



BARGE "KIRBY 10442"

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	00-1/4	- 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'-03"

March 19, 2015

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 10442"

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	3,552.96	0	3,300.12	0	3,047.29	0	2,788.80	0	2,493.32	0	2,197.12		
1/4		1/4		1/4		1/4	3,547.69	1/4	3,294.86	1/4	3,042.03	1/4	2,782.64	1/4	2,487.15	1/4	2,190.95		
1/2		1/2		1/2		1/2	3,763.20	1/2	3,542.42	1/2	3,289.59	1/2	3,036.76	1/2	2,776.49	1/2	2,480.98	1/2	2,184.78
3/4		3/4		3/4		3/4	3,762.17	3/4	3,537.15	3/4	3,284.32	3/4	3,031.49	3/4	2,770.34	3/4	2,474.80	3/4	2,178.61
1		1		1		1	3,761.13	1	3,531.89	1	3,279.06	1	3,026.23	1	2,764.19	1	2,468.63	1	2,172.44
1/4		1/4		1/4		1/4	3,760.10	1/4	3,526.62	1/4	3,273.79	1/4	3,020.96	1/4	2,758.04	1/4	2,462.46	1/4	2,166.26
1/2		1/2		1/2		1/2	3,759.07	1/2	3,521.35	1/2	3,268.52	1/2	3,016.69	1/2	2,751.89	1/2	2,456.29	1/2	2,160.09
3/4		3/4		3/4		3/4	3,755.97	3/4	3,516.08	3/4	3,263.25	3/4	3,010.42	3/4	2,745.73	3/4	2,450.12	3/4	2,153.92
2		2		2		2	3,752.87	2	3,510.82	2	3,257.99	2	3,005.16	2	2,739.58	2	2,443.95	2	2,147.75
1/4		1/4		1/4		1/4	3,749.78	1/4	3,505.55	1/4	3,252.72	1/4	2,999.89	1/4	2,733.43	1/4	2,437.78	1/4	2,141.58
1/2		1/2		1/2		1/2	3,746.68	1/2	3,500.28	1/2	3,247.45	1/2	2,994.62	1/2	2,727.28	1/2	2,431.61	1/2	2,135.41
3/4		3/4		3/4		3/4	3,742.53	3/4	3,495.01	3/4	3,242.18	3/4	2,989.35	3/4	2,721.13	3/4	2,425.44	3/4	2,129.24
3		3		3		3	3,738.38	3	3,489.75	3	3,236.92	3	2,984.09	3	2,714.97	3	2,419.27	3	2,123.07
1/4		1/4		1/4		1/4	3,734.23	1/4	3,484.48	1/4	3,231.65	1/4	2,978.82	1/4	2,708.82	1/4	2,413.10	1/4	2,116.90
1/2		1/2		1/2		1/2	3,730.09	1/2	3,479.21	1/2	3,226.38	1/2	2,973.55	1/2	2,702.67	1/2	2,406.93	1/2	2,110.73
3/4		3/4		3/4		3/4	3,724.95	3/4	3,473.95	3/4	3,221.12	3/4	2,968.28	3/4	2,696.52	3/4	2,400.75	3/4	2,104.56
4		4		4		4	3,719.82	4	3,468.68	4	3,215.85	4	2,963.02	4	2,690.37	4	2,394.58	4	2,098.39
1/4		1/4		1/4		1/4	3,714.69	1/4	3,463.41	1/4	3,210.58	1/4	2,957.75	1/4	2,684.21	1/4	2,388.41	1/4	2,092.21
1/2		1/2		1/2		1/2	3,709.55	1/2	3,458.14	1/2	3,205.31	1/2	2,952.48	1/2	2,678.06	1/2	2,382.24	1/2	2,086.04
3/4		3/4		3/4		3/4	3,704.38	3/4	3,452.88	3/4	3,200.05	3/4	2,947.22	3/4	2,671.91	3/4	2,376.07	3/4	2,079.87
5		5		5		5	3,699.22	5	3,447.61	5	3,194.78	5	2,941.95	5	2,665.76	5	2,369.90	5	2,073.70
1/4		1/4		1/4		1/4	3,694.05	1/4	3,442.34	1/4	3,189.51	1/4	2,936.68	1/4	2,659.61	1/4	2,363.73	1/4	2,067.53
1/2		1/2		1/2		1/2	3,688.88	1/2	3,437.07	1/2	3,184.24	1/2	2,931.41	1/2	2,653.46	1/2	2,357.56	1/2	2,061.36
3/4		3/4		3/4		3/4	3,683.69	3/4	3,431.81	3/4	3,178.98	3/4	2,926.15	3/4	2,647.30	3/4	2,351.39	3/4	2,055.19
6		6		6		6	3,678.51	6	3,426.54	6	3,173.71	6	2,920.88	6	2,641.15	6	2,345.22	6	2,049.02
1/4		1/4		1/4		1/4	3,673.33	1/4	3,421.27	1/4	3,168.44	1/4	2,915.61	1/4	2,635.00	1/4	2,339.05	1/4	2,042.85
1/2		1/2		1/2		1/2	3,668.14	1/2	3,416.01	1/2	3,163.18	1/2	2,910.34	1/2	2,628.85	1/2	2,332.88	1/2	2,036.68
3/4		3/4		3/4		3/4	3,662.96	3/4	3,410.74	3/4	3,157.91	3/4	2,905.08	3/4	2,622.70	3/4	2,326.71	3/4	2,030.51
7		7		7		7	3,657.78	7	3,405.47	7	3,152.64	7	2,899.81	7	2,616.54	7	2,320.53	7	2,024.34
1/4		1/4		1/4		1/4	3,652.60	1/4	3,400.20	1/4	3,147.37	1/4	2,894.54	1/4	2,610.39	1/4	2,314.36	1/4	2,018.17
1/2		1/2		1/2		1/2	3,647.42	1/2	3,394.94	1/2	3,142.11	1/2	2,889.28	1/2	2,604.24	1/2	2,308.19	1/2	2,011.99
3/4		3/4		3/4		3/4	3,642.24	3/4	3,389.67	3/4	3,136.84	3/4	2,884.01	3/4	2,598.09	3/4	2,302.02	3/4	2,005.82
8		8		8		8	3,637.06	8	3,384.40	8	3,131.57	8	2,878.74	8	2,591.94	8	2,295.85	8	1,999.65
1/4		1/4		1/4		1/4	3,631.88	1/4	3,379.13	1/4	3,126.30	1/4	2,873.47	1/4	2,585.78	1/4	2,289.68	1/4	1,993.48
1/2		1/2		1/2		1/2	3,626.70	1/2	3,373.87	1/2	3,121.04	1/2	2,868.21	1/2	2,579.63	1/2	2,283.51	1/2	1,987.31
3/4		3/4		3/4		3/4	3,621.43	3/4	3,368.60	3/4	3,115.77	3/4	2,862.91	3/4	2,573.48	3/4	2,277.34	3/4	1,981.14
9		9		9		9	3,616.16	9	3,363.33	9	3,110.50	9	2,857.62	9	2,567.33	9	2,271.17	9	1,974.97
1/4		1/4		1/4		1/4	3,610.90	1/4	3,358.07	1/4	3,105.23	1/4	2,852.33	1/4	2,561.18	1/4	2,265.00	1/4	1,968.80
1/2		1/2		1/2		1/2	3,605.63	1/2	3,352.80	1/2	3,099.97	1/2	2,847.04	1/2	2,555.02	1/2	2,258.83	1/2	1,962.63
3/4		3/4		3/4		3/4	3,600.36	3/4	3,347.53	3/4	3,094.70	3/4	2,841.75	3/4	2,548.85	3/4	2,252.66	3/4	1,956.46
10		10		10		10	3,595.09	10	3,342.26	10	3,089.43	10	2,836.45	10	2,542.68	10	2,246.48	10	1,950.29
1/4		1/4		1/4		1/4	3,589.83	1/4	3,337.00	1/4	3,084.17	1/4	2,831.16	1/4	2,536.51	1/4	2,240.31	1/4	1,944.12
1/2		1/2		1/2		1/2	3,584.56	1/2	3,331.73	1/2	3,078.90	1/2	2,825.87	1/2	2,530.34	1/2	2,234.14	1/2	1,937.94
3/4		3/4		3/4		3/4	3,579.29	3/4	3,326.46	3/4	3,073.63	3/4	2,819.58	3/4	2,524.17	3/4	2,227.97	3/4	1,931.77
11		11		11		11	3,574.02	11	3,321.19	11	3,068.36	11	2,813.48	11	2,518.00	11	2,221.80	11	1,925.60
1/4		1/4		1/4		1/4	3,568.76	1/4	3,315.93	1/4	3,063.10	1/4	2,807.29	1/4	2,511.83	1/4	2,215.63	1/4	1,919.43
1/2		1/2		1/2		1/2	3,563.49	1/2	3,310.66	1/2	3,057.83	1/2	2,801.10	1/2	2,505.66	1/2	2,209.46	1/2	1,913.26
3/4		3/4		3/4		3/4	3,558.22	3/4	3,305.39	3/4	3,052.56	3/4	2,794.95	3/4	2,499.49	3/4	2,203.29	3/4	1,907.09

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 10442"

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	1,900.92	0	1,604.60	0	1,307.90	0	1,011.30	0	720.53	0	424.00	0	127.18	0	0	0	0	0	0
1/4	1,894.75	1/4	1,598.32	1/4	1,301.72	1/4	1,005.12	1/4	714.44	1/4	417.81	1/4	121.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,888.58	1/2	1,592.14	1/2	1,295.54	1/2	998.94	1/2	708.36	1/2	411.63	1/2	114.83	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,882.41	3/4	1,585.96	3/4	1,289.36	3/4	992.76	3/4	702.19	3/4	405.45	3/4	108.67	3/4	3/4	3/4	3/4	3/4	3/4
1	1,876.24	1	1,579.79	1	1,283.18	1	986.58	1	696.03	1	399.26	1	102.52	1	1	1	1	1	1
1 1/4	1,870.07	1 1/4	1,573.61	1 1/4	1,277.00	1 1/4	980.40	1 1/4	689.86	1 1/4	393.08	1 1/4	96.36	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,863.90	1 1/2	1,567.43	1 1/2	1,270.83	1 1/2	974.22	1 1/2	683.70	1 1/2	386.90	1 1/2	90.20	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1,857.72	1 3/4	1,561.25	1 3/4	1,264.65	1 3/4	968.11	1 3/4	677.52	1 3/4	380.71	1 3/4	84.08	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	1,851.55	2	1,555.07	2	1,258.47	2	961.99	2	671.33	2	374.53	2	77.96	2	2	2	2	2	2
2 1/4	1,845.38	2 1/4	1,548.89	2 1/4	1,252.29	2 1/4	955.87	2 1/4	665.15	2 1/4	368.35	2 1/4	71.83	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	1,839.21	2 1/2	1,542.71	2 1/2	1,246.11	2 1/2	949.76	2 1/2	658.97	2 1/2	362.16	2 1/2	65.71	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	1,833.04	2 3/4	1,536.53	2 3/4	1,239.93	2 3/4	943.70	2 3/4	652.79	2 3/4	355.98	2 3/4	59.64	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	1,826.87	3	1,530.35	3	1,233.75	3	937.65	3	646.60	3	349.79	3	53.57	3	3	3	3	3	3
3 1/4	1,820.70	3 1/4	1,524.17	3 1/4	1,227.57	3 1/4	931.60	3 1/4	640.42	3 1/4	343.61	3 1/4	47.51	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	1,814.53	3 1/2	1,517.99	3 1/2	1,221.39	3 1/2	925.54	3 1/2	634.24	3 1/2	337.43	3 1/2	41.44	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	1,808.35	3 3/4	1,511.81	3 3/4	1,215.21	3 3/4	919.49	3 3/4	628.06	3 3/4	331.24	3 3/4	36.29	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	1,802.17	4	1,505.64	4	1,209.03	4	913.44	4	621.87	4	325.06	4	31.13	4	4	4	4	4	4
4 1/4	1,796.99	4 1/4	1,499.46	4 1/4	1,202.85	4 1/4	907.39	4 1/4	615.69	4 1/4	318.88	4 1/4	25.98	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	1,789.81	4 1/2	1,493.28	4 1/2	1,196.68	4 1/2	901.33	4 1/2	609.51	4 1/2	312.69	4 1/2	20.83	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	1,783.63	4 3/4	1,487.10	4 3/4	1,190.50	4 3/4	895.30	4 3/4	603.32	4 3/4	306.51	4 3/4	17.73	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	1,777.45	5	1,480.92	5	1,184.32	5	889.26	5	597.14	5	300.33	5	14.63	5	5	5	5	5	5
5 1/4	1,771.28	5 1/4	1,474.74	5 1/4	1,178.14	5 1/4	883.22	5 1/4	590.95	5 1/4	294.14	5 1/4	11.53	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	1,765.10	5 1/2	1,468.56	5 1/2	1,171.96	5 1/2	877.18	5 1/2	584.77	5 1/2	287.96	5 1/2	8.44	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	1,758.92	5 3/4	1,462.38	5 3/4	1,165.78	5 3/4	871.16	5 3/4	578.59	5 3/4	281.77	5 3/4	7.40	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	1,752.74	6	1,456.20	6	1,159.60	6	865.14	6	572.40	6	275.59	6	6.37	6	6	6	6	6	6
6 1/4	1,746.56	6 1/4	1,450.02	6 1/4	1,153.42	6 1/4	859.12	6 1/4	566.22	6 1/4	269.41	6 1/4	5.34	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	1,740.38	6 1/2	1,443.84	6 1/2	1,147.24	6 1/2	853.10	6 1/2	560.04	6 1/2	263.22	6 1/2	4.31	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	1,734.20	6 3/4	1,437.66	6 3/4	1,141.06	6 3/4	847.08	6 3/4	553.85	6 3/4	257.04	6 3/4		6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	1,728.03	7	1,431.48	7	1,134.88	7	841.06	7	547.67	7	250.86	7		7	7	7	7	7	7
7 1/4	1,721.85	7 1/4	1,425.31	7 1/4	1,128.70	7 1/4	835.04	7 1/4	541.49	7 1/4	244.67	7 1/4		7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	1,715.67	7 1/2	1,419.13	7 1/2	1,122.52	7 1/2	829.02	7 1/2	535.30	7 1/2	238.49	7 1/2		7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	1,709.49	7 3/4	1,412.95	7 3/4	1,116.35	7 3/4	823.00	7 3/4	529.12	7 3/4	232.31	7 3/4		7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	1,703.32	8	1,406.77	8	1,110.17	8	816.98	8	522.94	8	226.12	8		8	8	8	8	8	8
8 1/4	1,697.14	8 1/4	1,400.59	8 1/4	1,103.99	8 1/4	810.96	8 1/4	516.75	8 1/4	219.94	8 1/4		8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	1,690.96	8 1/2	1,394.41	8 1/2	1,097.81	8 1/2	804.94	8 1/2	510.57	8 1/2	213.76	8 1/2		8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	1,684.79	8 3/4	1,388.23	8 3/4	1,091.63	8 3/4	798.92	8 3/4	504.38	8 3/4	207.57	8 3/4		8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	1,678.61	9	1,382.05	9	1,085.45	9	792.90	9	498.20	9	201.39	9		9	9	9	9	9	9
9 1/4	1,672.44	9 1/4	1,375.87	9 1/4	1,079.27	9 1/4	786.88	9 1/4	492.02	9 1/4	195.20	9 1/4		9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	1,666.26	9 1/2	1,369.69	9 1/2	1,073.09	9 1/2	780.86	9 1/2	485.83	9 1/2	189.02	9 1/2		9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	1,660.08	9 3/4	1,363.51	9 3/4	1,066.91	9 3/4	774.84	9 3/4	479.65	9 3/4	182.84	9 3/4		9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	1,653.91	10	1,357.33	10	1,060.73	10	768.82	10	473.47	10	176.66	10		10	10	10	10	10	10
10 1/4	1,647.73	10 1/4	1,351.16	10 1/4	1,054.55	10 1/4	762.80	10 1/4	467.28	10 1/4	170.47	10 1/4		10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	1,641.55	10 1/2	1,344.98	10 1/2	1,048.37	10 1/2	756.78	10 1/2	461.10	10 1/2	164.29	10 1/2		10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	1,635.38	10 3/4	1,338.80	10 3/4	1,042.20	10 3/4	750.76	10 3/4	454.92	10 3/4	158.10	10 3/4		10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	1,629.20	11	1,332.62	11	1,036.02	11	744.74	11	448.73	11	151.91	11		11	11	11	11	11	11
11 1/4	1,623.03	11 1/4	1,326.44	11 1/4	1,029.84	11 1/4	738.72	11 1/4	442.55	11 1/4	145.72	11 1/4		11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	1,616.85	11 1/2	1,320.26	11 1/2	1,023.66	11 1/2	732.70	11 1/2	436.36	11 1/2	139.53	11 1/2		11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	1,610.67	11 3/4	1,314.08	11 3/4	1,017.48	11 3/4	726.61	11 3/4	430.18	11 3/4	133.36	11 3/4		11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2015 CL
CALCULATED: 03/19/2015 CL
PRINTED: 03/19/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77688
<http://www.pmacorp.net>



BARGE "KIRBY 10442"

2 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	3,250.25	0	2,988.70	0	2,727.15	0	2,465.17	0	2,202.23	0	1,939.29
1/4		1/4		1/4		1/4	3,471.14	1/4	3,244.80	1/4	2,983.25	1/4	2,721.70	1/4	2,459.69	1/4	2,196.75	1/4	1,933.81
1/2		1/2		1/2		1/2	3,470.23	1/2	3,239.35	1/2	2,977.80	1/2	2,716.25	1/2	2,454.21	1/2	2,191.28	1/2	1,928.34
3/4		3/4		3/4		3/4	3,469.32	3/4	3,233.90	3/4	2,972.35	3/4	2,710.81	3/4	2,448.74	3/4	2,185.80	3/4	1,922.86
1		1		1		1	3,468.40	1	3,228.45	1	2,966.90	1	2,705.36	1	2,443.26	1	2,180.32	1	1,917.38
1/4		1/4		1/4		1/4	3,467.49	1/4	3,223.00	1/4	2,961.45	1/4	2,699.91	1/4	2,437.78	1/4	2,174.84	1/4	1,911.90
1/2		1/2		1/2		1/2	3,464.75	1/2	3,217.55	1/2	2,956.01	1/2	2,694.46	1/2	2,432.30	1/2	2,169.36	1/2	1,906.42
3/4		3/4		3/4		3/4	3,462.01	3/4	3,212.10	3/4	2,950.56	3/4	2,689.01	3/4	2,426.82	3/4	2,163.89	3/4	1,900.95
2		2		2		2	3,459.27	2	3,206.66	2	2,945.11	2	2,683.56	2	2,421.35	2	2,158.41	2	1,895.47
1/4		1/4		1/4		1/4	3,456.53	1/4	3,201.21	1/4	2,939.66	1/4	2,678.11	1/4	2,415.87	1/4	2,152.93	1/4	1,889.99
1/2		1/2		1/2		1/2	3,452.09	1/2	3,195.76	1/2	2,934.21	1/2	2,672.66	1/2	2,410.39	1/2	2,147.45	1/2	1,884.51
3/4		3/4		3/4		3/4	3,447.65	3/4	3,190.31	3/4	2,928.76	3/4	2,667.21	3/4	2,404.91	3/4	2,141.97	3/4	1,879.03
3		3		3		3	3,443.21	3	3,184.86	3	2,923.31	3	2,661.77	3	2,399.44	3	2,136.50	3	1,873.56
1/4		1/4		1/4		1/4	3,438.77	1/4	3,179.41	1/4	2,917.86	1/4	2,656.32	1/4	2,393.96	1/4	2,131.02	1/4	1,868.08
1/2		1/2		1/2		1/2	3,433.46	1/2	3,173.96	1/2	2,912.41	1/2	2,650.87	1/2	2,388.48	1/2	2,125.54	1/2	1,862.60
3/4		3/4		3/4		3/4	3,428.15	3/4	3,168.51	3/4	2,906.97	3/4	2,645.42	3/4	2,383.00	3/4	2,120.06	3/4	1,857.12
4		4		4		4	3,422.84	4	3,163.06	4	2,901.52	4	2,639.97	4	2,377.52	4	2,114.58	4	1,851.65
1/4		1/4		1/4		1/4	3,417.53	1/4	3,157.62	1/4	2,896.07	1/4	2,634.52	1/4	2,372.05	1/4	2,109.11	1/4	1,846.17
1/2		1/2		1/2		1/2	3,412.19	1/2	3,152.17	1/2	2,890.62	1/2	2,629.07	1/2	2,366.57	1/2	2,103.63	1/2	1,840.69
3/4		3/4		3/4		3/4	3,406.85	3/4	3,146.72	3/4	2,885.17	3/4	2,623.62	3/4	2,361.09	3/4	2,098.15	3/4	1,835.21
5		5		5		5	3,401.51	5	3,141.27	5	2,879.72	5	2,618.17	5	2,355.61	5	2,092.67	5	1,829.73
1/4		1/4		1/4		1/4	3,396.17	1/4	3,135.82	1/4	2,874.27	1/4	2,612.73	1/4	2,350.13	1/4	2,087.19	1/4	1,824.26
1/2		1/2		1/2		1/2	3,390.82	1/2	3,130.37	1/2	2,868.82	1/2	2,607.28	1/2	2,344.66	1/2	2,081.72	1/2	1,818.78
3/4		3/4		3/4		3/4	3,385.47	3/4	3,124.92	3/4	2,863.37	3/4	2,601.83	3/4	2,339.18	3/4	2,076.24	3/4	1,813.30
6		6		6		6	3,380.12	6	3,119.47	6	2,857.93	6	2,596.38	6	2,333.70	6	2,070.76	6	1,807.82
1/4		1/4		1/4		1/4	3,374.77	1/4	3,114.02	1/4	2,852.48	1/4	2,590.93	1/4	2,328.22	1/4	2,065.28	1/4	1,802.34
1/2		1/2		1/2		1/2	3,369.42	1/2	3,108.58	1/2	2,847.03	1/2	2,585.48	1/2	2,322.74	1/2	2,059.81	1/2	1,796.87
3/4		3/4		3/4		3/4	3,364.07	3/4	3,103.13	3/4	2,841.58	3/4	2,580.03	3/4	2,317.27	3/4	2,054.33	3/4	1,791.39
7		7		7		7	3,358.72	7	3,097.68	7	2,836.13	7	2,574.58	7	2,311.79	7	2,048.85	7	1,785.91
1/4		1/4		1/4		1/4	3,353.38	1/4	3,092.23	1/4	2,830.68	1/4	2,569.13	1/4	2,306.31	1/4	2,043.37	1/4	1,780.43
1/2		1/2		1/2		1/2	3,348.03	1/2	3,086.78	1/2	2,825.23	1/2	2,563.69	1/2	2,300.83	1/2	2,037.89	1/2	1,774.95
3/4		3/4		3/4		3/4	3,342.68	3/4	3,081.33	3/4	2,819.78	3/4	2,558.24	3/4	2,295.36	3/4	2,032.42	3/4	1,769.48
8		8		8		8	3,337.33	8	3,075.88	8	2,814.33	8	2,552.79	8	2,289.88	8	2,026.94	8	1,764.00
1/4		1/4		1/4		1/4	3,331.98	1/4	3,070.43	1/4	2,808.89	1/4	2,547.34	1/4	2,284.40	1/4	2,021.46	1/4	1,758.52
1/2		1/2		1/2		1/2	3,326.63	1/2	3,064.98	1/2	2,803.44	1/2	2,541.86	1/2	2,278.92	1/2	2,015.98	1/2	1,753.04
3/4		3/4		3/4		3/4	3,321.08	3/4	3,059.54	3/4	2,797.99	3/4	2,536.38	3/4	2,273.44	3/4	2,010.50	3/4	1,747.57
9		9		9		9	3,315.63	9	3,054.09	9	2,792.54	9	2,530.90	9	2,267.97	9	2,005.03	9	1,742.09
1/4		1/4		1/4		1/4	3,310.18	1/4	3,048.64	1/4	2,787.09	1/4	2,525.43	1/4	2,262.49	1/4	1,999.55	1/4	1,736.61
1/2		1/2		1/2		1/2	3,304.74	1/2	3,043.19	1/2	2,781.64	1/2	2,519.95	1/2	2,257.01	1/2	1,994.07	1/2	1,731.13
3/4		3/4		3/4		3/4	3,299.29	3/4	3,037.74	3/4	2,776.19	3/4	2,514.47	3/4	2,251.53	3/4	1,988.59	3/4	1,725.65
10		10		10		10	3,293.84	10	3,032.29	10	2,770.74	10	2,508.99	10	2,246.05	10	1,983.11	10	1,720.18
1/4		1/4		1/4		1/4	3,288.39	1/4	3,026.84	1/4	2,765.29	1/4	2,503.52	1/4	2,240.58	1/4	1,977.64	1/4	1,714.70
1/2		1/2		1/2		1/2	3,282.94	1/2	3,021.39	1/2	2,759.85	1/2	2,498.04	1/2	2,235.10	1/2	1,972.16	1/2	1,709.22
3/4		3/4		3/4		3/4	3,277.49	3/4	3,015.94	3/4	2,754.40	3/4	2,492.56	3/4	2,229.62	3/4	1,966.68	3/4	1,703.74
11		11		11		11	3,272.04	11	3,010.50	11	2,748.95	11	2,487.08	11	2,224.14	11	1,961.20	11	1,698.26
1/4		1/4		1/4		1/4	3,266.59	1/4	3,005.05	1/4	2,743.50	1/4	2,481.60	1/4	2,218.66	1/4	1,955.73	1/4	1,692.79
1/2		1/2		1/2		1/2	3,261.14	1/2	2,999.60	1/2	2,738.05	1/2	2,476.13	1/2	2,213.19	1/2	1,950.25	1/2	1,687.31
3/4		3/4		3/4		3/4	3,255.70	3/4	2,994.15	3/4	2,732.60	3/4	2,470.65	3/4	2,207.71	3/4	1,944.77	3/4	1,681.83

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 10442"

2 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	1,676.35	0	1,413.41	0	1,150.30	0	888.97	0	629.98	0	366.94	0	103.92	0		0			
1/4	1,670.87	1/4	1,407.94	1/4	1,144.82	1/4	883.58	1/4	624.54	1/4	361.45	1/4	98.46	1/4		1/4			
1/2	1,665.40	1/2	1,402.45	1/2	1,139.34	1/2	878.18	1/2	619.06	1/2	355.97	1/2	93.01	1/2		1/2			
3/4	1,659.92	3/4	1,396.97	3/4	1,133.86	3/4	872.78	3/4	613.58	3/4	350.49	3/4	87.56	3/4		3/4			
1	1,654.44	1	1,391.49	1	1,128.38	1	867.39	1	608.10	1	345.01	1	82.12	1		1			
1/4	1,648.96	1/4	1,386.01	1/4	1,122.90	1/4	861.99	1/4	602.62	1/4	339.53	1/4	76.67	1/4		1/4			
1/2	1,643.49	1/2	1,380.53	1/2	1,117.42	1/2	856.59	1/2	597.14	1/2	334.05	1/2	71.26	1/2		1/2			
3/4	1,638.01	3/4	1,375.05	3/4	1,111.93	3/4	851.20	3/4	591.66	3/4	328.57	3/4	65.84	3/4		3/4			
2	1,632.53	2	1,369.56	2	1,106.45	2	845.80	2	586.18	2	323.09	2	60.42	2		2			
1/4	1,627.05	1/4	1,364.08	1/4	1,100.97	1/4	840.40	1/4	580.69	1/4	317.61	1/4	55.00	1/4		1/4			
1/2	1,621.57	1/2	1,358.60	1/2	1,095.49	1/2	835.01	1/2	575.21	1/2	312.13	1/2	49.63	1/2		1/2			
3/4	1,616.10	3/4	1,353.12	3/4	1,090.01	3/4	829.51	3/4	569.73	3/4	306.64	3/4	44.27	3/4		3/4			
3	1,610.62	3	1,347.64	3	1,084.53	3	824.21	3	564.25	3	301.16	3	38.90	3		3			
1/4	1,605.14	1/4	1,342.16	1/4	1,079.05	1/4	818.82	1/4	558.77	1/4	295.68	1/4	33.53	1/4		1/4			
1/2	1,599.66	1/2	1,336.68	1/2	1,073.56	1/2	813.42	1/2	553.29	1/2	290.20	1/2	28.97	1/2		1/2			
3/4	1,594.18	3/4	1,331.19	3/4	1,068.08	3/4	808.03	3/4	547.81	3/4	284.72	3/4	24.41	3/4		3/4			
4	1,588.71	4	1,325.71	4	1,062.60	4	802.64	4	542.33	4	279.24	4	19.85	4		4			
1/4	1,583.23	1/4	1,320.23	1/4	1,057.12	1/4	797.25	1/4	536.85	1/4	273.76	1/4	15.29	1/4		1/4			
1/2	1,577.75	1/2	1,314.75	1/2	1,051.64	1/2	791.86	1/2	531.37	1/2	268.28	1/2	12.65	1/2		1/2			
3/4	1,572.27	3/4	1,309.27	3/4	1,046.16	3/4	786.47	3/4	525.88	3/4	262.80	3/4	9.81	3/4		3/4			
5	1,566.79	5	1,303.79	5	1,040.67	5	781.08	5	520.40	5	257.32	5	7.07	5		5			
1/4	1,561.32	1/4	1,298.31	1/4	1,035.19	1/4	775.68	1/4	514.92	1/4	251.83	1/4	4.33	1/4		1/4			
1/2	1,555.84	1/2	1,292.82	1/2	1,029.71	1/2	770.29	1/2	509.44	1/2	246.35	1/2	3.42	1/2		1/2			
3/4	1,550.36	3/4	1,287.34	3/4	1,024.23	3/4	764.90	3/4	503.96	3/4	240.87	3/4	2.50	3/4		3/4			
6	1,544.88	6	1,281.86	6	1,018.75	6	759.51	6	498.48	6	235.39	6	1.59	6		6			
1/4	1,539.40	1/4	1,276.38	1/4	1,013.27	1/4	754.12	1/4	493.00	1/4	229.91	1/4	0.68	1/4		1/4			
1/2	1,533.93	1/2	1,270.90	1/2	1,007.83	1/2	748.73	1/2	487.52	1/2	224.43	1/2		1/2		1/2			
3/4	1,528.45	3/4	1,265.42	3/4	1,002.39	3/4	743.34	3/4	482.04	3/4	218.95	3/4		3/4		3/4			
7	1,522.97	7	1,259.93	7	996.95	7	737.94	7	476.56	7	213.47	7		7		7			
1/4	1,517.49	1/4	1,254.45	1/4	991.51	1/4	732.55	1/4	471.07	1/4	207.99	1/4		1/4		1/4			
1/2	1,512.02	1/2	1,248.97	1/2	986.12	1/2	727.16	1/2	465.59	1/2	202.51	1/2		1/2		1/2			
3/4	1,506.54	3/4	1,243.49	3/4	980.72	3/4	721.77	3/4	460.11	3/4	197.02	3/4		3/4		3/4			
8	1,501.06	8	1,238.01	8	975.32	8	716.38	8	454.63	8	191.54	8		8		8			
1/4	1,495.58	1/4	1,232.53	1/4	969.93	1/4	710.99	1/4	449.15	1/4	186.06	1/4		1/4		1/4			
1/2	1,490.10	1/2	1,227.05	1/2	964.53	1/2	705.60	1/2	443.67	1/2	180.58	1/2		1/2		1/2			
3/4	1,484.63	3/4	1,221.56	3/4	959.13	3/4	700.20	3/4	438.19	3/4	175.10	3/4		3/4		3/4			
9	1,479.15	9	1,216.08	9	953.74	9	694.81	9	432.71	9	169.62	9		9		9			
1/4	1,473.67	1/4	1,210.60	1/4	948.34	1/4	689.42	1/4	427.23	1/4	164.14	1/4		1/4		1/4			
1/2	1,468.19	1/2	1,205.12	1/2	942.94	1/2	684.03	1/2	421.75	1/2	158.66	1/2		1/2		1/2			
3/4	1,462.71	3/4	1,199.64	3/4	937.54	3/4	678.64	3/4	416.26	3/4	153.18	3/4		3/4		3/4			
10	1,457.24	10	1,194.16	10	932.15	10	673.25	10	410.78	10	147.70	10		10		10			
1/4	1,451.76	1/4	1,188.68	1/4	926.75	1/4	667.86	1/4	405.30	1/4	142.22	1/4		1/4		1/4			
1/2	1,446.28	1/2	1,183.19	1/2	921.35	1/2	662.47	1/2	399.82	1/2	136.74	1/2		1/2		1/2			
3/4	1,440.80	3/4	1,177.71	3/4	915.96	3/4	657.08	3/4	394.34	3/4	131.27	3/4		3/4		3/4			
11	1,435.32	11	1,172.23	11	910.56	11	651.69	11	388.86	11	125.79	11		11		11			
1/4	1,429.85	1/4	1,166.75	1/4	905.16	1/4	646.29	1/4	383.38	1/4	120.32	1/4		1/4		1/4			
1/2	1,424.37	1/2	1,161.27	1/2	899.77	1/2	640.86	1/2	377.90	1/2	114.85	1/2		1/2		1/2			
3/4	1,418.89	3/4	1,155.79	3/4	894.37	3/4	635.42	3/4	372.42	3/4	109.39	3/4		3/4		3/4			

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PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77668
<http://www.pmacorp.net>



BARGE "KIRBY 10442"

3 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	1,675.84	0	1,414.60	0	1,153.00	0	892.30	0	631.63	0	370.15	0	108.72	0	0	0	0	0	0
1/4	1,670.39	1/4	1,409.06	1/4	1,147.56	1/4	886.89	1/4	626.18	1/4	364.70	1/4	103.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,664.95	1/2	1,403.61	1/2	1,142.11	1/2	881.48	1/2	620.74	1/2	359.26	1/2	97.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,659.50	3/4	1,398.16	3/4	1,136.66	3/4	876.07	3/4	615.29	3/4	353.81	3/4	92.45	3/4	3/4	3/4	3/4	3/4	3/4
1	1,654.06	1	1,392.72	1	1,131.21	1	870.65	1	609.84	1	348.36	1	87.04	1	1	1	1	1	1
1 1/4	1,648.62	1 1/4	1,387.27	1 1/4	1,125.76	1 1/4	865.24	1 1/4	604.40	1 1/4	342.91	1 1/4	81.62	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,643.17	1 1/2	1,381.82	1 1/2	1,120.32	1 1/2	859.83	1 1/2	598.95	1 1/2	337.47	1 1/2	76.21	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1,637.73	1 3/4	1,376.37	1 3/4	1,114.87	1 3/4	854.42	1 3/4	593.50	1 3/4	332.02	1 3/4	70.82	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	1,632.28	2	1,370.92	2	1,109.42	2	849.01	2	588.05	2	326.57	2	65.44	2	2	2	2	2	2
2 1/4	1,626.84	2 1/4	1,365.48	2 1/4	1,103.97	2 1/4	843.60	2 1/4	582.61	2 1/4	321.12	2 1/4	60.05	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	1,621.39	2 1/2	1,360.03	2 1/2	1,098.52	2 1/2	838.19	2 1/2	577.16	2 1/2	315.67	2 1/2	54.67	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	1,615.95	2 3/4	1,354.58	2 3/4	1,093.08	2 3/4	832.77	2 3/4	571.71	2 3/4	310.23	2 3/4	49.33	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	1,610.50	3	1,349.13	3	1,087.63	3	827.36	3	566.26	3	304.78	3	44.00	3	3	3	3	3	3
3 1/4	1,605.06	3 1/4	1,343.68	3 1/4	1,082.18	3 1/4	821.95	3 1/4	560.82	3 1/4	299.33	3 1/4	38.66	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	1,599.61	3 1/2	1,338.24	3 1/2	1,076.73	3 1/2	816.54	3 1/2	555.37	3 1/2	293.88	3 1/2	33.33	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	1,594.17	3 3/4	1,332.79	3 3/4	1,071.28	3 3/4	811.13	3 3/4	549.92	3 3/4	288.44	3 3/4	28.00	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	1,588.73	4	1,327.34	4	1,065.84	4	805.73	4	544.47	4	282.99	4	24.27	4	4	4	4	4	4
4 1/4	1,583.28	4 1/4	1,321.89	4 1/4	1,060.39	4 1/4	800.32	4 1/4	539.03	4 1/4	277.54	4 1/4	19.73	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	1,577.84	4 1/2	1,316.44	4 1/2	1,054.94	4 1/2	794.91	4 1/2	533.58	4 1/2	272.09	4 1/2	15.20	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	1,572.39	4 3/4	1,311.00	4 3/4	1,049.49	4 3/4	789.47	4 3/4	528.13	4 3/4	266.65	4 3/4	12.48	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	1,566.95	5	1,305.55	5	1,044.04	5	784.03	5	522.68	5	261.20	5	9.76	5	5	5	5	5	5
5 1/4	1,561.50	5 1/4	1,300.10	5 1/4	1,038.60	5 1/4	778.59	5 1/4	517.24	5 1/4	255.75	5 1/4	7.03	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	1,556.06	5 1/2	1,294.65	5 1/2	1,033.15	5 1/2	773.14	5 1/2	511.79	5 1/2	250.30	5 1/2	4.31	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	1,550.61	5 3/4	1,289.20	5 3/4	1,027.70	5 3/4	767.70	5 3/4	506.34	5 3/4	244.86	5 3/4	3.40	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	1,545.17	6	1,283.76	6	1,022.25	6	762.26	6	500.89	6	239.41	6	2.49	6	6	6	6	6	6
6 1/4	1,539.73	6 1/4	1,278.31	6 1/4	1,016.80	6 1/4	756.82	6 1/4	495.45	6 1/4	233.96	6 1/4	1.59	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	1,534.28	6 1/2	1,272.86	6 1/2	1,011.36	6 1/2	751.37	6 1/2	490.00	6 1/2	228.51	6 1/2	0.68	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	1,528.84	6 3/4	1,267.41	6 3/4	1,005.95	6 3/4	745.93	6 3/4	484.55	6 3/4	223.07	6 3/4		6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	1,523.39	7	1,261.96	7	1,000.53	7	740.49	7	479.10	7	217.62	7		7	7	7	7	7	7
7 1/4	1,517.95	7 1/4	1,256.52	7 1/4	995.12	7 1/4	735.05	7 1/4	473.66	7 1/4	212.17	7 1/4		7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	1,512.50	7 1/2	1,251.07	7 1/2	989.71	7 1/2	729.60	7 1/2	468.21	7 1/2	206.72	7 1/2		7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	1,507.06	7 3/4	1,245.62	7 3/4	984.30	7 3/4	724.16	7 3/4	462.76	7 3/4	201.27	7 3/4		7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	1,501.61	8	1,240.17	8	978.89	8	718.72	8	457.31	8	195.83	8		8	8	8	8	8	8
8 1/4	1,496.17	8 1/4	1,234.72	8 1/4	973.48	8 1/4	713.27	8 1/4	451.86	8 1/4	190.38	8 1/4		8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	1,490.72	8 1/2	1,229.28	8 1/2	968.06	8 1/2	707.83	8 1/2	446.42	8 1/2	184.93	8 1/2		8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	1,485.28	8 3/4	1,223.83	8 3/4	962.65	8 3/4	702.39	8 3/4	440.97	8 3/4	179.48	8 3/4		8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	1,479.84	9	1,218.38	9	957.24	9	696.95	9	435.52	9	174.04	9		9	9	9	9	9	9
9 1/4	1,474.39	9 1/4	1,212.93	9 1/4	951.83	9 1/4	691.50	9 1/4	430.07	9 1/4	168.59	9 1/4		9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	1,468.95	9 1/2	1,207.48	9 1/2	946.42	9 1/2	686.06	9 1/2	424.63	9 1/2	163.14	9 1/2		9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	1,463.50	9 3/4	1,202.04	9 3/4	941.01	9 3/4	680.62	9 3/4	419.18	9 3/4	157.69	9 3/4		9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	1,458.06	10	1,196.59	10	935.59	10	675.18	10	413.73	10	152.25	10		10	10	10	10	10	10
10 1/4	1,452.61	10 1/4	1,191.14	10 1/4	930.18	10 1/4	669.73	10 1/4	408.28	10 1/4	146.80	10 1/4		10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	1,447.17	10 1/2	1,185.69	10 1/2	924.77	10 1/2	664.29	10 1/2	402.84	10 1/2	141.35	10 1/2		10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	1,441.72	10 3/4	1,180.24	10 3/4	919.36	10 3/4	658.85	10 3/4	397.39	10 3/4	135.91	10 3/4		10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	1,436.28	11	1,174.80	11	913.95	11	653.41	11	391.94	11	130.47	11		11	11	11	11	11	11
11 1/4	1,430.84	11 1/4	1,169.35	11 1/4	908.54	11 1/4	647.97	11 1/4	386.49	11 1/4	125.03	11 1/4		11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	1,425.39	11 1/2	1,163.90	11 1/2	903.12	11 1/2	642.52	11 1/2	381.05	11 1/2	119.59	11 1/2		11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	1,419.95	11 3/4	1,158.45	11 3/4	897.71	11 3/4	637.08	11 3/4	375.60	11 3/4	114.15	11 3/4		11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4

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