



BARGE "KIRBY 28082"

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	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-7/8	- 01-7/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4
1 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4
2 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
2 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
3 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
3 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8

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

LENGTH BETWEEN DRAFT MARKS: 241'-00"

August 24, 2006

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28082"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 7/8"

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	
0		0		0		0		0	4,520.38	0	4,188.15	0	3,832.09	0	3,465.81	0	3,099.53	0	2,733.25
1/4	1/4	1/4	1/4	1/4	3/8	1/4	1/4	1/4	4,835.75	1/4	4,513.69	1/4	4,180.94	1/4	3,824.46	1/4	3,458.18	1/4	3,091.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,832.93	1/2	4,507.01	1/2	4,173.72	1/2	3,816.83	1/2	3,450.55	1/2	3,084.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,827.29	3/4	4,500.32	3/4	4,166.51	3/4	3,809.20	3/4	3,442.92	3/4	3,071.10
1		1		1		1		1	4,821.06	1	4,493.61	1	4,159.27	1	3,801.57	1	3,435.29	1	3,069.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,814.22	1/4	4,486.89	1/4	4,152.02	1/4	3,793.93	1/4	3,427.66	1/4	3,061.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,807.39	1/2	4,480.17	1/2	4,144.77	1/2	3,786.30	1/2	3,420.03	1/2	3,053.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,800.56	3/4	4,473.45	3/4	4,137.52	3/4	3,778.67	3/4	3,412.39	3/4	3,046.12
2		2		2		2		2	4,793.42	2	4,466.71	2	4,130.25	2	3,771.04	2	3,404.76	2	3,038.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,785.95	1/4	4,459.95	1/4	4,122.96	1/4	3,763.41	1/4	3,397.13	1/4	3,030.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,778.48	1/2	4,453.20	1/2	4,115.67	1/2	3,755.78	1/2	3,389.50	1/2	3,023.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,771.02	3/4	4,446.44	3/4	4,108.38	3/4	3,748.15	3/4	3,381.87	3/4	3,015.59
3		3		3		3		3	4,763.51	3	4,439.67	3	4,101.07	3	3,740.52	3	3,374.24	3	3,007.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,755.96	1/4	4,432.87	1/4	4,093.75	1/4	3,732.89	1/4	3,366.61	1/4	3,000.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,748.42	1/2	4,426.08	1/2	4,086.42	1/2	3,725.26	1/2	3,358.98	1/2	2,992.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,740.87	3/4	4,419.29	3/4	4,079.10	3/4	3,717.63	3/4	3,351.35	3/4	2,985.07
4		4		4		4		4	4,733.46	4	4,412.47	4	4,071.76	4	3,710.00	4	3,343.72	4	2,977.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,726.20	1/4	4,405.64	1/4	4,064.40	1/4	3,702.37	1/4	3,336.09	1/4	2,969.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,718.93	1/2	4,398.81	1/2	4,057.04	1/2	3,694.73	1/2	3,328.46	1/2	2,962.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,711.66	3/4	4,391.98	3/4	4,049.69	3/4	3,687.10	3/4	3,320.83	3/4	2,954.55
5		5		5		5		5	4,704.67	5	4,385.13	5	4,042.31	5	3,679.47	5	3,313.19	5	2,946.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,697.95	1/4	4,378.26	1/4	4,034.92	1/4	3,671.84	1/4	3,305.56	1/4	2,939.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,691.24	1/2	4,371.40	1/2	4,027.53	1/2	3,664.21	1/2	3,297.93	1/2	2,931.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,684.52	3/4	4,364.53	3/4	4,020.13	3/4	3,656.58	3/4	3,290.30	3/4	2,924.02
6		6		6		6		6	4,677.93	6	4,357.64	6	4,012.72	6	3,648.95	6	3,282.67	6	2,916.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,671.46	1/4	4,350.73	1/4	4,005.29	1/4	3,641.32	1/4	3,275.04	1/4	2,908.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,664.99	1/2	4,343.83	1/2	3,997.86	1/2	3,633.69	1/2	3,267.41	1/2	2,901.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,658.53	3/4	4,336.92	3/4	3,990.43	3/4	3,626.06	3/4	3,259.78	3/4	2,893.50
7		7		7		7		7	4,652.04	7	4,329.99	7	3,982.98	7	3,618.43	7	3,252.15	7	2,885.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,645.54	1/4	4,323.02	1/4	3,975.52	1/4	3,610.80	1/4	3,244.52	1/4	2,878.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,639.04	1/2	4,316.06	1/2	3,968.05	1/2	3,603.16	1/2	3,236.89	1/2	2,870.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,632.53	3/4	4,309.10	3/4	3,960.58	3/4	3,595.53	3/4	3,229.26	3/4	2,862.98
8		8		8		8		8	4,626.01	8	4,302.09	8	3,953.10	8	3,587.90	8	3,221.62	8	2,855.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,619.47	1/4	4,295.05	1/4	3,945.59	1/4	3,580.27	1/4	3,213.99	1/4	2,847.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,612.93	1/2	4,288.00	1/2	3,938.09	1/2	3,572.64	1/2	3,206.36	1/2	2,840.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,606.39	3/4	4,280.96	3/4	3,930.58	3/4	3,565.01	3/4	3,198.73	3/4	2,832.45
9		9		9		9		9	4,599.83	9	4,273.89	9	3,923.06	9	3,557.38	9	3,191.10	9	2,824.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,593.25	1/4	4,266.78	1/4	3,915.52	1/4	3,549.75	1/4	3,183.47	1/4	2,817.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,586.67	1/2	4,259.68	1/2	3,907.98	1/2	3,542.12	1/2	3,175.84	1/2	2,809.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,580.09	3/4	4,252.58	3/4	3,900.43	3/4	3,534.49	3/4	3,168.21	3/4	2,801.93
10		10		10		10		10	4,573.49	10	4,245.46	10	3,892.87	10	3,526.86	10	3,160.58	10	2,794.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,566.88	1/4	4,238.32	1/4	3,885.29	1/4	3,519.23	1/4	3,152.95	1/4	2,786.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,560.26	1/2	4,231.18	1/2	3,877.71	1/2	3,511.60	1/2	3,145.32	1/2	2,779.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,553.65	3/4	4,224.04	3/4	3,870.13	3/4	3,503.96	3/4	3,137.69	3/4	2,771.41
11		11		11		11		11	4,547.01	11	4,216.88	11	3,862.54	11	3,496.33	11	3,130.06	11	2,763.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,540.36	1/4	4,209.70	1/4	3,854.93	1/4	3,488.70	1/4	3,122.42	1/4	2,756.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,533.71	1/2	4,202.52	1/2	3,847.32	1/2	3,481.07	1/2	3,114.79	1/2	2,748.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,527.05	3/4	4,195.35	3/4	3,839.71	3/4	3,473.44	3/4	3,107.16	3/4	2,740.88

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 53'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28082"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 7/8"

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	2,366.98	0	2,000.70	0	1,634.41	0	1,268.77	0	904.56	0	538.66	0	191.55	0		0		0	
1/4	2,359.34	1/4	1,993.07	1/4	1,626.77	1/4	1,261.13	1/4	896.98	1/4	531.03	1/4	184.85	1/4		1/4		1/4	
1/2	2,351.71	1/2	1,985.44	1/2	1,619.14	1/2	1,253.50	1/2	889.40	1/2	523.40	1/2	178.16	1/2		1/2		1/2	
3/4	2,344.08	3/4	1,977.81	3/4	1,611.51	3/4	1,245.87	3/4	881.83	3/4	515.77	3/4	171.46	3/4		3/4		3/4	
1	2,336.45	1	1,970.17	1	1,603.88	1	1,238.24	1	874.25	1	508.15	1	164.80	1		1		1	
1/4	2,328.82	1/4	1,962.54	1/4	1,596.25	1/4	1,230.61	1/4	866.66	1/4	500.54	1/4	158.19	1/4		1/4		1/4	
1/2	2,321.19	1/2	1,954.91	1/2	1,588.62	1/2	1,222.98	1/2	859.07	1/2	492.93	1/2	151.58	1/2		1/2		1/2	
3/4	2,313.56	3/4	1,947.28	3/4	1,580.99	3/4	1,215.34	3/4	851.48	3/4	485.31	3/4	144.97	3/4		3/4		3/4	
2	2,305.93	2	1,939.65	2	1,573.36	2	1,207.72	2	843.87	2	477.74	2	138.40	2		2		2	
1/4	2,298.30	1/4	1,932.02	1/4	1,565.73	1/4	1,200.10	1/4	836.26	1/4	470.19	1/4	131.89	1/4		1/4		1/4	
1/2	2,290.67	1/2	1,924.39	1/2	1,558.09	1/2	1,192.49	1/2	828.64	1/2	462.64	1/2	125.37	1/2		1/2		1/2	
3/4	2,283.04	3/4	1,916.76	3/4	1,550.46	3/4	1,184.87	3/4	821.02	3/4	455.09	3/4	118.85	3/4		3/4		3/4	
3	2,275.41	3	1,909.13	3	1,542.83	3	1,177.26	3	813.40	3	447.59	3	112.38	3		3		3	
1/4	2,267.77	1/4	1,901.49	1/4	1,535.20	1/4	1,169.67	1/4	805.77	1/4	440.13	1/4	105.95	1/4		1/4		1/4	
1/2	2,260.14	1/2	1,893.86	1/2	1,527.57	1/2	1,162.08	1/2	798.14	1/2	432.67	1/2	99.53	1/2		1/2		1/2	
3/4	2,252.51	3/4	1,886.23	3/4	1,519.94	3/4	1,154.49	3/4	790.50	3/4	425.20	3/4	93.11	3/4		3/4		3/4	
4	2,244.88	4	1,878.60	4	1,512.31	4	1,146.91	4	782.87	4	417.78	4	86.74	4		4		4	
1/4	2,237.25	1/4	1,870.97	1/4	1,504.68	1/4	1,139.34	1/4	775.24	1/4	410.41	1/4	80.42	1/4		1/4		1/4	
1/2	2,229.62	1/2	1,863.34	1/2	1,497.05	1/2	1,131.76	1/2	767.61	1/2	403.03	1/2	74.11	1/2		1/2		1/2	
3/4	2,221.99	3/4	1,855.71	3/4	1,489.41	3/4	1,124.19	3/4	759.98	3/4	395.65	3/4	67.79	3/4		3/4		3/4	
5	2,214.36	5	1,848.08	5	1,481.79	5	1,116.61	5	752.35	5	388.32	5	61.53	5		5		5	
1/4	2,206.73	1/4	1,840.45	1/4	1,474.17	1/4	1,109.04	1/4	744.72	1/4	381.02	1/4	55.33	1/4		1/4		1/4	
1/2	2,199.10	1/2	1,832.81	1/2	1,466.56	1/2	1,101.46	1/2	737.08	1/2	373.73	1/2	49.13	1/2		1/2		1/2	
3/4	2,191.47	3/4	1,825.18	3/4	1,458.94	3/4	1,093.89	3/4	729.45	3/4	366.44	3/4	42.93	3/4		3/4		3/4	
6	2,183.84	6	1,817.55	6	1,451.33	6	1,086.32	6	721.82	6	359.19	6	37.08	6		6		6	
1/4	2,176.21	1/4	1,809.92	1/4	1,443.72	1/4	1,078.74	1/4	714.19	1/4	351.98	1/4	31.58	1/4		1/4		1/4	
1/2	2,168.57	1/2	1,802.29	1/2	1,436.12	1/2	1,071.17	1/2	706.56	1/2	344.77	1/2	26.08	1/2		1/2		1/2	
3/4	2,160.94	3/4	1,794.66	3/4	1,428.52	3/4	1,063.60	3/4	698.93	3/4	337.57	3/4	20.57	3/4		3/4		3/4	
7	2,153.31	7	1,787.03	7	1,420.91	7	1,056.02	7	691.30	7	330.40	7	16.04	7		7		7	
1/4	2,145.68	1/4	1,779.40	1/4	1,413.31	1/4	1,048.45	1/4	683.66	1/4	323.28	1/4	12.48	1/4		1/4		1/4	
1/2	2,138.05	1/2	1,771.77	1/2	1,405.71	1/2	1,040.88	1/2	676.03	1/2	316.16	1/2	8.92	1/2		1/2		1/2	
3/4	2,130.42	3/4	1,764.13	3/4	1,398.10	3/4	1,033.30	3/4	668.40	3/4	309.03	3/4	5.37	3/4		3/4		3/4	
8	2,122.79	8	1,756.50	8	1,390.50	8	1,025.73	8	660.77	8	301.95	7 7/8	3.59	8		8		8	
1/4	2,115.16	1/4	1,748.87	1/4	1,382.90	1/4	1,018.16	1/4	653.14	1/4	294.92	1/4		1/4		1/4		1/4	
1/2	2,107.53	1/2	1,741.24	1/2	1,375.29	1/2	1,010.58	1/2	645.51	1/2	287.88	1/2		1/2		1/2		1/2	
3/4	2,099.90	3/4	1,733.61	3/4	1,367.69	3/4	1,003.01	3/4	637.88	3/4	280.84	3/4		3/4		3/4		3/4	
9	2,092.27	9	1,725.98	9	1,360.08	9	995.44	9	630.24	9	273.84	9		9		9		9	
1/4	2,084.64	1/4	1,718.35	1/4	1,352.48	1/4	987.86	1/4	622.61	1/4	266.89	1/4		1/4		1/4		1/4	
1/2	2,077.00	1/2	1,710.72	1/2	1,344.88	1/2	980.29	1/2	614.98	1/2	259.94	1/2		1/2		1/2		1/2	
3/4	2,069.37	3/4	1,703.09	3/4	1,337.27	3/4	972.72	3/4	607.35	3/4	252.98	3/4		3/4		3/4		3/4	
10	2,061.74	10	1,695.45	10	1,329.67	10	965.14	10	599.72	10	246.07	10		10		10		10	
1/4	2,054.11	1/4	1,687.82	1/4	1,322.06	1/4	957.57	1/4	592.09	1/4	239.21	1/4		1/4		1/4		1/4	
1/2	2,046.48	1/2	1,680.19	1/2	1,314.46	1/2	950.00	1/2	584.45	1/2	232.34	1/2		1/2		1/2		1/2	
3/4	2,038.85	3/4	1,672.56	3/4	1,306.86	3/4	942.42	3/4	576.82	3/4	225.47	3/4		3/4		3/4		3/4	
11	2,031.22	11	1,664.93	11	1,299.24	11	934.85	11	569.19	11	218.64	11		11		11		11	
1/4	2,023.59	1/4	1,657.30	1/4	1,291.63	1/4	927.28	1/4	561.56	1/4	211.86	1/4		1/4		1/4		1/4	
1/2	2,015.96	1/2	1,649.67	1/2	1,284.01	1/2	919.70	1/2	553.93	1/2	205.08	1/2		1/2		1/2		1/2	
3/4	2,008.33	3/4	1,642.04	3/4	1,276.39	3/4	912.13	3/4	546.30	3/4	198.29	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/23/2006 CL - SW
CALCULATED: 08/24/2006 CL
PRINTED: 08/24/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2006

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



BARGE "KIRBY 28082"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

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	
0		0		0		0		0	4,513.87	0	4,180.70	0	3,823.84	0	3,457.39	0	3,090.94	0	2,724.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,507.18	1/4	4,173.48	1/4	3,816.21	1/4	3,449.75	1/4	3,083.30	1/4	2,716.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,828.14	1/2	4,500.49	1/2	4,166.26	1/2	3,808.57	1/2	3,442.12	1/2	3,075.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,821.30	3/4	4,493.77	3/4	4,159.01	3/4	3,800.94	3/4	3,434.48	3/4	3,068.03
1		1		1		1		1	4,814.47	1	4,487.04	1	4,151.75	1	3,793.30	1	3,426.85	1	3,060.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,807.64	1/4	4,480.32	1/4	4,144.50	1/4	3,785.67	1/4	3,419.22	1/4	3,052.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,800.80	1/2	4,473.60	1/2	4,137.24	1/2	3,778.03	1/2	3,411.58	1/2	3,045.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,793.33	3/4	4,466.84	3/4	4,129.95	3/4	3,770.40	3/4	3,403.95	3/4	3,037.50
2		2		2		2		2	4,785.86	2	4,460.08	2	4,122.66	2	3,762.76	2	3,396.31	2	3,029.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,778.40	1/4	4,453.32	1/4	4,115.36	1/4	3,755.13	1/4	3,388.68	1/4	3,022.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,770.93	1/2	4,446.56	1/2	4,108.07	1/2	3,747.50	1/2	3,381.04	1/2	3,014.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,763.38	3/4	4,439.76	3/4	4,100.74	3/4	3,739.86	3/4	3,373.41	3/4	3,006.96
3		3		3		3		3	4,755.83	3	4,432.96	3	4,093.41	3	3,732.23	3	3,365.78	3	2,999.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,748.28	1/4	4,426.17	1/4	4,086.09	1/4	3,724.59	1/4	3,358.14	1/4	2,991.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,740.73	1/2	4,419.37	1/2	4,078.76	1/2	3,716.96	1/2	3,350.51	1/2	2,984.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,733.46	3/4	4,412.54	3/4	4,071.40	3/4	3,709.32	3/4	3,342.87	3/4	2,976.42
4		4		4		4		4	4,726.19	4	4,405.70	4	4,064.04	4	3,701.69	4	3,335.24	4	2,968.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,718.92	1/4	4,398.87	1/4	4,056.68	1/4	3,694.05	1/4	3,327.60	1/4	2,961.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,711.64	1/2	4,392.03	1/2	4,049.32	1/2	3,686.42	1/2	3,319.97	1/2	2,953.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,704.92	3/4	4,385.16	3/4	4,041.92	3/4	3,678.79	3/4	3,312.33	3/4	2,945.88
5		5		5		5		5	4,698.20	5	4,378.29	5	4,034.52	5	3,671.15	5	3,304.70	5	2,938.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,691.48	1/4	4,371.42	1/4	4,027.13	1/4	3,663.52	1/4	3,297.07	1/4	2,930.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,684.76	1/2	4,364.55	1/2	4,019.73	1/2	3,655.88	1/2	3,289.43	1/2	2,922.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,678.29	3/4	4,357.64	3/4	4,012.30	3/4	3,648.25	3/4	3,281.80	3/4	2,915.35
6		6		6		6		6	4,671.82	6	4,350.73	6	4,004.87	6	3,640.61	6	3,274.16	6	2,907.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,665.36	1/4	4,343.82	1/4	3,997.43	1/4	3,632.98	1/4	3,266.53	1/4	2,900.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,658.89	1/2	4,336.91	1/2	3,990.00	1/2	3,625.34	1/2	3,258.89	1/2	2,892.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,652.38	3/4	4,329.95	3/4	3,982.53	3/4	3,617.71	3/4	3,251.26	3/4	2,884.81
7		7		7		7		7	4,645.87	7	4,322.98	7	3,975.06	7	3,610.08	7	3,243.62	7	2,877.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,639.37	1/4	4,316.01	1/4	3,967.59	1/4	3,602.44	1/4	3,235.99	1/4	2,869.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,632.86	1/2	4,309.04	1/2	3,960.12	1/2	3,594.81	1/2	3,228.36	1/2	2,861.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,626.32	3/4	4,302.00	3/4	3,952.61	3/4	3,587.17	3/4	3,220.72	3/4	2,854.27
8		8		8		8		8	4,619.77	8	4,294.95	8	3,945.10	8	3,579.54	8	3,213.09	8	2,846.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,613.23	1/4	4,287.90	1/4	3,937.59	1/4	3,571.90	1/4	3,205.45	1/4	2,839.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,606.68	1/2	4,280.85	1/2	3,930.08	1/2	3,564.27	1/2	3,197.82	1/2	2,831.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,600.10	3/4	4,273.75	3/4	3,922.54	3/4	3,556.64	3/4	3,190.18	3/4	2,823.73
9		9		9		9		9	4,593.52	9	4,266.64	9	3,914.99	9	3,549.00	9	3,182.55	9	2,816.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,586.94	1/4	4,259.54	1/4	3,907.45	1/4	3,541.37	1/4	3,174.92	1/4	2,808.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,580.36	1/2	4,252.43	1/2	3,899.90	1/2	3,533.73	1/2	3,167.28	1/2	2,800.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,573.74	3/4	4,245.29	3/4	3,892.32	3/4	3,526.10	3/4	3,159.65	3/4	2,793.20
10		10		10		10		10	4,567.12	10	4,238.14	10	3,884.74	10	3,518.46	10	3,152.01	10	2,785.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,560.50	1/4	4,231.00	1/4	3,877.15	1/4	3,510.83	1/4	3,144.38	1/4	2,777.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,553.88	1/2	4,223.86	1/2	3,869.57	1/2	3,503.19	1/2	3,136.74	1/2	2,770.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,547.23	3/4	4,216.68	3/4	3,861.95	3/4	3,495.56	3/4	3,129.11	3/4	2,762.66
11		11		11		11		11	4,540.57	11	4,209.50	11	3,854.34	11	3,487.93	11	3,121.47	11	2,755.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,533.91	1/4	4,202.32	1/4	3,846.73	1/4	3,480.29	1/4	3,113.84	1/4	2,747.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,527.26	1/2	4,195.14	1/2	3,839.11	1/2	3,472.66	1/2	3,106.21	1/2	2,739.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,520.57	3/4	4,187.92	3/4	3,831.48	3/4	3,465.02	3/4	3,098.57	3/4	2,732.12

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 EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 53'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28082"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 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	2,358.03	0	1,991.59	0	1,625.12	0	1,259.30	0	893.84	0	527.46	0	181.58	0		0		0	
1/4	2,350.40	1/4	1,983.95	1/4	1,617.48	1/4	1,251.67	1/4	886.23	1/4	519.82	1/4	174.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,342.77	1/2	1,976.32	1/2	1,609.85	1/2	1,244.03	1/2	878.62	1/2	512.19	1/2	168.18	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,335.13	3/4	1,968.68	3/4	1,602.21	3/4	1,236.40	3/4	871.00	3/4	504.57	3/4	161.57	3/4	3/4	3/4	3/4	3/4	3/4
1	2,327.50	1	1,961.05	1	1,594.58	1	1,228.76	1	863.38	1	496.96	1	154.95	1		1		1	
1/4	2,319.86	1/4	1,953.42	1/4	1,586.94	1/4	1,221.13	1/4	855.76	1/4	489.34	1/4	148.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,312.23	1/2	1,945.78	1/2	1,579.31	1/2	1,213.49	1/2	848.13	1/2	481.73	1/2	141.73	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,304.59	3/4	1,938.15	3/4	1,571.68	3/4	1,205.86	3/4	840.50	3/4	474.18	3/4	135.20	3/4	3/4	3/4	3/4	3/4	3/4
2	2,296.96	2	1,930.51	2	1,564.04	2	1,198.22	2	832.86	2	466.63	2	128.68	2		2		2	
1/4	2,289.32	1/4	1,922.88	1/4	1,556.41	1/4	1,190.59	1/4	825.23	1/4	459.08	1/4	122.16	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,281.69	1/2	1,915.24	1/2	1,548.77	1/2	1,182.95	1/2	817.59	1/2	451.53	1/2	115.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,274.06	3/4	1,907.61	3/4	1,541.14	3/4	1,175.33	3/4	809.96	3/4	444.06	3/4	109.21	3/4	3/4	3/4	3/4	3/4	3/4
3	2,266.42	3	1,899.97	3	1,533.50	3	1,167.70	3	802.32	3	436.60	3	102.79	3		3		3	
1/4	2,258.79	1/4	1,892.34	1/4	1,525.87	1/4	1,160.08	1/4	794.69	1/4	429.13	1/4	96.36	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,251.15	1/2	1,884.70	1/2	1,518.23	1/2	1,152.46	1/2	787.05	1/2	421.67	1/2	89.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,243.52	3/4	1,877.07	3/4	1,510.60	3/4	1,144.85	3/4	779.42	3/4	414.28	3/4	83.62	3/4	3/4	3/4	3/4	3/4	3/4
4	2,235.88	4	1,869.43	4	1,502.96	4	1,137.24	4	771.78	4	406.90	4	77.30	4		4		4	
1/4	2,228.25	1/4	1,861.80	1/4	1,495.33	1/4	1,129.64	1/4	764.15	1/4	399.52	1/4	70.98	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,220.62	1/2	1,854.16	1/2	1,487.69	1/2	1,122.03	1/2	756.51	1/2	392.14	1/2	64.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,212.98	3/4	1,846.53	3/4	1,480.07	3/4	1,114.42	3/4	748.88	3/4	384.85	3/4	58.45	3/4	3/4	3/4	3/4	3/4	3/4
5	2,205.35	5	1,838.89	5	1,472.45	5	1,106.82	5	741.24	5	377.55	5	52.25	5		5		5	
1/4	2,197.71	1/4	1,831.26	1/4	1,464.83	1/4	1,099.21	1/4	733.61	1/4	370.25	1/4	46.05	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,190.08	1/2	1,823.62	1/2	1,457.21	1/2	1,091.60	1/2	725.97	1/2	362.96	1/2	39.85	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,182.44	3/4	1,815.99	3/4	1,449.60	3/4	1,084.00	3/4	718.34	3/4	355.75	3/4	34.34	3/4	3/4	3/4	3/4	3/4	3/4
6	2,174.81	6	1,808.35	6	1,441.99	6	1,076.39	6	710.70	6	348.54	6	28.84	6		6		6	
1/4	2,167.17	1/4	1,800.72	1/4	1,434.39	1/4	1,068.79	1/4	703.07	1/4	341.33	1/4	23.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,159.54	1/2	1,793.08	1/2	1,426.78	1/2	1,061.18	1/2	695.43	1/2	334.11	1/2	17.83	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,151.91	3/4	1,785.45	3/4	1,419.17	3/4	1,053.57	3/4	687.80	3/4	326.99	3/4	14.27	3/4	3/4	3/4	3/4	3/4	3/4
7	2,144.27	7	1,777.81	7	1,411.57	7	1,045.97	7	680.16	7	319.86	7	10.71	7		7		7	
1/4	2,136.64	1/4	1,770.18	1/4	1,403.96	1/4	1,038.36	1/4	672.53	1/4	312.74	1/4	7.15	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,129.00	1/2	1,762.55	1/2	1,396.35	1/2	1,030.75	1/2	664.89	1/2	305.61	1/2	3.59	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,121.37	3/4	1,754.91	3/4	1,388.74	3/4	1,023.15	3/4	657.26	3/4	298.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,113.73	8	1,747.28	8	1,381.14	8	1,015.54	8	649.62	8	291.53	8		8		8		8	
1/4	2,106.10	1/4	1,739.64	1/4	1,373.53	1/4	1,007.94	1/4	641.99	1/4	284.49	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,098.46	1/2	1,732.01	1/2	1,365.92	1/2	1,000.33	1/2	634.35	1/2	277.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,090.83	3/4	1,724.37	3/4	1,358.31	3/4	992.72	3/4	626.72	3/4	270.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,083.20	9	1,716.74	9	1,350.71	9	985.12	9	619.08	9	263.53	9		9		9		9	
1/4	2,075.56	1/4	1,709.10	1/4	1,343.10	1/4	977.51	1/4	611.45	1/4	256.58	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,067.93	1/2	1,701.47	1/2	1,335.49	1/2	969.91	1/2	603.81	1/2	249.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,060.29	3/4	1,693.83	3/4	1,327.88	3/4	962.30	3/4	596.18	3/4	242.75	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,052.66	10	1,686.20	10	1,320.28	10	954.69	10	588.54	10	235.88	10		10		10		10	
1/4	2,045.02	1/4	1,678.56	1/4	1,312.67	1/4	947.09	1/4	580.91	1/4	229.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,037.39	1/2	1,670.93	1/2	1,305.06	1/2	939.48	1/2	573.27	1/2	222.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,029.76	3/4	1,663.29	3/4	1,297.44	3/4	931.88	3/4	565.63	3/4	215.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,022.12	11	1,655.66	11	1,289.82	11	924.27	11	558.00	11	208.56	11		11		11		11	
1/4	2,014.49	1/4	1,648.02	1/4	1,282.20	1/4	916.66	1/4	550.36	1/4	201.77	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,006.85	1/2	1,640.39	1/2	1,274.58	1/2	909.06	1/2	542.73	1/2	194.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,999.22	3/4	1,632.75	3/4	1,266.94	3/4	901.45	3/4	535.09	3/4	188.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/23/2006 CL - SW
CALCULATED: 08/24/2006 CL
PRINTED: 08/24/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2006

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



BARGE "KIRBY 28082"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

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	
0		0		0		0		4,532.96	0	4,201.96	0	3,847.43	0	3,483.37	0	3,119.31	0	2,755.25			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,850.77	1/4	4,526.31	1/4	4,194.79	1/4	3,839.85	1/4	3,475.79	1/4	3,111.73	1/4	2,747.67	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,845.17	1/2	4,519.67	1/2	4,187.62	1/2	3,832.26	1/2	3,468.20	1/2	3,104.14	1/2	2,740.08	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,838.38	3/4	4,512.99	3/4	4,180.41	3/4	3,824.68	3/4	3,460.62	3/4	3,096.56	3/4	2,732.50	3/4
1		1		1		1		4,831.59	1	4,506.31	1	4,173.20	1	3,817.09	1	3,453.03	1	3,088.97	1	2,724.91	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,824.80	1/4	4,499.63	1/4	4,166.00	1/4	3,809.51	1/4	3,445.45	1/4	3,081.39	1/4	2,717.33	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,818.01	1/2	4,492.95	1/2	4,158.79	1/2	3,801.93	1/2	3,437.86	1/2	3,073.80	1/2	2,709.74	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,810.59	3/4	4,486.23	3/4	4,151.54	3/4	3,794.34	3/4	3,430.28	3/4	3,066.22	3/4	2,702.16	3/4
2		2		2		2		4,803.17	2	4,479.52	2	4,144.30	2	3,786.76	2	3,422.70	2	3,058.63	2	2,694.57	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,795.75	1/4	4,472.80	1/4	4,137.05	1/4	3,779.17	1/4	3,415.11	1/4	3,051.05	1/4	2,686.99	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,788.33	1/2	4,466.09	1/2	4,129.81	1/2	3,771.59	1/2	3,407.53	1/2	3,043.47	1/2	2,679.40	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,780.83	3/4	4,459.33	3/4	4,122.53	3/4	3,764.00	3/4	3,399.94	3/4	3,035.88	3/4	2,671.82	3/4
3		3		3		3		4,773.33	3	4,452.58	3	4,115.25	3	3,756.42	3	3,392.36	3	3,028.30	3	2,664.24	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,765.83	1/4	4,445.83	1/4	4,107.97	1/4	3,748.83	1/4	3,384.77	1/4	3,020.71	1/4	2,656.65	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,758.33	1/2	4,439.08	1/2	4,100.69	1/2	3,741.25	1/2	3,377.19	1/2	3,013.13	1/2	2,649.07	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,751.11	3/4	4,432.29	3/4	4,093.37	3/4	3,733.66	3/4	3,369.60	3/4	3,005.54	3/4	2,641.48	3/4
4		4		4		4		4,743.88	4	4,425.50	4	4,086.06	4	3,726.08	4	3,362.02	4	2,997.96	4	2,633.90	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,736.66	1/4	4,418.71	1/4	4,078.75	1/4	3,718.50	1/4	3,354.43	1/4	2,990.37	1/4	2,626.31	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,729.44	1/2	4,411.92	1/2	4,071.43	1/2	3,710.91	1/2	3,346.85	1/2	2,982.79	1/2	2,618.73	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,722.76	3/4	4,405.09	3/4	4,064.09	3/4	3,703.33	3/4	3,339.27	3/4	2,975.20	3/4	2,611.14	3/4
5		5		5		5		4,716.09	5	4,398.27	5	4,056.74	5	3,695.74	5	3,331.68	5	2,967.62	5	2,603.56	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,709.41	1/4	4,391.44	1/4	4,049.39	1/4	3,688.16	1/4	3,324.10	1/4	2,960.04	1/4	2,595.97	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,702.73	1/2	4,384.62	1/2	4,042.04	1/2	3,680.57	1/2	3,316.51	1/2	2,952.45	1/2	2,588.39	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,696.31	3/4	4,377.75	3/4	4,034.66	3/4	3,672.99	3/4	3,308.93	3/4	2,944.87	3/4	2,580.81	3/4
6		6		6		6		4,689.88	6	4,370.89	6	4,027.27	6	3,665.40	6	3,301.34	6	2,937.28	6	2,573.22	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,683.45	1/4	4,364.02	1/4	4,019.89	1/4	3,657.82	1/4	3,293.76	1/4	2,929.70	1/4	2,565.64	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,677.03	1/2	4,357.16	1/2	4,012.50	1/2	3,650.23	1/2	3,286.17	1/2	2,922.11	1/2	2,558.05	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,670.56	3/4	4,350.24	3/4	4,005.08	3/4	3,642.65	3/4	3,278.59	3/4	2,914.53	3/4	2,550.47	3/4
7		7		7		7		4,664.10	7	4,343.32	7	3,997.66	7	3,635.06	7	3,271.00	7	2,906.94	7	2,542.88	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,657.63	1/4	4,336.39	1/4	3,990.24	1/4	3,627.48	1/4	3,263.42	1/4	2,899.36	1/4	2,535.30	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,651.17	1/2	4,329.47	1/2	3,982.82	1/2	3,619.90	1/2	3,255.83	1/2	2,891.77	1/2	2,527.71	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,644.67	3/4	4,322.47	3/4	3,975.36	3/4	3,612.31	3/4	3,248.25	3/4	2,884.19	3/4	2,520.13	3/4
8		8		8		8		4,638.17	8	4,315.47	8	3,967.90	8	3,604.73	8	3,240.67	8	2,876.60	8	2,512.54	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,631.67	1/4	4,308.47	1/4	3,960.44	1/4	3,597.14	1/4	3,233.08	1/4	2,869.02	1/4	2,504.96	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,625.16	1/2	4,301.47	1/2	3,952.98	1/2	3,589.56	1/2	3,225.50	1/2	2,861.44	1/2	2,497.37	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,618.63	3/4	4,294.41	3/4	3,945.48	3/4	3,581.97	3/4	3,217.91	3/4	2,853.85	3/4	2,489.79	3/4
9		9		9		9		4,612.09	9	4,287.35	9	3,937.99	9	3,574.39	9	3,210.33	9	2,846.27	9	2,482.21	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,605.55	1/4	4,280.29	1/4	3,930.49	1/4	3,566.80	1/4	3,202.74	1/4	2,838.68	1/4	2,474.62	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,599.01	1/2	4,273.23	1/2	3,922.99	1/2	3,559.22	1/2	3,195.16	1/2	2,831.10	1/2	2,467.04	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,592.44	3/4	4,266.13	3/4	3,915.46	3/4	3,551.63	3/4	3,187.57	3/4	2,823.51	3/4	2,459.45	3/4
10		10		10		10		4,585.86	10	4,259.04	10	3,907.93	10	3,544.05	10	3,179.99	10	2,815.93	10	2,451.87	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,579.28	1/4	4,251.94	1/4	3,900.39	1/4	3,536.46	1/4	3,172.40	1/4	2,808.34	1/4	2,444.28	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,572.71	1/2	4,244.84	1/2	3,892.86	1/2	3,528.88	1/2	3,164.82	1/2	2,800.76	1/2	2,436.70	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,566.10	3/4	4,237.71	3/4	3,885.29	3/4	3,521.30	3/4	3,157.23	3/4	2,793.17	3/4	2,429.11	3/4
11		11		11		11		4,559.48	11	4,230.57	11	3,877.73	11	3,513.71	11	3,149.65	11	2,785.59	11	2,421.53	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,552.87	1/4	4,223.44	1/4	3,870.16	1/4	3,506.13	1/4	3,142.07	1/4	2,778.00	1/4	2,413.94	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,546.26	1/2	4,216.31	1/2	3,862.60	1/2	3,498.54	1/2	3,134.48	1/2	2,770.42	1/2	2,406.36	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,539.61	3/4	4,209.13	3/4	3,855.02	3/4	3,490.96	3/4	3,126.90	3/4	2,762.84	3/4	2,398.77	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28082"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 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	2,391.19	0	2,027.13	0	1,663.05	0	1,302.87	0	951.86	0	591.49	0	227.38	0		0		0	
1/4	2,383.61	1/4	2,019.54	1/4	1,655.47	1/4	1,295.28	1/4	944.61	1/4	583.90	1/4	219.80	1/4	1/4	1/4		1/4	
1/2	2,376.02	1/2	2,011.95	1/2	1,647.88	1/2	1,287.69	1/2	937.35	1/2	576.32	1/2	212.21	1/2	1/2	1/2		1/2	
3/4	2,368.44	3/4	2,004.37	3/4	1,640.30	3/4	1,280.11	3/4	930.08	3/4	568.73	3/4	204.63	3/4	3/4	3/4		3/4	
1	2,360.85	1	1,996.79	1	1,632.71	1	1,272.52	1	922.81	1	561.15	1	197.04	1		1		1	
1/4	2,353.27	1/4	1,989.20	1/4	1,625.13	1/4	1,264.94	1/4	915.54	1/4	553.56	1/4	189.46	1/4	1/4	1/4		1/4	
1/2	2,345.68	1/2	1,981.62	1/2	1,617.55	1/2	1,257.35	1/2	908.26	1/2	545.98	1/2	181.88	1/2	1/2	1/2		1/2	
3/4	2,338.10	3/4	1,974.03	3/4	1,609.96	3/4	1,249.92	3/4	900.98	3/4	538.39	3/4	174.30	3/4	3/4	3/4		3/4	
2	2,330.51	2	1,966.45	2	1,602.38	2	1,242.48	2	893.70	2	530.80	2	166.73	2		2		2	
1/4	2,322.93	1/4	1,958.86	1/4	1,594.79	1/4	1,235.05	1/4	886.41	1/4	523.22	1/4	159.15	1/4	1/4	1/4		1/4	
1/2	2,315.34	1/2	1,951.28	1/2	1,587.21	1/2	1,227.61	1/2	879.13	1/2	515.63	1/2	151.57	1/2	1/2	1/2		1/2	
3/4	2,307.76	3/4	1,943.69	3/4	1,579.62	3/4	1,220.34	3/4	871.70	3/4	508.05	3/4	144.01	3/4	3/4	3/4		3/4	
3	2,300.17	3	1,936.11	3	1,572.04	3	1,213.07	3	864.26	3	500.46	3	136.45	3		3		3	
1/4	2,292.59	1/4	1,928.52	1/4	1,564.45	1/4	1,205.80	1/4	856.83	1/4	492.88	1/4	128.88	1/4	1/4	1/4		1/4	
1/2	2,285.01	1/2	1,920.94	1/2	1,556.87	1/2	1,198.53	1/2	849.40	1/2	485.29	1/2	121.32	1/2	1/2	1/2		1/2	
3/4	2,277.42	3/4	1,913.35	3/4	1,549.36	3/4	1,191.27	3/4	841.81	3/4	477.71	3/4	113.78	3/4	3/4	3/4		3/4	
4	2,269.84	4	1,905.77	4	1,541.86	4	1,184.02	4	834.23	4	470.12	4	106.23	4		4		4	
1/4	2,262.25	1/4	1,898.18	1/4	1,534.36	1/4	1,176.76	1/4	826.64	1/4	462.53	1/4	98.69	1/4	1/4	1/4		1/4	
1/2	2,254.67	1/2	1,890.60	1/2	1,526.85	1/2	1,169.50	1/2	819.05	1/2	454.95	1/2	91.14	1/2	1/2	1/2		1/2	
3/4	2,247.08	3/4	1,883.01	3/4	1,519.43	3/4	1,162.25	3/4	811.47	3/4	447.36	3/4	83.63	3/4	3/4	3/4		3/4	
5	2,239.50	5	1,875.43	5	1,512.01	5	1,154.99	5	803.88	5	439.78	5	76.12	5		5		5	
1/4	2,231.91	1/4	1,867.84	1/4	1,504.58	1/4	1,147.74	1/4	796.30	1/4	432.19	1/4	68.61	1/4	1/4	1/4		1/4	
1/2	2,224.33	1/2	1,860.26	1/2	1,497.16	1/2	1,140.48	1/2	788.71	1/2	424.61	1/2	61.10	1/2	1/2	1/2		1/2	
3/4	2,216.74	3/4	1,852.67	3/4	1,489.74	3/4	1,133.23	3/4	781.13	3/4	417.02	3/4	54.20	3/4	3/4	3/4		3/4	
6	2,209.16	6	1,845.09	6	1,482.32	6	1,125.97	6	773.54	6	409.44	6	47.29	6		6		6	
1/4	2,201.58	1/4	1,837.50	1/4	1,474.89	1/4	1,118.72	1/4	765.96	1/4	401.85	1/4	40.39	1/4	1/4	1/4		1/4	
1/2	2,193.99	1/2	1,829.92	1/2	1,467.47	1/2	1,111.47	1/2	758.37	1/2	394.26	1/2	33.49	1/2	1/2	1/2		1/2	
3/4	2,186.41	3/4	1,822.33	3/4	1,460.05	3/4	1,104.21	3/4	750.79	3/4	386.68	3/4	28.43	3/4	3/4	3/4		3/4	
7	2,178.82	7	1,814.75	7	1,452.63	7	1,096.96	7	743.20	7	379.09	7	23.38	7		7		7	
1/4	2,171.24	1/4	1,807.17	1/4	1,445.20	1/4	1,089.70	1/4	735.62	1/4	371.51	1/4	18.32	1/4	1/4	1/4		1/4	
1/2	2,163.65	1/2	1,799.58	1/2	1,437.78	1/2	1,082.45	1/2	728.03	1/2	363.92	1/2	13.27	1/2	1/2	1/2		1/2	
3/4	2,156.07	3/4	1,792.00	3/4	1,430.36	3/4	1,075.19	3/4	720.45	3/4	356.34	3/4		3/4	3/4	3/4		3/4	
8	2,148.48	8	1,784.41	8	1,422.93	8	1,067.94	8	712.86	8	348.75	8		8		8		8	
1/4	2,140.90	1/4	1,776.83	1/4	1,415.51	1/4	1,060.68	1/4	705.27	1/4	341.16	1/4		1/4	1/4	1/4		1/4	
1/2	2,133.31	1/2	1,769.24	1/2	1,408.09	1/2	1,053.43	1/2	697.69	1/2	333.58	1/2		1/2	1/2	1/2		1/2	
3/4	2,125.73	3/4	1,761.66	3/4	1,400.67	3/4	1,046.17	3/4	690.10	3/4	325.99	3/4		3/4	3/4	3/4		3/4	
9	2,118.14	9	1,754.07	9	1,393.24	9	1,038.92	9	682.52	9	318.41	9		9		9		9	
1/4	2,110.56	1/4	1,746.49	1/4	1,385.82	1/4	1,031.67	1/4	674.93	1/4	310.82	1/4		1/4	1/4	1/4		1/4	
1/2	2,102.98	1/2	1,738.90	1/2	1,378.40	1/2	1,024.41	1/2	667.35	1/2	303.24	1/2		1/2	1/2	1/2		1/2	
3/4	2,095.39	3/4	1,731.32	3/4	1,370.89	3/4	1,017.16	3/4	659.76	3/4	295.65	3/4		3/4	3/4	3/4		3/4	
10	2,087.81	10	1,723.73	10	1,363.39	10	1,009.90	10	652.17	10	288.07	10		10		10		10	
1/4	2,080.22	1/4	1,716.15	1/4	1,355.88	1/4	1,002.65	1/4	644.59	1/4	280.48	1/4		1/4	1/4	1/4		1/4	
1/2	2,072.64	1/2	1,708.56	1/2	1,348.38	1/2	995.39	1/2	637.00	1/2	272.89	1/2		1/2	1/2	1/2		1/2	
3/4	2,065.05	3/4	1,700.98	3/4	1,340.79	3/4	988.14	3/4	629.42	3/4	265.31	3/4		3/4	3/4	3/4		3/4	
11	2,057.47	11	1,693.39	11	1,333.21	11	980.88	11	621.83	11	257.72	11		11		11		11	
1/4	2,049.88	1/4	1,685.81	1/4	1,325.62	1/4	973.63	1/4	614.25	1/4	250.14	1/4		1/4	1/4	1/4		1/4	
1/2	2,042.30	1/2	1,678.22	1/2	1,318.04	1/2	966.38	1/2	606.66	1/2	242.55	1/2		1/2	1/2	1/2		1/2	
3/4	2,034.71	3/4	1,670.64	3/4	1,310.45	3/4	959.12	3/4	599.08	3/4	234.97	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/23/2006 CL - SW
CALCULATED: 08/24/2006 CL
PRINTED: 08/24/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2006

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



BARGE "KIRBY 28082"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

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		0	4,546.48	0	4,215.64	0	3,861.28	0	3,497.39	0	3,133.51	0	2,769.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,539.84	1/4	4,208.47	1/4	3,853.70	1/4	3,489.81	1/4	3,125.93	1/4	2,762.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,858.55	1/2	4,533.19	1/2	4,201.30	1/2	3,846.12	1/2	3,482.23	1/2	3,118.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,851.76	3/4	4,526.52	3/4	4,194.10	3/4	3,838.54	3/4	3,474.65	3/4	3,110.76
1		1		1		1		1	4,844.98	1	4,519.84	1	4,186.89	1	3,830.96	1	3,467.07	1	3,103.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,838.19	1/4	4,513.16	1/4	4,179.69	1/4	3,823.38	1/4	3,459.49	1/4	3,095.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,831.40	1/2	4,506.49	1/2	4,172.48	1/2	3,815.80	1/2	3,451.91	1/2	3,088.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,823.99	3/4	4,499.77	3/4	4,165.24	3/4	3,808.22	3/4	3,444.33	3/4	3,080.44
2		2		2		2		2	4,816.57	2	4,493.06	2	4,158.00	2	3,800.63	2	3,436.75	2	3,072.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,809.15	1/4	4,486.35	1/4	4,150.76	1/4	3,793.05	1/4	3,429.17	1/4	3,065.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,801.73	1/2	4,479.64	1/2	4,143.52	1/2	3,785.47	1/2	3,421.58	1/2	3,057.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,794.24	3/4	4,472.89	3/4	4,136.24	3/4	3,777.89	3/4	3,414.00	3/4	3,050.12
3		3		3		3		3	4,786.74	3	4,466.14	3	4,128.96	3	3,770.31	3	3,406.42	3	3,042.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,779.24	1/4	4,459.39	1/4	4,121.69	1/4	3,762.73	1/4	3,398.84	1/4	3,034.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,771.75	1/2	4,452.64	1/2	4,114.41	1/2	3,755.15	1/2	3,391.26	1/2	3,027.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,764.53	3/4	4,445.86	3/4	4,107.10	3/4	3,747.57	3/4	3,383.68	3/4	3,019.79
4		4		4		4		4	4,757.31	4	4,439.07	4	4,099.79	4	3,739.99	4	3,376.10	4	3,012.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,750.09	1/4	4,432.28	1/4	4,092.48	1/4	3,732.41	1/4	3,368.52	1/4	3,004.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,742.87	1/2	4,425.50	1/2	4,085.17	1/2	3,724.82	1/2	3,360.94	1/2	2,997.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,736.20	3/4	4,418.67	3/4	4,077.83	3/4	3,717.24	3/4	3,353.36	3/4	2,989.47
5		5		5		5		5	4,729.52	5	4,411.85	5	4,070.48	5	3,709.66	5	3,345.77	5	2,981.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,722.85	1/4	4,405.03	1/4	4,063.14	1/4	3,702.08	1/4	3,338.19	1/4	2,974.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,716.18	1/2	4,398.20	1/2	4,055.79	1/2	3,694.50	1/2	3,330.61	1/2	2,966.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,709.75	3/4	4,391.34	3/4	4,048.41	3/4	3,686.92	3/4	3,323.03	3/4	2,959.14
6		6		6		6		6	4,703.33	6	4,384.48	6	4,041.03	6	3,679.34	6	3,315.45	6	2,951.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,696.90	1/4	4,377.62	1/4	4,033.65	1/4	3,671.76	1/4	3,307.87	1/4	2,943.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,690.48	1/2	4,370.76	1/2	4,026.27	1/2	3,664.18	1/2	3,300.29	1/2	2,936.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,684.02	3/4	4,363.84	3/4	4,018.85	3/4	3,656.60	3/4	3,292.71	3/4	2,928.82
7		7		7		7		7	4,677.56	7	4,356.93	7	4,011.43	7	3,649.01	7	3,285.13	7	2,921.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,671.10	1/4	4,350.01	1/4	4,004.01	1/4	3,641.43	1/4	3,277.55	1/4	2,913.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,664.64	1/2	4,343.09	1/2	3,996.59	1/2	3,633.85	1/2	3,269.96	1/2	2,906.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,658.14	3/4	4,336.09	3/4	3,989.14	3/4	3,626.27	3/4	3,262.38	3/4	2,898.50
8		8		8		8		8	4,651.64	8	4,329.09	8	3,981.68	8	3,618.69	8	3,254.80	8	2,890.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,645.14	1/4	4,322.09	1/4	3,974.23	1/4	3,611.11	1/4	3,247.22	1/4	2,883.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,638.64	1/2	4,315.10	1/2	3,966.77	1/2	3,603.53	1/2	3,239.64	1/2	2,875.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,632.11	3/4	4,308.04	3/4	3,959.28	3/4	3,595.95	3/4	3,232.06	3/4	2,868.17
9		9		9		9		9	4,625.57	9	4,300.98	9	3,951.79	9	3,588.37	9	3,224.48	9	2,860.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,619.04	1/4	4,293.93	1/4	3,944.29	1/4	3,580.79	1/4	3,216.90	1/4	2,853.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,612.50	1/2	4,286.87	1/2	3,936.80	1/2	3,573.20	1/2	3,209.32	1/2	2,845.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,605.93	3/4	4,279.78	3/4	3,929.27	3/4	3,565.62	3/4	3,201.74	3/4	2,837.85
10		10		10		10		10	4,599.36	10	4,272.68	10	3,921.74	10	3,558.04	10	3,194.15	10	2,830.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,592.78	1/4	4,265.59	1/4	3,914.21	1/4	3,550.46	1/4	3,186.57	1/4	2,822.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,586.21	1/2	4,258.50	1/2	3,906.68	1/2	3,542.88	1/2	3,178.99	1/2	2,815.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,579.60	3/4	4,251.37	3/4	3,899.12	3/4	3,535.30	3/4	3,171.41	3/4	2,807.52
11		11		11		11		11	4,572.99	11	4,244.24	11	3,891.56	11	3,527.72	11	3,163.83	11	2,799.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,566.38	1/4	4,237.11	1/4	3,884.00	1/4	3,520.14	1/4	3,156.25	1/4	2,792.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,559.77	1/2	4,229.97	1/2	3,876.44	1/2	3,512.56	1/2	3,148.67	1/2	2,784.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,553.13	3/4	4,222.81	3/4	3,868.86	3/4	3,504.98	3/4	3,141.09	3/4	2,777.20

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28082"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 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	2,405.73	0	2,041.84	0	1,677.94	0	1,317.92	0	955.03	0	591.21	0	227.27	0		0		0	
1/4	2,398.15	1/4	2,034.26	1/4	1,670.36	1/4	1,310.34	1/4	947.47	1/4	583.63	1/4	219.69	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,390.57	1/2	2,026.68	1/2	1,662.78	1/2	1,302.76	1/2	939.92	1/2	576.04	1/2	212.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,382.99	3/4	2,019.10	3/4	1,655.20	3/4	1,295.18	3/4	932.35	3/4	568.46	3/4	204.53	3/4	3/4	3/4	3/4	3/4	3/4
1	2,375.41	1	2,011.51	1	1,647.62	1	1,287.60	1	924.78	1	560.88	1	196.95	1		1		1	
1/4	2,367.83	1/4	2,003.93	1/4	1,640.04	1/4	1,280.02	1/4	917.21	1/4	553.30	1/4	189.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,360.24	1/2	1,996.35	1/2	1,632.45	1/2	1,272.43	1/2	909.64	1/2	545.72	1/2	181.79	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,352.66	3/4	1,988.77	3/4	1,624.87	3/4	1,264.85	3/4	902.06	3/4	538.13	3/4	174.22	3/4	3/4	3/4	3/4	3/4	3/4
2	2,345.08	2	1,981.19	2	1,617.29	2	1,257.27	2	894.48	2	530.55	2	166.65	2		2		2	
1/4	2,337.50	1/4	1,973.61	1/4	1,609.71	1/4	1,249.69	1/4	886.89	1/4	522.97	1/4	159.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,329.92	1/2	1,966.03	1/2	1,602.13	1/2	1,242.11	1/2	879.31	1/2	515.39	1/2	151.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,322.34	3/4	1,958.45	3/4	1,594.55	3/4	1,234.54	3/4	871.73	3/4	507.81	3/4	143.94	3/4	3/4	3/4	3/4	3/4	3/4
3	2,314.76	3	1,950.87	3	1,586.97	3	1,226.97	3	864.15	3	500.22	3	136.38	3		3		3	
1/4	2,307.18	1/4	1,943.28	1/4	1,579.39	1/4	1,219.40	1/4	856.57	1/4	492.64	1/4	128.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,299.60	1/2	1,935.70	1/2	1,571.81	1/2	1,211.83	1/2	848.99	1/2	485.06	1/2	121.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,292.02	3/4	1,928.12	3/4	1,564.31	3/4	1,204.27	3/4	841.40	3/4	477.48	3/4	113.72	3/4	3/4	3/4	3/4	3/4	3/4
4	2,284.43	4	1,920.54	4	1,556.80	4	1,196.72	4	833.82	4	469.90	4	106.18	4		4		4	
1/4	2,276.85	1/4	1,912.96	1/4	1,549.30	1/4	1,189.17	1/4	826.24	1/4	462.31	1/4	98.64	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,269.27	1/2	1,905.38	1/2	1,541.80	1/2	1,181.61	1/2	818.66	1/2	454.73	1/2	91.10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,261.69	3/4	1,897.80	3/4	1,534.39	3/4	1,174.06	3/4	811.08	3/4	447.15	3/4	83.59	3/4	3/4	3/4	3/4	3/4	3/4
5	2,254.11	5	1,890.22	5	1,526.97	5	1,166.51	5	803.50	5	439.57	5	76.08	5		5		5	
1/4	2,246.53	1/4	1,882.63	1/4	1,519.55	1/4	1,158.95	1/4	795.92	1/4	431.99	1/4	68.58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,238.95	1/2	1,875.05	1/2	1,512.13	1/2	1,151.40	1/2	788.33	1/2	424.40	1/2	61.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,231.37	3/4	1,867.47	3/4	1,504.71	3/4	1,143.85	3/4	780.75	3/4	416.82	3/4	54.17	3/4	3/4	3/4	3/4	3/4	3/4
6	2,223.79	6	1,859.89	6	1,497.29	6	1,136.29	6	773.17	6	409.24	6	47.27	6		6		6	
1/4	2,216.21	1/4	1,852.31	1/4	1,489.87	1/4	1,128.74	1/4	765.59	1/4	401.66	1/4	40.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,208.62	1/2	1,844.73	1/2	1,482.45	1/2	1,121.19	1/2	758.01	1/2	394.08	1/2	33.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,201.04	3/4	1,837.15	3/4	1,475.03	3/4	1,113.64	3/4	750.43	3/4	386.49	3/4	28.42	3/4	3/4	3/4	3/4	3/4	3/4
7	2,193.46	7	1,829.57	7	1,467.61	7	1,106.08	7	742.85	7	378.91	7	23.37	7		7		7	
1/4	2,185.88	1/4	1,821.98	1/4	1,460.19	1/4	1,098.53	1/4	735.26	1/4	371.33	1/4	18.31	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,178.30	1/2	1,814.40	1/2	1,452.78	1/2	1,090.98	1/2	727.68	1/2	363.75	1/2	13.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,170.72	3/4	1,806.82	3/4	1,445.36	3/4	1,083.43	3/4	720.10	3/4	356.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,163.14	8	1,799.24	8	1,437.94	8	1,075.87	8	712.52	8	348.58	8		8		8		8	
1/4	2,155.56	1/4	1,791.66	1/4	1,430.52	1/4	1,068.32	1/4	704.94	1/4	341.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,147.98	1/2	1,784.08	1/2	1,423.10	1/2	1,060.77	1/2	697.36	1/2	333.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,140.40	3/4	1,776.50	3/4	1,415.68	3/4	1,053.21	3/4	689.77	3/4	325.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,132.81	9	1,768.92	9	1,408.26	9	1,045.66	9	682.19	9	318.26	9		9		9		9	
1/4	2,125.23	1/4	1,761.34	1/4	1,400.84	1/4	1,038.11	1/4	674.61	1/4	310.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,117.65	1/2	1,753.75	1/2	1,393.42	1/2	1,030.56	1/2	667.03	1/2	303.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,110.07	3/4	1,746.17	3/4	1,385.92	3/4	1,023.00	3/4	659.45	3/4	295.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,102.49	10	1,738.59	10	1,378.42	10	1,015.45	10	651.86	10	287.93	10		10		10		10	
1/4	2,094.91	1/4	1,731.01	1/4	1,370.92	1/4	1,007.90	1/4	644.28	1/4	280.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,087.33	1/2	1,723.43	1/2	1,363.42	1/2	1,000.35	1/2	636.70	1/2	272.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,079.75	3/4	1,715.85	3/4	1,355.83	3/4	992.79	3/4	629.12	3/4	265.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,072.17	11	1,708.27	11	1,348.25	11	985.24	11	621.54	11	257.60	11		11		11		11	
1/4	2,064.59	1/4	1,700.69	1/4	1,340.67	1/4	977.69	1/4	613.95	1/4	250.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,057.00	1/2	1,693.10	1/2	1,333.09	1/2	970.14	1/2	606.37	1/2	242.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,049.42	3/4	1,685.52	3/4	1,325.51	3/4	962.58	3/4	598.79	3/4	234.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/23/2006 CL - SW
CALCULATED: 08/24/2006 CL
PRINTED: 08/24/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2006

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



BARGE "KIRBY 28082"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,456.04	0	4,199.76	0	3,937.72	0	3,662.06	0	3,378.19	0	3,013.78	0	2,649.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,451.00	1/4	4,194.44	1/4	3,932.08	1/4	3,656.22	1/4	3,370.59	1/4	3,006.19	1/4	2,642.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,445.95	1/2	4,189.13	1/2	3,926.44	1/2	3,650.38	1/2	3,362.99	1/2	2,998.61	1/2	2,634.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,440.91	3/4	4,183.81	3/4	3,920.80	3/4	3,644.54	3/4	3,355.39	3/4	2,991.03	3/4	2,627.06
1		1		1		1	4,435.86	1	4,178.50	1	3,915.16	1	3,638.70	1	3,347.78	1	2,983.45	1	2,619.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,430.19	1/4	4,173.16	1/4	3,909.51	1/4	3,632.86	1/4	3,340.18	1/4	2,975.86	1/4	2,611.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,424.51	1/2	4,167.83	1/2	3,903.85	1/2	3,627.02	1/2	3,332.58	1/2	2,968.28	1/2	2,604.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,418.83	3/4	4,162.50	3/4	3,898.19	3/4	3,621.18	3/4	3,324.97	3/4	2,960.70	3/4	2,596.73
2		2		2		2	4,413.16	2	4,157.16	2	3,892.53	2	3,615.34	2	3,317.37	2	2,953.12	2	2,589.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,407.40	1/4	4,151.81	1/4	3,886.85	1/4	3,609.50	1/4	3,309.77	1/4	2,945.53	1/4	2,581.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,401.64	1/2	4,146.45	1/2	3,881.18	1/2	3,603.66	1/2	3,302.17	1/2	2,937.95	1/2	2,573.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,395.89	3/4	4,141.10	3/4	3,875.50	3/4	3,597.82	3/4	3,294.56	3/4	2,930.37	3/4	2,566.40
3		3		3		3	4,390.13	3	4,135.75	3	3,869.82	3	3,591.98	3	3,286.96	3	2,922.78	3	2,558.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,384.53	1/4	4,130.37	1/4	3,864.13	1/4	3,586.14	1/4	3,279.36	1/4	2,915.20	1/4	2,551.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,378.92	1/2	4,125.00	1/2	3,858.43	1/2	3,580.30	1/2	3,271.76	1/2	2,907.62	1/2	2,543.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,373.31	3/4	4,119.62	3/4	3,852.74	3/4	3,574.45	3/4	3,264.15	3/4	2,900.04	3/4	2,536.07
4		4		4		4	4,367.71	4	4,114.25	4	3,847.05	4	3,568.61	4	3,256.55	4	2,892.45	4	2,528.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,362.39	1/4	4,108.86	1/4	3,841.33	1/4	3,562.77	1/4	3,248.95	1/4	2,884.87	1/4	2,520.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,357.08	1/2	4,103.46	1/2	3,835.62	1/2	3,556.93	1/2	3,241.34	1/2	2,877.29	1/2	2,513.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,351.77	3/4	4,098.07	3/4	3,829.91	3/4	3,551.09	3/4	3,233.74	3/4	2,869.71	3/4	2,505.74
5		5		5		5	4,346.45	5	4,092.68	5	3,824.19	5	3,545.25	5	3,226.14	5	2,862.12	5	2,498.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,341.27	1/4	4,087.26	1/4	3,818.46	1/4	3,539.41	1/4	3,218.54	1/4	2,854.54	1/4	2,490.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,336.09	1/2	4,081.85	1/2	3,812.73	1/2	3,533.57	1/2	3,210.95	1/2	2,846.96	1/2	2,482.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,330.91	3/4	4,076.43	3/4	3,806.99	3/4	3,527.73	3/4	3,203.36	3/4	2,839.38	3/4	2,475.41
6		6		6		6	4,325.73	6	4,071.02	6	3,801.26	6	3,521.89	6	3,195.76	6	2,831.79	6	2,467.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,320.54	1/4	4,065.56	1/4	3,795.51	1/4	3,516.05	1/4	3,188.18	1/4	2,824.21	1/4	2,460.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,315.34	1/2	4,060.11	1/2	3,789.75	1/2	3,510.21	1/2	3,180.60	1/2	2,816.63	1/2	2,452.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,310.14	3/4	4,054.65	3/4	3,784.00	3/4	3,504.37	3/4	3,173.01	3/4	2,809.04	3/4	2,445.07
7		7		7		7	4,304.94	7	4,049.20	7	3,778.25	7	3,498.53	7	3,165.43	7	2,801.46	7	2,437.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,299.72	1/4	4,043.68	1/4	3,772.48	1/4	3,492.69	1/4	3,157.85	1/4	2,793.88	1/4	2,429.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,294.50	1/2	4,038.16	1/2	3,766.70	1/2	3,486.85	1/2	3,150.27	1/2	2,786.30	1/2	2,422.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,289.28	3/4	4,032.65	3/4	3,760.93	3/4	3,481.01	3/4	3,142.68	3/4	2,778.71	3/4	2,414.74
8		8		8		8	4,284.06	8	4,027.13	8	3,755.16	8	3,475.17	8	3,135.10	8	2,771.13	8	2,407.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.82	1/4	4,021.57	1/4	3,749.36	1/4	3,469.33	1/4	3,127.52	1/4	2,763.55	1/4	2,399.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,273.58	1/2	4,016.01	1/2	3,743.57	1/2	3,463.49	1/2	3,119.93	1/2	2,755.97	1/2	2,392.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,268.34	3/4	4,010.46	3/4	3,737.78	3/4	3,457.64	3/4	3,112.35	3/4	2,748.38	3/4	2,384.41
9		9		9		9	4,263.10	9	4,004.90	9	3,731.98	9	3,451.80	9	3,104.77	9	2,740.80	9	2,376.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,257.85	1/4	3,999.32	1/4	3,726.17	1/4	3,445.96	1/4	3,097.19	1/4	2,733.22	1/4	2,369.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,252.59	1/2	3,993.74	1/2	3,720.36	1/2	3,440.12	1/2	3,089.60	1/2	2,725.63	1/2	2,361.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,247.33	3/4	3,988.16	3/4	3,714.55	3/4	3,434.28	3/4	3,082.02	3/4	2,718.05	3/4	2,354.08
10		10		10		10	4,242.07	10	3,982.58	10	3,708.73	10	3,428.44	10	3,074.44	10	2,710.47	10	2,346.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,236.79	1/4	3,976.98	1/4	3,702.90	1/4	3,422.60	1/4	3,066.86	1/4	2,702.89	1/4	2,338.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,231.51	1/2	3,971.39	1/2	3,697.07	1/2	3,416.76	1/2	3,059.27	1/2	2,695.30	1/2	2,331.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,226.23	3/4	3,965.79	3/4	3,691.24	3/4	3,410.92	3/4	3,051.69	3/4	2,687.72	3/4	2,323.75
11		11		11		11	4,220.95	11	3,960.19	11	3,685.41	11	3,405.08	11	3,044.11	11	2,680.14	11	2,316.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,215.65	1/4	3,954.57	1/4	3,679.58	1/4	3,398.36	1/4	3,036.53	1/4	2,672.56	1/4	2,308.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,465.51	1/2	4,210.36	1/2	3,948.95	1/2	3,673.74	1/2	3,391.64	1/2	3,028.94	1/2	2,664.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,460.77	3/4	4,205.06	3/4	3,943.34	3/4	3,667.90	3/4	3,384.92	3/4	3,021.36	3/4	2,657.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28082"

3 PORT ULLAGE TABLE

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

GUAGE 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	2,285.84	0	1,921.87	0	1,558.03	0	1,198.56	0	844.31	0	486.55	0	122.84	0		0		0	
1/4	2,278.26	1/4	1,914.28	1/4	1,550.47	1/4	1,190.99	1/4	836.93	1/4	478.95	1/4	116.51	1/4	1/4	1/4		1/4	
1/2	2,270.67	1/2	1,906.70	1/2	1,542.91	1/2	1,183.42	1/2	829.55	1/2	471.34	1/2	110.17	1/2	1/2	1/2		1/2	
3/4	2,263.09	3/4	1,899.12	3/4	1,535.35	3/4	1,175.86	3/4	822.17	3/4	463.74	3/4	103.84	3/4	3/4	3/4		3/4	
1	2,255.51	1	1,891.53	1	1,527.79	1	1,168.29	1	814.79	1	456.14	1	97.50	1		1		1	
1/4	2,247.92	1/4	1,883.95	1/4	1,520.23	1/4	1,160.83	1/4	807.40	1/4	448.53	1/4	92.44	1/4	1/4	1/4		1/4	
1/2	2,240.34	1/2	1,876.37	1/2	1,512.67	1/2	1,153.36	1/2	800.01	1/2	440.93	1/2	87.38	1/2	1/2	1/2		1/2	
3/4	2,232.76	3/4	1,868.79	3/4	1,505.11	3/4	1,145.90	3/4	792.61	3/4	433.33	3/4	82.31	3/4	3/4	3/4		3/4	
2	2,225.18	2	1,861.20	2	1,497.55	2	1,138.44	2	785.22	2	425.72	2	77.25	2		2		2	
1/4	2,217.59	1/4	1,853.62	1/4	1,489.99	1/4	1,131.09	1/4	777.83	1/4	418.12	1/4	73.47	1/4	1/4	1/4		1/4	
1/2	2,210.01	1/2	1,846.04	1/2	1,482.43	1/2	1,123.73	1/2	770.43	1/2	410.51	1/2	69.68	1/2	1/2	1/2		1/2	
3/4	2,202.43	3/4	1,838.45	3/4	1,474.87	3/4	1,116.38	3/4	763.04	3/4	402.91	3/4	65.90	3/4	3/4	3/4		3/4	
3	2,194.85	3	1,830.87	3	1,467.31	3	1,109.03	3	755.65	3	395.31	3	62.11	3		3		3	
1/4	2,187.26	1/4	1,823.29	1/4	1,459.84	1/4	1,101.68	1/4	748.26	1/4	387.70	1/4	59.61	1/4	1/4	1/4		1/4	
1/2	2,179.68	1/2	1,815.70	1/2	1,452.36	1/2	1,094.33	1/2	740.86	1/2	380.10	1/2	57.12	1/2	1/2	1/2		1/2	
3/4	2,172.10	3/4	1,808.12	3/4	1,444.88	3/4	1,086.98	3/4	733.47	3/4	372.50	3/4	54.62	3/4	3/4	3/4		3/4	
4	2,164.51	4	1,800.54	4	1,437.40	4	1,079.64	4	726.08	4	364.89	4	52.12	4		4		4	
1/4	2,156.93	1/4	1,792.96	1/4	1,429.99	1/4	1,072.29	1/4	718.69	1/4	357.29	1/4	50.92	1/4	1/4	1/4		1/4	
1/2	2,149.35	1/2	1,785.37	1/2	1,422.58	1/2	1,064.95	1/2	711.29	1/2	349.68	1/2	49.72	1/2	1/2	1/2		1/2	
3/4	2,141.77	3/4	1,777.79	3/4	1,415.17	3/4	1,057.60	3/4	703.90	3/4	342.08	3/4	48.52	3/4	3/4	3/4		3/4	
5	2,134.18	5	1,770.21	5	1,407.76	5	1,050.25	5	696.51	5	334.48	5	47.32	5		5		5	
1/4	2,126.60	1/4	1,762.62	1/4	1,400.34	1/4	1,042.91	1/4	689.11	1/4	326.87	1/4		1/4	1/4	1/4		1/4	
1/2	2,119.02	1/2	1,755.04	1/2	1,392.92	1/2	1,035.56	1/2	681.72	1/2	319.27	1/2		1/2	1/2	1/2		1/2	
3/4	2,111.44	3/4	1,747.46	3/4	1,385.50	3/4	1,028.22	3/4	674.33	3/4	311.67	3/4		3/4	3/4	3/4		3/4	
6	2,103.85	6	1,739.88	6	1,378.08	6	1,020.87	6	666.94	6	304.06	6		6		6		6	
1/4	2,096.27	1/4	1,732.29	1/4	1,370.65	1/4	1,013.53	1/4	659.54	1/4	296.46	1/4		1/4	1/4	1/4		1/4	
1/2	2,088.69	1/2	1,724.71	1/2	1,363.23	1/2	1,006.18	1/2	652.15	1/2	288.86	1/2		1/2	1/2	1/2		1/2	
3/4	2,081.11	3/4	1,717.13	3/4	1,355.81	3/4	998.83	3/4	644.76	3/4	281.25	3/4		3/4	3/4	3/4		3/4	
7	2,073.52	7	1,709.54	7	1,348.39	7	991.49	7	637.36	7	273.65	7		7		7		7	
1/4	2,065.94	1/4	1,701.96	1/4	1,340.97	1/4	984.14	1/4	629.97	1/4	266.04	1/4		1/4	1/4	1/4		1/4	
1/2	2,058.36	1/2	1,694.38	1/2	1,333.55	1/2	976.80	1/2	622.58	1/2	258.44	1/2		1/2	1/2	1/2		1/2	
3/4	2,050.77	3/4	1,686.80	3/4	1,326.12	3/4	969.45	3/4	615.19	3/4	250.84	3/4		3/4	3/4	3/4		3/4	
8	2,043.19	8	1,679.21	8	1,318.70	8	962.11	8	607.79	8	243.23	8		8		8		8	
1/4	2,035.61	1/4	1,671.63	1/4	1,311.29	1/4	954.75	1/4	600.29	1/4	235.63	1/4		1/4	1/4	1/4		1/4	
1/2	2,028.03	1/2	1,664.05	1/2	1,303.87	1/2	947.40	1/2	592.79	1/2	228.03	1/2		1/2	1/2	1/2		1/2	
3/4	2,020.44	3/4	1,656.46	3/4	1,296.46	3/4	940.04	3/4	585.30	3/4	220.42	3/4		3/4	3/4	3/4		3/4	
9	2,012.86	9	1,648.88	9	1,289.05	9	932.69	9	577.80	9	212.82	9		9		9		9	
1/4	2,005.28	1/4	1,641.30	1/4	1,281.56	1/4	925.32	1/4	570.19	1/4	205.21	1/4		1/4	1/4	1/4		1/4	
1/2	1,997.70	1/2	1,633.72	1/2	1,274.07	1/2	917.96	1/2	562.59	1/2	197.61	1/2		1/2	1/2	1/2		1/2	
3/4	1,990.11	3/4	1,626.13	3/4	1,266.59	3/4	910.60	3/4	554.98	3/4	190.01	3/4		3/4	3/4	3/4		3/4	
10	1,982.53	10	1,618.55	10	1,259.10	10	903.23	10	547.38	10	182.40	10		10		10		10	
1/4	1,974.95	1/4	1,610.98	1/4	1,251.53	1/4	895.87	1/4	539.78	1/4	174.80	1/4		1/4	1/4	1/4		1/4	
1/2	1,967.36	1/2	1,603.41	1/2	1,243.97	1/2	888.50	1/2	532.17	1/2	167.20	1/2		1/2	1/2	1/2		1/2	
3/4	1,959.78	3/4	1,595.84	3/4	1,236.40	3/4	881.14	3/4	524.57	3/4	159.59	3/4		3/4	3/4	3/4		3/4	
11	1,952.20	11	1,588.26	11	1,228.83	11	873.78	11	516.97	11	151.99	11		11		11		11	
1/4	1,944.62	1/4	1,580.70	1/4	1,221.26	1/4	866.41	1/4	509.36	1/4	144.70	1/4		1/4	1/4	1/4		1/4	
1/2	1,937.03	1/2	1,573.15	1/2	1,213.70	1/2	859.04	1/2	501.76	1/2	137.41	1/2		1/2	1/2	1/2		1/2	
3/4	1,929.45	3/4	1,565.59	3/4	1,206.13	3/4	851.68	3/4	494.16	3/4	130.13	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/23/2006 CL - SW
CALCULATED: 08/24/2006 CL
PRINTED: 08/24/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2006

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



BARGE "KIRBY 28082"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,478.94	0	4,222.66	0	3,960.62	0	3,684.97	0	3,401.08	0	3,036.15	0	2,671.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,473.90	1/4	4,217.35	1/4	3,954.98	1/4	3,679.12	1/4	3,393.48	1/4	3,028.55	1/4	2,663.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,468.85	1/2	4,212.03	1/2	3,949.34	1/2	3,673.28	1/2	3,385.88	1/2	3,020.95	1/2	2,656.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,463.81	3/4	4,206.72	3/4	3,943.71	3/4	3,667.44	3/4	3,378.28	3/4	3,013.35	3/4	2,648.42
1		1		1		1	4,458.77	1	4,201.40	1	3,938.07	1	3,661.60	1	3,370.67	1	3,005.74	1	2,640.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,453.09	1/4	4,196.07	1/4	3,932.41	1/4	3,655.76	1/4	3,363.07	1/4	2,998.14	1/4	2,633.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,447.41	1/2	4,190.73	1/2	3,926.75	1/2	3,649.92	1/2	3,355.47	1/2	2,990.54	1/2	2,625.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,441.74	3/4	4,185.40	3/4	3,921.09	3/4	3,644.08	3/4	3,347.86	3/4	2,982.93	3/4	2,618.01
2		2		2		2	4,436.06	2	4,180.07	2	3,915.43	2	3,638.24	2	3,340.26	2	2,975.33	2	2,610.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,430.30	1/4	4,174.71	1/4	3,909.76	1/4	3,632.40	1/4	3,332.66	1/4	2,967.73	1/4	2,602.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,424.55	1/2	4,169.36	1/2	3,904.08	1/2	3,626.56	1/2	3,325.06	1/2	2,960.13	1/2	2,595.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,418.79	3/4	4,164.00	3/4	3,898.40	3/4	3,620.72	3/4	3,317.45	3/4	2,952.52	3/4	2,587.59
3		3		3		3	4,413.04	3	4,158.65	3	3,892.73	3	3,614.88	3	3,309.85	3	2,944.92	3	2,579.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,407.43	1/4	4,153.28	1/4	3,887.03	1/4	3,609.04	1/4	3,302.25	1/4	2,937.32	1/4	2,572.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,401.82	1/2	4,147.90	1/2	3,881.34	1/2	3,603.20	1/2	3,294.65	1/2	2,929.72	1/2	2,564.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,396.22	3/4	4,142.53	3/4	3,875.64	3/4	3,597.36	3/4	3,287.04	3/4	2,922.11	3/4	2,557.18
4		4		4		4	4,390.61	4	4,137.15	4	3,869.95	4	3,591.52	4	3,279.44	4	2,914.51	4	2,549.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,385.29	1/4	4,131.76	1/4	3,864.24	1/4	3,585.68	1/4	3,271.84	1/4	2,906.91	1/4	2,541.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,379.98	1/2	4,126.37	1/2	3,858.52	1/2	3,579.84	1/2	3,264.23	1/2	2,899.30	1/2	2,534.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,374.67	3/4	4,120.97	3/4	3,852.81	3/4	3,574.00	3/4	3,256.63	3/4	2,891.70	3/4	2,526.77
5		5		5		5	4,369.35	5	4,115.58	5	3,847.10	5	3,568.16	5	3,249.03	5	2,884.10	5	2,519.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,364.18	1/4	4,110.16	1/4	3,841.36	1/4	3,562.31	1/4	3,241.43	1/4	2,876.50	1/4	2,511.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,359.00	1/2	4,104.75	1/2	3,835.63	1/2	3,556.47	1/2	3,233.82	1/2	2,868.89	1/2	2,503.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,353.82	3/4	4,099.34	3/4	3,829.90	3/4	3,550.63	3/4	3,226.22	3/4	2,861.29	3/4	2,496.36
6		6		6		6	4,348.64	6	4,093.92	6	3,824.16	6	3,544.79	6	3,218.62	6	2,853.69	6	2,488.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,343.44	1/4	4,088.47	1/4	3,818.41	1/4	3,538.95	1/4	3,211.02	1/4	2,846.09	1/4	2,481.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,338.24	1/2	4,083.01	1/2	3,812.66	1/2	3,533.11	1/2	3,203.41	1/2	2,838.48	1/2	2,473.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,333.04	3/4	4,077.56	3/4	3,806.90	3/4	3,527.27	3/4	3,195.81	3/4	2,830.88	3/4	2,465.95
7		7		7		7	4,327.84	7	4,072.10	7	3,801.15	7	3,521.43	7	3,188.21	7	2,823.28	7	2,458.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,322.62	1/4	4,066.59	1/4	3,795.38	1/4	3,515.59	1/4	3,180.60	1/4	2,815.68	1/4	2,450.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,317.40	1/2	4,061.07	1/2	3,789.61	1/2	3,509.75	1/2	3,173.00	1/2	2,808.07	1/2	2,443.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,312.18	3/4	4,055.55	3/4	3,783.83	3/4	3,503.91	3/4	3,165.40	3/4	2,800.47	3/4	2,435.54
8		8		8		8	4,306.96	8	4,050.03	8	3,778.06	8	3,498.07	8	3,157.80	8	2,792.87	8	2,427.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,301.72	1/4	4,044.47	1/4	3,772.27	1/4	3,492.23	1/4	3,150.19	1/4	2,785.26	1/4	2,420.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,296.49	1/2	4,038.92	1/2	3,766.47	1/2	3,486.39	1/2	3,142.59	1/2	2,777.66	1/2	2,412.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,291.25	3/4	4,033.36	3/4	3,760.68	3/4	3,480.55	3/4	3,134.99	3/4	2,770.06	3/4	2,405.13
9		9		9		9	4,286.01	9	4,027.80	9	3,754.89	9	3,474.71	9	3,127.39	9	2,762.46	9	2,397.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,280.75	1/4	4,022.22	1/4	3,749.07	1/4	3,468.87	1/4	3,119.78	1/4	2,754.85	1/4	2,389.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,275.49	1/2	4,016.64	1/2	3,743.26	1/2	3,463.03	1/2	3,112.18	1/2	2,747.25	1/2	2,382.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,270.23	3/4	4,011.06	3/4	3,737.45	3/4	3,457.19	3/4	3,104.58	3/4	2,739.65	3/4	2,374.72
10		10		10		10	4,264.97	10	4,005.49	10	3,731.64	10	3,451.35	10	3,096.98	10	2,732.05	10	2,367.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,259.69	1/4	3,999.89	1/4	3,725.81	1/4	3,445.50	1/4	3,089.37	1/4	2,724.44	1/4	2,359.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,254.41	1/2	3,994.29	1/2	3,719.98	1/2	3,439.66	1/2	3,081.77	1/2	2,716.84	1/2	2,351.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,249.13	3/4	3,988.69	3/4	3,714.15	3/4	3,433.82	3/4	3,074.17	3/4	2,709.24	3/4	2,344.31
11		11		11	4,497.89	11	4,243.85	11	3,983.09	11	3,708.32	11	3,427.98	11	3,066.56	11	2,701.63	11	2,336.71
1/4	1/4	1/4	1/4	1/4	4,493.15	1/4	4,238.56	1/4	3,977.47	1/4	3,702.48	1/4	3,421.26	1/4	3,058.96	1/4	2,694.03	1/4	2,329.10
1/2	1/2	1/2	1/2	1/2	4,488.41	1/2	4,233.26	1/2	3,971.86	1/2	3,696.64	1/2	3,414.53	1/2	3,051.36	1/2	2,686.43	1/2	2,321.50
3/4	3/4	3/4	3/4	3/4	4,483.68	3/4	4,227.96	3/4	3,966.24	3/4	3,690.80	3/4	3,407.81	3/4	3,043.76	3/4	2,678.83	3/4	2,313.90

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28082"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	2,306.29	0	1,941.36	0	1,576.42	0	1,215.36	0	851.47	0	486.55	0	122.84	0		0		0	
1/4	2,298.69	1/4	1,933.76	1/4	1,568.82	1/4	1,207.75	1/4	843.88	1/4	478.95	1/4	116.51	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,291.09	1/2	1,926.15	1/2	1,561.21	1/2	1,200.15	1/2	836.29	1/2	471.34	1/2	110.17	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,283.49	3/4	1,918.55	3/4	1,553.61	3/4	1,192.55	3/4	828.70	3/4	463.74	3/4	103.84	3/4	3/4	3/4	3/4	3/4	3/4
1	2,275.88	1	1,910.95	1	1,546.01	1	1,184.94	1	821.11	1	456.14	1	97.50	1		1		1	
1/4	2,268.28	1/4	1,903.34	1/4	1,538.40	1/4	1,177.34	1/4	813.50	1/4	448.53	1/4	92.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,260.68	1/2	1,895.74	1/2	1,530.80	1/2	1,169.74	1/2	805.90	1/2	440.93	1/2	87.38	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,253.08	3/4	1,888.14	3/4	1,523.20	3/4	1,162.13	3/4	798.30	3/4	433.33	3/4	82.31	3/4	3/4	3/4	3/4	3/4	3/4
2	2,245.47	2	1,880.53	2	1,515.60	2	1,154.53	2	790.69	2	425.72	2	77.25	2		2		2	
1/4	2,237.87	1/4	1,872.93	1/4	1,507.99	1/4	1,146.94	1/4	783.09	1/4	418.12	1/4	73.47	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,230.27	1/2	1,865.33	1/2	1,500.39	1/2	1,139.35	1/2	775.49	1/2	410.51	1/2	69.68	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,222.66	3/4	1,857.73	3/4	1,492.79	3/4	1,131.76	3/4	767.88	3/4	402.91	3/4	65.90	3/4	3/4	3/4	3/4	3/4	3/4
3	2,215.06	3	1,850.12	3	1,485.18	3	1,124.16	3	760.28	3	395.31	3	62.11	3		3		3	
1/4	2,207.46	1/4	1,842.52	1/4	1,477.66	1/4	1,116.59	1/4	752.68	1/4	387.70	1/4	59.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,199.86	1/2	1,834.92	1/2	1,470.14	1/2	1,109.01	1/2	745.07	1/2	380.10	1/2	57.12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,192.25	3/4	1,827.31	3/4	1,462.62	3/4	1,101.44	3/4	737.47	3/4	372.50	3/4	54.62	3/4	3/4	3/4	3/4	3/4	3/4
4	2,184.65	4	1,819.71	4	1,455.10	4	1,093.86	4	729.87	4	364.89	4	52.12	4		4		4	
1/4	2,177.05	1/4	1,812.11	1/4	1,447.66	1/4	1,086.29	1/4	722.26	1/4	357.29	1/4	50.92	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,169.45	1/2	1,804.51	1/2	1,440.21	1/2	1,078.71	1/2	714.66	1/2	349.68	1/2	49.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,161.84	3/4	1,796.90	3/4	1,432.77	3/4	1,071.14	3/4	707.06	3/4	342.08	3/4	48.52	3/4	3/4	3/4	3/4	3/4	3/4
5	2,154.24	5	1,789.30	5	1,425.33	5	1,063.56	5	699.45	5	334.48	5	47.32	5		5		5	
1/4	2,146.64	1/4	1,781.70	1/4	1,417.89	1/4	1,055.99	1/4	691.85	1/4	326.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,139.03	1/2	1,774.09	1/2	1,410.45	1/2	1,048.41	1/2	684.25	1/2	319.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,131.43	3/4	1,766.49	3/4	1,403.01	3/4	1,040.84	3/4	676.64	3/4	311.67	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,123.83	6	1,758.89	6	1,395.57	6	1,033.26	6	669.04	6	304.06	6	6	6		6		6	
1/4	2,116.23	1/4	1,751.29	1/4	1,388.13	1/4	1,025.69	1/4	661.44	1/4	296.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,108.62	1/2	1,743.68	1/2	1,380.69	1/2	1,018.12	1/2	653.83	1/2	288.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,101.02	3/4	1,736.08	3/4	1,373.25	3/4	1,010.54	3/4	646.23	3/4	281.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,093.42	7	1,728.48	7	1,365.81	7	1,002.97	7	638.63	7	273.65	7	7	7		7		7	
1/4	2,085.82	1/4	1,720.87	1/4	1,358.37	1/4	995.39	1/4	631.02	1/4	266.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,078.21	1/2	1,713.27	1/2	1,350.92	1/2	987.82	1/2	623.42	1/2	258.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,070.61	3/4	1,705.67	3/4	1,343.48	3/4	980.24	3/4	615.82	3/4	250.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,063.01	8	1,698.07	8	1,336.04	8	972.67	8	608.21	8	243.23	8	8	8		8		8	
1/4	2,055.41	1/4	1,690.46	1/4	1,328.60	1/4	965.09	1/4	600.61	1/4	235.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,047.80	1/2	1,682.86	1/2	1,321.16	1/2	957.52	1/2	593.01	1/2	228.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,040.20	3/4	1,675.26	3/4	1,313.72	3/4	949.95	3/4	585.40	3/4	220.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,032.60	9	1,667.65	9	1,306.28	9	942.37	9	577.80	9	212.82	9	9	9		9		9	
1/4	2,024.99	1/4	1,660.05	1/4	1,298.75	1/4	934.80	1/4	570.19	1/4	205.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,017.39	1/2	1,652.45	1/2	1,291.23	1/2	927.22	1/2	562.59	1/2	197.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,009.79	3/4	1,644.84	3/4	1,283.71	3/4	919.65	3/4	554.98	3/4	190.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,002.19	10	1,637.24	10	1,276.19	10	912.07	10	547.38	10	182.40	10	10	10		10		10	
1/4	1,994.58	1/4	1,629.64	1/4	1,268.58	1/4	904.50	1/4	539.78	1/4	174.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,986.98	1/2	1,622.04	1/2	1,260.98	1/2	896.93	1/2	532.17	1/2	167.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,979.38	3/4	1,614.43	3/4	1,253.38	3/4	889.35	3/4	524.57	3/4	159.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,971.78	11	1,606.83	11	1,245.77	11	881.78	11	516.97	11	151.99	11	11	11		11		11	
1/4	1,964.17	1/4	1,599.23	1/4	1,238.17	1/4	874.20	1/4	509.36	1/4	144.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,956.57	1/2	1,591.62	1/2	1,230.57	1/2	866.62	1/2	501.76	1/2	137.41	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,948.96	3/4	1,584.02	3/4	1,222.96	3/4	859.05	3/4	494.16	3/4	130.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/23/2006 CL - SW
CALCULATED: 08/24/2006 CL
PRINTED: 08/24/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2006

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