

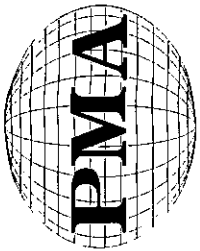


KIRBY 30406



Barge Strapping Tables





BARGE "KIRBY 30406"

ULLAGE TRIM TABLE

FORMERLY "HW 3027"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 225'-06"

July 29, 2003

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

<http://www.pmacorp.net>



BARGE "KIRBY 30406"

1 PORT ULLAGE TABLE

FORMERLY "HW 3027"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-04" OFF CENTERLINE AND 45'-11" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 30406"

1 PORT ULLAGE TABLE

FORMERLY "HW 3027"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	WT	IN	WT	IN	WT	IN	WT	IN	WT	IN	WT	IN	WT	IN	WT	IN	WT	IN	WT
0	2,697.92	0	2,334.38	0	1,970.85	0	1,607.32	0	1,243.79	0	880.25	0	518.49	0	160.49	0		0	
1/4	2,690.34	1/4	2,326.81	1/4	1,963.28	1/4	1,599.74	1/4	1,236.21	1/4	872.68	1/4	510.98	1/4	153.27	1/4		1/4	
1/2	2,682.77	1/2	2,319.24	1/2	1,955.70	1/2	1,592.17	1/2	1,228.54	1/2	865.11	1/2	503.47	1/2	146.06	1/2		1/2	
3/4	2,675.20	3/4	2,311.66	3/4	1,948.13	3/4	1,584.60	3/4	1,221.06	3/4	857.53	3/4	495.96	3/4	138.90	3/4		3/4	
1	2,667.62	1	2,304.09	1	1,940.56	1	1,577.02	1	1,213.49	1	849.96	1	488.45	1	131.74	1		1	
1/4	2,660.05	1/4	2,296.52	1/4	1,932.98	1/4	1,569.45	1/4	1,205.92	1/4	842.38	1/4	480.94	1/4	124.58	1/4		1/4	
1/2	2,652.47	1/2	2,288.94	1/2	1,925.41	1/2	1,561.88	1/2	1,198.34	1/2	834.81	1/2	473.43	1/2	117.42	1/2		1/2	
3/4	2,644.90	3/4	2,281.37	3/4	1,917.84	3/4	1,554.30	3/4	1,190.77	3/4	827.24	3/4	465.92	3/4	110.32	3/4		3/4	
1	2,637.33	1	2,273.79	1	1,910.26	1	1,546.73	1	1,183.20	1	819.66	1	458.41	1	103.21	1		1	
1/4	2,629.75	1/4	2,266.22	1/4	1,902.69	1/4	1,539.16	1/4	1,175.62	1/4	812.09	1/4	450.90	1/4	96.11	1/4		1/4	
1/2	2,622.18	1/2	2,258.65	1/2	1,895.11	1/2	1,531.58	1/2	1,168.05	1/2	804.52	1/2	443.39	1/2	89.00	1/2		1/2	
3/4	2,614.61	3/4	2,251.07	3/4	1,887.54	3/4	1,524.01	3/4	1,160.48	3/4	796.94	3/4	435.88	3/4	81.99	3/4		3/4	
1	2,607.03	1	2,243.50	1	1,879.97	1	1,516.43	1	1,152.90	1	789.37	1	428.37	1	74.97	1		1	
1/4	2,599.46	1/4	2,235.93	1/4	1,872.39	1/4	1,508.86	1/4	1,145.33	1/4	781.80	1/4	420.86	1/4	67.96	1/4		1/4	
1/2	2,591.89	1/2	2,228.35	1/2	1,864.82	1/2	1,501.27	1/2	1,137.72	1/2	774.22	1/2	413.36	1/2	60.95	1/2		1/2	
3/4	2,584.31	3/4	2,220.78	3/4	1,857.25	3/4	1,493.71	3/4	1,130.18	3/4	766.65	3/4	405.81	3/4	54.63	3/4		3/4	
1	2,576.74	1	2,213.21	1	1,849.67	1	1,486.14	1	1,122.61	1	759.07	1	398.27	1	48.30	1		1	
1/4	2,569.17	1/4	2,205.63	1/4	1,842.10	1/4	1,478.57	1/4	1,115.03	1/4	751.50	1/4	390.73	1/4	41.98	1/4		1/4	
1/2	2,561.59	1/2	2,198.06	1/2	1,834.53	1/2	1,470.99	1/2	1,107.46	1/2	743.93	1/2	383.19	1/2	35.66	1/2		1/2	
3/4	2,554.02	3/4	2,190.49	3/4	1,826.95	3/4	1,463.42	3/4	1,099.89	3/4	736.38	3/4	375.64	3/4	30.90	3/4		3/4	
1	2,546.44	1	2,182.91	1	1,819.38	1	1,455.85	1	1,092.31	1	728.84	1	368.08	1	26.15	1		1	
1/4	2,538.87	1/4	2,175.34	1/4	1,811.81	1/4	1,448.27	1/4	1,084.74	1/4	721.30	1/4	360.52	1/4	21.39	1/4		1/4	
1/2	2,531.30	1/2	2,167.76	1/2	1,804.23	1/2	1,440.70	1/2	1,077.17	1/2	713.75	1/2	352.97	1/2		1/2		1/2	
3/4	2,523.72	3/4	2,160.19	3/4	1,796.66	3/4	1,433.13	3/4	1,069.59	3/4	706.24	3/4	345.44	3/4		3/4		3/4	
1	2,516.15	1	2,152.62	1	1,789.08	1	1,425.55	1	1,062.02	1	698.73	1	337.90	1		1		1	
1/4	2,508.58	1/4	2,145.04	1/4	1,781.51	1/4	1,417.98	1/4	1,054.45	1/4	691.22	1/4	330.37	1/4		1/4		1/4	
1/2	2,501.00	1/2	2,137.47	1/2	1,773.94	1/2	1,410.40	1/2	1,046.87	1/2	683.71	1/2	322.84	1/2		1/2		1/2	
3/4	2,493.43	3/4	2,129.90	3/4	1,766.36	3/4	1,402.83	3/4	1,039.30	3/4	676.20	3/4	315.34	3/4		3/4		3/4	
1	2,485.86	1	2,122.32	1	1,758.79	1	1,395.26	1	1,031.72	1	668.69	1	307.85	1		1		1	
1/4	2,478.28	1/4	2,114.75	1/4	1,751.22	1/4	1,387.68	1/4	1,024.15	1/4	661.18	1/4	300.35	1/4		1/4		1/4	
1/2	2,470.71	1/2	2,107.18	1/2	1,743.64	1/2	1,380.11	1/2	1,016.58	1/2	653.67	1/2	292.85	1/2		1/2		1/2	
3/4	2,463.13	3/4	2,099.60	3/4	1,736.07	3/4	1,372.54	3/4	1,009.00	3/4	646.16	3/4	285.40	3/4		3/4		3/4	
1	2,455.56	1	2,092.03	1	1,728.50	1	1,364.96	1	1,001.43	1	638.65	1	277.95	1		1		1	
1/4	2,447.99	1/4	2,084.45	1/4	1,720.92	1/4	1,357.39	1/4	993.86	1/4	631.14	1/4	270.50	1/4		1/4		1/4	
1/2	2,440.41	1/2	2,076.88	1/2	1,713.35	1/2	1,349.82	1/2	986.28	1/2	623.63	1/2	263.05	1/2		1/2		1/2	
3/4	2,432.84	3/4	2,069.31	3/4	1,705.77	3/4	1,342.24	3/4	978.71	3/4	616.12	3/4	255.65	3/4		3/4		3/4	
1	2,425.27	1	2,061.73	1	1,698.20	1	1,334.67	1	971.14	1	608.61	1	248.25	1		1		1	
1/4	2,417.69	1/4	2,054.16	1/4	1,690.63	1/4	1,327.09	1/4	963.56	1/4	601.10	1/4	240.85	1/4		1/4		1/4	
1/2	2,410.12	1/2	2,046.59	1/2	1,683.05	1/2	1,319.52	1/2	955.99	1/2	593.59	1/2	233.45	1/2		1/2		1/2	
3/4	2,402.55	3/4	2,039.01	3/4	1,675.48	3/4	1,311.95	3/4	948.41	3/4	586.08	3/4	226.11	3/4		3/4		3/4	
1	2,394.97	1	2,031.44	1	1,667.91	1	1,304.37	1	940.84	1	578.57	1	218.77	1		1		1	
1/4	2,387.40	1/4	2,023.87	1/4	1,660.33	1/4	1,296.80	1/4	933.27	1/4	571.06	1/4	211.42	1/4		1/4		1/4	
1/2	2,379.83	1/2	2,016.29	1/2	1,652.76	1/2	1,289.23	1/2	925.69	1/2	563.55	1/2	204.08	1/2		1/2		1/2	
3/4	2,372.25	3/4	2,008.72	3/4	1,645.19	3/4	1,281.65	3/4	918.12	3/4	556.04	3/4	196.79	3/4		3/4		3/4	
1	2,364.68	1	2,001.15	1	1,637.61	1	1,274.08	1	910.55	1	548.53	1	189.50	1		1		1	
1/4	2,357.10	1/4	1,993.57	1/4	1,630.04	1/4	1,266.51	1/4	902.97	1/4	541.02	1/4	182.21	1/4		1/4		1/4	
1/2	2,349.53	1/2	1,986.00	1/2	1,622.47	1/2	1,258.93	1/2	895.40	1/2	533.51	1/2	174.92	1/2		1/2		1/2	
3/4	2,341.96	3/4	1,978.42	3/4	1,614.89	3/4	1,251.36	3/4	887.83	3/4	526.00	3/4	167.70	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/08/1993 SI
DECK MEASUREMENTS: 07/24/2003 SW
REPRINTED: 07/28/2003 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2003

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 30406"

1 STBD ULLAGE TABLE

FORMERLY "HW 3027"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR
0	2,709.22	0	2,345.18	0	1,981.15	0	1,617.12	0	1,253.09	0	889.06	0	526.73	0	167.94	0			
1/4	2,701.63	1/4	2,337.57	1/4	1,973.57	1/4	1,609.54	1/4	1,245.50	1/4	881.47	1/4	519.21	1/4	160.71	1/4			
1/2	2,694.05	1/2	2,330.02	1/2	1,965.98	1/2	1,601.95	1/2	1,237.92	1/2	873.89	1/2	511.69	1/2	153.49	1/2			
3/4	2,686.46	3/4	2,322.43	3/4	1,958.40	3/4	1,594.37	3/4	1,230.34	3/4	866.30	3/4	504.17	3/4	146.27	3/4			
1	2,678.88	1	2,314.85	1	1,950.82	1	1,586.78	1	1,222.75	1	858.72	1	496.65	1	139.10	1			
1 1/4	2,671.30	1 1/4	2,307.26	1 1/4	1,943.23	1 1/4	1,579.20	1 1/4	1,215.17	1 1/4	851.14	1 1/4	489.13	1 1/4	131.93	1 1/4			
1 1/2	2,663.71	1 1/2	2,299.68	1 1/2	1,935.65	1 1/2	1,571.62	1 1/2	1,207.58	1 1/2	843.55	1 1/2	481.61	1 1/2	124.76	1 1/2			
3/4	2,656.13	3/4	2,292.10	3/4	1,928.06	3/4	1,564.03	3/4	1,200.00	3/4	835.97	3/4	474.09	3/4	117.59	3/4			
2	2,648.54	2	2,284.51	2	1,920.48	2	1,556.45	2	1,192.42	2	828.38	2	466.57	2	110.47	2			
1 1/4	2,640.96	1 1/4	2,276.93	1 1/4	1,912.90	1 1/4	1,548.86	1 1/4	1,184.83	1 1/4	820.80	1 1/4	459.05	1 1/4	103.36	1 1/4			
1 1/2	2,633.38	1 1/2	2,269.34	1 1/2	1,905.31	1 1/2	1,541.28	1 1/2	1,177.25	1 1/2	813.22	1 1/2	451.53	1 1/2	96.24	1 1/2			
3/4	2,625.79	3/4	2,261.76	3/4	1,897.73	3/4	1,533.70	3/4	1,169.66	3/4	805.63	3/4	444.01	3/4	89.12	3/4			
3	2,618.21	3	2,254.18	3	1,890.14	3	1,526.11	3	1,162.08	3	798.05	3	436.49	3	82.10	3			
1 1/4	2,610.62	1 1/4	2,246.59	1 1/4	1,882.56	1 1/4	1,518.53	1 1/4	1,154.50	1 1/4	790.46	1 1/4	428.97	1 1/4	75.08	1 1/4			
1 1/2	2,603.04	1 1/2	2,239.01	1 1/2	1,874.98	1 1/2	1,510.94	1 1/2	1,146.91	1 1/2	782.88	1 1/2	421.45	1 1/2	68.06	1 1/2			
3/4	2,595.46	3/4	2,231.42	3/4	1,867.39	3/4	1,503.36	3/4	1,139.33	3/4	775.30	3/4	413.93	3/4	61.04	3/4			
4	2,587.87	4	2,223.84	4	1,859.81	4	1,495.78	4	1,131.74	4	767.71	4	406.38	4	54.70	4			
1 1/4	2,580.29	1 1/4	2,216.26	1 1/4	1,852.22	1 1/4	1,488.19	1 1/4	1,124.16	1 1/4	760.13	1 1/4	398.83	1 1/4	48.37	1 1/4			
1 1/2	2,572.70	1 1/2	2,208.67	1 1/2	1,844.64	1 1/2	1,480.61	1 1/2	1,116.58	1 1/2	752.54	1 1/2	391.28	1 1/2	42.04	1 1/2			
3/4	2,565.12	3/4	2,201.09	3/4	1,837.06	3/4	1,473.02	3/4	1,108.99	3/4	744.96	3/4	383.73	3/4	35.71	3/4			
5	2,557.54	5	2,193.50	5	1,829.47	5	1,465.44	5	1,101.41	5	737.41	5	376.16	5	30.95	5			
1 1/4	2,549.95	1 1/4	2,185.92	1 1/4	1,821.89	1 1/4	1,457.86	1 1/4	1,093.82	1 1/4	729.85	1 1/4	368.59	1 1/4	26.18	1 1/4			
1 1/2	2,542.37	1 1/2	2,178.34	1 1/2	1,814.30	1 1/2	1,450.27	1 1/2	1,086.24	1 1/2	722.29	1 1/2	361.03	1 1/2	21.42	1 1/2			
3/4	2,534.78	3/4	2,170.75	3/4	1,806.72	3/4	1,442.69	3/4	1,078.66	3/4	714.74	3/4	353.46	3/4		3/4			
6	2,527.20	6	2,163.17	6	1,799.14	6	1,435.10	6	1,071.07	6	707.22	6	345.92	6		6			
1 1/4	2,519.62	1 1/4	2,155.58	1 1/4	1,791.55	1 1/4	1,427.52	1 1/4	1,063.49	1 1/4	699.70	1 1/4	338.37	1 1/4		1 1/4			
1 1/2	2,512.03	1 1/2	2,148.00	1 1/2	1,783.97	1 1/2	1,419.94	1 1/2	1,055.90	1 1/2	692.18	1 1/2	330.83	1 1/2		1 1/2			
3/4	2,504.45	3/4	2,140.42	3/4	1,776.38	3/4	1,412.35	3/4	1,048.32	3/4	684.66	3/4	323.29	3/4		3/4			
7	2,496.86	7	2,132.83	7	1,768.80	7	1,404.77	7	1,040.74	7	677.14	7	315.78	7		7			
1 1/4	2,489.28	1 1/4	2,125.25	1 1/4	1,761.22	1 1/4	1,397.18	1 1/4	1,033.15	1 1/4	669.62	1 1/4	308.27	1 1/4		1 1/4			
1 1/2	2,481.70	1 1/2	2,117.66	1 1/2	1,753.63	1 1/2	1,389.60	1 1/2	1,025.57	1 1/2	662.10	1 1/2	300.77	1 1/2		1 1/2			
3/4	2,474.11	3/4	2,110.08	3/4	1,746.05	3/4	1,382.02	3/4	1,017.98	3/4	654.58	3/4	293.26	3/4		3/4			
8	2,466.53	8	2,102.50	8	1,738.46	8	1,374.43	8	1,010.40	8	647.06	8	285.80	8		8			
1 1/4	2,458.94	1 1/4	2,094.91	1 1/4	1,730.88	1 1/4	1,366.85	1 1/4	1,002.82	1 1/4	639.54	1 1/4	278.34	1 1/4		1 1/4			
1 1/2	2,451.36	1 1/2	2,087.33	1 1/2	1,723.30	1 1/2	1,359.26	1 1/2	995.23	1 1/2	632.02	1 1/2	270.87	1 1/2		1 1/2			
3/4	2,443.78	3/4	2,079.74	3/4	1,715.71	3/4	1,351.68	3/4	987.65	3/4	624.50	3/4	263.41	3/4		3/4			
9	2,436.19	9	2,072.16	9	1,708.13	9	1,344.10	9	980.06	9	616.98	9	256.00	9		9			
1 1/4	2,428.61	1 1/4	2,064.58	1 1/4	1,700.54	1 1/4	1,336.51	1 1/4	972.48	1 1/4	609.46	1 1/4	248.60	1 1/4		1 1/4			
1 1/2	2,421.02	1 1/2	2,056.99	1 1/2	1,692.96	1 1/2	1,328.93	1 1/2	964.90	1 1/2	601.94	1 1/2	241.19	1 1/2		1 1/2			
3/4	2,413.44	3/4	2,049.41	3/4	1,685.38	3/4	1,321.34	3/4	957.31	3/4	594.42	3/4	233.78	3/4		3/4			
10	2,405.86	10	2,041.82	10	1,677.79	10	1,313.76	10	949.73	10	586.90	10	226.43	10		10			
1 1/4	2,398.27	1 1/4	2,034.24	1 1/4	1,670.21	1 1/4	1,306.18	1 1/4	942.14	1 1/4	579.37	1 1/4	219.07	1 1/4		1 1/4			
1 1/2	2,390.69	1 1/2	2,026.66	1 1/2	1,662.62	1 1/2	1,298.59	1 1/2	934.56	1 1/2	571.85	1 1/2	211.72	1 1/2		1 1/2			
3/4	2,383.10	3/4	2,019.07	3/4	1,655.04	3/4	1,291.01	3/4	926.98	3/4	564.33	3/4	204.36	3/4		3/4			
11	2,375.52	11	2,011.49	11	1,647.46	11	1,283.42	11	919.39	11	556.81	11	197.06	11		11			
1 1/4	2,367.94	1 1/4	2,003.90	1 1/4	1,639.87	1 1/4	1,275.84	1 1/4	911.81	1 1/4	549.29	1 1/4	189.76	1 1/4		1 1/4			
1 1/2	2,360.35	1 1/2	1,996.32	1 1/2	1,632.29	1 1/2	1,268.26	1 1/2	904.22	1 1/2	541.77	1 1/2	182.46	1 1/2		1 1/2			
3/4	2,352.77	3/4	1,988.74	3/4	1,624.70	3/4	1,260.67	3/4	896.64	3/4	534.25	3/4	175.16	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/08/1993 SI
DECK MEASUREMENTS: 07/24/2003 SW
REPRINTED: 07/29/2003 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 07/2003

PRECISION MEASUREMENT & ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77586
http://www.pmacorp.net



BARGE "KIRBY 30406"

2 PORT ULLAGE TABLE

GAUGE HEIGHT 17'-05"

FORMERLY "HW 3027"

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

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR
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
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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

PRECISION MEASUREMENT & ANALYSIS, INC.

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

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 13'-00" OFF CENTERLINE AND 48"-04" FORWARD OF AFT BULKHEAD.

FORMERLY "HW 3027"

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

SHEET NO. 5 OF 12



BARGE "KIRBY 30406"

2 PORT ULLAGE TABLE

FORMERLY "HW 3027" GAUGE HEIGHT 17'-05" 18 FT. 19 FT.

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	2,307.55	0	1,946.80	0	1,586.04	0	1,225.28	0	864.52	0	513.29	0	157.79	0	0	0	0	0	0	0
1/4	2,660.31	2,300.04	1/4	1,939.28	1/4	1,578.52	1/4	1,217.76	1/4	857.00	1/4	506.09	1/4	150.30	1/4	150.30	1/4	150.30	1/4	150.30	1/4
1/2	2,653.28	2,292.52	1/2	1,931.76	1/2	1,571.01	1/2	1,210.25	1/2	849.49	1/2	498.88	1/2	142.80	1/2	142.80	1/2	142.80	1/2	142.80	1/2
3/4	2,645.77	2,285.01	3/4	1,924.25	3/4	1,563.49	3/4	1,202.73	3/4	841.97	3/4	491.68	3/4	135.31	3/4	135.31	3/4	135.31	3/4	135.31	3/4
1	2,638.25	2,277.49	1	1,916.73	1	1,555.97	1	1,195.22	1	834.46	1	484.47	1	127.82	1	127.82	1	127.82	1	127.82	1
1 1/4	2,630.73	2,269.98	1 1/4	1,909.22	1 1/4	1,548.46	1 1/4	1,187.70	1 1/4	826.94	1 1/4	477.27	1 1/4	120.33	1 1/4	120.33	1 1/4	120.33	1 1/4	120.33	1 1/4
1 1/2	2,623.22	2,262.46	1 1/2	1,901.70	1 1/2	1,540.94	1 1/2	1,180.18	1 1/2	819.43	1 1/2	470.06	1 1/2	112.83	1 1/2	112.83	1 1/2	112.83	1 1/2	112.83	1 1/2
3/4	2,615.70	2,254.94	3/4	1,894.19	3/4	1,533.43	3/4	1,172.67	3/4	811.91	3/4	462.86	3/4	105.34	3/4	105.34	3/4	105.34	3/4	105.34	3/4
2	2,608.19	2,247.43	2	1,886.67	2	1,525.91	2	1,165.15	2	804.39	2	455.65	2	97.85	2	97.85	2	97.85	2	97.85	2
2 1/4	2,600.67	2,239.91	2 1/4	1,879.15	2 1/4	1,518.40	2 1/4	1,157.64	2 1/4	796.88	2 1/4	448.45	2 1/4	90.36	2 1/4	90.36	2 1/4	90.36	2 1/4	90.36	2 1/4
1 1/2	2,593.15	2,232.40	1 1/2	1,871.64	1 1/2	1,510.88	1 1/2	1,150.12	1 1/2	789.36	1 1/2	441.24	1 1/2	82.86	1 1/2	82.86	1 1/2	82.86	1 1/2	82.86	1 1/2
3	2,585.64	2,224.88	3	1,864.12	3	1,503.36	3	1,142.61	3	781.85	3	434.04	3	75.37	3	75.37	3	75.37	3	75.37	3
3 1/4	2,578.12	2,217.36	3 1/4	1,856.61	3 1/4	1,495.85	3 1/4	1,135.09	3 1/4	774.33	3 1/4	426.83	3 1/4	67.88	3 1/4	67.88	3 1/4	67.88	3 1/4	67.88	3 1/4
1 1/4	2,570.61	2,209.85	1 1/4	1,849.09	1 1/4	1,488.33	1 1/4	1,127.57	1 1/4	766.82	1 1/4	419.63	1 1/4	60.39	1 1/4	60.39	1 1/4	60.39	1 1/4	60.39	1 1/4
1 1/2	2,563.09	2,202.33	1 1/2	1,841.57	1 1/2	1,480.82	1 1/2	1,120.06	1 1/2	759.30	1 1/2	412.39	1 1/2	53.81	1 1/2	53.81	1 1/2	53.81	1 1/2	53.81	1 1/2
3 1/4	2,555.58	2,194.82	3 1/4	1,834.06	3 1/4	1,473.30	3 1/4	1,112.54	3 1/4	751.78	3 1/4	405.16	3 1/4	47.23	3 1/4	47.23	3 1/4	47.23	3 1/4	47.23	3 1/4
4	2,548.06	2,187.30	4	1,826.54	4	1,465.78	4	1,105.03	4	744.27	4	397.93	4	40.66	4	40.66	4	40.66	4	40.66	4
1 1/4	2,540.54	2,179.79	1 1/4	1,819.03	1 1/4	1,458.27	1 1/4	1,097.51	1 1/4	736.75	1 1/4	390.69	1 1/4	34.08	1 1/4	34.08	1 1/4	34.08	1 1/4	34.08	1 1/4
1 1/2	2,533.03	2,172.27	1 1/2	1,811.51	1 1/2	1,450.75	1 1/2	1,089.99	1 1/2	729.22	1 1/2	383.18	1 1/2	29.39	1 1/2	29.39	1 1/2	29.39	1 1/2	29.39	1 1/2
3 1/4	2,525.51	2,164.75	3 1/4	1,804.00	3 1/4	1,443.24	3 1/4	1,082.48	3 1/4	722.29	3 1/4	375.66	3 1/4	24.69	3 1/4	24.69	3 1/4	24.69	3 1/4	24.69	3 1/4
5	2,518.00	2,157.24	5	1,796.48	5	1,435.72	5	1,074.96	5	715.05	5	368.15	5	19.99	5	19.99	5	19.99	5	19.99	5
1 1/4	2,510.48	2,149.72	1 1/4	1,788.96	1 1/4	1,428.21	1 1/4	1,067.45	1 1/4	707.82	1 1/4	360.63	1 1/4	14.14	1 1/4	14.14	1 1/4	14.14	1 1/4	14.14	1 1/4
1 1/2	2,502.96	2,142.21	1 1/2	1,781.45	1 1/2	1,420.69	1 1/2	1,059.93	1 1/2	700.62	1 1/2	353.12	1 1/2	12.12	1 1/2	12.12	1 1/2	12.12	1 1/2	12.12	1 1/2
3 1/4	2,495.45	2,134.69	3 1/4	1,773.93	3 1/4	1,413.17	3 1/4	1,052.42	3 1/4	693.41	3 1/4	345.60	3 1/4	10.10	3 1/4	10.10	3 1/4	10.10	3 1/4	10.10	3 1/4
6	2,487.93	2,127.17	6	1,766.42	6	1,405.66	6	1,044.90	6	686.21	6	338.09	6	8.08	6	8.08	6	8.08	6	8.08	6
1 1/4	2,480.42	2,119.66	1 1/4	1,758.90	1 1/4	1,398.14	1 1/4	1,037.38	1 1/4	679.00	1 1/4	330.57	1 1/4	6.06	1 1/4	6.06	1 1/4	6.06	1 1/4	6.06	1 1/4
1 1/2	2,472.90	2,112.14	1 1/2	1,751.38	1 1/2	1,390.63	1 1/2	1,029.87	1 1/2	671.80	1 1/2	323.06	1 1/2	4.04	1 1/2	4.04	1 1/2	4.04	1 1/2	4.04	1 1/2
3 1/4	2,465.39	2,104.63	3 1/4	1,743.87	3 1/4	1,383.11	3 1/4	1,022.35	3 1/4	664.59	3 1/4	315.54	3 1/4	2.02	3 1/4	2.02	3 1/4	2.02	3 1/4	2.02	3 1/4
7	2,457.87	2,097.11	7	1,736.35	7	1,375.59	7	1,014.84	7	657.39	7	308.03	7	0.00	7	0.00	7	0.00	7	0.00	7
1 1/4	2,450.35	2,089.60	1 1/4	1,728.84	1 1/4	1,368.08	1 1/4	1,007.32	1 1/4	650.18	1 1/4	300.51	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4
1 1/2	2,442.84	2,082.08	1 1/2	1,721.32	1 1/2	1,360.56	1 1/2	999.80	1 1/2	642.98	1 1/2	293.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2
3 1/4	2,435.32	2,074.56	3 1/4	1,713.81	3 1/4	1,353.05	3 1/4	992.29	3 1/4	635.77	3 1/4	285.48	3 1/4	0.00	3 1/4	0.00	3 1/4	0.00	3 1/4	0.00	3 1/4
8	2,427.81	2,067.05	8	1,706.29	8	1,345.53	8	984.77	8	628.57	8	277.96	8	0.00	8	0.00	8	0.00	8	0.00	8
1 1/4	2,420.29	2,059.53	1 1/4	1,698.77	1 1/4	1,338.02	1 1/4	977.26	1 1/4	621.36	1 1/4	270.45	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4
1 1/2	2,412.78	2,052.02	1 1/2	1,691.26	1 1/2	1,330.50	1 1/2	969.74	1 1/2	614.16	1 1/2	262.93	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2
3 1/4	2,405.26	2,044.50	3 1/4	1,683.74	3 1/4	1,322.98	3 1/4	962.23	3 1/4	606.95	3 1/4	255.42	3 1/4	0.00	3 1/4	0.00	3 1/4	0.00	3 1/4	0.00	3 1/4
9	2,397.74	2,036.99	9	1,676.23	9	1,315.47	9	954.71	9	599.75	9	247.90	9	0.00	9	0.00	9	0.00	9	0.00	9
1 1/4	2,390.23	2,029.47	1 1/4	1,668.71	1 1/4	1,307.95	1 1/4	947.19	1 1/4	592.54	1 1/4	240.39	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4
1 1/2	2,382.71	2,021.95	1 1/2	1,661.20	1 1/2	1,300.44	1 1/2	939.68	1 1/2	585.34	1 1/2	232.87	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2
3 1/4	2,375.20	2,014.44	3 1/4	1,653.68	3 1/4	1,292.92	3 1/4	932.16	3 1/4	578.13	3 1/4	225.36	3 1/4	0.00	3 1/4	0.00	3 1/4	0.00	3 1/4	0.00	3 1/4
10	2,367.68	2,006.92	10	1,646.16	10	1,285.41	10	924.65	10	570.93	10	217.84	10	0.00	10	0.00	10	0.00	10	0.00	10
1 1/4	2,360.16	1,999.41	1 1/4	1,638.65	1 1/4	1,277.89	1 1/4	917.13	1 1/4	563.72	1 1/4	210.33	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4
1 1/2	2,352.65	1,991.89	1 1/2	1,631.13	1 1/2	1,270.37	1 1/2	909.62	1 1/2	556.52	1 1/2	202.81	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2
3 1/4	2,345.13	1,984.37	3 1/4	1,623.62	3 1/4	1,262.86	3 1/4	902.10	3 1/4	549.32	3 1/4	195.30	3 1/4	0.00	3 1/4	0.00	3 1/4	0.00	3 1/4	0.00	3 1/4
11	2,337.62	1,976.86	11	1,616.10	11	1,255.34	11	894.58	11	542.11	11	187.78	11	0.00	11	0.00	11	0.00	11	0.00	11
1 1/4	2,330.10	1,969.34	1 1/4	1,608.58	1 1/4	1,247.83	1 1/4	887.07	1 1/4	534.91	1 1/4	180.27	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4
1 1/2	2,322.59	1,961.83	1 1/2	1,601.07	1 1/2	1,240.31	1 1/2	879.55	1 1/2	527.70	1 1/2	172.77	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2
3 1/4	2,315.07	1,954.31	3 1/4	1,593.55	3 1/4	1,232.79	3 1/4	872.04	3 1/4	520.50	3 1/4	165.28	3 1/4	0.00	3 1/4	0.00	3 1/4	0.00	3 1/4	0.00	3 1/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1108/1993 SI
DECK MEASUREMENTS: 07/24/2003 SWH
REPRINTED: 07/29/2003 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2003

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



BARGE "KIRBY 30406"

2 STBD

ULLAGE TABLE

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

FORMERLY "HW 3027"

GAUGE HEIGHT 17'-05"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	5,178.74	0	4,855.72	0	4,494.59	0	4,133.22	0	3,771.84
1/4	1/4	5,175.23	1/4	4,848.23	1/4	4,487.06	1/4	4,125.69	1/4	3,764.32
1/2	1/2	5,171.73	1/2	4,840.74	1/2	4,479.53	1/2	4,118.16	1/2	3,756.79
3/4	3/4	5,168.23	3/4	4,833.25	3/4	4,472.00	3/4	4,110.63	3/4	3,749.26
1	1	5,164.73	1	4,825.76	1	4,464.48	1	4,103.10	1	3,741.73
1/4	1/4	5,160.11	1/4	4,818.28	1/4	4,456.95	1/4	4,095.57	1/4	3,734.20
1/2	1/2	5,155.49	1/2	4,810.79	1/2	4,449.42	1/2	4,088.05	1/2	3,726.67
3/4	3/4	5,150.87	3/4	4,803.30	3/4	4,441.89	3/4	4,080.52	3/4	3,719.14
2	2	5,146.26	2	4,795.81	2	4,434.36	2	4,072.99	2	3,711.62
1/4	1/4	5,140.52	1/4	4,788.32	1/4	4,426.83	1/4	4,065.46	1/4	3,704.09
1/2	1/2	5,134.71	1/2	4,780.79	1/2	4,419.30	1/2	4,057.93	1/2	3,696.56
3/4	3/4	5,128.89	3/4	4,773.26	3/4	4,411.78	3/4	4,050.40	3/4	3,689.03
3	3	5,123.08	3	4,765.72	3	4,404.25	3	4,042.87	3	3,681.50
1/4	1/4	5,116.15	1/4	4,758.19	1/4	4,396.72	1/4	4,035.35	1/4	3,673.97
1/2	1/2	5,109.22	1/2	4,750.66	1/2	4,389.19	1/2	4,027.82	1/2	3,666.44
3/4	3/4	5,102.28	3/4	4,743.13	3/4	4,381.66	3/4	4,020.29	3/4	3,658.92
4	4	5,095.35	4	4,735.60	4	4,374.13	4	4,012.76	4	3,651.39
1/4	1/4	5,087.86	1/4	4,728.06	1/4	4,366.60	1/4	4,005.23	1/4	3,643.86
1/2	1/2	5,080.38	1/2	4,720.53	1/2	4,359.08	1/2	3,997.70	1/2	3,636.33
3/4	3/4	5,072.89	3/4	4,713.00	3/4	4,351.55	3/4	3,990.17	3/4	3,628.80
5	5	5,065.40	5	4,705.47	5	4,344.02	5	3,982.65	5	3,621.27
1/4	1/4	5,057.91	1/4	4,697.93	1/4	4,336.49	1/4	3,975.12	1/4	3,613.74
1/2	1/2	5,050.42	1/2	4,690.40	1/2	4,328.96	1/2	3,967.59	1/2	3,606.22
3/4	3/4	5,042.93	3/4	4,682.87	3/4	4,321.43	3/4	3,960.06	3/4	3,598.69
6	6	5,035.44	6	4,675.34	6	4,313.90	6	3,952.53	6	3,591.16
1/4	1/4	5,027.96	1/4	4,667.81	1/4	4,306.38	1/4	3,945.00	1/4	3,583.63
1/2	1/2	5,020.47	1/2	4,660.27	1/2	4,298.85	1/2	3,937.47	1/2	3,576.10
3/4	3/4	5,012.98	3/4	4,652.74	3/4	4,291.32	3/4	3,929.95	3/4	3,568.57
7	7	5,005.49	7	4,645.21	7	4,283.79	7	3,922.42	7	3,561.04
1/4	1/4	4,998.00	1/4	4,637.68	1/4	4,276.26	1/4	3,914.89	1/4	3,553.52
1/2	1/2	4,990.51	1/2	4,630.14	1/2	4,268.73	1/2	3,907.36	1/2	3,545.99
3/4	3/4	4,983.02	3/4	4,622.61	3/4	4,261.20	3/4	3,899.83	3/4	3,538.46
8	8	4,975.54	8	4,615.08	8	4,253.68	8	3,892.30	8	3,530.93
1/4	1/4	4,968.05	1/4	4,607.55	1/4	4,246.15	1/4	3,884.77	1/4	3,523.40
1/2	1/2	4,960.56	1/2	4,600.02	1/2	4,238.62	1/2	3,877.25	1/2	3,515.87
3/4	3/4	4,953.07	3/4	4,592.48	3/4	4,231.09	3/4	3,869.72	3/4	3,508.34
9	9	4,945.58	9	4,584.95	9	4,223.56	9	3,862.19	9	3,500.82
1/4	1/4	4,938.09	1/4	4,577.42	1/4	4,216.03	1/4	3,854.66	1/4	3,493.29
1/2	1/2	4,930.60	1/2	4,569.89	1/2	4,208.50	1/2	3,847.13	1/2	3,485.76
3/4	3/4	4,923.12	3/4	4,562.35	3/4	4,200.97	3/4	3,839.60	3/4	3,478.23
10	10	4,915.63	10	4,554.82	10	4,193.45	10	3,832.07	10	3,470.70
1/4	1/4	4,908.14	1/4	4,547.29	1/4	4,185.92	1/4	3,824.54	1/4	3,463.17
1/2	1/2	4,900.65	1/2	4,539.76	1/2	4,178.39	1/2	3,817.02	1/2	3,455.64
3/4	3/4	4,893.16	3/4	4,532.23	3/4	4,170.86	3/4	3,809.49	3/4	3,448.11
11	11	4,885.67	11	4,524.70	11	4,163.33	11	3,801.96	11	3,440.59
1/4	1/4	4,878.18	1/4	4,517.18	1/4	4,155.80	1/4	3,794.43	1/4	3,433.06
1/2	1/2	4,870.70	1/2	4,509.65	1/2	4,148.27	1/2	3,786.90	1/2	3,425.53
3/4	3/4	4,863.21	3/4	4,502.12	3/4	4,140.75	3/4	3,779.37	3/4	3,418.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 13'-00" OFF CENTERLINE AND 46'-10" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 30406"

2 STBD

ULLAGE TABLE

FORMERLY "HW 3027"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR
0	2,687.70	0	2,326.16	0	1,964.61	0	1,603.06	0	1,241.52	0	879.97	0	519.22	0	158.13	0		0	
1/4	2,680.17	1/4	2,318.62	1/4	1,957.08	1/4	1,595.53	1/4	1,233.99	1/4	872.44	1/4	511.71	1/4	150.62	1/4		1/4	
1/2	2,672.64	1/2	2,311.09	1/2	1,949.55	1/2	1,588.00	1/2	1,226.45	1/2	864.91	1/2	504.21	1/2	143.11	1/2		1/2	
3/4	2,665.10	3/4	2,303.56	3/4	1,942.01	3/4	1,580.47	3/4	1,218.92	3/4	857.38	3/4	496.71	3/4	135.61	3/4		3/4	
1	2,657.57	1	2,296.03	1	1,934.48	1	1,572.94	1	1,211.39	1	849.84	1	489.20	1	128.10	1		1	
1/4	2,650.04	1/4	2,288.49	1/4	1,926.95	1/4	1,565.40	1/4	1,203.86	1/4	842.31	1/4	481.70	1/4	120.59	1/4		1/4	
1/2	2,642.51	1/2	2,280.96	1/2	1,919.42	1/2	1,557.87	1/2	1,196.33	1/2	834.78	1/2	474.20	1/2	113.08	1/2		1/2	
3/4	2,634.98	3/4	2,273.43	3/4	1,911.88	3/4	1,550.34	3/4	1,188.79	3/4	827.25	3/4	466.69	3/4	105.57	3/4		3/4	
2	2,627.44	2	2,265.90	2	1,904.35	2	1,542.81	2	1,181.26	2	819.72	2	459.19	2	98.06	2		2	
1/4	2,619.91	1/4	2,258.37	1/4	1,896.82	1/4	1,535.27	1/4	1,173.73	1/4	812.18	1/4	451.69	1/4	90.55	1/4		1/4	
1/2	2,612.38	1/2	2,250.83	1/2	1,889.29	1/2	1,527.74	1/2	1,166.20	1/2	804.65	1/2	444.19	1/2	83.04	1/2		1/2	
3/4	2,604.85	3/4	2,243.30	3/4	1,881.76	3/4	1,520.21	3/4	1,158.66	3/4	797.12	3/4	436.68	3/4	75.53	3/4		3/4	
3	2,597.31	3	2,235.77	3	1,874.22	3	1,512.68	3	1,151.13	3	789.59	3	429.18	3	68.02	3		3	
1/4	2,589.78	1/4	2,228.24	1/4	1,866.69	1/4	1,505.15	1/4	1,143.60	1/4	782.05	1/4	421.68	1/4	60.52	1/4		1/4	
1/2	2,582.25	1/2	2,220.70	1/2	1,859.16	1/2	1,497.61	1/2	1,136.07	1/2	774.52	1/2	414.15	1/2	53.03	1/2		1/2	
3/4	2,574.72	3/4	2,213.17	3/4	1,851.63	3/4	1,490.08	3/4	1,128.54	3/4	766.99	3/4	406.61	3/4	47.34	3/4		3/4	
4	2,567.19	4	2,205.64	4	1,844.09	4	1,482.55	4	1,121.00	4	759.46	4	399.08	4	40.75	4		4	
1/4	2,559.65	1/4	2,198.11	1/4	1,836.56	1/4	1,475.02	1/4	1,113.47	1/4	751.93	1/4	391.55	1/4	34.16	1/4		1/4	
1/2	2,552.12	1/2	2,190.58	1/2	1,829.03	1/2	1,467.48	1/2	1,105.94	1/2	744.39	1/2	384.02	1/2	29.45	1/2		1/2	
3/4	2,544.59	3/4	2,183.04	3/4	1,821.50	3/4	1,459.95	3/4	1,098.41	3/4	736.86	3/4	376.49	3/4	24.74	3/4		3/4	
5	2,537.06	5	2,175.51	5	1,813.97	5	1,452.42	5	1,090.87	5	729.30	5	368.95	5	20.04	5		5	
1/4	2,529.52	1/4	2,168.03	1/4	1,806.44	1/4	1,444.89	1/4	1,083.34	1/4	721.83	1/4	361.42	1/4	14.34	1/4		1/4	
1/2	2,521.99	1/2	2,160.45	1/2	1,798.90	1/2	1,437.36	1/2	1,075.81	1/2	714.29	1/2	353.89	1/2	8.64	1/2		1/2	
3/4	2,514.46	3/4	2,152.91	3/4	1,791.37	3/4	1,429.82	3/4	1,068.28	3/4	706.79	3/4	346.36	3/4	2.94	3/4		3/4	
6	2,506.93	6	2,145.38	6	1,783.84	6	1,422.29	6	1,060.75	6	699.29	6	338.83	6		6		6	
1/4	2,499.40	1/4	2,137.85	1/4	1,776.30	1/4	1,414.76	1/4	1,053.21	1/4	691.78	1/4	331.30	1/4		1/4		1/4	
1/2	2,491.86	1/2	2,130.32	1/2	1,768.77	1/2	1,407.23	1/2	1,045.68	1/2	684.28	1/2	323.76	1/2		1/2		1/2	
3/4	2,484.33	3/4	2,122.79	3/4	1,761.24	3/4	1,399.69	3/4	1,038.15	3/4	676.78	3/4	316.23	3/4		3/4		3/4	
7	2,476.80	7	2,115.25	7	1,753.71	7	1,392.16	7	1,030.62	7	669.28	7	308.70	7		7		7	
1/4	2,469.27	1/4	2,107.72	1/4	1,746.18	1/4	1,384.63	1/4	1,023.08	1/4	661.77	1/4	301.17	1/4		1/4		1/4	
1/2	2,461.74	1/2	2,100.19	1/2	1,738.64	1/2	1,377.10	1/2	1,015.55	1/2	654.27	1/2	293.64	1/2		1/2		1/2	
3/4	2,454.20	3/4	2,092.66	3/4	1,731.11	3/4	1,369.57	3/4	1,008.02	3/4	646.77	3/4	286.10	3/4		3/4		3/4	
8	2,446.67	8	2,085.13	8	1,723.58	8	1,362.03	8	1,000.49	8	639.26	8	278.57	8		8		8	
1/4	2,439.14	1/4	2,077.59	1/4	1,716.05	1/4	1,354.50	1/4	992.96	1/4	631.76	1/4	271.04	1/4		1/4		1/4	
1/2	2,431.61	1/2	2,070.06	1/2	1,708.52	1/2	1,346.97	1/2	985.42	1/2	624.26	1/2	263.51	1/2		1/2		1/2	
3/4	2,424.07	3/4	2,062.53	3/4	1,700.98	3/4	1,339.44	3/4	977.89	3/4	616.75	3/4	255.98	3/4		3/4		3/4	
9	2,416.54	9	2,055.00	9	1,693.45	9	1,331.91	9	970.36	9	609.25	9	248.45	9		9		9	
1/4	2,409.01	1/4	2,047.46	1/4	1,685.92	1/4	1,324.37	1/4	962.83	1/4	601.75	1/4	240.91	1/4		1/4		1/4	
1/2	2,401.48	1/2	2,039.93	1/2	1,678.39	1/2	1,316.84	1/2	955.30	1/2	594.25	1/2	233.38	1/2		1/2		1/2	
3/4	2,393.95	3/4	2,032.40	3/4	1,670.85	3/4	1,309.31	3/4	947.76	3/4	586.74	3/4	225.85	3/4		3/4		3/4	
10	2,386.41	10	2,024.87	10	1,663.32	10	1,301.78	10	940.23	10	579.24	10	218.32	10		10		10	
1/4	2,378.88	1/4	2,017.34	1/4	1,655.79	1/4	1,294.24	1/4	932.70	1/4	571.74	1/4	210.79	1/4		1/4		1/4	
1/2	2,371.35	1/2	2,009.80	1/2	1,648.26	1/2	1,286.71	1/2	925.17	1/2	564.23	1/2	203.25	1/2		1/2		1/2	
3/4	2,363.82	3/4	2,002.27	3/4	1,640.73	3/4	1,279.18	3/4	917.63	3/4	556.73	3/4	195.72	3/4		3/4		3/4	
11	2,356.28	11	1,994.74	11	1,633.19	11	1,271.65	11	910.10	11	549.23	11	188.19	11		11		11	
1/4	2,348.75	1/4	1,987.21	1/4	1,625.66	1/4	1,264.12	1/4	902.57	1/4	541.72	1/4	180.66	1/4		1/4		1/4	
1/2	2,341.22	1/2	1,979.67	1/2	1,618.13	1/2	1,256.58	1/2	895.04	1/2	534.22	1/2	173.15	1/2		1/2		1/2	
3/4	2,333.69	3/4	1,972.14	3/4	1,610.60	3/4	1,249.05	3/4	887.51	3/4	526.72	3/4	165.64	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/08/1993 SI
DECK MEASUREMENTS: 07/24/2003 SW
REPRINTED: 07/29/2003 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2003

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



BARGE "KIRBY 30406"

3 PORT ULLAGE TABLE

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

FORMERLY "HW 3027"

GAUGE HEIGHT 17'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR
0	2,742.80	0	2,370.04	0	1,997.28	0	1,624.53	0	1,251.77	0	879.01	0	516.75	0	148.06	0		0	
1/4	2,735.03	1/4	2,362.28	1/4	1,989.52	1/4	1,616.76	1/4	1,244.00	1/4	871.24	1/4	509.31	1/4	140.29	1/4		1/4	
1/2	2,727.27	1/2	2,354.51	1/2	1,981.75	1/2	1,608.99	1/2	1,236.24	1/2	863.48	1/2	501.87	1/2	132.53	1/2		1/2	
3/4	2,719.50	3/4	2,346.74	3/4	1,973.99	3/4	1,601.23	3/4	1,228.47	3/4	855.71	3/4	494.42	3/4	124.76	3/4		3/4	
1	2,711.74	1	2,338.98	1	1,966.22	1	1,593.46	1	1,220.70	1	847.95	1	486.98	1	116.98	1		1	
1 1/4	2,703.97	1 1/4	2,331.21	1 1/4	1,958.45	1 1/4	1,585.70	1 1/4	1,212.94	1 1/4	840.18	1 1/4	479.54	1 1/4	109.21	1 1/4		1 1/4	
1 1/2	2,696.21	1 1/2	2,323.45	1 1/2	1,950.69	1 1/2	1,577.93	1 1/2	1,205.17	1 1/2	832.41	1 1/2	472.09	1 1/2	101.43	1 1/2		1 1/2	
3/4	2,688.44	3/4	2,315.68	3/4	1,942.92	3/4	1,570.16	3/4	1,197.41	3/4	824.65	3/4	464.65	3/4	93.65	3/4		3/4	
2	2,680.67	2	2,307.92	2	1,935.16	2	1,562.40	2	1,189.64	2	816.88	2	457.21	2	85.87	2		2	
2 1/4	2,672.91	2 1/4	2,300.15	2 1/4	1,927.39	2 1/4	1,554.63	2 1/4	1,181.87	2 1/4	809.12	2 1/4	449.76	2 1/4	78.10	2 1/4		2 1/4	
2 1/2	2,665.14	2 1/2	2,292.38	2 1/2	1,919.63	2 1/2	1,546.87	2 1/2	1,174.11	2 1/2	801.35	2 1/2	442.32	2 1/2	70.32	2 1/2		2 1/2	
3/4	2,657.38	3/4	2,284.62	3/4	1,911.86	3/4	1,539.10	3/4	1,166.34	3/4	793.58	3/4	434.88	3/4	62.54	3/4		3/4	
3	2,649.61	3	2,276.85	3	1,904.09	3	1,531.34	3	1,158.58	3	785.82	3	427.40	3	55.72	3		3	
3 1/4	2,641.85	3 1/4	2,269.09	3 1/4	1,896.33	3 1/4	1,523.57	3 1/4	1,150.81	3 1/4	778.05	3 1/4	419.92	3 1/4	48.90	3 1/4		3 1/4	
3 1/2	2,634.08	3 1/2	2,261.32	3 1/2	1,888.56	3 1/2	1,515.80	3 1/2	1,143.05	3 1/2	770.29	3 1/2	412.45	3 1/2	42.07	3 1/2		3 1/2	
3/4	2,626.31	3/4	2,253.56	3/4	1,880.80	3/4	1,508.04	3/4	1,135.28	3/4	762.52	3/4	404.97	3/4	35.25	3/4		3/4	
4	2,618.55	4	2,245.79	4	1,873.03	4	1,500.27	4	1,127.51	4	755.04	4	397.18	4	30.38	4		4	
4 1/4	2,610.78	4 1/4	2,238.02	4 1/4	1,865.27	4 1/4	1,492.51	4 1/4	1,119.75	4 1/4	747.57	4 1/4	389.39	4 1/4	25.51	4 1/4		4 1/4	
4 1/2	2,603.02	4 1/2	2,230.26	4 1/2	1,857.50	4 1/2	1,484.74	4 1/2	1,111.98	4 1/2	740.09	4 1/2	381.60	4 1/2	20.64	4 1/2		4 1/2	
3/4	2,595.25	3/4	2,222.49	3/4	1,849.73	3/4	1,476.98	3/4	1,104.22	3/4	732.61	3/4	373.81	3/4		3/4		3/4	
5	2,587.48	5	2,214.73	5	1,841.97	5	1,469.21	5	1,096.45	5	725.17	5	366.03	5		5		5	
5 1/4	2,579.72	5 1/4	2,206.96	5 1/4	1,834.20	5 1/4	1,461.44	5 1/4	1,088.69	5 1/4	717.73	5 1/4	358.24	5 1/4		5 1/4		5 1/4	
5 1/2	2,571.95	5 1/2	2,199.19	5 1/2	1,826.44	5 1/2	1,453.68	5 1/2	1,080.92	5 1/2	710.28	5 1/2	350.45	5 1/2		5 1/2		5 1/2	
3/4	2,564.19	3/4	2,191.43	3/4	1,818.67	3/4	1,445.91	3/4	1,073.15	3/4	702.84	3/4	342.66	3/4		3/4		3/4	
6	2,556.42	6	2,183.66	6	1,810.90	6	1,438.15	6	1,065.39	6	695.40	6	334.87	6		6		6	
6 1/4	2,548.66	6 1/4	2,175.90	6 1/4	1,803.14	6 1/4	1,430.38	6 1/4	1,057.62	6 1/4	687.95	6 1/4	327.08	6 1/4		6 1/4		6 1/4	
6 1/2	2,540.89	6 1/2	2,168.13	6 1/2	1,795.37	6 1/2	1,422.61	6 1/2	1,049.86	6 1/2	680.51	6 1/2	319.29	6 1/2		6 1/2		6 1/2	
3/4	2,533.12	3/4	2,160.37	3/4	1,787.61	3/4	1,414.85	3/4	1,042.09	3/4	673.07	3/4	311.51	3/4		3/4		3/4	
7	2,525.36	7	2,152.60	7	1,779.84	7	1,407.08	7	1,034.32	7	665.62	7	303.72	7		7		7	
7 1/4	2,517.59	7 1/4	2,144.83	7 1/4	1,772.08	7 1/4	1,399.32	7 1/4	1,026.56	7 1/4	658.18	7 1/4	295.93	7 1/4		7 1/4		7 1/4	
7 1/2	2,509.83	7 1/2	2,137.07	7 1/2	1,764.31	7 1/2	1,391.55	7 1/2	1,018.79	7 1/2	650.74	7 1/2	288.14	7 1/2		7 1/2		7 1/2	
3/4	2,502.06	3/4	2,129.30	3/4	1,756.54	3/4	1,383.79	3/4	1,011.03	3/4	643.29	3/4	280.35	3/4		3/4		3/4	
8	2,494.29	8	2,121.54	8	1,748.78	8	1,376.02	8	1,003.26	8	635.85	8	272.56	8		8		8	
8 1/4	2,486.53	8 1/4	2,113.77	8 1/4	1,741.01	8 1/4	1,368.25	8 1/4	995.50	8 1/4	628.41	8 1/4	264.77	8 1/4		8 1/4		8 1/4	
8 1/2	2,478.76	8 1/2	2,106.00	8 1/2	1,733.25	8 1/2	1,360.49	8 1/2	987.73	8 1/2	620.96	8 1/2	256.99	8 1/2		8 1/2		8 1/2	
3/4	2,471.00	3/4	2,098.24	3/4	1,725.48	3/4	1,352.72	3/4	979.96	3/4	613.52	3/4	249.20	3/4		3/4		3/4	
9	2,463.23	9	2,090.47	9	1,717.71	9	1,344.96	9	972.20	9	606.07	9	241.41	9		9		9	
9 1/4	2,455.47	9 1/4	2,082.71	9 1/4	1,709.95	9 1/4	1,337.19	9 1/4	964.43	9 1/4	598.63	9 1/4	233.62	9 1/4		9 1/4		9 1/4	
9 1/2	2,447.70	9 1/2	2,074.94	9 1/2	1,702.18	9 1/2	1,329.42	9 1/2	956.67	9 1/2	591.19	9 1/2	225.83	9 1/2		9 1/2		9 1/2	
3/4	2,439.93	3/4	2,067.18	3/4	1,694.42	3/4	1,321.66	3/4	948.90	3/4	583.74	3/4	218.04	3/4		3/4		3/4	
10	2,432.17	10	2,059.41	10	1,686.65	10	1,313.89	10	941.13	10	576.30	10	210.25	10		10		10	
10 1/4	2,424.40	10 1/4	2,051.64	10 1/4	1,678.89	10 1/4	1,306.13	10 1/4	933.37	10 1/4	568.86	10 1/4	202.47	10 1/4		10 1/4		10 1/4	
10 1/2	2,416.64	10 1/2	2,043.88	10 1/2	1,671.12	10 1/2	1,298.36	10 1/2	925.60	10 1/2	561.41	10 1/2	194.68	10 1/2		10 1/2		10 1/2	
3/4	2,408.87	3/4	2,036.11	3/4	1,663.35	3/4	1,290.60	3/4	917.84	3/4	553.97	3/4	186.89	3/4		3/4		3/4	
11	2,401.11	11	2,028.35	11	1,655.59	11	1,282.83	11	910.07	11	546.53	11	179.12	11		11		11	
11 1/4	2,393.34	11 1/4	2,020.58	11 1/4	1,647.82	11 1/4	1,275.06	11 1/4	902.31	11 1/4	539.08	11 1/4	171.36	11 1/4		11 1/4		11 1/4	
11 1/2	2,385.57	11 1/2	2,012.82	11 1/2	1,640.06	11 1/2	1,267.30	11 1/2	894.54	11 1/2	531.64	11 1/2	163.59	11 1/2		11 1/2		11 1/2	
3/4	2,377.81	3/4	2,005.05	3/4	1,632.29	3/4	1,259.53	3/4	886.77	3/4	524.20	3/4	155.82	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/08/1993 SI
DECK MEASUREMENTS: 07/24/2003 SW
REPRINTED: 07/29/2003 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2003

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



BARGE "KIRBY 30406"

3 STBD

ULLAGE TABLE

FORMERLY "HW 3027"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN.	FR.	IN.	FR.	IN.	FR.	IN.	FR.	IN.	FR.	IN.	FR.	IN.	FR.	IN.	FR.	IN.	FR.	IN.	FR.
0	2,769.26	0	2,394.42	0	2,019.58	0	1,644.74	0	1,269.90	0	895.05	0	522.16	0	148.26	0	0	0	0
1/4	2,761.45	1/4	2,386.61	1/4	2,011.77	1/4	1,636.93	1/4	1,262.09	1/4	887.25	1/4	514.42	1/4	140.47	1/4	1/4	1/4	1/4
1/2	2,753.64	1/2	2,378.80	1/2	2,003.96	1/2	1,629.12	1/2	1,254.28	1/2	879.44	1/2	506.67	1/2	132.69	1/2	1/2	1/2	1/2
3/4	2,745.83	3/4	2,370.99	3/4	1,996.15	3/4	1,621.31	3/4	1,246.47	3/4	871.63	3/4	498.92	3/4	124.90	3/4	3/4	3/4	3/4
1	2,738.03	1	2,363.18	1	1,988.34	1	1,613.50	1	1,238.66	1	863.82	1	491.18	1	117.12	1	1	1	1
1/4	2,730.22	1/4	2,355.37	1/4	1,980.53	1/4	1,605.69	1/4	1,230.85	1/4	856.01	1/4	483.43	1/4	109.33	1/4	1/4	1/4	1/4
1/2	2,722.41	1/2	2,347.57	1/2	1,972.72	1/2	1,597.88	1/2	1,223.04	1/2	848.20	1/2	475.69	1/2	101.54	1/2	1/2	1/2	1/2
3/4	2,714.60	3/4	2,339.76	3/4	1,964.91	3/4	1,590.07	3/4	1,215.23	3/4	840.39	3/4	467.94	3/4	93.76	3/4	3/4	3/4	3/4
2	2,706.79	2	2,331.95	2	1,957.11	2	1,582.26	2	1,207.42	2	832.58	2	460.19	2	85.97	2	2	2	2
1/4	2,698.98	1/4	2,324.14	1/4	1,949.30	1/4	1,574.45	1/4	1,199.61	1/4	824.77	1/4	452.45	1/4	78.19	1/4	1/4	1/4	1/4
1/2	2,691.17	1/2	2,316.33	1/2	1,941.49	1/2	1,566.65	1/2	1,191.80	1/2	816.96	1/2	444.70	1/2	70.40	1/2	1/2	1/2	1/2
3/4	2,683.36	3/4	2,308.52	3/4	1,933.68	3/4	1,558.84	3/4	1,183.99	3/4	809.15	3/4	436.96	3/4	62.61	3/4	3/4	3/4	3/4
3	2,675.55	3	2,300.71	3	1,925.87	3	1,551.03	3	1,176.19	3	801.34	3	429.18	3	55.78	3	3	3	3
1/4	2,667.74	1/4	2,292.90	1/4	1,918.06	1/4	1,543.22	1/4	1,168.38	1/4	793.53	1/4	421.40	1/4	48.95	1/4	1/4	1/4	1/4
1/2	2,659.93	1/2	2,285.09	1/2	1,910.25	1/2	1,535.41	1/2	1,160.57	1/2	785.73	1/2	413.62	1/2	42.12	1/2	1/2	1/2	1/2
3/4	2,652.12	3/4	2,277.28	3/4	1,902.44	3/4	1,527.60	3/4	1,152.76	3/4	777.92	3/4	405.84	3/4	35.29	3/4	3/4	3/4	3/4
4	2,644.32	4	2,269.47	4	1,894.63	4	1,519.79	4	1,144.95	4	770.14	4	398.02	4	30.42	4	4	4	4
1/4	2,636.51	1/4	2,261.66	1/4	1,886.82	1/4	1,511.98	1/4	1,137.14	1/4	762.36	1/4	390.22	1/4	25.54	1/4	1/4	1/4	1/4
1/2	2,628.70	1/2	2,253.86	1/2	1,879.01	1/2	1,504.17	1/2	1,129.33	1/2	754.58	1/2	382.41	1/2	20.67	1/2	1/2	1/2	1/2
3/4	2,620.89	3/4	2,246.05	3/4	1,871.20	3/4	1,496.36	3/4	1,121.52	3/4	746.80	3/4	374.60	3/4	14.80	3/4	3/4	3/4	3/4
5	2,613.08	5	2,238.24	5	1,863.40	5	1,488.55	5	1,113.71	5	739.05	5	366.79	5	9.00	5	5	5	5
1/4	2,605.27	1/4	2,230.43	1/4	1,855.59	1/4	1,480.74	1/4	1,105.90	1/4	731.30	1/4	358.98	1/4	3.20	1/4	1/4	1/4	1/4
1/2	2,597.46	1/2	2,222.62	1/2	1,847.78	1/2	1,472.94	1/2	1,098.09	1/2	723.56	1/2	351.17	1/2	-2.59	1/2	1/2	1/2	1/2
3/4	2,589.65	3/4	2,214.81	3/4	1,839.97	3/4	1,465.13	3/4	1,090.28	3/4	715.81	3/4	343.37	3/4	-8.78	3/4	3/4	3/4	3/4
6	2,581.84	6	2,207.00	6	1,832.16	6	1,457.32	6	1,082.48	6	708.07	6	335.56	6	-14.97	6	6	6	6
1/4	2,574.03	1/4	2,199.19	1/4	1,824.35	1/4	1,449.51	1/4	1,074.67	1/4	700.32	1/4	327.75	1/4	-21.16	1/4	1/4	1/4	1/4
1/2	2,566.22	1/2	2,191.38	1/2	1,816.54	1/2	1,441.70	1/2	1,066.86	1/2	692.57	1/2	319.94	1/2	-27.35	1/2	1/2	1/2	1/2
3/4	2,558.41	3/4	2,183.57	3/4	1,808.73	3/4	1,433.89	3/4	1,059.05	3/4	684.83	3/4	312.13	3/4	-33.54	3/4	3/4	3/4	3/4
7	2,550.60	7	2,175.76	7	1,800.92	7	1,426.08	7	1,051.24	7	677.08	7	304.32	7	-39.73	7	7	7	7
1/4	2,542.80	1/4	2,167.95	1/4	1,793.11	1/4	1,418.27	1/4	1,043.43	1/4	669.34	1/4	296.51	1/4	-45.92	1/4	1/4	1/4	1/4
1/2	2,534.99	1/2	2,160.14	1/2	1,785.30	1/2	1,410.46	1/2	1,035.62	1/2	661.59	1/2	288.70	1/2	-52.11	1/2	1/2	1/2	1/2
3/4	2,527.18	3/4	2,152.34	3/4	1,777.49	3/4	1,402.65	3/4	1,027.81	3/4	653.84	3/4	280.89	3/4	-58.30	3/4	3/4	3/4	3/4
8	2,519.37	8	2,144.53	8	1,769.68	8	1,394.84	8	1,020.00	8	646.10	8	273.09	8	-64.49	8	8	8	8
1/4	2,511.56	1/4	2,136.72	1/4	1,761.88	1/4	1,387.03	1/4	1,012.19	1/4	638.35	1/4	265.28	1/4	-70.68	1/4	1/4	1/4	1/4
1/2	2,503.75	1/2	2,128.91	1/2	1,754.07	1/2	1,379.22	1/2	1,004.38	1/2	630.61	1/2	257.47	1/2	-76.87	1/2	1/2	1/2	1/2
3/4	2,495.94	3/4	2,121.10	3/4	1,746.26	3/4	1,371.42	3/4	996.57	3/4	622.86	3/4	249.66	3/4	-83.06	3/4	3/4	3/4	3/4
9	2,488.13	9	2,113.29	9	1,738.45	9	1,363.61	9	988.76	9	615.11	9	241.85	9	-89.25	9	9	9	9
1/4	2,480.32	1/4	2,105.48	1/4	1,730.64	1/4	1,355.80	1/4	980.96	1/4	607.37	1/4	234.04	1/4	-95.44	1/4	1/4	1/4	1/4
1/2	2,472.51	1/2	2,097.67	1/2	1,722.83	1/2	1,347.99	1/2	973.15	1/2	599.62	1/2	226.23	1/2	-101.63	1/2	1/2	1/2	1/2
3/4	2,464.70	3/4	2,089.86	3/4	1,715.02	3/4	1,340.18	3/4	965.34	3/4	591.88	3/4	218.42	3/4	-107.82	3/4	3/4	3/4	3/4
10	2,456.89	10	2,082.05	10	1,707.21	10	1,332.37	10	957.53	10	584.13	10	210.62	10	-114.01	10	10	10	10
1/4	2,449.09	1/4	2,074.24	1/4	1,699.40	1/4	1,324.56	1/4	949.72	1/4	576.38	1/4	202.81	1/4	-120.20	1/4	1/4	1/4	1/4
1/2	2,441.28	1/2	2,066.43	1/2	1,691.59	1/2	1,316.75	1/2	941.91	1/2	568.64	1/2	195.00	1/2	-126.39	1/2	1/2	1/2	1/2
3/4	2,433.47	3/4	2,058.63	3/4	1,683.78	3/4	1,308.94	3/4	934.10	3/4	560.89	3/4	187.19	3/4	-132.58	3/4	3/4	3/4	3/4
11	2,425.66	11	2,050.82	11	1,675.97	11	1,301.13	11	926.29	11	553.15	11	179.40	11	-138.77	11	11	11	11
1/4	2,417.85	1/4	2,043.01	1/4	1,668.17	1/4	1,293.32	1/4	918.48	1/4	545.40	1/4	171.62	1/4	-144.96	1/4	1/4	1/4	1/4
1/2	2,410.04	1/2	2,035.20	1/2	1,660.36	1/2	1,285.51	1/2	910.67	1/2	537.65	1/2	163.83	1/2	-151.15	1/2	1/2	1/2	1/2
3/4	2,402.23	3/4	2,027.39	3/4	1,652.55	3/4	1,277.71	3/4	902.86	3/4	529.91	3/4	156.05	3/4	-157.34	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/08/1993 SI
DECK MEASUREMENTS: 07/24/2003 SW
REPRINTED: 07/29/2003 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2003

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