



BARGE "KIRBY 24004"

ULLAGE TRIM TABLE

FORMERLY "HW 2529"

	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	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
3 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
3 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8

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

LENGTH BETWEEN DRAFT MARKS: 216'-00"

December 7, 2004

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

<http://www.pmacorp.net>



BARGE "KIRBY 24004"

1 PORT
ULLAGE TABLE

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

FORMERLY "HW 2529"

GAUGE HEIGHT 16'-10"

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	2,095.98	0	1,790.55	0	1,485.12	0	1,179.69	0	874.26	0	568.86	0	263.50	0		0			
1/4	2,089.61	1/4	1,784.19	1/4	1,478.76	1/4	1,173.33	1/4	867.90	1/4	562.50	1/4	257.14	1/4		1/4			
1/2	2,083.25	1/2	1,777.82	1/2	1,472.39	1/2	1,166.96	1/2	861.54	1/2	556.14	1/2	250.77	1/2		1/2			
3/4	2,076.89	3/4	1,771.46	3/4	1,466.03	3/4	1,160.60	3/4	855.17	3/4	549.79	3/4	244.41	3/4		3/4			
1	2,070.52	1	1,765.10	1	1,459.67	1	1,154.24	1	848.81	1	543.43	1	238.05	1		1			
1/4	2,064.16	1/4	1,758.73	1/4	1,453.30	1/4	1,147.88	1/4	842.45	1/4	537.07	1/4	231.68	1/4		1/4			
1/2	2,057.80	1/2	1,752.37	1/2	1,446.94	1/2	1,141.51	1/2	836.08	1/2	530.70	1/2	225.32	1/2		1/2			
3/4	2,051.44	3/4	1,746.01	3/4	1,440.58	3/4	1,135.15	3/4	829.72	3/4	524.34	3/4	218.96	3/4		3/4			
2	2,045.07	2	1,739.64	2	1,434.21	2	1,128.79	2	823.36	2	517.98	2	212.60	2		2			
1/4	2,038.71	1/4	1,733.28	1/4	1,427.85	1/4	1,122.42	1/4	816.99	1/4	511.62	1/4	206.23	1/4		1/4			
1/2	2,032.35	1/2	1,726.92	1/2	1,421.49	1/2	1,116.06	1/2	810.63	1/2	505.26	1/2	199.87	1/2		1/2			
3/4	2,025.98	3/4	1,720.55	3/4	1,415.13	3/4	1,109.70	3/4	804.27	3/4	498.90	3/4	193.51	3/4		3/4			
3	2,019.62	3	1,714.19	3	1,408.76	3	1,103.33	3	797.90	3	492.55	3	187.14	3		3			
1/4	2,013.26	1/4	1,707.83	1/4	1,402.40	1/4	1,096.97	1/4	791.54	1/4	486.18	1/4	180.78	1/4		1/4			
1/2	2,006.89	1/2	1,701.46	1/2	1,396.04	1/2	1,090.61	1/2	785.18	1/2	479.82	1/2	174.42	1/2		1/2			
3/4	2,000.53	3/4	1,695.10	3/4	1,389.67	3/4	1,084.24	3/4	778.82	3/4	473.46	3/4	168.05	3/4		3/4			
4	1,994.17	4	1,688.74	4	1,383.31	4	1,077.88	4	772.45	4	467.10	4	161.69	4		4			
1/4	1,987.80	1/4	1,682.38	1/4	1,376.95	1/4	1,071.52	1/4	766.09	1/4	460.73	1/4	155.33	1/4		1/4			
1/2	1,981.44	1/2	1,676.01	1/2	1,370.58	1/2	1,065.15	1/2	759.73	1/2	454.37	1/2	148.96	1/2		1/2			
3/4	1,975.08	3/4	1,669.65	3/4	1,364.22	3/4	1,058.79	3/4	753.36	3/4	448.01	3/4	142.60	3/4		3/4			
5	1,968.72	5	1,663.29	5	1,357.86	5	1,052.43	5	747.00	5	441.64	5	136.24	5		5			
1/4	1,962.35	1/4	1,656.92	1/4	1,351.49	1/4	1,046.07	1/4	740.64	1/4	435.29	1/4	129.87	1/4		1/4			
1/2	1,955.99	1/2	1,650.56	1/2	1,345.13	1/2	1,039.70	1/2	734.27	1/2	428.93	1/2	123.51	1/2		1/2			
3/4	1,949.63	3/4	1,644.20	3/4	1,338.77	3/4	1,033.34	3/4	727.91	3/4	422.57	3/4	117.15	3/4		3/4			
6	1,943.26	6	1,637.83	6	1,332.41	6	1,026.98	6	721.55	6	416.21	6	110.79	6		6			
1/4	1,936.90	1/4	1,631.47	1/4	1,326.04	1/4	1,020.61	1/4	715.18	1/4	409.85	1/4	104.44	1/4		1/4			
1/2	1,930.54	1/2	1,625.11	1/2	1,319.68	1/2	1,014.25	1/2	708.82	1/2	403.49	1/2	98.10	1/2		1/2			
3/4	1,924.17	3/4	1,618.74	3/4	1,313.32	3/4	1,007.89	3/4	702.46	3/4	397.13	3/4	91.75	3/4		3/4			
7	1,917.81	7	1,612.38	7	1,306.95	7	1,001.52	7	696.10	7	390.76	7	85.40	7		7			
1/4	1,911.45	1/4	1,606.02	1/4	1,300.59	1/4	995.16	1/4	689.73	1/4	384.40	1/4	79.07	1/4		1/4			
1/2	1,905.08	1/2	1,599.66	1/2	1,294.23	1/2	988.80	1/2	683.37	1/2	378.04	1/2	72.74	1/2		1/2			
3/4	1,898.72	3/4	1,593.29	3/4	1,287.86	3/4	982.43	3/4	677.01	3/4	371.67	3/4	66.40	3/4		3/4			
8	1,892.36	8	1,586.93	8	1,281.50	8	976.07	8	670.64	8	365.31	8	60.07	8		8			
1/4	1,885.99	1/4	1,580.57	1/4	1,275.14	1/4	969.72	1/4	664.28	1/4	358.95	1/4	54.23	1/4		1/4			
1/2	1,879.63	1/2	1,574.20	1/2	1,268.77	1/2	963.37	1/2	657.92	1/2	352.58	1/2	48.39	1/2		1/2			
3/4	1,873.27	3/4	1,567.84	3/4	1,262.41	3/4	957.02	3/4	651.55	3/4	346.22	3/4	42.55	3/4		3/4			
9	1,866.91	9	1,561.48	9	1,256.05	9	950.67	9	645.19	9	339.86	9	36.71	9		9			
1/4	1,860.54	1/4	1,555.11	1/4	1,249.68	1/4	944.29	1/4	638.83	1/4	333.49	1/4	32.17	1/4		1/4			
1/2	1,854.18	1/2	1,548.75	1/2	1,243.32	1/2	937.92	1/2	632.48	1/2	327.13	1/2	27.63	1/2		1/2			
3/4	1,847.82	3/4	1,542.39	3/4	1,236.96	3/4	931.54	3/4	626.12	3/4	320.77	3/4	23.09	3/4		3/4			
10	1,841.45	10	1,536.02	10	1,230.60	10	925.17	10	619.76	10	314.40	10	18.55	10		10			
1/4	1,835.09	1/4	1,529.66	1/4	1,224.23	1/4	918.80	1/4	613.40	1/4	308.04	1/4		1/4		1/4			
1/2	1,828.73	1/2	1,523.30	1/2	1,217.87	1/2	912.44	1/2	607.04	1/2	301.68	1/2		1/2		1/2			
3/4	1,822.36	3/4	1,516.94	3/4	1,211.51	3/4	906.08	3/4	600.67	3/4	295.32	3/4		3/4		3/4			
11	1,816.00	11	1,510.57	11	1,205.14	11	899.71	11	594.31	11	288.95	11		11		11			
1/4	1,809.64	1/4	1,504.21	1/4	1,198.78	1/4	893.35	1/4	587.95	1/4	282.59	1/4		1/4		1/4			
1/2	1,803.27	1/2	1,497.85	1/2	1,192.42	1/2	886.99	1/2	581.58	1/2	276.23	1/2		1/2		1/2			
3/4	1,796.91	3/4	1,491.48	3/4	1,186.05	3/4	880.63	3/4	575.22	3/4	269.86	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/1995 CTC
COMPUTED: 11/30/2000 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2000

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 24004"

1 STBD
ULLAGE TABLE

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

FORMERLY "HW 2529"

GAUGE HEIGHT 16'-10 5/8"

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	2,114.77	0	1,808.92	0	1,503.06	0	1,197.20	0	891.33	0	585.54	0	279.80	0		0		0	
1/4	2,108.40	1/4	1,802.54	1/4	1,496.68	1/4	1,190.83	1/4	884.96	1/4	579.17	1/4	273.42	1/4		1/4		1/4	
1/2	2,102.03	1/2	1,796.17	1/2	1,490.31	1/2	1,184.45	1/2	878.59	1/2	572.81	1/2	267.05	1/2		1/2		1/2	
3/4	2,095.65	3/4	1,789.80	3/4	1,483.94	3/4	1,178.08	3/4	872.22	3/4	566.44	3/4	260.68	3/4		3/4		3/4	
1	2,089.29	1	1,783.43	1	1,477.57	1	1,171.71	1	865.85	1	560.07	1	254.31	1		1		1	
1/4	2,082.92	1/4	1,777.06	1/4	1,471.20	1/4	1,165.35	1/4	859.47	1/4	553.70	1/4	247.94	1/4		1/4		1/4	
1/2	2,076.55	1/2	1,770.69	1/2	1,464.83	1/2	1,158.97	1/2	853.10	1/2	547.33	1/2	241.57	1/2		1/2		1/2	
3/4	2,070.17	3/4	1,764.32	3/4	1,458.46	3/4	1,152.60	3/4	846.73	3/4	540.96	3/4	235.20	3/4		3/4		3/4	
2	2,063.80	2	1,757.94	2	1,452.08	2	1,146.23	2	840.36	2	534.59	2	228.82	2		2		2	
1/4	2,057.42	1/4	1,751.57	1/4	1,445.71	1/4	1,139.85	1/4	833.99	1/4	528.23	1/4	222.45	1/4		1/4		1/4	
1/2	2,051.05	1/2	1,745.19	1/2	1,439.33	1/2	1,133.48	1/2	827.62	1/2	521.86	1/2	216.07	1/2		1/2		1/2	
3/4	2,044.68	3/4	1,738.82	3/4	1,432.96	3/4	1,127.11	3/4	821.24	3/4	515.49	3/4	209.70	3/4		3/4		3/4	
3	2,038.31	3	1,732.45	3	1,426.60	3	1,120.74	3	814.87	3	509.12	3	203.33	3		3		3	
1/4	2,031.94	1/4	1,726.08	1/4	1,420.23	1/4	1,114.37	1/4	808.49	1/4	502.75	1/4	196.96	1/4		1/4		1/4	
1/2	2,025.57	1/2	1,719.71	1/2	1,413.86	1/2	1,108.00	1/2	802.12	1/2	496.38	1/2	190.59	1/2		1/2		1/2	
3/4	2,019.20	3/4	1,713.34	3/4	1,407.48	3/4	1,101.62	3/4	795.75	3/4	490.02	3/4	184.22	3/4		3/4		3/4	
4	2,012.82	4	1,706.96	4	1,401.11	4	1,095.25	4	789.38	4	483.65	4	177.85	4		4		4	
1/4	2,006.45	1/4	1,700.59	1/4	1,394.73	1/4	1,088.87	1/4	783.01	1/4	477.29	1/4	171.47	1/4		1/4		1/4	
1/2	2,000.07	1/2	1,694.22	1/2	1,388.36	1/2	1,082.50	1/2	776.64	1/2	470.93	1/2	165.10	1/2		1/2		1/2	
3/4	1,993.70	3/4	1,687.85	3/4	1,381.99	3/4	1,076.13	3/4	770.27	3/4	464.56	3/4	158.73	3/4		3/4		3/4	
5	1,987.33	5	1,681.48	5	1,375.62	5	1,069.76	5	763.89	5	458.19	5	152.36	5		5		5	
1/4	1,980.96	1/4	1,675.11	1/4	1,369.25	1/4	1,063.39	1/4	757.52	1/4	451.82	1/4	145.99	1/4		1/4		1/4	
1/2	1,974.59	1/2	1,668.74	1/2	1,362.88	1/2	1,057.02	1/2	751.14	1/2	445.45	1/2	139.62	1/2		1/2		1/2	
3/4	1,968.22	3/4	1,662.36	3/4	1,356.51	3/4	1,050.65	3/4	744.77	3/4	439.08	3/4	133.24	3/4		3/4		3/4	
6	1,961.85	6	1,655.99	6	1,350.13	6	1,044.27	6	738.40	6	432.71	6	126.87	6		6		6	
1/4	1,955.47	1/4	1,649.61	1/4	1,343.76	1/4	1,037.90	1/4	732.04	1/4	426.35	1/4	120.49	1/4		1/4		1/4	
1/2	1,949.10	1/2	1,643.24	1/2	1,337.38	1/2	1,031.52	1/2	725.67	1/2	419.98	1/2	114.12	1/2		1/2		1/2	
3/4	1,942.73	3/4	1,636.87	3/4	1,331.01	3/4	1,025.15	3/4	719.29	3/4	413.61	3/4	107.76	3/4		3/4		3/4	
7	1,936.36	7	1,630.50	7	1,324.64	7	1,018.77	7	712.92	7	407.24	7	101.40	7		7		7	
1/4	1,929.99	1/4	1,624.13	1/4	1,318.27	1/4	1,012.40	1/4	706.54	1/4	400.87	1/4	95.05	1/4		1/4		1/4	
1/2	1,923.62	1/2	1,617.76	1/2	1,311.90	1/2	1,006.03	1/2	700.17	1/2	394.50	1/2	88.69	1/2		1/2		1/2	
3/4	1,917.24	3/4	1,611.39	3/4	1,305.53	3/4	999.65	3/4	693.80	3/4	388.12	3/4	82.35	3/4		3/4		3/4	
8	1,910.87	8	1,605.01	8	1,299.15	8	993.29	8	687.43	8	381.75	8	76.01	8		8		8	
1/4	1,904.49	1/4	1,598.64	1/4	1,292.78	1/4	986.92	1/4	681.06	1/4	375.37	1/4	69.67	1/4		1/4		1/4	
1/2	1,898.12	1/2	1,592.26	1/2	1,286.41	1/2	980.55	1/2	674.69	1/2	369.00	1/2	63.43	1/2		1/2		1/2	
3/4	1,891.75	3/4	1,585.89	3/4	1,280.04	3/4	974.17	3/4	668.32	3/4	362.63	3/4	57.39	3/4		3/4		3/4	
9	1,885.38	9	1,579.52	9	1,273.67	9	967.80	9	661.95	9	356.26	9	51.44	9		9		9	
1/4	1,879.01	1/4	1,573.15	1/4	1,267.30	1/4	961.42	1/4	655.58	1/4	349.89	1/4	45.49	1/4		1/4		1/4	
1/2	1,872.64	1/2	1,566.78	1/2	1,260.93	1/2	955.05	1/2	649.21	1/2	343.52	1/2	39.87	1/2		1/2		1/2	
3/4	1,866.27	3/4	1,560.41	3/4	1,254.55	3/4	948.68	3/4	642.84	3/4	337.15	3/4	34.89	3/4		3/4		3/4	
10	1,859.89	10	1,554.04	10	1,248.18	10	942.31	10	636.48	10	330.77	10	30.22	10		10		10	
1/4	1,853.52	1/4	1,547.66	1/4	1,241.80	1/4	935.94	1/4	630.11	1/4	324.40	1/4	25.56	1/4		1/4		1/4	
1/2	1,847.14	1/2	1,541.29	1/2	1,235.43	1/2	929.57	1/2	623.74	1/2	318.03	1/2	20.90	1/2		1/2		1/2	
3/4	1,840.77	3/4	1,534.92	3/4	1,229.06	3/4	923.20	3/4	617.37	3/4	311.65	3/4	18.57	3/4		3/4		3/4	
11	1,834.40	11	1,528.55	11	1,222.69	11	916.82	11	611.00	11	305.29	11		11		11		11	
1/4	1,828.04	1/4	1,522.18	1/4	1,216.32	1/4	910.45	1/4	604.63	1/4	298.92	1/4		1/4		1/4		1/4	
1/2	1,821.67	1/2	1,515.81	1/2	1,209.95	1/2	904.07	1/2	598.26	1/2	292.55	1/2		1/2		1/2		1/2	
3/4	1,815.29	3/4	1,509.43	3/4	1,203.58	3/4	897.70	3/4	591.90	3/4	286.17	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/1995 CTC
COMPUTED: 11/30/2000 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2000

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



BARGE "KIRBY 24004"

2 PORT ULLAGE TABLE

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

FORMERLY "HW 2529"

GAUGE HEIGHT 16'-10"

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	2,085.88	0	1,781.90	0	1,477.95	0	1,174.00	0	870.05	0	566.12	0	262.24	0		0			
1/4	2,079.55	1/4	1,775.58	1/4	1,471.62	1/4	1,167.67	1/4	863.71	1/4	559.79	1/4	255.90	1/4		1/4			
1/2	2,073.21	1/2	1,769.25	1/2	1,465.29	1/2	1,161.33	1/2	857.38	1/2	553.46	1/2	249.57	1/2		1/2			
3/4	2,066.88	3/4	1,762.92	3/4	1,458.95	3/4	1,155.00	3/4	851.05	3/4	547.14	3/4	243.24	3/4		3/4			
1	2,060.55	1	1,756.59	1	1,452.62	1	1,148.67	1	844.71	1	540.81	1	236.90	1		1			
1/4	2,054.21	1/4	1,750.26	1/4	1,446.29	1/4	1,142.33	1/4	838.38	1/4	534.48	1/4	230.57	1/4		1/4			
1/2	2,047.88	1/2	1,743.93	1/2	1,439.96	1/2	1,136.00	1/2	832.05	1/2	528.14	1/2	224.24	1/2		1/2			
3/4	2,041.55	3/4	1,737.59	3/4	1,433.64	3/4	1,129.67	3/4	825.71	3/4	521.81	3/4	217.90	3/4		3/4			
2	2,035.21	2	1,731.26	2	1,427.31	2	1,123.33	2	819.38	2	515.48	2	211.57	2		2			
1/4	2,028.88	1/4	1,724.93	1/4	1,420.98	1/4	1,117.01	1/4	813.05	1/4	509.15	1/4	205.24	1/4		1/4			
1/2	2,022.55	1/2	1,718.59	1/2	1,414.64	1/2	1,110.68	1/2	806.71	1/2	502.82	1/2	198.90	1/2		1/2			
3/4	2,016.21	3/4	1,712.26	3/4	1,408.31	3/4	1,104.35	3/4	800.38	3/4	496.49	3/4	192.57	3/4		3/4			
3	2,009.88	3	1,705.93	3	1,401.98	3	1,098.02	3	794.05	3	490.17	3	186.24	3		3			
1/4	2,003.55	1/4	1,699.59	1/4	1,395.64	1/4	1,091.69	1/4	787.72	1/4	483.83	1/4	179.90	1/4		1/4			
1/2	1,997.21	1/2	1,693.26	1/2	1,389.31	1/2	1,085.36	1/2	781.39	1/2	477.50	1/2	173.57	1/2		1/2			
3/4	1,990.88	3/4	1,686.93	3/4	1,382.98	3/4	1,079.02	3/4	775.07	3/4	471.17	3/4	167.24	3/4		3/4			
4	1,984.55	4	1,680.59	4	1,376.64	4	1,072.69	4	768.74	4	464.83	4	160.90	4		4			
1/4	1,978.21	1/4	1,674.26	1/4	1,370.31	1/4	1,066.36	1/4	762.40	1/4	458.51	1/4	154.57	1/4		1/4			
1/2	1,971.88	1/2	1,667.93	1/2	1,363.98	1/2	1,060.02	1/2	756.07	1/2	452.18	1/2	148.24	1/2		1/2			
3/4	1,965.55	3/4	1,661.59	3/4	1,357.64	3/4	1,053.69	3/4	749.74	3/4	445.85	3/4	141.90	3/4		3/4			
5	1,959.21	5	1,655.26	5	1,351.31	5	1,047.36	5	743.40	5	439.52	5	135.57	5		5			
1/4	1,952.89	1/4	1,648.93	1/4	1,344.98	1/4	1,041.02	1/4	737.07	1/4	433.20	1/4	129.24	1/4		1/4			
1/2	1,946.56	1/2	1,642.60	1/2	1,338.64	1/2	1,034.69	1/2	730.74	1/2	426.87	1/2	122.90	1/2		1/2			
3/4	1,940.23	3/4	1,636.26	3/4	1,332.31	3/4	1,028.36	3/4	724.40	3/4	420.54	3/4	116.57	3/4		3/4			
6	1,933.90	6	1,629.93	6	1,325.98	6	1,022.02	6	718.07	6	414.21	6	110.24	6		6			
1/4	1,927.57	1/4	1,623.60	1/4	1,319.64	1/4	1,015.69	1/4	711.74	1/4	407.88	1/4	103.93	1/4		1/4			
1/2	1,921.24	1/2	1,617.27	1/2	1,313.31	1/2	1,009.36	1/2	705.40	1/2	401.55	1/2	97.62	1/2		1/2			
3/4	1,914.90	3/4	1,610.95	3/4	1,306.98	3/4	1,003.02	3/4	699.07	3/4	395.21	3/4	91.31	3/4		3/4			
7	1,908.57	7	1,604.62	7	1,300.64	7	996.69	7	692.74	7	388.88	7	85.00	7		7			
1/4	1,902.24	1/4	1,598.29	1/4	1,294.31	1/4	990.36	1/4	686.40	1/4	382.55	1/4	78.70	1/4		1/4			
1/2	1,895.90	1/2	1,591.95	1/2	1,287.98	1/2	984.02	1/2	680.07	1/2	376.21	1/2	72.39	1/2		1/2			
3/4	1,889.57	3/4	1,585.62	3/4	1,281.64	3/4	977.69	3/4	673.74	3/4	369.88	3/4	66.09	3/4		3/4			
8	1,883.24	8	1,579.29	8	1,275.31	8	971.36	8	667.40	8	363.55	8	59.79	8		8			
1/4	1,876.90	1/4	1,572.95	1/4	1,268.98	1/4	965.02	1/4	661.08	1/4	357.21	1/4	53.98	1/4		1/4			
1/2	1,870.57	1/2	1,566.62	1/2	1,262.65	1/2	958.69	1/2	654.75	1/2	350.88	1/2	48.17	1/2		1/2			
3/4	1,864.24	3/4	1,560.29	3/4	1,256.33	3/4	952.36	3/4	648.42	3/4	344.55	3/4	42.36	3/4		3/4			
9	1,857.90	9	1,553.95	9	1,250.00	9	946.02	9	642.10	9	338.21	9	36.55	9		9			
1/4	1,851.57	1/4	1,547.62	1/4	1,243.67	1/4	939.70	1/4	635.76	1/4	331.88	1/4	32.02	1/4		1/4			
1/2	1,845.24	1/2	1,541.29	1/2	1,237.33	1/2	933.37	1/2	629.43	1/2	325.55	1/2	27.50	1/2		1/2			
3/4	1,838.90	3/4	1,534.95	3/4	1,231.00	3/4	927.04	3/4	623.10	3/4	319.21	3/4	22.98	3/4		3/4			
10	1,832.57	10	1,528.62	10	1,224.67	10	920.71	10	616.76	10	312.88	10	18.45	10		10			
1/4	1,826.24	1/4	1,522.29	1/4	1,218.33	1/4	914.38	1/4	610.43	1/4	306.55	1/4		1/4		1/4			
1/2	1,819.90	1/2	1,515.95	1/2	1,212.00	1/2	908.05	1/2	604.11	1/2	300.21	1/2		1/2		1/2			
3/4	1,813.57	3/4	1,509.62	3/4	1,205.67	3/4	901.71	3/4	597.78	3/4	293.88	3/4		3/4		3/4			
11	1,807.24	11	1,503.29	11	1,199.33	11	895.38	11	591.45	11	287.55	11		11		11			
1/4	1,800.90	1/4	1,496.95	1/4	1,193.00	1/4	889.05	1/4	585.12	1/4	281.22	1/4		1/4		1/4			
1/2	1,794.57	1/2	1,490.62	1/2	1,186.67	1/2	882.71	1/2	578.79	1/2	274.89	1/2		1/2		1/2			
3/4	1,788.24	3/4	1,484.29	3/4	1,180.33	3/4	876.38	3/4	572.45	3/4	268.56	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/1995 CTC
COMPUTED: 11/30/2000 CL

CANCELS AND SUPERCEDES
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BARGE "KIRBY 24004"

2 STBD ULLAGE TABLE

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

FORMERLY "HW 2529"

GAUGE HEIGHT 16'-10 1/8"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	3,918.31	0	3,615.33	0	3,311.00	0	3,006.55	0	2,702.12	0	2,397.67
1/4		1/4		1/4		1/4		1/4	3,912.04	1/4	3,608.99	1/4	3,304.66	1/4	3,000.21	1/4	2,695.77	1/4	2,391.32
1/2		1/2		1/2		1/2		1/2	3,905.76	1/2	3,602.66	1/2	3,298.32	1/2	2,993.87	1/2	2,689.43	1/2	2,384.98
3/4		3/4		3/4		3/4		3/4	3,899.49	3/4	3,596.32	3/4	3,291.98	3/4	2,987.53	3/4	2,683.08	3/4	2,378.63
1		1		1		1		1	3,893.21	1	3,589.98	1	3,285.64	1	2,981.19	1	2,676.74	1	2,372.29
1/4		1/4		1/4		1/4		1/4	3,886.94	1/4	3,583.64	1/4	3,279.30	1/4	2,974.85	1/4	2,670.39	1/4	2,365.95
1/2		1/2		1/2		1/2		1/2	3,880.67	1/2	3,577.30	1/2	3,272.95	1/2	2,968.50	1/2	2,664.05	1/2	2,359.61
3/4		3/4		3/4		3/4		3/4	3,874.39	3/4	3,570.96	3/4	3,266.61	3/4	2,962.15	3/4	2,657.70	3/4	2,353.27
2		2		2		2		2	3,868.11	2	3,564.62	2	3,260.26	2	2,955.81	2	2,651.36	2	2,346.93
1/4		1/4		1/4		1/4		1/4	3,861.82	1/4	3,558.28	1/4	3,253.92	1/4	2,949.47	1/4	2,645.02	1/4	2,340.58
1/2		1/2		1/2		1/2		1/2	3,855.52	1/2	3,551.94	1/2	3,247.57	1/2	2,943.13	1/2	2,638.68	1/2	2,334.24
3/4		3/4		3/4		3/4		3/4	3,849.23	3/4	3,545.60	3/4	3,241.23	3/4	2,936.79	3/4	2,632.34	3/4	2,327.89
3		3		3		3		3	3,842.92	3	3,539.26	3	3,234.88	3	2,930.45	3	2,626.00	3	2,321.55
1/4		1/4		1/4		1/4		1/4	3,836.61	1/4	3,532.92	1/4	3,228.54	1/4	2,924.11	1/4	2,619.65	1/4	2,315.20
1/2		1/2		1/2		1/2		1/2	3,830.28	1/2	3,526.58	1/2	3,222.20	1/2	2,917.76	1/2	2,613.31	1/2	2,308.86
3/4		3/4		3/4		3/4		3/4	3,823.96	3/4	3,520.24	3/4	3,215.86	3/4	2,911.42	3/4	2,606.96	3/4	2,302.51
4		4		4		4		4	3,817.64	4	3,513.90	4	3,209.52	4	2,905.07	4	2,600.62	4	2,296.17
1/4		1/4		1/4		1/4		1/4	3,811.32	1/4	3,507.57	1/4	3,203.18	1/4	2,898.73	1/4	2,594.28	1/4	2,289.83
1/2		1/2		1/2		1/2		1/2	3,805.00	1/2	3,501.23	1/2	3,196.83	1/2	2,892.38	1/2	2,587.94	1/2	2,283.49
3/4		3/4		3/4		3/4		3/4	3,798.68	3/4	3,494.89	3/4	3,190.49	3/4	2,886.04	3/4	2,581.60	3/4	2,277.15
5		5		5		5		5	3,792.36	5	3,488.55	5	3,184.14	5	2,879.69	5	2,575.26	5	2,270.81
1/4		1/4		1/4		1/4		1/4	3,786.04	1/4	3,482.21	1/4	3,177.80	1/4	2,873.35	1/4	2,568.92	1/4	2,264.46
1/2		1/2		1/2		1/2		1/2	3,779.71	1/2	3,475.87	1/2	3,171.46	1/2	2,867.01	1/2	2,562.57	1/2	2,258.12
3/4		3/4		3/4		3/4		3/4	4,059.02	3/4	3,773.39	3/4	3,469.53	3/4	3,165.13	3/4	2,860.67	3/4	2,556.23
6		6		6		6		6	4,055.23	6	3,767.07	6	3,463.19	6	3,158.78	6	2,854.33	6	2,549.88
1/4		1/4		1/4		1/4		1/4	4,051.18	1/4	3,760.75	1/4	3,456.85	1/4	3,152.44	1/4	2,847.99	1/4	2,543.54
1/2		1/2		1/2		1/2		1/2	4,047.00	1/2	3,754.43	1/2	3,450.51	1/2	3,146.10	1/2	2,841.64	1/2	2,537.20
3/4		3/4		3/4		3/4		3/4	4,042.82	3/4	3,748.11	3/4	3,444.17	3/4	3,139.75	3/4	2,835.30	3/4	2,530.86
7		7		7		7		7	4,038.38	7	3,741.79	7	3,437.83	7	3,133.41	7	2,828.95	7	2,524.52
1/4		1/4		1/4		1/4		1/4	4,033.40	1/4	3,735.46	1/4	3,431.49	1/4	3,127.07	1/4	2,822.61	1/4	2,518.18
1/2		1/2		1/2		1/2		1/2	4,028.15	1/2	3,729.14	1/2	3,425.14	1/2	3,120.73	1/2	2,816.27	1/2	2,511.83
3/4		3/4		3/4		3/4		3/4	4,022.91	3/4	3,722.82	3/4	3,418.80	3/4	3,114.39	3/4	2,809.93	3/4	2,505.49
8		8		8		8		8	4,017.47	8	3,716.50	8	3,412.45	8	3,108.05	8	2,803.59	8	2,499.14
1/4		1/4		1/4		1/4		1/4	4,011.65	1/4	3,710.18	1/4	3,406.11	1/4	3,101.70	1/4	2,797.25	1/4	2,492.80
1/2		1/2		1/2		1/2		1/2	4,005.63	1/2	3,703.86	1/2	3,399.77	1/2	3,095.36	1/2	2,790.90	1/2	2,486.45
3/4		3/4		3/4		3/4		3/4	3,999.61	3/4	3,697.54	3/4	3,393.43	3/4	3,089.01	3/4	2,784.56	3/4	2,480.11
9		9		9		9		9	3,993.53	9	3,691.21	9	3,387.10	9	3,082.67	9	2,778.22	9	2,473.76
1/4		1/4		1/4		1/4		1/4	3,987.32	1/4	3,684.89	1/4	3,380.76	1/4	3,076.32	1/4	2,771.88	1/4	2,467.42
1/2		1/2		1/2		1/2		1/2	3,981.05	1/2	3,678.57	1/2	3,374.42	1/2	3,069.98	1/2	2,765.54	1/2	2,461.08
3/4		3/4		3/4		3/4		3/4	3,974.77	3/4	3,672.25	3/4	3,368.08	3/4	3,063.63	3/4	2,759.20	3/4	2,454.74
10		10		10		10		10	3,968.50	10	3,665.93	10	3,361.74	10	3,057.29	10	2,752.86	10	2,448.40
1/4		1/4		1/4		1/4		1/4	3,962.23	1/4	3,659.61	1/4	3,355.40	1/4	3,050.95	1/4	2,746.51	1/4	2,442.06
1/2		1/2		1/2		1/2		1/2	3,955.95	1/2	3,653.29	1/2	3,349.06	1/2	3,044.61	1/2	2,740.17	1/2	2,435.71
3/4		3/4		3/4		3/4		3/4	3,949.68	3/4	3,646.96	3/4	3,342.72	3/4	3,038.27	3/4	2,733.82	3/4	2,429.37
11		11		11		11		11	3,943.40	11	3,640.64	11	3,336.38	11	3,031.93	11	2,727.48	11	2,423.03
1/4		1/4		1/4		1/4		1/4	3,937.13	1/4	3,634.32	1/4	3,330.04	1/4	3,025.58	1/4	2,721.14	1/4	2,416.68
1/2		1/2		1/2		1/2		1/2	3,930.86	1/2	3,627.99	1/2	3,323.69	1/2	3,019.24	1/2	2,714.80	1/2	2,410.35
3/4		3/4		3/4		3/4		3/4	3,924.58	3/4	3,621.66	3/4	3,317.35	3/4	3,012.89	3/4	2,708.46	3/4	2,404.01

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE APPLIES ONLY TO GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 37'-02" FORWARD OF AFT BULKHEAD.
 NO TRIM CORRECTION REQUIRED DUE TO GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 24004"

2 STBD
ULLAGE TABLE

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

FORMERLY "HW 2529"

GAUGE HEIGHT 16'-10 1/8"

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	2,093.14	0	1,788.55	0	1,483.95	0	1,179.36	0	874.76	0	570.31	0	265.95	0		0			
1/4	2,086.80	1/4	1,782.20	1/4	1,477.61	1/4	1,173.01	1/4	868.42	1/4	563.97	1/4	259.61	1/4					
1/2	2,080.45	1/2	1,775.86	1/2	1,471.26	1/2	1,166.67	1/2	862.07	1/2	557.63	1/2	253.26	1/2					
3/4	2,074.11	3/4	1,769.51	3/4	1,464.92	3/4	1,160.32	3/4	855.73	3/4	551.29	3/4	246.92	3/4					
1	2,067.76	1	1,763.17	1	1,458.57	1	1,153.98	1	849.38	1	544.95	1	240.57	1					
1/4	2,061.42	1/4	1,756.82	1/4	1,452.23	1/4	1,147.63	1/4	843.04	1/4	538.62	1/4	234.23	1/4					
1/2	2,055.07	1/2	1,750.48	1/2	1,445.88	1/2	1,141.29	1/2	836.69	1/2	532.29	1/2	227.88	1/2					
3/4	2,048.73	3/4	1,744.13	3/4	1,439.54	3/4	1,134.94	3/4	830.34	3/4	525.95	3/4	221.54	3/4					
2	2,042.38	2	1,737.79	2	1,433.19	2	1,128.59	2	824.00	2	519.62	2	215.19	2					
1/4	2,036.04	1/4	1,731.44	1/4	1,426.84	1/4	1,122.25	1/4	817.65	1/4	513.28	1/4	208.84	1/4					
1/2	2,029.69	1/2	1,725.09	1/2	1,420.50	1/2	1,115.90	1/2	811.31	1/2	506.94	1/2	202.50	1/2					
3/4	2,023.34	3/4	1,718.75	3/4	1,414.15	3/4	1,109.56	3/4	804.96	3/4	500.60	3/4	196.15	3/4					
3	2,017.00	3	1,712.40	3	1,407.81	3	1,103.21	3	798.62	3	494.26	3	189.81	3					
1/4	2,010.65	1/4	1,706.06	1/4	1,401.46	1/4	1,096.87	1/4	792.27	1/4	487.92	1/4	183.46	1/4					
1/2	2,004.31	1/2	1,699.71	1/2	1,395.12	1/2	1,090.52	1/2	785.93	1/2	481.58	1/2	177.12	1/2					
3/4	1,997.96	3/4	1,693.37	3/4	1,388.77	3/4	1,084.18	3/4	779.58	3/4	475.24	3/4	170.77	3/4					
4	1,991.62	4	1,687.02	4	1,382.43	4	1,077.83	4	773.24	4	468.91	4	164.43	4					
1/4	1,985.27	1/4	1,680.68	1/4	1,376.08	1/4	1,071.49	1/4	766.89	1/4	462.57	1/4	158.08	1/4					
1/2	1,978.93	1/2	1,674.33	1/2	1,369.74	1/2	1,065.14	1/2	760.55	1/2	456.24	1/2	151.74	1/2					
3/4	1,972.58	3/4	1,667.99	3/4	1,363.39	3/4	1,058.80	3/4	754.20	3/4	449.90	3/4	145.39	3/4					
5	1,966.24	5	1,661.64	5	1,357.05	5	1,052.45	5	747.86	5	443.57	5	139.05	5					
1/4	1,959.89	1/4	1,655.30	1/4	1,350.70	1/4	1,046.10	1/4	741.51	1/4	437.23	1/4	132.70	1/4					
1/2	1,953.55	1/2	1,648.95	1/2	1,344.35	1/2	1,039.75	1/2	735.15	1/2	430.89	1/2	126.36	1/2					
3/4	1,947.20	3/4	1,642.61	3/4	1,337.99	3/4	1,033.40	3/4	728.80	3/4	424.55	3/4	120.01	3/4					
6	1,940.86	6	1,636.26	6	1,331.64	6	1,027.05	6	722.45	6	418.21	6	113.67	6					
1/4	1,934.51	1/4	1,629.91	1/4	1,325.30	1/4	1,020.70	1/4	716.11	1/4	411.87	1/4	107.33	1/4					
1/2	1,928.15	1/2	1,623.56	1/2	1,318.95	1/2	1,014.36	1/2	709.76	1/2	405.54	1/2	101.00	1/2					
3/4	1,921.80	3/4	1,617.21	3/4	1,312.61	3/4	1,008.01	3/4	703.42	3/4	399.20	3/4	94.67	3/4					
7	1,915.45	7	1,610.86	7	1,306.26	7	1,001.67	7	697.07	7	392.86	7	88.34	7					
1/4	1,909.11	1/4	1,604.51	1/4	1,299.92	1/4	995.32	1/4	690.73	1/4	386.51	1/4	82.02	1/4					
1/2	1,902.76	1/2	1,598.17	1/2	1,293.57	1/2	988.97	1/2	684.39	1/2	380.17	1/2	75.70	1/2					
3/4	1,896.42	3/4	1,591.82	3/4	1,287.22	3/4	982.63	3/4	678.05	3/4	373.82	3/4	69.39	3/4					
8	1,890.07	8	1,585.47	8	1,280.88	8	976.28	8	671.71	8	367.47	8	63.17	8					
1/4	1,883.72	1/4	1,579.13	1/4	1,274.53	1/4	969.94	1/4	665.37	1/4	361.13	1/4	57.15	1/4					
1/2	1,877.38	1/2	1,572.78	1/2	1,268.19	1/2	963.59	1/2	659.02	1/2	354.78	1/2	51.23	1/2					
3/4	1,871.03	3/4	1,566.44	3/4	1,261.84	3/4	957.25	3/4	652.68	3/4	348.44	3/4	45.30	3/4					
9	1,864.69	9	1,560.09	9	1,255.50	9	950.90	9	646.34	9	342.09	9	39.81	9					
1/4	1,858.34	1/4	1,553.75	1/4	1,249.15	1/4	944.56	1/4	640.00	1/4	335.75	1/4	35.18	1/4					
1/2	1,852.00	1/2	1,547.40	1/2	1,242.81	1/2	938.21	1/2	633.67	1/2	329.40	1/2	30.98	1/2					
3/4	1,845.65	3/4	1,541.06	3/4	1,236.46	3/4	931.87	3/4	627.33	3/4	323.06	3/4	26.78	3/4					
10	1,839.31	10	1,534.71	10	1,230.12	10	925.52	10	621.00	10	316.71	10	22.58	10					
1/4	1,832.96	1/4	1,528.37	1/4	1,223.77	1/4	919.18	1/4	614.66	1/4	310.37	1/8	18.50	1/4					
1/2	1,826.62	1/2	1,522.02	1/2	1,217.43	1/2	912.83	1/2	608.32	1/2	304.02	1/2		1/2					
3/4	1,820.27	3/4	1,515.68	3/4	1,211.08	3/4	906.49	3/4	601.98	3/4	297.68	3/4		3/4					
11	1,813.93	11	1,509.33	11	1,204.74	11	900.14	11	595.64	11	291.33	11		11					
1/4	1,807.58	1/4	1,502.99	1/4	1,198.39	1/4	893.80	1/4	589.31	1/4	284.99	1/4		1/4					
1/2	1,801.24	1/2	1,496.64	1/2	1,192.05	1/2	887.45	1/2	582.98	1/2	278.64	1/2		1/2					
3/4	1,794.89	3/4	1,490.30	3/4	1,185.70	3/4	881.11	3/4	576.64	3/4	272.30	3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/1995 CTC
COMPUTED: 11/30/2000 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2000

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



BARGE "KIRBY 24004"

3 PORT ULLAGE TABLE

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

FORMERLY "HW 2529"

GAUGE HEIGHT 16'-09 1/8"

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		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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE APPLIES ONLY TO GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 36'-04" FORWARD OF AFT BULKHEAD.
 NO TRIM CORRECTION REQUIRED DUE TO GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK.

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 24004"

3 PORT ULLAGE TABLE

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

FORMERLY "HW 2529"

GAUGE HEIGHT 16'-09 1/8"

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	2,237.07	0	1,907.52	0	1,577.95	0	1,248.36	0	918.76	0	589.64	0	260.59	0		0			
1/4	2,230.20	1/4	1,900.65	1/4	1,571.08	1/4	1,241.49	1/4	911.89	1/4	582.80	1/4	253.73	1/4		1/4			
1/2	2,223.33	1/2	1,893.79	1/2	1,564.21	1/2	1,234.62	1/2	905.02	1/2	575.95	1/2	246.86	1/2		1/2			
3/4	2,216.46	3/4	1,886.92	3/4	1,557.35	3/4	1,227.75	3/4	898.15	3/4	569.11	3/4	239.99	3/4		3/4			
1	2,209.60	1	1,880.05	1	1,550.48	1	1,220.88	1	891.29	1	562.26	1	233.12	1		1			
1/4	2,202.73	1/4	1,873.18	1/4	1,543.61	1/4	1,214.02	1/4	884.42	1/4	555.42	1/4	226.25	1/4		1/4			
1/2	2,195.87	1/2	1,866.32	1/2	1,536.75	1/2	1,207.15	1/2	877.56	1/2	548.57	1/2	219.38	1/2		1/2			
3/4	2,189.01	3/4	1,859.46	3/4	1,529.89	3/4	1,200.29	3/4	870.70	3/4	541.73	3/4	212.51	3/4		3/4			
2	2,182.14	2	1,852.60	2	1,523.02	2	1,193.43	2	863.83	2	534.88	2	205.64	2		2			
1/4	2,175.27	1/4	1,845.73	1/4	1,516.15	1/4	1,186.56	1/4	856.96	1/4	528.04	1/4	198.77	1/4		1/4			
1/2	2,168.40	1/2	1,838.87	1/2	1,509.29	1/2	1,179.69	1/2	850.09	1/2	521.19	1/2	191.89	1/2		1/2			
3/4	2,161.54	3/4	1,832.01	3/4	1,502.42	3/4	1,172.82	3/4	843.23	3/4	514.35	3/4	185.02	3/4		3/4			
3	2,154.67	3	1,825.14	3	1,495.55	3	1,165.95	3	836.36	3	507.50	3	178.14	3		3			
1/4	2,147.80	1/4	1,818.27	1/4	1,488.68	1/4	1,159.08	1/4	829.49	1/4	500.66	1/4	171.27	1/4		1/4			
1/2	2,140.94	1/2	1,811.40	1/2	1,481.82	1/2	1,152.21	1/2	822.62	1/2	493.82	1/2	164.39	1/2		1/2			
3/4	2,134.08	3/4	1,804.54	3/4	1,474.96	3/4	1,145.35	3/4	815.75	3/4	486.98	3/4	157.52	3/4		3/4			
4	2,127.21	4	1,797.67	4	1,468.09	4	1,138.48	4	808.88	4	480.14	4	150.64	4		4			
1/4	2,120.34	1/4	1,790.80	1/4	1,461.23	1/4	1,131.61	1/4	802.02	1/4	473.30	1/4	143.77	1/4		1/4			
1/2	2,113.48	1/2	1,783.94	1/2	1,454.36	1/2	1,124.75	1/2	795.15	1/2	466.45	1/2	136.89	1/2		1/2			
3/4	2,106.61	3/4	1,777.08	3/4	1,447.49	3/4	1,117.89	3/4	788.29	3/4	459.61	3/4	130.02	3/4		3/4			
5	2,099.74	5	1,770.21	5	1,440.62	5	1,111.02	5	781.43	5	452.76	5	123.15	5		5			
1/4	2,092.87	1/4	1,763.35	1/4	1,433.75	1/4	1,104.15	1/4	774.56	1/4	445.92	1/4	116.28	1/4		1/4			
1/2	2,086.00	1/2	1,756.49	1/2	1,426.88	1/2	1,097.29	1/2	767.69	1/2	439.07	1/2	109.42	1/2		1/2			
3/4	2,079.13	3/4	1,749.62	3/4	1,420.01	3/4	1,090.42	3/4	760.82	3/4	432.23	3/4	102.55	3/4		3/4			
6	2,072.26	6	1,742.76	6	1,413.14	6	1,083.55	6	753.96	6	425.38	6	95.69	6		6			
1/4	2,065.40	1/4	1,735.89	1/4	1,406.28	1/4	1,076.68	1/4	747.10	1/4	418.52	1/4	88.85	1/4		1/4			
1/2	2,058.54	1/2	1,729.02	1/2	1,399.42	1/2	1,069.82	1/2	740.24	1/2	411.65	1/2	82.00	1/2		1/2			
3/4	2,051.67	3/4	1,722.15	3/4	1,392.55	3/4	1,062.96	3/4	733.38	3/4	404.79	3/4	75.15	3/4		3/4			
7	2,044.81	7	1,715.29	7	1,385.69	7	1,056.09	7	726.53	7	397.93	7	68.42	7		7			
1/4	2,037.95	1/4	1,708.42	1/4	1,378.82	1/4	1,049.23	1/4	719.68	1/4	391.07	1/4	61.90	1/4		1/4			
1/2	2,031.08	1/2	1,701.55	1/2	1,371.95	1/2	1,042.36	1/2	712.83	1/2	384.20	1/2	55.49	1/2		1/2			
3/4	2,024.22	3/4	1,694.68	3/4	1,365.08	3/4	1,035.49	3/4	705.99	3/4	377.34	3/4	49.08	3/4		3/4			
8	2,017.36	8	1,687.81	8	1,358.22	8	1,028.62	8	699.14	8	370.47	8	43.13	8		8			
1/4	2,010.49	1/4	1,680.95	1/4	1,351.35	1/4	1,021.76	1/4	692.30	1/4	363.61	1/4	38.11	1/4		1/4			
1/2	2,003.63	1/2	1,674.08	1/2	1,344.49	1/2	1,014.89	1/2	685.45	1/2	356.74	1/2	33.56	1/2		1/2			
3/4	1,996.77	3/4	1,667.22	3/4	1,337.62	3/4	1,008.03	3/4	678.61	3/4	349.87	3/4	29.00	3/4		3/4			
9	1,989.90	9	1,660.36	9	1,330.76	9	1,001.17	9	671.76	9	343.00	9	24.44	9		9			
1/4	1,983.04	1/4	1,653.49	1/4	1,323.89	1/4	994.30	1/4	664.92	1/4	336.13	1/8	20.02	1/4		1/4			
1/2	1,976.17	1/2	1,646.62	1/2	1,317.02	1/2	987.43	1/2	658.07	1/2	329.26	1/2		1/2		1/2			
3/4	1,969.30	3/4	1,639.75	3/4	1,310.15	3/4	980.56	3/4	651.23	3/4	322.39	3/4		3/4		3/4			
10	1,962.43	10	1,632.88	10	1,303.29	10	973.69	10	644.38	10	315.53	10		10		10			
1/4	1,955.57	1/4	1,626.02	1/4	1,296.42	1/4	966.82	1/4	637.54	1/4	308.66	1/4		1/4		1/4			
1/2	1,948.70	1/2	1,619.15	1/2	1,289.55	1/2	959.95	1/2	630.70	1/2	301.80	1/2		1/2		1/2			
3/4	1,941.84	3/4	1,612.29	3/4	1,282.68	3/4	953.08	3/4	623.86	3/4	294.93	3/4		3/4		3/4			
11	1,934.98	11	1,605.43	11	1,275.81	11	946.22	11	617.02	11	288.07	11		11		11			
1/4	1,928.11	1/4	1,598.56	1/4	1,268.95	1/4	939.35	1/4	610.18	1/4	281.20	1/4		1/4		1/4			
1/2	1,921.25	1/2	1,591.69	1/2	1,262.08	1/2	932.49	1/2	603.33	1/2	274.33	1/2		1/2		1/2			
3/4	1,914.39	3/4	1,584.82	3/4	1,255.22	3/4	925.62	3/4	596.49	3/4	267.46	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 24004"

3 STBD ULLAGE TABLE

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

FORMERLY "HW 2529"

GAUGE HEIGHT 16'-09 5/8"

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	2,255.75	0	1,925.54	0	1,595.32	0	1,265.11	0	934.88	0	604.71	0	274.55	0		0			
1/4	2,248.87	1/4	1,918.66	1/4	1,588.45	1/4	1,258.23	1/4	928.00	1/4	597.83	1/4	267.67	1/4		1/4			
1/2	2,242.00	1/2	1,911.78	1/2	1,581.57	1/2	1,251.36	1/2	921.12	1/2	590.95	1/2	260.79	1/2		1/2			
3/4	2,235.12	3/4	1,904.90	3/4	1,574.69	3/4	1,244.48	3/4	914.24	3/4	584.08	3/4	253.91	3/4		3/4			
1	2,228.24	1	1,898.02	1	1,567.81	1	1,237.60	1	907.37	1	577.20	1	247.04	1		1			
1/4	2,221.36	1/4	1,891.14	1/4	1,560.93	1/4	1,230.71	1/4	900.49	1/4	570.33	1/4	240.16	1/4		1/4			
1/2	2,214.48	1/2	1,884.26	1/2	1,554.05	1/2	1,223.83	1/2	893.62	1/2	563.45	1/2	233.28	1/2		1/2			
3/4	2,207.60	3/4	1,877.38	3/4	1,547.17	3/4	1,216.95	3/4	886.74	3/4	556.58	3/4	226.41	3/4		3/4			
2	2,200.71	2	1,870.50	2	1,540.29	2	1,210.07	2	879.86	2	549.70	2	219.52	2		2			
1/4	2,193.83	1/4	1,863.62	1/4	1,533.40	1/4	1,203.19	1/4	872.98	1/4	542.83	1/4	212.64	1/4		1/4			
1/2	2,186.95	1/2	1,856.74	1/2	1,526.52	1/2	1,196.31	1/2	866.10	1/2	535.95	1/2	205.76	1/2		1/2			
3/4	2,180.07	3/4	1,849.86	3/4	1,519.64	3/4	1,189.43	3/4	859.21	3/4	529.07	3/4	198.88	3/4		3/4			
3	2,173.19	3	1,842.98	3	1,512.76	3	1,182.55	3	852.33	3	522.19	3	192.00	3		3			
1/4	2,166.31	1/4	1,836.10	1/4	1,505.88	1/4	1,175.67	1/4	845.45	1/4	515.31	1/4	185.12	1/4		1/4			
1/2	2,159.43	1/2	1,829.22	1/2	1,499.00	1/2	1,168.79	1/2	838.57	1/2	508.43	1/2	178.24	1/2		1/2			
3/4	2,152.55	3/4	1,822.34	3/4	1,492.12	3/4	1,161.91	3/4	831.69	3/4	501.55	3/4	171.36	3/4		3/4			
4	2,145.68	4	1,815.46	4	1,485.25	4	1,155.04	4	824.81	4	494.68	4	164.48	4		4			
1/4	2,138.80	1/4	1,808.59	1/4	1,478.37	1/4	1,148.16	1/4	817.93	1/4	487.80	1/4	157.60	1/4		1/4			
1/2	2,131.93	1/2	1,801.71	1/2	1,471.50	1/2	1,141.28	1/2	811.05	1/2	480.93	1/2	150.72	1/2		1/2			
3/4	2,125.05	3/4	1,794.83	3/4	1,464.62	3/4	1,134.41	3/4	804.17	3/4	474.05	3/4	143.84	3/4		3/4			
5	2,118.17	5	1,787.95	5	1,457.74	5	1,127.52	5	797.30	5	467.17	5	136.96	5		5			
1/4	2,111.29	1/4	1,781.07	1/4	1,450.86	1/4	1,120.64	1/4	790.42	1/4	460.29	1/4	130.09	1/4		1/4			
1/2	2,104.41	1/2	1,774.19	1/2	1,443.98	1/2	1,113.76	1/2	783.55	1/2	453.41	1/2	123.22	1/2		1/2			
3/4	2,097.52	3/4	1,767.31	3/4	1,437.10	3/4	1,106.88	3/4	776.67	3/4	446.53	3/4	116.35	3/4		3/4			
6	2,090.64	6	1,760.43	6	1,430.21	6	1,100.00	6	769.79	6	439.65	6	109.49	6		6			
1/4	2,083.76	1/4	1,753.55	1/4	1,423.33	1/4	1,093.12	1/4	762.90	1/4	432.78	1/4	102.62	1/4		1/4			
1/2	2,076.88	1/2	1,746.67	1/2	1,416.45	1/2	1,086.24	1/2	756.02	1/2	425.90	1/2	95.76	1/2		1/2			
3/4	2,070.00	3/4	1,739.79	3/4	1,409.57	3/4	1,079.36	3/4	749.14	3/4	419.02	3/4	88.91	3/4		3/4			
7	2,063.12	7	1,732.90	7	1,402.69	7	1,072.48	7	742.26	7	412.14	7	82.06	7		7			
1/4	2,056.24	1/4	1,726.02	1/4	1,395.81	1/4	1,065.60	1/4	735.38	1/4	405.26	1/4	75.21	1/4		1/4			
1/2	2,049.36	1/2	1,719.14	1/2	1,388.93	1/2	1,058.71	1/2	728.50	1/2	398.38	1/2	68.47	1/2		1/2			
3/4	2,042.48	3/4	1,712.27	3/4	1,382.05	3/4	1,051.83	3/4	721.62	3/4	391.50	3/4	61.94	3/4		3/4			
8	2,035.61	8	1,705.39	8	1,375.18	8	1,044.95	8	714.75	8	384.62	8	55.52	8		8			
1/4	2,028.73	1/4	1,698.52	1/4	1,368.30	1/4	1,038.07	1/4	707.87	1/4	377.74	1/4	49.11	1/4		1/4			
1/2	2,021.86	1/2	1,691.64	1/2	1,361.43	1/2	1,031.19	1/2	701.00	1/2	370.86	1/2	43.15	1/2		1/2			
3/4	2,014.98	3/4	1,684.76	3/4	1,354.55	3/4	1,024.32	3/4	694.12	3/4	363.98	3/4	38.13	3/4		3/4			
9	2,008.10	9	1,677.88	9	1,347.67	9	1,017.44	9	687.24	9	357.11	9	33.57	9		9			
1/4	2,001.21	1/4	1,671.00	1/4	1,340.79	1/4	1,010.57	1/4	680.36	1/4	350.23	1/4	29.01	1/4		1/4			
1/2	1,994.33	1/2	1,664.12	1/2	1,333.91	1/2	1,003.69	1/2	673.48	1/2	343.36	1/2	24.45	1/2		1/2			
3/4	1,987.45	3/4	1,657.24	3/4	1,327.02	3/4	996.81	3/4	666.60	3/4	336.48	3/4	20.05	3/4		3/4			
10	1,980.57	10	1,650.36	10	1,320.14	10	989.93	10	659.73	10	329.59	10		10		10			
1/4	1,973.69	1/4	1,643.48	1/4	1,313.26	1/4	983.05	1/4	652.85	1/4	322.71	1/4		1/4		1/4			
1/2	1,966.81	1/2	1,636.60	1/2	1,306.38	1/2	976.17	1/2	645.98	1/2	315.83	1/2		1/2		1/2			
3/4	1,959.93	3/4	1,629.71	3/4	1,299.50	3/4	969.29	3/4	639.10	3/4	308.95	3/4		3/4		3/4			
11	1,953.05	11	1,622.83	11	1,292.62	11	962.40	11	632.23	11	302.07	11		11		11			
1/4	1,946.17	1/4	1,615.95	1/4	1,285.74	1/4	955.52	1/4	625.35	1/4	295.19	1/4		1/4		1/4			
1/2	1,939.29	1/2	1,609.07	1/2	1,278.86	1/2	948.64	1/2	618.47	1/2	288.31	1/2		1/2		1/2			
3/4	1,932.41	3/4	1,602.20	3/4	1,271.98	3/4	941.76	3/4	611.60	3/4	281.43	3/4		3/4		3/4			

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