



BARGE "KIRBY 10279"

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	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
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'-06"

February 20, 2024

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

<http://www.pmacorp.net>



BARGE "KIRBY 10279"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	3,573.93	0	3,320.00	0	3,066.07	0	2,807.32	0	2,510.54	0	2,213.04
1/4		1/4		1/4		1/4		1/4	3,568.64	1/4	3,314.71	1/4	3,060.78	1/4	2,801.14	1/4	2,504.35	1/4	2,206.84
1/2		1/2		1/2		1/2		1/2	3,563.35	1/2	3,309.42	1/2	3,055.49	1/2	2,794.96	1/2	2,498.15	1/2	2,200.64
3/4		3/4		3/4		3/4		3/4	3,779.80	3/4	3,558.06	3/4	3,304.13	3/4	3,050.19	3/4	2,788.78	3/4	2,491.95
1		1		1		1		1	3,778.76	1	3,552.77	1	3,298.84	1	3,044.90	1	2,782.60	1	2,485.75
1/4		1/4		1/4		1/4		1/4	3,777.73	1/4	3,547.48	1/4	3,293.55	1/4	3,039.61	1/4	2,776.43	1/4	2,479.55
1/2		1/2		1/2		1/2		1/2	3,776.69	1/2	3,542.19	1/2	3,288.26	1/2	3,034.32	1/2	2,770.25	1/2	2,473.36
3/4		3/4		3/4		3/4		3/4	3,775.65	3/4	3,536.90	3/4	3,282.97	3/4	3,029.03	3/4	2,764.07	3/4	2,467.16
2		2		2		2		2	3,772.54	2	3,531.61	2	3,277.68	2	3,023.74	2	2,757.89	2	2,460.96
1/4		1/4		1/4		1/4		1/4	3,769.43	1/4	3,526.32	1/4	3,272.39	1/4	3,018.45	1/4	2,751.71	1/4	2,454.76
1/2		1/2		1/2		1/2		1/2	3,766.32	1/2	3,521.03	1/2	3,267.10	1/2	3,013.16	1/2	2,745.53	1/2	2,448.56
3/4		3/4		3/4		3/4		3/4	3,763.21	3/4	3,515.74	3/4	3,261.81	3/4	3,007.87	3/4	2,739.35	3/4	2,442.37
3		3		3		3		3	3,759.04	3	3,510.45	3	3,256.52	3	3,002.58	3	2,733.17	3	2,436.17
1/4		1/4		1/4		1/4		1/4	3,754.87	1/4	3,505.16	1/4	3,251.23	1/4	2,997.29	1/4	2,726.99	1/4	2,429.97
1/2		1/2		1/2		1/2		1/2	3,750.71	1/2	3,499.87	1/2	3,245.94	1/2	2,992.00	1/2	2,720.81	1/2	2,423.77
3/4		3/4		3/4		3/4		3/4	3,746.54	3/4	3,494.58	3/4	3,240.65	3/4	2,986.71	3/4	2,714.63	3/4	2,417.57
4		4		4		4		4	3,741.39	4	3,489.29	4	3,235.36	4	2,981.42	4	2,708.45	4	2,411.38
1/4		1/4		1/4		1/4		1/4	3,736.23	1/4	3,484.00	1/4	3,230.06	1/4	2,976.13	1/4	2,702.27	1/4	2,405.18
1/2		1/2		1/2		1/2		1/2	3,731.07	1/2	3,478.71	1/2	3,224.77	1/2	2,970.84	1/2	2,696.09	1/2	2,398.98
3/4		3/4		3/4		3/4		3/4	3,725.92	3/4	3,473.42	3/4	3,219.48	3/4	2,965.55	3/4	2,689.91	3/4	2,392.78
5		5		5		5		5	3,720.73	5	3,468.13	5	3,214.19	5	2,960.26	5	2,683.73	5	2,386.58
1/4		1/4		1/4		1/4		1/4	3,715.54	1/4	3,462.84	1/4	3,208.90	1/4	2,954.97	1/4	2,677.55	1/4	2,380.39
1/2		1/2		1/2		1/2		1/2	3,710.35	1/2	3,457.55	1/2	3,203.61	1/2	2,949.68	1/2	2,671.38	1/2	2,374.19
3/4		3/4		3/4		3/4		3/4	3,705.16	3/4	3,452.26	3/4	3,198.32	3/4	2,944.39	3/4	2,665.20	3/4	2,367.99
6		6		6		6		6	3,699.95	6	3,446.97	6	3,193.03	6	2,939.10	6	2,659.02	6	2,361.79
1/4		1/4		1/4		1/4		1/4	3,694.74	1/4	3,441.68	1/4	3,187.74	1/4	2,933.81	1/4	2,652.84	1/4	2,355.59
1/2		1/2		1/2		1/2		1/2	3,689.54	1/2	3,436.39	1/2	3,182.45	1/2	2,928.52	1/2	2,646.66	1/2	2,349.40
3/4		3/4		3/4		3/4		3/4	3,684.33	3/4	3,431.10	3/4	3,177.16	3/4	2,923.23	3/4	2,640.48	3/4	2,343.20
7		7		7		7		7	3,679.13	7	3,425.81	7	3,171.87	7	2,917.94	7	2,634.30	7	2,337.00
1/4		1/4		1/4		1/4		1/4	3,673.93	1/4	3,420.52	1/4	3,166.58	1/4	2,912.65	1/4	2,628.12	1/4	2,330.80
1/2		1/2		1/2		1/2		1/2	3,668.72	1/2	3,415.23	1/2	3,161.29	1/2	2,907.36	1/2	2,621.94	1/2	2,324.60
3/4		3/4		3/4		3/4		3/4	3,663.52	3/4	3,409.94	3/4	3,156.00	3/4	2,902.07	3/4	2,615.76	3/4	2,318.41
8		8		8		8		8	3,658.32	8	3,404.64	8	3,150.71	8	2,896.78	8	2,609.58	8	2,312.21
1/4		1/4		1/4		1/4		1/4	3,653.11	1/4	3,399.35	1/4	3,145.42	1/4	2,891.49	1/4	2,603.40	1/4	2,306.01
1/2		1/2		1/2		1/2		1/2	3,647.91	1/2	3,394.06	1/2	3,140.13	1/2	2,886.20	1/2	2,597.22	1/2	2,299.81
3/4		3/4		3/4		3/4		3/4	3,642.71	3/4	3,388.77	3/4	3,134.84	3/4	2,880.91	3/4	2,591.04	3/4	2,293.61
9		9		9		9		9	3,637.42	9	3,383.48	9	3,129.55	9	2,875.59	9	2,584.86	9	2,287.42
1/4		1/4		1/4		1/4		1/4	3,632.13	1/4	3,378.19	1/4	3,124.26	1/4	2,870.27	1/4	2,578.68	1/4	2,281.22
1/2		1/2		1/2		1/2		1/2	3,626.84	1/2	3,372.90	1/2	3,118.97	1/2	2,864.96	1/2	2,572.50	1/2	2,275.02
3/4		3/4		3/4		3/4		3/4	3,621.55	3/4	3,367.61	3/4	3,113.68	3/4	2,859.64	3/4	2,566.33	3/4	2,268.82
10		10		10		10		10	3,616.26	10	3,362.32	10	3,108.39	10	2,854.33	10	2,560.13	10	2,262.62
1/4		1/4		1/4		1/4		1/4	3,610.97	1/4	3,357.03	1/4	3,103.10	1/4	2,849.01	1/4	2,553.93	1/4	2,256.43
1/2		1/2		1/2		1/2		1/2	3,605.68	1/2	3,351.74	1/2	3,097.81	1/2	2,843.70	1/2	2,547.73	1/2	2,250.23
3/4		3/4		3/4		3/4		3/4	3,600.39	3/4	3,346.45	3/4	3,092.52	3/4	2,838.38	3/4	2,541.53	3/4	2,244.03
11		11		11		11		11	3,595.10	11	3,341.16	11	3,087.23	11	2,832.16	11	2,535.34	11	2,237.83
1/4		1/4		1/4		1/4		1/4	3,589.81	1/4	3,335.87	1/4	3,081.94	1/4	2,825.94	1/4	2,529.14	1/4	2,231.63
1/2		1/2		1/2		1/2		1/2	3,584.52	1/2	3,330.58	1/2	3,076.65	1/2	2,819.72	1/2	2,522.94	1/2	2,225.44
3/4		3/4		3/4		3/4		3/4	3,579.22	3/4	3,325.29	3/4	3,071.36	3/4	2,813.50	3/4	2,516.74	3/4	2,219.24

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 31'-09" FORWARD OF AFT BULKHEAD.

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BARGE "KIRBY 10279"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	1,915.54	0	1,617.82	0	1,319.91	0	1,021.98	0	729.83	0	432.09	0	133.95	0		0		0	
1/4	1,909.34	1/4	1,611.61	1/4	1,313.70	1/4	1,015.78	1/4	723.72	1/4	425.88	1/4	127.75	1/4		1/4		1/4	
1/2	1,903.14	1/2	1,605.41	1/2	1,307.49	1/2	1,009.57	1/2	717.61	1/2	419.67	1/2	121.54	1/2		1/2		1/2	
3/4	1,896.94	3/4	1,599.21	3/4	1,301.29	3/4	1,003.36	3/4	711.50	3/4	413.46	3/4	115.34	3/4		3/4		3/4	
1	1,890.74	1	1,593.00	1	1,295.08	1	997.16	1	705.31	1	407.24	1	109.15	1		1		1	
1/4	1,884.55	1/4	1,586.79	1/4	1,288.87	1/4	990.95	1/4	699.11	1/4	401.03	1/4	102.97	1/4		1/4		1/4	
1/2	1,878.35	1/2	1,580.59	1/2	1,282.67	1/2	984.74	1/2	692.92	1/2	394.82	1/2	96.79	1/2		1/2		1/2	
3/4	1,872.15	3/4	1,574.38	3/4	1,276.46	3/4	978.54	3/4	686.73	3/4	388.61	3/4	90.60	3/4		3/4		3/4	
2	1,865.95	2	1,568.17	2	1,270.25	2	972.39	2	680.52	2	382.40	2	84.45	2		2		2	
1/4	1,859.75	1/4	1,561.97	1/4	1,264.05	1/4	966.25	1/4	674.31	1/4	376.19	1/4	78.30	1/4		1/4		1/4	
1/2	1,853.56	1/2	1,555.76	1/2	1,257.84	1/2	960.11	1/2	668.10	1/2	369.98	1/2	72.15	1/2		1/2		1/2	
3/4	1,847.36	3/4	1,549.55	3/4	1,251.63	3/4	953.96	3/4	661.89	3/4	363.77	3/4	66.00	3/4		3/4		3/4	
3	1,841.16	3	1,543.35	3	1,245.43	3	947.88	3	655.68	3	357.56	3	59.91	3		3		3	
1/4	1,834.96	1/4	1,537.14	1/4	1,239.22	1/4	941.80	1/4	649.47	1/4	351.35	1/4	53.81	1/4		1/4		1/4	
1/2	1,828.76	1/2	1,530.93	1/2	1,233.01	1/2	935.72	1/2	643.26	1/2	345.13	1/2	47.72	1/2		1/2		1/2	
3/4	1,822.57	3/4	1,524.73	3/4	1,226.81	3/4	929.64	3/4	637.05	3/4	338.92	3/4	41.62	3/4		3/4		3/4	
4	1,816.36	4	1,518.52	4	1,220.60	4	923.56	4	630.84	4	332.71	4	36.45	4		4		4	
1/4	1,810.15	1/4	1,512.31	1/4	1,214.39	1/4	917.48	1/4	624.63	1/4	326.50	1/4	31.27	1/4		1/4		1/4	
1/2	1,803.95	1/2	1,506.11	1/2	1,208.19	1/2	911.40	1/2	618.42	1/2	320.29	1/2	26.09	1/2		1/2		1/2	
3/4	1,797.74	3/4	1,499.90	3/4	1,201.98	3/4	905.32	3/4	612.21	3/4	314.08	3/4	20.92	3/4		3/4		3/4	
5	1,791.53	5	1,493.69	5	1,195.77	5	899.26	5	606.00	5	307.87	5	17.81	5		5		5	
1/4	1,785.33	1/4	1,487.49	1/4	1,189.57	1/4	893.20	1/4	599.79	1/4	301.66	1/4	14.70	1/4		1/4		1/4	
1/2	1,779.12	1/2	1,481.28	1/2	1,183.36	1/2	887.13	1/2	593.57	1/2	295.45	1/2	11.59	1/2		1/2		1/2	
3/4	1,772.91	3/4	1,475.07	3/4	1,177.15	3/4	881.07	3/4	587.36	3/4	289.24	3/4	8.47	3/4		3/4		3/4	
6	1,766.71	6	1,468.87	6	1,170.95	6	875.02	6	581.15	6	283.02	6	7.44	6		6		6	
1/4	1,760.50	1/4	1,462.66	1/4	1,164.74	1/4	868.98	1/4	574.94	1/4	276.81	1/4	6.40	1/4		1/4		1/4	
1/2	1,754.29	1/2	1,456.45	1/2	1,158.53	1/2	862.93	1/2	568.73	1/2	270.60	1/2	5.36	1/2		1/2		1/2	
3/4	1,748.09	3/4	1,450.25	3/4	1,152.33	3/4	856.88	3/4	562.52	3/4	264.39	3/4	4.33	3/4		3/4		3/4	
7	1,741.88	7	1,444.04	7	1,146.12	7	850.84	7	556.31	7	258.18	7		7		7		7	
1/4	1,735.68	1/4	1,437.83	1/4	1,139.91	1/4	844.79	1/4	550.10	1/4	251.97	1/4		1/4		1/4		1/4	
1/2	1,729.47	1/2	1,431.63	1/2	1,133.71	1/2	838.74	1/2	543.89	1/2	245.76	1/2		1/2		1/2		1/2	
3/4	1,723.27	3/4	1,425.42	3/4	1,127.50	3/4	832.70	3/4	537.68	3/4	239.55	3/4		3/4		3/4		3/4	
8	1,717.06	8	1,419.21	8	1,121.29	8	826.65	8	531.46	8	233.34	8		8		8		8	
1/4	1,710.86	1/4	1,413.01	1/4	1,115.08	1/4	820.60	1/4	525.25	1/4	227.13	1/4		1/4		1/4		1/4	
1/2	1,704.66	1/2	1,406.80	1/2	1,108.88	1/2	814.55	1/2	519.04	1/2	220.91	1/2		1/2		1/2		1/2	
3/4	1,698.46	3/4	1,400.59	3/4	1,102.67	3/4	808.51	3/4	512.83	3/4	214.70	3/4		3/4		3/4		3/4	
9	1,692.25	9	1,394.39	9	1,096.46	9	802.46	9	506.62	9	208.49	9		9		9		9	
1/4	1,686.05	1/4	1,388.18	1/4	1,090.26	1/4	796.41	1/4	500.41	1/4	202.28	1/4		1/4		1/4		1/4	
1/2	1,679.85	1/2	1,381.97	1/2	1,084.05	1/2	790.37	1/2	494.20	1/2	196.07	1/2		1/2		1/2		1/2	
3/4	1,673.64	3/4	1,375.77	3/4	1,077.84	3/4	784.32	3/4	487.99	3/4	189.86	3/4		3/4		3/4		3/4	
10	1,667.44	10	1,369.56	10	1,071.64	10	778.27	10	481.78	10	183.65	10		10		10		10	
1/4	1,661.24	1/4	1,363.35	1/4	1,065.43	1/4	772.23	1/4	475.57	1/4	177.44	1/4		1/4		1/4		1/4	
1/2	1,655.03	1/2	1,357.15	1/2	1,059.22	1/2	766.18	1/2	469.35	1/2	171.23	1/2		1/2		1/2		1/2	
3/4	1,648.83	3/4	1,350.94	3/4	1,053.02	3/4	760.13	3/4	463.14	3/4	165.02	3/4		3/4		3/4		3/4	
11	1,642.63	11	1,344.73	11	1,046.81	11	754.08	11	456.93	11	158.80	11		11		11		11	
1/4	1,636.43	1/4	1,338.53	1/4	1,040.60	1/4	748.04	1/4	450.72	1/4	152.59	1/4		1/4		1/4		1/4	
1/2	1,630.22	1/2	1,332.32	1/2	1,034.40	1/2	741.99	1/2	444.51	1/2	146.37	1/2		1/2		1/2		1/2	
3/4	1,624.02	3/4	1,326.11	3/4	1,028.19	3/4	735.94	3/4	438.30	3/4	140.15	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/06/2014 CL
CALCULATED: 01/06/2014 CL
VERIFIED: 02/20/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2024



BARGE "KIRBY 10279"

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	3,247.81	0	2,986.47	0	2,725.12	0	2,463.34	0	2,200.59	0	1,937.84
1/4		1/4		1/4		1/4	3,468.56	1/4	3,242.37	1/4	2,981.02	1/4	2,719.68	1/4	2,457.86	1/4	2,195.12	1/4	1,932.37
1/2		1/2		1/2		1/2	3,467.64	1/2	3,236.92	1/2	2,975.58	1/2	2,714.23	1/2	2,452.39	1/2	2,189.64	1/2	1,926.90
3/4		3/4		3/4		3/4	3,466.73	3/4	3,231.48	3/4	2,970.13	3/4	2,708.79	3/4	2,446.92	3/4	2,184.17	3/4	1,921.42
1		1		1		1	3,465.82	1	3,226.03	1	2,964.69	1	2,703.34	1	2,441.44	1	2,178.69	1	1,915.95
1/4		1/4		1/4		1/4	3,464.90	1/4	3,220.59	1/4	2,959.24	1/4	2,697.90	1/4	2,435.97	1/4	2,173.22	1/4	1,910.47
1/2		1/2		1/2		1/2	3,462.17	1/2	3,215.14	1/2	2,953.80	1/2	2,692.45	1/2	2,430.49	1/2	2,167.75	1/2	1,905.00
3/4		3/4		3/4		3/4	3,459.43	3/4	3,209.70	3/4	2,948.35	3/4	2,687.01	3/4	2,425.02	3/4	2,162.27	3/4	1,899.53
2		2		2		2	3,456.69	2	3,204.25	2	2,942.91	2	2,681.56	2	2,419.55	2	2,156.80	2	1,894.05
1/4		1/4		1/4		1/4	3,453.95	1/4	3,198.81	1/4	2,937.46	1/4	2,676.12	1/4	2,414.07	1/4	2,151.33	1/4	1,888.58
1/2		1/2		1/2		1/2	3,449.51	1/2	3,193.37	1/2	2,932.02	1/2	2,670.67	1/2	2,408.60	1/2	2,145.85	1/2	1,883.10
3/4		3/4		3/4		3/4	3,445.08	3/4	3,187.92	3/4	2,926.58	3/4	2,665.23	3/4	2,403.12	3/4	2,140.38	3/4	1,877.63
3		3		3		3	3,440.64	3	3,182.48	3	2,921.13	3	2,659.78	3	2,397.65	3	2,134.90	3	1,872.16
1/4		1/4		1/4		1/4	3,436.21	1/4	3,177.03	1/4	2,915.69	1/4	2,654.34	1/4	2,392.18	1/4	2,129.43	1/4	1,866.68
1/2		1/2		1/2		1/2	3,430.90	1/2	3,171.59	1/2	2,910.24	1/2	2,648.90	1/2	2,386.70	1/2	2,123.96	1/2	1,861.21
3/4		3/4		3/4		3/4	3,425.60	3/4	3,166.14	3/4	2,904.80	3/4	2,643.45	3/4	2,381.23	3/4	2,118.48	3/4	1,855.73
4		4		4		4	3,420.29	4	3,160.70	4	2,899.35	4	2,638.01	4	2,375.76	4	2,113.01	4	1,850.26
1/4		1/4		1/4		1/4	3,414.99	1/4	3,155.25	1/4	2,893.91	1/4	2,632.56	1/4	2,370.28	1/4	2,107.53	1/4	1,844.79
1/2		1/2		1/2		1/2	3,409.65	1/2	3,149.81	1/2	2,888.46	1/2	2,627.12	1/2	2,364.81	1/2	2,102.06	1/2	1,839.31
3/4		3/4		3/4		3/4	3,404.31	3/4	3,144.36	3/4	2,883.02	3/4	2,621.67	3/4	2,359.33	3/4	2,096.59	3/4	1,833.84
5		5		5		5	3,398.98	5	3,138.92	5	2,877.57	5	2,616.23	5	2,353.86	5	2,091.11	5	1,828.37
1/4		1/4		1/4		1/4	3,393.64	1/4	3,133.47	1/4	2,872.13	1/4	2,610.78	1/4	2,348.39	1/4	2,085.64	1/4	1,822.89
1/2		1/2		1/2		1/2	3,388.29	1/2	3,128.03	1/2	2,866.68	1/2	2,605.34	1/2	2,342.91	1/2	2,080.16	1/2	1,817.42
3/4		3/4		3/4		3/4	3,382.94	3/4	3,122.58	3/4	2,861.24	3/4	2,599.89	3/4	2,337.44	3/4	2,074.69	3/4	1,811.94
6		6		6		6	3,377.59	6	3,117.14	6	2,855.79	6	2,594.45	6	2,331.96	6	2,069.22	6	1,806.47
1/4		1/4		1/4		1/4	3,372.25	1/4	3,111.69	1/4	2,850.35	1/4	2,589.00	1/4	2,326.49	1/4	2,063.74	1/4	1,801.00
1/2		1/2		1/2		1/2	3,366.90	1/2	3,106.25	1/2	2,844.90	1/2	2,583.56	1/2	2,321.02	1/2	2,058.27	1/2	1,795.52
3/4		3/4		3/4		3/4	3,361.55	3/4	3,100.81	3/4	2,839.46	3/4	2,578.11	3/4	2,315.54	3/4	2,052.80	3/4	1,790.05
7		7		7		7	3,356.21	7	3,095.36	7	2,834.02	7	2,572.67	7	2,310.07	7	2,047.32	7	1,784.57
1/4		1/4		1/4		1/4	3,350.86	1/4	3,089.92	1/4	2,828.57	1/4	2,567.22	1/4	2,304.59	1/4	2,041.85	1/4	1,779.10
1/2		1/2		1/2		1/2	3,345.52	1/2	3,084.47	1/2	2,823.13	1/2	2,561.78	1/2	2,299.12	1/2	2,036.37	1/2	1,773.63
3/4		3/4		3/4		3/4	3,340.17	3/4	3,079.03	3/4	2,817.68	3/4	2,556.34	3/4	2,293.65	3/4	2,030.90	3/4	1,768.15
8		8		8		8	3,334.83	8	3,073.58	8	2,812.24	8	2,550.89	8	2,288.17	8	2,025.43	8	1,762.68
1/4		1/4		1/4		1/4	3,329.48	1/4	3,068.14	1/4	2,806.79	1/4	2,545.45	1/4	2,282.70	1/4	2,019.95	1/4	1,757.20
1/2		1/2		1/2		1/2	3,324.04	1/2	3,062.69	1/2	2,801.35	1/2	2,539.97	1/2	2,277.23	1/2	2,014.48	1/2	1,751.73
3/4		3/4		3/4		3/4	3,318.59	3/4	3,057.25	3/4	2,795.90	3/4	2,534.50	3/4	2,271.75	3/4	2,009.00	3/4	1,746.26
9		9		9		9	3,313.15	9	3,051.80	9	2,790.46	9	2,529.02	9	2,266.28	9	2,003.53	9	1,740.78
1/4		1/4		1/4		1/4	3,307.70	1/4	3,046.36	1/4	2,785.01	1/4	2,523.55	1/4	2,260.80	1/4	1,998.06	1/4	1,735.31
1/2		1/2		1/2		1/2	3,302.26	1/2	3,040.91	1/2	2,779.57	1/2	2,518.08	1/2	2,255.33	1/2	1,992.58	1/2	1,729.84
3/4		3/4		3/4		3/4	3,296.81	3/4	3,035.47	3/4	2,774.12	3/4	2,512.60	3/4	2,249.86	3/4	1,987.11	3/4	1,724.36
10		10		10		10	3,291.37	10	3,030.02	10	2,768.68	10	2,507.13	10	2,244.38	10	1,981.63	10	1,718.89
1/4		1/4		1/4		1/4	3,285.93	1/4	3,024.58	1/4	2,763.23	1/4	2,501.65	1/4	2,238.91	1/4	1,976.16	1/4	1,713.41
1/2		1/2		1/2		1/2	3,280.48	1/2	3,019.14	1/2	2,757.79	1/2	2,496.18	1/2	2,233.43	1/2	1,970.69	1/2	1,707.94
3/4		3/4		3/4		3/4	3,275.04	3/4	3,013.69	3/4	2,752.34	3/4	2,490.71	3/4	2,227.96	3/4	1,965.21	3/4	1,702.47
11		11		11		11	3,269.59	11	3,008.25	11	2,746.90	11	2,485.23	11	2,222.49	11	1,959.74	11	1,696.99
1/4		1/4		1/4		1/4	3,264.15	1/4	3,002.80	1/4	2,741.46	1/4	2,479.76	1/4	2,217.01	1/4	1,954.26	1/4	1,691.52
1/2		1/2		1/2		1/2	3,258.70	1/2	2,997.36	1/2	2,736.01	1/2	2,474.29	1/2	2,211.54	1/2	1,948.79	1/2	1,686.04
3/4		3/4		3/4		3/4	3,253.26	3/4	2,991.91	3/4	2,730.57	3/4	2,468.81	3/4	2,206.06	3/4	1,943.32	3/4	1,680.57

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 10279"

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	1,675.10	0	1,412.35	0	1,149.44	0	888.31	0	629.51	0	366.66	0	103.84	0		0		0	
1/4	1,669.62	1/4	1,406.87	1/4	1,143.96	1/4	882.91	1/4	624.08	1/4	361.18	1/4	98.38	1/4		1/4		1/4	
1/2	1,664.15	1/2	1,401.40	1/2	1,138.49	1/2	877.52	1/2	618.60	1/2	355.71	1/2	92.94	1/2		1/2		1/2	
3/4	1,658.67	3/4	1,395.92	3/4	1,133.01	3/4	872.13	3/4	613.12	3/4	350.23	3/4	87.50	3/4		3/4		3/4	
1	1,653.20	1	1,390.44	1	1,127.53	1	866.74	1	607.65	1	344.75	1	82.06	1		1		1	
1/4	1,647.73	1/4	1,384.97	1/4	1,122.06	1/4	861.34	1/4	602.17	1/4	339.28	1/4	76.62	1/4		1/4		1/4	
1/2	1,642.25	1/2	1,379.49	1/2	1,116.58	1/2	855.95	1/2	596.69	1/2	333.80	1/2	71.20	1/2		1/2		1/2	
3/4	1,636.78	3/4	1,374.01	3/4	1,111.10	3/4	850.56	3/4	591.21	3/4	328.32	3/4	65.79	3/4		3/4		3/4	
2	1,631.30	2	1,368.53	2	1,105.62	2	845.17	2	585.74	2	322.85	2	60.37	2		2		2	
1/4	1,625.83	1/4	1,363.06	1/4	1,100.15	1/4	839.77	1/4	580.26	1/4	317.37	1/4	54.96	1/4		1/4		1/4	
1/2	1,620.36	1/2	1,357.58	1/2	1,094.67	1/2	834.38	1/2	574.78	1/2	311.89	1/2	49.60	1/2		1/2		1/2	
3/4	1,614.88	3/4	1,352.10	3/4	1,089.19	3/4	828.99	3/4	569.31	3/4	306.42	3/4	44.23	3/4		3/4		3/4	
3	1,609.41	3	1,346.62	3	1,083.71	3	823.59	3	563.83	3	300.94	3	38.87	3		3		3	
1/4	1,603.94	1/4	1,341.15	1/4	1,078.24	1/4	818.20	1/4	558.35	1/4	295.46	1/4	33.50	1/4		1/4		1/4	
1/2	1,598.46	1/2	1,335.67	1/2	1,072.76	1/2	812.81	1/2	552.88	1/2	289.98	1/2	28.95	1/2		1/2		1/2	
3/4	1,592.99	3/4	1,330.19	3/4	1,067.28	3/4	807.43	3/4	547.40	3/4	284.51	3/4	24.39	3/4		3/4		3/4	
4	1,587.51	4	1,324.72	4	1,061.81	4	802.04	4	541.92	4	279.03	4	19.84	4		4		4	
1/4	1,582.04	1/4	1,319.24	1/4	1,056.33	1/4	796.65	1/4	536.45	1/4	273.55	1/4	15.28	1/4		1/4		1/4	
1/2	1,576.57	1/2	1,313.76	1/2	1,050.85	1/2	791.27	1/2	530.97	1/2	268.08	1/2	12.54	1/2		1/2		1/2	
3/4	1,571.09	3/4	1,308.28	3/4	1,045.37	3/4	785.88	3/4	525.49	3/4	262.60	3/4	9.80	3/4		3/4		3/4	
5	1,565.62	5	1,302.81	5	1,039.90	5	780.49	5	520.01	5	257.12	5	7.07	5		5		5	
1/4	1,560.14	1/4	1,297.33	1/4	1,034.42	1/4	775.10	1/4	514.54	1/4	251.65	1/4	4.33	1/4		1/4		1/4	
1/2	1,554.67	1/2	1,291.85	1/2	1,028.94	1/2	769.72	1/2	509.06	1/2	246.17	1/2	3.42	1/2		1/2		1/2	
3/4	1,549.20	3/4	1,286.37	3/4	1,023.46	3/4	764.33	3/4	503.58	3/4	240.69	3/4	2.50	3/4		3/4		3/4	
6	1,543.72	6	1,280.90	6	1,017.99	6	758.94	6	498.11	6	235.22	6	1.59	6		6		6	
1/4	1,538.25	1/4	1,275.42	1/4	1,012.51	1/4	753.55	1/4	492.63	1/4	229.74	1/4	0.68	1/4		1/4		1/4	
1/2	1,532.77	1/2	1,269.94	1/2	1,007.07	1/2	748.17	1/2	487.15	1/2	224.26	1/2		1/2		1/2		1/2	
3/4	1,527.30	3/4	1,264.47	3/4	1,001.64	3/4	742.78	3/4	481.68	3/4	218.79	3/4		3/4		3/4		3/4	
7	1,521.83	7	1,258.99	7	996.20	7	737.39	7	476.20	7	213.31	7		7		7		7	
1/4	1,516.35	1/4	1,253.51	1/4	990.77	1/4	732.00	1/4	470.72	1/4	207.83	1/4		1/4		1/4		1/4	
1/2	1,510.88	1/2	1,248.03	1/2	985.38	1/2	726.62	1/2	465.25	1/2	202.35	1/2		1/2		1/2		1/2	
3/4	1,505.41	3/4	1,242.56	3/4	979.98	3/4	721.23	3/4	459.77	3/4	196.88	3/4		3/4		3/4		3/4	
8	1,499.93	8	1,237.08	8	974.59	8	715.84	8	454.29	8	191.40	8		8		8		8	
1/4	1,494.46	1/4	1,231.60	1/4	969.20	1/4	710.46	1/4	448.81	1/4	185.92	1/4		1/4		1/4		1/4	
1/2	1,488.98	1/2	1,226.12	1/2	963.80	1/2	705.07	1/2	443.34	1/2	180.45	1/2		1/2		1/2		1/2	
3/4	1,483.51	3/4	1,220.65	3/4	958.41	3/4	699.68	3/4	437.86	3/4	174.97	3/4		3/4		3/4		3/4	
9	1,478.04	9	1,215.17	9	953.02	9	694.29	9	432.38	9	169.49	9		9		9		9	
1/4	1,472.56	1/4	1,209.69	1/4	947.63	1/4	688.91	1/4	426.91	1/4	164.02	1/4		1/4		1/4		1/4	
1/2	1,467.09	1/2	1,204.21	1/2	942.23	1/2	683.52	1/2	421.43	1/2	158.54	1/2		1/2		1/2		1/2	
3/4	1,461.61	3/4	1,198.74	3/4	936.84	3/4	678.13	3/4	415.95	3/4	153.06	3/4		3/4		3/4		3/4	
10	1,456.14	10	1,193.26	10	931.45	10	672.74	10	410.48	10	147.59	10		10		10		10	
1/4	1,450.67	1/4	1,187.78	1/4	926.06	1/4	667.36	1/4	405.00	1/4	142.11	1/4		1/4		1/4		1/4	
1/2	1,445.19	1/2	1,182.31	1/2	920.66	1/2	661.97	1/2	399.52	1/2	136.64	1/2		1/2		1/2		1/2	
3/4	1,439.72	3/4	1,176.83	3/4	915.27	3/4	656.58	3/4	394.05	3/4	131.17	3/4		3/4		3/4		3/4	
11	1,434.24	11	1,171.35	11	909.88	11	651.20	11	388.57	11	125.70	11		11		11		11	
1/4	1,428.77	1/4	1,165.87	1/4	904.48	1/4	645.81	1/4	383.09	1/4	120.23	1/4		1/4		1/4		1/4	
1/2	1,423.30	1/2	1,160.40	1/2	899.09	1/2	640.38	1/2	377.62	1/2	114.77	1/2		1/2		1/2		1/2	
3/4	1,417.82	3/4	1,154.92	3/4	893.70	3/4	634.94	3/4	372.14	3/4	109.30	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/06/2014 CL
CALCULATED: 01/06/2014 CL
VERIFIED: 02/20/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2024

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



BARGE "KIRBY 10279"

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	3,227.73	0	2,968.35	0	2,708.98	0	2,449.16	0	2,188.38	0	1,927.60
1/4		1/4		1/4		1/4	3,446.82	1/4	3,222.33	1/4	2,962.95	1/4	2,703.57	1/4	2,443.73	1/4	2,182.95	1/4	1,922.17
1/2		1/2		1/2		1/2	3,445.91	1/2	3,216.92	1/2	2,957.55	1/2	2,698.17	1/2	2,438.29	1/2	2,177.52	1/2	1,916.74
3/4		3/4		3/4		3/4	3,445.00	3/4	3,211.52	3/4	2,952.14	3/4	2,692.76	3/4	2,432.86	3/4	2,172.08	3/4	1,911.30
1		1		1		1	3,444.10	1	3,206.12	1	2,946.74	1	2,687.36	1	2,427.43	1	2,166.65	1	1,905.87
1/4		1/4		1/4		1/4	3,443.19	1/4	3,200.71	1/4	2,941.33	1/4	2,681.96	1/4	2,422.00	1/4	2,161.22	1/4	1,900.44
1/2		1/2		1/2		1/2	3,440.47	1/2	3,195.31	1/2	2,935.93	1/2	2,676.55	1/2	2,416.56	1/2	2,155.78	1/2	1,895.00
3/4		3/4		3/4		3/4	3,437.75	3/4	3,189.91	3/4	2,930.53	3/4	2,671.15	3/4	2,411.13	3/4	2,150.35	3/4	1,889.57
2		2		2		2	3,435.04	2	3,184.50	2	2,925.12	2	2,665.75	2	2,405.70	2	2,144.92	2	1,884.14
1/4		1/4		1/4		1/4	3,432.32	1/4	3,179.10	1/4	2,919.72	1/4	2,660.34	1/4	2,400.26	1/4	2,139.48	1/4	1,878.71
1/2		1/2		1/2		1/2	3,427.92	1/2	3,173.69	1/2	2,914.32	1/2	2,654.94	1/2	2,394.83	1/2	2,134.05	1/2	1,873.27
3/4		3/4		3/4		3/4	3,423.52	3/4	3,168.29	3/4	2,908.91	3/4	2,649.54	3/4	2,389.40	3/4	2,128.62	3/4	1,867.84
3		3		3		3	3,419.12	3	3,162.89	3	2,903.51	3	2,644.13	3	2,383.97	3	2,123.19	3	1,862.41
1/4		1/4		1/4		1/4	3,414.71	1/4	3,157.48	1/4	2,898.11	1/4	2,638.73	1/4	2,378.53	1/4	2,117.75	1/4	1,856.97
1/2		1/2		1/2		1/2	3,409.45	1/2	3,152.08	1/2	2,892.70	1/2	2,633.32	1/2	2,373.10	1/2	2,112.32	1/2	1,851.54
3/4		3/4		3/4		3/4	3,404.18	3/4	3,146.68	3/4	2,887.30	3/4	2,627.92	3/4	2,367.67	3/4	2,106.89	3/4	1,846.11
4		4		4		4	3,398.92	4	3,141.27	4	2,881.89	4	2,622.52	4	2,362.23	4	2,101.45	4	1,840.68
1/4		1/4		1/4		1/4	3,393.65	1/4	3,135.87	1/4	2,876.49	1/4	2,617.11	1/4	2,356.80	1/4	2,096.02	1/4	1,835.24
1/2		1/2		1/2		1/2	3,388.36	1/2	3,130.46	1/2	2,871.09	1/2	2,611.71	1/2	2,351.37	1/2	2,090.59	1/2	1,829.81
3/4		3/4		3/4		3/4	3,383.06	3/4	3,125.06	3/4	2,865.68	3/4	2,606.31	3/4	2,345.94	3/4	2,085.16	3/4	1,824.38
5		5		5		5	3,377.77	5	3,119.66	5	2,860.28	5	2,600.90	5	2,340.50	5	2,079.72	5	1,818.94
1/4		1/4		1/4		1/4	3,372.47	1/4	3,114.25	1/4	2,854.88	1/4	2,595.50	1/4	2,335.07	1/4	2,074.29	1/4	1,813.51
1/2		1/2		1/2		1/2	3,367.16	1/2	3,108.85	1/2	2,849.47	1/2	2,590.09	1/2	2,329.64	1/2	2,068.86	1/2	1,808.08
3/4		3/4		3/4		3/4	3,361.85	3/4	3,103.45	3/4	2,844.07	3/4	2,584.69	3/4	2,324.20	3/4	2,063.42	3/4	1,802.65
6		6		6		6	3,356.54	6	3,098.04	6	2,838.66	6	2,579.29	6	2,318.77	6	2,057.99	6	1,797.21
1/4		1/4		1/4		1/4	3,351.23	1/4	3,092.64	1/4	2,833.26	1/4	2,573.88	1/4	2,313.34	1/4	2,052.56	1/4	1,791.78
1/2		1/2		1/2		1/2	3,345.92	1/2	3,087.23	1/2	2,827.86	1/2	2,568.48	1/2	2,307.90	1/2	2,047.13	1/2	1,786.35
3/4		3/4		3/4		3/4	3,340.62	3/4	3,081.83	3/4	2,822.45	3/4	2,563.08	3/4	2,302.47	3/4	2,041.69	3/4	1,780.91
7		7		7		7	3,335.31	7	3,076.43	7	2,817.05	7	2,557.67	7	2,297.04	7	2,036.26	7	1,775.48
1/4		1/4		1/4		1/4	3,330.01	1/4	3,071.02	1/4	2,811.65	1/4	2,552.27	1/4	2,291.61	1/4	2,030.83	1/4	1,770.05
1/2		1/2		1/2		1/2	3,324.70	1/2	3,065.62	1/2	2,806.24	1/2	2,546.86	1/2	2,286.17	1/2	2,025.39	1/2	1,764.61
3/4		3/4		3/4		3/4	3,319.40	3/4	3,060.22	3/4	2,800.84	3/4	2,541.46	3/4	2,280.74	3/4	2,019.96	3/4	1,759.18
8		8		8		8	3,314.09	8	3,054.81	8	2,795.44	8	2,536.06	8	2,275.31	8	2,014.53	8	1,753.75
1/4		1/4		1/4		1/4	3,308.79	1/4	3,049.41	1/4	2,790.03	1/4	2,530.65	1/4	2,269.87	1/4	2,009.10	1/4	1,748.32
1/2		1/2		1/2		1/2	3,303.38	1/2	3,044.01	1/2	2,784.63	1/2	2,525.22	1/2	2,264.44	1/2	2,003.66	1/2	1,742.88
3/4		3/4		3/4		3/4	3,297.98	3/4	3,038.60	3/4	2,779.22	3/4	2,519.79	3/4	2,259.01	3/4	1,998.23	3/4	1,737.45
9		9		9		9	3,292.58	9	3,033.20	9	2,773.82	9	2,514.36	9	2,253.58	9	1,992.80	9	1,732.02
1/4		1/4		1/4		1/4	3,287.17	1/4	3,027.79	1/4	2,768.42	1/4	2,508.92	1/4	2,248.14	1/4	1,987.36	1/4	1,726.58
1/2		1/2		1/2		1/2	3,281.77	1/2	3,022.39	1/2	2,763.01	1/2	2,503.49	1/2	2,242.71	1/2	1,981.93	1/2	1,721.15
3/4		3/4		3/4		3/4	3,276.36	3/4	3,016.99	3/4	2,757.61	3/4	2,498.06	3/4	2,237.28	3/4	1,976.50	3/4	1,715.72
10		10		10		10	3,270.96	10	3,011.58	10	2,752.21	10	2,492.62	10	2,231.84	10	1,971.07	10	1,710.29
1/4		1/4		1/4		1/4	3,265.56	1/4	3,006.18	1/4	2,746.80	1/4	2,487.19	1/4	2,226.41	1/4	1,965.63	1/4	1,704.85
1/2		1/2		1/2		1/2	3,260.15	1/2	3,000.78	1/2	2,741.40	1/2	2,481.76	1/2	2,220.98	1/2	1,960.20	1/2	1,699.42
3/4		3/4		3/4		3/4	3,254.75	3/4	2,995.37	3/4	2,735.99	3/4	2,476.32	3/4	2,215.55	3/4	1,954.77	3/4	1,693.99
11		11		11		11	3,249.35	11	2,989.97	11	2,730.59	11	2,470.89	11	2,210.11	11	1,949.33	11	1,688.55
1/4		1/4		1/4		1/4	3,243.94	1/4	2,984.56	1/4	2,725.19	1/4	2,465.46	1/4	2,204.68	1/4	1,943.90	1/4	1,683.12
1/2		1/2		1/2		1/2	3,238.54	1/2	2,979.16	1/2	2,719.78	1/2	2,460.03	1/2	2,199.25	1/2	1,938.47	1/2	1,677.69
3/4		3/4		3/4		3/4	3,233.13	3/4	2,973.76	3/4	2,714.38	3/4	2,454.59	3/4	2,193.81	3/4	1,933.03	3/4	1,672.26

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 10279"

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	1,666.82	0	1,406.04	0	1,145.10	0	884.99	0	624.84	0	363.92	0	103.07	0		0		0	
1/4	1,661.39	1/4	1,400.61	1/4	1,139.67	1/4	879.59	1/4	619.41	1/4	358.49	1/4	97.65	1/4		1/4		1/4	
1/2	1,655.96	1/2	1,395.17	1/2	1,134.23	1/2	874.19	1/2	613.97	1/2	353.05	1/2	92.25	1/2		1/2		1/2	
3/4	1,650.52	3/4	1,389.74	3/4	1,128.80	3/4	868.79	3/4	608.54	3/4	347.61	3/4	86.85	3/4		3/4		3/4	
1	1,645.09	1	1,384.30	1	1,123.36	1	863.39	1	603.10	1	342.18	1	81.45	1		1		1	
1/4	1,639.66	1/4	1,378.87	1/4	1,117.92	1/4	857.99	1/4	597.67	1/4	336.74	1/4	76.05	1/4		1/4		1/4	
1/2	1,634.23	1/2	1,373.43	1/2	1,112.49	1/2	852.59	1/2	592.23	1/2	331.31	1/2	70.67	1/2		1/2		1/2	
3/4	1,628.79	3/4	1,367.99	3/4	1,107.05	3/4	847.19	3/4	586.79	3/4	325.87	3/4	65.30	3/4		3/4		3/4	
2	1,623.36	2	1,362.56	2	1,101.61	2	841.79	2	581.36	2	320.43	2	59.93	2		2		2	
1/4	1,617.93	1/4	1,357.12	1/4	1,096.18	1/4	836.39	1/4	575.92	1/4	315.00	1/4	54.55	1/4		1/4		1/4	
1/2	1,612.49	1/2	1,351.68	1/2	1,090.74	1/2	830.99	1/2	570.49	1/2	309.56	1/2	49.23	1/2		1/2		1/2	
3/4	1,607.06	3/4	1,346.25	3/4	1,085.31	3/4	825.59	3/4	565.05	3/4	304.13	3/4	43.91	3/4		3/4		3/4	
3	1,601.63	3	1,340.81	3	1,079.87	3	820.19	3	559.61	3	298.69	3	38.58	3		3		3	
1/4	1,596.19	1/4	1,335.37	1/4	1,074.43	1/4	814.79	1/4	554.18	1/4	293.26	1/4	33.26	1/4		1/4		1/4	
1/2	1,590.76	1/2	1,329.94	1/2	1,069.00	1/2	809.40	1/2	548.74	1/2	287.82	1/2	28.74	1/2		1/2		1/2	
3/4	1,585.33	3/4	1,324.50	3/4	1,063.56	3/4	804.00	3/4	543.31	3/4	282.38	3/4	24.21	3/4		3/4		3/4	
4	1,579.90	4	1,319.07	4	1,058.12	4	798.61	4	537.87	4	276.95	4	19.69	4		4		4	
1/4	1,574.46	1/4	1,313.63	1/4	1,052.69	1/4	793.21	1/4	532.43	1/4	271.51	1/4	15.17	1/4		1/4		1/4	
1/2	1,569.03	1/2	1,308.19	1/2	1,047.25	1/2	787.78	1/2	527.00	1/2	266.08	1/2	12.45	1/2		1/2		1/2	
3/4	1,563.60	3/4	1,302.76	3/4	1,041.81	3/4	782.35	3/4	521.56	3/4	260.64	3/4	9.73	3/4		3/4		3/4	
5	1,558.16	5	1,297.32	5	1,036.38	5	776.92	5	516.13	5	255.20	5	7.02	5		5		5	
1/4	1,552.73	1/4	1,291.88	1/4	1,030.94	1/4	771.49	1/4	510.69	1/4	249.77	1/4	4.30	1/4		1/4		1/4	
1/2	1,547.30	1/2	1,286.45	1/2	1,025.51	1/2	766.06	1/2	505.26	1/2	244.33	1/2	3.39	1/2		1/2		1/2	
3/4	1,541.87	3/4	1,281.01	3/4	1,020.07	3/4	760.63	3/4	499.82	3/4	238.90	3/4	2.49	3/4		3/4		3/4	
6	1,536.43	6	1,275.58	6	1,014.63	6	755.20	6	494.38	6	233.46	6	1.58	6		6		6	
1/4	1,531.00	1/4	1,270.14	1/4	1,009.20	1/4	749.77	1/4	488.95	1/4	228.02	1/4	0.68	1/4		1/4		1/4	
1/2	1,525.57	1/2	1,264.70	1/2	1,003.80	1/2	744.34	1/2	483.51	1/2	222.59	1/2		1/2		1/2		1/2	
3/4	1,520.13	3/4	1,259.27	3/4	998.40	3/4	738.90	3/4	478.08	3/4	217.15	3/4		3/4		3/4		3/4	
7	1,514.70	7	1,253.83	7	993.00	7	733.47	7	472.64	7	211.72	7		7		7		7	
1/4	1,509.27	1/4	1,248.39	1/4	987.60	1/4	728.04	1/4	467.20	1/4	206.28	1/4		1/4		1/4		1/4	
1/2	1,503.84	1/2	1,242.96	1/2	982.20	1/2	722.61	1/2	461.77	1/2	200.85	1/2		1/2		1/2		1/2	
3/4	1,498.40	3/4	1,237.52	3/4	976.80	3/4	717.18	3/4	456.33	3/4	195.41	3/4		3/4		3/4		3/4	
8	1,492.97	8	1,232.09	8	971.40	8	711.75	8	450.90	8	189.97	8		8		8		8	
1/4	1,487.54	1/4	1,226.65	1/4	966.00	1/4	706.32	1/4	445.46	1/4	184.54	1/4		1/4		1/4		1/4	
1/2	1,482.10	1/2	1,221.21	1/2	960.60	1/2	700.89	1/2	440.02	1/2	179.10	1/2		1/2		1/2		1/2	
3/4	1,476.67	3/4	1,215.78	3/4	955.20	3/4	695.46	3/4	434.59	3/4	173.67	3/4		3/4		3/4		3/4	
9	1,471.24	9	1,210.34	9	949.80	9	690.03	9	429.15	9	168.23	9		9		9		9	
1/4	1,465.81	1/4	1,204.90	1/4	944.40	1/4	684.59	1/4	423.72	1/4	162.79	1/4		1/4		1/4		1/4	
1/2	1,460.37	1/2	1,199.47	1/2	939.00	1/2	679.16	1/2	418.28	1/2	157.36	1/2		1/2		1/2		1/2	
3/4	1,454.94	3/4	1,194.03	3/4	933.60	3/4	673.73	3/4	412.85	3/4	151.92	3/4		3/4		3/4		3/4	
10	1,449.51	10	1,188.59	10	928.20	10	668.30	10	407.41	10	146.49	10		10		10		10	
1/4	1,444.07	1/4	1,183.16	1/4	922.80	1/4	662.87	1/4	401.97	1/4	141.05	1/4		1/4		1/4		1/4	
1/2	1,438.64	1/2	1,177.72	1/2	917.40	1/2	657.44	1/2	396.54	1/2	135.62	1/2		1/2		1/2		1/2	
3/4	1,433.21	3/4	1,172.29	3/4	912.00	3/4	652.01	3/4	391.10	3/4	130.19	3/4		3/4		3/4		3/4	
11	1,427.78	11	1,166.85	11	906.60	11	646.58	11	385.67	11	124.76	11		11		11		11	
1/4	1,422.34	1/4	1,161.41	1/4	901.19	1/4	641.15	1/4	380.23	1/4	119.33	1/4		1/4		1/4		1/4	
1/2	1,416.91	1/2	1,155.98	1/2	895.79	1/2	635.71	1/2	374.79	1/2	113.91	1/2		1/2		1/2		1/2	
3/4	1,411.48	3/4	1,150.54	3/4	890.39	3/4	630.28	3/4	369.36	3/4	108.49	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 01/06/2014 CL
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