



BARGE "KIRBY 10119"

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	00-3/8	- 00-3/8	00-1/2	- 00-1/2	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	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8

(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: 163'-06"

April 4, 2014

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

<http://www.pmacorp.net>



BARGE "KIRBY 10119"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

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	3,763.41	0	3,538.34	0	3,285.43	0	3,032.53	0	2,771.29	0	2,475.65	0	2,179.35
1/4		1/4		1/4		1/4	3,762.38	1/4	3,533.07	1/4	3,280.16	1/4	3,027.26	1/4	2,765.14	1/4	2,469.48	1/4	2,173.18
1/2		1/2		1/2		1/2	3,761.34	1/2	3,527.80	1/2	3,274.90	1/2	3,021.99	1/2	2,758.99	1/2	2,463.30	1/2	2,167.01
3/4		3/4		3/4		3/4	3,760.31	3/4	3,522.53	3/4	3,269.63	3/4	3,016.72	3/4	2,752.83	3/4	2,457.13	3/4	2,160.84
1	1	1	1	1	1	1	3,757.21	1	3,517.26	1	3,264.36	1	3,011.46	1	2,746.68	1	2,450.96	1	2,154.66
1/4		1/4		1/4		1/4	3,754.11	1/4	3,511.99	1/4	3,259.09	1/4	3,006.19	1/4	2,740.52	1/4	2,444.78	1/4	2,148.49
1/2		1/2		1/2		1/2	3,751.01	1/2	3,506.72	1/2	3,253.82	1/2	3,000.92	1/2	2,734.37	1/2	2,438.61	1/2	2,142.32
3/4		3/4		3/4		3/4	3,747.91	3/4	3,501.45	3/4	3,248.55	3/4	2,995.65	3/4	2,728.21	3/4	2,432.44	3/4	2,136.14
2	2	2	2	2	2	2	3,743.76	2	3,496.18	2	3,243.28	2	2,990.38	2	2,722.06	2	2,426.27	2	2,129.97
1/4		1/4		1/4		1/4	3,739.62	1/4	3,490.92	1/4	3,238.01	1/4	2,985.11	1/4	2,715.91	1/4	2,420.09	1/4	2,123.80
1/2		1/2		1/2		1/2	3,735.47	1/2	3,485.65	1/2	3,232.74	1/2	2,979.84	1/2	2,709.75	1/2	2,413.92	1/2	2,117.63
3/4		3/4		3/4		3/4	3,731.32	3/4	3,480.38	3/4	3,227.48	3/4	2,974.57	3/4	2,703.60	3/4	2,407.75	3/4	2,111.45
3	3	3	3	3	3	3	3,726.18	3	3,475.11	3	3,222.21	3	2,969.30	3	2,697.44	3	2,401.57	3	2,105.28
1/4		1/4		1/4		1/4	3,721.05	1/4	3,469.84	1/4	3,216.94	1/4	2,964.04	1/4	2,691.29	1/4	2,395.40	1/4	2,099.11
1/2		1/2		1/2		1/2	3,715.91	1/2	3,464.57	1/2	3,211.67	1/2	2,958.77	1/2	2,685.13	1/2	2,389.23	1/2	2,092.93
3/4		3/4		3/4		3/4	3,710.78	3/4	3,459.30	3/4	3,206.40	3/4	2,953.50	3/4	2,678.98	3/4	2,383.06	3/4	2,086.76
4	4	4	4	4	4	4	3,705.61	4	3,454.03	4	3,201.13	4	2,948.23	4	2,672.83	4	2,376.88	4	2,080.59
1/4		1/4		1/4		1/4	3,700.44	1/4	3,448.77	1/4	3,195.86	1/4	2,942.96	1/4	2,666.67	1/4	2,370.71	1/4	2,074.42
1/2		1/2		1/2		1/2	3,695.27	1/2	3,443.50	1/2	3,190.59	1/2	2,937.69	1/2	2,660.52	1/2	2,364.54	1/2	2,068.24
3/4		3/4		3/4		3/4	3,690.10	3/4	3,438.23	3/4	3,185.33	3/4	2,932.42	3/4	2,654.36	3/4	2,358.36	3/4	2,062.07
5	5	5	5	5	5	5	3,684.91	5	3,432.96	5	3,180.06	5	2,927.15	5	2,648.21	5	2,352.19	5	2,055.90
1/4		1/4		1/4		1/4	3,679.73	1/4	3,427.69	1/4	3,174.79	1/4	2,921.89	1/4	2,642.05	1/4	2,346.02	1/4	2,049.72
1/2		1/2		1/2		1/2	3,674.55	1/2	3,422.42	1/2	3,169.52	1/2	2,916.62	1/2	2,635.90	1/2	2,339.85	1/2	2,043.55
3/4		3/4		3/4		3/4	3,669.36	3/4	3,417.15	3/4	3,164.25	3/4	2,911.35	3/4	2,629.75	3/4	2,333.67	3/4	2,037.38
6	6	6	6	6	6	6	3,664.18	6	3,411.88	6	3,158.98	6	2,906.08	6	2,623.59	6	2,327.50	6	2,031.21
1/4		1/4		1/4		1/4	3,659.00	1/4	3,406.62	1/4	3,153.71	1/4	2,900.81	1/4	2,617.44	1/4	2,321.33	1/4	2,025.03
1/2		1/2		1/2		1/2	3,653.81	1/2	3,401.35	1/2	3,148.44	1/2	2,895.54	1/2	2,611.28	1/2	2,315.16	1/2	2,018.86
3/4		3/4		3/4		3/4	3,648.63	3/4	3,396.08	3/4	3,143.18	3/4	2,890.27	3/4	2,605.13	3/4	2,308.98	3/4	2,012.69
7	7	7	7	7	7	7	3,643.45	7	3,390.81	7	3,137.91	7	2,885.00	7	2,598.97	7	2,302.81	7	2,006.52
1/4		1/4		1/4		1/4	3,638.27	1/4	3,385.54	1/4	3,132.64	1/4	2,879.74	1/4	2,592.82	1/4	2,296.64	1/4	2,000.34
1/2		1/2		1/2		1/2	3,633.09	1/2	3,380.27	1/2	3,127.37	1/2	2,874.47	1/2	2,586.67	1/2	2,290.46	1/2	1,994.17
3/4		3/4		3/4		3/4	3,627.90	3/4	3,375.00	3/4	3,122.10	3/4	2,869.20	3/4	2,580.51	3/4	2,284.29	3/4	1,988.00
8	8	8	8	8	8	8	3,622.64	8	3,369.73	8	3,116.83	8	2,863.90	8	2,574.36	8	2,278.12	8	1,981.82
1/4		1/4		1/4		1/4	3,617.37	1/4	3,364.46	1/4	3,111.56	1/4	2,858.61	1/4	2,568.20	1/4	2,271.95	1/4	1,975.65
1/2		1/2		1/2		1/2	3,612.10	1/2	3,359.20	1/2	3,106.29	1/2	2,853.32	1/2	2,562.05	1/2	2,265.77	1/2	1,969.48
3/4		3/4		3/4		3/4	3,606.83	3/4	3,353.93	3/4	3,101.02	3/4	2,848.02	3/4	2,555.89	3/4	2,259.60	3/4	1,963.31
9	9	9	9	9	9	9	3,601.56	9	3,348.66	9	3,095.76	9	2,842.73	9	2,549.72	9	2,253.43	9	1,957.13
1/4		1/4		1/4		1/4	3,596.29	1/4	3,343.39	1/4	3,090.49	1/4	2,837.44	1/4	2,543.55	1/4	2,247.25	1/4	1,950.96
1/2		1/2		1/2		1/2	3,591.02	1/2	3,338.12	1/2	3,085.22	1/2	2,832.14	1/2	2,537.38	1/2	2,241.08	1/2	1,944.79
3/4		3/4		3/4		3/4	3,585.75	3/4	3,332.85	3/4	3,079.95	3/4	2,826.85	3/4	2,531.20	3/4	2,234.91	3/4	1,938.61
10	10	10	10	10	10	10	3,580.49	10	3,327.58	10	3,074.68	10	2,820.65	10	2,525.03	10	2,228.74	10	1,932.44
1/4		1/4		1/4		1/4	3,575.22	1/4	3,322.31	1/4	3,069.41	1/4	2,814.46	1/4	2,518.86	1/4	2,222.56	1/4	1,926.27
1/2		1/2		1/2		1/2	3,569.95	1/2	3,317.05	1/2	3,064.14	1/2	2,808.26	1/2	2,512.68	1/2	2,216.39	1/2	1,920.10
3/4		3/4		3/4		3/4	3,564.68	3/4	3,311.78	3/4	3,058.87	3/4	2,802.07	3/4	2,506.51	3/4	2,210.22	3/4	1,913.92
11	11	11	11	11	11	11	3,559.41	11	3,306.51	11	3,053.61	11	2,795.91	11	2,500.34	11	2,204.04	11	1,907.75
1/4		1/4		1/4		1/4	3,554.14	1/4	3,301.24	1/4	3,048.34	1/4	2,789.76	1/4	2,494.17	1/4	2,197.87	1/4	1,901.58
1/2		1/2		1/2		1/2	3,548.87	1/2	3,295.97	1/2	3,043.07	1/2	2,783.60	1/2	2,487.99	1/2	2,191.70	1/2	1,895.40
3/4		3/4		3/4		3/4	3,764.44	3/4	3,543.60	3/4	3,290.70	3/4	3,037.80	3/4	2,777.45	3/4	2,481.82	3/4	1,889.23

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.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 10119"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,883.06	0	1,586.52	0	1,289.81	0	993.11	0	702.44	0	405.59	0	108.71	0		0		0	
1/4	1,876.89	1/4	1,580.34	1/4	1,283.63	1/4	986.92	1/4	696.27	1/4	399.40	1/4	102.55	1/4		1/4		1/4	
1/2	1,870.71	1/2	1,574.16	1/2	1,277.45	1/2	980.74	1/2	690.11	1/2	393.22	1/2	96.39	1/2		1/2		1/2	
3/4	1,864.54	3/4	1,567.98	3/4	1,271.27	3/4	974.56	3/4	683.94	3/4	387.03	3/4	90.24	3/4		3/4		3/4	
1	1,858.37	1	1,561.79	1	1,265.09	1	968.44	1	677.75	1	380.84	1	84.11	1		1		1	
1/4	1,852.20	1/4	1,555.61	1/4	1,258.91	1/4	962.32	1/4	671.57	1/4	374.66	1/4	77.98	1/4		1/4		1/4	
1/2	1,846.02	1/2	1,549.43	1/2	1,252.72	1/2	956.21	1/2	665.38	1/2	368.47	1/2	71.86	1/2		1/2		1/2	
3/4	1,839.85	3/4	1,543.25	3/4	1,246.54	3/4	950.09	3/4	659.20	3/4	362.29	3/4	65.73	3/4		3/4		3/4	
2	1,833.68	2	1,537.07	2	1,240.36	2	944.03	2	653.01	2	356.10	2	59.66	2		2		2	
1/4	1,827.50	1/4	1,530.89	1/4	1,234.18	1/4	937.98	1/4	646.83	1/4	349.92	1/4	53.59	1/4		1/4		1/4	
1/2	1,821.33	1/2	1,524.71	1/2	1,228.00	1/2	931.92	1/2	640.64	1/2	343.73	1/2	47.52	1/2		1/2		1/2	
3/4	1,815.16	3/4	1,518.52	3/4	1,221.82	3/4	925.86	3/4	634.46	3/4	337.54	3/4	41.46	3/4		3/4		3/4	
3	1,808.98	3	1,512.34	3	1,215.64	3	919.81	3	628.27	3	331.36	3	36.30	3		3		3	
1/4	1,802.80	1/4	1,506.16	1/4	1,209.45	1/4	913.76	1/4	622.09	1/4	325.17	1/4	31.14	1/4		1/4		1/4	
1/2	1,796.61	1/2	1,499.98	1/2	1,203.27	1/2	907.70	1/2	615.90	1/2	318.99	1/2	25.99	1/2		1/2		1/2	
3/4	1,790.43	3/4	1,493.80	3/4	1,197.09	3/4	901.65	3/4	609.72	3/4	312.80	3/4	20.83	3/4		3/4		3/4	
4	1,784.25	4	1,487.62	4	1,190.91	4	895.61	4	603.53	4	306.62	4	17.74	4		4		4	
1/4	1,778.07	1/4	1,481.44	1/4	1,184.73	1/4	889.57	1/4	597.34	1/4	300.43	1/4	14.64	1/4		1/4		1/4	
1/2	1,771.89	1/2	1,475.25	1/2	1,178.55	1/2	883.53	1/2	591.16	1/2	294.24	1/2	11.54	1/2		1/2		1/2	
3/4	1,765.71	3/4	1,469.07	3/4	1,172.37	3/4	877.49	3/4	584.97	3/4	288.06	3/4	8.44	3/4		3/4		3/4	
5	1,759.53	5	1,462.89	5	1,166.18	5	871.47	5	578.79	5	281.87	5	7.41	5		5		5	
1/4	1,753.35	1/4	1,456.71	1/4	1,160.00	1/4	865.45	1/4	572.60	1/4	275.69	1/4	6.38	1/4		1/4		1/4	
1/2	1,747.17	1/2	1,450.53	1/2	1,153.82	1/2	859.42	1/2	566.42	1/2	269.50	1/2	5.34	1/2		1/2		1/2	
3/4	1,740.98	3/4	1,444.35	3/4	1,147.64	3/4	853.40	3/4	560.23	3/4	263.32	3/4	4.31	3/4		3/4		3/4	
6	1,734.80	6	1,438.17	6	1,141.46	6	847.38	6	554.04	6	257.13	6		6		6		6	
1/4	1,728.62	1/4	1,431.98	1/4	1,135.28	1/4	841.36	1/4	547.86	1/4	250.94	1/4		1/4		1/4		1/4	
1/2	1,722.44	1/2	1,425.80	1/2	1,129.10	1/2	835.33	1/2	541.67	1/2	244.76	1/2		1/2		1/2		1/2	
3/4	1,716.27	3/4	1,419.62	3/4	1,122.91	3/4	829.31	3/4	535.49	3/4	238.57	3/4		3/4		3/4		3/4	
7	1,710.09	7	1,413.44	7	1,116.73	7	823.29	7	529.30	7	232.39	7		7		7		7	
1/4	1,703.91	1/4	1,407.26	1/4	1,110.55	1/4	817.27	1/4	523.12	1/4	226.20	1/4		1/4		1/4		1/4	
1/2	1,697.73	1/2	1,401.08	1/2	1,104.37	1/2	811.24	1/2	516.93	1/2	220.02	1/2		1/2		1/2		1/2	
3/4	1,691.55	3/4	1,394.90	3/4	1,098.19	3/4	805.22	3/4	510.74	3/4	213.83	3/4		3/4		3/4		3/4	
8	1,685.37	8	1,388.72	8	1,092.01	8	799.20	8	504.56	8	207.64	8		8		8		8	
1/4	1,679.20	1/4	1,382.53	1/4	1,085.83	1/4	793.18	1/4	498.37	1/4	201.46	1/4		1/4		1/4		1/4	
1/2	1,673.02	1/2	1,376.35	1/2	1,079.65	1/2	787.15	1/2	492.19	1/2	195.27	1/2		1/2		1/2		1/2	
3/4	1,666.84	3/4	1,370.17	3/4	1,073.46	3/4	781.13	3/4	486.00	3/4	189.09	3/4		3/4		3/4		3/4	
9	1,660.66	9	1,363.99	9	1,067.28	9	775.11	9	479.82	9	182.90	9		9		9		9	
1/4	1,654.48	1/4	1,357.81	1/4	1,061.10	1/4	769.09	1/4	473.63	1/4	176.72	1/4		1/4		1/4		1/4	
1/2	1,648.31	1/2	1,351.63	1/2	1,054.92	1/2	763.06	1/2	467.44	1/2	170.53	1/2		1/2		1/2		1/2	
3/4	1,642.13	3/4	1,345.45	3/4	1,048.74	3/4	757.04	3/4	461.26	3/4	164.35	3/4		3/4		3/4		3/4	
10	1,635.95	10	1,339.26	10	1,042.56	10	751.02	10	455.07	10	158.16	10		10		10		10	
1/4	1,629.77	1/4	1,333.08	1/4	1,036.38	1/4	745.00	1/4	448.89	1/4	151.97	1/4		1/4		1/4		1/4	
1/2	1,623.59	1/2	1,326.90	1/2	1,030.19	1/2	738.98	1/2	442.70	1/2	145.77	1/2		1/2		1/2		1/2	
3/4	1,617.41	3/4	1,320.72	3/4	1,024.01	3/4	732.95	3/4	436.52	3/4	139.58	3/4		3/4		3/4		3/4	
11	1,611.24	11	1,314.54	11	1,017.83	11	726.87	11	430.33	11	133.40	11		11		11		11	
1/4	1,605.06	1/4	1,308.36	1/4	1,011.65	1/4	720.78	1/4	424.14	1/4	127.23	1/4		1/4		1/4		1/4	
1/2	1,598.88	1/2	1,302.18	1/2	1,005.47	1/2	714.69	1/2	417.96	1/2	121.05	1/2		1/2		1/2		1/2	
3/4	1,592.70	3/4	1,295.99	3/4	999.29	3/4	708.61	3/4	411.77	3/4	114.87	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/03/2014 CL
CALCULATED: 04/04/2014 CL
PRINTED: 04/04/2014 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 10119"

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	0	0	0	0	3,259.46	0	2,997.62	0	2,735.77	0	2,473.52	0	2,210.27	0	1,947.02
1/4		1/4		1/4		1/4		1/4	3,254.01	1/4	2,992.16	1/4	2,730.32	1/4	2,468.03	1/4	2,204.79	1/4	1,941.54
1/2		1/2		1/2		1/2	3,475.17	1/2	3,248.55	1/2	2,986.71	1/2	2,724.86	1/2	2,462.55	1/2	2,199.30	1/2	1,936.06
3/4		3/4		3/4		3/4	3,474.26	3/4	3,243.10	3/4	2,981.25	3/4	2,719.41	3/4	2,457.06	3/4	2,193.82	3/4	1,930.57
1	1	1	1	1	1	1	3,473.35	1	3,237.64	1	2,975.80	1	2,713.95	1	2,451.58	1	2,188.33	1	1,925.09
1/4		1/4		1/4		1/4	3,472.43	1/4	3,232.18	1/4	2,970.34	1/4	2,708.50	1/4	2,446.10	1/4	2,182.85	1/4	1,919.60
1/2		1/2		1/2		1/2	3,471.52	1/2	3,226.73	1/2	2,964.88	1/2	2,703.04	1/2	2,440.61	1/2	2,177.36	1/2	1,914.12
3/4		3/4		3/4		3/4	3,468.77	3/4	3,221.27	3/4	2,959.43	3/4	2,697.59	3/4	2,435.13	3/4	2,171.88	3/4	1,908.63
2	2	2	2	2	2	2	3,466.03	2	3,215.82	2	2,953.97	2	2,692.13	2	2,429.64	2	2,166.40	2	1,903.15
1/4		1/4		1/4		1/4	3,463.28	1/4	3,210.36	1/4	2,948.52	1/4	2,686.67	1/4	2,424.16	1/4	2,160.91	1/4	1,897.67
1/2		1/2		1/2		1/2	3,460.54	1/2	3,204.91	1/2	2,943.06	1/2	2,681.22	1/2	2,418.67	1/2	2,155.43	1/2	1,892.18
3/4		3/4		3/4		3/4	3,456.10	3/4	3,199.45	3/4	2,937.61	3/4	2,675.76	3/4	2,413.19	3/4	2,149.94	3/4	1,886.70
3	3	3	3	3	3	3	3,451.65	3	3,194.00	3	2,932.15	3	2,670.31	3	2,407.71	3	2,144.46	3	1,881.21
1/4		1/4		1/4		1/4	3,447.21	1/4	3,188.54	1/4	2,926.70	1/4	2,664.85	1/4	2,402.22	1/4	2,138.97	1/4	1,875.73
1/2		1/2		1/2		1/2	3,442.77	1/2	3,183.09	1/2	2,921.24	1/2	2,659.40	1/2	2,396.74	1/2	2,133.49	1/2	1,870.24
3/4		3/4		3/4		3/4	3,437.45	3/4	3,177.63	3/4	2,915.79	3/4	2,653.94	3/4	2,391.25	3/4	2,128.01	3/4	1,864.76
4	4	4	4	4	4	4	3,432.14	4	3,172.18	4	2,910.33	4	2,648.49	4	2,385.77	4	2,122.52	4	1,859.28
1/4		1/4		1/4		1/4	3,426.82	1/4	3,166.72	1/4	2,904.88	1/4	2,643.03	1/4	2,380.28	1/4	2,117.04	1/4	1,853.79
1/2		1/2		1/2		1/2	3,421.50	1/2	3,161.27	1/2	2,899.42	1/2	2,637.58	1/2	2,374.80	1/2	2,111.55	1/2	1,848.31
3/4		3/4		3/4		3/4	3,416.16	3/4	3,155.81	3/4	2,893.97	3/4	2,632.12	3/4	2,369.32	3/4	2,106.07	3/4	1,842.82
5	5	5	5	5	5	5	3,410.81	5	3,150.36	5	2,888.51	5	2,626.67	5	2,363.83	5	2,100.58	5	1,837.34
1/4		1/4		1/4		1/4	3,405.46	1/4	3,144.90	1/4	2,883.06	1/4	2,621.21	1/4	2,358.35	1/4	2,095.10	1/4	1,831.85
1/2		1/2		1/2		1/2	3,400.12	1/2	3,139.45	1/2	2,877.60	1/2	2,615.76	1/2	2,352.86	1/2	2,089.62	1/2	1,826.37
3/4		3/4		3/4		3/4	3,394.76	3/4	3,133.99	3/4	2,872.15	3/4	2,610.30	3/4	2,347.38	3/4	2,084.13	3/4	1,820.89
6	6	6	6	6	6	6	3,389.40	6	3,128.54	6	2,866.69	6	2,604.85	6	2,341.89	6	2,078.65	6	1,815.40
1/4		1/4		1/4		1/4	3,384.04	1/4	3,123.08	1/4	2,861.24	1/4	2,599.39	1/4	2,336.41	1/4	2,073.16	1/4	1,809.92
1/2		1/2		1/2		1/2	3,378.68	1/2	3,117.63	1/2	2,855.78	1/2	2,593.94	1/2	2,330.93	1/2	2,067.68	1/2	1,804.43
3/4		3/4		3/4		3/4	3,373.32	3/4	3,112.17	3/4	2,850.33	3/4	2,588.48	3/4	2,325.44	3/4	2,062.19	3/4	1,798.95
7	7	7	7	7	7	7	3,367.97	7	3,106.72	7	2,844.87	7	2,583.03	7	2,319.96	7	2,056.71	7	1,793.46
1/4		1/4		1/4		1/4	3,362.61	1/4	3,101.26	1/4	2,839.42	1/4	2,577.57	1/4	2,314.47	1/4	2,051.23	1/4	1,787.98
1/2		1/2		1/2		1/2	3,357.26	1/2	3,095.81	1/2	2,833.96	1/2	2,572.12	1/2	2,308.99	1/2	2,045.74	1/2	1,782.50
3/4		3/4		3/4		3/4	3,351.90	3/4	3,090.35	3/4	2,828.51	3/4	2,566.66	3/4	2,303.50	3/4	2,040.26	3/4	1,777.01
8	8	8	8	8	8	8	3,346.54	8	3,084.90	8	2,823.05	8	2,561.21	8	2,298.02	8	2,034.77	8	1,771.53
1/4		1/4		1/4		1/4	3,341.19	1/4	3,079.44	1/4	2,817.60	1/4	2,555.75	1/4	2,292.54	1/4	2,029.29	1/4	1,766.04
1/2		1/2		1/2		1/2	3,335.83	1/2	3,073.99	1/2	2,812.14	1/2	2,550.30	1/2	2,287.05	1/2	2,023.80	1/2	1,760.56
3/4		3/4		3/4		3/4	3,330.38	3/4	3,068.53	3/4	2,806.69	3/4	2,544.81	3/4	2,281.57	3/4	2,018.32	3/4	1,755.07
9	9	9	9	9	9	9	3,324.92	9	3,063.08	9	2,801.23	9	2,539.33	9	2,276.08	9	2,012.84	9	1,749.59
1/4		1/4		1/4		1/4	3,319.47	1/4	3,057.62	1/4	2,795.78	1/4	2,533.84	1/4	2,270.60	1/4	2,007.35	1/4	1,744.11
1/2		1/2		1/2		1/2	3,314.01	1/2	3,052.17	1/2	2,790.32	1/2	2,528.36	1/2	2,265.11	1/2	2,001.87	1/2	1,738.62
3/4		3/4		3/4		3/4	3,308.56	3/4	3,046.71	3/4	2,784.87	3/4	2,522.88	3/4	2,259.63	3/4	1,996.38	3/4	1,733.14
10	10	10	10	10	10	10	3,303.10	10	3,041.26	10	2,779.41	10	2,517.39	10	2,254.15	10	1,990.90	10	1,727.65
1/4		1/4		1/4		1/4	3,297.65	1/4	3,035.80	1/4	2,773.96	1/4	2,511.91	1/4	2,248.66	1/4	1,985.41	1/4	1,722.17
1/2		1/2		1/2		1/2	3,292.19	1/2	3,030.35	1/2	2,768.50	1/2	2,506.42	1/2	2,243.18	1/2	1,979.93	1/2	1,716.68
3/4		3/4		3/4		3/4	3,286.74	3/4	3,024.89	3/4	2,763.05	3/4	2,500.94	3/4	2,237.69	3/4	1,974.45	3/4	1,711.20
11	11	11	11	11	11	11	3,281.28	11	3,019.44	11	2,757.59	11	2,495.45	11	2,232.21	11	1,968.96	11	1,705.72
1/4		1/4		1/4		1/4	3,275.83	1/4	3,013.98	1/4	2,752.14	1/4	2,489.97	1/4	2,226.72	1/4	1,963.48	1/4	1,700.23
1/2		1/2		1/2		1/2	3,270.37	1/2	3,008.53	1/2	2,746.68	1/2	2,484.49	1/2	2,221.24	1/2	1,957.99	1/2	1,694.75
3/4		3/4		3/4		3/4	3,264.92	3/4	3,003.07	3/4	2,741.23	3/4	2,479.00	3/4	2,215.76	3/4	1,952.51	3/4	1,689.26

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'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 10119"

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	1,683.78	0	1,420.53	0	1,157.12	0	895.41	0	636.16	0	372.85	0	109.51	0		0		0	
1/4	1,678.29	1/4	1,415.05	1/4	1,151.64	1/4	890.00	1/4	630.71	1/4	367.36	1/4	104.04	1/4		1/4		1/4	
1/2	1,672.81	1/2	1,409.56	1/2	1,146.15	1/2	884.60	1/2	625.27	1/2	361.88	1/2	98.57	1/2		1/2		1/2	
3/4	1,667.33	3/4	1,404.08	3/4	1,140.66	3/4	879.20	3/4	619.78	3/4	356.39	3/4	93.12	3/4		3/4		3/4	
1	1,661.84	1	1,398.59	1	1,135.17	1	873.79	1	614.29	1	350.90	1	87.67	1		1		1	
1/4	1,656.36	1/4	1,393.10	1/4	1,129.69	1/4	868.39	1/4	608.81	1/4	345.41	1/4	82.21	1/4		1/4		1/4	
1/2	1,650.87	1/2	1,387.61	1/2	1,124.20	1/2	862.99	1/2	603.32	1/2	339.93	1/2	76.76	1/2		1/2		1/2	
3/4	1,645.39	3/4	1,382.12	3/4	1,118.71	3/4	857.58	3/4	597.83	3/4	334.44	3/4	71.34	3/4		3/4		3/4	
2	1,639.90	2	1,376.64	2	1,113.22	2	852.18	2	592.35	2	328.95	2	65.91	2		2		2	
1/4	1,634.42	1/4	1,371.15	1/4	1,107.73	1/4	846.78	1/4	586.86	1/4	323.46	1/4	60.49	1/4		1/4		1/4	
1/2	1,628.93	1/2	1,365.66	1/2	1,102.25	1/2	841.38	1/2	581.37	1/2	317.98	1/2	55.06	1/2		1/2		1/2	
3/4	1,623.45	3/4	1,360.17	3/4	1,096.76	3/4	835.97	3/4	575.88	3/4	312.49	3/4	49.69	3/4		3/4		3/4	
3	1,617.97	3	1,354.68	3	1,091.27	3	830.57	3	570.40	3	307.00	3	44.32	3		3		3	
1/4	1,612.48	1/4	1,349.20	1/4	1,085.78	1/4	825.17	1/4	564.91	1/4	301.51	1/4	38.94	1/4		1/4		1/4	
1/2	1,607.00	1/2	1,343.71	1/2	1,080.29	1/2	819.76	1/2	559.42	1/2	296.03	1/2	33.57	1/2		1/2		1/2	
3/4	1,601.51	3/4	1,338.22	3/4	1,074.81	3/4	814.37	3/4	553.93	3/4	290.54	3/4	29.00	3/4		3/4		3/4	
4	1,596.03	4	1,332.73	4	1,069.32	4	808.97	4	548.45	4	285.05	4	24.44	4		4		4	
1/4	1,590.54	1/4	1,327.25	1/4	1,063.83	1/4	803.57	1/4	542.96	1/4	279.56	1/4	19.87	1/4		1/4		1/4	
1/2	1,585.06	1/2	1,321.76	1/2	1,058.34	1/2	798.17	1/2	537.47	1/2	274.08	1/2	15.31	1/2		1/2		1/2	
3/4	1,579.58	3/4	1,316.27	3/4	1,052.86	3/4	792.78	3/4	531.99	3/4	268.59	3/4	12.57	3/4		3/4		3/4	
5	1,574.09	5	1,310.78	5	1,047.37	5	787.38	5	526.50	5	263.10	5	9.82	5		5		5	
1/4	1,568.61	1/4	1,305.29	1/4	1,041.88	1/4	781.98	1/4	521.01	1/4	257.62	1/4	7.08	1/4		1/4		1/4	
1/2	1,563.12	1/2	1,299.81	1/2	1,036.39	1/2	776.58	1/2	515.52	1/2	252.13	1/2	4.34	1/2		1/2		1/2	
3/4	1,557.64	3/4	1,294.32	3/4	1,030.90	3/4	771.18	3/4	510.04	3/4	246.64	3/4	3.42	3/4		3/4		3/4	
6	1,552.15	6	1,288.83	6	1,025.42	6	765.79	6	504.55	6	241.15	6	2.51	6		6		6	
1/4	1,546.67	1/4	1,283.34	1/4	1,019.93	1/4	760.39	1/4	499.06	1/4	235.67	1/4	1.59	1/4		1/4		1/4	
1/2	1,541.19	1/2	1,277.86	1/2	1,014.44	1/2	754.99	1/2	493.57	1/2	230.18	1/2	0.68	1/2		1/2		1/2	
3/4	1,535.70	3/4	1,272.37	3/4	1,009.00	3/4	749.59	3/4	488.09	3/4	224.69	3/4		3/4		3/4		3/4	
7	1,530.22	7	1,266.88	7	1,003.55	7	744.20	7	482.60	7	219.20	7		7		7		7	
1/4	1,524.73	1/4	1,261.39	1/4	998.10	1/4	738.80	1/4	477.11	1/4	213.72	1/4		1/4		1/4		1/4	
1/2	1,519.25	1/2	1,255.90	1/2	992.66	1/2	733.40	1/2	471.62	1/2	208.23	1/2		1/2		1/2		1/2	
3/4	1,513.76	3/4	1,250.42	3/4	987.26	3/4	728.00	3/4	466.14	3/4	202.74	3/4		3/4		3/4		3/4	
8	1,508.28	8	1,244.93	8	981.85	8	722.61	8	460.65	8	197.25	8		8		8		8	
1/4	1,502.80	1/4	1,239.44	1/4	976.45	1/4	717.21	1/4	455.16	1/4	191.77	1/4		1/4		1/4		1/4	
1/2	1,497.31	1/2	1,233.95	1/2	971.05	1/2	711.81	1/2	449.67	1/2	186.28	1/2		1/2		1/2		1/2	
3/4	1,491.83	3/4	1,228.47	3/4	965.64	3/4	706.41	3/4	444.19	3/4	180.79	3/4		3/4		3/4		3/4	
9	1,486.34	9	1,222.98	9	960.24	9	701.02	9	438.70	9	175.30	9		9		9		9	
1/4	1,480.86	1/4	1,217.49	1/4	954.84	1/4	695.62	1/4	433.21	1/4	169.82	1/4		1/4		1/4		1/4	
1/2	1,475.37	1/2	1,212.00	1/2	949.44	1/2	690.22	1/2	427.72	1/2	164.33	1/2		1/2		1/2		1/2	
3/4	1,469.89	3/4	1,206.51	3/4	944.03	3/4	684.82	3/4	422.24	3/4	158.84	3/4		3/4		3/4		3/4	
10	1,464.41	10	1,201.03	10	938.63	10	679.43	10	416.75	10	153.36	10		10		10		10	
1/4	1,458.92	1/4	1,195.54	1/4	933.23	1/4	674.03	1/4	411.26	1/4	147.87	1/4		1/4		1/4		1/4	
1/2	1,453.44	1/2	1,190.05	1/2	927.82	1/2	668.63	1/2	405.77	1/2	142.38	1/2		1/2		1/2		1/2	
3/4	1,447.95	3/4	1,184.56	3/4	922.42	3/4	663.23	3/4	400.29	3/4	136.90	3/4		3/4		3/4		3/4	
11	1,442.47	11	1,179.08	11	917.02	11	657.84	11	394.80	11	131.42	11		11		11		11	
1/4	1,436.98	1/4	1,173.59	1/4	911.61	1/4	652.44	1/4	389.31	1/4	125.94	1/4		1/4		1/4		1/4	
1/2	1,431.50	1/2	1,168.10	1/2	906.21	1/2	647.04	1/2	383.83	1/2	120.46	1/2		1/2		1/2		1/2	
3/4	1,426.02	3/4	1,162.61	3/4	900.81	3/4	641.60	3/4	378.34	3/4	114.98	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/03/2014 CL
CALCULATED: 04/04/2014 CL
PRINTED: 04/04/2014 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 10119"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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	0	0	3,234.42	0	2,974.50	0	2,714.58	0	2,454.22	0	2,192.90	0	1,931.59
1/4		1/4		1/4		1/4	3,453.95	1/4	3,229.00	1/4	2,969.08	1/4	2,709.16	1/4	2,448.78	1/4	2,187.46	1/4	1,926.14
1/2		1/2		1/2		1/2	3,453.04	1/2	3,223.59	1/2	2,963.67	1/2	2,703.75	1/2	2,443.33	1/2	2,182.02	1/2	1,920.70
3/4		3/4		3/4		3/4	3,452.13	3/4	3,218.17	3/4	2,958.25	3/4	2,698.33	3/4	2,437.89	3/4	2,176.57	3/4	1,915.26
1	1	1	1	1	1	1	3,451.23	1	3,212.76	1	2,952.84	1	2,692.92	1	2,432.45	1	2,171.13	1	1,909.81
1/4		1/4		1/4		1/4	3,450.32	1/4	3,207.34	1/4	2,947.42	1/4	2,687.50	1/4	2,427.00	1/4	2,165.68	1/4	1,904.37
1/2		1/2		1/2		1/2	3,447.59	1/2	3,201.93	1/2	2,942.01	1/2	2,682.09	1/2	2,421.56	1/2	2,160.24	1/2	1,898.92
3/4		3/4		3/4		3/4	3,444.87	3/4	3,196.51	3/4	2,936.59	3/4	2,676.67	3/4	2,416.11	3/4	2,154.80	3/4	1,893.48
2	2	2	2	2	2	2	3,442.15	2	3,191.10	2	2,931.18	2	2,671.26	2	2,410.67	2	2,149.35	2	1,888.04
1/4		1/4		1/4		1/4	3,439.42	1/4	3,185.68	1/4	2,925.76	1/4	2,665.84	1/4	2,405.22	1/4	2,143.91	1/4	1,882.59
1/2		1/2		1/2		1/2	3,435.01	1/2	3,180.27	1/2	2,920.35	1/2	2,660.43	1/2	2,399.78	1/2	2,138.46	1/2	1,877.15
3/4		3/4		3/4		3/4	3,430.60	3/4	3,174.85	3/4	2,914.93	3/4	2,655.01	3/4	2,394.34	3/4	2,133.02	3/4	1,871.70
3	3	3	3	3	3	3	3,426.19	3	3,169.44	3	2,909.52	3	2,649.60	3	2,388.89	3	2,127.58	3	1,866.26
1/4		1/4		1/4		1/4	3,421.78	1/4	3,164.02	1/4	2,904.10	1/4	2,644.18	1/4	2,383.45	1/4	2,122.13	1/4	1,860.81
1/2		1/2		1/2		1/2	3,416.51	1/2	3,158.61	1/2	2,898.69	1/2	2,638.77	1/2	2,378.00	1/2	2,116.69	1/2	1,855.37
3/4		3/4		3/4		3/4	3,411.23	3/4	3,153.19	3/4	2,893.27	3/4	2,633.35	3/4	2,372.56	3/4	2,111.24	3/4	1,849.93
4	4	4	4	4	4	4	3,405.95	4	3,147.78	4	2,887.86	4	2,627.94	4	2,367.12	4	2,105.80	4	1,844.48
1/4		1/4		1/4		1/4	3,400.68	1/4	3,142.36	1/4	2,882.44	1/4	2,622.52	1/4	2,361.67	1/4	2,100.36	1/4	1,839.04
1/2		1/2		1/2		1/2	3,395.37	1/2	3,136.95	1/2	2,877.03	1/2	2,617.11	1/2	2,356.23	1/2	2,094.91	1/2	1,833.59
3/4		3/4		3/4		3/4	3,390.06	3/4	3,131.53	3/4	2,871.61	3/4	2,611.69	3/4	2,350.78	3/4	2,089.47	3/4	1,828.15
5	5	5	5	5	5	5	3,384.76	5	3,126.12	5	2,866.20	5	2,606.28	5	2,345.34	5	2,084.02	5	1,822.71
1/4		1/4		1/4		1/4	3,379.45	1/4	3,120.70	1/4	2,860.78	1/4	2,600.86	1/4	2,339.90	1/4	2,078.58	1/4	1,817.26
1/2		1/2		1/2		1/2	3,374.13	1/2	3,115.29	1/2	2,855.37	1/2	2,595.45	1/2	2,334.45	1/2	2,073.13	1/2	1,811.82
3/4		3/4		3/4		3/4	3,368.81	3/4	3,109.87	3/4	2,849.95	3/4	2,590.03	3/4	2,329.01	3/4	2,067.69	3/4	1,806.37
6	6	6	6	6	6	6	3,363.48	6	3,104.46	6	2,844.54	6	2,584.62	6	2,323.56	6	2,062.25	6	1,800.93
1/4		1/4		1/4		1/4	3,358.16	1/4	3,099.04	1/4	2,839.12	1/4	2,579.20	1/4	2,318.12	1/4	2,056.80	1/4	1,795.49
1/2		1/2		1/2		1/2	3,352.85	1/2	3,093.63	1/2	2,833.71	1/2	2,573.79	1/2	2,312.68	1/2	2,051.36	1/2	1,790.04
3/4		3/4		3/4		3/4	3,347.53	3/4	3,088.21	3/4	2,828.29	3/4	2,568.37	3/4	2,307.23	3/4	2,045.91	3/4	1,784.60
7	7	7	7	7	7	7	3,342.22	7	3,082.80	7	2,822.88	7	2,562.96	7	2,301.79	7	2,040.47	7	1,779.15
1/4		1/4		1/4		1/4	3,336.90	1/4	3,077.38	1/4	2,817.46	1/4	2,557.54	1/4	2,296.34	1/4	2,035.03	1/4	1,773.71
1/2		1/2		1/2		1/2	3,331.59	1/2	3,071.97	1/2	2,812.05	1/2	2,552.13	1/2	2,290.90	1/2	2,029.58	1/2	1,768.26
3/4		3/4		3/4		3/4	3,326.27	3/4	3,066.55	3/4	2,806.63	3/4	2,546.71	3/4	2,285.45	3/4	2,024.14	3/4	1,762.82
8	8	8	8	8	8	8	3,320.96	8	3,061.14	8	2,801.22	8	2,541.30	8	2,280.01	8	2,018.69	8	1,757.38
1/4		1/4		1/4		1/4	3,315.64	1/4	3,055.72	1/4	2,795.80	1/4	2,535.88	1/4	2,274.57	1/4	2,013.25	1/4	1,751.93
1/2		1/2		1/2		1/2	3,310.23	1/2	3,050.31	1/2	2,790.39	1/2	2,530.44	1/2	2,269.12	1/2	2,007.81	1/2	1,746.49
3/4		3/4		3/4		3/4	3,304.81	3/4	3,044.89	3/4	2,784.97	3/4	2,524.99	3/4	2,263.68	3/4	2,002.36	3/4	1,741.04
9	9	9	9	9	9	9	3,299.40	9	3,039.48	9	2,779.56	9	2,519.55	9	2,258.23	9	1,996.92	9	1,735.60
1/4		1/4		1/4		1/4	3,293.98	1/4	3,034.06	1/4	2,774.14	1/4	2,514.11	1/4	2,252.79	1/4	1,991.47	1/4	1,730.16
1/2		1/2		1/2		1/2	3,288.57	1/2	3,028.65	1/2	2,768.73	1/2	2,508.66	1/2	2,247.35	1/2	1,986.03	1/2	1,724.71
3/4		3/4		3/4		3/4	3,283.15	3/4	3,023.23	3/4	2,763.31	3/4	2,503.22	3/4	2,241.90	3/4	1,980.58	3/4	1,719.27
10	10	10	10	10	10	10	3,277.74	10	3,017.82	10	2,757.90	10	2,497.77	10	2,236.46	10	1,975.14	10	1,713.82
1/4		1/4		1/4		1/4	3,272.32	1/4	3,012.40	1/4	2,752.48	1/4	2,492.33	1/4	2,231.01	1/4	1,969.70	1/4	1,708.38
1/2		1/2		1/2		1/2	3,266.91	1/2	3,006.99	1/2	2,747.07	1/2	2,486.89	1/2	2,225.57	1/2	1,964.25	1/2	1,702.94
3/4		3/4		3/4		3/4	3,261.49	3/4	3,001.57	3/4	2,741.65	3/4	2,481.44	3/4	2,220.13	3/4	1,958.81	3/4	1,697.49
11	11	11	11	11	11	11	3,256.08	11	2,996.16	11	2,736.24	11	2,476.00	11	2,214.68	11	1,953.36	11	1,692.05
1/4		1/4		1/4		1/4	3,250.66	1/4	2,990.74	1/4	2,730.82	1/4	2,470.55	1/4	2,209.24	1/4	1,947.92	1/4	1,686.60
1/2		1/2		1/2		1/2	3,245.25	1/2	2,985.33	1/2	2,725.41	1/2	2,465.11	1/2	2,203.79	1/2	1,942.48	1/2	1,681.16
3/4		3/4		3/4		3/4	3,239.83	3/4	2,979.91	3/4	2,719.99	3/4	2,459.67	3/4	2,198.35	3/4	1,937.03	3/4	1,675.72

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'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 10119"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,670.27	0	1,408.95	0	1,147.47	0	886.83	0	626.14	0	364.68	0	103.29	0		0		0	
1/4	1,664.83	1/4	1,403.51	1/4	1,142.03	1/4	881.41	1/4	620.69	1/4	359.23	1/4	97.85	1/4		1/4		1/4	
1/2	1,659.38	1/2	1,398.06	1/2	1,136.58	1/2	876.00	1/2	615.25	1/2	353.78	1/2	92.44	1/2		1/2		1/2	
3/4	1,653.94	3/4	1,392.62	3/4	1,131.13	3/4	870.59	3/4	609.80	3/4	348.34	3/4	87.03	3/4		3/4		3/4	
1	1,648.49	1	1,387.17	1	1,125.68	1	865.18	1	604.35	1	342.89	1	81.62	1		1		1	
1/4	1,643.05	1/4	1,381.72	1/4	1,120.24	1/4	859.77	1/4	598.91	1/4	337.44	1/4	76.20	1/4		1/4		1/4	
1/2	1,637.61	1/2	1,376.27	1/2	1,114.79	1/2	854.36	1/2	593.46	1/2	331.99	1/2	70.82	1/2		1/2		1/2	
3/4	1,632.16	3/4	1,370.82	3/4	1,109.34	3/4	848.95	3/4	588.01	3/4	326.55	3/4	65.44	3/4		3/4		3/4	
2	1,626.72	2	1,365.38	2	1,103.89	2	843.54	2	582.57	2	321.10	2	60.05	2		2		2	
1/4	1,621.27	1/4	1,359.93	1/4	1,098.44	1/4	838.12	1/4	577.12	1/4	315.65	1/4	54.67	1/4		1/4		1/4	
1/2	1,615.83	1/2	1,354.48	1/2	1,093.00	1/2	832.71	1/2	571.67	1/2	310.21	1/2	49.33	1/2		1/2		1/2	
3/4	1,610.39	3/4	1,349.03	3/4	1,087.55	3/4	827.30	3/4	566.22	3/4	304.76	3/4	44.00	3/4		3/4		3/4	
3	1,604.94	3	1,343.59	3	1,082.10	3	821.89	3	560.78	3	299.31	3	38.66	3		3		3	
1/4	1,599.50	1/4	1,338.14	1/4	1,076.65	1/4	816.48	1/4	555.33	1/4	293.86	1/4	33.33	1/4		1/4		1/4	
1/2	1,594.05	1/2	1,332.69	1/2	1,071.21	1/2	811.07	1/2	549.88	1/2	288.42	1/2	28.80	1/2		1/2		1/2	
3/4	1,588.61	3/4	1,327.24	3/4	1,065.76	3/4	805.67	3/4	544.43	3/4	282.97	3/4	24.26	3/4		3/4		3/4	
4	1,583.17	4	1,321.80	4	1,060.31	4	800.26	4	538.99	4	277.52	4	19.73	4		4		4	
1/4	1,577.72	1/4	1,316.35	1/4	1,054.86	1/4	794.86	1/4	533.54	1/4	272.07	1/4	15.20	1/4		1/4		1/4	
1/2	1,572.28	1/2	1,310.90	1/2	1,049.42	1/2	789.41	1/2	528.09	1/2	266.63	1/2	12.48	1/2		1/2		1/2	
3/4	1,566.83	3/4	1,305.45	3/4	1,043.97	3/4	783.97	3/4	522.65	3/4	261.18	3/4	9.76	3/4		3/4		3/4	
5	1,561.39	5	1,300.01	5	1,038.52	5	778.53	5	517.20	5	255.73	5	7.03	5		5		5	
1/4	1,555.95	1/4	1,294.56	1/4	1,033.07	1/4	773.09	1/4	511.75	1/4	250.29	1/4	4.31	1/4		1/4		1/4	
1/2	1,550.50	1/2	1,289.11	1/2	1,027.63	1/2	767.64	1/2	506.30	1/2	244.84	1/2	3.40	1/2		1/2		1/2	
3/4	1,545.06	3/4	1,283.66	3/4	1,022.18	3/4	762.20	3/4	500.86	3/4	239.39	3/4	2.49	3/4		3/4		3/4	
6	1,539.61	6	1,278.22	6	1,016.73	6	756.76	6	495.41	6	233.94	6	1.59	6		6		6	
1/4	1,534.17	1/4	1,272.77	1/4	1,011.28	1/4	751.32	1/4	489.96	1/4	228.50	1/4	0.68	1/4		1/4		1/4	
1/2	1,528.72	1/2	1,267.32	1/2	1,005.87	1/2	745.88	1/2	484.52	1/2	223.05	1/2		1/2		1/2		1/2	
3/4	1,523.28	3/4	1,261.87	3/4	1,000.46	3/4	740.43	3/4	479.07	3/4	217.60	3/4		3/4		3/4		3/4	
7	1,517.84	7	1,256.43	7	995.05	7	734.99	7	473.62	7	212.16	7		7		7		7	
1/4	1,512.39	1/4	1,250.98	1/4	989.64	1/4	729.55	1/4	468.17	1/4	206.71	1/4		1/4		1/4		1/4	
1/2	1,506.95	1/2	1,245.53	1/2	984.23	1/2	724.11	1/2	462.73	1/2	201.26	1/2		1/2		1/2		1/2	
3/4	1,501.50	3/4	1,240.08	3/4	978.82	3/4	718.66	3/4	457.28	3/4	195.81	3/4		3/4		3/4		3/4	
8	1,496.06	8	1,234.63	8	973.40	8	713.22	8	451.83	8	190.37	8		8		8		8	
1/4	1,490.62	1/4	1,229.19	1/4	967.99	1/4	707.78	1/4	446.39	1/4	184.92	1/4		1/4		1/4		1/4	
1/2	1,485.17	1/2	1,223.74	1/2	962.58	1/2	702.34	1/2	440.94	1/2	179.47	1/2		1/2		1/2		1/2	
3/4	1,479.73	3/4	1,218.29	3/4	957.17	3/4	696.90	3/4	435.49	3/4	174.03	3/4		3/4		3/4		3/4	
9	1,474.28	9	1,212.84	9	951.76	9	691.45	9	430.04	9	168.58	9		9		9		9	
1/4	1,468.84	1/4	1,207.40	1/4	946.35	1/4	686.01	1/4	424.60	1/4	163.13	1/4		1/4		1/4		1/4	
1/2	1,463.40	1/2	1,201.95	1/2	940.94	1/2	680.57	1/2	419.15	1/2	157.68	1/2		1/2		1/2		1/2	
3/4	1,457.95	3/4	1,196.50	3/4	935.53	3/4	675.13	3/4	413.70	3/4	152.24	3/4		3/4		3/4		3/4	
10	1,452.51	10	1,191.05	10	930.12	10	669.68	10	408.25	10	146.79	10		10		10		10	
1/4	1,447.06	1/4	1,185.61	1/4	924.70	1/4	664.24	1/4	402.81	1/4	141.34	1/4		1/4		1/4		1/4	
1/2	1,441.62	1/2	1,180.16	1/2	919.29	1/2	658.80	1/2	397.36	1/2	135.90	1/2		1/2		1/2		1/2	
3/4	1,436.17	3/4	1,174.71	3/4	913.88	3/4	653.36	3/4	391.91	3/4	130.46	3/4		3/4		3/4		3/4	
11	1,430.73	11	1,169.26	11	908.47	11	647.92	11	386.47	11	125.02	11		11		11		11	
1/4	1,425.29	1/4	1,163.82	1/4	903.06	1/4	642.48	1/4	381.02	1/4	119.58	1/4		1/4		1/4		1/4	
1/2	1,419.84	1/2	1,158.37	1/2	897.65	1/2	637.03	1/2	375.57	1/2	114.15	1/2		1/2		1/2		1/2	
3/4	1,414.40	3/4	1,152.92	3/4	892.24	3/4	631.59	3/4	370.12	3/4	108.72	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/03/2014 CL
CALCULATED: 04/04/2014 CL
PRINTED: 04/04/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2014

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