

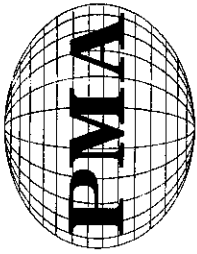


******KIRBY 29307******



Barge Strapping Tables





BARGE "KIRBY 29307"

ULLAGE TRIM TABLE

FORMERLY "HW 2903"

	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	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 PORT	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8
2 STBD	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT	=	2'-00"
AFT DRAFT	=	4'-00"
DIFF.	=	2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 220'-03"

August 20, 2002

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

<http://www.pmacorp.net>



GAUGE HEIGHT 17'-03 1/4"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY:

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 11'-00" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD.

[Signature]



BARGE "KIRBY 29307"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "HW 2903"

GAUGE HEIGHT 17'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,448.33	0	2,079.21	0	1,710.12	0	1,341.62	0	983.02	0	643.33	0	324.81	0	56.57	0			
1/4	2,440.64	1/4	2,071.52	1/4	1,702.43	1/4	1,333.95	1/4	975.71	1/4	636.43	1/4	318.43	1/4	51.95	1/4	1/4		
1/2	2,432.95	1/2	2,063.83	1/2	1,694.74	1/2	1,326.28	1/2	968.38	1/2	629.54	1/2	312.02	1/2	47.33	1/2	1/2		
3/4	2,425.26	3/4	2,056.14	3/4	1,687.04	3/4	1,318.62	3/4	961.07	3/4	622.64	3/4	305.64	3/4	42.74	3/4	3/4		
1	2,417.57	1	2,048.47	1	1,679.35	1	1,310.97	1	953.74	1	615.74	1	299.26	1	38.12	1	1		
1/4	2,409.88	1/4	2,040.78	1/4	1,671.66	1/4	1,303.31	1/4	946.43	1/4	608.83	1/4	292.85	1/4	33.62	1/4	1/4		
1/2	2,402.19	1/2	2,033.09	1/2	1,663.97	1/2	1,295.76	1/2	939.26	1/2	602.07	1/2	286.74	1/2	30.09	1/2	1/2		
3/4	2,394.50	3/4	2,025.40	3/4	1,656.28	3/4	1,288.19	3/4	932.07	3/4	595.33	3/4	280.62	3/4	26.57	3/4	3/4		
2	2,386.81	2	2,017.71	2	1,648.59	2	1,280.62	2	924.90	2	588.57	2	274.50	2	23.04	2	2		
1/4	2,379.12	1/4	2,010.02	1/4	1,640.93	1/4	1,273.04	1/4	917.74	1/4	581.83	1/4	268.35	1/4	19.52	1/4	1/4		
1/2	2,371.43	1/2	2,002.33	1/2	1,633.24	1/2	1,265.47	1/2	910.57	1/2	575.07	1/2	262.23	1/2	16.95	1/2	1/2		
3/4	2,363.74	3/4	1,994.64	3/4	1,625.55	3/4	1,257.93	3/4	903.38	3/4	568.31	3/4	256.12	3/4	14.38	3/4	3/4		
3	2,356.04	3	1,986.95	3	1,617.85	3	1,250.35	3	896.21	3	561.57	3	250.00	3	11.81	3	3		
1/4	2,348.35	1/4	1,979.26	1/4	1,610.16	1/4	1,242.78	1/4	889.04	1/4	554.81	1/4	243.88	1/4	9.26	1/4	1/4		
1/2	2,340.66	1/2	1,971.57	1/2	1,602.47	1/2	1,235.21	1/2	881.88	1/2	548.04	1/2	237.76	1/2		1/2	1/2		
3/4	2,332.97	3/4	1,963.88	3/4	1,594.78	3/4	1,227.64	3/4	874.69	3/4	541.31	3/4	231.62	3/4		3/4	3/4		
4	2,325.28	4	1,956.19	4	1,587.09	4	1,220.09	4	867.52	4	534.54	4	225.50	4		4	4		
1/4	2,317.59	1/4	1,948.50	1/4	1,579.40	1/4	1,212.52	1/4	860.35	1/4	527.78	1/4	219.38	1/4		1/4	1/4		
1/2	2,309.90	1/2	1,940.81	1/2	1,571.71	1/2	1,204.95	1/2	853.19	1/2	521.04	1/2	213.26	1/2		1/2	1/2		
3/4	2,302.21	3/4	1,933.12	3/4	1,564.02	3/4	1,197.38	3/4	846.00	3/4	514.28	3/4	207.14	3/4		3/4	3/4		
5	2,294.52	5	1,925.43	5	1,556.33	5	1,189.81	5	838.83	5	507.54	5	201.02	5		5	5		
1/4	2,286.83	1/4	1,917.74	1/4	1,548.64	1/4	1,182.26	1/4	831.66	1/4	500.78	1/4	194.88	1/4		1/4	1/4		
1/2	2,279.14	1/2	1,910.04	1/2	1,540.95	1/2	1,174.83	1/2	824.64	1/2	494.16	1/2	189.43	1/2		1/2	1/2		
3/4	2,271.45	3/4	1,902.35	3/4	1,533.26	3/4	1,167.40	3/4	817.62	3/4	487.57	3/4	183.95	3/4		3/4	3/4		
6	2,263.76	6	1,894.66	6	1,525.57	6	1,160.00	6	810.59	6	480.95	6	178.47	6		6	6		
1/4	2,256.07	1/4	1,886.97	1/4	1,517.88	1/4	1,152.57	1/4	803.54	1/4	474.35	1/4	173.00	1/4		1/4	1/4		
1/2	2,248.40	1/2	1,879.28	1/2	1,510.21	1/2	1,145.16	1/2	796.52	1/2	467.76	1/2	167.52	1/2		1/2	1/2		
3/4	2,240.71	3/4	1,871.59	3/4	1,502.54	3/4	1,137.74	3/4	789.50	3/4	461.14	3/4	162.04	3/4		3/4	3/4		
7	2,233.02	7	1,863.90	7	1,494.88	7	1,130.31	7	782.47	7	454.54	7	156.57	7		7	7		
1/4	2,225.33	1/4	1,856.21	1/4	1,487.24	1/4	1,122.90	1/4	775.45	1/4	447.93	1/4	151.09	1/4		1/4	1/4		
1/2	2,217.64	1/2	1,848.55	1/2	1,479.57	1/2	1,115.47	1/2	768.43	1/2	441.33	1/2	145.62	1/2		1/2	1/2		
3/4	2,209.95	3/4	1,840.85	3/4	1,471.90	3/4	1,108.07	3/4	761.40	3/4	434.71	3/4	140.14	3/4		3/4	3/4		
8	2,202.26	8	1,833.16	8	1,464.24	8	1,100.64	8	754.38	8	428.12	8	134.66	8		8	8		
1/4	2,194.57	1/4	1,825.47	1/4	1,456.57	1/4	1,093.21	1/4	747.35	1/4	421.50	1/4	129.16	1/4		1/4	1/4		
1/2	2,186.88	1/2	1,817.78	1/2	1,448.90	1/2	1,085.81	1/2	740.33	1/2	414.90	1/2	123.71	1/2		1/2	1/2		
3/4	2,179.19	3/4	1,810.09	3/4	1,441.24	3/4	1,078.38	3/4	733.31	3/4	408.28	3/4	118.24	3/4		3/4	3/4		
9	2,171.50	9	1,802.40	9	1,433.57	9	1,070.97	9	726.28	9	401.69	9	112.76	9		9	9		
1/4	2,163.81	1/4	1,794.71	1/4	1,425.90	1/4	1,063.54	1/4	719.24	1/4	395.09	1/4	107.28	1/4		1/4	1/4		
1/2	2,156.12	1/2	1,787.02	1/2	1,418.26	1/2	1,056.21	1/2	712.35	1/2	388.69	1/2	102.69	1/2		1/2	1/2		
3/4	2,148.43	3/4	1,779.33	3/4	1,410.59	3/4	1,048.90	3/4	705.45	3/4	382.31	3/4	98.07	3/4		3/4	3/4		
10	2,140.74	10	1,771.64	10	1,402.93	10	1,041.59	10	698.54	10	375.93	10	93.45	10		10	10		
1/4	2,133.04	1/4	1,763.95	1/4	1,395.26	1/4	1,034.26	1/4	691.64	1/4	369.52	1/4	88.85	1/4		1/4	1/4		
1/2	2,125.35	1/2	1,756.26	1/2	1,387.59	1/2	1,026.95	1/2	684.74	1/2	363.14	1/2	84.24	1/2		1/2	1/2		
3/4	2,117.66	3/4	1,748.57	3/4	1,379.93	3/4	1,019.62	3/4	677.83	3/4	356.76	3/4	79.62	3/4		3/4	3/4		
11	2,109.97	11	1,740.88	11	1,372.26	11	1,012.31	11	670.93	11	350.35	11	75.00	11		11	11		
1/4	2,102.28	1/4	1,733.19	1/4	1,364.59	1/4	1,004.97	1/4	664.04	1/4	343.97	1/4	70.40	1/4		1/4	1/4		
1/2	2,094.59	1/2	1,725.50	1/2	1,356.93	1/2	997.66	1/2	657.14	1/2	337.59	1/2	65.78	1/2		1/2	1/2		
3/4	2,086.90	3/4	1,717.81	3/4	1,349.28	3/4	990.35	3/4	650.24	3/4	331.19	3/4	61.16	3/4		3/4	3/4		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/04/1992 SI
REPRINTED: 08/28/2002 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2002

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77568
<http://www.pmacorp.net>

Paul J. Pearson



GAUGE HEIGHT 17'-03 1/4"

WINEY CORD

CAPACITY TABLE BASED UPON SUBMITTED DATA BY KIRBY CORP.
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 11'-00" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

**P.O. Box 2092
Boerland Texas 77588**

<http://www.rnascorp.net>

John J. [Signature]



BARGE "KIRBY 29307"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "HW 2903"

GAUGE HEIGHT 17'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,448.33	0	2,079.21	0	1,710.12	0	1,341.62	0	983.02	0	643.33	0	324.81	0	56.57	0			
1/4	2,440.64	1/4	2,071.52	1/4	1,702.43	1/4	1,333.95	1/4	975.71	1/4	636.43	1/4	318.43	1/4	51.95	1/4	1/4		
1/2	2,432.95	1/2	2,063.83	1/2	1,694.74	1/2	1,326.28	1/2	968.38	1/2	629.54	1/2	312.02	1/2	47.33	1/2	1/2		
3/4	2,425.26	3/4	2,056.14	3/4	1,687.04	3/4	1,318.62	3/4	961.07	3/4	622.64	3/4	305.64	3/4	42.74	3/4	3/4		
1	2,417.57	1	2,048.47	1	1,679.35	1	1,310.97	1	953.74	1	615.74	1	299.26	1	38.12	1	1		
1/4	2,409.88	1/4	2,040.78	1/4	1,671.66	1/4	1,303.31	1/4	946.43	1/4	608.83	1/4	292.85	1/4	33.62	1/4	1/4		
1/2	2,402.19	1/2	2,033.09	1/2	1,663.97	1/2	1,295.76	1/2	939.26	1/2	602.07	1/2	286.74	1/2	30.09	1/2	1/2		
3/4	2,394.50	3/4	2,025.40	3/4	1,656.28	3/4	1,288.19	3/4	932.07	3/4	595.33	3/4	280.62	3/4	26.57	3/4	3/4		
2	2,386.81	2	2,017.71	2	1,648.59	2	1,280.62	2	924.90	2	588.57	2	274.50	2	23.04	2	2		
1/4	2,379.12	1/4	2,010.02	1/4	1,640.93	1/4	1,273.04	1/4	917.74	1/4	581.83	1/4	268.35	1/4	19.52	1/4	1/4		
1/2	2,371.43	1/2	2,002.33	1/2	1,633.24	1/2	1,265.47	1/2	910.57	1/2	575.07	1/2	262.23	1/2	16.95	1/2	1/2		
3/4	2,363.74	3/4	1,994.64	3/4	1,625.55	3/4	1,257.93	3/4	903.38	3/4	568.31	3/4	256.12	3/4	14.38	3/4	3/4		
3	2,356.04	3	1,986.95	3	1,617.85	3	1,250.35	3	896.21	3	561.57	3	250.00	3	11.81	3	3		
1/4	2,348.35	1/4	1,979.26	1/4	1,610.16	1/4	1,242.78	1/4	889.04	1/4	554.81	1/4	243.88	1/4	9.26	1/4	1/4		
1/2	2,340.66	1/2	1,971.57	1/2	1,602.47	1/2	1,235.21	1/2	881.88	1/2	548.04	1/2	237.76	1/2		1/2	1/2		
3/4	2,332.97	3/4	1,963.88	3/4	1,594.78	3/4	1,227.64	3/4	874.69	3/4	541.31	3/4	231.62	3/4		3/4	3/4		
4	2,325.28	4	1,956.19	4	1,587.09	4	1,220.09	4	867.52	4	534.54	4	225.50	4	4	4	4		
1/4	2,317.59	1/4	1,948.50	1/4	1,579.40	1/4	1,212.52	1/4	860.35	1/4	527.78	1/4	219.38	1/4		1/4	1/4		
1/2	2,309.90	1/2	1,940.81	1/2	1,571.71	1/2	1,204.95	1/2	853.19	1/2	521.04	1/2	213.26	1/2		1/2	1/2		
3/4	2,302.21	3/4	1,933.12	3/4	1,564.02	3/4	1,197.38	3/4	846.00	3/4	514.28	3/4	207.14	3/4		3/4	3/4		
5	2,294.52	5	1,925.43	5	1,556.33	5	1,189.81	5	838.83	5	507.54	5	201.02	5	5	5	5		
1/4	2,286.83	1/4	1,917.74	1/4	1,548.64	1/4	1,182.26	1/4	831.66	1/4	500.78	1/4	194.88	1/4		1/4	1/4		
1/2	2,279.14	1/2	1,910.04	1/2	1,540.95	1/2	1,174.83	1/2	824.64	1/2	494.16	1/2	189.43	1/2		1/2	1/2		
3/4	2,271.45	3/4	1,902.35	3/4	1,533.26	3/4	1,167.40	3/4	817.62	3/4	487.57	3/4	183.95	3/4		3/4	3/4		
6	2,263.76	6	1,894.66	6	1,525.57	6	1,160.00	6	810.59	6	480.95	6	178.47	6	6	6	6		
1/4	2,256.07	1/4	1,886.97	1/4	1,517.88	1/4	1,152.57	1/4	803.54	1/4	474.35	1/4	173.00	1/4		1/4	1/4		
1/2	2,248.40	1/2	1,879.28	1/2	1,510.21	1/2	1,145.16	1/2	796.52	1/2	467.76	1/2	167.52	1/2		1/2	1/2		
3/4	2,240.71	3/4	1,871.59	3/4	1,502.54	3/4	1,137.74	3/4	789.50	3/4	461.14	3/4	162.04	3/4		3/4	3/4		
7	2,233.02	7	1,863.90	7	1,494.88	7	1,130.31	7	782.47	7	454.54	7	156.57	7	7	7	7		
1/4	2,225.33	1/4	1,856.21	1/4	1,487.24	1/4	1,122.90	1/4	775.45	1/4	447.93	1/4	151.09	1/4		1/4	1/4		
1/2	2,217.64	1/2	1,848.55	1/2	1,479.57	1/2	1,115.47	1/2	768.43	1/2	441.33	1/2	145.62	1/2		1/2	1/2		
3/4	2,209.95	3/4	1,840.85	3/4	1,471.90	3/4	1,108.07	3/4	761.40	3/4	434.71	3/4	140.14	3/4		3/4	3/4		
8	2,202.26	8	1,833.16	8	1,464.24	8	1,100.64	8	754.38	8	428.12	8	134.66	8	8	8	8		
1/4	2,194.57	1/4	1,825.47	1/4	1,456.57	1/4	1,093.21	1/4	747.35	1/4	421.50	1/4	129.16	1/4		1/4	1/4		
1/2	2,186.88	1/2	1,817.78	1/2	1,448.90	1/2	1,085.81	1/2	740.33	1/2	414.90	1/2	123.71	1/2		1/2	1/2		
3/4	2,179.19	3/4	1,810.09	3/4	1,441.24	3/4	1,078.38	3/4	733.31	3/4	408.28	3/4	118.24	3/4		3/4	3/4		
9	2,171.50	9	1,802.40	9	1,433.57	9	1,070.97	9	726.28	9	401.69	9	112.76	9	9	9	9		
1/4	2,163.81	1/4	1,794.71	1/4	1,425.90	1/4	1,063.54	1/4	719.24	1/4	395.09	1/4	107.28	1/4		1/4	1/4		
1/2	2,156.12	1/2	1,787.02	1/2	1,418.26	1/2	1,056.21	1/2	712.35	1/2	388.69	1/2	102.69	1/2		1/2	1/2		
3/4	2,148.43	3/4	1,779.33	3/4	1,410.59	3/4	1,048.90	3/4	705.45	3/4	382.31	3/4	98.07	3/4		3/4	3/4		
10	2,140.74	10	1,771.64	10	1,402.93	10	1,041.59	10	698.54	10	375.93	10	93.45	10	10	10	10		
1/4	2,133.04	1/4	1,763.95	1/4	1,395.26	1/4	1,034.26	1/4	691.64	1/4	369.52	1/4	88.85	1/4		1/4	1/4		
1/2	2,125.35	1/2	1,756.26	1/2	1,387.59	1/2	1,026.95	1/2	684.74	1/2	363.14	1/2	84.24	1/2		1/2	1/2		
3/4	2,117.66	3/4	1,748.57	3/4	1,379.93	3/4	1,019.62	3/4	677.83	3/4	356.76	3/4	79.62	3/4		3/4	3/4		
11	2,109.97	11	1,740.88	11	1,372.26	11	1,012.31	11	670.93	11	350.35	11	75.00	11	11	11	11		
1/4	2,102.28	1/4	1,733.19	1/4	1,364.59	1/4	1,004.97	1/4	664.04	1/4	343.97	1/4	70.40	1/4		1/4	1/4		
1/2	2,094.59	1/2	1,725.50	1/2	1,356.93	1/2	997.66	1/2	657.14	1/2	337.59	1/2	65.78	1/2		1/2	1/2		
3/4	2,086.90	3/4	1,717.81	3/4	1,349.28	3/4	990.35	3/4	650.24	3/4	331.19	3/4	61.16	3/4		3/4	3/4		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/04/1992 SI
REPRINTED: 08/20/2002 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2002

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

Tom J. Lane



BARGE "KIRBY 29307"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "HW 2903"

GAUGE HEIGHT 17'-04"

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
0																			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	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
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	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
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	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
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	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
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	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
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	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
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	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
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	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
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	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
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	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
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	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
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CAPACITY TABLE BASED UPON SUBMITTED DATA BY KIRBY CORP.

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 11'-00" OFF CENTERLINE AND 44'-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>

Paul J. Hannon



BARGE "KIRBY 29307"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "HW 2903"

GAUGE HEIGHT 17'-04"

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	2,686.22	0	2,318.51	0	1,950.80	0	1,583.06	0	1,215.34	0	847.70	0	480.75	0	115.96	0		0	
1/4	2,678.56	1/4	2,310.85	1/4	1,943.14	1/4	1,575.40	1/4	1,207.68	1/4	840.05	1/4	473.09	1/4	108.48	1/4		1/4	
1/2	2,670.90	1/2	2,303.19	1/2	1,935.48	1/2	1,567.74	1/2	1,200.02	1/2	832.41	1/2	465.43	1/2	101.01	1/2		1/2	
3/4	2,663.24	3/4	2,295.53	3/4	1,927.81	3/4	1,560.08	3/4	1,192.36	3/4	824.77	3/4	457.77	3/4	93.53	3/4		3/4	
1	2,655.58	1	2,287.87	1	1,920.15	1	1,552.41	1	1,184.70	1	817.13	1	450.11	1	86.05	1		1	
1/4	2,647.92	1/4	2,280.21	1/4	1,912.49	1/4	1,544.75	1/4	1,177.04	1/4	809.48	1/4	442.45	1/4	78.55	1/4		1/4	
1/2	2,640.26	1/2	2,272.55	1/2	1,904.83	1/2	1,537.09	1/2	1,169.38	1/2	801.84	1/2	434.78	1/2	71.08	1/2		1/2	
3/4	2,632.60	3/4	2,264.89	3/4	1,897.17	3/4	1,529.43	3/4	1,161.72	3/4	794.20	3/4	427.12	3/4	63.60	3/4		3/4	
2	2,624.94	2	2,257.22	2	1,889.51	2	1,521.77	2	1,154.06	2	786.55	2	419.46	2	56.36	2		2	
1/4	2,617.28	1/4	2,249.56	1/4	1,881.85	1/4	1,514.11	1/4	1,146.40	1/4	778.91	1/4	411.80	1/4	50.22	1/4		1/4	
1/2	2,609.62	1/2	2,241.90	1/2	1,874.19	1/2	1,506.45	1/2	1,138.74	1/2	771.27	1/2	404.14	1/2	44.10	1/2		1/2	
3/4	2,601.96	3/4	2,234.24	3/4	1,866.53	3/4	1,498.79	3/4	1,131.08	3/4	763.63	3/4	396.48	3/4	37.51	3/4		3/4	
3	2,594.30	3	2,226.58	3	1,858.86	3	1,491.13	3	1,123.42	3	755.98	3	388.82	3	31.84	3		3	
1/4	2,586.63	1/4	2,218.92	1/4	1,851.19	1/4	1,483.47	1/4	1,115.75	1/4	748.34	1/4	381.16	1/4	27.53	1/4		1/4	
1/2	2,578.97	1/2	2,211.26	1/2	1,843.53	1/2	1,475.81	1/2	1,108.09	1/2	740.70	1/2	373.50	1/2	23.20	1/2		1/2	
3/4	2,571.31	3/4	2,203.60	3/4	1,835.86	3/4	1,468.15	3/4	1,100.43	3/4	733.05	3/4	365.84	3/4	18.86	3/4		3/4	
4	2,563.65	4	2,195.94	4	1,828.20	4	1,460.49	4	1,092.77	4	725.41	4	358.20	4	14.55	4		4	
1/4	2,555.99	1/4	2,188.28	1/4	1,820.54	1/4	1,452.83	1/4	1,085.11	1/4	717.77	1/4	350.53	1/4		1/4		1/4	
1/2	2,548.33	1/2	2,180.62	1/2	1,812.88	1/2	1,445.16	1/2	1,077.45	1/2	710.12	1/2	342.86	1/2		1/2		1/2	
3/4	2,540.67	3/4	2,172.96	3/4	1,805.22	3/4	1,437.50	3/4	1,069.79	3/4	702.48	3/4	335.22	3/4		3/4		3/4	
5	2,533.01	5	2,165.30	5	1,797.56	5	1,429.84	5	1,062.13	5	694.84	5	327.55	5		5		5	
1/4	2,525.35	1/4	2,157.64	1/4	1,789.90	1/4	1,422.18	1/4	1,054.47	1/4	687.20	1/4	319.89	1/4		1/4		1/4	
1/2	2,517.69	1/2	2,149.97	1/2	1,782.24	1/2	1,414.52	1/2	1,046.81	1/2	679.55	1/2	312.22	1/2		1/2		1/2	
3/4	2,510.03	3/4	2,142.31	3/4	1,774.57	3/4	1,406.86	3/4	1,039.15	3/4	671.91	3/4	304.58	3/4		3/4		3/4	
6	2,502.37	6	2,134.65	6	1,766.91	6	1,399.20	6	1,031.49	6	664.27	6	296.91	6		6		6	
1/4	2,494.71	1/4	2,126.99	1/4	1,759.25	1/4	1,391.54	1/4	1,023.83	1/4	656.62	1/4	289.24	1/4		1/4		1/4	
1/2	2,487.05	1/2	2,119.33	1/2	1,751.59	1/2	1,383.88	1/2	1,016.17	1/2	648.98	1/2	281.58	1/2		1/2		1/2	
3/4	2,479.38	3/4	2,111.67	3/4	1,743.93	3/4	1,376.22	3/4	1,008.50	3/4	641.34	3/4	273.93	3/4		3/4		3/4	
7	2,471.72	7	2,104.01	7	1,736.27	7	1,368.56	7	1,000.84	7	633.70	7	266.27	7		7		7	
1/4	2,464.06	1/4	2,096.35	1/4	1,728.61	1/4	1,360.90	1/4	993.18	1/4	626.05	1/4	258.60	1/4		1/4		1/4	
1/2	2,456.40	1/2	2,088.69	1/2	1,720.95	1/2	1,353.24	1/2	985.52	1/2	618.41	1/2	250.93	1/2		1/2		1/2	
3/4	2,448.74	3/4	2,081.03	3/4	1,713.29	3/4	1,345.58	3/4	977.86	3/4	610.77	3/4	243.29	3/4		3/4		3/4	
8	2,441.08	8	2,073.37	8	1,705.63	8	1,337.91	8	970.20	8	603.12	8	235.62	8		8		8	
1/4	2,433.42	1/4	2,065.71	1/4	1,697.97	1/4	1,330.25	1/4	962.54	1/4	595.48	1/4	228.15	1/4		1/4		1/4	
1/2	2,425.76	1/2	2,058.05	1/2	1,690.31	1/2	1,322.59	1/2	954.88	1/2	587.84	1/2	220.67	1/2		1/2		1/2	
3/4	2,418.10	3/4	2,050.39	3/4	1,682.65	3/4	1,314.93	3/4	947.22	3/4	580.20	3/4	213.17	3/4		3/4		3/4	
9	2,410.44	9	2,042.72	9	1,674.99	9	1,307.27	9	939.56	9	572.55	9	205.70	9		9		9	
1/4	2,402.78	1/4	2,035.06	1/4	1,667.33	1/4	1,299.61	1/4	931.90	1/4	564.91	1/4	198.22	1/4		1/4		1/4	
1/2	2,395.12	1/2	2,027.40	1/2	1,659.66	1/2	1,291.95	1/2	924.24	1/2	557.27	1/2	190.74	1/2		1/2		1/2	
3/4	2,387.46	3/4	2,019.74	3/4	1,652.00	3/4	1,284.29	3/4	916.58	3/4	549.62	3/4	183.27	3/4		3/4		3/4	
10	2,379.80	10	2,012.08	10	1,644.34	10	1,276.63	10	908.92	10	541.98	10	175.79	10		10		10	
1/4	2,372.13	1/4	2,004.42	1/4	1,636.68	1/4	1,268.97	1/4	901.26	1/4	534.34	1/4	168.31	1/4		1/4		1/4	
1/2	2,364.47	1/2	1,996.76	1/2	1,629.02	1/2	1,261.31	1/2	893.59	1/2	526.70	1/2	160.84	1/2		1/2		1/2	
3/4	2,356.81	3/4	1,989.10	3/4	1,621.36	3/4	1,253.65	3/4	885.93	3/4	519.05	3/4	153.36	3/4		3/4		3/4	
11	2,349.15	11	1,981.44	11	1,613.70	11	1,245.99	11	878.29	11	511.39	11	145.86	11		11		11	
1/4	2,341.49	1/4	1,973.78	1/4	1,606.04	1/4	1,238.33	1/4	870.64	1/4	503.73	1/4	138.39	1/4		1/4		1/4	
1/2	2,333.83	1/2	1,966.12	1/2	1,598.38	1/2	1,230.67	1/2	862.99	1/2	496.07	1/2	130.91	1/2		1/2		1/2	
3/4	2,326.17	3/4	1,958.46	3/4	1,590.72	3/4	1,223.00	3/4	855.34	3/4	488.41	3/4	123.43	3/4		3/4		3/4	

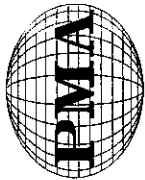
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/04/1992 SI
REPRINTED: 08/20/2002 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2002

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

The PMA



BARGE "KIRBY 29307"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS											
FORMERLY "HW 2903"											
GAUGE HEIGHT 17'-04 1/8"											
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.
0	0	0	0	0	0	0	0	0	0	0	0
1/4	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	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4
1/2	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	3/4
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	1/4
1/2	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	3/4
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	1/4
1/2	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	3/4
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	1/4
1/2	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	3/4
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	1/4
1/2	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	3/4
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	1/4
1/2	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	3/4
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	1/4
1/2	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	3/4
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	1/4
1/2	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	3/4
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	1/4
1/2	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	3/4
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	1/4
1/2	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	3/4
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	1/4
1/2	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	3/4

CAPACITY TABLE BASED UPON SUBMITTED DATA BY KIRBY CORP.

CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 44'-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>

The Pearson



BARGE "KIRBY 29307"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "HW 2903"

GAUGE HEIGHT 17'-04 1/8"

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
0	2,690.05	0	2,322.33	0	1,954.62	0	1,586.91	0	1,219.17	0	851.52	0	484.60	0	119.70	0			
1/4	2,682.39	1/4	2,314.67	1/4	1,946.96	1/4	1,579.25	1/4	1,211.51	1/4	843.88	1/4	476.94	1/4	112.22	1/4	1/4		
1/2	2,674.73	1/2	2,307.01	1/2	1,939.30	1/2	1,571.59	1/2	1,203.85	1/2	836.23	1/2	469.28	1/2	104.74	1/2	1/2	1/2	
3/4	2,667.07	3/4	2,299.35	3/4	1,931.64	3/4	1,563.92	3/4	1,196.19	3/4	828.59	3/4	461.62	3/4	97.27	3/4	3/4	3/4	
1	2,659.41	1	2,291.69	1	1,923.98	1	1,556.26	1	1,188.53	1	820.95	1	453.95	1	89.79	1	1	1	
1 1/4	2,651.74	1 1/4	2,284.03	1 1/4	1,916.32	1 1/4	1,548.60	1 1/4	1,180.86	1 1/4	813.30	1 1/4	446.29	1 1/4	82.30	1 1/4	1 1/4	1 1/4	
1 1/2	2,644.08	1 1/2	2,276.37	1 1/2	1,908.66	1 1/2	1,540.94	1 1/2	1,173.20	1 1/2	805.66	1 1/2	438.63	1 1/2	74.82	1 1/2	1 1/2	1 1/2	
2	2,636.42	2	2,268.71	2	1,901.00	2	1,533.28	2	1,165.54	2	798.02	2	430.97	2	67.42	2	3/4	3/4	
2 1/4	2,628.76	2 1/4	2,261.05	2 1/4	1,893.34	2 1/4	1,525.62	2 1/4	1,157.88	2 1/4	790.38	2 1/4	423.31	2 1/4	60.29	2 1/4	2	2	
1/4	2,621.10	1/4	2,253.39	1/4	1,885.67	1/4	1,517.96	1/4	1,150.22	1/4	782.73	1/4	415.65	1/4	53.52	1/4	1/4	1/4	
1/2	2,613.44	1/2	2,245.73	1/2	1,878.01	1/2	1,510.30	1/2	1,142.56	1/2	775.09	1/2	407.99	1/2	47.14	1/2	1/2	1/2	
3/4	2,605.78	3/4	2,238.07	3/4	1,870.35	3/4	1,502.64	3/4	1,134.90	3/4	767.45	3/4	400.33	3/4	41.01	3/4	3/4	3/4	
1	2,598.12	1	2,230.41	1	1,862.69	1	1,494.98	1	1,127.24	1	759.80	1	392.67	1	35.13	1	3	3	
1 1/4	2,590.46	1 1/4	2,222.75	1 1/4	1,855.03	1 1/4	1,487.32	1 1/4	1,119.58	1 1/4	752.16	1 1/4	385.01	1 1/4	29.91	1 1/4	1 1/4	1 1/4	
1 1/2	2,582.80	1 1/2	2,215.08	1 1/2	1,847.37	1 1/2	1,479.66	1 1/2	1,111.92	1 1/2	744.52	1 1/2	377.35	1 1/2	25.35	1 1/2	1 1/2	1 1/2	
3/4	2,575.14	3/4	2,207.42	3/4	1,839.71	3/4	1,472.00	3/4	1,104.26	3/4	736.88	3/4	369.69	3/4	21.03	3/4	3/4	3/4	
1	2,567.48	1	2,199.76	1	1,832.05	1	1,464.33	1	1,096.60	1	729.23	1	362.03	1	16.71	1	4	4	
1 1/4	2,559.82	1 1/4	2,192.10	1 1/4	1,824.38	1 1/4	1,456.67	1 1/4	1,088.94	1 1/4	721.59	1 1/4	354.36	1 1/4	14.55	1 1/4	1 1/4	1 1/4	
1 1/2	2,552.16	1 1/2	2,184.44	1 1/2	1,816.71	1 1/2	1,449.01	1 1/2	1,081.28	1 1/2	713.95	1 1/2	346.70	1 1/2		1 1/2	1 1/2	1 1/2	
3/4	2,544.50	3/4	2,176.78	3/4	1,809.04	3/4	1,441.34	3/4	1,073.62	3/4	706.30	3/4	339.04	3/4		3/4	3/4	3/4	
1	2,536.83	1	2,169.12	1	1,801.37	1	1,433.67	1	1,065.95	1	698.66	1	331.38	1		1	5	5	
1 1/4	2,529.17	1 1/4	2,161.46	1 1/4	1,793.71	1 1/4	1,426.01	1 1/4	1,058.29	1 1/4	691.02	1 1/4	323.72	1 1/4		1 1/4	1 1/4	1 1/4	
1 1/2	2,521.51	1 1/2	2,153.80	1 1/2	1,786.06	1 1/2	1,418.35	1 1/2	1,050.63	1 1/2	683.38	1 1/2	316.06	1 1/2		1 1/2	1 1/2	1 1/2	
3/4	2,513.85	3/4	2,146.14	3/4	1,778.41	3/4	1,410.69	3/4	1,042.97	3/4	675.73	3/4	308.40	3/4		3/4	3/4	3/4	
1	2,506.19	1	2,138.48	1	1,770.76	1	1,403.03	1	1,035.31	1	668.09	1	300.74	1		1	6	6	
1 1/4	2,498.53	1 1/4	2,130.82	1 1/4	1,763.10	1 1/4	1,395.36	1 1/4	1,027.65	1 1/4	660.45	1 1/4	293.08	1 1/4		1 1/4	1 1/4	1 1/4	
1 1/2	2,490.87	1 1/2	2,123.16	1 1/2	1,755.44	1 1/2	1,387.70	1 1/2	1,019.99	1 1/2	652.80	1 1/2	285.41	1 1/2		1 1/2	1 1/2	1 1/2	
3/4	2,483.21	3/4	2,115.50	3/4	1,747.78	3/4	1,380.04	3/4	1,012.33	3/4	645.16	3/4	277.76	3/4		3/4	3/4	3/4	
1	2,475.55	1	2,107.84	1	1,740.12	1	1,372.38	1	1,004.67	1	637.52	1	270.10	1		1	7	7	
1 1/4	2,467.89	1 1/4	2,100.17	1 1/4	1,732.46	1 1/4	1,364.72	1 1/4	997.01	1 1/4	629.88	1 1/4	262.43	1 1/4		1 1/4	1 1/4	1 1/4	
1 1/2	2,460.23	1 1/2	2,092.51	1 1/2	1,724.80	1 1/2	1,357.06	1 1/2	989.35	1 1/2	622.23	1 1/2	254.77	1 1/2		1 1/2	1 1/2	1 1/2	
3/4	2,452.57	3/4	2,084.85	3/4	1,717.14	3/4	1,349.40	3/4	981.69	3/4	614.59	3/4	247.11	3/4		3/4	3/4	3/4	
1	2,444.91	1	2,077.19	1	1,709.48	1	1,341.74	1	974.03	1	606.95	1	239.48	1		1	8	8	
1 1/4	2,437.25	1 1/4	2,069.53	1 1/4	1,701.82	1 1/4	1,334.08	1 1/4	966.37	1 1/4	599.30	1 1/4	231.91	1 1/4		1 1/4	1 1/4	1 1/4	
1 1/2	2,429.58	1 1/2	2,061.87	1 1/2	1,694.16	1 1/2	1,326.42	1 1/2	958.70	1 1/2	591.66	1 1/2	224.41	1 1/2		1 1/2	1 1/2	1 1/2	
3/4	2,421.92	3/4	2,054.21	3/4	1,686.50	3/4	1,318.76	3/4	951.04	3/4	584.02	3/4	216.92	3/4		3/4	3/4	3/4	
1	2,414.26	1	2,046.55	1	1,678.84	1	1,311.10	1	943.38	1	576.37	1	209.44	1		1	9	9	
1 1/4	2,406.60	1 1/4	2,038.89	1 1/4	1,671.17	1 1/4	1,303.44	1 1/4	935.72	1 1/4	568.73	1 1/4	201.96	1 1/4		1 1/4	1 1/4	1 1/4	
1 1/2	2,398.94	1 1/2	2,031.23	1 1/2	1,663.51	1 1/2	1,295.78	1 1/2	928.06	1 1/2	561.09	1 1/2	194.48	1 1/2		1 1/2	1 1/2	1 1/2	
3/4	2,391.28	3/4	2,023.57	3/4	1,655.85	3/4	1,288.11	3/4	920.40	3/4	553.45	3/4	187.01	3/4		3/4	3/4	3/4	
1	2,383.62	1	2,015.91	1	1,648.19	1	1,280.45	1	912.74	1	545.80	1	179.53	1		1	10	10	
1 1/4	2,375.96	1 1/4	2,008.25	1 1/4	1,640.53	1 1/4	1,272.79	1 1/4	905.08	1 1/4	538.16	1 1/4	172.05	1 1/4		1 1/4	1 1/4	1 1/4	
1 1/2	2,368.30	1 1/2	2,000.59	1 1/2	1,632.87	1 1/2	1,265.13	1 1/2	897.42	1 1/2	530.52	1 1/2	164.58	1 1/2		1 1/2	1 1/2	1 1/2	
3/4	2,360.64	3/4	1,992.92	3/4	1,625.21	3/4	1,257.47	3/4	889.76	3/4	522.87	3/4	157.10	3/4		3/4	3/4	3/4	
1	2,352.98	1	1,985.26	1	1,617.55	1	1,249.81	1	882.10	1	515.23	1	149.61	1		1	11	11	
1 1/4	2,345.32	1 1/4	1,977.60	1 1/4	1,609.89	1 1/4	1,242.15	1 1/4	874.45	1 1/4	507.58	1 1/4	142.13	1 1/4		1 1/4	1 1/4	1 1/4	
1 1/2	2,337.66	1 1/2	1,969.94	1 1/2	1,602.23	1 1/2	1,234.49	1 1/2	866.80	1 1/2	499.92	1 1/2	134.65	1 1/2		1 1/2	1 1/2	1 1/2	
3/4	2,330.00	3/4	1,962.28	3/4	1,594.57	3/4	1,226.83	3/4	859.16	3/4	492.26	3/4	127.17	3/4		3/4	3/4	3/4	

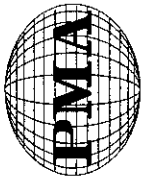
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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REPRINTED: 08/20/2002 CL

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ALL PRIOR TO 08/2002

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The Pearson



BARGE "KIRBY 29307"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "HW 2903"

GAUGE HEIGHT 17'-03 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
0																			
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	
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
1/4		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	
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
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	
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
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	
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
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	
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
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	
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
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	
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
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	
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
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	
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
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	
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
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	
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
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

CAPACITY TABLE BASED UPON SUBMITTED DATA BY KIRBY CORP.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 43'-08" 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

Paul J. Hume



BARGE "KIRBY 29307"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "HW 2903"

GAUGE HEIGHT 17'-03 1/2"

GRADE HEIGHT 27-03-27																			
10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	2,636.49	0	2,275.46	0	1,914.43	0	1,553.40	0	1,192.37	0	831.40	0	471.11	0	113.40	0		
1/4	1/4	2,628.97	1/4	2,267.95	1/4	1,906.90	1/4	1,545.88	1/4	1,184.85	1/4	823.90	1/4	463.59	1/4	106.09	1/4	1/4	
1/2	1/2	2,621.45	1/2	2,260.43	1/2	1,899.38	1/2	1,538.36	1/2	1,177.33	1/2	816.40	1/2	456.07	1/2	98.78	1/2	1/2	
3/4	3/4	2,613.93	3/4	2,252.90	3/4	1,891.86	3/4	1,530.83	3/4	1,169.81	3/4	808.90	3/4	448.55	3/4	91.45	3/4	3/4	
1	1	2,606.40	1	2,245.38	1	1,884.34	1	1,523.31	1	1,162.28	1	801.39	1	441.02	1	84.14	1	1	
1/4	1/4	2,598.88	1/4	2,237.86	1/4	1,876.83	1/4	1,515.78	1/4	1,154.76	1/4	793.88	1/4	433.50	1/4	76.83	1/4	1/4	
1/2	1/2	2,591.36	1/2	2,230.33	1/2	1,869.31	1/2	1,508.26	1/2	1,147.24	1/2	786.38	1/2	425.97	1/2	69.52	1/2	1/2	
3/4	3/4	2,583.84	3/4	2,222.81	3/4	1,861.78	3/4	1,500.74	3/4	1,139.71	3/4	778.87	3/4	418.45	3/4	62.19	3/4	3/4	
2	2	2,576.32	2	2,215.28	2	1,854.26	2	1,493.22	2	1,132.19	2	771.37	2	410.93	2	55.09	2	2	
1/4	1/4	2,568.80	1/4	2,207.76	1/4	1,846.74	1/4	1,485.71	1/4	1,124.67	1/4	763.86	1/4	403.40	1/4	49.07	1/4	1/4	
1/2	1/2	2,561.28	1/2	2,200.24	1/2	1,839.21	1/2	1,478.19	1/2	1,117.14	1/2	756.36	1/2	395.88	1/2	43.12	1/2	1/2	
3/4	3/4	2,553.76	3/4	2,192.72	3/4	1,831.68	3/4	1,470.67	3/4	1,109.62	3/4	748.85	3/4	388.36	3/4	37.14	3/4	3/4	
3	3	2,546.24	3	2,185.20	3	1,824.14	3	1,463.14	3	1,102.11	3	741.34	3	380.84	3	31.17	3	3	
1/4	1/4	2,538.71	1/4	2,177.68	1/4	1,816.61	1/4	1,455.62	1/4	1,094.59	1/4	733.84	1/4	373.33	1/4	26.45	1/4	1/4	
1/2	1/2	2,531.19	1/2	2,170.17	1/2	1,809.07	1/2	1,448.09	1/2	1,087.07	1/2	726.33	1/2	365.81	1/2	22.71	1/2	1/2	
3/4	3/4	2,523.67	3/4	2,162.64	3/4	1,801.56	3/4	1,440.57	3/4	1,079.55	3/4	718.83	3/4	358.28	3/4		3/4	3/4	
4	4	2,516.14	4	2,155.12	4	1,794.06	4	1,433.05	4	1,072.02	4	711.32	4	350.76	4	4	4	4	
1/4	1/4	2,508.62	1/4	2,147.59	1/4	1,786.55	1/4	1,425.52	1/4	1,064.50	1/4	703.81	1/4	343.24	1/4		1/4	1/4	
1/2	1/2	2,501.09	1/2	2,140.07	1/2	1,779.05	1/2	1,418.00	1/2	1,056.97	1/2	696.31	1/2	335.71	1/2		1/2	1/2	
3/4	3/4	2,493.58	3/4	2,132.55	3/4	1,771.52	3/4	1,410.48	3/4	1,049.46	3/4	688.80	3/4	328.19	3/4		3/4	3/4	
5	5	2,486.06	5	2,125.02	5	1,764.00	5	1,402.96	5	1,041.94	5	681.30	5	320.69	5	5	5	5	
1/4	1/4	2,478.54	1/4	2,117.50	1/4	1,756.47	1/4	1,395.45	1/4	1,034.42	1/4	673.79	1/4	313.17	1/4		1/4	1/4	
1/2	1/2	2,471.02	1/2	2,109.97	1/2	1,748.95	1/2	1,387.93	1/2	1,026.90	1/2	666.28	1/2	305.64	1/2		1/2	1/2	
3/4	3/4	2,463.50	3/4	2,102.46	3/4	1,741.43	3/4	1,380.40	3/4	1,019.38	3/4	658.78	3/4	298.12	3/4		3/4	3/4	
6	6	2,455.97	6	2,094.94	6	1,733.92	6	1,372.88	6	1,011.86	6	651.28	6	290.59	6	6	6	6	
1/4	1/4	2,448.45	1/4	2,087.42	1/4	1,726.40	1/4	1,365.36	1/4	1,004.33	1/4	643.78	1/4	283.07	1/4		1/4	1/4	
1/2	1/2	2,440.93	1/2	2,079.90	1/2	1,718.88	1/2	1,357.83	1/2	996.81	1/2	636.28	1/2	275.55	1/2		1/2	1/2	
3/4	3/4	2,433.41	3/4	2,072.38	3/4	1,711.36	3/4	1,350.31	3/4	989.28	3/4	628.78	3/4	268.02	3/4		3/4	3/4	
7	7	2,425.89	7	2,064.86	7	1,703.83	7	1,342.80	7	981.76	7	621.27	7	260.50	7	7	7	7	
1/4	1/4	2,418.37	1/4	2,057.33	1/4	1,696.31	1/4	1,335.28	1/4	974.24	1/4	613.77	1/4	252.97	1/4		1/4	1/4	
1/2	1/2	2,410.86	1/2	2,049.81	1/2	1,688.78	1/2	1,327.76	1/2	966.71	1/2	606.26	1/2	245.47	1/2		1/2	1/2	
3/4	3/4	2,403.33	3/4	2,042.29	3/4	1,681.26	3/4	1,320.24	3/4	959.19	3/4	598.75	3/4	237.88	3/4		3/4	3/4	
8	8	2,395.81	8	2,034.77	8	1,673.74	8	1,312.71	8	951.68	8	591.25	8	230.43	8	8	8	8	
1/4	1/4	2,388.28	1/4	2,027.25	1/4	1,666.21	1/4	1,305.19	1/4	944.16	1/4	583.74	1/4	223.12	1/4		1/4	1/4	
1/2	1/2	2,380.76	1/2	2,019.74	1/2	1,658.69	1/2	1,297.67	1/2	936.64	1/2	576.24	1/2	215.78	1/2		1/2	1/2	
3/4	3/4	2,373.24	3/4	2,012.21	3/4	1,651.17	3/4	1,290.14	3/4	929.12	3/4	568.73	3/4	208.47	3/4		3/4	3/4	
9	9	2,365.71	9	2,004.69	9	1,643.65	9	1,282.62	9	921.59	9	561.22	9	201.17	9	9	9	9	
1/4	1/4	2,358.19	1/4	1,997.17	1/4	1,636.14	1/4	1,275.09	1/4	914.07	1/4	553.72	1/4	193.86	1/4		1/4	1/4	
1/2	1/2	2,350.67	1/2	1,989.64	1/2	1,628.62	1/2	1,267.57	1/2	906.55	1/2	546.21	1/2	186.55	1/2		1/2	1/2	
3/4	3/4	2,343.15	3/4	1,982.12	3/4	1,621.09	3/4	1,260.05	3/4	899.03	3/4	538.71	3/4	179.24	3/4		3/4	3/4	
10	10	2,335.63	10	1,974.59	10	1,613.57	10	1,252.53	10	891.51	10	531.20	10	171.90	10	10	10	10	
1/4	1/4	2,328.11	1/4	1,967.07	1/4	1,606.05	1/4	1,245.02	1/4	883.99	1/4	523.69	1/4	164.55	1/4		1/4	1/4	
1/2	1/2	2,320.59	1/2	1,959.55	1/2	1,598.52	1/2	1,237.50	1/2	876.47	1/2	516.19	1/2	157.28	1/2		1/2	1/2	
3/4	3/4	2,313.07	3/4	1,952.03	3/4	1,591.00	3/4	1,229.97	3/4	868.96	3/4	508.68	3/4	149.97	3/4		3/4	3/4	
11	11	2,305.55	11	1,944.51	11	1,583.49	11	1,222.45	11	861.44	11	501.17	11	142.67	11	11	11	11	
1/4	1/4	2,298.02	1/4	1,936.99	1/4	1,575.97	1/4	1,214.93	1/4	853.92	1/4	493.65	1/4	135.36	1/4		1/4	1/4	
1/2	1/2	2,290.50	1/2	1,929.47	1/2	1,568.45	1/2	1,207.40	1/2	846.40	1/2	486.14	1/2	128.02	1/2		1/2	1/2	
3/4	3/4	2,282.98	3/4	1,921.95	3/4	1,560.93	3/4	1,199.89	3/4	838.90	3/4	478.62	3/4	120.71	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/04/1982 SI
REPRINTED: 08/20/2002 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2002

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

Tom Johnson



GAUGE HEIGHT 17'-03 3/8"

CAPACITY TABLE BASED UPON SUBMITTED DATA BY KIRBY CORP.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

FOR CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092

P.O. Box 2092
land Texas 77588

Pearland, Texas // 368
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True Hansen



BARGE "KIRBY 29307"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "HW 2903"

GAUGE HEIGHT 17'-03 3/8"

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
0	2,632.73	0	2,271.71	0	1,910.67	0	1,549.65	0	1,188.61	0	827.66	0	467.35	0	109.75	0			
1/4	2,625.21	1/4	2,264.19	1/4	1,903.15	1/4	1,542.12	1/4	1,181.09	1/4	820.16	1/4	459.83	1/4	102.44	1/4	1/4	1/4	1/4
1/2	2,617.69	1/2	2,256.67	1/2	1,895.63	1/2	1,534.60	1/2	1,173.57	1/2	812.65	1/2	452.31	1/2	95.12	1/2	1/2	1/2	1/2
3/4	2,610.17	3/4	2,249.15	3/4	1,888.11	3/4	1,527.07	3/4	1,166.05	3/4	805.15	3/4	444.79	3/4	87.80	3/4	3/4	3/4	3/4
1	2,602.65	1	2,241.62	1	1,880.59	1	1,519.55	1	1,158.53	1	797.64	1	437.26	1	80.49	1	1	1	1
1/4	2,595.12	1/4	2,234.10	1/4	1,873.07	1/4	1,512.03	1/4	1,151.01	1/4	790.14	1/4	429.74	1/4	73.18	1/4	1/4	1/4	1/4
1/2	2,587.60	1/2	2,226.57	1/2	1,865.55	1/2	1,504.51	1/2	1,143.48	1/2	782.63	1/2	422.22	1/2	65.89	1/2	1/2	1/2	1/2
3/4	2,580.08	3/4	2,219.05	3/4	1,858.03	3/4	1,496.99	3/4	1,135.95	3/4	775.13	3/4	414.69	3/4	58.81	3/4	3/4	3/4	3/4
2	2,572.56	2	2,211.53	2	1,850.50	2	1,489.47	2	1,128.43	2	767.62	2	407.17	2	52.23	2	2	2	2
1/4	2,565.05	1/4	2,204.00	1/4	1,842.98	1/4	1,481.95	1/4	1,120.91	1/4	760.11	1/4	399.65	1/4	46.10	1/4	1/4	1/4	1/4
1/2	2,557.53	1/2	2,196.48	1/2	1,835.45	1/2	1,474.43	1/2	1,113.39	1/2	752.61	1/2	392.13	1/2	40.13	1/2	1/2	1/2	1/2
3/4	2,550.00	3/4	2,188.96	3/4	1,827.91	3/4	1,466.91	3/4	1,105.87	3/4	745.10	3/4	384.61	3/4	34.31	3/4	3/4	3/4	3/4
3	2,542.48	3	2,181.45	3	1,820.38	3	1,459.38	3	1,098.35	3	737.60	3	377.09	3	29.13	3	3	3	3
1/4	2,534.95	1/4	2,173.93	1/4	1,812.85	1/4	1,451.86	1/4	1,090.83	1/4	730.09	1/4	369.57	1/4	24.75	1/4	1/4	1/4	1/4
1/2	2,527.43	1/2	2,166.41	1/2	1,805.32	1/2	1,444.34	1/2	1,083.31	1/2	722.58	1/2	362.05	1/2	22.71	1/2	1/2	1/2	1/2
3/4	2,519.91	3/4	2,158.88	3/4	1,797.81	3/4	1,436.81	3/4	1,075.79	3/4	715.08	3/4	354.53	3/4		3/4	3/4	3/4	3/4
4	2,512.38	4	2,151.36	4	1,790.31	4	1,429.29	4	1,068.26	4	707.57	4	347.00	4		4	4	4	4
1/4	2,504.86	1/4	2,143.84	1/4	1,782.80	1/4	1,421.77	1/4	1,060.74	1/4	700.07	1/4	339.48	1/4		1/4	1/4	1/4	1/4
1/2	2,497.34	1/2	2,136.31	1/2	1,775.29	1/2	1,414.24	1/2	1,053.22	1/2	692.56	1/2	331.96	1/2		1/2	1/2	1/2	1/2
3/4	2,489.82	3/4	2,128.79	3/4	1,767.76	3/4	1,406.73	3/4	1,045.70	3/4	685.05	3/4	324.44	3/4		3/4	3/4	3/4	3/4
5	2,482.30	5	2,121.26	5	1,760.24	5	1,399.21	5	1,038.18	5	677.55	5	316.93	5		5	5	5	5
1/4	2,474.78	1/4	2,113.74	1/4	1,752.72	1/4	1,391.69	1/4	1,030.67	1/4	670.04	1/4	309.41	1/4		1/4	1/4	1/4	1/4
1/2	2,467.26	1/2	2,106.22	1/2	1,745.20	1/2	1,384.17	1/2	1,023.14	1/2	662.54	1/2	301.88	1/2		1/2	1/2	1/2	1/2
3/4	2,459.74	3/4	2,098.70	3/4	1,737.68	3/4	1,376.65	3/4	1,015.62	3/4	654.04	3/4	294.36	3/4		3/4	3/4	3/4	3/4
6	2,452.22	6	2,091.18	6	1,730.16	6	1,369.12	6	1,008.10	6	646.54	6	286.84	6		6	6	6	6
1/4	2,444.69	1/4	2,083.67	1/4	1,722.64	1/4	1,361.60	1/4	1,000.57	1/4	640.04	1/4	279.31	1/4		1/4	1/4	1/4	1/4
1/2	2,437.17	1/2	2,076.14	1/2	1,715.12	1/2	1,354.08	1/2	993.05	1/2	632.53	1/2	271.79	1/2		1/2	1/2	1/2	1/2
3/4	2,429.65	3/4	2,068.62	3/4	1,707.60	3/4	1,346.56	3/4	985.53	3/4	625.03	3/4	264.26	3/4		3/4	3/4	3/4	3/4
7	2,422.14	7	2,061.10	7	1,700.07	7	1,339.04	7	978.00	7	617.52	7	256.74	7		7	7	7	7
1/4	2,414.62	1/4	2,053.57	1/4	1,692.55	1/4	1,331.52	1/4	970.48	1/4	610.02	1/4	249.22	1/4		1/4	1/4	1/4	1/4
1/2	2,407.10	1/2	2,046.05	1/2	1,685.03	1/2	1,324.00	1/2	962.96	1/2	602.51	1/2	241.69	1/2		1/2	1/2	1/2	1/2
3/4	2,399.57	3/4	2,038.54	3/4	1,677.50	3/4	1,316.48	3/4	955.44	3/4	595.01	3/4	234.19	3/4		3/4	3/4	3/4	3/4
8	2,392.05	8	2,031.02	8	1,669.98	8	1,308.95	8	947.92	8	587.50	8	226.79	8		8	8	8	8
1/4	2,384.53	1/4	2,023.50	1/4	1,662.46	1/4	1,301.43	1/4	940.40	1/4	579.99	1/4	219.45	1/4		1/4	1/4	1/4	1/4
1/2	2,377.00	1/2	2,015.98	1/2	1,654.93	1/2	1,293.91	1/2	932.88	1/2	572.49	1/2	212.14	1/2		1/2	1/2	1/2	1/2
3/4	2,369.48	3/4	2,008.45	3/4	1,647.42	3/4	1,286.38	3/4	925.36	3/4	564.98	3/4	204.82	3/4		3/4	3/4	3/4	3/4
9	2,361.95	9	2,000.93	9	1,639.90	9	1,278.86	9	917.84	9	557.48	9	197.51	9		9	9	9	9
1/4	2,354.43	1/4	1,993.41	1/4	1,632.38	1/4	1,271.34	1/4	910.31	1/4	549.97	1/4	190.20	1/4		1/4	1/4	1/4	1/4
1/2	2,346.91	1/2	1,985.88	1/2	1,624.86	1/2	1,263.82	1/2	902.79	1/2	542.46	1/2	182.89	1/2		1/2	1/2	1/2	1/2
3/4	2,339.39	3/4	1,978.36	3/4	1,617.34	3/4	1,256.30	3/4	895.27	3/4	534.96	3/4	175.57	3/4		3/4	3/4	3/4	3/4
10	2,331.87	10	1,970.84	10	1,609.81	10	1,248.78	10	887.76	10	527.45	10	168.24	10		10	10	10	10
1/4	2,324.36	1/4	1,963.31	1/4	1,602.29	1/4	1,241.26	1/4	880.24	1/4	519.95	1/4	160.93	1/4		1/4	1/4	1/4	1/4
1/2	2,316.84	1/2	1,955.79	1/2	1,594.77	1/2	1,233.74	1/2	872.72	1/2	513.63	1/2	153.63	1/2		1/2	1/2	1/2	1/2
3/4	2,309.31	3/4	1,948.27	3/4	1,587.25	3/4	1,226.22	3/4	865.20	3/4	504.93	3/4	146.32	3/4		3/4	3/4	3/4	3/4
11	2,301.79	11	1,940.76	11	1,579.73	11	1,218.69	11	857.68	11	497.41	11	139.01	11		11	11	11	11
1/4	2,294.27	1/4	1,933.24	1/4	1,572.21	1/4	1,211.17	1/4	850.17	1/4	489.90	1/4	131.69	1/4		1/4	1/4	1/4	1/4
1/2	2,286.74	1/2	1,925.72	1/2	1,564.69	1/2	1,203.65	1/2	842.66	1/2	482.39	1/2	124.37	1/2		1/2	1/2	1/2	1/2
3/4	2,279.23	3/4	1,918.19	3/4	1,557.17	3/4	1,196.13	3/4	835.16	3/4	474.87	3/4	117.06	3/4		3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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