



BARGE "KIRBY 28137"

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	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-5/8	00-5/8
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
3 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-03"

February 17, 2010

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

<http://www.pmacorp.net>



BARGE "KIRBY 28137"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

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	4,231.53	0	3,943.36	0	3,641.11	0	3,324.84	0	2,995.91	0	2,664.27	0	2,332.61
1/4		1/4		1/4		1/4	4,225.64	1/4	3,937.23	1/4	3,634.66	1/4	3,318.10	1/4	2,989.00	1/4	2,657.36	1/4	2,325.70
1/2		1/2		1/2		1/2	4,219.74	1/2	3,931.09	1/2	3,628.21	1/2	3,311.37	1/2	2,982.09	1/2	2,650.45	1/2	2,318.79
3/4		3/4		3/4		3/4	4,213.84	3/4	3,924.95	3/4	3,621.76	3/4	3,304.63	3/4	2,975.18	3/4	2,643.54	3/4	2,311.88
1		1		1		1	4,207.93	1	3,918.79	1	3,615.28	1	3,297.87	1	2,968.27	1	2,636.63	1	2,304.96
1/4		1/4		1/4		1/4	4,202.01	1/4	3,912.63	1/4	3,608.80	1/4	3,291.11	1/4	2,961.36	1/4	2,629.72	1/4	2,298.05
1/2		1/2		1/2		1/2	4,196.10	1/2	3,906.47	1/2	3,602.32	1/2	3,284.35	1/2	2,954.45	1/2	2,622.81	1/2	2,291.14
3/4		3/4		3/4		3/4	4,190.18	3/4	3,900.31	3/4	3,595.84	3/4	3,277.60	3/4	2,947.55	3/4	2,615.90	3/4	2,284.23
2		2		2		2	4,184.25	2	3,894.12	2	3,589.34	2	3,270.81	2	2,940.64	2	2,608.99	2	2,277.32
1/4		1/4		1/4		1/4	4,178.31	1/4	3,887.94	1/4	3,582.84	1/4	3,264.02	1/4	2,933.73	1/4	2,602.09	1/4	2,270.41
1/2		1/2		1/2		1/2	4,172.37	1/2	3,881.75	1/2	3,576.34	1/2	3,257.23	1/2	2,926.82	1/2	2,595.18	1/2	2,263.50
3/4		3/4		3/4		3/4	4,166.44	3/4	3,875.56	3/4	3,569.84	3/4	3,250.44	3/4	2,919.91	3/4	2,588.27	3/4	2,256.59
3		3		3		3	4,160.47	3	3,869.35	3	3,563.32	3	3,243.63	3	2,913.00	3	2,581.36	3	2,249.68
1/4		1/4		1/4		1/4	4,154.51	1/4	3,863.15	1/4	3,556.80	1/4	3,236.83	1/4	2,906.09	1/4	2,574.45	1/4	2,242.77
1/2		1/2		1/2		1/2	4,148.54	1/2	3,856.94	1/2	3,550.28	1/2	3,230.02	1/2	2,899.18	1/2	2,567.54	1/2	2,235.86
3/4		3/4		3/4		3/4	4,142.58	3/4	3,850.73	3/4	3,543.75	3/4	3,223.21	3/4	2,892.27	3/4	2,560.63	3/4	2,228.95
4		4		4		4	4,136.63	4	3,844.47	4	3,537.20	4	3,216.39	4	2,885.36	4	2,553.72	4	2,222.04
1/4		1/4		1/4		1/4	4,130.68	1/4	3,838.20	1/4	3,530.66	1/4	3,209.56	1/4	2,878.45	1/4	2,546.81	1/4	2,215.13
1/2		1/2		1/2		1/2	4,124.73	1/2	3,831.94	1/2	3,524.11	1/2	3,202.73	1/2	2,871.54	1/2	2,539.90	1/2	2,208.22
3/4		3/4		3/4		3/4	4,118.78	3/4	3,825.67	3/4	3,517.56	3/4	3,195.90	3/4	2,864.64	3/4	2,532.99	3/4	2,201.31
5		5		5		5	4,112.80	5	3,819.38	5	3,510.99	5	3,189.04	5	2,857.73	5	2,526.08	5	2,194.40
1/4		1/4		1/4		1/4	4,106.83	1/4	3,813.09	1/4	3,504.42	1/4	3,182.19	1/4	2,850.82	1/4	2,519.18	1/4	2,187.49
1/2		1/2		1/2		1/2	4,100.86	1/2	3,806.80	1/2	3,497.85	1/2	3,175.33	1/2	2,843.91	1/2	2,512.27	1/2	2,180.58
3/4		3/4		3/4		3/4	4,094.88	3/4	3,800.51	3/4	3,491.28	3/4	3,168.47	3/4	2,837.00	3/4	2,505.36	3/4	2,173.67
6		6		6		6	4,088.88	6	3,794.20	6	3,484.68	6	3,161.59	6	2,830.09	6	2,498.45	6	2,166.76
1/4		1/4		1/4		1/4	4,082.89	1/4	3,787.89	1/4	3,478.08	1/4	3,154.72	1/4	2,823.18	1/4	2,491.54	1/4	2,159.85
1/2		1/2		1/2		1/2	4,076.89	1/2	3,781.58	1/2	3,471.48	1/2	3,147.84	1/2	2,816.27	1/2	2,484.63	1/2	2,152.94
3/4		3/4		3/4		3/4	4,070.89	3/4	3,775.26	3/4	3,464.88	3/4	3,140.96	3/4	2,809.36	3/4	2,477.72	3/4	2,146.03
7		7		7	4,363.54	7	4,064.87	7	3,768.92	7	3,458.26	7	3,134.06	7	2,802.45	7	2,470.81	7	2,139.12
1/4		1/4		1/4	4,358.36	1/4	4,058.84	1/4	3,762.58	1/4	3,451.64	1/4	3,127.17	1/4	2,795.54	1/4	2,463.90	1/4	2,132.20
1/2		1/2		1/2	4,353.18	1/2	4,052.82	1/2	3,756.24	1/2	3,445.02	1/2	3,120.27	1/2	2,788.63	1/2	2,456.99	1/2	2,125.29
3/4		3/4		3/4	4,347.99	3/4	4,046.80	3/4	3,749.90	3/4	3,438.41	3/4	3,113.37	3/4	2,781.72	3/4	2,450.08	3/4	2,118.38
8		8		8	4,341.08	8	4,040.75	8	3,743.54	8	3,431.77	8	3,106.46	8	2,774.82	8	2,443.17	8	2,111.47
1/4		1/4		1/4	4,334.17	1/4	4,034.70	1/4	3,737.18	1/4	3,425.13	1/4	3,099.55	1/4	2,767.91	1/4	2,436.26	1/4	2,104.56
1/2		1/2		1/2	4,327.26	1/2	4,028.66	1/2	3,730.82	1/2	3,418.49	1/2	3,092.64	1/2	2,761.00	1/2	2,429.35	1/2	2,097.65
3/4		3/4		3/4	4,320.35	3/4	4,022.61	3/4	3,724.46	3/4	3,411.85	3/4	3,085.73	3/4	2,754.09	3/4	2,422.44	3/4	2,090.74
9		9		9	4,313.44	9	4,016.54	9	3,718.08	9	3,405.18	9	3,078.82	9	2,747.18	9	2,415.53	9	2,083.83
1/4		1/4		1/4	4,306.53	1/4	4,010.47	1/4	3,711.69	1/4	3,398.51	1/4	3,071.91	1/4	2,740.27	1/4	2,408.62	1/4	2,076.92
1/2		1/2		1/2	4,299.62	1/2	4,004.40	1/2	3,705.31	1/2	3,391.84	1/2	3,065.00	1/2	2,733.36	1/2	2,401.71	1/2	2,070.01
3/4		3/4		3/4	4,292.71	3/4	3,998.33	3/4	3,698.93	3/4	3,385.17	3/4	3,058.09	3/4	2,726.45	3/4	2,394.80	3/4	2,063.10
10		10		10	4,285.80	10	3,992.24	10	3,692.52	10	3,378.48	10	3,051.18	10	2,719.54	10	2,387.89	10	2,056.19
1/4		1/4		1/4	4,278.89	1/4	3,986.15	1/4	3,686.11	1/4	3,371.80	1/4	3,044.27	1/4	2,712.63	1/4	2,380.98	1/4	2,049.28
1/2		1/2		1/2	4,271.98	1/2	3,980.06	1/2	3,679.70	1/2	3,365.11	1/2	3,037.37	1/2	2,705.72	1/2	2,374.07	1/2	2,042.37
3/4		3/4		3/4	4,265.07	3/4	3,973.97	3/4	3,673.29	3/4	3,358.42	3/4	3,030.46	3/4	2,698.81	3/4	2,367.16	3/4	2,035.46
11		11		11	4,258.16	11	3,967.86	11	3,666.86	11	3,351.71	11	3,023.55	11	2,691.91	11	2,360.25	11	2,028.55
1/4		1/4		1/4	4,251.25	1/4	3,961.74	1/4	3,660.43	1/4	3,345.00	1/4	3,016.64	1/4	2,685.00	1/4	2,353.34	1/4	2,021.64
1/2		1/2		1/2	4,244.34	1/2	3,955.62	1/2	3,654.00	1/2	3,338.29	1/2	3,009.73	1/2	2,678.09	1/2	2,346.43	1/2	2,014.73
3/4		3/4		3/4	4,237.43	3/4	3,949.50	3/4	3,647.57	3/4	3,331.58	3/4	3,002.82	3/4	2,671.18	3/4	2,339.52	3/4	2,007.82

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 37'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28137"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,000.91	0	1,669.21	0	1,337.51	0	1,006.00	0	688.04	0	393.16	0	121.89	0		0		0	
1/4	1,994.00	1/4	1,662.30	1/4	1,330.60	1/4	999.14	1/4	681.66	1/4	387.28	1/4	116.50	1/4		1/4		1/4	
1/2	1,987.09	1/2	1,655.39	1/2	1,323.69	1/2	992.28	1/2	675.29	1/2	381.39	1/2	111.10	1/2		1/2		1/2	
3/4	1,980.18	3/4	1,648.48	3/4	1,316.78	3/4	985.41	3/4	668.91	3/4	375.50	3/4	105.71	3/4		3/4		3/4	
1	1,973.27	1	1,641.57	1	1,309.87	1	978.58	1	662.57	1	369.66	1	100.36	1		1		1	
1/4	1,966.36	1/4	1,634.66	1/4	1,302.96	1/4	971.76	1/4	656.23	1/4	363.81	1/4	95.00	1/4		1/4		1/4	
1/2	1,959.44	1/2	1,627.75	1/2	1,296.05	1/2	964.93	1/2	649.89	1/2	357.96	1/2	89.65	1/2		1/2		1/2	
3/4	1,952.53	3/4	1,620.84	3/4	1,289.14	3/4	958.10	3/4	643.55	3/4	352.11	3/4	84.30	3/4		3/4		3/4	
2	1,945.62	2	1,613.92	2	1,282.23	2	951.32	2	637.25	2	346.31	2	78.99	2		2		2	
1/4	1,938.71	1/4	1,607.01	1/4	1,275.32	1/4	944.55	1/4	630.96	1/4	340.51	1/4	73.68	1/4		1/4		1/4	
1/2	1,931.80	1/2	1,600.10	1/2	1,268.40	1/2	937.78	1/2	624.66	1/2	334.70	1/2	68.37	1/2		1/2		1/2	
3/4	1,924.89	3/4	1,593.19	3/4	1,261.49	3/4	931.01	3/4	618.37	3/4	328.90	3/4	63.06	3/4		3/4		3/4	
3	1,917.98	3	1,586.28	3	1,254.58	3	924.27	3	612.11	3	323.13	3	57.79	3		3		3	
1/4	1,911.07	1/4	1,579.37	1/4	1,247.67	1/4	917.54	1/4	605.85	1/4	317.37	1/4	52.52	1/4		1/4		1/4	
1/2	1,904.16	1/2	1,572.46	1/2	1,240.76	1/2	910.81	1/2	599.60	1/2	311.60	1/2	47.25	1/2		1/2		1/2	
3/4	1,897.25	3/4	1,565.55	3/4	1,233.85	3/4	904.08	3/4	593.34	3/4	305.84	3/4	41.98	3/4		3/4		3/4	
4	1,890.34	4	1,558.64	4	1,226.94	4	897.38	4	587.12	4	300.12	4	37.62	4		4		4	
1/4	1,883.43	1/4	1,551.73	1/4	1,220.03	1/4	890.69	1/4	580.91	1/4	294.39	1/4	33.25	1/4		1/4		1/4	
1/2	1,876.52	1/2	1,544.82	1/2	1,213.12	1/2	884.00	1/2	574.70	1/2	288.67	1/2	28.89	1/2		1/2		1/2	
3/4	1,869.61	3/4	1,537.91	3/4	1,206.21	3/4	877.31	3/4	568.48	3/4	282.95	3/4	24.53	3/4		3/4		3/4	
5	1,862.70	5	1,531.00	5	1,199.30	5	870.66	5	562.31	5	277.27	5	21.93	5		5		5	
1/4	1,855.79	1/4	1,524.09	1/4	1,192.39	1/4	864.01	1/4	556.13	1/4	271.58	1/4	19.34	1/4		1/4		1/4	
1/2	1,848.88	1/2	1,517.18	1/2	1,185.48	1/2	857.36	1/2	549.96	1/2	265.90	1/2	16.74	1/2		1/2		1/2	
3/4	1,841.97	3/4	1,510.27	3/4	1,178.57	3/4	850.71	3/4	543.78	3/4	260.22	3/4	14.14	3/4		3/4		3/4	
6	1,835.06	6	1,503.36	6	1,171.66	6	844.10	6	537.65	6	254.58	6		6		6		6	
1/4	1,828.15	1/4	1,496.45	1/4	1,164.75	1/4	837.49	1/4	531.52	1/4	248.94	1/4		1/4		1/4		1/4	
1/2	1,821.24	1/2	1,489.54	1/2	1,157.84	1/2	830.88	1/2	525.39	1/2	243.30	1/2		1/2		1/2		1/2	
3/4	1,814.33	3/4	1,482.63	3/4	1,150.93	3/4	824.28	3/4	519.25	3/4	237.66	3/4		3/4		3/4		3/4	
7	1,807.42	7	1,475.72	7	1,144.02	7	817.71	7	513.16	7	232.06	7		7		7		7	
1/4	1,800.51	1/4	1,468.81	1/4	1,137.11	1/4	811.14	1/4	507.07	1/4	226.45	1/4		1/4		1/4		1/4	
1/2	1,793.60	1/2	1,461.90	1/2	1,130.20	1/2	804.57	1/2	500.97	1/2	220.85	1/2		1/2		1/2		1/2	
3/4	1,786.68	3/4	1,454.99	3/4	1,123.29	3/4	798.00	3/4	494.88	3/4	215.25	3/4		3/4		3/4		3/4	
8	1,779.77	8	1,448.08	8	1,116.38	8	791.47	8	488.83	8	209.69	8		8		8		8	
1/4	1,772.86	1/4	1,441.16	1/4	1,109.47	1/4	784.95	1/4	482.78	1/4	204.14	1/4		1/4		1/4		1/4	
1/2	1,765.95	1/2	1,434.25	1/2	1,102.56	1/2	778.42	1/2	476.73	1/2	198.58	1/2		1/2		1/2		1/2	
3/4	1,759.04	3/4	1,427.34	3/4	1,095.64	3/4	771.89	3/4	470.68	3/4	193.02	3/4		3/4		3/4		3/4	
9	1,752.13	9	1,420.43	9	1,088.74	9	765.41	9	464.67	9	187.50	9		9		9		9	
1/4	1,745.22	1/4	1,413.52	1/4	1,081.83	1/4	758.92	1/4	458.66	1/4	181.98	1/4		1/4		1/4		1/4	
1/2	1,738.31	1/2	1,406.61	1/2	1,074.92	1/2	752.43	1/2	452.65	1/2	176.46	1/2		1/2		1/2		1/2	
3/4	1,731.40	3/4	1,399.70	3/4	1,068.01	3/4	745.95	3/4	446.64	3/4	170.94	3/4		3/4		3/4		3/4	
10	1,724.49	10	1,392.79	10	1,061.11	10	739.49	10	440.67	10	165.46	10		10		10		10	
1/4	1,717.58	1/4	1,385.88	1/4	1,054.20	1/4	733.02	1/4	434.70	1/4	159.99	1/4		1/4		1/4		1/4	
1/2	1,710.67	1/2	1,378.97	1/2	1,047.30	1/2	726.56	1/2	428.73	1/2	154.51	1/2		1/2		1/2		1/2	
3/4	1,703.76	3/4	1,372.06	3/4	1,040.40	3/4	720.10	3/4	422.76	3/4	149.04	3/4		3/4		3/4		3/4	
11	1,696.85	11	1,365.15	11	1,033.52	11	713.68	11	416.84	11	143.60	11		11		11		11	
1/4	1,689.94	1/4	1,358.24	1/4	1,026.63	1/4	707.26	1/4	410.91	1/4	138.16	1/4		1/4		1/4		1/4	
1/2	1,683.03	1/2	1,351.33	1/2	1,019.75	1/2	700.84	1/2	404.98	1/2	132.72	1/2		1/2		1/2		1/2	
3/4	1,676.12	3/4	1,344.42	3/4	1,012.86	3/4	694.42	3/4	399.05	3/4	127.28	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/17/2010 CL - SW
CALCULATED: 02/17/2010 CL
PRINTED: 02/17/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2010

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



BARGE "KIRBY 28137"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0		0		0		0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
12		12		12		12		12		12		12		12		12		12	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
13		13		13		13		13		13		13		13		13		13	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 37'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 28137"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,986.10	0	1,654.27	0	1,322.43	0	990.98	0	675.54	0	381.53	0	111.15	0		0			
1/4	1,979.19	1/4	1,647.35	1/4	1,315.52	1/4	984.14	1/4	669.16	1/4	375.64	1/4	105.75	1/4		1/4			1/4
1/2	1,972.27	1/2	1,640.44	1/2	1,308.61	1/2	977.35	1/2	662.82	1/2	369.80	1/2	100.40	1/2		1/2			1/2
3/4	1,965.36	3/4	1,633.53	3/4	1,301.69	3/4	970.55	3/4	656.48	3/4	363.95	3/4	95.04	3/4		3/4			3/4
1	1,958.45	1	1,626.61	1	1,294.78	1	963.75	1	650.13	1	358.10	1	89.68	1		1			1
1/4	1,951.53	1/4	1,619.70	1/4	1,287.87	1/4	956.96	1/4	643.79	1/4	352.25	1/4	84.33	1/4		1/4			1/4
1/2	1,944.62	1/2	1,612.79	1/2	1,280.95	1/2	950.22	1/2	637.49	1/2	346.44	1/2	79.02	1/2		1/2			1/2
3/4	1,937.71	3/4	1,605.87	3/4	1,274.04	3/4	943.49	3/4	631.20	3/4	340.63	3/4	73.71	3/4		3/4			3/4
2	1,930.79	2	1,598.96	2	1,267.13	2	936.75	2	624.90	2	334.83	2	68.40	2		2			2
1/4	1,923.88	1/4	1,592.05	1/4	1,260.21	1/4	930.01	1/4	618.60	1/4	329.02	1/4	63.09	1/4		1/4			1/4
1/2	1,916.97	1/2	1,585.13	1/2	1,253.30	1/2	923.32	1/2	612.34	1/2	323.25	1/2	57.81	1/2		1/2			1/2
3/4	1,910.06	3/4	1,578.22	3/4	1,246.39	3/4	916.62	3/4	606.08	3/4	317.49	3/4	52.54	3/4		3/4			3/4
3	1,903.14	3	1,571.31	3	1,239.47	3	909.92	3	599.82	3	311.72	3	47.27	3		3			3
1/4	1,896.23	1/4	1,564.40	1/4	1,232.56	1/4	903.23	1/4	593.56	1/4	305.95	1/4	41.99	1/4		1/4			1/4
1/2	1,889.32	1/2	1,557.48	1/2	1,225.65	1/2	896.57	1/2	587.34	1/2	300.23	1/2	37.63	1/2		1/2			1/2
3/4	1,882.40	3/4	1,550.57	3/4	1,218.74	3/4	889.92	3/4	581.13	3/4	294.50	3/4	33.27	3/4		3/4			3/4
4	1,875.49	4	1,543.66	4	1,211.82	4	883.26	4	574.91	4	288.78	4	28.90	4		4			4
1/4	1,868.58	1/4	1,536.74	1/4	1,204.91	1/4	876.61	1/4	568.69	1/4	283.06	1/4	24.54	1/4		1/4			1/4
1/2	1,861.66	1/2	1,529.83	1/2	1,198.00	1/2	869.99	1/2	562.52	1/2	277.37	1/2	21.94	1/2		1/2			1/2
3/4	1,854.75	3/4	1,522.92	3/4	1,191.08	3/4	863.38	3/4	556.34	3/4	271.69	3/4	19.34	3/4		3/4			3/4
5	1,847.84	5	1,516.00	5	1,184.17	5	856.76	5	550.16	5	266.00	5	16.75	5		5			5
1/4	1,840.92	1/4	1,509.09	1/4	1,177.26	1/4	850.15	1/4	543.99	1/4	260.31	1/4	14.15	1/4		1/4			1/4
1/2	1,834.01	1/2	1,502.18	1/2	1,170.34	1/2	843.58	1/2	537.85	1/2	254.67	1/2		1/2		1/2			1/2
3/4	1,827.10	3/4	1,495.26	3/4	1,163.43	3/4	837.01	3/4	531.72	3/4	249.03	3/4		3/4		3/4			3/4
6	1,820.18	6	1,488.35	6	1,156.52	6	830.43	6	525.58	6	243.39	6		6		6			6
1/4	1,813.27	1/4	1,481.44	1/4	1,149.60	1/4	823.86	1/4	519.45	1/4	237.75	1/4		1/4		1/4			1/4
1/2	1,806.36	1/2	1,474.52	1/2	1,142.69	1/2	817.33	1/2	513.35	1/2	232.14	1/2		1/2		1/2			1/2
3/4	1,799.44	3/4	1,467.61	3/4	1,135.78	3/4	810.79	3/4	507.26	3/4	226.54	3/4		3/4		3/4			3/4
7	1,792.53	7	1,460.70	7	1,128.86	7	804.26	7	501.16	7	220.93	7		7		7			7
1/4	1,785.62	1/4	1,453.78	1/4	1,121.95	1/4	797.73	1/4	495.07	1/4	215.33	1/4		1/4		1/4			1/4
1/2	1,778.70	1/2	1,446.87	1/2	1,115.04	1/2	791.24	1/2	489.01	1/2	209.77	1/2		1/2		1/2			1/2
3/4	1,771.79	3/4	1,439.96	3/4	1,108.12	3/4	784.75	3/4	482.96	3/4	204.21	3/4		3/4		3/4			3/4
8	1,764.88	8	1,433.04	8	1,101.21	8	778.26	8	476.91	8	198.65	8		8		8			8
1/4	1,757.96	1/4	1,426.13	1/4	1,094.30	1/4	771.77	1/4	470.86	1/4	193.09	1/4		1/4		1/4			1/4
1/2	1,751.05	1/2	1,419.22	1/2	1,087.39	1/2	765.31	1/2	464.84	1/2	187.57	1/2		1/2		1/2			1/2
3/4	1,744.14	3/4	1,412.30	3/4	1,080.47	3/4	758.86	3/4	458.83	3/4	182.05	3/4		3/4		3/4			3/4
9	1,737.23	9	1,405.39	9	1,073.56	9	752.41	9	452.82	9	176.53	9		9		9			9
1/4	1,730.31	1/4	1,398.48	1/4	1,066.65	1/4	745.96	1/4	446.80	1/4	171.00	1/4		1/4		1/4			1/4
1/2	1,723.40	1/2	1,391.57	1/2	1,059.75	1/2	739.54	1/2	440.83	1/2	165.53	1/2		1/2		1/2			1/2
3/4	1,716.49	3/4	1,384.65	3/4	1,052.84	3/4	733.11	3/4	434.86	3/4	160.05	3/4		3/4		3/4			3/4
10	1,709.57	10	1,377.74	10	1,045.94	10	726.68	10	428.89	10	154.57	10		10		10			10
1/4	1,702.66	1/4	1,370.83	1/4	1,039.03	1/4	720.25	1/4	422.92	1/4	149.09	1/4		1/4		1/4			1/4
1/2	1,695.75	1/2	1,363.91	1/2	1,032.14	1/2	713.86	1/2	416.99	1/2	143.65	1/2		1/2		1/2			1/2
3/4	1,688.83	3/4	1,357.00	3/4	1,025.26	3/4	707.47	3/4	411.06	3/4	138.21	3/4		3/4		3/4			3/4
11	1,681.92	11	1,350.09	11	1,018.37	11	701.07	11	405.13	11	132.77	11		11		11			11
1/4	1,675.01	1/4	1,343.17	1/4	1,011.48	1/4	694.68	1/4	399.20	1/4	127.33	1/4		1/4		1/4			1/4
1/2	1,668.09	1/2	1,336.26	1/2	1,004.65	1/2	688.30	1/2	393.31	1/2	121.93	1/2		1/2		1/2			1/2
3/4	1,661.18	3/4	1,329.35	3/4	997.81	3/4	681.92	3/4	387.42	3/4	116.54	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/17/2010 CL - SW
CALCULATED: 02/17/2010 CL
PRINTED: 02/17/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2010

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



BARGE "KIRBY 28137"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
0	0	0	0	0	0	5,106.45	0	4,769.89	0	4,416.04	0	4,045.44	0	3,660.30	0	3,272.39	0	2,884.43		
1/4	1/4	1/4	1/4	1/4	1/4	5,099.56	1/4	4,762.75	1/4	4,408.49	1/4	4,037.56	1/4	3,652.22	1/4	3,264.31	1/4	2,876.35		
1/2	1/2	1/2	1/2	1/2	1/2	5,092.64	1/2	4,755.57	1/2	4,400.91	1/2	4,029.65	1/2	3,644.14	1/2	3,256.23	1/2	2,868.26		
3/4	3/4	3/4	3/4	3/4	3/4	5,085.72	3/4	4,748.40	3/4	4,393.34	3/4	4,021.75	3/4	3,636.06	3/4	3,248.14	3/4	2,860.18		
1	1	1	1	1	1	5,078.80	1	4,741.22	1	4,385.76	1	4,013.84	1	3,627.97	1	3,240.06	1	2,852.10		
1/4	1/4	1/4	1/4	1/4	1/4	5,071.88	1/4	4,734.05	1/4	4,378.18	1/4	4,005.94	1/4	3,619.89	1/4	3,231.98	1/4	2,844.01		
1/2	1/2	1/2	1/2	1/2	1/2	5,064.93	1/2	4,726.85	1/2	4,370.58	1/2	3,998.00	1/2	3,611.81	1/2	3,223.90	1/2	2,835.93		
3/4	3/4	3/4	3/4	3/4	3/4	5,057.99	3/4	4,719.64	3/4	4,362.97	3/4	3,990.06	3/4	3,603.73	3/4	3,215.82	3/4	2,827.84		
2	2	2	2	2	2	5,051.04	2	4,712.44	2	4,355.37	2	3,982.12	2	3,595.65	2	3,207.74	2	2,819.76		
1/4	1/4	1/4	1/4	1/4	1/4	5,044.10	1/4	4,705.23	1/4	4,347.77	1/4	3,974.18	1/4	3,587.57	1/4	3,199.66	1/4	2,811.68		
1/2	1/2	1/2	1/2	1/2	1/2	5,037.12	1/2	4,698.00	1/2	4,340.14	1/2	3,966.22	1/2	3,579.49	1/2	3,191.57	1/2	2,803.59		
3/4	3/4	3/4	3/4	3/4	3/4	5,030.14	3/4	4,690.77	3/4	4,332.51	3/4	3,958.25	3/4	3,571.40	3/4	3,183.49	3/4	2,795.51		
3	3	3	3	3	3	5,023.17	3	4,683.54	3	4,324.88	3	3,950.29	3	3,563.32	3	3,175.41	3	2,787.42		
1/4	1/4	1/4	1/4	1/4	1/4	5,016.19	1/4	4,676.31	1/4	4,317.25	1/4	3,942.33	1/4	3,555.24	1/4	3,167.33	1/4	2,779.34		
1/2	1/2	1/2	1/2	1/2	1/2	5,009.26	1/2	4,668.98	1/2	4,309.59	1/2	3,934.34	1/2	3,547.16	1/2	3,159.25	1/2	2,771.26		
3/4	3/4	3/4	3/4	3/4	3/4	5,002.33	3/4	4,661.66	3/4	4,301.93	3/4	3,926.36	3/4	3,539.08	3/4	3,151.17	3/4	2,763.17		
4	4	4	4	4	4	4,995.40	4	4,654.33	4	4,294.27	4	3,918.37	4	3,531.00	4	3,143.08	4	2,755.09		
1/4	1/4	1/4	1/4	1/4	1/4	4,988.47	1/4	4,647.00	1/4	4,286.61	1/4	3,910.38	1/4	3,522.92	1/4	3,135.00	1/4	2,747.00		
1/2	1/2	1/2	1/2	1/2	1/2	4,981.51	1/2	4,639.65	1/2	4,278.93	1/2	3,902.36	1/2	3,514.83	1/2	3,126.92	1/2	2,738.92		
3/4	3/4	3/4	3/4	3/4	3/4	4,974.56	3/4	4,632.29	3/4	4,271.24	3/4	3,894.34	3/4	3,506.75	3/4	3,118.84	3/4	2,730.84		
5	5	5	5	5	5	4,967.60	5	4,624.93	5	4,263.56	5	3,886.32	5	3,498.67	5	3,110.76	5	2,722.75		
1/4	1/4	1/4	1/4	1/4	1/4	4,960.64	1/4	4,617.57	1/4	4,255.87	1/4	3,878.30	1/4	3,490.59	1/4	3,102.68	1/4	2,714.67		
1/2	1/2	1/2	1/2	1/2	1/2	4,953.66	1/2	4,610.19	1/2	4,248.16	1/2	3,870.26	1/2	3,482.51	1/2	3,094.60	1/2	2,706.59		
3/4	3/4	3/4	3/4	3/4	3/4	4,946.67	3/4	4,602.81	3/4	4,240.44	3/4	3,862.21	3/4	3,474.43	3/4	3,086.51	3/4	2,698.50		
6	6	6	6	6	6	4,939.68	6	4,595.42	6	4,232.72	6	3,854.17	6	3,466.34	6	3,078.43	6	2,690.42		
1/4	1/4	1/4	1/4	1/4	1/4	4,932.70	1/4	4,588.04	1/4	4,225.00	1/4	3,846.13	1/4	3,458.26	1/4	3,070.35	1/4	2,682.33		
1/2	1/2	1/2	1/2	1/2	1/2	4,925.68	1/2	4,580.62	1/2	4,217.26	1/2	3,838.06	1/2	3,450.18	1/2	3,062.27	1/2	2,674.25		
3/4	3/4	3/4	3/4	3/4	3/4	5,268.61	3/4	4,918.67	3/4	4,573.21	3/4	4,209.52	3/4	3,829.99	3/4	3,442.10	3/4	3,054.19	3/4	2,666.17
7	7	7	7	7	7	5,262.55	7	4,911.66	7	4,565.79	7	4,201.77	7	3,821.92	7	3,434.02	7	3,046.11	7	2,658.08
1/4	1/4	1/4	1/4	1/4	1/4	5,256.48	1/4	4,904.65	1/4	4,558.37	1/4	4,194.03	1/4	3,813.85	1/4	3,425.94	1/4	3,038.03	1/4	2,650.00
1/2	1/2	1/2	1/2	1/2	1/2	5,248.40	1/2	4,897.60	1/2	4,550.93	1/2	4,186.27	1/2	3,805.77	1/2	3,417.86	1/2	3,029.94	1/2	2,641.91
3/4	3/4	3/4	3/4	3/4	3/4	5,240.32	3/4	4,890.56	3/4	4,543.49	3/4	4,178.50	3/4	3,797.69	3/4	3,409.77	3/4	3,021.86	3/4	2,633.83
8	8	8	8	8	8	5,232.23	8	4,883.51	8	4,536.05	8	4,170.73	8	3,789.60	8	3,401.69	8	3,013.77	8	2,625.75
1/4	1/4	1/4	1/4	1/4	1/4	5,224.15	1/4	4,876.47	1/4	4,528.61	1/4	4,162.97	1/4	3,781.52	1/4	3,393.61	1/4	3,005.69	1/4	2,617.66
1/2	1/2	1/2	1/2	1/2	1/2	5,216.06	1/2	4,869.40	1/2	4,521.15	1/2	4,155.17	1/2	3,773.44	1/2	3,385.53	1/2	2,997.61	1/2	2,609.58
3/4	3/4	3/4	3/4	3/4	3/4	5,207.98	3/4	4,862.34	3/4	4,513.68	3/4	4,147.37	3/4	3,765.36	3/4	3,377.45	3/4	2,989.52	3/4	2,601.49
9	9	9	9	9	9	5,199.90	9	4,855.27	9	4,506.22	9	4,139.57	9	3,757.28	9	3,369.37	9	2,981.44	9	2,593.41
1/4	1/4	1/4	1/4	1/4	1/4	5,191.81	1/4	4,848.20	1/4	4,498.75	1/4	4,131.77	1/4	3,749.20	1/4	3,361.29	1/4	2,973.35	1/4	2,585.33
1/2	1/2	1/2	1/2	1/2	1/2	5,183.73	1/2	4,841.11	1/2	4,491.26	1/2	4,123.94	1/2	3,741.12	1/2	3,353.20	1/2	2,965.27	1/2	2,577.24
3/4	3/4	3/4	3/4	3/4	3/4	5,175.64	3/4	4,834.02	3/4	4,483.76	3/4	4,116.12	3/4	3,733.03	3/4	3,345.12	3/4	2,957.19	3/4	2,569.16
10	10	10	10	10	10	5,167.56	10	4,826.93	10	4,476.26	10	4,108.30	10	3,724.95	10	3,337.04	10	2,949.10	10	2,561.08
1/4	1/4	1/4	1/4	1/4	1/4	5,159.48	1/4	4,819.84	1/4	4,468.76	1/4	4,100.47	1/4	3,716.87	1/4	3,328.96	1/4	2,941.02	1/4	2,552.99
1/2	1/2	1/2	1/2	1/2	1/2	5,151.39	1/2	4,812.71	1/2	4,461.24	1/2	4,092.63	1/2	3,708.79	1/2	3,320.88	1/2	2,932.93	1/2	2,544.91
3/4	3/4	3/4	3/4	3/4	3/4	5,143.31	3/4	4,805.59	3/4	4,453.72	3/4	4,084.78	3/4	3,700.71	3/4	3,312.80	3/4	2,924.85	3/4	2,536.82
11	11	11	11	11	11	5,135.22	11	4,798.46	11	4,446.20	11	4,076.93	11	3,692.63	11	3,304.71	11	2,916.77	11	2,528.74
1/4	1/4	1/4	1/4	1/4	1/4	5,127.14	1/4	4,791.34	1/4	4,438.68	1/4	4,069.08	1/4	3,684.55	1/4	3,296.63	1/4	2,908.68	1/4	2,520.66
1/2	1/2	1/2	1/2	1/2	1/2	5,120.24	1/2	4,784.19	1/2	4,431.13	1/2	4,061.20	1/2	3,676.46	1/2	3,288.55	1/2	2,900.60	1/2	2,512.57
3/4	3/4	3/4	3/4	3/4	3/4	5,113.35	3/4	4,777.04	3/4	4,423.59	3/4	4,053.32	3/4	3,668.38	3/4	3,280.47	3/4	2,892.52	3/4	2,504.49

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 44'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28137"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,496.40	0	2,108.38	0	1,720.35	0	1,332.32	0	944.30	0	557.12	0	169.51	0		0		0	
1/4	2,488.32	1/4	2,100.29	1/4	1,712.27	1/4	1,324.24	1/4	936.21	1/4	549.05	1/4	161.44	1/4		1/4		1/4	
1/2	2,480.24	1/2	2,092.21	1/2	1,704.18	1/2	1,316.15	1/2	928.13	1/2	540.97	1/2	153.36	1/2		1/2		1/2	
3/4	2,472.15	3/4	2,084.13	3/4	1,696.10	3/4	1,308.07	3/4	920.04	3/4	532.90	3/4	145.29	3/4		3/4		3/4	
1	2,464.07	1	2,076.04	1	1,688.01	1	1,299.99	1	911.96	1	524.82	1	137.21	1		1		1	
1/4	2,455.98	1/4	2,067.96	1/4	1,679.93	1/4	1,291.90	1/4	903.88	1/4	516.75	1/4	129.14	1/4		1/4		1/4	
1/2	2,447.90	1/2	2,059.87	1/2	1,671.85	1/2	1,283.82	1/2	895.80	1/2	508.67	1/2	121.06	1/2		1/2		1/2	
3/4	2,439.82	3/4	2,051.79	3/4	1,663.76	3/4	1,275.74	3/4	887.73	3/4	500.60	3/4	112.99	3/4		3/4		3/4	
2	2,431.73	2	2,043.71	2	1,655.68	2	1,267.65	2	879.66	2	492.52	2	104.91	2		2		2	
1/4	2,423.65	1/4	2,035.62	1/4	1,647.59	1/4	1,259.57	1/4	871.59	1/4	484.45	1/4	96.84	1/4		1/4		1/4	
1/2	2,415.56	1/2	2,027.54	1/2	1,639.51	1/2	1,251.48	1/2	863.53	1/2	476.37	1/2	88.76	1/2		1/2		1/2	
3/4	2,407.48	3/4	2,019.45	3/4	1,631.43	3/4	1,243.40	3/4	855.47	3/4	468.30	3/4	80.69	3/4		3/4		3/4	
3	2,399.40	3	2,011.37	3	1,623.34	3	1,235.32	3	847.41	3	460.22	3	72.61	3		3		3	
1/4	2,391.31	1/4	2,003.29	1/4	1,615.26	1/4	1,227.23	1/4	839.35	1/4	452.15	1/4	64.54	1/4		1/4		1/4	
1/2	2,383.23	1/2	1,995.20	1/2	1,607.17	1/2	1,219.15	1/2	831.29	1/2	444.07	1/2	57.47	1/2		1/2		1/2	
3/4	2,375.15	3/4	1,987.12	3/4	1,599.09	3/4	1,211.06	3/4	823.23	3/4	436.00	3/4	50.40	3/4		3/4		3/4	
4	2,367.06	4	1,979.03	4	1,591.01	4	1,202.98	4	815.17	4	427.92	4	43.34	4		4		4	
1/4	2,358.98	1/4	1,970.95	1/4	1,582.92	1/4	1,194.90	1/4	807.11	1/4	419.84	1/4	36.27	1/4		1/4		1/4	
1/2	2,350.89	1/2	1,962.87	1/2	1,574.84	1/2	1,186.81	1/2	799.05	1/2	411.77	1/2	31.23	1/2		1/2		1/2	
3/4	2,342.81	3/4	1,954.78	3/4	1,566.76	3/4	1,178.73	3/4	790.99	3/4	403.69	3/4	26.19	3/4		3/4		3/4	
5	2,334.73	5	1,946.70	5	1,558.67	5	1,170.64	5	782.93	5	395.62	5	21.14	5		5		5	
1/4	2,326.64	1/4	1,938.61	1/4	1,550.59	1/4	1,162.56	1/4	774.88	1/4	387.54	1/4	16.10	1/4		1/4		1/4	
1/2	2,318.56	1/2	1,930.53	1/2	1,542.50	1/2	1,154.48	1/2	766.82	1/2	379.47	1/2		1/2		1/2		1/2	
3/4	2,310.47	3/4	1,922.45	3/4	1,534.42	3/4	1,146.39	3/4	758.76	3/4	371.39	3/4		3/4		3/4		3/4	
6	2,302.39	6	1,914.36	6	1,526.34	6	1,138.31	6	750.70	6	363.32	6		6		6		6	
1/4	2,294.31	1/4	1,906.28	1/4	1,518.25	1/4	1,130.22	1/4	742.64	1/4	355.24	1/4		1/4		1/4		1/4	
1/2	2,286.22	1/2	1,898.20	1/2	1,510.17	1/2	1,122.14	1/2	734.58	1/2	347.17	1/2		1/2		1/2		1/2	
3/4	2,278.14	3/4	1,890.11	3/4	1,502.08	3/4	1,114.06	3/4	726.52	3/4	339.09	3/4		3/4		3/4		3/4	
7	2,270.05	7	1,882.03	7	1,494.00	7	1,105.97	7	718.46	7	331.02	7		7		7		7	
1/4	2,261.97	1/4	1,873.94	1/4	1,485.92	1/4	1,097.89	1/4	710.40	1/4	322.94	1/4		1/4		1/4		1/4	
1/2	2,253.89	1/2	1,865.86	1/2	1,477.83	1/2	1,089.81	1/2	702.34	1/2	314.87	1/2		1/2		1/2		1/2	
3/4	2,245.80	3/4	1,857.78	3/4	1,469.75	3/4	1,081.72	3/4	694.28	3/4	306.79	3/4		3/4		3/4		3/4	
8	2,237.72	8	1,849.69	8	1,461.66	8	1,073.64	8	686.22	8	298.72	8		8		8		8	
1/4	2,229.64	1/4	1,841.61	1/4	1,453.58	1/4	1,065.55	1/4	678.16	1/4	290.64	1/4		1/4		1/4		1/4	
1/2	2,221.55	1/2	1,833.52	1/2	1,445.50	1/2	1,057.47	1/2	670.10	1/2	282.57	1/2		1/2		1/2		1/2	
3/4	2,213.47	3/4	1,825.44	3/4	1,437.41	3/4	1,049.39	3/4	662.04	3/4	274.49	3/4		3/4		3/4		3/4	
9	2,205.38	9	1,817.36	9	1,429.33	9	1,041.30	9	653.98	9	266.42	9		9		9		9	
1/4	2,197.30	1/4	1,809.27	1/4	1,421.25	1/4	1,033.22	1/4	645.92	1/4	258.34	1/4		1/4		1/4		1/4	
1/2	2,189.22	1/2	1,801.19	1/2	1,413.16	1/2	1,025.13	1/2	637.85	1/2	250.27	1/2		1/2		1/2		1/2	
3/4	2,181.13	3/4	1,793.10	3/4	1,405.08	3/4	1,017.05	3/4	629.79	3/4	242.19	3/4		3/4		3/4		3/4	
10	2,173.05	10	1,785.02	10	1,396.99	10	1,008.97	10	621.72	10	234.12	10		10		10		10	
1/4	2,164.96	1/4	1,776.94	1/4	1,388.91	1/4	1,000.88	1/4	613.65	1/4	226.04	1/4		1/4		1/4		1/4	
1/2	2,156.88	1/2	1,768.85	1/2	1,380.83	1/2	992.80	1/2	605.57	1/2	217.96	1/2		1/2		1/2		1/2	
3/4	2,148.80	3/4	1,760.77	3/4	1,372.74	3/4	984.71	3/4	597.50	3/4	209.89	3/4		3/4		3/4		3/4	
11	2,140.71	11	1,752.69	11	1,364.66	11	976.63	11	589.42	11	201.81	11		11		11		11	
1/4	2,132.63	1/4	1,744.60	1/4	1,356.57	1/4	968.55	1/4	581.35	1/4	193.74	1/4		1/4		1/4		1/4	
1/2	2,124.54	1/2	1,736.52	1/2	1,348.49	1/2	960.46	1/2	573.27	1/2	185.66	1/2		1/2		1/2		1/2	
3/4	2,116.46	3/4	1,728.43	3/4	1,340.41	3/4	952.38	3/4	565.20	3/4	177.59	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/17/2010 CL - SW
CALCULATED: 02/17/2010 CL
PRINTED: 02/17/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2010

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



BARGE "KIRBY 28137"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	5,094.69	0	4,757.98	0	4,403.97	0	4,033.21	0	3,647.91	0	3,259.83	0	2,871.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,087.80	1/4	4,750.83	1/4	4,396.42	1/4	4,025.33	1/4	3,639.83	1/4	3,251.75	1/4	2,863.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,080.87	1/2	4,743.65	1/2	4,388.84	1/2	4,017.42	1/2	3,631.74	1/2	3,243.66	1/2	2,855.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,073.95	3/4	4,736.48	3/4	4,381.26	3/4	4,009.51	3/4	3,623.66	3/4	3,235.58	3/4	2,847.45		
1		1		1		1	5,067.03	1	4,729.30	1	4,373.67	1	4,001.60	1	3,615.57	1	3,227.49	1	2,839.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,060.10	1/4	4,722.12	1/4	4,366.09	1/4	3,993.69	1/4	3,607.49	1/4	3,219.41	1/4	2,831.27		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,053.15	1/2	4,714.91	1/2	4,358.49	1/2	3,985.75	1/2	3,599.40	1/2	3,211.32	1/2	2,823.19		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,046.21	3/4	4,707.70	3/4	4,350.88	3/4	3,977.81	3/4	3,591.32	3/4	3,203.24	3/4	2,815.10		
2		2		2		2	5,039.26	2	4,700.50	2	4,343.27	2	3,969.86	2	3,583.23	2	3,195.15	2	2,807.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,032.31	1/4	4,693.29	1/4	4,335.67	1/4	3,961.92	1/4	3,575.15	1/4	3,187.07	1/4	2,798.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,025.33	1/2	4,686.05	1/2	4,328.04	1/2	3,953.95	1/2	3,567.06	1/2	3,178.98	1/2	2,790.84		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,018.35	3/4	4,678.82	3/4	4,320.40	3/4	3,945.99	3/4	3,558.98	3/4	3,170.90	3/4	2,782.75		
3		3		3		3	5,011.37	3	4,671.59	3	4,312.77	3	3,938.02	3	3,550.89	3	3,162.81	3	2,774.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,004.39	1/4	4,664.35	1/4	4,305.14	1/4	3,930.06	1/4	3,542.81	1/4	3,154.73	1/4	2,766.58		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,997.46	1/2	4,657.02	1/2	4,297.48	1/2	3,922.07	1/2	3,534.72	1/2	3,146.64	1/2	2,758.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,990.52	3/4	4,649.69	3/4	4,289.81	3/4	3,914.08	3/4	3,526.64	3/4	3,138.56	3/4	2,750.40		
4		4		4		4	4,983.59	4	4,642.36	4	4,282.15	4	3,906.09	4	3,518.55	4	3,130.47	4	2,742.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,976.65	1/4	4,635.03	1/4	4,274.49	1/4	3,898.10	1/4	3,510.47	1/4	3,122.39	1/4	2,734.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,969.70	1/2	4,627.67	1/2	4,266.80	1/2	3,890.07	1/2	3,502.38	1/2	3,114.30	1/2	2,726.14		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,962.74	3/4	4,620.31	3/4	4,259.11	3/4	3,882.05	3/4	3,494.30	3/4	3,106.22	3/4	2,718.05		
5		5		5		5	4,955.78	5	4,612.95	5	4,251.42	5	3,874.02	5	3,486.21	5	3,098.13	5	2,709.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,948.82	1/4	4,605.59	1/4	4,243.74	1/4	3,866.00	1/4	3,478.13	1/4	3,090.05	1/4	2,701.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,941.83	1/2	4,598.21	1/2	4,236.01	1/2	3,857.95	1/2	3,470.04	1/2	3,081.96	1/2	2,693.79		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,934.84	3/4	4,590.82	3/4	4,228.29	3/4	3,849.91	3/4	3,461.96	3/4	3,073.88	3/4	2,685.70		
6		6		6		6	4,927.85	6	4,583.43	6	4,220.57	6	3,841.86	6	3,453.87	6	3,065.79	6	2,677.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,920.86	1/4	4,576.05	1/4	4,212.85	1/4	3,833.81	1/4	3,445.79	1/4	3,057.71	1/4	2,669.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,913.84	1/2	4,568.63	1/2	4,205.10	1/2	3,825.74	1/2	3,437.70	1/2	3,049.62	1/2	2,661.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,256.92	3/4	4,906.83	3/4	4,561.21	3/4	4,197.36	3/4	3,817.67	3/4	3,429.62	3/4	3,041.54	3/4	2,653.36
7		7		7		7	5,250.85	7	4,899.81	7	4,553.79	7	4,189.61	7	3,809.60	7	3,421.53	7	3,033.45	7	2,645.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,244.79	1/4	4,892.80	1/4	4,546.36	1/4	4,181.87	1/4	3,801.53	1/4	3,413.45	1/4	3,025.37	1/4	2,637.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,236.70	1/2	4,885.75	1/2	4,538.92	1/2	4,174.10	1/2	3,793.44	1/2	3,405.36	1/2	3,017.28	1/2	2,629.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,228.61	3/4	4,878.70	3/4	4,531.48	3/4	4,166.33	3/4	3,785.36	3/4	3,397.28	3/4	3,009.19	3/4	2,621.01
8		8		8		8	5,220.53	8	4,871.65	8	4,524.04	8	4,158.56	8	3,777.27	8	3,389.19	8	3,001.11	8	2,612.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,212.44	1/4	4,864.61	1/4	4,516.59	1/4	4,150.79	1/4	3,769.19	1/4	3,381.11	1/4	2,993.02	1/4	2,604.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,204.35	1/2	4,857.54	1/2	4,509.13	1/2	4,142.98	1/2	3,761.10	1/2	3,373.02	1/2	2,984.93	1/2	2,596.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,196.26	3/4	4,850.47	3/4	4,501.66	3/4	4,135.18	3/4	3,753.02	3/4	3,364.94	3/4	2,976.84	3/4	2,588.66
9		9		9		9	5,188.18	9	4,843.40	9	4,494.19	9	4,127.38	9	3,744.93	9	3,356.85	9	2,968.76	9	2,580.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,180.09	1/4	4,836.33	1/4	4,486.72	1/4	4,119.58	1/4	3,736.85	1/4	3,348.77	1/4	2,960.67	1/4	2,572.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,172.00	1/2	4,829.23	1/2	4,479.22	1/2	4,111.75	1/2	3,728.76	1/2	3,340.68	1/2	2,952.58	1/2	2,564.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,163.92	3/4	4,822.14	3/4	4,471.72	3/4	4,103.92	3/4	3,720.68	3/4	3,332.60	3/4	2,944.49	3/4	2,556.31
10		10		10		10	5,155.83	10	4,815.04	10	4,464.22	10	4,096.10	10	3,712.59	10	3,324.51	10	2,936.41	10	2,548.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,147.74	1/4	4,807.95	1/4	4,456.72	1/4	4,088.27	1/4	3,704.51	1/4	3,316.43	1/4	2,928.32	1/4	2,540.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,139.65	1/2	4,800.82	1/2	4,449.19	1/2	4,080.42	1/2	3,696.42	1/2	3,308.34	1/2	2,920.23	1/2	2,532.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,131.57	3/4	4,793.69	3/4	4,441.67	3/4	4,072.57	3/4	3,688.34	3/4	3,300.26	3/4	2,912.15	3/4	2,523.96
11		11		11		11	5,123.48	11	4,786.56	11	4,434.14	11	4,064.71	11	3,680.25	11	3,292.17	11	2,904.06	11	2,515.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,115.39	1/4	4,779.44	1/4	4,426.62	1/4	4,056.86	1/4	3,672.17	1/4	3,284.09	1/4	2,895.97	1/4	2,507.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,108.49	1/2	4,772.28	1/2	4,419.07	1/2	4,048.98	1/2	3,664.08	1/2	3,276.00	1/2	2,887.88	1/2	2,499.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,101.59	3/4	4,765.13	3/4	4,411.52	3/4	4,041.09	3/4	3,656.00	3/4	3,267.92	3/4	2,879.80	3/4	2,491.61

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 44'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28137"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,483.52	0	2,095.34	0	1,707.15	0	1,318.97	0	931.24	0	558.12	0	170.13	0		0		0	
1/4	2,475.44	1/4	2,087.25	1/4	1,699.07	1/4	1,310.88	1/4	923.30	1/4	550.19	1/4	162.04	1/4		1/4		1/4	
1/2	2,467.35	1/2	2,079.16	1/2	1,690.98	1/2	1,302.79	1/2	915.53	1/2	542.10	1/2	153.96	1/2		1/2		1/2	
3/4	2,459.26	3/4	2,071.08	3/4	1,682.89	3/4	1,294.71	3/4	907.75	3/4	534.01	3/4	145.87	3/4		3/4		3/4	
1	2,451.18	1	2,062.99	1	1,674.80	1	1,286.62	1	899.97	1	525.93	1	137.79	1		1		1	
1/4	2,443.09	1/4	2,054.90	1/4	1,666.72	1/4	1,278.53	1/4	892.19	1/4	517.84	1/4	129.70	1/4		1/4		1/4	
1/2	2,435.00	1/2	2,046.82	1/2	1,658.63	1/2	1,270.44	1/2	884.43	1/2	509.76	1/2	121.61	1/2		1/2		1/2	
3/4	2,426.91	3/4	2,038.73	3/4	1,650.54	3/4	1,262.36	3/4	876.67	3/4	501.67	3/4	113.53	3/4		3/4		3/4	
2	2,418.83	2	2,030.64	2	1,642.46	2	1,254.27	2	868.90	2	493.58	2	105.44	2		2		2	
1/4	2,410.74	1/4	2,022.55	1/4	1,634.37	1/4	1,246.18	1/4	861.14	1/4	485.50	1/4	97.35	1/4		1/4		1/4	
1/2	2,402.65	1/2	2,014.47	1/2	1,626.28	1/2	1,238.10	1/2	853.38	1/2	477.41	1/2	89.27	1/2		1/2		1/2	
3/4	2,394.57	3/4	2,006.38	3/4	1,618.19	3/4	1,230.01	3/4	845.63	3/4	469.32	3/4	81.18	3/4		3/4		3/4	
3	2,386.48	3	1,998.29	3	1,610.11	3	1,221.92	3	837.88	3	461.24	3	73.09	3		3		3	
1/4	2,378.39	1/4	1,990.21	1/4	1,602.02	1/4	1,213.83	1/4	830.13	1/4	453.15	1/4	65.01	1/4		1/4		1/4	
1/2	2,370.30	1/2	1,982.12	1/2	1,593.93	1/2	1,205.75	1/2	822.37	1/2	445.06	1/2	57.93	1/2		1/2		1/2	
3/4	2,362.22	3/4	1,974.03	3/4	1,585.85	3/4	1,197.66	3/4	814.62	3/4	436.98	3/4	50.85	3/4		3/4		3/4	
4	2,354.13	4	1,965.94	4	1,577.76	4	1,189.57	4	806.87	4	428.89	4	43.78	4		4		4	
1/4	2,346.04	1/4	1,957.86	1/4	1,569.67	1/4	1,181.49	1/4	799.11	1/4	420.81	1/4	36.70	1/4		1/4		1/4	
1/2	2,337.95	1/2	1,949.77	1/2	1,561.58	1/2	1,173.40	1/2	791.36	1/2	412.72	1/2	31.65	1/2		1/2		1/2	
3/4	2,329.87	3/4	1,941.68	3/4	1,553.50	3/4	1,165.31	3/4	783.61	3/4	404.63	3/4	26.59	3/4		3/4		3/4	
5	2,321.78	5	1,933.59	5	1,545.41	5	1,157.22	5	775.85	5	396.55	5	21.54	5		5		5	
1/4	2,313.69	1/4	1,925.51	1/4	1,537.32	1/4	1,149.14	1/4	768.10	1/4	388.46	1/4	16.48	1/4		1/4		1/4	
1/2	2,305.61	1/2	1,917.42	1/2	1,529.23	1/2	1,141.05	1/2	760.35	1/2	380.37	1/2		1/2		1/2		1/2	
3/4	2,297.52	3/4	1,909.33	3/4	1,521.15	3/4	1,132.96	3/4	752.59	3/4	372.29	3/4		3/4		3/4		3/4	
6	2,289.43	6	1,901.25	6	1,513.06	6	1,124.87	6	744.84	6	364.20	6		6		6		6	
1/4	2,281.34	1/4	1,893.16	1/4	1,504.97	1/4	1,116.79	1/4	737.09	1/4	356.12	1/4		1/4		1/4		1/4	
1/2	2,273.26	1/2	1,885.07	1/2	1,496.89	1/2	1,108.70	1/2	729.33	1/2	348.03	1/2		1/2		1/2		1/2	
3/4	2,265.17	3/4	1,876.98	3/4	1,488.80	3/4	1,100.61	3/4	721.58	3/4	339.94	3/4		3/4		3/4		3/4	
7	2,257.08	7	1,868.90	7	1,480.71	7	1,092.53	7	713.83	7	331.86	7		7		7		7	
1/4	2,249.00	1/4	1,860.81	1/4	1,472.62	1/4	1,084.44	1/4	706.07	1/4	323.77	1/4		1/4		1/4		1/4	
1/2	2,240.91	1/2	1,852.72	1/2	1,464.54	1/2	1,076.35	1/2	698.32	1/2	315.68	1/2		1/2		1/2		1/2	
3/4	2,232.82	3/4	1,844.64	3/4	1,456.45	3/4	1,068.26	3/4	690.57	3/4	307.60	3/4		3/4		3/4		3/4	
8	2,224.73	8	1,836.55	8	1,448.36	8	1,060.18	8	682.82	8	299.51	8		8		8		8	
1/4	2,216.65	1/4	1,828.46	1/4	1,440.28	1/4	1,052.09	1/4	675.07	1/4	291.42	1/4		1/4		1/4		1/4	
1/2	2,208.56	1/2	1,820.37	1/2	1,432.19	1/2	1,044.00	1/2	667.32	1/2	283.34	1/2		1/2		1/2		1/2	
3/4	2,200.47	3/4	1,812.29	3/4	1,424.10	3/4	1,035.92	3/4	659.57	3/4	275.25	3/4		3/4		3/4		3/4	
9	2,192.39	9	1,804.20	9	1,416.01	9	1,027.83	9	651.82	9	267.17	9		9		9		9	
1/4	2,184.30	1/4	1,796.11	1/4	1,407.93	1/4	1,019.74	1/4	644.07	1/4	259.08	1/4		1/4		1/4		1/4	
1/2	2,176.21	1/2	1,788.03	1/2	1,399.84	1/2	1,011.65	1/2	636.30	1/2	250.99	1/2		1/2		1/2		1/2	
3/4	2,168.12	3/4	1,779.94	3/4	1,391.75	3/4	1,003.57	3/4	628.54	3/4	242.91	3/4		3/4		3/4		3/4	
10	2,160.04	10	1,771.85	10	1,383.67	10	995.48	10	620.78	10	234.82	10		10		10		10	
1/4	2,151.95	1/4	1,763.76	1/4	1,375.58	1/4	987.39	1/4	613.02	1/4	226.73	1/4		1/4		1/4		1/4	
1/2	2,143.86	1/2	1,755.68	1/2	1,367.49	1/2	979.31	1/2	605.24	1/2	218.65	1/2		1/2		1/2		1/2	
3/4	2,135.77	3/4	1,747.59	3/4	1,359.40	3/4	971.22	3/4	597.47	3/4	210.56	3/4		3/4		3/4		3/4	
11	2,127.69	11	1,739.50	11	1,351.32	11	963.13	11	589.69	11	202.48	11		11		11		11	
1/4	2,119.60	1/4	1,731.41	1/4	1,343.23	1/4	955.04	1/4	581.92	1/4	194.39	1/4		1/4		1/4		1/4	
1/2	2,111.51	1/2	1,723.33	1/2	1,335.14	1/2	947.11	1/2	573.98	1/2	186.30	1/2		1/2		1/2		1/2	
3/4	2,103.43	3/4	1,715.24	3/4	1,327.05	3/4	939.17	3/4	566.05	3/4	178.22	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/17/2010 CL - SW
CALCULATED: 02/17/2010 CL
PRINTED: 02/17/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2010

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28137"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	4,496.67	0	4,240.54	0	3,971.56	0	3,690.12	0	3,395.53	0	3,039.43	0	2,678.30
1/4		1/4		1/4		1/4	4,491.42	1/4	4,235.08	1/4	3,965.81	1/4	3,684.12	1/4	3,388.70	1/4	3,031.91	1/4	2,670.78
1/2		1/2		1/2		1/2	4,486.17	1/2	4,229.62	1/2	3,960.06	1/2	3,678.12	1/2	3,381.87	1/2	3,024.39	1/2	2,663.25
3/4		3/4		3/4		3/4	4,480.92	3/4	4,224.16	3/4	3,954.31	3/4	3,672.13	3/4	3,375.04	3/4	3,016.86	3/4	2,655.73
1		1		1		1	4,475.68	1	4,218.70	1	3,948.56	1	3,666.13	1	3,368.22	1	3,009.34	1	2,648.20
1/4		1/4		1/4		1/4	4,470.41	1/4	4,213.22	1/4	3,942.79	1/4	3,660.10	1/4	3,361.11	1/4	3,001.82	1/4	2,640.68
1/2		1/2		1/2		1/2	4,465.14	1/2	4,207.73	1/2	3,937.02	1/2	3,654.08	1/2	3,354.01	1/2	2,994.29	1/2	2,633.15
3/4		3/4		3/4		3/4	4,459.87	3/4	4,202.25	3/4	3,931.25	3/4	3,648.05	3/4	3,346.90	3/4	2,986.77	3/4	2,625.63
2		2		2		2	4,454.60	2	4,196.76	2	3,925.48	2	3,642.03	2	3,339.79	2	2,979.25	2	2,618.11
1/4		1/4		1/4		1/4	4,449.31	1/4	4,191.26	1/4	3,919.69	1/4	3,635.99	1/4	3,332.41	1/4	2,971.73	1/4	2,610.58
1/2		1/2		1/2		1/2	4,444.01	1/2	4,185.76	1/2	3,913.91	1/2	3,629.95	1/2	3,325.03	1/2	2,964.20	1/2	2,603.06
3/4		3/4		3/4		3/4	4,438.72	3/4	4,180.26	3/4	3,908.12	3/4	3,623.91	3/4	3,317.64	3/4	2,956.68	3/4	2,595.53
3		3		3		3	4,433.43	3	4,174.76	3	3,902.33	3	3,617.87	3	3,310.26	3	2,949.16	3	2,588.01
1/4		1/4		1/4		1/4	4,428.15	1/4	4,169.20	1/4	3,896.52	1/4	3,611.81	1/4	3,302.74	1/4	2,941.63	1/4	2,580.48
1/2		1/2		1/2		1/2	4,422.88	1/2	4,163.64	1/2	3,890.71	1/2	3,605.75	1/2	3,295.21	1/2	2,934.11	1/2	2,572.96
3/4		3/4		3/4		3/4	4,417.60	3/4	4,158.08	3/4	3,884.90	3/4	3,599.69	3/4	3,287.69	3/4	2,926.59	3/4	2,565.43
4		4		4		4	4,412.33	4	4,152.52	4	3,879.08	4	3,593.63	4	3,280.17	4	2,919.06	4	2,557.91
1/4		1/4		1/4		1/4	4,407.04	1/4	4,146.94	1/4	3,873.25	1/4	3,587.54	1/4	3,272.65	1/4	2,911.54	1/4	2,550.39
1/2		1/2		1/2		1/2	4,401.74	1/2	4,141.35	1/2	3,867.42	1/2	3,581.46	1/2	3,265.12	1/2	2,904.02	1/2	2,542.86
3/4		3/4		3/4		3/4	4,396.45	3/4	4,135.77	3/4	3,861.59	3/4	3,575.37	3/4	3,257.60	3/4	2,896.50	3/4	2,535.34
5		5		5		5	4,391.15	5	4,130.19	5	3,855.76	5	3,569.28	5	3,250.08	5	2,888.97	5	2,527.81
1/4		1/4		1/4		1/4	4,385.84	1/4	4,124.59	1/4	3,849.90	1/4	3,563.18	1/4	3,242.55	1/4	2,881.45	1/4	2,520.29
1/2		1/2		1/2		1/2	4,380.52	1/2	4,118.99	1/2	3,844.05	1/2	3,557.08	1/2	3,235.03	1/2	2,873.93	1/2	2,512.76
3/4		3/4		3/4		3/4	4,375.20	3/4	4,113.39	3/4	3,838.19	3/4	3,550.98	3/4	3,227.51	3/4	2,866.40	3/4	2,505.24
6		6		6		6	4,369.88	6	4,107.78	6	3,832.33	6	3,544.87	6	3,219.98	6	2,858.88	6	2,497.72
1/4		1/4		1/4		1/4	4,364.55	1/4	4,102.16	1/4	3,826.46	1/4	3,538.75	1/4	3,212.46	1/4	2,851.36	1/4	2,490.19
1/2		1/2		1/2	4,624.93	1/2	4,359.21	1/2	4,096.53	1/2	3,820.59	1/2	3,532.63	1/2	3,204.94	1/2	2,843.83	1/2	2,482.67
3/4		3/4		3/4	4,620.33	3/4	4,353.87	3/4	4,090.90	3/4	3,814.71	3/4	3,526.51	3/4	3,197.42	3/4	2,836.31	3/4	2,475.14
7		7		7	4,615.73	7	4,348.54	7	4,085.27	7	3,808.84	7	3,520.39	7	3,189.89	7	2,828.79	7	2,467.62
1/4		1/4		1/4	4,609.59	1/4	4,343.18	1/4	4,079.63	1/4	3,802.95	1/4	3,514.25	1/4	3,182.37	1/4	2,821.26	1/4	2,460.09
1/2		1/2		1/2	4,603.46	1/2	4,337.82	1/2	4,073.98	1/2	3,797.05	1/2	3,508.12	1/2	3,174.85	1/2	2,813.74	1/2	2,452.57
3/4		3/4		3/4	4,597.33	3/4	4,332.45	3/4	4,068.34	3/4	3,791.16	3/4	3,501.99	3/4	3,167.32	3/4	2,806.22	3/4	2,445.04
8		8		8	4,591.20	8	4,327.09	8	4,062.70	8	3,785.27	8	3,495.86	8	3,159.80	8	2,798.69	8	2,437.52
1/4		1/4		1/4	4,585.06	1/4	4,321.71	1/4	4,057.03	1/4	3,779.35	1/4	3,489.73	1/4	3,152.28	1/4	2,791.17	1/4	2,430.00
1/2		1/2		1/2	4,578.93	1/2	4,316.34	1/2	4,051.37	1/2	3,773.43	1/2	3,483.60	1/2	3,144.75	1/2	2,783.64	1/2	2,422.47
3/4		3/4		3/4	4,572.80	3/4	4,310.96	3/4	4,045.70	3/4	3,767.52	3/4	3,477.46	3/4	3,137.23	3/4	2,776.12	3/4	2,414.95
9		9		9	4,566.66	9	4,305.58	9	4,040.04	9	3,761.60	9	3,471.33	9	3,129.71	9	2,768.59	9	2,407.42
1/4		1/4		1/4	4,560.53	1/4	4,300.18	1/4	4,034.35	1/4	3,755.66	1/4	3,465.20	1/4	3,122.19	1/4	2,761.07	1/4	2,399.90
1/2		1/2		1/2	4,554.40	1/2	4,294.78	1/2	4,028.66	1/2	3,749.73	1/2	3,459.07	1/2	3,114.66	1/2	2,753.54	1/2	2,392.37
3/4		3/4		3/4	4,548.27	3/4	4,289.39	3/4	4,022.97	3/4	3,743.79	3/4	3,452.94	3/4	3,107.14	3/4	2,746.02	3/4	2,384.85
10		10		10	4,542.13	10	4,283.99	10	4,017.29	10	3,737.85	10	3,446.81	10	3,099.62	10	2,738.50	10	2,377.32
1/4		1/4		1/4	4,536.00	1/4	4,278.57	1/4	4,011.58	1/4	3,731.90	1/4	3,440.53	1/4	3,092.09	1/4	2,730.97	1/4	2,369.80
1/2		1/2		1/2	4,529.87	1/2	4,273.14	1/2	4,005.87	1/2	3,725.94	1/2	3,434.26	1/2	3,084.57	1/2	2,723.45	1/2	2,362.28
3/4		3/4		3/4	4,523.73	3/4	4,267.72	3/4	4,000.17	3/4	3,719.99	3/4	3,427.99	3/4	3,077.05	3/4	2,715.92	3/4	2,354.75
11		11		11	4,517.60	11	4,262.30	11	3,994.46	11	3,714.03	11	3,421.72	11	3,069.52	11	2,708.40	11	2,347.23
1/4		1/4		1/4	4,512.37	1/4	4,256.86	1/4	3,988.73	1/4	3,708.06	1/4	3,415.17	1/4	3,062.00	1/4	2,700.87	1/4	2,339.70
1/2		1/2		1/2	4,507.14	1/2	4,251.42	1/2	3,983.01	1/2	3,702.08	1/2	3,408.62	1/2	3,054.48	1/2	2,693.35	1/2	2,332.18
3/4		3/4		3/4	4,501.91	3/4	4,245.98	3/4	3,977.28	3/4	3,696.10	3/4	3,402.08	3/4	3,046.96	3/4	2,685.83	3/4	2,324.65

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 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 28137"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,317.13	0	1,955.96	0	1,594.79	0	1,233.62	0	873.24	0	512.08	0	150.93	0		0			
1/4	2,309.61	1/4	1,948.43	1/4	1,587.26	1/4	1,226.09	1/4	865.72	1/4	504.56	1/4	143.40	1/4		1/4			
1/2	2,302.08	1/2	1,940.91	1/2	1,579.74	1/2	1,218.57	1/2	858.19	1/2	497.04	1/2	135.88	1/2		1/2			
3/4	2,294.56	3/4	1,933.39	3/4	1,572.21	3/4	1,211.04	3/4	850.67	3/4	489.51	3/4	128.36	3/4		3/4			
1	2,287.03	1	1,925.86	1	1,564.69	1	1,203.52	1	843.15	1	481.99	1	120.83	1		1			
1/4	2,279.51	1/4	1,918.34	1/4	1,557.17	1/4	1,195.99	1/4	835.62	1/4	474.46	1/4	113.31	1/4		1/4			
1/2	2,271.98	1/2	1,910.81	1/2	1,549.64	1/2	1,188.47	1/2	828.10	1/2	466.94	1/2	105.78	1/2		1/2			
3/4	2,264.46	3/4	1,903.29	3/4	1,542.12	3/4	1,180.95	3/4	820.57	3/4	459.42	3/4	98.26	3/4		3/4			
2	2,256.93	2	1,895.76	2	1,534.59	2	1,173.42	2	813.05	2	451.89	2	90.74	2		2			
1/4	2,249.41	1/4	1,888.24	1/4	1,527.07	1/4	1,165.90	1/4	805.52	1/4	444.37	1/4	83.21	1/4		1/4			
1/2	2,241.89	1/2	1,880.71	1/2	1,519.54	1/2	1,158.37	1/2	798.00	1/2	436.84	1/2	75.69	1/2		1/2			
3/4	2,234.36	3/4	1,873.19	3/4	1,512.02	3/4	1,150.85	3/4	790.48	3/4	429.32	3/4	68.16	3/4		3/4			
3	2,226.84	3	1,865.67	3	1,504.49	3	1,143.32	3	782.95	3	421.80	3	60.64	3		3			
1/4	2,219.31	1/4	1,858.14	1/4	1,496.97	1/4	1,135.80	1/4	775.43	1/4	414.27	1/4	54.05	1/4		1/4			
1/2	2,211.79	1/2	1,850.62	1/2	1,489.45	1/2	1,128.27	1/2	767.90	1/2	406.75	1/2	47.47	1/2		1/2			
3/4	2,204.26	3/4	1,843.09	3/4	1,481.92	3/4	1,120.75	3/4	760.38	3/4	399.22	3/4	40.89	3/4		3/4			
4	2,196.74	4	1,835.57	4	1,474.40	4	1,113.23	4	752.86	4	391.70	4	34.30	4		4			
1/4	2,189.21	1/4	1,828.04	1/4	1,466.87	1/4	1,105.73	1/4	745.33	1/4	384.18	1/4	29.60	1/4		1/4			
1/2	2,181.69	1/2	1,820.52	1/2	1,459.35	1/2	1,098.23	1/2	737.81	1/2	376.65	1/2	24.90	1/2		1/2			
3/4	2,174.17	3/4	1,812.99	3/4	1,451.82	3/4	1,090.73	3/4	730.28	3/4	369.13	3/4	20.19	3/4		3/4			
5	2,166.64	5	1,805.47	5	1,444.30	5	1,083.23	5	722.76	5	361.60	5	15.49	5		5			
1/4	2,159.12	1/4	1,797.95	1/4	1,436.77	1/4	1,075.73	1/4	715.24	1/4	354.08	1/4		1/4		1/4			
1/2	2,151.59	1/2	1,790.42	1/2	1,429.25	1/2	1,068.23	1/2	707.71	1/2	346.55	1/2		1/2		1/2			
3/4	2,144.07	3/4	1,782.90	3/4	1,421.73	3/4	1,060.73	3/4	700.19	3/4	339.03	3/4		3/4		3/4			
6	2,136.54	6	1,775.37	6	1,414.20	6	1,053.23	6	692.66	6	331.51	6		6		6			
1/4	2,129.02	1/4	1,767.85	1/4	1,406.68	1/4	1,045.73	1/4	685.14	1/4	323.98	1/4		1/4		1/4			
1/2	2,121.50	1/2	1,760.32	1/2	1,399.15	1/2	1,038.23	1/2	677.62	1/2	316.46	1/2		1/2		1/2			
3/4	2,113.97	3/4	1,752.80	3/4	1,391.63	3/4	1,030.73	3/4	670.09	3/4	308.93	3/4		3/4		3/4			
7	2,106.45	7	1,745.28	7	1,384.10	7	1,023.23	7	662.57	7	301.41	7		7		7			
1/4	2,098.92	1/4	1,737.75	1/4	1,376.58	1/4	1,015.73	1/4	655.04	1/4	293.89	1/4		1/4		1/4			
1/2	2,091.40	1/2	1,730.23	1/2	1,369.06	1/2	1,008.23	1/2	647.52	1/2	286.36	1/2		1/2		1/2			
3/4	2,083.87	3/4	1,722.70	3/4	1,361.53	3/4	1,000.73	3/4	639.99	3/4	278.84	3/4		3/4		3/4			
8	2,076.35	8	1,715.18	8	1,354.01	8	993.23	8	632.47	8	271.31	8		8		8			
1/4	2,068.82	1/4	1,707.65	1/4	1,346.48	1/4	985.73	1/4	624.95	1/4	263.79	1/4		1/4		1/4			
1/2	2,061.30	1/2	1,700.13	1/2	1,338.96	1/2	978.23	1/2	617.42	1/2	256.27	1/2		1/2		1/2			
3/4	2,053.78	3/4	1,692.60	3/4	1,331.43	3/4	970.74	3/4	609.90	3/4	248.74	3/4		3/4		3/4			
9	2,046.25	9	1,685.08	9	1,323.91	9	963.24	9	602.37	9	241.22	9		9		9			
1/4	2,038.73	1/4	1,677.56	1/4	1,316.38	1/4	955.74	1/4	594.85	1/4	233.69	1/4		1/4		1/4			
1/2	2,031.20	1/2	1,670.03	1/2	1,308.86	1/2	948.24	1/2	587.33	1/2	226.17	1/2		1/2		1/2			
3/4	2,023.68	3/4	1,662.51	3/4	1,301.34	3/4	940.74	3/4	579.80	3/4	218.65	3/4		3/4		3/4			
10	2,016.15	10	1,654.98	10	1,293.81	10	933.24	10	572.28	10	211.12	10		10		10			
1/4	2,008.63	1/4	1,647.46	1/4	1,286.29	1/4	925.74	1/4	564.75	1/4	203.60	1/4		1/4		1/4			
1/2	2,001.10	1/2	1,639.93	1/2	1,278.76	1/2	918.24	1/2	557.23	1/2	196.07	1/2		1/2		1/2			
3/4	1,993.58	3/4	1,632.41	3/4	1,271.24	3/4	910.74	3/4	549.71	3/4	188.55	3/4		3/4		3/4			
11	1,986.06	11	1,624.88	11	1,263.71	11	903.24	11	542.18	11	181.02	11		11		11			
1/4	1,978.53	1/4	1,617.36	1/4	1,256.19	1/4	895.74	1/4	534.66	1/4	173.50	1/4		1/4		1/4			
1/2	1,971.01	1/2	1,609.84	1/2	1,248.66	1/2	888.24	1/2	527.13	1/2	165.98	1/2		1/2		1/2			
3/4	1,963.48	3/4	1,602.31	3/4	1,241.14	3/4	880.74	3/4	519.61	3/4	158.45	3/4		3/4		3/4			

STRAPPED: 02/17/2010 CL - SW
CALCULATED: 02/17/2010 CL
PRINTED: 02/17/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28137"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,476.62	0	4,220.84	0	3,952.30	0	3,671.28	0	3,377.43	0	3,023.02	0	2,662.77
1/4		1/4		1/4	1/4	1/4	4,471.39	1/4	4,215.40	1/4	3,946.58	1/4	3,665.31	1/4	3,370.89	1/4	3,015.51	1/4	2,655.27
1/2		1/2		1/2	1/2	1/2	4,466.14	1/2	4,209.95	1/2	3,940.83	1/2	3,659.31	1/2	3,364.07	1/2	3,008.01	1/2	2,647.76
3/4		3/4		3/4	3/4	3/4	4,460.90	3/4	4,204.49	3/4	3,935.09	3/4	3,653.32	3/4	3,357.24	3/4	3,000.50	3/4	2,640.25
1		1		1		1	4,455.65	1	4,199.03	1	3,929.34	1	3,647.33	1	3,350.42	1	2,993.00	1	2,632.75
1/4		1/4		1/4	1/4	1/4	4,450.40	1/4	4,193.58	1/4	3,923.59	1/4	3,641.33	1/4	3,343.59	1/4	2,985.49	1/4	2,625.24
1/2		1/2		1/2	1/2	1/2	4,445.14	1/2	4,188.10	1/2	3,917.83	1/2	3,635.31	1/2	3,336.49	1/2	2,977.99	1/2	2,617.74
3/4		3/4		3/4	3/4	3/4	4,439.87	3/4	4,182.62	3/4	3,912.06	3/4	3,629.29	3/4	3,329.39	3/4	2,970.48	3/4	2,610.23
2		2		2		2	4,434.61	2	4,177.14	2	3,906.30	2	3,623.27	2	3,322.29	2	2,962.98	2	2,602.73
1/4		1/4		1/4	1/4	1/4	4,429.34	1/4	4,171.66	1/4	3,900.53	1/4	3,617.25	1/4	3,315.19	1/4	2,955.47	1/4	2,595.22
1/2		1/2		1/2	1/2	1/2	4,424.05	1/2	4,166.16	1/2	3,894.75	1/2	3,611.21	1/2	3,307.81	1/2	2,947.97	1/2	2,587.71
3/4		3/4		3/4	3/4	3/4	4,418.76	3/4	4,160.66	3/4	3,888.96	3/4	3,605.17	3/4	3,300.43	3/4	2,940.46	3/4	2,580.21
3		3		3		3	4,413.47	3	4,155.16	3	3,883.18	3	3,599.14	3	3,293.05	3	2,932.96	3	2,572.70
1/4		1/4		1/4	1/4	1/4	4,408.18	1/4	4,149.66	1/4	3,877.39	1/4	3,593.10	1/4	3,285.68	1/4	2,925.46	1/4	2,565.20
1/2		1/2		1/2	1/2	1/2	4,402.91	1/2	4,144.10	1/2	3,871.59	1/2	3,587.04	1/2	3,278.17	1/2	2,917.95	1/2	2,557.69
3/4		3/4		3/4	3/4	3/4	4,397.64	3/4	4,138.55	3/4	3,865.78	3/4	3,580.99	3/4	3,270.67	3/4	2,910.45	3/4	2,550.18
4		4		4		4	4,392.37	4	4,132.99	4	3,859.97	4	3,574.93	4	3,263.16	4	2,902.94	4	2,542.68
1/4		1/4		1/4	1/4	1/4	4,387.10	1/4	4,127.44	1/4	3,854.16	1/4	3,568.87	1/4	3,255.66	1/4	2,895.44	1/4	2,535.17
1/2		1/2		1/2	1/2	1/2	4,381.80	1/2	4,121.86	1/2	3,848.34	1/2	3,562.79	1/2	3,248.15	1/2	2,887.93	1/2	2,527.67
3/4		3/4		3/4	3/4	3/4	4,376.51	3/4	4,116.28	3/4	3,842.51	3/4	3,556.71	3/4	3,240.65	3/4	2,880.43	3/4	2,520.16
5		5		5		5	4,371.22	5	4,110.70	5	3,836.68	5	3,550.63	5	3,233.14	5	2,872.92	5	2,512.66
1/4		1/4		1/4	1/4	1/4	4,365.93	1/4	4,105.12	1/4	3,830.85	1/4	3,544.54	1/4	3,225.64	1/4	2,865.42	1/4	2,505.15
1/2		1/2		1/2	1/2	1/2	4,360.62	1/2	4,099.52	1/2	3,825.00	1/2	3,538.45	1/2	3,218.14	1/2	2,857.91	1/2	2,497.64
3/4		3/4		3/4	3/4	3/4	4,355.30	3/4	4,093.92	3/4	3,819.15	3/4	3,532.35	3/4	3,210.63	3/4	2,850.41	3/4	2,490.14
6		6		6		6	4,349.99	6	4,088.33	6	3,813.29	6	3,526.25	6	3,203.13	6	2,842.91	6	2,482.63
1/4		1/4		1/4	1/4	1/4	4,344.68	1/4	4,082.73	1/4	3,807.44	1/4	3,520.15	1/4	3,195.62	1/4	2,835.40	1/4	2,475.13
1/2		1/2		1/2	1/2	1/2	4,339.34	1/2	4,077.10	1/2	3,801.57	1/2	3,514.03	1/2	3,188.12	1/2	2,827.90	1/2	2,467.62
3/4		3/4		3/4	3/4	3/4	4,599.57	3/4	4,334.01	3/4	4,071.48	3/4	3,795.70	3/4	3,507.91	3/4	3,180.61	3/4	2,820.39
7		7		7		7	4,594.97	7	4,328.67	7	4,065.85	7	3,789.83	7	3,501.79	7	3,173.11	7	2,812.89
1/4		1/4		1/4	1/4	1/4	4,590.37	1/4	4,323.34	1/4	4,060.23	1/4	3,783.96	1/4	3,495.67	1/4	3,165.60	1/4	2,805.38
1/2		1/2		1/2	1/2	1/2	4,584.24	1/2	4,317.98	1/2	4,054.59	1/2	3,778.07	1/2	3,489.55	1/2	3,158.10	1/2	2,797.88
3/4		3/4		3/4	3/4	3/4	4,578.11	3/4	4,312.62	3/4	4,048.95	3/4	3,772.18	3/4	3,483.42	3/4	3,150.59	3/4	2,790.37
8		8		8		8	4,571.99	8	4,307.27	8	4,043.31	8	3,766.29	8	3,477.29	8	3,143.09	8	2,782.86
1/4		1/4		1/4	1/4	1/4	4,565.86	1/4	4,301.91	1/4	4,037.67	1/4	3,760.40	1/4	3,471.16	1/4	3,135.58	1/4	2,775.36
1/2		1/2		1/2	1/2	1/2	4,559.73	1/2	4,296.53	1/2	4,032.01	1/2	3,754.49	1/2	3,465.03	1/2	3,128.08	1/2	2,767.85
3/4		3/4		3/4	3/4	3/4	4,553.60	3/4	4,291.16	3/4	4,026.34	3/4	3,748.57	3/4	3,458.91	3/4	3,120.58	3/4	2,760.35
9		9		9		9	4,547.47	9	4,285.78	9	4,020.68	9	3,742.66	9	3,452.78	9	3,113.07	9	2,752.84
1/4		1/4		1/4	1/4	1/4	4,541.34	1/4	4,280.41	1/4	4,015.02	1/4	3,736.74	1/4	3,446.65	1/4	3,105.57	1/4	2,745.34
1/2		1/2		1/2	1/2	1/2	4,535.21	1/2	4,275.01	1/2	4,009.34	1/2	3,730.81	1/2	3,440.52	1/2	3,098.06	1/2	2,737.83
3/4		3/4		3/4	3/4	3/4	4,529.08	3/4	4,269.62	3/4	4,003.65	3/4	3,724.88	3/4	3,434.39	3/4	3,090.56	3/4	2,730.32
10		10		10		10	4,522.95	10	4,264.22	10	3,997.97	10	3,718.95	10	3,428.27	10	3,083.05	10	2,722.82
1/4		1/4		1/4	1/4	1/4	4,516.82	1/4	4,258.83	1/4	3,992.28	1/4	3,713.02	1/4	3,422.14	1/4	3,075.55	1/4	2,715.31
1/2		1/2		1/2	1/2	1/2	4,510.69	1/2	4,253.41	1/2	3,986.58	1/2	3,707.06	1/2	3,415.87	1/2	3,068.04	1/2	2,707.81
3/4		3/4		3/4	3/4	3/4	4,504.56	3/4	4,247.99	3/4	3,980.88	3/4	3,701.11	3/4	3,409.60	3/4	3,060.54	3/4	2,700.30
11		11		11		11	4,498.43	11	4,242.57	11	3,975.17	11	3,695.16	11	3,403.34	11	3,053.03	11	2,692.80
1/4		1/4		1/4	1/4	1/4	4,492.30	1/4	4,237.15	1/4	3,969.47	1/4	3,689.21	1/4	3,397.07	1/4	3,045.53	1/4	2,685.29
1/2		1/2		1/2	1/2	1/2	4,487.08	1/2	4,231.72	1/2	3,963.75	1/2	3,683.23	1/2	3,390.52	1/2	3,038.02	1/2	2,677.78
3/4		3/4		3/4	3/4	3/4	4,481.85	3/4	4,226.28	3/4	3,958.02	3/4	3,677.26	3/4	3,383.98	3/4	3,030.52	3/4	2,670.28

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 41'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28137"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,302.58	0	1,943.51	0	1,585.10	0	1,224.77	0	871.08	0	518.39	0	158.35	0		0			
1/4	2,295.07	1/4	1,936.07	1/4	1,577.59	1/4	1,217.27	1/4	863.72	1/4	511.02	1/4	150.83	1/4		1/4			
1/2	2,287.57	1/2	1,928.63	1/2	1,570.08	1/2	1,209.90	1/2	856.35	1/2	503.58	1/2	143.31	1/2		1/2			
3/4	2,280.06	3/4	1,921.19	3/4	1,562.58	3/4	1,202.53	3/4	848.98	3/4	496.14	3/4	135.79	3/4		3/4			
1	2,272.55	1	1,913.75	1	1,555.07	1	1,195.16	1	841.61	1	488.70	1	128.27	1		1			
1/4	2,265.05	1/4	1,906.30	1/4	1,547.56	1/4	1,187.79	1/4	834.24	1/4	481.26	1/4	120.75	1/4		1/4			
1/2	2,257.54	1/2	1,898.86	1/2	1,540.06	1/2	1,180.42	1/2	826.87	1/2	473.76	1/2	113.23	1/2		1/2			
3/4	2,250.03	3/4	1,891.42	3/4	1,532.55	3/4	1,173.05	3/4	819.50	3/4	466.25	3/4	105.71	3/4		3/4			
2	2,242.53	2	1,883.98	2	1,525.04	2	1,165.68	2	812.14	2	458.74	2	98.20	2		2			
1/4	2,235.02	1/4	1,876.54	1/4	1,517.54	1/4	1,158.31	1/4	804.77	1/4	451.23	1/4	90.68	1/4		1/4			
1/2	2,227.51	1/2	1,869.10	1/2	1,510.03	1/2	1,150.94	1/2	797.42	1/2	443.72	1/2	83.16	1/2		1/2			
3/4	2,220.01	3/4	1,861.66	3/4	1,502.52	3/4	1,143.57	3/4	790.07	3/4	436.22	3/4	75.64	3/4		3/4			
3	2,212.50	3	1,854.22	3	1,495.02	3	1,136.20	3	782.72	3	428.71	3	68.12	3		3			
1/4	2,204.99	1/4	1,846.78	1/4	1,487.51	1/4	1,128.83	1/4	775.37	1/4	421.20	1/4	60.60	1/4		1/4			
1/2	2,197.49	1/2	1,839.34	1/2	1,480.00	1/2	1,121.46	1/2	768.03	1/2	413.69	1/2	54.02	1/2		1/2			
3/4	2,189.98	3/4	1,831.90	3/4	1,472.50	3/4	1,114.08	3/4	760.70	3/4	406.19	3/4	47.44	3/4		3/4			
4	2,182.47	4	1,824.46	4	1,464.99	4	1,106.71	4	753.36	4	398.68	4	40.86	4		4			
1/4	2,174.97	1/4	1,817.01	1/4	1,457.48	1/4	1,099.34	1/4	746.02	1/4	391.17	1/4	34.28	1/4		1/4			
1/2	2,167.46	1/2	1,809.57	1/2	1,449.98	1/2	1,091.98	1/2	738.68	1/2	383.66	1/2	29.58	1/2		1/2			
3/4	2,159.95	3/4	1,802.13	3/4	1,442.47	3/4	1,084.62	3/4	731.35	3/4	376.16	3/4	24.88	3/4		3/4			
5	2,152.45	5	1,794.69	5	1,434.96	5	1,077.25	5	724.01	5	368.65	5	20.18	5		5			
1/4	2,144.94	1/4	1,787.25	1/4	1,427.46	1/4	1,069.89	1/4	716.67	1/4	361.14	1/4	15.48	1/4		1/4			
1/2	2,137.43	1/2	1,779.81	1/2	1,419.95	1/2	1,062.53	1/2	709.33	1/2	353.63	1/2		1/2		1/2			
3/4	2,129.93	3/4	1,772.37	3/4	1,412.44	3/4	1,055.16	3/4	702.00	3/4	346.12	3/4		3/4		3/4			
6	2,122.42	6	1,764.93	6	1,404.94	6	1,047.80	6	694.66	6	338.62	6		6		6			
1/4	2,114.91	1/4	1,757.49	1/4	1,397.43	1/4	1,040.44	1/4	687.32	1/4	331.11	1/4		1/4		1/4			
1/2	2,107.41	1/2	1,750.05	1/2	1,389.92	1/2	1,033.07	1/2	679.98	1/2	323.60	1/2		1/2		1/2			
3/4	2,099.90	3/4	1,742.61	3/4	1,382.42	3/4	1,025.71	3/4	672.64	3/4	316.09	3/4		3/4		3/4			
7	2,092.39	7	1,735.16	7	1,374.91	7	1,018.35	7	665.30	7	308.59	7		7		7			
1/4	2,084.89	1/4	1,727.72	1/4	1,367.40	1/4	1,010.98	1/4	657.96	1/4	301.08	1/4		1/4		1/4			
1/2	2,077.45	1/2	1,720.22	1/2	1,359.90	1/2	1,003.62	1/2	650.62	1/2	293.57	1/2		1/2		1/2			
3/4	2,070.00	3/4	1,712.71	3/4	1,352.39	3/4	996.26	3/4	643.29	3/4	286.06	3/4		3/4		3/4			
8	2,062.56	8	1,705.20	8	1,344.88	8	988.89	8	635.95	8	278.56	8		8		8			
1/4	2,055.12	1/4	1,697.70	1/4	1,337.37	1/4	981.53	1/4	628.61	1/4	271.05	1/4		1/4		1/4			
1/2	2,047.68	1/2	1,690.19	1/2	1,329.87	1/2	974.17	1/2	621.27	1/2	263.54	1/2		1/2		1/2			
3/4	2,040.24	3/4	1,682.68	3/4	1,322.36	3/4	966.80	3/4	613.93	3/4	256.03	3/4		3/4		3/4			
9	2,032.80	9	1,675.18	9	1,314.85	9	959.44	9	606.59	9	248.52	9		9		9			
1/4	2,025.36	1/4	1,667.67	1/4	1,307.35	1/4	952.08	1/4	599.25	1/4	241.02	1/4		1/4		1/4			
1/2	2,017.92	1/2	1,660.16	1/2	1,299.84	1/2	944.71	1/2	591.92	1/2	233.51	1/2		1/2		1/2			
3/4	2,010.48	3/4	1,652.66	3/4	1,292.33	3/4	937.35	3/4	584.58	3/4	226.00	3/4		3/4		3/4			
10	2,003.04	10	1,645.15	10	1,284.83	10	929.99	10	577.24	10	218.49	10		10		10			
1/4	1,995.60	1/4	1,637.64	1/4	1,277.32	1/4	922.62	1/4	569.90	1/4	210.99	1/4		1/4		1/4			
1/2	1,988.15	1/2	1,630.14	1/2	1,269.81	1/2	915.26	1/2	562.55	1/2	203.47	1/2		1/2		1/2			
3/4	1,980.71	3/4	1,622.63	3/4	1,262.31	3/4	907.90	3/4	555.20	3/4	195.95	3/4		3/4		3/4			
11	1,973.27	11	1,615.12	11	1,254.80	11	900.53	11	547.84	11	188.43	11		11		11			
1/4	1,965.83	1/4	1,607.62	1/4	1,247.29	1/4	893.17	1/4	540.49	1/4	180.91	1/4		1/4		1/4			
1/2	1,958.39	1/2	1,600.11	1/2	1,239.79	1/2	885.81	1/2	533.12	1/2	173.39	1/2		1/2		1/2			
3/4	1,950.95	3/4	1,592.60	3/4	1,232.28	3/4	878.44	3/4	525.76	3/4	165.87	3/4		3/4		3/4			

STRAPPED: 02/17/2010 CL - SW
CALCULATED: 02/17/2010 CL
PRINTED: 02/17/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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