,150.33	2 1/4	901.30	2 1/4	652.32	2 1/4	403.37	2 1/4	154.38	2 1/4		2 1/4		2 1/4	
2 1/2	1,643.23	2 1/2	1,394.19	2 1/2	1,145.14	2 1/2	896.11	2 1/2	647.14	2 1/2	398.18	2 1/2	149.19	2 1/2		2 1/2		2 1/2	
3 1/4	1,638.05	3 1/4	1,389.00	3 1/4	1,139.95	3 1/4	890.93	3 1/4	641.95	3 1/4	393.00	3 1/4	144.00	3 1/4		3 1/4		3 1/4	
3	1,632.86	3	1,383.82	3	1,134.77	3	885.74	3	636.77	3	387.81	3	138.82	3		3		3	
3 1/4	1,627.67	3 1/4	1,378.63	3 1/4	1,129.58	3 1/4	880.55	3 1/4	631.58	3 1/4	382.62	3 1/4	133.63	3 1/4		3 1/4		3 1/4	
3 1/2	1,622.48	3 1/2	1,373.45	3 1/2	1,124.40	3 1/2	875.36	3 1/2	626.40	3 1/2	377.43	3 1/2	128.45	3 1/2		3 1/2		3 1/2	
4	1,617.29	4	1,368.26	4	1,119.21	4	870.17	4	621.21	4	372.24	4	123.26	4		4		4	
4 1/4	1,612.10	4 1/4	1,363.07	4 1/4	1,114.02	4 1/4	864.98	4 1/4	616.04	4 1/4	367.05	4 1/4	118.07	4 1/4		4 1/4		4 1/4	
4 1/2	1,606.92	4 1/2	1,357.88	4 1/2	1,108.83	4 1/2	859.80	4 1/2	610.86	4 1/2	361.87	4 1/2	112.88	4 1/2		4 1/2		4 1/2	
5 1/4	1,601.73	5 1/4	1,352.69	5 1/4	1,103.64	5 1/4	854.61	5 1/4	605.68	5 1/4	356.68	5 1/4	107.69	5 1/4		5 1/4		5 1/4	
5	1,596.55	5	1,347.50	5	1,098.45	5	849.43	5	600.50	5	351.50	5	102.50	5		5		5	
5 1/4	1,591.36	5 1/4	1,342.31	5 1/4	1,093.27	5 1/4	844.24	5 1/4	595.31	5 1/4	346.32	5 1/4	97.33	5 1/4		5 1/4		5 1/4	
5 1/2	1,586.17	5 1/2	1,337.12	5 1/2	1,088.08	5 1/2	839.05	5 1/2	590.12	5 1/2	341.13	5 1/2	93.36	5 1/2		5 1/2		5 1/2	
6 1/4	1,580.98	6 1/4	1,331.93	6 1/4	1,082.90	6 1/4	833.86	6 1/4	584.93	6 1/4	335.95	6 1/4	88.79	6 1/4		6 1/4		6 1/4	
6	1,575.79	6	1,326.74	6	1,077.71	6	828.67	6	579.74	6	330.76	6	84.21	6		6		6	
6 1/4	1,570.60	6 1/4	1,321.55	6 1/4	1,072.52	6 1/4	823.48	6 1/4	574.55	6 1/4	325.57	6 1/4	79.62	6 1/4		6 1/4		6 1/4	
6 1/2	1,565.40	6 1/2	1,316.37	6 1/2	1,067.33	6 1/2	818.29	6 1/2	569.37	6 1/2	320.38	6 1/2	75.04	6 1/2		6 1/2		6 1/2	
7 1/4	1,560.21	7 1/4	1,311.18	7 1/4	1,062.14	7 1/4	813.10	7 1/4	564.18	7 1/4	315.19	7 1/4	70.45	7 1/4		7 1/4		7 1/4	
7	1,555.02	7	1,306.00	7	1,056.95	7	807.90	7	559.00	7	310.00	7	65.86	7		7		7	
7 1/4	1,549.84	7 1/4	1,300.81	7 1/4	1,051.76	7 1/4	802.72	7 1/4	553.82	7 1/4	304.82	7 1/4	61.30	7 1/4		7 1/4		7 1/4	
7 1/2	1,544.65	7 1/2	1,295.62	7 1/2	1,046.57	7 1/2	797.54	7 1/2	548.64	7 1/2	299.63	7 1/2	56.74	7 1/2		7 1/2		7 1/2	
8 1/4	1,539.47	8 1/4	1,290.43	8 1/4	1,041.38	8 1/4	792.35	8 1/4	543.46	8 1/4	294.45	8 1/4	52.18	8 1/4		8 1/4		8 1/4	
8	1,534.29	8	1,285.24	8	1,036.19	8	787.17	8	538.29	8	289.26	8	47.62	8		8		8	
8 1/4	1,529.10	8 1/4	1,280.05	8 1/4	1,031.01	8 1/4	781.98	8 1/4	533.09	8 1/4	284.07	8 1/4	43.04	8 1/4		8 1/4		8 1/4	
8 1/2	1,523.90	8 1/2	1,274.86	8 1/2	1,025.82	8 1/2	776.80	8 1/2	527.89	8 1/2	278.88	8 1/2	38.46	8 1/2		8 1/2		8 1/2	
9 1/4	1,518.71	9 1/4	1,269.67	9 1/4	1,020.64	9 1/4	771.61	9 1/4	522.70	9 1/4	273.69	9 1/4	33.89	9 1/4		9 1/4		9 1/4	
9	1,513.52	9	1,264.48	9	1,015.45	9	766.43	9	517.50	9	268.50	9	29.31	9		9		9	
9 1/4	1,508.33	9 1/4	1,259.29	9 1/4	1,010.26	9 1/4	761.24	9 1/4	512.31	9 1/4	263.32	9 1/4	25.60	9 1/4		9 1/4		9 1/4	
9 1/2	1,503.14	9 1/2	1,254.11	9 1/2	1,005.07	9 1/2	756.05	9 1/2	507.12	9 1/2	258.13	9 1/2	21.89	9 1/2		9 1/2		9 1/2	
10 1/4	1,497.95	10 1/4	1,248.92	10 1/4	999.88	10 1/4	750.86	10 1/4	501.93	10 1/4	252.95	10 1/4	18.18	10 1/4		10 1/4		10 1/4	
10	1,492.76	10	1,243.74	10	994.69	10	745.67	10	496.74	10	247.76	10	14.48	10		10		10	
10 1/4	1,487.58	10 1/4	1,238.55	10 1/4	989.50	10 1/4	740.48	10 1/4	491.55	10 1/4	242.57	10 1/4	11.88	10 1/4		10 1/4		10 1/4	
10 1/2	1,482.39	10 1/2	1,233.36	10 1/2	984.31	10 1/2	735.30	10 1/2	486.37	10 1/2	237.38	10 1/2	9.29	10 1/2		10 1/2		10 1/2	
11 1/4	1,477.21	11 1/4	1,228.17	11 1/4	979.12	11 1/4	730.11	11 1/4	481.18	11 1/4	232.19	11 1/4	6.69	11 1/4		11 1/4		11 1/4	
11	1,472.02	11	1,222.98	11	973.93	11	724.93	11	476.00	11	227.00	11	4.10	11		11		11	
11 1/4	1,466.83	11 1/4	1,217.79	11 1/4	968.74	11 1/4	719.74	11 1/4	470.81	11 1/4	221.82	11 1/4	3.24	11 1/4		11 1/4		11 1/4	
11 1/2	1,461.64	11 1/2	1,212.60	11 1/2	963.56	11 1/2	714.56	11 1/2	465.62	11 1/2	216.63	11 1/2	2.38	11 1/2		11 1/2		11 1/2	
12 1/4	1,456.45	12 1/4	1,207.40	12 1/4	958.38	12 1/4	709.37	12 1/4	460.43	12 1/4	211.45	12 1/4	1.52	12 1/4		12 1/4		12 1/4	
12	1,451.26	12	1,202.21	12	953.19	12	704.19	12	455.24	12	206.26	12	0.67	12		12		12	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 03/21/1992 SI
DECK MEASUREMENTS: 08/17/2004 CL - 3W
REPRINTED: 08/17/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2004

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