



BARGE "KIRBY 28600"

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

(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 3 PORT IS - 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 257'-02"

April 20, 2005

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

<http://www.pmacorp.net>



BARGE "KIRBY 28600"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,480.09	0	4,171.89	0	3,847.36	0	3,522.83	0	3,198.31	0	2,873.78	0	2,549.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,476.29	1/4	4,165.13	1/4	3,840.60	1/4	3,516.07	1/4	3,191.54	1/4	2,867.02	1/4	2,542.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,472.49	1/2	4,158.37	1/2	3,833.84	1/2	3,509.31	1/2	3,184.78	1/2	2,860.26	1/2	2,535.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,467.56	3/4	4,151.61	3/4	3,827.08	3/4	3,502.55	3/4	3,178.02	3/4	2,853.49	3/4	2,528.97
1		1		1		1	4,462.63	1	4,144.85	1	3,820.32	1	3,495.79	1	3,171.26	1	2,846.73	1	2,522.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,457.70	1/4	4,138.08	1/4	3,813.56	1/4	3,489.03	1/4	3,164.50	1/4	2,839.97	1/4	2,515.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,452.77	1/2	4,131.32	1/2	3,806.80	1/2	3,482.27	1/2	3,157.74	1/2	2,833.21	1/2	2,508.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,446.71	3/4	4,124.56	3/4	3,800.03	3/4	3,475.51	3/4	3,150.98	3/4	2,826.45	3/4	2,501.92
2		2		2		2	4,440.65	2	4,117.80	2	3,793.27	2	3,468.75	2	3,144.22	2	2,819.69	2	2,495.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,434.59	1/4	4,111.04	1/4	3,786.51	1/4	3,461.98	1/4	3,137.46	1/4	2,812.93	1/4	2,488.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,428.54	1/2	4,104.28	1/2	3,779.75	1/2	3,455.22	1/2	3,130.70	1/2	2,806.17	1/2	2,481.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,421.84	3/4	4,097.52	3/4	3,772.99	3/4	3,448.46	3/4	3,123.93	3/4	2,799.41	3/4	2,474.88
3		3		3		3	4,415.15	3	4,090.76	3	3,766.23	3	3,441.70	3	3,117.17	3	2,792.65	3	2,468.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,408.46	1/4	4,084.00	1/4	3,759.47	1/4	3,434.94	1/4	3,110.41	1/4	2,785.88	1/4	2,461.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,401.76	1/2	4,077.24	1/2	3,752.71	1/2	3,428.18	1/2	3,103.65	1/2	2,779.12	1/2	2,454.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,395.00	3/4	4,070.47	3/4	3,745.95	3/4	3,421.42	3/4	3,096.89	3/4	2,772.36	3/4	2,447.83
4		4		4		4	4,388.24	4	4,063.71	4	3,739.19	4	3,414.66	4	3,090.13	4	2,765.60	4	2,441.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,381.48	1/4	4,056.95	1/4	3,732.42	1/4	3,407.90	1/4	3,083.37	1/4	2,758.84	1/4	2,434.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,374.72	1/2	4,050.19	1/2	3,725.66	1/2	3,401.14	1/2	3,076.61	1/2	2,752.08	1/2	2,427.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,367.96	3/4	4,043.43	3/4	3,718.90	3/4	3,394.37	3/4	3,069.85	3/4	2,745.32	3/4	2,420.79
5		5		5		5	4,361.20	5	4,036.67	5	3,712.14	5	3,387.61	5	3,063.09	5	2,738.56	5	2,414.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,354.44	1/4	4,029.91	1/4	3,705.38	1/4	3,380.85	1/4	3,056.32	1/4	2,731.80	1/4	2,407.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,347.68	1/2	4,023.15	1/2	3,698.62	1/2	3,374.09	1/2	3,049.56	1/2	2,725.04	1/2	2,400.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,340.91	3/4	4,016.39	3/4	3,691.86	3/4	3,367.33	3/4	3,042.80	3/4	2,718.27	3/4	2,393.75
6		6		6		6	4,334.15	6	4,009.63	6	3,685.10	6	3,360.57	6	3,036.04	6	2,711.51	6	2,386.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,327.39	1/4	4,002.86	1/4	3,678.34	1/4	3,353.81	1/4	3,029.28	1/4	2,704.75	1/4	2,380.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,320.63	1/2	3,996.10	1/2	3,671.58	1/2	3,347.05	1/2	3,022.52	1/2	2,697.99	1/2	2,373.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,313.87	3/4	3,989.34	3/4	3,664.81	3/4	3,340.29	3/4	3,015.76	3/4	2,691.23	3/4	2,366.70
7		7		7		7	4,307.11	7	3,982.58	7	3,658.05	7	3,333.53	7	3,009.00	7	2,684.47	7	2,359.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,300.35	1/4	3,975.82	1/4	3,651.29	1/4	3,326.76	1/4	3,002.24	1/4	2,677.71	1/4	2,353.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,293.59	1/2	3,969.06	1/2	3,644.53	1/2	3,320.00	1/2	2,995.48	1/2	2,670.95	1/2	2,346.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,286.83	3/4	3,962.30	3/4	3,637.77	3/4	3,313.24	3/4	2,988.71	3/4	2,664.19	3/4	2,339.66
8		8		8		8	4,280.07	8	3,955.54	8	3,631.01	8	3,306.48	8	2,981.95	8	2,657.43	8	2,332.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,273.30	1/4	3,948.78	1/4	3,624.25	1/4	3,299.72	1/4	2,975.19	1/4	2,650.66	1/4	2,326.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,266.54	1/2	3,942.02	1/2	3,617.49	1/2	3,292.96	1/2	2,968.43	1/2	2,643.90	1/2	2,319.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,259.78	3/4	3,935.25	3/4	3,610.73	3/4	3,286.20	3/4	2,961.67	3/4	2,637.14	3/4	2,312.61
9		9		9		9	4,253.02	9	3,928.49	9	3,603.97	9	3,279.44	9	2,954.91	9	2,630.38	9	2,305.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,246.26	1/4	3,921.73	1/4	3,597.20	1/4	3,272.68	1/4	2,948.15	1/4	2,623.62	1/4	2,299.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,239.50	1/2	3,914.97	1/2	3,590.44	1/2	3,265.92	1/2	2,941.39	1/2	2,616.86	1/2	2,292.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,232.74	3/4	3,908.21	3/4	3,583.68	3/4	3,259.15	3/4	2,934.63	3/4	2,610.10	3/4	2,285.57
10		10		10		10	4,225.98	10	3,901.45	10	3,576.92	10	3,252.39	10	2,927.87	10	2,603.34	10	2,278.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,219.22	1/4	3,894.69	1/4	3,570.16	1/4	3,245.63	1/4	2,921.10	1/4	2,596.58	1/4	2,272.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,212.46	1/2	3,887.93	1/2	3,563.40	1/2	3,238.87	1/2	2,914.34	1/2	2,589.82	1/2	2,265.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,205.69	3/4	3,881.17	3/4	3,556.64	3/4	3,232.11	3/4	2,907.58	3/4	2,583.05	3/4	2,258.53
11		11		11		11	4,198.93	11	3,874.41	11	3,549.88	11	3,225.35	11	2,900.82	11	2,576.29	11	2,251.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,192.17	1/4	3,867.64	1/4	3,543.12	1/4	3,218.59	1/4	2,894.06	1/4	2,569.53	1/4	2,245.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,185.41	1/2	3,860.88	1/2	3,536.36	1/2	3,211.83	1/2	2,887.30	1/2	2,562.77	1/2	2,238.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,178.65	3/4	3,854.12	3/4	3,529.59	3/4	3,205.07	3/4	2,880.54	3/4	2,556.01	3/4	2,231.48

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'-05" OFF CENTERLINE AND 40'-02" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28600"

1 PORT ULLAGE TABLE

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

GUAGE HEIGHT 16'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,224.72	0	1,900.19	0	1,578.56	0	1,254.02	0	929.42	0	605.25	0	281.13	0		0		0	
1/4	2,217.96	1/4	1,893.43	1/4	1,571.82	1/4	1,247.26	1/4	922.66	1/4	598.51	1/4	274.37	1/4		1/4		1/4	
1/2	2,211.20	1/2	1,886.67	1/2	1,565.07	1/2	1,240.49	1/2	915.89	1/2	591.78	1/2	267.60	1/2		1/2		1/2	
3/4	2,204.44	3/4	1,879.91	3/4	1,558.31	3/4	1,233.73	3/4	909.13	3/4	585.05	3/4	260.84	3/4		3/4		3/4	
1	2,197.68	1	1,873.15	1	1,551.55	1	1,226.97	1	902.37	1	578.32	1	254.08	1		1		1	
1/4	2,190.92	1/4	1,866.39	1/4	1,544.79	1/4	1,220.21	1/4	895.61	1/4	571.58	1/4	247.32	1/4		1/4		1/4	
1/2	2,184.16	1/2	1,859.63	1/2	1,538.03	1/2	1,213.44	1/2	888.84	1/2	564.85	1/2	240.55	1/2		1/2		1/2	
3/4	2,177.39	3/4	1,852.87	3/4	1,531.27	3/4	1,206.68	3/4	882.08	3/4	558.12	3/4	234.03	3/4		3/4		3/4	
2	2,170.63	2	1,846.11	2	1,524.51	2	1,199.92	2	875.32	2	551.39	2	227.52	2		2		2	
1/4	2,163.87	1/4	1,839.34	1/4	1,517.75	1/4	1,193.16	1/4	868.55	1/4	544.65	1/4	221.00	1/4		1/4		1/4	
1/2	2,157.11	1/2	1,832.58	1/2	1,511.00	1/2	1,186.39	1/2	861.79	1/2	537.92	1/2	214.48	1/2		1/2		1/2	
3/4	2,150.35	3/4	1,825.82	3/4	1,504.23	3/4	1,179.63	3/4	855.03	3/4	531.19	3/4	207.99	3/4		3/4		3/4	
3	2,143.59	3	1,819.06	3	1,497.47	3	1,172.87	3	848.27	3	524.46	3	201.51	3		3		3	
1/4	2,136.83	1/4	1,812.30	1/4	1,490.71	1/4	1,166.11	1/4	841.50	1/4	517.72	1/4	195.03	1/4		1/4		1/4	
1/2	2,130.07	1/2	1,805.54	1/2	1,483.94	1/2	1,159.34	1/2	834.74	1/2	510.99	1/2	188.54	1/2		1/2		1/2	
3/4	2,123.31	3/4	1,798.78	3/4	1,477.18	3/4	1,152.58	3/4	827.98	3/4	504.24	3/4	182.06	3/4		3/4		3/4	
4	2,116.55	4	1,792.02	4	1,470.42	4	1,145.82	4	821.22	4	497.50	4	175.58	4		4		4	
1/4	2,109.78	1/4	1,785.26	1/4	1,463.66	1/4	1,139.06	1/4	814.45	1/4	490.75	1/4	169.09	1/4		1/4		1/4	
1/2	2,103.02	1/2	1,778.50	1/2	1,456.89	1/2	1,132.29	1/2	807.69	1/2	484.00	1/2	162.61	1/2		1/2		1/2	
3/4	2,096.26	3/4	1,771.73	3/4	1,450.13	3/4	1,125.53	3/4	800.93	3/4	477.24	3/4	156.13	3/4		3/4		3/4	
5	2,089.50	5	1,764.97	5	1,443.37	5	1,118.77	5	794.16	5	470.48	5	149.64	5		5		5	
1/4	2,082.74	1/4	1,758.21	1/4	1,436.61	1/4	1,112.01	1/4	787.40	1/4	463.72	1/4	143.16	1/4		1/4		1/4	
1/2	2,075.98	1/2	1,751.45	1/2	1,429.84	1/2	1,105.24	1/2	780.64	1/2	456.96	1/2	136.67	1/2		1/2		1/2	
3/4	2,069.22	3/4	1,744.80	3/4	1,423.08	3/4	1,098.48	3/4	773.88	3/4	450.19	3/4	130.19	3/4		3/4		3/4	
6	2,062.46	6	1,738.14	6	1,416.32	6	1,091.72	6	767.11	6	443.43	6	123.71	6		6		6	
1/4	2,055.70	1/4	1,731.49	1/4	1,409.56	1/4	1,084.96	1/4	760.35	1/4	436.67	1/4	117.22	1/4		1/4		1/4	
1/2	2,048.94	1/2	1,724.83	1/2	1,402.79	1/2	1,078.19	1/2	753.59	1/2	429.91	1/2	110.74	1/2		1/2		1/2	
3/4	2,042.17	3/4	1,718.19	3/4	1,396.03	3/4	1,071.43	3/4	746.82	3/4	423.14	3/4	104.26	3/4		3/4		3/4	
7	2,035.41	7	1,711.56	7	1,389.27	7	1,064.67	7	740.06	7	416.38	7	97.77	7		7		7	
1/4	2,028.65	1/4	1,704.92	1/4	1,382.51	1/4	1,057.91	1/4	733.30	1/4	409.62	1/4	91.29	1/4		1/4		1/4	
1/2	2,021.89	1/2	1,698.28	1/2	1,375.74	1/2	1,051.14	1/2	726.54	1/2	402.86	1/2	84.80	1/2		1/2		1/2	
3/4	2,015.13	3/4	1,691.64	3/4	1,368.98	3/4	1,044.38	3/4	719.78	3/4	396.09	3/4	78.08	3/4		3/4		3/4	
8	2,008.37	8	1,685.00	8	1,362.22	8	1,037.62	8	713.03	8	389.33	8	71.35	8		8		8	
1/4	2,001.61	1/4	1,678.36	1/4	1,355.46	1/4	1,030.86	1/4	706.28	1/4	382.57	1/4	64.62	1/4		1/4		1/4	
1/2	1,994.85	1/2	1,671.72	1/2	1,348.69	1/2	1,024.09	1/2	699.53	1/2	375.81	1/2	57.89	1/2		1/2		1/2	
3/4	1,988.09	3/4	1,665.08	3/4	1,341.93	3/4	1,017.33	3/4	692.79	3/4	369.04	3/4	51.87	3/4		3/4		3/4	
9	1,981.33	9	1,658.44	9	1,335.17	9	1,010.57	9	686.05	9	362.28	9	45.85	9		9		9	
1/4	1,974.56	1/4	1,651.80	1/4	1,328.41	1/4	1,003.81	1/4	679.31	1/4	355.52	1/4	39.82	1/4		1/4		1/4	
1/2	1,967.80	1/2	1,645.16	1/2	1,321.64	1/2	997.04	1/2	672.57	1/2	348.76	1/2	33.80	1/2		1/2		1/2	
3/4	1,961.04	3/4	1,638.52	3/4	1,314.88	3/4	990.28	3/4	665.84	3/4	341.99	3/4	29.36	3/4		3/4		3/4	
10	1,954.28	10	1,631.89	10	1,308.12	10	983.52	10	659.11	10	335.23	10	24.93	10		10		10	
1/4	1,947.52	1/4	1,625.25	1/4	1,301.36	1/4	976.76	1/4	652.37	1/4	328.47	1/4	20.49	1/4		1/4		1/4	
1/2	1,940.76	1/2	1,618.61	1/2	1,294.59	1/2	969.99	1/2	645.64	1/2	321.70	1/2	16.05	1/2		1/2		1/2	
3/4	1,934.00	3/4	1,611.97	3/4	1,287.83	3/4	963.23	3/4	638.91	3/4	314.94	3/4		3/4		3/4		3/4	
11	1,927.24	11	1,605.33	11	1,281.07	11	956.47	11	632.18	11	308.18	11		11		11		11	
1/4	1,920.48	1/4	1,598.69	1/4	1,274.31	1/4	949.71	1/4	625.44	1/4	301.42	1/4		1/4		1/4		1/4	
1/2	1,913.72	1/2	1,592.05	1/2	1,267.54	1/2	942.94	1/2	618.71	1/2	294.65	1/2		1/2		1/2		1/2	
3/4	1,906.95	3/4	1,585.31	3/4	1,260.78	3/4	936.18	3/4	611.98	3/4	287.89	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2005 CL - SW
CALCULATED: 04/26/2005 CL
PRINTED: 04/26/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2005

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



BARGE "KIRBY 28600"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 5/8"

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 1/8	4,475.06	0	4,170.49	0	3,846.22	0	3,521.94	0	3,197.67	0	2,873.39	0	2,549.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,473.16	1/4	4,163.73	1/4	3,839.46	1/4	3,515.19	1/4	3,190.91	1/4	2,866.64	1/4	2,542.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,469.36	1/2	4,156.98	1/2	3,832.70	1/2	3,508.43	1/2	3,184.16	1/2	2,859.88	1/2	2,535.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,464.58	3/4	4,150.22	3/4	3,825.95	3/4	3,501.67	3/4	3,177.40	3/4	2,853.13	3/4	2,528.85
1		1		1		1	4,459.79	1	4,143.47	1	3,819.19	1	3,494.92	1	3,170.65	1	2,846.37	1	2,522.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,455.01	1/4	4,136.71	1/4	3,812.44	1/4	3,488.16	1/4	3,163.89	1/4	2,839.62	1/4	2,515.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,450.22	1/2	4,129.95	1/2	3,805.68	1/2	3,481.41	1/2	3,157.13	1/2	2,832.86	1/2	2,508.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,444.31	3/4	4,123.20	3/4	3,798.93	3/4	3,474.65	3/4	3,150.38	3/4	2,826.10	3/4	2,501.83
2		2		2		2	4,438.40	2	4,116.44	2	3,792.17	2	3,467.90	2	3,143.62	2	2,819.35	2	2,495.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,432.49	1/4	4,109.69	1/4	3,785.41	1/4	3,461.14	1/4	3,136.87	1/4	2,812.59	1/4	2,488.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,426.58	1/2	4,102.93	1/2	3,778.66	1/2	3,454.38	1/2	3,130.11	1/2	2,805.84	1/2	2,481.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,419.97	3/4	4,096.18	3/4	3,771.90	3/4	3,447.63	3/4	3,123.36	3/4	2,799.08	3/4	2,474.81
3		3		3		3	4,413.37	3	4,089.42	3	3,765.15	3	3,440.87	3	3,116.60	3	2,792.33	3	2,468.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,406.76	1/4	4,082.67	1/4	3,758.39	1/4	3,434.12	1/4	3,109.84	1/4	2,785.57	1/4	2,461.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,400.16	1/2	4,075.91	1/2	3,751.64	1/2	3,427.36	1/2	3,103.09	1/2	2,778.81	1/2	2,454.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,393.41	3/4	4,069.15	3/4	3,744.88	3/4	3,420.61	3/4	3,096.33	3/4	2,772.06	3/4	2,447.79
4		4		4		4	4,386.66	4	4,062.40	4	3,738.12	4	3,413.85	4	3,089.58	4	2,765.30	4	2,441.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,379.91	1/4	4,055.64	1/4	3,731.37	1/4	3,407.10	1/4	3,082.82	1/4	2,758.55	1/4	2,434.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,373.16	1/2	4,048.89	1/2	3,724.61	1/2	3,400.34	1/2	3,076.07	1/2	2,751.79	1/2	2,427.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,366.40	3/4	4,042.13	3/4	3,717.86	3/4	3,393.58	3/4	3,069.31	3/4	2,745.04	3/4	2,420.76
5		5		5		5	4,359.65	5	4,035.38	5	3,711.10	5	3,386.83	5	3,062.55	5	2,738.28	5	2,414.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,352.89	1/4	4,028.62	1/4	3,704.35	1/4	3,380.07	1/4	3,055.80	1/4	2,731.52	1/4	2,407.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,346.14	1/2	4,021.86	1/2	3,697.59	1/2	3,373.32	1/2	3,049.04	1/2	2,724.77	1/2	2,400.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,339.38	3/4	4,015.11	3/4	3,690.83	3/4	3,366.56	3/4	3,042.29	3/4	2,718.01	3/4	2,393.74
6		6		6		6	4,332.63	6	4,008.35	6	3,684.08	6	3,359.81	6	3,035.53	6	2,711.26	6	2,386.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,325.87	1/4	4,001.60	1/4	3,677.32	1/4	3,353.05	1/4	3,028.78	1/4	2,704.50	1/4	2,380.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,319.11	1/2	3,994.84	1/2	3,670.57	1/2	3,346.29	1/2	3,022.02	1/2	2,697.75	1/2	2,373.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,312.36	3/4	3,988.09	3/4	3,663.81	3/4	3,339.54	3/4	3,015.26	3/4	2,690.99	3/4	2,366.72
7		7		7		7	4,305.60	7	3,981.33	7	3,657.06	7	3,332.78	7	3,008.51	7	2,684.24	7	2,359.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,298.85	1/4	3,974.57	1/4	3,650.30	1/4	3,326.03	1/4	3,001.75	1/4	2,677.48	1/4	2,353.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,292.09	1/2	3,967.82	1/2	3,643.54	1/2	3,319.27	1/2	2,995.00	1/2	2,670.72	1/2	2,346.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,285.34	3/4	3,961.06	3/4	3,636.79	3/4	3,312.52	3/4	2,988.24	3/4	2,663.97	3/4	2,339.69
8		8		8		8	4,278.58	8	3,954.31	8	3,630.03	8	3,305.76	8	2,981.49	8	2,657.21	8	2,332.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,271.82	1/4	3,947.55	1/4	3,623.28	1/4	3,299.00	1/4	2,974.73	1/4	2,650.46	1/4	2,326.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,265.07	1/2	3,940.80	1/2	3,616.52	1/2	3,292.25	1/2	2,967.97	1/2	2,643.70	1/2	2,319.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,258.31	3/4	3,934.04	3/4	3,609.77	3/4	3,285.49	3/4	2,961.22	3/4	2,636.95	3/4	2,312.67
9		9		9		9	4,251.56	9	3,927.28	9	3,603.01	9	3,278.74	9	2,954.46	9	2,630.19	9	2,305.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,244.80	1/4	3,920.53	1/4	3,596.25	1/4	3,271.98	1/4	2,947.71	1/4	2,623.43	1/4	2,299.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,238.05	1/2	3,913.77	1/2	3,589.50	1/2	3,265.23	1/2	2,940.95	1/2	2,616.68	1/2	2,292.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,231.29	3/4	3,907.02	3/4	3,582.74	3/4	3,258.47	3/4	2,934.20	3/4	2,609.92	3/4	2,285.65
10		10		10		10	4,224.53	10	3,900.26	10	3,575.99	10	3,251.71	10	2,927.44	10	2,603.17	10	2,278.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,217.78	1/4	3,893.51	1/4	3,569.23	1/4	3,244.96	1/4	2,920.68	1/4	2,596.41	1/4	2,272.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,211.02	1/2	3,886.75	1/2	3,562.48	1/2	3,238.20	1/2	2,913.93	1/2	2,589.66	1/2	2,265.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,204.27	3/4	3,879.99	3/4	3,555.72	3/4	3,231.45	3/4	2,907.17	3/4	2,582.90	3/4	2,258.63
11		11		11		11	4,197.51	11	3,873.24	11	3,548.96	11	3,224.69	11	2,900.42	11	2,576.14	11	2,251.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,190.76	1/4	3,866.48	1/4	3,542.21	1/4	3,217.94	1/4	2,893.66	1/4	2,569.39	1/4	2,245.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,184.00	1/2	3,859.73	1/2	3,535.45	1/2	3,211.18	1/2	2,886.91	1/2	2,562.63	1/2	2,238.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,177.24	3/4	3,852.97	3/4	3,528.70	3/4	3,204.42	3/4	2,880.15	3/4	2,555.88	3/4	2,231.60

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'-05" OFF CENTERLINE AND 40'-02" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28600"

1 STBD ULLAGE TABLE

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

GUAGE HEIGHT 16'-10 5/8"

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	2,224.85	0	1,903.13	0	1,579.15	0	1,254.83	0	931.57	0	608.13	0	284.28	0		0		0	
1/4	2,218.09	1/4	1,896.50	1/4	1,572.39	1/4	1,248.07	1/4	924.85	1/4	601.40	1/4	277.53	1/4		1/4		1/4	
1/2	2,211.34	1/2	1,889.86	1/2	1,565.64	1/2	1,241.32	1/2	918.12	1/2	594.67	1/2	270.77	1/2		1/2		1/2	
3/4	2,204.58	3/4	1,883.14	3/4	1,558.88	3/4	1,234.56	3/4	911.40	3/4	587.95	3/4	264.01	3/4		3/4		3/4	
1	2,197.82	1	1,876.41	1	1,552.13	1	1,227.80	1	904.67	1	581.22	1	257.25	1		1		1	
1/4	2,191.07	1/4	1,869.68	1/4	1,545.37	1/4	1,221.05	1/4	897.95	1/4	574.49	1/4	250.50	1/4		1/4		1/4	
1/2	2,184.31	1/2	1,862.95	1/2	1,538.62	1/2	1,214.29	1/2	891.22	1/2	567.77	1/2	243.74	1/2		1/2		1/2	
3/4	2,177.56	3/4	1,856.19	3/4	1,531.87	3/4	1,207.53	3/4	884.50	3/4	561.04	3/4	237.20	3/4		3/4		3/4	
2	2,170.80	2	1,849.44	2	1,525.11	2	1,200.77	2	877.77	2	554.31	2	230.65	2		2		2	
1/4	2,164.05	1/4	1,842.68	1/4	1,518.36	1/4	1,194.02	1/4	871.05	1/4	547.59	1/4	224.11	1/4		1/4		1/4	
1/2	2,157.29	1/2	1,835.93	1/2	1,511.60	1/2	1,187.26	1/2	864.33	1/2	540.86	1/2	217.56	1/2		1/2		1/2	
3/4	2,150.53	3/4	1,829.17	3/4	1,504.85	3/4	1,180.50	3/4	857.60	3/4	534.13	3/4	211.08	3/4		3/4		3/4	
3	2,143.78	3	1,822.41	3	1,498.09	3	1,173.74	3	850.88	3	527.40	3	204.60	3		3		3	
1/4	2,137.02	1/4	1,815.66	1/4	1,491.33	1/4	1,166.99	1/4	844.15	1/4	520.68	1/4	198.11	1/4		1/4		1/4	
1/2	2,130.27	1/2	1,808.90	1/2	1,484.58	1/2	1,160.23	1/2	837.43	1/2	513.95	1/2	191.63	1/2		1/2		1/2	
3/4	2,123.51	3/4	1,802.14	3/4	1,477.82	3/4	1,153.50	3/4	830.68	3/4	507.21	3/4	185.15	3/4		3/4		3/4	
4	2,116.76	4	1,795.38	4	1,471.06	4	1,146.77	4	823.93	4	500.47	4	178.67	4		4		4	
1/4	2,110.00	1/4	1,788.63	1/4	1,464.30	1/4	1,140.03	1/4	817.18	1/4	493.73	1/4	172.20	1/4		1/4		1/4	
1/2	2,103.24	1/2	1,781.87	1/2	1,457.55	1/2	1,133.30	1/2	810.43	1/2	486.99	1/2	165.72	1/2		1/2		1/2	
3/4	2,096.49	3/4	1,775.11	3/4	1,450.79	3/4	1,126.58	3/4	803.67	3/4	480.23	3/4	159.24	3/4		3/4		3/4	
5	2,089.73	5	1,768.35	5	1,444.03	5	1,119.85	5	796.91	5	473.48	5	152.76	5		5		5	
1/4	2,082.98	1/4	1,761.60	1/4	1,437.28	1/4	1,113.13	1/4	790.16	1/4	466.72	1/4	146.28	1/4		1/4		1/4	
1/2	2,076.22	1/2	1,754.84	1/2	1,430.52	1/2	1,106.40	1/2	783.40	1/2	459.97	1/2	139.80	1/2		1/2		1/2	
3/4	2,069.47	3/4	1,748.08	3/4	1,423.76	3/4	1,099.68	3/4	776.64	3/4	453.21	3/4	133.33	3/4		3/4		3/4	
6	2,062.71	6	1,741.32	6	1,417.00	6	1,092.95	6	769.88	6	446.46	6	126.85	6		6		6	
1/4	2,055.95	1/4	1,734.57	1/4	1,410.25	1/4	1,086.23	1/4	763.13	1/4	439.70	1/4	120.37	1/4		1/4		1/4	
1/2	2,049.20	1/2	1,727.81	1/2	1,403.49	1/2	1,079.50	1/2	756.37	1/2	432.94	1/2	113.89	1/2		1/2		1/2	
3/4	2,042.54	3/4	1,721.05	3/4	1,396.73	3/4	1,072.78	3/4	749.61	3/4	426.19	3/4	107.41	3/4		3/4		3/4	
7	2,035.87	7	1,714.29	7	1,389.98	7	1,066.06	7	742.85	7	419.43	7	100.93	7		7		7	
1/4	2,029.21	1/4	1,707.54	1/4	1,383.22	1/4	1,059.33	1/4	736.10	1/4	412.67	1/4	94.46	1/4		1/4		1/4	
1/2	2,022.55	1/2	1,700.78	1/2	1,376.46	1/2	1,052.61	1/2	729.34	1/2	405.91	1/2	87.98	1/2		1/2		1/2	
3/4	2,015.91	3/4	1,694.02	3/4	1,369.70	3/4	1,045.88	3/4	722.59	3/4	399.16	3/4	81.29	3/4		3/4		3/4	
8	2,009.28	8	1,687.26	8	1,362.95	8	1,039.16	8	715.84	8	392.40	8	74.59	8		8		8	
1/4	2,002.64	1/4	1,680.51	1/4	1,356.19	1/4	1,032.43	1/4	709.10	1/4	385.64	1/4	67.90	1/4		1/4		1/4	
1/2	1,996.01	1/2	1,673.75	1/2	1,349.43	1/2	1,025.71	1/2	702.35	1/2	378.88	1/2	61.21	1/2		1/2		1/2	
3/4	1,989.37	3/4	1,666.99	3/4	1,342.67	3/4	1,018.99	3/4	695.61	3/4	372.13	3/4	55.10	3/4		3/4		3/4	
9	1,982.74	9	1,660.23	9	1,335.92	9	1,012.26	9	688.88	9	365.37	9	49.00	9		9		9	
1/4	1,976.10	1/4	1,653.48	1/4	1,329.16	1/4	1,005.54	1/4	682.14	1/4	358.61	1/4	42.89	1/4		1/4		1/4	
1/2	1,969.47	1/2	1,646.72	1/2	1,322.40	1/2	998.81	1/2	675.41	1/2	351.86	1/2	36.78	1/2		1/2		1/2	
3/4	1,962.84	3/4	1,639.96	3/4	1,315.65	3/4	992.09	3/4	668.68	3/4	345.10	3/4	32.15	3/4		3/4		3/4	
10	1,956.20	10	1,633.20	10	1,308.89	10	985.36	10	661.95	10	338.34	10	27.52	10		10		10	
1/4	1,949.57	1/4	1,626.45	1/4	1,302.13	1/4	978.64	1/4	655.22	1/4	331.58	1/4	22.89	1/4		1/4		1/4	
1/2	1,942.94	1/2	1,619.69	1/2	1,295.37	1/2	971.92	1/2	648.49	1/2	324.83	1/2	18.26	1/2		1/2		1/2	
3/4	1,936.30	3/4	1,612.93	3/4	1,288.62	3/4	965.19	3/4	641.76	3/4	318.07	3/4	16.04	3/4		3/4		3/4	
11	1,929.67	11	1,606.17	11	1,281.86	11	958.47	11	635.04	11	311.31	11		11		11		11	
1/4	1,923.03	1/4	1,599.42	1/4	1,275.10	1/4	951.74	1/4	628.31	1/4	304.55	1/4		1/4		1/4		1/4	
1/2	1,916.40	1/2	1,592.66	1/2	1,268.35	1/2	945.02	1/2	621.58	1/2	297.80	1/2		1/2		1/2		1/2	
3/4	1,909.77	3/4	1,585.90	3/4	1,261.59	3/4	938.29	3/4	614.86	3/4	291.04	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2005 CL - SW
CALCULATED: 04/26/2005 CL
PRINTED: 04/26/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2005

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



BARGE "KIRBY 28600"

2 PORT ULLAGE TABLE

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

GUAGE HEIGHT 16'-10 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,239.78	0	4,879.26	0	4,499.63	0	4,120.00	0	3,740.37	0	3,360.73	0	2,981.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,235.33	1/4	4,871.35	1/4	4,491.72	1/4	4,112.09	1/4	3,732.46	1/4	3,352.83	1/4	2,973.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,230.88	1/2	4,863.44	1/2	4,483.81	1/2	4,104.18	1/2	3,724.55	1/2	3,344.92	1/2	2,965.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,225.12	3/4	4,855.54	3/4	4,475.90	3/4	4,096.27	3/4	3,716.64	3/4	3,337.01	3/4	2,957.38
1		1		1		1	5,219.35	1	4,847.63	1	4,467.99	1	4,088.36	1	3,708.73	1	3,329.10	1	2,949.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,213.58	1/4	4,839.72	1/4	4,460.09	1/4	4,080.45	1/4	3,700.82	1/4	3,321.19	1/4	2,941.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,207.81	1/2	4,831.81	1/2	4,452.18	1/2	4,072.54	1/2	3,692.91	1/2	3,313.28	1/2	2,933.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,200.73	3/4	4,823.90	3/4	4,444.27	3/4	4,064.64	3/4	3,685.00	3/4	3,305.37	3/4	2,925.74
2		2		2		2	5,193.64	2	4,815.99	2	4,436.36	2	4,056.73	2	3,677.09	2	3,297.46	2	2,917.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,186.56	1/4	4,808.08	1/4	4,428.45	1/4	4,048.82	1/4	3,669.19	1/4	3,289.55	1/4	2,909.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,179.47	1/2	4,800.17	1/2	4,420.54	1/2	4,040.91	1/2	3,661.28	1/2	3,281.64	1/2	2,902.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,171.65	3/4	4,792.26	3/4	4,412.63	3/4	4,033.00	3/4	3,653.37	3/4	3,273.74	3/4	2,894.10
3		3		3		3	5,163.82	3	4,784.35	3	4,404.72	3	4,025.09	3	3,645.46	3	3,265.83	3	2,886.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,156.00	1/4	4,776.45	1/4	4,396.81	1/4	4,017.18	1/4	3,637.55	1/4	3,257.92	1/4	2,878.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,148.17	1/2	4,768.54	1/2	4,388.90	1/2	4,009.27	1/2	3,629.64	1/2	3,250.01	1/2	2,870.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,140.26	3/4	4,760.63	3/4	4,381.00	3/4	4,001.36	3/4	3,621.73	3/4	3,242.10	3/4	2,862.47
4		4		4		4	5,132.35	4	4,752.72	4	4,373.09	4	3,993.45	4	3,613.82	4	3,234.19	4	2,854.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,124.44	1/4	4,744.81	1/4	4,365.18	1/4	3,985.55	1/4	3,605.91	1/4	3,226.28	1/4	2,846.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,116.53	1/2	4,736.90	1/2	4,357.27	1/2	3,977.64	1/2	3,598.00	1/2	3,218.37	1/2	2,838.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,108.62	3/4	4,728.99	3/4	4,349.36	3/4	3,969.73	3/4	3,590.10	3/4	3,210.46	3/4	2,830.83
5		5		5		5	5,100.71	5	4,721.08	5	4,341.45	5	3,961.82	5	3,582.19	5	3,202.55	5	2,822.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,092.81	1/4	4,713.17	1/4	4,333.54	1/4	3,953.91	1/4	3,574.28	1/4	3,194.65	1/4	2,815.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,084.90	1/2	4,705.26	1/2	4,325.63	1/2	3,946.00	1/2	3,566.37	1/2	3,186.74	1/2	2,807.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,076.99	3/4	4,697.36	3/4	4,317.72	3/4	3,938.09	3/4	3,558.46	3/4	3,178.83	3/4	2,799.20
6		6		6		6	5,069.08	6	4,689.45	6	4,309.81	6	3,930.18	6	3,550.55	6	3,170.92	6	2,791.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,061.17	1/4	4,681.54	1/4	4,301.91	1/4	3,922.27	1/4	3,542.64	1/4	3,163.01	1/4	2,783.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,053.26	1/2	4,673.63	1/2	4,294.00	1/2	3,914.36	1/2	3,534.73	1/2	3,155.10	1/2	2,775.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,045.35	3/4	4,665.72	3/4	4,286.09	3/4	3,906.46	3/4	3,526.82	3/4	3,147.19	3/4	2,767.56
7		7		7		7	5,037.44	7	4,657.81	7	4,278.18	7	3,898.55	7	3,518.91	7	3,139.28	7	2,759.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,029.53	1/4	4,649.90	1/4	4,270.27	1/4	3,890.64	1/4	3,511.01	1/4	3,131.37	1/4	2,751.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,021.62	1/2	4,641.99	1/2	4,262.36	1/2	3,882.73	1/2	3,503.10	1/2	3,123.46	1/2	2,743.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,013.72	3/4	4,634.08	3/4	4,254.45	3/4	3,874.82	3/4	3,495.19	3/4	3,115.56	3/4	2,735.92
8		8		8		8	5,005.81	8	4,626.17	8	4,246.54	8	3,866.91	8	3,487.28	8	3,107.65	8	2,728.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,997.90	1/4	4,618.27	1/4	4,238.63	1/4	3,859.00	1/4	3,479.37	1/4	3,099.74	1/4	2,720.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,989.99	1/2	4,610.36	1/2	4,230.72	1/2	3,851.09	1/2	3,471.46	1/2	3,091.83	1/2	2,712.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,982.08	3/4	4,602.45	3/4	4,222.82	3/4	3,843.18	3/4	3,463.55	3/4	3,083.92	3/4	2,704.29
9		9		9		9	4,974.17	9	4,594.54	9	4,214.91	9	3,835.27	9	3,455.64	9	3,076.01	9	2,696.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,966.26	1/4	4,586.63	1/4	4,207.00	1/4	3,827.37	1/4	3,447.73	1/4	3,068.10	1/4	2,688.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,958.35	1/2	4,578.72	1/2	4,199.09	1/2	3,819.46	1/2	3,439.82	1/2	3,060.19	1/2	2,680.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,950.44	3/4	4,570.81	3/4	4,191.18	3/4	3,811.55	3/4	3,431.92	3/4	3,052.28	3/4	2,672.65
10		10		10		10	4,942.53	10	4,562.90	10	4,183.27	10	3,803.64	10	3,424.01	10	3,044.37	10	2,664.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,934.63	1/4	4,554.99	1/4	4,175.36	1/4	3,795.73	1/4	3,416.10	1/4	3,036.47	1/4	2,656.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,926.72	1/2	4,547.08	1/2	4,167.45	1/2	3,787.82	1/2	3,408.19	1/2	3,028.56	1/2	2,648.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,918.81	3/4	4,539.18	3/4	4,159.54	3/4	3,779.91	3/4	3,400.28	3/4	3,020.65	3/4	2,641.02
11		11		11		11	4,910.90	11	4,531.27	11	4,151.63	11	3,772.00	11	3,392.37	11	3,012.74	11	2,633.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,902.99	1/4	4,523.36	1/4	4,143.73	1/4	3,764.09	1/4	3,384.46	1/4	3,004.83	1/4	2,625.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,895.08	1/2	4,515.45	1/2	4,135.82	1/2	3,756.18	1/2	3,376.55	1/2	2,996.92	1/2	2,617.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,887.17	3/4	4,507.54	3/4	4,127.91	3/4	3,748.28	3/4	3,368.64	3/4	2,989.01	3/4	2,609.38

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'-05" OFF CENTERLINE AND 47'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28600"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,601.47	0	2,221.84	0	1,846.14	0	1,466.59	0	1,086.97	0	707.78	0	328.64	0		0		0	
1/4	2,593.56	1/4	2,213.93	1/4	1,838.25	1/4	1,458.68	1/4	1,079.06	1/4	699.90	1/4	320.74	1/4		1/4		1/4	
1/2	2,585.65	1/2	2,206.02	1/2	1,830.36	1/2	1,450.77	1/2	1,071.15	1/2	692.02	1/2	312.83	1/2		1/2		1/2	
3/4	2,577.74	3/4	2,198.11	3/4	1,822.46	3/4	1,442.86	3/4	1,063.24	3/4	684.14	3/4	304.92	3/4		3/4		3/4	
1	2,569.83	1	2,190.20	1	1,814.55	1	1,434.95	1	1,055.33	1	676.26	1	297.01	1		1		1	
1/4	2,561.93	1/4	2,182.29	1/4	1,806.65	1/4	1,427.04	1/4	1,047.43	1/4	668.39	1/4	289.10	1/4		1/4		1/4	
1/2	2,554.02	1/2	2,174.38	1/2	1,798.74	1/2	1,419.14	1/2	1,039.52	1/2	660.51	1/2	281.19	1/2		1/2		1/2	
3/4	2,546.11	3/4	2,166.48	3/4	1,790.84	3/4	1,411.23	3/4	1,031.61	3/4	652.63	3/4	273.57	3/4		3/4		3/4	
2	2,538.20	2	2,158.57	2	1,782.93	2	1,403.32	2	1,023.70	2	644.75	2	265.95	2		2		2	
1/4	2,530.29	1/4	2,150.66	1/4	1,775.02	1/4	1,395.41	1/4	1,015.79	1/4	636.87	1/4	258.33	1/4		1/4		1/4	
1/2	2,522.38	1/2	2,142.75	1/2	1,767.12	1/2	1,387.50	1/2	1,007.88	1/2	628.99	1/2	250.71	1/2		1/2		1/2	
3/4	2,514.47	3/4	2,134.84	3/4	1,759.21	3/4	1,379.59	3/4	999.97	3/4	621.11	3/4	243.13	3/4		3/4		3/4	
3	2,506.56	3	2,126.93	3	1,751.30	3	1,371.68	3	992.06	3	613.23	3	235.55	3		3		3	
1/4	2,498.65	1/4	2,119.02	1/4	1,743.39	1/4	1,363.77	1/4	984.15	1/4	605.36	1/4	227.97	1/4		1/4		1/4	
1/2	2,490.74	1/2	2,111.11	1/2	1,735.48	1/2	1,355.87	1/2	976.24	1/2	597.48	1/2	220.39	1/2		1/2		1/2	
3/4	2,482.84	3/4	2,103.20	3/4	1,727.57	3/4	1,347.96	3/4	968.34	3/4	589.58	3/4	212.81	3/4		3/4		3/4	
4	2,474.93	4	2,095.29	4	1,719.67	4	1,340.05	4	960.43	4	581.69	4	205.23	4		4		4	
1/4	2,467.02	1/4	2,087.39	1/4	1,711.76	1/4	1,332.14	1/4	952.52	1/4	573.80	1/4	197.65	1/4		1/4		1/4	
1/2	2,459.11	1/2	2,079.48	1/2	1,703.85	1/2	1,324.23	1/2	944.61	1/2	565.90	1/2	190.07	1/2		1/2		1/2	
3/4	2,451.20	3/4	2,071.57	3/4	1,695.94	3/4	1,316.32	3/4	936.70	3/4	557.99	3/4	182.49	3/4		3/4		3/4	
5	2,443.29	5	2,063.66	5	1,688.03	5	1,308.41	5	928.79	5	550.09	5	174.91	5		5		5	
1/4	2,435.38	1/4	2,055.75	1/4	1,680.12	1/4	1,300.50	1/4	920.88	1/4	542.18	1/4	167.33	1/4		1/4		1/4	
1/2	2,427.47	1/2	2,047.84	1/2	1,672.21	1/2	1,292.60	1/2	912.97	1/2	534.27	1/2	159.75	1/2		1/2		1/2	
3/4	2,419.56	3/4	2,040.08	3/4	1,664.31	3/4	1,284.69	3/4	905.06	3/4	526.36	3/4	152.17	3/4		3/4		3/4	
6	2,411.65	6	2,032.31	6	1,656.40	6	1,276.78	6	897.15	6	518.46	6	144.59	6		6		6	
1/4	2,403.75	1/4	2,024.55	1/4	1,648.49	1/4	1,268.87	1/4	889.25	1/4	510.55	1/4	137.01	1/4		1/4		1/4	
1/2	2,395.84	1/2	2,016.78	1/2	1,640.58	1/2	1,260.96	1/2	881.34	1/2	502.64	1/2	129.43	1/2		1/2		1/2	
3/4	2,387.93	3/4	2,009.04	3/4	1,632.67	3/4	1,253.05	3/4	873.43	3/4	494.73	3/4	121.85	3/4		3/4		3/4	
7	2,380.02	7	2,001.30	7	1,624.76	7	1,245.14	7	865.52	7	486.82	7	114.27	7		7		7	
1/4	2,372.11	1/4	1,993.55	1/4	1,616.85	1/4	1,237.24	1/4	857.61	1/4	478.91	1/4	106.69	1/4		1/4		1/4	
1/2	2,364.20	1/2	1,985.81	1/2	1,608.94	1/2	1,229.33	1/2	849.70	1/2	471.00	1/2	99.11	1/2		1/2		1/2	
3/4	2,356.29	3/4	1,978.06	3/4	1,601.04	3/4	1,221.42	3/4	841.80	3/4	463.09	3/4	91.24	3/4		3/4		3/4	
8	2,348.38	8	1,970.32	8	1,593.13	8	1,213.51	8	833.90	8	455.19	8	83.37	8		8		8	
1/4	2,340.47	1/4	1,962.58	1/4	1,585.22	1/4	1,205.60	1/4	826.01	1/4	447.28	1/4	75.50	1/4		1/4		1/4	
1/2	2,332.56	1/2	1,954.83	1/2	1,577.31	1/2	1,197.69	1/2	818.11	1/2	439.37	1/2	67.64	1/2		1/2		1/2	
3/4	2,324.66	3/4	1,947.09	3/4	1,569.40	3/4	1,189.78	3/4	810.22	3/4	431.46	3/4	60.59	3/4		3/4		3/4	
9	2,316.75	9	1,939.35	9	1,561.49	9	1,181.87	9	802.34	9	423.55	9	53.55	9		9		9	
1/4	2,308.84	1/4	1,931.60	1/4	1,553.58	1/4	1,173.97	1/4	794.45	1/4	415.64	1/4	46.50	1/4		1/4		1/4	
1/2	2,300.93	1/2	1,923.86	1/2	1,545.67	1/2	1,166.06	1/2	786.57	1/2	407.73	1/2	39.46	1/2		1/2		1/2	
3/4	2,293.02	3/4	1,916.11	3/4	1,537.77	3/4	1,158.15	3/4	778.69	3/4	399.82	3/4	34.27	3/4		3/4		3/4	
10	2,285.11	10	1,908.37	10	1,529.86	10	1,150.24	10	770.81	10	391.91	10	29.08	10		10		10	
1/4	2,277.20	1/4	1,900.63	1/4	1,521.95	1/4	1,142.33	1/4	762.93	1/4	384.01	1/4	23.89	1/4		1/4		1/4	
1/2	2,269.29	1/2	1,892.88	1/2	1,514.04	1/2	1,134.42	1/2	755.05	1/2	376.10	1/2	18.70	1/2		1/2		1/2	
3/4	2,261.38	3/4	1,885.14	3/4	1,506.13	3/4	1,126.51	3/4	747.17	3/4	368.19	3/4		3/4		3/4		3/4	
11	2,253.47	11	1,877.39	11	1,498.22	11	1,118.60	11	739.29	11	360.28	11		11		11		11	
1/4	2,245.57	1/4	1,869.65	1/4	1,490.31	1/4	1,110.70	1/4	731.41	1/4	352.37	1/4		1/4		1/4		1/4	
1/2	2,237.66	1/2	1,861.91	1/2	1,482.40	1/2	1,102.79	1/2	723.54	1/2	344.46	1/2		1/2		1/2		1/2	
3/4	2,229.75	3/4	1,854.02	3/4	1,474.50	3/4	1,094.88	3/4	715.66	3/4	336.55	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2005 CL - SW
CALCULATED: 04/26/2005 CL
PRINTED: 04/26/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2005

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



BARGE "KIRBY 28600"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,226.86	0	4,866.23	0	4,486.47	0	4,106.71	0	3,726.95	0	3,347.19	0	2,967.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,222.41	1/4	4,858.32	1/4	4,478.56	1/4	4,098.80	1/4	3,719.04	1/4	3,339.27	1/4	2,959.51		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,217.96	1/2	4,850.41	1/2	4,470.65	1/2	4,090.89	1/2	3,711.12	1/2	3,331.36	1/2	2,951.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,212.19	3/4	4,842.50	3/4	4,462.74	3/4	4,082.97	3/4	3,703.21	3/4	3,323.45	3/4	2,943.69		
1		1		1		1	5,206.42	1	4,834.58	1	4,454.82	1	4,075.06	1	3,695.30	1	3,315.54	1	2,935.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,200.65	1/4	4,826.67	1/4	4,446.91	1/4	4,067.15	1/4	3,687.39	1/4	3,307.63	1/4	2,927.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,194.88	1/2	4,818.76	1/2	4,439.00	1/2	4,059.24	1/2	3,679.48	1/2	3,299.72	1/2	2,919.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,187.79	3/4	4,810.85	3/4	4,431.09	3/4	4,051.33	3/4	3,671.57	3/4	3,291.80	3/4	2,912.04		
2		2		2		2	5,180.71	2	4,802.94	2	4,423.18	2	4,043.41	2	3,663.65	2	3,283.89	2	2,904.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,173.62	1/4	4,795.03	1/4	4,415.26	1/4	4,035.50	1/4	3,655.74	1/4	3,275.98	1/4	2,896.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,166.53	1/2	4,787.11	1/2	4,407.35	1/2	4,027.59	1/2	3,647.83	1/2	3,268.07	1/2	2,888.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,158.70	3/4	4,779.20	3/4	4,399.44	3/4	4,019.68	3/4	3,639.92	3/4	3,260.16	3/4	2,880.40		
3		3		3		3	5,150.88	3	4,771.29	3	4,391.53	3	4,011.77	3	3,632.01	3	3,252.24	3	2,872.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,143.05	1/4	4,763.38	1/4	4,383.62	1/4	4,003.86	1/4	3,624.09	1/4	3,244.33	1/4	2,864.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,135.23	1/2	4,755.47	1/2	4,375.71	1/2	3,995.94	1/2	3,616.18	1/2	3,236.42	1/2	2,856.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,127.32	3/4	4,747.56	3/4	4,367.79	3/4	3,988.03	3/4	3,608.27	3/4	3,228.51	3/4	2,848.75		
4		4		4		4	5,119.41	4	4,739.64	4	4,359.88	4	3,980.12	4	3,600.36	4	3,220.60	4	2,840.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,111.49	1/4	4,731.73	1/4	4,351.97	1/4	3,972.21	1/4	3,592.45	1/4	3,212.69	1/4	2,832.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,103.58	1/2	4,723.82	1/2	4,344.06	1/2	3,964.30	1/2	3,584.54	1/2	3,204.77	1/2	2,825.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,095.67	3/4	4,715.91	3/4	4,336.15	3/4	3,956.39	3/4	3,576.62	3/4	3,196.86	3/4	2,817.10		
5		5		5		5	5,087.76	5	4,708.00	5	4,328.24	5	3,948.47	5	3,568.71	5	3,188.95	5	2,809.19		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,079.85	1/4	4,700.09	1/4	4,320.32	1/4	3,940.56	1/4	3,560.80	1/4	3,181.04	1/4	2,801.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,071.94	1/2	4,692.17	1/2	4,312.41	1/2	3,932.65	1/2	3,552.89	1/2	3,173.13	1/2	2,793.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,064.02	3/4	4,684.26	3/4	4,304.50	3/4	3,924.74	3/4	3,544.98	3/4	3,165.22	3/4	2,785.45		
6		6		6		6	5,056.11	6	4,676.35	6	4,296.59	6	3,916.83	6	3,537.07	6	3,157.30	6	2,777.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,048.20	1/4	4,668.44	1/4	4,288.68	1/4	3,908.92	1/4	3,529.15	1/4	3,149.39	1/4	2,769.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,040.29	1/2	4,660.53	1/2	4,280.77	1/2	3,901.00	1/2	3,521.24	1/2	3,141.48	1/2	2,761.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,032.38	3/4	4,652.62	3/4	4,272.85	3/4	3,893.09	3/4	3,513.33	3/4	3,133.57	3/4	2,753.81		
7		7		7		7	5,024.47	7	4,644.70	7	4,264.94	7	3,885.18	7	3,505.42	7	3,125.66	7	2,745.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,016.55	1/4	4,636.79	1/4	4,257.03	1/4	3,877.27	1/4	3,497.51	1/4	3,117.75	1/4	2,737.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,008.64	1/2	4,628.88	1/2	4,249.12	1/2	3,869.36	1/2	3,489.60	1/2	3,109.83	1/2	2,730.07		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,000.73	3/4	4,620.97	3/4	4,241.21	3/4	3,861.45	3/4	3,481.68	3/4	3,101.92	3/4	2,722.16		
8		8		8		8	4,992.82	8	4,613.06	8	4,233.30	8	3,853.53	8	3,473.77	8	3,094.01	8	2,714.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,984.91	1/4	4,605.15	1/4	4,225.38	1/4	3,845.62	1/4	3,465.86	1/4	3,086.10	1/4	2,706.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,977.00	1/2	4,597.23	1/2	4,217.47	1/2	3,837.71	1/2	3,457.95	1/2	3,078.19	1/2	2,698.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,969.08	3/4	4,589.32	3/4	4,209.56	3/4	3,829.80	3/4	3,450.04	3/4	3,070.28	3/4	2,690.51		
9		9		9		9	4,961.17	9	4,581.41	9	4,201.65	9	3,821.89	9	3,442.13	9	3,062.36	9	2,682.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,953.26	1/4	4,573.50	1/4	4,193.74	1/4	3,813.98	1/4	3,434.21	1/4	3,054.45	1/4	2,674.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,945.35	1/2	4,565.59	1/2	4,185.83	1/2	3,806.06	1/2	3,426.30	1/2	3,046.54	1/2	2,666.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,937.44	3/4	4,557.68	3/4	4,177.91	3/4	3,798.15	3/4	3,418.39	3/4	3,038.63	3/4	2,658.87		
10		10		10		10	4,929.53	10	4,549.76	10	4,170.00	10	3,790.24	10	3,410.48	10	3,030.72	10	2,650.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,921.61	1/4	4,541.85	1/4	4,162.09	1/4	3,782.33	1/4	3,402.57	1/4	3,022.81	1/4	2,643.04		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,913.70	1/2	4,533.94	1/2	4,154.18	1/2	3,774.42	1/2	3,394.66	1/2	3,014.89	1/2	2,635.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,905.79	3/4	4,526.03	3/4	4,146.27	3/4	3,766.51	3/4	3,386.74	3/4	3,006.98	3/4	2,627.22		
11		11		11		11	4,897.88	11	4,518.12	11	4,138.36	11	3,758.59	11	3,378.83	11	2,999.07	11	2,619.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,889.97	1/4	4,510.21	1/4	4,130.44	1/4	3,750.68	1/4	3,370.92	1/4	2,991.16	1/4	2,611.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,882.06	1/2	4,502.29	1/2	4,122.53	1/2	3,742.77	1/2	3,363.01	1/2	2,983.25	1/2	2,603.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,874.14	3/4	4,494.38	3/4	4,114.62	3/4	3,734.86	3/4	3,355.10	3/4	2,975.34	3/4	2,595.57		

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'-05" OFF CENTERLINE AND 47'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28600"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,587.66	0	2,207.90	0	1,832.11	0	1,452.40	0	1,072.65	0	707.25	0	328.76	0		0		0	
1/4	2,579.75	1/4	2,199.99	1/4	1,824.20	1/4	1,444.49	1/4	1,064.74	1/4	699.68	1/4	320.85	1/4		1/4		1/4	
1/2	2,571.84	1/2	2,192.08	1/2	1,816.29	1/2	1,436.57	1/2	1,056.83	1/2	692.10	1/2	312.93	1/2		1/2		1/2	
3/4	2,563.93	3/4	2,184.31	3/4	1,808.39	3/4	1,428.66	3/4	1,049.18	3/4	684.26	3/4	305.02	3/4		3/4		3/4	
1	2,556.02	1	2,176.54	1	1,800.48	1	1,420.75	1	1,041.54	1	676.42	1	297.11	1		1		1	
1/4	2,548.10	1/4	2,168.78	1/4	1,792.57	1/4	1,412.84	1/4	1,033.90	1/4	668.57	1/4	289.20	1/4		1/4		1/4	
1/2	2,540.19	1/2	2,161.01	1/2	1,784.66	1/2	1,404.93	1/2	1,026.25	1/2	660.73	1/2	281.29	1/2		1/2		1/2	
3/4	2,532.28	3/4	2,153.26	3/4	1,776.75	3/4	1,397.02	3/4	1,018.65	3/4	652.85	3/4	273.67	3/4		3/4		3/4	
2	2,524.37	2	2,145.52	2	1,768.84	2	1,389.11	2	1,011.04	2	644.97	2	266.04	2		2		2	
1/4	2,516.46	1/4	2,137.77	1/4	1,760.94	1/4	1,381.19	1/4	1,003.44	1/4	637.09	1/4	258.42	1/4		1/4		1/4	
1/2	2,508.55	1/2	2,130.02	1/2	1,753.03	1/2	1,373.28	1/2	995.83	1/2	629.21	1/2	250.79	1/2		1/2		1/2	
3/4	2,500.63	3/4	2,122.28	3/4	1,745.12	3/4	1,365.37	3/4	988.22	3/4	621.32	3/4	243.21	3/4		3/4		3/4	
3	2,492.72	3	2,114.53	3	1,737.21	3	1,357.46	3	980.62	3	613.44	3	235.63	3		3		3	
1/4	2,484.81	1/4	2,106.78	1/4	1,729.30	1/4	1,349.55	1/4	973.01	1/4	605.56	1/4	228.05	1/4		1/4		1/4	
1/2	2,476.90	1/2	2,099.04	1/2	1,721.39	1/2	1,341.64	1/2	965.41	1/2	597.68	1/2	220.46	1/2		1/2		1/2	
3/4	2,468.99	3/4	2,091.29	3/4	1,713.47	3/4	1,333.73	3/4	957.80	3/4	589.78	3/4	212.88	3/4		3/4		3/4	
4	2,461.07	4	2,083.54	4	1,705.56	4	1,325.82	4	950.20	4	581.89	4	205.30	4		4		4	
1/4	2,453.16	1/4	2,075.80	1/4	1,697.65	1/4	1,317.90	1/4	942.59	1/4	573.99	1/4	197.72	1/4		1/4		1/4	
1/2	2,445.25	1/2	2,068.05	1/2	1,689.74	1/2	1,309.99	1/2	934.98	1/2	566.09	1/2	190.13	1/2		1/2		1/2	
3/4	2,437.34	3/4	2,060.31	3/4	1,681.83	3/4	1,302.08	3/4	927.38	3/4	558.18	3/4	182.55	3/4		3/4		3/4	
5	2,429.43	5	2,052.56	5	1,673.92	5	1,294.17	5	919.77	5	550.27	5	174.97	5		5		5	
1/4	2,421.52	1/4	2,044.81	1/4	1,666.01	1/4	1,286.26	1/4	912.17	1/4	542.36	1/4	167.38	1/4		1/4		1/4	
1/2	2,413.60	1/2	2,037.07	1/2	1,658.09	1/2	1,278.35	1/2	904.56	1/2	534.45	1/2	159.80	1/2		1/2		1/2	
3/4	2,405.69	3/4	2,029.32	3/4	1,650.18	3/4	1,270.44	3/4	896.96	3/4	526.54	3/4	152.22	3/4		3/4		3/4	
6	2,397.78	6	2,021.57	6	1,642.27	6	1,262.52	6	889.35	6	518.63	6	144.64	6		6		6	
1/4	2,389.87	1/4	2,013.83	1/4	1,634.36	1/4	1,254.61	1/4	881.74	1/4	510.72	1/4	137.05	1/4		1/4		1/4	
1/2	2,381.96	1/2	2,006.08	1/2	1,626.45	1/2	1,246.70	1/2	874.14	1/2	502.81	1/2	129.47	1/2		1/2		1/2	
3/4	2,374.05	3/4	1,998.19	3/4	1,618.54	3/4	1,238.79	3/4	866.53	3/4	494.90	3/4	121.89	3/4		3/4		3/4	
7	2,366.13	7	1,990.30	7	1,610.63	7	1,230.88	7	858.93	7	486.99	7	114.31	7		7		7	
1/4	2,358.22	1/4	1,982.41	1/4	1,602.71	1/4	1,222.97	1/4	851.32	1/4	479.07	1/4	106.72	1/4		1/4		1/4	
1/2	2,350.31	1/2	1,974.52	1/2	1,594.80	1/2	1,215.06	1/2	843.72	1/2	471.16	1/2	99.14	1/2		1/2		1/2	
3/4	2,342.40	3/4	1,966.61	3/4	1,586.89	3/4	1,207.14	3/4	836.12	3/4	463.25	3/4	91.27	3/4		3/4		3/4	
8	2,334.49	8	1,958.69	8	1,578.98	8	1,199.23	8	828.53	8	455.34	8	83.40	8		8		8	
1/4	2,326.58	1/4	1,950.78	1/4	1,571.07	1/4	1,191.32	1/4	820.93	1/4	447.43	1/4	75.53	1/4		1/4		1/4	
1/2	2,318.66	1/2	1,942.87	1/2	1,563.16	1/2	1,183.41	1/2	813.34	1/2	439.52	1/2	67.66	1/2		1/2		1/2	
3/4	2,310.75	3/4	1,934.96	3/4	1,555.25	3/4	1,175.50	3/4	805.75	3/4	431.61	3/4	60.61	3/4		3/4		3/4	
9	2,302.84	9	1,927.05	9	1,547.33	9	1,167.59	9	798.17	9	423.69	9	53.57	9		9		9	
1/4	2,294.93	1/4	1,919.14	1/4	1,539.42	1/4	1,159.68	1/4	790.59	1/4	415.78	1/4	46.52	1/4		1/4		1/4	
1/2	2,287.02	1/2	1,911.22	1/2	1,531.51	1/2	1,151.76	1/2	783.01	1/2	407.87	1/2	39.47	1/2		1/2		1/2	
3/4	2,279.11	3/4	1,903.31	3/4	1,523.60	3/4	1,143.85	3/4	775.43	3/4	399.96	3/4	34.28	3/4		3/4		3/4	
10	2,271.19	10	1,895.40	10	1,515.69	10	1,135.94	10	767.86	10	392.05	10	29.09	10		10		10	
1/4	2,263.28	1/4	1,887.49	1/4	1,507.78	1/4	1,128.03	1/4	760.28	1/4	384.14	1/4	23.90	1/4		1/4		1/4	
1/2	2,255.37	1/2	1,879.58	1/2	1,499.87	1/2	1,120.12	1/2	752.70	1/2	376.23	1/2	18.71	1/2		1/2		1/2	
3/4	2,247.46	3/4	1,871.67	3/4	1,491.95	3/4	1,112.21	3/4	745.13	3/4	368.31	3/4		3/4		3/4		3/4	
11	2,239.55	11	1,863.75	11	1,484.04	11	1,104.30	11	737.55	11	360.40	11		11		11		11	
1/4	2,231.64	1/4	1,855.84	1/4	1,476.13	1/4	1,096.38	1/4	729.98	1/4	352.49	1/4		1/4		1/4		1/4	
1/2	2,223.72	1/2	1,847.93	1/2	1,468.22	1/2	1,088.47	1/2	722.40	1/2	344.58	1/2		1/2		1/2		1/2	
3/4	2,215.81	3/4	1,840.02	3/4	1,460.31	3/4	1,080.56	3/4	714.83	3/4	336.67	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2005 CL - SW
CALCULATED: 04/26/2005 CL
PRINTED: 04/26/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2005

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



BARGE "KIRBY 28600"

3 PORT ULLAGE TABLE

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

GUAGE HEIGHT 16'-10 5/8"

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 1/8	4,350.30	0	4,179.55	0	3,989.04	0	3,798.53	0	3,482.56	0	3,129.76	0	2,777.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,349.92	1/4	4,175.59	1/4	3,985.07	1/4	3,794.56	1/4	3,475.20	1/4	3,122.42	1/4	2,769.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,349.18	1/2	4,171.62	1/2	3,981.10	1/2	3,790.59	1/2	3,467.84	1/2	3,115.07	1/2	2,762.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,347.36	3/4	4,167.65	3/4	3,977.14	3/4	3,786.62	3/4	3,460.49	3/4	3,107.72	3/4	2,754.96
1		1		1		1	4,345.53	1	4,163.68	1	3,973.17	1	3,782.65	1	3,453.14	1	3,100.37	1	2,747.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,343.71	1/4	4,159.71	1/4	3,969.20	1/4	3,778.69	1/4	3,445.78	1/4	3,093.02	1/4	2,740.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,341.89	1/2	4,155.74	1/2	3,965.23	1/2	3,774.72	1/2	3,438.43	1/2	3,085.67	1/2	2,732.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,338.84	3/4	4,151.77	3/4	3,961.26	3/4	3,770.75	3/4	3,431.08	3/4	3,078.32	3/4	2,725.56
2		2		2		2	4,335.79	2	4,147.80	2	3,957.29	2	3,766.78	2	3,423.73	2	3,070.97	2	2,718.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,332.74	1/4	4,143.83	1/4	3,953.32	1/4	3,762.81	1/4	3,416.38	1/4	3,063.62	1/4	2,710.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,329.69	1/2	4,139.86	1/2	3,949.35	1/2	3,758.84	1/2	3,409.03	1/2	3,056.27	1/2	2,703.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,325.89	3/4	4,135.90	3/4	3,945.38	3/4	3,752.27	3/4	3,401.68	3/4	3,048.92	3/4	2,696.17
3		3		3		3	4,322.08	3	4,131.93	3	3,941.41	3	3,745.71	3	3,394.33	3	3,041.58	3	2,688.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,318.28	1/4	4,127.96	1/4	3,937.45	1/4	3,739.14	1/4	3,386.98	1/4	3,034.23	1/4	2,681.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,314.47	1/2	4,123.99	1/2	3,933.48	1/2	3,732.58	1/2	3,379.63	1/2	3,026.88	1/2	2,674.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,310.51	3/4	4,120.02	3/4	3,929.51	3/4	3,725.27	3/4	3,372.28	3/4	3,019.53	3/4	2,666.77
4		4		4		4	4,306.55	4	4,116.05	4	3,925.54	4	3,717.97	4	3,364.94	4	3,012.18	4	2,659.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,302.59	1/4	4,112.08	1/4	3,921.57	1/4	3,710.66	1/4	3,357.59	1/4	3,004.83	1/4	2,652.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,298.62	1/2	4,108.11	1/2	3,917.60	1/2	3,703.35	1/2	3,350.24	1/2	2,997.48	1/2	2,644.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,294.66	3/4	4,104.14	3/4	3,913.63	3/4	3,695.99	3/4	3,342.89	3/4	2,990.13	3/4	2,637.38
5		5		5		5	4,290.69	5	4,100.17	5	3,909.66	5	3,688.63	5	3,335.54	5	2,982.78	5	2,630.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,286.72	1/4	4,096.21	1/4	3,905.69	1/4	3,681.27	1/4	3,328.19	1/4	2,975.43	1/4	2,622.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,282.75	1/2	4,092.24	1/2	3,901.72	1/2	3,673.91	1/2	3,320.84	1/2	2,968.08	1/2	2,615.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,278.78	3/4	4,088.27	3/4	3,897.76	3/4	3,666.55	3/4	3,313.49	3/4	2,960.74	3/4	2,607.98
6		6		6		6	4,274.81	6	4,084.30	6	3,893.79	6	3,659.19	6	3,306.14	6	2,953.39	6	2,600.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,270.84	1/4	4,080.33	1/4	3,889.82	1/4	3,651.83	1/4	3,298.79	1/4	2,946.04	1/4	2,593.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,266.87	1/2	4,076.36	1/2	3,885.85	1/2	3,644.47	1/2	3,291.44	1/2	2,938.69	1/2	2,585.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,262.90	3/4	4,072.39	3/4	3,881.88	3/4	3,637.12	3/4	3,284.10	3/4	2,931.34	3/4	2,578.57
7		7		7		7	4,258.93	7	4,068.42	7	3,877.91	7	3,629.76	7	3,276.75	7	2,923.99	7	2,571.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,254.97	1/4	4,064.45	1/4	3,873.94	1/4	3,622.40	1/4	3,269.40	1/4	2,916.64	1/4	2,563.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,251.00	1/2	4,060.48	1/2	3,869.97	1/2	3,615.04	1/2	3,262.05	1/2	2,909.29	1/2	2,556.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,247.03	3/4	4,056.52	3/4	3,866.00	3/4	3,607.68	3/4	3,254.70	3/4	2,901.94	3/4	2,549.14
8		8		8		8	4,243.06	8	4,052.55	8	3,862.03	8	3,600.32	8	3,247.35	8	2,894.59	8	2,541.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,239.09	1/4	4,048.58	1/4	3,858.07	1/4	3,592.96	1/4	3,240.00	1/4	2,887.24	1/4	2,534.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,235.12	1/2	4,044.61	1/2	3,854.10	1/2	3,585.60	1/2	3,232.65	1/2	2,879.90	1/2	2,527.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,231.15	3/4	4,040.64	3/4	3,850.13	3/4	3,578.24	3/4	3,225.30	3/4	2,872.55	3/4	2,519.70
9		9		9		9	4,227.18	9	4,036.67	9	3,846.16	9	3,570.88	9	3,217.95	9	2,865.20	9	2,512.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,223.21	1/4	4,032.70	1/4	3,842.19	1/4	3,563.52	1/4	3,210.60	1/4	2,857.85	1/4	2,504.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,219.24	1/2	4,028.73	1/2	3,838.22	1/2	3,556.16	1/2	3,203.26	1/2	2,850.50	1/2	2,497.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,215.28	3/4	4,024.76	3/4	3,834.25	3/4	3,548.80	3/4	3,195.91	3/4	2,843.15	3/4	2,490.27
10		10		10		10	4,211.31	10	4,020.79	10	3,830.28	10	3,541.44	10	3,188.56	10	2,835.80	10	2,482.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,207.34	1/4	4,016.83	1/4	3,826.31	1/4	3,534.08	1/4	3,181.21	1/4	2,828.45	1/4	2,475.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,203.37	1/2	4,012.86	1/2	3,822.34	1/2	3,526.72	1/2	3,173.86	1/2	2,821.10	1/2	2,468.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,199.40	3/4	4,008.89	3/4	3,818.38	3/4	3,519.36	3/4	3,166.51	3/4	2,813.75	3/4	2,460.83
11		11		11		11	4,195.43	11	4,004.92	11	3,814.41	11	3,512.00	11	3,159.16	11	2,806.40	11	2,453.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,191.46	1/4	4,000.95	1/4	3,810.44	1/4	3,504.64	1/4	3,151.81	1/4	2,799.06	1/4	2,446.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,187.49	1/2	3,996.98	1/2	3,806.47	1/2	3,497.28	1/2	3,144.46	1/2	2,791.71	1/2	2,438.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,183.52	3/4	3,993.01	3/4	3,802.50	3/4	3,489.92	3/4	3,137.11	3/4	2,784.36	3/4	2,431.39

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'-05" OFF CENTERLINE AND 47'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28600"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 5/8"

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	2,424.03	0	2,071.24	0	1,721.90	0	1,368.85	0	1,015.47	0	662.51	0	309.63	0		0		0	
1/4	2,416.67	1/4	2,063.90	1/4	1,714.60	1/4	1,361.49	1/4	1,008.11	1/4	655.18	1/4	302.27	1/4		1/4		1/4	
1/2	2,409.31	1/2	2,056.57	1/2	1,707.30	1/2	1,354.13	1/2	1,000.75	1/2	647.84	1/2	294.91	1/2		1/2		1/2	
3/4	2,401.95	3/4	2,049.22	3/4	1,699.96	3/4	1,346.76	3/4	993.39	3/4	640.51	3/4	287.55	3/4		3/4		3/4	
1	2,394.59	1	2,041.87	1	1,692.63	1	1,339.40	1	986.03	1	633.18	1	280.18	1		1		1	
1/4	2,387.23	1/4	2,034.52	1/4	1,685.30	1/4	1,332.04	1/4	978.66	1/4	625.85	1/4	272.82	1/4		1/4		1/4	
1/2	2,379.87	1/2	2,027.17	1/2	1,677.97	1/2	1,324.68	1/2	971.30	1/2	618.52	1/2	265.46	1/2		1/2		1/2	
3/4	2,372.51	3/4	2,019.81	3/4	1,670.62	3/4	1,317.32	3/4	963.94	3/4	611.19	3/4	258.33	3/4		3/4		3/4	
2	2,365.15	2	2,012.45	2	1,663.28	2	1,309.95	2	956.58	2	603.85	2	251.20	2		2		2	
1/4	2,357.79	1/4	2,005.09	1/4	1,655.94	1/4	1,302.59	1/4	949.21	1/4	596.52	1/4	244.08	1/4		1/4		1/4	
1/2	2,350.43	1/2	1,997.73	1/2	1,648.59	1/2	1,295.23	1/2	941.85	1/2	589.19	1/2	236.95	1/2		1/2		1/2	
3/4	2,343.07	3/4	1,990.37	3/4	1,641.23	3/4	1,287.87	3/4	934.49	3/4	581.86	3/4	229.89	3/4		3/4		3/4	
3	2,335.71	3	1,983.01	3	1,633.88	3	1,280.51	3	927.13	3	574.53	3	222.83	3		3		3	
1/4	2,328.35	1/4	1,975.65	1/4	1,626.52	1/4	1,273.14	1/4	919.76	1/4	567.19	1/4	215.77	1/4		1/4		1/4	
1/2	2,320.99	1/2	1,968.29	1/2	1,619.16	1/2	1,265.78	1/2	912.40	1/2	559.86	1/2	208.71	1/2		1/2		1/2	
3/4	2,313.63	3/4	1,960.93	3/4	1,611.80	3/4	1,258.42	3/4	905.04	3/4	552.52	3/4	201.65	3/4		3/4		3/4	
4	2,306.27	4	1,953.57	4	1,604.43	4	1,251.06	4	897.68	4	545.17	4	194.59	4		4		4	
1/4	2,298.91	1/4	1,946.21	1/4	1,597.07	1/4	1,243.70	1/4	890.32	1/4	537.83	1/4	187.54	1/4		1/4		1/4	
1/2	2,291.55	1/2	1,938.84	1/2	1,589.71	1/2	1,236.33	1/2	882.95	1/2	530.48	1/2	180.48	1/2		1/2		1/2	
3/4	2,284.19	3/4	1,931.48	3/4	1,582.35	3/4	1,228.97	3/4	875.59	3/4	523.12	3/4	173.43	3/4		3/4		3/4	
5	2,276.83	5	1,924.12	5	1,574.99	5	1,221.61	5	868.23	5	515.76	5	166.37	5		5		5	
1/4	2,269.47	1/4	1,916.76	1/4	1,567.62	1/4	1,214.25	1/4	860.87	1/4	508.40	1/4	159.31	1/4		1/4		1/4	
1/2	2,262.11	1/2	1,909.40	1/2	1,560.26	1/2	1,206.89	1/2	853.50	1/2	501.04	1/2	152.26	1/2		1/2		1/2	
3/4	2,254.75	3/4	1,902.16	3/4	1,552.90	3/4	1,199.52	3/4	846.14	3/4	493.68	3/4	145.20	3/4		3/4		3/4	
6	2,247.39	6	1,894.91	6	1,545.54	6	1,192.16	6	838.78	6	486.32	6	138.15	6		6		6	
1/4	2,240.03	1/4	1,887.66	1/4	1,538.18	1/4	1,184.80	1/4	831.42	1/4	478.96	1/4	131.09	1/4		1/4		1/4	
1/2	2,232.67	1/2	1,880.42	1/2	1,530.81	1/2	1,177.44	1/2	824.05	1/2	471.60	1/2	124.03	1/2		1/2		1/2	
3/4	2,225.33	3/4	1,873.20	3/4	1,523.45	3/4	1,170.08	3/4	816.69	3/4	464.24	3/4	116.98	3/4		3/4		3/4	
7	2,217.98	7	1,865.99	7	1,516.09	7	1,162.71	7	809.33	7	456.87	7	109.92	7		7		7	
1/4	2,210.63	1/4	1,858.78	1/4	1,508.73	1/4	1,155.35	1/4	801.97	1/4	449.51	1/4	102.87	1/4		1/4		1/4	
1/2	2,203.29	1/2	1,851.56	1/2	1,501.37	1/2	1,147.99	1/2	794.61	1/2	442.15	1/2	95.81	1/2		1/2		1/2	
3/4	2,195.95	3/4	1,844.36	3/4	1,494.00	3/4	1,140.63	3/4	787.25	3/4	434.79	3/4	88.52	3/4		3/4		3/4	
8	2,188.61	8	1,837.16	8	1,486.64	8	1,133.27	8	779.90	8	427.43	8	81.23	8		8		8	
1/4	2,181.28	1/4	1,829.96	1/4	1,479.28	1/4	1,125.90	1/4	772.55	1/4	420.06	1/4	73.94	1/4		1/4		1/4	
1/2	2,173.94	1/2	1,822.75	1/2	1,471.92	1/2	1,118.54	1/2	765.19	1/2	412.70	1/2	66.65	1/2		1/2		1/2	
3/4	2,166.60	3/4	1,815.56	3/4	1,464.56	3/4	1,111.18	3/4	757.85	3/4	405.34	3/4	60.00	3/4		3/4		3/4	
9	2,159.27	9	1,808.37	9	1,457.19	9	1,103.82	9	750.51	9	397.98	9	53.34	9		9		9	
1/4	2,151.93	1/4	1,801.18	1/4	1,449.83	1/4	1,096.46	1/4	743.17	1/4	390.61	1/4	46.69	1/4		1/4		1/4	
1/2	2,144.59	1/2	1,793.99	1/2	1,442.47	1/2	1,089.09	1/2	735.83	1/2	383.25	1/2	40.04	1/2		1/2		1/2	
3/4	2,137.26	3/4	1,786.81	3/4	1,435.11	3/4	1,081.73	3/4	728.50	3/4	375.89	3/4	34.99	3/4		3/4		3/4	
10	2,129.92	10	1,779.62	10	1,427.75	10	1,074.37	10	721.17	10	368.53	10	29.95	10		10		10	
1/4	2,122.59	1/4	1,772.43	1/4	1,420.38	1/4	1,067.01	1/4	713.83	1/4	361.17	1/4	24.90	1/4		1/4		1/4	
1/2	2,115.25	1/2	1,765.24	1/2	1,413.02	1/2	1,059.65	1/2	706.50	1/2	353.80	1/2	19.85	1/2		1/2		1/2	
3/4	2,107.92	3/4	1,758.06	3/4	1,405.66	3/4	1,052.28	3/4	699.17	3/4	346.44	3/4	17.44	3/4		3/4		3/4	
11	2,100.58	11	1,750.87	11	1,398.30	11	1,044.92	11	691.84	11	339.08	11		11		11		11	
1/4	2,093.24	1/4	1,743.68	1/4	1,390.94	1/4	1,037.56	1/4	684.50	1/4	331.72	1/4		1/4		1/4		1/4	
1/2	2,085.91	1/2	1,736.49	1/2	1,383.57	1/2	1,030.20	1/2	677.17	1/2	324.36	1/2		1/2		1/2		1/2	
3/4	2,078.57	3/4	1,729.19	3/4	1,376.21	3/4	1,022.84	3/4	669.84	3/4	316.99	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2005 CL - SW
CALCULATED: 04/26/2005 CL
PRINTED: 04/26/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2005

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



BARGE "KIRBY 28600"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 7/8"

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	2,413.24	0	2,060.44	0	1,713.27	0	1,361.02	0	1,008.52	0	662.33	0	317.07	0		0		0	
1/4	2,405.89	1/4	2,053.08	1/4	1,706.01	1/4	1,353.67	1/4	1,001.19	1/4	655.29	1/4	309.71	1/4		1/4		1/4	
1/2	2,398.54	1/2	2,045.73	1/2	1,698.75	1/2	1,346.32	1/2	993.85	1/2	648.25	1/2	302.34	1/2		1/2		1/2	
3/4	2,391.19	3/4	2,038.38	3/4	1,691.49	3/4	1,338.97	3/4	986.51	3/4	641.21	3/4	294.98	3/4		3/4		3/4	
1	2,383.84	1	2,031.03	1	1,684.20	1	1,331.62	1	979.17	1	634.17	1	287.62	1		1		1	
1/4	2,376.49	1/4	2,023.68	1/4	1,676.91	1/4	1,324.27	1/4	971.83	1/4	627.12	1/4	280.25	1/4		1/4		1/4	
1/2	2,369.14	1/2	2,016.33	1/2	1,669.62	1/2	1,316.92	1/2	964.49	1/2	620.08	1/2	272.89	1/2		1/2		1/2	
3/4	2,361.79	3/4	2,008.98	3/4	1,662.32	3/4	1,309.57	3/4	957.16	3/4	613.04	3/4	265.52	3/4		3/4		3/4	
2	2,354.44	2	2,001.68	2	1,654.99	2	1,302.22	2	949.82	2	606.00	2	258.39	2		2		2	
1/4	2,347.09	1/4	1,994.37	1/4	1,647.66	1/4	1,294.87	1/4	942.48	1/4	598.96	1/4	251.27	1/4		1/4		1/4	
1/2	2,339.74	1/2	1,987.06	1/2	1,640.32	1/2	1,287.52	1/2	935.14	1/2	591.92	1/2	244.14	1/2		1/2		1/2	
3/4	2,332.39	3/4	1,979.75	3/4	1,632.99	3/4	1,280.17	3/4	927.80	3/4	584.88	3/4	237.01	3/4		3/4		3/4	
3	2,325.04	3	1,972.45	3	1,625.64	3	1,272.81	3	920.46	3	577.84	3	229.94	3		3		3	
1/4	2,317.69	1/4	1,965.16	1/4	1,618.29	1/4	1,265.46	1/4	913.12	1/4	570.80	1/4	222.88	1/4		1/4		1/4	
1/2	2,310.34	1/2	1,957.86	1/2	1,610.94	1/2	1,258.11	1/2	905.77	1/2	563.76	1/2	215.82	1/2		1/2		1/2	
3/4	2,302.99	3/4	1,950.56	3/4	1,603.59	3/4	1,250.76	3/4	898.43	3/4	556.72	3/4	208.76	3/4		3/4		3/4	
4	2,295.64	4	1,943.27	4	1,596.24	4	1,243.41	4	891.08	4	549.67	4	201.70	4		4		4	
1/4	2,288.29	1/4	1,935.97	1/4	1,588.89	1/4	1,236.06	1/4	883.73	1/4	542.61	1/4	194.64	1/4		1/4		1/4	
1/2	2,280.94	1/2	1,928.67	1/2	1,581.54	1/2	1,228.71	1/2	876.37	1/2	535.56	1/2	187.58	1/2		1/2		1/2	
3/4	2,273.59	3/4	1,921.38	3/4	1,574.19	3/4	1,221.36	3/4	869.02	3/4	528.50	3/4	180.52	3/4		3/4		3/4	
5	2,266.24	5	1,914.08	5	1,566.84	5	1,214.01	5	861.67	5	521.43	5	173.47	5		5		5	
1/4	2,258.89	1/4	1,906.79	1/4	1,559.49	1/4	1,206.67	1/4	854.32	1/4	514.36	1/4	166.41	1/4		1/4		1/4	
1/2	2,251.54	1/2	1,899.49	1/2	1,552.14	1/2	1,199.32	1/2	846.97	1/2	507.29	1/2	159.35	1/2		1/2		1/2	
3/4	2,244.19	3/4	1,892.19	3/4	1,544.79	3/4	1,191.98	3/4	839.61	3/4	500.22	3/4	152.29	3/4		3/4		3/4	
6	2,236.84	6	1,885.01	6	1,537.44	6	1,184.64	6	832.36	6	493.04	6	145.24	6		6		6	
1/4	2,229.49	1/4	1,877.83	1/4	1,530.09	1/4	1,177.30	1/4	825.12	1/4	485.85	1/4	138.18	1/4		1/4		1/4	
1/2	2,222.14	1/2	1,870.65	1/2	1,522.74	1/2	1,169.96	1/2	817.87	1/2	478.67	1/2	131.12	1/2		1/2		1/2	
3/4	2,214.79	3/4	1,863.47	3/4	1,515.38	3/4	1,162.62	3/4	810.62	3/4	471.49	3/4	124.06	3/4		3/4		3/4	
7	2,207.44	7	1,856.32	7	1,508.03	7	1,155.28	7	803.51	7	464.17	7	117.00	7		7		7	
1/4	2,200.09	1/4	1,849.17	1/4	1,500.68	1/4	1,147.94	1/4	796.40	1/4	456.85	1/4	109.95	1/4		1/4		1/4	
1/2	2,192.74	1/2	1,842.02	1/2	1,493.33	1/2	1,140.61	1/2	789.29	1/2	449.54	1/2	102.89	1/2		1/2		1/2	
3/4	2,185.39	3/4	1,834.87	3/4	1,485.98	3/4	1,133.27	3/4	782.18	3/4	442.22	3/4	95.83	3/4		3/4		3/4	
8	2,178.04	8	1,827.73	8	1,478.63	8	1,125.93	8	775.11	8	434.86	8	88.54	8		8		8	
1/4	2,170.69	1/4	1,820.58	1/4	1,471.28	1/4	1,118.59	1/4	768.05	1/4	427.51	1/4	81.25	1/4		1/4		1/4	
1/2	2,163.34	1/2	1,813.43	1/2	1,463.93	1/2	1,111.25	1/2	760.98	1/2	420.15	1/2	73.95	1/2		1/2		1/2	
3/4	2,155.99	3/4	1,806.29	3/4	1,456.58	3/4	1,103.92	3/4	753.92	3/4	412.80	3/4	66.66	3/4		3/4		3/4	
9	2,148.64	9	1,799.14	9	1,449.23	9	1,096.58	9	746.87	9	405.44	9	60.01	9		9		9	
1/4	2,141.29	1/4	1,791.99	1/4	1,441.88	1/4	1,089.24	1/4	739.81	1/4	398.07	1/4	53.35	1/4		1/4		1/4	
1/2	2,133.94	1/2	1,784.85	1/2	1,434.53	1/2	1,081.90	1/2	732.76	1/2	390.71	1/2	46.70	1/2		1/2		1/2	
3/4	2,126.59	3/4	1,777.70	3/4	1,427.18	3/4	1,074.56	3/4	725.71	3/4	383.35	3/4	40.04	3/4		3/4		3/4	
10	2,119.24	10	1,770.55	10	1,419.83	10	1,067.23	10	718.67	10	375.98	10	35.00	10		10		10	
1/4	2,111.89	1/4	1,763.41	1/4	1,412.48	1/4	1,059.89	1/4	711.63	1/4	368.62	1/4	29.95	1/4		1/4		1/4	
1/2	2,104.54	1/2	1,756.26	1/2	1,405.13	1/2	1,052.55	1/2	704.58	1/2	361.26	1/2	24.90	1/2		1/2		1/2	
3/4	2,097.19	3/4	1,749.11	3/4	1,397.77	3/4	1,045.21	3/4	697.54	3/4	353.89	3/4	19.85	3/4		3/4		3/4	
11	2,089.84	11	1,741.97	11	1,390.42	11	1,037.87	11	690.50	11	346.53	10 7/8	17.44	11		11		11	
1/4	2,082.49	1/4	1,734.82	1/4	1,383.07	1/4	1,030.54	1/4	683.46	1/4	339.16	1/4		1/4		1/4		1/4	
1/2	2,075.14	1/2	1,727.67	1/2	1,375.72	1/2	1,023.20	1/2	676.42	1/2	331.80	1/2		1/2		1/2		1/2	
3/4	2,067.79	3/4	1,720.53	3/4	1,368.37	3/4	1,015.86	3/4	669.37	3/4	324.44	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2005 CL - SW
CALCULATED: 04/26/2005 CL
PRINTED: 04/26/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2005

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



BARGE "KIRBY 28600"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,148	0	2,296	0	3,444	0	4,592	0		0		0		0		0	
1/4	24	1/4	1,172	1/4	2,320	1/4	3,468	1/4	4,616	1/4		1/4		1/4		1/4		1/4	
1/2	48	1/2	1,196	1/2	2,344	1/2	3,492	1/2	4,640	1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	1,220	3/4	2,368	3/4	3,516	3/4	4,664	3/4		3/4		3/4		3/4		3/4	
1	96	1	1,244	1	2,392	1	3,540	1	4,688	1		1		1		1		1	
1/4	120	1/4	1,268	1/4	2,416	1/4	3,564	1/4	4,712	1/4		1/4		1/4		1/4		1/4	
1/2	144	1/2	1,292	1/2	2,440	1/2	3,588	1/2	4,736	1/2		1/2		1/2		1/2		1/2	
3/4	167	3/4	1,316	3/4	2,464	3/4	3,612	3/4	4,760	3/4		3/4		3/4		3/4		3/4	
2	191	2	1,339	2	2,487	2	3,636	2	4,784	2		2		2		2		2	
1/4	215	1/4	1,363	1/4	2,511	1/4	3,659	1/4	4,807	1/4		1/4		1/4		1/4		1/4	
1/2	239	1/2	1,387	1/2	2,535	1/2	3,683	1/2	4,831	1/2		1/2		1/2		1/2		1/2	
3/4	263	3/4	1,411	3/4	2,559	3/4	3,707	3/4	4,855	3/4		3/4		3/4		3/4		3/4	
3	287	3	1,435	3	2,583	3	3,731	3	4,879	3		3		3		3		3	
1/4	311	1/4	1,459	1/4	2,607	1/4	3,755	1/4	4,903	1/4		1/4		1/4		1/4		1/4	
1/2	335	1/2	1,483	1/2	2,631	1/2	3,779	1/2	4,927	1/2		1/2		1/2		1/2		1/2	
3/4	359	3/4	1,507	3/4	2,655	3/4	3,803	3/4	4,951	3/4		3/4		3/4		3/4		3/4	
4	383	4	1,531	4	2,679	4	3,827	4	4,975	4		4		4		4		4	
1/4	407	1/4	1,555	1/4	2,703	1/4	3,851	1/4	4,999	1/4		1/4		1/4		1/4		1/4	
1/2	431	1/2	1,579	1/2	2,727	1/2	3,875	1/2	5,023	1/2		1/2		1/2		1/2		1/2	
3/4	455	3/4	1,603	3/4	2,751	3/4	3,899	3/4	5,047	3/4		3/4		3/4		3/4		3/4	
5	478	5	1,626	5	2,774	5	3,923	5	5,071	5		5		5		5		5	
1/4	502	1/4	1,650	1/4	2,798	1/4	3,946	1/4	5,094	1/4		1/4		1/4		1/4		1/4	
1/2	526	1/2	1,674	1/2	2,822	1/2	3,970	1/2	5,118	1/2		1/2		1/2		1/2		1/2	
3/4	550	3/4	1,698	3/4	2,846	3/4	3,994	3/4	5,142	3/4		3/4		3/4		3/4		3/4	
6	574	6	1,722	6	2,870	6	4,018	6	5,166	6		6		6		6		6	
1/4	598	1/4	1,746	1/4	2,894	1/4	4,042	1/4	5,190	1/4		1/4		1/4		1/4		1/4	
1/2	622	1/2	1,770	1/2	2,918	1/2	4,066	1/2	5,214	1/2		1/2		1/2		1/2		1/2	
3/4	646	3/4	1,794	3/4	2,942	3/4	4,090	3/4	5,238	3/4		3/4		3/4		3/4		3/4	
7	670	7	1,818	7	2,966	7	4,114	7	5,262	7		7		7		7		7	
1/4	694	1/4	1,842	1/4	2,990	1/4	4,138	1/4	5,286	1/4		1/4		1/4		1/4		1/4	
1/2	718	1/2	1,866	1/2	3,014	1/2	4,162	1/2	5,310	1/2		1/2		1/2		1/2		1/2	
3/4	742	3/4	1,890	3/4	3,038	3/4	4,186	3/4	5,334	3/4		3/4		3/4		3/4		3/4	
8	765	8	1,913	8	3,061	8	4,210	8	5,358	8		8		8		8		8	
1/4	789	1/4	1,937	1/4	3,085	1/4	4,233	1/4	5,381	1/4		1/4		1/4		1/4		1/4	
1/2	813	1/2	1,961	1/2	3,109	1/2	4,257	1/2	5,405	1/2		1/2		1/2		1/2		1/2	
3/4	837	3/4	1,985	3/4	3,133	3/4	4,281	3/4	5,429	3/4		3/4		3/4		3/4		3/4	
9	861	9	2,009	9	3,157	9	4,305	9	5,453	9		9		9		9		9	
1/4	885	1/4	2,033	1/4	3,181	1/4	4,329	1/4	5,477	1/4		1/4		1/4		1/4		1/4	
1/2	909	1/2	2,057	1/2	3,205	1/2	4,353	1/2	5,501	1/2		1/2		1/2		1/2		1/2	
3/4	933	3/4	2,081	3/4	3,229	3/4	4,377	3/4	5,525	3/4		3/4		3/4		3/4		3/4	
10	957	10	2,105	10	3,253	10	4,401	10	5,549	10		10		10		10		10	
1/4	981	1/4	2,129	1/4	3,277	1/4	4,425	1/4	5,573	1/4		1/4		1/4		1/4		1/4	
1/2	1,005	1/2	2,153	1/2	3,301	1/2	4,449	1/2	5,597	1/2		1/2		1/2		1/2		1/2	
3/4	1,029	3/4	2,177	3/4	3,325	3/4	4,473	3/4	5,621	3/4		3/4		3/4		3/4		3/4	
11	1,052	11	2,200	11	3,349	11	4,497	11	5,645	11		11		11		11		11	
1/4	1,076	1/4	2,224	1/4	3,372	1/4	4,520	1/4	5,668	1/4		1/4		1/4		1/4		1/4	
1/2	1,100	1/2	2,248	1/2	3,396	1/2	4,544	1/2	5,692	1/2		1/2		1/2		1/2		1/2	
3/4	1,124	3/4	2,272	3/4	3,420	3/4	4,568	3/4	5,716	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK

STRAPPED: 10/07/2020 SW
CALCULATED: 10/08/2020 CL
PRINTED: 10/08/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2020

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