



BARGE "KIRBY 10136"

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	00-0/8	- 00-0/8	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
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 13, 2015

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

<http://www.pmacorp.net>



BARGE "KIRBY 10136"

3 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	3,241.61	0	2,981.98	0	2,722.36	0	2,462.35	0	2,201.33	0	1,940.30
1/4		1/4		1/4		1/4		1/4	3,236.20	1/4	2,976.57	1/4	2,716.95	1/4	2,456.91	1/4	2,195.89	1/4	1,934.86
1/2		1/2		1/2		1/2		1/2	3,230.79	1/2	2,971.17	1/2	2,711.54	1/2	2,451.47	1/2	2,190.45	1/2	1,929.43
3/4		3/4		3/4		3/4		3/4	3,450.08	3/4	3,225.38	3/4	2,965.76	3/4	2,706.13	3/4	2,446.04	3/4	2,185.01
1		1		1		1		1	3,449.17	1	3,219.98	1	2,960.35	1	2,700.72	1	2,440.60	1	2,179.57
1/4		1/4		1/4		1/4		1/4	3,448.27	1/4	3,214.57	1/4	2,954.94	1/4	2,695.31	1/4	2,435.16	1/4	2,174.14
1/2		1/2		1/2		1/2		1/2	3,447.36	1/2	3,209.16	1/2	2,949.53	1/2	2,689.90	1/2	2,429.72	1/2	2,168.70
3/4		3/4		3/4		3/4		3/4	3,446.45	3/4	3,203.75	3/4	2,944.12	3/4	2,684.49	3/4	2,424.28	3/4	2,163.26
2		2		2		2		2	3,443.73	2	3,198.34	2	2,938.71	2	2,679.09	2	2,418.85	2	2,157.82
1/4		1/4		1/4		1/4		1/4	3,441.01	1/4	3,192.93	1/4	2,933.30	1/4	2,673.68	1/4	2,413.41	1/4	2,152.38
1/2		1/2		1/2		1/2		1/2	3,438.29	1/2	3,187.52	1/2	2,927.89	1/2	2,668.27	1/2	2,407.97	1/2	2,146.95
3/4		3/4		3/4		3/4		3/4	3,435.57	3/4	3,182.11	3/4	2,922.49	3/4	2,662.86	3/4	2,402.53	3/4	2,141.51
3		3		3		3		3	3,431.17	3	3,176.70	3	2,917.08	3	2,657.45	3	2,397.09	3	2,136.07
1/4		1/4		1/4		1/4		1/4	3,426.76	1/4	3,171.29	1/4	2,911.67	1/4	2,652.04	1/4	2,391.66	1/4	2,130.63
1/2		1/2		1/2		1/2		1/2	3,422.36	1/2	3,165.89	1/2	2,906.26	1/2	2,646.63	1/2	2,386.22	1/2	2,125.19
3/4		3/4		3/4		3/4		3/4	3,417.95	3/4	3,160.48	3/4	2,900.85	3/4	2,641.22	3/4	2,380.78	3/4	2,119.76
4		4		4		4		4	3,412.68	4	3,155.07	4	2,895.44	4	2,635.81	4	2,375.34	4	2,114.32
1/4		1/4		1/4		1/4		1/4	3,407.41	1/4	3,149.66	1/4	2,890.03	1/4	2,630.40	1/4	2,369.90	1/4	2,108.88
1/2		1/2		1/2		1/2		1/2	3,402.14	1/2	3,144.25	1/2	2,884.62	1/2	2,625.00	1/2	2,364.47	1/2	2,103.44
3/4		3/4		3/4		3/4		3/4	3,396.87	3/4	3,138.84	3/4	2,879.21	3/4	2,619.59	3/4	2,359.03	3/4	2,098.00
5		5		5		5		5	3,391.57	5	3,133.43	5	2,873.81	5	2,614.18	5	2,353.59	5	2,092.57
1/4		1/4		1/4		1/4		1/4	3,386.27	1/4	3,128.02	1/4	2,868.40	1/4	2,608.77	1/4	2,348.15	1/4	2,087.13
1/2		1/2		1/2		1/2		1/2	3,380.97	1/2	3,122.61	1/2	2,862.99	1/2	2,603.36	1/2	2,342.71	1/2	2,081.69
3/4		3/4		3/4		3/4		3/4	3,375.67	3/4	3,117.21	3/4	2,857.58	3/4	2,597.95	3/4	2,337.28	3/4	2,076.25
6		6		6		6		6	3,370.35	6	3,111.80	6	2,852.17	6	2,592.54	6	2,331.84	6	2,070.81
1/4		1/4		1/4		1/4		1/4	3,365.03	1/4	3,106.39	1/4	2,846.76	1/4	2,587.13	1/4	2,326.40	1/4	2,065.38
1/2		1/2		1/2		1/2		1/2	3,359.72	1/2	3,100.98	1/2	2,841.35	1/2	2,581.72	1/2	2,320.96	1/2	2,059.94
3/4		3/4		3/4		3/4		3/4	3,354.40	3/4	3,095.57	3/4	2,835.94	3/4	2,576.32	3/4	2,315.52	3/4	2,054.50
7		7		7		7		7	3,349.09	7	3,090.16	7	2,830.53	7	2,570.91	7	2,310.09	7	2,049.06
1/4		1/4		1/4		1/4		1/4	3,343.78	1/4	3,084.75	1/4	2,825.13	1/4	2,565.50	1/4	2,304.65	1/4	2,043.62
1/2		1/2		1/2		1/2		1/2	3,338.47	1/2	3,079.34	1/2	2,819.72	1/2	2,560.09	1/2	2,299.21	1/2	2,038.19
3/4		3/4		3/4		3/4		3/4	3,333.16	3/4	3,073.93	3/4	2,814.31	3/4	2,554.68	3/4	2,293.77	3/4	2,032.75
8		8		8		8		8	3,327.85	8	3,068.53	8	2,808.90	8	2,549.27	8	2,288.33	8	2,027.31
1/4		1/4		1/4		1/4		1/4	3,322.55	1/4	3,063.12	1/4	2,803.49	1/4	2,543.86	1/4	2,282.90	1/4	2,021.87
1/2		1/2		1/2		1/2		1/2	3,317.24	1/2	3,057.71	1/2	2,798.08	1/2	2,538.45	1/2	2,277.46	1/2	2,016.43
3/4		3/4		3/4		3/4		3/4	3,311.93	3/4	3,052.30	3/4	2,792.67	3/4	2,533.04	3/4	2,272.02	3/4	2,011.00
9		9		9		9		9	3,306.52	9	3,046.89	9	2,787.26	9	2,527.61	9	2,266.58	9	2,005.56
1/4		1/4		1/4		1/4		1/4	3,301.11	1/4	3,041.48	1/4	2,781.85	1/4	2,522.17	1/4	2,261.14	1/4	2,000.12
1/2		1/2		1/2		1/2		1/2	3,295.70	1/2	3,036.07	1/2	2,776.45	1/2	2,516.73	1/2	2,255.71	1/2	1,994.68
3/4		3/4		3/4		3/4		3/4	3,290.29	3/4	3,030.66	3/4	2,771.04	3/4	2,511.29	3/4	2,250.27	3/4	1,989.24
10		10		10		10		10	3,284.88	10	3,025.25	10	2,765.63	10	2,505.85	10	2,244.83	10	1,983.81
1/4		1/4		1/4		1/4		1/4	3,279.47	1/4	3,019.85	1/4	2,760.22	1/4	2,500.42	1/4	2,239.39	1/4	1,978.37
1/2		1/2		1/2		1/2		1/2	3,274.06	1/2	3,014.44	1/2	2,754.81	1/2	2,494.98	1/2	2,233.95	1/2	1,972.93
3/4		3/4		3/4		3/4		3/4	3,268.66	3/4	3,009.03	3/4	2,749.40	3/4	2,489.54	3/4	2,228.52	3/4	1,967.49
11		11		11		11		11	3,263.25	11	3,003.62	11	2,743.99	11	2,484.10	11	2,223.08	11	1,962.05
1/4		1/4		1/4		1/4		1/4	3,257.84	1/4	2,998.21	1/4	2,738.58	1/4	2,478.66	1/4	2,217.64	1/4	1,956.62
1/2		1/2		1/2		1/2		1/2	3,252.43	1/2	2,992.80	1/2	2,733.17	1/2	2,473.23	1/2	2,212.20	1/2	1,951.18
3/4		3/4		3/4		3/4		3/4	3,247.02	3/4	2,987.39	3/4	2,727.77	3/4	2,467.79	3/4	2,206.76	3/4	1,945.74

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

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3 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	1,679.28	0	1,418.25	0	1,157.07	0	896.64	0	636.32	0	375.15	0	114.02	0		0		0	
1/4	1,673.84	1/4	1,412.82	1/4	1,151.63	1/4	891.24	1/4	630.88	1/4	369.71	1/4	108.59	1/4		1/4		1/4	
1/2	1,668.40	1/2	1,407.38	1/2	1,146.19	1/2	885.83	1/2	625.44	1/2	364.27	1/2	103.17	1/2		1/2		1/2	
3/4	1,662.96	3/4	1,401.94	3/4	1,140.75	3/4	880.43	3/4	620.00	3/4	358.83	3/4	97.75	3/4		3/4		3/4	
1	1,657.53	1	1,396.50	1	1,135.31	1	875.02	1	614.56	1	353.39	1	92.34	1		1		1	
1/4	1,652.09	1/4	1,391.06	1/4	1,129.87	1/4	869.62	1/4	609.12	1/4	347.95	1/4	86.93	1/4		1/4		1/4	
1/2	1,646.65	1/2	1,385.62	1/2	1,124.42	1/2	864.21	1/2	603.68	1/2	342.50	1/2	81.53	1/2		1/2		1/2	
3/4	1,641.21	3/4	1,380.17	3/4	1,118.98	3/4	858.81	3/4	598.24	3/4	337.06	3/4	76.12	3/4		3/4		3/4	
2	1,635.77	2	1,374.73	2	1,113.54	2	853.40	2	592.79	2	331.62	2	70.74	2		2		2	
1/4	1,630.34	1/4	1,369.29	1/4	1,108.10	1/4	848.00	1/4	587.35	1/4	326.18	1/4	65.36	1/4		1/4		1/4	
1/2	1,624.90	1/2	1,363.85	1/2	1,102.66	1/2	842.59	1/2	581.91	1/2	320.74	1/2	59.98	1/2		1/2		1/2	
3/4	1,619.46	3/4	1,358.41	3/4	1,097.22	3/4	837.19	3/4	576.47	3/4	315.30	3/4	54.61	3/4		3/4		3/4	
3	1,614.02	3	1,352.97	3	1,091.78	3	831.78	3	571.03	3	309.86	3	49.28	3		3		3	
1/4	1,608.58	1/4	1,347.53	1/4	1,086.33	1/4	826.38	1/4	565.59	1/4	304.42	1/4	43.95	1/4		1/4		1/4	
1/2	1,603.15	1/2	1,342.08	1/2	1,080.89	1/2	820.97	1/2	560.15	1/2	298.98	1/2	38.62	1/2		1/2		1/2	
3/4	1,597.71	3/4	1,336.64	3/4	1,075.45	3/4	815.57	3/4	554.71	3/4	293.53	3/4	33.29	3/4		3/4		3/4	
4	1,592.27	4	1,331.20	4	1,070.01	4	810.17	4	549.27	4	288.09	4	28.76	4		4		4	
1/4	1,586.83	1/4	1,325.76	1/4	1,064.57	1/4	804.77	1/4	543.82	1/4	282.65	1/4	24.24	1/4		1/4		1/4	
1/2	1,581.39	1/2	1,320.32	1/2	1,059.13	1/2	799.37	1/2	538.38	1/2	277.21	1/2	19.71	1/2		1/2		1/2	
3/4	1,575.96	3/4	1,314.88	3/4	1,053.68	3/4	793.97	3/4	532.94	3/4	271.77	3/4	15.18	3/4		3/4		3/4	
5	1,570.52	5	1,309.44	5	1,048.24	5	788.53	5	527.50	5	266.33	5	12.46	5		5		5	
1/4	1,565.08	1/4	1,303.99	1/4	1,042.80	1/4	783.09	1/4	522.06	1/4	260.89	1/4	9.74	1/4		1/4		1/4	
1/2	1,559.64	1/2	1,298.55	1/2	1,037.36	1/2	777.66	1/2	516.62	1/2	255.45	1/2	7.02	1/2		1/2		1/2	
3/4	1,554.20	3/4	1,293.11	3/4	1,031.92	3/4	772.22	3/4	511.18	3/4	250.01	3/4	4.30	3/4		3/4		3/4	
6	1,548.77	6	1,287.67	6	1,026.48	6	766.78	6	505.74	6	244.56	6	3.40	6		6		6	
1/4	1,543.33	1/4	1,282.23	1/4	1,021.04	1/4	761.35	1/4	500.30	1/4	239.12	1/4	2.49	1/4		1/4		1/4	
1/2	1,537.89	1/2	1,276.79	1/2	1,015.59	1/2	755.91	1/2	494.85	1/2	233.68	1/2	1.58	1/2		1/2		1/2	
3/4	1,532.45	3/4	1,271.34	3/4	1,010.15	3/4	750.48	3/4	489.41	3/4	228.24	3/4	0.68	3/4		3/4		3/4	
7	1,527.01	7	1,265.90	7	1,004.75	7	745.04	7	483.97	7	222.80	7		7		7		7	
1/4	1,521.58	1/4	1,260.46	1/4	999.34	1/4	739.60	1/4	478.53	1/4	217.36	1/4		1/4		1/4		1/4	
1/2	1,516.14	1/2	1,255.02	1/2	993.94	1/2	734.17	1/2	473.09	1/2	211.92	1/2		1/2		1/2		1/2	
3/4	1,510.70	3/4	1,249.58	3/4	988.53	3/4	728.73	3/4	467.65	3/4	206.48	3/4		3/4		3/4		3/4	
8	1,505.26	8	1,244.14	8	983.13	8	723.30	8	462.21	8	201.04	8		8		8		8	
1/4	1,499.82	1/4	1,238.70	1/4	977.72	1/4	717.86	1/4	456.77	1/4	195.59	1/4		1/4		1/4		1/4	
1/2	1,494.39	1/2	1,233.25	1/2	972.32	1/2	712.42	1/2	451.33	1/2	190.15	1/2		1/2		1/2		1/2	
3/4	1,488.95	3/4	1,227.81	3/4	966.91	3/4	706.99	3/4	445.89	3/4	184.71	3/4		3/4		3/4		3/4	
9	1,483.51	9	1,222.37	9	961.51	9	701.55	9	440.44	9	179.27	9		9		9		9	
1/4	1,478.07	1/4	1,216.93	1/4	956.10	1/4	696.12	1/4	435.00	1/4	173.83	1/4		1/4		1/4		1/4	
1/2	1,472.63	1/2	1,211.49	1/2	950.70	1/2	690.68	1/2	429.56	1/2	168.39	1/2		1/2		1/2		1/2	
3/4	1,467.20	3/4	1,206.05	3/4	945.29	3/4	685.24	3/4	424.12	3/4	162.95	3/4		3/4		3/4		3/4	
10	1,461.76	10	1,200.61	10	939.89	10	679.81	10	418.68	10	157.51	10		10		10		10	
1/4	1,456.32	1/4	1,195.16	1/4	934.48	1/4	674.37	1/4	413.24	1/4	152.07	1/4		1/4		1/4		1/4	
1/2	1,450.88	1/2	1,189.72	1/2	929.07	1/2	668.93	1/2	407.80	1/2	146.63	1/2		1/2		1/2		1/2	
3/4	1,445.44	3/4	1,184.28	3/4	923.67	3/4	663.50	3/4	402.36	3/4	141.19	3/4		3/4		3/4		3/4	
11	1,440.01	11	1,178.84	11	918.26	11	658.06	11	396.92	11	135.75	11		11		11		11	
1/4	1,434.57	1/4	1,173.40	1/4	912.86	1/4	652.63	1/4	391.47	1/4	130.31	1/4		1/4		1/4		1/4	
1/2	1,429.13	1/2	1,167.96	1/2	907.45	1/2	647.19	1/2	386.03	1/2	124.88	1/2		1/2		1/2		1/2	
3/4	1,423.69	3/4	1,162.51	3/4	902.05	3/4	641.76	3/4	380.59	3/4	119.44	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2015 CL
CALCULATED: 03/13/2015 CL
PRINTED: 03/13/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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



BARGE "KIRBY 10136"

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	3,266.56	0	3,005.02	0	2,743.48	0	2,481.59	0	2,218.65	0	1,955.71	0	1,955.71
1/4		1/4		1/4		1/4	3,261.12	1/4	2,999.57	1/4	2,738.03	1/4	2,476.11	1/4	2,213.17	1/4	1,950.23	1/4	1,950.23
1/2		1/2		1/2		1/2	3,255.67	1/2	2,994.12	1/2	2,732.58	1/2	2,470.63	1/2	2,207.69	1/2	1,944.75	1/2	1,944.75
3/4		3/4		3/4		3/4	3,250.22	3/4	2,988.67	3/4	2,727.13	3/4	2,465.15	3/4	2,202.21	3/4	1,939.28	3/4	1,939.28
1	1	1	1	1	3,471.12	1	3,244.77	1	2,983.23	1	2,721.68	1	2,459.68	1	2,196.74	1	1,933.80	1	1,933.80
1/4		1/4		1/4		1/4	3,470.21	1/4	3,239.32	1/4	2,977.78	1/4	2,716.23	1/4	2,454.20	1/4	2,191.26	1/4	1,928.32
1/2		1/2		1/2		1/2	3,469.30	1/2	3,233.87	1/2	2,972.33	1/2	2,710.79	1/2	2,448.72	1/2	2,185.78	1/2	1,922.84
3/4		3/4		3/4		3/4	3,468.38	3/4	3,228.42	3/4	2,966.88	3/4	2,705.34	3/4	2,443.24	3/4	2,180.30	3/4	1,917.36
2	2	2	2	2	3,467.47	2	3,222.97	2	2,961.43	2	2,699.89	2	2,437.76	2	2,174.82	2	1,911.89	2	1,911.89
1/4		1/4		1/4		1/4	3,464.73	1/4	3,217.52	1/4	2,955.98	1/4	2,694.44	1/4	2,432.29	1/4	2,169.35	1/4	1,906.41
1/2		1/2		1/2		1/2	3,461.99	1/2	3,212.08	1/2	2,950.53	1/2	2,688.99	1/2	2,426.81	1/2	2,163.87	1/2	1,900.93
3/4		3/4		3/4		3/4	3,459.25	3/4	3,206.63	3/4	2,945.08	3/4	2,683.54	3/4	2,421.33	3/4	2,158.39	3/4	1,895.45
3	3	3	3	3	3,456.51	3	3,201.18	3	2,939.64	3	2,678.09	3	2,415.85	3	2,152.91	3	1,889.97	3	1,889.97
1/4		1/4		1/4		1/4	3,452.07	1/4	3,195.73	1/4	2,934.19	1/4	2,672.64	1/4	2,410.37	1/4	2,147.44	1/4	1,884.50
1/2		1/2		1/2		1/2	3,447.63	1/2	3,190.28	1/2	2,928.74	1/2	2,667.20	1/2	2,404.90	1/2	2,141.96	1/2	1,879.02
3/4		3/4		3/4		3/4	3,443.19	3/4	3,184.83	3/4	2,923.29	3/4	2,661.75	3/4	2,399.42	3/4	2,136.48	3/4	1,873.54
4	4	4	4	4	3,438.75	4	3,179.38	4	2,917.84	4	2,656.30	4	2,393.94	4	2,131.00	4	1,868.06	4	1,868.06
1/4		1/4		1/4		1/4	3,433.44	1/4	3,173.93	1/4	2,912.39	1/4	2,650.85	1/4	2,388.46	1/4	2,125.52	1/4	1,862.58
1/2		1/2		1/2		1/2	3,428.13	1/2	3,168.49	1/2	2,906.94	1/2	2,645.40	1/2	2,382.99	1/2	2,120.05	1/2	1,857.11
3/4		3/4		3/4		3/4	3,422.82	3/4	3,163.04	3/4	2,901.49	3/4	2,639.95	3/4	2,377.51	3/4	2,114.57	3/4	1,851.63
5	5	5	5	5	3,417.51	5	3,157.59	5	2,896.05	5	2,634.50	5	2,372.03	5	2,109.09	5	1,846.15	5	1,846.15
1/4		1/4		1/4		1/4	3,412.17	1/4	3,152.14	1/4	2,890.60	1/4	2,629.05	1/4	2,366.55	1/4	2,103.61	1/4	1,840.67
1/2		1/2		1/2		1/2	3,406.83	1/2	3,146.69	1/2	2,885.15	1/2	2,623.61	1/2	2,361.07	1/2	2,098.13	1/2	1,835.20
3/4		3/4		3/4		3/4	3,401.49	3/4	3,141.24	3/4	2,879.70	3/4	2,618.16	3/4	2,355.60	3/4	2,092.66	3/4	1,829.72
6	6	6	6	6	3,396.15	6	3,135.79	6	2,874.25	6	2,612.71	6	2,350.12	6	2,087.18	6	1,824.24	6	1,824.24
1/4		1/4		1/4		1/4	3,390.80	1/4	3,130.34	1/4	2,868.80	1/4	2,607.26	1/4	2,344.64	1/4	2,081.70	1/4	1,818.76
1/2		1/2		1/2		1/2	3,385.45	1/2	3,124.90	1/2	2,863.35	1/2	2,601.81	1/2	2,339.16	1/2	2,076.22	1/2	1,813.28
3/4		3/4		3/4		3/4	3,380.09	3/4	3,119.45	3/4	2,857.90	3/4	2,596.36	3/4	2,333.68	3/4	2,070.74	3/4	1,807.81
7	7	7	7	7	3,374.74	7	3,114.00	7	2,852.45	7	2,590.91	7	2,328.21	7	2,065.27	7	1,802.33	7	1,802.33
1/4		1/4		1/4		1/4	3,369.39	1/4	3,108.55	1/4	2,847.01	1/4	2,585.46	1/4	2,322.73	1/4	2,059.79	1/4	1,796.85
1/2		1/2		1/2		1/2	3,364.04	1/2	3,103.10	1/2	2,841.56	1/2	2,580.01	1/2	2,317.25	1/2	2,054.31	1/2	1,791.37
3/4		3/4		3/4		3/4	3,358.69	3/4	3,097.65	3/4	2,836.11	3/4	2,574.57	3/4	2,311.77	3/4	2,048.83	3/4	1,785.89
8	8	8	8	8	3,353.35	8	3,092.20	8	2,830.66	8	2,569.12	8	2,306.29	8	2,043.36	8	1,780.42	8	1,780.42
1/4		1/4		1/4		1/4	3,348.00	1/4	3,086.75	1/4	2,825.21	1/4	2,563.67	1/4	2,300.82	1/4	2,037.88	1/4	1,774.94
1/2		1/2		1/2		1/2	3,342.65	1/2	3,081.30	1/2	2,819.76	1/2	2,558.22	1/2	2,295.34	1/2	2,032.40	1/2	1,769.46
3/4		3/4		3/4		3/4	3,337.30	3/4	3,075.86	3/4	2,814.31	3/4	2,552.77	3/4	2,289.86	3/4	2,026.92	3/4	1,763.98
9	9	9	9	9	3,331.95	9	3,070.41	9	2,808.86	9	2,547.32	9	2,284.38	9	2,021.44	9	1,758.50	9	1,758.50
1/4		1/4		1/4		1/4	3,326.50	1/4	3,064.96	1/4	2,803.42	1/4	2,541.84	1/4	2,278.91	1/4	2,015.97	1/4	1,753.03
1/2		1/2		1/2		1/2	3,321.05	1/2	3,059.51	1/2	2,797.97	1/2	2,536.37	1/2	2,273.43	1/2	2,010.49	1/2	1,747.55
3/4		3/4		3/4		3/4	3,315.60	3/4	3,054.06	3/4	2,792.52	3/4	2,530.89	3/4	2,267.95	3/4	2,005.01	3/4	1,742.07
10	10	10	10	10	3,310.15	10	3,048.61	10	2,787.07	10	2,525.41	10	2,262.47	10	1,999.53	10	1,736.59	10	1,736.59
1/4		1/4		1/4		1/4	3,304.71	1/4	3,043.16	1/4	2,781.62	1/4	2,519.93	1/4	2,256.99	1/4	1,994.05	1/4	1,731.12
1/2		1/2		1/2		1/2	3,299.26	1/2	3,037.71	1/2	2,776.17	1/2	2,514.45	1/2	2,251.52	1/2	1,988.58	1/2	1,725.64
3/4		3/4		3/4		3/4	3,293.81	3/4	3,032.27	3/4	2,770.72	3/4	2,508.98	3/4	2,246.04	3/4	1,983.10	3/4	1,720.16
11	11	11	11	11	3,288.36	11	3,026.82	11	2,765.27	11	2,503.50	11	2,240.56	11	1,977.62	11	1,714.68	11	1,714.68
1/4		1/4		1/4		1/4	3,282.91	1/4	3,021.37	1/4	2,759.83	1/4	2,498.02	1/4	2,235.08	1/4	1,972.14	1/4	1,709.20
1/2		1/2		1/2		1/2	3,277.46	1/2	3,015.92	1/2	2,754.38	1/2	2,492.54	1/2	2,229.60	1/2	1,966.66	1/2	1,703.73
3/4		3/4		3/4		3/4	3,272.01	3/4	3,010.47	3/4	2,748.93	3/4	2,487.07	3/4	2,224.13	3/4	1,961.19	3/4	1,698.25

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 10136"

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	1,692.77	0	1,429.83	0	1,166.74	0	905.15	0	646.29	0	383.38	0	120.31	0		0		0	
1/4	1,687.29	1/4	1,424.35	1/4	1,161.26	1/4	899.76	1/4	640.85	1/4	377.90	1/4	114.85	1/4		1/4		1/4	
1/2	1,681.81	1/2	1,418.87	1/2	1,155.77	1/2	894.36	1/2	635.41	1/2	372.42	1/2	109.39	1/2		1/2		1/2	
3/4	1,676.34	3/4	1,413.40	3/4	1,150.29	3/4	888.96	3/4	629.98	3/4	366.93	3/4	103.92	3/4		3/4		3/4	
1	1,670.86	1	1,407.92	1	1,144.81	1	883.57	1	624.54	1	361.45	1	98.46	1		1		1	
1/4	1,665.38	1/4	1,402.44	1/4	1,139.33	1/4	878.17	1/4	619.06	1/4	355.97	1/4	93.01	1/4		1/4		1/4	
1/2	1,659.90	1/2	1,396.96	1/2	1,133.85	1/2	872.77	1/2	613.58	1/2	350.49	1/2	87.56	1/2		1/2		1/2	
3/4	1,654.42	3/4	1,391.47	3/4	1,128.37	3/4	867.38	3/4	608.10	3/4	345.01	3/4	82.12	3/4		3/4		3/4	
2	1,648.95	2	1,385.99	2	1,122.89	2	861.98	2	602.62	2	339.53	2	76.67	2		2		2	
1/4	1,643.47	1/4	1,380.51	1/4	1,117.40	1/4	856.58	1/4	597.14	1/4	334.05	1/4	71.25	1/4		1/4		1/4	
1/2	1,637.99	1/2	1,375.03	1/2	1,111.92	1/2	851.19	1/2	591.66	1/2	328.57	1/2	65.84	1/2		1/2		1/2	
3/4	1,632.51	3/4	1,369.55	3/4	1,106.44	3/4	845.79	3/4	586.17	3/4	323.09	3/4	60.42	3/4		3/4		3/4	
3	1,627.03	3	1,364.07	3	1,100.96	3	840.39	3	580.69	3	317.61	3	55.00	3		3		3	
1/4	1,621.56	1/4	1,358.59	1/4	1,095.48	1/4	835.00	1/4	575.21	1/4	312.12	1/4	49.63	1/4		1/4		1/4	
1/2	1,616.08	1/2	1,353.10	1/2	1,090.00	1/2	829.60	1/2	569.73	1/2	306.64	1/2	44.27	1/2		1/2		1/2	
3/4	1,610.60	3/4	1,347.62	3/4	1,084.52	3/4	824.20	3/4	564.25	3/4	301.16	3/4	38.90	3/4		3/4		3/4	
4	1,605.12	4	1,342.14	4	1,079.03	4	818.81	4	558.77	4	295.68	4	33.53	4		4		4	
1/4	1,599.65	1/4	1,336.66	1/4	1,073.55	1/4	813.42	1/4	553.29	1/4	290.20	1/4	28.97	1/4		1/4		1/4	
1/2	1,594.17	1/2	1,331.18	1/2	1,068.07	1/2	808.02	1/2	547.81	1/2	284.72	1/2	24.41	1/2		1/2		1/2	
3/4	1,588.69	3/4	1,325.70	3/4	1,062.59	3/4	802.63	3/4	542.33	3/4	279.24	3/4	19.85	3/4		3/4		3/4	
5	1,583.21	5	1,320.22	5	1,057.11	5	797.24	5	536.85	5	273.76	5	15.29	5		5		5	
1/4	1,577.73	1/4	1,314.74	1/4	1,051.63	1/4	791.85	1/4	531.36	1/4	268.28	1/4	12.55	1/4		1/4		1/4	
1/2	1,572.26	1/2	1,309.25	1/2	1,046.15	1/2	786.46	1/2	525.88	1/2	262.80	1/2	9.81	1/2		1/2		1/2	
3/4	1,566.78	3/4	1,303.77	3/4	1,040.67	3/4	781.07	3/4	520.40	3/4	257.31	3/4	7.07	3/4		3/4		3/4	
6	1,561.30	6	1,298.29	6	1,035.18	6	775.68	6	514.92	6	251.83	6	4.33	6		6		6	
1/4	1,555.82	1/4	1,292.81	1/4	1,029.70	1/4	770.29	1/4	509.44	1/4	246.35	1/4	3.42	1/4		1/4		1/4	
1/2	1,550.34	1/2	1,287.33	1/2	1,024.22	1/2	764.89	1/2	503.96	1/2	240.87	1/2	2.50	1/2		1/2		1/2	
3/4	1,544.87	3/4	1,281.85	3/4	1,018.74	3/4	759.50	3/4	498.48	3/4	235.39	3/4	1.59	3/4		3/4		3/4	
7	1,539.39	7	1,276.37	7	1,013.26	7	754.11	7	493.00	7	229.91	7	0.68	7		7		7	
1/4	1,533.91	1/4	1,270.88	1/4	1,007.82	1/4	748.72	1/4	487.52	1/4	224.43	1/4		1/4		1/4		1/4	
1/2	1,528.43	1/2	1,265.40	1/2	1,002.38	1/2	743.33	1/2	482.04	1/2	218.95	1/2		1/2		1/2		1/2	
3/4	1,522.95	3/4	1,259.92	3/4	996.94	3/4	737.94	3/4	476.55	3/4	213.47	3/4		3/4		3/4		3/4	
8	1,517.48	8	1,254.44	8	991.50	8	732.55	8	471.07	8	207.99	8		8		8		8	
1/4	1,512.00	1/4	1,248.96	1/4	986.11	1/4	727.16	1/4	465.59	1/4	202.50	1/4		1/4		1/4		1/4	
1/2	1,506.52	1/2	1,243.48	1/2	980.71	1/2	721.76	1/2	460.11	1/2	197.02	1/2		1/2		1/2		1/2	
3/4	1,501.04	3/4	1,238.00	3/4	975.31	3/4	716.37	3/4	454.63	3/4	191.54	3/4		3/4		3/4		3/4	
9	1,495.57	9	1,232.51	9	969.91	9	710.98	9	449.15	9	186.06	9		9		9		9	
1/4	1,490.09	1/4	1,227.03	1/4	964.52	1/4	705.59	1/4	443.67	1/4	180.58	1/4		1/4		1/4		1/4	
1/2	1,484.61	1/2	1,221.55	1/2	959.12	1/2	700.20	1/2	438.19	1/2	175.10	1/2		1/2		1/2		1/2	
3/4	1,479.13	3/4	1,216.07	3/4	953.72	3/4	694.81	3/4	432.71	3/4	169.62	3/4		3/4		3/4		3/4	
10	1,473.65	10	1,210.59	10	948.33	10	689.42	10	427.23	10	164.14	10		10		10		10	
1/4	1,468.18	1/4	1,205.11	1/4	942.93	1/4	684.02	1/4	421.74	1/4	158.66	1/4		1/4		1/4		1/4	
1/2	1,462.70	1/2	1,199.63	1/2	937.53	1/2	678.63	1/2	416.26	1/2	153.18	1/2		1/2		1/2		1/2	
3/4	1,457.22	3/4	1,194.14	3/4	932.14	3/4	673.24	3/4	410.78	3/4	147.70	3/4		3/4		3/4		3/4	
11	1,451.74	11	1,188.66	11	926.74	11	667.85	11	405.30	11	142.22	11		11		11		11	
1/4	1,446.26	1/4	1,183.18	1/4	921.34	1/4	662.46	1/4	399.82	1/4	136.74	1/4		1/4		1/4		1/4	
1/2	1,440.79	1/2	1,177.70	1/2	915.95	1/2	657.07	1/2	394.34	1/2	131.27	1/2		1/2		1/2		1/2	
3/4	1,435.31	3/4	1,172.22	3/4	910.55	3/4	651.68	3/4	388.86	3/4	125.79	3/4		3/4		3/4		3/4	

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



BARGE "KIRBY 10136"

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	3,556.14	0	3,303.47	0	3,050.80	0	2,793.34	0	2,498.05	0	2,202.02		
1/4		1/4		1/4		1/4	3,550.88	1/4	3,298.21	1/4	3,045.53	1/4	2,787.19	1/4	2,491.88	1/4	2,195.85		
1/2		1/2		1/2		1/2	3,545.61	1/2	3,292.94	1/2	3,040.27	1/2	2,781.04	1/2	2,485.71	1/2	2,189.69		
3/4		3/4		3/4		3/4	3,760.98	3/4	3,540.35	3/4	3,287.68	3/4	3,035.01	3/4	2,774.89	3/4	2,479.55	3/4	2,183.52
1	1	1		1		1	3,759.95	1	3,535.09	1	3,282.41	1	3,029.74	1	2,768.75	1	2,473.38	1	2,177.35
1/4		1/4		1/4		1/4	3,758.91	1/4	3,529.82	1/4	3,277.15	1/4	3,024.48	1/4	2,762.60	1/4	2,467.21	1/4	2,171.19
1/2		1/2		1/2		1/2	3,757.88	1/2	3,524.56	1/2	3,271.89	1/2	3,019.21	1/2	2,756.45	1/2	2,461.04	1/2	2,165.02
3/4		3/4		3/4		3/4	3,756.85	3/4	3,519.29	3/4	3,266.62	3/4	3,013.95	3/4	2,750.30	3/4	2,454.88	3/4	2,158.85
2	2	2		2		2	3,753.75	2	3,514.03	2	3,261.36	2	3,008.69	2	2,744.15	2	2,448.71	2	2,152.68
1/4		1/4		1/4		1/4	3,750.66	1/4	3,508.77	1/4	3,256.09	1/4	3,003.42	1/4	2,738.00	1/4	2,442.54	1/4	2,146.52
1/2		1/2		1/2		1/2	3,747.56	1/2	3,503.50	1/2	3,250.83	1/2	2,998.16	1/2	2,731.86	1/2	2,436.38	1/2	2,140.35
3/4		3/4		3/4		3/4	3,744.47	3/4	3,498.24	3/4	3,245.57	3/4	2,992.89	3/4	2,725.71	3/4	2,430.21	3/4	2,134.18
3	3	3		3		3	3,740.32	3	3,492.97	3	3,240.30	3	2,987.63	3	2,719.56	3	2,424.04	3	2,128.02
1/4		1/4		1/4		1/4	3,736.18	1/4	3,487.71	1/4	3,235.04	1/4	2,982.37	1/4	2,713.41	1/4	2,417.87	1/4	2,121.85
1/2		1/2		1/2		1/2	3,732.03	1/2	3,482.45	1/2	3,229.77	1/2	2,977.10	1/2	2,707.26	1/2	2,411.71	1/2	2,115.68
3/4		3/4		3/4		3/4	3,727.88	3/4	3,477.18	3/4	3,224.51	3/4	2,971.84	3/4	2,701.11	3/4	2,405.54	3/4	2,109.51
4	4	4		4		4	3,722.75	4	3,471.92	4	3,219.25	4	2,966.57	4	2,694.97	4	2,399.37	4	2,103.35
1/4		1/4		1/4		1/4	3,717.62	1/4	3,466.65	1/4	3,213.98	1/4	2,961.31	1/4	2,688.82	1/4	2,393.21	1/4	2,097.18
1/2		1/2		1/2		1/2	3,712.49	1/2	3,461.39	1/2	3,208.72	1/2	2,956.05	1/2	2,682.67	1/2	2,387.04	1/2	2,091.01
3/4		3/4		3/4		3/4	3,707.36	3/4	3,456.13	3/4	3,203.45	3/4	2,950.78	3/4	2,676.52	3/4	2,380.87	3/4	2,084.85
5	5	5		5		5	3,702.20	5	3,450.86	5	3,198.19	5	2,945.52	5	2,670.37	5	2,374.70	5	2,078.68
1/4		1/4		1/4		1/4	3,697.03	1/4	3,445.60	1/4	3,192.93	1/4	2,940.25	1/4	2,664.22	1/4	2,368.54	1/4	2,072.51
1/2		1/2		1/2		1/2	3,691.87	1/2	3,440.33	1/2	3,187.66	1/2	2,934.99	1/2	2,658.08	1/2	2,362.37	1/2	2,066.34
3/4		3/4		3/4		3/4	3,686.70	3/4	3,435.07	3/4	3,182.40	3/4	2,929.73	3/4	2,651.93	3/4	2,356.20	3/4	2,060.18
6	6	6		6		6	3,681.52	6	3,429.81	6	3,177.13	6	2,924.46	6	2,645.78	6	2,350.03	6	2,054.01
1/4		1/4		1/4		1/4	3,676.34	1/4	3,424.54	1/4	3,171.87	1/4	2,919.20	1/4	2,639.63	1/4	2,343.87	1/4	2,047.84
1/2		1/2		1/2		1/2	3,671.16	1/2	3,419.28	1/2	3,166.61	1/2	2,913.93	1/2	2,633.48	1/2	2,337.70	1/2	2,041.67
3/4		3/4		3/4		3/4	3,665.99	3/4	3,414.01	3/4	3,161.34	3/4	2,908.67	3/4	2,627.33	3/4	2,331.53	3/4	2,035.51
7	7	7		7		7	3,660.81	7	3,408.75	7	3,156.08	7	2,903.41	7	2,621.18	7	2,325.37	7	2,029.34
1/4		1/4		1/4		1/4	3,655.63	1/4	3,403.49	1/4	3,150.81	1/4	2,898.14	1/4	2,615.04	1/4	2,319.20	1/4	2,023.17
1/2		1/2		1/2		1/2	3,650.46	1/2	3,398.22	1/2	3,145.55	1/2	2,892.88	1/2	2,608.89	1/2	2,313.03	1/2	2,017.01
3/4		3/4		3/4		3/4	3,645.28	3/4	3,392.96	3/4	3,140.29	3/4	2,887.61	3/4	2,602.74	3/4	2,306.86	3/4	2,010.84
8	8	8		8		8	3,640.10	8	3,387.69	8	3,135.02	8	2,882.35	8	2,596.59	8	2,300.70	8	2,004.67
1/4		1/4		1/4		1/4	3,634.93	1/4	3,382.43	1/4	3,129.76	1/4	2,877.09	1/4	2,590.44	1/4	2,294.53	1/4	1,998.50
1/2		1/2		1/2		1/2	3,629.75	1/2	3,377.17	1/2	3,124.49	1/2	2,871.82	1/2	2,584.29	1/2	2,288.36	1/2	1,992.34
3/4		3/4		3/4		3/4	3,624.57	3/4	3,371.90	3/4	3,119.23	3/4	2,866.56	3/4	2,578.15	3/4	2,282.20	3/4	1,986.17
9	9	9		9		9	3,619.31	9	3,366.64	9	3,113.97	9	2,861.27	9	2,572.00	9	2,276.03	9	1,980.00
1/4		1/4		1/4		1/4	3,614.05	1/4	3,361.37	1/4	3,108.70	1/4	2,855.98	1/4	2,565.85	1/4	2,269.86	1/4	1,973.84
1/2		1/2		1/2		1/2	3,608.78	1/2	3,356.11	1/2	3,103.44	1/2	2,850.69	1/2	2,559.70	1/2	2,263.69	1/2	1,967.67
3/4		3/4		3/4		3/4	3,603.52	3/4	3,350.85	3/4	3,098.17	3/4	2,845.40	3/4	2,553.55	3/4	2,257.53	3/4	1,961.50
10	10	10		10		10	3,598.25	10	3,345.58	10	3,092.91	10	2,840.11	10	2,547.39	10	2,251.36	10	1,955.33
1/4		1/4		1/4		1/4	3,592.99	1/4	3,340.32	1/4	3,087.65	1/4	2,834.83	1/4	2,541.22	1/4	2,245.19	1/4	1,949.17
1/2		1/2		1/2		1/2	3,587.73	1/2	3,335.05	1/2	3,082.38	1/2	2,829.54	1/2	2,535.05	1/2	2,239.03	1/2	1,943.00
3/4		3/4		3/4		3/4	3,582.46	3/4	3,329.79	3/4	3,077.12	3/4	2,824.25	3/4	2,528.88	3/4	2,232.86	3/4	1,936.83
11	11	11		11		11	3,577.20	11	3,324.53	11	3,071.85	11	2,818.06	11	2,522.72	11	2,226.69	11	1,930.67
1/4		1/4		1/4		1/4	3,571.93	1/4	3,319.26	1/4	3,066.59	1/4	2,811.87	1/4	2,516.55	1/4	2,220.52	1/4	1,924.50
1/2		1/2		1/2		1/2	3,566.67	1/2	3,314.00	1/2	3,061.33	1/2	2,805.68	1/2	2,510.38	1/2	2,214.36	1/2	1,918.33
3/4		3/4		3/4		3/4	3,561.41	3/4	3,308.73	3/4	3,056.06	3/4	2,799.49	3/4	2,504.21	3/4	2,208.19	3/4	1,912.16

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 10136"

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	1,996.00	0	1,609.75	0	1,313.33	0	1,016.89	0	726.20	0	429.93	0	133.28	0		0		0	
1/4	1,899.83	1/4	1,603.58	1/4	1,307.15	1/4	1,010.72	1/4	720.12	1/4	423.75	1/4	127.11	1/4		1/4		1/4	
1/2	1,893.66	1/2	1,597.41	1/2	1,300.98	1/2	1,004.54	1/2	714.04	1/2	417.57	1/2	120.94	1/2		1/2		1/2	
3/4	1,887.49	3/4	1,591.23	3/4	1,294.80	3/4	998.37	3/4	707.96	3/4	411.39	3/4	114.76	3/4		3/4		3/4	
1	1,881.33	1	1,585.06	1	1,288.63	1	992.19	1	701.79	1	405.21	1	108.61	1		1		1	
1/4	1,875.16	1/4	1,578.88	1/4	1,282.45	1/4	986.02	1/4	695.63	1/4	399.03	1/4	102.46	1/4		1/4		1/4	
1/2	1,868.99	1/2	1,572.71	1/2	1,276.27	1/2	979.84	1/2	689.47	1/2	392.85	1/2	96.31	1/2		1/2		1/2	
3/4	1,862.83	3/4	1,566.53	3/4	1,270.10	3/4	973.66	3/4	683.31	3/4	386.67	3/4	90.15	3/4		3/4		3/4	
2	1,856.66	2	1,560.36	2	1,263.92	2	967.55	2	677.13	2	380.49	2	84.03	2		2		2	
1/4	1,850.49	1/4	1,554.18	1/4	1,257.75	1/4	961.44	1/4	670.95	1/4	374.31	1/4	77.91	1/4		1/4		1/4	
1/2	1,844.32	1/2	1,548.00	1/2	1,251.57	1/2	955.33	1/2	664.77	1/2	368.13	1/2	71.79	1/2		1/2		1/2	
3/4	1,838.16	3/4	1,541.83	3/4	1,245.40	3/4	949.21	3/4	658.59	3/4	361.95	3/4	65.67	3/4		3/4		3/4	
3	1,831.99	3	1,535.65	3	1,239.22	3	943.16	3	652.41	3	355.77	3	59.61	3		3		3	
1/4	1,825.82	1/4	1,529.48	1/4	1,233.04	1/4	937.11	1/4	646.23	1/4	349.59	1/4	53.54	1/4		1/4		1/4	
1/2	1,819.66	1/2	1,523.30	1/2	1,226.87	1/2	931.06	1/2	640.05	1/2	343.41	1/2	47.48	1/2		1/2		1/2	
3/4	1,813.49	3/4	1,517.13	3/4	1,220.69	3/4	925.01	3/4	633.87	3/4	337.23	3/4	41.42	3/4		3/4		3/4	
4	1,807.31	4	1,510.95	4	1,214.52	4	918.96	4	627.69	4	331.05	4	36.27	4		4		4	
1/4	1,801.14	1/4	1,504.77	1/4	1,208.34	1/4	912.91	1/4	621.51	1/4	324.87	1/4	31.12	1/4		1/4		1/4	
1/2	1,794.96	1/2	1,498.60	1/2	1,202.17	1/2	906.87	1/2	615.33	1/2	318.69	1/2	25.97	1/2		1/2		1/2	
3/4	1,788.79	3/4	1,492.42	3/4	1,195.99	3/4	900.82	3/4	609.15	3/4	312.51	3/4	20.81	3/4		3/4		3/4	
5	1,782.61	5	1,486.25	5	1,189.81	5	894.78	5	602.97	5	306.33	5	17.72	5		5		5	
1/4	1,776.44	1/4	1,480.07	1/4	1,183.64	1/4	888.75	1/4	596.79	1/4	300.15	1/4	14.62	1/4		1/4		1/4	
1/2	1,770.26	1/2	1,473.90	1/2	1,177.46	1/2	882.72	1/2	590.61	1/2	293.97	1/2	11.53	1/2		1/2		1/2	
3/4	1,764.08	3/4	1,467.72	3/4	1,171.29	3/4	876.68	3/4	584.43	3/4	287.79	3/4	8.43	3/4		3/4		3/4	
6	1,757.91	6	1,461.55	6	1,165.11	6	870.67	6	578.25	6	281.61	6	7.40	6		6		6	
1/4	1,751.73	1/4	1,455.37	1/4	1,158.94	1/4	864.65	1/4	572.07	1/4	275.43	1/4	6.37	1/4		1/4		1/4	
1/2	1,745.56	1/2	1,449.19	1/2	1,152.76	1/2	858.63	1/2	565.89	1/2	269.25	1/2	5.34	1/2		1/2		1/2	
3/4	1,739.38	3/4	1,443.02	3/4	1,146.58	3/4	852.62	3/4	559.71	3/4	263.07	3/4	4.31	3/4		3/4		3/4	
7	1,733.21	7	1,436.84	7	1,140.41	7	846.60	7	553.53	7	256.89	7		7		7		7	
1/4	1,727.03	1/4	1,430.67	1/4	1,134.23	1/4	840.58	1/4	547.35	1/4	250.71	1/4		1/4		1/4		1/4	
1/2	1,720.86	1/2	1,424.49	1/2	1,128.06	1/2	834.57	1/2	541.17	1/2	244.53	1/2		1/2		1/2		1/2	
3/4	1,714.69	3/4	1,418.32	3/4	1,121.88	3/4	828.55	3/4	534.99	3/4	238.35	3/4		3/4		3/4		3/4	
8	1,708.51	8	1,412.14	8	1,115.71	8	822.53	8	528.81	8	232.17	8		8		8		8	
1/4	1,702.34	1/4	1,405.96	1/4	1,109.53	1/4	816.51	1/4	522.63	1/4	225.99	1/4		1/4		1/4		1/4	
1/2	1,696.17	1/2	1,399.79	1/2	1,103.35	1/2	810.50	1/2	516.45	1/2	219.81	1/2		1/2		1/2		1/2	
3/4	1,690.00	3/4	1,393.61	3/4	1,097.18	3/4	804.48	3/4	510.27	3/4	213.63	3/4		3/4		3/4		3/4	
9	1,683.82	9	1,387.44	9	1,091.00	9	798.46	9	504.09	9	207.45	9		9		9		9	
1/4	1,677.65	1/4	1,381.26	1/4	1,084.83	1/4	792.45	1/4	497.91	1/4	201.27	1/4		1/4		1/4		1/4	
1/2	1,671.48	1/2	1,375.09	1/2	1,078.65	1/2	786.43	1/2	491.73	1/2	195.09	1/2		1/2		1/2		1/2	
3/4	1,665.31	3/4	1,368.91	3/4	1,072.48	3/4	780.41	3/4	485.55	3/4	188.91	3/4		3/4		3/4		3/4	
10	1,659.13	10	1,362.73	10	1,066.30	10	774.40	10	479.37	10	182.73	10		10		10		10	
1/4	1,652.96	1/4	1,356.56	1/4	1,060.12	1/4	768.38	1/4	473.19	1/4	176.55	1/4		1/4		1/4		1/4	
1/2	1,646.79	1/2	1,350.38	1/2	1,053.95	1/2	762.36	1/2	467.01	1/2	170.38	1/2		1/2		1/2		1/2	
3/4	1,640.62	3/4	1,344.21	3/4	1,047.77	3/4	756.35	3/4	460.83	3/4	164.20	3/4		3/4		3/4		3/4	
11	1,634.44	11	1,338.03	11	1,041.60	11	750.33	11	454.65	11	158.01	11		11		11		11	
1/4	1,628.27	1/4	1,331.86	1/4	1,035.42	1/4	744.31	1/4	448.47	1/4	151.83	1/4		1/4		1/4		1/4	
1/2	1,622.10	1/2	1,325.68	1/2	1,029.25	1/2	738.30	1/2	442.29	1/2	145.64	1/2		1/2		1/2		1/2	
3/4	1,615.93	3/4	1,319.50	3/4	1,023.07	3/4	732.28	3/4	436.11	3/4	139.46	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2015 CL
CALCULATED: 03/13/2015 CL
PRINTED: 03/13/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT
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