



BARGE "KIRBY 29036"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 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	01-1/4	- 01-1/4	01-1/2	- 01-1/2
3 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-1/2	- 00-1/2
3 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-00"

February 14, 2011

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
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<http://www.pmacorp.net>



BARGE "KIRBY 29036"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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		
							4,302.84		3,971.83		3,640.82		3,309.81		2,978.79		2,647.78		2,316.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,295.95	1/4	3,964.94	1/4	3,633.92	1/4	3,302.91	1/4	2,971.90	1/4	2,640.88	1/4	2,309.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,289.05	1/2	3,958.04	1/2	3,627.03	1/2	3,296.01	1/2	2,965.00	1/2	2,633.99	1/2	2,302.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,282.16	3/4	3,951.14	3/4	3,620.13	3/4	3,289.12	3/4	2,958.11	3/4	2,627.09	3/4	2,296.08		
1	1	1	1	1	1	1	4,275.26	1	3,944.25	1	3,613.23	1	3,282.22	1	2,951.21	1	2,620.20	1	2,289.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,268.36	1/4	3,937.35	1/4	3,606.34	1/4	3,275.33	1/4	2,944.31	1/4	2,613.30	1/4	2,282.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,261.47	1/2	3,930.46	1/2	3,599.44	1/2	3,268.43	1/2	2,937.42	1/2	2,606.40	1/2	2,275.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,254.57	3/4	3,923.56	3/4	3,592.55	3/4	3,261.53	3/4	2,930.52	3/4	2,599.51	3/4	2,268.50		
2	2	2	2	2	2	2	4,247.68	2	3,916.66	2	3,585.65	2	3,254.64	2	2,923.62	2	2,592.61	2	2,261.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,240.78	1/4	3,909.77	1/4	3,578.75	1/4	3,247.74	1/4	2,916.73	1/4	2,585.72	1/4	2,254.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,233.88	1/2	3,902.87	1/2	3,571.86	1/2	3,240.85	1/2	2,909.83	1/2	2,578.82	1/2	2,247.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,226.99	3/4	3,895.97	3/4	3,564.96	3/4	3,233.95	3/4	2,902.94	3/4	2,571.92	3/4	2,240.91		
3	3	3	3	3	3	3	4,220.09	3	3,889.08	3	3,558.07	3	3,227.05	3	2,896.04	3	2,565.03	3	2,234.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,213.20	1/4	3,882.18	1/4	3,551.17	1/4	3,220.16	1/4	2,889.14	1/4	2,558.13	1/4	2,227.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,206.30	1/2	3,875.29	1/2	3,544.27	1/2	3,213.26	1/2	2,882.25	1/2	2,551.24	1/2	2,220.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,199.40	3/4	3,868.39	3/4	3,537.38	3/4	3,206.36	3/4	2,875.35	3/4	2,544.34	3/4	2,213.33		
4	4	4	4	4	4	4	4,192.51	4	3,861.49	4	3,530.48	4	3,199.47	4	2,868.46	4	2,537.44	4	2,206.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,185.61	1/4	3,854.60	1/4	3,523.59	1/4	3,192.57	1/4	2,861.56	1/4	2,530.55	1/4	2,199.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,178.72	1/2	3,847.70	1/2	3,516.69	1/2	3,185.68	1/2	2,854.66	1/2	2,523.65	1/2	2,192.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,171.82	3/4	3,840.81	3/4	3,509.79	3/4	3,178.78	3/4	2,847.77	3/4	2,516.75	3/4	2,185.74		
5	5	5	5	5	5	5	4,164.92	5	3,833.91	5	3,502.90	5	3,171.88	5	2,840.87	5	2,509.86	5	2,178.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,158.03	1/4	3,827.01	1/4	3,496.00	1/4	3,164.99	1/4	2,833.98	1/4	2,502.96	1/4	2,171.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,151.13	1/2	3,820.12	1/2	3,489.11	1/2	3,158.09	1/2	2,827.08	1/2	2,496.07	1/2	2,165.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,144.23	3/4	3,813.22	3/4	3,482.21	3/4	3,151.20	3/4	2,820.18	3/4	2,489.17	3/4	2,158.16		
6	6	6	6	6	6	6	4,137.34	6	3,806.33	6	3,475.31	6	3,144.30	6	2,813.29	6	2,482.27	6	2,151.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,130.44	1/4	3,799.43	1/4	3,468.42	1/4	3,137.40	1/4	2,806.39	1/4	2,475.38	1/4	2,144.37		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,436.74	1/2	4,123.55	1/2	3,792.53	1/2	3,461.52	1/2	2,799.50	1/2	2,468.48	1/2	2,137.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,433.00	3/4	4,116.65	3/4	3,785.64	3/4	3,454.62	3/4	2,792.60	3/4	2,461.59	3/4	2,130.57		
7	7	7	7	7	7	7	4,429.27	7	4,109.75	7	3,778.74	7	3,447.73	7	3,116.72	7	2,785.70	7	2,454.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,424.38	1/4	4,102.86	1/4	3,771.85	1/4	3,440.83	1/4	3,109.82	1/4	2,778.81	1/4	2,447.79	1/4	2,146.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,419.50	1/2	4,095.96	1/2	3,764.95	1/2	3,433.94	1/2	3,102.92	1/2	2,771.91	1/2	2,440.90	1/2	2,109.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,414.61	3/4	4,089.07	3/4	3,758.05	3/4	3,427.04	3/4	3,096.03	3/4	2,765.01	3/4	2,434.00	3/4	2,102.99
8	8	8	8	8	8	8	4,409.73	8	4,082.17	8	3,751.16	8	3,420.14	8	3,089.13	8	2,758.12	8	2,427.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,403.70	1/4	4,075.27	1/4	3,744.26	1/4	3,413.25	1/4	3,082.24	1/4	2,751.22	1/4	2,420.21	1/4	2,089.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,397.66	1/2	4,068.38	1/2	3,737.36	1/2	3,406.35	1/2	3,075.34	1/2	2,744.33	1/2	2,413.31	1/2	2,082.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,391.63	3/4	4,061.48	3/4	3,730.47	3/4	3,399.46	3/4	3,068.44	3/4	2,737.43	3/4	2,406.42	3/4	2,075.40
9	9	9	9	9	9	9	4,385.60	9	4,054.59	9	3,723.57	9	3,392.56	9	3,061.55	9	2,730.53	9	2,399.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,378.70	1/4	4,047.69	1/4	3,716.68	1/4	3,385.66	1/4	3,054.65	1/4	2,723.64	1/4	2,392.63	1/4	2,061.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,371.81	1/2	4,040.79	1/2	3,709.78	1/2	3,378.77	1/2	3,047.75	1/2	2,716.74	1/2	2,385.73	1/2	2,054.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,364.91	3/4	4,033.90	3/4	3,702.88	3/4	3,371.87	3/4	3,040.86	3/4	2,709.85	3/4	2,378.83	3/4	2,047.82
10	10	10	10	10	10	10	4,358.01	10	4,027.00	10	3,695.99	10	3,364.98	10	3,033.96	10	2,702.95	10	2,371.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,351.12	1/4	4,020.10	1/4	3,689.09	1/4	3,358.08	1/4	3,027.07	1/4	2,696.05	1/4	2,365.04	1/4	2,034.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,344.22	1/2	4,013.21	1/2	3,682.20	1/2	3,351.18	1/2	3,020.17	1/2	2,689.16	1/2	2,358.14	1/2	2,027.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,337.33	3/4	4,006.31	3/4	3,675.30	3/4	3,344.29	3/4	3,013.27	3/4	2,682.26	3/4	2,351.25	3/4	2,020.24
11	11	11	11	11	11	11	4,330.43	11	3,999.42	11	3,668.40	11	3,337.39	11	3,006.38	11	2,675.37	11	2,344.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,323.53	1/4	3,992.52	1/4	3,661.51	1/4	3,330.49	1/4	2,999.48	1/4	2,668.47	1/4	2,337.46	1/4	2,006.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,316.64	1/2	3,985.62	1/2	3,654.61	1/2	3,323.60	1/2	2,992.59	1/2	2,661.57	1/2	2,330.56	1/2	1,999.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,309.74	3/4	3,978.73	3/4	3,647.72	3/4	3,316.70	3/4	2,985.69	3/4	2,654.68	3/4	2,323.66	3/4	1,992.65

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-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 29036"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	1,985.76	0	1,654.74	0	1,323.73	0	992.72	0	672.54	0	376.75	0	105.82	0		0		0	
1/4	1,978.86	1/4	1,647.85	1/4	1,316.83	1/4	985.83	1/4	666.14	1/4	370.87	1/4	100.46	1/4	1/4	1/4		1/4	
1/2	1,971.96	1/2	1,640.95	1/2	1,309.94	1/2	978.95	1/2	659.74	1/2	364.99	1/2	95.09	1/2	1/2	1/2		1/2	
3/4	1,965.07	3/4	1,634.05	3/4	1,303.04	3/4	972.07	3/4	653.34	3/4	359.11	3/4	89.73	3/4	3/4	3/4		3/4	
1	1,958.17	1	1,627.16	1	1,296.15	1	965.18	1	646.94	1	353.23	1	84.37	1	1	1		1	
1/4	1,951.27	1/4	1,620.26	1/4	1,289.25	1/4	958.32	1/4	640.59	1/4	347.39	1/4	79.04	1/4	1/4	1/4		1/4	
1/2	1,944.38	1/2	1,613.37	1/2	1,282.35	1/2	951.46	1/2	634.23	1/2	341.55	1/2	73.72	1/2	1/2	1/2		1/2	
3/4	1,937.48	3/4	1,606.47	3/4	1,275.46	3/4	944.59	3/4	627.87	3/4	335.71	3/4	68.40	3/4	3/4	3/4		3/4	
2	1,930.59	2	1,599.57	2	1,268.56	2	937.73	2	621.52	2	329.87	2	63.08	2	2	2		2	
1/4	1,923.69	1/4	1,592.68	1/4	1,261.66	1/4	930.91	1/4	615.20	1/4	324.08	1/4	57.80	1/4	1/4	1/4		1/4	
1/2	1,916.79	1/2	1,585.78	1/2	1,254.77	1/2	924.09	1/2	608.89	1/2	318.28	1/2	52.53	1/2	1/2	1/2		1/2	
3/4	1,909.90	3/4	1,578.89	3/4	1,247.87	3/4	917.27	3/4	602.58	3/4	312.49	3/4	47.25	3/4	3/4	3/4		3/4	
3	1,903.00	3	1,571.99	3	1,240.98	3	910.46	3	596.26	3	306.69	3	41.97	3	3	3		3	
1/4	1,896.11	1/4	1,565.09	1/4	1,234.08	1/4	903.68	1/4	589.99	1/4	300.94	1/4	37.60	1/4	1/4	1/4		1/4	
1/2	1,889.21	1/2	1,558.20	1/2	1,227.18	1/2	896.90	1/2	583.72	1/2	295.19	1/2	33.23	1/2	1/2	1/2		1/2	
3/4	1,882.31	3/4	1,551.30	3/4	1,220.29	3/4	890.13	3/4	577.45	3/4	289.43	3/4	28.85	3/4	3/4	3/4		3/4	
4	1,875.42	4	1,544.40	4	1,213.39	4	883.35	4	571.18	4	283.68	4	24.48	4	4	4		4	
1/4	1,868.52	1/4	1,537.51	1/4	1,206.50	1/4	876.62	1/4	564.96	1/4	277.97	1/4	21.88	1/4	1/4	1/4		1/4	
1/2	1,861.63	1/2	1,530.61	1/2	1,199.60	1/2	869.89	1/2	558.73	1/2	272.26	1/2	19.27	1/2	1/2	1/2		1/2	
3/4	1,854.73	3/4	1,523.72	3/4	1,192.70	3/4	863.15	3/4	552.50	3/4	266.55	3/4	16.67	3/4	3/4	3/4		3/4	
5	1,847.83	5	1,516.82	5	1,185.81	5	856.42	5	546.28	5	260.84	5	14.06	5	5	5		5	
1/4	1,840.94	1/4	1,509.92	1/4	1,178.91	1/4	849.73	1/4	540.09	1/4	255.18	1/4		1/4	1/4	1/4		1/4	
1/2	1,834.04	1/2	1,503.03	1/2	1,172.02	1/2	843.04	1/2	533.91	1/2	249.51	1/2		1/2	1/2	1/2		1/2	
3/4	1,827.14	3/4	1,496.13	3/4	1,165.12	3/4	836.35	3/4	527.72	3/4	243.85	3/4		3/4	3/4	3/4		3/4	
6	1,820.25	6	1,489.24	6	1,158.22	6	829.66	6	521.54	6	238.18	6		6	6	6		6	
1/4	1,813.35	1/4	1,482.34	1/4	1,151.33	1/4	823.01	1/4	515.40	1/4	232.56	1/4		1/4	1/4	1/4		1/4	
1/2	1,806.46	1/2	1,475.44	1/2	1,144.43	1/2	816.37	1/2	509.26	1/2	226.93	1/2		1/2	1/2	1/2		1/2	
3/4	1,799.56	3/4	1,468.55	3/4	1,137.53	3/4	809.72	3/4	503.12	3/4	221.31	3/4		3/4	3/4	3/4		3/4	
7	1,792.66	7	1,461.65	7	1,130.64	7	803.07	7	496.98	7	215.69	7		7	7	7		7	
1/4	1,785.77	1/4	1,454.76	1/4	1,123.74	1/4	796.47	1/4	490.88	1/4	210.11	1/4		1/4	1/4	1/4		1/4	
1/2	1,778.87	1/2	1,447.86	1/2	1,116.85	1/2	789.87	1/2	484.78	1/2	204.53	1/2		1/2	1/2	1/2		1/2	
3/4	1,771.98	3/4	1,440.96	3/4	1,109.95	3/4	783.26	3/4	478.68	3/4	198.95	3/4		3/4	3/4	3/4		3/4	
8	1,765.08	8	1,434.07	8	1,103.05	8	776.66	8	472.59	8	193.37	8		8	8	8		8	
1/4	1,758.18	1/4	1,427.17	1/4	1,096.16	1/4	770.09	1/4	466.53	1/4	187.83	1/4		1/4	1/4	1/4		1/4	
1/2	1,751.29	1/2	1,420.28	1/2	1,089.26	1/2	763.52	1/2	460.48	1/2	182.30	1/2		1/2	1/2	1/2		1/2	
3/4	1,744.39	3/4	1,413.38	3/4	1,082.37	3/4	756.94	3/4	454.42	3/4	176.76	3/4		3/4	3/4	3/4		3/4	
9	1,737.50	9	1,406.48	9	1,075.47	9	750.37	9	448.37	9	171.22	9		9	9	9		9	
1/4	1,730.60	1/4	1,399.59	1/4	1,068.57	1/4	743.84	1/4	442.36	1/4	165.73	1/4		1/4	1/4	1/4		1/4	
1/2	1,723.70	1/2	1,392.69	1/2	1,061.68	1/2	737.31	1/2	436.35	1/2	160.24	1/2		1/2	1/2	1/2		1/2	
3/4	1,716.81	3/4	1,385.79	3/4	1,054.78	3/4	730.79	3/4	430.34	3/4	154.74	3/4		3/4	3/4	3/4		3/4	
10	1,709.91	10	1,378.90	10	1,047.89	10	724.26	10	424.33	10	149.25	10		10	10	10		10	
1/4	1,703.02	1/4	1,372.00	1/4	1,040.99	1/4	717.77	1/4	418.36	1/4	143.80	1/4		1/4	1/4	1/4		1/4	
1/2	1,696.12	1/2	1,365.11	1/2	1,034.09	1/2	711.28	1/2	412.39	1/2	138.35	1/2		1/2	1/2	1/2		1/2	
3/4	1,689.22	3/4	1,358.21	3/4	1,027.20	3/4	704.80	3/4	406.42	3/4	132.90	3/4		3/4	3/4	3/4		3/4	
11	1,682.33	11	1,351.31	11	1,020.30	11	698.31	11	400.45	11	127.45	11		11	11	11		11	
1/4	1,675.43	1/4	1,344.42	1/4	1,013.41	1/4	691.87	1/4	394.53	1/4	122.04	1/4		1/4	1/4	1/4		1/4	
1/2	1,668.53	1/2	1,337.52	1/2	1,006.51	1/2	685.43	1/2	388.60	1/2	116.64	1/2		1/2	1/2	1/2		1/2	
3/4	1,661.64	3/4	1,330.63	3/4	999.61	3/4	678.98	3/4	382.68	3/4	111.23	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/14/2011 CL - SW
CALCULATED: 02/14/2011 CL
PRINTED: 02/14/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29036"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,292.97	0	3,962.04	0	3,631.12	0	3,300.19	0	2,969.26	0	2,638.34	0	2,307.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,286.07	1/4	3,955.15	1/4	3,624.22	1/4	3,293.29	1/4	2,962.37	1/4	2,631.44	1/4	2,300.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,279.18	1/2	3,948.25	1/2	3,617.33	1/2	3,286.40	1/2	2,955.47	1/2	2,624.55	1/2	2,293.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,272.28	3/4	3,941.36	3/4	3,610.43	3/4	3,279.51	3/4	2,948.58	3/4	2,617.65	3/4	2,286.73		
1		1		1		1	4,265.39	1	3,934.46	1	3,603.54	1	3,272.61	1	2,941.69	1	2,610.76	1	2,279.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,258.50	1/4	3,927.57	1/4	3,596.64	1/4	3,265.72	1/4	2,934.79	1/4	2,603.86	1/4	2,272.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,251.60	1/2	3,920.68	1/2	3,589.75	1/2	3,258.82	1/2	2,927.90	1/2	2,596.97	1/2	2,266.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,244.71	3/4	3,913.78	3/4	3,582.85	3/4	3,251.93	3/4	2,921.00	3/4	2,590.08	3/4	2,259.15		
2		2		2		2	4,237.81	2	3,906.89	2	3,575.96	2	3,245.03	2	2,914.11	2	2,583.18	2	2,252.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,230.92	1/4	3,899.99	1/4	3,569.07	1/4	3,238.14	1/4	2,907.21	1/4	2,576.29	1/4	2,245.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,224.02	1/2	3,893.10	1/2	3,562.17	1/2	3,231.25	1/2	2,900.32	1/2	2,569.39	1/2	2,238.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,217.13	3/4	3,886.20	3/4	3,555.28	3/4	3,224.35	3/4	2,893.42	3/4	2,562.50	3/4	2,231.57		
3		3		3		3	4,210.24	3	3,879.31	3	3,548.38	3	3,217.46	3	2,886.53	3	2,555.60	3	2,224.68		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,203.34	1/4	3,872.42	1/4	3,541.49	1/4	3,210.56	1/4	2,879.64	1/4	2,548.71	1/4	2,217.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,196.45	1/2	3,865.52	1/2	3,534.59	1/2	3,203.67	1/2	2,872.74	1/2	2,541.82	1/2	2,210.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,189.55	3/4	3,858.63	3/4	3,527.70	3/4	3,196.77	3/4	2,865.85	3/4	2,534.92	3/4	2,203.99		
4		4		4		4	4,182.66	4	3,851.73	4	3,520.81	4	3,189.88	4	2,858.95	4	2,528.03	4	2,197.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,175.76	1/4	3,844.84	1/4	3,513.91	1/4	3,182.99	1/4	2,852.06	1/4	2,521.13	1/4	2,190.21		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,168.87	1/2	3,837.94	1/2	3,507.02	1/2	3,176.09	1/2	2,845.16	1/2	2,514.24	1/2	2,183.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,161.98	3/4	3,831.05	3/4	3,500.12	3/4	3,169.20	3/4	2,838.27	3/4	2,507.34	3/4	2,176.42		
5		5		5		5	4,155.08	5	3,824.16	5	3,493.23	5	3,162.30	5	2,831.38	5	2,500.45	5	2,169.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,148.19	1/4	3,817.26	1/4	3,486.33	1/4	3,155.41	1/4	2,824.48	1/4	2,493.56	1/4	2,162.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,141.29	1/2	3,810.37	1/2	3,479.44	1/2	3,148.51	1/2	2,817.59	1/2	2,486.66	1/2	2,155.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,134.40	3/4	3,803.47	3/4	3,472.55	3/4	3,141.62	3/4	2,810.69	3/4	2,479.77	3/4	2,148.84		
6		6		6		6	4,127.50	6	3,796.58	6	3,465.65	6	3,134.73	6	2,803.80	6	2,472.87	6	2,141.95		
1/4	1/4	1/4	4,433.70	1/4	4,120.61	1/4	3,789.68	1/4	3,458.76	1/4	3,127.83	1/4	2,796.90	1/4	2,465.98	1/4	2,135.05				
1/2	1/2	1/2	4,429.97	1/2	4,113.72	1/2	3,782.79	1/2	3,451.86	1/2	3,120.94	1/2	2,790.01	1/2	2,459.08	1/2	2,128.16				
3/4	3/4	3/4	4,426.23	3/4	4,106.82	3/4	3,775.90	3/4	3,444.97	3/4	3,114.04	3/4	2,783.12	3/4	2,452.19	3/4	2,121.26				
7		7		7		7	4,421.35	7	4,099.93	7	3,769.00	7	3,438.07	7	3,107.15	7	2,776.22	7	2,445.30	7	2,114.37
1/4	1/4	1/4	4,416.47	1/4	4,093.03	1/4	3,762.11	1/4	3,431.18	1/4	3,100.25	1/4	2,769.33	1/4	2,438.40	1/4	2,107.47				
1/2	1/2	1/2	4,411.58	1/2	4,086.14	1/2	3,755.21	1/2	3,424.29	1/2	3,093.36	1/2	2,762.43	1/2	2,431.51	1/2	2,100.58				
3/4	3/4	3/4	4,406.70	3/4	4,079.24	3/4	3,748.32	3/4	3,417.39	3/4	3,086.47	3/4	2,755.54	3/4	2,424.61	3/4	2,093.69				
8		8		8		8	4,400.67	8	4,072.35	8	3,741.42	8	3,410.50	8	3,079.57	8	2,748.64	8	2,417.72	8	2,086.79
1/4	1/4	1/4	4,394.65	1/4	4,065.46	1/4	3,734.53	1/4	3,403.60	1/4	3,072.68	1/4	2,741.75	1/4	2,410.82	1/4	2,079.90				
1/2	1/2	1/2	4,388.62	1/2	4,058.56	1/2	3,727.64	1/2	3,396.71	1/2	3,065.78	1/2	2,734.86	1/2	2,403.93	1/2	2,073.00				
3/4	3/4	3/4	4,382.59	3/4	4,051.67	3/4	3,720.74	3/4	3,389.81	3/4	3,058.89	3/4	2,727.96	3/4	2,397.04	3/4	2,066.11				
9		9		9		9	4,375.70	9	4,044.77	9	3,713.85	9	3,382.92	9	3,051.99	9	2,721.07	9	2,390.14	9	2,059.21
1/4	1/4	1/4	4,368.81	1/4	4,037.88	1/4	3,706.95	1/4	3,376.03	1/4	3,045.10	1/4	2,714.17	1/4	2,383.25	1/4	2,052.32				
1/2	1/2	1/2	4,361.91	1/2	4,030.98	1/2	3,700.06	1/2	3,369.13	1/2	3,038.21	1/2	2,707.28	1/2	2,376.35	1/2	2,045.43				
3/4	3/4	3/4	4,355.02	3/4	4,024.09	3/4	3,693.16	3/4	3,362.24	3/4	3,031.31	3/4	2,700.38	3/4	2,369.46	3/4	2,038.53				
10		10		10		10	4,348.12	10	4,017.20	10	3,686.27	10	3,355.34	10	3,024.42	10	2,693.49	10	2,362.56	10	2,031.64
1/4	1/4	1/4	4,341.23	1/4	4,010.30	1/4	3,679.38	1/4	3,348.45	1/4	3,017.52	1/4	2,686.60	1/4	2,355.67	1/4	2,024.74				
1/2	1/2	1/2	4,334.33	1/2	4,003.41	1/2	3,672.48	1/2	3,341.55	1/2	3,010.63	1/2	2,679.70	1/2	2,348.78	1/2	2,017.85				
3/4	3/4	3/4	4,327.44	3/4	3,996.51	3/4	3,665.59	3/4	3,334.66	3/4	3,003.73	3/4	2,672.81	3/4	2,341.88	3/4	2,010.95				
11		11		11		11	4,320.55	11	3,989.62	11	3,658.69	11	3,327.77	11	2,996.84	11	2,665.91	11	2,334.99	11	2,004.06
1/4	1/4	1/4	4,313.65	1/4	3,982.72	1/4	3,651.80	1/4	3,320.87	1/4	3,320.87	1/4	2,989.95	1/4	2,659.02	1/4	2,328.09	1/4	1,997.17		
1/2	1/2	1/2	4,306.76	1/2	3,975.83	1/2	3,644.90	1/2	3,313.98	1/2	3,313.98	1/2	2,983.05	1/2	2,652.12	1/2	2,321.20	1/2	1,990.27		
3/4	3/4	3/4	4,299.86	3/4	3,968.94	3/4	3,638.01	3/4	3,307.08	3/4	3,307.08	3/4	2,976.16	3/4	2,645.23	3/4	2,314.30	3/4	1,983.38		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29036"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,976.48	0	1,645.56	0	1,314.63	0	983.90	0	665.92	0	370.74	0	100.43	0		0		0	
1/4	1,969.59	1/4	1,638.66	1/4	1,307.74	1/4	977.06	1/4	659.52	1/4	364.86	1/4	95.06	1/4	1/4	1/4		1/4	
1/2	1,962.69	1/2	1,631.77	1/2	1,300.84	1/2	970.21	1/2	653.13	1/2	358.98	1/2	89.70	1/2	1/2	1/2		1/2	
3/4	1,955.80	3/4	1,624.87	3/4	1,293.95	3/4	963.37	3/4	646.73	3/4	353.10	3/4	84.34	3/4	3/4	3/4		3/4	
1	1,948.91	1	1,617.98	1	1,287.05	1	956.55	1	640.37	1	347.27	1	79.02	1	1	1		1	
1/4	1,942.01	1/4	1,611.09	1/4	1,280.16	1/4	949.72	1/4	634.02	1/4	341.43	1/4	73.70	1/4	1/4	1/4		1/4	
1/2	1,935.12	1/2	1,604.19	1/2	1,273.26	1/2	942.90	1/2	627.67	1/2	335.59	1/2	68.38	1/2	1/2	1/2		1/2	
3/4	1,928.22	3/4	1,597.30	3/4	1,266.37	3/4	936.08	3/4	621.31	3/4	329.76	3/4	63.06	3/4	3/4	3/4		3/4	
2	1,921.33	2	1,590.40	2	1,259.48	2	929.30	2	615.00	2	323.96	2	57.79	2	2	2		2	
1/4	1,914.43	1/4	1,583.51	1/4	1,252.58	1/4	922.52	1/4	608.69	1/4	318.17	1/4	52.51	1/4	1/4	1/4		1/4	
1/2	1,907.54	1/2	1,576.61	1/2	1,245.69	1/2	915.74	1/2	602.38	1/2	312.38	1/2	47.24	1/2	1/2	1/2		1/2	
3/4	1,900.65	3/4	1,569.72	3/4	1,238.79	3/4	908.96	3/4	596.07	3/4	306.58	3/4	41.96	3/4	3/4	3/4		3/4	
3	1,893.75	3	1,562.83	3	1,231.90	3	902.23	3	589.80	3	300.83	3	37.59	3	3	3		3	
1/4	1,886.86	1/4	1,555.93	1/4	1,225.00	1/4	895.49	1/4	583.53	1/4	295.08	1/4	33.22	1/4	1/4	1/4		1/4	
1/2	1,879.96	1/2	1,549.04	1/2	1,218.11	1/2	888.76	1/2	577.26	1/2	289.33	1/2	28.85	1/2	1/2	1/2		1/2	
3/4	1,873.07	3/4	1,542.14	3/4	1,211.22	3/4	882.02	3/4	570.99	3/4	283.58	3/4	24.48	3/4	3/4	3/4		3/4	
4	1,866.17	4	1,535.25	4	1,204.32	4	875.33	4	564.77	4	277.88	4	21.87	4	4	4		4	
1/4	1,859.28	1/4	1,528.35	1/4	1,197.43	1/4	868.64	1/4	558.54	1/4	272.17	1/4	19.27	1/4	1/4	1/4		1/4	
1/2	1,852.39	1/2	1,521.46	1/2	1,190.53	1/2	861.94	1/2	552.32	1/2	266.46	1/2	16.67	1/2	1/2	1/2		1/2	
3/4	1,845.49	3/4	1,514.56	3/4	1,183.64	3/4	855.25	3/4	546.09	3/4	260.75	3/4	14.06	3/4	3/4	3/4		3/4	
5	1,838.60	5	1,507.67	5	1,176.74	5	848.60	5	539.91	5	255.09	5		5	5	5		5	
1/4	1,831.70	1/4	1,500.78	1/4	1,169.85	1/4	841.95	1/4	533.73	1/4	249.43	1/4		1/4	1/4	1/4		1/4	
1/2	1,824.81	1/2	1,493.88	1/2	1,162.96	1/2	835.30	1/2	527.55	1/2	243.76	1/2		1/2	1/2	1/2		1/2	
3/4	1,817.91	3/4	1,486.99	3/4	1,156.06	3/4	828.65	3/4	521.36	3/4	238.10	3/4		3/4	3/4	3/4		3/4	
6	1,811.02	6	1,480.09	6	1,149.17	6	822.05	6	515.23	6	232.48	6		6	6	6		6	
1/4	1,804.13	1/4	1,473.20	1/4	1,142.27	1/4	815.44	1/4	509.09	1/4	226.86	1/4		1/4	1/4	1/4		1/4	
1/2	1,797.23	1/2	1,466.30	1/2	1,135.38	1/2	808.83	1/2	502.95	1/2	221.24	1/2		1/2	1/2	1/2		1/2	
3/4	1,790.34	3/4	1,459.41	3/4	1,128.48	3/4	802.23	3/4	496.81	3/4	215.61	3/4		3/4	3/4	3/4		3/4	
7	1,783.44	7	1,452.52	7	1,121.59	7	795.67	7	490.71	7	210.04	7		7	7	7		7	
1/4	1,776.55	1/4	1,445.62	1/4	1,114.70	1/4	789.10	1/4	484.62	1/4	204.46	1/4		1/4	1/4	1/4		1/4	
1/2	1,769.65	1/2	1,438.73	1/2	1,107.80	1/2	782.54	1/2	478.52	1/2	198.88	1/2		1/2	1/2	1/2		1/2	
3/4	1,762.76	3/4	1,431.83	3/4	1,100.91	3/4	775.98	3/4	472.43	3/4	193.30	3/4		3/4	3/4	3/4		3/4	
8	1,755.87	8	1,424.94	8	1,094.01	8	769.44	8	466.37	8	187.77	8		8	8	8		8	
1/4	1,748.97	1/4	1,418.04	1/4	1,087.12	1/4	762.91	1/4	460.32	1/4	182.23	1/4		1/4	1/4	1/4		1/4	
1/2	1,742.08	1/2	1,411.15	1/2	1,080.22	1/2	756.37	1/2	454.27	1/2	176.70	1/2		1/2	1/2	1/2		1/2	
3/4	1,735.18	3/4	1,404.26	3/4	1,073.33	3/4	749.84	3/4	448.22	3/4	171.17	3/4		3/4	3/4	3/4		3/4	
9	1,728.29	9	1,397.36	9	1,066.44	9	743.35	9	442.21	9	165.67	9		9	9	9		9	
1/4	1,721.39	1/4	1,390.47	1/4	1,059.54	1/4	736.86	1/4	436.20	1/4	160.18	1/4		1/4	1/4	1/4		1/4	
1/2	1,714.50	1/2	1,383.57	1/2	1,052.65	1/2	730.37	1/2	430.19	1/2	154.69	1/2		1/2	1/2	1/2		1/2	
3/4	1,707.61	3/4	1,376.68	3/4	1,045.75	3/4	723.87	3/4	424.18	3/4	149.20	3/4		3/4	3/4	3/4		3/4	
10	1,700.71	10	1,369.78	10	1,038.86	10	717.43	10	418.21	10	143.75	10		10	10	10		10	
1/4	1,693.82	1/4	1,362.89	1/4	1,031.96	1/4	710.98	1/4	412.25	1/4	138.30	1/4		1/4	1/4	1/4		1/4	
1/2	1,686.92	1/2	1,356.00	1/2	1,025.07	1/2	704.53	1/2	406.28	1/2	132.86	1/2		1/2	1/2	1/2		1/2	
3/4	1,680.03	3/4	1,349.10	3/4	1,018.18	3/4	698.08	3/4	400.32	3/4	127.41	3/4		3/4	3/4	3/4		3/4	
11	1,673.13	11	1,342.21	11	1,011.32	11	691.64	11	394.39	11	122.00	11		11	11	11		11	
1/4	1,666.24	1/4	1,335.31	1/4	1,004.46	1/4	685.20	1/4	388.47	1/4	116.60	1/4		1/4	1/4	1/4		1/4	
1/2	1,659.35	1/2	1,328.42	1/2	997.60	1/2	678.76	1/2	382.55	1/2	111.19	1/2		1/2	1/2	1/2		1/2	
3/4	1,652.45	3/4	1,321.52	3/4	990.74	3/4	672.32	3/4	376.62	3/4	105.79	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/14/2011 CL - SW
CALCULATED: 02/14/2011 CL
PRINTED: 02/14/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29036"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	5,189.33	0	4,801.94	0	4,414.55	0	4,027.16	0	3,639.78	0	3,252.39	0	2,865.00		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,181.26	1/4	4,793.87	1/4	4,406.48	1/4	4,019.09	1/4	3,631.71	1/4	3,244.32	1/4	2,856.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,173.19	1/2	4,785.80	1/2	4,398.41	1/2	4,011.02	1/2	3,623.63	1/2	3,236.25	1/2	2,848.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,165.12	3/4	4,777.73	3/4	4,390.34	3/4	4,002.95	3/4	3,615.56	3/4	3,228.18	3/4	2,840.79		
1		1		1		1	5,157.05	1	4,769.66	1	4,382.27	1	3,994.88	1	3,607.49	1	3,220.10	1	2,832.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,148.98	1/4	4,761.59	1/4	4,374.20	1/4	3,986.81	1/4	3,599.42	1/4	3,212.03	1/4	2,824.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,140.91	1/2	4,753.52	1/2	4,366.13	1/2	3,978.74	1/2	3,591.35	1/2	3,203.96	1/2	2,816.57		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,132.84	3/4	4,745.45	3/4	4,358.06	3/4	3,970.67	3/4	3,583.28	3/4	3,195.89	3/4	2,808.50		
2		2		2		2	5,124.77	2	4,737.38	2	4,349.99	2	3,962.60	2	3,575.21	2	3,187.82	2	2,800.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,116.70	1/4	4,729.31	1/4	4,341.92	1/4	3,954.53	1/4	3,567.14	1/4	3,179.75	1/4	2,792.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,108.63	1/2	4,721.24	1/2	4,333.85	1/2	3,946.46	1/2	3,559.07	1/2	3,171.68	1/2	2,784.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,100.55	3/4	4,713.17	3/4	4,325.78	3/4	3,938.39	3/4	3,551.00	3/4	3,163.61	3/4	2,776.22		
3		3		3		3	5,092.48	3	4,705.10	3	4,317.71	3	3,930.32	3	3,542.93	3	3,155.54	3	2,768.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,084.41	1/4	4,697.02	1/4	4,309.64	1/4	3,922.25	1/4	3,534.86	1/4	3,147.47	1/4	2,760.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,076.34	1/2	4,688.95	1/2	4,301.57	1/2	3,914.18	1/2	3,526.79	1/2	3,139.40	1/2	2,752.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,068.27	3/4	4,680.88	3/4	4,293.49	3/4	3,906.11	3/4	3,518.72	3/4	3,131.33	3/4	2,743.94		
4		4		4		4	5,060.20	4	4,672.81	4	4,285.42	4	3,898.04	4	3,510.65	4	3,123.26	4	2,735.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,052.13	1/4	4,664.74	1/4	4,277.35	1/4	3,889.96	1/4	3,502.58	1/4	3,115.19	1/4	2,727.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,044.06	1/2	4,656.67	1/2	4,269.28	1/2	3,881.89	1/2	3,494.51	1/2	3,107.12	1/2	2,719.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,035.99	3/4	4,648.60	3/4	4,261.21	3/4	3,873.82	3/4	3,486.43	3/4	3,099.05	3/4	2,711.66		
5		5		5		5	5,027.92	5	4,640.53	5	4,253.14	5	3,865.75	5	3,478.36	5	3,090.97	5	2,703.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,019.85	1/4	4,632.46	1/4	4,245.07	1/4	3,857.68	1/4	3,470.29	1/4	3,082.90	1/4	2,695.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,011.78	1/2	4,624.39	1/2	4,237.00	1/2	3,849.61	1/2	3,462.22	1/2	3,074.83	1/2	2,687.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,003.71	3/4	4,616.32	3/4	4,228.93	3/4	3,841.54	3/4	3,454.15	3/4	3,066.76	3/4	2,679.37		
6		6		6		6	4,995.64	6	4,608.25	6	4,220.86	6	3,833.47	6	3,446.08	6	3,058.69	6	2,671.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,354.08	1/4	4,987.57	1/4	4,600.18	1/4	4,212.79	1/4	3,825.40	1/4	3,438.01	1/4	3,050.62	1/4	2,663.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,349.70	1/2	4,979.50	1/2	4,592.11	1/2	4,204.72	1/2	3,817.33	1/2	3,429.94	1/2	3,042.55	1/2	2,655.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,345.33	3/4	4,971.42	3/4	4,584.04	3/4	4,196.65	3/4	3,809.26	3/4	3,421.87	3/4	3,034.48	3/4	2,647.09
7		7		7		7	5,339.62	7	4,963.35	7	4,575.97	7	4,188.58	7	3,801.19	7	3,413.80	7	3,026.41	7	2,639.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,333.90	1/4	4,955.28	1/4	4,567.89	1/4	4,180.51	1/4	3,793.12	1/4	3,405.73	1/4	3,018.34	1/4	2,630.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,328.18	1/2	4,947.21	1/2	4,559.82	1/2	4,172.44	1/2	3,785.05	1/2	3,397.66	1/2	3,010.27	1/2	2,622.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,322.46	3/4	4,939.14	3/4	4,551.75	3/4	4,164.36	3/4	3,776.98	3/4	3,389.59	3/4	3,002.20	3/4	2,614.81
8		8		8		8	5,315.41	8	4,931.07	8	4,543.68	8	4,156.29	8	3,768.91	8	3,381.52	8	2,994.13	8	2,606.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,308.36	1/4	4,923.00	1/4	4,535.61	1/4	4,148.22	1/4	3,760.83	1/4	3,373.45	1/4	2,986.06	1/4	2,598.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,301.30	1/2	4,914.93	1/2	4,527.54	1/2	4,140.15	1/2	3,752.76	1/2	3,365.38	1/2	2,977.99	1/2	2,590.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,294.25	3/4	4,906.86	3/4	4,519.47	3/4	4,132.08	3/4	3,744.69	3/4	3,357.30	3/4	2,969.92	3/4	2,582.53
9		9		9		9	5,286.18	9	4,898.79	9	4,511.40	9	4,124.01	9	3,736.62	9	3,349.23	9	2,961.85	9	2,574.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,278.11	1/4	4,890.72	1/4	4,503.33	1/4	4,115.94	1/4	3,728.55	1/4	3,341.16	1/4	2,953.77	1/4	2,566.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,270.04	1/2	4,882.65	1/2	4,495.26	1/2	4,107.87	1/2	3,720.48	1/2	3,333.09	1/2	2,945.70	1/2	2,558.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,261.97	3/4	4,874.58	3/4	4,487.19	3/4	4,099.80	3/4	3,712.41	3/4	3,325.02	3/4	2,937.63	3/4	2,550.24
10		10		10		10	5,253.90	10	4,866.51	10	4,479.12	10	4,091.73	10	3,704.34	10	3,316.95	10	2,929.56	10	2,542.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,245.83	1/4	4,858.44	1/4	4,471.05	1/4	4,083.66	1/4	3,696.27	1/4	3,308.88	1/4	2,921.49	1/4	2,534.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,237.75	1/2	4,850.37	1/2	4,462.98	1/2	4,075.59	1/2	3,688.20	1/2	3,300.81	1/2	2,913.42	1/2	2,526.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,229.68	3/4	4,842.30	3/4	4,454.91	3/4	4,067.52	3/4	3,680.13	3/4	3,292.74	3/4	2,905.35	3/4	2,517.96
11		11		11		11	5,221.61	11	4,834.22	11	4,446.84	11	4,059.45	11	3,672.06	11	3,284.67	11	2,897.28	11	2,509.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,213.54	1/4	4,826.15	1/4	4,438.77	1/4	4,051.38	1/4	3,663.99	1/4	3,276.60	1/4	2,889.21	1/4	2,501.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,205.47	1/2	4,818.08	1/2	4,430.69	1/2	4,043.31	1/2	3,655.92	1/2	3,268.53	1/2	2,881.14	1/2	2,493.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,197.40	3/4	4,810.01	3/4	4,422.62	3/4	4,035.24	3/4	3,647.85	3/4	3,260.46	3/4	2,873.07	3/4	2,485.68

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29036"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

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	2,477.61	0	2,090.22	0	1,702.83	0	1,315.44	0	928.05	0	540.99	0	153.61	0		0		0	
1/4	2,469.54	1/4	2,082.15	1/4	1,694.76	1/4	1,307.37	1/4	919.98	1/4	532.92	1/4	145.54	1/4	1/4	1/4		1/4	1/4
1/2	2,461.47	1/2	2,074.08	1/2	1,686.69	1/2	1,299.30	1/2	911.91	1/2	524.85	1/2	137.47	1/2	1/2	1/2		1/2	1/2
3/4	2,453.40	3/4	2,066.01	3/4	1,678.62	3/4	1,291.23	3/4	903.84	3/4	516.78	3/4	129.40	3/4	3/4	3/4		3/4	3/4
1	2,445.33	1	2,057.94	1	1,670.55	1	1,283.16	1	895.78	1	508.70	1	121.33	1	1	1		1	1
1/4	2,437.26	1/4	2,049.87	1/4	1,662.48	1/4	1,275.09	1/4	887.72	1/4	500.63	1/4	113.26	1/4	1/4	1/4		1/4	1/4
1/2	2,429.19	1/2	2,041.80	1/2	1,654.41	1/2	1,267.02	1/2	879.66	1/2	492.56	1/2	105.19	1/2	1/2	1/2		1/2	1/2
3/4	2,421.12	3/4	2,033.73	3/4	1,646.34	3/4	1,258.95	3/4	871.60	3/4	484.49	3/4	97.12	3/4	3/4	3/4		3/4	3/4
2	2,413.04	2	2,025.66	2	1,638.27	2	1,250.88	2	863.54	2	476.42	2	89.05	2	2	2		2	2
1/4	2,404.97	1/4	2,017.59	1/4	1,630.20	1/4	1,242.81	1/4	855.48	1/4	468.35	1/4	80.98	1/4	1/4	1/4		1/4	1/4
1/2	2,396.90	1/2	2,009.51	1/2	1,622.13	1/2	1,234.74	1/2	847.42	1/2	460.28	1/2	72.91	1/2	1/2	1/2		1/2	1/2
3/4	2,388.83	3/4	2,001.44	3/4	1,614.06	3/4	1,226.67	3/4	839.36	3/4	452.21	3/4	64.84	3/4	3/4	3/4		3/4	3/4
3	2,380.76	3	1,993.37	3	1,605.98	3	1,218.60	3	831.30	3	444.14	3	57.78	3	3	3		3	3
1/4	2,372.69	1/4	1,985.30	1/4	1,597.91	1/4	1,210.53	1/4	823.24	1/4	436.07	1/4	50.71	1/4	1/4	1/4		1/4	1/4
1/2	2,364.62	1/2	1,977.23	1/2	1,589.84	1/2	1,202.45	1/2	815.17	1/2	428.00	1/2	43.65	1/2	1/2	1/2		1/2	1/2
3/4	2,356.55	3/4	1,969.16	3/4	1,581.77	3/4	1,194.38	3/4	807.11	3/4	419.93	3/4	36.59	3/4	3/4	3/4		3/4	3/4
4	2,348.48	4	1,961.09	4	1,573.70	4	1,186.31	4	799.05	4	411.86	4	31.55	4	4	4		4	4
1/4	2,340.41	1/4	1,953.02	1/4	1,565.63	1/4	1,178.24	1/4	790.99	1/4	403.79	1/4	26.50	1/4	1/4	1/4		1/4	1/4
1/2	2,332.34	1/2	1,944.95	1/2	1,557.56	1/2	1,170.17	1/2	782.93	1/2	395.72	1/2	21.46	1/2	1/2	1/2		1/2	1/2
3/4	2,324.27	3/4	1,936.88	3/4	1,549.49	3/4	1,162.10	3/4	774.87	3/4	387.65	3/4	16.42	3/4	3/4	3/4		3/4	3/4
5	2,316.20	5	1,928.81	5	1,541.42	5	1,154.03	5	766.81	5	379.58	5		5	5	5		5	5
1/4	2,308.13	1/4	1,920.74	1/4	1,533.35	1/4	1,145.96	1/4	758.75	1/4	371.51	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,300.06	1/2	1,912.67	1/2	1,525.28	1/2	1,137.89	1/2	750.69	1/2	363.44	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,291.99	3/4	1,904.60	3/4	1,517.21	3/4	1,129.82	3/4	742.63	3/4	355.37	3/4		3/4	3/4	3/4		3/4	3/4
6	2,283.91	6	1,896.53	6	1,509.14	6	1,121.75	6	734.57	6	347.30	6		6	6	6		6	6
1/4	2,275.84	1/4	1,888.46	1/4	1,501.07	1/4	1,113.68	1/4	726.51	1/4	339.23	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,267.77	1/2	1,880.38	1/2	1,493.00	1/2	1,105.61	1/2	718.45	1/2	331.16	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,259.70	3/4	1,872.31	3/4	1,484.93	3/4	1,097.54	3/4	710.39	3/4	323.09	3/4		3/4	3/4	3/4		3/4	3/4
7	2,251.63	7	1,864.24	7	1,476.85	7	1,089.47	7	702.32	7	315.02	7		7	7	7		7	7
1/4	2,243.56	1/4	1,856.17	1/4	1,468.78	1/4	1,081.40	1/4	694.26	1/4	306.95	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,235.49	1/2	1,848.10	1/2	1,460.71	1/2	1,073.32	1/2	686.20	1/2	298.88	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,227.42	3/4	1,840.03	3/4	1,452.64	3/4	1,065.25	3/4	678.14	3/4	290.81	3/4		3/4	3/4	3/4		3/4	3/4
8	2,219.35	8	1,831.96	8	1,444.57	8	1,057.18	8	670.08	8	282.74	8		8	8	8		8	8
1/4	2,211.28	1/4	1,823.89	1/4	1,436.50	1/4	1,049.11	1/4	662.02	1/4	274.67	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,203.21	1/2	1,815.82	1/2	1,428.43	1/2	1,041.04	1/2	653.96	1/2	266.60	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,195.14	3/4	1,807.75	3/4	1,420.36	3/4	1,032.97	3/4	645.90	3/4	258.53	3/4		3/4	3/4	3/4		3/4	3/4
9	2,187.07	9	1,799.68	9	1,412.29	9	1,024.90	9	637.83	9	250.46	9		9	9	9		9	9
1/4	2,179.00	1/4	1,791.61	1/4	1,404.22	1/4	1,016.83	1/4	629.76	1/4	242.38	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,170.93	1/2	1,783.54	1/2	1,396.15	1/2	1,008.76	1/2	621.69	1/2	234.31	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,162.86	3/4	1,775.47	3/4	1,388.08	3/4	1,000.69	3/4	613.62	3/4	226.24	3/4		3/4	3/4	3/4		3/4	3/4
10	2,154.79	10	1,767.40	10	1,380.01	10	992.62	10	605.55	10	218.17	10		10	10	10		10	10
1/4	2,146.71	1/4	1,759.33	1/4	1,371.94	1/4	984.55	1/4	597.48	1/4	210.10	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,138.64	1/2	1,751.26	1/2	1,363.87	1/2	976.48	1/2	589.41	1/2	202.03	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,130.57	3/4	1,743.18	3/4	1,355.80	3/4	968.41	3/4	581.34	3/4	193.96	3/4		3/4	3/4	3/4		3/4	3/4
11	2,122.50	11	1,735.11	11	1,347.73	11	960.34	11	573.27	11	185.89	11		11	11	11		11	11
1/4	2,114.43	1/4	1,727.04	1/4	1,339.65	1/4	952.27	1/4	565.20	1/4	177.82	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,106.36	1/2	1,718.97	1/2	1,331.58	1/2	944.20	1/2	557.13	1/2	169.75	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,098.29	3/4	1,710.90	3/4	1,323.51	3/4	936.12	3/4	549.06	3/4	161.68	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/14/2011 CL - SW
CALCULATED: 02/14/2011 CL
PRINTED: 02/14/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2011

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



BARGE "KIRBY 29036"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	5,191.42	0	4,803.95	0	4,416.47	0	4,029.00	0	3,641.53	0	3,254.06	0	2,866.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,183.34	1/4	4,795.87	1/4	4,408.40	1/4	4,020.93	1/4	3,633.46	1/4	3,245.99	1/4	2,858.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,175.27	1/2	4,787.80	1/2	4,400.33	1/2	4,012.86	1/2	3,625.39	1/2	3,237.92	1/2	2,850.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,167.20	3/4	4,779.73	3/4	4,392.26	3/4	4,004.79	3/4	3,617.32	3/4	3,229.85	3/4	2,842.38		
1		1		1		1	5,159.13	1	4,771.66	1	4,384.19	1	3,996.72	1	3,609.24	1	3,221.77	1	2,834.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,151.05	1/4	4,763.58	1/4	4,376.11	1/4	3,988.64	1/4	3,601.17	1/4	3,213.70	1/4	2,826.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,142.98	1/2	4,755.51	1/2	4,368.04	1/2	3,980.57	1/2	3,593.10	1/2	3,205.63	1/2	2,818.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,134.91	3/4	4,747.44	3/4	4,359.97	3/4	3,972.50	3/4	3,585.03	3/4	3,197.56	3/4	2,810.09		
2		2		2		2	5,126.84	2	4,739.37	2	4,351.90	2	3,964.43	2	3,576.96	2	3,189.49	2	2,802.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,118.76	1/4	4,731.29	1/4	4,343.82	1/4	3,956.35	1/4	3,568.88	1/4	3,181.41	1/4	2,793.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,110.69	1/2	4,723.22	1/2	4,335.75	1/2	3,948.28	1/2	3,560.81	1/2	3,173.34	1/2	2,785.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,102.62	3/4	4,715.15	3/4	4,327.68	3/4	3,940.21	3/4	3,552.74	3/4	3,165.27	3/4	2,777.80		
3		3		3		3	5,094.55	3	4,707.08	3	4,319.61	3	3,932.14	3	3,544.67	3	3,157.20	3	2,769.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,086.48	1/4	4,699.01	1/4	4,311.53	1/4	3,924.06	1/4	3,536.59	1/4	3,149.12	1/4	2,761.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,078.40	1/2	4,690.93	1/2	4,303.46	1/2	3,915.99	1/2	3,528.52	1/2	3,141.05	1/2	2,753.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,070.33	3/4	4,682.86	3/4	4,295.39	3/4	3,907.92	3/4	3,520.45	3/4	3,132.98	3/4	2,745.51		
4		4		4		4	5,062.26	4	4,674.79	4	4,287.32	4	3,899.85	4	3,512.38	4	3,124.91	4	2,737.44		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,054.19	1/4	4,666.72	1/4	4,279.25	1/4	3,891.78	1/4	3,504.30	1/4	3,116.83	1/4	2,729.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,046.11	1/2	4,658.64	1/2	4,271.17	1/2	3,883.70	1/2	3,496.23	1/2	3,108.76	1/2	2,721.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,038.04	3/4	4,650.57	3/4	4,263.10	3/4	3,875.63	3/4	3,488.16	3/4	3,100.69	3/4	2,713.22		
5		5		5		5	5,029.97	5	4,642.50	5	4,255.03	5	3,867.56	5	3,480.09	5	3,092.62	5	2,705.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,021.90	1/4	4,634.43	1/4	4,246.96	1/4	3,859.49	1/4	3,472.02	1/4	3,084.55	1/4	2,697.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,013.83	1/2	4,626.35	1/2	4,238.88	1/2	3,851.41	1/2	3,463.94	1/2	3,076.47	1/2	2,689.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,005.75	3/4	4,618.28	3/4	4,230.81	3/4	3,843.34	3/4	3,455.87	3/4	3,068.40	3/4	2,680.93		
6		6		6		6	4,997.68	6	4,610.21	6	4,222.74	6	3,835.27	6	3,447.80	6	3,060.33	6	2,672.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,989.61	1/4	4,602.14	1/4	4,214.67	1/4	3,827.20	1/4	3,439.73	1/4	3,052.26	1/4	2,664.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,981.54	1/2	4,594.07	1/2	4,206.60	1/2	3,819.12	1/2	3,431.65	1/2	3,044.18	1/2	2,656.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,340.11	3/4	4,973.46	3/4	4,585.99	3/4	4,198.52	3/4	3,811.05	3/4	3,423.58	3/4	3,036.11	3/4	2,648.64
7		7		7		7	5,335.74	7	4,965.39	7	4,577.92	7	4,190.45	7	3,802.98	7	3,415.51	7	3,028.04	7	2,640.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,331.36	1/4	4,957.32	1/4	4,569.85	1/4	4,182.38	1/4	3,794.91	1/4	3,407.44	1/4	3,019.97	1/4	2,632.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,325.64	1/2	4,949.25	1/2	4,561.78	1/2	4,174.31	1/2	3,786.84	1/2	3,399.37	1/2	3,011.89	1/2	2,624.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,319.93	3/4	4,941.17	3/4	4,553.70	3/4	4,166.23	3/4	3,778.76	3/4	3,391.29	3/4	3,003.82	3/4	2,616.35
8		8		8		8	5,314.21	8	4,933.10	8	4,545.63	8	4,158.16	8	3,770.69	8	3,383.22	8	2,995.75	8	2,608.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,308.49	1/4	4,925.03	1/4	4,537.56	1/4	4,150.09	1/4	3,762.62	1/4	3,375.15	1/4	2,987.68	1/4	2,600.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,301.42	1/2	4,916.96	1/2	4,529.49	1/2	4,142.02	1/2	3,754.55	1/2	3,367.08	1/2	2,979.61	1/2	2,592.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,294.35	3/4	4,908.89	3/4	4,521.41	3/4	4,133.94	3/4	3,746.47	3/4	3,359.00	3/4	2,971.53	3/4	2,584.06
9		9		9		9	5,287.28	9	4,900.81	9	4,513.34	9	4,125.87	9	3,738.40	9	3,350.93	9	2,963.46	9	2,575.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,280.21	1/4	4,892.74	1/4	4,505.27	1/4	4,117.80	1/4	3,730.33	1/4	3,342.86	1/4	2,955.39	1/4	2,567.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,272.14	1/2	4,884.67	1/2	4,497.20	1/2	4,109.73	1/2	3,722.26	1/2	3,334.79	1/2	2,947.32	1/2	2,559.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,264.07	3/4	4,876.60	3/4	4,489.13	3/4	4,101.66	3/4	3,714.18	3/4	3,326.71	3/4	2,939.24	3/4	2,551.77
10		10		10		10	5,255.99	10	4,868.52	10	4,481.05	10	4,093.58	10	3,706.11	10	3,318.64	10	2,931.17	10	2,543.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,247.92	1/4	4,860.45	1/4	4,472.98	1/4	4,085.51	1/4	3,698.04	1/4	3,310.57	1/4	2,923.10	1/4	2,535.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,239.85	1/2	4,852.38	1/2	4,464.91	1/2	4,077.44	1/2	3,689.97	1/2	3,302.50	1/2	2,915.03	1/2	2,527.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,231.78	3/4	4,844.31	3/4	4,456.84	3/4	4,069.37	3/4	3,681.90	3/4	3,294.43	3/4	2,906.95	3/4	2,519.48
11		11		11		11	5,223.70	11	4,836.23	11	4,448.76	11	4,061.29	11	3,673.82	11	3,286.35	11	2,898.88	11	2,511.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,215.63	1/4	4,828.16	1/4	4,440.69	1/4	4,053.22	1/4	3,665.75	1/4	3,278.28	1/4	2,890.81	1/4	2,503.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,207.56	1/2	4,820.09	1/2	4,432.62	1/2	4,045.15	1/2	3,657.68	1/2	3,270.21	1/2	2,882.74	1/2	2,495.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,199.49	3/4	4,812.02	3/4	4,424.55	3/4	4,037.08	3/4	3,649.61	3/4	3,262.14	3/4	2,874.67	3/4	2,487.20

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29036"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,479.12	0	2,091.65	0	1,704.18	0	1,317.65	0	944.26	0	557.25	0	169.79	0		0		0	
1/4	2,471.05	1/4	2,083.58	1/4	1,696.11	1/4	1,309.89	1/4	936.19	1/4	549.18	1/4	161.72	1/4	1/4	1/4		1/4	
1/2	2,462.98	1/2	2,075.51	1/2	1,688.04	1/2	1,302.13	1/2	928.11	1/2	541.11	1/2	153.65	1/2	1/2	1/2		1/2	
3/4	2,454.91	3/4	2,067.44	3/4	1,679.97	3/4	1,294.37	3/4	920.04	3/4	533.04	3/4	145.57	3/4	3/4	3/4		3/4	
1	2,446.83	1	2,059.36	1	1,671.89	1	1,286.61	1	911.97	1	524.96	1	137.50	1	1	1		1	
1/4	2,438.76	1/4	2,051.29	1/4	1,663.82	1/4	1,278.85	1/4	903.90	1/4	516.89	1/4	129.43	1/4	1/4	1/4		1/4	
1/2	2,430.69	1/2	2,043.22	1/2	1,655.75	1/2	1,271.09	1/2	895.84	1/2	508.82	1/2	121.36	1/2	1/2	1/2		1/2	
3/4	2,422.62	3/4	2,035.15	3/4	1,647.68	3/4	1,263.33	3/4	887.78	3/4	500.75	3/4	113.29	3/4	3/4	3/4		3/4	
2	2,414.54	2	2,027.07	2	1,639.60	2	1,255.58	2	879.72	2	492.67	2	105.21	2	2	2		2	
1/4	2,406.47	1/4	2,019.00	1/4	1,631.53	1/4	1,247.82	1/4	871.67	1/4	484.60	1/4	97.14	1/4	1/4	1/4		1/4	
1/2	2,398.40	1/2	2,010.93	1/2	1,623.46	1/2	1,240.06	1/2	863.61	1/2	476.53	1/2	89.07	1/2	1/2	1/2		1/2	
3/4	2,390.33	3/4	2,002.86	3/4	1,615.39	3/4	1,232.30	3/4	855.55	3/4	468.46	3/4	81.00	3/4	3/4	3/4		3/4	
3	2,382.26	3	1,994.78	3	1,607.31	3	1,224.54	3	847.49	3	460.39	3	72.93	3	3	3		3	
1/4	2,374.18	1/4	1,986.71	1/4	1,599.24	1/4	1,216.78	1/4	839.43	1/4	452.31	1/4	64.85	1/4	1/4	1/4		1/4	
1/2	2,366.11	1/2	1,978.64	1/2	1,591.17	1/2	1,209.02	1/2	831.38	1/2	444.24	1/2	57.79	1/2	1/2	1/2		1/2	
3/4	2,358.04	3/4	1,970.57	3/4	1,583.10	3/4	1,201.26	3/4	823.32	3/4	436.17	3/4	50.73	3/4	3/4	3/4		3/4	
4	2,349.97	4	1,962.50	4	1,575.03	4	1,193.50	4	815.26	4	428.10	4	43.66	4	4	4		4	
1/4	2,341.89	1/4	1,954.42	1/4	1,566.95	1/4	1,185.74	1/4	807.20	1/4	420.03	1/4	36.60	1/4	1/4	1/4		1/4	
1/2	2,333.82	1/2	1,946.35	1/2	1,558.88	1/2	1,177.98	1/2	799.14	1/2	411.95	1/2	31.55	1/2	1/2	1/2		1/2	
3/4	2,325.75	3/4	1,938.28	3/4	1,550.81	3/4	1,170.22	3/4	791.09	3/4	403.88	3/4	26.51	3/4	3/4	3/4		3/4	
5	2,317.68	5	1,930.21	5	1,542.74	5	1,162.46	5	783.03	5	395.81	5	21.46	5	5	5		5	
1/4	2,309.60	1/4	1,922.13	1/4	1,534.66	1/4	1,154.70	1/4	774.97	1/4	387.74	1/4	16.42	1/4	1/4	1/4		1/4	
1/2	2,301.53	1/2	1,914.06	1/2	1,526.59	1/2	1,146.94	1/2	766.91	1/2	379.67	1/2		1/2	1/2	1/2		1/2	
3/4	2,293.46	3/4	1,905.99	3/4	1,518.52	3/4	1,139.18	3/4	758.86	3/4	371.59	3/4		3/4	3/4	3/4		3/4	
6	2,285.39	6	1,897.92	6	1,510.45	6	1,131.42	6	750.80	6	363.52	6		6	6	6		6	
1/4	2,277.32	1/4	1,889.84	1/4	1,502.37	1/4	1,123.67	1/4	742.74	1/4	355.45	1/4		1/4	1/4	1/4		1/4	
1/2	2,269.24	1/2	1,881.77	1/2	1,494.30	1/2	1,115.91	1/2	734.68	1/2	347.38	1/2		1/2	1/2	1/2		1/2	
3/4	2,261.17	3/4	1,873.70	3/4	1,486.23	3/4	1,108.15	3/4	726.62	3/4	339.30	3/4		3/4	3/4	3/4		3/4	
7	2,253.10	7	1,865.63	7	1,478.16	7	1,100.39	7	718.57	7	331.23	7		7	7	7		7	
1/4	2,245.03	1/4	1,857.56	1/4	1,470.09	1/4	1,092.63	1/4	710.51	1/4	323.16	1/4		1/4	1/4	1/4		1/4	
1/2	2,236.95	1/2	1,849.48	1/2	1,462.01	1/2	1,084.87	1/2	702.45	1/2	315.09	1/2		1/2	1/2	1/2		1/2	
3/4	2,228.88	3/4	1,841.41	3/4	1,453.94	3/4	1,077.11	3/4	694.39	3/4	307.02	3/4		3/4	3/4	3/4		3/4	
8	2,220.81	8	1,833.34	8	1,445.87	8	1,069.35	8	686.33	8	298.94	8		8	8	8		8	
1/4	2,212.74	1/4	1,825.27	1/4	1,437.80	1/4	1,061.59	1/4	678.28	1/4	290.87	1/4		1/4	1/4	1/4		1/4	
1/2	2,204.66	1/2	1,817.19	1/2	1,429.72	1/2	1,053.83	1/2	670.22	1/2	282.80	1/2		1/2	1/2	1/2		1/2	
3/4	2,196.59	3/4	1,809.12	3/4	1,421.65	3/4	1,046.07	3/4	662.16	3/4	274.73	3/4		3/4	3/4	3/4		3/4	
9	2,188.52	9	1,801.05	9	1,413.58	9	1,038.31	9	654.10	9	266.66	9		9	9	9		9	
1/4	2,180.45	1/4	1,792.98	1/4	1,405.51	1/4	1,030.55	1/4	646.04	1/4	258.58	1/4		1/4	1/4	1/4		1/4	
1/2	2,172.38	1/2	1,784.91	1/2	1,397.43	1/2	1,022.79	1/2	637.97	1/2	250.51	1/2		1/2	1/2	1/2		1/2	
3/4	2,164.30	3/4	1,776.83	3/4	1,389.36	3/4	1,015.03	3/4	629.90	3/4	242.44	3/4		3/4	3/4	3/4		3/4	
10	2,156.23	10	1,768.76	10	1,381.29	10	1,007.27	10	621.83	10	234.37	10		10	10	10		10	
1/4	2,148.16	1/4	1,760.69	1/4	1,373.22	1/4	999.51	1/4	613.76	1/4	226.30	1/4		1/4	1/4	1/4		1/4	
1/2	2,140.09	1/2	1,752.62	1/2	1,365.15	1/2	991.76	1/2	605.68	1/2	218.22	1/2		1/2	1/2	1/2		1/2	
3/4	2,132.01	3/4	1,744.54	3/4	1,357.07	3/4	984.00	3/4	597.61	3/4	210.15	3/4		3/4	3/4	3/4		3/4	
11	2,123.94	11	1,736.47	11	1,349.00	11	976.24	11	589.54	11	202.08	11		11	11	11		11	
1/4	2,115.87	1/4	1,728.40	1/4	1,340.93	1/4	968.48	1/4	581.47	1/4	194.01	1/4		1/4	1/4	1/4		1/4	
1/2	2,107.80	1/2	1,720.33	1/2	1,333.17	1/2	960.40	1/2	573.40	1/2	185.93	1/2		1/2	1/2	1/2		1/2	
3/4	2,099.72	3/4	1,712.25	3/4	1,325.41	3/4	952.33	3/4	565.32	3/4	177.86	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/14/2011 CL - SW
CALCULATED: 02/14/2011 CL
PRINTED: 02/14/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2011

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



BARGE "KIRBY 29036"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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
1/4		1/4		1/4		1/4	4,535.10	1/4	4,241.46	1/4	3,947.82	1/4	3,654.18	1/4	3,360.54	1/4	3,021.37	1/4	2,661.52
1/2		1/2		1/2		1/2	4,528.98	1/2	4,235.34	1/2	3,941.70	1/2	3,648.06	1/2	3,354.42	1/2	3,013.88	1/2	2,654.02
3/4		3/4		3/4		3/4	4,522.86	3/4	4,229.22	3/4	3,935.58	3/4	3,641.94	3/4	3,348.30	3/4	3,006.38	3/4	2,646.52
1	1	1	1	1	1	1	4,516.74	1	4,223.10	1	3,929.46	1	3,635.82	1	3,342.18	1	2,998.88	1	2,639.03
1/4		1/4		1/4		1/4	4,510.63	1/4	4,216.99	1/4	3,923.35	1/4	3,629.71	1/4	3,336.07	1/4	2,991.38	1/4	2,631.53
1/2		1/2		1/2		1/2	4,504.51	1/2	4,210.87	1/2	3,917.23	1/2	3,623.59	1/2	3,329.95	1/2	2,983.89	1/2	2,624.03
3/4		3/4		3/4		3/4	4,498.39	3/4	4,204.75	3/4	3,911.11	3/4	3,617.47	3/4	3,323.83	3/4	2,976.39	3/4	2,616.53
2	2	2	2	2	2	2	4,492.27	2	4,198.63	2	3,904.99	2	3,611.35	2	3,317.71	2	2,968.89	2	2,609.04
1/4		1/4		1/4		1/4	4,486.16	1/4	4,192.52	1/4	3,898.88	1/4	3,605.24	1/4	3,311.60	1/4	2,961.40	1/4	2,601.54
1/2		1/2		1/2		1/2	4,480.04	1/2	4,186.40	1/2	3,892.76	1/2	3,599.12	1/2	3,305.48	1/2	2,953.90	1/2	2,594.04
3/4		3/4		3/4		3/4	4,473.92	3/4	4,180.28	3/4	3,886.64	3/4	3,593.00	3/4	3,299.36	3/4	2,946.40	3/4	2,586.55
3	3	3	3	3	3	3	4,467.80	3	4,174.16	3	3,880.52	3	3,586.88	3	3,293.24	3	2,938.91	3	2,579.05
1/4		1/4		1/4		1/4	4,461.69	1/4	4,168.05	1/4	3,874.41	1/4	3,580.77	1/4	3,287.13	1/4	2,931.41	1/4	2,571.55
1/2		1/2		1/2		1/2	4,455.57	1/2	4,161.93	1/2	3,868.29	1/2	3,574.65	1/2	3,281.01	1/2	2,923.91	1/2	2,564.06
3/4		3/4		3/4		3/4	4,449.45	3/4	4,155.81	3/4	3,862.17	3/4	3,568.53	3/4	3,274.89	3/4	2,916.41	3/4	2,556.56
4	4	4	4	4	4	4	4,443.33	4	4,149.69	4	3,856.05	4	3,562.41	4	3,268.77	4	2,908.92	4	2,549.06
1/4		1/4		1/4		1/4	4,437.22	1/4	4,143.58	1/4	3,849.94	1/4	3,556.30	1/4	3,261.28	1/4	2,901.42	1/4	2,541.56
1/2		1/2		1/2		1/2	4,431.10	1/2	4,137.46	1/2	3,843.82	1/2	3,550.18	1/2	3,253.78	1/2	2,893.92	1/2	2,534.07
3/4		3/4		3/4		3/4	4,424.98	3/4	4,131.34	3/4	3,837.70	3/4	3,544.06	3/4	3,246.28	3/4	2,886.43	3/4	2,526.57
5	5	5	5	5	5	5	4,418.86	5	4,125.22	5	3,831.58	5	3,537.94	5	3,238.79	5	2,878.93	5	2,519.07
1/4		1/4		1/4		1/4	4,412.75	1/4	4,119.11	1/4	3,825.47	1/4	3,531.83	1/4	3,231.29	1/4	2,871.43	1/4	2,511.58
1/2		1/2		1/2		1/2	4,406.63	1/2	4,112.99	1/2	3,819.35	1/2	3,525.71	1/2	3,223.79	1/2	2,863.94	1/2	2,504.08
3/4		3/4		3/4		3/4	4,400.51	3/4	4,106.87	3/4	3,813.23	3/4	3,519.59	3/4	3,216.29	3/4	2,856.44	3/4	2,496.58
6	6	6	6	6	6	6	4,394.39	6	4,100.75	6	3,807.11	6	3,513.47	6	3,208.80	6	2,848.94	6	2,489.09
1/4		1/4		1/4		1/4	4,388.28	1/4	4,094.64	1/4	3,801.00	1/4	3,507.36	1/4	3,201.30	1/4	2,841.44	1/4	2,481.59
1/2		1/2		1/2		1/2	4,675.86	1/2	4,382.16	1/2	4,088.52	1/2	3,794.88	1/2	3,501.24	1/2	3,193.80	1/2	2,833.95
3/4		3/4		3/4		3/4	4,671.79	3/4	4,376.04	3/4	4,082.40	3/4	3,788.76	3/4	3,495.12	3/4	3,186.31	3/4	2,826.45
7	7	7	7	7	7	7	4,667.72	7	4,369.92	7	4,076.28	7	3,782.64	7	3,489.00	7	3,178.81	7	2,818.95
1/4		1/4		1/4		1/4	4,662.41	1/4	4,363.81	1/4	4,070.17	1/4	3,776.53	1/4	3,482.89	1/4	3,171.31	1/4	2,811.46
1/2		1/2		1/2		1/2	4,657.09	1/2	4,357.69	1/2	4,064.05	1/2	3,770.41	1/2	3,476.77	1/2	3,163.82	1/2	2,803.96
3/4		3/4		3/4		3/4	4,651.77	3/4	4,351.57	3/4	4,057.93	3/4	3,764.29	3/4	3,470.65	3/4	3,156.32	3/4	2,796.46
8	8	8	8	8	8	8	4,646.46	8	4,345.45	8	4,051.81	8	3,758.17	8	3,464.53	8	3,148.82	8	2,788.97
1/4		1/4		1/4		1/4	4,639.89	1/4	4,339.34	1/4	4,045.70	1/4	3,752.06	1/4	3,458.42	1/4	3,141.32	1/4	2,781.47
1/2		1/2		1/2		1/2	4,633.32	1/2	4,333.22	1/2	4,039.58	1/2	3,745.94	1/2	3,452.30	1/2	3,133.83	1/2	2,773.97
3/4		3/4		3/4		3/4	4,626.75	3/4	4,327.10	3/4	4,033.46	3/4	3,739.82	3/4	3,446.18	3/4	3,126.33	3/4	2,766.47
9	9	9	9	9	9	9	4,620.18	9	4,320.98	9	4,027.34	9	3,733.70	9	3,440.06	9	3,118.83	9	2,758.98
1/4		1/4		1/4		1/4	4,612.67	1/4	4,314.87	1/4	4,021.23	1/4	3,727.59	1/4	3,433.95	1/4	3,111.34	1/4	2,751.48
1/2		1/2		1/2		1/2	4,605.17	1/2	4,308.75	1/2	4,015.11	1/2	3,721.47	1/2	3,427.83	1/2	3,103.84	1/2	2,743.98
3/4		3/4		3/4		3/4	4,597.66	3/4	4,302.63	3/4	4,008.99	3/4	3,715.35	3/4	3,421.71	3/4	3,096.34	3/4	2,736.49
10	10	10	10	10	10	10	4,590.15	10	4,296.51	10	4,002.87	10	3,709.23	10	3,415.59	10	3,088.85	10	2,728.99
1/4		1/4		1/4		1/4	4,584.04	1/4	4,290.40	1/4	3,996.76	1/4	3,703.12	1/4	3,409.48	1/4	3,081.35	1/4	2,721.49
1/2		1/2		1/2		1/2	4,577.92	1/2	4,284.28	1/2	3,990.64	1/2	3,697.00	1/2	3,403.36	1/2	3,073.85	1/2	2,714.00
3/4		3/4		3/4		3/4	4,571.80	3/4	4,278.16	3/4	3,984.52	3/4	3,690.88	3/4	3,397.24	3/4	3,066.35	3/4	2,706.50
11	11	11	11	11	11	11	4,565.68	11	4,272.04	11	3,978.40	11	3,684.76	11	3,391.12	11	3,058.86	11	2,699.00
1/4		1/4		1/4		1/4	4,559.57	1/4	4,265.93	1/4	3,972.29	1/4	3,678.65	1/4	3,385.01	1/4	3,051.36	1/4	2,691.50
1/2		1/2		1/2		1/2	4,553.45	1/2	4,259.81	1/2	3,966.17	1/2	3,672.53	1/2	3,378.89	1/2	3,043.86	1/2	2,684.01
3/4		3/4		3/4		3/4	4,547.33	3/4	4,253.69	3/4	3,960.05	3/4	3,666.41	3/4	3,372.77	3/4	3,036.37	3/4	2,676.51

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29036"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,309.16	0	1,949.12	0	1,588.91	0	1,229.07	0	870.26	0	510.66	0	150.39	0		0		0	
1/4	2,301.66	1/4	1,941.62	1/4	1,581.41	1/4	1,221.61	1/4	862.76	1/4	503.16	1/4	142.88	1/4	1/4	1/4		1/4	1/4
1/2	2,294.16	1/2	1,934.12	1/2	1,573.90	1/2	1,214.14	1/2	855.25	1/2	495.65	1/2	135.38	1/2	1/2	1/2		1/2	1/2
3/4	2,286.67	3/4	1,926.61	3/4	1,566.40	3/4	1,206.67	3/4	847.75	3/4	488.15	3/4	127.87	3/4	3/4	3/4		3/4	3/4
1	2,279.17	1	1,919.11	1	1,558.90	1	1,199.20	1	840.24	1	480.64	1	120.37	1	1	1		1	1
1/4	2,271.67	1/4	1,911.60	1/4	1,551.39	1/4	1,191.74	1/4	832.74	1/4	473.13	1/4	112.86	1/4	1/4	1/4		1/4	1/4
1/2	2,264.18	1/2	1,904.10	1/2	1,543.89	1/2	1,184.27	1/2	825.23	1/2	465.63	1/2	105.36	1/2	1/2	1/2		1/2	1/2
3/4	2,256.68	3/4	1,896.59	3/4	1,536.38	3/4	1,176.80	3/4	817.72	3/4	458.12	3/4	97.85	3/4	3/4	3/4		3/4	3/4
2	2,249.18	2	1,889.09	2	1,528.88	2	1,169.33	2	810.22	2	450.62	2	90.34	2	2	2		2	2
1/4	2,241.68	1/4	1,881.58	1/4	1,521.37	1/4	1,161.87	1/4	802.71	1/4	443.11	1/4	82.84	1/4	1/4	1/4		1/4	1/4
1/2	2,234.19	1/2	1,874.08	1/2	1,513.87	1/2	1,154.40	1/2	795.21	1/2	435.61	1/2	75.33	1/2	1/2	1/2		1/2	1/2
3/4	2,226.69	3/4	1,866.58	3/4	1,506.36	3/4	1,146.93	3/4	787.70	3/4	428.10	3/4	67.83	3/4	3/4	3/4		3/4	3/4
3	2,219.19	3	1,859.07	3	1,498.86	3	1,139.46	3	780.20	3	420.59	3	60.32	3	3	3		3	3
1/4	2,211.70	1/4	1,851.57	1/4	1,491.36	1/4	1,132.00	1/4	772.71	1/4	413.09	1/4	53.75	1/4	1/4	1/4		1/4	1/4
1/2	2,204.20	1/2	1,844.06	1/2	1,483.85	1/2	1,124.53	1/2	765.23	1/2	405.58	1/2	47.19	1/2	1/2	1/2		1/2	1/2
3/4	2,196.70	3/4	1,836.56	3/4	1,476.35	3/4	1,117.06	3/4	757.74	3/4	398.08	3/4	40.62	3/4	3/4	3/4		3/4	3/4
4	2,189.21	4	1,829.05	4	1,468.84	4	1,109.60	4	750.26	4	390.57	4	34.05	4	4	4		4	4
1/4	2,181.71	1/4	1,821.55	1/4	1,461.34	1/4	1,102.13	1/4	742.77	1/4	383.07	1/4	29.36	1/4	1/4	1/4		1/4	1/4
1/2	2,174.21	1/2	1,814.04	1/2	1,453.83	1/2	1,094.66	1/2	735.29	1/2	375.56	1/2	24.67	1/2	1/2	1/2		1/2	1/2
3/4	2,166.71	3/4	1,806.54	3/4	1,446.33	3/4	1,087.19	3/4	727.80	3/4	368.05	3/4	19.98	3/4	3/4	3/4		3/4	3/4
5	2,159.22	5	1,799.04	5	1,438.82	5	1,079.73	5	720.32	5	360.55	5	15.29	5	5	5		5	5
1/4	2,151.72	1/4	1,791.53	1/4	1,431.32	1/4	1,072.26	1/4	712.83	1/4	353.04	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,144.22	1/2	1,784.03	1/2	1,423.82	1/2	1,064.79	1/2	705.35	1/2	345.54	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,136.73	3/4	1,776.52	3/4	1,416.31	3/4	1,057.32	3/4	697.86	3/4	338.03	3/4		3/4	3/4	3/4		3/4	3/4
6	2,129.23	6	1,769.02	6	1,408.81	6	1,049.86	6	690.38	6	330.53	6		6	6	6		6	6
1/4	2,121.73	1/4	1,761.51	1/4	1,401.30	1/4	1,042.39	1/4	682.90	1/4	323.02	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,114.22	1/2	1,754.01	1/2	1,393.80	1/2	1,034.92	1/2	675.41	1/2	315.51	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,106.72	3/4	1,746.51	3/4	1,386.29	3/4	1,027.45	3/4	667.93	3/4	308.01	3/4		3/4	3/4	3/4		3/4	3/4
7	2,099.21	7	1,739.00	7	1,378.79	7	1,019.99	7	660.44	7	300.50	7		7	7	7		7	7
1/4	2,091.71	1/4	1,731.50	1/4	1,371.29	1/4	1,012.52	1/4	652.96	1/4	293.00	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,084.20	1/2	1,723.99	1/2	1,363.78	1/2	1,005.05	1/2	645.47	1/2	285.49	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,076.70	3/4	1,716.49	3/4	1,356.28	3/4	997.58	3/4	637.99	3/4	277.99	3/4		3/4	3/4	3/4		3/4	3/4
8	2,069.19	8	1,708.98	8	1,348.77	8	990.12	8	630.50	8	270.48	8		8	8	8		8	8
1/4	2,061.69	1/4	1,701.48	1/4	1,341.27	1/4	982.65	1/4	623.02	1/4	262.97	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,054.19	1/2	1,693.97	1/2	1,333.76	1/2	975.18	1/2	615.53	1/2	255.47	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,046.68	3/4	1,686.47	3/4	1,326.26	3/4	967.71	3/4	608.05	3/4	247.96	3/4		3/4	3/4	3/4		3/4	3/4
9	2,039.18	9	1,678.97	9	1,318.75	9	960.25	9	600.56	9	240.46	9		9	9	9		9	9
1/4	2,031.67	1/4	1,671.46	1/4	1,311.27	1/4	952.76	1/4	593.08	1/4	232.95	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,024.17	1/2	1,663.96	1/2	1,303.78	1/2	945.28	1/2	585.59	1/2	225.45	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,016.66	3/4	1,656.45	3/4	1,296.30	3/4	937.79	3/4	578.11	3/4	217.94	3/4		3/4	3/4	3/4		3/4	3/4
10	2,009.16	10	1,648.95	10	1,288.81	10	930.30	10	570.62	10	210.44	10		10	10	10		10	10
1/4	2,001.65	1/4	1,641.44	1/4	1,281.35	1/4	922.80	1/4	563.14	1/4	202.93	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,994.15	1/2	1,633.94	1/2	1,273.88	1/2	915.29	1/2	555.66	1/2	195.42	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,986.65	3/4	1,626.43	3/4	1,266.41	3/4	907.79	3/4	548.17	3/4	187.92	3/4		3/4	3/4	3/4		3/4	3/4
11	1,979.14	11	1,618.93	11	1,258.94	11	900.29	11	540.69	11	180.41	11		11	11	11		11	11
1/4	1,971.64	1/4	1,611.43	1/4	1,251.48	1/4	892.78	1/4	533.18	1/4	172.91	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,964.13	1/2	1,603.92	1/2	1,244.01	1/2	885.28	1/2	525.67	1/2	165.40	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,956.63	3/4	1,596.42	3/4	1,236.54	3/4	877.77	3/4	518.17	3/4	157.90	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/14/2011 CL - SW
CALCULATED: 02/14/2011 CL
PRINTED: 02/14/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2011

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



BARGE "KIRBY 29036"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,528.15	1/4	4,234.45	1/4	3,940.75	1/4	3,647.05	1/4	3,353.36	1/4	3,017.27	1/4	2,657.94
1/2		1/2		1/2		1/2	4,522.03	1/2	4,228.33	1/2	3,934.63	1/2	3,640.93	1/2	3,347.24	1/2	3,009.79	1/2	2,650.46
3/4		3/4		3/4		3/4	4,515.91	3/4	4,222.21	3/4	3,928.51	3/4	3,634.82	3/4	3,341.12	3/4	3,002.30	3/4	2,642.97
1		1		1		1	4,509.79	1	4,216.09	1	3,922.39	1	3,628.70	1	3,335.00	1	2,994.81	1	2,635.49
1/4		1/4		1/4		1/4	4,503.67	1/4	4,209.97	1/4	3,916.28	1/4	3,622.58	1/4	3,328.88	1/4	2,987.33	1/4	2,628.00
1/2		1/2		1/2		1/2	4,497.55	1/2	4,203.85	1/2	3,910.16	1/2	3,616.46	1/2	3,322.76	1/2	2,979.84	1/2	2,620.51
3/4		3/4		3/4		3/4	4,491.43	3/4	4,197.74	3/4	3,904.04	3/4	3,610.34	3/4	3,316.64	3/4	2,972.36	3/4	2,613.03
2		2		2		2	4,485.31	2	4,191.62	2	3,897.92	2	3,604.22	2	3,310.52	2	2,964.87	2	2,605.54
1/4		1/4		1/4		1/4	4,479.20	1/4	4,185.50	1/4	3,891.80	1/4	3,598.10	1/4	3,304.41	1/4	2,957.38	1/4	2,598.06
1/2		1/2		1/2		1/2	4,473.08	1/2	4,179.38	1/2	3,885.68	1/2	3,591.98	1/2	3,298.29	1/2	2,949.90	1/2	2,590.57
3/4		3/4		3/4		3/4	4,466.96	3/4	4,173.26	3/4	3,879.56	3/4	3,585.87	3/4	3,292.17	3/4	2,942.41	3/4	2,583.08
3		3		3		3	4,460.84	3	4,167.14	3	3,873.44	3	3,579.75	3	3,286.05	3	2,934.93	3	2,575.60
1/4		1/4		1/4		1/4	4,454.72	1/4	4,161.02	1/4	3,867.33	1/4	3,573.63	1/4	3,279.93	1/4	2,927.44	1/4	2,568.11
1/2		1/2		1/2		1/2	4,448.60	1/2	4,154.90	1/2	3,861.21	1/2	3,567.51	1/2	3,273.81	1/2	2,919.95	1/2	2,560.63
3/4		3/4		3/4		3/4	4,442.48	3/4	4,148.79	3/4	3,855.09	3/4	3,561.39	3/4	3,267.69	3/4	2,912.47	3/4	2,553.14
4		4		4		4	4,436.37	4	4,142.67	4	3,848.97	4	3,555.27	4	3,261.57	4	2,904.98	4	2,545.65
1/4		1/4		1/4		1/4	4,430.25	1/4	4,136.55	1/4	3,842.85	1/4	3,549.15	1/4	3,255.46	1/4	2,897.50	1/4	2,538.17
1/2		1/2		1/2		1/2	4,424.13	1/2	4,130.43	1/2	3,836.73	1/2	3,543.03	1/2	3,249.34	1/2	2,890.01	1/2	2,530.68
3/4		3/4		3/4		3/4	4,418.01	3/4	4,124.31	3/4	3,830.61	3/4	3,536.92	3/4	3,243.15	3/4	2,882.52	3/4	2,523.20
5		5		5		5	4,411.89	5	4,118.19	5	3,824.50	5	3,530.80	5	3,237.04	5	2,875.04	5	2,515.71
1/4		1/4		1/4		1/4	4,405.77	1/4	4,112.07	1/4	3,818.38	1/4	3,524.68	1/4	3,230.88	1/4	2,867.55	1/4	2,508.22
1/2		1/2		1/2		1/2	4,399.65	1/2	4,105.96	1/2	3,812.26	1/2	3,518.56	1/2	3,224.72	1/2	2,860.07	1/2	2,500.74
3/4		3/4		3/4		3/4	4,393.53	3/4	4,099.84	3/4	3,806.14	3/4	3,512.44	3/4	3,218.56	3/4	2,852.58	3/4	2,493.25
6		6		6		6	4,387.42	6	4,093.72	6	3,800.02	6	3,506.32	6	3,212.40	6	2,845.09	6	2,485.77
1/4		1/4		1/4		1/4	4,381.30	1/4	4,087.60	1/4	3,793.90	1/4	3,500.20	1/4	3,206.24	1/4	2,837.61	1/4	2,478.28
1/2		1/2		1/2		1/2	4,375.18	1/2	4,081.48	1/2	3,787.78	1/2	3,494.09	1/2	3,199.95	1/2	2,830.12	1/2	2,470.79
3/4		3/4		3/4		3/4	4,369.06	3/4	4,075.36	3/4	3,781.66	3/4	3,487.97	3/4	3,193.80	3/4	2,822.64	3/4	2,463.31
7		7		7		7	4,656.67	7	4,069.24	7	3,775.55	7	3,481.85	7	3,187.64	7	2,815.15	7	2,455.82
1/4		1/4		1/4		1/4	4,652.60	1/4	4,063.12	1/4	3,769.43	1/4	3,475.73	1/4	3,181.48	1/4	2,807.66	1/4	2,448.34
1/2		1/2		1/2		1/2	4,648.53	1/2	4,057.01	1/2	3,763.31	1/2	3,469.61	1/2	3,175.32	1/2	2,800.18	1/2	2,440.85
3/4		3/4		3/4		3/4	4,643.22	3/4	4,050.89	3/4	3,757.19	3/4	3,463.49	3/4	3,169.16	3/4	2,792.69	3/4	2,433.37
8		8		8		8	4,637.90	8	4,044.77	8	3,751.07	8	3,457.37	8	3,163.00	8	2,785.21	8	2,425.88
1/4		1/4		1/4		1/4	4,632.58	1/4	4,038.65	1/4	3,744.95	1/4	3,451.25	1/4	3,156.84	1/4	2,777.72	1/4	2,418.40
1/2		1/2		1/2		1/2	4,627.27	1/2	4,032.53	1/2	3,738.83	1/2	3,445.14	1/2	3,150.68	1/2	2,770.23	1/2	2,410.91
3/4		3/4		3/4		3/4	4,620.70	3/4	4,026.41	3/4	3,732.71	3/4	3,439.02	3/4	3,144.52	3/4	2,762.75	3/4	2,403.43
9		9		9		9	4,614.13	9	4,020.29	9	3,726.60	9	3,432.90	9	3,138.36	9	2,755.26	9	2,395.95
1/4		1/4		1/4		1/4	4,607.56	1/4	4,014.17	1/4	3,720.48	1/4	3,426.78	1/4	3,132.20	1/4	2,747.78	1/4	2,388.47
1/2		1/2		1/2		1/2	4,600.99	1/2	4,008.06	1/2	3,714.36	1/2	3,420.66	1/2	3,126.04	1/2	2,740.29	1/2	2,380.99
3/4		3/4		3/4		3/4	4,593.49	3/4	4,001.94	3/4	3,708.24	3/4	3,414.54	3/4	3,119.88	3/4	2,732.80	3/4	2,373.50
10		10		10		10	4,585.98	10	3,995.82	10	3,702.12	10	3,408.42	10	3,113.72	10	2,725.32	10	2,366.02
1/4		1/4		1/4		1/4	4,578.48	1/4	3,989.70	1/4	3,696.00	1/4	3,402.30	1/4	3,107.56	1/4	2,717.83	1/4	2,358.54
1/2		1/2		1/2		1/2	4,570.98	1/2	3,983.58	1/2	3,689.88	1/2	3,396.19	1/2	3,101.40	1/2	2,710.35	1/2	2,351.06
3/4		3/4		3/4		3/4	4,564.86	3/4	3,977.46	3/4	3,683.76	3/4	3,390.07	3/4	3,095.24	3/4	2,702.86	3/4	2,343.58
11		11		11		11	4,558.74	11	3,971.34	11	3,677.65	11	3,383.95	11	3,089.08	11	2,695.37	11	2,336.10
1/4		1/4		1/4		1/4	4,552.62	1/4	3,965.23	1/4	3,671.53	1/4	3,377.83	1/4	3,082.92	1/4	2,687.89	1/4	2,328.61
1/2		1/2		1/2		1/2	4,546.50	1/2	3,959.11	1/2	3,665.41	1/2	3,371.71	1/2	3,076.76	1/2	2,680.40	1/2	2,321.13
3/4		3/4		3/4		3/4	4,540.38	3/4	3,952.99	3/4	3,659.29	3/4	3,365.59	3/4	3,070.60	3/4	2,672.92	3/4	2,313.65
12		12		12		12	4,534.26	12	3,946.87	12	3,653.17	12	3,359.47	12	3,064.44	12	2,665.43	12	2,306.17

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29036"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,291.20	1/4	1,932.74	1/4	1,574.55	1/4	1,217.24	1/4	868.89	1/4	509.91	1/4	150.20	1/4	1/4	1/4	1/4	1/4	
1/2	2,283.72	1/2	1,925.29	1/2	1,567.06	1/2	1,210.03	1/2	861.40	1/2	502.41	1/2	142.70	1/2	1/2	1/2	1/2	1/2	
3/4	2,276.24	3/4	1,917.85	3/4	1,559.57	3/4	1,202.82	3/4	853.90	3/4	494.92	3/4	135.21	3/4	3/4	3/4	3/4	3/4	
1	2,268.76	1	1,910.41	1	1,552.08	1	1,195.61	1	846.41	1	487.42	1	127.71	1	1	1	1	1	
1/4	2,261.28	1/4	1,902.97	1/4	1,544.59	1/4	1,188.40	1/4	838.91	1/4	479.93	1/4	120.22	1/4	1/4	1/4	1/4	1/4	
1/2	2,253.79	1/2	1,895.53	1/2	1,537.10	1/2	1,181.19	1/2	831.42	1/2	472.44	1/2	112.73	1/2	1/2	1/2	1/2	1/2	
3/4	2,246.31	3/4	1,888.09	3/4	1,529.61	3/4	1,173.98	3/4	823.93	3/4	464.94	3/4	105.23	3/4	3/4	3/4	3/4	3/4	
2	2,238.82	2	1,880.64	2	1,522.12	2	1,166.77	2	816.43	2	457.45	2	97.74	2	2	2	2	2	
1/4	2,231.34	1/4	1,873.20	1/4	1,514.63	1/4	1,159.56	1/4	808.94	1/4	449.95	1/4	90.25	1/4	1/4	1/4	1/4	1/4	
1/2	2,223.85	1/2	1,865.76	1/2	1,507.13	1/2	1,152.35	1/2	801.44	1/2	442.46	1/2	82.75	1/2	1/2	1/2	1/2	1/2	
3/4	2,216.37	3/4	1,858.32	3/4	1,499.64	3/4	1,145.14	3/4	793.95	3/4	434.97	3/4	75.26	3/4	3/4	3/4	3/4	3/4	
3	2,208.88	3	1,850.88	3	1,492.15	3	1,137.93	3	786.45	3	427.47	3	67.77	3	3	3	3	3	
1/4	2,201.39	1/4	1,843.44	1/4	1,484.66	1/4	1,130.72	1/4	778.96	1/4	419.98	1/4	60.27	1/4	1/4	1/4	1/4	1/4	
1/2	2,193.90	1/2	1,835.99	1/2	1,477.17	1/2	1,123.51	1/2	771.49	1/2	412.48	1/2	53.72	1/2	1/2	1/2	1/2	1/2	
3/4	2,186.42	3/4	1,828.55	3/4	1,469.68	3/4	1,116.30	3/4	764.02	3/4	404.99	3/4	47.16	3/4	3/4	3/4	3/4	3/4	
4	2,178.93	4	1,821.11	4	1,462.19	4	1,109.09	4	756.55	4	397.50	4	40.61	4	4	4	4	4	
1/4	2,171.44	1/4	1,813.67	1/4	1,454.70	1/4	1,101.88	1/4	749.08	1/4	390.00	1/4	34.05	1/4	1/4	1/4	1/4	1/4	
1/2	2,163.96	1/2	1,806.23	1/2	1,447.21	1/2	1,094.67	1/2	741.60	1/2	382.51	1/2	29.36	1/2	1/2	1/2	1/2	1/2	
3/4	2,156.47	3/4	1,798.79	3/4	1,439.72	3/4	1,087.46	3/4	734.13	3/4	375.01	3/4	24.67	3/4	3/4	3/4	3/4	3/4	
5	2,148.98	5	1,791.35	5	1,432.23	5	1,080.25	5	726.66	5	367.52	5	19.98	5	5	5	5	5	
1/4	2,141.50	1/4	1,783.90	1/4	1,424.73	1/4	1,073.04	1/4	719.19	1/4	360.03	1/4	15.29	1/4	1/4	1/4	1/4	1/4	
1/2	2,134.01	1/2	1,776.46	1/2	1,417.24	1/2	1,065.83	1/2	711.72	1/2	352.53	1/2	11.72	1/2	1/2	1/2	1/2	1/2	
3/4	2,126.52	3/4	1,769.02	3/4	1,409.75	3/4	1,058.62	3/4	704.25	3/4	345.04	3/4	7.25	3/4	3/4	3/4	3/4	3/4	
6	2,119.04	6	1,761.58	6	1,402.26	6	1,051.41	6	696.78	6	337.54	6	6	6	6	6	6	6	
1/4	2,111.55	1/4	1,754.14	1/4	1,394.77	1/4	1,044.20	1/4	689.31	1/4	330.05	1/4	6	1/4	1/4	1/4	1/4	1/4	
1/2	2,104.05	1/2	1,746.70	1/2	1,387.28	1/2	1,036.99	1/2	681.83	1/2	322.56	1/2	6	1/2	1/2	1/2	1/2	1/2	
3/4	2,096.56	3/4	1,739.25	3/4	1,379.79	3/4	1,029.78	3/4	674.36	3/4	315.06	3/4	6	3/4	3/4	3/4	3/4	3/4	
7	2,089.06	7	1,731.81	7	1,372.30	7	1,022.57	7	666.89	7	307.57	7	7	7	7	7	7	7	
1/4	2,081.57	1/4	1,724.37	1/4	1,364.81	1/4	1,015.36	1/4	659.42	1/4	300.07	1/4	7	1/4	1/4	1/4	1/4	1/4	
1/2	2,074.13	1/2	1,716.88	1/2	1,357.32	1/2	1,008.15	1/2	651.95	1/2	292.58	1/2	7	1/2	1/2	1/2	1/2	1/2	
3/4	2,066.68	3/4	1,709.39	3/4	1,349.83	3/4	1,000.94	3/4	644.48	3/4	285.09	3/4	7	3/4	3/4	3/4	3/4	3/4	
8	2,059.24	8	1,701.90	8	1,342.33	8	993.73	8	637.01	8	277.59	8	8	8	8	8	8	8	
1/4	2,051.80	1/4	1,694.41	1/4	1,334.84	1/4	986.52	1/4	629.54	1/4	270.10	1/4	8	1/4	1/4	1/4	1/4	1/4	
1/2	2,044.36	1/2	1,686.92	1/2	1,327.35	1/2	979.32	1/2	622.07	1/2	262.60	1/2	8	1/2	1/2	1/2	1/2	1/2	
3/4	2,036.92	3/4	1,679.43	3/4	1,319.86	3/4	972.11	3/4	614.59	3/4	255.11	3/4	8	3/4	3/4	3/4	3/4	3/4	
9	2,029.48	9	1,671.93	9	1,312.37	9	964.90	9	607.12	9	247.62	9	9	9	9	9	9	9	
1/4	2,022.03	1/4	1,664.44	1/4	1,304.88	1/4	957.69	1/4	599.65	1/4	240.12	1/4	9	1/4	1/4	1/4	1/4	1/4	
1/2	2,014.59	1/2	1,656.95	1/2	1,297.39	1/2	950.48	1/2	592.18	1/2	232.63	1/2	9	1/2	1/2	1/2	1/2	1/2	
3/4	2,007.15	3/4	1,649.46	3/4	1,289.90	3/4	943.27	3/4	584.71	3/4	225.13	3/4	9	3/4	3/4	3/4	3/4	3/4	
10	1,999.71	10	1,641.97	10	1,282.41	10	936.06	10	577.24	10	217.64	10	10	10	10	10	10	10	
1/4	1,992.27	1/4	1,634.48	1/4	1,274.92	1/4	928.85	1/4	569.77	1/4	210.15	1/4	10	1/4	1/4	1/4	1/4	1/4	
1/2	1,984.83	1/2	1,626.99	1/2	1,267.41	1/2	921.35	1/2	562.30	1/2	202.65	1/2	10	1/2	1/2	1/2	1/2	1/2	
3/4	1,977.39	3/4	1,619.50	3/4	1,260.50	3/4	913.86	3/4	554.82	3/4	195.16	3/4	10	3/4	3/4	3/4	3/4	3/4	
11	1,969.94	11	1,612.01	11	1,253.29	11	906.36	11	547.35	11	187.67	11	11	11	11	11	11	11	
1/4	1,962.50	1/4	1,604.52	1/4	1,246.08	1/4	898.87	1/4	539.88	1/4	180.17	1/4	11	1/4	1/4	1/4	1/4	1/4	
1/2	1,955.06	1/2	1,597.03	1/2	1,238.87	1/2	891.37	1/2	532.39	1/2	172.68	1/2	11	1/2	1/2	1/2	1/2	1/2	
3/4	1,947.62	3/4	1,589.53	3/4	1,231.66	3/4	883.88	3/4	524.89	3/4	165.18	3/4	11	3/4	3/4	3/4	3/4	3/4	

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