



BARGE "KIRBY 28168"

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

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

LENGTH BETWEEN DRAFT MARKS: 241'-06"

April 11, 2011

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28168"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

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
1/4		1/4		1/4		1/4	4,837.47	1/4	4,511.96	1/4	4,178.82	1/4	3,822.00	1/4	3,455.59	1/4	3,089.18	1/4	2,722.78		
1/2		1/2		1/2		1/2	4,831.83	1/2	4,505.27	1/2	4,171.60	1/2	3,814.37	1/2	3,447.96	1/2	3,081.55	1/2	2,715.14		
3/4		3/4		3/4		3/4	4,826.19	3/4	4,498.58	3/4	4,164.39	3/4	3,806.73	3/4	3,440.33	3/4	3,073.92	3/4	2,707.51		
1	1	1	1	1	1	1	4,819.36	1	4,491.86	1	4,157.13	1	3,799.10	1	3,432.69	1	3,066.28	1	2,699.88		
1/4		1/4		1/4		1/4	4,812.53	1/4	4,485.13	1/4	4,149.88	1/4	3,791.47	1/4	3,425.06	1/4	3,058.65	1/4	2,692.24		
1/2		1/2		1/2		1/2	4,805.69	1/2	4,478.41	1/2	4,142.62	1/2	3,783.83	1/2	3,417.43	1/2	3,051.02	1/2	2,684.61		
3/4		3/4		3/4		3/4	4,798.86	3/4	4,471.68	3/4	4,135.37	3/4	3,776.20	3/4	3,409.79	3/4	3,043.38	3/4	2,676.98		
2	2	2	2	2	2	2	4,791.39	2	4,464.93	2	4,128.08	2	3,768.57	2	3,402.16	2	3,035.75	2	2,669.34		
1/4		1/4		1/4		1/4	4,783.92	1/4	4,458.17	1/4	4,120.78	1/4	3,760.93	1/4	3,394.52	1/4	3,028.12	1/4	2,661.71		
1/2		1/2		1/2		1/2	4,776.45	1/2	4,451.41	1/2	4,113.49	1/2	3,753.30	1/2	3,386.89	1/2	3,020.48	1/2	2,654.08		
3/4		3/4		3/4		3/4	4,768.98	3/4	4,444.65	3/4	4,106.20	3/4	3,745.67	3/4	3,379.26	3/4	3,012.85	3/4	2,646.44		
3	3	3	3	3	3	3	4,761.44	3	4,437.85	3	4,098.87	3	3,738.03	3	3,371.62	3	3,005.22	3	2,638.81		
1/4		1/4		1/4		1/4	4,753.89	1/4	4,431.06	1/4	4,091.55	1/4	3,730.40	1/4	3,363.99	1/4	2,997.58	1/4	2,631.17		
1/2		1/2		1/2		1/2	4,746.34	1/2	4,424.26	1/2	4,084.22	1/2	3,722.77	1/2	3,356.36	1/2	2,989.95	1/2	2,623.54		
3/4		3/4		3/4		3/4	4,738.79	3/4	4,417.47	3/4	4,076.89	3/4	3,715.13	3/4	3,348.72	3/4	2,982.32	3/4	2,615.91		
4	4	4	4	4	4	4	4,731.52	4	4,410.63	4	4,069.53	4	3,707.50	4	3,341.09	4	2,974.68	4	2,608.27		
1/4		1/4		1/4		1/4	4,724.25	1/4	4,403.80	1/4	4,062.17	1/4	3,699.86	1/4	3,333.46	1/4	2,967.05	1/4	2,600.64		
1/2		1/2		1/2		1/2	4,716.98	1/2	4,396.97	1/2	4,054.81	1/2	3,692.23	1/2	3,325.82	1/2	2,959.42	1/2	2,593.01		
3/4		3/4		3/4		3/4	4,709.71	3/4	4,390.13	3/4	4,047.45	3/4	3,684.60	3/4	3,318.19	3/4	2,951.78	3/4	2,585.37		
5	5	5	5	5	5	5	4,702.99	5	4,383.26	5	4,040.06	5	3,676.96	5	3,310.56	5	2,944.15	5	2,577.74		
1/4		1/4		1/4		1/4	4,696.27	1/4	4,376.39	1/4	4,032.66	1/4	3,669.33	1/4	3,302.92	1/4	2,936.51	1/4	2,570.11		
1/2		1/2		1/2		1/2	4,689.55	1/2	4,369.52	1/2	4,025.27	1/2	3,661.70	1/2	3,295.29	1/2	2,928.88	1/2	2,562.47		
3/4		3/4		3/4		3/4	4,682.83	3/4	4,362.65	3/4	4,017.87	3/4	3,654.06	3/4	3,287.66	3/4	2,921.25	3/4	2,554.84		
6	6	6	6	6	6	6	4,676.36	6	4,355.74	6	4,010.44	6	3,646.43	6	3,280.02	6	2,913.61	6	2,547.21		
1/4		1/4		1/4		1/4	4,669.89	1/4	4,348.83	1/4	4,003.01	1/4	3,638.80	1/4	3,272.39	1/4	2,905.98	1/4	2,539.57		
1/2		1/2		1/2		1/2	4,663.43	1/2	4,341.92	1/2	3,995.57	1/2	3,631.16	1/2	3,264.76	1/2	2,898.35	1/2	2,531.94		
3/4		3/4		3/4		3/4	4,656.96	3/4	4,335.02	3/4	3,988.14	3/4	3,623.53	3/4	3,257.12	3/4	2,890.71	3/4	2,524.31		
7	7	7	7	7	7	7	4,650.45	7	4,328.05	7	3,980.67	7	3,615.90	7	3,249.49	7	2,883.08	7	2,516.67		
1/4		1/4		1/4		1/4	4,643.95	1/4	4,321.08	1/4	3,973.20	1/4	3,608.26	1/4	3,241.85	1/4	2,875.45	1/4	2,509.04		
1/2		1/2		1/2		1/2	4,637.44	1/2	4,314.12	1/2	3,965.73	1/2	3,600.63	1/2	3,234.22	1/2	2,867.81	1/2	2,501.41		
3/4		3/4		3/4		3/4	4,630.93	3/4	4,307.15	3/4	3,958.26	3/4	3,593.00	3/4	3,226.59	3/4	2,860.18	3/4	2,493.77		
8	8	8	8	8	8	8	4,624.39	8	4,300.10	8	3,950.75	8	3,585.36	8	3,218.95	8	2,852.55	8	2,486.14		
1/4		1/4		1/4		1/4	4,617.85	1/4	4,293.06	1/4	3,943.25	1/4	3,577.73	1/4	3,211.32	1/4	2,844.91	1/4	2,478.50		
1/2		1/2		1/2		1/2	4,611.30	1/2	4,286.01	1/2	3,935.74	1/2	3,570.10	1/2	3,203.69	1/2	2,837.28	1/2	2,470.87		
3/4		3/4		3/4		3/4	4,604.76	3/4	4,278.96	3/4	3,928.23	3/4	3,562.46	3/4	3,196.05	3/4	2,829.65	3/4	2,463.24		
9	9	9	9	9	9	9	4,598.18	9	4,271.86	9	3,920.69	9	3,554.83	9	3,188.42	9	2,822.01	9	2,455.60		
1/4		1/4		1/4		1/4	4,591.60	1/4	4,264.75	1/4	3,913.14	1/4	3,547.19	1/4	3,180.79	1/4	2,814.38	1/4	2,447.97		
1/2		1/2		1/2		1/2	4,585.02	1/2	4,257.65	1/2	3,905.60	1/2	3,539.56	1/2	3,173.15	1/2	2,806.75	1/2	2,440.34		
3/4		3/4		3/4		3/4	4,578.44	3/4	4,250.54	3/4	3,898.05	3/4	3,531.93	3/4	3,165.52	3/4	2,799.11	3/4	2,432.70		
10	10	10	10	10	10	10	4,571.82	10	4,243.40	10	3,890.47	10	3,524.29	10	3,157.89	10	2,791.48	10	2,425.07		
1/4		1/4		1/4		1/4	4,565.20	1/4	4,236.26	1/4	3,882.89	1/4	3,516.66	1/4	3,150.25	1/4	2,783.84	1/4	2,417.44		
1/2		1/2		1/2		1/2	4,558.58	1/2	4,229.12	1/2	3,875.31	1/2	3,509.03	1/2	3,142.62	1/2	2,776.21	1/2	2,409.80		
3/4		3/4		3/4		3/4	4,551.96	3/4	4,221.97	3/4	3,867.73	3/4	3,501.39	3/4	3,134.99	3/4	2,768.58	3/4	2,402.17		
11	11	11	11	11	11	11	4,545.31	11	4,214.79	11	3,860.11	11	3,493.76	11	3,127.35	11	2,760.94	11	2,394.54		
1/4		1/4		1/4		1/4	4,538.65	1/4	4,207.61	1/4	3,852.50	1/4	3,486.13	1/4	3,119.72	1/4	2,753.31	1/4	2,386.90		
1/2		1/2		1/2		1/2	4,532.00	1/2	4,200.43	1/2	3,844.88	1/2	3,478.49	1/2	3,112.09	1/2	2,745.68	1/2	2,379.27		
3/4		3/4		3/4		3/4	4,525.34	3/4	4,193.26	3/4	3,837.27	3/4	3,470.86	3/4	3,104.45	3/4	2,738.04	3/4	2,371.64		

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 53'-00" 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 28168"

1 PORT 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	2,364.00	0	1,997.60	0	1,631.17	0	1,265.40	0	901.09	0	535.04	0	188.27	0		0		0	
1/4	2,356.37	1/4	1,989.96	1/4	1,623.54	1/4	1,257.77	1/4	893.51	1/4	527.40	1/4	181.57	1/4	1/4	1/4		1/4	1/4
1/2	2,348.74	1/2	1,982.33	1/2	1,615.91	1/2	1,250.13	1/2	885.93	1/2	519.77	1/2	174.87	1/2	1/2	1/2		1/2	1/2
3/4	2,341.10	3/4	1,974.70	3/4	1,608.27	3/4	1,242.50	3/4	878.35	3/4	512.13	3/4	168.17	3/4	3/4	3/4		3/4	3/4
1	2,333.47	1	1,967.07	1	1,600.64	1	1,234.86	1	870.76	1	504.52	1	161.55	1	1	1		1	1
1/4	2,325.83	1/4	1,959.43	1/4	1,593.00	1/4	1,227.23	1/4	863.17	1/4	496.91	1/4	154.94	1/4	1/4	1/4		1/4	1/4
1/2	2,318.20	1/2	1,951.80	1/2	1,585.37	1/2	1,219.60	1/2	855.58	1/2	489.29	1/2	148.33	1/2	1/2	1/2		1/2	1/2
3/4	2,310.57	3/4	1,944.16	3/4	1,577.74	3/4	1,211.96	3/4	847.98	3/4	481.68	3/4	141.71	3/4	3/4	3/4		3/4	3/4
2	2,302.93	2	1,936.53	2	1,570.10	2	1,204.34	2	840.37	2	474.13	2	135.19	2	2	2		2	2
1/4	2,295.30	1/4	1,928.90	1/4	1,562.47	1/4	1,196.72	1/4	832.75	1/4	466.58	1/4	128.67	1/4	1/4	1/4		1/4	1/4
1/2	2,287.67	1/2	1,921.26	1/2	1,554.83	1/2	1,189.10	1/2	825.13	1/2	459.03	1/2	122.15	1/2	1/2	1/2		1/2	1/2
3/4	2,280.03	3/4	1,913.63	3/4	1,547.20	3/4	1,181.48	3/4	817.51	3/4	451.48	3/4	115.63	3/4	3/4	3/4		3/4	3/4
3	2,272.40	3	1,905.99	3	1,539.57	3	1,173.89	3	809.87	3	444.02	3	109.20	3	3	3		3	3
1/4	2,264.77	1/4	1,898.36	1/4	1,531.93	1/4	1,166.30	1/4	802.24	1/4	436.55	1/4	102.78	1/4	1/4	1/4		1/4	1/4
1/2	2,257.13	1/2	1,890.73	1/2	1,524.30	1/2	1,158.70	1/2	794.61	1/2	429.09	1/2	96.36	1/2	1/2	1/2		1/2	1/2
3/4	2,249.50	3/4	1,883.09	3/4	1,516.67	3/4	1,151.11	3/4	786.97	3/4	421.62	3/4	89.93	3/4	3/4	3/4		3/4	3/4
4	2,241.87	4	1,875.46	4	1,509.03	4	1,143.53	4	779.34	4	414.24	4	83.61	4	4	4		4	4
1/4	2,234.23	1/4	1,867.82	1/4	1,501.40	1/4	1,135.95	1/4	771.70	1/4	406.86	1/4	77.29	1/4	1/4	1/4		1/4	1/4
1/2	2,226.60	1/2	1,860.19	1/2	1,493.76	1/2	1,128.38	1/2	764.07	1/2	399.48	1/2	70.97	1/2	1/2	1/2		1/2	1/2
3/4	2,218.97	3/4	1,852.56	3/4	1,486.13	3/4	1,120.80	3/4	756.43	3/4	392.10	3/4	64.65	3/4	3/4	3/4		3/4	3/4
5	2,211.33	5	1,844.92	5	1,478.51	5	1,113.22	5	748.80	5	384.81	5	58.45	5	5	5		5	5
1/4	2,203.70	1/4	1,837.29	1/4	1,470.89	1/4	1,105.65	1/4	741.17	1/4	377.51	1/4	52.25	1/4	1/4	1/4		1/4	1/4
1/2	2,196.07	1/2	1,829.66	1/2	1,463.27	1/2	1,098.07	1/2	733.53	1/2	370.22	1/2	46.05	1/2	1/2	1/2		1/2	1/2
3/4	2,188.43	3/4	1,822.02	3/4	1,455.65	3/4	1,090.49	3/4	725.90	3/4	362.92	3/4	39.85	3/4	3/4	3/4		3/4	3/4
6	2,180.80	6	1,814.39	6	1,448.04	6	1,082.92	6	718.26	6	355.71	6	34.34	6	6	6		6	6
1/4	2,173.16	1/4	1,806.75	1/4	1,440.44	1/4	1,075.34	1/4	710.63	1/4	348.50	1/4	28.84	1/4	1/4	1/4		1/4	1/4
1/2	2,165.53	1/2	1,799.12	1/2	1,432.83	1/2	1,067.77	1/2	702.99	1/2	341.29	1/2	23.33	1/2	1/2	1/2		1/2	1/2
3/4	2,157.90	3/4	1,791.49	3/4	1,425.22	3/4	1,060.19	3/4	695.36	3/4	334.08	3/4	17.83	3/4	3/4	3/4		3/4	3/4
7	2,150.26	7	1,783.85	7	1,417.62	7	1,052.61	7	687.73	7	326.96	7	14.27	7	7	7		7	7
1/4	2,142.63	1/4	1,776.22	1/4	1,410.01	1/4	1,045.04	1/4	680.09	1/4	319.83	1/4	10.71	1/4	1/4	1/4		1/4	1/4
1/2	2,135.00	1/2	1,768.58	1/2	1,402.41	1/2	1,037.46	1/2	672.46	1/2	312.71	1/2	7.15	1/2	1/2	1/2		1/2	1/2
3/4	2,127.36	3/4	1,760.95	3/4	1,394.80	3/4	1,029.88	3/4	664.82	3/4	305.58	3/4	3.59	3/4	3/4	3/4		3/4	3/4
8	2,119.73	8	1,753.32	8	1,387.19	8	1,022.31	8	657.19	8	298.54	8		8	8	8		8	8
1/4	2,112.10	1/4	1,745.68	1/4	1,379.59	1/4	1,014.73	1/4	649.56	1/4	291.50	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,104.46	1/2	1,738.05	1/2	1,371.98	1/2	1,007.16	1/2	641.92	1/2	284.46	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,096.83	3/4	1,730.41	3/4	1,364.37	3/4	999.58	3/4	634.29	3/4	277.42	3/4		3/4	3/4	3/4		3/4	3/4
9	2,089.20	9	1,722.78	9	1,356.77	9	992.00	9	626.65	9	270.46	9		9	9	9		9	9
1/4	2,081.56	1/4	1,715.15	1/4	1,349.16	1/4	984.43	1/4	619.02	1/4	263.51	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,073.93	1/2	1,707.51	1/2	1,341.55	1/2	976.85	1/2	611.38	1/2	256.55	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,066.30	3/4	1,699.88	3/4	1,333.95	3/4	969.28	3/4	603.75	3/4	249.60	3/4		3/4	3/4	3/4		3/4	3/4
10	2,058.66	10	1,692.24	10	1,326.34	10	961.70	10	596.12	10	242.73	10		10	10	10		10	10
1/4	2,051.03	1/4	1,684.61	1/4	1,318.73	1/4	954.12	1/4	588.48	1/4	235.86	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,043.40	1/2	1,676.98	1/2	1,311.13	1/2	946.55	1/2	580.85	1/2	228.98	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,035.76	3/4	1,669.34	3/4	1,303.52	3/4	938.97	3/4	573.21	3/4	222.11	3/4		3/4	3/4	3/4		3/4	3/4
11	2,028.13	11	1,661.71	11	1,295.90	11	931.40	11	565.58	11	215.33	11		11	11	11		11	11
1/4	2,020.49	1/4	1,654.08	1/4	1,288.28	1/4	923.82	1/4	557.94	1/4	208.54	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,012.86	1/2	1,646.44	1/2	1,280.66	1/2	916.24	1/2	550.31	1/2	201.76	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,005.23	3/4	1,638.81	3/4	1,273.04	3/4	908.67	3/4	542.67	3/4	194.97	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/11/2011 CL - SW
CALCULATED: 04/11/2011 CL
PRINTED: 04/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

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



BARGE "KIRBY 28168"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

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
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 53'-00" 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 28168"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,351.24	0	1,984.66	0	1,618.06	0	1,252.12	0	886.55	0	520.01	0	174.95	0		0		0	
1/4	2,343.60	1/4	1,977.02	1/4	1,610.42	1/4	1,244.48	1/4	878.94	1/4	512.37	1/4	168.24	1/4	1/4		1/4	1/4	
1/2	2,335.97	1/2	1,969.39	1/2	1,602.79	1/2	1,236.84	1/2	871.31	1/2	504.75	1/2	161.63	1/2	1/2		1/2	1/2	
3/4	2,328.33	3/4	1,961.75	3/4	1,595.15	3/4	1,229.20	3/4	863.69	3/4	497.14	3/4	155.01	3/4	3/4		3/4	3/4	
1	2,320.69	1	1,954.11	1	1,587.51	1	1,221.56	1	856.06	1	489.52	1	148.39	1	1		1	1	
1/4	2,313.06	1/4	1,946.47	1/4	1,579.87	1/4	1,213.92	1/4	848.44	1/4	481.90	1/4	141.78	1/4	1/4		1/4	1/4	
1/2	2,305.42	1/2	1,938.84	1/2	1,572.24	1/2	1,206.29	1/2	840.80	1/2	474.35	1/2	135.25	1/2	1/2		1/2	1/2	
3/4	2,297.78	3/4	1,931.20	3/4	1,564.60	3/4	1,198.65	3/4	833.16	3/4	466.80	3/4	128.73	3/4	3/4		3/4	3/4	
2	2,290.14	2	1,923.56	2	1,556.96	2	1,191.01	2	825.53	2	459.24	2	122.20	2	2		2	2	
1/4	2,282.51	1/4	1,915.92	1/4	1,549.32	1/4	1,183.37	1/4	817.89	1/4	451.69	1/4	115.68	1/4	1/4		1/4	1/4	
1/2	2,274.87	1/2	1,908.29	1/2	1,541.69	1/2	1,175.75	1/2	810.25	1/2	444.22	1/2	109.25	1/2	1/2		1/2	1/2	
3/4	2,267.23	3/4	1,900.65	3/4	1,534.05	3/4	1,168.12	3/4	802.61	3/4	436.75	3/4	102.82	3/4	3/4		3/4	3/4	
3	2,259.60	3	1,893.01	3	1,526.41	3	1,160.50	3	794.97	3	429.28	3	96.40	3	3		3	3	
1/4	2,251.96	1/4	1,885.37	1/4	1,518.77	1/4	1,152.87	1/4	787.34	1/4	421.82	1/4	89.97	1/4	1/4		1/4	1/4	
1/2	2,244.32	1/2	1,877.74	1/2	1,511.14	1/2	1,145.26	1/2	779.70	1/2	414.43	1/2	83.65	1/2	1/2		1/2	1/2	
3/4	2,236.68	3/4	1,870.10	3/4	1,503.50	3/4	1,137.65	3/4	772.06	3/4	407.05	3/4	77.32	3/4	3/4		3/4	3/4	
4	2,229.05	4	1,862.46	4	1,495.86	4	1,130.04	4	764.42	4	399.67	4	71.00	4	4		4	4	
1/4	2,221.41	1/4	1,854.82	1/4	1,488.22	1/4	1,122.43	1/4	756.78	1/4	392.28	1/4	64.68	1/4	1/4		1/4	1/4	
1/2	2,213.77	1/2	1,847.19	1/2	1,480.60	1/2	1,114.82	1/2	749.15	1/2	384.98	1/2	58.48	1/2	1/2		1/2	1/2	
3/4	2,206.13	3/4	1,839.55	3/4	1,472.98	3/4	1,107.21	3/4	741.51	3/4	377.68	3/4	52.27	3/4	3/4		3/4	3/4	
5	2,198.50	5	1,831.91	5	1,465.35	5	1,099.60	5	733.87	5	370.39	5	46.07	5	5		5	5	
1/4	2,190.86	1/4	1,824.27	1/4	1,457.73	1/4	1,091.99	1/4	726.23	1/4	363.09	1/4	39.86	1/4	1/4		1/4	1/4	
1/2	2,183.22	1/2	1,816.64	1/2	1,450.12	1/2	1,084.38	1/2	718.60	1/2	355.87	1/2	34.36	1/2	1/2		1/2	1/2	
3/4	2,175.59	3/4	1,809.00	3/4	1,442.51	3/4	1,076.77	3/4	710.96	3/4	348.66	3/4	28.85	3/4	3/4		3/4	3/4	
6	2,167.95	6	1,801.36	6	1,434.90	6	1,069.17	6	703.32	6	341.45	6	23.34	6	6		6	6	
1/4	2,160.31	1/4	1,793.72	1/4	1,427.29	1/4	1,061.56	1/4	695.68	1/4	334.23	1/4	17.83	1/4	1/4		1/4	1/4	
1/2	2,152.67	1/2	1,786.09	1/2	1,419.68	1/2	1,053.95	1/2	688.04	1/2	327.10	1/2	14.27	1/2	1/2		1/2	1/2	
3/4	2,145.04	3/4	1,778.45	3/4	1,412.07	3/4	1,046.34	3/4	680.41	3/4	319.98	3/4	10.71	3/4	3/4		3/4	3/4	
7	2,137.40	7	1,770.81	7	1,404.46	7	1,038.73	7	672.77	7	312.85	7	7.15	7	7		7	7	
1/4	2,129.76	1/4	1,763.17	1/4	1,396.85	1/4	1,031.12	1/4	665.13	1/4	305.72	1/4	3.59	1/4	1/4		1/4	1/4	
1/2	2,122.13	1/2	1,755.54	1/2	1,389.24	1/2	1,023.51	1/2	657.49	1/2	298.67	1/2		1/2	1/2		1/2	1/2	
3/4	2,114.49	3/4	1,747.90	3/4	1,381.63	3/4	1,015.90	3/4	649.86	3/4	291.63	3/4		3/4	3/4		3/4	3/4	
8	2,106.85	8	1,740.26	8	1,374.02	8	1,008.30	8	642.22	8	284.59	8		8	8		8	8	
1/4	2,099.21	1/4	1,732.62	1/4	1,366.41	1/4	1,000.69	1/4	634.58	1/4	277.54	1/4		1/4	1/4		1/4	1/4	
1/2	2,091.58	1/2	1,724.99	1/2	1,358.80	1/2	993.08	1/2	626.94	1/2	270.58	1/2		1/2	1/2		1/2	1/2	
3/4	2,083.94	3/4	1,717.35	3/4	1,351.19	3/4	985.47	3/4	619.30	3/4	263.63	3/4		3/4	3/4		3/4	3/4	
9	2,076.30	9	1,709.71	9	1,343.58	9	977.86	9	611.67	9	256.67	9		9	9		9	9	
1/4	2,068.67	1/4	1,702.07	1/4	1,335.97	1/4	970.25	1/4	604.03	1/4	249.71	1/4		1/4	1/4		1/4	1/4	
1/2	2,061.03	1/2	1,694.44	1/2	1,328.36	1/2	962.64	1/2	596.39	1/2	242.83	1/2		1/2	1/2		1/2	1/2	
3/4	2,053.39	3/4	1,686.80	3/4	1,320.75	3/4	955.03	3/4	588.75	3/4	235.96	3/4		3/4	3/4		3/4	3/4	
10	2,045.75	10	1,679.16	10	1,313.14	10	947.43	10	581.11	10	229.09	10		10	10		10	10	
1/4	2,038.12	1/4	1,671.52	1/4	1,305.53	1/4	939.82	1/4	573.48	1/4	222.21	1/4		1/4	1/4		1/4	1/4	
1/2	2,030.48	1/2	1,663.89	1/2	1,297.90	1/2	932.21	1/2	565.84	1/2	215.42	1/2		1/2	1/2		1/2	1/2	
3/4	2,022.84	3/4	1,656.25	3/4	1,290.28	3/4	924.60	3/4	558.20	3/4	208.63	3/4		3/4	3/4		3/4	3/4	
11	2,015.20	11	1,648.61	11	1,282.65	11	916.99	11	550.56	11	201.85	11		11	11		11	11	
1/4	2,007.57	1/4	1,640.97	1/4	1,275.03	1/4	909.38	1/4	542.92	1/4	195.06	1/4		1/4	1/4		1/4	1/4	
1/2	1,999.93	1/2	1,633.34	1/2	1,267.39	1/2	901.77	1/2	535.28	1/2	188.35	1/2		1/2	1/2		1/2	1/2	
3/4	1,992.30	3/4	1,625.70	3/4	1,259.75	3/4	894.16	3/4	527.65	3/4	181.65	3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/11/2011 CL - SW
CALCULATED: 04/11/2011 CL
PRINTED: 04/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

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



BARGE "KIRBY 28168"

2 PORT 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,530.26	0	4,199.46	0	3,845.14	0	3,481.30	0	3,117.45	0	2,753.61
1/4		1/4		1/4		1/4	4,847.88	1/4	4,523.61	1/4	4,192.29	1/4	3,837.56	1/4	3,473.72	1/4	3,109.87	1/4	2,746.03
1/2		1/2		1/2		1/2	4,842.28	1/2	4,516.97	1/2	4,185.12	1/2	3,829.98	1/2	3,466.14	1/2	3,102.29	1/2	2,738.45
3/4		3/4		3/4		3/4	4,835.49	3/4	4,510.29	3/4	4,177.92	3/4	3,822.40	3/4	3,458.56	3/4	3,094.71	3/4	2,730.87
1		1		1		1	4,828.71	1	4,503.62	1	4,170.72	1	3,814.82	1	3,450.98	1	3,087.13	1	2,723.29
1/4		1/4		1/4		1/4	4,821.92	1/4	4,496.94	1/4	4,163.51	1/4	3,807.24	1/4	3,443.40	1/4	3,079.55	1/4	2,715.71
1/2		1/2		1/2		1/2	4,815.14	1/2	4,490.27	1/2	4,156.31	1/2	3,799.66	1/2	3,435.82	1/2	3,071.97	1/2	2,708.13
3/4		3/4		3/4		3/4	4,807.72	3/4	4,483.56	3/4	4,149.07	3/4	3,792.08	3/4	3,428.24	3/4	3,064.39	3/4	2,700.55
2		2		2		2	4,800.31	2	4,476.84	2	4,141.83	2	3,784.50	2	3,420.66	2	3,056.81	2	2,692.97
1/4		1/4		1/4		1/4	4,792.89	1/4	4,470.13	1/4	4,134.58	1/4	3,776.92	1/4	3,413.08	1/4	3,049.23	1/4	2,685.39
1/2		1/2		1/2		1/2	4,785.47	1/2	4,463.42	1/2	4,127.34	1/2	3,769.34	1/2	3,405.50	1/2	3,041.65	1/2	2,677.81
3/4		3/4		3/4		3/4	4,777.98	3/4	4,456.67	3/4	4,120.07	3/4	3,761.76	3/4	3,397.92	3/4	3,034.07	3/4	2,670.23
3		3		3		3	4,770.48	3	4,449.93	3	4,112.79	3	3,754.18	3	3,390.34	3	3,026.49	3	2,662.65
1/4		1/4		1/4		1/4	4,762.99	1/4	4,443.18	1/4	4,105.52	1/4	3,746.60	1/4	3,382.76	1/4	3,018.91	1/4	2,655.07
1/2		1/2		1/2		1/2	4,755.49	1/2	4,436.43	1/2	4,098.24	1/2	3,739.02	1/2	3,375.18	1/2	3,011.33	1/2	2,647.49
3/4		3/4		3/4		3/4	4,748.27	3/4	4,429.64	3/4	4,090.93	3/4	3,731.44	3/4	3,367.60	3/4	3,003.75	3/4	2,639.91
4		4		4		4	4,741.05	4	4,422.86	4	4,083.62	4	3,723.86	4	3,360.02	4	2,996.17	4	2,632.33
1/4		1/4		1/4		1/4	4,733.84	1/4	4,416.07	1/4	4,076.31	1/4	3,716.28	1/4	3,352.44	1/4	2,988.59	1/4	2,624.75
1/2		1/2		1/2		1/2	4,726.62	1/2	4,409.29	1/2	4,069.01	1/2	3,708.70	1/2	3,344.86	1/2	2,981.01	1/2	2,617.17
3/4		3/4		3/4		3/4	4,719.95	3/4	4,402.47	3/4	4,061.66	3/4	3,701.12	3/4	3,337.28	3/4	2,973.43	3/4	2,609.59
5		5		5		5	4,713.27	5	4,395.64	5	4,054.32	5	3,693.54	5	3,329.70	5	2,965.85	5	2,602.01
1/4		1/4		1/4		1/4	4,706.60	1/4	4,388.82	1/4	4,046.98	1/4	3,685.96	1/4	3,322.12	1/4	2,958.27	1/4	2,594.43
1/2		1/2		1/2		1/2	4,699.93	1/2	4,382.00	1/2	4,039.63	1/2	3,678.38	1/2	3,314.54	1/2	2,950.69	1/2	2,586.85
3/4		3/4		3/4		3/4	4,693.50	3/4	4,375.14	3/4	4,032.25	3/4	3,670.80	3/4	3,306.96	3/4	2,943.11	3/4	2,579.27
6		6		6		6	4,687.08	6	4,368.28	6	4,024.87	6	3,663.22	6	3,299.38	6	2,935.53	6	2,571.69
1/4		1/4		1/4		1/4	4,680.66	1/4	4,361.42	1/4	4,017.49	1/4	3,655.64	1/4	3,291.80	1/4	2,927.95	1/4	2,564.11
1/2		1/2		1/2		1/2	4,674.24	1/2	4,354.56	1/2	4,010.11	1/2	3,648.06	1/2	3,284.22	1/2	2,920.37	1/2	2,556.53
3/4		3/4		3/4		3/4	4,667.77	3/4	4,347.64	3/4	4,002.69	3/4	3,640.48	3/4	3,276.64	3/4	2,912.79	3/4	2,548.95
7		7		7		7	4,661.31	7	4,340.73	7	3,995.27	7	3,632.90	7	3,269.06	7	2,905.21	7	2,541.37
1/4		1/4		1/4		1/4	4,654.85	1/4	4,333.81	1/4	3,987.86	1/4	3,625.32	1/4	3,261.48	1/4	2,897.63	1/4	2,533.79
1/2		1/2		1/2		1/2	4,648.39	1/2	4,326.89	1/2	3,980.44	1/2	3,617.74	1/2	3,253.90	1/2	2,890.05	1/2	2,526.21
3/4		3/4		3/4		3/4	4,641.90	3/4	4,319.89	3/4	3,972.98	3/4	3,610.16	3/4	3,246.32	3/4	2,882.47	3/4	2,518.63
8		8		8		8	4,635.40	8	4,312.90	8	3,965.53	8	3,602.58	8	3,238.74	8	2,874.89	8	2,511.05
1/4		1/4		1/4		1/4	4,628.90	1/4	4,305.90	1/4	3,958.08	1/4	3,595.00	1/4	3,231.16	1/4	2,867.31	1/4	2,503.47
1/2		1/2		1/2		1/2	4,622.41	1/2	4,298.90	1/2	3,950.62	1/2	3,587.42	1/2	3,223.58	1/2	2,859.73	1/2	2,495.89
3/4		3/4		3/4		3/4	4,615.87	3/4	4,291.85	3/4	3,943.13	3/4	3,579.84	3/4	3,216.00	3/4	2,852.15	3/4	2,488.31
9		9		9		9	4,609.34	9	4,284.79	9	3,935.64	9	3,572.26	9	3,208.42	9	2,844.57	9	2,480.73
1/4		1/4		1/4		1/4	4,602.80	1/4	4,277.74	1/4	3,928.14	1/4	3,564.68	1/4	3,200.84	1/4	2,836.99	1/4	2,473.15
1/2		1/2		1/2		1/2	4,596.27	1/2	4,270.68	1/2	3,920.65	1/2	3,557.10	1/2	3,193.26	1/2	2,829.41	1/2	2,465.57
3/4		3/4		3/4		3/4	4,589.70	3/4	4,263.59	3/4	3,913.12	3/4	3,549.52	3/4	3,185.68	3/4	2,821.83	3/4	2,457.99
10		10		10		10	4,583.12	10	4,256.49	10	3,905.60	10	3,541.94	10	3,178.10	10	2,814.25	10	2,450.41
1/4		1/4		1/4		1/4	4,576.55	1/4	4,249.40	1/4	3,898.07	1/4	3,534.36	1/4	3,170.52	1/4	2,806.67	1/4	2,442.83
1/2		1/2		1/2		1/2	4,569.98	1/2	4,242.31	1/2	3,890.54	1/2	3,526.78	1/2	3,162.93	1/2	2,799.09	1/2	2,435.25
3/4		3/4		3/4		3/4	4,563.37	3/4	4,235.18	3/4	3,882.98	3/4	3,519.20	3/4	3,155.35	3/4	2,791.51	3/4	2,427.67
11		11		11		11	4,556.76	11	4,228.05	11	3,875.42	11	3,511.62	11	3,147.77	11	2,783.93	11	2,420.09
1/4		1/4		1/4		1/4	4,550.15	1/4	4,220.92	1/4	3,867.86	1/4	3,504.04	1/4	3,140.19	1/4	2,776.35	1/4	2,412.51
1/2		1/2		1/2		1/2	4,543.55	1/2	4,213.79	1/2	3,860.30	1/2	3,496.46	1/2	3,132.61	1/2	2,768.77	1/2	2,404.92
3/4		3/4		3/4		3/4	4,536.90	3/4	4,206.62	3/4	3,852.72	3/4	3,488.88	3/4	3,125.03	3/4	2,761.19	3/4	2,397.34

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 52'-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 28168"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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
	2,389.76		2,025.92		1,662.06		1,302.09		951.29		591.14		227.25						
1/4	2,382.18	1/4	2,018.34	1/4	1,654.48	1/4	1,294.51	1/4	944.04	1/4	583.56	1/4	219.66	1/4		1/4		1/4	
1/2	2,374.60	1/2	2,010.76	1/2	1,646.90	1/2	1,286.93	1/2	936.79	1/2	575.98	1/2	212.08	1/2		1/2		1/2	
3/4	2,367.02	3/4	2,003.18	3/4	1,639.32	3/4	1,279.34	3/4	929.52	3/4	568.39	3/4	204.51	3/4		3/4		3/4	
1	2,359.44	1	1,995.60	1	1,631.74	1	1,271.76	1	922.26	1	560.81	1	196.93	1		1		1	
1/4	2,351.86	1/4	1,988.02	1/4	1,624.16	1/4	1,264.18	1/4	914.99	1/4	553.23	1/4	189.35	1/4		1/4		1/4	
1/2	2,344.28	1/2	1,980.43	1/2	1,616.58	1/2	1,256.60	1/2	907.72	1/2	545.65	1/2	181.77	1/2		1/2		1/2	
3/4	2,336.70	3/4	1,972.85	3/4	1,609.00	3/4	1,249.17	3/4	900.44	3/4	538.07	3/4	174.20	3/4		3/4		3/4	
2	2,329.12	2	1,965.27	2	1,601.42	2	1,241.74	2	893.16	2	530.49	2	166.63	2		2		2	
1/4	2,321.54	1/4	1,957.69	1/4	1,593.84	1/4	1,234.31	1/4	885.89	1/4	522.91	1/4	159.06	1/4		1/4		1/4	
1/2	2,313.96	1/2	1,950.11	1/2	1,586.26	1/2	1,226.88	1/2	878.61	1/2	515.33	1/2	151.48	1/2		1/2		1/2	
3/4	2,306.38	3/4	1,942.53	3/4	1,578.68	3/4	1,219.61	3/4	871.18	3/4	507.75	3/4	143.92	3/4		3/4		3/4	
3	2,298.80	3	1,934.95	3	1,571.10	3	1,212.35	3	863.75	3	500.16	3	136.37	3		3		3	
1/4	2,291.22	1/4	1,927.37	1/4	1,563.52	1/4	1,205.08	1/4	856.32	1/4	492.58	1/4	128.81	1/4		1/4		1/4	
1/2	2,283.64	1/2	1,919.79	1/2	1,555.94	1/2	1,197.81	1/2	848.89	1/2	485.00	1/2	121.25	1/2		1/2		1/2	
3/4	2,276.06	3/4	1,912.21	3/4	1,548.44	3/4	1,190.56	3/4	841.31	3/4	477.42	3/4	113.71	3/4		3/4		3/4	
4	2,268.48	4	1,904.63	4	1,540.94	4	1,183.31	4	833.73	4	469.84	4	106.17	4		4		4	
1/4	2,260.90	1/4	1,897.05	1/4	1,533.44	1/4	1,176.06	1/4	826.15	1/4	462.26	1/4	98.63	1/4		1/4		1/4	
1/2	2,253.32	1/2	1,889.47	1/2	1,525.94	1/2	1,168.80	1/2	818.56	1/2	454.68	1/2	91.09	1/2		1/2		1/2	
3/4	2,245.74	3/4	1,881.89	3/4	1,518.52	3/4	1,161.55	3/4	810.98	3/4	447.10	3/4	83.58	3/4		3/4		3/4	
5	2,238.16	5	1,874.31	5	1,511.10	5	1,154.30	5	803.40	5	439.52	5	76.08	5		5		5	
1/4	2,230.58	1/4	1,866.73	1/4	1,503.69	1/4	1,147.05	1/4	795.82	1/4	431.93	1/4	68.57	1/4		1/4		1/4	
1/2	2,223.00	1/2	1,859.15	1/2	1,496.27	1/2	1,139.80	1/2	788.24	1/2	424.35	1/2	61.06	1/2		1/2		1/2	
3/4	2,215.42	3/4	1,851.57	3/4	1,488.85	3/4	1,132.55	3/4	780.66	3/4	416.77	3/4	54.16	3/4		3/4		3/4	
6	2,207.84	6	1,843.99	6	1,481.43	6	1,125.30	6	773.08	6	409.19	6	47.26	6		6		6	
1/4	2,200.26	1/4	1,836.41	1/4	1,474.01	1/4	1,118.05	1/4	765.50	1/4	401.61	1/4	40.37	1/4		1/4		1/4	
1/2	2,192.68	1/2	1,828.83	1/2	1,466.60	1/2	1,110.80	1/2	757.92	1/2	394.03	1/2	33.47	1/2		1/2		1/2	
3/4	2,185.10	3/4	1,821.25	3/4	1,459.18	3/4	1,103.55	3/4	750.34	3/4	386.45	3/4	28.41	3/4		3/4		3/4	
7	2,177.52	7	1,813.67	7	1,451.76	7	1,096.30	7	742.76	7	378.87	7	23.36	7		7		7	
1/4	2,169.94	1/4	1,806.09	1/4	1,444.34	1/4	1,089.05	1/4	735.18	1/4	371.29	1/4	18.31	1/4		1/4		1/4	
1/2	2,162.36	1/2	1,798.51	1/2	1,436.92	1/2	1,081.80	1/2	727.60	1/2	363.70	1/2	13.26	1/2		1/2		1/2	
3/4	2,154.78	3/4	1,790.93	3/4	1,429.50	3/4	1,074.55	3/4	720.02	3/4	356.12	3/4		3/4		3/4		3/4	
8	2,147.20	8	1,783.35	8	1,422.09	8	1,067.30	8	712.43	8	348.54	8		8		8		8	
1/4	2,139.62	1/4	1,775.77	1/4	1,414.67	1/4	1,060.05	1/4	704.85	1/4	340.96	1/4		1/4		1/4		1/4	
1/2	2,132.04	1/2	1,768.19	1/2	1,407.25	1/2	1,052.80	1/2	697.27	1/2	333.38	1/2		1/2		1/2		1/2	
3/4	2,124.46	3/4	1,760.61	3/4	1,399.83	3/4	1,045.55	3/4	689.69	3/4	325.80	3/4		3/4		3/4		3/4	
9	2,116.88	9	1,753.03	9	1,392.41	9	1,038.30	9	682.11	9	318.22	9		9		9		9	
1/4	2,109.30	1/4	1,745.45	1/4	1,384.99	1/4	1,031.05	1/4	674.53	1/4	310.64	1/4		1/4		1/4		1/4	
1/2	2,101.72	1/2	1,737.87	1/2	1,377.57	1/2	1,023.80	1/2	666.95	1/2	303.06	1/2		1/2		1/2		1/2	
3/4	2,094.14	3/4	1,730.29	3/4	1,370.07	3/4	1,016.55	3/4	659.37	3/4	295.48	3/4		3/4		3/4		3/4	
10	2,086.56	10	1,722.70	10	1,362.57	10	1,009.30	10	651.79	10	287.89	10		10		10		10	
1/4	2,078.98	1/4	1,715.12	1/4	1,355.07	1/4	1,002.05	1/4	644.21	1/4	280.31	1/4		1/4		1/4		1/4	
1/2	2,071.40	1/2	1,707.54	1/2	1,347.57	1/2	994.80	1/2	636.62	1/2	272.73	1/2		1/2		1/2		1/2	
3/4	2,063.82	3/4	1,699.96	3/4	1,339.99	3/4	987.55	3/4	629.04	3/4	265.15	3/4		3/4		3/4		3/4	
11	2,056.24	11	1,692.38	11	1,332.41	11	980.30	11	621.46	11	257.57	11		11		11		11	
1/4	2,048.66	1/4	1,684.80	1/4	1,324.83	1/4	973.05	1/4	613.88	1/4	249.99	1/4		1/4		1/4		1/4	
1/2	2,041.08	1/2	1,677.22	1/2	1,317.25	1/2	965.80	1/2	606.30	1/2	242.41	1/2		1/2		1/2		1/2	
3/4	2,033.50	3/4	1,669.64	3/4	1,309.67	3/4	958.55	3/4	598.72	3/4	234.83	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/11/2011 CL - SW
CALCULATED: 04/11/2011 CL
PRINTED: 04/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

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



BARGE "KIRBY 28168"

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	IN	0												
1/4		1/4		1/4		1/4		1/4	4,545.40	1/4		1/4	4,214.64	1/4		1/4	3,852.78	1/4		1/4	3,496.56	1/4		1/4	3,132.76	1/4		1/4	2,768.96				
1/2		1/2		1/2		1/2		1/2	4,857.40	1/2		1/2	4,532.12	1/2		1/2	4,200.31	1/2		1/2	3,845.21	1/2		1/2	3,481.41	1/2		1/2	3,117.60	1/2		1/2	2,753.80
3/4		3/4		3/4		3/4		3/4	4,850.61	3/4		3/4	4,525.44	3/4		3/4	4,193.10	3/4		3/4	3,837.63	3/4		3/4	3,473.83	3/4		3/4	3,110.02	3/4		3/4	2,746.22
1		1		1		1		1	4,843.83	1		1	4,518.77	1		1	4,185.90	1		1	3,830.05	1		1	3,466.25	1		1	3,102.45	1		1	2,738.64
1/4		1/4		1/4		1/4		1/4	4,837.04	1/4		1/4	4,512.09	1/4		1/4	4,178.70	1/4		1/4	3,822.47	1/4		1/4	3,458.67	1/4		1/4	3,094.87	1/4		1/4	2,731.06
1/2		1/2		1/2		1/2		1/2	4,830.26	1/2		1/2	4,505.42	1/2		1/2	4,171.49	1/2		1/2	3,814.89	1/2		1/2	3,451.09	1/2		1/2	3,087.29	1/2		1/2	2,723.49
3/4		3/4		3/4		3/4		3/4	4,822.84	3/4		3/4	4,498.71	3/4		3/4	4,164.25	3/4		3/4	3,807.31	3/4		3/4	3,443.51	3/4		3/4	3,079.71	3/4		3/4	2,715.91
2		2		2		2		2	4,815.42	2		2	4,492.00	2		2	4,157.01	2		2	3,799.73	2		2	3,435.93	2		2	3,072.13	2		2	2,708.33
1/4		1/4		1/4		1/4		1/4	4,808.01	1/4		1/4	4,485.29	1/4		1/4	4,149.77	1/4		1/4	3,792.15	1/4		1/4	3,428.35	1/4		1/4	3,064.55	1/4		1/4	2,700.75
1/2		1/2		1/2		1/2		1/2	4,800.59	1/2		1/2	4,478.57	1/2		1/2	4,142.53	1/2		1/2	3,784.57	1/2		1/2	3,420.77	1/2		1/2	3,056.97	1/2		1/2	2,693.17
3/4		3/4		3/4		3/4		3/4	4,793.10	3/4		3/4	4,471.83	3/4		3/4	4,135.26	3/4		3/4	3,776.99	3/4		3/4	3,413.19	3/4		3/4	3,049.39	3/4		3/4	2,685.59
3		3		3		3		3	4,785.60	3		3	4,465.08	3		3	4,127.98	3		3	3,769.42	3		3	3,405.61	3		3	3,041.81	3		3	2,678.01
1/4		1/4		1/4		1/4		1/4	4,778.11	1/4		1/4	4,458.33	1/4		1/4	4,120.71	1/4		1/4	3,761.84	1/4		1/4	3,398.03	1/4		1/4	3,034.23	1/4		1/4	2,670.43
1/2		1/2		1/2		1/2		1/2	4,770.61	1/2		1/2	4,451.58	1/2		1/2	4,113.43	1/2		1/2	3,754.26	1/2		1/2	3,390.46	1/2		1/2	3,026.65	1/2		1/2	2,662.85
3/4		3/4		3/4		3/4		3/4	4,763.40	3/4		3/4	4,444.80	3/4		3/4	4,106.12	3/4		3/4	3,746.68	3/4		3/4	3,382.88	3/4		3/4	3,019.07	3/4		3/4	2,655.27
4		4		4		4		4	4,756.18	4		4	4,438.02	4		4	4,098.82	4		4	3,739.10	4		4	3,375.30	4		4	3,011.50	4		4	2,647.69
1/4		1/4		1/4		1/4		1/4	4,748.96	1/4		1/4	4,431.23	1/4		1/4	4,091.51	1/4		1/4	3,731.52	1/4		1/4	3,367.72	1/4		1/4	3,003.92	1/4		1/4	2,640.11
1/2		1/2		1/2		1/2		1/2	4,741.74	1/2		1/2	4,424.45	1/2		1/2	4,084.20	1/2		1/2	3,723.94	1/2		1/2	3,360.14	1/2		1/2	2,996.34	1/2		1/2	2,632.54
3/4		3/4		3/4		3/4		3/4	4,735.07	3/4		3/4	4,417.63	3/4		3/4	4,076.86	3/4		3/4	3,716.36	3/4		3/4	3,352.56	3/4		3/4	2,988.76	3/4		3/4	2,624.96
5		5		5		5		5	4,728.40	5		5	4,410.80	5		5	4,069.52	5		5	3,708.78	5		5	3,344.98	5		5	2,981.18	5		5	2,617.38
1/4		1/4		1/4		1/4		1/4	4,721.73	1/4		1/4	4,403.98	1/4		1/4	4,062.17	1/4		1/4	3,701.20	1/4		1/4	3,337.40	1/4		1/4	2,973.60	1/4		1/4	2,609.80
1/2		1/2		1/2		1/2		1/2	4,715.06	1/2		1/2	4,397.16	1/2		1/2	4,054.83	1/2		1/2	3,693.62	1/2		1/2	3,329.82	1/2		1/2	2,966.02	1/2		1/2	2,602.22
3/4		3/4		3/4		3/4		3/4	4,708.63	3/4		3/4	4,390.30	3/4		3/4	4,047.45	3/4		3/4	3,686.04	3/4		3/4	3,322.24	3/4		3/4	2,958.44	3/4		3/4	2,594.64
6		6		6		6		6	4,702.21	6		6	4,383.44	6		6	4,040.07	6		6	3,678.46	6		6	3,314.66	6		6	2,950.86	6		6	2,587.06
1/4		1/4		1/4		1/4		1/4	4,695.79	1/4		1/4	4,376.58	1/4		1/4	4,032.69	1/4		1/4	3,670.89	1/4		1/4	3,307.08	1/4		1/4	2,943.28	1/4		1/4	2,579.48
1/2		1/2		1/2		1/2		1/2	4,689.37	1/2		1/2	4,369.73	1/2		1/2	4,025.31	1/2		1/2	3,663.31	1/2		1/2	3,299.50	1/2		1/2	2,935.70	1/2		1/2	2,571.90
3/4		3/4		3/4		3/4		3/4	4,682.91	3/4		3/4	4,362.81	3/4		3/4	4,017.90	3/4		3/4	3,655.73	3/4		3/4	3,291.93	3/4		3/4	2,928.12	3/4		3/4	2,564.32
7		7		7		7		7	4,676.45	7		7	4,355.89	7		7	4,010.48	7		7	3,648.15	7		7	3,284.35	7		7	2,920.54	7		7	2,556.74
1/4		1/4		1/4		1/4		1/4	4,669.99	1/4		1/4	4,348.97	1/4		1/4	4,003.06	1/4		1/4	3,640.57	1/4		1/4	3,276.77	1/4		1/4	2,912.97	1/4		1/4	2,549.16
1/2		1/2		1/2		1/2		1/2	4,663.53	1/2		1/2	4,342.06	1/2		1/2	3,995.65	1/2		1/2	3,632.99	1/2		1/2	3,269.19	1/2		1/2	2,905.39	1/2		1/2	2,541.58
3/4		3/4		3/4		3/4		3/4	4,657.03	3/4		3/4	4,335.06	3/4		3/4	3,988.19	3/4		3/4	3,625.41	3/4		3/4	3,261.61	3/4		3/4	2,897.81	3/4		3/4	2,534.01
8		8		8		8		8	4,650.53	8		8	4,328.06	8		8	3,980.74	8		8	3,617.83	8		8	3,254.03	8		8	2,890.23	8		8	2,526.43
1/4		1/4		1/4		1/4		1/4	4,644.04	1/4		1/4	4,321.07	1/4		1/4	3,973.28	1/4		1/4	3,610.25	1/4		1/4	3,246.45	1/4		1/4	2,882.65	1/4		1/4	2,518.85
1/2		1/2		1/2		1/2		1/2	4,637.54	1/2		1/2	4,314.07	1/2		1/2	3,965.83	1/2		1/2	3,602.67	1/2		1/2	3,238.87	1/2		1/2	2,875.07	1/2		1/2	2,511.27
3/4		3/4		3/4		3/4		3/4	4,631.01	3/4		3/4	4,307.02	3/4		3/4	3,958.34	3/4		3/4	3,595.09	3/4		3/4	3,231.29	3/4		3/4	2,867.49	3/4		3/4	2,503.69
9		9		9		9		9	4,624.47	9		9	4,299.96	9		9	3,950.85	9		9	3,587.51	9		9	3,223.71	9		9	2,859.91	9		9	2,496.11
1/4		1/4		1/4		1/4		1/4	4,617.94	1/4		1/4	4,292.91	1/4		1/4	3,943.36	1/4		1/4	3,579.94	1/4		1/4	3,216.13	1/4		1/4	2,852.33	1/4		1/4	2,488.53
1/2		1/2		1/2		1/2		1/2	4,611.41	1/2		1/2	4,285.85	1/2		1/2	3,935.87	1/2		1/2	3,572.36	1/2		1/2	3,208.55	1/2		1/2	2,844.75	1/2		1/2	2,480.95
3/4		3/4		3/4		3/4		3/4	4,604.84	3/4		3/4	4,278.76	3/4		3/4	3,928.34	3/4		3/4	3,564.78	3/4		3/4	3,200.98	3/4		3/4	2,837.17	3/4		3/4	2,473.37
10		10		10		10		10	4,598.26	10		10	4,271.67	10		10	3,920.81	10		10	3,557.20	10		10	3,193.40	10		10	2,829.59	10		10	2,465.79
1/4		1/4		1/4		1/4		1/4	4,591.69	1/4		1/4	4,264.58	1/4		1/4	3,913.28	1/4		1/4	3,549.62	1/4		1/4	3,185.82	1/4		1/4	2,822.02	1/4		1/4	2,458.21
1/2		1/2		1/2		1/2		1/2	4,585.12	1/2		1/2	4,257.49	1/2		1/2	3,905.75	1/2		1/2	3,542.04	1/2		1/2	3,178.24	1/2		1/2	2,814.44	1/2		1/2	2,450.63
3/4		3/4		3/4		3/4		3/4	4,578.51	3/4		3/4	4,250.36	3/4		3/4	3,898.19	3/4		3/4	3,534.46	3/4		3/4	3,170.66	3/4		3/4	2,806.86	3/4		3/4	2,443.06
11		11		11		11		11	4,571.91	11		11	4,243.23	11		11	3,890.63	11		11	3,526.88	11		11	3,163.08	11		11	2,799.28	11		11	2,435.48
1/4		1/4		1/4		1/4		1/4	4,565.30	1/4		1/4	4,236.10	1/4		1/4	3,883.08	1/4		1/4	3,519.30	1/4		1/4	3,155.50	1/4		1/4	2,791.70	1/4			



BARGE "KIRBY 28168"

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	2,405.16	0	2,041.36	0	1,677.54	0	1,317.61	0	954.80	0	591.07	0	227.22	0		0		0	
1/4	2,397.58	1/4	2,033.78	1/4	1,669.96	1/4	1,310.03	1/4	947.25	1/4	583.49	1/4	219.64	1/4		1/4		1/4	
1/2	2,390.00	1/2	2,026.20	1/2	1,662.38	1/2	1,302.45	1/2	939.69	1/2	575.91	1/2	212.06	1/2		1/2		1/2	
3/4	2,382.42	3/4	2,018.62	3/4	1,654.81	3/4	1,294.87	3/4	932.13	3/4	568.33	3/4	204.48	3/4		3/4		3/4	
1	2,374.84	1	2,011.04	1	1,647.23	1	1,287.29	1	924.56	1	560.75	1	196.90	1		1		1	
1/4	2,367.26	1/4	2,003.46	1/4	1,639.65	1/4	1,279.71	1/4	916.99	1/4	553.17	1/4	189.33	1/4		1/4		1/4	
1/2	2,359.68	1/2	1,995.88	1/2	1,632.07	1/2	1,272.13	1/2	909.42	1/2	545.59	1/2	181.75	1/2		1/2		1/2	
3/4	2,352.10	3/4	1,988.30	3/4	1,624.49	3/4	1,264.55	3/4	901.84	3/4	538.01	3/4	174.18	3/4		3/4		3/4	
2	2,344.53	2	1,980.72	2	1,616.91	2	1,256.97	2	894.26	2	530.43	2	166.61	2		2		2	
1/4	2,336.95	1/4	1,973.14	1/4	1,609.33	1/4	1,249.39	1/4	886.68	1/4	522.85	1/4	159.04	1/4		1/4		1/4	
1/2	2,329.37	1/2	1,965.56	1/2	1,601.75	1/2	1,241.81	1/2	879.10	1/2	515.27	1/2	151.47	1/2		1/2		1/2	
3/4	2,321.79	3/4	1,957.98	3/4	1,594.17	3/4	1,234.24	3/4	871.52	3/4	507.69	3/4	143.91	3/4		3/4		3/4	
3	2,314.21	3	1,950.40	3	1,586.59	3	1,226.68	3	863.94	3	500.11	3	136.35	3		3		3	
1/4	2,306.63	1/4	1,942.82	1/4	1,579.01	1/4	1,219.11	1/4	856.36	1/4	492.53	1/4	128.79	1/4		1/4		1/4	
1/2	2,299.05	1/2	1,935.24	1/2	1,571.43	1/2	1,211.54	1/2	848.78	1/2	484.94	1/2	121.23	1/2		1/2		1/2	
3/4	2,291.47	3/4	1,927.66	3/4	1,563.93	3/4	1,203.99	3/4	841.21	3/4	477.36	3/4	113.69	3/4		3/4		3/4	
4	2,283.89	4	1,920.08	4	1,556.44	4	1,196.44	4	833.63	4	469.78	4	106.15	4		4		4	
1/4	2,276.31	1/4	1,912.51	1/4	1,548.94	1/4	1,188.88	1/4	826.05	1/4	462.20	1/4	98.62	1/4		1/4		1/4	
1/2	2,268.73	1/2	1,904.93	1/2	1,541.44	1/2	1,181.33	1/2	818.47	1/2	454.62	1/2	91.08	1/2		1/2		1/2	
3/4	2,261.15	3/4	1,897.35	3/4	1,534.02	3/4	1,173.78	3/4	810.89	3/4	447.04	3/4	83.57	3/4		3/4		3/4	
5	2,253.58	5	1,889.77	5	1,526.60	5	1,166.23	5	803.31	5	439.46	5	76.07	5		5		5	
1/4	2,246.00	1/4	1,882.19	1/4	1,519.19	1/4	1,158.68	1/4	795.73	1/4	431.88	1/4	68.56	1/4		1/4		1/4	
1/2	2,238.42	1/2	1,874.61	1/2	1,511.77	1/2	1,151.13	1/2	788.15	1/2	424.30	1/2	61.06	1/2		1/2		1/2	
3/4	2,230.84	3/4	1,867.03	3/4	1,504.35	3/4	1,143.58	3/4	780.57	3/4	416.72	3/4	54.16	3/4		3/4		3/4	
6	2,223.26	6	1,859.45	6	1,496.93	6	1,136.03	6	772.99	6	409.14	6	47.26	6		6		6	
1/4	2,215.68	1/4	1,851.87	1/4	1,489.52	1/4	1,128.47	1/4	765.41	1/4	401.56	1/4	40.36	1/4		1/4		1/4	
1/2	2,208.10	1/2	1,844.29	1/2	1,482.10	1/2	1,120.92	1/2	757.83	1/2	393.98	1/2	33.46	1/2		1/2		1/2	
3/4	2,200.52	3/4	1,836.71	3/4	1,474.68	3/4	1,113.37	3/4	750.25	3/4	386.40	3/4	28.41	3/4		3/4		3/4	
7	2,192.94	7	1,829.13	7	1,467.27	7	1,105.82	7	742.67	7	378.82	7	23.36	7		7		7	
1/4	2,185.36	1/4	1,821.55	1/4	1,459.85	1/4	1,098.27	1/4	735.09	1/4	371.24	1/4	18.31	1/4		1/4		1/4	
1/2	2,177.78	1/2	1,813.97	1/2	1,452.43	1/2	1,090.72	1/2	727.51	1/2	363.66	1/2	13.26	1/2		1/2		1/2	
3/4	2,170.20	3/4	1,806.39	3/4	1,445.01	3/4	1,083.17	3/4	719.93	3/4	356.08	3/4		3/4		3/4		3/4	
8	2,162.62	8	1,798.81	8	1,437.60	8	1,075.62	8	712.35	8	348.50	8		8		8		8	
1/4	2,155.05	1/4	1,791.23	1/4	1,430.18	1/4	1,068.07	1/4	704.77	1/4	340.92	1/4		1/4		1/4		1/4	
1/2	2,147.47	1/2	1,783.66	1/2	1,422.76	1/2	1,060.52	1/2	697.19	1/2	333.34	1/2		1/2		1/2		1/2	
3/4	2,139.89	3/4	1,776.08	3/4	1,415.34	3/4	1,052.97	3/4	689.61	3/4	325.76	3/4		3/4		3/4		3/4	
9	2,132.31	9	1,768.50	9	1,407.92	9	1,045.41	9	682.03	9	318.18	9		9		9		9	
1/4	2,124.73	1/4	1,760.92	1/4	1,400.51	1/4	1,037.86	1/4	674.45	1/4	310.60	1/4		1/4		1/4		1/4	
1/2	2,117.15	1/2	1,753.34	1/2	1,393.09	1/2	1,030.31	1/2	666.87	1/2	303.02	1/2		1/2		1/2		1/2	
3/4	2,109.57	3/4	1,745.76	3/4	1,385.59	3/4	1,022.76	3/4	659.29	3/4	295.44	3/4		3/4		3/4		3/4	
10	2,101.99	10	1,738.18	10	1,378.09	10	1,015.21	10	651.71	10	287.86	10		10		10		10	
1/4	2,094.41	1/4	1,730.60	1/4	1,370.59	1/4	1,007.66	1/4	644.13	1/4	280.28	1/4		1/4		1/4		1/4	
1/2	2,086.83	1/2	1,723.02	1/2	1,363.09	1/2	1,000.11	1/2	636.55	1/2	272.70	1/2		1/2		1/2		1/2	
3/4	2,079.25	3/4	1,715.44	3/4	1,355.51	3/4	992.56	3/4	628.97	3/4	265.12	3/4		3/4		3/4		3/4	
11	2,071.67	11	1,707.86	11	1,347.93	11	985.01	11	621.39	11	257.54	11		11		11		11	
1/4	2,064.10	1/4	1,700.28	1/4	1,340.35	1/4	977.46	1/4	613.81	1/4	249.96	1/4		1/4		1/4		1/4	
1/2	2,056.52	1/2	1,692.70	1/2	1,332.77	1/2	969.91	1/2	606.23	1/2	242.38	1/2		1/2		1/2		1/2	
3/4	2,048.94	3/4	1,685.12	3/4	1,325.19	3/4	962.35	3/4	598.65	3/4	234.80	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/11/2011 CL - SW
CALCULATED: 04/11/2011 CL
PRINTED: 04/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

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



BARGE "KIRBY 28168"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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
									4,217.93		3,957.35		3,682.77		3,402.64		3,041.93		2,678.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,212.63	1/4	3,951.74	1/4	3,676.94	1/4	3,395.92	1/4	3,034.35	1/4	2,670.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,462.31	1/2	4,207.34	1/2	3,946.12	1/2	3,671.11	1/2	3,389.21	1/2	3,026.78	1/2	2,663.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,457.58	3/4	4,202.04	3/4	3,940.51	3/4	3,665.27	3/4	3,382.49	3/4	3,019.20	3/4	2,655.49
1	1	1	1	1	1	1	1	1	4,196.75	1	3,934.90	1	3,659.44	1	3,375.77	1	3,011.62	1	2,647.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,447.81	1/4	4,191.44	1/4	3,929.26	1/4	3,653.60	1/4	3,368.18	1/4	3,004.04	1/4	2,640.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,442.77	1/2	4,186.13	1/2	3,923.63	1/2	3,647.76	1/2	3,360.58	1/2	2,996.47	1/2	2,632.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,437.73	3/4	4,180.82	3/4	3,917.99	3/4	3,641.93	3/4	3,352.98	3/4	2,988.89	3/4	2,625.18
2	2	2	2	2	2	2	2	2	4,432.69	2	4,175.50	2	3,912.36	2	3,636.09	2	3,345.38	2	2,981.31	2	2,617.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,427.01	1/4	4,170.17	1/4	3,906.70	1/4	3,630.26	1/4	3,337.79	1/4	2,973.74	1/4	2,610.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,421.34	1/2	4,164.84	1/2	3,901.05	1/2	3,624.42	1/2	3,330.19	1/2	2,966.16	1/2	2,602.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,415.67	3/4	4,159.51	3/4	3,895.40	3/4	3,618.58	3/4	3,322.59	3/4	2,958.58	3/4	2,594.87
3	3	3	3	3	3	3	3	3	4,409.99	3	4,154.18	3	3,889.74	3	3,612.75	3	3,314.99	3	2,951.00	3	2,587.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,404.24	1/4	4,148.83	1/4	3,884.07	1/4	3,606.91	1/4	3,307.40	1/4	2,943.43	1/4	2,579.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,398.49	1/2	4,143.48	1/2	3,878.40	1/2	3,601.07	1/2	3,299.80	1/2	2,935.85	1/2	2,572.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,392.74	3/4	4,138.13	3/4	3,872.72	3/4	3,595.24	3/4	3,292.20	3/4	2,928.27	3/4	2,564.56
4	4	4	4	4	4	4	4	4	4,386.99	4	4,132.78	4	3,867.05	4	3,589.40	4	3,284.60	4	2,920.69	4	2,556.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,381.38	1/4	4,127.41	1/4	3,861.36	1/4	3,583.57	1/4	3,277.01	1/4	2,913.12	1/4	2,549.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,375.78	1/2	4,122.04	1/2	3,855.67	1/2	3,577.73	1/2	3,269.41	1/2	2,905.54	1/2	2,541.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,370.18	3/4	4,116.67	3/4	3,849.98	3/4	3,571.89	3/4	3,261.81	3/4	2,897.96	3/4	2,534.25
5	5	5	5	5	5	5	5	5	4,364.58	5	4,111.30	5	3,844.29	5	3,566.06	5	3,254.22	5	2,890.39	5	2,526.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,359.27	1/4	4,105.91	1/4	3,838.58	1/4	3,560.22	1/4	3,246.62	1/4	2,882.81	1/4	2,519.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,353.96	1/2	4,100.52	1/2	3,832.87	1/2	3,554.38	1/2	3,239.02	1/2	2,875.23	1/2	2,511.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,348.65	3/4	4,095.13	3/4	3,827.16	3/4	3,548.55	3/4	3,231.42	3/4	2,867.65	3/4	2,503.94
6	6	6	6	6	6	6	6	6	4,343.34	6	4,089.74	6	3,821.45	6	3,542.71	6	3,223.83	6	2,860.08	6	2,496.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,338.16	1/4	4,084.33	1/4	3,815.72	1/4	3,536.87	1/4	3,216.24	1/4	2,852.50	1/4	2,488.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,332.99	1/2	4,078.92	1/2	3,810.00	1/2	3,531.04	1/2	3,208.65	1/2	2,844.92	1/2	2,481.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,327.81	3/4	4,073.51	3/4	3,804.27	3/4	3,525.20	3/4	3,201.06	3/4	2,837.34	3/4	2,473.63
7	7	7	7	7	7	7	7	7	4,322.63	7	4,068.10	7	3,798.54	7	3,519.37	7	3,193.48	7	2,829.77	7	2,466.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,317.44	1/4	4,062.65	1/4	3,792.79	1/4	3,513.53	1/4	3,185.90	1/4	2,822.19	1/4	2,458.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,312.24	1/2	4,057.20	1/2	3,787.04	1/2	3,507.69	1/2	3,178.32	1/2	2,814.61	1/2	2,450.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,307.05	3/4	4,051.75	3/4	3,781.29	3/4	3,501.86	3/4	3,170.75	3/4	2,807.03	3/4	2,443.32
8	8	8	8	8	8	8	8	8	4,301.85	8	4,046.30	8	3,775.54	8	3,496.02	8	3,163.17	8	2,799.46	8	2,435.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,296.64	1/4	4,040.78	1/4	3,769.77	1/4	3,490.18	1/4	3,155.59	1/4	2,791.88	1/4	2,428.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,291.42	1/2	4,035.27	1/2	3,764.00	1/2	3,484.35	1/2	3,148.01	1/2	2,784.30	1/2	2,420.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,286.21	3/4	4,029.76	3/4	3,758.23	3/4	3,478.51	3/4	3,140.44	3/4	2,776.73	3/4	2,413.02
9	9	9	9	9	9	9	9	9	4,280.99	9	4,024.24	9	3,752.47	9	3,472.68	9	3,132.86	9	2,769.15	9	2,405.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,275.76	1/4	4,018.69	1/4	3,746.68	1/4	3,466.84	1/4	3,125.28	1/4	2,761.57	1/4	2,397.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,270.52	1/2	4,013.14	1/2	3,740.89	1/2	3,461.00	1/2	3,117.70	1/2	2,753.99	1/2	2,390.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,265.29	3/4	4,007.58	3/4	3,735.10	3/4	3,455.17	3/4	3,110.13	3/4	2,746.42	3/4	2,382.71
10	10	10	10	10	10	10	10	10	4,260.05	10	4,002.03	10	3,729.31	10	3,449.33	10	3,102.55	10	2,738.84	10	2,375.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,254.79	1/4	3,996.45	1/4	3,723.50	1/4	3,443.49	1/4	3,094.97	1/4	2,731.26	1/4	2,367.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,249.54	1/2	3,990.88	1/2	3,717.69	1/2	3,437.66	1/2	3,087.40	1/2	2,723.68	1/2	2,359.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,244.28	3/4	3,985.30	3/4	3,711.88	3/4	3,431.82	3/4	3,079.82	3/4	2,716.11	3/4	2,352.40
11	11	11	11	11	11	11	11	11	4,239.03	11	3,979.73	11	3,706.08	11	3,425.99	11	3,072.24	11	2,708.53	11	2,344.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,233.75	1/4	3,974.13	1/4	3,700.25	1/4	3,420.15	1/4	3,064.66	1/4	2,700.95	1/4	2,337.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,228.48	1/2	3,968.54	1/2	3,694.42	1/2	3,414.31	1/2	3,057.09	1/2	2,693.38	1/2	2,329.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,223.20	3/4	3,962.95	3/4	3,688.60	3/4	3,408.48	3/4	3,049.51	3/4	2,685.80	3/4	2,322.09

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 52'-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 28168"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	2,314.51	0	1,950.80	0	1,587.13	0	1,227.95	0	873.15	0	516.60	0	151.88	0		0		0	
1/4	2,306.93	1/4	1,943.22	1/4	1,579.57	1/4	1,220.39	1/4	865.79	1/4	509.00	1/4	144.60	1/4	1/4	1/4		1/4	
1/2	2,299.36	1/2	1,935.64	1/2	1,572.02	1/2	1,212.83	1/2	858.43	1/2	501.40	1/2	137.32	1/2	1/2	1/2		1/2	
3/4	2,291.78	3/4	1,928.07	3/4	1,564.46	3/4	1,205.26	3/4	851.07	3/4	493.80	3/4	130.03	3/4	3/4	3/4		3/4	
1	2,284.20	1	1,920.49	1	1,556.91	1	1,197.70	1	843.71	1	486.20	1	122.75	1	1	1		1	
1/4	2,276.62	1/4	1,912.91	1/4	1,549.36	1/4	1,190.14	1/4	836.33	1/4	478.61	1/4	116.42	1/4	1/4	1/4		1/4	
1/2	2,269.05	1/2	1,905.33	1/2	1,541.80	1/2	1,182.58	1/2	828.96	1/2	471.01	1/2	110.09	1/2	1/2	1/2		1/2	
3/4	2,261.47	3/4	1,897.76	3/4	1,534.25	3/4	1,175.01	3/4	821.58	3/4	463.41	3/4	103.76	3/4	3/4	3/4		3/4	
2	2,253.89	2	1,890.18	2	1,526.69	2	1,167.45	2	814.21	2	455.81	2	97.43	2	2	2		2	
1/4	2,246.31	1/4	1,882.60	1/4	1,519.14	1/4	1,160.00	1/4	806.82	1/4	448.21	1/4	92.37	1/4	1/4	1/4		1/4	
1/2	2,238.74	1/2	1,875.02	1/2	1,511.59	1/2	1,152.54	1/2	799.43	1/2	440.62	1/2	87.31	1/2	1/2	1/2		1/2	
3/4	2,231.16	3/4	1,867.45	3/4	1,504.03	3/4	1,145.08	3/4	792.05	3/4	433.02	3/4	82.25	3/4	3/4	3/4		3/4	
3	2,223.58	3	1,859.87	3	1,496.48	3	1,137.62	3	784.66	3	425.42	3	77.19	3	3	3		3	
1/4	2,216.01	1/4	1,852.29	1/4	1,488.92	1/4	1,130.28	1/4	777.27	1/4	417.82	1/4	73.41	1/4	1/4	1/4		1/4	
1/2	2,208.43	1/2	1,844.71	1/2	1,481.37	1/2	1,122.93	1/2	769.88	1/2	410.22	1/2	69.63	1/2	1/2	1/2		1/2	
3/4	2,200.85	3/4	1,837.14	3/4	1,473.82	3/4	1,115.58	3/4	762.50	3/4	402.62	3/4	65.85	3/4	3/4	3/4		3/4	
4	2,193.27	4	1,829.56	4	1,466.26	4	1,108.23	4	755.11	4	395.03	4	62.07	4	4	4		4	
1/4	2,185.70	1/4	1,821.98	1/4	1,458.79	1/4	1,100.89	1/4	747.72	1/4	387.43	1/4	59.57	1/4	1/4	1/4		1/4	
1/2	2,178.12	1/2	1,814.40	1/2	1,451.32	1/2	1,093.55	1/2	740.33	1/2	379.83	1/2	57.07	1/2	1/2	1/2		1/2	
3/4	2,170.54	3/4	1,806.83	3/4	1,443.84	3/4	1,086.21	3/4	732.95	3/4	372.23	3/4	54.58	3/4	3/4	3/4		3/4	
5	2,162.96	5	1,799.25	5	1,436.37	5	1,078.86	5	725.56	5	364.63	5	52.08	5	5	5		5	
1/4	2,155.39	1/4	1,791.67	1/4	1,428.97	1/4	1,071.52	1/4	718.17	1/4	357.03	1/4	50.88	1/4	1/4	1/4		1/4	
1/2	2,147.81	1/2	1,784.09	1/2	1,421.56	1/2	1,064.18	1/2	710.78	1/2	349.44	1/2	49.68	1/2	1/2	1/2		1/2	
3/4	2,140.23	3/4	1,776.52	3/4	1,414.16	3/4	1,056.84	3/4	703.40	3/4	341.84	3/4	48.48	3/4	3/4	3/4		3/4	
6	2,132.66	6	1,768.94	6	1,406.75	6	1,049.50	6	696.01	6	334.24	6	47.29	6	6	6		6	
1/4	2,125.08	1/4	1,761.36	1/4	1,399.34	1/4	1,042.16	1/4	688.62	1/4	326.64	1/4		1/4	1/4	1/4		1/4	
1/2	2,117.50	1/2	1,753.78	1/2	1,391.92	1/2	1,034.82	1/2	681.23	1/2	319.04	1/2		1/2	1/2	1/2		1/2	
3/4	2,109.92	3/4	1,746.21	3/4	1,384.51	3/4	1,027.48	3/4	673.85	3/4	311.44	3/4		3/4	3/4	3/4		3/4	
7	2,102.35	7	1,738.63	7	1,377.09	7	1,020.14	7	666.46	7	303.85	7		7	7	7		7	
1/4	2,094.77	1/4	1,731.05	1/4	1,369.67	1/4	1,012.80	1/4	659.07	1/4	296.25	1/4		1/4	1/4	1/4		1/4	
1/2	2,087.19	1/2	1,723.47	1/2	1,362.26	1/2	1,005.46	1/2	651.68	1/2	288.65	1/2		1/2	1/2	1/2		1/2	
3/4	2,079.61	3/4	1,715.90	3/4	1,354.84	3/4	998.12	3/4	644.30	3/4	281.05	3/4		3/4	3/4	3/4		3/4	
8	2,072.04	8	1,708.32	8	1,347.42	8	990.78	8	636.91	8	273.45	8		8	8	8		8	
1/4	2,064.46	1/4	1,700.74	1/4	1,340.01	1/4	983.44	1/4	629.52	1/4	265.85	1/4		1/4	1/4	1/4		1/4	
1/2	2,056.88	1/2	1,693.16	1/2	1,332.59	1/2	976.10	1/2	622.13	1/2	258.26	1/2		1/2	1/2	1/2		1/2	
3/4	2,049.30	3/4	1,685.59	3/4	1,325.17	3/4	968.76	3/4	614.75	3/4	250.66	3/4		3/4	3/4	3/4		3/4	
9	2,041.73	9	1,678.01	9	1,317.76	9	961.42	9	607.36	9	243.06	9		9	9	9		9	
1/4	2,034.15	1/4	1,670.43	1/4	1,310.35	1/4	954.07	1/4	599.86	1/4	235.46	1/4		1/4	1/4	1/4		1/4	
1/2	2,026.57	1/2	1,662.85	1/2	1,302.94	1/2	946.72	1/2	592.37	1/2	227.86	1/2		1/2	1/2	1/2		1/2	
3/4	2,019.00	3/4	1,655.28	3/4	1,295.53	3/4	939.37	3/4	584.88	3/4	220.26	3/4		3/4	3/4	3/4		3/4	
10	2,011.42	10	1,647.70	10	1,288.12	10	932.02	10	577.38	10	212.67	10		10	10	10		10	
1/4	2,003.84	1/4	1,640.12	1/4	1,280.64	1/4	924.66	1/4	569.79	1/4	205.07	1/4		1/4	1/4	1/4		1/4	
1/2	1,996.26	1/2	1,632.54	1/2	1,273.16	1/2	917.30	1/2	562.19	1/2	197.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,988.69	3/4	1,624.97	3/4	1,265.68	3/4	909.94	3/4	554.59	3/4	189.87	3/4		3/4	3/4	3/4		3/4	
11	1,981.11	11	1,617.39	11	1,258.20	11	902.58	11	546.99	11	182.27	11		11	11	11		11	
1/4	1,973.53	1/4	1,609.82	1/4	1,250.64	1/4	895.23	1/4	539.39	1/4	174.67	1/4		1/4	1/4	1/4		1/4	
1/2	1,965.95	1/2	1,602.26	1/2	1,243.07	1/2	887.87	1/2	531.79	1/2	167.08	1/2		1/2	1/2	1/2		1/2	
3/4	1,958.38	3/4	1,594.69	3/4	1,235.51	3/4	880.51	3/4	524.20	3/4	159.48	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/11/2011 CL - SW
CALCULATED: 04/11/2011 CL
PRINTED: 04/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

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



BARGE "KIRBY 28168"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,478.87	1/4	4,223.43	1/4	3,961.99	1/4	3,686.85	1/4	3,404.16	1/4	3,040.50	1/4	2,675.96		
1/2		1/2		1/2		1/2	4,474.14	1/2	4,218.14	1/2	3,956.37	1/2	3,681.01	1/2	3,397.45	1/2	3,032.91	1/2	2,668.37		
3/4		3/4		3/4		3/4	4,469.10	3/4	4,212.83	3/4	3,950.74	3/4	3,675.18	3/4	3,389.85	3/4	3,025.31	3/4	2,660.77		
1		1		1		1	4,464.06	1	4,207.52	1	3,945.11	1	3,669.35	1	3,382.26	1	3,017.72	1	2,653.18		
1/4		1/4		1/4		1/4	4,459.03	1/4	4,202.21	1/4	3,939.48	1/4	3,663.51	1/4	3,374.66	1/4	3,010.12	1/4	2,645.58		
1/2		1/2		1/2		1/2	4,453.99	1/2	4,196.90	1/2	3,933.85	1/2	3,657.68	1/2	3,367.07	1/2	3,002.53	1/2	2,637.99		
3/4		3/4		3/4		3/4	4,448.32	3/4	4,191.57	3/4	3,928.19	3/4	3,651.84	3/4	3,359.47	3/4	2,994.93	3/4	2,630.39		
2		2		2		2	4,442.65	2	4,186.24	2	3,922.54	2	3,646.01	2	3,351.88	2	2,987.34	2	2,622.80		
1/4		1/4		1/4		1/4	4,436.98	1/4	4,180.91	1/4	3,916.89	1/4	3,640.17	1/4	3,344.28	1/4	2,979.74	1/4	2,615.20		
1/2		1/2		1/2		1/2	4,431.30	1/2	4,175.59	1/2	3,911.24	1/2	3,634.34	1/2	3,336.69	1/2	2,972.15	1/2	2,607.61		
3/4		3/4		3/4		3/4	4,425.55	3/4	4,170.24	3/4	3,905.57	3/4	3,628.51	3/4	3,329.10	3/4	2,964.55	3/4	2,600.01		
3		3		3		3	4,419.80	3	4,164.89	3	3,899.90	3	3,622.67	3	3,321.50	3	2,956.96	3	2,592.42		
1/4		1/4		1/4		1/4	4,414.06	1/4	4,159.54	1/4	3,894.23	1/4	3,616.84	1/4	3,313.91	1/4	2,949.37	1/4	2,584.82		
1/2		1/2		1/2		1/2	4,408.31	1/2	4,154.19	1/2	3,888.55	1/2	3,611.00	1/2	3,306.31	1/2	2,941.77	1/2	2,577.23		
3/4		3/4		3/4		3/4	4,402.70	3/4	4,148.82	3/4	3,882.87	3/4	3,605.17	3/4	3,298.72	3/4	2,934.18	3/4	2,569.64		
4		4		4		4	4,397.10	4	4,143.46	4	3,877.18	4	3,599.33	4	3,291.12	4	2,926.58	4	2,562.04		
1/4		1/4		1/4		1/4	4,391.50	1/4	4,138.09	1/4	3,871.49	1/4	3,593.50	1/4	3,283.53	1/4	2,918.99	1/4	2,554.45		
1/2		1/2		1/2		1/2	4,385.90	1/2	4,132.72	1/2	3,865.80	1/2	3,587.67	1/2	3,275.93	1/2	2,911.39	1/2	2,546.85		
3/4		3/4		3/4		3/4	4,380.59	3/4	4,127.33	3/4	3,860.09	3/4	3,581.83	3/4	3,268.34	3/4	2,903.80	3/4	2,539.26		
5		5		5		5	4,375.29	5	4,121.94	5	3,854.39	5	3,576.00	5	3,260.74	5	2,896.20	5	2,531.66		
1/4		1/4		1/4		1/4	4,369.98	1/4	4,116.56	1/4	3,848.68	1/4	3,570.16	1/4	3,253.15	1/4	2,888.61	1/4	2,524.07		
1/2		1/2		1/2		1/2	4,364.67	1/2	4,111.17	1/2	3,842.97	1/2	3,564.33	1/2	3,245.55	1/2	2,881.01	1/2	2,516.47		
3/4		3/4		3/4		3/4	4,359.50	3/4	4,105.76	3/4	3,837.25	3/4	3,558.50	3/4	3,237.96	3/4	2,873.42	3/4	2,508.88		
6		6		6		6	4,354.32	6	4,100.35	6	3,831.52	6	3,552.66	6	3,230.37	6	2,865.82	6	2,501.28		
1/4		1/4		1/4		1/4	4,349.15	1/4	4,094.94	1/4	3,825.79	1/4	3,546.83	1/4	3,222.77	1/4	2,858.23	1/4	2,493.69		
1/2		1/2		1/2		1/2	4,343.98	1/2	4,089.53	1/2	3,820.07	1/2	3,540.99	1/2	3,215.18	1/2	2,850.64	1/2	2,486.09		
3/4		3/4		3/4		3/4	4,338.78	3/4	4,084.09	3/4	3,814.32	3/4	3,535.16	3/4	3,207.58	3/4	2,843.04	3/4	2,478.50		
7		7		7		7	4,333.59	7	4,078.64	7	3,808.57	7	3,529.32	7	3,199.99	7	2,835.45	7	2,470.91		
1/4		1/4		1/4		1/4	4,328.40	1/4	4,073.19	1/4	3,802.82	1/4	3,523.49	1/4	3,192.39	1/4	2,827.85	1/4	2,463.31		
1/2		1/2		1/2		1/2	4,323.20	1/2	4,067.74	1/2	3,797.08	1/2	3,517.66	1/2	3,184.80	1/2	2,820.26	1/2	2,455.72		
3/4		3/4		3/4		3/4	4,317.99	3/4	4,062.23	3/4	3,791.31	3/4	3,511.82	3/4	3,177.20	3/4	2,812.66	3/4	2,448.12		
8		8		8		8	4,312.78	8	4,056.72	8	3,785.54	8	3,505.99	8	3,169.61	8	2,805.07	8	2,440.53		
1/4		1/4		1/4		1/4	4,307.56	1/4	4,051.20	1/4	3,779.78	1/4	3,500.15	1/4	3,162.01	1/4	2,797.47	1/4	2,432.93		
1/2		1/2		1/2		1/2	4,302.35	1/2	4,045.69	1/2	3,774.01	1/2	3,494.32	1/2	3,154.42	1/2	2,789.88	1/2	2,425.34		
3/4		3/4		3/4		3/4	4,297.11	3/4	4,040.14	3/4	3,768.22	3/4	3,488.49	3/4	3,146.83	3/4	2,782.28	3/4	2,417.74		
9		9		9		9	4,291.88	9	4,034.59	9	3,762.44	9	3,482.65	9	3,139.23	9	2,774.69	9	2,410.15		
1/4		1/4		1/4		1/4	4,286.65	1/4	4,029.04	1/4	3,756.65	1/4	3,476.82	1/4	3,131.64	1/4	2,767.10	1/4	2,402.55		
1/2		1/2		1/2		1/2	4,281.41	1/2	4,023.48	1/2	3,750.86	1/2	3,470.98	1/2	3,124.04	1/2	2,759.50	1/2	2,394.96		
3/4		3/4		3/4		3/4	4,276.16	3/4	4,017.91	3/4	3,745.06	3/4	3,465.15	3/4	3,116.45	3/4	2,751.91	3/4	2,387.37		
10		10		10		10	4,270.91	10	4,012.34	10	3,739.25	10	3,459.31	10	3,108.85	10	2,744.31	10	2,379.77		
1/4		1/4		1/4		1/4	4,265.65	1/4	4,006.77	1/4	3,733.44	1/4	3,453.48	1/4	3,101.26	1/4	2,736.72	1/4	2,372.18		
1/2		1/2		1/2		1/2	4,260.40	1/2	4,001.19	1/2	3,727.64	1/2	3,447.65	1/2	3,093.66	1/2	2,729.12	1/2	2,364.58		
3/4		3/4		3/4		3/4	4,255.13	3/4	3,995.60	3/4	3,721.81	3/4	3,441.81	3/4	3,086.07	3/4	2,721.53	3/4	2,356.99		
11		11		11		11	4,249.85	11	3,990.01	11	3,715.99	11	3,435.98	11	3,078.47	11	2,713.93	11	2,349.39		
1/4		1/4		1/4		1/4	4,244.58	1/4	3,984.42	1/4	3,710.17	1/4	3,430.14	1/4	3,070.88	1/4	2,706.34	1/4	2,341.80		
1/2		1/2		1/2		1/2	4,493.06	1/2	4,239.31	1/2	3,978.82	1/2	3,704.34	1/2	3,424.31	1/2	3,063.28	1/2	2,334.20		
3/4		3/4		3/4		3/4	4,488.33	3/4	4,234.01	3/4	3,973.21	3/4	3,698.51	3/4	3,417.59	3/4	3,055.69	3/4	2,691.15		
12		12		12		12	4,483.60	12	4,228.72	12	3,967.60	12	3,692.68	12	3,410.88	12	3,048.10	12	2,683.55		

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 52'-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 28168"

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
	2,311.42		1,946.88		1,582.32		1,221.65		858.13		493.63		129.99						
1/4	2,303.82	1/4	1,939.28	1/4	1,574.73	1/4	1,214.06	1/4	850.56	1/4	486.03	1/4	122.71	1/4		1/4		1/4	
1/2	2,296.23	1/2	1,931.69	1/2	1,567.13	1/2	1,206.46	1/2	842.98	1/2	478.44	1/2	116.38	1/2		1/2		1/2	
3/4	2,288.64	3/4	1,924.09	3/4	1,559.54	3/4	1,198.86	3/4	835.39	3/4	470.84	3/4	110.05	3/4		3/4		3/4	
1	2,281.04	1	1,916.50	1	1,551.95	1	1,191.27	1	827.81	1	463.25	1	103.72	1		1		1	
1/4	2,273.45	1/4	1,908.90	1/4	1,544.35	1/4	1,183.67	1/4	820.23	1/4	455.65	1/4	97.40	1/4		1/4		1/4	
1/2	2,265.85	1/2	1,901.31	1/2	1,536.76	1/2	1,176.08	1/2	812.63	1/2	448.05	1/2	92.34	1/2		1/2		1/2	
3/4	2,258.26	3/4	1,893.71	3/4	1,529.16	3/4	1,168.48	3/4	805.04	3/4	440.46	3/4	87.28	3/4		3/4		3/4	
2	2,250.66	2	1,886.12	2	1,521.57	2	1,160.89	2	797.44	2	432.86	2	82.22	2		2		2	
1/4	2,243.07	1/4	1,878.52	1/4	1,513.97	1/4	1,153.29	1/4	789.85	1/4	425.27	1/4	77.17	1/4		1/4		1/4	
1/2	2,235.47	1/2	1,870.93	1/2	1,506.38	1/2	1,145.71	1/2	782.25	1/2	417.67	1/2	73.39	1/2		1/2		1/2	
3/4	2,227.88	3/4	1,863.33	3/4	1,498.78	3/4	1,138.13	3/4	774.66	3/4	410.08	3/4	69.61	3/4		3/4		3/4	
3	2,220.28	3	1,855.74	3	1,491.19	3	1,130.54	3	767.06	3	402.48	3	65.83	3		3		3	
1/4	2,212.69	1/4	1,848.14	1/4	1,483.59	1/4	1,122.96	1/4	759.47	1/4	394.88	1/4	62.05	1/4		1/4		1/4	
1/2	2,205.09	1/2	1,840.55	1/2	1,476.08	1/2	1,115.39	1/2	751.87	1/2	387.29	1/2	59.55	1/2		1/2		1/2	
3/4	2,197.50	3/4	1,832.95	3/4	1,468.56	3/4	1,107.82	3/4	744.28	3/4	379.69	3/4	57.05	3/4		3/4		3/4	
4	2,189.91	4	1,825.36	4	1,461.05	4	1,100.26	4	736.68	4	372.10	4	54.56	4		4		4	
1/4	2,182.31	1/4	1,817.76	1/4	1,453.54	1/4	1,092.69	1/4	729.09	1/4	364.50	1/4	52.06	1/4		1/4		1/4	
1/2	2,174.72	1/2	1,810.17	1/2	1,446.10	1/2	1,085.12	1/2	721.49	1/2	356.91	1/2	50.86	1/2		1/2		1/2	
3/4	2,167.12	3/4	1,802.57	3/4	1,438.67	3/4	1,077.56	3/4	713.90	3/4	349.31	3/4	49.67	3/4		3/4		3/4	
5	2,159.53	5	1,794.98	5	1,431.24	5	1,069.99	5	706.30	5	341.72	5	48.47	5		5		5	
1/4	2,151.93	1/4	1,787.38	1/4	1,423.81	1/4	1,062.42	1/4	698.70	1/4	334.12	1/4	47.27	1/4		1/4		1/4	
1/2	2,144.34	1/2	1,779.79	1/2	1,416.37	1/2	1,054.86	1/2	691.11	1/2	326.52	1/2		1/2		1/2		1/2	
3/4	2,136.74	3/4	1,772.19	3/4	1,408.94	3/4	1,047.29	3/4	683.51	3/4	318.93	3/4		3/4		3/4		3/4	
6	2,129.15	6	1,764.60	6	1,401.51	6	1,039.72	6	675.92	6	311.33	6		6		6		6	
1/4	2,121.55	1/4	1,757.00	1/4	1,394.07	1/4	1,032.16	1/4	668.32	1/4	303.74	1/4		1/4		1/4		1/4	
1/2	2,113.96	1/2	1,749.41	1/2	1,386.64	1/2	1,024.59	1/2	660.73	1/2	296.14	1/2		1/2		1/2		1/2	
3/4	2,106.36	3/4	1,741.82	3/4	1,379.21	3/4	1,017.02	3/4	653.13	3/4	288.55	3/4		3/4		3/4		3/4	
7	2,098.77	7	1,734.22	7	1,371.78	7	1,009.46	7	645.54	7	280.95	7		7		7		7	
1/4	2,091.18	1/4	1,726.63	1/4	1,364.34	1/4	1,001.89	1/4	637.94	1/4	273.36	1/4		1/4		1/4		1/4	
1/2	2,083.58	1/2	1,719.03	1/2	1,356.91	1/2	994.33	1/2	630.35	1/2	265.76	1/2		1/2		1/2		1/2	
3/4	2,075.99	3/4	1,711.44	3/4	1,349.48	3/4	986.76	3/4	622.75	3/4	258.16	3/4		3/4		3/4		3/4	
8	2,068.39	8	1,703.84	8	1,342.04	8	979.19	8	615.16	8	250.57	8		8		8		8	
1/4	2,060.80	1/4	1,696.25	1/4	1,334.61	1/4	971.63	1/4	607.56	1/4	242.97	1/4		1/4		1/4		1/4	
1/2	2,053.20	1/2	1,688.65	1/2	1,327.18	1/2	964.06	1/2	599.97	1/2	235.38	1/2		1/2		1/2		1/2	
3/4	2,045.61	3/4	1,681.06	3/4	1,319.74	3/4	956.49	3/4	592.37	3/4	227.78	3/4		3/4		3/4		3/4	
9	2,038.01	9	1,673.46	9	1,312.31	9	948.93	9	584.78	9	220.19	9		9		9		9	
1/4	2,030.42	1/4	1,665.87	1/4	1,304.88	1/4	941.36	1/4	577.18	1/4	212.59	1/4		1/4		1/4		1/4	
1/2	2,022.82	1/2	1,658.27	1/2	1,297.36	1/2	933.80	1/2	569.58	1/2	204.99	1/2		1/2		1/2		1/2	
3/4	2,015.23	3/4	1,650.68	3/4	1,289.85	3/4	926.23	3/4	561.99	3/4	197.40	3/4		3/4		3/4		3/4	
10	2,007.64	10	1,643.08	10	1,282.33	10	918.66	10	554.39	10	189.80	10		10		10		10	
1/4	2,000.04	1/4	1,635.49	1/4	1,274.82	1/4	911.10	1/4	546.80	1/4	182.21	1/4		1/4		1/4		1/4	
1/2	1,992.45	1/2	1,627.89	1/2	1,267.22	1/2	903.53	1/2	539.20	1/2	174.61	1/2		1/2		1/2		1/2	
3/4	1,984.85	3/4	1,620.30	3/4	1,259.63	3/4	895.96	3/4	531.61	3/4	167.02	3/4		3/4		3/4		3/4	
11	1,977.26	11	1,612.70	11	1,252.03	11	888.40	11	524.01	11	159.42	11		11		11		11	
1/4	1,969.66	1/4	1,605.11	1/4	1,244.44	1/4	880.83	1/4	516.41	1/4	151.83	1/4		1/4		1/4		1/4	
1/2	1,962.07	1/2	1,597.51	1/2	1,236.84	1/2	873.26	1/2	508.82	1/2	144.55	1/2		1/2		1/2		1/2	
3/4	1,954.47	3/4	1,589.92	3/4	1,229.25	3/4	865.69	3/4	501.22	3/4	137.27	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/11/2011 CL - SW
CALCULATED: 04/11/2011 CL
PRINTED: 04/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

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