



KIRBY 10561



Barge Strapping Tables





BARGE "KIRBY 10561"

ULLAGE TRIM TABLE

FORMERLY "S/R 113"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-3/8	00-3/8	-00-1/2	00-1/2	-00-5/8	00-5/8	-00-3/4	00-3/4
2 CENTER	-00-1/4	00-1/4	-00-5/8	00-5/8	-00-7/8	00-7/8	-01-1/8	01-1/8	-01-1/2	01-1/2	-01-3/4	01-3/4
3 CENTER	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/4	-00-1/4	00-3/8	-00-3/8	00-3/8	-00-3/8	00-1/2	-00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 153'-00"

November 2, 2004

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

<http://www.pmacorp.net>



BARGE "KIRBY 10561"

1 CENTER ULLAGE TABLE

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

FORMERLY "SR 113"

GAUGE HEIGHT 17'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	0	0	0	0	0	0	0	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	1/4	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
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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 25'-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 10561"

1 CENTER ULLAGE TABLE

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

FORMERLY "SR 113"

GAUGE HEIGHT 17'-09"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D
0	1,902.73	0	1,653.84	0	1,404.97	0	1,156.09	0	907.22	0	658.54	0	409.92	0	161.08	0		0	
1/4	1,897.54	1/4	1,648.66	1/4	1,399.79	1/4	1,150.91	1/4	902.04	1/4	653.37	1/4	404.74	1/4	155.90	1/4		1/4	
1/2	1,892.36	1/2	1,643.47	1/2	1,394.60	1/2	1,145.72	1/2	896.85	1/2	648.19	1/2	399.55	1/2	150.73	1/2		1/2	
3/4	1,887.17	3/4	1,638.29	3/4	1,389.42	3/4	1,140.54	3/4	891.67	3/4	643.02	3/4	394.37	3/4	145.56	3/4		3/4	
1	1,881.98	1	1,633.10	1	1,384.23	1	1,135.35	1	886.48	1	637.84	1	389.18	1	140.37	1		1	
1 1/4	1,876.80	1 1/4	1,627.92	1 1/4	1,379.05	1 1/4	1,130.17	1 1/4	881.30	1 1/4	632.67	1 1/4	384.00	1 1/4	135.19	1 1/4		1 1/4	
1 1/2	1,871.61	1 1/2	1,622.73	1 1/2	1,373.86	1 1/2	1,124.98	1 1/2	876.11	1 1/2	627.50	1 1/2	378.82	1 1/2	130.01	1 1/2		1 1/2	
3/4	1,866.43	3/4	1,617.55	3/4	1,368.68	3/4	1,119.80	3/4	870.93	3/4	622.32	3/4	373.63	3/4	124.83	3/4		3/4	
2	1,861.24	2	1,612.36	2	1,363.49	2	1,114.61	2	865.74	2	617.15	2	368.45	2	119.65	2		2	
2 1/4	1,856.06	2 1/4	1,607.18	2 1/4	1,358.31	2 1/4	1,109.43	2 1/4	860.56	2 1/4	611.98	2 1/4	363.27	2 1/4	114.47	2 1/4		2 1/4	
1 1/2	1,850.87	1 1/2	1,601.99	1 1/2	1,353.12	1 1/2	1,104.24	1 1/2	855.37	1 1/2	606.80	1 1/2	358.08	1 1/2	109.30	1 1/2		1 1/2	
3/4	1,845.69	3/4	1,596.81	3/4	1,347.94	3/4	1,099.06	3/4	850.19	3/4	601.63	3/4	352.90	3/4	104.12	3/4		3/4	
3	1,840.50	3	1,591.62	3	1,342.75	3	1,093.87	3	845.00	3	596.45	3	347.71	3	98.94	3		3	
3 1/4	1,835.32	3 1/4	1,586.44	3 1/4	1,337.57	3 1/4	1,088.69	3 1/4	839.82	3 1/4	591.28	3 1/4	342.53	3 1/4	93.76	3 1/4		3 1/4	
1 1/2	1,830.13	1 1/2	1,581.25	1 1/2	1,332.38	1 1/2	1,083.50	1 1/2	834.63	1 1/2	586.11	1 1/2	337.34	1 1/2	88.58	1 1/2		1 1/2	
3/4	1,824.95	3/4	1,576.07	3/4	1,327.20	3/4	1,078.32	3/4	829.45	3/4	580.93	3/4	332.16	3/4	83.40	3/4		3/4	
4	1,819.76	4	1,570.88	4	1,322.01	4	1,073.13	4	824.26	4	575.76	4	326.97	4	78.22	4		4	
4 1/4	1,814.58	4 1/4	1,565.70	4 1/4	1,316.83	4 1/4	1,067.95	4 1/4	819.08	4 1/4	570.59	4 1/4	321.79	4 1/4	73.04	4 1/4		4 1/4	
1 1/2	1,809.39	1 1/2	1,560.51	1 1/2	1,311.64	1 1/2	1,062.76	1 1/2	813.89	1 1/2	565.41	1 1/2	316.60	1 1/2	67.86	1 1/2		1 1/2	
3/4	1,804.21	3/4	1,555.33	3/4	1,306.46	3/4	1,057.58	3/4	808.71	3/4	560.24	3/4	311.42	3/4	62.67	3/4		3/4	
5	1,799.02	5	1,550.14	5	1,301.27	5	1,052.39	5	803.52	5	555.06	5	306.23	5	57.49	5		5	
5 1/4	1,793.84	5 1/4	1,544.96	5 1/4	1,296.09	5 1/4	1,047.21	5 1/4	798.34	5 1/4	549.88	5 1/4	301.05	5 1/4	52.31	5 1/4		5 1/4	
1 1/2	1,788.65	1 1/2	1,539.77	1 1/2	1,290.90	1 1/2	1,042.02	1 1/2	793.15	1 1/2	544.70	1 1/2	295.86	1 1/2	47.12	1 1/2		1 1/2	
3/4	1,783.47	3/4	1,534.59	3/4	1,285.72	3/4	1,036.84	3/4	787.97	3/4	539.52	3/4	290.68	3/4	41.94	3/4		3/4	
6	1,778.28	6	1,529.40	6	1,280.53	6	1,031.65	6	782.78	6	534.34	6	285.49	6	36.75	6		6	
6 1/4	1,773.10	6 1/4	1,524.22	6 1/4	1,275.35	6 1/4	1,026.47	6 1/4	777.60	6 1/4	529.16	6 1/4	280.31	6 1/4	32.09	6 1/4		6 1/4	
1 1/2	1,767.91	1 1/2	1,519.03	1 1/2	1,270.16	1 1/2	1,021.28	1 1/2	772.41	1 1/2	523.98	1 1/2	275.12	1 1/2	27.43	1 1/2		1 1/2	
3/4	1,762.73	3/4	1,513.85	3/4	1,264.98	3/4	1,016.10	3/4	767.23	3/4	518.79	3/4	269.94	3/4	22.77	3/4		3/4	
7	1,757.54	7	1,508.66	7	1,259.79	7	1,010.91	7	762.04	7	513.61	7	264.75	7	18.11	7		7	
7 1/4	1,752.36	7 1/4	1,503.48	7 1/4	1,254.61	7 1/4	1,005.73	7 1/4	756.86	7 1/4	508.43	7 1/4	259.57	7 1/4	15.09	7 1/4		7 1/4	
1 1/2	1,747.17	1 1/2	1,498.29	1 1/2	1,249.42	1 1/2	1,000.54	1 1/2	751.68	1 1/2	503.24	1 1/2	254.39	1 1/2	12.07	1 1/2		1 1/2	
3/4	1,741.99	3/4	1,493.11	3/4	1,244.24	3/4	995.36	3/4	746.50	3/4	498.06	3/4	249.20	3/4	9.04	3/4		3/4	
8	1,736.80	8	1,487.92	8	1,239.05	8	990.17	8	741.32	8	492.87	8	244.02	8	6.02	8		8	
8 1/4	1,731.62	8 1/4	1,482.74	8 1/4	1,233.87	8 1/4	984.99	8 1/4	736.15	8 1/4	487.69	8 1/4	238.84	8 1/4	4.73	8 1/4		8 1/4	
1 1/2	1,726.43	1 1/2	1,477.55	1 1/2	1,228.68	1 1/2	979.80	1 1/2	730.98	1 1/2	482.51	1 1/2	233.65	1 1/2	3.43	1 1/2		1 1/2	
3/4	1,721.25	3/4	1,472.37	3/4	1,223.50	3/4	974.62	3/4	725.80	3/4	477.32	3/4	228.47	3/4	2.14	3/4		3/4	
9	1,716.06	9	1,467.18	9	1,218.31	9	969.43	9	720.63	9	472.14	9	223.28	9	0.84	9		9	
9 1/4	1,710.88	9 1/4	1,462.00	9 1/4	1,213.13	9 1/4	964.25	9 1/4	715.46	9 1/4	466.96	9 1/4	218.10	9 1/4		9 1/4		9 1/4	
1 1/2	1,705.69	1 1/2	1,456.81	1 1/2	1,207.94	1 1/2	959.06	1 1/2	710.28	1 1/2	461.77	1 1/2	212.91	1 1/2		1 1/2		1 1/2	
3/4	1,700.51	3/4	1,451.63	3/4	1,202.76	3/4	953.88	3/4	705.11	3/4	456.59	3/4	207.73	3/4		3/4		3/4	
10	1,695.32	10	1,446.44	10	1,197.57	10	948.69	10	699.93	10	451.40	10	202.54	10		10		10	
10 1/4	1,690.14	10 1/4	1,441.26	10 1/4	1,192.39	10 1/4	943.51	10 1/4	694.76	10 1/4	446.22	10 1/4	197.36	10 1/4		10 1/4		10 1/4	
1 1/2	1,684.95	1 1/2	1,436.07	1 1/2	1,187.20	1 1/2	938.32	1 1/2	689.59	1 1/2	441.03	1 1/2	192.17	1 1/2		1 1/2		1 1/2	
3/4	1,679.77	3/4	1,430.89	3/4	1,182.02	3/4	933.14	3/4	684.41	3/4	435.85	3/4	186.99	3/4		3/4		3/4	
11	1,674.58	11	1,425.70	11	1,176.83	11	927.95	11	679.24	11	430.66	11	181.80	11		11		11	
11 1/4	1,669.40	11 1/4	1,420.52	11 1/4	1,171.65	11 1/4	922.77	11 1/4	674.07	11 1/4	425.48	11 1/4	176.62	11 1/4		11 1/4		11 1/4	
1 1/2	1,664.21	1 1/2	1,415.34	1 1/2	1,166.46	1 1/2	917.59	1 1/2	668.89	1 1/2	420.29	1 1/2	171.44	1 1/2		1 1/2		1 1/2	
3/4	1,659.03	3/4	1,410.15	3/4	1,161.28	3/4	912.40	3/4	663.72	3/4	415.11	3/4	166.26	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED, 11/06/1999 ITS
DECK MEASUREMENTS: 11/01/2004 SW
REPRINTED: 11/02/2004 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2004

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



BARGE "KIRBY 10561"

2 CENTER ULLAGE TABLE

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

FORMERLY "SR 113"

GAUGE HEIGHT 17'-09"

H	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	0	0	3,143.18	0	2,894.58	0	2,397.49	0
1/4	1/4	1/4	1/4	1/4	3,138.00	1/4	2,889.40	1/4	2,392.31	1/4
1/2	1/2	1/2	1/2	1/2	3,132.82	1/2	2,884.23	1/2	2,387.14	1/2
3/4	3/4	3/4	3/4	3/4	3,127.64	3/4	2,879.05	3/4	2,381.96	3/4
1	1	1	1	1	3,122.46	1	2,873.87	1	2,376.78	1
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3,117.28	1 1/4	2,868.69	1 1/4	2,371.60	1 1/4
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3,112.11	1 1/2	2,863.52	1 1/2	2,366.42	1 1/2
1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	3,106.93	1 3/4	2,858.34	1 3/4	2,361.24	1 3/4
2	2	2	2	2	3,101.75	2	2,853.16	2	2,356.06	2
2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	3,096.57	2 1/4	2,847.98	2 1/4	2,350.88	2 1/4
2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	3,091.39	2 1/2	2,842.80	2 1/2	2,345.71	2 1/2
2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	3,086.21	2 3/4	2,837.62	2 3/4	2,340.53	2 3/4
3	3	3	3	3	3,081.03	3	2,832.44	3	2,335.35	3
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3,075.85	3 1/4	2,827.26	3 1/4	2,330.17	3 1/4
3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3,070.67	3 1/2	2,822.09	3 1/2	2,325.00	3 1/2
3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3,065.49	3 3/4	2,816.91	3 3/4	2,319.82	3 3/4
4	4	4	4	4	3,060.31	4	2,811.73	4	2,314.64	4
4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	3,055.13	4 1/4	2,806.55	4 1/4	2,309.46	4 1/4
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	3,049.95	4 1/2	2,801.38	4 1/2	2,304.29	4 1/2
4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	3,044.77	4 3/4	2,796.20	4 3/4	2,299.11	4 3/4
5	5	5	5	5	3,039.59	5	2,791.02	5	2,293.93	5
5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	3,034.41	5 1/4	2,785.84	5 1/4	2,288.75	5 1/4
5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	3,029.23	5 1/2	2,780.67	5 1/2	2,283.57	5 1/2
5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	3,024.05	5 3/4	2,775.49	5 3/4	2,278.39	5 3/4
6	6	6	6	6	3,018.87	6	2,770.31	6	2,273.21	6
6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	3,013.69	6 1/4	2,765.13	6 1/4	2,268.03	6 1/4
6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	3,008.51	6 1/2	2,759.96	6 1/2	2,262.86	6 1/2
6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	3,003.34	6 3/4	2,754.78	6 3/4	2,257.68	6 3/4
7	7	7	7	7	2,998.16	7	2,749.60	7	2,252.50	7
7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	2,992.98	7 1/4	2,744.42	7 1/4	2,247.32	7 1/4
7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	2,987.80	7 1/2	2,739.24	7 1/2	2,242.15	7 1/2
7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	2,982.62	7 3/4	2,734.06	7 3/4	2,236.97	7 3/4
8	8	8	8	8	2,977.44	8	2,728.88	8	2,231.79	8
8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	2,972.26	8 1/4	2,723.70	8 1/4	2,226.61	8 1/4
8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	2,967.08	8 1/2	2,718.53	8 1/2	2,221.44	8 1/2
8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	2,961.90	8 3/4	2,713.35	8 3/4	2,216.26	8 3/4
9	9	9	9	9	2,956.72	9	2,708.17	9	2,211.08	9
9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	2,951.54	9 1/4	2,702.99	9 1/4	2,205.90	9 1/4
9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	2,946.36	9 1/2	2,697.82	9 1/2	2,200.73	9 1/2
9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	2,941.19	9 3/4	2,692.64	9 3/4	2,195.55	9 3/4
10	10	10	10	10	2,936.01	10	2,687.46	10	2,190.37	10
10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	2,930.83	10 1/4	2,682.28	10 1/4	2,185.19	10 1/4
10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	2,925.65	10 1/2	2,677.11	10 1/2	2,180.01	10 1/2
10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	2,920.47	10 3/4	2,671.93	10 3/4	2,174.83	10 3/4
11	11	11	11	11	2,915.29	11	2,666.75	11	2,169.65	11
11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	2,910.11	11 1/4	2,661.57	11 1/4	2,164.47	11 1/4
11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	2,904.94	11 1/2	2,656.39	11 1/2	2,159.30	11 1/2
11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	2,899.76	11 3/4	2,651.21	11 3/4	2,154.12	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE

GAUGE POINT (HERMETIC) LOCATED ON CENTERLINE AND 23'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pasadena, Texas 77688

http://www.pmacorp.net



BARGE "KIRBY 10561"

2 CENTER ULLAGE TABLE

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

FORMERLY "SR 113"

GAUGE HEIGHT 17'-09"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	1,900.36	1,951.79	1,403.22	1,154.66	906.09	657.73	409.41	160.88	0	0
1/4	1,895.18	1,946.61	1,398.04	1,149.48	900.91	652.56	404.23	155.71	1/4	1/4
1/2	1,890.01	1,941.43	1,392.87	1,144.30	895.73	647.39	399.06	150.54	1/2	1/2
3/4	1,884.83	1,936.25	1,387.69	1,139.12	890.55	642.22	393.88	145.37	3/4	3/4
1	1,879.65	1,931.07	1,382.51	1,133.94	885.37	637.05	388.70	140.19	1	1
1 1/4	1,874.47	1,925.89	1,377.33	1,128.76	880.19	631.89	383.52	135.02	1 1/4	1 1/4
1 1/2	1,869.29	1,920.72	1,372.15	1,123.59	875.02	626.72	378.35	129.85	1 1/2	1 1/2
3/4	1,864.11	1,915.54	1,366.97	1,118.41	869.84	621.55	373.17	124.68	3/4	3/4
2	1,858.93	1,910.36	1,361.79	1,113.23	864.66	616.39	367.99	119.50	2	2
1 1/4	1,853.75	1,905.18	1,356.61	1,108.05	859.48	611.22	362.81	114.33	1 1/4	1 1/4
1 1/2	1,848.58	1,900.00	1,351.44	1,102.87	854.31	606.05	357.64	109.16	1 1/2	1 1/2
3/4	1,843.40	1,894.82	1,346.26	1,097.69	849.13	600.88	352.46	103.99	3/4	3/4
3	1,838.22	1,889.64	1,341.08	1,092.51	843.95	595.72	347.28	98.81	3	3
1 1/4	1,833.04	1,884.46	1,335.90	1,087.33	838.77	590.55	342.10	93.64	1 1/4	1 1/4
1 1/2	1,827.86	1,879.29	1,330.73	1,082.16	833.59	585.38	336.92	88.47	1 1/2	1 1/2
3/4	1,822.68	1,874.11	1,325.55	1,076.98	828.41	580.21	331.74	83.30	3/4	3/4
4	1,817.50	1,868.93	1,320.37	1,071.80	823.23	575.05	326.56	78.12	4	4
1 1/4	1,812.32	1,863.75	1,315.19	1,066.62	818.05	569.88	321.38	72.95	1 1/4	1 1/4
1 1/2	1,807.15	1,858.58	1,310.01	1,061.45	812.88	564.71	316.21	67.77	1 1/2	1 1/2
3/4	1,801.97	1,853.40	1,304.83	1,056.27	807.70	559.54	311.03	62.60	3/4	3/4
5	1,796.79	1,848.22	1,299.65	1,051.09	802.52	554.37	305.85	57.42	5	5
1 1/4	1,791.61	1,843.04	1,294.47	1,045.91	797.34	549.20	300.67	52.24	1 1/4	1 1/4
1 1/2	1,786.44	1,837.86	1,289.30	1,040.73	792.16	544.03	295.50	47.06	1 1/2	1 1/2
3/4	1,781.26	1,832.68	1,284.12	1,035.55	786.98	538.86	290.32	41.88	3/4	3/4
6	1,776.08	1,827.50	1,278.94	1,030.37	781.80	533.68	285.14	36.69	6	6
1 1/4	1,770.90	1,822.32	1,273.76	1,025.19	776.62	528.50	279.96	31.51	1 1/4	1 1/4
1 1/2	1,765.72	1,817.15	1,268.58	1,020.02	771.45	523.33	274.79	26.32	1 1/2	1 1/2
3/4	1,760.54	1,811.97	1,263.40	1,014.84	766.27	518.15	269.61	21.14	3/4	3/4
7	1,755.36	1,806.79	1,258.22	1,009.66	761.09	512.97	264.43	15.95	7	7
1 1/4	1,750.18	1,801.61	1,253.04	1,004.48	755.92	507.79	259.25	10.76	1 1/4	1 1/4
1 1/2	1,745.01	1,796.44	1,247.87	999.30	750.75	502.62	254.07	5.57	1 1/2	1 1/2
3/4	1,739.83	1,791.26	1,242.69	994.12	745.58	497.44	248.89	0.38	3/4	3/4
8	1,734.65	1,786.08	1,237.51	988.94	740.41	492.26	243.71	0	8	8
1 1/4	1,729.47	1,780.90	1,232.33	983.76	735.24	487.08	238.53	0	1 1/4	1 1/4
1 1/2	1,724.29	1,775.72	1,227.16	978.59	730.07	481.91	233.36	0	1 1/2	1 1/2
3/4	1,719.11	1,770.54	1,221.98	973.41	724.90	476.73	228.18	0	3/4	3/4
9	1,713.93	1,765.36	1,216.80	968.23	719.74	471.55	223.00	0	9	9
1 1/4	1,708.75	1,760.18	1,211.62	963.05	714.57	466.37	217.82	0	1 1/4	1 1/4
1 1/2	1,703.58	1,755.01	1,206.44	957.88	709.40	461.20	212.65	0	1 1/2	1 1/2
3/4	1,698.40	1,749.83	1,201.26	952.70	704.23	456.02	207.47	0	3/4	3/4
10	1,693.22	1,744.65	1,196.08	947.52	699.07	450.84	202.29	0	10	10
1 1/4	1,688.04	1,739.47	1,190.90	942.34	693.90	445.66	197.11	0	1 1/4	1 1/4
1 1/2	1,682.86	1,734.29	1,185.73	937.16	688.73	440.49	191.93	0	1 1/2	1 1/2
3/4	1,677.68	1,729.11	1,180.55	931.98	683.56	435.31	186.75	0	3/4	3/4
11	1,672.50	1,723.93	1,175.37	926.80	678.40	430.13	181.57	0	11	11
1 1/4	1,667.32	1,718.75	1,170.19	921.62	673.23	424.95	176.40	0	1 1/4	1 1/4
1 1/2	1,662.15	1,713.58	1,165.02	916.45	668.06	419.77	171.23	0	1 1/2	1 1/2
3/4	1,656.97	1,708.40	1,159.84	911.27	662.89	414.59	166.06	0	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 11/02/1999 ITS
DECK MEASUREMENTS: 11/01/2004 SW
REPRINTED: 11/02/2004 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2004

PRECISION MEASUREMENT
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BARGE "KIRBY 10561"

3 CENTER ULLAGE TABLE

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

FORMERLY "SR 113"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M
0	0	0	0	0	0	0	0	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	1/4	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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE
GAUGE POINT (HERMETIC) LOCATED ON CENTERLINE AND 27'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77584
<http://www.pmacorp.net>

SHEET NO. 5 OF 6



BARGE "KIRBY 10561"

3 CENTER ULLAGE TABLE

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

FORMERLY "SR 113"

GAUGE HEIGHT 17'-09 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
B	W	B	W	B	W	B	W	B	W	B	W	B	W	B	W	B	W	B	W	
0	1,915.37	0	1,666.19	0	1,417.02	0	1,167.85	0	918.68	0	669.51	0	420.34	0	171.64	0	0	0	0	0
1/4	1,910.18	1/4	1,661.00	1/4	1,411.83	1/4	1,162.66	1/4	913.49	1/4	664.32	1/4	415.00	1/4	166.46	1/4	0	0	0	0
1/2	1,904.99	1/2	1,655.81	1/2	1,406.64	1/2	1,157.47	1/2	908.30	1/2	659.12	1/2	406.51	1/2	161.27	1/2	0	0	0	0
3/4	1,899.80	3/4	1,650.62	3/4	1,401.45	3/4	1,152.28	3/4	903.11	3/4	654.14	3/4	402.22	3/4	166.08	3/4	0	0	0	0
1	1,894.61	1	1,645.43	1	1,396.26	1	1,147.08	1	897.91	1	648.96	1	400.03	1	150.90	1	0	0	0	0
1 1/4	1,889.42	1 1/4	1,640.24	1 1/4	1,391.07	1 1/4	1,141.89	1 1/4	892.72	1 1/4	643.78	1 1/4	394.84	1 1/4	145.71	1 1/4	0	0	0	0
1 1/2	1,884.23	1 1/2	1,635.05	1 1/2	1,385.88	1 1/2	1,136.70	1 1/2	887.53	1 1/2	638.60	1 1/2	389.55	1 1/2	140.53	1 1/2	0	0	0	0
3/4	1,879.04	3/4	1,629.86	3/4	1,380.69	3/4	1,131.51	3/4	882.34	3/4	633.42	3/4	384.46	3/4	135.34	3/4	0	0	0	0
2	1,873.84	2	1,624.66	2	1,375.49	2	1,126.32	2	877.15	2	628.24	2	379.26	2	130.16	2	0	0	0	0
2 1/4	1,868.65	2 1/4	1,619.47	2 1/4	1,370.30	2 1/4	1,121.13	2 1/4	871.96	2 1/4	623.06	2 1/4	374.07	2 1/4	124.97	2 1/4	0	0	0	0
2 1/2	1,863.46	2 1/2	1,614.28	2 1/2	1,365.11	2 1/2	1,116.94	2 1/2	866.77	2 1/2	617.88	2 1/2	368.88	2 1/2	119.79	2 1/2	0	0	0	0
3	1,858.27	3	1,609.09	3	1,359.92	3	1,110.75	3	861.58	3	612.70	3	363.69	3	114.50	3	0	0	0	0
3 1/4	1,853.08	3 1/4	1,603.91	3 1/4	1,354.73	3 1/4	1,105.56	3 1/4	856.38	3 1/4	607.52	3 1/4	358.50	3 1/4	109.42	3 1/4	0	0	0	0
3 1/2	1,847.89	3 1/2	1,598.71	3 1/2	1,349.54	3 1/2	1,100.37	3 1/2	851.19	3 1/2	602.34	3 1/2	353.31	3 1/2	104.23	3 1/2	0	0	0	0
4	1,842.70	4	1,593.52	4	1,344.35	4	1,095.18	4	846.00	4	597.16	4	348.12	4	99.05	4	0	0	0	0
4 1/4	1,837.51	4 1/4	1,588.33	4 1/4	1,339.16	4 1/4	1,089.99	4 1/4	840.81	4 1/4	591.98	4 1/4	342.93	4 1/4	93.86	4 1/4	0	0	0	0
4 1/2	1,832.31	4 1/2	1,583.13	4 1/2	1,333.96	4 1/2	1,084.79	4 1/2	835.62	4 1/2	586.80	4 1/2	337.74	4 1/2	88.68	4 1/2	0	0	0	0
5	1,827.12	5	1,577.94	5	1,328.77	5	1,079.60	5	830.43	5	581.62	5	332.55	5	83.49	5	0	0	0	0
5 1/4	1,821.93	5 1/4	1,572.75	5 1/4	1,323.58	5 1/4	1,074.41	5 1/4	825.24	5 1/4	576.44	5 1/4	327.36	5 1/4	78.31	5 1/4	0	0	0	0
5 1/2	1,816.74	5 1/2	1,567.56	5 1/2	1,318.39	5 1/2	1,069.22	5 1/2	820.05	5 1/2	571.26	5 1/2	322.17	5 1/2	73.12	5 1/2	0	0	0	0
6	1,811.55	6	1,562.37	6	1,313.20	6	1,064.03	6	814.85	6	566.08	6	316.98	6	67.93	6	0	0	0	0
6 1/4	1,806.36	6 1/4	1,557.18	6 1/4	1,308.01	6 1/4	1,058.84	6 1/4	809.66	6 1/4	560.90	6 1/4	311.79	6 1/4	62.75	6 1/4	0	0	0	0
6 1/2	1,801.17	6 1/2	1,551.99	6 1/2	1,302.82	6 1/2	1,053.65	6 1/2	804.47	6 1/2	555.72	6 1/2	306.60	6 1/2	57.56	6 1/2	0	0	0	0
7	1,795.98	7	1,546.80	7	1,297.63	7	1,048.46	7	799.28	7	550.53	7	301.41	7	52.37	7	0	0	0	0
7 1/4	1,790.78	7 1/4	1,541.60	7 1/4	1,292.43	7 1/4	1,043.26	7 1/4	794.09	7 1/4	545.35	7 1/4	296.21	7 1/4	47.17	7 1/4	0	0	0	0
7 1/2	1,785.59	7 1/2	1,536.41	7 1/2	1,287.24	7 1/2	1,038.07	7 1/2	788.90	7 1/2	540.16	7 1/2	291.02	7 1/2	41.98	7 1/2	0	0	0	0
8	1,780.40	8	1,531.22	8	1,282.05	8	1,032.88	8	783.71	8	534.98	8	285.83	8	36.79	8	0	0	0	0
8 1/4	1,775.21	8 1/4	1,526.03	8 1/4	1,276.86	8 1/4	1,027.69	8 1/4	778.52	8 1/4	529.79	8 1/4	280.64	8 1/4	32.12	8 1/4	0	0	0	0
8 1/2	1,770.02	8 1/2	1,520.84	8 1/2	1,271.67	8 1/2	1,022.50	8 1/2	773.33	8 1/2	524.60	8 1/2	275.45	8 1/2	27.46	8 1/2	0	0	0	0
9	1,764.83	9	1,515.65	9	1,266.48	9	1,017.31	9	768.14	9	519.41	9	270.26	9	22.79	9	0	0	0	0
9 1/4	1,759.64	9 1/4	1,510.46	9 1/4	1,261.29	9 1/4	1,012.12	9 1/4	762.95	9 1/4	514.22	9 1/4	265.07	9 1/4	18.13	9 1/4	0	0	0	0
9 1/2	1,754.45	9 1/2	1,505.27	9 1/2	1,256.10	9 1/2	1,006.93	9 1/2	757.76	9 1/2	509.03	9 1/2	259.88	9 1/2	15.10	9 1/2	0	0	0	0
10	1,749.25	10	1,500.08	10	1,250.91	10	1,001.73	10	752.58	10	503.84	10	254.69	10	12.08	10	0	0	0	0
10 1/4	1,744.06	10 1/4	1,494.89	10 1/4	1,245.72	10 1/4	996.54	10 1/4	747.39	10 1/4	498.65	10 1/4	249.50	10 1/4	9.05	10 1/4	0	0	0	0
10 1/2	1,738.87	10 1/2	1,489.70	10 1/2	1,240.53	10 1/2	991.35	10 1/2	742.21	10 1/2	493.46	10 1/2	244.31	10 1/2	6.03	10 1/2	0	0	0	0
11	1,733.68	11	1,484.51	11	1,235.34	11	986.16	11	737.03	11	488.27	11	239.12	11	4.73	11	0	0	0	0
11 1/4	1,728.49	11 1/4	1,479.31	11 1/4	1,230.14	11 1/4	980.97	11 1/4	731.85	11 1/4	483.08	11 1/4	233.92	11 1/4	3.43	11 1/4	0	0	0	0
11 1/2	1,723.30	11 1/2	1,474.12	11 1/2	1,224.95	11 1/2	975.78	11 1/2	726.67	11 1/2	477.89	11 1/2	228.73	11 1/2	2.14	11 1/2	0	0	0	0
12	1,718.11	12	1,468.93	12	1,219.76	12	970.59	12	721.49	12	472.70	12	223.54	12	0.84	12	0	0	0	0
12 1/4	1,712.92	12 1/4	1,463.74	12 1/4	1,214.57	12 1/4	965.40	12 1/4	716.31	12 1/4	467.51	12 1/4	218.35	12 1/4	0	12 1/4	0	0	0	0
12 1/2	1,707.72	12 1/2	1,458.55	12 1/2	1,209.38	12 1/2	960.21	12 1/2	711.13	12 1/2	462.32	12 1/2	213.16	12 1/2	0	12 1/2	0	0	0	0
13	1,702.53	13	1,453.36	13	1,204.19	13	955.02	13	705.95	13	457.13	13	207.97	13	0	13	0	0	0	0
13 1/4	1,697.34	13 1/4	1,448.17	13 1/4	1,199.00	13 1/4	949.83	13 1/4	700.77	13 1/4	451.94	13 1/4	202.78	13 1/4	0	13 1/4	0	0	0	0
13 1/2	1,692.15	13 1/2	1,442.98	13 1/2	1,193.81	13 1/2	944.64	13 1/2	695.59	13 1/2	446.75	13 1/2	197.59	13 1/2	0	13 1/2	0	0	0	0
14	1,686.96	14	1,437.78	14	1,188.61	14	939.44	14	690.41	14	441.55	14	192.40	14	0	14	0	0	0	0
14 1/4	1,681.77	14 1/4	1,432.59	14 1/4	1,183.42	14 1/4	934.25	14 1/4	685.23	14 1/4	436.36	14 1/4	187.21	14 1/4	0	14 1/4	0	0	0	0
14 1/2	1,676.58	14 1/2	1,427.40	14 1/2	1,178.23	14 1/2	929.06	14 1/2	680.05	14 1/2	431.17	14 1/2	182.02	14 1/2	0	14 1/2	0	0	0	0
15	1,671.39	15	1,422.21	15	1,173.04	15	923.87	15	674.87	15	425.98	15	176.83	15	0	15	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED 1100/1100 ITS
DECK MEASUREMENTS: 110/12004 SW
REPRINTED: 110/27004 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2004

PRECISION MEASUREMENT
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