



BARGE "KIRBY 10117"

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	00-3/8	- 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"

March 28, 2014

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

<http://www.pmacorp.net>



BARGE "KIRBY 10117"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	3,764.35	0	3,543.52	0	3,290.62	0	3,037.73	0	2,777.38	0	2,481.77	0	2,185.48
1/4		1/4		1/4		1/4	3,763.32	1/4	3,538.25	1/4	3,285.36	1/4	3,032.46	1/4	2,771.23	1/4	2,475.59	1/4	2,179.30
1/2		1/2		1/2		1/2	3,762.28	1/2	3,532.98	1/2	3,280.09	1/2	3,027.19	1/2	2,765.07	1/2	2,469.42	1/2	2,173.13
3/4		3/4		3/4		3/4	3,761.25	3/4	3,527.72	3/4	3,274.82	3/4	3,021.92	3/4	2,758.92	3/4	2,463.25	3/4	2,166.96
1	1	1	1	1	1	1	3,760.22	1	3,522.45	1	3,269.55	1	3,016.65	1	2,752.77	1	2,457.08	1	2,160.79
1/4		1/4		1/4		1/4	3,757.12	1/4	3,517.18	1/4	3,264.28	1/4	3,011.38	1/4	2,746.61	1/4	2,450.90	1/4	2,154.61
1/2		1/2		1/2		1/2	3,754.02	1/2	3,511.91	1/2	3,259.01	1/2	3,006.11	1/2	2,740.46	1/2	2,444.73	1/2	2,148.44
3/4		3/4		3/4		3/4	3,750.92	3/4	3,506.64	3/4	3,253.74	3/4	3,000.85	3/4	2,734.30	3/4	2,438.56	3/4	2,142.27
2	2	2	2	2	2	2	3,747.82	2	3,501.37	2	3,248.47	2	2,995.58	2	2,728.15	2	2,432.38	2	2,136.10
1/4		1/4		1/4		1/4	3,743.67	1/4	3,496.10	1/4	3,243.21	1/4	2,990.31	1/4	2,722.00	1/4	2,426.21	1/4	2,129.92
1/2		1/2		1/2		1/2	3,739.52	1/2	3,490.83	1/2	3,237.94	1/2	2,985.04	1/2	2,715.84	1/2	2,420.04	1/2	2,123.75
3/4		3/4		3/4		3/4	3,735.37	3/4	3,485.57	3/4	3,232.67	3/4	2,979.77	3/4	2,709.69	3/4	2,413.87	3/4	2,117.58
3	3	3	3	3	3	3	3,731.23	3	3,480.30	3	3,227.40	3	2,974.50	3	2,703.53	3	2,407.69	3	2,111.40
1/4		1/4		1/4		1/4	3,726.09	1/4	3,475.03	1/4	3,222.13	1/4	2,969.23	1/4	2,697.38	1/4	2,401.52	1/4	2,105.23
1/2		1/2		1/2		1/2	3,720.96	1/2	3,469.76	1/2	3,216.86	1/2	2,963.96	1/2	2,691.23	1/2	2,395.35	1/2	2,099.06
3/4		3/4		3/4		3/4	3,715.82	3/4	3,464.49	3/4	3,211.59	3/4	2,958.70	3/4	2,685.07	3/4	2,389.18	3/4	2,092.89
4	4	4	4	4	4	4	3,710.69	4	3,459.22	4	3,206.32	4	2,953.43	4	2,678.92	4	2,383.00	4	2,086.71
1/4		1/4		1/4		1/4	3,705.52	1/4	3,453.95	1/4	3,201.06	1/4	2,948.16	1/4	2,672.76	1/4	2,376.83	1/4	2,080.54
1/2		1/2		1/2		1/2	3,700.35	1/2	3,448.68	1/2	3,195.79	1/2	2,942.89	1/2	2,666.61	1/2	2,370.66	1/2	2,074.37
3/4		3/4		3/4		3/4	3,695.18	3/4	3,443.42	3/4	3,190.52	3/4	2,937.62	3/4	2,660.46	3/4	2,364.48	3/4	2,068.20
5	5	5	5	5	5	5	3,690.01	5	3,438.15	5	3,185.25	5	2,932.35	5	2,654.30	5	2,358.31	5	2,062.02
1/4		1/4		1/4		1/4	3,684.82	1/4	3,432.88	1/4	3,179.98	1/4	2,927.08	1/4	2,648.15	1/4	2,352.14	1/4	2,055.85
1/2		1/2		1/2		1/2	3,679.64	1/2	3,427.61	1/2	3,174.71	1/2	2,921.81	1/2	2,641.99	1/2	2,345.97	1/2	2,049.68
3/4		3/4		3/4		3/4	3,674.46	3/4	3,422.34	3/4	3,169.44	3/4	2,916.55	3/4	2,635.84	3/4	2,339.79	3/4	2,043.50
6	6	6	6	6	6	6	3,669.27	6	3,417.07	6	3,164.18	6	2,911.28	6	2,629.69	6	2,333.62	6	2,037.33
1/4		1/4		1/4		1/4	3,664.09	1/4	3,411.80	1/4	3,158.91	1/4	2,906.01	1/4	2,623.53	1/4	2,327.45	1/4	2,031.16
1/2		1/2		1/2		1/2	3,658.91	1/2	3,406.54	1/2	3,153.64	1/2	2,900.74	1/2	2,617.38	1/2	2,321.28	1/2	2,024.99
3/4		3/4		3/4		3/4	3,653.73	3/4	3,401.27	3/4	3,148.37	3/4	2,895.47	3/4	2,611.22	3/4	2,315.10	3/4	2,018.81
7	7	7	7	7	7	7	3,648.55	7	3,396.00	7	3,143.10	7	2,890.20	7	2,605.07	7	2,308.93	7	2,012.64
1/4		1/4		1/4		1/4	3,643.36	1/4	3,390.73	1/4	3,137.83	1/4	2,884.93	1/4	2,598.92	1/4	2,302.76	1/4	2,006.47
1/2		1/2		1/2		1/2	3,638.18	1/2	3,385.46	1/2	3,132.56	1/2	2,879.67	1/2	2,592.76	1/2	2,296.59	1/2	2,000.30
3/4		3/4		3/4		3/4	3,633.00	3/4	3,380.19	3/4	3,127.29	3/4	2,874.40	3/4	2,586.61	3/4	2,290.41	3/4	1,994.12
8	8	8	8	8	8	8	3,627.82	8	3,374.92	8	3,122.03	8	2,869.13	8	2,580.45	8	2,284.24	8	1,987.95
1/4		1/4		1/4		1/4	3,622.55	1/4	3,369.65	1/4	3,116.76	1/4	2,863.83	1/4	2,574.30	1/4	2,278.07	1/4	1,981.78
1/2		1/2		1/2		1/2	3,617.28	1/2	3,364.39	1/2	3,111.49	1/2	2,858.54	1/2	2,568.15	1/2	2,271.89	1/2	1,975.60
3/4		3/4		3/4		3/4	3,612.01	3/4	3,359.12	3/4	3,106.22	3/4	2,853.25	3/4	2,561.99	3/4	2,265.72	3/4	1,969.43
9	9	9	9	9	9	9	3,606.75	9	3,353.85	9	3,100.95	9	2,847.95	9	2,555.84	9	2,259.55	9	1,963.26
1/4		1/4		1/4		1/4	3,601.48	1/4	3,348.58	1/4	3,095.68	1/4	2,842.66	1/4	2,549.67	1/4	2,253.38	1/4	1,957.09
1/2		1/2		1/2		1/2	3,596.21	1/2	3,343.31	1/2	3,090.41	1/2	2,837.37	1/2	2,543.49	1/2	2,247.20	1/2	1,950.91
3/4		3/4		3/4		3/4	3,590.94	3/4	3,338.04	3/4	3,085.14	3/4	2,832.07	3/4	2,537.32	3/4	2,241.03	3/4	1,944.74
10	10	10	10	10	10	10	3,585.67	10	3,332.77	10	3,079.88	10	2,826.78	10	2,531.15	10	2,234.86	10	1,938.57
1/4		1/4		1/4		1/4	3,580.40	1/4	3,327.50	1/4	3,074.61	1/4	2,820.58	1/4	2,524.98	1/4	2,228.69	1/4	1,932.40
1/2		1/2		1/2		1/2	3,575.13	1/2	3,322.24	1/2	3,069.34	1/2	2,814.39	1/2	2,518.80	1/2	2,222.51	1/2	1,926.22
3/4		3/4		3/4		3/4	3,569.87	3/4	3,316.97	3/4	3,064.07	3/4	2,808.19	3/4	2,512.63	3/4	2,216.34	3/4	1,920.05
11	11	11	11	11	11	11	3,564.60	11	3,311.70	11	3,058.80	11	2,802.00	11	2,506.46	11	2,210.17	11	1,913.88
1/4		1/4		1/4		1/4	3,559.33	1/4	3,306.43	1/4	3,053.53	1/4	2,795.84	1/4	2,500.28	1/4	2,203.99	1/4	1,907.71
1/2		1/2		1/2		1/2	3,554.06	1/2	3,301.16	1/2	3,048.26	1/2	2,789.69	1/2	2,494.11	1/2	2,197.82	1/2	1,901.53
3/4		3/4		3/4		3/4	3,548.79	3/4	3,295.89	3/4	3,042.99	3/4	2,783.54	3/4	2,487.94	3/4	2,191.65	3/4	1,895.36

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
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BARGE "KIRBY 10117"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	1,889.19	0	1,592.67	0	1,295.97	0	999.26	0	708.59	0	411.76	0	114.87	0		0		0	
1/4	1,883.01	1/4	1,586.49	1/4	1,289.78	1/4	993.08	1/4	702.42	1/4	405.58	1/4	108.71	1/4		1/4		1/4	
1/2	1,876.84	1/2	1,580.30	1/2	1,283.60	1/2	986.90	1/2	696.26	1/2	399.39	1/2	102.55	1/2		1/2		1/2	
3/4	1,870.67	3/4	1,574.12	3/4	1,277.42	3/4	980.72	3/4	690.09	3/4	393.21	3/4	96.39	3/4		3/4		3/4	
1	1,864.50	1	1,567.94	1	1,271.24	1	974.54	1	683.92	1	387.02	1	90.23	1		1		1	
1/4	1,858.32	1/4	1,561.76	1/4	1,265.06	1/4	968.42	1/4	677.74	1/4	380.84	1/4	84.11	1/4		1/4		1/4	
1/2	1,852.15	1/2	1,555.58	1/2	1,258.88	1/2	962.30	1/2	671.55	1/2	374.65	1/2	77.98	1/2		1/2		1/2	
3/4	1,845.98	3/4	1,549.40	3/4	1,252.70	3/4	956.18	3/4	665.37	3/4	368.47	3/4	71.86	3/4		3/4		3/4	
2	1,839.81	2	1,543.22	2	1,246.51	2	950.06	2	659.18	2	362.28	2	65.73	2		2		2	
1/4	1,833.63	1/4	1,537.04	1/4	1,240.33	1/4	944.01	1/4	653.00	1/4	356.09	1/4	59.66	1/4		1/4		1/4	
1/2	1,827.46	1/2	1,530.85	1/2	1,234.15	1/2	937.95	1/2	646.82	1/2	349.91	1/2	53.59	1/2		1/2		1/2	
3/4	1,821.29	3/4	1,524.67	3/4	1,227.97	3/4	931.90	3/4	640.63	3/4	343.72	3/4	47.52	3/4		3/4		3/4	
3	1,815.11	3	1,518.49	3	1,221.79	3	925.84	3	634.45	3	337.54	3	41.45	3		3		3	
1/4	1,808.93	1/4	1,512.31	1/4	1,215.61	1/4	919.79	1/4	628.26	1/4	331.35	1/4	36.30	1/4		1/4		1/4	
1/2	1,802.75	1/2	1,506.13	1/2	1,209.43	1/2	913.73	1/2	622.08	1/2	325.17	1/2	31.14	1/2		1/2		1/2	
3/4	1,796.57	3/4	1,499.95	3/4	1,203.25	3/4	907.68	3/4	615.89	3/4	318.98	3/4	25.99	3/4		3/4		3/4	
4	1,790.39	4	1,493.77	4	1,197.06	4	901.62	4	609.70	4	312.80	4	20.83	4		4		4	
1/4	1,784.21	1/4	1,487.59	1/4	1,190.88	1/4	895.59	1/4	603.52	1/4	306.61	1/4	17.73	1/4		1/4		1/4	
1/2	1,778.03	1/2	1,481.40	1/2	1,184.70	1/2	889.55	1/2	597.33	1/2	300.42	1/2	14.64	1/2		1/2		1/2	
3/4	1,771.85	3/4	1,475.22	3/4	1,178.52	3/4	883.51	3/4	591.15	3/4	294.24	3/4	11.54	3/4		3/4		3/4	
5	1,765.67	5	1,469.04	5	1,172.34	5	877.47	5	584.96	5	288.05	5	8.44	5		5		5	
1/4	1,759.48	1/4	1,462.86	1/4	1,166.16	1/4	871.45	1/4	578.78	1/4	281.87	1/4	7.41	1/4		1/4		1/4	
1/2	1,753.30	1/2	1,456.68	1/2	1,159.98	1/2	865.43	1/2	572.59	1/2	275.68	1/2	6.38	1/2		1/2		1/2	
3/4	1,747.12	3/4	1,450.50	3/4	1,153.80	3/4	859.40	3/4	566.40	3/4	269.50	3/4	5.34	3/4		3/4		3/4	
6	1,740.94	6	1,444.32	6	1,147.61	6	853.38	6	560.22	6	263.31	6	4.31	6		6		6	
1/4	1,734.76	1/4	1,438.13	1/4	1,141.43	1/4	847.36	1/4	554.03	1/4	257.12	1/4		1/4		1/4		1/4	
1/2	1,728.58	1/2	1,431.95	1/2	1,135.25	1/2	841.34	1/2	547.85	1/2	250.94	1/2		1/2		1/2		1/2	
3/4	1,722.40	3/4	1,425.77	3/4	1,129.07	3/4	835.31	3/4	541.66	3/4	244.75	3/4		3/4		3/4		3/4	
7	1,716.22	7	1,419.59	7	1,122.89	7	829.29	7	535.48	7	238.57	7		7		7		7	
1/4	1,710.05	1/4	1,413.41	1/4	1,116.71	1/4	823.27	1/4	529.29	1/4	232.38	1/4		1/4		1/4		1/4	
1/2	1,703.87	1/2	1,407.23	1/2	1,110.53	1/2	817.25	1/2	523.11	1/2	226.20	1/2		1/2		1/2		1/2	
3/4	1,697.69	3/4	1,401.05	3/4	1,104.34	3/4	811.22	3/4	516.92	3/4	220.01	3/4		3/4		3/4		3/4	
8	1,691.51	8	1,394.87	8	1,098.16	8	805.20	8	510.73	8	213.83	8		8		8		8	
1/4	1,685.33	1/4	1,388.68	1/4	1,091.98	1/4	799.18	1/4	504.55	1/4	207.64	1/4		1/4		1/4		1/4	
1/2	1,679.16	1/2	1,382.50	1/2	1,085.80	1/2	793.16	1/2	498.36	1/2	201.45	1/2		1/2		1/2		1/2	
3/4	1,672.98	3/4	1,376.32	3/4	1,079.62	3/4	787.14	3/4	492.18	3/4	195.27	3/4		3/4		3/4		3/4	
9	1,666.80	9	1,370.14	9	1,073.44	9	781.11	9	485.99	9	189.08	9		9		9		9	
1/4	1,660.62	1/4	1,363.96	1/4	1,067.26	1/4	775.09	1/4	479.81	1/4	182.90	1/4		1/4		1/4		1/4	
1/2	1,654.45	1/2	1,357.78	1/2	1,061.08	1/2	769.07	1/2	473.62	1/2	176.71	1/2		1/2		1/2		1/2	
3/4	1,648.27	3/4	1,351.60	3/4	1,054.89	3/4	763.05	3/4	467.44	3/4	170.53	3/4		3/4		3/4		3/4	
10	1,642.09	10	1,345.42	10	1,048.71	10	757.02	10	461.25	10	164.34	10		10		10		10	
1/4	1,635.91	1/4	1,339.23	1/4	1,042.53	1/4	751.00	1/4	455.06	1/4	158.15	1/4		1/4		1/4		1/4	
1/2	1,629.73	1/2	1,333.05	1/2	1,036.35	1/2	744.98	1/2	448.88	1/2	151.96	1/2		1/2		1/2		1/2	
3/4	1,623.56	3/4	1,326.87	3/4	1,030.17	3/4	738.96	3/4	442.69	3/4	145.77	3/4		3/4		3/4		3/4	
11	1,617.38	11	1,320.69	11	1,023.99	11	732.93	11	436.51	11	139.58	11		11		11		11	
1/4	1,611.20	1/4	1,314.51	1/4	1,017.81	1/4	726.85	1/4	430.32	1/4	133.40	1/4		1/4		1/4		1/4	
1/2	1,605.02	1/2	1,308.33	1/2	1,011.63	1/2	720.76	1/2	424.14	1/2	127.22	1/2		1/2		1/2		1/2	
3/4	1,598.85	3/4	1,302.15	3/4	1,005.44	3/4	714.68	3/4	417.95	3/4	121.04	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2014 SW
CALCULATED: 03/28/2014 CL
PRINTED: 03/28/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2014

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



BARGE "KIRBY 10117"

2 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	0	0	0	0	3,271.59	0	3,009.65	0	2,747.71	0	2,485.42	0	2,222.07	0	1,958.73
1/4		1/4		1/4		1/4		1/4	3,266.14	1/4	3,004.20	1/4	2,742.26	1/4	2,479.93	1/4	2,216.59	1/4	1,953.24
1/2		1/2		1/2		1/2		1/2	3,260.68	1/2	2,998.74	1/2	2,736.80	1/2	2,474.45	1/2	2,211.10	1/2	1,947.75
3/4		3/4		3/4		3/4		3/4	3,255.22	3/4	2,993.28	3/4	2,731.34	3/4	2,468.96	3/4	2,205.61	3/4	1,942.27
1	1	1	1	1	3,476.47	1	3,249.77	1	2,987.83	1	2,725.88	1	2,463.47	1	2,200.13	1	1,936.78		
1/4		1/4		1/4		1/4		1/4	3,475.56	1/4	3,244.31	1/4	2,982.37	1/4	2,457.99	1/4	2,194.64	1/4	1,931.29
1/2		1/2		1/2		1/2		1/2	3,474.64	1/2	3,238.85	1/2	2,976.91	1/2	2,452.50	1/2	2,189.15	1/2	1,925.81
3/4		3/4		3/4		3/4		3/4	3,473.73	3/4	3,233.39	3/4	2,971.45	3/4	2,447.02	3/4	2,183.67	3/4	1,920.32
2	2	2	2	2	3,472.81	2	3,227.94	2	2,966.00	2	2,704.06	2	2,441.53	2	2,178.18	2	1,914.83		
1/4		1/4		1/4		1/4		1/4	3,470.07	1/4	3,222.48	1/4	2,960.54	1/4	2,436.04	1/4	2,172.70	1/4	1,909.35
1/2		1/2		1/2		1/2		1/2	3,467.32	1/2	3,217.02	1/2	2,955.08	1/2	2,430.56	1/2	2,167.21	1/2	1,903.86
3/4		3/4		3/4		3/4		3/4	3,464.58	3/4	3,211.57	3/4	2,949.63	3/4	2,425.07	3/4	2,161.72	3/4	1,898.38
3	3	3	3	3	3,461.83	3	3,206.11	3	2,944.17	3	2,682.23	3	2,419.58	3	2,156.24	3	1,892.89		
1/4		1/4		1/4		1/4		1/4	3,457.39	1/4	3,200.65	1/4	2,938.71	1/4	2,414.10	1/4	2,150.75	1/4	1,887.40
1/2		1/2		1/2		1/2		1/2	3,452.94	1/2	3,195.19	1/2	2,933.25	1/2	2,671.31	1/2	2,145.26	1/2	1,881.92
3/4		3/4		3/4		3/4		3/4	3,448.50	3/4	3,189.74	3/4	2,927.80	3/4	2,665.86	3/4	2,139.78	3/4	1,876.43
4	4	4	4	4	3,444.05	4	3,184.28	4	2,922.34	4	2,660.40	4	2,397.64	4	2,134.29	4	1,870.94		
1/4		1/4		1/4		1/4		1/4	3,438.74	1/4	3,178.82	1/4	2,916.88	1/4	2,654.94	1/4	2,392.15	1/4	1,865.46
1/2		1/2		1/2		1/2		1/2	3,433.42	1/2	3,173.37	1/2	2,911.43	1/2	2,649.48	1/2	2,386.67	1/2	1,859.97
3/4		3/4		3/4		3/4		3/4	3,428.10	3/4	3,167.91	3/4	2,905.97	3/4	2,644.03	3/4	2,381.18	3/4	1,854.48
5	5	5	5	5	3,422.78	5	3,162.45	5	2,900.51	5	2,638.57	5	2,375.69	5	2,112.35	5	1,849.00		
1/4		1/4		1/4		1/4		1/4	3,417.43	1/4	3,157.00	1/4	2,895.05	1/4	2,633.11	1/4	2,370.21	1/4	1,843.51
1/2		1/2		1/2		1/2		1/2	3,412.08	1/2	3,151.54	1/2	2,889.60	1/2	2,627.66	1/2	2,364.72	1/2	1,838.03
3/4		3/4		3/4		3/4		3/4	3,406.74	3/4	3,146.08	3/4	2,884.14	3/4	2,622.20	3/4	2,359.23	3/4	1,832.54
6	6	6	6	6	3,401.39	6	3,140.62	6	2,878.68	6	2,616.74	6	2,353.75	6	2,090.40	6	1,827.05		
1/4		1/4		1/4		1/4		1/4	3,396.03	1/4	3,135.17	1/4	2,873.23	1/4	2,611.29	1/4	2,348.26	1/4	1,821.57
1/2		1/2		1/2		1/2		1/2	3,390.66	1/2	3,129.71	1/2	2,867.77	1/2	2,605.83	1/2	2,342.77	1/2	1,816.08
3/4		3/4		3/4		3/4		3/4	3,385.30	3/4	3,124.25	3/4	2,862.31	3/4	2,600.37	3/4	2,337.29	3/4	1,810.59
7	7	7	7	7	3,379.94	7	3,118.80	7	2,856.85	7	2,594.91	7	2,331.80	7	2,068.45	7	1,805.11		
1/4		1/4		1/4		1/4		1/4	3,374.58	1/4	3,113.34	1/4	2,851.40	1/4	2,589.46	1/4	2,326.31	1/4	1,799.62
1/2		1/2		1/2		1/2		1/2	3,369.23	1/2	3,107.88	1/2	2,845.94	1/2	2,584.00	1/2	2,320.83	1/2	1,794.13
3/4		3/4		3/4		3/4		3/4	3,363.87	3/4	3,102.42	3/4	2,840.48	3/4	2,578.54	3/4	2,315.34	3/4	1,788.65
8	8	8	8	8	3,358.51	8	3,096.97	8	2,835.03	8	2,573.09	8	2,309.86	8	2,046.51	8	1,783.16		
1/4		1/4		1/4		1/4		1/4	3,353.15	1/4	3,091.51	1/4	2,829.57	1/4	2,567.63	1/4	2,304.37	1/4	1,777.67
1/2		1/2		1/2		1/2		1/2	3,347.80	1/2	3,086.05	1/2	2,824.11	1/2	2,562.17	1/2	2,298.88	1/2	1,772.19
3/4		3/4		3/4		3/4		3/4	3,342.44	3/4	3,080.60	3/4	2,818.66	3/4	2,556.71	3/4	2,293.40	3/4	1,766.70
9	9	9	9	9	3,337.08	9	3,075.14	9	2,813.20	9	2,551.26	9	2,287.91	9	2,024.56	9	1,761.22		
1/4		1/4		1/4		1/4		1/4	3,331.62	1/4	3,069.68	1/4	2,807.74	1/4	2,545.77	1/4	2,282.42	1/4	1,755.73
1/2		1/2		1/2		1/2		1/2	3,326.17	1/2	3,064.22	1/2	2,802.28	1/2	2,540.28	1/2	2,276.94	1/2	1,750.24
3/4		3/4		3/4		3/4		3/4	3,320.71	3/4	3,058.77	3/4	2,796.83	3/4	2,534.80	3/4	2,271.45	3/4	1,744.76
10	10	10	10	10	3,315.25	10	3,053.31	10	2,791.37	10	2,529.31	10	2,265.96	10	2,002.62	10	1,739.27		
1/4		1/4		1/4		1/4		1/4	3,309.79	1/4	3,047.85	1/4	2,785.91	1/4	2,523.83	1/4	2,260.48	1/4	1,733.78
1/2		1/2		1/2		1/2		1/2	3,304.34	1/2	3,042.40	1/2	2,780.46	1/2	2,518.34	1/2	2,254.99	1/2	1,728.30
3/4		3/4		3/4		3/4		3/4	3,298.88	3/4	3,036.94	3/4	2,775.00	3/4	2,512.85	3/4	2,249.51	3/4	1,722.81
11	11	11	11	11	3,293.42	11	3,031.48	11	2,769.54	11	2,507.37	11	2,244.02	11	1,980.67	11	1,717.32		
1/4		1/4		1/4		1/4		1/4	3,287.97	1/4	3,026.02	1/4	2,764.08	1/4	2,501.88	1/4	2,238.53	1/4	1,711.84
1/2		1/2		1/2		1/2		1/2	3,282.51	1/2	3,020.57	1/2	2,758.63	1/2	2,496.39	1/2	2,233.05	1/2	1,706.35
3/4		3/4		3/4		3/4		3/4	3,277.05	3/4	3,015.11	3/4	2,753.17	3/4	2,490.91	3/4	2,227.56	3/4	1,700.87

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 10117"

2 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	1,695.38	0	1,432.03	0	1,168.53	0	906.55	0	647.29	0	383.97	0	120.50	0		0		0	
1/4	1,689.89	1/4	1,426.55	1/4	1,163.05	1/4	901.14	1/4	641.84	1/4	378.48	1/4	115.03	1/4		1/4		1/4	
1/2	1,684.41	1/2	1,421.06	1/2	1,157.56	1/2	895.74	1/2	636.39	1/2	372.99	1/2	109.55	1/2		1/2		1/2	
3/4	1,678.92	3/4	1,415.57	3/4	1,152.07	3/4	890.33	3/4	630.95	3/4	367.50	3/4	104.08	3/4		3/4		3/4	
1	1,673.43	1	1,410.09	1	1,146.58	1	884.93	1	625.50	1	362.01	1	98.61	1		1		1	
1/4	1,667.95	1/4	1,404.60	1/4	1,141.09	1/4	879.52	1/4	620.01	1/4	356.52	1/4	93.15	1/4		1/4		1/4	
1/2	1,662.46	1/2	1,399.11	1/2	1,135.60	1/2	874.12	1/2	614.52	1/2	351.03	1/2	87.70	1/2		1/2		1/2	
3/4	1,656.97	3/4	1,393.62	3/4	1,130.11	3/4	868.71	3/4	609.03	3/4	345.54	3/4	82.25	3/4		3/4		3/4	
2	1,651.49	2	1,388.13	2	1,124.62	2	863.31	2	603.54	2	340.05	2	76.79	2		2		2	
1/4	1,646.00	1/4	1,382.64	1/4	1,119.13	1/4	857.90	1/4	598.05	1/4	334.56	1/4	71.36	1/4		1/4		1/4	
1/2	1,640.51	1/2	1,377.15	1/2	1,113.64	1/2	852.50	1/2	592.56	1/2	329.07	1/2	65.94	1/2		1/2		1/2	
3/4	1,635.03	3/4	1,371.66	3/4	1,108.15	3/4	847.09	3/4	587.07	3/4	323.58	3/4	60.51	3/4		3/4		3/4	
3	1,629.54	3	1,366.17	3	1,102.66	3	841.69	3	581.59	3	318.09	3	55.09	3		3		3	
1/4	1,624.06	1/4	1,360.68	1/4	1,097.17	1/4	836.28	1/4	576.10	1/4	312.60	1/4	49.71	1/4		1/4		1/4	
1/2	1,618.57	1/2	1,355.19	1/2	1,091.68	1/2	830.88	1/2	570.61	1/2	307.12	1/2	44.33	1/2		1/2		1/2	
3/4	1,613.08	3/4	1,349.70	3/4	1,086.19	3/4	825.47	3/4	565.12	3/4	301.63	3/4	38.96	3/4		3/4		3/4	
4	1,607.60	4	1,344.21	4	1,080.70	4	820.07	4	559.63	4	296.14	4	33.58	4		4		4	
1/4	1,602.11	1/4	1,338.72	1/4	1,075.21	1/4	814.67	1/4	554.14	1/4	290.65	1/4	29.02	1/4		1/4		1/4	
1/2	1,596.62	1/2	1,333.23	1/2	1,069.72	1/2	809.27	1/2	548.65	1/2	285.16	1/2	24.45	1/2		1/2		1/2	
3/4	1,591.14	3/4	1,327.74	3/4	1,064.23	3/4	803.87	3/4	543.16	3/4	279.67	3/4	19.88	3/4		3/4		3/4	
5	1,585.65	5	1,322.25	5	1,058.74	5	798.47	5	537.67	5	274.18	5	15.32	5		5		5	
1/4	1,580.16	1/4	1,316.76	1/4	1,053.25	1/4	793.07	1/4	532.18	1/4	268.69	1/4	12.57	1/4		1/4		1/4	
1/2	1,574.68	1/2	1,311.27	1/2	1,047.76	1/2	787.67	1/2	526.69	1/2	263.20	1/2	9.83	1/2		1/2		1/2	
3/4	1,569.19	3/4	1,305.78	3/4	1,042.27	3/4	782.27	3/4	521.20	3/4	257.71	3/4	7.08	3/4		3/4		3/4	
6	1,563.71	6	1,300.29	6	1,036.78	6	776.87	6	515.71	6	252.22	6	4.34	6		6		6	
1/4	1,558.22	1/4	1,294.80	1/4	1,031.29	1/4	771.47	1/4	510.22	1/4	246.73	1/4	3.42	1/4		1/4		1/4	
1/2	1,552.73	1/2	1,289.31	1/2	1,025.80	1/2	766.07	1/2	504.73	1/2	241.24	1/2	2.51	1/2		1/2		1/2	
3/4	1,547.25	3/4	1,283.82	3/4	1,020.31	3/4	760.67	3/4	499.24	3/4	235.75	3/4	1.59	3/4		3/4		3/4	
7	1,541.76	7	1,278.33	7	1,014.82	7	755.27	7	493.75	7	230.26	7	0.68	7		7		7	
1/4	1,536.27	1/4	1,272.84	1/4	1,009.37	1/4	749.87	1/4	488.27	1/4	224.77	1/4		1/4		1/4		1/4	
1/2	1,530.79	1/2	1,267.35	1/2	1,003.93	1/2	744.48	1/2	482.78	1/2	219.28	1/2		1/2		1/2		1/2	
3/4	1,525.30	3/4	1,261.86	3/4	998.48	3/4	739.08	3/4	477.29	3/4	213.80	3/4		3/4		3/4		3/4	
8	1,519.81	8	1,256.37	8	993.03	8	733.68	8	471.80	8	208.31	8		8		8		8	
1/4	1,514.33	1/4	1,250.88	1/4	987.62	1/4	728.28	1/4	466.31	1/4	202.82	1/4		1/4		1/4		1/4	
1/2	1,508.84	1/2	1,245.39	1/2	982.22	1/2	722.88	1/2	460.82	1/2	197.33	1/2		1/2		1/2		1/2	
3/4	1,503.35	3/4	1,239.90	3/4	976.81	3/4	717.48	3/4	455.33	3/4	191.84	3/4		3/4		3/4		3/4	
9	1,497.87	9	1,234.41	9	971.41	9	712.08	9	449.84	9	186.35	9		9		9		9	
1/4	1,492.38	1/4	1,228.92	1/4	966.00	1/4	706.68	1/4	444.35	1/4	180.86	1/4		1/4		1/4		1/4	
1/2	1,486.90	1/2	1,223.43	1/2	960.60	1/2	701.28	1/2	438.86	1/2	175.37	1/2		1/2		1/2		1/2	
3/4	1,481.41	3/4	1,217.94	3/4	955.19	3/4	695.88	3/4	433.37	3/4	169.88	3/4		3/4		3/4		3/4	
10	1,475.92	10	1,212.45	10	949.79	10	690.48	10	427.88	10	164.39	10		10		10		10	
1/4	1,470.44	1/4	1,206.96	1/4	944.38	1/4	685.08	1/4	422.39	1/4	158.90	1/4		1/4		1/4		1/4	
1/2	1,464.95	1/2	1,201.47	1/2	938.98	1/2	679.68	1/2	416.90	1/2	153.41	1/2		1/2		1/2		1/2	
3/4	1,459.46	3/4	1,195.98	3/4	933.57	3/4	674.28	3/4	411.41	3/4	147.92	3/4		3/4		3/4		3/4	
11	1,453.98	11	1,190.49	11	928.17	11	668.88	11	405.92	11	142.44	11		11		11		11	
1/4	1,448.49	1/4	1,185.00	1/4	922.76	1/4	663.48	1/4	400.44	1/4	136.95	1/4		1/4		1/4		1/4	
1/2	1,443.00	1/2	1,179.51	1/2	917.36	1/2	658.08	1/2	394.95	1/2	131.47	1/2		1/2		1/2		1/2	
3/4	1,437.52	3/4	1,174.02	3/4	911.95	3/4	652.68	3/4	389.46	3/4	125.98	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2014 SW
CALCULATED: 03/28/2014 CL
PRINTED: 03/28/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2014

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



BARGE "KIRBY 10117"

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	3,250.10	0	2,990.22	0	2,730.35	0	2,470.13	0	2,208.86	0	1,947.58
1/4		1/4		1/4		1/4		1/4	3,244.68	1/4	2,984.81	1/4	2,724.94	1/4	2,464.69	1/4	2,203.41	1/4	1,942.14
1/2		1/2		1/2		1/2		1/2	3,239.27	1/2	2,979.40	1/2	2,719.52	1/2	2,459.24	1/2	2,197.97	1/2	1,936.70
3/4		3/4		3/4		3/4		3/4	3,233.86	3/4	2,973.98	3/4	2,714.11	3/4	2,453.80	3/4	2,192.53	3/4	1,931.25
1		1		1		1	3,453.35	1	3,228.44	1	2,968.57	1	2,708.70	1	2,448.36	1	2,187.08	1	1,925.81
1/4		1/4		1/4		1/4	3,452.44	1/4	3,223.03	1/4	2,963.15	1/4	2,703.28	1/4	2,442.91	1/4	2,181.64	1/4	1,920.37
1/2		1/2		1/2		1/2	3,451.53	1/2	3,217.61	1/2	2,957.74	1/2	2,697.87	1/2	2,437.47	1/2	2,176.20	1/2	1,914.92
3/4		3/4		3/4		3/4	3,450.62	3/4	3,212.20	3/4	2,952.33	3/4	2,692.45	3/4	2,432.03	3/4	2,170.75	3/4	1,909.48
2		2		2		2	3,449.72	2	3,206.79	2	2,946.91	2	2,687.04	2	2,426.58	2	2,165.31	2	1,904.04
1/4		1/4		1/4		1/4	3,446.99	1/4	3,201.37	1/4	2,941.50	1/4	2,681.63	1/4	2,421.14	1/4	2,159.87	1/4	1,898.59
1/2		1/2		1/2		1/2	3,444.27	1/2	3,195.96	1/2	2,936.08	1/2	2,676.21	1/2	2,415.70	1/2	2,154.42	1/2	1,893.15
3/4		3/4		3/4		3/4	3,441.55	3/4	3,190.54	3/4	2,930.67	3/4	2,670.80	3/4	2,410.26	3/4	2,148.98	3/4	1,887.71
3		3		3		3	3,438.82	3	3,185.13	3	2,925.26	3	2,665.38	3	2,404.81	3	2,143.54	3	1,882.26
1/4		1/4		1/4		1/4	3,434.41	1/4	3,179.72	1/4	2,919.84	1/4	2,659.97	1/4	2,399.37	1/4	2,138.10	1/4	1,876.82
1/2		1/2		1/2		1/2	3,430.00	1/2	3,174.30	1/2	2,914.43	1/2	2,654.56	1/2	2,393.93	1/2	2,132.65	1/2	1,871.38
3/4		3/4		3/4		3/4	3,425.59	3/4	3,168.89	3/4	2,909.01	3/4	2,649.14	3/4	2,388.48	3/4	2,127.21	3/4	1,865.94
4		4		4		4	3,421.19	4	3,163.47	4	2,903.60	4	2,643.73	4	2,383.04	4	2,121.77	4	1,860.49
1/4		1/4		1/4		1/4	3,415.91	1/4	3,158.06	1/4	2,898.19	1/4	2,638.31	1/4	2,377.60	1/4	2,116.32	1/4	1,855.05
1/2		1/2		1/2		1/2	3,410.64	1/2	3,152.65	1/2	2,892.77	1/2	2,632.90	1/2	2,372.15	1/2	2,110.88	1/2	1,849.61
3/4		3/4		3/4		3/4	3,405.36	3/4	3,147.23	3/4	2,887.36	3/4	2,627.49	3/4	2,366.71	3/4	2,105.44	3/4	1,844.16
5		5		5		5	3,400.09	5	3,141.82	5	2,881.94	5	2,622.07	5	2,361.27	5	2,099.99	5	1,838.72
1/4		1/4		1/4		1/4	3,394.78	1/4	3,136.40	1/4	2,876.53	1/4	2,616.66	1/4	2,355.82	1/4	2,094.55	1/4	1,833.28
1/2		1/2		1/2		1/2	3,389.47	1/2	3,130.99	1/2	2,871.12	1/2	2,611.24	1/2	2,350.38	1/2	2,089.11	1/2	1,827.83
3/4		3/4		3/4		3/4	3,384.17	3/4	3,125.58	3/4	2,865.70	3/4	2,605.83	3/4	2,344.94	3/4	2,083.66	3/4	1,822.39
6		6		6		6	3,378.86	6	3,120.16	6	2,860.29	6	2,600.42	6	2,339.49	6	2,078.22	6	1,816.95
1/4		1/4		1/4		1/4	3,373.54	1/4	3,114.75	1/4	2,854.87	1/4	2,595.00	1/4	2,334.05	1/4	2,072.78	1/4	1,811.50
1/2		1/2		1/2		1/2	3,368.22	1/2	3,109.33	1/2	2,849.46	1/2	2,589.59	1/2	2,328.61	1/2	2,067.33	1/2	1,806.06
3/4		3/4		3/4		3/4	3,362.90	3/4	3,103.92	3/4	2,844.05	3/4	2,584.17	3/4	2,323.16	3/4	2,061.89	3/4	1,800.62
7		7		7		7	3,357.58	7	3,098.50	7	2,838.63	7	2,578.76	7	2,317.72	7	2,056.45	7	1,795.17
1/4		1/4		1/4		1/4	3,352.26	1/4	3,093.09	1/4	2,833.22	1/4	2,573.35	1/4	2,312.28	1/4	2,051.00	1/4	1,789.73
1/2		1/2		1/2		1/2	3,346.95	1/2	3,087.68	1/2	2,827.80	1/2	2,567.93	1/2	2,306.83	1/2	2,045.56	1/2	1,784.29
3/4		3/4		3/4		3/4	3,341.64	3/4	3,082.26	3/4	2,822.39	3/4	2,562.52	3/4	2,301.39	3/4	2,040.12	3/4	1,778.84
8		8		8		8	3,336.32	8	3,076.85	8	2,816.98	8	2,557.10	8	2,295.95	8	2,034.67	8	1,773.40
1/4		1/4		1/4		1/4	3,331.01	1/4	3,071.43	1/4	2,811.56	1/4	2,551.69	1/4	2,290.50	1/4	2,029.23	1/4	1,767.96
1/2		1/2		1/2		1/2	3,325.69	1/2	3,066.02	1/2	2,806.15	1/2	2,546.28	1/2	2,285.06	1/2	2,023.79	1/2	1,762.51
3/4		3/4		3/4		3/4	3,320.38	3/4	3,060.61	3/4	2,800.73	3/4	2,540.86	3/4	2,279.62	3/4	2,018.34	3/4	1,757.07
9		9		9		9	3,315.07	9	3,055.19	9	2,795.32	9	2,535.45	9	2,274.18	9	2,012.90	9	1,751.63
1/4		1/4		1/4		1/4	3,309.65	1/4	3,049.78	1/4	2,789.91	1/4	2,530.01	1/4	2,268.73	1/4	2,007.46	1/4	1,746.18
1/2		1/2		1/2		1/2	3,304.24	1/2	3,044.36	1/2	2,784.49	1/2	2,524.56	1/2	2,263.29	1/2	2,002.02	1/2	1,740.74
3/4		3/4		3/4		3/4	3,298.82	3/4	3,038.95	3/4	2,779.08	3/4	2,519.12	3/4	2,257.85	3/4	1,996.57	3/4	1,735.30
10		10		10		10	3,293.41	10	3,033.54	10	2,773.66	10	2,513.68	10	2,252.40	10	1,991.13	10	1,729.86
1/4		1/4		1/4		1/4	3,288.00	1/4	3,028.12	1/4	2,768.25	1/4	2,508.23	1/4	2,246.96	1/4	1,985.69	1/4	1,724.41
1/2		1/2		1/2		1/2	3,282.58	1/2	3,022.71	1/2	2,762.84	1/2	2,502.79	1/2	2,241.52	1/2	1,980.24	1/2	1,718.97
3/4		3/4		3/4		3/4	3,277.17	3/4	3,017.29	3/4	2,757.42	3/4	2,497.35	3/4	2,236.07	3/4	1,974.80	3/4	1,713.53
11		11		11		11	3,271.75	11	3,011.88	11	2,752.01	11	2,491.90	11	2,230.63	11	1,969.36	11	1,708.08
1/4		1/4		1/4		1/4	3,266.34	1/4	3,006.47	1/4	2,746.59	1/4	2,486.46	1/4	2,225.19	1/4	1,963.91	1/4	1,702.64
1/2		1/2		1/2		1/2	3,260.93	1/2	3,001.05	1/2	2,741.18	1/2	2,481.02	1/2	2,219.74	1/2	1,958.47	1/2	1,697.20
3/4		3/4		3/4		3/4	3,255.51	3/4	2,995.64	3/4	2,735.77	3/4	2,475.57	3/4	2,214.30	3/4	1,953.03	3/4	1,691.75

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 10117"

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	1,686.31	0	1,425.04	0	1,163.61	0	902.90	0	642.37	0	380.95	0	119.56	0		0		0	
1/4	1,680.87	1/4	1,419.59	1/4	1,158.17	1/4	897.49	1/4	636.92	1/4	375.50	1/4	114.13	1/4		1/4		1/4	
1/2	1,675.42	1/2	1,414.15	1/2	1,152.72	1/2	892.08	1/2	631.47	1/2	370.06	1/2	108.70	1/2		1/2		1/2	
3/4	1,669.98	3/4	1,408.71	3/4	1,147.27	3/4	886.67	3/4	626.03	3/4	364.61	3/4	103.27	3/4		3/4		3/4	
1	1,664.54	1	1,403.26	1	1,141.83	1	881.26	1	620.58	1	359.17	1	97.84	1		1		1	
1/4	1,659.09	1/4	1,397.82	1/4	1,136.38	1/4	875.85	1/4	615.14	1/4	353.72	1/4	92.43	1/4		1/4		1/4	
1/2	1,653.65	1/2	1,392.37	1/2	1,130.93	1/2	870.44	1/2	609.69	1/2	348.27	1/2	87.01	1/2		1/2		1/2	
3/4	1,648.21	3/4	1,386.92	3/4	1,125.49	3/4	865.03	3/4	604.24	3/4	342.83	3/4	81.60	3/4		3/4		3/4	
2	1,642.76	2	1,381.48	2	1,120.04	2	859.62	2	598.80	2	337.38	2	76.19	2		2		2	
1/4	1,637.32	1/4	1,376.03	1/4	1,114.59	1/4	854.21	1/4	593.35	1/4	331.93	1/4	70.81	1/4		1/4		1/4	
1/2	1,631.88	1/2	1,370.58	1/2	1,109.15	1/2	848.80	1/2	587.91	1/2	326.49	1/2	65.42	1/2		1/2		1/2	
3/4	1,626.43	3/4	1,365.14	3/4	1,103.70	3/4	843.39	3/4	582.46	3/4	321.04	3/4	60.04	3/4		3/4		3/4	
3	1,620.99	3	1,359.69	3	1,098.25	3	837.98	3	577.01	3	315.60	3	54.66	3		3		3	
1/4	1,615.55	1/4	1,354.24	1/4	1,092.81	1/4	832.57	1/4	571.57	1/4	310.15	1/4	49.32	1/4		1/4		1/4	
1/2	1,610.10	1/2	1,348.80	1/2	1,087.36	1/2	827.16	1/2	566.12	1/2	304.70	1/2	43.99	1/2		1/2		1/2	
3/4	1,604.66	3/4	1,343.35	3/4	1,081.91	3/4	821.75	3/4	560.67	3/4	299.26	3/4	38.66	3/4		3/4		3/4	
4	1,599.22	4	1,337.90	4	1,076.47	4	816.34	4	555.23	4	293.81	4	33.32	4		4		4	
1/4	1,593.78	1/4	1,332.46	1/4	1,071.02	1/4	810.93	1/4	549.78	1/4	288.36	1/4	28.79	1/4		1/4		1/4	
1/2	1,588.33	1/2	1,327.01	1/2	1,065.57	1/2	805.53	1/2	544.34	1/2	282.92	1/2	24.26	1/2		1/2		1/2	
3/4	1,582.89	3/4	1,321.56	3/4	1,060.13	3/4	800.12	3/4	538.89	3/4	277.47	3/4	19.73	3/4		3/4		3/4	
5	1,577.45	5	1,316.12	5	1,054.68	5	794.72	5	533.44	5	272.03	5	15.20	5		5		5	
1/4	1,572.00	1/4	1,310.67	1/4	1,049.23	1/4	789.28	1/4	528.00	1/4	266.58	1/4	12.48	1/4		1/4		1/4	
1/2	1,566.56	1/2	1,305.22	1/2	1,043.79	1/2	783.84	1/2	522.55	1/2	261.13	1/2	9.75	1/2		1/2		1/2	
3/4	1,561.12	3/4	1,299.78	3/4	1,038.34	3/4	778.39	3/4	517.11	3/4	255.69	3/4	7.03	3/4		3/4		3/4	
6	1,555.67	6	1,294.33	6	1,032.89	6	772.95	6	511.66	6	250.24	6	4.31	6		6		6	
1/4	1,550.23	1/4	1,288.88	1/4	1,027.45	1/4	767.51	1/4	506.21	1/4	244.80	1/4	3.40	1/4		1/4		1/4	
1/2	1,544.79	1/2	1,283.44	1/2	1,022.00	1/2	762.07	1/2	500.77	1/2	239.35	1/2	2.49	1/2		1/2		1/2	
3/4	1,539.34	3/4	1,277.99	3/4	1,016.55	3/4	756.63	3/4	495.32	3/4	233.90	3/4	1.59	3/4		3/4		3/4	
7	1,533.90	7	1,272.54	7	1,011.11	7	751.19	7	489.87	7	228.46	7	0.68	7		7		7	
1/4	1,528.46	1/4	1,267.10	1/4	1,005.70	1/4	745.75	1/4	484.43	1/4	223.01	1/4		1/4		1/4		1/4	
1/2	1,523.01	1/2	1,261.65	1/2	1,000.29	1/2	740.30	1/2	478.98	1/2	217.56	1/2		1/2		1/2		1/2	
3/4	1,517.57	3/4	1,256.21	3/4	994.88	3/4	734.86	3/4	473.54	3/4	212.12	3/4		3/4		3/4		3/4	
8	1,512.13	8	1,250.76	8	989.47	8	729.42	8	468.09	8	206.67	8		8		8		8	
1/4	1,506.68	1/4	1,245.31	1/4	984.06	1/4	723.98	1/4	462.64	1/4	201.23	1/4		1/4		1/4		1/4	
1/2	1,501.24	1/2	1,239.87	1/2	978.65	1/2	718.54	1/2	457.20	1/2	195.78	1/2		1/2		1/2		1/2	
3/4	1,495.80	3/4	1,234.42	3/4	973.24	3/4	713.10	3/4	451.75	3/4	190.33	3/4		3/4		3/4		3/4	
9	1,490.35	9	1,228.97	9	967.83	9	707.66	9	446.30	9	184.89	9		9		9		9	
1/4	1,484.91	1/4	1,223.53	1/4	962.42	1/4	702.22	1/4	440.86	1/4	179.44	1/4		1/4		1/4		1/4	
1/2	1,479.47	1/2	1,218.08	1/2	957.01	1/2	696.77	1/2	435.41	1/2	173.99	1/2		1/2		1/2		1/2	
3/4	1,474.02	3/4	1,212.63	3/4	951.59	3/4	691.33	3/4	429.97	3/4	168.55	3/4		3/4		3/4		3/4	
10	1,468.58	10	1,207.19	10	946.18	10	685.89	10	424.52	10	163.10	10		10		10		10	
1/4	1,463.14	1/4	1,201.74	1/4	940.77	1/4	680.45	1/4	419.07	1/4	157.66	1/4		1/4		1/4		1/4	
1/2	1,457.70	1/2	1,196.29	1/2	935.36	1/2	675.01	1/2	413.63	1/2	152.21	1/2		1/2		1/2		1/2	
3/4	1,452.25	3/4	1,190.85	3/4	929.95	3/4	669.57	3/4	408.18	3/4	146.77	3/4		3/4		3/4		3/4	
11	1,446.81	11	1,185.40	11	924.54	11	664.13	11	402.73	11	141.32	11		11		11		11	
1/4	1,441.37	1/4	1,179.95	1/4	919.13	1/4	658.69	1/4	397.29	1/4	135.88	1/4		1/4		1/4		1/4	
1/2	1,435.92	1/2	1,174.51	1/2	913.72	1/2	653.25	1/2	391.84	1/2	130.44	1/2		1/2		1/2		1/2	
3/4	1,430.48	3/4	1,169.06	3/4	908.31	3/4	647.81	3/4	386.40	3/4	125.00	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2014 SW
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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2014

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