



BARGE "KIRBY 28084"

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	01-7/8	- 01-7/8	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	00-1/2	- 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
3 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

(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"

September 16, 2006

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28084"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08"

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	4,522.51	0	4,190.63	0	3,834.87	0	3,468.70	0	3,102.52	0	2,736.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,515.83	1/4	4,183.42	1/4	3,827.25	1/4	3,461.07	1/4	3,094.89	1/4	2,728.71		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,834.45	1/2	4,509.14	1/2	4,176.21	1/2	3,819.62	1/2	3,453.45	1/2	3,087.26	1/2	2,721.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,828.81	3/4	4,502.45	3/4	4,168.99	3/4	3,812.00	3/4	3,445.82	3/4	3,079.63	3/4	2,713.45
1		1		1		1		1	4,823.17	1	4,495.77	1	4,161.78	1	3,804.37	1	3,438.19	1	3,072.01	1	2,705.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,816.35	1/4	4,489.05	1/4	4,154.53	1/4	3,796.74	1/4	3,430.56	1/4	3,064.38	1/4	2,698.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,809.52	1/2	4,482.33	1/2	4,147.28	1/2	3,789.11	1/2	3,422.93	1/2	3,056.75	1/2	2,690.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,802.69	3/4	4,475.61	3/4	4,140.03	3/4	3,781.48	3/4	3,415.30	3/4	3,049.12	3/4	2,682.94
2		2		2		2		2	4,795.86	2	4,468.89	2	4,132.78	2	3,773.86	2	3,407.67	2	3,041.49	2	2,675.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,788.40	1/4	4,462.13	1/4	4,125.49	1/4	3,766.23	1/4	3,400.04	1/4	3,033.86	1/4	2,667.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,780.93	1/2	4,455.38	1/2	4,118.21	1/2	3,758.60	1/2	3,392.42	1/2	3,026.23	1/2	2,660.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,773.47	3/4	4,448.63	3/4	4,110.92	3/4	3,750.97	3/4	3,384.79	3/4	3,018.60	3/4	2,652.42
3		3		3		3		3	4,766.00	3	4,441.87	3	4,103.63	3	3,743.34	3	3,377.16	3	3,010.98	3	2,644.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,758.46	1/4	4,435.08	1/4	4,096.31	1/4	3,735.71	1/4	3,369.53	1/4	3,003.35	1/4	2,637.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,750.91	1/2	4,428.29	1/2	4,088.99	1/2	3,728.08	1/2	3,361.90	1/2	2,995.72	1/2	2,629.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,743.37	3/4	4,421.50	3/4	4,081.66	3/4	3,720.45	3/4	3,354.27	3/4	2,988.09	3/4	2,621.91
4		4		4		4		4	4,735.83	4	4,414.70	4	4,074.34	4	3,712.83	4	3,346.64	4	2,980.46	4	2,614.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,728.56	1/4	4,407.88	1/4	4,066.99	1/4	3,705.20	1/4	3,339.01	1/4	2,972.83	1/4	2,606.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,721.30	1/2	4,401.05	1/2	4,059.63	1/2	3,697.57	1/2	3,331.39	1/2	2,965.20	1/2	2,599.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,714.03	3/4	4,394.22	3/4	4,052.28	3/4	3,689.94	3/4	3,323.76	3/4	2,957.57	3/4	2,591.39
5		5		5		5		5	4,706.77	5	4,387.39	5	4,044.92	5	3,682.31	5	3,316.13	5	2,949.95	5	2,583.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,700.05	1/4	4,380.52	1/4	4,037.53	1/4	3,674.68	1/4	3,308.50	1/4	2,942.32	1/4	2,576.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,693.33	1/2	4,373.65	1/2	4,030.14	1/2	3,667.05	1/2	3,300.87	1/2	2,934.69	1/2	2,568.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,686.62	3/4	4,366.79	3/4	4,022.75	3/4	3,659.42	3/4	3,293.24	3/4	2,927.06	3/4	2,560.88
6		6		6		6		6	4,679.90	6	4,359.92	6	4,015.36	6	3,651.79	6	3,285.61	6	2,919.43	6	2,553.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,673.44	1/4	4,353.02	1/4	4,007.93	1/4	3,644.17	1/4	3,277.98	1/4	2,911.80	1/4	2,545.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,666.97	1/2	4,346.11	1/2	4,000.50	1/2	3,636.54	1/2	3,270.35	1/2	2,904.17	1/2	2,537.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,660.51	3/4	4,339.21	3/4	3,993.08	3/4	3,628.91	3/4	3,262.73	3/4	2,896.54	3/4	2,530.36
7		7		7		7		7	4,654.05	7	4,332.31	7	3,985.65	7	3,621.28	7	3,255.10	7	2,888.91	7	2,522.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,647.54	1/4	4,325.34	1/4	3,978.18	1/4	3,613.65	1/4	3,247.47	1/4	2,881.29	1/4	2,515.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,641.04	1/2	4,318.38	1/2	3,970.72	1/2	3,606.02	1/2	3,239.84	1/2	2,873.66	1/2	2,507.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,634.54	3/4	4,311.42	3/4	3,963.25	3/4	3,598.39	3/4	3,232.21	3/4	2,866.03	3/4	2,499.85
8		8		8		8		8	4,628.04	8	4,304.46	8	3,955.79	8	3,590.76	8	3,224.58	8	2,858.40	8	2,492.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,621.50	1/4	4,297.41	1/4	3,948.28	1/4	3,583.14	1/4	3,216.95	1/4	2,850.77	1/4	2,484.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,614.96	1/2	4,290.37	1/2	3,940.78	1/2	3,575.51	1/2	3,209.32	1/2	2,843.14	1/2	2,476.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,608.42	3/4	4,283.33	3/4	3,933.28	3/4	3,567.88	3/4	3,201.70	3/4	2,835.51	3/4	2,469.33
9		9		9		9		9	4,601.88	9	4,276.29	9	3,925.78	9	3,560.25	9	3,194.07	9	2,827.88	9	2,461.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,595.30	1/4	4,269.19	1/4	3,918.24	1/4	3,552.62	1/4	3,186.44	1/4	2,820.26	1/4	2,454.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,588.73	1/2	4,262.09	1/2	3,910.70	1/2	3,544.99	1/2	3,178.81	1/2	2,812.63	1/2	2,446.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,582.15	3/4	4,254.99	3/4	3,903.16	3/4	3,537.36	3/4	3,171.18	3/4	2,805.00	3/4	2,438.82
10		10		10		10		10	4,575.57	10	4,247.89	10	3,895.62	10	3,529.73	10	3,163.55	10	2,797.37	10	2,431.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,568.96	1/4	4,240.75	1/4	3,888.04	1/4	3,522.11	1/4	3,155.92	1/4	2,789.74	1/4	2,423.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,562.35	1/2	4,233.61	1/2	3,880.46	1/2	3,514.48	1/2	3,148.29	1/2	2,782.11	1/2	2,415.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,555.73	3/4	4,226.47	3/4	3,872.88	3/4	3,506.85	3/4	3,140.67	3/4	2,774.48	3/4	2,408.30
11		11		11		11		11	4,549.12	11	4,219.33	11	3,865.31	11	3,499.22	11	3,133.04	11	2,766.85	11	2,400.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,542.47	1/4	4,212.16	1/4	3,857.70	1/4	3,491.59	1/4	3,125.41	1/4	2,759.23	1/4	2,393.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,535.81	1/2	4,204.98	1/2	3,850.09	1/2	3,483.96	1/2	3,117.78	1/2	2,751.60	1/2	2,385.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,529.16	3/4	4,197.81	3/4	3,842.48	3/4	3,476.33	3/4	3,110.15	3/4	2,743.97	3/4	2,377.79

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'-09" 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 28084"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08"

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	2,370.16	0	2,003.97	0	1,637.78	0	1,272.24	0	908.10	0	542.33	0	194.85	0		0		0	
1/4	2,362.53	1/4	1,996.35	1/4	1,630.15	1/4	1,264.61	1/4	900.53	1/4	534.70	1/4	188.15	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,354.90	1/2	1,988.72	1/2	1,622.52	1/2	1,256.98	1/2	892.95	1/2	527.07	1/2	181.46	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,347.27	3/4	1,981.09	3/4	1,614.90	3/4	1,249.35	3/4	885.38	3/4	519.44	3/4	174.76	3/4	3/4	3/4	3/4	3/4	3/4
1	2,339.64	1	1,973.46	1	1,607.27	1	1,241.72	1	877.81	1	511.81	1	168.06	1		1		1	
1/4	2,332.01	1/4	1,965.83	1/4	1,599.64	1/4	1,234.09	1/4	870.22	1/4	504.21	1/4	161.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,324.38	1/2	1,958.20	1/2	1,592.01	1/2	1,226.46	1/2	862.63	1/2	496.60	1/2	154.84	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,316.75	3/4	1,950.58	3/4	1,584.38	3/4	1,218.83	3/4	855.04	3/4	488.99	3/4	148.24	3/4	3/4	3/4	3/4	3/4	3/4
2	2,309.13	2	1,942.95	2	1,576.75	2	1,211.20	2	847.45	2	481.38	2	141.63	2		2		2	
1/4	2,301.50	1/4	1,935.32	1/4	1,569.12	1/4	1,203.59	1/4	839.84	1/4	473.84	1/4	135.11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,293.87	1/2	1,927.69	1/2	1,561.49	1/2	1,195.97	1/2	832.23	1/2	466.29	1/2	128.59	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,286.24	3/4	1,920.06	3/4	1,553.86	3/4	1,188.36	3/4	824.61	3/4	458.75	3/4	122.07	3/4	3/4	3/4	3/4	3/4	3/4
3	2,278.61	3	1,912.43	3	1,546.23	3	1,180.74	3	817.00	3	451.20	3	115.56	3		3		3	
1/4	2,270.98	1/4	1,904.80	1/4	1,538.60	1/4	1,173.15	1/4	809.37	1/4	443.74	1/4	109.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,263.35	1/2	1,897.17	1/2	1,530.98	1/2	1,165.57	1/2	801.74	1/2	436.28	1/2	102.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,255.72	3/4	1,889.54	3/4	1,523.35	3/4	1,157.98	3/4	794.11	3/4	428.82	3/4	96.29	3/4	3/4	3/4	3/4	3/4	3/4
4	2,248.10	4	1,881.91	4	1,515.72	4	1,150.39	4	786.48	4	421.36	4	89.87	4		4		4	
1/4	2,240.47	1/4	1,874.28	1/4	1,508.09	1/4	1,142.82	1/4	778.85	1/4	413.98	1/4	83.56	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,232.84	1/2	1,866.66	1/2	1,500.46	1/2	1,135.24	1/2	771.22	1/2	406.61	1/2	77.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,225.21	3/4	1,859.03	3/4	1,492.83	3/4	1,127.67	3/4	763.59	3/4	399.23	3/4	70.93	3/4	3/4	3/4	3/4	3/4	3/4
5	2,217.58	5	1,851.40	5	1,485.20	5	1,120.10	5	755.96	5	391.86	5	64.61	5		5		5	
1/4	2,209.95	1/4	1,843.77	1/4	1,477.59	1/4	1,112.53	1/4	748.33	1/4	384.57	1/4	58.41	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,202.32	1/2	1,836.14	1/2	1,469.97	1/2	1,104.96	1/2	740.70	1/2	377.28	1/2	52.22	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,194.69	3/4	1,828.51	3/4	1,462.35	3/4	1,097.38	3/4	733.07	3/4	369.99	3/4	46.02	3/4	3/4	3/4	3/4	3/4	3/4
6	2,187.07	6	1,820.88	6	1,454.74	6	1,089.81	6	725.44	6	362.70	6	39.82	6		6		6	
1/4	2,179.44	1/4	1,813.25	1/4	1,447.14	1/4	1,082.24	1/4	717.81	1/4	355.49	1/4	34.32	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,171.81	1/2	1,805.62	1/2	1,439.54	1/2	1,074.67	1/2	710.18	1/2	348.28	1/2	28.82	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,164.18	3/4	1,797.99	3/4	1,431.94	3/4	1,067.10	3/4	702.56	3/4	341.08	3/4	23.32	3/4	3/4	3/4	3/4	3/4	3/4
7	2,156.55	7	1,790.36	7	1,424.33	7	1,059.53	7	694.93	7	333.87	7	17.82	7		7		7	
1/4	2,148.92	1/4	1,782.74	1/4	1,416.73	1/4	1,051.96	1/4	687.30	1/4	326.75	1/4	14.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,141.29	1/2	1,775.11	1/2	1,409.13	1/2	1,044.38	1/2	679.67	1/2	319.63	1/2	10.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,133.66	3/4	1,767.48	3/4	1,401.53	3/4	1,036.81	3/4	672.04	3/4	312.51	3/4	7.14	3/4	3/4	3/4	3/4	3/4	3/4
8	2,126.03	8	1,759.85	8	1,393.93	8	1,029.24	8	664.41	8	305.39	8	3.59	8		8		8	
1/4	2,118.41	1/4	1,752.22	1/4	1,386.33	1/4	1,021.67	1/4	656.78	1/4	298.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,110.78	1/2	1,744.59	1/2	1,378.72	1/2	1,014.10	1/2	649.15	1/2	291.32	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,103.15	3/4	1,736.96	3/4	1,371.12	3/4	1,006.53	3/4	641.52	3/4	284.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,095.52	9	1,729.33	9	1,363.52	9	998.96	9	633.89	9	277.25	9		9		9		9	
1/4	2,087.89	1/4	1,721.70	1/4	1,355.92	1/4	991.38	1/4	626.26	1/4	270.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,080.26	1/2	1,714.07	1/2	1,348.32	1/2	983.81	1/2	618.63	1/2	263.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,072.63	3/4	1,706.44	3/4	1,340.71	3/4	976.24	3/4	611.00	3/4	256.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,065.00	10	1,698.82	10	1,333.11	10	968.67	10	968.67	10	249.44	10		10		10		10	
1/4	2,057.38	1/4	1,691.19	1/4	1,325.51	1/4	961.10	1/4	955.74	1/4	242.57	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,049.75	1/2	1,683.56	1/2	1,317.91	1/2	953.53	1/2	948.11	1/2	235.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,042.12	3/4	1,675.93	3/4	1,310.31	3/4	945.96	3/4	940.48	3/4	228.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,034.49	11	1,668.30	11	1,302.70	11	938.38	11	932.85	11	221.97	11		11		11		11	
1/4	2,026.86	1/4	1,660.67	1/4	1,295.09	1/4	930.81	1/4	925.22	1/4	215.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,019.23	1/2	1,653.04	1/2	1,287.47	1/2	923.24	1/2	917.59	1/2	208.41	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,011.60	3/4	1,645.41	3/4	1,279.86	3/4	915.67	3/4	909.96	3/4	201.63	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/14/2006 CL - SW
CALCULATED: 09/15/2006 CL
PRINTED: 09/16/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2006

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



BARGE "KIRBY 28084"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	4,824.55	0	4,497.15	0	4,163.17	0	3,805.76	0	3,439.57	0	3,073.39	0	2,707.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,817.72	1/4	4,490.43	1/4	4,155.92	1/4	3,798.13	1/4	3,431.95	1/4	3,065.76	1/4	2,699.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,810.89	1/2	4,483.71	1/2	4,148.67	1/2	3,790.50	1/2	3,424.32	1/2	3,058.13	1/2	2,691.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,804.06	3/4	4,476.99	3/4	4,141.42	3/4	3,782.87	3/4	3,416.69	3/4	3,050.51	3/4	2,684.32
1	1	1	1	1	1	1	4,797.24	1	4,470.27	1	4,134.17	1	3,775.24	1	3,409.06	1	3,042.88	1	2,676.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,789.77	1/4	4,463.52	1/4	4,126.88	1/4	3,767.61	1/4	3,401.43	1/4	3,035.25	1/4	2,669.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,782.31	1/2	4,456.76	1/2	4,119.59	1/2	3,759.98	1/2	3,393.80	1/2	3,027.62	1/2	2,661.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,774.84	3/4	4,450.01	3/4	4,112.31	3/4	3,752.36	3/4	3,386.17	3/4	3,019.99	3/4	2,653.81
2	2	2	2	2	2	2	4,767.38	2	4,443.25	2	4,105.02	2	3,744.73	2	3,378.54	2	3,012.36	2	2,646.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,759.84	1/4	4,436.46	1/4	4,097.70	1/4	3,737.10	1/4	3,370.92	1/4	3,004.73	1/4	2,638.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,752.29	1/2	4,429.67	1/2	4,090.37	1/2	3,729.47	1/2	3,363.29	1/2	2,997.10	1/2	2,630.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,744.75	3/4	4,422.88	3/4	4,083.05	3/4	3,721.84	3/4	3,355.66	3/4	2,989.48	3/4	2,623.29
3	3	3	3	3	3	3	4,737.20	3	4,416.09	3	4,075.73	3	3,714.21	3	3,348.03	3	2,981.85	3	2,615.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,729.94	1/4	4,409.26	1/4	4,068.37	1/4	3,706.58	1/4	3,340.40	1/4	2,974.22	1/4	2,608.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,722.67	1/2	4,402.43	1/2	4,061.02	1/2	3,698.95	1/2	3,332.77	1/2	2,966.59	1/2	2,600.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,715.41	3/4	4,395.60	3/4	4,053.66	3/4	3,691.33	3/4	3,325.14	3/4	2,958.96	3/4	2,592.78
4	4	4	4	4	4	4	4,708.14	4	4,388.77	4	4,046.31	4	3,683.70	4	3,317.51	4	2,951.33	4	2,585.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,701.43	1/4	4,381.90	1/4	4,038.92	1/4	3,676.07	1/4	3,309.89	1/4	2,943.70	1/4	2,577.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,694.71	1/2	4,375.04	1/2	4,031.53	1/2	3,668.44	1/2	3,302.26	1/2	2,936.07	1/2	2,569.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,688.00	3/4	4,368.17	3/4	4,024.14	3/4	3,660.81	3/4	3,294.63	3/4	2,928.45	3/4	2,562.26
5	5	5	5	5	5	5	4,681.28	5	4,361.31	5	4,016.74	5	3,653.18	5	3,287.00	5	2,920.82	5	2,554.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,674.82	1/4	4,354.40	1/4	4,009.32	1/4	3,645.55	1/4	3,279.37	1/4	2,913.19	1/4	2,547.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,668.35	1/2	4,347.50	1/2	4,001.89	1/2	3,637.92	1/2	3,271.74	1/2	2,905.56	1/2	2,539.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,661.89	3/4	4,340.59	3/4	3,994.46	3/4	3,630.29	3/4	3,264.11	3/4	2,897.93	3/4	2,531.75
6	6	6	6	6	6	6	4,655.42	6	4,333.69	6	3,987.03	6	3,622.67	6	3,256.48	6	2,890.30	6	2,524.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,648.92	1/4	4,326.73	1/4	3,979.57	1/4	3,615.04	1/4	3,248.85	1/4	2,882.67	1/4	2,516.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,642.42	1/2	4,319.77	1/2	3,972.10	1/2	3,607.41	1/2	3,241.23	1/2	2,875.04	1/2	2,508.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,635.92	3/4	4,312.80	3/4	3,964.64	3/4	3,599.78	3/4	3,233.60	3/4	2,867.41	3/4	2,501.23
7	7	7	7	7	7	7	4,629.42	7	4,305.84	7	3,957.17	7	3,592.15	7	3,225.97	7	2,859.79	7	2,493.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,622.88	1/4	4,298.80	1/4	3,949.67	1/4	3,584.52	1/4	3,218.34	1/4	2,852.16	1/4	2,485.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,616.34	1/2	4,291.76	1/2	3,942.17	1/2	3,576.89	1/2	3,210.71	1/2	2,844.53	1/2	2,478.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,609.80	3/4	4,284.72	3/4	3,934.67	3/4	3,569.26	3/4	3,203.08	3/4	2,836.90	3/4	2,470.72
8	8	8	8	8	8	8	4,603.26	8	4,277.67	8	3,927.16	8	3,561.64	8	3,195.45	8	2,829.27	8	2,463.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,596.68	1/4	4,270.57	1/4	3,919.62	1/4	3,554.01	1/4	3,187.82	1/4	2,821.64	1/4	2,455.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,590.11	1/2	4,263.47	1/2	3,912.08	1/2	3,546.38	1/2	3,180.20	1/2	2,814.01	1/2	2,447.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,583.53	3/4	4,256.37	3/4	3,904.54	3/4	3,538.75	3/4	3,172.57	3/4	2,806.38	3/4	2,440.20
9	9	9	9	9	9	9	4,576.95	9	4,249.27	9	3,897.00	9	3,531.12	9	3,164.94	9	2,798.76	9	2,432.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,570.34	1/4	4,242.13	1/4	3,889.43	1/4	3,523.49	1/4	3,157.31	1/4	2,791.13	1/4	2,424.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,563.73	1/2	4,235.00	1/2	3,881.85	1/2	3,515.86	1/2	3,149.68	1/2	2,783.50	1/2	2,417.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,557.11	3/4	4,227.86	3/4	3,874.27	3/4	3,508.23	3/4	3,142.05	3/4	2,775.87	3/4	2,409.69
10	10	10	10	10	10	10	4,550.50	10	4,220.72	10	3,866.69	10	3,500.61	10	3,134.42	10	2,768.24	10	2,402.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,543.85	1/4	4,213.54	1/4	3,859.09	1/4	3,492.98	1/4	3,126.79	1/4	2,760.61	1/4	2,394.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,537.20	1/2	4,206.37	1/2	3,851.48	1/2	3,485.35	1/2	3,119.17	1/2	2,752.98	1/2	2,386.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,530.54	3/4	4,199.19	3/4	3,843.87	3/4	3,477.72	3/4	3,111.54	3/4	2,745.35	3/4	2,379.17
11	11	11	11	11	11	11	4,523.89	11	4,192.02	11	3,836.26	11	3,470.09	11	3,103.91	11	2,737.73	11	2,371.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,517.21	1/4	4,184.81	1/4	3,828.63	1/4	3,462.46	1/4	3,096.28	1/4	2,730.10	1/4	2,363.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,510.52	1/2	4,177.59	1/2	3,821.01	1/2	3,454.83	1/2	3,088.65	1/2	2,722.47	1/2	2,356.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,503.83	3/4	4,170.38	3/4	3,813.38	3/4	3,447.20	3/4	3,081.02	3/4	2,714.84	3/4	2,348.66

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'-09" 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 28084"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07"

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	2,341.03	0	1,974.85	0	1,608.65	0	1,243.11	0	877.97	0	511.81	0	168.06	0		0			
1/4	2,333.40	1/4	1,967.22	1/4	1,601.02	1/4	1,235.48	1/4	870.36	1/4	504.20	1/4	161.45	1/4		1/4			1/4
1/2	2,325.77	1/2	1,959.59	1/2	1,593.39	1/2	1,227.85	1/2	862.74	1/2	496.59	1/2	154.84	1/2		1/2			1/2
3/4	2,318.14	3/4	1,951.96	3/4	1,585.77	3/4	1,220.22	3/4	855.12	3/4	488.98	3/4	148.23	3/4		3/4			3/4
1	2,310.51	1	1,944.33	1	1,578.14	1	1,212.59	1	847.51	1	481.37	1	141.62	1		1			1
1/4	2,302.88	1/4	1,936.70	1/4	1,570.51	1/4	1,204.96	1/4	839.88	1/4	473.83	1/4	135.10	1/4		1/4			1/4
1/2	2,295.25	1/2	1,929.07	1/2	1,562.88	1/2	1,197.33	1/2	832.25	1/2	466.28	1/2	128.59	1/2		1/2			1/2
3/4	2,287.63	3/4	1,921.45	3/4	1,555.25	3/4	1,189.70	3/4	824.62	3/4	458.74	3/4	122.07	3/4		3/4			3/4
2	2,280.00	2	1,913.82	2	1,547.62	2	1,182.07	2	816.99	2	451.19	2	115.55	2		2			2
1/4	2,272.37	1/4	1,906.19	1/4	1,539.99	1/4	1,174.45	1/4	809.36	1/4	443.73	1/4	109.13	1/4		1/4			1/4
1/2	2,264.74	1/2	1,898.56	1/2	1,532.36	1/2	1,166.84	1/2	801.73	1/2	436.27	1/2	102.71	1/2		1/2			1/2
3/4	2,257.11	3/4	1,890.93	3/4	1,524.73	3/4	1,159.22	3/4	794.10	3/4	428.81	3/4	96.29	3/4		3/4			3/4
3	2,249.48	3	1,883.30	3	1,517.10	3	1,151.60	3	786.47	3	421.35	3	89.87	3		3			3
1/4	2,241.85	1/4	1,875.67	1/4	1,509.47	1/4	1,144.00	1/4	778.84	1/4	413.98	1/4	83.55	1/4		1/4			1/4
1/2	2,234.22	1/2	1,868.04	1/2	1,501.84	1/2	1,136.40	1/2	771.21	1/2	406.60	1/2	77.24	1/2		1/2			1/2
3/4	2,226.60	3/4	1,860.41	3/4	1,494.22	3/4	1,128.80	3/4	763.58	3/4	399.23	3/4	70.92	3/4		3/4			3/4
4	2,218.97	4	1,852.78	4	1,486.59	4	1,121.20	4	755.95	4	391.85	4	64.61	4		4			4
1/4	2,211.34	1/4	1,845.15	1/4	1,478.97	1/4	1,113.60	1/4	748.32	1/4	384.56	1/4	58.41	1/4		1/4			1/4
1/2	2,203.71	1/2	1,837.53	1/2	1,471.36	1/2	1,105.99	1/2	740.69	1/2	377.27	1/2	52.21	1/2		1/2			1/2
3/4	2,196.08	3/4	1,829.90	3/4	1,463.74	3/4	1,098.39	3/4	733.06	3/4	369.98	3/4	46.02	3/4		3/4			3/4
5	2,188.45	5	1,822.27	5	1,456.13	5	1,090.79	5	725.44	5	362.69	5	39.82	5		5			5
1/4	2,180.82	1/4	1,814.64	1/4	1,448.52	1/4	1,083.19	1/4	717.81	1/4	355.48	1/4	34.32	1/4		1/4			1/4
1/2	2,173.19	1/2	1,807.01	1/2	1,440.92	1/2	1,075.59	1/2	710.18	1/2	348.28	1/2	28.82	1/2		1/2			1/2
3/4	2,165.57	3/4	1,799.38	3/4	1,433.32	3/4	1,067.99	3/4	702.55	3/4	341.07	3/4	23.32	3/4		3/4			3/4
6	2,157.94	6	1,791.75	6	1,425.72	6	1,060.39	6	694.92	6	333.87	6	17.81	6		6			6
1/4	2,150.31	1/4	1,784.12	1/4	1,418.12	1/4	1,052.79	1/4	687.29	1/4	326.75	1/4	14.26	1/4		1/4			1/4
1/2	2,142.68	1/2	1,776.49	1/2	1,410.52	1/2	1,045.19	1/2	679.66	1/2	319.62	1/2	10.70	1/2		1/2			1/2
3/4	2,135.05	3/4	1,768.86	3/4	1,402.92	3/4	1,037.59	3/4	672.03	3/4	312.50	3/4	7.14	3/4		3/4			3/4
7	2,127.42	7	1,761.23	7	1,395.31	7	1,029.99	7	664.40	7	305.38	7	3.58	7		7			7
1/4	2,119.79	1/4	1,753.61	1/4	1,387.71	1/4	1,022.39	1/4	656.77	1/4	298.35	1/4		1/4		1/4			1/4
1/2	2,112.16	1/2	1,745.98	1/2	1,380.11	1/2	1,014.79	1/2	649.14	1/2	291.31	1/2		1/2		1/2			1/2
3/4	2,104.53	3/4	1,738.35	3/4	1,372.51	3/4	1,007.19	3/4	641.51	3/4	284.27	3/4		3/4		3/4			3/4
8	2,096.91	8	1,730.72	8	1,364.91	8	999.59	8	633.88	8	277.24	8		8		8			8
1/4	2,089.28	1/4	1,723.09	1/4	1,357.30	1/4	991.99	1/4	626.25	1/4	270.29	1/4		1/4		1/4			1/4
1/2	2,081.65	1/2	1,715.46	1/2	1,349.70	1/2	984.39	1/2	618.62	1/2	263.34	1/2		1/2		1/2			1/2
3/4	2,074.02	3/4	1,707.83	3/4	1,342.10	3/4	976.79	3/4	610.99	3/4	256.39	3/4		3/4		3/4			3/4
9	2,066.39	9	1,700.20	9	1,334.50	9	969.19	9	603.36	9	249.43	9		9		9			9
1/4	2,058.76	1/4	1,692.57	1/4	1,326.90	1/4	961.59	1/4	595.73	1/4	242.57	1/4		1/4		1/4			1/4
1/2	2,051.13	1/2	1,684.94	1/2	1,319.29	1/2	953.98	1/2	588.10	1/2	235.70	1/2		1/2		1/2			1/2
3/4	2,043.50	3/4	1,677.31	3/4	1,311.69	3/4	946.38	3/4	580.47	3/4	228.84	3/4		3/4		3/4			3/4
10	2,035.88	10	1,669.69	10	1,304.09	10	938.78	10	572.84	10	221.97	10		10		10			10
1/4	2,028.25	1/4	1,662.06	1/4	1,296.48	1/4	931.18	1/4	565.21	1/4	215.19	1/4		1/4		1/4			1/4
1/2	2,020.62	1/2	1,654.43	1/2	1,288.86	1/2	923.58	1/2	557.59	1/2	208.41	1/2		1/2		1/2			1/2
3/4	2,012.99	3/4	1,646.80	3/4	1,281.24	3/4	915.98	3/4	549.96	3/4	201.62	3/4		3/4		3/4			3/4
11	2,005.36	11	1,639.17	11	1,273.63	11	908.38	11	542.33	11	194.84	11		11		11			11
1/4	1,997.73	1/4	1,631.54	1/4	1,266.00	1/4	900.78	1/4	534.70	1/4	188.15	1/4		1/4		1/4			1/4
1/2	1,990.10	1/2	1,623.91	1/2	1,258.37	1/2	893.18	1/2	527.07	1/2	181.45	1/2		1/2		1/2			1/2
3/4	1,982.48	3/4	1,616.28	3/4	1,250.74	3/4	885.57	3/4	519.44	3/4	174.75	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/14/2006 CL - SW
RECALCULATED: 10/14/2016 CL
REPRINTED: 10/14/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2016

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



BARGE "KIRBY 28084"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/4"

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	4,850.04	0	4,525.63	0	4,194.16	0	3,839.27	0	3,475.27	0	3,111.26	0	2,747.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,844.44	1/4	4,518.98	1/4	4,186.99	1/4	3,831.69	1/4	3,467.69	1/4	3,103.68	1/4	2,739.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,837.65	1/2	4,512.30	1/2	4,179.78	1/2	3,824.11	1/2	3,460.10	1/2	3,096.10	1/2	2,732.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,830.86	3/4	4,505.62	3/4	4,172.57	3/4	3,816.53	3/4	3,452.52	3/4	3,088.51	3/4	2,724.50		
1		1		1		1	4,824.07	1	4,498.94	1	4,165.36	1	3,808.94	1	3,444.94	1	3,080.93	1	2,716.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,817.28	1/4	4,492.27	1/4	4,158.16	1/4	3,801.36	1/4	3,437.35	1/4	3,073.34	1/4	2,709.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,809.86	1/2	4,485.55	1/2	4,150.91	1/2	3,793.78	1/2	3,429.77	1/2	3,065.76	1/2	2,701.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,802.44	3/4	4,478.84	3/4	4,143.67	3/4	3,786.19	3/4	3,422.19	3/4	3,058.18	3/4	2,694.17		
2		2		2		2	4,795.02	2	4,472.12	2	4,136.42	2	3,778.61	2	3,414.60	2	3,050.59	2	2,686.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,787.60	1/4	4,465.41	1/4	4,129.18	1/4	3,771.03	1/4	3,407.02	1/4	3,043.01	1/4	2,679.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,780.10	1/2	4,458.66	1/2	4,121.90	1/2	3,763.44	1/2	3,399.44	1/2	3,035.43	1/2	2,671.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,772.61	3/4	4,451.91	3/4	4,114.62	3/4	3,755.86	3/4	3,391.85	3/4	3,027.84	3/4	2,663.84		
3		3		3		3	4,765.11	3	4,445.16	3	4,107.34	3	3,748.28	3	3,384.27	3	3,020.26	3	2,656.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,757.61	1/4	4,438.41	1/4	4,100.06	1/4	3,740.69	1/4	3,376.68	1/4	3,012.68	1/4	2,648.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,750.39	1/2	4,431.62	1/2	4,092.75	1/2	3,733.11	1/2	3,369.10	1/2	3,005.09	1/2	2,641.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,743.17	3/4	4,424.83	3/4	4,085.44	3/4	3,725.53	3/4	3,361.52	3/4	2,997.51	3/4	2,633.50		
4		4		4		4	4,735.94	4	4,418.04	4	4,078.13	4	3,717.94	4	3,353.93	4	2,989.93	4	2,625.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,728.72	1/4	4,411.25	1/4	4,070.82	1/4	3,710.36	1/4	3,346.35	1/4	2,982.34	1/4	2,618.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,722.05	1/2	4,404.43	1/2	4,063.47	1/2	3,702.78	1/2	3,338.77	1/2	2,974.76	1/2	2,610.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,715.37	3/4	4,397.60	3/4	4,056.12	3/4	3,695.19	3/4	3,331.18	3/4	2,967.18	3/4	2,603.17		
5		5		5		5	4,708.70	5	4,390.78	5	4,048.78	5	3,687.61	5	3,323.60	5	2,959.59	5	2,595.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,702.02	1/4	4,383.95	1/4	4,041.43	1/4	3,680.02	1/4	3,316.02	1/4	2,952.01	1/4	2,588.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,695.59	1/2	4,377.09	1/2	4,034.05	1/2	3,672.44	1/2	3,308.43	1/2	2,944.43	1/2	2,580.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,689.17	3/4	4,370.23	3/4	4,026.66	3/4	3,664.86	3/4	3,300.85	3/4	2,936.84	3/4	2,572.83		
6		6		6		6	4,682.74	6	4,363.36	6	4,019.28	6	3,657.27	6	3,293.27	6	2,929.26	6	2,565.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,676.32	1/4	4,356.50	1/4	4,011.90	1/4	3,649.69	1/4	3,285.68	1/4	2,921.67	1/4	2,557.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,669.85	1/2	4,349.58	1/2	4,004.47	1/2	3,642.11	1/2	3,278.10	1/2	2,914.09	1/2	2,550.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,663.39	3/4	4,342.66	3/4	3,997.05	3/4	3,634.52	3/4	3,270.52	3/4	2,906.51	3/4	2,542.50		
7		7		7		7	4,656.93	7	4,335.74	7	3,989.63	7	3,626.94	7	3,262.93	7	2,898.92	7	2,534.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,650.46	1/4	4,328.82	1/4	3,982.21	1/4	3,619.36	1/4	3,255.35	1/4	2,891.34	1/4	2,527.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,643.96	1/2	4,321.82	1/2	3,974.75	1/2	3,611.77	1/2	3,247.77	1/2	2,883.76	1/2	2,519.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,637.46	3/4	4,314.82	3/4	3,967.30	3/4	3,604.19	3/4	3,240.18	3/4	2,876.17	3/4	2,512.17		
8		8		8		8	4,630.96	8	4,307.82	8	3,959.84	8	3,595.61	8	3,232.60	8	2,868.59	8	2,504.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,624.46	1/4	4,300.82	1/4	3,952.38	1/4	3,589.02	1/4	3,225.01	1/4	2,861.01	1/4	2,497.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,617.93	1/2	4,293.76	1/2	3,944.88	1/2	3,581.44	1/2	3,217.43	1/2	2,853.42	1/2	2,489.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,611.39	3/4	4,286.70	3/4	3,937.39	3/4	3,573.86	3/4	3,209.85	3/4	2,845.84	3/4	2,481.83		
9		9		9		9	4,604.85	9	4,279.64	9	3,929.89	9	3,566.27	9	3,202.26	9	2,838.26	9	2,474.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,598.31	1/4	4,272.58	1/4	3,922.40	1/4	3,558.69	1/4	3,194.68	1/4	2,830.67	1/4	2,466.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,591.74	1/2	4,265.49	1/2	3,914.87	1/2	3,551.11	1/2	3,187.10	1/2	2,823.09	1/2	2,459.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,585.16	3/4	4,258.39	3/4	3,907.33	3/4	3,543.52	3/4	3,179.51	3/4	2,815.51	3/4	2,451.50		
10		10		10		10	4,578.59	10	4,251.29	10	3,899.80	10	3,535.94	10	3,171.93	10	2,807.92	10	2,443.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,572.02	1/4	4,244.20	1/4	3,892.27	1/4	3,528.35	1/4	3,164.35	1/4	2,800.34	1/4	2,436.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,565.40	1/2	4,237.07	1/2	3,884.71	1/2	3,520.77	1/2	3,156.76	1/2	2,792.76	1/2	2,428.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,558.79	3/4	4,229.93	3/4	3,877.14	3/4	3,513.19	3/4	3,149.18	3/4	2,785.17	3/4	2,421.16		
11		11		11		11	4,552.18	11	4,222.80	11	3,869.58	11	3,505.60	11	3,141.60	11	2,777.59	11	2,413.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,545.57	1/4	4,215.67	1/4	3,862.01	1/4	3,498.02	1/4	3,134.01	1/4	2,770.00	1/4	2,406.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,538.92	1/2	4,208.50	1/2	3,854.43	1/2	3,490.44	1/2	3,126.43	1/2	2,762.42	1/2	2,398.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,532.28	3/4	4,201.33	3/4	3,846.85	3/4	3,482.85	3/4	3,118.85	3/4	2,754.84	3/4	2,390.83		

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'-09" 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 28084"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,383.25	0	2,019.24	0	1,655.22	0	1,295.08	0	944.46	0	583.82	0	219.76	0		0		0	
1/4	2,375.66	1/4	2,011.65	1/4	1,647.64	1/4	1,287.50	1/4	937.21	1/4	576.23	1/4	212.18	1/4		1/4		1/4	
1/2	2,368.08	1/2	2,004.07	1/2	1,640.05	1/2	1,279.91	1/2	929.94	1/2	568.65	1/2	204.60	1/2		1/2		1/2	
3/4	2,360.50	3/4	1,996.49	3/4	1,632.47	3/4	1,272.33	3/4	922.67	3/4	561.06	3/4	197.01	3/4		3/4		3/4	
1	2,352.91	1	1,988.90	1	1,624.88	1	1,264.75	1	915.40	1	553.48	1	189.43	1		1		1	
1/4	2,345.33	1/4	1,981.32	1/4	1,617.30	1/4	1,257.16	1/4	908.13	1/4	545.90	1/4	181.85	1/4		1/4		1/4	
1/2	2,337.75	1/2	1,973.73	1/2	1,609.72	1/2	1,249.73	1/2	900.84	1/2	538.31	1/2	174.28	1/2		1/2		1/2	
3/4	2,330.16	3/4	1,966.15	3/4	1,602.13	3/4	1,242.29	3/4	893.56	3/4	530.73	3/4	166.70	3/4		3/4		3/4	
2	2,322.58	2	1,958.57	2	1,594.55	2	1,234.86	2	886.28	2	523.14	2	159.13	2		2		2	
1/4	2,314.99	1/4	1,950.98	1/4	1,586.97	1/4	1,227.43	1/4	879.00	1/4	515.56	1/4	151.55	1/4		1/4		1/4	
1/2	2,307.41	1/2	1,943.40	1/2	1,579.38	1/2	1,220.16	1/2	871.57	1/2	507.97	1/2	143.99	1/2		1/2		1/2	
3/4	2,299.83	3/4	1,935.82	3/4	1,571.80	3/4	1,212.89	3/4	864.13	3/4	500.39	3/4	136.43	3/4		3/4		3/4	
3	2,292.24	3	1,928.23	3	1,564.21	3	1,205.62	3	856.70	3	492.80	3	128.86	3		3		3	
1/4	2,284.66	1/4	1,920.65	1/4	1,556.63	1/4	1,198.35	1/4	849.27	1/4	485.22	1/4	121.30	1/4		1/4		1/4	
1/2	2,277.08	1/2	1,913.06	1/2	1,549.13	1/2	1,191.09	1/2	841.68	1/2	477.63	1/2	113.76	1/2		1/2		1/2	
3/4	2,269.49	3/4	1,905.48	3/4	1,541.63	3/4	1,183.84	3/4	834.10	3/4	470.05	3/4	106.21	3/4		3/4		3/4	
4	2,261.91	4	1,897.90	4	1,534.12	4	1,176.58	4	826.51	4	462.47	4	98.67	4		4		4	
1/4	2,254.33	1/4	1,890.31	1/4	1,526.62	1/4	1,169.32	1/4	818.93	1/4	454.88	1/4	91.13	1/4		1/4		1/4	
1/2	2,246.74	1/2	1,882.73	1/2	1,519.20	1/2	1,162.07	1/2	811.35	1/2	447.30	1/2	83.62	1/2		1/2		1/2	
3/4	2,239.16	3/4	1,875.15	3/4	1,511.78	3/4	1,154.82	3/4	803.76	3/4	439.71	3/4	76.11	3/4		3/4		3/4	
5	2,231.58	5	1,867.56	5	1,504.36	5	1,147.56	5	796.18	5	432.13	5	68.60	5		5		5	
1/4	2,223.99	1/4	1,859.98	1/4	1,496.93	1/4	1,140.31	1/4	788.59	1/4	424.54	1/4	61.09	1/4		1/4		1/4	
1/2	2,216.41	1/2	1,852.40	1/2	1,489.51	1/2	1,133.06	1/2	781.01	1/2	416.96	1/2	54.19	1/2		1/2		1/2	
3/4	2,208.83	3/4	1,844.81	3/4	1,482.09	3/4	1,125.80	3/4	773.43	3/4	409.37	3/4	47.29	3/4		3/4		3/4	
6	2,201.24	6	1,837.23	6	1,474.67	6	1,118.55	6	765.84	6	401.79	6	40.38	6		6		6	
1/4	2,193.66	1/4	1,829.64	1/4	1,467.25	1/4	1,111.30	1/4	758.26	1/4	394.21	1/4	33.48	1/4		1/4		1/4	
1/2	2,186.08	1/2	1,822.06	1/2	1,459.83	1/2	1,104.04	1/2	750.67	1/2	386.62	1/2	28.43	1/2		1/2		1/2	
3/4	2,178.49	3/4	1,814.48	3/4	1,452.41	3/4	1,096.79	3/4	743.09	3/4	379.04	3/4	23.37	3/4		3/4		3/4	
7	2,170.91	7	1,806.89	7	1,444.98	7	1,089.54	7	735.50	7	371.45	7	18.32	7		7		7	
1/4	2,163.32	1/4	1,799.31	1/4	1,437.56	1/4	1,082.28	1/4	727.92	1/4	363.87	1/4	13.26	1/4		1/4		1/4	
1/2	2,155.74	1/2	1,791.73	1/2	1,430.14	1/2	1,075.03	1/2	720.34	1/2	356.28	1/2		1/2		1/2		1/2	
3/4	2,148.16	3/4	1,784.14	3/4	1,422.72	3/4	1,067.78	3/4	712.75	3/4	348.70	3/4		3/4		3/4		3/4	
8	2,140.57	8	1,776.56	8	1,415.30	8	1,060.52	8	705.17	8	341.11	8		8		8		8	
1/4	2,132.99	1/4	1,768.97	1/4	1,407.88	1/4	1,053.27	1/4	697.58	1/4	333.53	1/4		1/4		1/4		1/4	
1/2	2,125.41	1/2	1,761.39	1/2	1,400.45	1/2	1,046.02	1/2	690.00	1/2	325.94	1/2		1/2		1/2		1/2	
3/4	2,117.82	3/4	1,753.81	3/4	1,393.03	3/4	1,038.76	3/4	682.42	3/4	318.36	3/4		3/4		3/4		3/4	
9	2,110.24	9	1,746.22	9	1,385.61	9	1,031.51	9	674.83	9	310.78	9		9		9		9	
1/4	2,102.66	1/4	1,738.64	1/4	1,378.19	1/4	1,024.26	1/4	667.25	1/4	303.19	1/4		1/4		1/4		1/4	
1/2	2,095.07	1/2	1,731.06	1/2	1,370.68	1/2	1,017.00	1/2	659.66	1/2	295.61	1/2		1/2		1/2		1/2	
3/4	2,087.49	3/4	1,723.47	3/4	1,363.18	3/4	1,009.75	3/4	652.08	3/4	288.02	3/4		3/4		3/4		3/4	
10	2,079.91	10	1,715.89	10	1,355.68	10	1,002.50	10	644.49	10	280.44	10		10		10		10	
1/4	2,072.32	1/4	1,708.30	1/4	1,348.17	1/4	995.24	1/4	636.91	1/4	272.85	1/4		1/4		1/4		1/4	
1/2	2,064.74	1/2	1,700.72	1/2	1,340.59	1/2	987.99	1/2	629.32	1/2	265.27	1/2		1/2		1/2		1/2	
3/4	2,057.16	3/4	1,693.14	3/4	1,333.00	3/4	980.74	3/4	621.74	3/4	257.68	3/4		3/4		3/4		3/4	
11	2,049.57	11	1,685.55	11	1,325.42	11	973.48	11	614.16	11	250.10	11		11		11		11	
1/4	2,041.99	1/4	1,677.97	1/4	1,317.84	1/4	966.23	1/4	606.57	1/4	242.52	1/4		1/4		1/4		1/4	
1/2	2,034.40	1/2	1,670.39	1/2	1,310.25	1/2	958.97	1/2	598.99	1/2	234.93	1/2		1/2		1/2		1/2	
3/4	2,026.82	3/4	1,662.80	3/4	1,302.67	3/4	951.72	3/4	591.40	3/4	227.35	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/14/2006 CL - SW
CALCULATED: 09/15/2006 CL
PRINTED: 09/16/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2006

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



BARGE "KIRBY 28084"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07"

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	4,860.14	0	4,534.67	0	4,202.68	0	3,847.38	0	3,483.37	0	3,119.37	0	2,755.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,853.35	1/4	4,528.00	1/4	4,195.47	1/4	3,839.80	1/4	3,475.79	1/4	3,111.78	1/4	2,747.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,846.56	1/2	4,521.32	1/2	4,188.26	1/2	3,832.22	1/2	3,468.21	1/2	3,104.20	1/2	2,740.19		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,839.77	3/4	4,514.64	3/4	4,181.05	3/4	3,824.63	3/4	3,460.62	3/4	3,096.62	3/4	2,732.61		
1		1		1		1	4,832.98	1	4,507.96	1	4,173.85	1	3,817.05	1	3,453.04	1	3,089.03	1	2,725.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,825.56	1/4	4,501.24	1/4	4,166.60	1/4	3,809.46	1/4	3,445.46	1/4	3,081.45	1/4	2,717.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,818.14	1/2	4,494.53	1/2	4,159.36	1/2	3,801.88	1/2	3,437.87	1/2	3,073.86	1/2	2,709.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,810.72	3/4	4,487.81	3/4	4,152.11	3/4	3,794.30	3/4	3,430.29	3/4	3,066.28	3/4	2,702.27		
2		2		2		2	4,803.30	2	4,481.10	2	4,144.87	2	3,786.71	2	3,422.71	2	3,058.70	2	2,694.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,795.80	1/4	4,474.35	1/4	4,137.59	1/4	3,779.13	1/4	3,415.12	1/4	3,051.11	1/4	2,687.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,788.30	1/2	4,467.60	1/2	4,130.31	1/2	3,771.55	1/2	3,407.54	1/2	3,043.53	1/2	2,679.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,780.80	3/4	4,460.85	3/4	4,123.03	3/4	3,763.96	3/4	3,399.96	3/4	3,035.95	3/4	2,671.94		
3		3		3		3	4,773.30	3	4,454.10	3	4,115.75	3	3,756.38	3	3,392.37	3	3,028.36	3	2,664.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,766.08	1/4	4,447.31	1/4	4,108.44	1/4	3,748.80	1/4	3,384.79	1/4	3,020.78	1/4	2,656.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,758.86	1/2	4,440.52	1/2	4,101.13	1/2	3,741.21	1/2	3,377.20	1/2	3,013.20	1/2	2,649.19		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,751.64	3/4	4,433.73	3/4	4,093.82	3/4	3,733.63	3/4	3,369.62	3/4	3,005.61	3/4	2,641.61		
4		4		4		4	4,744.42	4	4,426.94	4	4,086.50	4	3,726.05	4	3,362.04	4	2,998.03	4	2,634.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,737.74	1/4	4,420.12	1/4	4,079.16	1/4	3,718.46	1/4	3,354.45	1/4	2,990.45	1/4	2,626.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,731.07	1/2	4,413.29	1/2	4,071.81	1/2	3,710.88	1/2	3,346.87	1/2	2,982.86	1/2	2,618.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,724.39	3/4	4,406.47	3/4	4,064.46	3/4	3,703.30	3/4	3,339.29	3/4	2,975.28	3/4	2,611.27		
5		5		5		5	4,717.72	5	4,399.64	5	4,057.12	5	3,695.71	5	3,331.70	5	2,967.70	5	2,603.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,711.29	1/4	4,392.78	1/4	4,049.73	1/4	3,688.13	1/4	3,324.12	1/4	2,960.11	1/4	2,596.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,704.86	1/2	4,385.92	1/2	4,042.35	1/2	3,680.55	1/2	3,316.54	1/2	2,952.53	1/2	2,588.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,698.44	3/4	4,379.05	3/4	4,034.97	3/4	3,672.96	3/4	3,308.95	3/4	2,944.95	3/4	2,580.94		
6		6		6		6	4,692.01	6	4,372.19	6	4,027.58	6	3,665.38	6	3,301.37	6	2,937.36	6	2,573.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,685.55	1/4	4,365.27	1/4	4,020.16	1/4	3,657.79	1/4	3,293.79	1/4	2,929.78	1/4	2,565.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,679.08	1/2	4,358.35	1/2	4,012.74	1/2	3,650.21	1/2	3,286.20	1/2	2,922.19	1/2	2,558.19		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,672.62	3/4	4,351.43	3/4	4,005.32	3/4	3,642.63	3/4	3,278.62	3/4	2,914.61	3/4	2,550.60		
7		7		7		7	4,666.16	7	4,344.51	7	3,997.90	7	3,635.04	7	3,271.04	7	2,907.03	7	2,543.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,659.66	1/4	4,337.51	1/4	3,990.44	1/4	3,627.46	1/4	3,263.45	1/4	2,899.44	1/4	2,535.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,653.16	1/2	4,330.51	1/2	3,982.98	1/2	3,619.88	1/2	3,255.87	1/2	2,891.86	1/2	2,527.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,646.66	3/4	4,323.51	3/4	3,975.52	3/4	3,612.29	3/4	3,248.29	3/4	2,884.28	3/4	2,520.27		
8		8		8		8	4,640.16	8	4,316.50	8	3,968.07	8	3,604.71	8	3,240.70	8	2,876.69	8	2,512.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,633.62	1/4	4,309.45	1/4	3,960.57	1/4	3,597.13	1/4	3,233.12	1/4	2,869.11	1/4	2,505.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,627.08	1/2	4,302.39	1/2	3,953.08	1/2	3,589.54	1/2	3,225.53	1/2	2,861.53	1/2	2,497.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,620.54	3/4	4,295.33	3/4	3,945.58	3/4	3,581.96	3/4	3,217.95	3/4	2,853.94	3/4	2,489.94		
9		9		9		9	4,614.01	9	4,288.27	9	3,938.09	9	3,574.38	9	3,210.37	9	2,846.36	9	2,482.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,607.43	1/4	4,281.17	1/4	3,930.55	1/4	3,566.79	1/4	3,202.78	1/4	2,838.78	1/4	2,474.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,600.86	1/2	4,274.08	1/2	3,923.02	1/2	3,559.21	1/2	3,195.20	1/2	2,831.19	1/2	2,467.18		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,594.28	3/4	4,266.98	3/4	3,915.49	3/4	3,551.63	3/4	3,187.62	3/4	2,823.61	3/4	2,459.60		
10		10		10		10	4,587.71	10	4,259.89	10	3,907.96	10	3,544.04	10	3,180.03	10	2,816.03	10	2,452.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,581.10	1/4	4,252.75	1/4	3,900.39	1/4	3,536.46	1/4	3,172.45	1/4	2,808.44	1/4	2,444.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,574.48	1/2	4,245.62	1/2	3,892.83	1/2	3,528.87	1/2	3,164.87	1/2	2,800.86	1/2	2,436.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,567.87	3/4	4,238.49	3/4	3,885.27	3/4	3,521.29	3/4	3,157.28	3/4	2,793.28	3/4	2,429.27		
11		11		11		11	4,561.26	11	4,231.36	11	3,877.70	11	3,513.71	11	3,149.70	11	2,785.69	11	2,421.68		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,554.61	1/4	4,224.19	1/4	3,870.12	1/4	3,506.12	1/4	3,142.12	1/4	2,778.11	1/4	2,414.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,547.97	1/2	4,217.02	1/2	3,862.54	1/2	3,498.54	1/2	3,134.53	1/2	2,770.52	1/2	2,406.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,541.32	3/4	4,209.85	3/4	3,854.96	3/4	3,490.96	3/4	3,126.95	3/4	2,762.94	3/4	2,398.93		

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'-09" 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 28084"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07"

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	2,391.35	0	2,027.34	0	1,663.32	0	1,303.19	0	940.22	0	576.23	0	212.18	0		0		0	
1/4	2,383.77	1/4	2,019.76	1/4	1,655.74	1/4	1,295.60	1/4	932.65	1/4	568.65	1/4	204.60	1/4	1/4	1/4		1/4	1/4
1/2	2,376.18	1/2	2,012.17	1/2	1,648.16	1/2	1,288.02	1/2	925.08	1/2	561.06	1/2	197.01	1/2	1/2	1/2		1/2	1/2
3/4	2,368.60	3/4	2,004.59	3/4	1,640.57	3/4	1,280.43	3/4	917.51	3/4	553.48	3/4	189.43	3/4	3/4	3/4		3/4	3/4
1	2,361.02	1	1,997.01	1	1,632.99	1	1,272.85	1	909.94	1	545.90	1	181.85	1		1		1	1
1/4	2,353.43	1/4	1,989.42	1/4	1,625.40	1/4	1,265.26	1/4	902.35	1/4	538.31	1/4	174.28	1/4	1/4	1/4		1/4	1/4
1/2	2,345.85	1/2	1,981.84	1/2	1,617.82	1/2	1,257.68	1/2	894.77	1/2	530.73	1/2	166.70	1/2	1/2	1/2		1/2	1/2
3/4	2,338.27	3/4	1,974.25	3/4	1,610.24	3/4	1,250.10	3/4	887.18	3/4	523.14	3/4	159.13	3/4	3/4	3/4		3/4	3/4
2	2,330.68	2	1,966.67	2	1,602.65	2	1,242.51	2	879.60	2	515.56	2	151.55	2		2		2	2
1/4	2,323.10	1/4	1,959.09	1/4	1,595.07	1/4	1,234.94	1/4	872.02	1/4	507.97	1/4	143.99	1/4	1/4	1/4		1/4	1/4
1/2	2,315.51	1/2	1,951.50	1/2	1,587.49	1/2	1,227.37	1/2	864.43	1/2	500.39	1/2	136.43	1/2	1/2	1/2		1/2	1/2
3/4	2,307.93	3/4	1,943.92	3/4	1,579.90	3/4	1,219.80	3/4	856.85	3/4	492.80	3/4	128.86	3/4	3/4	3/4		3/4	3/4
3	2,300.35	3	1,936.34	3	1,572.32	3	1,212.22	3	849.26	3	485.22	3	121.30	3		3		3	3
1/4	2,292.76	1/4	1,928.75	1/4	1,564.82	1/4	1,204.67	1/4	841.68	1/4	477.63	1/4	113.76	1/4	1/4	1/4		1/4	1/4
1/2	2,285.18	1/2	1,921.17	1/2	1,557.31	1/2	1,197.11	1/2	834.10	1/2	470.05	1/2	106.21	1/2	1/2	1/2		1/2	1/2
3/4	2,277.60	3/4	1,913.58	3/4	1,549.81	3/4	1,189.55	3/4	826.51	3/4	462.47	3/4	98.67	3/4	3/4	3/4		3/4	3/4
4	2,270.01	4	1,906.00	4	1,542.31	4	1,182.00	4	818.93	4	454.88	4	91.13	4		4		4	4
1/4	2,262.43	1/4	1,898.42	1/4	1,534.89	1/4	1,174.44	1/4	811.34	1/4	447.30	1/4	83.62	1/4	1/4	1/4		1/4	1/4
1/2	2,254.85	1/2	1,890.83	1/2	1,527.46	1/2	1,166.89	1/2	803.76	1/2	439.71	1/2	76.11	1/2	1/2	1/2		1/2	1/2
3/4	2,247.26	3/4	1,883.25	3/4	1,520.04	3/4	1,159.33	3/4	796.18	3/4	432.13	3/4	68.60	3/4	3/4	3/4		3/4	3/4
5	2,239.68	5	1,875.67	5	1,512.62	5	1,151.78	5	788.59	5	424.54	5	61.09	5		5		5	5
1/4	2,232.10	1/4	1,868.08	1/4	1,505.20	1/4	1,144.22	1/4	781.01	1/4	416.96	1/4	54.19	1/4	1/4	1/4		1/4	1/4
1/2	2,224.51	1/2	1,860.50	1/2	1,497.78	1/2	1,136.67	1/2	773.42	1/2	409.37	1/2	47.29	1/2	1/2	1/2		1/2	1/2
3/4	2,216.93	3/4	1,852.92	3/4	1,490.36	3/4	1,129.11	3/4	765.84	3/4	401.79	3/4	40.38	3/4	3/4	3/4		3/4	3/4
6	2,209.35	6	1,845.33	6	1,482.94	6	1,121.56	6	758.26	6	394.21	6	33.48	6		6		6	6
1/4	2,201.76	1/4	1,837.75	1/4	1,475.51	1/4	1,114.00	1/4	750.67	1/4	386.62	1/4	28.43	1/4	1/4	1/4		1/4	1/4
1/2	2,194.18	1/2	1,830.16	1/2	1,468.09	1/2	1,106.45	1/2	743.09	1/2	379.04	1/2	23.37	1/2	1/2	1/2		1/2	1/2
3/4	2,186.60	3/4	1,822.58	3/4	1,460.67	3/4	1,098.89	3/4	735.50	3/4	371.45	3/4	18.32	3/4	3/4	3/4		3/4	3/4
7	2,179.01	7	1,815.00	7	1,453.25	7	1,091.34	7	727.92	7	363.87	7	13.26	7		7		7	7
1/4	2,171.43	1/4	1,807.41	1/4	1,445.83	1/4	1,083.78	1/4	720.34	1/4	356.28	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,163.84	1/2	1,799.83	1/2	1,438.41	1/2	1,076.22	1/2	712.75	1/2	348.70	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,156.26	3/4	1,792.25	3/4	1,430.98	3/4	1,068.67	3/4	705.17	3/4	341.11	3/4		3/4	3/4	3/4		3/4	3/4
8	2,148.68	8	1,784.66	8	1,423.56	8	1,061.11	8	697.58	8	333.53	8		8		8		8	8
1/4	2,141.09	1/4	1,777.08	1/4	1,416.14	1/4	1,053.56	1/4	690.00	1/4	325.94	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,133.51	1/2	1,769.49	1/2	1,408.72	1/2	1,046.00	1/2	682.42	1/2	318.36	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,125.93	3/4	1,761.91	3/4	1,401.30	3/4	1,038.45	3/4	674.83	3/4	310.78	3/4		3/4	3/4	3/4		3/4	3/4
9	2,118.34	9	1,754.33	9	1,393.87	9	1,030.89	9	667.25	9	303.19	9		9		9		9	9
1/4	2,110.76	1/4	1,746.74	1/4	1,386.37	1/4	1,023.34	1/4	659.66	1/4	295.61	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,103.18	1/2	1,739.16	1/2	1,378.87	1/2	1,015.78	1/2	652.08	1/2	288.02	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,095.59	3/4	1,731.58	3/4	1,371.36	3/4	1,008.23	3/4	644.49	3/4	280.44	3/4		3/4	3/4	3/4		3/4	3/4
10	2,088.01	10	1,723.99	10	1,363.86	10	1,000.67	10	636.91	10	272.85	10		10		10		10	10
1/4	2,080.43	1/4	1,716.41	1/4	1,356.28	1/4	993.12	1/4	629.32	1/4	265.27	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,072.84	1/2	1,708.82	1/2	1,348.69	1/2	985.56	1/2	621.74	1/2	257.68	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,065.26	3/4	1,701.24	3/4	1,341.11	3/4	978.01	3/4	614.16	3/4	250.10	3/4		3/4	3/4	3/4		3/4	3/4
11	2,057.68	11	1,693.66	11	1,333.52	11	970.45	11	606.57	11	242.52	11		11		11		11	11
1/4	2,050.09	1/4	1,686.07	1/4	1,325.94	1/4	962.89	1/4	598.99	1/4	234.93	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,042.51	1/2	1,678.49	1/2	1,318.36	1/2	955.34	1/2	591.40	1/2	227.35	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,034.92	3/4	1,670.91	3/4	1,310.77	3/4	947.78	3/4	583.82	3/4	219.76	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/14/2006 CL - SW
CALCULATED: 09/15/2006 CL
PRINTED: 09/16/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2006

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



BARGE "KIRBY 28084"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06"

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		0	4,218.80	0	3,958.17	0	3,683.54	0	3,403.35	0	3,042.57	0	2,678.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,213.51	1/4	3,952.56	1/4	3,677.70	1/4	3,396.63	1/4	3,034.99	1/4	2,671.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,463.24	1/2	4,208.21	1/2	3,946.94	1/2	3,671.87	1/2	3,389.91	1/2	3,027.41	1/2	2,663.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,458.50	3/4	4,202.92	3/4	3,941.33	3/4	3,666.03	3/4	3,383.19	3/4	3,019.83	3/4	2,656.04
1		1		1		1		1	4,453.77	1	4,197.62	1	3,935.71	1	3,660.20	1	3,376.47	1	3,012.25	1	2,648.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,448.73	1/4	4,192.31	1/4	3,930.08	1/4	3,654.36	1/4	3,368.87	1/4	3,004.67	1/4	2,640.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,443.69	1/2	4,187.00	1/2	3,924.44	1/2	3,648.52	1/2	3,361.27	1/2	2,997.09	1/2	2,633.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,438.65	3/4	4,181.68	3/4	3,918.80	3/4	3,642.68	3/4	3,353.68	3/4	2,989.51	3/4	2,625.73
2		2		2		2		2	4,433.60	2	4,176.37	2	3,913.17	2	3,636.85	2	3,346.08	2	2,981.93	2	2,618.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,427.93	1/4	4,171.04	1/4	3,907.51	1/4	3,631.01	1/4	3,338.48	1/4	2,974.36	1/4	2,610.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,422.26	1/2	4,165.71	1/2	3,901.86	1/2	3,625.17	1/2	3,330.88	1/2	2,966.78	1/2	2,602.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,416.58	3/4	4,160.38	3/4	3,896.20	3/4	3,619.33	3/4	3,323.28	3/4	2,959.20	3/4	2,595.41
3		3		3		3		3	4,410.91	3	4,155.04	3	3,890.55	3	3,613.50	3	3,315.68	3	2,951.62	3	2,587.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,405.15	1/4	4,149.69	1/4	3,884.87	1/4	3,607.66	1/4	3,308.08	1/4	2,944.04	1/4	2,580.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,399.40	1/2	4,144.34	1/2	3,879.20	1/2	3,601.82	1/2	3,300.48	1/2	2,936.46	1/2	2,572.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,393.65	3/4	4,138.99	3/4	3,873.53	3/4	3,595.98	3/4	3,292.88	3/4	2,928.88	3/4	2,565.10
4		4		4		4		4	4,387.90	4	4,133.64	4	3,867.85	4	3,590.15	4	3,285.29	4	2,921.30	4	2,557.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,382.29	1/4	4,128.27	1/4	3,862.16	1/4	3,584.31	1/4	3,277.69	1/4	2,913.72	1/4	2,549.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,376.69	1/2	4,122.90	1/2	3,856.47	1/2	3,578.47	1/2	3,270.09	1/2	2,906.15	1/2	2,542.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,371.08	3/4	4,117.53	3/4	3,850.78	3/4	3,572.63	3/4	3,262.49	3/4	2,898.57	3/4	2,534.78
5		5		5		5		5	4,365.48	5	4,112.15	5	3,845.09	5	3,566.80	5	3,254.89	5	2,890.99	5	2,527.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,360.17	1/4	4,106.76	1/4	3,839.38	1/4	3,560.96	1/4	3,247.29	1/4	2,883.41	1/4	2,519.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,354.86	1/2	4,101.37	1/2	3,833.67	1/2	3,555.12	1/2	3,239.69	1/2	2,875.83	1/2	2,512.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,349.55	3/4	4,095.98	3/4	3,827.96	3/4	3,549.28	3/4	3,232.09	3/4	2,868.25	3/4	2,504.46
6		6		6		6		6	4,344.24	6	4,090.59	6	3,822.25	6	3,543.45	6	3,224.49	6	2,860.67	6	2,496.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,339.06	1/4	4,085.18	1/4	3,816.52	1/4	3,537.61	1/4	3,216.91	1/4	2,853.09	1/4	2,489.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,333.88	1/2	4,079.77	1/2	3,810.79	1/2	3,531.77	1/2	3,209.32	1/2	2,845.51	1/2	2,481.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,328.71	3/4	4,074.36	3/4	3,805.05	3/4	3,525.93	3/4	3,201.73	3/4	2,837.94	3/4	2,474.15
7		7		7		7		7	4,323.53	7	4,068.95	7	3,799.32	7	3,520.10	7	3,194.14	7	2,830.36	7	2,466.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,318.33	1/4	4,063.49	1/4	3,793.57	1/4	3,514.26	1/4	3,186.56	1/4	2,822.78	1/4	2,458.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,313.14	1/2	4,058.04	1/2	3,787.82	1/2	3,508.42	1/2	3,178.99	1/2	2,815.20	1/2	2,451.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,307.94	3/4	4,052.59	3/4	3,782.07	3/4	3,502.58	3/4	3,171.41	3/4	2,807.62	3/4	2,443.83
8		8		8		8		8	4,302.74	8	4,047.14	8	3,776.32	8	3,496.75	8	3,163.83	8	2,800.04	8	2,436.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,297.53	1/4	4,041.62	1/4	3,770.55	1/4	3,490.91	1/4	3,156.25	1/4	2,792.46	1/4	2,428.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,292.31	1/2	4,036.11	1/2	3,764.78	1/2	3,485.07	1/2	3,148.67	1/2	2,784.88	1/2	2,421.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,287.10	3/4	4,030.59	3/4	3,759.01	3/4	3,479.23	3/4	3,141.09	3/4	2,777.30	3/4	2,413.52
9		9		9		9		9	4,281.88	9	4,025.08	9	3,753.24	9	3,473.40	9	3,133.51	9	2,769.73	9	2,405.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,276.64	1/4	4,019.52	1/4	3,747.45	1/4	3,467.56	1/4	3,125.93	1/4	2,762.15	1/4	2,398.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,271.41	1/2	4,013.97	1/2	3,741.66	1/2	3,461.72	1/2	3,118.35	1/2	2,754.57	1/2	2,390.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,266.17	3/4	4,008.41	3/4	3,735.87	3/4	3,455.88	3/4	3,110.78	3/4	2,746.99	3/4	2,383.20
10		10		10		10		10	4,260.93	10	4,002.86	10	3,730.08	10	3,450.05	10	3,103.20	10	2,739.41	10	2,375.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,255.68	1/4	3,997.28	1/4	3,724.27	1/4	3,444.21	1/4	3,095.62	1/4	2,731.83	1/4	2,368.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,250.42	1/2	3,991.71	1/2	3,718.46	1/2	3,438.37	1/2	3,088.04	1/2	2,724.25	1/2	2,360.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,245.16	3/4	3,986.13	3/4	3,712.65	3/4	3,432.53	3/4	3,080.46	3/4	2,716.67	3/4	2,352.89
11		11		11		11		11	4,239.91	11	3,980.55	11	3,706.84	11	3,426.70	11	3,072.88	11	2,709.09	11	2,345.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,234.63	1/4	3,974.96	1/4	3,701.02	1/4	3,420.86	1/4	3,065.30	1/4	2,701.52	1/4	2,337.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,229.35	1/2	3,969.36	1/2	3,695.19	1/2	3,415.02	1/2	3,057.72	1/2	2,693.94	1/2	2,330.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,224.08	3/4	3,963.77	3/4	3,689.36	3/4	3,409.18	3/4	3,050.14	3/4	2,686.36	3/4	2,322.57

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'-09" OFF CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28084"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06"

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	2,314.99	0	1,951.20	0	1,587.46	0	1,228.21	0	873.33	0	516.71	0	151.91	0		0		0	
1/4	2,307.41	1/4	1,943.63	1/4	1,579.90	1/4	1,220.64	1/4	865.97	1/4	509.11	1/4	144.63	1/4	1/4	1/4		1/4	
1/2	2,299.83	1/2	1,936.05	1/2	1,572.34	1/2	1,213.08	1/2	858.61	1/2	501.51	1/2	137.34	1/2	1/2	1/2		1/2	
3/4	2,292.25	3/4	1,928.47	3/4	1,564.79	3/4	1,205.51	3/4	851.24	3/4	493.91	3/4	130.06	3/4	3/4	3/4		3/4	
1	2,284.68	1	1,920.89	1	1,557.23	1	1,197.95	1	843.88	1	486.31	1	122.78	1		1		1	
1/4	2,277.10	1/4	1,913.31	1/4	1,549.68	1/4	1,190.39	1/4	836.51	1/4	478.71	1/4	116.45	1/4	1/4	1/4		1/4	
1/2	2,269.52	1/2	1,905.73	1/2	1,542.12	1/2	1,182.82	1/2	829.13	1/2	471.11	1/2	110.11	1/2	1/2	1/2		1/2	
3/4	2,261.94	3/4	1,898.15	3/4	1,534.57	3/4	1,175.26	3/4	821.75	3/4	463.51	3/4	103.78	3/4	3/4	3/4		3/4	
2	2,254.36	2	1,890.57	2	1,527.01	2	1,167.69	2	814.38	2	455.91	2	97.45	2		2		2	
1/4	2,246.78	1/4	1,882.99	1/4	1,519.46	1/4	1,160.24	1/4	806.99	1/4	448.31	1/4	92.39	1/4	1/4	1/4		1/4	
1/2	2,239.20	1/2	1,875.41	1/2	1,511.90	1/2	1,152.78	1/2	799.60	1/2	440.71	1/2	87.33	1/2	1/2	1/2		1/2	
3/4	2,231.62	3/4	1,867.84	3/4	1,504.34	3/4	1,145.32	3/4	792.21	3/4	433.11	3/4	82.27	3/4	3/4	3/4		3/4	
3	2,224.04	3	1,860.26	3	1,496.79	3	1,137.86	3	784.82	3	425.51	3	77.21	3		3		3	
1/4	2,216.47	1/4	1,852.68	1/4	1,489.23	1/4	1,130.51	1/4	777.43	1/4	417.91	1/4	73.43	1/4	1/4	1/4		1/4	
1/2	2,208.89	1/2	1,845.10	1/2	1,481.68	1/2	1,123.16	1/2	770.04	1/2	410.31	1/2	69.65	1/2	1/2	1/2		1/2	
3/4	2,201.31	3/4	1,837.52	3/4	1,474.12	3/4	1,115.81	3/4	762.65	3/4	402.71	3/4	65.86	3/4	3/4	3/4		3/4	
4	2,193.73	4	1,829.94	4	1,466.57	4	1,108.46	4	755.26	4	395.11	4	62.08	4		4		4	
1/4	2,186.15	1/4	1,822.36	1/4	1,459.09	1/4	1,101.12	1/4	747.87	1/4	387.51	1/4	59.58	1/4	1/4	1/4		1/4	
1/2	2,178.57	1/2	1,814.78	1/2	1,451.62	1/2	1,093.77	1/2	740.49	1/2	379.91	1/2	57.09	1/2	1/2	1/2		1/2	
3/4	2,170.99	3/4	1,807.20	3/4	1,444.14	3/4	1,086.43	3/4	733.10	3/4	372.31	3/4	54.59	3/4	3/4	3/4		3/4	
5	2,163.41	5	1,799.62	5	1,436.67	5	1,079.09	5	725.71	5	364.71	5	52.09	5		5		5	
1/4	2,155.83	1/4	1,792.04	1/4	1,429.26	1/4	1,071.74	1/4	718.32	1/4	357.11	1/4	50.89	1/4	1/4	1/4		1/4	
1/2	2,148.26	1/2	1,784.47	1/2	1,421.86	1/2	1,064.40	1/2	710.93	1/2	349.51	1/2	49.69	1/2	1/2	1/2		1/2	
3/4	2,140.68	3/4	1,776.89	3/4	1,414.45	3/4	1,057.06	3/4	703.54	3/4	341.91	3/4	48.49	3/4	3/4	3/4		3/4	
6	2,133.10	6	1,769.31	6	1,407.05	6	1,049.72	6	696.15	6	334.31	6	47.30	6		6		6	
1/4	2,125.52	1/4	1,761.73	1/4	1,399.63	1/4	1,042.38	1/4	688.76	1/4	326.71	1/4		1/4	1/4	1/4		1/4	
1/2	2,117.94	1/2	1,754.15	1/2	1,392.21	1/2	1,035.04	1/2	681.37	1/2	319.11	1/2		1/2	1/2	1/2		1/2	
3/4	2,110.36	3/4	1,746.57	3/4	1,384.79	3/4	1,027.69	3/4	673.98	3/4	311.51	3/4		3/4	3/4	3/4		3/4	
7	2,102.78	7	1,738.99	7	1,377.37	7	1,020.35	7	666.60	7	303.91	7		7		7		7	
1/4	2,095.20	1/4	1,731.41	1/4	1,369.96	1/4	1,013.01	1/4	659.21	1/4	296.31	1/4		1/4	1/4	1/4		1/4	
1/2	2,087.62	1/2	1,723.83	1/2	1,362.54	1/2	1,005.67	1/2	651.82	1/2	288.71	1/2		1/2	1/2	1/2		1/2	
3/4	2,080.05	3/4	1,716.25	3/4	1,355.12	3/4	998.33	3/4	644.43	3/4	281.11	3/4		3/4	3/4	3/4		3/4	
8	2,072.47	8	1,708.67	8	1,347.70	8	990.98	8	637.04	8	273.51	8		8		8		8	
1/4	2,064.89	1/4	1,701.10	1/4	1,340.28	1/4	983.64	1/4	629.65	1/4	265.91	1/4		1/4	1/4	1/4		1/4	
1/2	2,057.31	1/2	1,693.52	1/2	1,332.87	1/2	976.30	1/2	622.26	1/2	258.31	1/2		1/2	1/2	1/2		1/2	
3/4	2,049.73	3/4	1,685.94	3/4	1,325.45	3/4	968.96	3/4	614.87	3/4	250.71	3/4		3/4	3/4	3/4		3/4	
9	2,042.15	9	1,678.36	9	1,318.03	9	961.62	9	607.48	9	243.11	9		9		9		9	
1/4	2,034.57	1/4	1,670.78	1/4	1,310.62	1/4	954.27	1/4	599.99	1/4	235.51	1/4		1/4	1/4	1/4		1/4	
1/2	2,026.99	1/2	1,663.20	1/2	1,303.21	1/2	946.91	1/2	592.49	1/2	227.91	1/2		1/2	1/2	1/2		1/2	
3/4	2,019.41	3/4	1,655.62	3/4	1,295.80	3/4	939.56	3/4	585.00	3/4	220.31	3/4		3/4	3/4	3/4		3/4	
10	2,011.84	10	1,648.04	10	1,288.39	10	932.21	10	577.51	10	212.71	10		10		10		10	
1/4	2,004.26	1/4	1,640.46	1/4	1,280.91	1/4	924.85	1/4	569.91	1/4	205.11	1/4		1/4	1/4	1/4		1/4	
1/2	1,996.68	1/2	1,632.88	1/2	1,273.43	1/2	917.49	1/2	562.31	1/2	197.51	1/2		1/2	1/2	1/2		1/2	
3/4	1,989.10	3/4	1,625.30	3/4	1,265.94	3/4	910.13	3/4	554.71	3/4	189.91	3/4		3/4	3/4	3/4		3/4	
11	1,981.52	11	1,617.73	11	1,258.46	11	902.77	11	547.11	11	182.31	11		11		11		11	
1/4	1,973.94	1/4	1,610.16	1/4	1,250.90	1/4	895.41	1/4	539.51	1/4	174.71	1/4		1/4	1/4	1/4		1/4	
1/2	1,966.36	1/2	1,602.59	1/2	1,243.33	1/2	888.05	1/2	531.91	1/2	167.11	1/2		1/2	1/2	1/2		1/2	
3/4	1,958.78	3/4	1,595.02	3/4	1,235.77	3/4	880.69	3/4	524.31	3/4	159.51	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/14/2006 CL - SW
CALCULATED: 09/15/2006 CL
PRINTED: 09/16/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2006

PRECISION MEASUREMENT
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BARGE "KIRBY 28084"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-06"

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	4,495.59	0	4,241.69	0	3,981.06	0	3,706.43	0	3,426.24	0	3,065.01	0	2,700.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,490.86	1/4	4,236.40	1/4	3,975.45	1/4	3,700.59	1/4	3,419.52	1/4	3,057.41	1/4	2,692.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,486.13	1/2	4,231.10	1/2	3,969.83	1/2	3,694.76	1/2	3,412.80	1/2	3,049.81	1/2	2,685.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,481.39	3/4	4,225.81	3/4	3,964.22	3/4	3,688.92	3/4	3,406.08	3/4	3,042.22	3/4	2,677.47
1		1		1		1	4,476.66	1	4,220.51	1	3,958.60	1	3,683.09	1	3,399.36	1	3,034.62	1	2,669.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,471.62	1/4	4,215.20	1/4	3,952.97	1/4	3,677.25	1/4	3,391.77	1/4	3,027.02	1/4	2,662.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,466.58	1/2	4,209.89	1/2	3,947.33	1/2	3,671.41	1/2	3,384.17	1/2	3,019.42	1/2	2,654.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,461.54	3/4	4,204.57	3/4	3,941.70	3/4	3,665.57	3/4	3,376.57	3/4	3,011.82	3/4	2,647.07
2		2		2		2	4,456.50	2	4,199.26	2	3,936.06	2	3,659.74	2	3,368.97	2	3,004.22	2	2,639.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,450.82	1/4	4,193.93	1/4	3,930.41	1/4	3,653.90	1/4	3,361.37	1/4	2,996.62	1/4	2,631.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,445.15	1/2	4,188.60	1/2	3,924.75	1/2	3,648.06	1/2	3,353.77	1/2	2,989.02	1/2	2,624.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,439.47	3/4	4,183.27	3/4	3,919.09	3/4	3,642.22	3/4	3,346.17	3/4	2,981.42	3/4	2,616.68
3		3		3		3	4,433.80	3	4,177.94	3	3,913.44	3	3,636.39	3	3,338.57	3	2,973.83	3	2,609.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,428.05	1/4	4,172.58	1/4	3,907.77	1/4	3,630.55	1/4	3,330.97	1/4	2,966.23	1/4	2,601.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,422.29	1/2	4,167.23	1/2	3,902.09	1/2	3,624.71	1/2	3,323.38	1/2	2,958.63	1/2	2,593.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,416.54	3/4	4,161.88	3/4	3,896.42	3/4	3,618.87	3/4	3,315.78	3/4	2,951.03	3/4	2,586.28
4		4		4		4	4,410.79	4	4,156.53	4	3,890.74	4	3,613.04	4	3,308.18	4	2,943.43	4	2,578.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,405.18	1/4	4,151.16	1/4	3,885.05	1/4	3,607.20	1/4	3,300.58	1/4	2,935.83	1/4	2,571.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,399.58	1/2	4,145.79	1/2	3,879.36	1/2	3,601.36	1/2	3,292.98	1/2	2,928.23	1/2	2,563.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,393.98	3/4	4,140.42	3/4	3,873.67	3/4	3,595.52	3/4	3,285.38	3/4	2,920.63	3/4	2,555.89
5		5		5		5	4,388.37	5	4,135.05	5	3,867.98	5	3,589.69	5	3,277.78	5	2,913.03	5	2,548.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,383.06	1/4	4,129.65	1/4	3,862.27	1/4	3,583.85	1/4	3,270.18	1/4	2,905.44	1/4	2,540.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,377.75	1/2	4,124.26	1/2	3,856.56	1/2	3,578.01	1/2	3,262.58	1/2	2,897.84	1/2	2,533.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,372.44	3/4	4,118.87	3/4	3,850.85	3/4	3,572.17	3/4	3,254.99	3/4	2,890.24	3/4	2,525.49
6		6		6		6	4,367.13	6	4,113.48	6	3,845.14	6	3,566.34	6	3,247.39	6	2,882.64	6	2,517.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,361.95	1/4	4,108.07	1/4	3,839.41	1/4	3,560.50	1/4	3,239.79	1/4	2,875.04	1/4	2,510.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,356.78	1/2	4,102.66	1/2	3,833.68	1/2	3,554.66	1/2	3,232.19	1/2	2,867.44	1/2	2,502.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,351.60	3/4	4,097.25	3/4	3,827.95	3/4	3,548.82	3/4	3,224.59	3/4	2,859.84	3/4	2,495.10
7		7		7		7	4,346.42	7	4,091.84	7	3,822.22	7	3,542.99	7	3,216.99	7	2,852.24	7	2,487.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,341.23	1/4	4,086.38	1/4	3,816.47	1/4	3,537.15	1/4	3,209.39	1/4	2,844.64	1/4	2,479.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,336.03	1/2	4,080.93	1/2	3,810.72	1/2	3,531.31	1/2	3,201.79	1/2	2,837.05	1/2	2,472.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,330.83	3/4	4,075.48	3/4	3,804.97	3/4	3,525.47	3/4	3,194.19	3/4	2,829.45	3/4	2,464.70
8		8		8		8	4,325.64	8	4,070.03	8	3,799.22	8	3,519.64	8	3,186.60	8	2,821.85	8	2,457.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,320.42	1/4	4,064.51	1/4	3,793.44	1/4	3,513.80	1/4	3,179.00	1/4	2,814.25	1/4	2,449.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,315.20	1/2	4,059.00	1/2	3,787.67	1/2	3,507.96	1/2	3,171.40	1/2	2,806.65	1/2	2,441.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,309.99	3/4	4,053.48	3/4	3,781.90	3/4	3,502.12	3/4	3,163.80	3/4	2,799.05	3/4	2,434.30
9		9		9		9	4,304.77	9	4,047.97	9	3,776.13	9	3,496.29	9	3,156.20	9	2,791.45	9	2,426.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,299.53	1/4	4,042.41	1/4	3,770.34	1/4	3,490.45	1/4	3,148.60	1/4	2,783.85	1/4	2,419.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,294.30	1/2	4,036.86	1/2	3,764.55	1/2	3,484.61	1/2	3,141.00	1/2	2,776.25	1/2	2,411.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,289.06	3/4	4,031.30	3/4	3,758.76	3/4	3,478.77	3/4	3,133.40	3/4	2,768.66	3/4	2,403.91
10		10		10		10	4,283.82	10	4,025.75	10	3,752.97	10	3,472.94	10	3,125.80	10	2,761.06	10	2,396.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.57	1/4	4,020.17	1/4	3,747.16	1/4	3,467.10	1/4	3,118.20	1/4	2,753.46	1/4	2,388.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,273.31	1/2	4,014.60	1/2	3,741.35	1/2	3,461.26	1/2	3,110.61	1/2	2,745.86	1/2	2,381.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,268.05	3/4	4,009.02	3/4	3,735.54	3/4	3,455.42	3/4	3,103.01	3/4	2,738.26	3/4	2,373.51
11		11		11		11	4,262.80	11	4,003.45	11	3,729.73	11	3,449.59	11	3,095.41	11	2,730.66	11	2,365.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,257.52	1/4	3,997.85	1/4	3,723.91	1/4	3,443.75	1/4	3,087.81	1/4	2,723.06	1/4	2,358.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,252.24	1/2	3,992.25	1/2	3,718.08	1/2	3,437.91	1/2	3,080.21	1/2	2,715.46	1/2	2,350.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,246.97	3/4	3,986.66	3/4	3,712.25	3/4	3,432.07	3/4	3,072.61	3/4	2,707.86	3/4	2,343.12

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'-09" OFF CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28084"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-06"

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	2,335.52	0	1,970.77	0	1,606.01	0	1,245.14	0	881.33	0	516.71	0	151.91	0		0		0	
1/4	2,327.92	1/4	1,963.17	1/4	1,598.41	1/4	1,237.54	1/4	873.75	1/4	509.11	1/4	144.63	1/4		1/4		1/4	
1/2	2,320.32	1/2	1,955.57	1/2	1,590.81	1/2	1,229.94	1/2	866.18	1/2	501.51	1/2	137.34	1/2		1/2		1/2	
3/4	2,312.72	3/4	1,947.97	3/4	1,583.22	3/4	1,222.34	3/4	858.61	3/4	493.91	3/4	130.06	3/4		3/4		3/4	
1	2,305.12	1	1,940.37	1	1,575.62	1	1,214.74	1	851.04	1	486.31	1	122.78	1		1		1	
1/4	2,297.52	1/4	1,932.77	1/4	1,568.02	1/4	1,207.14	1/4	843.45	1/4	478.71	1/4	116.45	1/4		1/4		1/4	
1/2	2,289.92	1/2	1,925.18	1/2	1,560.42	1/2	1,199.54	1/2	835.86	1/2	471.11	1/2	110.11	1/2		1/2		1/2	
3/4	2,282.33	3/4	1,917.58	3/4	1,552.82	3/4	1,191.94	3/4	828.28	3/4	463.51	3/4	103.78	3/4		3/4		3/4	
2	2,274.73	2	1,909.98	2	1,545.22	2	1,184.34	2	820.69	2	455.91	2	97.45	2		2		2	
1/4	2,267.13	1/4	1,902.38	1/4	1,537.62	1/4	1,176.74	1/4	813.09	1/4	448.31	1/4	92.39	1/4		1/4		1/4	
1/2	2,259.53	1/2	1,894.78	1/2	1,530.02	1/2	1,169.14	1/2	805.49	1/2	440.71	1/2	87.33	1/2		1/2		1/2	
3/4	2,251.93	3/4	1,887.18	3/4	1,522.42	3/4	1,161.54	3/4	797.89	3/4	433.11	3/4	82.27	3/4		3/4		3/4	
3	2,244.33	3	1,879.58	3	1,514.82	3	1,153.94	3	790.29	3	425.51	3	77.21	3		3		3	
1/4	2,236.73	1/4	1,871.98	1/4	1,507.22	1/4	1,146.35	1/4	782.69	1/4	417.91	1/4	73.43	1/4		1/4		1/4	
1/2	2,229.13	1/2	1,864.38	1/2	1,499.63	1/2	1,138.77	1/2	775.09	1/2	410.31	1/2	69.65	1/2		1/2		1/2	
3/4	2,221.53	3/4	1,856.78	3/4	1,492.03	3/4	1,131.18	3/4	767.49	3/4	402.71	3/4	65.86	3/4		3/4		3/4	
4	2,213.94	4	1,849.18	4	1,484.43	4	1,123.59	4	759.89	4	395.11	4	62.08	4		4		4	
1/4	2,206.34	1/4	1,841.59	1/4	1,476.91	1/4	1,116.02	1/4	752.29	1/4	387.51	1/4	59.58	1/4		1/4		1/4	
1/2	2,198.74	1/2	1,833.99	1/2	1,469.39	1/2	1,108.45	1/2	744.70	1/2	379.91	1/2	57.09	1/2		1/2		1/2	
3/4	2,191.14	3/4	1,826.39	3/4	1,461.87	3/4	1,100.88	3/4	737.10	3/4	372.31	3/4	54.59	3/4		3/4		3/4	
5	2,183.54	5	1,818.79	5	1,454.36	5	1,093.30	5	729.50	5	364.71	5	52.09	5		5		5	
1/4	2,175.94	1/4	1,811.19	1/4	1,446.92	1/4	1,085.73	1/4	721.90	1/4	357.11	1/4	50.89	1/4		1/4		1/4	
1/2	2,168.34	1/2	1,803.59	1/2	1,439.48	1/2	1,078.16	1/2	714.30	1/2	349.51	1/2	49.69	1/2		1/2		1/2	
3/4	2,160.74	3/4	1,795.99	3/4	1,432.04	3/4	1,070.59	3/4	706.70	3/4	341.91	3/4	48.49	3/4		3/4		3/4	
6	2,153.14	6	1,788.39	6	1,424.61	6	1,063.02	6	699.10	6	334.31	6	47.30	6		6		6	
1/4	2,145.55	1/4	1,780.79	1/4	1,417.17	1/4	1,055.45	1/4	691.50	1/4	326.71	1/4		1/4		1/4		1/4	
1/2	2,137.95	1/2	1,773.19	1/2	1,409.73	1/2	1,047.88	1/2	683.90	1/2	319.11	1/2		1/2		1/2		1/2	
3/4	2,130.35	3/4	1,765.59	3/4	1,402.30	3/4	1,040.31	3/4	676.30	3/4	311.51	3/4		3/4		3/4		3/4	
7	2,122.75	7	1,758.00	7	1,394.86	7	1,032.74	7	668.70	7	303.91	7	7	7		7		7	
1/4	2,115.15	1/4	1,750.40	1/4	1,387.42	1/4	1,025.17	1/4	661.10	1/4	296.31	1/4		1/4		1/4		1/4	
1/2	2,107.55	1/2	1,742.80	1/2	1,379.99	1/2	1,017.60	1/2	653.50	1/2	288.71	1/2		1/2		1/2		1/2	
3/4	2,099.95	3/4	1,735.20	3/4	1,372.55	3/4	1,010.03	3/4	645.90	3/4	281.11	3/4		3/4		3/4		3/4	
8	2,092.35	8	1,727.60	8	1,365.11	8	1,002.46	8	638.30	8	273.51	8	8	8		8		8	
1/4	2,084.75	1/4	1,720.00	1/4	1,357.67	1/4	994.89	1/4	630.70	1/4	265.91	1/4		1/4		1/4		1/4	
1/2	2,077.16	1/2	1,712.40	1/2	1,350.24	1/2	987.32	1/2	623.10	1/2	258.31	1/2		1/2		1/2		1/2	
3/4	2,069.56	3/4	1,704.80	3/4	1,342.80	3/4	979.74	3/4	615.50	3/4	250.71	3/4		3/4		3/4		3/4	
9	2,061.96	9	1,697.20	9	1,335.36	9	972.17	9	607.90	9	243.11	9	9	9		9		9	
1/4	2,054.36	1/4	1,689.60	1/4	1,327.92	1/4	964.60	1/4	600.30	1/4	235.51	1/4		1/4		1/4		1/4	
1/2	2,046.76	1/2	1,682.00	1/2	1,320.49	1/2	957.03	1/2	592.70	1/2	227.91	1/2		1/2		1/2		1/2	
3/4	2,039.16	3/4	1,674.40	3/4	1,313.05	3/4	949.46	3/4	585.11	3/4	220.31	3/4		3/4		3/4		3/4	
10	2,031.56	10	1,666.81	10	1,305.61	10	941.89	10	577.51	10	212.71	10	10	10		10		10	
1/4	2,023.96	1/4	1,659.21	1/4	1,298.09	1/4	934.32	1/4	569.91	1/4	205.11	1/4		1/4		1/4		1/4	
1/2	2,016.36	1/2	1,651.61	1/2	1,290.57	1/2	926.75	1/2	562.31	1/2	197.51	1/2		1/2		1/2		1/2	
3/4	2,008.77	3/4	1,644.01	3/4	1,283.06	3/4	919.18	3/4	554.71	3/4	189.91	3/4		3/4		3/4		3/4	
11	2,001.17	11	1,636.41	11	1,275.54	11	911.61	11	547.11	11	182.31	11	11	11		11		11	
1/4	1,993.57	1/4	1,628.81	1/4	1,267.94	1/4	904.04	1/4	539.51	1/4	174.71	1/4		1/4		1/4		1/4	
1/2	1,985.97	1/2	1,621.21	1/2	1,260.34	1/2	896.47	1/2	531.91	1/2	167.11	1/2		1/2		1/2		1/2	
3/4	1,978.37	3/4	1,613.61	3/4	1,252.74	3/4	888.90	3/4	524.31	3/4	159.51	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 09/15/2006 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2006

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