



BARGE "KIRBY 28184"

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 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8
2 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
2 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8

(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 PORT IS - 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

March 19, 2012

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28184"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	4,952.28	0	4,618.26	0	4,278.79	0	3,922.82	0	3,550.99	0	3,174.55	0	2,796.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,946.90	1/4	4,611.37	1/4	4,271.55	1/4	3,915.24	1/4	3,543.15	1/4	3,166.67	1/4	2,788.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,940.22	1/2	4,604.45	1/2	4,264.29	1/2	3,907.63	1/2	3,535.31	1/2	3,158.80	1/2	2,780.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,933.54	3/4	4,597.53	3/4	4,257.02	3/4	3,900.02	3/4	3,527.47	3/4	3,150.92	3/4	2,772.97
1	1	1	1	1	1	1	4,926.87	1	4,590.61	1	4,249.76	1	3,892.40	1	3,519.63	1	3,143.05	1	2,765.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,920.19	1/4	4,583.69	1/4	4,242.49	1/4	3,884.79	1/4	3,511.79	1/4	3,135.18	1/4	2,757.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,912.58	1/2	4,576.74	1/2	4,235.20	1/2	3,877.15	1/2	3,503.95	1/2	3,127.30	1/2	2,749.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,904.97	3/4	4,569.79	3/4	4,227.91	3/4	3,869.52	3/4	3,496.11	3/4	3,119.43	3/4	2,741.47
2	2	2	2	2	2	2	4,897.36	2	4,562.84	2	4,220.62	2	3,861.88	2	3,488.27	2	3,111.55	2	2,733.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,889.75	1/4	4,555.89	1/4	4,213.32	1/4	3,854.24	1/4	3,480.43	1/4	3,103.68	1/4	2,725.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,881.91	1/2	4,548.92	1/2	4,206.00	1/2	3,846.58	1/2	3,472.59	1/2	3,095.81	1/2	2,717.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,874.07	3/4	4,541.94	3/4	4,198.68	3/4	3,838.91	3/4	3,464.75	3/4	3,087.93	3/4	2,709.97
3	3	3	3	3	3	3	4,866.24	3	4,534.96	3	4,191.36	3	3,831.25	3	3,456.91	3	3,080.06	3	2,702.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,858.40	1/4	4,527.98	1/4	4,184.04	1/4	3,823.58	1/4	3,449.08	1/4	3,072.18	1/4	2,694.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,850.99	1/2	4,520.98	1/2	4,176.69	1/2	3,815.89	1/2	3,441.24	1/2	3,064.31	1/2	2,686.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,843.58	3/4	4,513.97	3/4	4,169.33	3/4	3,808.19	3/4	3,433.40	3/4	3,056.44	3/4	2,678.48
4	4	4	4	4	4	4	4,836.18	4	4,506.96	4	4,161.98	4	3,800.50	4	3,425.56	4	3,048.56	4	2,670.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,828.77	1/4	4,499.95	1/4	4,154.63	1/4	3,792.81	1/4	3,417.72	1/4	3,040.69	1/4	2,662.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,822.08	1/2	4,492.92	1/2	4,147.25	1/2	3,785.08	1/2	3,409.88	1/2	3,032.81	1/2	2,654.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,815.39	3/4	4,485.88	3/4	4,139.87	3/4	3,777.36	3/4	3,402.04	3/4	3,024.94	3/4	2,646.98
5	5	5	5	5	5	5	4,808.69	5	4,478.85	5	4,132.50	5	3,769.64	5	3,394.20	5	3,017.06	5	2,639.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,802.00	1/4	4,471.81	1/4	4,125.12	1/4	3,761.91	1/4	3,386.36	1/4	3,009.19	1/4	2,631.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,795.28	1/2	4,464.75	1/2	4,117.71	1/2	3,754.16	1/2	3,378.52	1/2	3,001.32	1/2	2,623.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,788.56	3/4	4,457.68	3/4	4,110.30	3/4	3,746.41	3/4	3,370.68	3/4	2,993.44	3/4	2,615.49
6	6	6	6	6	6	6	4,781.84	6	4,450.62	6	4,102.89	6	3,738.66	6	3,362.84	6	2,985.57	6	2,607.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,775.12	1/4	4,443.55	1/4	4,095.48	1/4	3,730.90	1/4	3,355.01	1/4	2,977.69	1/4	2,599.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,768.37	1/2	4,436.46	1/2	4,088.05	1/2	3,723.12	1/2	3,347.17	1/2	2,969.82	1/2	2,591.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,761.62	3/4	4,429.37	3/4	4,080.61	3/4	3,715.34	3/4	3,339.33	3/4	2,961.95	3/4	2,583.99
7	7	7	7	7	7	7	4,754.86	7	4,422.27	7	4,073.17	7	3,707.56	7	3,331.49	7	2,954.07	7	2,576.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,748.11	1/4	4,415.18	1/4	4,065.73	1/4	3,699.78	1/4	3,323.65	1/4	2,946.20	1/4	2,568.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,741.33	1/2	4,408.05	1/2	4,058.27	1/2	3,691.97	1/2	3,315.81	1/2	2,938.32	1/2	2,560.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,734.55	3/4	4,400.93	3/4	4,050.80	3/4	3,684.16	3/4	3,307.97	3/4	2,930.45	3/4	2,552.49
8	8	8	8	8	8	8	4,727.78	8	4,393.81	8	4,043.34	8	3,676.35	8	3,300.13	8	2,922.58	8	2,544.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,721.00	1/4	4,386.68	1/4	4,035.87	1/4	3,668.54	1/4	3,292.29	1/4	2,914.70	1/4	2,536.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,714.19	1/2	4,379.53	1/2	4,028.37	1/2	3,660.71	1/2	3,284.45	1/2	2,906.83	1/2	2,528.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,707.38	3/4	4,372.38	3/4	4,020.88	3/4	3,652.88	3/4	3,276.61	3/4	2,898.95	3/4	2,521.00
9	9	9	9	9	9	9	4,700.57	9	4,365.23	9	4,013.38	9	3,645.05	9	3,268.77	9	2,891.08	9	2,513.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,693.76	1/4	4,358.08	1/4	4,005.89	1/4	3,637.22	1/4	3,260.93	1/4	2,883.20	1/4	2,505.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,686.92	1/2	4,350.90	1/2	3,998.36	1/2	3,629.38	1/2	3,253.10	1/2	2,875.33	1/2	2,497.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,680.08	3/4	4,343.71	3/4	3,990.84	3/4	3,621.54	3/4	3,245.26	3/4	2,867.46	3/4	2,489.50
10	10	10	10	10	10	10	4,673.25	10	4,336.53	10	3,983.31	10	3,613.70	10	3,237.42	10	2,859.58	10	2,481.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,666.41	1/4	4,329.35	1/4	3,975.79	1/4	3,605.86	1/4	3,229.58	1/4	2,851.71	1/4	2,473.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,659.54	1/2	4,322.14	1/2	3,968.23	1/2	3,598.02	1/2	3,221.73	1/2	2,843.83	1/2	2,465.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,652.67	3/4	4,314.93	3/4	3,960.68	3/4	3,590.18	3/4	3,213.87	3/4	2,835.96	3/4	2,458.00
11	11	11	11	11	11	11	4,645.80	11	4,307.72	11	3,953.13	11	3,582.34	11	3,206.02	11	2,828.09	11	2,450.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,638.94	1/4	4,300.51	1/4	3,945.57	1/4	3,574.50	1/4	3,198.17	1/4	2,820.21	1/4	2,442.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,632.05	1/2	4,293.27	1/2	3,937.99	1/2	3,566.66	1/2	3,190.29	1/2	2,812.34	1/2	2,434.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,957.65	3/4	4,625.15	3/4	4,286.03	3/4	3,930.41	3/4	3,558.82	3/4	3,182.42	3/4	2,804.46

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 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28184"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,418.63	0	2,040.68	0	1,662.72	0	1,286.15	0	908.97	0	531.05	0	182.79	0		0			
1/4	2,410.76	1/4	2,032.80	1/4	1,654.85	1/4	1,278.33	1/4	901.10	1/4	523.19	1/4	176.16	1/4		1/4		1/4	
1/2	2,402.88	1/2	2,024.93	1/2	1,646.97	1/2	1,270.50	1/2	893.22	1/2	515.37	1/2	169.65	1/2		1/2		1/2	
3/4	2,395.01	3/4	2,017.05	3/4	1,639.10	3/4	1,262.68	3/4	885.35	3/4	507.56	3/4	163.13	3/4		3/4		3/4	
1	2,387.14	1	2,009.18	1	1,631.22	1	1,254.85	1	877.47	1	499.74	1	156.61	1		1		1	
1/4	2,379.26	1/4	2,001.31	1/4	1,623.35	1/4	1,247.03	1/4	869.60	1/4	491.93	1/4	150.09	1/4		1/4		1/4	
1/2	2,371.39	1/2	1,993.43	1/2	1,615.47	1/2	1,239.20	1/2	861.73	1/2	484.20	1/2	143.69	1/2		1/2		1/2	
3/4	2,363.51	3/4	1,985.56	3/4	1,607.60	3/4	1,231.38	3/4	853.85	3/4	476.48	3/4	137.29	3/4		3/4		3/4	
2	2,355.64	2	1,977.68	2	1,599.73	2	1,223.56	2	845.98	2	468.76	2	130.89	2		2		2	
1/4	2,347.77	1/4	1,969.81	1/4	1,591.85	1/4	1,215.73	1/4	838.11	1/4	461.03	1/4	124.48	1/4		1/4		1/4	
1/2	2,339.89	1/2	1,961.94	1/2	1,583.98	1/2	1,207.91	1/2	830.23	1/2	453.42	1/2	118.20	1/2		1/2		1/2	
3/4	2,332.02	3/4	1,954.06	3/4	1,576.10	3/4	1,200.08	3/4	822.36	3/4	445.81	3/4	111.92	3/4		3/4		3/4	
3	2,324.14	3	1,946.19	3	1,568.23	3	1,192.26	3	814.48	3	438.19	3	105.64	3		3		3	
1/4	2,316.27	1/4	1,938.31	1/4	1,560.36	1/4	1,184.43	1/4	806.61	1/4	430.58	1/4	99.36	1/4		1/4		1/4	
1/2	2,308.40	1/2	1,930.44	1/2	1,552.49	1/2	1,176.59	1/2	798.74	1/2	423.07	1/2	93.21	1/2		1/2		1/2	
3/4	2,300.52	3/4	1,922.56	3/4	1,544.63	3/4	1,168.75	3/4	790.86	3/4	415.57	3/4	87.06	3/4		3/4		3/4	
4	2,292.65	4	1,914.69	4	1,536.77	4	1,160.90	4	782.99	4	408.06	4	80.91	4		4		4	
1/4	2,284.77	1/4	1,906.82	1/4	1,528.90	1/4	1,153.06	1/4	775.11	1/4	400.56	1/4	74.75	1/4		1/4		1/4	
1/2	2,276.90	1/2	1,898.94	1/2	1,521.06	1/2	1,145.19	1/2	767.24	1/2	393.16	1/2	68.74	1/2		1/2		1/2	
3/4	2,269.03	3/4	1,891.07	3/4	1,513.21	3/4	1,137.31	3/4	759.37	3/4	385.77	3/4	62.73	3/4		3/4		3/4	
5	2,261.15	5	1,883.19	5	1,505.37	5	1,129.44	5	751.49	5	378.37	5	56.72	5		5		5	
1/4	2,253.28	1/4	1,875.32	1/4	1,497.53	1/4	1,121.57	1/4	743.62	1/4	370.98	1/4	50.71	1/4		1/4		1/4	
1/2	2,245.40	1/2	1,867.45	1/2	1,489.69	1/2	1,113.69	1/2	735.74	1/2	363.69	1/2	45.30	1/2		1/2		1/2	
3/4	2,237.53	3/4	1,859.57	3/4	1,481.85	3/4	1,105.82	3/4	727.87	3/4	356.41	3/4	39.88	3/4		3/4		3/4	
6	2,229.65	6	1,851.70	6	1,474.01	6	1,097.94	6	720.00	6	349.12	6	34.46	6		6		6	
1/4	2,221.78	1/4	1,843.82	1/4	1,466.17	1/4	1,090.07	1/4	712.12	1/4	341.83	1/4	29.04	1/4		1/4		1/4	
1/2	2,213.91	1/2	1,835.95	1/2	1,458.33	1/2	1,082.20	1/2	704.25	1/2	334.66	1/2	25.08	1/2		1/2		1/2	
3/4	2,206.03	3/4	1,828.08	3/4	1,450.50	3/4	1,074.32	3/4	696.38	3/4	327.48	3/4	21.12	3/4		3/4		3/4	
7	2,198.16	7	1,820.20	7	1,442.67	7	1,066.45	7	688.50	7	320.30	7	17.15	7		7		7	
1/4	2,190.28	1/4	1,812.33	1/4	1,434.84	1/4	1,058.57	1/4	680.63	1/4	313.13	1/4	13.19	1/4		1/4		1/4	
1/2	2,182.41	1/2	1,804.45	1/2	1,427.01	1/2	1,050.70	1/2	672.75	1/2	306.06	1/2		1/2		1/2		1/2	
3/4	2,174.54	3/4	1,796.58	3/4	1,419.18	3/4	1,042.83	3/4	664.88	3/4	298.99	3/4		3/4		3/4		3/4	
8	2,166.66	8	1,788.70	8	1,411.35	8	1,034.95	8	657.01	8	291.93	8		8		8		8	
1/4	2,158.79	1/4	1,780.83	1/4	1,403.52	1/4	1,027.08	1/4	649.13	1/4	284.86	1/4		1/4		1/4		1/4	
1/2	2,150.91	1/2	1,772.96	1/2	1,395.70	1/2	1,019.20	1/2	641.26	1/2	277.90	1/2		1/2		1/2		1/2	
3/4	2,143.04	3/4	1,765.08	3/4	1,387.87	3/4	1,011.33	3/4	633.38	3/4	270.94	3/4		3/4		3/4		3/4	
9	2,135.17	9	1,757.21	9	1,380.05	9	1,003.46	9	625.51	9	263.99	9		9		9		9	
1/4	2,127.29	1/4	1,749.33	1/4	1,372.22	1/4	995.58	1/4	617.64	1/4	257.03	1/4		1/4		1/4		1/4	
1/2	2,119.42	1/2	1,741.46	1/2	1,364.40	1/2	987.71	1/2	609.76	1/2	250.18	1/2		1/2		1/2		1/2	
3/4	2,111.54	3/4	1,733.59	3/4	1,356.58	3/4	979.84	3/4	601.89	3/4	243.33	3/4		3/4		3/4		3/4	
10	2,103.67	10	1,725.71	10	1,348.75	10	971.96	10	594.01	10	236.48	10		10		10		10	
1/4	2,095.79	1/4	1,717.84	1/4	1,340.93	1/4	964.09	1/4	586.14	1/4	229.64	1/4		1/4		1/4		1/4	
1/2	2,087.92	1/2	1,709.96	1/2	1,333.10	1/2	956.21	1/2	578.27	1/2	222.90	1/2		1/2		1/2		1/2	
3/4	2,080.05	3/4	1,702.09	3/4	1,325.28	3/4	948.34	3/4	570.39	3/4	216.16	3/4		3/4		3/4		3/4	
11	2,072.17	11	1,694.22	11	1,317.45	11	940.47	11	562.52	11	209.42	11		11		11		11	
1/4	2,064.30	1/4	1,686.34	1/4	1,309.63	1/4	932.59	1/4	554.64	1/4	202.68	1/4		1/4		1/4		1/4	
1/2	2,056.42	1/2	1,678.47	1/2	1,301.80	1/2	924.72	1/2	546.78	1/2	195.05	1/2		1/2		1/2		1/2	
3/4	2,048.55	3/4	1,670.59	3/4	1,293.98	3/4	916.84	3/4	538.92	3/4	189.42	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2012 CL - SW
CALCULATED: 03/19/2012 CL
PRINTED: 03/19/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28184"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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	4,640.71	0	4,302.29	0	3,947.35	0	3,576.28	0	3,199.95	0	2,821.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,633.82	1/4	4,295.05	1/4	3,939.77	1/4	3,568.44	1/4	3,192.07	1/4	2,814.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,959.43	1/2	4,287.81	1/2	3,932.18	1/2	3,560.60	1/2	3,184.20	1/2	2,806.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,954.05	3/4	4,280.57	3/4	3,924.60	3/4	3,552.76	3/4	3,176.32	3/4	2,798.37
1	1	1	1	1	1	1	1	1	4,948.67	1	4,613.15	1	4,273.33	1	3,917.02	1	3,544.92	1	2,790.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,942.00	1/4	4,606.23	1/4	4,266.06	1/4	3,909.41	1/4	3,537.08	1/4	2,782.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,935.32	1/2	4,599.31	1/2	4,258.80	1/2	3,901.79	1/2	3,529.24	1/2	2,774.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,928.64	3/4	4,592.39	3/4	4,251.53	3/4	3,894.18	3/4	3,521.41	3/4	2,766.87
2	2	2	2	2	2	2	2	2	4,921.97	2	4,585.47	2	4,244.27	2	3,886.57	2	3,513.57	2	2,759.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,914.36	1/4	4,578.52	1/4	4,236.98	1/4	3,878.93	1/4	3,505.73	1/4	2,751.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,906.75	1/2	4,571.57	1/2	4,229.68	1/2	3,871.29	1/2	3,497.89	1/2	2,743.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,899.14	3/4	4,564.62	3/4	4,222.39	3/4	3,863.66	3/4	3,490.05	3/4	2,735.37
3	3	3	3	3	3	3	3	3	4,891.53	3	4,557.67	3	4,215.10	3	3,856.02	3	3,482.21	3	2,727.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,883.69	1/4	4,550.69	1/4	4,207.78	1/4	3,848.36	1/4	3,474.37	1/4	2,719.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,875.85	1/2	4,543.72	1/2	4,200.46	1/2	3,840.69	1/2	3,466.53	1/2	2,711.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,868.01	3/4	4,536.74	3/4	4,193.13	3/4	3,833.03	3/4	3,458.69	3/4	2,703.88
4	4	4	4	4	4	4	4	4	4,860.17	4	4,529.76	4	4,185.81	4	3,825.36	4	3,450.85	4	2,696.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,852.77	1/4	4,522.75	1/4	4,178.46	1/4	3,817.67	1/4	3,443.01	1/4	2,688.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,845.36	1/2	4,515.75	1/2	4,171.11	1/2	3,809.97	1/2	3,435.17	1/2	2,680.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,837.96	3/4	4,508.74	3/4	4,163.76	3/4	3,802.28	3/4	3,427.33	3/4	2,672.38
5	5	5	5	5	5	5	5	5	4,830.55	5	4,501.73	5	4,156.41	5	3,794.58	5	3,419.50	5	2,664.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,823.86	1/4	4,494.70	1/4	4,149.03	1/4	3,786.86	1/4	3,411.66	1/4	2,656.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,817.16	1/2	4,487.66	1/2	4,141.65	1/2	3,779.14	1/2	3,403.82	1/2	2,648.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,810.47	3/4	4,480.63	3/4	4,134.27	3/4	3,771.41	3/4	3,395.98	3/4	2,640.88
6	6	6	6	6	6	6	6	6	4,803.78	6	4,473.59	6	4,126.89	6	3,763.69	6	3,388.14	6	2,633.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,797.06	1/4	4,466.52	1/4	4,119.48	1/4	3,755.94	1/4	3,380.30	1/4	2,625.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,790.34	1/2	4,459.46	1/2	4,112.08	1/2	3,748.19	1/2	3,372.46	1/2	2,617.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,783.62	3/4	4,452.39	3/4	4,104.67	3/4	3,740.43	3/4	3,364.62	3/4	2,609.39
7	7	7	7	7	7	7	7	7	4,776.89	7	4,445.33	7	4,097.26	7	3,732.68	7	3,356.78	7	2,601.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,770.14	1/4	4,438.24	1/4	4,089.82	1/4	3,724.90	1/4	3,348.94	1/4	2,593.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,763.39	1/2	4,431.14	1/2	4,082.38	1/2	3,717.12	1/2	3,341.10	1/2	2,585.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,756.64	3/4	4,424.05	3/4	4,074.95	3/4	3,709.34	3/4	3,333.26	3/4	2,577.89
8	8	8	8	8	8	8	8	8	4,749.89	8	4,416.96	8	4,067.51	8	3,701.56	8	3,325.43	8	2,570.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,743.11	1/4	4,409.83	1/4	4,060.04	1/4	3,693.75	1/4	3,317.59	1/4	2,562.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,736.33	1/2	4,402.71	1/2	4,052.58	1/2	3,685.94	1/2	3,309.75	1/2	2,554.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,729.55	3/4	4,395.58	3/4	4,045.11	3/4	3,678.13	3/4	3,301.91	3/4	2,546.39
9	9	9	9	9	9	9	9	9	4,722.77	9	4,388.46	9	4,037.65	9	3,670.32	9	3,294.07	9	2,538.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,715.96	1/4	4,381.31	1/4	4,030.15	1/4	3,662.49	1/4	3,286.23	1/4	2,530.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,709.15	1/2	4,374.16	1/2	4,022.65	1/2	3,654.66	1/2	3,278.39	1/2	2,522.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,702.34	3/4	4,367.01	3/4	4,015.16	3/4	3,646.82	3/4	3,270.55	3/4	2,514.90
10	10	10	10	10	10	10	10	10	4,695.54	10	4,359.85	10	4,007.66	10	3,638.99	10	3,262.71	10	2,507.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,688.70	1/4	4,352.67	1/4	4,000.14	1/4	3,631.15	1/4	3,254.87	1/4	2,499.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,681.86	1/2	4,345.49	1/2	3,992.61	1/2	3,623.31	1/2	3,247.03	1/2	2,491.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,675.02	3/4	4,338.31	3/4	3,985.09	3/4	3,615.48	3/4	3,239.19	3/4	2,483.40
11	11	11	11	11	11	11	11	11	4,668.19	11	4,331.13	11	3,977.57	11	3,607.64	11	3,231.35	11	2,475.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,661.32	1/4	4,323.92	1/4	3,970.01	1/4	3,599.80	1/4	3,223.50	1/4	2,467.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,654.45	1/2	4,316.71	1/2	3,962.46	1/2	3,591.96	1/2	3,215.65	1/2	2,459.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,647.58	3/4	4,309.50	3/4	3,954.90	3/4	3,584.12	3/4	3,207.80	3/4	2,451.91

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 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28184"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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	2,444.03	0	2,066.07	0	1,688.12	0	1,310.16	0	932.47	0	554.64	0	202.68	0		0			
1/4	2,436.16	1/4	2,058.20	1/4	1,680.24	1/4	1,302.29	1/4	924.60	1/4	546.78	1/4	196.05	1/4		1/4		1/4	
1/2	2,428.28	1/2	2,050.33	1/2	1,672.37	1/2	1,294.41	1/2	916.74	1/2	538.92	1/2	189.42	1/2		1/2		1/2	
3/4	2,420.41	3/4	2,042.45	3/4	1,664.50	3/4	1,286.54	3/4	908.88	3/4	531.05	3/4	182.79	3/4		3/4		3/4	
1	2,412.54	1	2,034.58	1	1,656.62	1	1,278.66	1	901.02	1	523.19	1	176.16	1		1		1	
1/4	2,404.66	1/4	2,026.70	1/4	1,648.75	1/4	1,270.79	1/4	893.16	1/4	515.37	1/4	169.65	1/4		1/4		1/4	
1/2	2,396.79	1/2	2,018.83	1/2	1,640.87	1/2	1,262.92	1/2	885.29	1/2	507.56	1/2	163.13	1/2		1/2		1/2	
3/4	2,388.91	3/4	2,010.96	3/4	1,633.00	3/4	1,255.04	3/4	877.43	3/4	499.74	3/4	156.61	3/4		3/4		3/4	
2	2,381.04	2	2,003.08	2	1,625.13	2	1,247.17	2	869.57	2	491.93	2	150.09	2		2		2	
1/4	2,373.16	1/4	1,995.21	1/4	1,617.25	1/4	1,239.29	1/4	861.70	1/4	484.20	1/4	143.69	1/4		1/4		1/4	
1/2	2,365.29	1/2	1,987.33	1/2	1,609.38	1/2	1,231.42	1/2	853.84	1/2	476.48	1/2	137.29	1/2		1/2		1/2	
3/4	2,357.42	3/4	1,979.46	3/4	1,601.50	3/4	1,223.55	3/4	845.97	3/4	468.76	3/4	130.89	3/4		3/4		3/4	
3	2,349.54	3	1,971.59	3	1,593.63	3	1,215.67	3	838.11	3	461.03	3	124.48	3		3		3	
1/4	2,341.67	1/4	1,963.71	1/4	1,585.75	1/4	1,207.80	1/4	830.23	1/4	453.42	1/4	118.20	1/4		1/4		1/4	
1/2	2,333.79	1/2	1,955.84	1/2	1,577.88	1/2	1,199.92	1/2	822.36	1/2	445.81	1/2	111.92	1/2		1/2		1/2	
3/4	2,325.92	3/4	1,947.96	3/4	1,570.01	3/4	1,192.05	3/4	814.48	3/4	438.19	3/4	105.64	3/4		3/4		3/4	
4	2,318.05	4	1,940.09	4	1,562.13	4	1,184.18	4	806.61	4	430.58	4	99.36	4		4		4	
1/4	2,310.17	1/4	1,932.22	1/4	1,554.26	1/4	1,176.30	1/4	798.74	1/4	423.07	1/4	93.21	1/4		1/4		1/4	
1/2	2,302.30	1/2	1,924.34	1/2	1,546.38	1/2	1,168.43	1/2	790.86	1/2	415.57	1/2	87.06	1/2		1/2		1/2	
3/4	2,294.42	3/4	1,916.47	3/4	1,538.51	3/4	1,160.55	3/4	782.99	3/4	408.06	3/4	80.91	3/4		3/4		3/4	
5	2,286.55	5	1,908.59	5	1,530.64	5	1,152.68	5	775.11	5	400.56	5	74.75	5		5		5	
1/4	2,278.68	1/4	1,900.72	1/4	1,522.76	1/4	1,144.81	1/4	767.24	1/4	393.16	1/4	68.74	1/4		1/4		1/4	
1/2	2,270.80	1/2	1,892.84	1/2	1,514.89	1/2	1,136.93	1/2	759.37	1/2	385.77	1/2	62.73	1/2		1/2		1/2	
3/4	2,262.93	3/4	1,884.97	3/4	1,507.01	3/4	1,129.06	3/4	751.49	3/4	378.37	3/4	56.72	3/4		3/4		3/4	
6	2,255.05	6	1,877.10	6	1,499.14	6	1,121.18	6	743.62	6	370.98	6	50.71	6		6		6	
1/4	2,247.18	1/4	1,869.22	1/4	1,491.27	1/4	1,113.31	1/4	735.74	1/4	363.69	1/4	45.30	1/4		1/4		1/4	
1/2	2,239.31	1/2	1,861.35	1/2	1,483.39	1/2	1,105.44	1/2	727.87	1/2	356.41	1/2	39.88	1/2		1/2		1/2	
3/4	2,231.43	3/4	1,853.47	3/4	1,475.52	3/4	1,097.58	3/4	720.00	3/4	349.12	3/4	34.46	3/4		3/4		3/4	
7	2,223.56	7	1,845.60	7	1,467.64	7	1,089.71	7	712.12	7	341.83	7	29.04	7		7		7	
1/4	2,215.68	1/4	1,837.73	1/4	1,459.77	1/4	1,081.84	1/4	704.25	1/4	334.66	1/4	25.08	1/4		1/4		1/4	
1/2	2,207.81	1/2	1,829.85	1/2	1,451.90	1/2	1,073.98	1/2	696.38	1/2	327.48	1/2	21.12	1/2		1/2		1/2	
3/4	2,199.93	3/4	1,821.98	3/4	1,444.02	3/4	1,066.12	3/4	688.50	3/4	320.30	3/4	17.15	3/4		3/4		3/4	
8	2,192.06	8	1,814.10	8	1,436.15	8	1,058.26	8	680.63	8	313.13	8	13.19	8		8		8	
1/4	2,184.19	1/4	1,806.23	1/4	1,428.27	1/4	1,050.40	1/4	672.75	1/4	306.06	1/4		1/4		1/4		1/4	
1/2	2,176.31	1/2	1,798.36	1/2	1,420.40	1/2	1,042.53	1/2	664.88	1/2	298.99	1/2		1/2		1/2		1/2	
3/4	2,168.44	3/4	1,790.48	3/4	1,412.52	3/4	1,034.67	3/4	657.01	3/4	291.93	3/4		3/4		3/4		3/4	
9	2,160.56	9	1,782.61	9	1,404.65	9	1,026.81	9	649.13	9	284.86	9		9		9		9	
1/4	2,152.69	1/4	1,774.73	1/4	1,396.78	1/4	1,018.95	1/4	641.26	1/4	277.90	1/4		1/4		1/4		1/4	
1/2	2,144.82	1/2	1,766.86	1/2	1,388.90	1/2	1,011.09	1/2	633.38	1/2	270.94	1/2		1/2		1/2		1/2	
3/4	2,136.94	3/4	1,758.98	3/4	1,381.03	3/4	1,003.22	3/4	625.51	3/4	263.99	3/4		3/4		3/4		3/4	
10	2,129.07	10	1,751.11	10	1,373.15	10	995.36	10	617.64	10	257.03	10		10		10		10	
1/4	2,121.19	1/4	1,743.24	1/4	1,365.28	1/4	987.50	1/4	609.76	1/4	250.18	1/4		1/4		1/4		1/4	
1/2	2,113.32	1/2	1,735.36	1/2	1,357.41	1/2	979.64	1/2	601.89	1/2	243.33	1/2		1/2		1/2		1/2	
3/4	2,105.45	3/4	1,727.49	3/4	1,349.53	3/4	971.78	3/4	594.01	3/4	236.48	3/4		3/4		3/4		3/4	
11	2,097.57	11	1,719.61	11	1,341.66	11	963.91	11	586.14	11	229.64	11		11		11		11	
1/4	2,089.70	1/4	1,711.74	1/4	1,333.78	1/4	956.05	1/4	578.27	1/4	222.90	1/4		1/4		1/4		1/4	
1/2	2,081.82	1/2	1,703.87	1/2	1,325.91	1/2	948.19	1/2	570.39	1/2	216.16	1/2		1/2		1/2		1/2	
3/4	2,073.95	3/4	1,695.99	3/4	1,318.04	3/4	940.33	3/4	562.52	3/4	209.42	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2012 CL - SW
CALCULATED: 03/19/2012 CL
PRINTED: 03/19/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28184"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	4,764.47	0	4,445.73	0	4,121.71	0	3,782.56	0	3,428.84	0	3,070.87	0	2,711.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,759.35	1/4	4,439.15	1/4	4,114.81	1/4	3,775.34	1/4	3,421.38	1/4	3,063.39	1/4	2,704.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,753.01	1/2	4,432.54	1/2	4,107.88	1/2	3,768.09	1/2	3,413.93	1/2	3,055.90	1/2	2,696.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,746.66	3/4	4,425.93	3/4	4,100.95	3/4	3,760.84	3/4	3,406.47	3/4	3,048.42	3/4	2,689.07
1	1	1	1	1	1	1	4,740.31	1	4,419.32	1	4,094.03	1	3,753.60	1	3,399.02	1	3,040.93	1	2,681.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,733.97	1/4	4,412.71	1/4	4,087.10	1/4	3,746.35	1/4	3,391.56	1/4	3,033.44	1/4	2,674.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,726.73	1/2	4,406.07	1/2	4,080.15	1/2	3,739.08	1/2	3,384.11	1/2	3,025.96	1/2	2,666.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,719.50	3/4	4,399.43	3/4	4,073.20	3/4	3,731.81	3/4	3,376.66	3/4	3,018.47	3/4	2,659.13
2	2	2	2	2	2	2	4,712.26	2	4,392.80	2	4,066.24	2	3,724.55	2	3,369.20	2	3,010.98	2	2,651.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,705.03	1/4	4,386.16	1/4	4,059.29	1/4	3,717.28	1/4	3,361.75	1/4	3,003.50	1/4	2,644.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,697.58	1/2	4,379.49	1/2	4,052.31	1/2	3,709.98	1/2	3,354.29	1/2	2,996.01	1/2	2,636.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,690.12	3/4	4,372.83	3/4	4,045.33	3/4	3,702.69	3/4	3,346.84	3/4	2,988.52	3/4	2,629.18
3	3	3	3	3	3	3	4,682.67	3	4,366.17	3	4,038.35	3	3,695.39	3	3,339.39	3	2,981.04	3	2,621.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,675.21	1/4	4,359.50	1/4	4,031.37	1/4	3,688.10	1/4	3,331.93	1/4	2,973.55	1/4	2,614.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,668.16	1/2	4,352.81	1/2	4,024.37	1/2	3,680.78	1/2	3,324.48	1/2	2,966.07	1/2	2,606.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,661.10	3/4	4,346.12	3/4	4,017.36	3/4	3,673.46	3/4	3,317.02	3/4	2,958.58	3/4	2,599.24
4	4	4	4	4	4	4	4,654.04	4	4,339.43	4	4,010.36	4	3,666.14	4	3,309.57	4	2,951.09	4	2,591.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,646.99	1/4	4,332.74	1/4	4,003.35	1/4	3,658.82	1/4	3,302.11	1/4	2,943.61	1/4	2,584.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,640.59	1/2	4,326.02	1/2	3,996.32	1/2	3,651.47	1/2	3,294.66	1/2	2,936.12	1/2	2,576.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,634.18	3/4	4,319.31	3/4	3,989.29	3/4	3,644.12	3/4	3,287.21	3/4	2,928.63	3/4	2,569.29
5	5	5	5	5	5	5	4,627.78	5	4,312.59	5	3,982.25	5	3,636.77	5	3,279.75	5	2,921.15	5	2,561.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,621.38	1/4	4,305.87	1/4	3,975.22	1/4	3,629.43	1/4	3,272.30	1/4	2,913.66	1/4	2,554.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,614.95	1/2	4,299.13	1/2	3,968.16	1/2	3,622.05	1/2	3,264.84	1/2	2,906.18	1/2	2,546.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,608.52	3/4	4,292.39	3/4	3,961.10	3/4	3,614.68	3/4	3,257.39	3/4	2,898.69	3/4	2,539.35
6	6	6	6	6	6	6	4,602.09	6	4,285.64	6	3,954.05	6	3,607.30	6	3,249.93	6	2,891.20	6	2,531.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,595.67	1/4	4,278.90	1/4	3,946.99	1/4	3,599.93	1/4	3,242.48	1/4	2,883.72	1/4	2,524.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,589.21	1/2	4,272.13	1/2	3,939.90	1/2	3,592.53	1/2	3,235.03	1/2	2,876.23	1/2	2,516.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,582.75	3/4	4,265.36	3/4	3,932.82	3/4	3,585.13	3/4	3,227.57	3/4	2,868.74	3/4	2,509.40
7	7	7	7	7	7	7	4,576.30	7	4,258.59	7	3,925.73	7	3,577.73	7	3,220.12	7	2,861.26	7	2,501.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,569.84	1/4	4,251.82	1/4	3,918.64	1/4	3,570.33	1/4	3,212.66	1/4	2,853.77	1/4	2,494.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,563.36	1/2	4,245.02	1/2	3,911.53	1/2	3,562.90	1/2	3,205.21	1/2	2,846.29	1/2	2,486.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,556.88	3/4	4,238.22	3/4	3,904.42	3/4	3,555.47	3/4	3,197.76	3/4	2,838.80	3/4	2,479.46
8	8	8	8	8	8	8	4,550.40	8	4,231.43	8	3,897.31	8	3,548.04	8	3,190.30	8	2,831.31	8	2,471.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,543.92	1/4	4,224.63	1/4	3,890.20	1/4	3,540.62	1/4	3,182.85	1/4	2,823.83	1/4	2,464.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,537.41	1/2	4,217.81	1/2	3,883.06	1/2	3,533.17	1/2	3,175.39	1/2	2,816.34	1/2	2,457.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,530.90	3/4	4,210.98	3/4	3,875.92	3/4	3,525.72	3/4	3,167.94	3/4	2,808.85	3/4	2,449.51
9	9	9	9	9	9	9	4,524.39	9	4,204.16	9	3,868.78	9	3,518.28	9	3,160.48	9	2,801.37	9	2,442.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,517.88	1/4	4,197.34	1/4	3,861.64	1/4	3,510.83	1/4	3,153.03	1/4	2,793.88	1/4	2,434.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,511.34	1/2	4,190.48	1/2	3,854.48	1/2	3,503.38	1/2	3,145.58	1/2	2,786.39	1/2	2,427.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,504.81	3/4	4,183.63	3/4	3,847.31	3/4	3,495.92	3/4	3,138.12	3/4	2,778.91	3/4	2,419.57
10	10	10	10	10	10	10	4,498.27	10	4,176.78	10	3,840.15	10	3,488.47	10	3,130.67	10	2,771.42	10	2,412.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,491.74	1/4	4,169.93	1/4	3,832.98	1/4	3,481.02	1/4	3,123.21	1/4	2,763.94	1/4	2,404.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,485.18	1/2	4,163.06	1/2	3,825.79	1/2	3,473.56	1/2	3,115.74	1/2	2,756.45	1/2	2,397.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,478.61	3/4	4,156.18	3/4	3,818.60	3/4	3,466.11	3/4	3,108.27	3/4	2,748.96	3/4	2,389.62
11	11	11	11	11	11	11	4,472.05	11	4,149.30	11	3,811.40	11	3,458.65	11	3,100.80	11	2,741.48	11	2,382.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,465.49	1/4	4,142.43	1/4	3,804.21	1/4	3,451.20	1/4	3,093.33	1/4	2,733.99	1/4	2,374.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,458.90	1/2	4,135.52	1/2	3,796.99	1/2	3,443.74	1/2	3,085.85	1/2	2,726.50	1/2	2,367.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,769.58	3/4	4,452.32	3/4	4,128.62	3/4	3,789.77	3/4	3,436.29	3/4	3,078.36	3/4	2,359.68

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 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28184"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,352.19	0	1,992.85	0	1,633.50	0	1,283.36	0	938.28	0	580.00	0	220.67	0		0		0	
1/4	2,344.70	1/4	1,985.36	1/4	1,626.02	1/4	1,276.16	1/4	931.09	1/4	572.51	1/4	213.18	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,337.22	1/2	1,977.87	1/2	1,618.53	1/2	1,268.96	1/2	923.79	1/2	565.03	1/2	205.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,329.73	3/4	1,970.39	3/4	1,611.05	3/4	1,261.75	3/4	916.50	3/4	557.54	3/4	198.21	3/4	3/4	3/4	3/4	3/4	3/4
1	2,322.24	1	1,962.90	1	1,603.56	1	1,254.55	1	909.20	1	550.05	1	190.73	1	1	1	1	1	1
1/4	2,314.76	1/4	1,955.42	1/4	1,596.07	1/4	1,247.35	1/4	901.90	1/4	542.57	1/4	183.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,307.27	1/2	1,947.93	1/2	1,588.59	1/2	1,240.14	1/2	894.41	1/2	535.08	1/2	175.77	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,299.79	3/4	1,940.44	3/4	1,581.10	3/4	1,232.94	3/4	886.93	3/4	527.59	3/4	168.29	3/4	3/4	3/4	3/4	3/4	3/4
2	2,292.30	2	1,932.96	2	1,573.61	2	1,225.74	2	879.44	2	520.11	2	160.81	2	2	2	2	2	2
1/4	2,284.81	1/4	1,925.47	1/4	1,566.13	1/4	1,218.53	1/4	871.96	1/4	512.62	1/4	153.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,277.33	1/2	1,917.98	1/2	1,558.64	1/2	1,211.33	1/2	864.47	1/2	505.14	1/2	145.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,269.84	3/4	1,910.50	3/4	1,551.16	3/4	1,204.14	3/4	856.98	3/4	497.65	3/4	138.40	3/4	3/4	3/4	3/4	3/4	3/4
3	2,262.35	3	1,903.01	3	1,543.67	3	1,196.94	3	849.50	3	490.16	3	130.93	3	3	3	3	3	3
1/4	2,254.87	1/4	1,895.53	1/4	1,536.18	1/4	1,189.74	1/4	842.01	1/4	482.68	1/4	123.47	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,247.38	1/2	1,888.04	1/2	1,528.80	1/2	1,182.55	1/2	834.52	1/2	475.19	1/2	116.02	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,239.89	3/4	1,880.55	3/4	1,521.42	3/4	1,175.36	3/4	827.04	3/4	467.71	3/4	108.57	3/4	3/4	3/4	3/4	3/4	3/4
4	2,232.41	4	1,873.07	4	1,514.04	4	1,168.17	4	819.55	4	460.22	4	101.12	4	4	4	4	4	4
1/4	2,224.92	1/4	1,865.58	1/4	1,506.66	1/4	1,160.98	1/4	812.07	1/4	452.73	1/4	93.67	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,217.44	1/2	1,858.09	1/2	1,499.46	1/2	1,153.79	1/2	804.58	1/2	445.25	1/2	86.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,209.95	3/4	1,850.61	3/4	1,492.25	3/4	1,146.60	3/4	797.09	3/4	437.76	3/4	78.84	3/4	3/4	3/4	3/4	3/4	3/4
5	2,202.46	5	1,843.12	5	1,485.05	5	1,139.41	5	789.61	5	430.28	5	71.42	5	5	5	5	5	5
1/4	2,194.98	1/4	1,835.63	1/4	1,477.85	1/4	1,132.22	1/4	782.12	1/4	422.79	1/4	64.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,187.49	1/2	1,828.15	1/2	1,470.64	1/2	1,125.04	1/2	774.64	1/2	415.30	1/2	57.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,180.00	3/4	1,820.66	3/4	1,463.44	3/4	1,117.86	3/4	767.15	3/4	407.82	3/4	50.09	3/4	3/4	3/4	3/4	3/4	3/4
6	2,172.52	6	1,813.18	6	1,456.24	6	1,110.67	6	759.66	6	400.33	6	43.13	6	6	6	6	6	6
1/4	2,165.03	1/4	1,805.69	1/4	1,449.04	1/4	1,103.49	1/4	752.18	1/4	392.85	1/4	36.17	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,157.55	1/2	1,798.20	1/2	1,441.83	1/2	1,096.31	1/2	744.69	1/2	385.36	1/2	30.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,150.06	3/4	1,790.72	3/4	1,434.63	3/4	1,089.12	3/4	737.21	3/4	377.87	3/4	25.57	3/4	3/4	3/4	3/4	3/4	3/4
7	2,142.57	7	1,783.23	7	1,427.43	7	1,081.94	7	729.72	7	370.39	7	20.27	7	7	7	7	7	7
1/4	2,135.09	1/4	1,775.74	1/4	1,420.22	1/4	1,074.76	1/4	722.23	1/4	362.90	1/4	14.97	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,127.60	1/2	1,768.26	1/2	1,413.02	1/2	1,067.57	1/2	714.75	1/2	355.41	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,120.11	3/4	1,760.77	3/4	1,405.82	3/4	1,060.39	3/4	707.26	3/4	347.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,112.63	8	1,753.29	8	1,398.61	8	1,053.21	8	699.78	8	340.44	8		8	8	8	8	8	8
1/4	2,105.14	1/4	1,745.80	1/4	1,391.41	1/4	1,046.03	1/4	692.29	1/4	332.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,097.66	1/2	1,738.31	1/2	1,384.21	1/2	1,038.84	1/2	684.80	1/2	325.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,090.17	3/4	1,730.83	3/4	1,377.00	3/4	1,031.66	3/4	677.32	3/4	317.98	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,082.68	9	1,723.34	9	1,369.80	9	1,024.48	9	669.83	9	310.50	9		9	9	9	9	9	9
1/4	2,075.20	1/4	1,715.85	1/4	1,362.60	1/4	1,017.29	1/4	662.34	1/4	303.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,067.71	1/2	1,708.37	1/2	1,355.39	1/2	1,010.11	1/2	654.86	1/2	295.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,060.22	3/4	1,700.88	3/4	1,348.19	3/4	1,002.93	3/4	647.37	3/4	288.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,052.74	10	1,693.39	10	1,340.99	10	995.74	10	639.89	10	280.55	10		10	10	10	10	10	10
1/4	2,045.25	1/4	1,685.91	1/4	1,333.78	1/4	988.56	1/4	632.40	1/4	273.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,037.76	1/2	1,678.42	1/2	1,326.58	1/2	981.38	1/2	624.91	1/2	265.58	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,030.28	3/4	1,670.94	3/4	1,319.38	3/4	974.19	3/4	617.43	3/4	258.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,022.79	11	1,663.45	11	1,312.17	11	967.01	11	609.94	11	250.61	11		11	11	11	11	11	11
1/4	2,015.31	1/4	1,655.96	1/4	1,304.97	1/4	959.83	1/4	602.46	1/4	243.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,007.82	1/2	1,648.48	1/2	1,297.77	1/2	952.64	1/2	594.97	1/2	235.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,000.33	3/4	1,640.99	3/4	1,290.56	3/4	945.46	3/4	587.48	3/4	228.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2012 CL - SW
CALCULATED: 03/19/2012 CL
PRINTED: 03/19/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28184"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	4,793.72	0	4,483.04	0	4,159.66	0	3,821.13	0	3,467.88	0	3,110.00	0	2,750.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,793.72	1/4	4,476.45	1/4	4,152.75	1/4	3,813.91	1/4	3,460.42	1/4	3,102.52	1/4	2,743.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,788.60	1/2	4,469.87	1/2	4,145.85	1/2	3,806.69	1/2	3,452.97	1/2	3,095.03	1/2	2,735.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,783.49	3/4	4,463.28	3/4	4,138.94	3/4	3,799.47	3/4	3,445.52	3/4	3,087.54	3/4	2,728.20
1	1	1	1	1	1	1	4,777.14	1	4,456.67	1	4,132.01	1	3,792.22	1	3,438.06	1	3,080.06	1	2,720.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,770.79	1/4	4,450.06	1/4	4,125.09	1/4	3,784.98	1/4	3,430.61	1/4	3,072.57	1/4	2,713.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,764.45	1/2	4,443.45	1/2	4,118.16	1/2	3,777.73	1/2	3,423.15	1/2	3,065.08	1/2	2,705.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,758.10	3/4	4,436.84	3/4	4,111.23	3/4	3,770.49	3/4	3,415.70	3/4	3,057.60	3/4	2,698.25
2	2	2	2	2	2	2	4,750.87	2	4,430.20	2	4,104.28	2	3,763.22	2	3,408.24	2	3,050.11	2	2,690.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,743.63	1/4	4,423.57	1/4	4,097.33	1/4	3,755.95	1/4	3,400.79	1/4	3,042.63	1/4	2,683.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,736.40	1/2	4,416.93	1/2	4,090.38	1/2	3,748.68	1/2	3,393.34	1/2	3,035.14	1/2	2,675.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,729.16	3/4	4,410.29	3/4	4,083.43	3/4	3,741.41	3/4	3,385.88	3/4	3,027.65	3/4	2,668.31
3	3	3	3	3	3	3	4,721.71	3	4,403.63	3	4,076.45	3	3,734.12	3	3,378.43	3	3,020.17	3	2,660.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,714.26	1/4	4,396.96	1/4	4,069.47	1/4	3,726.82	1/4	3,370.97	1/4	3,012.68	1/4	2,653.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,706.80	1/2	4,390.30	1/2	4,062.49	1/2	3,719.53	1/2	3,363.52	1/2	3,005.19	1/2	2,645.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,699.35	3/4	4,383.64	3/4	4,055.51	3/4	3,712.24	3/4	3,356.07	3/4	2,997.71	3/4	2,638.36
4	4	4	4	4	4	4	4,692.29	4	4,376.95	4	4,048.50	4	3,704.91	4	3,348.61	4	2,990.22	4	2,630.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,685.23	1/4	4,370.26	1/4	4,041.50	1/4	3,697.59	1/4	3,341.16	1/4	2,982.73	1/4	2,623.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,678.18	1/2	4,363.57	1/2	4,034.49	1/2	3,690.27	1/2	3,333.70	1/2	2,975.25	1/2	2,615.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,671.12	3/4	4,356.87	3/4	4,027.49	3/4	3,682.95	3/4	3,326.25	3/4	2,967.76	3/4	2,608.41
5	5	5	5	5	5	5	4,664.72	5	4,350.16	5	4,020.45	5	3,675.60	5	3,318.79	5	2,960.28	5	2,600.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,658.32	1/4	4,343.44	1/4	4,013.42	1/4	3,668.25	1/4	3,311.34	1/4	2,952.79	1/4	2,593.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,651.92	1/2	4,336.73	1/2	4,006.39	1/2	3,660.91	1/2	3,303.89	1/2	2,945.30	1/2	2,585.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,645.51	3/4	4,330.01	3/4	3,999.36	3/4	3,653.56	3/4	3,296.43	3/4	2,937.82	3/4	2,578.47
6	6	6	6	6	6	6	4,639.09	6	4,323.26	6	3,992.30	6	3,646.19	6	3,288.98	6	2,930.33	6	2,570.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,632.66	1/4	4,316.52	1/4	3,985.24	1/4	3,638.81	1/4	3,281.52	1/4	2,922.84	1/4	2,563.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,626.23	1/2	4,309.78	1/2	3,978.18	1/2	3,631.44	1/2	3,274.07	1/2	2,915.36	1/2	2,556.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,619.80	3/4	4,303.03	3/4	3,971.12	3/4	3,624.06	3/4	3,266.62	3/4	2,907.87	3/4	2,548.52
7	7	7	7	7	7	7	4,613.34	7	4,296.26	7	3,964.04	7	3,616.66	7	3,259.16	7	2,900.38	7	2,541.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,606.89	1/4	4,289.49	1/4	3,956.95	1/4	3,609.26	1/4	3,251.71	1/4	2,892.90	1/4	2,533.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,600.43	1/2	4,282.72	1/2	3,949.87	1/2	3,601.86	1/2	3,244.25	1/2	2,885.41	1/2	2,526.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,593.98	3/4	4,275.95	3/4	3,942.78	3/4	3,594.46	3/4	3,236.80	3/4	2,877.92	3/4	2,518.58
8	8	8	8	8	8	8	4,587.50	8	4,269.16	8	3,935.67	8	3,587.03	8	3,229.34	8	2,870.44	8	2,511.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,581.01	1/4	4,262.36	1/4	3,928.56	1/4	3,579.61	1/4	3,221.89	1/4	2,862.95	1/4	2,503.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,574.53	1/2	4,255.56	1/2	3,921.44	1/2	3,572.18	1/2	3,214.44	1/2	2,855.47	1/2	2,496.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,568.05	3/4	4,248.76	3/4	3,914.33	3/4	3,564.75	3/4	3,206.98	3/4	2,847.98	3/4	2,488.63
9	9	9	9	9	9	9	4,561.54	9	4,241.94	9	3,907.19	9	3,557.30	9	3,199.53	9	2,840.49	9	2,481.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,555.03	1/4	4,235.12	1/4	3,900.05	1/4	3,549.86	1/4	3,192.07	1/4	2,833.01	1/4	2,473.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,548.52	1/2	4,228.29	1/2	3,892.92	1/2	3,542.41	1/2	3,184.62	1/2	2,825.52	1/2	2,466.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,542.01	3/4	4,221.47	3/4	3,885.78	3/4	3,534.97	3/4	3,177.16	3/4	2,818.03	3/4	2,458.69
10	10	10	10	10	10	10	4,535.48	10	4,214.62	10	3,878.61	10	3,527.51	10	3,169.71	10	2,810.55	10	2,451.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,528.94	1/4	4,207.77	1/4	3,871.45	1/4	3,520.06	1/4	3,162.26	1/4	2,803.06	1/4	2,443.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,522.41	1/2	4,200.92	1/2	3,864.28	1/2	3,512.60	1/2	3,154.80	1/2	2,795.57	1/2	2,436.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,515.87	3/4	4,194.07	3/4	3,857.12	3/4	3,505.15	3/4	3,147.35	3/4	2,788.09	3/4	2,428.74
11	11	11	11	11	11	11	4,509.31	11	4,187.19	11	3,849.92	11	3,497.70	11	3,139.88	11	2,780.60	11	2,421.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,502.75	1/4	4,180.31	1/4	3,842.73	1/4	3,490.24	1/4	3,132.42	1/4	2,773.12	1/4	2,413.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,496.19	1/2	4,173.44	1/2	3,835.54	1/2	3,482.79	1/2	3,124.95	1/2	2,765.63	1/2	2,406.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,489.62	3/4	4,166.56	3/4	3,828.34	3/4	3,475.33	3/4	3,117.49	3/4	2,758.14	3/4	2,398.80

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 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28184"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,391.31	0	2,031.96	0	1,672.61	0	1,313.27	0	954.19	0	594.97	0	235.64	0	0	0	0	0	0
1/4	2,383.82	1/4	2,024.48	1/4	1,665.13	1/4	1,305.78	1/4	946.72	1/4	587.48	1/4	228.15	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,376.34	1/2	2,016.99	1/2	1,657.64	1/2	1,298.29	1/2	939.25	1/2	580.00	1/2	220.67	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,368.85	3/4	2,009.50	3/4	1,650.16	3/4	1,290.81	3/4	931.77	3/4	572.51	3/4	213.18	3/4	3/4	3/4	3/4	3/4	3/4
1	2,361.36	1	2,002.02	1	1,642.67	1	1,283.32	1	924.30	1	565.03	1	205.70	1	1	1	1	1	1
1/4	2,353.88	1/4	1,994.53	1/4	1,635.18	1/4	1,275.84	1/4	916.82	1/4	557.54	1/4	198.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,346.39	1/2	1,987.04	1/2	1,627.70	1/2	1,268.35	1/2	909.35	1/2	550.05	1/2	190.73	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,338.90	3/4	1,979.56	3/4	1,620.21	3/4	1,260.86	3/4	901.87	3/4	542.57	3/4	183.24	3/4	3/4	3/4	3/4	3/4	3/4
2	2,331.42	2	1,972.07	2	1,612.72	2	1,253.38	2	894.39	2	535.08	2	175.77	2	2	2	2	2	2
1/4	2,323.93	1/4	1,964.58	1/4	1,605.24	1/4	1,245.89	1/4	886.92	1/4	527.59	1/4	168.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,316.44	1/2	1,957.10	1/2	1,597.75	1/2	1,238.40	1/2	879.44	1/2	520.11	1/2	160.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,308.96	3/4	1,949.61	3/4	1,590.26	3/4	1,230.92	3/4	871.96	3/4	512.62	3/4	153.33	3/4	3/4	3/4	3/4	3/4	3/4
3	2,301.47	3	1,942.12	3	1,582.78	3	1,223.43	3	864.47	3	505.14	3	145.87	3	3	3	3	3	3
1/4	2,293.99	1/4	1,934.64	1/4	1,575.29	1/4	1,215.94	1/4	856.98	1/4	497.65	1/4	138.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,286.50	1/2	1,927.15	1/2	1,567.80	1/2	1,208.46	1/2	849.50	1/2	490.16	1/2	130.93	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,279.01	3/4	1,919.67	3/4	1,560.32	3/4	1,200.97	3/4	842.01	3/4	482.68	3/4	123.47	3/4	3/4	3/4	3/4	3/4	3/4
4	2,271.53	4	1,912.18	4	1,552.83	4	1,193.48	4	834.53	4	475.19	4	116.02	4	4	4	4	4	4
1/4	2,264.04	1/4	1,904.69	1/4	1,545.35	1/4	1,186.00	1/4	827.04	1/4	467.71	1/4	108.57	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,256.55	1/2	1,897.21	1/2	1,537.86	1/2	1,178.51	1/2	819.55	1/2	460.22	1/2	101.12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,249.07	3/4	1,889.72	3/4	1,530.37	3/4	1,171.03	3/4	812.07	3/4	452.73	3/4	93.67	3/4	3/4	3/4	3/4	3/4	3/4
5	2,241.58	5	1,882.23	5	1,522.89	5	1,163.54	5	804.58	5	445.25	5	86.26	5	5	5	5	5	5
1/4	2,234.09	1/4	1,874.75	1/4	1,515.40	1/4	1,156.05	1/4	797.09	1/4	437.76	1/4	78.84	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,226.61	1/2	1,867.26	1/2	1,507.91	1/2	1,148.57	1/2	789.61	1/2	430.28	1/2	71.42	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,219.12	3/4	1,859.77	3/4	1,500.43	3/4	1,141.08	3/4	782.12	3/4	422.79	3/4	64.00	3/4	3/4	3/4	3/4	3/4	3/4
6	2,211.64	6	1,852.29	6	1,492.94	6	1,133.60	6	774.64	6	415.30	6	57.05	6	6	6	6	6	6
1/4	2,204.15	1/4	1,844.80	1/4	1,485.45	1/4	1,126.12	1/4	767.15	1/4	407.82	1/4	50.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,196.66	1/2	1,837.32	1/2	1,477.97	1/2	1,118.63	1/2	759.66	1/2	400.33	1/2	43.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,189.18	3/4	1,829.83	3/4	1,470.48	3/4	1,111.15	3/4	752.18	3/4	392.85	3/4	36.17	3/4	3/4	3/4	3/4	3/4	3/4
7	2,181.69	7	1,822.34	7	1,463.00	7	1,103.68	7	744.69	7	385.36	7	30.87	7	7	7	7	7	7
1/4	2,174.20	1/4	1,814.86	1/4	1,455.51	1/4	1,096.20	1/4	737.21	1/4	377.87	1/4	25.57	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,166.72	1/2	1,807.37	1/2	1,448.02	1/2	1,088.73	1/2	729.72	1/2	370.39	1/2	20.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,159.23	3/4	1,799.88	3/4	1,440.54	3/4	1,081.26	3/4	722.23	3/4	362.90	3/4	14.97	3/4	3/4	3/4	3/4	3/4	3/4
8	2,151.74	8	1,792.40	8	1,433.05	8	1,073.78	8	714.75	8	355.41	8	8	8	8	8	8	8	8
1/4	2,144.26	1/4	1,784.91	1/4	1,425.56	1/4	1,066.31	1/4	707.26	1/4	347.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,136.77	1/2	1,777.42	1/2	1,418.08	1/2	1,058.83	1/2	699.78	1/2	340.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,129.28	3/4	1,769.94	3/4	1,410.59	3/4	1,051.36	3/4	692.29	3/4	332.96	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
9	2,121.80	9	1,762.45	9	1,403.10	9	1,043.88	9	684.80	9	325.47	9	9	9	9	9	9	9	9
1/4	2,114.31	1/4	1,754.96	1/4	1,395.62	1/4	1,036.41	1/4	677.32	1/4	317.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,106.83	1/2	1,747.48	1/2	1,388.13	1/2	1,028.94	1/2	669.83	1/2	310.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,099.34	3/4	1,739.99	3/4	1,380.64	3/4	1,021.46	3/4	662.34	3/4	303.01	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
10	2,091.85	10	1,732.51	10	1,373.16	10	1,013.99	10	654.86	10	295.53	10	10	10	10	10	10	10	10
1/4	2,084.37	1/4	1,725.02	1/4	1,365.67	1/4	1,006.51	1/4	647.37	1/4	288.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,076.88	1/2	1,717.53	1/2	1,358.19	1/2	999.04	1/2	639.89	1/2	280.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,069.39	3/4	1,710.05	3/4	1,350.70	3/4	991.57	3/4	632.40	3/4	273.07	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
11	2,061.91	11	1,702.56	11	1,343.21	11	984.09	11	624.91	11	265.58	11	11	11	11	11	11	11	11
1/4	2,054.42	1/4	1,695.07	1/4	1,335.73	1/4	976.62	1/4	617.43	1/4	258.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,046.93	1/2	1,687.59	1/2	1,328.24	1/2	969.14	1/2	609.94	1/2	250.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,039.45	3/4	1,680.10	3/4	1,320.75	3/4	961.67	3/4	602.46	3/4	243.12	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2012 CL - SW
CALCULATED: 03/19/2012 CL
PRINTED: 03/19/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28184"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	4,355.11	0	4,113.73	0	3,866.95	0	3,608.17	0	3,337.74	0	2,983.47	0	2,626.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,350.48	1/4	4,108.72	1/4	3,861.68	1/4	3,602.66	1/4	3,332.04	1/4	2,976.04	1/4	2,619.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,346.32	1/2	4,103.69	1/2	3,856.40	1/2	3,597.13	1/2	3,324.60	1/2	2,968.61	1/2	2,611.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,342.17	3/4	4,098.66	3/4	3,851.12	3/4	3,591.59	3/4	3,317.17	3/4	2,961.18	3/4	2,604.56		
1	1	1	1	1	1	1	4,338.02	1	4,093.63	1	3,845.84	1	3,586.06	1	3,309.74	1	2,953.75	1	2,597.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,333.86	1/4	4,088.60	1/4	3,840.56	1/4	3,580.52	1/4	3,302.31	1/4	2,946.32	1/4	2,589.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,328.50	1/2	4,083.55	1/2	3,835.26	1/2	3,574.97	1/2	3,294.87	1/2	2,938.89	1/2	2,582.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,323.14	3/4	4,078.50	3/4	3,829.96	3/4	3,569.42	3/4	3,287.44	3/4	2,931.46	3/4	2,574.84		
2	2	2	2	2	2	2	4,317.78	2	4,073.45	2	3,824.65	2	3,563.86	2	3,280.01	2	2,924.03	2	2,567.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,312.43	1/4	4,068.39	1/4	3,819.35	1/4	3,558.31	1/4	3,272.58	1/4	2,916.60	1/4	2,559.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,306.72	1/2	4,063.32	1/2	3,814.03	1/2	3,552.74	1/2	3,265.14	1/2	2,909.17	1/2	2,552.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,301.01	3/4	4,058.25	3/4	3,808.71	3/4	3,547.17	3/4	3,257.71	3/4	2,901.74	3/4	2,545.12		
3	3	3	3	3	3	3	4,295.30	3	4,053.18	3	3,803.38	3	3,541.60	3	3,250.28	3	2,894.31	3	2,537.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,289.60	1/4	4,048.11	1/4	3,798.06	1/4	3,536.03	1/4	3,242.85	1/4	2,886.88	1/4	2,530.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,283.89	1/2	4,043.01	1/2	3,792.72	1/2	3,530.43	1/2	3,235.41	1/2	2,879.45	1/2	2,522.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,278.18	3/4	4,037.92	3/4	3,787.37	3/4	3,524.84	3/4	3,227.98	3/4	2,872.02	3/4	2,515.40		
4	4	4	4	4	4	4	4,272.48	4	4,032.82	4	3,782.03	4	3,519.24	4	3,220.55	4	2,864.60	4	2,507.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,266.77	1/4	4,027.73	1/4	3,776.69	1/4	3,513.65	1/4	3,213.11	1/4	2,857.17	1/4	2,500.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,261.90	1/2	4,022.62	1/2	3,771.32	1/2	3,508.03	1/2	3,205.71	1/2	2,849.74	1/2	2,493.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,257.04	3/4	4,017.50	3/4	3,765.96	3/4	3,502.42	3/4	3,198.30	3/4	2,842.31	3/4	2,485.69		
5	5	5	5	5	5	5	4,252.17	5	4,012.39	5	3,760.59	5	3,496.81	5	3,190.90	5	2,834.88	5	2,478.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,247.30	1/4	4,007.27	1/4	3,755.22	1/4	3,491.19	1/4	3,183.49	1/4	2,827.45	1/4	2,470.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,242.42	1/2	4,002.14	1/2	3,749.84	1/2	3,485.56	1/2	3,176.09	1/2	2,820.02	1/2	2,463.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,237.53	3/4	3,997.00	3/4	3,744.46	3/4	3,479.92	3/4	3,168.68	3/4	2,812.59	3/4	2,455.97		
6	6	6	6	6	6	6	4,232.65	6	3,991.86	6	3,739.07	6	3,474.28	6	3,161.28	6	2,805.16	6	2,448.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,227.77	1/4	3,986.73	1/4	3,733.69	1/4	3,468.65	1/4	3,153.87	1/4	2,797.73	1/4	2,441.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,222.86	1/2	3,981.57	1/2	3,728.28	1/2	3,462.99	1/2	3,146.46	1/2	2,790.30	1/2	2,433.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,217.95	3/4	3,976.42	3/4	3,722.87	3/4	3,457.34	3/4	3,139.06	3/4	2,782.87	3/4	2,426.25		
7	7	7	7	7	7	7	4,213.04	7	3,971.26	7	3,717.46	7	3,451.68	7	3,131.65	7	2,775.44	7	2,418.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,208.13	1/4	3,966.10	1/4	3,712.06	1/4	3,446.03	1/4	3,124.25	1/4	2,768.01	1/4	2,411.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,203.20	1/2	3,960.92	1/2	3,706.63	1/2	3,440.35	1/2	3,116.84	1/2	2,760.58	1/2	2,403.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,198.28	3/4	3,955.74	3/4	3,701.20	3/4	3,434.67	3/4	3,109.44	3/4	2,753.15	3/4	2,396.53		
8	8	8	8	8	8	8	4,193.35	8	3,950.56	8	3,695.78	8	3,428.99	8	3,102.03	8	2,745.72	8	2,389.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,188.42	1/4	3,945.39	1/4	3,690.35	1/4	3,423.31	1/4	3,094.62	1/4	2,738.29	1/4	2,381.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,183.47	1/2	3,940.19	1/2	3,684.90	1/2	3,417.61	1/2	3,087.22	1/2	2,730.86	1/2	2,374.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,178.52	3/4	3,934.99	3/4	3,679.45	3/4	3,411.92	3/4	3,079.81	3/4	2,723.43	3/4	2,366.81		
9	9	9	9	9	9	9	4,173.57	9	3,929.79	9	3,674.00	9	3,406.22	9	3,072.41	9	2,716.00	9	2,359.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,168.62	1/4	3,924.59	1/4	3,668.55	1/4	3,400.52	1/4	3,065.00	1/4	2,708.57	1/4	2,351.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,163.65	1/2	3,919.37	1/2	3,663.08	1/2	3,394.81	1/2	3,057.60	1/2	2,701.14	1/2	2,344.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,158.68	3/4	3,914.15	3/4	3,657.61	3/4	3,389.11	3/4	3,050.19	3/4	2,693.71	3/4	2,337.09		
10	10	10	10	10	10	10	4,153.71	10	3,908.93	10	3,652.15	10	3,383.40	10	3,042.79	10	2,686.28	10	2,329.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,148.74	1/4	3,903.70	1/4	3,646.68	1/4	3,377.69	1/4	3,035.38	1/4	2,678.86	1/4	2,322.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,143.75	1/2	3,898.46	1/2	3,641.18	1/2	3,371.99	1/2	3,027.97	1/2	2,671.43	1/2	2,314.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,138.75	3/4	3,893.22	3/4	3,635.69	3/4	3,366.28	3/4	3,020.57	3/4	2,664.00	3/4	2,307.37		
11	11	11	11	11	11	11	4,133.76	11	3,887.98	11	3,630.20	11	3,360.57	11	3,013.16	11	2,656.57	11	2,299.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,369.02	1/4	4,128.77	1/4	3,882.75	1/4	3,624.71	1/4	3,354.87	1/4	2,649.14	1/4	2,292.51		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,364.39	1/2	4,123.75	1/2	3,877.48	1/2	3,619.19	1/2	3,349.16	1/2	2,998.33	1/2	2,641.71	1/2	2,285.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,359.75	3/4	4,118.74	3/4	3,872.21	3/4	3,613.68	3/4	3,343.45	3/4	2,990.90	3/4	2,634.28	3/4	2,277.65

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 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28184"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,270.22	0	1,913.13	0	1,557.05	0	1,200.56	0	855.89	0	498.69	0	141.31	0	0	0	0	0	0
1/4	2,262.79	1/4	1,905.69	1/4	1,549.63	1/4	1,193.38	1/4	848.46	1/4	491.25	1/4	133.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,255.36	1/2	1,898.27	1/2	1,542.19	1/2	1,186.21	1/2	841.04	1/2	483.80	1/2	126.42	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,247.93	3/4	1,890.85	3/4	1,534.74	3/4	1,179.03	3/4	833.61	3/4	476.36	3/4	118.97	3/4	3/4	3/4	3/4	3/4	3/4
1	2,240.50	1	1,883.44	1	1,527.30	1	1,171.85	1	826.19	1	468.91	1	111.53	1	1	1	1	1	1
1/4	2,233.07	1/4	1,876.02	1/4	1,519.85	1/4	1,164.68	1/4	818.77	1/4	461.47	1/4	104.08	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,225.64	1/2	1,868.60	1/2	1,512.41	1/2	1,157.50	1/2	811.34	1/2	454.02	1/2	96.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,218.21	3/4	1,861.18	3/4	1,504.97	3/4	1,150.33	3/4	803.92	3/4	446.58	3/4	89.82	3/4	3/4	3/4	3/4	3/4	3/4
2	2,210.78	2	1,853.76	2	1,497.52	2	1,143.15	2	796.49	2	439.13	2	82.69	2	2	2	2	2	2
1/4	2,203.35	1/4	1,846.35	1/4	1,490.08	1/4	1,135.97	1/4	789.07	1/4	431.68	1/4	75.56	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,195.92	1/2	1,838.93	1/2	1,482.63	1/2	1,128.80	1/2	781.62	1/2	424.24	1/2	69.38	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,188.49	3/4	1,831.51	3/4	1,475.19	3/4	1,121.62	3/4	774.18	3/4	416.79	3/4	63.19	3/4	3/4	3/4	3/4	3/4	3/4
3	2,181.06	3	1,824.09	3	1,467.74	3	1,114.45	3	766.73	3	409.35	3	57.00	3	3	3	3	3	3
1/4	2,173.63	1/4	1,816.68	1/4	1,460.30	1/4	1,107.27	1/4	759.29	1/4	401.90	1/4	50.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,166.20	1/2	1,809.26	1/2	1,452.86	1/2	1,100.09	1/2	751.84	1/2	394.46	1/2	45.88	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,158.77	3/4	1,801.84	3/4	1,445.41	3/4	1,092.92	3/4	744.40	3/4	387.01	3/4	40.94	3/4	3/4	3/4	3/4	3/4	3/4
4	2,151.34	4	1,794.42	4	1,437.97	4	1,085.74	4	736.95	4	379.57	4	36.01	4	4	4	4	4	4
1/4	2,143.91	1/4	1,787.00	1/4	1,430.52	1/4	1,078.57	1/4	729.50	1/4	372.12	1/4	31.08	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,136.46	1/2	1,779.59	1/2	1,423.08	1/2	1,071.40	1/2	722.06	1/2	364.67	1/2	27.41	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,129.02	3/4	1,772.17	3/4	1,415.64	3/4	1,064.24	3/4	714.61	3/4	357.23	3/4	23.74	3/4	3/4	3/4	3/4	3/4	3/4
5	2,121.57	5	1,764.75	5	1,408.19	5	1,057.08	5	707.17	5	349.78	5	20.08	5	5	5	5	5	5
1/4	2,114.13	1/4	1,757.33	1/4	1,400.75	1/4	1,049.92	1/4	699.72	1/4	342.34	1/4	16.41	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,106.69	1/2	1,749.91	1/2	1,393.30	1/2	1,042.76	1/2	692.28	1/2	334.89	1/2	12.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,099.24	3/4	1,742.50	3/4	1,385.86	3/4	1,035.59	3/4	684.83	3/4	327.45	3/4	8.07	3/4	3/4	3/4	3/4	3/4	3/4
6	2,091.80	6	1,735.08	6	1,378.41	6	1,028.43	6	677.39	6	320.00	6	4.40	6	6	6	6	6	6
1/4	2,084.35	1/4	1,727.66	1/4	1,370.97	1/4	1,021.27	1/4	669.94	1/4	312.56	1/4	0.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,076.91	1/2	1,720.24	1/2	1,363.53	1/2	1,014.11	1/2	662.49	1/2	305.11	1/2	0.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,069.46	3/4	1,712.82	3/4	1,356.08	3/4	1,006.95	3/4	655.05	3/4	297.67	3/4	0.42	3/4	3/4	3/4	3/4	3/4	3/4
7	2,062.02	7	1,705.41	7	1,348.64	7	999.79	7	647.60	7	290.22	7	0.76	7	7	7	7	7	7
1/4	2,054.58	1/4	1,697.99	1/4	1,341.19	1/4	992.64	1/4	640.16	1/4	282.77	1/4	1.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,047.13	1/2	1,690.57	1/2	1,333.75	1/2	985.48	1/2	632.71	1/2	275.33	1/2	1.44	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,039.69	3/4	1,683.15	3/4	1,326.31	3/4	978.33	3/4	625.27	3/4	267.88	3/4	1.78	3/4	3/4	3/4	3/4	3/4	3/4
8	2,032.24	8	1,675.74	8	1,318.86	8	971.17	8	617.82	8	260.44	8	2.12	8	8	8	8	8	8
1/4	2,024.80	1/4	1,668.32	1/4	1,311.42	1/4	964.02	1/4	610.38	1/4	252.99	1/4	2.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,017.35	1/2	1,660.90	1/2	1,303.97	1/2	956.86	1/2	602.93	1/2	245.55	1/2	2.80	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,009.91	3/4	1,653.48	3/4	1,296.53	3/4	949.71	3/4	595.49	3/4	238.10	3/4	3.14	3/4	3/4	3/4	3/4	3/4	3/4
9	2,002.47	9	1,646.06	9	1,289.08	9	942.55	9	588.04	9	230.66	9	3.48	9	9	9	9	9	9
1/4	1,995.02	1/4	1,638.65	1/4	1,281.64	1/4	935.40	1/4	580.59	1/4	223.21	1/4	3.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,987.58	1/2	1,631.23	1/2	1,274.20	1/2	928.24	1/2	573.15	1/2	215.76	1/2	4.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,980.13	3/4	1,623.81	3/4	1,266.75	3/4	921.09	3/4	565.70	3/4	208.32	3/4	4.50	3/4	3/4	3/4	3/4	3/4	3/4
10	1,972.69	10	1,616.39	10	1,259.31	10	913.93	10	558.26	10	200.87	10	4.84	10	10	10	10	10	10
1/4	1,965.24	1/4	1,608.97	1/4	1,251.86	1/4	906.78	1/4	550.81	1/4	193.43	1/4	5.18	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,957.80	1/2	1,601.56	1/2	1,244.42	1/2	899.62	1/2	543.37	1/2	185.98	1/2	5.52	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,950.36	3/4	1,594.14	3/4	1,236.97	3/4	892.47	3/4	535.92	3/4	178.54	3/4	5.86	3/4	3/4	3/4	3/4	3/4	3/4
11	1,942.91	11	1,586.72	11	1,229.53	11	885.31	11	528.48	11	171.09	11	6.20	11	11	11	11	11	11
1/4	1,935.47	1/4	1,579.30	1/4	1,222.09	1/4	878.16	1/4	521.03	1/4	163.65	1/4	6.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,928.02	1/2	1,571.88	1/2	1,214.61	1/2	870.74	1/2	513.58	1/2	156.20	1/2	6.88	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,920.58	3/4	1,564.47	3/4	1,207.17	3/4	863.31	3/4	506.14	3/4	148.76	3/4	7.22	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2012 CL - SW
CALCULATED: 03/19/2012 CL
PRINTED: 03/19/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28184"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	4,383.04	0	4,140.50	0	3,892.55	0	3,632.60	0	3,360.97	0	3,004.75	0	2,646.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,378.38	1/4	4,135.46	1/4	3,887.26	1/4	3,627.07	1/4	3,355.24	1/4	2,997.29	1/4	2,639.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,374.20	1/2	4,130.41	1/2	3,881.96	1/2	3,621.51	1/2	3,347.78	1/2	2,989.83	1/2	2,631.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,370.02	3/4	4,125.35	3/4	3,876.65	3/4	3,615.95	3/4	3,340.33	3/4	2,982.38	3/4	2,624.43
1	1	1	1	1	1	1	4,365.84	1	4,120.30	1	3,871.34	1	3,610.39	1	3,332.87	1	2,974.92	1	2,616.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,361.66	1/4	4,115.25	1/4	3,866.04	1/4	3,604.83	1/4	3,325.41	1/4	2,967.46	1/4	2,609.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,356.28	1/2	4,110.17	1/2	3,860.71	1/2	3,599.25	1/2	3,317.95	1/2	2,960.00	1/2	2,602.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,350.90	3/4	4,105.09	3/4	3,855.39	3/4	3,593.67	3/4	3,310.50	3/4	2,952.55	3/4	2,594.60
2	2	2	2	2	2	2	4,345.51	2	4,100.02	2	3,850.06	2	3,588.10	2	3,303.04	2	2,945.09	2	2,587.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,340.13	1/4	4,094.94	1/4	3,844.74	1/4	3,582.52	1/4	3,295.58	1/4	2,937.63	1/4	2,579.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,334.40	1/2	4,089.84	1/2	3,839.39	1/2	3,576.92	1/2	3,288.12	1/2	2,930.17	1/2	2,572.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,328.67	3/4	4,084.75	3/4	3,834.04	3/4	3,571.33	3/4	3,280.67	3/4	2,922.72	3/4	2,564.77
3	3	3	3	3	3	3	4,322.94	3	4,079.65	3	3,828.70	3	3,565.73	3	3,273.21	3	2,915.26	3	2,557.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,317.21	1/4	4,074.56	1/4	3,823.35	1/4	3,560.14	1/4	3,265.75	1/4	2,907.80	1/4	2,549.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,311.47	1/2	4,069.44	1/2	3,817.98	1/2	3,554.52	1/2	3,258.30	1/2	2,900.35	1/2	2,542.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,305.74	3/4	4,064.32	3/4	3,812.61	3/4	3,548.90	3/4	3,250.84	3/4	2,892.89	3/4	2,534.94
4	4	4	4	4	4	4	4,300.01	4	4,059.20	4	3,807.25	4	3,543.28	4	3,243.38	4	2,885.43	4	2,527.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,294.28	1/4	4,054.08	1/4	3,801.88	1/4	3,537.66	1/4	3,235.92	1/4	2,877.97	1/4	2,520.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,289.39	1/2	4,048.94	1/2	3,796.49	1/2	3,532.02	1/2	3,228.47	1/2	2,870.52	1/2	2,512.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,284.50	3/4	4,043.81	3/4	3,791.10	3/4	3,526.38	3/4	3,221.01	3/4	2,863.06	3/4	2,505.11
5	5	5	5	5	5	5	4,279.61	5	4,038.67	5	3,785.71	5	3,520.75	5	3,213.55	5	2,855.60	5	2,497.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,274.72	1/4	4,033.53	1/4	3,780.32	1/4	3,515.11	1/4	3,206.09	1/4	2,848.14	1/4	2,490.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,269.81	1/2	4,028.37	1/2	3,774.91	1/2	3,509.45	1/2	3,198.64	1/2	2,840.69	1/2	2,482.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,264.90	3/4	4,023.21	3/4	3,769.50	3/4	3,503.78	3/4	3,191.18	3/4	2,833.23	3/4	2,475.28
6	6	6	6	6	6	6	4,259.99	6	4,018.05	6	3,764.09	6	3,498.12	6	3,183.72	6	2,825.77	6	2,467.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,255.08	1/4	4,012.89	1/4	3,758.68	1/4	3,492.46	1/4	3,176.27	1/4	2,818.32	1/4	2,460.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,250.15	1/2	4,007.71	1/2	3,753.25	1/2	3,486.78	1/2	3,168.81	1/2	2,810.86	1/2	2,452.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,245.22	3/4	4,002.53	3/4	3,747.82	3/4	3,481.10	3/4	3,161.35	3/4	2,803.40	3/4	2,445.45
7	7	7	7	7	7	7	4,240.29	7	3,997.35	7	3,742.39	7	3,475.42	7	3,153.89	7	2,795.94	7	2,437.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,235.35	1/4	3,992.17	1/4	3,736.96	1/4	3,469.74	1/4	3,146.44	1/4	2,788.49	1/4	2,430.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,230.40	1/2	3,986.96	1/2	3,731.50	1/2	3,464.04	1/2	3,138.98	1/2	2,781.03	1/2	2,423.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,225.45	3/4	3,981.76	3/4	3,726.05	3/4	3,458.34	3/4	3,131.52	3/4	2,773.57	3/4	2,415.62
8	8	8	8	8	8	8	4,220.50	8	3,976.55	8	3,720.60	8	3,452.63	8	3,124.06	8	2,766.11	8	2,408.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,215.55	1/4	3,971.35	1/4	3,715.15	1/4	3,446.93	1/4	3,116.61	1/4	2,758.66	1/4	2,400.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,210.57	1/2	3,966.13	1/2	3,709.68	1/2	3,441.21	1/2	3,109.15	1/2	2,751.20	1/2	2,393.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,205.60	3/4	3,960.91	3/4	3,704.20	3/4	3,435.48	3/4	3,101.69	3/4	2,743.74	3/4	2,385.79
9	9	9	9	9	9	9	4,200.62	9	3,955.68	9	3,698.73	9	3,429.76	9	3,094.24	9	2,736.28	9	2,378.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,195.65	1/4	3,950.46	1/4	3,693.25	1/4	3,424.04	1/4	3,086.78	1/4	2,728.83	1/4	2,370.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,190.65	1/2	3,945.22	1/2	3,687.76	1/2	3,418.31	1/2	3,079.32	1/2	2,721.37	1/2	2,363.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,185.66	3/4	3,939.97	3/4	3,682.27	3/4	3,412.57	3/4	3,071.86	3/4	2,713.91	3/4	2,355.96
10	10	10	10	10	10	10	4,180.67	10	3,934.72	10	3,676.77	10	3,406.84	10	3,064.41	10	2,706.46	10	2,348.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,175.68	1/4	3,929.48	1/4	3,671.28	1/4	3,401.11	1/4	3,056.95	1/4	2,699.00	1/4	2,341.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,170.66	1/2	3,924.21	1/2	3,665.76	1/2	3,395.37	1/2	3,049.49	1/2	2,691.54	1/2	2,333.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,165.64	3/4	3,918.95	3/4	3,660.25	3/4	3,389.64	3/4	3,042.03	3/4	2,684.08	3/4	2,326.13
11	11	11	11	11	11	11	4,160.62	11	3,913.68	11	3,654.73	11	3,383.91	11	3,034.58	11	2,676.63	11	2,318.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,397.02	1/4	4,155.60	1/4	3,908.42	1/4	3,649.21	1/4	3,378.17	1/4	2,669.17	1/4	2,311.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,392.36	1/2	4,150.57	1/2	3,903.13	1/2	3,643.67	1/2	3,372.44	1/2	2,661.71	1/2	2,303.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,387.70	3/4	4,145.53	3/4	3,897.84	3/4	3,638.14	3/4	3,366.71	3/4	2,654.25	3/4	2,296.30

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 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28184"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,288.85	0	1,930.90	0	1,572.95	0	1,215.00	0	857.32	0	499.48	0	141.54	0		0			
1/4	2,281.39	1/4	1,923.44	1/4	1,565.49	1/4	1,207.54	1/4	849.87	1/4	492.03	1/4	134.09	1/4		1/4			
1/2	2,273.93	1/2	1,915.98	1/2	1,558.03	1/2	1,200.08	1/2	842.43	1/2	484.57	1/2	126.63	1/2		1/2			
3/4	2,266.47	3/4	1,908.52	3/4	1,550.57	3/4	1,192.62	3/4	834.98	3/4	477.11	3/4	119.17	3/4		3/4			
1	2,259.02	1	1,901.07	1	1,543.12	1	1,185.17	1	827.54	1	469.65	1	111.72	1		1			
1/4	2,251.56	1/4	1,893.61	1/4	1,535.66	1/4	1,177.71	1/4	820.09	1/4	462.20	1/4	104.26	1/4		1/4			
1/2	2,244.10	1/2	1,886.15	1/2	1,528.20	1/2	1,170.25	1/2	812.65	1/2	454.74	1/2	97.12	1/2		1/2			
3/4	2,236.65	3/4	1,878.70	3/4	1,520.74	3/4	1,162.79	3/4	805.20	3/4	447.28	3/4	89.98	3/4		3/4			
2	2,229.19	2	1,871.24	2	1,513.29	2	1,155.34	2	797.76	2	439.83	2	82.83	2		2			
1/4	2,221.73	1/4	1,863.78	1/4	1,505.83	1/4	1,147.88	1/4	790.31	1/4	432.37	1/4	75.69	1/4		1/4			
1/2	2,214.27	1/2	1,856.32	1/2	1,498.37	1/2	1,140.42	1/2	782.85	1/2	424.91	1/2	69.49	1/2		1/2			
3/4	2,206.82	3/4	1,848.87	3/4	1,490.92	3/4	1,132.97	3/4	775.40	3/4	417.46	3/4	63.29	3/4		3/4			
3	2,199.36	3	1,841.41	3	1,483.46	3	1,125.51	3	767.94	3	410.00	3	57.09	3		3			
1/4	2,191.90	1/4	1,833.95	1/4	1,476.00	1/4	1,118.05	1/4	760.48	1/4	402.54	1/4	50.89	1/4		1/4			
1/2	2,184.44	1/2	1,826.49	1/2	1,468.54	1/2	1,110.59	1/2	753.02	1/2	395.08	1/2	45.95	1/2		1/2			
3/4	2,176.99	3/4	1,819.04	3/4	1,461.09	3/4	1,103.14	3/4	745.57	3/4	387.63	3/4	41.00	3/4		3/4			
4	2,169.53	4	1,811.58	4	1,453.63	4	1,095.68	4	738.11	4	380.17	4	36.06	4		4			
1/4	2,162.07	1/4	1,804.12	1/4	1,446.17	1/4	1,088.22	1/4	730.65	1/4	372.71	1/4	31.12	1/4		1/4			
1/2	2,154.62	1/2	1,796.66	1/2	1,438.71	1/2	1,080.76	1/2	723.20	1/2	365.26	1/2	27.44	1/2		1/2			
3/4	2,147.16	3/4	1,789.21	3/4	1,431.26	3/4	1,073.31	3/4	715.74	3/4	357.80	3/4	23.76	3/4		3/4			
5	2,139.70	5	1,781.75	5	1,423.80	5	1,065.85	5	708.28	5	350.34	5	20.08	5		5			
1/4	2,132.24	1/4	1,774.29	1/4	1,416.34	1/4	1,058.39	1/4	700.82	1/4	342.88	1/4	16.41	1/4		1/4			
1/2	2,124.79	1/2	1,766.84	1/2	1,408.89	1/2	1,050.93	1/2	693.37	1/2	335.43	1/2		1/2		1/2			
3/4	2,117.33	3/4	1,759.38	3/4	1,401.43	3/4	1,043.48	3/4	685.91	3/4	327.97	3/4		3/4		3/4			
6	2,109.87	6	1,751.92	6	1,393.97	6	1,036.02	6	678.45	6	320.51	6		6		6			
1/4	2,102.41	1/4	1,744.46	1/4	1,386.51	1/4	1,028.56	1/4	671.00	1/4	313.06	1/4		1/4		1/4			
1/2	2,094.96	1/2	1,737.01	1/2	1,379.06	1/2	1,021.12	1/2	663.54	1/2	305.60	1/2		1/2		1/2			
3/4	2,087.50	3/4	1,729.55	3/4	1,371.60	3/4	1,013.67	3/4	656.08	3/4	298.14	3/4		3/4		3/4			
7	2,080.04	7	1,722.09	7	1,364.14	7	1,006.23	7	648.63	7	290.68	7		7		7			
1/4	2,072.59	1/4	1,714.63	1/4	1,356.68	1/4	998.78	1/4	641.17	1/4	283.23	1/4		1/4		1/4			
1/2	2,065.13	1/2	1,707.17	1/2	1,349.23	1/2	991.34	1/2	633.71	1/2	275.77	1/2		1/2		1/2			
3/4	2,057.67	3/4	1,699.72	3/4	1,341.77	3/4	983.89	3/4	626.25	3/4	268.31	3/4		3/4		3/4			
8	2,050.21	8	1,692.26	8	1,334.31	8	976.45	8	618.80	8	260.86	8		8		8			
1/4	2,042.76	1/4	1,684.81	1/4	1,326.85	1/4	969.00	1/4	611.34	1/4	253.40	1/4		1/4		1/4			
1/2	2,035.30	1/2	1,677.35	1/2	1,319.40	1/2	961.55	1/2	603.88	1/2	245.94	1/2		1/2		1/2			
3/4	2,027.84	3/4	1,669.89	3/4	1,311.94	3/4	954.11	3/4	596.43	3/4	238.48	3/4		3/4		3/4			
9	2,020.38	9	1,662.43	9	1,304.48	9	946.66	9	588.97	9	231.03	9		9		9			
1/4	2,012.93	1/4	1,654.98	1/4	1,297.03	1/4	939.22	1/4	581.51	1/4	223.57	1/4		1/4		1/4			
1/2	2,005.47	1/2	1,647.52	1/2	1,289.57	1/2	931.77	1/2	574.05	1/2	216.11	1/2		1/2		1/2			
3/4	1,998.01	3/4	1,640.06	3/4	1,282.11	3/4	924.33	3/4	566.60	3/4	208.66	3/4		3/4		3/4			
10	1,990.55	10	1,632.60	10	1,274.65	10	916.88	10	559.14	10	201.20	10		10		10			
1/4	1,983.10	1/4	1,625.15	1/4	1,267.20	1/4	909.44	1/4	551.68	1/4	193.74	1/4		1/4		1/4			
1/2	1,975.64	1/2	1,617.69	1/2	1,259.74	1/2	901.99	1/2	544.23	1/2	186.29	1/2		1/2		1/2			
3/4	1,968.18	3/4	1,610.23	3/4	1,252.28	3/4	894.55	3/4	536.77	3/4	178.83	3/4		3/4		3/4			
11	1,960.73	11	1,602.78	11	1,244.82	11	887.10	11	529.31	11	171.37	11		11		11			
1/4	1,953.27	1/4	1,595.32	1/4	1,237.37	1/4	879.65	1/4	521.85	1/4	163.91	1/4		1/4		1/4			
1/2	1,945.81	1/2	1,587.86	1/2	1,229.91	1/2	872.21	1/2	514.40	1/2	156.46	1/2		1/2		1/2			
3/4	1,938.35	3/4	1,580.40	3/4	1,222.45	3/4	864.76	3/4	506.94	3/4	149.00	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2012 CL - SW
CALCULATED: 03/19/2012 CL
PRINTED: 03/19/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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