



**KIRBY 29009**



**\*Barge Strapping Tables\***





# BARGE "KIRBY 29009"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 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	- 00-3/8	00-3/8	- 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	- 00-1/4	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 STBD	- 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
3 PORT	- 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	- 00-5/8	00-5/8
3 STBD	- 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	- 00-5/8	00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-00"

May 22, 2001

PRECISION MEASUREMENT

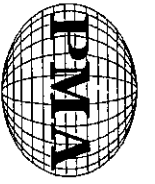
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# BARGE "KIRBY 29009"

## 1 PORT ULLAGE TABLE

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,101.67	0	1,769.27	0	1,436.87	0	1,105.17	0	788.09	0	490.27	0	211.77	0		0		0	
1/8	2,094.74	1/4	1,762.34	1/4	1,429.95	1/4	1,098.34	1/4	781.68	1/4	484.26	1/4	206.16	1/4		1/4		1/4	
1/4	2,087.82	1/2	1,755.42	1/2	1,423.02	1/2	1,091.55	1/2	775.32	1/2	478.28	1/2	200.55	1/2		1/2		1/2	
3/4	2,080.89	3/4	1,748.50	3/4	1,416.10	3/4	1,084.77	3/4	768.95	3/4	472.31	3/4	195.03	3/4		3/4		3/4	
1	2,073.97	1	1,741.57	1	1,409.18	1	1,077.98	1	762.59	1	466.33	1	189.46	1		1		1	
1/4	2,067.04	1/4	1,734.65	1/4	1,402.25	1/4	1,071.20	1/4	756.23	1/4	460.36	1/4	183.89	1/4		1/4		1/4	
1/2	2,060.12	1/2	1,727.72	1/2	1,395.33	1/2	1,064.44	1/2	749.89	1/2	454.42	1/2	178.35	1/2		1/2		1/2	
3/4	2,053.19	3/4	1,720.80	3/4	1,388.40	3/4	1,057.69	3/4	743.56	3/4	448.48	3/4	172.82	3/4		3/4		3/4	
2	2,046.27	2	1,713.87	2	1,381.48	2	1,050.93	2	737.23	2	442.53	2	167.28	2		2		2	
1/4	2,039.34	1/4	1,706.95	1/4	1,374.55	1/4	1,044.18	1/4	730.90	1/4	436.59	1/4	161.74	1/4		1/4		1/4	
1/2	2,032.42	1/2	1,700.02	1/2	1,367.63	1/2	1,037.45	1/2	724.58	1/2	430.68	1/2	156.24	1/2		1/2		1/2	
3/4	2,025.49	3/4	1,693.10	3/4	1,360.70	3/4	1,030.73	3/4	718.26	3/4	424.77	3/4	150.73	3/4		3/4		3/4	
3	2,018.57	3	1,686.17	3	1,353.78	3	1,024.01	3	711.95	3	418.85	3	145.22	3		3		3	
1/4	2,011.64	1/4	1,679.25	1/4	1,346.85	1/4	1,017.28	1/4	705.63	1/4	412.94	1/4	139.71	1/4		1/4		1/4	
1/2	2,004.72	1/2	1,672.32	1/2	1,339.93	1/2	1,010.59	1/2	699.35	1/2	407.06	1/2	134.24	1/2		1/2		1/2	
3/4	1,997.79	3/4	1,665.40	3/4	1,333.00	3/4	1,003.90	3/4	693.06	3/4	401.18	3/4	128.76	3/4		3/4		3/4	
4	1,990.87	4	1,658.47	4	1,326.08	4	997.21	4	686.77	4	395.30	4	123.29	4		4		4	
1/4	1,983.94	1/4	1,651.55	1/4	1,319.15	1/4	990.52	1/4	680.49	1/4	389.42	1/4	117.81	1/4		1/4		1/4	
1/2	1,977.02	1/2	1,644.62	1/2	1,312.23	1/2	983.86	1/2	674.24	1/2	383.57	1/2	112.37	1/2		1/2		1/2	
3/4	1,970.09	3/4	1,637.70	3/4	1,305.30	3/4	977.20	3/4	667.98	3/4	377.72	3/4	106.93	3/4		3/4		3/4	
5	1,963.17	5	1,630.77	5	1,298.38	5	970.54	5	661.73	5	371.88	5	101.49	5		5		5	
1/4	1,956.24	1/4	1,623.85	1/4	1,291.45	1/4	963.89	1/4	655.48	1/4	366.03	1/4	96.05	1/4		1/4		1/4	
1/2	1,949.32	1/2	1,616.92	1/2	1,284.53	1/2	957.26	1/2	649.26	1/2	360.22	1/2	90.64	1/2		1/2		1/2	
3/4	1,942.39	3/4	1,610.00	3/4	1,277.60	3/4	950.64	3/4	643.04	3/4	354.40	3/4	85.23	3/4		3/4		3/4	
6	1,935.47	6	1,603.07	6	1,270.68	6	944.01	6	636.82	6	348.59	6	79.82	6		6		6	
1/4	1,928.54	1/4	1,596.15	1/4	1,263.75	1/4	937.39	1/4	630.60	1/4	342.77	1/4	74.41	1/4		1/4		1/4	
1/2	1,921.62	1/2	1,589.22	1/2	1,256.83	1/2	930.82	1/2	624.43	1/2	337.00	1/2	69.05	1/2		1/2		1/2	
3/4	1,914.69	3/4	1,582.30	3/4	1,249.90	3/4	924.25	3/4	618.25	3/4	331.23	3/4	63.68	3/4		3/4		3/4	
7	1,907.77	7	1,575.37	7	1,242.98	7	917.68	7	612.07	7	325.46	7	58.32	7		7		7	
1/4	1,900.84	1/4	1,568.45	1/4	1,236.05	1/4	911.11	1/4	605.90	1/4	319.69	1/4	52.95	1/4		1/4		1/4	
1/2	1,893.92	1/2	1,561.52	1/2	1,229.13	1/2	904.58	1/2	599.75	1/2	313.95	1/2	47.62	1/2		1/2		1/2	
3/4	1,886.99	3/4	1,554.60	3/4	1,222.20	3/4	898.04	3/4	593.61	3/4	308.21	3/4	42.29	3/4		3/4		3/4	
8	1,880.07	8	1,547.67	8	1,215.28	8	891.51	8	587.46	8	302.47	8	36.95	8		8		8	
1/4	1,873.14	1/4	1,540.75	1/4	1,208.35	1/4	884.97	1/4	581.31	1/4	296.73	1/4	31.62	1/4		1/4		1/4	
1/2	1,866.22	1/2	1,533.82	1/2	1,201.43	1/2	878.47	1/2	575.20	1/2	291.02	1/2	27.07	1/2		1/2		1/2	
3/4	1,859.29	3/4	1,526.90	3/4	1,194.51	3/4	871.96	3/4	569.08	3/4	285.31	3/4	22.52	3/4		3/4		3/4	
9	1,852.37	9	1,519.97	9	1,187.59	9	865.46	9	562.97	9	279.60	9	17.97	9		9		9	
1/4	1,845.44	1/4	1,513.05	1/4	1,180.67	1/4	858.95	1/4	556.85	1/4	273.89	1/4	13.43	1/4		1/4		1/4	
1/2	1,838.52	1/2	1,506.12	1/2	1,173.77	1/2	852.48	1/2	550.77	1/2	268.22	1/2	10.53	1/2		1/2		1/2	
3/4	1,831.59	3/4	1,499.20	3/4	1,166.88	3/4	846.01	3/4	544.69	3/4	262.54	3/4	7.64	3/4		3/4		3/4	
10	1,824.67	10	1,492.27	10	1,159.99	10	839.53	10	538.60	10	256.86	10	4.75	10		10		10	
1/4	1,817.74	1/4	1,485.35	1/4	1,153.09	1/4	833.06	1/4	532.52	1/4	251.18	1/4	1.86	1/4		1/4		1/4	
1/2	1,810.82	1/2	1,478.42	1/2	1,146.23	1/2	826.62	1/2	526.47	1/2	245.54	1/2	0.52	1/2		1/2		1/2	
3/4	1,803.89	3/4	1,471.50	3/4	1,139.37	3/4	820.18	3/4	520.42	3/4	239.89	3/4		3/4		3/4		3/4	
11	1,796.97	11	1,464.57	11	1,132.51	11	813.74	11	514.37	11	234.25	11		11		11		11	
1/4	1,790.04	1/4	1,457.65	1/4	1,125.65	1/4	807.31	1/4	508.32	1/4	228.61	1/4		1/4		1/4		1/4	
1/2	1,783.12	1/2	1,450.72	1/2	1,118.82	1/2	800.90	1/2	502.31	1/2	222.99	1/2		1/2		1/2		1/2	
3/4	1,776.19	3/4	1,443.80	3/4	1,111.99	3/4	794.49	3/4	496.29	3/4	217.38	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2001 CL-SW  
 COMPUTED: 05/22/2001 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2001

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "KIRBY 29009"

1 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS			GAUGE HEIGHT 16-10 1/2"						
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	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
1/2	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
1/4	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
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
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
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
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
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
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
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
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
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
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
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

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 UNDERSIDE OF DECK AT GAUGE POINT.  
GAUGE POINT: LOCATED 12'-08" OFF CENTERLINE AND 37'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.  
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Pearland, Texas 77588  
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# BARGE "KIRBY 29009"

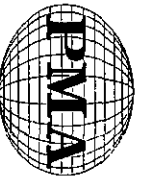
## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS			GAUGE HEIGHT 16'-10 1/2"											
IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.				
0	2,103.35	0	1,770.96	0	1,438.56	0	1,106.80	0	790.62	0				
1/4	2,096.43	1/4	1,764.03	1/4	1,431.64	1/4	1,099.97	1/4	784.26	1/4	493.26	0	214.57	0
1/2	2,089.50	1/2	1,757.11	1/2	1,424.71	1/2	1,093.15	1/2	777.90	1/2	487.25	1/2	208.96	1/4
3/4	2,082.58	3/4	1,750.18	3/4	1,417.79	3/4	1,086.37	3/4	771.58	3/4	481.24	1/2	203.35	1/2
1	2,075.65	1	1,743.26	1	1,410.86	1	1,079.59	1	765.26	1	475.27	3/4	197.79	3/4
1/4	2,068.73	1/4	1,736.33	1/4	1,403.94	1/4	1,072.81	1/4	758.94	1/4	469.30	1	192.23	1
1/2	2,061.80	1/2	1,729.41	1/2	1,397.01	1/2	1,066.03	1/2	752.62	1/2	463.34	1/4	186.67	1/4
3/4	2,054.88	3/4	1,722.48	3/4	1,390.09	3/4	1,059.28	3/4	746.33	3/4	457.37	1/2	181.10	1/2
2	2,047.95	2	1,715.56	2	1,383.16	2	1,052.53	2	740.04	2	451.43	1/2	175.57	3/4
1/4	2,041.03	1/4	1,708.63	1/4	1,376.24	1/4	1,045.78	1/4	733.75	1/4	445.49	2	170.04	2
1/2	2,034.10	1/2	1,701.71	1/2	1,369.31	1/2	1,039.03	1/2	727.46	1/2	439.55	1/4	164.51	1/4
3/4	2,027.18	3/4	1,694.78	3/4	1,362.39	3/4	1,032.31	3/4	721.18	3/4	433.61	1/2	158.97	1/2
3	2,020.25	3	1,687.86	3	1,355.46	3	1,025.59	3	714.90	3	427.70	3/4	153.47	3/4
1/4	2,013.33	1/4	1,680.93	1/4	1,348.54	1/4	1,018.87	1/4	708.62	1/4	421.79	3	147.96	3
1/2	2,006.40	1/2	1,674.01	1/2	1,341.61	1/2	1,012.15	1/2	702.34	1/2	415.89	1/4	142.46	1/4
3/4	1,999.48	3/4	1,667.08	3/4	1,334.69	3/4	1,005.46	3/4	696.09	3/4	409.98	1/2	136.96	1/2
4	1,992.55	4	1,660.16	4	1,327.76	4	998.77	4	689.84	4	404.10	3/4	131.49	3/4
1/4	1,985.63	1/4	1,653.23	1/4	1,320.84	1/4	992.09	1/4	683.59	1/4	398.22	4	126.02	4
1/2	1,978.70	1/2	1,646.31	1/2	1,313.91	1/2	985.40	1/2	677.34	1/2	392.35	1/4	120.55	1/4
3/4	1,971.78	3/4	1,639.38	3/4	1,306.99	3/4	978.77	3/4	671.09	3/4	386.47	1/2	115.08	1/2
5	1,964.85	5	1,632.46	5	1,300.06	5	972.15	5	664.84	5	380.63	3/4	109.64	3/4
1/4	1,957.93	1/4	1,625.53	1/4	1,293.14	1/4	965.53	1/4	658.59	1/4	374.79	5	104.20	5
1/2	1,951.00	1/2	1,618.61	1/2	1,286.21	1/2	958.90	1/2	652.34	1/2	368.94	1/4	98.76	1/4
3/4	1,944.08	3/4	1,611.68	3/4	1,279.29	3/4	952.32	3/4	646.13	3/4	363.10	1/2	93.33	1/2
6	1,937.15	6	1,604.76	6	1,272.36	6	945.73	6	639.91	6	357.29	3/4	87.92	3/4
1/4	1,930.23	1/4	1,597.83	1/4	1,265.44	1/4	939.15	1/4	633.70	1/4	351.48	6	82.52	6
1/2	1,923.30	1/2	1,590.91	1/2	1,258.51	1/2	932.56	1/2	627.48	1/2	345.67	1/4	77.11	1/4
3/4	1,916.38	3/4	1,583.98	3/4	1,251.59	3/4	926.04	3/4	621.31	3/4	339.86	1/2	71.71	1/2
7	1,909.45	7	1,577.06	7	1,244.66	7	919.52	7	615.14	7	334.10	3/4	66.35	3/4
1/4	1,902.53	1/4	1,570.13	1/4	1,237.74	1/4	913.00	1/4	608.97	1/4	328.33	7	60.99	7
1/2	1,895.60	1/2	1,563.21	1/2	1,230.81	1/2	906.47	1/2	602.80	1/2	322.57	1/4	55.63	1/4
3/4	1,888.68	3/4	1,556.28	3/4	1,223.89	3/4	899.98	3/4	596.66	3/4	316.80	1/2	50.27	1/2
8	1,881.75	8	1,549.36	8	1,216.96	8	893.49	8	590.52	8	311.07	3/4	44.94	3/4
1/4	1,874.83	1/4	1,542.43	1/4	1,210.04	1/4	886.99	1/4	584.37	1/4	305.33	8	39.61	8
1/2	1,867.90	1/2	1,535.51	1/2	1,203.11	1/2	880.50	1/2	578.23	1/2	299.60	1/4	34.28	1/4
3/4	1,860.98	3/4	1,528.58	3/4	1,196.19	3/4	874.04	3/4	572.12	3/4	293.86	1/2	28.95	1/2
9	1,854.05	9	1,521.66	9	1,189.27	9	867.58	9	566.01	9	288.15	3/4	24.52	3/4
1/4	1,847.13	1/4	1,514.73	1/4	1,182.35	1/4	861.11	1/4	559.90	1/4	282.45	9	20.08	9
1/2	1,840.20	1/2	1,507.81	1/2	1,175.43	1/2	854.65	1/2	553.79	1/2	276.74	1/4	15.64	1/4
3/4	1,833.28	3/4	1,500.88	3/4	1,168.54	3/4	848.22	3/4	547.71	3/4	271.03	1/2	11.21	1/2
10	1,826.36	10	1,493.96	10	1,161.65	10	841.79	10	541.63	10	265.36	3/4	8.54	3/4
1/4	1,819.43	1/4	1,487.04	1/4	1,154.76	1/4	835.36	1/4	535.55	1/4	259.69	10	5.86	10
1/2	1,812.51	1/2	1,480.11	1/2	1,147.87	1/2	828.94	1/2	529.47	1/2	254.01	10	3.19	10
3/4	1,805.58	3/4	1,473.19	3/4	1,141.02	3/4	822.54	3/4	523.43	3/4	248.34	1/2	0.52	1/2
11	1,798.66	11	1,466.26	11	1,134.16	11	816.14	11	517.38	11	242.70	3/4		3/4
1/4	1,791.73	1/4	1,459.34	1/4	1,127.30	1/4	809.75	1/4	511.33	1/4	237.06	11		11
1/2	1,784.81	1/2	1,452.41	1/2	1,120.45	1/2	803.35	1/2	505.29	1/2	231.42	1/4		1/4
3/4	1,777.88	3/4	1,445.49	3/4	1,113.62	3/4	796.99	3/4	499.28	3/4	225.78	1/2		1/2

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2001 CL-SW  
 COMPUTED: 05/22/2001 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2001

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



# BARGE "KIRBY 29009"

## 2 PORT ULLAGE TABLE

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	5,269.30	1/4	4,922.86	1/4	4,576.57	1/4	4,230.28	1/4	3,883.99	1/4	3,537.70	1/4	3,191.41	1/4	2,845.12	1/4	2,498.83	1/4	2,152.54
1/2	5,263.23	1/2	4,918.71	1/2	4,569.09	1/2	4,220.47	1/2	3,871.85	1/2	3,523.23	1/2	3,174.61	1/2	2,825.99	1/2	2,477.37	1/2	2,128.75
3/4	5,255.14	3/4	4,911.60	3/4	4,561.58	3/4	4,212.96	3/4	3,863.34	3/4	3,514.71	3/4	3,166.07	3/4	2,817.43	3/4	2,468.79	3/4	2,120.51
1	5,247.05	1	4,904.49	1	4,554.07	1	4,204.65	1	3,855.23	1	3,505.81	1	3,156.39	1	2,806.97	1	2,457.55	1	2,108.13
1 1/4	5,238.96	1 1/4	4,897.38	1 1/4	4,546.56	1 1/4	4,196.74	1 1/4	3,847.32	1 1/4	3,497.90	1 1/4	3,148.48	1 1/4	2,799.06	1 1/4	2,449.64	1 1/4	2,100.22
1 1/2	5,230.88	1 1/2	4,890.27	1 1/2	4,539.05	1 1/2	4,189.23	1 1/2	3,839.81	1 1/2	3,490.39	1 1/2	3,140.97	1 1/2	2,791.55	1 1/2	2,442.13	1 1/2	2,092.70
3/4	5,222.79	3/4	4,883.14	3/4	4,531.50	3/4	4,181.10	3/4	3,831.68	3/4	3,482.26	3/4	3,132.84	3/4	2,783.42	3/4	2,434.00	3/4	2,084.58
2	5,214.70	2	4,876.01	2	4,523.96	2	4,173.52	2	3,823.70	2	3,474.28	2	3,125.86	2	2,774.44	2	2,425.02	2	2,075.16
2 1/4	5,206.61	2 1/4	4,868.87	2 1/4	4,516.42	2 1/4	4,165.98	2 1/4	3,816.56	2 1/4	3,467.14	2 1/4	3,117.70	2 1/4	2,768.28	2 1/4	2,418.86	2 1/4	2,065.74
2 1/2	5,198.52	2 1/2	4,861.74	2 1/2	4,508.88	2 1/2	4,158.44	2 1/2	3,810.02	2 1/2	3,460.60	2 1/2	3,111.76	2 1/2	2,762.40	2 1/2	2,413.04	2 1/2	2,056.80
3/4	5,191.62	3/4	4,854.58	3/4	4,501.31	3/4	4,151.00	3/4	3,801.58	3/4	3,452.16	3/4	3,103.02	3/4	2,753.58	3/4	2,404.16	3/4	2,047.34
3	5,184.72	3	4,847.42	3	4,493.74	3	4,142.26	3	3,792.24	3	3,442.82	3	3,093.40	3	2,744.00	3	2,394.58	3	2,038.50
1/4	5,177.82	1/4	4,840.27	1/4	4,486.17	1/4	4,134.35	1/4	3,784.84	1/4	3,435.42	1/4	3,086.00	1/4	2,736.58	1/4	2,387.16	1/4	2,030.02
1/2	5,170.92	1/2	4,833.11	1/2	4,478.60	1/2	4,126.44	1/2	3,777.92	1/2	3,428.00	1/2	3,078.58	1/2	2,728.16	1/2	2,378.74	1/2	2,021.10
3/4	5,163.99	3/4	4,825.92	3/4	4,471.00	3/4	4,098.51	3/4	3,770.00	3/4	3,420.08	3/4	3,070.66	3/4	2,720.24	3/4	2,370.30	3/4	2,012.14
4	5,157.07	4	4,818.73	4	4,463.40	4	4,090.58	4	3,762.08	4	3,412.16	4	3,062.74	4	2,712.30	4	2,362.34	4	2,003.18
1/4	5,150.14	1/4	4,811.54	1/4	4,455.80	1/4	4,082.65	1/4	3,754.16	1/4	3,404.24	1/4	3,054.82	1/4	2,704.38	1/4	2,354.38	1/4	1,994.22
1/2	5,143.22	1/2	4,804.35	1/2	4,448.19	1/2	4,074.72	1/2	3,746.24	1/2	3,396.32	1/2	3,046.90	1/2	2,696.46	1/2	2,346.42	1/2	1,985.26
3/4	5,136.27	3/4	4,797.13	3/4	4,440.57	3/4	4,066.75	3/4	3,738.32	3/4	3,388.40	3/4	3,038.96	3/4	2,688.54	3/4	2,338.50	3/4	1,976.30
5	5,129.32	5	4,789.92	5	4,432.94	5	4,058.79	5	3,730.40	5	3,380.48	5	3,030.06	5	2,680.62	5	2,330.56	5	1,967.34
1/4	5,122.37	1/4	4,782.70	1/4	4,425.32	1/4	4,050.82	1/4	3,722.84	1/4	3,372.56	1/4	3,022.14	1/4	2,672.70	1/4	2,322.62	1/4	1,958.38
1/2	5,115.42	1/2	4,775.48	1/2	4,417.69	1/2	4,042.86	1/2	3,714.92	1/2	3,364.64	1/2	3,014.72	1/2	2,664.78	1/2	2,314.74	1/2	1,949.42
3/4	5,108.43	3/4	4,768.23	3/4	4,410.04	3/4	4,034.87	3/4	3,707.00	3/4	3,356.72	3/4	3,006.80	3/4	2,656.84	3/4	2,306.80	3/4	1,940.46
6	5,101.45	6	4,760.98	6	4,402.39	6	4,026.88	6	3,699.08	6	3,348.80	6	2,998.88	6	2,648.90	6	2,298.86	6	1,931.50
1/4	5,094.47	1/4	4,753.73	1/4	4,394.74	1/4	4,018.89	1/4	3,691.16	1/4	3,340.88	1/4	2,990.90	1/4	2,641.92	1/4	2,290.90	1/4	1,922.54
1/2	5,087.49	1/2	4,746.48	1/2	4,387.08	1/2	4,010.90	1/2	3,683.24	1/2	3,332.96	1/2	2,982.96	1/2	2,633.96	1/2	2,282.96	1/2	1,913.58
3/4	5,080.48	3/4	4,739.21	3/4	4,379.40	3/4	4,002.87	3/4	3,675.32	3/4	3,325.04	3/4	2,975.04	3/4	2,625.04	3/4	2,275.04	3/4	1,904.62
7	5,073.47	7	4,731.94	7	4,371.72	7	3,994.85	7	3,667.40	7	3,317.12	7	2,967.12	7	2,617.12	7	2,267.12	7	1,895.66
1/4	5,066.46	1/4	4,724.66	1/4	4,364.03	1/4	3,986.82	1/4	3,659.48	1/4	3,309.20	1/4	2,959.20	1/4	2,609.20	1/4	2,259.20	1/4	1,886.70
1/2	5,059.45	1/2	4,717.39	1/2	4,356.35	1/2	3,978.79	1/2	3,651.56	1/2	3,301.28	1/2	2,951.28	1/2	2,601.28	1/2	2,251.28	1/2	1,877.74
3/4	5,052.41	3/4	4,710.09	3/4	4,348.64	3/4	3,970.75	3/4	3,643.64	3/4	3,293.36	3/4	2,943.36	3/4	2,593.36	3/4	2,243.36	3/4	1,868.78
8	5,045.37	8	4,702.79	8	4,340.93	8	3,962.70	8	3,635.72	8	3,285.40	8	2,935.40	8	2,585.40	8	2,235.40	8	1,859.82
1/4	5,038.33	1/4	4,695.49	1/4	4,333.22	1/4	3,954.65	1/4	3,627.76	1/4	3,277.48	1/4	2,927.48	1/4	2,577.48	1/4	2,227.48	1/4	1,850.86
1/2	5,031.29	1/2	4,688.20	1/2	4,325.52	1/2	3,946.60	1/2	3,619.80	1/2	3,269.50	1/2	2,919.50	1/2	2,569.50	1/2	2,219.50	1/2	1,841.90
3/4	5,024.29	3/4	4,680.79	3/4	4,317.77	3/4	3,938.53	3/4	3,611.84	3/4	3,261.60	3/4	2,911.60	3/4	2,561.60	3/4	2,211.60	3/4	1,832.94
9	5,017.30	9	4,673.39	9	4,310.03	9	3,930.46	9	3,603.92	9	3,253.68	9	2,903.68	9	2,553.68	9	2,203.68	9	1,824.00
1/4	5,010.30	1/4	4,665.99	1/4	4,302.28	1/4	3,922.39	1/4	3,595.84	1/4	3,245.44	1/4	2,895.44	1/4	2,545.44	1/4	2,195.44	1/4	1,815.04
1/2	5,003.31	1/2	4,658.59	1/2	4,294.54	1/2	3,914.31	1/2	3,587.76	1/2	3,237.20	1/2	2,887.20	1/2	2,537.20	1/2	2,187.20	1/2	1,806.08
3/4	4,996.29	3/4	4,651.16	3/4	4,286.77	3/4	3,906.23	3/4	3,579.20	3/4	3,229.12	3/4	2,879.12	3/4	2,529.12	3/4	2,179.12	3/4	1,797.12
10	4,989.27	10	4,643.73	10	4,279.01	10	3,898.14	10	3,571.16	10	3,221.04	10	2,871.04	10	2,521.04	10	2,169.04	10	1,788.16
1/4	4,982.25	1/4	4,636.31	1/4	4,271.24	1/4	3,890.06	1/4	3,563.12	1/4	3,213.92	1/4	2,863.92	1/4	2,513.92	1/4	2,163.92	1/4	1,779.20
1/2	4,975.23	1/2	4,628.88	1/2	4,263.48	1/2	3,881.97	1/2	3,555.04	1/2	3,205.84	1/2	2,855.84	1/2	2,505.84	1/2	2,155.84	1/2	1,770.24
3/4	4,968.17	3/4	4,621.42	3/4	4,255.68	3/4	3,873.88	3/4	3,547.92	3/4	3,197.76	3/4	2,847.76	3/4	2,497.76	3/4	2,147.76	3/4	1,761.28
11	4,961.12	11	4,613.95	11	4,247.89	11	3,865.80	11	3,539.84	11	3,189.68	11	2,839.68	11	2,489.68	11	2,139.68	11	1,752.32
1/4	4,954.07	1/4	4,606.49	1/4	4,240.10	1/4	3,857.71	1/4	3,531.76	1/4	3,181.60	1/4	2,831.60	1/4	2,481.60	1/4	2,131.60	1/4	1,743.36
1/2	4,947.02	1/2	4,599.03	1/2	4,232.31	1/2	3,849.63	1/2	3,523.68	1/2	3,173.52	1/2	2,823.52	1/2	2,473.52	1/2	2,123.52	1/2	1,734.40
3/4	4,939.94	3/4	4,591.54	3/4	4,224.48	3/4	3,841.54	3/4	3,515.60	3/4	3,165.44	3/4	2,815.44	3/4	2,465.44	3/4	2,115.44	3/4	1,725.44

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 GAUGE POINT: LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 29009"

## 2 PORT ULLAGE TABLE

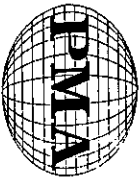
CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS												GAUGE HEIGHT 16'-10 1/2"											
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.				
0	2,668.95	0	2,280.71	0	1,892.46	0	1,504.22	0	1,115.98	0	728.05	0	340.01	0		0		0					
1/4	2,660.86	1/4	2,272.62	1/4	1,884.37	1/4	1,496.13	1/4	1,107.89	1/4	719.98	1/4	331.92	1/4		1/4		1/4					
1/2	2,652.77	1/2	2,264.53	1/2	1,876.29	1/2	1,488.04	1/2	1,099.80	1/2	711.91	1/2	323.83	1/2		1/2		1/2					
3/4	2,644.68	3/4	2,256.44	3/4	1,868.20	3/4	1,479.95	3/4	1,091.71	3/4	703.84	3/4	315.74	3/4		3/4		3/4					
1	2,636.60	1	2,248.35	1	1,860.11	1	1,471.87	1	1,083.62	1	695.76	1	307.66	1		1		1					
1/4	2,628.51	1/4	2,240.26	1/4	1,852.02	1/4	1,463.78	1/4	1,075.53	1/4	687.69	1/4	299.57	1/4		1/4		1/4					
1/2	2,620.42	1/2	2,232.18	1/2	1,843.93	1/2	1,455.69	1/2	1,067.45	1/2	679.62	1/2	291.48	1/2		1/2		1/2					
3/4	2,612.33	3/4	2,224.09	3/4	1,835.84	3/4	1,447.60	3/4	1,059.36	3/4	671.55	3/4	283.39	3/4		3/4		3/4					
2	2,604.24	2	2,216.00	2	1,827.76	2	1,439.51	2	1,051.27	2	663.47	2	275.30	2		2		2					
1/4	2,596.15	1/4	2,207.91	1/4	1,819.67	1/4	1,431.42	1/4	1,043.18	1/4	655.40	1/4	267.22	1/4		1/4		1/4					
1/2	2,588.06	1/2	2,199.82	1/2	1,811.58	1/2	1,423.34	1/2	1,035.09	1/2	647.33	1/2	259.13	1/2		1/2		1/2					
3/4	2,579.98	3/4	2,191.73	3/4	1,803.49	3/4	1,415.25	3/4	1,027.00	3/4	639.25	3/4	251.04	3/4		3/4		3/4					
3	2,571.89	3	2,183.64	3	1,795.40	3	1,407.16	3	1,018.92	3	631.17	3	242.95	3		3		3					
1/4	2,563.80	1/4	2,175.56	1/4	1,787.31	1/4	1,399.07	1/4	1,010.83	1/4	623.09	1/4	234.86	1/4		1/4		1/4					
1/2	2,555.71	1/2	2,167.47	1/2	1,779.22	1/2	1,390.98	1/2	1,002.74	1/2	615.01	1/2	226.77	1/2		1/2		1/2					
3/4	2,547.62	3/4	2,159.38	3/4	1,771.14	3/4	1,382.89	3/4	994.65	3/4	606.92	3/4	218.69	3/4		3/4		3/4					
4	2,539.53	4	2,151.29	4	1,763.05	4	1,374.80	4	986.56	4	598.83	4	210.60	4		4		4					
1/4	2,531.45	1/4	2,143.20	1/4	1,754.96	1/4	1,366.72	1/4	978.47	1/4	590.74	1/4	202.51	1/4		1/4		1/4					
1/2	2,523.36	1/2	2,135.11	1/2	1,746.87	1/2	1,358.63	1/2	970.38	1/2	582.65	1/2	194.42	1/2		1/2		1/2					
3/4	2,515.27	3/4	2,127.03	3/4	1,738.78	3/4	1,350.54	3/4	962.30	3/4	574.57	3/4	186.33	3/4		3/4		3/4					
5	2,507.18	5	2,118.94	5	1,730.69	5	1,342.45	5	954.21	5	566.48	5	178.24	5		5		5					
1/4	2,499.09	1/4	2,110.85	1/4	1,722.61	1/4	1,334.36	1/4	946.12	1/4	558.39	1/4	170.16	1/4		1/4		1/4					
1/2	2,491.00	1/2	2,102.76	1/2	1,714.52	1/2	1,326.27	1/2	938.03	1/2	550.30	1/2	162.07	1/2		1/2		1/2					
3/4	2,482.92	3/4	2,094.67	3/4	1,706.43	3/4	1,318.19	3/4	929.94	3/4	542.21	3/4	153.98	3/4		3/4		3/4					
6	2,474.83	6	2,086.58	6	1,698.34	6	1,310.10	6	921.85	6	534.13	6	145.89	6		6		6					
1/4	2,466.74	1/4	2,078.50	1/4	1,690.25	1/4	1,302.01	1/4	913.77	1/4	526.04	1/4	137.80	1/4		1/4		1/4					
1/2	2,458.65	1/2	2,070.41	1/2	1,682.16	1/2	1,293.92	1/2	905.68	1/2	517.95	1/2	129.72	1/2		1/2		1/2					
3/4	2,450.56	3/4	2,062.32	3/4	1,674.08	3/4	1,285.83	3/4	897.60	3/4	509.86	3/4	121.63	3/4		3/4		3/4					
7	2,442.47	7	2,054.23	7	1,665.99	7	1,277.74	7	889.52	7	501.77	7	113.54	7		7		7					
1/4	2,434.39	1/4	2,046.14	1/4	1,657.90	1/4	1,269.66	1/4	881.44	1/4	493.68	1/4	105.45	1/4		1/4		1/4					
1/2	2,426.30	1/2	2,038.05	1/2	1,649.81	1/2	1,261.57	1/2	873.36	1/2	485.60	1/2	97.36	1/2		1/2		1/2					
3/4	2,418.21	3/4	2,029.97	3/4	1,641.72	3/4	1,253.48	3/4	865.28	3/4	477.51	3/4	89.27	3/4		3/4		3/4					
8	2,410.12	8	2,021.88	8	1,633.63	8	1,245.39	8	857.21	8	469.42	8	81.19	8		8		8					
1/4	2,402.03	1/4	2,013.79	1/4	1,625.55	1/4	1,237.30	1/4	849.14	1/4	461.33	1/4	73.10	1/4		1/4		1/4					
1/2	2,393.94	1/2	2,005.70	1/2	1,617.46	1/2	1,229.21	1/2	841.07	1/2	453.24	1/2	65.01	1/2		1/2		1/2					
3/4	2,385.85	3/4	1,997.61	3/4	1,609.37	3/4	1,221.13	3/4	832.99	3/4	445.16	3/4	57.93	3/4		3/4		3/4					
9	2,377.77	9	1,989.52	9	1,601.28	9	1,213.04	9	824.92	9	437.07	9	50.85	9		9		9					
1/4	2,369.68	1/4	1,981.43	1/4	1,593.19	1/4	1,204.95	1/4	816.85	1/4	428.98	1/4	43.78	1/4		1/4		1/4					
1/2	2,361.59	1/2	1,973.35	1/2	1,585.10	1/2	1,196.86	1/2	808.78	1/2	420.89	1/2	36.70	1/2		1/2		1/2					
3/4	2,353.50	3/4	1,965.26	3/4	1,577.01	3/4	1,188.77	3/4	800.70	3/4	412.80	3/4	31.64	3/4		3/4		3/4					
10	2,345.41	10	1,957.17	10	1,568.93	10	1,180.68	10	792.63	10	404.71	10	26.59	10		10		10					
1/4	2,337.32	1/4	1,949.08	1/4	1,560.84	1/4	1,172.59	1/4	784.56	1/4	396.63	1/4	21.53	1/4		1/4		1/4					
1/2	2,329.24	1/2	1,940.99	1/2	1,552.75	1/2	1,164.51	1/2	776.49	1/2	388.54	1/2	16.48	1/2		1/2		1/2					
3/4	2,321.15	3/4	1,932.90	3/4	1,544.66	3/4	1,156.42	3/4	768.41	3/4	380.45	3/4		3/4		3/4		3/4					
11	2,313.06	11	1,924.82	11	1,536.57	11	1,148.33	11	760.34	11	372.36	11		11		11		11					
1/4	2,304.97	1/4	1,916.73	1/4	1,528.48	1/4	1,140.24	1/4	752.27	1/4	364.27	1/4		1/4		1/4		1/4					
1/2	2,296.88	1/2	1,908.64	1/2	1,520.40	1/2	1,132.15	1/2	744.20	1/2	356.19	1/2		1/2		1/2		1/2					
3/4	2,288.79	3/4	1,900.55	3/4	1,512.31	3/4	1,124.06	3/4	736.13	3/4	348.10	3/4		3/4		3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2001 CL-SW  
 COMPUTED: 05/22/2001 CL

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





# BARGE "KIRBY 29009"

2 STBD  
ULLAGE TABLE

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

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	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	1/4
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	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	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

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

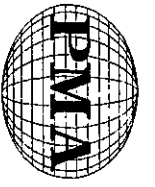
GAUGE HEIGHT 16'-10 1/2"

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 UNDERSIDE OF DECK AT GAUGE POINT.  
GAUGE POINT: LOCATED 12'-08" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

*Paul Stewart*



# BARGE "KIRBY 29009"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS			GAUGE HEIGHT 16.10 1/2"																
10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.										
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN										
0	2,654.55	0	2,266.19	0	1,877.82	0	1,489.46	0	1,101.10	0	721.90	0	340.09	0					
1/4	2,646.46	1/4	2,258.10	1/4	1,869.73	1/4	1,481.37	1/4	1,093.01	1/4	714.14	1/4	322.00	1/4					
1/2	2,638.37	1/2	2,250.01	1/2	1,861.64	1/2	1,473.28	1/2	1,084.92	1/2	706.39	1/2	313.91	1/2					
3/4	2,630.28	3/4	2,241.91	3/4	1,853.55	3/4	1,465.19	3/4	1,076.82	3/4	698.63	3/4	305.82	3/4					
1	2,622.19	1	2,233.82	1	1,845.46	1	1,457.10	1	1,068.73	1	690.88	1	297.74	1					
1/4	2,614.10	1/4	2,225.73	1/4	1,837.37	1/4	1,449.01	1/4	1,060.64	1/4	683.12	1/4	289.65	1/4					
1/2	2,606.00	1/2	2,217.64	1/2	1,829.28	1/2	1,440.92	1/2	1,052.55	1/2	675.37	1/2	281.56	1/2					
3/4	2,597.91	3/4	2,209.55	3/4	1,821.19	3/4	1,432.82	3/4	1,044.46	3/4	667.62	3/4	283.47	3/4					
2	2,589.82	2	2,201.46	2	1,813.10	2	1,424.73	2	1,036.37	2	659.86	2	275.38	2					
1/4	2,581.73	1/4	2,193.37	1/4	1,805.01	1/4	1,416.64	1/4	1,028.28	1/4	652.11	1/4	267.29	1/4					
1/2	2,573.64	1/2	2,185.28	1/2	1,796.91	1/2	1,408.55	1/2	1,020.19	1/2	644.35	1/2	259.20	1/2					
3/4	2,565.55	3/4	2,177.19	3/4	1,788.82	3/4	1,400.46	3/4	1,012.10	3/4	636.59	3/4	251.11	3/4					
3	2,557.46	3	2,169.10	3	1,780.73	3	1,392.37	3	1,004.01	3	628.82	3	243.02	3					
1/4	2,549.37	1/4	2,161.01	1/4	1,772.64	1/4	1,384.28	1/4	995.92	1/4	621.06	1/4	234.93	1/4					
1/2	2,541.28	1/2	2,152.91	1/2	1,764.55	1/2	1,376.19	1/2	987.82	1/2	613.29	1/2	226.84	1/2					
3/4	2,533.19	3/4	2,144.82	3/4	1,756.46	3/4	1,368.10	3/4	979.73	3/4	605.52	3/4	218.75	3/4					
4	2,525.10	4	2,136.73	4	1,748.37	4	1,360.01	4	971.64	4	597.74	4	210.66	4					
1/4	2,517.00	1/4	2,128.64	1/4	1,740.28	1/4	1,351.92	1/4	963.55	1/4	589.96	1/4	202.57	1/4					
1/2	2,508.91	1/2	2,120.55	1/2	1,732.19	1/2	1,343.82	1/2	955.46	1/2	582.18	1/2	194.48	1/2					
3/4	2,500.82	3/4	2,112.46	3/4	1,724.10	3/4	1,335.73	3/4	947.52	3/4	574.24	3/4	186.39	3/4					
5	2,492.73	5	2,104.37	5	1,716.01	5	1,327.64	5	939.58	5	566.31	5	178.30	5					
1/4	2,484.64	1/4	2,096.28	1/4	1,707.91	1/4	1,319.55	1/4	931.65	1/4	558.37	1/4	170.21	1/4					
1/2	2,476.55	1/2	2,088.19	1/2	1,699.82	1/2	1,311.46	1/2	923.71	1/2	550.43	1/2	162.12	1/2					
3/4	2,468.46	3/4	2,080.10	3/4	1,691.73	3/4	1,303.37	3/4	915.93	3/4	542.34	3/4	154.03	3/4					
6	2,460.37	6	2,072.01	6	1,683.64	6	1,295.28	6	908.15	6	534.25	6	145.94	6					
1/4	2,452.28	1/4	2,063.91	1/4	1,675.55	1/4	1,287.19	1/4	900.36	1/4	526.16	1/4	137.85	1/4					
1/2	2,444.19	1/2	2,055.82	1/2	1,667.46	1/2	1,279.10	1/2	892.58	1/2	518.07	1/2	129.76	1/2					
3/4	2,436.10	3/4	2,047.73	3/4	1,659.37	3/4	1,271.01	3/4	884.82	3/4	509.98	3/4	121.67	3/4					
7	2,428.01	7	2,039.64	7	1,651.28	7	1,262.92	7	877.05	7	501.89	7	113.58	7					
1/4	2,419.91	1/4	2,031.55	1/4	1,643.19	1/4	1,254.82	1/4	869.28	1/4	493.80	1/4	105.49	1/4					
1/2	2,411.82	1/2	2,023.46	1/2	1,635.10	1/2	1,246.73	1/2	861.52	1/2	485.71	1/2	97.40	1/2					
3/4	2,403.73	3/4	2,015.37	3/4	1,627.01	3/4	1,238.64	3/4	853.76	3/4	477.62	3/4	89.31	3/4					
8	2,395.64	8	2,007.28	8	1,618.92	8	1,230.55	8	846.00	8	469.53	8	81.22	8					
1/4	2,387.55	1/4	1,999.19	1/4	1,610.82	1/4	1,222.46	1/4	838.25	1/4	461.44	1/4	73.13	1/4					
1/2	2,379.46	1/2	1,991.10	1/2	1,602.73	1/2	1,214.37	1/2	830.49	1/2	453.35	1/2	65.04	1/2					
3/4	2,371.37	3/4	1,983.01	3/4	1,594.64	3/4	1,206.28	3/4	822.73	3/4	445.26	3/4	57.96	3/4					
9	2,363.28	9	1,974.91	9	1,586.55	9	1,198.19	9	814.98	9	437.17	9	50.88	9					
1/4	2,355.19	1/4	1,966.82	1/4	1,578.46	1/4	1,190.10	1/4	807.22	1/4	429.08	1/4	43.80	1/4					
1/2	2,347.10	1/2	1,958.73	1/2	1,570.37	1/2	1,182.01	1/2	799.47	1/2	420.99	1/2	36.72	1/2					
3/4	2,339.01	3/4	1,950.64	3/4	1,562.28	3/4	1,173.92	3/4	791.71	3/4	412.90	3/4	31.66	3/4					
10	2,330.91	10	1,942.55	10	1,554.19	10	1,165.82	10	783.95	10	404.81	10	26.60	10					
1/4	2,322.82	1/4	1,934.46	1/4	1,546.10	1/4	1,157.73	1/4	776.20	1/4	396.72	1/4	21.55	1/4					
1/2	2,314.73	1/2	1,926.37	1/2	1,538.01	1/2	1,149.64	1/2	768.44	1/2	388.63	1/2	16.49	1/2					
3/4	2,306.64	3/4	1,918.28	3/4	1,529.92	3/4	1,141.55	3/4	760.68	3/4	380.54	3/4		3/4					
11	2,298.55	11	1,910.19	11	1,521.82	11	1,133.46	11	752.93	11	372.45	11		11					
1/4	2,290.46	1/4	1,902.10	1/4	1,513.73	1/4	1,125.37	1/4	745.17	1/4	364.36	1/4		1/4					
1/2	2,282.37	1/2	1,894.01	1/2	1,505.64	1/2	1,117.28	1/2	737.41	1/2	356.27	1/2		1/2					
3/4	2,274.28	3/4	1,885.91	3/4	1,497.55	3/4	1,109.19	3/4	729.66	3/4	348.18	3/4		3/4					

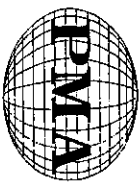
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2001 CL-SW  
COMPUTED: 05/22/2001 CL

PRECISION MEASUREMENT & ANALYSIS, INC.  
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*Paul Stewart*

CANCELS AND SUPERCEDES ALL PRIOR TO 05/2001



# BARGE "KIRBY 29009"

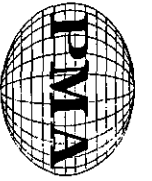
## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS												GAUGE HEIGHT 16'-10 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	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 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4				
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2				
1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4				
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4				
2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2				
2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4				
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4				
3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2				
3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4				
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4				
4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4				
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2				
4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4				
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4				
5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2				
5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4				
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6				
6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4				
6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2				
6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4				
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7				
7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4				
7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2				
7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4				
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8				
8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4				
8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2				
8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4				
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9				
9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4				
9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2				
9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4				
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				
10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4				
10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2				
10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4				
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11				
11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4				
11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2				
11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4				
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12				

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 GAUGE POINT: LOCATED 12'-09" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.  
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 http://www.pmaacorp.net



# BARGE "KIRBY 29009"

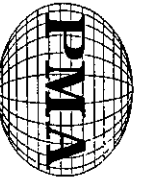
## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS				GAUGE HEIGHT 16'-10 1/2"							
IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.	
0	2,485.56	0	2,124.47	0	1,763.39	0	1,402.30	0	1,041.47	0	
1/4	2,478.03	1/4	2,116.95	1/4	1,755.86	1/4	1,394.78	1/4	1,033.97	1/4	673.42
1/2	2,470.51	1/2	2,109.43	1/2	1,748.34	1/2	1,387.26	1/2	1,026.47	1/2	665.90
3/4	2,462.99	3/4	2,101.90	3/4	1,740.82	3/4	1,379.73	3/4	1,018.97	3/4	658.37
1	2,455.47	1	2,094.38	1	1,733.30	1	1,372.21	1	1,011.48	1	650.85
1/4	2,447.94	1/4	2,086.86	1/4	1,725.77	1/4	1,364.69	1/4	1,003.98	1/4	643.33
1/2	2,440.42	1/2	2,079.34	1/2	1,718.25	1/2	1,357.17	1/2	996.48	1/2	635.81
3/4	2,432.90	3/4	2,071.81	3/4	1,710.73	3/4	1,349.64	3/4	988.98	3/4	628.28
2	2,425.37	2	2,064.29	2	1,703.21	2	1,342.12	2	981.49	2	620.76
1/4	2,417.85	1/4	2,056.77	1/4	1,695.68	1/4	1,334.60	1/4	973.99	1/4	613.24
1/2	2,410.33	1/2	2,049.24	1/2	1,688.16	1/2	1,327.08	1/2	966.49	1/2	605.72
3/4	2,402.81	3/4	2,041.72	3/4	1,680.64	3/4	1,319.55	3/4	958.99	3/4	598.19
3	2,395.28	3	2,034.20	3	1,673.11	3	1,312.03	3	951.50	3	590.67
1/4	2,387.76	1/4	2,026.68	1/4	1,665.59	1/4	1,304.51	1/4	944.00	1/4	583.15
1/2	2,380.24	1/2	2,019.15	1/2	1,658.07	1/2	1,296.98	1/2	936.50	1/2	575.63
3/4	2,372.72	3/4	2,011.63	3/4	1,650.55	3/4	1,289.46	3/4	929.00	3/4	568.10
4	2,365.19	4	2,004.11	4	1,643.02	4	1,281.94	4	921.51	4	560.58
1/4	2,357.67	1/4	1,996.59	1/4	1,635.50	1/4	1,274.42	1/4	914.01	1/4	553.06
1/2	2,350.15	1/2	1,989.06	1/2	1,627.98	1/2	1,266.89	1/2	906.51	1/2	545.54
3/4	2,342.63	3/4	1,981.54	3/4	1,620.46	3/4	1,259.37	3/4	899.01	3/4	538.01
5	2,335.10	5	1,974.02	5	1,612.93	5	1,251.85	5	891.52	5	530.49
1/4	2,327.58	1/4	1,966.50	1/4	1,605.41	1/4	1,244.33	1/4	884.02	1/4	522.97
1/2	2,320.06	1/2	1,958.97	1/2	1,597.89	1/2	1,236.80	1/2	876.52	1/2	515.45
3/4	2,312.54	3/4	1,951.45	3/4	1,590.37	3/4	1,229.28	3/4	869.00	3/4	507.92
6	2,305.01	6	1,943.93	6	1,582.84	6	1,221.76	6	861.48	6	500.40
1/4	2,297.49	1/4	1,936.41	1/4	1,575.32	1/4	1,214.24	1/4	853.96	1/4	492.88
1/2	2,289.97	1/2	1,928.88	1/2	1,567.80	1/2	1,206.71	1/2	846.43	1/2	485.36
3/4	2,282.45	3/4	1,921.36	3/4	1,560.28	3/4	1,199.19	3/4	838.91	3/4	477.84
7	2,274.92	7	1,913.84	7	1,552.75	7	1,191.67	7	831.39	7	470.31
1/4	2,267.40	1/4	1,906.32	1/4	1,545.23	1/4	1,184.15	1/4	823.87	1/4	462.79
1/2	2,259.88	1/2	1,898.79	1/2	1,537.71	1/2	1,176.62	1/2	816.34	1/2	455.27
3/4	2,252.36	3/4	1,891.27	3/4	1,530.19	3/4	1,169.10	3/4	808.82	3/4	447.75
8	2,244.83	8	1,883.75	8	1,522.66	8	1,161.58	8	801.30	8	440.22
1/4	2,237.31	1/4	1,876.23	1/4	1,515.14	1/4	1,154.06	1/4	793.78	1/4	432.70
1/2	2,229.79	1/2	1,868.70	1/2	1,507.62	1/2	1,146.53	1/2	786.25	1/2	425.18
3/4	2,222.26	3/4	1,861.18	3/4	1,500.10	3/4	1,139.01	3/4	778.73	3/4	417.66
9	2,214.74	9	1,853.66	9	1,492.57	9	1,131.49	9	771.21	9	410.13
1/4	2,207.22	1/4	1,846.13	1/4	1,485.05	1/4	1,123.97	1/4	763.69	1/4	402.61
1/2	2,199.70	1/2	1,838.61	1/2	1,477.53	1/2	1,116.44	1/2	756.16	1/2	395.09
3/4	2,192.17	3/4	1,831.09	3/4	1,470.00	3/4	1,108.94	3/4	748.64	3/4	387.57
10	2,184.65	10	1,823.57	10	1,462.48	10	1,101.45	10	741.12	10	380.04
1/4	2,177.13	1/4	1,816.04	1/4	1,454.96	1/4	1,093.95	1/4	733.60	1/4	372.52
1/2	2,169.61	1/2	1,808.52	1/2	1,447.44	1/2	1,086.45	1/2	726.07	1/2	365.00
3/4	2,162.08	3/4	1,801.00	3/4	1,439.91	3/4	1,078.95	3/4	718.55	3/4	357.48
11	2,154.56	11	1,793.48	11	1,432.39	11	1,071.46	11	711.03	11	349.95
1/4	2,147.04	1/4	1,785.95	1/4	1,424.87	1/4	1,063.96	1/4	703.51	1/4	342.43
1/2	2,139.52	1/2	1,778.43	1/2	1,417.35	1/2	1,056.46	1/2	695.98	1/2	334.91
3/4	2,131.99	3/4	1,770.91	3/4	1,409.82	3/4	1,048.96	3/4	688.46	3/4	327.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2001 CL-SW  
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 ALL PRIOR TO 05/2001

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "KIRBY 29009"

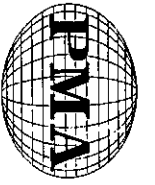
## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS												GAUGE HEIGHT 16'-10 1/2"											
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.				
0	0	0	0	0	0	0	4,535.91	0	4,290.86	0	4,041.01	0	3,778.31	0	3,504.30	0	3,185.21	0	2,824.86				
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,531.57	1/4	4,285.79	1/4	4,035.66	1/4	3,772.72	1/4	3,498.52	1/4	3,177.70	1/4	2,817.36				
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,527.23	1/2	4,280.72	1/2	4,030.31	1/2	3,767.12	1/2	3,492.73	1/2	3,170.19	1/2	2,809.85				
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,521.45	3/4	4,275.62	3/4	4,024.94	3/4	3,761.51	3/4	3,486.95	3/4	3,162.69	3/4	2,802.34				
1	1	1	1	1	1	1	4,515.67	1	4,270.52	1	4,019.57	1	3,755.90	1	3,481.17	1	3,155.18	1	2,794.83				
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	4,509.88	1 1/4	4,265.43	1 1/4	4,014.20	1 1/4	3,750.28	1 1/4	3,475.39	1 1/4	3,147.67	1 1/4	2,787.82				
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	4,504.10	1 1/2	4,260.33	1 1/2	4,008.83	1 1/2	3,744.67	1 1/2	3,469.61	1 1/2	3,140.14	1 1/2	2,779.82				
1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	4,498.32	1 3/4	4,255.22	1 3/4	4,003.43	1 3/4	3,739.03	1 3/4	3,463.82	1 3/4	3,132.66	1 3/4	2,772.31				
2	2	2	2	2	2	2	4,492.53	2	4,250.10	2	3,998.04	2	3,733.40	2	3,458.04	2	3,125.15	2	2,764.80				
2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	4,486.75	2 1/4	4,244.99	2 1/4	3,992.65	2 1/4	3,727.76	2 1/4	3,452.26	2 1/4	3,117.64	2 1/4	2,757.29				
2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	4,480.97	2 1/2	4,239.88	2 1/2	3,987.25	2 1/2	3,722.12	2 1/2	3,446.48	2 1/2	3,110.14	2 1/2	2,749.78				
2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	4,476.03	2 3/4	4,234.74	2 3/4	3,981.84	2 3/4	3,716.47	2 3/4	3,440.70	2 3/4	3,102.63	2 3/4	2,742.27				
3	3	3	3	3	3	3	4,471.10	3	4,229.61	3	3,976.43	3	3,710.81	3	3,434.91	3	3,095.12	3	2,734.77				
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	4,466.17	3 1/4	4,224.48	3 1/4	3,971.02	3 1/4	3,705.16	3 1/4	3,429.13	3 1/4	3,087.62	3 1/4	2,727.26				
3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	4,461.23	3 1/2	4,219.35	3 1/2	3,965.61	3 1/2	3,699.51	3 1/2	3,423.35	3 1/2	3,080.11	3 1/2	2,719.75				
3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	4,456.28	3 3/4	4,214.19	3 3/4	3,960.17	3 3/4	3,693.83	3 3/4	3,417.39	3 3/4	3,072.60	3 3/4	2,712.24				
4	4	4	4	4	4	4	4,451.33	4	4,209.04	4	3,954.74	4	3,688.16	4	3,411.44	4	3,065.09	4	2,704.73				
4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4,446.38	4 1/4	4,203.89	4 1/4	3,949.30	4 1/4	3,682.49	4 1/4	3,405.48	4 1/4	3,057.59	4 1/4	2,697.22				
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4,441.43	4 1/2	4,198.73	4 1/2	3,943.86	4 1/2	3,676.82	4 1/2	3,399.53	4 1/2	3,050.08	4 1/2	2,689.71				
4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4,436.46	4 3/4	4,193.56	4 3/4	3,938.41	4 3/4	3,671.12	4 3/4	3,393.22	4 3/4	3,042.57	4 3/4	2,682.21				
5	5	5	5	5	5	5	4,431.49	5	4,188.39	5	3,932.96	5	3,665.43	5	3,386.92	5	3,035.07	5	2,674.70				
5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	4,426.52	5 1/4	4,183.21	5 1/4	3,927.51	5 1/4	3,659.73	5 1/4	3,380.61	5 1/4	3,027.56	5 1/4	2,667.19				
5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	4,421.56	5 1/2	4,178.04	5 1/2	3,922.05	5 1/2	3,654.03	5 1/2	3,374.31	5 1/2	3,020.55	5 1/2	2,659.68				
5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	4,416.56	5 3/4	4,172.84	5 3/4	3,916.58	5 3/4	3,648.32	5 3/4	3,367.66	5 3/4	3,012.54	5 3/4	2,652.17				
6	6	6	6	6	6	6	4,411.57	6	4,167.65	6	3,911.11	6	3,642.61	6	3,361.01	6	3,005.04	6	2,644.66				
6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	4,406.58	6 1/4	4,162.45	6 1/4	3,905.64	6 1/4	3,636.90	6 1/4	3,354.35	6 1/4	2,997.53	6 1/4	2,637.16				
6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	4,401.59	6 1/2	4,157.25	6 1/2	3,900.17	6 1/2	3,631.18	6 1/2	3,347.70	6 1/2	2,990.02	6 1/2	2,629.65				
6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	4,396.58	6 3/4	4,152.04	6 3/4	3,894.68	6 3/4	3,625.44	6 3/4	3,340.70	6 3/4	2,982.51	6 3/4	2,622.14				
7	7	7	7	7	7	7	4,391.57	7	4,146.82	7	3,889.18	7	3,619.70	7	3,333.70	7	2,975.01	7	2,614.63				
7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	4,386.56	7 1/4	4,141.61	7 1/4	3,883.69	7 1/4	3,613.97	7 1/4	3,326.70	7 1/4	2,967.50	7 1/4	2,607.12				
7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	4,381.55	7 1/2	4,136.40	7 1/2	3,878.20	7 1/2	3,608.23	7 1/2	3,319.70	7 1/2	2,959.99	7 1/2	2,599.61				
7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	4,376.52	7 3/4	4,131.16	7 3/4	3,872.68	7 3/4	3,602.47	7 3/4	3,312.36	7 3/4	2,952.49	7 3/4	2,592.11				
8	8	8	8	8	8	8	4,371.48	8	4,125.93	8	3,867.17	8	3,596.72	8	3,305.01	8	2,944.98	8	2,584.60				
8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	4,366.45	8 1/4	4,120.70	8 1/4	3,861.66	8 1/4	3,590.96	8 1/4	3,297.66	8 1/4	2,937.66	8 1/4	2,577.09				
8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	4,361.41	8 1/2	4,115.47	8 1/2	3,856.15	8 1/2	3,585.21	8 1/2	3,290.31	8 1/2	2,929.96	8 1/2	2,569.58				
8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	4,356.40	8 3/4	4,110.17	8 3/4	3,850.61	8 3/4	3,579.44	8 3/4	3,282.80	8 3/4	2,922.46	8 3/4	2,562.07				
9	9	9	9	9	9	9	4,351.39	9	4,104.88	9	3,845.07	9	3,573.66	9	3,275.30	9	2,914.95	9	2,554.56				
9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	4,346.37	9 1/4	4,099.59	9 1/4	3,839.54	9 1/4	3,567.89	9 1/4	3,267.79	9 1/4	2,907.44	9 1/4	2,547.06				
9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	4,341.36	9 1/2	4,094.30	9 1/2	3,834.00	9 1/2	3,562.12	9 1/2	3,260.28	9 1/2	2,899.94	9 1/2	2,539.55				
9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	4,336.33	9 3/4	4,088.99	9 3/4	3,828.45	9 3/4	3,556.34	9 3/4	3,252.77	9 3/4	2,892.43	9 3/4	2,532.04				
10	10	10	10	10	10	10	4,331.29	10	4,083.68	10	3,822.89	10	3,550.55	10	3,245.27	10	2,884.92	10	2,524.53				
10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	4,326.26	10 1/4	4,078.36	10 1/4	3,817.34	10 1/4	3,544.77	10 1/4	3,237.76	10 1/4	2,877.41	10 1/4	2,517.02				
10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	4,321.23	10 1/2	4,073.05	10 1/2	3,811.79	10 1/2	3,538.99	10 1/2	3,230.25	10 1/2	2,869.91	10 1/2	2,509.51				
10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	4,316.17	10 3/4	4,067.72	10 3/4	3,806.22	10 3/4	3,533.21	10 3/4	3,222.75	10 3/4	2,862.40	10 3/4	2,502.00				
11	11	11	11	11	11	11	4,311.12	11	4,062.38	11	3,800.64	11	3,527.43	11	3,215.24	11	2,854.89	11	2,494.50				
11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	4,306.06	11 1/4	4,057.05	11 1/4	3,795.07	11 1/4	3,521.64	11 1/4	3,207.73	11 1/4	2,847.39	11 1/4	2,486.99				
11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	4,301.01	11 1/2	4,051.71	11 1/2	3,789.50	11 1/2	3,515.86	11 1/2	3,200.22	11 1/2	2,839.88	11 1/2	2,479.48				
11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	4,295.94	11 3/4	4,046.36	11 3/4	3,783.91	11 3/4	3,510.08	11 3/4	3,192.72	11 3/4	2,832.37	11 3/4	2,471.97				

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 GAUGE POINT: LOCATED 12'-08" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "KIRBY 29009"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS												GAUGE HEIGHT 16"-10 1/2"							
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,464.47	0	2,104.12	0	1,746.69	0	1,388.38	0	1,029.55	0	676.36	0	319.68	0					
1/4	2,456.96	1/4	2,096.61	1/4	1,739.25	1/4	1,378.87	1/4	1,022.18	1/4	669.02	1/4	312.17	1/4					
1/2	2,449.46	1/2	2,088.16	1/2	1,731.81	1/2	1,371.36	1/2	1,014.82	1/2	661.47	1/2	304.66	1/2					
3/4	2,441.95	3/4	2,080.66	3/4	1,724.30	3/4	1,363.85	3/4	1,007.45	3/4	654.33	3/4	297.15	3/4					
1	2,434.45	1	2,074.21	1	1,716.79	1	1,356.34	1	1,000.09	1	646.99	1	289.64	1					
1 1/4	2,426.95	1 1/4	2,066.77	1 1/4	1,709.28	1 1/4	1,348.83	1 1/4	992.72	1 1/4	639.65	1 1/4	282.13	1 1/4					
1 1/2	2,419.44	1 1/2	2,059.32	1 1/2	1,701.77	1 1/2	1,341.31	1 1/2	985.35	1 1/2	632.31	1 1/2	274.62	1 1/2					
1 3/4	2,411.94	1 3/4	2,051.88	1 3/4	1,694.26	1 3/4	1,333.81	1 3/4	977.99	1 3/4	624.97	1 3/4	267.11	1 3/4					
2	2,404.43	2	2,044.44	2	1,686.75	2	1,326.30	2	970.62	2	617.63	2	259.60	2					
2 1/4	2,396.93	2 1/4	2,036.99	2 1/4	1,679.24	2 1/4	1,318.79	2 1/4	963.26	2 1/4	610.29	2 1/4	252.09	2 1/4					
2 1/2	2,389.42	2 1/2	2,029.55	2 1/2	1,671.73	2 1/2	1,311.29	2 1/2	955.89	2 1/2	602.94	2 1/2	244.58	2 1/2					
2 3/4	2,381.92	2 3/4	2,022.11	2 3/4	1,664.22	2 3/4	1,303.78	2 3/4	948.52	2 3/4	595.60	2 3/4	237.07	2 3/4					
3	2,374.41	3	2,014.66	3	1,656.71	3	1,296.27	3	941.16	3	588.26	3	229.56	3					
3 1/4	2,366.91	3 1/4	2,007.22	3 1/4	1,649.20	3 1/4	1,288.76	3 1/4	933.79	3 1/4	580.92	3 1/4	222.05	3 1/4					
3 1/2	2,359.40	3 1/2	1,999.78	3 1/2	1,641.69	3 1/2	1,281.25	3 1/2	926.43	3 1/2	573.58	3 1/2	214.54	3 1/2					
3 3/4	2,351.90	3 3/4	1,992.33	3 3/4	1,634.18	3 3/4	1,273.74	3 3/4	919.06	3 3/4	566.22	3 3/4	207.02	3 3/4					
4	2,344.39	4	1,984.89	4	1,626.68	4	1,266.23	4	911.69	4	558.87	4	199.49	4					
4 1/4	2,336.89	4 1/4	1,977.44	4 1/4	1,619.17	4 1/4	1,258.72	4 1/4	904.33	4 1/4	551.52	4 1/4	191.97	4 1/4					
4 1/2	2,329.38	4 1/2	1,970.00	4 1/2	1,611.66	4 1/2	1,251.21	4 1/2	896.96	4 1/2	544.16	4 1/2	184.45	4 1/2					
4 3/4	2,321.88	4 3/4	1,962.56	4 3/4	1,604.15	4 3/4	1,243.70	4 3/4	889.60	4 3/4	536.79	4 3/4	176.93	4 3/4					
5	2,314.37	5	1,955.11	5	1,596.64	5	1,236.19	5	882.23	5	529.42	5	169.41	5					
5 1/4	2,306.87	5 1/4	1,947.67	5 1/4	1,589.13	5 1/4	1,228.68	5 1/4	874.86	5 1/4	522.05	5 1/4	161.88	5 1/4					
5 1/2	2,299.36	5 1/2	1,940.23	5 1/2	1,581.62	5 1/2	1,221.17	5 1/2	867.50	5 1/2	514.68	5 1/2	154.36	5 1/2					
5 3/4	2,291.85	5 3/4	1,932.78	5 3/4	1,574.11	5 3/4	1,213.80	5 3/4	860.13	5 3/4	507.24	5 3/4	146.84	5 3/4					
6	2,284.34	6	1,925.34	6	1,566.60	6	1,206.43	6	852.75	6	499.80	6	139.32	6					
6 1/4	2,276.83	6 1/4	1,917.90	6 1/4	1,559.09	6 1/4	1,199.06	6 1/4	845.38	6 1/4	492.35	6 1/4	131.80	6 1/4					
6 1/2	2,269.32	6 1/2	1,910.45	6 1/2	1,551.58	6 1/2	1,191.68	6 1/2	838.01	6 1/2	484.91	6 1/2	124.27	6 1/2					
6 3/4	2,261.81	6 3/4	1,903.01	6 3/4	1,544.07	6 3/4	1,184.31	6 3/4	830.64	6 3/4	477.40	6 3/4	116.75	6 3/4					
7	2,254.31	7	1,895.57	7	1,536.56	7	1,176.94	7	823.27	7	469.89	7	109.23	7					
7 1/4	2,246.80	7 1/4	1,888.12	7 1/4	1,529.05	7 1/4	1,169.56	7 1/4	815.90	7 1/4	462.38	7 1/4	101.71	7 1/4					
7 1/2	2,239.29	7 1/2	1,880.68	7 1/2	1,521.54	7 1/2	1,162.19	7 1/2	808.53	7 1/2	454.87	7 1/2	94.19	7 1/2					
7 3/4	2,231.78	7 3/4	1,873.23	7 3/4	1,514.04	7 3/4	1,154.82	7 3/4	801.18	7 3/4	447.36	7 3/4	86.66	7 3/4					
8	2,224.27	8	1,865.79	8	1,506.53	8	1,147.45	8	793.83	8	439.85	8	79.14	8					
8 1/4	2,216.76	8 1/4	1,858.35	8 1/4	1,499.02	8 1/4	1,140.07	8 1/4	786.47	8 1/4	432.34	8 1/4	71.62	8 1/4					
8 1/2	2,209.25	8 1/2	1,850.90	8 1/2	1,491.51	8 1/2	1,132.70	8 1/2	779.12	8 1/2	424.83	8 1/2	64.10	8 1/2					
8 3/4	2,201.74	8 3/4	1,843.46	8 3/4	1,484.00	8 3/4	1,125.33	8 3/4	771.78	8 3/4	417.32	8 3/4	57.30	8 3/4					
9	2,194.23	9	1,836.02	9	1,476.49	9	1,117.96	9	764.44	9	409.81	9	50.50	9					
9 1/4	2,186.72	9 1/4	1,828.57	9 1/4	1,468.98	9 1/4	1,110.58	9 1/4	757.10	9 1/4	402.30	9 1/4	43.70	9 1/4					
9 1/2	2,179.21	9 1/2	1,821.13	9 1/2	1,461.47	9 1/2	1,103.21	9 1/2	749.76	9 1/2	394.79	9 1/2	36.90	9 1/2					
9 3/4	2,171.70	9 3/4	1,813.69	9 3/4	1,453.96	9 3/4	1,095.84	9 3/4	742.42	9 3/4	387.28	9 3/4	31.84	9 3/4					
10	2,164.19	10	1,806.24	10	1,446.45	10	1,088.48	10	735.08	10	379.77	10	26.77	10					
10 1/4	2,156.68	10 1/4	1,798.80	10 1/4	1,438.94	10 1/4	1,081.11	10 1/4	727.74	10 1/4	372.26	10 1/4	21.71	10 1/4					
10 1/2	2,149.17	10 1/2	1,791.35	10 1/2	1,431.43	10 1/2	1,073.75	10 1/2	720.40	10 1/2	364.75	10 1/2	16.65	10 1/2					
10 3/4	2,141.66	10 3/4	1,783.91	10 3/4	1,423.92	10 3/4	1,066.38	10 3/4	713.06	10 3/4	357.24	10 3/4		10 3/4					
11	2,134.16	11	1,776.47	11	1,416.42	11	1,059.01	11	705.72	11	349.72	11		11					
11 1/4	2,126.65	11 1/4	1,769.02	11 1/4	1,408.91	11 1/4	1,051.65	11 1/4	698.38	11 1/4	342.21	11 1/4		11 1/4					
11 1/2	2,119.14	11 1/2	1,761.58	11 1/2	1,401.40	11 1/2	1,044.28	11 1/2	691.04	11 1/2	334.70	11 1/2		11 1/2					
11 3/4	2,111.63	11 3/4	1,754.14	11 3/4	1,393.89	11 3/4	1,036.92	11 3/4	683.70	11 3/4	327.19	11 3/4		11 3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2001 CL-SW  
COMPUTED: 05/22/2001 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2001

PRECISION MEASUREMENT

& ANALYSIS, INC.

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