



BARGE "KIRBY 10120"

ULLAGE TRIM TABLE

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

(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: 163'-06"

April 9, 2014

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

<http://www.pmacorp.net>



BARGE "KIRBY 10120"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

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	0	0	3,555.37	0	3,302.38	0	3,049.39	0	2,790.73	0	2,495.04	0	2,198.64	0	2,198.64
1/4		1/4		1/4		1/4	3,550.10	1/4	3,297.11	1/4	3,044.12	1/4	2,784.57	1/4	2,488.86	1/4	2,192.46	1/4	2,192.46
1/2		1/2		1/2		1/2	3,765.75	1/2	3,544.83	1/2	3,291.84	1/2	3,038.85	1/2	2,778.42	1/2	2,482.69	1/2	2,186.29
3/4		3/4		3/4		3/4	3,764.71	3/4	3,539.56	3/4	3,286.57	3/4	3,033.58	3/4	2,772.26	3/4	2,476.51	3/4	2,180.11
1	1	1	1	1	1	1	3,763.68	1	3,534.29	1	3,281.30	1	3,028.31	1	2,766.10	1	2,470.34	1	2,173.94
1/4		1/4		1/4		1/4	3,762.65	1/4	3,529.02	1/4	3,276.03	1/4	3,023.04	1/4	2,759.95	1/4	2,464.16	1/4	2,167.76
1/2		1/2		1/2		1/2	3,761.61	1/2	3,523.75	1/2	3,270.76	1/2	3,017.77	1/2	2,753.79	1/2	2,457.99	1/2	2,161.59
3/4		3/4		3/4		3/4	3,758.51	3/4	3,518.48	3/4	3,265.49	3/4	3,012.50	3/4	2,747.63	3/4	2,451.81	3/4	2,155.41
2	2	2	2	2	2	2	3,755.41	2	3,513.21	2	3,260.22	2	3,007.23	2	2,741.48	2	2,445.64	2	2,149.24
1/4		1/4		1/4		1/4	3,752.31	1/4	3,507.94	1/4	3,254.95	1/4	3,001.96	1/4	2,735.32	1/4	2,439.46	1/4	2,143.06
1/2		1/2		1/2		1/2	3,749.21	1/2	3,502.67	1/2	3,249.68	1/2	2,996.69	1/2	2,729.17	1/2	2,433.29	1/2	2,136.89
3/4		3/4		3/4		3/4	3,745.06	3/4	3,497.39	3/4	3,244.41	3/4	2,991.42	3/4	2,723.01	3/4	2,427.11	3/4	2,130.71
3	3	3	3	3	3	3	3,740.91	3	3,492.12	3	3,239.14	3	2,986.15	3	2,716.85	3	2,420.94	3	2,124.54
1/4		1/4		1/4		1/4	3,736.76	1/4	3,486.85	1/4	3,233.86	1/4	2,980.88	1/4	2,710.70	1/4	2,414.76	1/4	2,118.36
1/2		1/2		1/2		1/2	3,732.61	1/2	3,481.58	1/2	3,228.59	1/2	2,975.61	1/2	2,704.54	1/2	2,408.59	1/2	2,112.19
3/4		3/4		3/4		3/4	3,727.47	3/4	3,476.31	3/4	3,223.32	3/4	2,970.33	3/4	2,698.38	3/4	2,402.41	3/4	2,106.01
4	4	4	4	4	4	4	3,722.34	4	3,471.04	4	3,218.05	4	2,965.06	4	2,692.23	4	2,396.24	4	2,099.84
1/4		1/4		1/4		1/4	3,717.20	1/4	3,465.77	1/4	3,212.78	1/4	2,959.79	1/4	2,686.07	1/4	2,390.06	1/4	2,093.66
1/2		1/2		1/2		1/2	3,712.07	1/2	3,460.50	1/2	3,207.51	1/2	2,954.52	1/2	2,679.91	1/2	2,383.89	1/2	2,087.49
3/4		3/4		3/4		3/4	3,706.89	3/4	3,455.23	3/4	3,202.24	3/4	2,949.25	3/4	2,673.76	3/4	2,377.71	3/4	2,081.31
5	5	5	5	5	5	5	3,701.72	5	3,449.96	5	3,196.97	5	2,943.98	5	2,667.60	5	2,371.54	5	2,075.14
1/4		1/4		1/4		1/4	3,696.55	1/4	3,444.69	1/4	3,191.70	1/4	2,938.71	1/4	2,661.45	1/4	2,365.36	1/4	2,068.96
1/2		1/2		1/2		1/2	3,691.38	1/2	3,439.42	1/2	3,186.43	1/2	2,933.44	1/2	2,655.29	1/2	2,359.19	1/2	2,062.79
3/4		3/4		3/4		3/4	3,686.19	3/4	3,434.15	3/4	3,181.16	3/4	2,928.17	3/4	2,649.13	3/4	2,353.01	3/4	2,056.61
6	6	6	6	6	6	6	3,681.01	6	3,428.88	6	3,175.89	6	2,922.90	6	2,642.98	6	2,346.84	6	2,050.44
1/4		1/4		1/4		1/4	3,675.82	1/4	3,423.61	1/4	3,170.62	1/4	2,917.63	1/4	2,636.82	1/4	2,340.66	1/4	2,044.26
1/2		1/2		1/2		1/2	3,670.63	1/2	3,418.34	1/2	3,165.35	1/2	2,912.36	1/2	2,630.66	1/2	2,334.49	1/2	2,038.09
3/4		3/4		3/4		3/4	3,665.45	3/4	3,413.07	3/4	3,160.08	3/4	2,907.09	3/4	2,624.51	3/4	2,328.31	3/4	2,031.91
7	7	7	7	7	7	7	3,660.27	7	3,407.79	7	3,154.81	7	2,901.82	7	2,618.35	7	2,322.14	7	2,025.74
1/4		1/4		1/4		1/4	3,655.08	1/4	3,402.52	1/4	3,149.54	1/4	2,896.55	1/4	2,612.20	1/4	2,315.96	1/4	2,019.56
1/2		1/2		1/2		1/2	3,649.90	1/2	3,397.25	1/2	3,144.26	1/2	2,891.28	1/2	2,606.04	1/2	2,309.79	1/2	2,013.39
3/4		3/4		3/4		3/4	3,644.71	3/4	3,391.98	3/4	3,138.99	3/4	2,886.01	3/4	2,599.88	3/4	2,303.61	3/4	2,007.21
8	8	8	8	8	8	8	3,639.53	8	3,386.71	8	3,133.72	8	2,880.73	8	2,593.73	8	2,297.44	8	2,001.04
1/4		1/4		1/4		1/4	3,634.34	1/4	3,381.44	1/4	3,128.45	1/4	2,875.46	1/4	2,587.57	1/4	2,291.26	1/4	1,994.86
1/2		1/2		1/2		1/2	3,629.16	1/2	3,376.17	1/2	3,123.18	1/2	2,870.19	1/2	2,581.41	1/2	2,285.09	1/2	1,988.69
3/4		3/4		3/4		3/4	3,623.89	3/4	3,370.90	3/4	3,117.91	3/4	2,864.90	3/4	2,575.26	3/4	2,278.91	3/4	1,982.51
9	9	9	9	9	9	9	3,618.62	9	3,365.63	9	3,112.64	9	2,859.60	9	2,569.10	9	2,272.74	9	1,976.34
1/4		1/4		1/4		1/4	3,613.35	1/4	3,360.36	1/4	3,107.37	1/4	2,854.31	1/4	2,562.95	1/4	2,266.56	1/4	1,970.16
1/2		1/2		1/2		1/2	3,608.08	1/2	3,355.09	1/2	3,102.10	1/2	2,849.01	1/2	2,556.79	1/2	2,260.39	1/2	1,963.99
3/4		3/4		3/4		3/4	3,602.81	3/4	3,349.82	3/4	3,096.83	3/4	2,843.72	3/4	2,550.61	3/4	2,254.21	3/4	1,957.81
10	10	10	10	10	10	10	3,597.54	10	3,344.55	10	3,091.56	10	2,838.42	10	2,544.44	10	2,248.04	10	1,951.64
1/4		1/4		1/4		1/4	3,592.27	1/4	3,339.28	1/4	3,086.29	1/4	2,833.12	1/4	2,538.26	1/4	2,241.86	1/4	1,945.46
1/2		1/2		1/2		1/2	3,587.00	1/2	3,334.01	1/2	3,081.02	1/2	2,827.83	1/2	2,532.09	1/2	2,235.69	1/2	1,939.29
3/4		3/4		3/4		3/4	3,581.72	3/4	3,328.74	3/4	3,075.75	3/4	2,821.63	3/4	2,525.91	3/4	2,229.51	3/4	1,933.11
11	11	11	11	11	11	11	3,576.45	11	3,323.47	11	3,070.48	11	2,815.43	11	2,519.74	11	2,223.34	11	1,926.94
1/4		1/4		1/4		1/4	3,571.18	1/4	3,318.19	1/4	3,065.21	1/4	2,809.24	1/4	2,513.56	1/4	2,217.16	1/4	1,920.76
1/2		1/2		1/2		1/2	3,565.91	1/2	3,312.92	1/2	3,059.94	1/2	2,803.04	1/2	2,507.39	1/2	2,210.99	1/2	1,914.59
3/4		3/4		3/4		3/4	3,560.64	3/4	3,307.65	3/4	3,054.66	3/4	2,796.88	3/4	2,501.21	3/4	2,204.81	3/4	1,908.41

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 10120"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,902.24	0	1,605.62	0	1,308.81	0	1,012.00	0	721.03	0	424.29	0	127.27	0		0		0	
1/4	1,896.06	1/4	1,599.44	1/4	1,302.63	1/4	1,005.82	1/4	714.94	1/4	418.11	1/4	121.09	1/4		1/4		1/4	
1/2	1,889.89	1/2	1,593.26	1/2	1,296.45	1/2	999.63	1/2	708.85	1/2	411.92	1/2	114.91	1/2		1/2		1/2	
3/4	1,883.71	3/4	1,587.08	3/4	1,290.26	3/4	993.45	3/4	702.68	3/4	405.73	3/4	108.75	3/4		3/4		3/4	
1	1,877.54	1	1,580.89	1	1,284.08	1	987.27	1	696.51	1	399.54	1	102.59	1		1		1	
1/4	1,871.36	1/4	1,574.71	1/4	1,277.90	1/4	981.08	1/4	690.35	1/4	393.35	1/4	96.43	1/4		1/4		1/4	
1/2	1,865.19	1/2	1,568.53	1/2	1,271.71	1/2	974.90	1/2	684.18	1/2	387.17	1/2	90.27	1/2		1/2		1/2	
3/4	1,859.01	3/4	1,562.34	3/4	1,265.53	3/4	968.78	3/4	677.99	3/4	380.98	3/4	84.14	3/4		3/4		3/4	
2	1,852.84	2	1,556.16	2	1,259.35	2	962.66	2	671.80	2	374.79	2	78.01	2		2		2	
1/4	1,846.66	1/4	1,549.97	1/4	1,253.16	1/4	956.54	1/4	665.62	1/4	368.60	1/4	71.88	1/4		1/4		1/4	
1/2	1,840.49	1/2	1,543.79	1/2	1,246.98	1/2	950.42	1/2	659.43	1/2	362.41	1/2	65.76	1/2		1/2		1/2	
3/4	1,834.31	3/4	1,537.61	3/4	1,240.79	3/4	944.36	3/4	653.24	3/4	356.23	3/4	59.68	3/4		3/4		3/4	
3	1,828.14	3	1,531.42	3	1,234.61	3	938.30	3	647.06	3	350.04	3	53.61	3		3		3	
1/4	1,821.96	1/4	1,525.24	1/4	1,228.43	1/4	932.24	1/4	640.87	1/4	343.85	1/4	47.54	1/4		1/4		1/4	
1/2	1,815.79	1/2	1,519.06	1/2	1,222.24	1/2	926.19	1/2	634.68	1/2	337.66	1/2	41.47	1/2		1/2		1/2	
3/4	1,809.61	3/4	1,512.87	3/4	1,216.06	3/4	920.13	3/4	628.49	3/4	331.47	3/4	36.31	3/4		3/4		3/4	
4	1,803.42	4	1,506.69	4	1,209.88	4	914.07	4	622.31	4	325.29	4	31.16	4		4		4	
1/4	1,797.24	1/4	1,500.51	1/4	1,203.69	1/4	908.02	1/4	616.12	1/4	319.10	1/4	26.00	1/4		1/4		1/4	
1/2	1,791.06	1/2	1,494.32	1/2	1,197.51	1/2	901.96	1/2	609.93	1/2	312.91	1/2	20.84	1/2		1/2		1/2	
3/4	1,784.87	3/4	1,488.14	3/4	1,191.33	3/4	895.92	3/4	603.74	3/4	306.72	3/4	17.74	3/4		3/4		3/4	
5	1,778.69	5	1,481.95	5	1,185.14	5	889.88	5	597.55	5	300.54	5	14.64	5		5		5	
1/4	1,772.50	1/4	1,475.77	1/4	1,178.96	1/4	883.84	1/4	591.37	1/4	294.35	1/4	11.54	1/4		1/4		1/4	
1/2	1,766.32	1/2	1,469.59	1/2	1,172.77	1/2	877.79	1/2	585.18	1/2	288.16	1/2	8.44	1/2		1/2		1/2	
3/4	1,760.14	3/4	1,463.40	3/4	1,166.59	3/4	871.77	3/4	578.99	3/4	281.97	3/4	7.41	3/4		3/4		3/4	
6	1,753.95	6	1,457.22	6	1,160.41	6	865.75	6	572.80	6	275.78	6	6.38	6		6		6	
1/4	1,747.77	1/4	1,451.04	1/4	1,154.22	1/4	859.72	1/4	566.62	1/4	269.60	1/4	5.34	1/4		1/4		1/4	
1/2	1,741.59	1/2	1,444.85	1/2	1,148.04	1/2	853.70	1/2	560.43	1/2	263.41	1/2	4.31	1/2		1/2		1/2	
3/4	1,735.41	3/4	1,438.67	3/4	1,141.86	3/4	847.67	3/4	554.24	3/4	257.22	3/4		3/4		3/4		3/4	
7	1,729.22	7	1,432.49	7	1,135.67	7	841.65	7	548.05	7	251.03	7		7		7		7	
1/4	1,723.04	1/4	1,426.30	1/4	1,129.49	1/4	835.62	1/4	541.86	1/4	244.84	1/4		1/4		1/4		1/4	
1/2	1,716.86	1/2	1,420.12	1/2	1,123.31	1/2	829.60	1/2	535.68	1/2	238.66	1/2		1/2		1/2		1/2	
3/4	1,710.68	3/4	1,413.94	3/4	1,117.12	3/4	823.57	3/4	529.49	3/4	232.47	3/4		3/4		3/4		3/4	
8	1,704.50	8	1,407.75	8	1,110.94	8	817.55	8	523.30	8	226.28	8		8		8		8	
1/4	1,698.32	1/4	1,401.57	1/4	1,104.76	1/4	811.53	1/4	517.11	1/4	220.09	1/4		1/4		1/4		1/4	
1/2	1,692.14	1/2	1,395.38	1/2	1,098.57	1/2	805.50	1/2	510.92	1/2	213.90	1/2		1/2		1/2		1/2	
3/4	1,685.96	3/4	1,389.20	3/4	1,092.39	3/4	799.48	3/4	504.74	3/4	207.72	3/4		3/4		3/4		3/4	
9	1,679.78	9	1,383.02	9	1,086.20	9	793.45	9	498.55	9	201.53	9		9		9		9	
1/4	1,673.60	1/4	1,376.83	1/4	1,080.02	1/4	787.43	1/4	492.36	1/4	195.34	1/4		1/4		1/4		1/4	
1/2	1,667.42	1/2	1,370.65	1/2	1,073.84	1/2	781.40	1/2	486.17	1/2	189.15	1/2		1/2		1/2		1/2	
3/4	1,661.24	3/4	1,364.47	3/4	1,067.65	3/4	775.38	3/4	479.98	3/4	182.97	3/4		3/4		3/4		3/4	
10	1,655.06	10	1,358.28	10	1,061.47	10	769.35	10	473.80	10	176.78	10		10		10		10	
1/4	1,648.88	1/4	1,352.10	1/4	1,055.29	1/4	763.33	1/4	467.61	1/4	170.59	1/4		1/4		1/4		1/4	
1/2	1,642.70	1/2	1,345.92	1/2	1,049.10	1/2	757.30	1/2	461.42	1/2	164.40	1/2		1/2		1/2		1/2	
3/4	1,636.52	3/4	1,339.73	3/4	1,042.92	3/4	751.28	3/4	455.23	3/4	158.21	3/4		3/4		3/4		3/4	
11	1,630.34	11	1,333.55	11	1,036.74	11	745.26	11	449.04	11	152.02	11		11		11		11	
1/4	1,624.16	1/4	1,327.36	1/4	1,030.55	1/4	739.23	1/4	442.86	1/4	145.83	1/4		1/4		1/4		1/4	
1/2	1,617.98	1/2	1,321.18	1/2	1,024.37	1/2	733.21	1/2	436.67	1/2	139.63	1/2		1/2		1/2		1/2	
3/4	1,611.80	3/4	1,315.00	3/4	1,018.18	3/4	727.12	3/4	430.48	3/4	133.45	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/09/2014 SW
CALCULATED: 04/09/2014 CL
PRINTED: 04/09/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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



BARGE "KIRBY 10120"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

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	3,261.30	0	2,999.31	0	2,737.32	0	2,474.92	0	2,211.52	0	1,948.12
1/4		1/4		1/4		1/4		1/4	3,255.85	1/4	2,993.85	1/4	2,731.86	1/4	2,469.43	1/4	2,206.03	1/4	1,942.64
1/2		1/2		1/2		1/2	3,477.14	1/2	3,250.39	1/2	2,988.39	1/2	2,726.40	1/2	2,463.94	1/2	2,200.55	1/2	1,937.15
3/4		3/4		3/4		3/4	3,476.22	3/4	3,244.93	3/4	2,982.94	3/4	2,720.94	3/4	2,458.45	3/4	2,195.06	3/4	1,931.66
1		1		1		1	3,475.31	1	3,239.47	1	2,977.48	1	2,715.48	1	2,452.97	1	2,189.57	1	1,926.18
1/4		1/4		1/4		1/4	3,474.39	1/4	3,234.01	1/4	2,972.02	1/4	2,710.03	1/4	2,447.48	1/4	2,184.08	1/4	1,920.69
1/2		1/2		1/2		1/2	3,473.48	1/2	3,228.56	1/2	2,966.56	1/2	2,704.57	1/2	2,441.99	1/2	2,178.60	1/2	1,915.20
3/4		3/4		3/4		3/4	3,470.73	3/4	3,223.10	3/4	2,961.10	3/4	2,699.11	3/4	2,436.50	3/4	2,173.11	3/4	1,909.71
2		2		2		2	3,467.99	2	3,217.64	2	2,955.65	2	2,693.65	2	2,431.02	2	2,167.62	2	1,904.23
1/4		1/4		1/4		1/4	3,465.24	1/4	3,212.18	1/4	2,950.19	1/4	2,688.19	1/4	2,425.53	1/4	2,162.13	1/4	1,898.74
1/2		1/2		1/2		1/2	3,462.50	1/2	3,206.72	1/2	2,944.73	1/2	2,682.74	1/2	2,420.04	1/2	2,156.65	1/2	1,893.25
3/4		3/4		3/4		3/4	3,458.05	3/4	3,201.26	3/4	2,939.27	3/4	2,677.28	3/4	2,414.55	3/4	2,151.16	3/4	1,887.76
3		3		3		3	3,453.60	3	3,195.81	3	2,933.81	3	2,671.82	3	2,409.07	3	2,145.67	3	1,882.28
1/4		1/4		1/4		1/4	3,449.16	1/4	3,190.35	1/4	2,928.35	1/4	2,666.36	1/4	2,403.58	1/4	2,140.18	1/4	1,876.79
1/2		1/2		1/2		1/2	3,444.71	1/2	3,184.89	1/2	2,922.90	1/2	2,660.90	1/2	2,398.09	1/2	2,134.70	1/2	1,871.30
3/4		3/4		3/4		3/4	3,439.39	3/4	3,179.43	3/4	2,917.44	3/4	2,655.44	3/4	2,392.60	3/4	2,129.21	3/4	1,865.81
4		4		4		4	3,434.08	4	3,173.97	4	2,911.98	4	2,649.99	4	2,387.12	4	2,123.72	4	1,860.33
1/4		1/4		1/4		1/4	3,428.76	1/4	3,168.52	1/4	2,906.52	1/4	2,644.53	1/4	2,381.63	1/4	2,118.23	1/4	1,854.84
1/2		1/2		1/2		1/2	3,423.44	1/2	3,163.06	1/2	2,901.06	1/2	2,639.07	1/2	2,376.14	1/2	2,112.75	1/2	1,849.35
3/4		3/4		3/4		3/4	3,418.09	3/4	3,157.60	3/4	2,895.61	3/4	2,633.61	3/4	2,370.65	3/4	2,107.26	3/4	1,843.86
5		5		5		5	3,412.74	5	3,152.14	5	2,890.15	5	2,628.15	5	2,365.17	5	2,101.77	5	1,838.38
1/4		1/4		1/4		1/4	3,407.39	1/4	3,146.68	1/4	2,884.69	1/4	2,622.70	1/4	2,359.68	1/4	2,096.28	1/4	1,832.89
1/2		1/2		1/2		1/2	3,402.04	1/2	3,141.22	1/2	2,879.23	1/2	2,617.24	1/2	2,354.19	1/2	2,090.80	1/2	1,827.40
3/4		3/4		3/4		3/4	3,396.68	3/4	3,135.77	3/4	2,873.77	3/4	2,611.78	3/4	2,348.70	3/4	2,085.31	3/4	1,821.91
6		6		6		6	3,391.31	6	3,130.31	6	2,868.31	6	2,606.32	6	2,343.22	6	2,079.82	6	1,816.43
1/4		1/4		1/4		1/4	3,385.95	1/4	3,124.85	1/4	2,862.86	1/4	2,600.86	1/4	2,337.73	1/4	2,074.33	1/4	1,810.94
1/2		1/2		1/2		1/2	3,380.59	1/2	3,119.39	1/2	2,857.40	1/2	2,595.40	1/2	2,332.24	1/2	2,068.85	1/2	1,805.45
3/4		3/4		3/4		3/4	3,375.23	3/4	3,113.93	3/4	2,851.94	3/4	2,589.95	3/4	2,326.76	3/4	2,063.36	3/4	1,799.96
7		7		7		7	3,369.87	7	3,108.48	7	2,846.48	7	2,584.49	7	2,321.27	7	2,057.87	7	1,794.48
1/4		1/4		1/4		1/4	3,364.51	1/4	3,103.02	1/4	2,841.02	1/4	2,579.03	1/4	2,315.78	1/4	2,052.39	1/4	1,788.99
1/2		1/2		1/2		1/2	3,359.15	1/2	3,097.56	1/2	2,835.57	1/2	2,573.57	1/2	2,310.29	1/2	2,046.90	1/2	1,783.50
3/4		3/4		3/4		3/4	3,353.80	3/4	3,092.10	3/4	2,830.11	3/4	2,568.11	3/4	2,304.81	3/4	2,041.41	3/4	1,778.02
8		8		8		8	3,348.44	8	3,086.64	8	2,824.65	8	2,562.66	8	2,299.32	8	2,035.92	8	1,772.53
1/4		1/4		1/4		1/4	3,343.08	1/4	3,081.18	1/4	2,819.19	1/4	2,557.20	1/4	2,293.83	1/4	2,030.44	1/4	1,767.04
1/2		1/2		1/2		1/2	3,337.72	1/2	3,075.73	1/2	2,813.73	1/2	2,551.74	1/2	2,288.34	1/2	2,024.95	1/2	1,761.55
3/4		3/4		3/4		3/4	3,332.26	3/4	3,070.27	3/4	2,808.27	3/4	2,546.25	3/4	2,282.86	3/4	2,019.46	3/4	1,756.07
9		9		9		9	3,326.80	9	3,064.81	9	2,802.82	9	2,540.76	9	2,277.37	9	2,013.97	9	1,750.58
1/4		1/4		1/4		1/4	3,321.34	1/4	3,059.35	1/4	2,797.36	1/4	2,535.28	1/4	2,271.88	1/4	2,008.49	1/4	1,745.09
1/2		1/2		1/2		1/2	3,315.89	1/2	3,053.89	1/2	2,791.90	1/2	2,529.79	1/2	2,266.39	1/2	2,003.00	1/2	1,739.60
3/4		3/4		3/4		3/4	3,310.43	3/4	3,048.43	3/4	2,786.44	3/4	2,524.30	3/4	2,260.91	3/4	1,997.51	3/4	1,734.12
10		10		10		10	3,304.97	10	3,042.98	10	2,780.98	10	2,518.81	10	2,255.42	10	1,992.02	10	1,728.63
1/4		1/4		1/4		1/4	3,299.51	1/4	3,037.52	1/4	2,775.52	1/4	2,513.33	1/4	2,249.93	1/4	1,986.54	1/4	1,723.14
1/2		1/2		1/2		1/2	3,294.05	1/2	3,032.06	1/2	2,770.07	1/2	2,507.84	1/2	2,244.44	1/2	1,981.05	1/2	1,717.65
3/4		3/4		3/4		3/4	3,288.60	3/4	3,026.60	3/4	2,764.61	3/4	2,502.35	3/4	2,238.96	3/4	1,975.56	3/4	1,712.17
11		11		11		11	3,283.14	11	3,021.14	11	2,759.15	11	2,496.86	11	2,233.47	11	1,970.07	11	1,706.68
1/4		1/4		1/4		1/4	3,277.68	1/4	3,015.69	1/4	2,753.69	1/4	2,491.38	1/4	2,227.98	1/4	1,964.59	1/4	1,701.19
1/2		1/2		1/2		1/2	3,272.22	1/2	3,010.23	1/2	2,748.23	1/2	2,485.89	1/2	2,222.49	1/2	1,959.10	1/2	1,695.70
3/4		3/4		3/4		3/4	3,266.76	3/4	3,004.77	3/4	2,742.78	3/4	2,480.40	3/4	2,217.01	3/4	1,953.61	3/4	1,690.22

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 10120"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,684.73	0	1,421.33	0	1,157.78	0	895.91	0	636.52	0	373.06	0	109.58	0		0		0	
1/4	1,679.24	1/4	1,415.85	1/4	1,152.29	1/4	890.51	1/4	631.07	1/4	367.57	1/4	104.10	1/4		1/4		1/4	
1/2	1,673.75	1/2	1,410.36	1/2	1,146.80	1/2	885.10	1/2	625.62	1/2	362.08	1/2	98.63	1/2		1/2		1/2	
3/4	1,668.27	3/4	1,404.87	3/4	1,141.31	3/4	879.69	3/4	620.13	3/4	356.59	3/4	93.17	3/4		3/4		3/4	
1	1,662.78	1	1,399.38	1	1,135.81	1	874.29	1	614.64	1	351.10	1	87.72	1		1		1	
1/4	1,657.29	1/4	1,393.89	1/4	1,130.32	1/4	868.88	1/4	609.15	1/4	345.61	1/4	82.26	1/4		1/4		1/4	
1/2	1,651.81	1/2	1,388.40	1/2	1,124.83	1/2	863.48	1/2	603.66	1/2	340.12	1/2	76.81	1/2		1/2		1/2	
3/4	1,646.32	3/4	1,382.90	3/4	1,119.34	3/4	858.07	3/4	598.17	3/4	334.63	3/4	71.38	3/4		3/4		3/4	
2	1,640.83	2	1,377.41	2	1,113.85	2	852.66	2	592.68	2	329.14	2	65.95	2		2		2	
1/4	1,635.34	1/4	1,371.92	1/4	1,108.36	1/4	847.26	1/4	587.19	1/4	323.65	1/4	60.52	1/4		1/4		1/4	
1/2	1,629.86	1/2	1,366.43	1/2	1,102.87	1/2	841.85	1/2	581.70	1/2	318.16	1/2	55.10	1/2		1/2		1/2	
3/4	1,624.37	3/4	1,360.94	3/4	1,097.38	3/4	836.45	3/4	576.21	3/4	312.67	3/4	49.72	3/4		3/4		3/4	
3	1,618.88	3	1,355.45	3	1,091.89	3	831.04	3	570.72	3	307.18	3	44.34	3		3		3	
1/4	1,613.39	1/4	1,349.96	1/4	1,086.40	1/4	825.63	1/4	565.23	1/4	301.68	1/4	38.96	1/4		1/4		1/4	
1/2	1,607.91	1/2	1,344.47	1/2	1,080.91	1/2	820.23	1/2	559.74	1/2	296.19	1/2	33.59	1/2		1/2		1/2	
3/4	1,602.42	3/4	1,338.98	3/4	1,075.41	3/4	814.83	3/4	554.25	3/4	290.70	3/4	29.02	3/4		3/4		3/4	
4	1,596.93	4	1,333.49	4	1,069.92	4	809.43	4	548.76	4	285.21	4	24.45	4		4		4	
1/4	1,591.44	1/4	1,328.00	1/4	1,064.43	1/4	804.03	1/4	543.27	1/4	279.72	1/4	19.89	1/4		1/4		1/4	
1/2	1,585.96	1/2	1,322.51	1/2	1,058.94	1/2	798.63	1/2	537.78	1/2	274.23	1/2	15.32	1/2		1/2		1/2	
3/4	1,580.47	3/4	1,317.01	3/4	1,053.45	3/4	793.22	3/4	532.29	3/4	268.74	3/4	12.57	3/4		3/4		3/4	
5	1,574.98	5	1,311.52	5	1,047.96	5	787.82	5	526.80	5	263.25	5	9.83	5		5		5	
1/4	1,569.49	1/4	1,306.03	1/4	1,042.47	1/4	782.42	1/4	521.30	1/4	257.76	1/4	7.08	1/4		1/4		1/4	
1/2	1,564.01	1/2	1,300.54	1/2	1,036.98	1/2	777.02	1/2	515.81	1/2	252.27	1/2	4.34	1/2		1/2		1/2	
3/4	1,558.52	3/4	1,295.05	3/4	1,031.49	3/4	771.62	3/4	510.32	3/4	246.78	3/4	3.42	3/4		3/4		3/4	
6	1,553.03	6	1,289.56	6	1,026.00	6	766.22	6	504.83	6	241.29	6	2.51	6		6		6	
1/4	1,547.54	1/4	1,284.07	1/4	1,020.51	1/4	760.82	1/4	499.34	1/4	235.80	1/4	1.59	1/4		1/4		1/4	
1/2	1,542.06	1/2	1,278.58	1/2	1,015.01	1/2	755.42	1/2	493.85	1/2	230.31	1/2	0.68	1/2		1/2		1/2	
3/4	1,536.57	3/4	1,273.09	3/4	1,009.57	3/4	750.02	3/4	488.36	3/4	224.82	3/4		3/4		3/4		3/4	
7	1,531.08	7	1,267.60	7	1,004.12	7	744.62	7	482.87	7	219.33	7		7		7		7	
1/4	1,525.59	1/4	1,262.11	1/4	998.67	1/4	739.22	1/4	477.38	1/4	213.84	1/4		1/4		1/4		1/4	
1/2	1,520.11	1/2	1,256.61	1/2	993.22	1/2	733.82	1/2	471.89	1/2	208.35	1/2		1/2		1/2		1/2	
3/4	1,514.62	3/4	1,251.12	3/4	987.81	3/4	728.42	3/4	466.40	3/4	202.86	3/4		3/4		3/4		3/4	
8	1,509.13	8	1,245.63	8	982.41	8	723.02	8	460.91	8	197.37	8		8		8		8	
1/4	1,503.65	1/4	1,240.14	1/4	977.00	1/4	717.61	1/4	455.42	1/4	191.87	1/4		1/4		1/4		1/4	
1/2	1,498.16	1/2	1,234.65	1/2	971.60	1/2	712.21	1/2	449.93	1/2	186.38	1/2		1/2		1/2		1/2	
3/4	1,492.67	3/4	1,229.16	3/4	966.19	3/4	706.81	3/4	444.44	3/4	180.89	3/4		3/4		3/4		3/4	
9	1,487.18	9	1,223.67	9	960.78	9	701.41	9	438.95	9	175.40	9		9		9		9	
1/4	1,481.70	1/4	1,218.18	1/4	955.38	1/4	696.01	1/4	433.46	1/4	169.91	1/4		1/4		1/4		1/4	
1/2	1,476.21	1/2	1,212.69	1/2	949.97	1/2	690.61	1/2	427.97	1/2	164.42	1/2		1/2		1/2		1/2	
3/4	1,470.72	3/4	1,207.20	3/4	944.57	3/4	685.21	3/4	422.48	3/4	158.93	3/4		3/4		3/4		3/4	
10	1,465.23	10	1,201.71	10	939.16	10	679.81	10	416.99	10	153.44	10		10		10		10	
1/4	1,459.75	1/4	1,196.21	1/4	933.75	1/4	674.41	1/4	411.49	1/4	147.95	1/4		1/4		1/4		1/4	
1/2	1,454.26	1/2	1,190.72	1/2	928.35	1/2	669.01	1/2	406.00	1/2	142.46	1/2		1/2		1/2		1/2	
3/4	1,448.77	3/4	1,185.23	3/4	922.94	3/4	663.61	3/4	400.51	3/4	136.98	3/4		3/4		3/4		3/4	
11	1,443.28	11	1,179.74	11	917.54	11	658.21	11	395.02	11	131.49	11		11		11		11	
1/4	1,437.80	1/4	1,174.25	1/4	912.13	1/4	652.81	1/4	389.53	1/4	126.01	1/4		1/4		1/4		1/4	
1/2	1,432.31	1/2	1,168.76	1/2	906.72	1/2	647.41	1/2	384.04	1/2	120.52	1/2		1/2		1/2		1/2	
3/4	1,426.82	3/4	1,163.27	3/4	901.32	3/4	641.96	3/4	378.55	3/4	115.05	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/09/2014 SW
CALCULATED: 04/09/2014 CL
PRINTED: 04/09/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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



BARGE "KIRBY 10120"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	3,248.87	0	2,989.10	0	2,729.32	0	2,469.20	0	2,208.02	0	1,946.85
1/4		1/4		1/4		1/4		1/4	3,243.46	1/4	2,983.69	1/4	2,723.91	1/4	2,463.75	1/4	2,202.58	1/4	1,941.41
1/2		1/2		1/2		1/2		1/2	3,238.05	1/2	2,978.27	1/2	2,718.50	1/2	2,458.31	1/2	2,197.14	1/2	1,935.97
3/4		3/4		3/4		3/4		3/4	3,232.64	3/4	2,972.86	3/4	2,713.09	3/4	2,452.87	3/4	2,191.70	3/4	1,930.53
1		1		1		1	3,452.05	1	3,227.23	1	2,967.45	1	2,707.67	1	2,447.43	1	2,186.26	1	1,925.09
1/4		1/4		1/4		1/4	3,451.14	1/4	3,221.81	1/4	2,962.04	1/4	2,702.26	1/4	2,441.99	1/4	2,180.82	1/4	1,919.64
1/2		1/2		1/2		1/2	3,450.23	1/2	3,216.40	1/2	2,956.63	1/2	2,696.85	1/2	2,436.55	1/2	2,175.38	1/2	1,914.20
3/4		3/4		3/4		3/4	3,449.33	3/4	3,210.99	3/4	2,951.21	3/4	2,691.44	3/4	2,431.11	3/4	2,169.94	3/4	1,908.76
2		2		2		2	3,448.42	2	3,205.58	2	2,945.80	2	2,686.03	2	2,425.67	2	2,164.49	2	1,903.32
1/4		1/4		1/4		1/4	3,445.70	1/4	3,200.17	1/4	2,940.39	1/4	2,680.61	1/4	2,420.23	1/4	2,159.05	1/4	1,897.88
1/2		1/2		1/2		1/2	3,442.97	1/2	3,194.75	1/2	2,934.98	1/2	2,675.20	1/2	2,414.78	1/2	2,153.61	1/2	1,892.44
3/4		3/4		3/4		3/4	3,440.25	3/4	3,189.34	3/4	2,929.57	3/4	2,669.79	3/4	2,409.34	3/4	2,148.17	3/4	1,887.00
3		3		3		3	3,437.53	3	3,183.93	3	2,924.15	3	2,664.38	3	2,403.90	3	2,142.73	3	1,881.56
1/4		1/4		1/4		1/4	3,433.12	1/4	3,178.52	1/4	2,918.74	1/4	2,658.97	1/4	2,398.46	1/4	2,137.29	1/4	1,876.12
1/2		1/2		1/2		1/2	3,428.71	1/2	3,173.11	1/2	2,913.33	1/2	2,653.55	1/2	2,393.02	1/2	2,131.85	1/2	1,870.67
3/4		3/4		3/4		3/4	3,424.31	3/4	3,167.69	3/4	2,907.92	3/4	2,648.14	3/4	2,387.58	3/4	2,126.41	3/4	1,865.23
4		4		4		4	3,419.90	4	3,162.28	4	2,902.51	4	2,642.73	4	2,382.14	4	2,120.97	4	1,859.79
1/4		1/4		1/4		1/4	3,414.62	1/4	3,156.87	1/4	2,897.09	1/4	2,637.32	1/4	2,376.70	1/4	2,115.52	1/4	1,854.35
1/2		1/2		1/2		1/2	3,409.35	1/2	3,151.46	1/2	2,891.68	1/2	2,631.91	1/2	2,371.26	1/2	2,110.08	1/2	1,848.91
3/4		3/4		3/4		3/4	3,404.08	3/4	3,146.05	3/4	2,886.27	3/4	2,626.49	3/4	2,365.82	3/4	2,104.64	3/4	1,843.47
5		5		5		5	3,398.81	5	3,140.63	5	2,880.86	5	2,621.08	5	2,360.37	5	2,099.20	5	1,838.03
1/4		1/4		1/4		1/4	3,393.50	1/4	3,135.22	1/4	2,875.45	1/4	2,615.67	1/4	2,354.93	1/4	2,093.76	1/4	1,832.59
1/2		1/2		1/2		1/2	3,388.20	1/2	3,129.81	1/2	2,870.03	1/2	2,610.26	1/2	2,349.49	1/2	2,088.32	1/2	1,827.15
3/4		3/4		3/4		3/4	3,382.89	3/4	3,124.40	3/4	2,864.62	3/4	2,604.85	3/4	2,344.05	3/4	2,082.88	3/4	1,821.71
6		6		6		6	3,377.59	6	3,118.99	6	2,859.21	6	2,599.43	6	2,338.61	6	2,077.44	6	1,816.26
1/4		1/4		1/4		1/4	3,372.27	1/4	3,113.57	1/4	2,853.80	1/4	2,594.02	1/4	2,333.17	1/4	2,072.00	1/4	1,810.82
1/2		1/2		1/2		1/2	3,366.95	1/2	3,108.16	1/2	2,848.39	1/2	2,588.61	1/2	2,327.73	1/2	2,066.55	1/2	1,805.38
3/4		3/4		3/4		3/4	3,361.63	3/4	3,102.75	3/4	2,842.97	3/4	2,583.20	3/4	2,322.29	3/4	2,061.11	3/4	1,799.94
7		7		7		7	3,356.31	7	3,097.34	7	2,837.56	7	2,577.79	7	2,316.85	7	2,055.67	7	1,794.50
1/4		1/4		1/4		1/4	3,351.00	1/4	3,091.93	1/4	2,832.15	1/4	2,572.37	1/4	2,311.40	1/4	2,050.23	1/4	1,789.06
1/2		1/2		1/2		1/2	3,345.69	1/2	3,086.51	1/2	2,826.74	1/2	2,566.96	1/2	2,305.96	1/2	2,044.79	1/2	1,783.62
3/4		3/4		3/4		3/4	3,340.38	3/4	3,081.10	3/4	2,821.33	3/4	2,561.55	3/4	2,300.52	3/4	2,039.35	3/4	1,778.18
8		8		8		8	3,335.07	8	3,075.69	8	2,815.91	8	2,556.14	8	2,295.08	8	2,033.91	8	1,772.74
1/4		1/4		1/4		1/4	3,329.75	1/4	3,070.28	1/4	2,810.50	1/4	2,550.73	1/4	2,289.64	1/4	2,028.47	1/4	1,767.29
1/2		1/2		1/2		1/2	3,324.44	1/2	3,064.87	1/2	2,805.09	1/2	2,545.31	1/2	2,284.20	1/2	2,023.03	1/2	1,761.85
3/4		3/4		3/4		3/4	3,319.13	3/4	3,059.45	3/4	2,799.68	3/4	2,539.90	3/4	2,278.76	3/4	2,017.58	3/4	1,756.41
9		9		9		9	3,313.82	9	3,054.04	9	2,794.27	9	2,534.49	9	2,273.32	9	2,012.14	9	1,750.97
1/4		1/4		1/4		1/4	3,308.41	1/4	3,048.63	1/4	2,788.85	1/4	2,529.05	1/4	2,267.88	1/4	2,006.70	1/4	1,745.53
1/2		1/2		1/2		1/2	3,302.99	1/2	3,043.22	1/2	2,783.44	1/2	2,523.61	1/2	2,262.43	1/2	2,001.26	1/2	1,740.09
3/4		3/4		3/4		3/4	3,297.58	3/4	3,037.81	3/4	2,778.03	3/4	2,518.17	3/4	2,256.99	3/4	1,995.82	3/4	1,734.65
10		10		10		10	3,292.17	10	3,032.39	10	2,772.62	10	2,512.72	10	2,251.55	10	1,990.38	10	1,729.21
1/4		1/4		1/4		1/4	3,286.76	1/4	3,026.98	1/4	2,767.21	1/4	2,507.28	1/4	2,246.11	1/4	1,984.94	1/4	1,723.77
1/2		1/2		1/2		1/2	3,281.35	1/2	3,021.57	1/2	2,761.79	1/2	2,501.84	1/2	2,240.67	1/2	1,979.50	1/2	1,718.32
3/4		3/4		3/4		3/4	3,275.93	3/4	3,016.16	3/4	2,756.38	3/4	2,496.40	3/4	2,235.23	3/4	1,974.06	3/4	1,712.88
11		11		11		11	3,270.52	11	3,010.75	11	2,750.97	11	2,490.96	11	2,229.79	11	1,968.61	11	1,707.44
1/4		1/4		1/4		1/4	3,265.11	1/4	3,005.33	1/4	2,745.56	1/4	2,485.52	1/4	2,224.35	1/4	1,963.17	1/4	1,702.00
1/2		1/2		1/2		1/2	3,259.70	1/2	2,999.92	1/2	2,740.15	1/2	2,480.08	1/2	2,218.91	1/2	1,957.73	1/2	1,696.56
3/4		3/4		3/4		3/4	3,254.29	3/4	2,994.51	3/4	2,734.73	3/4	2,474.64	3/4	2,213.46	3/4	1,952.29	3/4	1,691.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 10120"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,685.68	0	1,424.50	0	1,163.18	0	902.56	0	642.12	0	380.81	0	119.51	0		0		0	
1/4	1,680.24	1/4	1,419.06	1/4	1,157.73	1/4	897.15	1/4	636.68	1/4	375.36	1/4	114.08	1/4		1/4		1/4	
1/2	1,674.80	1/2	1,413.62	1/2	1,152.29	1/2	891.75	1/2	631.24	1/2	369.92	1/2	108.66	1/2		1/2		1/2	
3/4	1,669.35	3/4	1,408.18	3/4	1,146.84	3/4	886.34	3/4	625.79	3/4	364.48	3/4	103.23	3/4		3/4		3/4	
1	1,663.91	1	1,402.74	1	1,141.40	1	880.93	1	620.35	1	359.03	1	97.80	1		1		1	
1/4	1,658.47	1/4	1,397.30	1/4	1,135.95	1/4	875.52	1/4	614.91	1/4	353.59	1/4	92.39	1/4		1/4		1/4	
1/2	1,653.03	1/2	1,391.85	1/2	1,130.51	1/2	870.11	1/2	609.46	1/2	348.14	1/2	86.98	1/2		1/2		1/2	
3/4	1,647.59	3/4	1,386.41	3/4	1,125.07	3/4	864.71	3/4	604.02	3/4	342.70	3/4	81.57	3/4		3/4		3/4	
2	1,642.15	2	1,380.96	2	1,119.62	2	859.30	2	598.58	2	337.26	2	76.16	2		2		2	
1/4	1,636.71	1/4	1,375.52	1/4	1,114.18	1/4	853.89	1/4	593.13	1/4	331.81	1/4	70.78	1/4		1/4		1/4	
1/2	1,631.27	1/2	1,370.07	1/2	1,108.73	1/2	848.48	1/2	587.69	1/2	326.37	1/2	65.40	1/2		1/2		1/2	
3/4	1,625.83	3/4	1,364.63	3/4	1,103.29	3/4	843.07	3/4	582.24	3/4	320.92	3/4	60.02	3/4		3/4		3/4	
3	1,620.38	3	1,359.18	3	1,097.84	3	837.66	3	576.80	3	315.48	3	54.64	3		3		3	
1/4	1,614.94	1/4	1,353.74	1/4	1,092.40	1/4	832.26	1/4	571.36	1/4	310.03	1/4	49.30	1/4		1/4		1/4	
1/2	1,609.50	1/2	1,348.29	1/2	1,086.95	1/2	826.85	1/2	565.91	1/2	304.59	1/2	43.97	1/2		1/2		1/2	
3/4	1,604.06	3/4	1,342.85	3/4	1,081.51	3/4	821.44	3/4	560.47	3/4	299.15	3/4	38.64	3/4		3/4		3/4	
4	1,598.62	4	1,337.41	4	1,076.06	4	816.03	4	555.02	4	293.70	4	33.31	4		4		4	
1/4	1,593.18	1/4	1,331.96	1/4	1,070.62	1/4	810.63	1/4	549.58	1/4	288.26	1/4	28.78	1/4		1/4		1/4	
1/2	1,587.74	1/2	1,326.52	1/2	1,065.18	1/2	805.22	1/2	544.14	1/2	282.81	1/2	24.25	1/2		1/2		1/2	
3/4	1,582.30	3/4	1,321.07	3/4	1,059.73	3/4	799.82	3/4	538.69	3/4	277.37	3/4	19.72	3/4		3/4		3/4	
5	1,576.86	5	1,315.63	5	1,054.29	5	794.42	5	533.25	5	271.93	5	15.19	5		5		5	
1/4	1,571.41	1/4	1,310.18	1/4	1,048.84	1/4	788.98	1/4	527.80	1/4	266.48	1/4	12.47	1/4		1/4		1/4	
1/2	1,565.97	1/2	1,304.74	1/2	1,043.40	1/2	783.54	1/2	522.36	1/2	261.04	1/2	9.75	1/2		1/2		1/2	
3/4	1,560.53	3/4	1,299.29	3/4	1,037.95	3/4	778.10	3/4	516.91	3/4	255.59	3/4	7.03	3/4		3/4		3/4	
6	1,555.09	6	1,293.85	6	1,032.51	6	772.66	6	511.47	6	250.15	6	4.31	6		6		6	
1/4	1,549.65	1/4	1,288.40	1/4	1,027.06	1/4	767.22	1/4	506.03	1/4	244.70	1/4	3.40	1/4		1/4		1/4	
1/2	1,544.21	1/2	1,282.96	1/2	1,021.62	1/2	761.78	1/2	500.58	1/2	239.26	1/2	2.49	1/2		1/2		1/2	
3/4	1,538.77	3/4	1,277.51	3/4	1,016.17	3/4	756.34	3/4	495.14	3/4	233.82	3/4	1.58	3/4		3/4		3/4	
7	1,533.33	7	1,272.07	7	1,010.73	7	750.90	7	489.69	7	228.37	7	0.68	7		7		7	
1/4	1,527.89	1/4	1,266.63	1/4	1,005.32	1/4	745.46	1/4	484.25	1/4	222.93	1/4		1/4		1/4		1/4	
1/2	1,522.44	1/2	1,261.18	1/2	999.91	1/2	740.03	1/2	478.80	1/2	217.48	1/2		1/2		1/2		1/2	
3/4	1,517.00	3/4	1,255.74	3/4	994.50	3/4	734.59	3/4	473.36	3/4	212.04	3/4		3/4		3/4		3/4	
8	1,511.56	8	1,250.29	8	989.10	8	729.15	8	467.92	8	206.59	8		8		8		8	
1/4	1,506.12	1/4	1,244.85	1/4	983.69	1/4	723.71	1/4	462.47	1/4	201.15	1/4		1/4		1/4		1/4	
1/2	1,500.68	1/2	1,239.40	1/2	978.28	1/2	718.27	1/2	457.03	1/2	195.71	1/2		1/2		1/2		1/2	
3/4	1,495.24	3/4	1,233.96	3/4	972.87	3/4	712.83	3/4	451.58	3/4	190.26	3/4		3/4		3/4		3/4	
9	1,489.80	9	1,228.51	9	967.46	9	707.39	9	446.14	9	184.82	9		9		9		9	
1/4	1,484.36	1/4	1,223.07	1/4	962.05	1/4	701.95	1/4	440.70	1/4	179.37	1/4		1/4		1/4		1/4	
1/2	1,478.92	1/2	1,217.62	1/2	956.65	1/2	696.51	1/2	435.25	1/2	173.93	1/2		1/2		1/2		1/2	
3/4	1,473.47	3/4	1,212.18	3/4	951.24	3/4	691.07	3/4	429.81	3/4	168.49	3/4		3/4		3/4		3/4	
10	1,468.03	10	1,206.73	10	945.83	10	685.63	10	424.36	10	163.04	10		10		10		10	
1/4	1,462.59	1/4	1,201.29	1/4	940.42	1/4	680.19	1/4	418.92	1/4	157.60	1/4		1/4		1/4		1/4	
1/2	1,457.15	1/2	1,195.85	1/2	935.01	1/2	674.76	1/2	413.47	1/2	152.15	1/2		1/2		1/2		1/2	
3/4	1,451.71	3/4	1,190.40	3/4	929.60	3/4	669.32	3/4	408.03	3/4	146.71	3/4		3/4		3/4		3/4	
11	1,446.27	11	1,184.96	11	924.20	11	663.88	11	402.59	11	141.27	11		11		11		11	
1/4	1,440.83	1/4	1,179.51	1/4	918.79	1/4	658.44	1/4	397.14	1/4	135.83	1/4		1/4		1/4		1/4	
1/2	1,435.39	1/2	1,174.07	1/2	913.38	1/2	653.00	1/2	391.70	1/2	130.39	1/2		1/2		1/2		1/2	
3/4	1,429.95	3/4	1,168.62	3/4	907.97	3/4	647.56	3/4	386.25	3/4	124.95	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/09/2014 SW
CALCULATED: 04/09/2014 CL
PRINTED: 04/09/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

PRECISION MEASUREMENT
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