



BARGE "KIRBY 28191"

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	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4
1 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4
2 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	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	01-1/8	- 01-1/8	01-1/2	- 01-1/2	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 - 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

May 5, 2012

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28191"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,946.90	0	4,611.37	0	4,271.55	0	3,915.24	0	3,543.15	0	3,166.67	0	2,788.72		
1/4		1/4		1/4		1/4	4,940.22	1/4	4,604.45	1/4	4,264.29	1/4	3,907.63	1/4	3,535.31	1/4	3,158.80	1/4	2,780.84		
1/2		1/2		1/2		1/2	4,933.54	1/2	4,597.53	1/2	4,257.02	1/2	3,900.02	1/2	3,527.47	1/2	3,150.92	1/2	2,772.97		
3/4		3/4		3/4		3/4	4,926.87	3/4	4,590.61	3/4	4,249.76	3/4	3,892.40	3/4	3,519.63	3/4	3,143.05	3/4	2,765.09		
1		1		1		1	4,920.19	1	4,583.69	1	4,242.49	1	3,884.79	1	3,511.79	1	3,135.18	1	2,757.22		
1/4		1/4		1/4		1/4	4,912.58	1/4	4,576.74	1/4	4,235.20	1/4	3,877.15	1/4	3,503.95	1/4	3,127.30	1/4	2,749.35		
1/2		1/2		1/2		1/2	4,904.97	1/2	4,569.79	1/2	4,227.91	1/2	3,869.52	1/2	3,496.11	1/2	3,119.43	1/2	2,741.47		
3/4		3/4		3/4		3/4	4,897.36	3/4	4,562.84	3/4	4,220.62	3/4	3,861.88	3/4	3,488.27	3/4	3,111.55	3/4	2,733.60		
2		2		2		2	4,889.75	2	4,555.89	2	4,213.32	2	3,854.24	2	3,480.43	2	3,103.68	2	2,725.72		
1/4		1/4		1/4		1/4	4,881.91	1/4	4,548.92	1/4	4,206.00	1/4	3,846.58	1/4	3,472.59	1/4	3,095.81	1/4	2,717.85		
1/2		1/2		1/2		1/2	4,874.07	1/2	4,541.94	1/2	4,198.68	1/2	3,838.91	1/2	3,464.75	1/2	3,087.93	1/2	2,709.97		
3/4		3/4		3/4		3/4	4,866.24	3/4	4,534.96	3/4	4,191.36	3/4	3,831.25	3/4	3,456.91	3/4	3,080.06	3/4	2,702.10		
3		3		3		3	4,858.40	3	4,527.98	3	4,184.04	3	3,823.58	3	3,449.08	3	3,072.18	3	2,694.23		
1/4		1/4		1/4		1/4	4,850.99	1/4	4,520.98	1/4	4,176.69	1/4	3,815.89	1/4	3,441.24	1/4	3,064.31	1/4	2,686.35		
1/2		1/2		1/2		1/2	4,843.58	1/2	4,513.97	1/2	4,169.33	1/2	3,808.19	1/2	3,433.40	1/2	3,056.44	1/2	2,678.48		
3/4		3/4		3/4		3/4	4,836.18	3/4	4,506.96	3/4	4,161.98	3/4	3,800.50	3/4	3,425.56	3/4	3,048.56	3/4	2,670.60		
4		4		4		4	4,828.77	4	4,499.95	4	4,154.63	4	3,792.81	4	3,417.72	4	3,040.69	4	2,662.73		
1/4		1/4		1/4		1/4	4,822.08	1/4	4,492.92	1/4	4,147.25	1/4	3,785.08	1/4	3,409.88	1/4	3,032.81	1/4	2,654.86		
1/2		1/2		1/2		1/2	4,815.39	1/2	4,485.88	1/2	4,139.87	1/2	3,777.36	1/2	3,402.04	1/2	3,024.94	1/2	2,646.98		
3/4		3/4		3/4		3/4	4,808.69	3/4	4,478.85	3/4	4,132.50	3/4	3,769.64	3/4	3,394.20	3/4	3,017.06	3/4	2,639.11		
5		5		5		5	4,802.00	5	4,471.81	5	4,125.12	5	3,761.91	5	3,386.36	5	3,009.19	5	2,631.23		
1/4		1/4		1/4		1/4	4,795.28	1/4	4,464.75	1/4	4,117.71	1/4	3,754.16	1/4	3,378.52	1/4	3,001.32	1/4	2,623.36		
1/2		1/2		1/2		1/2	4,788.56	1/2	4,457.68	1/2	4,110.30	1/2	3,746.41	1/2	3,370.68	1/2	2,993.44	1/2	2,615.49		
3/4		3/4		3/4		3/4	4,781.84	3/4	4,450.62	3/4	4,102.89	3/4	3,738.66	3/4	3,362.84	3/4	2,985.57	3/4	2,607.61		
6		6		6		6	4,775.12	6	4,443.55	6	4,095.48	6	3,730.90	6	3,355.01	6	2,977.69	6	2,599.74		
1/4		1/4		1/4		1/4	4,768.37	1/4	4,436.46	1/4	4,088.05	1/4	3,723.12	1/4	3,347.17	1/4	2,969.82	1/4	2,591.86		
1/2		1/2		1/2		1/2	4,761.62	1/2	4,429.37	1/2	4,080.61	1/2	3,715.34	1/2	3,339.33	1/2	2,961.95	1/2	2,583.99		
3/4		3/4		3/4		3/4	4,754.86	3/4	4,422.27	3/4	4,073.17	3/4	3,707.56	3/4	3,331.49	3/4	2,954.07	3/4	2,576.11		
7		7		7		7	4,748.11	7	4,415.18	7	4,065.73	7	3,699.78	7	3,323.65	7	2,946.20	7	2,568.24		
1/4		1/4		1/4		1/4	4,741.33	1/4	4,408.05	1/4	4,058.27	1/4	3,691.97	1/4	3,315.81	1/4	2,938.32	1/4	2,560.37		
1/2		1/2		1/2		1/2	4,734.55	1/2	4,400.93	1/2	4,050.80	1/2	3,684.16	1/2	3,307.97	1/2	2,930.45	1/2	2,552.49		
3/4		3/4		3/4		3/4	4,727.78	3/4	4,393.81	3/4	4,043.34	3/4	3,676.35	3/4	3,300.13	3/4	2,922.58	3/4	2,544.62		
8		8		8		8	4,721.00	8	4,386.68	8	4,035.87	8	3,668.54	8	3,292.29	8	2,914.70	8	2,536.74		
1/4		1/4		1/4		1/4	4,714.19	1/4	4,379.53	1/4	4,028.37	1/4	3,660.71	1/4	3,284.45	1/4	2,906.83	1/4	2,528.87		
1/2		1/2		1/2		1/2	4,707.38	1/2	4,372.38	1/2	4,020.88	1/2	3,652.88	1/2	3,276.61	1/2	2,898.95	1/2	2,521.00		
3/4		3/4		3/4		3/4	4,700.57	3/4	4,365.23	3/4	4,013.38	3/4	3,645.05	3/4	3,268.77	3/4	2,891.08	3/4	2,513.12		
9		9		9		9	4,693.76	9	4,358.08	9	4,005.89	9	3,637.22	9	3,260.93	9	2,883.20	9	2,505.25		
1/4		1/4		1/4		1/4	4,686.92	1/4	4,350.90	1/4	3,998.36	1/4	3,629.38	1/4	3,253.10	1/4	2,875.33	1/4	2,497.37		
1/2		1/2		1/2		1/2	4,680.08	1/2	4,343.71	1/2	3,990.84	1/2	3,621.54	1/2	3,245.26	1/2	2,867.46	1/2	2,489.50		
3/4		3/4		3/4		3/4	4,673.25	3/4	4,336.53	3/4	3,983.31	3/4	3,613.70	3/4	3,237.42	3/4	2,859.58	3/4	2,481.63		
10		10		10		10	4,666.41	10	4,329.35	10	3,975.79	10	3,605.86	10	3,229.58	10	2,851.71	10	2,473.75		
1/4		1/4		1/4		1/4	4,659.54	1/4	4,322.14	1/4	3,968.23	1/4	3,598.02	1/4	3,221.73	1/4	2,843.83	1/4	2,465.88		
1/2		1/2		1/2		1/2	4,652.67	1/2	4,314.93	1/2	3,960.68	1/2	3,590.18	1/2	3,213.87	1/2	2,835.96	1/2	2,458.00		
3/4		3/4		3/4		3/4	4,645.80	3/4	4,307.72	3/4	3,953.13	3/4	3,582.34	3/4	3,206.02	3/4	2,828.09	3/4	2,450.13		
11		11		11		11	4,638.94	11	4,300.51	11	3,945.57	11	3,574.50	11	3,198.17	11	2,820.21	11	2,442.26		
1/4		1/4		1/4		1/4	4,632.05	1/4	4,293.27	1/4	3,937.99	1/4	3,566.66	1/4	3,190.29	1/4	2,812.34	1/4	2,434.38		
1/2		1/2		1/2		1/2	4,957.65	1/2	4,625.15	1/2	4,286.03	1/2	3,930.41	1/2	3,558.82	1/2	3,182.42	1/2	2,804.46	1/2	2,426.51
3/4		3/4		3/4		3/4	4,952.28	3/4	4,618.26	3/4	4,278.79	3/4	3,922.82	3/4	3,550.99	3/4	3,174.55	3/4	2,796.59	3/4	2,418.63

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 28191"

1 PORT 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	2,410.76	0	2,032.80	0	1,654.85	0	1,278.33	0	901.10	0	523.19	0	176.16	0		0		0	
1/4	2,402.88	1/4	2,024.93	1/4	1,646.97	1/4	1,270.50	1/4	893.22	1/4	515.37	1/4	169.65	1/4		1/4		1/4	
1/2	2,395.01	1/2	2,017.05	1/2	1,639.10	1/2	1,262.68	1/2	885.35	1/2	507.56	1/2	163.13	1/2		1/2		1/2	
3/4	2,387.14	3/4	2,009.18	3/4	1,631.22	3/4	1,254.85	3/4	877.47	3/4	499.74	3/4	156.61	3/4		3/4		3/4	
1	2,379.26	1	2,001.31	1	1,623.35	1	1,247.03	1	869.60	1	491.93	1	150.09	1		1		1	
1/4	2,371.39	1/4	1,993.43	1/4	1,615.47	1/4	1,239.20	1/4	861.73	1/4	484.20	1/4	143.69	1/4		1/4		1/4	
1/2	2,363.51	1/2	1,985.56	1/2	1,607.60	1/2	1,231.38	1/2	853.85	1/2	476.48	1/2	137.29	1/2		1/2		1/2	
3/4	2,355.64	3/4	1,977.68	3/4	1,599.73	3/4	1,223.56	3/4	845.98	3/4	468.76	3/4	130.89	3/4		3/4		3/4	
2	2,347.77	2	1,969.81	2	1,591.85	2	1,215.73	2	838.11	2	461.03	2	124.48	2		2		2	
1/4	2,339.89	1/4	1,961.94	1/4	1,583.98	1/4	1,207.91	1/4	830.23	1/4	453.42	1/4	118.20	1/4		1/4		1/4	
1/2	2,332.02	1/2	1,954.06	1/2	1,576.10	1/2	1,200.08	1/2	822.36	1/2	445.81	1/2	111.92	1/2		1/2		1/2	
3/4	2,324.14	3/4	1,946.19	3/4	1,568.23	3/4	1,192.26	3/4	814.48	3/4	438.19	3/4	105.64	3/4		3/4		3/4	
3	2,316.27	3	1,938.31	3	1,560.36	3	1,184.43	3	806.61	3	430.58	3	99.36	3		3		3	
1/4	2,308.40	1/4	1,930.44	1/4	1,552.49	1/4	1,176.59	1/4	798.74	1/4	423.07	1/4	93.21	1/4		1/4		1/4	
1/2	2,300.52	1/2	1,922.56	1/2	1,544.63	1/2	1,168.75	1/2	790.86	1/2	415.57	1/2	87.06	1/2		1/2		1/2	
3/4	2,292.65	3/4	1,914.69	3/4	1,536.77	3/4	1,160.90	3/4	782.99	3/4	408.06	3/4	80.91	3/4		3/4		3/4	
4	2,284.77	4	1,906.82	4	1,528.90	4	1,153.06	4	775.11	4	400.56	4	74.75	4		4		4	
1/4	2,276.90	1/4	1,898.94	1/4	1,521.06	1/4	1,145.19	1/4	767.24	1/4	393.16	1/4	68.74	1/4		1/4		1/4	
1/2	2,269.03	1/2	1,891.07	1/2	1,513.21	1/2	1,137.31	1/2	759.37	1/2	385.77	1/2	62.73	1/2		1/2		1/2	
3/4	2,261.15	3/4	1,883.19	3/4	1,505.37	3/4	1,129.44	3/4	751.49	3/4	378.37	3/4	56.72	3/4		3/4		3/4	
5	2,253.28	5	1,875.32	5	1,497.53	5	1,121.57	5	743.62	5	370.98	5	50.71	5		5		5	
1/4	2,245.40	1/4	1,867.45	1/4	1,489.69	1/4	1,113.69	1/4	735.74	1/4	363.69	1/4	45.30	1/4		1/4		1/4	
1/2	2,237.53	1/2	1,859.57	1/2	1,481.85	1/2	1,105.82	1/2	727.87	1/2	356.41	1/2	39.88	1/2		1/2		1/2	
3/4	2,229.65	3/4	1,851.70	3/4	1,474.01	3/4	1,097.94	3/4	720.00	3/4	349.12	3/4	34.46	3/4		3/4		3/4	
6	2,221.78	6	1,843.82	6	1,466.17	6	1,090.07	6	712.12	6	341.83	6	29.04	6		6		6	
1/4	2,213.91	1/4	1,835.95	1/4	1,458.33	1/4	1,082.20	1/4	704.25	1/4	334.66	1/4	25.08	1/4		1/4		1/4	
1/2	2,206.03	1/2	1,828.08	1/2	1,450.50	1/2	1,074.32	1/2	696.38	1/2	327.48	1/2	21.12	1/2		1/2		1/2	
3/4	2,198.16	3/4	1,820.20	3/4	1,442.67	3/4	1,066.45	3/4	688.50	3/4	320.30	3/4	17.15	3/4		3/4		3/4	
7	2,190.28	7	1,812.33	7	1,434.84	7	1,058.57	7	680.63	7	313.13	7	13.19	7		7		7	
1/4	2,182.41	1/4	1,804.45	1/4	1,427.01	1/4	1,050.70	1/4	672.75	1/4	306.06	1/4		1/4		1/4		1/4	
1/2	2,174.54	1/2	1,796.58	1/2	1,419.18	1/2	1,042.83	1/2	664.88	1/2	298.99	1/2		1/2		1/2		1/2	
3/4	2,166.66	3/4	1,788.70	3/4	1,411.35	3/4	1,034.95	3/4	657.01	3/4	291.93	3/4		3/4		3/4		3/4	
8	2,158.79	8	1,780.83	8	1,403.52	8	1,027.08	8	649.13	8	284.86	8		8		8		8	
1/4	2,150.91	1/4	1,772.96	1/4	1,395.70	1/4	1,019.20	1/4	641.26	1/4	277.90	1/4		1/4		1/4		1/4	
1/2	2,143.04	1/2	1,765.08	1/2	1,387.87	1/2	1,011.33	1/2	633.38	1/2	270.94	1/2		1/2		1/2		1/2	
3/4	2,135.17	3/4	1,757.21	3/4	1,380.05	3/4	1,003.46	3/4	625.51	3/4	263.99	3/4		3/4		3/4		3/4	
9	2,127.29	9	1,749.33	9	1,372.22	9	995.58	9	617.64	9	257.03	9		9		9		9	
1/4	2,119.42	1/4	1,741.46	1/4	1,364.40	1/4	987.71	1/4	609.76	1/4	250.18	1/4		1/4		1/4		1/4	
1/2	2,111.54	1/2	1,733.59	1/2	1,356.58	1/2	979.84	1/2	601.89	1/2	243.33	1/2		1/2		1/2		1/2	
3/4	2,103.67	3/4	1,725.71	3/4	1,348.75	3/4	971.96	3/4	594.01	3/4	236.48	3/4		3/4		3/4		3/4	
10	2,095.79	10	1,717.84	10	1,340.93	10	964.09	10	586.14	10	229.64	10		10		10		10	
1/4	2,087.92	1/4	1,709.96	1/4	1,333.10	1/4	956.21	1/4	578.27	1/4	222.90	1/4		1/4		1/4		1/4	
1/2	2,080.05	1/2	1,702.09	1/2	1,325.28	1/2	948.34	1/2	570.39	1/2	216.16	1/2		1/2		1/2		1/2	
3/4	2,072.17	3/4	1,694.22	3/4	1,317.45	3/4	940.47	3/4	562.52	3/4	209.42	3/4		3/4		3/4		3/4	
11	2,064.30	11	1,686.34	11	1,309.63	11	932.59	11	554.64	11	202.68	11		11		11		11	
1/4	2,056.42	1/4	1,678.47	1/4	1,301.80	1/4	924.72	1/4	546.78	1/4	196.05	1/4		1/4		1/4		1/4	
1/2	2,048.55	1/2	1,670.59	1/2	1,293.98	1/2	916.84	1/2	538.92	1/2	189.42	1/2		1/2		1/2		1/2	
3/4	2,040.68	3/4	1,662.72	3/4	1,286.15	3/4	908.97	3/4	531.05	3/4	182.79	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2012 CL - SW
CALCULATED: 05/05/2012 CL
PRINTED: 05/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

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



BARGE "KIRBY 28191"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,958.30		4,625.87		4,286.83		3,931.28		3,559.79		3,183.47		2,805.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,952.92	1/4	4,618.98	1/4	4,279.59	1/4	3,923.70	1/4	3,551.95	1/4	3,175.60	1/4	2,797.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,947.54	1/2	4,612.09	1/2	4,272.35	1/2	3,916.12	1/2	3,544.11	1/2	3,167.72	1/2	2,789.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,940.87	3/4	4,605.17	3/4	4,265.09	3/4	3,908.51	3/4	3,536.27	3/4	3,159.85	3/4	2,781.98		
1	1	1	1	1	1	1	4,934.19	1	4,598.26	1	4,257.82	1	3,900.90	1	3,528.44	1	3,151.98	1	2,774.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,927.52	1/4	4,591.34	1/4	4,250.56	1/4	3,893.29	1/4	3,520.60	1/4	3,144.11	1/4	2,766.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,920.84	1/2	4,584.42	1/2	4,243.30	1/2	3,885.68	1/2	3,512.76	1/2	3,136.24	1/2	2,758.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,913.23	3/4	4,577.47	3/4	4,236.01	3/4	3,878.04	3/4	3,504.92	3/4	3,128.36	3/4	2,750.49		
2	2	2	2	2	2	2	4,905.63	2	4,570.52	2	4,228.72	2	3,870.41	2	3,497.09	2	3,120.49	2	2,742.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,898.02	1/4	4,563.58	1/4	4,221.43	1/4	3,862.77	1/4	3,489.25	1/4	3,112.62	1/4	2,734.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,890.41	1/2	4,556.63	1/2	4,214.14	1/2	3,855.14	1/2	3,481.41	1/2	3,104.75	1/2	2,726.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,882.57	3/4	4,549.65	3/4	4,206.82	3/4	3,847.48	3/4	3,473.58	3/4	3,096.87	3/4	2,719.00		
3	3	3	3	3	3	3	4,874.74	3	4,542.68	3	4,199.50	3	3,839.81	3	3,465.74	3	3,089.00	3	2,711.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,866.90	1/4	4,535.70	1/4	4,192.17	1/4	3,832.15	1/4	3,457.90	1/4	3,081.13	1/4	2,703.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,859.06	1/2	4,528.72	1/2	4,184.85	1/2	3,824.49	1/2	3,450.06	1/2	3,073.26	1/2	2,695.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,851.66	3/4	4,521.72	3/4	4,177.51	3/4	3,816.79	3/4	3,442.23	3/4	3,065.38	3/4	2,687.51		
4	4	4	4	4	4	4	4,844.25	4	4,514.71	4	4,170.16	4	3,809.10	4	3,434.39	4	3,057.51	4	2,679.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,836.85	1/4	4,507.71	1/4	4,162.81	1/4	3,801.41	1/4	3,426.55	1/4	3,049.64	1/4	2,671.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,829.45	1/2	4,500.70	1/2	4,155.46	1/2	3,793.71	1/2	3,418.71	1/2	3,041.77	1/2	2,663.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,822.75	3/4	4,493.67	3/4	4,148.08	3/4	3,785.99	3/4	3,410.88	3/4	3,033.90	3/4	2,656.03		
5	5	5	5	5	5	5	4,816.06	5	4,486.63	5	4,140.70	5	3,778.27	5	3,403.04	5	3,026.02	5	2,648.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,809.37	1/4	4,479.60	1/4	4,133.33	1/4	3,770.55	1/4	3,395.20	1/4	3,018.15	1/4	2,640.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,802.68	1/2	4,472.57	1/2	4,125.95	1/2	3,762.83	1/2	3,387.36	1/2	3,010.28	1/2	2,632.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,795.96	3/4	4,465.50	3/4	4,118.54	3/4	3,755.08	3/4	3,379.53	3/4	3,002.41	3/4	2,624.54		
6	6	6	6	6	6	6	4,789.24	6	4,458.44	6	4,111.14	6	3,747.33	6	3,371.69	6	2,994.53	6	2,616.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,782.52	1/4	4,451.38	1/4	4,103.73	1/4	3,739.58	1/4	3,363.85	1/4	2,986.66	1/4	2,608.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,775.80	1/2	4,444.31	1/2	4,096.32	1/2	3,731.83	1/2	3,356.01	1/2	2,978.79	1/2	2,600.92		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,769.05	3/4	4,437.22	3/4	4,088.89	3/4	3,724.05	3/4	3,348.18	3/4	2,970.92	3/4	2,593.05		
7	7	7	7	7	7	7	4,762.30	7	4,430.13	7	4,081.45	7	3,716.27	7	3,340.34	7	2,963.04	7	2,585.17		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,755.55	1/4	4,423.04	1/4	4,074.02	1/4	3,708.49	1/4	3,332.50	1/4	2,955.17	1/4	2,577.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,748.80	1/2	4,415.95	1/2	4,066.58	1/2	3,700.71	1/2	3,324.66	1/2	2,947.30	1/2	2,569.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,742.03	3/4	4,408.82	3/4	4,059.12	3/4	3,692.91	3/4	3,316.83	3/4	2,939.43	3/4	2,561.56		
8	8	8	8	8	8	8	4,735.25	8	4,401.70	8	4,051.65	8	3,685.10	8	3,308.99	8	2,931.56	8	2,553.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,728.47	1/4	4,394.58	1/4	4,044.19	1/4	3,677.29	1/4	3,301.15	1/4	2,923.68	1/4	2,545.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,721.69	1/2	4,387.46	1/2	4,036.72	1/2	3,669.48	1/2	3,293.32	1/2	2,915.81	1/2	2,537.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,714.89	3/4	4,380.31	3/4	4,029.23	3/4	3,661.65	3/4	3,285.48	3/4	2,907.94	3/4	2,530.07		
9	9	9	9	9	9	9	4,708.08	9	4,373.16	9	4,021.73	9	3,653.82	9	3,277.64	9	2,900.07	9	2,522.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,701.27	1/4	4,366.01	1/4	4,014.24	1/4	3,645.99	1/4	3,269.80	1/4	2,892.19	1/4	2,514.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,694.46	1/2	4,358.86	1/2	4,006.75	1/2	3,638.16	1/2	3,261.97	1/2	2,884.32	1/2	2,506.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,687.63	3/4	4,351.68	3/4	3,999.22	3/4	3,630.32	3/4	3,254.13	3/4	2,876.45	3/4	2,498.58		
10	10	10	10	10	10	10	4,680.79	10	4,344.50	10	3,991.70	10	3,622.49	10	3,246.29	10	2,868.58	10	2,490.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,673.95	1/4	4,337.32	1/4	3,984.18	1/4	3,614.65	1/4	3,238.45	1/4	2,860.70	1/4	2,482.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,667.12	1/2	4,330.14	1/2	3,976.66	1/2	3,606.81	1/2	3,230.62	1/2	2,852.83	1/2	2,474.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,660.25	3/4	4,322.93	3/4	3,969.10	3/4	3,598.97	3/4	3,222.77	3/4	2,844.96	3/4	2,467.09		
11	11	11	11	11	11	11	4,653.39	11	4,315.72	11	3,961.55	11	3,591.14	11	3,214.91	11	2,837.09	11	2,459.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,646.52	1/4	4,308.51	1/4	3,954.00	1/4	3,583.30	1/4	3,207.06	1/4	2,829.22	1/4	2,451.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,639.65	1/2	4,301.30	1/2	3,946.45	1/2	3,575.46	1/2	3,199.21	1/2	2,821.34	1/2	2,443.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,632.76	3/4	4,294.06	3/4	3,938.86	3/4	3,567.62	3/4	3,191.34	3/4	2,813.47	3/4	2,435.60		

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 28191"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,427.73	0	2,049.86	0	1,671.99	0	1,294.12	0	916.53	0	538.79	0	189.38	0		0		0	
1/4	2,419.86	1/4	2,041.99	1/4	1,664.12	1/4	1,286.24	1/4	908.67	1/4	530.93	1/4	182.75	1/4		1/4		1/4	
1/2	2,411.98	1/2	2,034.11	1/2	1,656.24	1/2	1,278.37	1/2	900.81	1/2	523.07	1/2	176.12	1/2		1/2		1/2	
3/4	2,404.11	3/4	2,026.24	3/4	1,648.37	3/4	1,270.50	3/4	892.95	3/4	515.26	3/4	169.61	3/4		3/4		3/4	
1	2,396.24	1	2,018.37	1	1,640.50	1	1,262.63	1	885.09	1	507.44	1	163.09	1		1		1	
1/4	2,388.37	1/4	2,010.50	1/4	1,632.63	1/4	1,254.76	1/4	877.23	1/4	499.63	1/4	156.57	1/4		1/4		1/4	
1/2	2,380.49	1/2	2,002.62	1/2	1,624.75	1/2	1,246.88	1/2	869.37	1/2	491.82	1/2	150.06	1/2		1/2		1/2	
3/4	2,372.62	3/4	1,994.75	3/4	1,616.88	3/4	1,239.01	3/4	861.51	3/4	484.09	3/4	143.66	3/4		3/4		3/4	
2	2,364.75	2	1,986.88	2	1,609.01	2	1,231.14	2	853.64	2	476.37	2	137.26	2		2		2	
1/4	2,356.88	1/4	1,979.01	1/4	1,601.14	1/4	1,223.27	1/4	845.78	1/4	468.65	1/4	130.86	1/4		1/4		1/4	
1/2	2,349.01	1/2	1,971.14	1/2	1,593.26	1/2	1,215.39	1/2	837.91	1/2	460.93	1/2	124.46	1/2		1/2		1/2	
3/4	2,341.13	3/4	1,963.26	3/4	1,585.39	3/4	1,207.52	3/4	830.04	3/4	453.32	3/4	118.18	3/4		3/4		3/4	
3	2,333.26	3	1,955.39	3	1,577.52	3	1,199.65	3	822.17	3	445.70	3	111.90	3		3		3	
1/4	2,325.39	1/4	1,947.52	1/4	1,569.65	1/4	1,191.78	1/4	814.30	1/4	438.09	1/4	105.62	1/4		1/4		1/4	
1/2	2,317.52	1/2	1,939.65	1/2	1,561.78	1/2	1,183.91	1/2	806.43	1/2	430.48	1/2	99.34	1/2		1/2		1/2	
3/4	2,309.64	3/4	1,931.77	3/4	1,553.90	3/4	1,176.03	3/4	798.55	3/4	422.98	3/4	93.19	3/4		3/4		3/4	
4	2,301.77	4	1,923.90	4	1,546.03	4	1,168.16	4	790.68	4	415.47	4	87.04	4		4		4	
1/4	2,293.90	1/4	1,916.03	1/4	1,538.16	1/4	1,160.29	1/4	782.81	1/4	407.97	1/4	80.89	1/4		1/4		1/4	
1/2	2,286.03	1/2	1,908.16	1/2	1,530.29	1/2	1,152.42	1/2	774.94	1/2	400.47	1/2	74.74	1/2		1/2		1/2	
3/4	2,278.15	3/4	1,900.28	3/4	1,522.41	3/4	1,144.54	3/4	767.06	3/4	393.07	3/4	68.73	3/4		3/4		3/4	
5	2,270.28	5	1,892.41	5	1,514.54	5	1,136.67	5	759.19	5	385.68	5	62.72	5		5		5	
1/4	2,262.41	1/4	1,884.54	1/4	1,506.67	1/4	1,128.80	1/4	751.32	1/4	378.29	1/4	56.71	1/4		1/4		1/4	
1/2	2,254.54	1/2	1,876.67	1/2	1,498.80	1/2	1,120.93	1/2	743.45	1/2	370.89	1/2	50.70	1/2		1/2		1/2	
3/4	2,246.67	3/4	1,868.80	3/4	1,490.92	3/4	1,113.06	3/4	735.58	3/4	363.61	3/4	45.29	3/4		3/4		3/4	
6	2,238.79	6	1,860.92	6	1,483.05	6	1,105.19	6	727.70	6	356.32	6	39.87	6		6		6	
1/4	2,230.92	1/4	1,853.05	1/4	1,475.18	1/4	1,097.32	1/4	719.83	1/4	349.04	1/4	34.45	1/4		1/4		1/4	
1/2	2,223.05	1/2	1,845.18	1/2	1,467.31	1/2	1,089.46	1/2	711.96	1/2	341.76	1/2	29.04	1/2		1/2		1/2	
3/4	2,215.18	3/4	1,837.31	3/4	1,459.44	3/4	1,081.60	3/4	704.09	3/4	334.58	3/4	25.07	3/4		3/4		3/4	
7	2,207.30	7	1,829.43	7	1,451.56	7	1,073.74	7	696.22	7	327.41	7	21.11	7		7		7	
1/4	2,199.43	1/4	1,821.56	1/4	1,443.69	1/4	1,065.88	1/4	688.34	1/4	320.23	1/4	17.15	1/4		1/4		1/4	
1/2	2,191.56	1/2	1,813.69	1/2	1,435.82	1/2	1,058.02	1/2	680.47	1/2	313.06	1/2	13.18	1/2		1/2		1/2	
3/4	2,183.69	3/4	1,805.82	3/4	1,427.95	3/4	1,050.16	3/4	672.60	3/4	305.99	3/4		3/4		3/4		3/4	
8	2,175.81	8	1,797.94	8	1,420.07	8	1,042.30	8	664.73	8	298.93	8		8		8		8	
1/4	2,167.94	1/4	1,790.07	1/4	1,412.20	1/4	1,034.44	1/4	656.86	1/4	291.86	1/4		1/4		1/4		1/4	
1/2	2,160.07	1/2	1,782.20	1/2	1,404.33	1/2	1,026.58	1/2	648.98	1/2	284.80	1/2		1/2		1/2		1/2	
3/4	2,152.20	3/4	1,774.33	3/4	1,396.46	3/4	1,018.71	3/4	641.11	3/4	277.84	3/4		3/4		3/4		3/4	
9	2,144.33	9	1,766.46	9	1,388.58	9	1,010.85	9	633.24	9	270.88	9		9		9		9	
1/4	2,136.45	1/4	1,758.58	1/4	1,380.71	1/4	1,002.99	1/4	625.37	1/4	263.93	1/4		1/4		1/4		1/4	
1/2	2,128.58	1/2	1,750.71	1/2	1,372.84	1/2	995.13	1/2	617.50	1/2	256.97	1/2		1/2		1/2		1/2	
3/4	2,120.71	3/4	1,742.84	3/4	1,364.97	3/4	987.27	3/4	609.62	3/4	250.12	3/4		3/4		3/4		3/4	
10	2,112.84	10	1,734.97	10	1,357.10	10	979.41	10	601.75	10	243.28	10		10		10		10	
1/4	2,104.96	1/4	1,727.09	1/4	1,349.22	1/4	971.55	1/4	593.88	1/4	236.43	1/4		1/4		1/4		1/4	
1/2	2,097.09	1/2	1,719.22	1/2	1,341.35	1/2	963.69	1/2	586.01	1/2	229.58	1/2		1/2		1/2		1/2	
3/4	2,089.22	3/4	1,711.35	3/4	1,333.48	3/4	955.83	3/4	578.13	3/4	222.85	3/4		3/4		3/4		3/4	
11	2,081.35	11	1,703.48	11	1,325.61	11	947.97	11	570.26	11	216.11	11		11		11		11	
1/4	2,073.47	1/4	1,695.60	1/4	1,317.73	1/4	940.11	1/4	562.39	1/4	209.37	1/4		1/4		1/4		1/4	
1/2	2,065.60	1/2	1,687.73	1/2	1,309.86	1/2	932.25	1/2	554.52	1/2	202.63	1/2		1/2		1/2		1/2	
3/4	2,057.73	3/4	1,679.86	3/4	1,301.99	3/4	924.39	3/4	546.66	3/4	196.01	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2012 CL - SW
CALCULATED: 05/05/2012 CL
PRINTED: 05/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28191"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,750.70	0	4,430.39	0	4,105.89	0	3,766.27	0	3,412.27	0	3,054.43	0	2,695.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,744.36	1/4	4,423.79	1/4	4,098.97	1/4	3,759.02	1/4	3,404.82	1/4	3,046.94	1/4	2,687.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,738.02	1/2	4,417.18	1/2	4,092.04	1/2	3,751.78	1/2	3,397.37	1/2	3,039.46	1/2	2,680.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,731.67	3/4	4,410.57	3/4	4,085.12	3/4	3,744.54	3/4	3,389.92	3/4	3,031.98	3/4	2,672.81		
1		1		1		1	4,724.44	1	4,403.94	1	4,078.17	1	3,737.27	1	3,382.47	1	3,024.50	1	2,665.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,717.21	1/4	4,397.30	1/4	4,071.22	1/4	3,730.01	1/4	3,375.02	1/4	3,017.01	1/4	2,657.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,709.98	1/2	4,390.67	1/2	4,064.27	1/2	3,722.74	1/2	3,367.57	1/2	3,009.53	1/2	2,650.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,702.75	3/4	4,384.03	3/4	4,057.33	3/4	3,715.48	3/4	3,360.12	3/4	3,002.05	3/4	2,642.88		
2		2		2		2	4,695.30	2	4,377.37	2	4,050.35	2	3,708.19	2	3,352.67	2	2,994.57	2	2,635.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,687.85	1/4	4,370.71	1/4	4,043.37	1/4	3,700.90	1/4	3,345.22	1/4	2,987.08	1/4	2,627.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,680.40	1/2	4,364.05	1/2	4,036.40	1/2	3,693.61	1/2	3,337.77	1/2	2,979.60	1/2	2,620.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,672.95	3/4	4,357.39	3/4	4,029.42	3/4	3,686.31	3/4	3,330.32	3/4	2,972.12	3/4	2,612.95		
3		3		3		3	4,665.90	3	4,350.71	3	4,022.42	3	3,679.00	3	3,322.87	3	2,964.63	3	2,605.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,658.84	1/4	4,344.02	1/4	4,015.42	1/4	3,671.68	1/4	3,315.42	1/4	2,957.15	1/4	2,597.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,651.79	1/2	4,337.33	1/2	4,008.41	1/2	3,664.36	1/2	3,307.97	1/2	2,949.67	1/2	2,590.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,644.74	3/4	4,330.64	3/4	4,001.41	3/4	3,657.04	3/4	3,300.52	3/4	2,942.19	3/4	2,583.02		
4		4		4		4	4,638.34	4	4,323.93	4	3,994.38	4	3,649.70	4	3,293.07	4	2,934.70	4	2,575.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,631.94	1/4	4,317.22	1/4	3,987.35	1/4	3,642.36	1/4	3,285.61	1/4	2,927.22	1/4	2,568.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,625.54	1/2	4,310.50	1/2	3,980.33	1/2	3,635.01	1/2	3,278.16	1/2	2,919.74	1/2	2,560.57		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,619.14	3/4	4,303.79	3/4	3,973.30	3/4	3,627.67	3/4	3,270.71	3/4	2,912.26	3/4	2,553.09		
5		5		5		5	4,612.72	5	4,297.05	5	3,966.24	5	3,620.30	5	3,263.26	5	2,904.77	5	2,545.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,606.29	1/4	4,290.31	1/4	3,959.19	1/4	3,612.93	1/4	3,255.81	1/4	2,897.29	1/4	2,538.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,599.87	1/2	4,283.57	1/2	3,952.13	1/2	3,605.56	1/2	3,248.36	1/2	2,889.81	1/2	2,530.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,593.44	3/4	4,276.83	3/4	3,945.08	3/4	3,598.18	3/4	3,240.91	3/4	2,882.32	3/4	2,523.16		
6		6		6		6	4,586.99	6	4,270.06	6	3,937.99	6	3,590.79	6	3,233.46	6	2,874.84	6	2,515.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,580.54	1/4	4,263.29	1/4	3,930.91	1/4	3,583.39	1/4	3,226.01	1/4	2,867.36	1/4	2,508.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,574.08	1/2	4,256.53	1/2	3,923.83	1/2	3,575.99	1/2	3,218.56	1/2	2,859.88	1/2	2,500.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,567.63	3/4	4,249.76	3/4	3,916.75	3/4	3,568.60	3/4	3,211.11	3/4	2,852.39	3/4	2,493.22		
7		7		7		7	4,561.15	7	4,242.97	7	3,909.64	7	3,561.17	7	3,203.66	7	2,844.91	7	2,485.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,554.67	1/4	4,236.17	1/4	3,902.53	1/4	3,553.75	1/4	3,196.21	1/4	2,837.43	1/4	2,478.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,548.20	1/2	4,229.38	1/2	3,895.42	1/2	3,546.33	1/2	3,188.76	1/2	2,829.95	1/2	2,470.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,541.72	3/4	4,222.58	3/4	3,888.31	3/4	3,538.90	3/4	3,181.31	3/4	2,822.46	3/4	2,463.29		
8		8		8		8	4,535.21	8	4,215.76	8	3,881.18	8	3,531.46	8	3,173.86	8	2,814.98	8	2,455.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,528.70	1/4	4,208.94	1/4	3,874.04	1/4	3,524.02	1/4	3,166.40	1/4	2,807.50	1/4	2,448.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,522.20	1/2	4,202.12	1/2	3,866.91	1/2	3,516.57	1/2	3,158.95	1/2	2,800.02	1/2	2,440.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,515.69	3/4	4,195.30	3/4	3,859.77	3/4	3,509.13	3/4	3,151.50	3/4	2,792.53	3/4	2,433.36		
9		9		9		9	4,509.16	9	4,188.46	9	3,852.61	9	3,501.68	9	3,144.05	9	2,785.05	9	2,425.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,502.63	1/4	4,181.61	1/4	3,845.45	1/4	3,494.23	1/4	3,136.60	1/4	2,777.57	1/4	2,418.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,496.10	1/2	4,174.76	1/2	3,838.29	1/2	3,486.78	1/2	3,129.15	1/2	2,770.08	1/2	2,410.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,489.57	3/4	4,167.91	3/4	3,831.13	3/4	3,479.33	3/4	3,121.70	3/4	2,762.60	3/4	2,403.43		
10		10		10		10	4,483.01	10	4,161.04	10	3,823.94	10	3,471.88	10	3,114.24	10	2,755.12	10	2,395.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,476.45	1/4	4,154.17	1/4	3,816.75	1/4	3,464.43	1/4	3,106.77	1/4	2,747.64	1/4	2,388.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,469.89	1/2	4,147.29	1/2	3,809.56	1/2	3,456.98	1/2	3,099.31	1/2	2,740.15	1/2	2,380.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,463.33	3/4	4,140.42	3/4	3,802.37	3/4	3,449.53	3/4	3,091.84	3/4	2,732.67	3/4	2,373.50		
11		11		11		11	4,456.74	11	4,133.52	11	3,795.15	11	3,442.08	11	3,084.36	11	2,725.19	11	2,366.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,767.27	1/4	4,450.16	1/4	4,126.62	1/4	3,787.94	1/4	3,434.63	1/4	3,076.88	1/4	2,717.71	1/4	2,358.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,762.16	1/2	4,443.58	1/2	4,119.72	1/2	3,780.72	1/2	3,427.18	1/2	3,069.39	1/2	2,710.22	1/2	2,351.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,757.05	3/4	4,437.00	3/4	4,112.81	3/4	3,773.51	3/4	3,419.73	3/4	3,061.91	3/4	2,702.74	3/4	2,343.57

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28191"

2 PORT 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	2,336.09	0	1,976.92	0	1,617.75	0	1,268.34	0	923.35	0	564.75	0	205.60	0		0		0	
1/4	2,328.61	1/4	1,969.44	1/4	1,610.27	1/4	1,261.14	1/4	916.05	1/4	557.27	1/4	198.12	1/4		1/4		1/4	
1/2	2,321.12	1/2	1,961.95	1/2	1,602.78	1/2	1,253.94	1/2	908.76	1/2	549.79	1/2	190.64	1/2		1/2		1/2	
3/4	2,313.64	3/4	1,954.47	3/4	1,595.30	3/4	1,246.74	3/4	901.47	3/4	542.31	3/4	183.15	3/4		3/4		3/4	
1	2,306.16	1	1,946.99	1	1,587.82	1	1,239.54	1	893.98	1	534.82	1	175.68	1		1		1	
1/4	2,298.67	1/4	1,939.50	1/4	1,580.34	1/4	1,232.34	1/4	886.50	1/4	527.34	1/4	168.21	1/4		1/4		1/4	
1/2	2,291.19	1/2	1,932.02	1/2	1,572.85	1/2	1,225.14	1/2	879.02	1/2	519.86	1/2	160.73	1/2		1/2		1/2	
3/4	2,283.71	3/4	1,924.54	3/4	1,565.37	3/4	1,217.94	3/4	871.54	3/4	512.38	3/4	153.26	3/4		3/4		3/4	
2	2,276.23	2	1,917.06	2	1,557.89	2	1,210.75	2	864.05	2	504.89	2	145.80	2		2		2	
1/4	2,268.74	1/4	1,909.57	1/4	1,550.40	1/4	1,203.55	1/4	856.57	1/4	497.41	1/4	138.33	1/4		1/4		1/4	
1/2	2,261.26	1/2	1,902.09	1/2	1,542.92	1/2	1,196.36	1/2	849.09	1/2	489.93	1/2	130.87	1/2		1/2		1/2	
3/4	2,253.78	3/4	1,894.61	3/4	1,535.44	3/4	1,189.16	3/4	841.61	3/4	482.45	3/4	123.41	3/4		3/4		3/4	
3	2,246.30	3	1,887.13	3	1,528.06	3	1,181.98	3	834.12	3	474.96	3	115.96	3		3		3	
1/4	2,238.81	1/4	1,879.64	1/4	1,520.68	1/4	1,174.79	1/4	826.64	1/4	467.48	1/4	108.52	1/4		1/4		1/4	
1/2	2,231.33	1/2	1,872.16	1/2	1,513.31	1/2	1,167.60	1/2	819.16	1/2	460.00	1/2	101.07	1/2		1/2		1/2	
3/4	2,223.85	3/4	1,864.68	3/4	1,505.93	3/4	1,160.41	3/4	811.68	3/4	452.52	3/4	93.63	3/4		3/4		3/4	
4	2,216.36	4	1,857.20	4	1,498.73	4	1,153.23	4	804.19	4	445.03	4	86.21	4		4		4	
1/4	2,208.88	1/4	1,849.71	1/4	1,491.53	1/4	1,146.05	1/4	796.71	1/4	437.55	1/4	78.80	1/4		1/4		1/4	
1/2	2,201.40	1/2	1,842.23	1/2	1,484.33	1/2	1,138.86	1/2	789.23	1/2	430.07	1/2	71.39	1/2		1/2		1/2	
3/4	2,193.92	3/4	1,834.75	3/4	1,477.13	3/4	1,131.68	3/4	781.75	3/4	422.59	3/4	63.97	3/4		3/4		3/4	
5	2,186.43	5	1,827.26	5	1,469.93	5	1,124.50	5	774.26	5	415.10	5	57.02	5		5		5	
1/4	2,178.95	1/4	1,819.78	1/4	1,462.73	1/4	1,117.32	1/4	766.78	1/4	407.62	1/4	50.07	1/4		1/4		1/4	
1/2	2,171.47	1/2	1,812.30	1/2	1,455.53	1/2	1,110.14	1/2	759.30	1/2	400.14	1/2	43.11	1/2		1/2		1/2	
3/4	2,163.99	3/4	1,804.82	3/4	1,448.33	3/4	1,102.96	3/4	751.82	3/4	392.66	3/4	36.16	3/4		3/4		3/4	
6	2,156.50	6	1,797.33	6	1,441.13	6	1,095.78	6	744.33	6	385.17	6	30.86	6		6		6	
1/4	2,149.02	1/4	1,789.85	1/4	1,433.93	1/4	1,088.60	1/4	736.85	1/4	377.69	1/4	25.56	1/4		1/4		1/4	
1/2	2,141.54	1/2	1,782.37	1/2	1,426.73	1/2	1,081.42	1/2	729.37	1/2	370.21	1/2	20.26	1/2		1/2		1/2	
3/4	2,134.05	3/4	1,774.89	3/4	1,419.53	3/4	1,074.24	3/4	721.89	3/4	362.73	3/4	14.97	3/4		3/4		3/4	
7	2,126.57	7	1,767.40	7	1,412.33	7	1,067.06	7	714.40	7	355.24	7		7		7		7	
1/4	2,119.09	1/4	1,759.92	1/4	1,405.14	1/4	1,059.88	1/4	706.92	1/4	347.76	1/4		1/4		1/4		1/4	
1/2	2,111.61	1/2	1,752.44	1/2	1,397.94	1/2	1,052.70	1/2	699.44	1/2	340.28	1/2		1/2		1/2		1/2	
3/4	2,104.12	3/4	1,744.95	3/4	1,390.74	3/4	1,045.52	3/4	691.96	3/4	332.80	3/4		3/4		3/4		3/4	
8	2,096.64	8	1,737.47	8	1,383.54	8	1,038.34	8	684.47	8	325.31	8		8		8		8	
1/4	2,089.16	1/4	1,729.99	1/4	1,376.34	1/4	1,031.16	1/4	676.99	1/4	317.83	1/4		1/4		1/4		1/4	
1/2	2,081.68	1/2	1,722.51	1/2	1,369.14	1/2	1,023.98	1/2	669.51	1/2	310.35	1/2		1/2		1/2		1/2	
3/4	2,074.19	3/4	1,715.02	3/4	1,361.94	3/4	1,016.80	3/4	662.03	3/4	302.87	3/4		3/4		3/4		3/4	
9	2,066.71	9	1,707.54	9	1,354.74	9	1,009.62	9	654.54	9	295.38	9		9		9		9	
1/4	2,059.23	1/4	1,700.06	1/4	1,347.54	1/4	1,002.44	1/4	647.06	1/4	287.90	1/4		1/4		1/4		1/4	
1/2	2,051.75	1/2	1,692.58	1/2	1,340.34	1/2	995.26	1/2	639.58	1/2	280.42	1/2		1/2		1/2		1/2	
3/4	2,044.26	3/4	1,685.09	3/4	1,333.14	3/4	988.08	3/4	632.10	3/4	272.94	3/4		3/4		3/4		3/4	
10	2,036.78	10	1,677.61	10	1,325.94	10	980.90	10	624.61	10	265.45	10		10		10		10	
1/4	2,029.30	1/4	1,670.13	1/4	1,318.74	1/4	973.72	1/4	617.13	1/4	257.97	1/4		1/4		1/4		1/4	
1/2	2,021.81	1/2	1,662.64	1/2	1,311.54	1/2	966.54	1/2	609.65	1/2	250.49	1/2		1/2		1/2		1/2	
3/4	2,014.33	3/4	1,655.16	3/4	1,304.34	3/4	959.36	3/4	602.17	3/4	243.01	3/4		3/4		3/4		3/4	
11	2,006.85	11	1,647.68	11	1,297.14	11	952.18	11	594.68	11	235.52	11		11		11		11	
1/4	1,999.37	1/4	1,640.20	1/4	1,289.94	1/4	945.00	1/4	587.20	1/4	228.04	1/4		1/4		1/4		1/4	
1/2	1,991.88	1/2	1,632.71	1/2	1,282.74	1/2	937.82	1/2	579.72	1/2	220.56	1/2		1/2		1/2		1/2	
3/4	1,984.40	3/4	1,625.23	3/4	1,275.54	3/4	930.64	3/4	572.24	3/4	213.08	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2012 CL - SW
CALCULATED: 05/05/2012 CL
PRINTED: 05/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28191"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,793.72		4,476.45		4,152.75		3,813.91		3,460.42		3,102.52		2,743.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,788.60	1/4	4,469.87	1/4	4,145.85	1/4	3,806.69	1/4	3,452.97	1/4	3,095.03	1/4	2,735.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,783.49	1/2	4,463.28	1/2	4,138.94	1/2	3,799.47	1/2	3,445.52	1/2	3,087.54	1/2	2,728.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,777.14	3/4	4,456.67	3/4	4,132.01	3/4	3,792.22	3/4	3,438.06	3/4	3,080.06	3/4	2,720.71
1	1	1	1	1	1	1	4,770.79	1	4,450.06	1	4,125.09	1	3,784.98	1	3,430.61	1	3,072.57	1	2,713.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,764.45	1/4	4,443.45	1/4	4,118.16	1/4	3,777.73	1/4	3,423.15	1/4	3,065.08	1/4	2,705.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,758.10	1/2	4,436.84	1/2	4,111.23	1/2	3,770.49	1/2	3,415.70	1/2	3,057.60	1/2	2,698.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,750.87	3/4	4,430.20	3/4	4,104.28	3/4	3,763.22	3/4	3,408.24	3/4	3,050.11	3/4	2,690.76
2	2	2	2	2	2	2	4,743.63	2	4,423.57	2	4,097.33	2	3,755.95	2	3,400.79	2	3,042.63	2	2,683.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,736.40	1/4	4,416.93	1/4	4,090.38	1/4	3,748.68	1/4	3,393.34	1/4	3,035.14	1/4	2,675.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,729.16	1/2	4,410.29	1/2	4,083.43	1/2	3,741.41	1/2	3,385.88	1/2	3,027.65	1/2	2,668.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,721.71	3/4	4,403.63	3/4	4,076.45	3/4	3,734.12	3/4	3,378.43	3/4	3,020.17	3/4	2,660.82
3	3	3	3	3	3	3	4,714.26	3	4,396.96	3	4,069.47	3	3,726.82	3	3,370.97	3	3,012.68	3	2,653.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,706.80	1/4	4,390.30	1/4	4,062.49	1/4	3,719.53	1/4	3,363.52	1/4	3,005.19	1/4	2,645.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,699.35	1/2	4,383.64	1/2	4,055.51	1/2	3,712.24	1/2	3,356.07	1/2	2,997.71	1/2	2,638.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,692.29	3/4	4,376.95	3/4	4,048.50	3/4	3,704.91	3/4	3,348.61	3/4	2,990.22	3/4	2,630.87
4	4	4	4	4	4	4	4,685.23	4	4,370.26	4	4,041.50	4	3,697.59	4	3,341.16	4	2,982.73	4	2,623.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,678.18	1/4	4,363.57	1/4	4,034.49	1/4	3,690.27	1/4	3,333.70	1/4	2,975.25	1/4	2,615.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,671.12	1/2	4,356.87	1/2	4,027.49	1/2	3,682.95	1/2	3,326.25	1/2	2,967.76	1/2	2,608.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,664.72	3/4	4,350.16	3/4	4,020.45	3/4	3,675.60	3/4	3,318.79	3/4	2,960.28	3/4	2,600.93
5	5	5	5	5	5	5	4,658.32	5	4,343.44	5	4,013.42	5	3,668.25	5	3,311.34	5	2,952.79	5	2,593.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,651.92	1/4	4,336.73	1/4	4,006.39	1/4	3,660.91	1/4	3,303.89	1/4	2,945.30	1/4	2,585.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,645.51	1/2	4,330.01	1/2	3,999.36	1/2	3,653.56	1/2	3,296.43	1/2	2,937.82	1/2	2,578.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,639.09	3/4	4,323.26	3/4	3,992.30	3/4	3,646.19	3/4	3,288.98	3/4	2,930.33	3/4	2,570.98
6	6	6	6	6	6	6	4,632.66	6	4,316.52	6	3,985.24	6	3,638.81	6	3,281.52	6	2,922.84	6	2,563.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,626.23	1/4	4,309.78	1/4	3,978.18	1/4	3,631.44	1/4	3,274.07	1/4	2,915.36	1/4	2,556.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,619.80	1/2	4,303.03	1/2	3,971.12	1/2	3,624.06	1/2	3,266.62	1/2	2,907.87	1/2	2,548.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,613.34	3/4	4,296.26	3/4	3,964.04	3/4	3,616.66	3/4	3,259.16	3/4	2,900.38	3/4	2,541.04
7	7	7	7	7	7	7	4,606.89	7	4,289.49	7	3,956.95	7	3,609.26	7	3,251.71	7	2,892.90	7	2,533.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,600.43	1/4	4,282.72	1/4	3,949.87	1/4	3,601.86	1/4	3,244.25	1/4	2,885.41	1/4	2,526.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,593.98	1/2	4,275.95	1/2	3,942.78	1/2	3,594.46	1/2	3,236.80	1/2	2,877.92	1/2	2,518.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,587.50	3/4	4,269.16	3/4	3,935.67	3/4	3,587.03	3/4	3,229.34	3/4	2,870.44	3/4	2,511.09
8	8	8	8	8	8	8	4,581.01	8	4,262.36	8	3,928.56	8	3,579.61	8	3,221.89	8	2,862.95	8	2,503.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,574.53	1/4	4,255.56	1/4	3,921.44	1/4	3,572.18	1/4	3,214.44	1/4	2,855.47	1/4	2,496.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,568.05	1/2	4,248.76	1/2	3,914.33	1/2	3,564.75	1/2	3,206.98	1/2	2,847.98	1/2	2,488.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,561.54	3/4	4,241.94	3/4	3,907.19	3/4	3,557.30	3/4	3,199.53	3/4	2,840.49	3/4	2,481.15
9	9	9	9	9	9	9	4,555.03	9	4,235.12	9	3,900.05	9	3,549.86	9	3,192.07	9	2,833.01	9	2,473.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,548.52	1/4	4,228.29	1/4	3,892.92	1/4	3,542.41	1/4	3,184.62	1/4	2,825.52	1/4	2,466.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,542.01	1/2	4,221.47	1/2	3,885.78	1/2	3,534.97	1/2	3,177.16	1/2	2,818.03	1/2	2,458.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,535.48	3/4	4,214.62	3/4	3,878.61	3/4	3,527.51	3/4	3,169.71	3/4	2,810.55	3/4	2,451.20
10	10	10	10	10	10	10	4,528.94	10	4,207.77	10	3,871.45	10	3,520.06	10	3,162.26	10	2,803.06	10	2,443.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,522.41	1/4	4,200.92	1/4	3,864.28	1/4	3,512.60	1/4	3,154.80	1/4	2,795.57	1/4	2,436.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,515.87	1/2	4,194.07	1/2	3,857.12	1/2	3,505.15	1/2	3,147.35	1/2	2,788.09	1/2	2,428.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,509.31	3/4	4,187.19	3/4	3,849.92	3/4	3,497.70	3/4	3,139.88	3/4	2,780.60	3/4	2,421.25
11	11	11	11	11	11	11	4,502.75	11	4,180.31	11	3,842.73	11	3,490.24	11	3,132.42	11	2,773.12	11	2,413.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,496.19	1/4	4,173.44	1/4	3,835.54	1/4	3,482.79	1/4	3,124.95	1/4	2,765.63	1/4	2,406.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,489.62	1/2	4,166.56	1/2	3,828.34	1/2	3,475.33	1/2	3,117.49	1/2	2,758.14	1/2	2,398.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,483.04	3/4	4,159.66	3/4	3,821.13	3/4	3,467.88	3/4	3,110.00	3/4	2,750.66	3/4	2,391.31

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28191"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,383.82	0	2,024.48	0	1,665.13	0	1,305.78	0	946.72	0	587.48	0	228.15	0		0		0	
1/4	2,376.34	1/4	2,016.99	1/4	1,657.64	1/4	1,298.29	1/4	939.25	1/4	580.00	1/4	220.67	1/4	1/4	1/4		1/4	
1/2	2,368.85	1/2	2,009.50	1/2	1,650.16	1/2	1,290.81	1/2	931.77	1/2	572.51	1/2	213.18	1/2	1/2	1/2		1/2	
3/4	2,361.36	3/4	2,002.02	3/4	1,642.67	3/4	1,283.32	3/4	924.30	3/4	565.03	3/4	205.70	3/4	3/4	3/4		3/4	
1	2,353.88	1	1,994.53	1	1,635.18	1	1,275.84	1	916.82	1	557.54	1	198.21	1	1	1		1	
1/4	2,346.39	1/4	1,987.04	1/4	1,627.70	1/4	1,268.35	1/4	909.35	1/4	550.05	1/4	190.73	1/4	1/4	1/4		1/4	
1/2	2,338.90	1/2	1,979.56	1/2	1,620.21	1/2	1,260.86	1/2	901.87	1/2	542.57	1/2	183.24	1/2	1/2	1/2		1/2	
3/4	2,331.42	3/4	1,972.07	3/4	1,612.72	3/4	1,253.38	3/4	894.39	3/4	535.08	3/4	175.77	3/4	3/4	3/4		3/4	
2	2,323.93	2	1,964.58	2	1,605.24	2	1,245.89	2	886.92	2	527.59	2	168.29	2	2	2		2	
1/4	2,316.44	1/4	1,957.10	1/4	1,597.75	1/4	1,238.40	1/4	879.44	1/4	520.11	1/4	160.81	1/4	1/4	1/4		1/4	
1/2	2,308.96	1/2	1,949.61	1/2	1,590.26	1/2	1,230.92	1/2	871.96	1/2	512.62	1/2	153.33	1/2	1/2	1/2		1/2	
3/4	2,301.47	3/4	1,942.12	3/4	1,582.78	3/4	1,223.43	3/4	864.47	3/4	505.14	3/4	145.87	3/4	3/4	3/4		3/4	
3	2,293.99	3	1,934.64	3	1,575.29	3	1,215.94	3	856.98	3	497.65	3	138.40	3	3	3		3	
1/4	2,286.50	1/4	1,927.15	1/4	1,567.80	1/4	1,208.46	1/4	849.50	1/4	490.16	1/4	130.93	1/4	1/4	1/4		1/4	
1/2	2,279.01	1/2	1,919.67	1/2	1,560.32	1/2	1,200.97	1/2	842.01	1/2	482.68	1/2	123.47	1/2	1/2	1/2		1/2	
3/4	2,271.53	3/4	1,912.18	3/4	1,552.83	3/4	1,193.48	3/4	834.53	3/4	475.19	3/4	116.02	3/4	3/4	3/4		3/4	
4	2,264.04	4	1,904.69	4	1,545.35	4	1,186.00	4	827.04	4	467.71	4	108.57	4	4	4		4	
1/4	2,256.55	1/4	1,897.21	1/4	1,537.86	1/4	1,178.51	1/4	819.55	1/4	460.22	1/4	101.12	1/4	1/4	1/4		1/4	
1/2	2,249.07	1/2	1,889.72	1/2	1,530.37	1/2	1,171.03	1/2	812.07	1/2	452.73	1/2	93.67	1/2	1/2	1/2		1/2	
3/4	2,241.58	3/4	1,882.23	3/4	1,522.89	3/4	1,163.54	3/4	804.58	3/4	445.25	3/4	86.26	3/4	3/4	3/4		3/4	
5	2,234.09	5	1,874.75	5	1,515.40	5	1,156.05	5	797.09	5	437.76	5	78.84	5	5	5		5	
1/4	2,226.61	1/4	1,867.26	1/4	1,507.91	1/4	1,148.57	1/4	789.61	1/4	430.28	1/4	71.42	1/4	1/4	1/4		1/4	
1/2	2,219.12	1/2	1,859.77	1/2	1,500.43	1/2	1,141.08	1/2	782.12	1/2	422.79	1/2	64.00	1/2	1/2	1/2		1/2	
3/4	2,211.64	3/4	1,852.29	3/4	1,492.94	3/4	1,133.60	3/4	774.64	3/4	415.30	3/4	57.05	3/4	3/4	3/4		3/4	
6	2,204.15	6	1,844.80	6	1,485.45	6	1,126.12	6	767.15	6	407.82	6	50.09	6	6	6		6	
1/4	2,196.66	1/4	1,837.32	1/4	1,477.97	1/4	1,118.63	1/4	759.66	1/4	400.33	1/4	43.13	1/4	1/4	1/4		1/4	
1/2	2,189.18	1/2	1,829.83	1/2	1,470.48	1/2	1,111.15	1/2	752.18	1/2	392.85	1/2	36.17	1/2	1/2	1/2		1/2	
3/4	2,181.69	3/4	1,822.34	3/4	1,463.00	3/4	1,103.68	3/4	744.69	3/4	385.36	3/4	30.87	3/4	3/4	3/4		3/4	
7	2,174.20	7	1,814.86	7	1,455.51	7	1,096.20	7	737.21	7	377.87	7	25.57	7	7	7		7	
1/4	2,166.72	1/4	1,807.37	1/4	1,448.02	1/4	1,088.73	1/4	729.72	1/4	370.39	1/4	20.27	1/4	1/4	1/4		1/4	
1/2	2,159.23	1/2	1,799.88	1/2	1,440.54	1/2	1,081.26	1/2	722.23	1/2	362.90	1/2	14.97	1/2	1/2	1/2		1/2	
3/4	2,151.74	3/4	1,792.40	3/4	1,433.05	3/4	1,073.78	3/4	714.75	3/4	355.41	3/4		3/4	3/4	3/4		3/4	
8	2,144.26	8	1,784.91	8	1,425.56	8	1,066.31	8	707.26	8	347.93	8		8	8	8		8	
1/4	2,136.77	1/4	1,777.42	1/4	1,418.08	1/4	1,058.83	1/4	699.78	1/4	340.44	1/4		1/4	1/4	1/4		1/4	
1/2	2,129.28	1/2	1,769.94	1/2	1,410.59	1/2	1,051.36	1/2	692.29	1/2	332.96	1/2		1/2	1/2	1/2		1/2	
3/4	2,121.80	3/4	1,762.45	3/4	1,403.10	3/4	1,043.88	3/4	684.80	3/4	325.47	3/4		3/4	3/4	3/4		3/4	
9	2,114.31	9	1,754.96	9	1,395.62	9	1,036.41	9	677.32	9	317.98	9		9	9	9		9	
1/4	2,106.83	1/4	1,747.48	1/4	1,388.13	1/4	1,028.94	1/4	669.83	1/4	310.50	1/4		1/4	1/4	1/4		1/4	
1/2	2,099.34	1/2	1,739.99	1/2	1,380.64	1/2	1,021.46	1/2	662.34	1/2	303.01	1/2		1/2	1/2	1/2		1/2	
3/4	2,091.85	3/4	1,732.51	3/4	1,373.16	3/4	1,013.99	3/4	654.86	3/4	295.53	3/4		3/4	3/4	3/4		3/4	
10	2,084.37	10	1,725.02	10	1,365.67	10	1,006.51	10	647.37	10	288.04	10		10	10	10		10	
1/4	2,076.88	1/4	1,717.53	1/4	1,358.19	1/4	999.04	1/4	639.89	1/4	280.55	1/4		1/4	1/4	1/4		1/4	
1/2	2,069.39	1/2	1,710.05	1/2	1,350.70	1/2	991.57	1/2	632.40	1/2	273.07	1/2		1/2	1/2	1/2		1/2	
3/4	2,061.91	3/4	1,702.56	3/4	1,343.21	3/4	984.09	3/4	624.91	3/4	265.58	3/4		3/4	3/4	3/4		3/4	
11	2,054.42	11	1,695.07	11	1,335.73	11	976.62	11	617.43	11	258.10	11		11	11	11		11	
1/4	2,046.93	1/4	1,687.59	1/4	1,328.24	1/4	969.14	1/4	609.94	1/4	250.61	1/4		1/4	1/4	1/4		1/4	
1/2	2,039.45	1/2	1,680.10	1/2	1,320.75	1/2	961.67	1/2	602.46	1/2	243.12	1/2		1/2	1/2	1/2		1/2	
3/4	2,031.96	3/4	1,672.61	3/4	1,313.27	3/4	954.19	3/4	594.97	3/4	235.64	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2012 CL - SW
CALCULATED: 05/05/2012 CL
PRINTED: 05/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

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



BARGE "KIRBY 28191"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,349.43		4,107.73		3,860.75		3,601.79		3,331.23		2,975.32		2,618.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,345.27	1/4	4,102.70	1/4	3,855.47	1/4	3,596.26	1/4	3,323.80	1/4	2,967.89	1/4	2,611.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,341.12	1/2	4,097.67	1/2	3,850.19	1/2	3,590.72	1/2	3,316.37	1/2	2,960.46	1/2	2,603.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,336.97	3/4	4,092.65	3/4	3,844.91	3/4	3,585.19	3/4	3,308.94	3/4	2,953.04	3/4	2,596.50
1	1	1	1	1	1	1	4,332.82	1	4,087.62	1	3,839.63	1	3,579.66	1	3,301.51	1	2,945.61	1	2,589.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,327.46	1/4	4,082.57	1/4	3,834.33	1/4	3,574.10	1/4	3,294.08	1/4	2,938.18	1/4	2,581.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,322.10	1/2	4,077.51	1/2	3,829.03	1/2	3,568.55	1/2	3,286.65	1/2	2,930.75	1/2	2,574.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,316.74	3/4	4,072.46	3/4	3,823.73	3/4	3,563.00	3/4	3,279.22	3/4	2,923.32	3/4	2,566.79
2	2	2	2	2	2	2	4,311.39	2	4,067.41	2	3,818.43	2	3,557.45	2	3,271.79	2	2,915.90	2	2,559.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,305.68	1/4	4,062.34	1/4	3,813.11	1/4	3,551.88	1/4	3,264.35	1/4	2,908.47	1/4	2,551.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,299.97	1/2	4,057.27	1/2	3,807.79	1/2	3,546.31	1/2	3,256.92	1/2	2,901.04	1/2	2,544.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,294.27	3/4	4,052.20	3/4	3,802.46	3/4	3,540.74	3/4	3,249.49	3/4	2,893.61	3/4	2,537.08
3	3	3	3	3	3	3	4,288.56	3	4,047.13	3	3,797.14	3	3,535.17	3	3,242.06	3	2,886.19	3	2,529.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,282.86	1/4	4,042.04	1/4	3,791.80	1/4	3,529.58	1/4	3,234.63	1/4	2,878.76	1/4	2,522.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,277.15	1/2	4,036.94	1/2	3,786.46	1/2	3,523.98	1/2	3,227.20	1/2	2,871.33	1/2	2,514.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,271.44	3/4	4,031.85	3/4	3,781.12	3/4	3,518.39	3/4	3,219.77	3/4	2,863.90	3/4	2,507.37
4	4	4	4	4	4	4	4,265.74	4	4,026.76	4	3,775.78	4	3,512.80	4	3,212.34	4	2,856.47	4	2,499.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,260.87	1/4	4,021.64	1/4	3,770.41	1/4	3,507.19	1/4	3,204.93	1/4	2,849.05	1/4	2,492.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,256.01	1/2	4,016.53	1/2	3,765.05	1/2	3,501.57	1/2	3,197.53	1/2	2,841.62	1/2	2,485.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,251.14	3/4	4,011.42	3/4	3,759.68	3/4	3,495.96	3/4	3,190.13	3/4	2,834.19	3/4	2,477.66
5	5	5	5	5	5	5	4,246.28	5	4,006.31	5	3,754.32	5	3,490.35	5	3,182.72	5	2,826.76	5	2,470.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,241.39	1/4	4,001.17	1/4	3,748.93	1/4	3,484.72	1/4	3,175.32	1/4	2,819.34	1/4	2,462.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,236.51	1/2	3,996.04	1/2	3,743.55	1/2	3,479.08	1/2	3,167.91	1/2	2,811.91	1/2	2,455.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,231.63	3/4	3,990.90	3/4	3,738.17	3/4	3,473.44	3/4	3,160.51	3/4	2,804.48	3/4	2,447.95
6	6	6	6	6	6	6	4,226.75	6	3,985.76	6	3,732.79	6	3,467.81	6	3,153.11	6	2,797.05	6	2,440.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,221.84	1/4	3,980.61	1/4	3,727.38	1/4	3,462.16	1/4	3,145.70	1/4	2,789.62	1/4	2,433.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,216.93	1/2	3,975.46	1/2	3,721.97	1/2	3,456.50	1/2	3,138.30	1/2	2,782.20	1/2	2,425.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,212.02	3/4	3,970.30	3/4	3,716.57	3/4	3,450.85	3/4	3,130.90	3/4	2,774.77	3/4	2,418.23
7	7	7	7	7	7	7	4,207.11	7	3,965.15	7	3,711.16	7	3,445.19	7	3,123.49	7	2,767.34	7	2,410.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,202.19	1/4	3,959.97	1/4	3,705.74	1/4	3,439.52	1/4	3,116.09	1/4	2,759.91	1/4	2,403.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,197.26	1/2	3,954.79	1/2	3,700.31	1/2	3,433.84	1/2	3,108.68	1/2	2,752.49	1/2	2,395.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,192.34	3/4	3,949.61	3/4	3,694.89	3/4	3,428.16	3/4	3,101.28	3/4	2,745.06	3/4	2,388.52
8	8	8	8	8	8	8	4,187.41	8	3,944.43	8	3,689.46	8	3,422.48	8	3,093.88	8	2,737.63	8	2,381.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,182.46	1/4	3,939.24	1/4	3,684.01	1/4	3,416.79	1/4	3,086.47	1/4	2,730.20	1/4	2,373.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,177.51	1/2	3,934.04	1/2	3,678.56	1/2	3,411.09	1/2	3,079.07	1/2	2,722.77	1/2	2,366.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,172.56	3/4	3,928.84	3/4	3,673.11	3/4	3,405.40	3/4	3,071.66	3/4	2,715.35	3/4	2,358.81
9	9	9	9	9	9	9	4,167.61	9	3,923.65	9	3,667.67	9	3,399.70	9	3,064.26	9	2,707.92	9	2,351.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,162.64	1/4	3,918.43	1/4	3,662.20	1/4	3,393.99	1/4	3,056.86	1/4	2,700.49	1/4	2,343.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,157.68	1/2	3,913.20	1/2	3,656.73	1/2	3,388.29	1/2	3,049.45	1/2	2,693.06	1/2	2,336.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,152.71	3/4	3,907.98	3/4	3,651.26	3/4	3,382.58	3/4	3,042.05	3/4	2,685.64	3/4	2,329.10
10	10	10	10	10	10	10	4,147.74	10	3,902.76	10	3,645.80	10	3,376.88	10	3,034.65	10	2,678.21	10	2,321.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,142.75	1/4	3,897.52	1/4	3,640.31	1/4	3,371.17	1/4	3,027.24	1/4	2,670.78	1/4	2,314.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,137.76	1/2	3,892.28	1/2	3,634.81	1/2	3,365.47	1/2	3,019.84	1/2	2,663.35	1/2	2,306.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,132.76	3/4	3,887.05	3/4	3,629.32	3/4	3,359.76	3/4	3,012.43	3/4	2,655.92	3/4	2,299.38
11	11	11	11	11	11	11	4,367.97	11	4,127.77	11	3,881.81	11	3,623.83	11	3,354.06	11	3,005.03	11	2,648.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,363.33	1/4	4,122.76	1/4	3,876.54	1/4	3,618.32	1/4	3,348.35	1/4	2,997.60	1/4	2,641.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,358.70	1/2	4,117.75	1/2	3,871.28	1/2	3,612.81	1/2	3,342.64	1/2	2,990.18	1/2	2,633.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,354.06	3/4	4,112.74	3/4	3,866.02	3/4	3,607.30	3/4	3,336.94	3/4	2,982.75	3/4	2,626.21

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 28191"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,262.24	0	1,905.23	0	1,549.26	0	1,193.09	0	848.26	0	491.13	0	133.83	0		0		0	
1/4	2,254.81	1/4	1,897.81	1/4	1,541.81	1/4	1,185.92	1/4	840.84	1/4	483.69	1/4	126.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,247.39	1/2	1,890.40	1/2	1,534.37	1/2	1,178.75	1/2	833.41	1/2	476.24	1/2	118.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,239.96	3/4	1,882.98	3/4	1,526.93	3/4	1,171.57	3/4	825.99	3/4	468.80	3/4	111.50	3/4	3/4	3/4	3/4	3/4	3/4
1	2,232.53	1	1,875.57	1	1,519.49	1	1,164.40	1	818.57	1	461.35	1	104.06	1	1	1	1	1	1
1/4	2,225.10	1/4	1,868.15	1/4	1,512.05	1/4	1,157.22	1/4	811.15	1/4	453.91	1/4	96.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,217.67	1/2	1,860.73	1/2	1,504.60	1/2	1,150.05	1/2	803.72	1/2	446.47	1/2	89.80	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,210.24	3/4	1,853.32	3/4	1,497.16	3/4	1,142.87	3/4	796.30	3/4	439.02	3/4	82.67	3/4	3/4	3/4	3/4	3/4	3/4
2	2,202.82	2	1,845.90	2	1,489.72	2	1,135.70	2	788.88	2	431.58	2	75.55	2	2	2	2	2	2
1/4	2,195.39	1/4	1,838.48	1/4	1,482.28	1/4	1,128.53	1/4	781.43	1/4	424.14	1/4	69.36	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,187.96	1/2	1,831.07	1/2	1,474.83	1/2	1,121.35	1/2	773.99	1/2	416.69	1/2	63.17	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,180.53	3/4	1,823.65	3/4	1,467.39	3/4	1,114.18	3/4	766.55	3/4	409.25	3/4	56.98	3/4	3/4	3/4	3/4	3/4	3/4
3	2,173.10	3	1,816.24	3	1,459.95	3	1,107.00	3	759.10	3	401.81	3	50.80	3	3	3	3	3	3
1/4	2,165.67	1/4	1,808.82	1/4	1,452.51	1/4	1,099.83	1/4	751.66	1/4	394.36	1/4	45.87	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,158.25	1/2	1,801.40	1/2	1,445.06	1/2	1,092.65	1/2	744.22	1/2	386.92	1/2	40.93	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,150.82	3/4	1,793.99	3/4	1,437.62	3/4	1,085.48	3/4	736.77	3/4	379.47	3/4	36.00	3/4	3/4	3/4	3/4	3/4	3/4
4	2,143.39	4	1,786.57	4	1,430.18	4	1,078.31	4	729.33	4	372.03	4	31.07	4	4	4	4	4	4
1/4	2,135.95	1/4	1,779.16	1/4	1,422.74	1/4	1,071.15	1/4	721.88	1/4	364.59	1/4	27.41	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,128.50	1/2	1,771.74	1/2	1,415.29	1/2	1,063.98	1/2	714.44	1/2	357.14	1/2	23.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,121.06	3/4	1,764.32	3/4	1,407.85	3/4	1,056.82	3/4	707.00	3/4	349.70	3/4	20.07	3/4	3/4	3/4	3/4	3/4	3/4
5	2,113.62	5	1,756.91	5	1,400.41	5	1,049.66	5	699.55	5	342.26	5	16.40	5	5	5	5	5	5
1/4	2,106.18	1/4	1,749.49	1/4	1,392.97	1/4	1,042.50	1/4	692.11	1/4	334.81	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,098.73	1/2	1,742.08	1/2	1,385.52	1/2	1,035.34	1/2	684.67	1/2	327.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,091.29	3/4	1,734.66	3/4	1,378.08	3/4	1,028.18	3/4	677.22	3/4	319.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,083.85	6	1,727.24	6	1,370.64	6	1,021.02	6	669.78	6	312.48	6		6	6	6	6	6	6
1/4	2,076.41	1/4	1,719.83	1/4	1,363.20	1/4	1,013.87	1/4	662.33	1/4	305.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,068.96	1/2	1,712.41	1/2	1,355.75	1/2	1,006.71	1/2	654.89	1/2	297.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,061.52	3/4	1,705.00	3/4	1,348.31	3/4	999.55	3/4	647.45	3/4	290.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,054.08	7	1,697.58	7	1,340.87	7	992.40	7	640.00	7	282.71	7		7	7	7	7	7	7
1/4	2,046.64	1/4	1,690.16	1/4	1,333.43	1/4	985.24	1/4	632.56	1/4	275.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,039.19	1/2	1,682.75	1/2	1,325.99	1/2	978.09	1/2	625.12	1/2	267.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,031.75	3/4	1,675.33	3/4	1,318.54	3/4	970.94	3/4	617.67	3/4	260.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,024.31	8	1,667.91	8	1,311.10	8	963.78	8	610.23	8	252.93	8		8	8	8	8	8	8
1/4	2,016.87	1/4	1,660.50	1/4	1,303.66	1/4	956.63	1/4	602.78	1/4	245.49	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,009.42	1/2	1,653.08	1/2	1,296.22	1/2	949.48	1/2	595.34	1/2	238.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,001.98	3/4	1,645.67	3/4	1,288.77	3/4	942.33	3/4	587.90	3/4	230.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,994.54	9	1,638.25	9	1,281.33	9	935.17	9	580.45	9	223.16	9		9	9	9	9	9	9
1/4	1,987.10	1/4	1,630.83	1/4	1,273.89	1/4	928.02	1/4	573.01	1/4	215.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,979.65	1/2	1,623.42	1/2	1,266.45	1/2	920.87	1/2	565.57	1/2	208.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,972.21	3/4	1,616.00	3/4	1,259.00	3/4	913.71	3/4	558.12	3/4	200.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,964.77	10	1,608.59	10	1,251.56	10	906.56	10	550.68	10	193.38	10		10	10	10	10	10	10
1/4	1,957.33	1/4	1,601.17	1/4	1,244.12	1/4	899.41	1/4	543.24	1/4	185.94	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,949.88	1/2	1,593.75	1/2	1,236.68	1/2	892.25	1/2	535.79	1/2	178.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,942.44	3/4	1,586.34	3/4	1,229.23	3/4	885.10	3/4	528.35	3/4	171.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,935.00	11	1,578.92	11	1,221.79	11	877.95	11	520.90	11	163.61	11		11	11	11	11	11	11
1/4	1,927.56	1/4	1,571.51	1/4	1,214.32	1/4	870.53	1/4	513.46	1/4	156.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,920.11	1/2	1,564.09	1/2	1,207.44	1/2	863.10	1/2	506.02	1/2	148.72	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,912.67	3/4	1,556.67	3/4	1,200.27	3/4	855.68	3/4	498.57	3/4	141.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2012 CL - SW
CALCULATED: 05/05/2012 CL
PRINTED: 05/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

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



BARGE "KIRBY 28191"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,380.92	0	4,138.50	0	3,890.67	0	3,630.85	0	3,359.35	0	3,003.30	0	2,645.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,376.26	1/4	4,133.46	1/4	3,885.39	1/4	3,625.32	1/4	3,353.62	1/4	2,995.84	1/4	2,638.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,372.08	1/2	4,128.41	1/2	3,880.08	1/2	3,619.76	1/2	3,346.17	1/2	2,988.39	1/2	2,630.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,367.91	3/4	4,123.36	3/4	3,874.78	3/4	3,614.20	3/4	3,338.71	3/4	2,980.94	3/4	2,623.16		
1		1		1		1	4,363.73	1	4,118.31	1	3,869.47	1	3,608.65	1	3,331.26	1	2,973.48	1	2,615.70		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,359.56	1/4	4,113.26	1/4	3,864.17	1/4	3,603.09	1/4	3,323.81	1/4	2,966.03	1/4	2,608.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,354.18	1/2	4,108.19	1/2	3,858.85	1/2	3,597.51	1/2	3,316.35	1/2	2,958.57	1/2	2,600.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,348.80	3/4	4,103.11	3/4	3,853.53	3/4	3,591.94	3/4	3,308.90	3/4	2,951.12	3/4	2,593.34		
2		2		2		2	4,343.42	2	4,098.04	2	3,848.21	2	3,586.36	2	3,301.45	2	2,943.67	2	2,585.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,338.04	1/4	4,092.96	1/4	3,842.88	1/4	3,580.79	1/4	3,293.99	1/4	2,936.21	1/4	2,578.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,332.31	1/2	4,087.87	1/2	3,837.54	1/2	3,575.20	1/2	3,286.54	1/2	2,928.76	1/2	2,570.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,326.58	3/4	4,082.78	3/4	3,832.19	3/4	3,569.60	3/4	3,279.08	3/4	2,921.31	3/4	2,563.53		
3		3		3		3	4,320.85	3	4,077.68	3	3,826.85	3	3,564.01	3	3,271.63	3	2,913.85	3	2,556.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,315.12	1/4	4,072.59	1/4	3,821.50	1/4	3,558.42	1/4	3,264.18	1/4	2,906.40	1/4	2,548.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,309.39	1/2	4,067.47	1/2	3,816.14	1/2	3,552.80	1/2	3,256.72	1/2	2,898.95	1/2	2,541.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,303.66	3/4	4,062.36	3/4	3,810.77	3/4	3,547.18	3/4	3,249.27	3/4	2,891.49	3/4	2,533.71		
4		4		4		4	4,297.93	4	4,057.24	4	3,805.41	4	3,541.57	4	3,241.82	4	2,884.04	4	2,526.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,292.21	1/4	4,052.12	1/4	3,800.04	1/4	3,535.95	1/4	3,234.36	1/4	2,876.58	1/4	2,518.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,287.32	1/2	4,046.99	1/2	3,794.66	1/2	3,530.32	1/2	3,226.91	1/2	2,869.13	1/2	2,511.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,282.43	3/4	4,041.85	3/4	3,789.27	3/4	3,524.68	3/4	3,219.45	3/4	2,861.68	3/4	2,503.90		
5		5		5		5	4,277.54	5	4,036.72	5	3,783.88	5	3,519.05	5	3,212.00	5	2,854.22	5	2,496.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,272.65	1/4	4,031.58	1/4	3,778.49	1/4	3,513.41	1/4	3,204.55	1/4	2,846.77	1/4	2,488.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,267.75	1/2	4,026.42	1/2	3,773.09	1/2	3,507.75	1/2	3,197.09	1/2	2,839.32	1/2	2,481.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,262.84	3/4	4,021.26	3/4	3,767.68	3/4	3,502.09	3/4	3,189.64	3/4	2,831.86	3/4	2,474.08		
6		6		6		6	4,257.94	6	4,016.11	6	3,762.28	6	3,496.43	6	3,182.19	6	2,824.41	6	2,466.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,253.03	1/4	4,010.95	1/4	3,756.87	1/4	3,490.78	1/4	3,174.73	1/4	2,816.95	1/4	2,459.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,248.10	1/2	4,005.77	1/2	3,751.44	1/2	3,485.10	1/2	3,167.28	1/2	2,809.50	1/2	2,451.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,243.17	3/4	4,000.59	3/4	3,746.01	3/4	3,479.42	3/4	3,159.82	3/4	2,802.05	3/4	2,444.27		
7		7		7		7	4,238.24	7	3,995.42	7	3,740.58	7	3,473.74	7	3,152.37	7	2,794.59	7	2,436.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,233.31	1/4	3,990.24	1/4	3,735.15	1/4	3,468.07	1/4	3,144.92	1/4	2,787.14	1/4	2,429.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,228.36	1/2	3,985.04	1/2	3,729.70	1/2	3,462.37	1/2	3,137.46	1/2	2,779.69	1/2	2,421.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,223.41	3/4	3,979.84	3/4	3,724.25	3/4	3,456.67	3/4	3,130.01	3/4	2,772.23	3/4	2,414.45		
8		8		8		8	4,218.46	8	3,974.63	8	3,718.81	8	3,450.97	8	3,122.56	8	2,764.78	8	2,407.00		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,213.51	1/4	3,969.43	1/4	3,713.36	1/4	3,445.26	1/4	3,115.10	1/4	2,757.33	1/4	2,399.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,208.54	1/2	3,964.21	1/2	3,707.89	1/2	3,439.55	1/2	3,107.65	1/2	2,749.87	1/2	2,392.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,203.57	3/4	3,958.99	3/4	3,702.41	3/4	3,433.83	3/4	3,100.20	3/4	2,742.42	3/4	2,384.64		
9		9		9		9	4,198.59	9	3,953.77	9	3,696.94	9	3,428.11	9	3,092.74	9	2,734.96	9	2,377.19		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,193.62	1/4	3,948.56	1/4	3,691.47	1/4	3,422.39	1/4	3,085.29	1/4	2,727.51	1/4	2,369.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,188.63	1/2	3,943.31	1/2	3,685.98	1/2	3,416.66	1/2	3,077.83	1/2	2,720.06	1/2	2,362.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,183.64	3/4	3,938.07	3/4	3,680.49	3/4	3,410.93	3/4	3,070.38	3/4	2,712.60	3/4	2,354.83		
10		10		10		10	4,178.65	10	3,932.82	10	3,675.00	10	3,405.20	10	3,062.93	10	2,705.15	10	2,347.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,173.66	1/4	3,927.58	1/4	3,669.51	1/4	3,399.47	1/4	3,055.47	1/4	2,697.70	1/4	2,339.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,168.64	1/2	3,922.32	1/2	3,663.99	1/2	3,393.73	1/2	3,048.02	1/2	2,690.24	1/2	2,332.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,163.63	3/4	3,917.06	3/4	3,658.48	3/4	3,388.00	3/4	3,040.57	3/4	2,682.79	3/4	2,325.01		
11		11		11		11	4,158.61	11	3,911.79	11	3,652.96	11	3,382.27	11	3,033.11	11	2,675.33	11	2,317.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,394.90	1/4	4,153.59	1/4	3,906.53	1/4	3,647.45	1/4	3,376.54	1/4	3,025.66	1/4	2,667.88	1/4	2,310.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,390.24	1/2	4,148.56	1/2	3,901.25	1/2	3,641.92	1/2	3,370.81	1/2	3,018.20	1/2	2,660.43	1/2	2,302.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,385.58	3/4	4,143.53	3/4	3,895.96	3/4	3,636.38	3/4	3,365.08	3/4	3,010.75	3/4	2,652.97	3/4	2,295.20

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28191"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,287.74		1,929.96		1,572.19		1,214.41		856.91		499.24		141.47								
1/4	2,280.29	1/4	1,922.51	1/4	1,564.73	1/4	1,206.96	1/4	849.46	1/4	491.79	1/4	134.02	1/4		1/4		1/4			
1/2	2,272.83	1/2	1,915.06	1/2	1,557.28	1/2	1,199.50	1/2	842.02	1/2	484.34	1/2	126.57	1/2		1/2		1/2			
3/4	2,265.38	3/4	1,907.60	3/4	1,549.83	3/4	1,192.05	3/4	834.58	3/4	476.88	3/4	119.12	3/4		3/4		3/4			
1	2,257.93	1	1,900.15	1	1,542.37	1	1,184.59	1	827.14	1	469.43	1	111.66	1		1		1			
1/4	2,250.47	1/4	1,892.70	1/4	1,534.92	1/4	1,177.14	1/4	819.70	1/4	461.98	1/4	104.21	1/4		1/4		1/4			
1/2	2,243.02	1/2	1,885.24	1/2	1,527.46	1/2	1,169.69	1/2	812.25	1/2	454.52	1/2	97.07	1/2		1/2		1/2			
3/4	2,235.57	3/4	1,877.79	3/4	1,520.01	3/4	1,162.23	3/4	804.81	3/4	447.07	3/4	89.93	3/4		3/4		3/4			
2	2,228.11	2	1,870.33	2	1,512.56	2	1,154.78	2	797.37	2	439.61	2	82.79	2		2		2			
1/4	2,220.66	1/4	1,862.88	1/4	1,505.10	1/4	1,147.33	1/4	789.93	1/4	432.16	1/4	75.66	1/4		1/4		1/4			
1/2	2,213.20	1/2	1,855.43	1/2	1,497.65	1/2	1,139.87	1/2	782.48	1/2	424.71	1/2	69.46	1/2		1/2		1/2			
3/4	2,205.75	3/4	1,847.97	3/4	1,490.20	3/4	1,132.42	3/4	775.02	3/4	417.25	3/4	63.26	3/4		3/4		3/4			
3	2,198.30	3	1,840.52	3	1,482.74	3	1,124.96	3	767.57	3	409.80	3	57.06	3		3		3			
1/4	2,190.84	1/4	1,833.07	1/4	1,475.29	1/4	1,117.51	1/4	760.12	1/4	402.35	1/4	50.87	1/4		1/4		1/4			
1/2	2,183.39	1/2	1,825.61	1/2	1,467.83	1/2	1,110.06	1/2	752.66	1/2	394.89	1/2	45.92	1/2		1/2		1/2			
3/4	2,175.94	3/4	1,818.16	3/4	1,460.38	3/4	1,102.60	3/4	745.21	3/4	387.44	3/4	40.98	3/4		3/4		3/4			
4	2,168.48	4	1,810.71	4	1,452.93	4	1,095.15	4	737.75	4	379.99	4	36.04	4		4		4			
1/4	2,161.03	1/4	1,803.25	1/4	1,445.47	1/4	1,087.70	1/4	730.30	1/4	372.53	1/4	31.10	1/4		1/4		1/4			
1/2	2,153.58	1/2	1,795.80	1/2	1,438.02	1/2	1,080.24	1/2	722.85	1/2	365.08	1/2	27.43	1/2		1/2		1/2			
3/4	2,146.12	3/4	1,788.34	3/4	1,430.57	3/4	1,072.79	3/4	715.39	3/4	357.63	3/4	23.75	3/4		3/4		3/4			
5	2,138.67	5	1,780.89	5	1,423.11	5	1,065.34	5	707.94	5	350.17	5	20.07	5		5		5			
1/4	2,131.21	1/4	1,773.44	1/4	1,415.66	1/4	1,057.88	1/4	700.49	1/4	342.72	1/4	16.40	1/4		1/4		1/4			
1/2	2,123.76	1/2	1,765.98	1/2	1,408.21	1/2	1,050.43	1/2	693.03	1/2	335.27	1/2		1/2		1/2		1/2			
3/4	2,116.31	3/4	1,758.53	3/4	1,400.75	3/4	1,042.97	3/4	685.58	3/4	327.81	3/4		3/4		3/4		3/4			
6	2,108.85	6	1,751.08	6	1,393.30	6	1,035.52	6	678.13	6	320.36	6		6		6		6			
1/4	2,101.40	1/4	1,743.62	1/4	1,385.84	1/4	1,028.07	1/4	670.67	1/4	312.91	1/4		1/4		1/4		1/4			
1/2	2,093.95	1/2	1,736.17	1/2	1,378.39	1/2	1,020.62	1/2	663.22	1/2	305.45	1/2		1/2		1/2		1/2			
3/4	2,086.49	3/4	1,728.71	3/4	1,370.94	3/4	1,013.18	3/4	655.77	3/4	298.00	3/4		3/4		3/4		3/4			
7	2,079.04	7	1,721.26	7	1,363.48	7	1,005.74	7	648.31	7	290.54	7		7		7		7			
1/4	2,071.58	1/4	1,713.81	1/4	1,356.03	1/4	998.30	1/4	640.86	1/4	283.09	1/4		1/4		1/4		1/4			
1/2	2,064.13	1/2	1,706.35	1/2	1,348.58	1/2	990.86	1/2	633.41	1/2	275.64	1/2		1/2		1/2		1/2			
3/4	2,056.68	3/4	1,698.90	3/4	1,341.12	3/4	983.42	3/4	625.95	3/4	268.18	3/4		3/4		3/4		3/4			
8	2,049.22	8	1,691.45	8	1,333.67	8	975.97	8	618.50	8	260.73	8		8		8		8			
1/4	2,041.77	1/4	1,683.99	1/4	1,326.21	1/4	968.53	1/4	611.05	1/4	253.28	1/4		1/4		1/4		1/4			
1/2	2,034.32	1/2	1,676.54	1/2	1,318.76	1/2	961.09	1/2	603.59	1/2	245.82	1/2		1/2		1/2		1/2			
3/4	2,026.86	3/4	1,669.08	3/4	1,311.31	3/4	953.65	3/4	596.14	3/4	238.37	3/4		3/4		3/4		3/4			
9	2,019.41	9	1,661.63	9	1,303.85	9	946.21	9	588.68	9	230.92	9		9		9		9			
1/4	2,011.96	1/4	1,654.18	1/4	1,296.40	1/4	938.77	1/4	581.23	1/4	223.46	1/4		1/4		1/4		1/4			
1/2	2,004.50	1/2	1,646.72	1/2	1,288.95	1/2	931.32	1/2	573.78	1/2	216.01	1/2		1/2		1/2		1/2			
3/4	1,997.05	3/4	1,639.27	3/4	1,281.49	3/4	923.88	3/4	566.32	3/4	208.56	3/4		3/4		3/4		3/4			
10	1,989.59	10	1,631.82	10	1,274.04	10	916.44	10	558.87	10	201.10	10		10		10		10			
1/4	1,982.14	1/4	1,624.36	1/4	1,266.59	1/4	909.00	1/4	551.42	1/4	193.65	1/4		1/4		1/4		1/4			
1/2	1,974.69	1/2	1,616.91	1/2	1,259.13	1/2	901.56	1/2	543.96	1/2	186.20	1/2		1/2		1/2		1/2			
3/4	1,967.23	3/4	1,609.46	3/4	1,251.68	3/4	894.11	3/4	536.51	3/4	178.74	3/4		3/4		3/4		3/4			
11	1,959.78	11	1,602.00	11	1,244.22	11	886.67	11	529.06	11	171.29	11		11		11		11			
1/4	1,952.33	1/4	1,594.55	1/4	1,236.77	1/4	879.23	1/4	521.60	1/4	163.84	1/4		1/4		1/4		1/4			
1/2	1,944.87	1/2	1,587.09	1/2	1,229.32	1/2	871.79	1/2	514.15	1/2	156.38	1/2		1/2		1/2		1/2			
3/4	1,937.42	3/4	1,579.64	3/4	1,221.86	3/4	864.35	3/4	506.70	3/4	148.93	3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2012 CL - SW
CALCULATED: 05/05/2012 CL
PRINTED: 05/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

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