



BARGE "KIRBY 11324"

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 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4
2 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/8	01-1/8
3 CENTER	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 161'-03"

July 30, 2007

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

<http://www.pmacorp.net>



BARGE "KIRBY 11324"

1 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-00"

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	3,401.17	0	3,180.29	0	2,959.48	0	2,738.66	0	2,499.98	0	2,244.97	0	1,989.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,396.57	1/4	3,175.69	1/4	2,954.88	1/4	2,734.06	1/4	2,494.67	1/4	2,239.66	1/4	1,984.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,391.96	1/2	3,171.09	1/2	2,950.28	1/2	2,729.46	1/2	2,489.36	1/2	2,234.35	1/2	1,979.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,387.36	3/4	3,166.49	3/4	2,945.67	3/4	2,724.86	3/4	2,484.04	3/4	2,229.03	3/4	1,974.02		
1		1		1		1	3,382.76	1	3,161.89	1	2,941.07	1	2,720.26	1	2,478.73	1	2,223.72	1	1,968.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,378.16	1/4	3,157.29	1/4	2,936.47	1/4	2,715.66	1/4	2,473.42	1/4	2,218.41	1/4	1,963.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,373.56	1/2	3,152.69	1/2	2,931.87	1/2	2,711.06	1/2	2,468.11	1/2	2,213.10	1/2	1,958.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,368.96	3/4	3,148.09	3/4	2,927.27	3/4	2,706.46	3/4	2,462.79	3/4	2,207.78	3/4	1,952.77		
2		2		2		2	3,364.36	2	3,143.49	2	2,922.67	2	2,701.86	2	2,457.48	2	2,202.47	2	1,947.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,359.75	1/4	3,138.89	1/4	2,918.07	1/4	2,697.26	1/4	2,452.17	1/4	2,197.16	1/4	1,942.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,355.15	1/2	3,134.29	1/2	2,913.47	1/2	2,692.66	1/2	2,446.85	1/2	2,191.84	1/2	1,936.84		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,350.55	3/4	3,129.69	3/4	2,908.87	3/4	2,688.06	3/4	2,441.54	3/4	2,186.53	3/4	1,931.52		
3		3		3		3	3,345.95	3	3,125.09	3	2,904.27	3	2,683.46	3	2,436.23	3	2,181.22	3	1,926.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,341.35	1/4	3,120.49	1/4	2,899.67	1/4	2,678.86	1/4	2,430.92	1/4	2,175.91	1/4	1,920.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,336.75	1/2	3,115.89	1/2	2,895.07	1/2	2,674.26	1/2	2,425.60	1/2	2,170.59	1/2	1,915.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,332.14	3/4	3,111.29	3/4	2,890.47	3/4	2,669.66	3/4	2,420.29	3/4	2,165.28	3/4	1,910.27		
4		4		4		4	3,327.54	4	3,106.69	4	2,885.87	4	2,665.06	4	2,414.98	4	2,159.97	4	1,904.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,322.94	1/4	3,102.09	1/4	2,881.27	1/4	2,660.46	1/4	2,409.67	1/4	2,154.66	1/4	1,899.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,318.34	1/2	3,097.48	1/2	2,876.67	1/2	2,655.86	1/2	2,404.35	1/2	2,149.34	1/2	1,894.33		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,313.74	3/4	3,092.88	3/4	2,872.07	3/4	2,651.26	3/4	2,399.04	3/4	2,144.03	3/4	1,889.02		
5		5		5		5	3,309.14	5	3,088.28	5	2,867.47	5	2,646.66	5	2,393.73	5	2,138.72	5	1,883.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,304.54	1/4	3,083.68	1/4	2,862.87	1/4	2,641.87	1/4	2,388.41	1/4	2,133.41	1/4	1,878.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,299.93	1/2	3,079.08	1/2	2,858.27	1/2	2,637.09	1/2	2,383.10	1/2	2,128.09	1/2	1,873.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,295.33	3/4	3,074.48	3/4	2,853.67	3/4	2,632.31	3/4	2,377.79	3/4	2,122.78	3/4	1,867.77		
6		6		6		6	3,290.73	6	3,069.88	6	2,849.07	6	2,627.53	6	2,372.48	6	2,117.47	6	1,862.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,286.13	1/4	3,065.28	1/4	2,844.47	1/4	2,622.21	1/4	2,367.16	1/4	2,112.15	1/4	1,857.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,281.53	1/2	3,060.68	1/2	2,839.87	1/2	2,616.89	1/2	2,361.85	1/2	2,106.84	1/2	1,851.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,474.51	3/4	3,276.93	3/4	3,056.08	3/4	2,835.27	3/4	2,611.56	3/4	2,356.54	3/4	2,101.53	3/4	1,846.52
7		7		7		7	3,272.32	7	3,051.48	7	2,830.67	7	2,606.24	7	2,351.23	7	2,096.22	7	1,841.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,472.96	1/4	3,267.72	1/4	3,046.88	1/4	2,826.07	1/4	2,600.93	1/4	2,345.91	1/4	2,090.90	1/4	1,835.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,471.63	1/2	3,263.12	1/2	3,042.28	1/2	2,821.47	1/2	2,595.61	1/2	2,340.60	1/2	2,085.59	1/2	1,830.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,470.30	3/4	3,258.52	3/4	3,037.68	3/4	2,816.87	3/4	2,590.30	3/4	2,335.29	3/4	2,080.28	3/4	1,825.27
8		8		8		8	3,468.97	8	3,253.92	8	3,033.08	8	2,812.27	8	2,584.98	8	2,329.97	8	2,074.97	8	1,819.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,465.86	1/4	3,249.32	1/4	3,028.48	1/4	2,807.67	1/4	2,579.67	1/4	2,324.66	1/4	2,069.65	1/4	1,814.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,462.76	1/2	3,244.72	1/2	3,023.88	1/2	2,803.07	1/2	2,574.36	1/2	2,319.35	1/2	2,064.34	1/2	1,809.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,459.65	3/4	3,240.11	3/4	3,019.28	3/4	2,798.47	3/4	2,569.05	3/4	2,314.04	3/4	2,059.03	3/4	1,804.02
9		9		9		9	3,456.55	9	3,235.51	9	3,014.68	9	2,793.86	9	2,563.73	9	2,308.72	9	2,053.71	9	1,798.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,451.90	1/4	3,230.91	1/4	3,010.08	1/4	2,789.26	1/4	2,558.42	1/4	2,303.41	1/4	2,048.40	1/4	1,793.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,447.26	1/2	3,226.31	1/2	3,005.48	1/2	2,784.66	1/2	2,553.11	1/2	2,298.10	1/2	2,043.09	1/2	1,788.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,442.62	3/4	3,221.71	3/4	3,000.88	3/4	2,780.06	3/4	2,547.80	3/4	2,292.79	3/4	2,037.78	3/4	1,782.77
10		10		10		10	3,437.98	10	3,217.11	10	2,996.28	10	2,775.46	10	2,542.48	10	2,287.47	10	2,032.46	10	1,777.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,433.38	1/4	3,212.51	1/4	2,991.68	1/4	2,770.86	1/4	2,537.17	1/4	2,282.16	1/4	2,027.15	1/4	1,772.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,428.78	1/2	3,207.90	1/2	2,987.08	1/2	2,766.26	1/2	2,531.86	1/2	2,276.85	1/2	2,021.84	1/2	1,766.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,424.17	3/4	3,203.30	3/4	2,982.48	3/4	2,761.66	3/4	2,526.54	3/4	2,271.54	3/4	2,016.53	3/4	1,761.52
11		11		11		11	3,419.57	11	3,198.70	11	2,977.88	11	2,757.06	11	2,521.23	11	2,266.22	11	2,011.21	11	1,756.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,414.97	1/4	3,194.10	1/4	2,973.28	1/4	2,752.46	1/4	2,515.92	1/4	2,260.91	1/4	2,005.90	1/4	1,750.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,410.37	1/2	3,189.50	1/2	2,968.68	1/2	2,747.86	1/2	2,510.61	1/2	2,255.60	1/2	2,000.59	1/2	1,745.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,405.77	3/4	3,184.90	3/4	2,964.08	3/4	2,743.26	3/4	2,505.29	3/4	2,250.28	3/4	1,995.27	3/4	1,740.27

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 ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 11324"

1 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-00"

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	1,734.95	0	1,480.60	0	1,226.03	0	971.14	0	717.33	0	466.23	0	212.35	0	0.46	0		0	
1/4	1,729.64	1/4	1,475.31	1/4	1,220.72	1/4	965.83	1/4	712.11	1/4	460.97	1/4	207.02	1/4		1/4		1/4	
1/2	1,724.33	1/2	1,470.03	1/2	1,215.41	1/2	960.52	1/2	706.90	1/2	455.72	1/2	201.70	1/2		1/2		1/2	
3/4	1,719.01	3/4	1,464.74	3/4	1,210.10	3/4	955.21	3/4	701.68	3/4	450.47	3/4	196.38	3/4		3/4		3/4	
1	1,713.70	1	1,459.45	1	1,204.79	1	949.90	1	696.47	1	445.21	1	191.06	1		1		1	
1/4	1,708.39	1/4	1,454.16	1/4	1,199.48	1/4	944.59	1/4	691.25	1/4	439.96	1/4	185.73	1/4		1/4		1/4	
1/2	1,703.08	1/2	1,448.88	1/2	1,194.17	1/2	939.28	1/2	686.03	1/2	434.71	1/2	180.41	1/2		1/2		1/2	
3/4	1,697.76	3/4	1,443.59	3/4	1,188.86	3/4	933.97	3/4	680.82	3/4	429.46	3/4	175.09	3/4		3/4		3/4	
2	1,692.45	2	1,438.30	2	1,183.55	2	928.66	2	675.60	2	424.20	2	169.76	2		2		2	
1/4	1,687.14	1/4	1,433.01	1/4	1,178.24	1/4	923.35	1/4	670.39	1/4	418.95	1/4	164.44	1/4		1/4		1/4	
1/2	1,681.83	1/2	1,427.73	1/2	1,172.93	1/2	918.04	1/2	665.17	1/2	413.70	1/2	159.12	1/2		1/2		1/2	
3/4	1,676.51	3/4	1,422.44	3/4	1,167.62	3/4	912.73	3/4	659.96	3/4	408.44	3/4	153.80	3/4		3/4		3/4	
3	1,671.20	3	1,417.15	3	1,162.31	3	907.42	3	654.74	3	403.19	3	148.47	3		3		3	
1/4	1,665.89	1/4	1,411.85	1/4	1,157.00	1/4	902.11	1/4	649.52	1/4	397.94	1/4	143.15	1/4		1/4		1/4	
1/2	1,660.57	1/2	1,406.55	1/2	1,151.69	1/2	896.80	1/2	644.31	1/2	392.68	1/2	137.83	1/2		1/2		1/2	
3/4	1,655.26	3/4	1,401.26	3/4	1,146.38	3/4	891.49	3/4	639.09	3/4	387.43	3/4	132.50	3/4		3/4		3/4	
4	1,649.95	4	1,395.96	4	1,141.07	4	886.18	4	633.88	4	382.18	4	127.18	4		4		4	
1/4	1,644.64	1/4	1,390.65	1/4	1,135.76	1/4	880.87	1/4	628.66	1/4	376.93	1/4	121.86	1/4		1/4		1/4	
1/2	1,639.32	1/2	1,385.33	1/2	1,130.45	1/2	875.56	1/2	623.44	1/2	371.67	1/2	116.54	1/2		1/2		1/2	
3/4	1,634.01	3/4	1,380.02	3/4	1,125.14	3/4	870.25	3/4	618.23	3/4	366.42	3/4	111.21	3/4		3/4		3/4	
5	1,628.70	5	1,374.71	5	1,119.82	5	864.94	5	613.01	5	361.17	5	105.89	5		5		5	
1/4	1,623.40	1/4	1,369.40	1/4	1,114.51	1/4	859.63	1/4	607.80	1/4	355.85	1/4	100.79	1/4		1/4		1/4	
1/2	1,618.10	1/2	1,364.09	1/2	1,109.20	1/2	854.32	1/2	602.58	1/2	350.54	1/2	95.69	1/2		1/2		1/2	
3/4	1,612.80	3/4	1,358.78	3/4	1,103.89	3/4	849.01	3/4	597.37	3/4	345.23	3/4	90.58	3/4		3/4		3/4	
6	1,607.50	6	1,353.47	6	1,098.58	6	843.70	6	592.15	6	339.91	6	85.48	6		6		6	
1/4	1,602.21	1/4	1,348.16	1/4	1,093.27	1/4	838.39	1/4	586.93	1/4	334.60	1/4	80.71	1/4		1/4		1/4	
1/2	1,596.92	1/2	1,342.85	1/2	1,087.96	1/2	833.08	1/2	581.72	1/2	329.29	1/2	75.95	1/2		1/2		1/2	
3/4	1,591.64	3/4	1,337.54	3/4	1,082.65	3/4	827.77	3/4	576.50	3/4	323.97	3/4	71.18	3/4		3/4		3/4	
7	1,586.35	7	1,332.23	7	1,077.34	7	822.46	7	571.29	7	318.66	7	66.41	7		7		7	
1/4	1,581.06	1/4	1,326.92	1/4	1,072.03	1/4	817.15	1/4	566.03	1/4	313.35	1/4	61.98	1/4		1/4		1/4	
1/2	1,575.77	1/2	1,321.61	1/2	1,066.72	1/2	811.84	1/2	560.78	1/2	308.03	1/2	57.56	1/2		1/2		1/2	
3/4	1,570.49	3/4	1,316.30	3/4	1,061.41	3/4	806.53	3/4	555.53	3/4	302.72	3/4	53.13	3/4		3/4		3/4	
8	1,565.20	8	1,310.99	8	1,056.10	8	801.22	8	550.27	8	297.40	8	48.71	8		8		8	
1/4	1,559.91	1/4	1,305.68	1/4	1,050.79	1/4	795.97	1/4	545.02	1/4	292.09	1/4	44.63	1/4		1/4		1/4	
1/2	1,554.62	1/2	1,300.37	1/2	1,045.48	1/2	790.71	1/2	539.77	1/2	286.78	1/2	40.55	1/2		1/2		1/2	
3/4	1,549.34	3/4	1,295.06	3/4	1,040.17	3/4	785.46	3/4	534.52	3/4	281.46	3/4	36.47	3/4		3/4		3/4	
9	1,544.05	9	1,289.75	9	1,034.86	9	780.21	9	529.26	9	276.15	9	32.39	9		9		9	
1/4	1,538.76	1/4	1,284.44	1/4	1,029.55	1/4	774.96	1/4	524.01	1/4	270.84	1/4	27.96	1/4		1/4		1/4	
1/2	1,533.47	1/2	1,279.13	1/2	1,024.24	1/2	769.71	1/2	518.76	1/2	265.52	1/2	23.52	1/2		1/2		1/2	
3/4	1,528.19	3/4	1,273.82	3/4	1,018.93	3/4	764.45	3/4	513.50	3/4	260.21	3/4	19.08	3/4		3/4		3/4	
10	1,522.90	10	1,268.51	10	1,013.62	10	759.20	10	508.25	10	254.90	10	14.65	10		10		10	
1/4	1,517.61	1/4	1,263.20	1/4	1,008.31	1/4	753.95	1/4	503.00	1/4	249.58	1/4	11.99	1/4		1/4		1/4	
1/2	1,512.33	1/2	1,257.89	1/2	1,003.00	1/2	748.70	1/2	497.74	1/2	244.27	1/2	9.33	1/2		1/2		1/2	
3/4	1,507.04	3/4	1,252.58	3/4	997.69	3/4	743.44	3/4	492.49	3/4	238.95	3/4	6.67	3/4		3/4		3/4	
11	1,501.75	11	1,247.27	11	992.38	11	738.19	11	487.24	11	233.64	11	4.00	11		11		11	
1/4	1,496.46	1/4	1,241.96	1/4	987.07	1/4	732.98	1/4	481.99	1/4	228.32	1/4	3.12	1/4		1/4		1/4	
1/2	1,491.18	1/2	1,236.65	1/2	981.76	1/2	727.76	1/2	476.73	1/2	222.99	1/2	2.23	1/2		1/2		1/2	
3/4	1,485.89	3/4	1,231.34	3/4	976.45	3/4	722.55	3/4	471.48	3/4	217.67	3/4	1.34	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/30/2007 CL - SW
CALCULATED: 07/30/2007 CL
PRINTED: 07/30/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 11324"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-00 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	3,525.87	0	3,271.73	0	3,017.59	0	2,763.44	0	2,509.30	0	2,255.16	0	2,001.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,520.57	1/4	3,266.43	1/4	3,012.29	1/4	2,758.15	1/4	2,504.01	1/4	2,249.87	1/4	1,995.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,515.28	1/2	3,261.14	1/2	3,007.00	1/2	2,752.86	1/2	2,498.71	1/2	2,244.57	1/2	1,990.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,509.98	3/4	3,255.84	3/4	3,001.70	3/4	2,747.56	3/4	2,493.42	3/4	2,239.28	3/4	1,985.14
1		1		1		1	3,504.69	1	3,250.55	1	2,996.41	1	2,742.27	1	2,488.13	1	2,233.98	1	1,979.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,499.39	1/4	3,245.25	1/4	2,991.11	1/4	2,736.97	1/4	2,482.83	1/4	2,228.69	1/4	1,974.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,494.10	1/2	3,239.96	1/2	2,985.82	1/2	2,731.68	1/2	2,477.54	1/2	2,223.40	1/2	1,969.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,488.81	3/4	3,234.66	3/4	2,980.52	3/4	2,726.38	3/4	2,472.24	3/4	2,218.10	3/4	1,963.96
2		2		2		2	3,483.51	2	3,229.37	2	2,975.23	2	2,721.09	2	2,466.95	2	2,212.81	2	1,958.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,478.22	1/4	3,224.08	1/4	2,969.93	1/4	2,715.79	1/4	2,461.65	1/4	2,207.51	1/4	1,953.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,472.92	1/2	3,218.78	1/2	2,964.64	1/2	2,710.50	1/2	2,456.36	1/2	2,202.22	1/2	1,948.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,467.63	3/4	3,213.49	3/4	2,959.35	3/4	2,705.20	3/4	2,451.06	3/4	2,196.92	3/4	1,942.78
3		3		3		3	3,462.33	3	3,208.19	3	2,954.05	3	2,699.91	3	2,445.77	3	2,191.63	3	1,937.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,457.04	1/4	3,202.90	1/4	2,948.76	1/4	2,694.62	1/4	2,440.47	1/4	2,186.33	1/4	1,932.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,451.74	1/2	3,197.60	1/2	2,943.46	1/2	2,689.32	1/2	2,435.18	1/2	2,181.04	1/2	1,926.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,446.45	3/4	3,192.31	3/4	2,938.17	3/4	2,684.03	3/4	2,429.89	3/4	2,175.74	3/4	1,921.60
4		4		4		4	3,441.15	4	3,187.01	4	2,932.87	4	2,678.73	4	2,424.59	4	2,170.45	4	1,916.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,435.86	1/4	3,181.72	1/4	2,927.58	1/4	2,673.44	1/4	2,419.30	1/4	2,165.16	1/4	1,911.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,430.56	1/2	3,176.42	1/2	2,922.28	1/2	2,668.14	1/2	2,414.00	1/2	2,159.86	1/2	1,905.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,425.27	3/4	3,171.13	3/4	2,916.99	3/4	2,662.85	3/4	2,408.71	3/4	2,154.57	3/4	1,900.43
5		5		5		5	3,419.98	5	3,165.83	5	2,911.69	5	2,657.55	5	2,403.41	5	2,149.27	5	1,895.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,414.68	1/4	3,160.54	1/4	2,906.40	1/4	2,652.26	1/4	2,398.12	1/4	2,143.98	1/4	1,889.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,409.39	1/2	3,155.25	1/2	2,901.10	1/2	2,646.96	1/2	2,392.82	1/2	2,138.68	1/2	1,884.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,404.09	3/4	3,149.95	3/4	2,895.81	3/4	2,641.67	3/4	2,387.53	3/4	2,133.39	3/4	1,879.25
6		6		6		6	3,398.80	6	3,144.66	6	2,890.52	6	2,636.37	6	2,382.23	6	2,128.09	6	1,873.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,393.50	1/4	3,139.36	1/4	2,885.22	1/4	2,631.08	1/4	2,376.94	1/4	2,122.80	1/4	1,868.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,388.21	1/2	3,134.07	1/2	2,879.93	1/2	2,625.79	1/2	2,371.64	1/2	2,117.50	1/2	1,863.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,382.91	3/4	3,128.77	3/4	2,874.63	3/4	2,620.49	3/4	2,366.35	3/4	2,112.21	3/4	1,858.07
7		7		7	3,600.00	7	3,377.62	7	3,123.48	7	2,869.34	7	2,615.20	7	2,361.06	7	2,106.91	7	1,852.77
1/4	1/4	1/4	1/4	1/4	3,599.78	1/4	3,372.32	1/4	3,118.18	1/4	2,864.04	1/4	2,609.90	1/4	2,355.76	1/4	2,101.62	1/4	1,847.48
1/2	1/2	1/2	1/2	1/2	3,598.46	1/2	3,367.03	1/2	3,112.89	1/2	2,858.75	1/2	2,604.61	1/2	2,350.47	1/2	2,096.33	1/2	1,842.18
3/4	3/4	3/4	3/4	3/4	3,597.14	3/4	3,361.73	3/4	3,107.59	3/4	2,853.45	3/4	2,599.31	3/4	2,345.17	3/4	2,091.03	3/4	1,836.89
8		8		8	3,595.81	8	3,356.44	8	3,102.30	8	2,848.16	8	2,594.02	8	2,339.88	8	2,085.74	8	1,831.60
1/4	1/4	1/4	1/4	1/4	3,594.49	1/4	3,351.15	1/4	3,097.00	1/4	2,842.86	1/4	2,588.72	1/4	2,334.58	1/4	2,080.44	1/4	1,826.30
1/2	1/2	1/2	1/2	1/2	3,591.40	1/2	3,345.85	1/2	3,091.71	1/2	2,837.57	1/2	2,583.43	1/2	2,329.29	1/2	2,075.15	1/2	1,821.01
3/4	3/4	3/4	3/4	3/4	3,588.31	3/4	3,340.56	3/4	3,086.42	3/4	2,832.27	3/4	2,578.13	3/4	2,323.99	3/4	2,069.85	3/4	1,815.71
9		9		9	3,585.22	9	3,335.26	9	3,081.12	9	2,826.98	9	2,572.84	9	2,318.70	9	2,064.56	9	1,810.42
1/4	1/4	1/4	1/4	1/4	3,582.13	1/4	3,329.97	1/4	3,075.83	1/4	2,821.69	1/4	2,567.54	1/4	2,313.40	1/4	2,059.26	1/4	1,805.12
1/2	1/2	1/2	1/2	1/2	3,577.33	1/2	3,324.67	1/2	3,070.53	1/2	2,816.39	1/2	2,562.25	1/2	2,308.11	1/2	2,053.97	1/2	1,799.83
3/4	3/4	3/4	3/4	3/4	3,572.53	3/4	3,319.38	3/4	3,065.24	3/4	2,811.10	3/4	2,556.96	3/4	2,302.81	3/4	2,048.67	3/4	1,794.53
10		10		10	3,567.73	10	3,314.08	10	3,059.94	10	2,805.80	10	2,551.66	10	2,297.52	10	2,043.38	10	1,789.24
1/4	1/4	1/4	1/4	1/4	3,562.93	1/4	3,308.79	1/4	3,054.65	1/4	2,800.51	1/4	2,546.37	1/4	2,292.23	1/4	2,038.08	1/4	1,783.94
1/2	1/2	1/2	1/2	1/2	3,557.64	1/2	3,303.49	1/2	3,049.35	1/2	2,795.21	1/2	2,541.07	1/2	2,286.93	1/2	2,032.79	1/2	1,778.65
3/4	3/4	3/4	3/4	3/4	3,552.34	3/4	3,298.20	3/4	3,044.06	3/4	2,789.92	3/4	2,535.78	3/4	2,281.64	3/4	2,027.50	3/4	1,773.35
11		11		11	3,547.05	11	3,292.90	11	3,038.76	11	2,784.62	11	2,530.48	11	2,276.34	11	2,022.20	11	1,768.06
1/4	1/4	1/4	1/4	1/4	3,541.75	1/4	3,287.61	1/4	3,033.47	1/4	2,779.33	1/4	2,525.19	1/4	2,271.05	1/4	2,016.91	1/4	1,762.77
1/2	1/2	1/2	1/2	1/2	3,536.46	1/2	3,282.32	1/2	3,028.17	1/2	2,774.03	1/2	2,519.89	1/2	2,265.75	1/2	2,011.61	1/2	1,757.47
3/4	3/4	3/4	3/4	3/4	3,531.16	3/4	3,277.02	3/4	3,022.88	3/4	2,768.74	3/4	2,514.60	3/4	2,260.46	3/4	2,006.32	3/4	1,752.18

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 ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11324"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-00 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	1,746.88	0	1,492.74	0	1,238.60	0	984.46	0	731.39	0	480.71	0	228.09	0	1.34	0		0	
1/4	1,741.59	1/4	1,487.45	1/4	1,233.31	1/4	979.16	1/4	726.17	1/4	475.48	1/4	222.80	1/4	0.46	1/4		1/4	
1/2	1,736.29	1/2	1,482.15	1/2	1,228.01	1/2	973.87	1/2	720.94	1/2	470.26	1/2	217.50	1/2		1/2		1/2	
3/4	1,731.00	3/4	1,476.86	3/4	1,222.72	3/4	968.58	3/4	715.72	3/4	465.04	3/4	212.21	3/4		3/4		3/4	
1	1,725.70	1	1,471.56	1	1,217.42	1	963.28	1	710.50	1	459.81	1	206.92	1		1		1	
1/4	1,720.41	1/4	1,466.27	1/4	1,212.13	1/4	957.99	1/4	705.28	1/4	454.59	1/4	201.62	1/4		1/4		1/4	
1/2	1,715.11	1/2	1,460.97	1/2	1,206.83	1/2	952.69	1/2	700.05	1/2	449.37	1/2	196.33	1/2		1/2		1/2	
3/4	1,709.82	3/4	1,455.68	3/4	1,201.54	3/4	947.40	3/4	694.83	3/4	444.15	3/4	191.03	3/4		3/4		3/4	
2	1,704.52	2	1,450.38	2	1,196.24	2	942.10	2	689.61	2	438.92	2	185.74	2		2		2	
1/4	1,699.23	1/4	1,445.09	1/4	1,190.95	1/4	936.81	1/4	684.39	1/4	433.70	1/4	180.45	1/4		1/4		1/4	
1/2	1,693.94	1/2	1,439.79	1/2	1,185.65	1/2	931.51	1/2	679.16	1/2	428.48	1/2	175.15	1/2		1/2		1/2	
3/4	1,688.64	3/4	1,434.50	3/4	1,180.36	3/4	926.22	3/4	673.94	3/4	423.25	3/4	169.86	3/4		3/4		3/4	
3	1,683.35	3	1,429.21	3	1,175.06	3	920.92	3	668.72	3	418.03	3	164.56	3		3		3	
1/4	1,678.05	1/4	1,423.91	1/4	1,169.77	1/4	915.63	1/4	663.50	1/4	412.81	1/4	159.27	1/4		1/4		1/4	
1/2	1,672.76	1/2	1,418.62	1/2	1,164.48	1/2	910.33	1/2	658.27	1/2	407.59	1/2	153.98	1/2		1/2		1/2	
3/4	1,667.46	3/4	1,413.32	3/4	1,159.18	3/4	905.04	3/4	653.05	3/4	402.36	3/4	148.68	3/4		3/4		3/4	
4	1,662.17	4	1,408.03	4	1,153.89	4	899.75	4	647.83	4	397.14	4	143.39	4		4		4	
1/4	1,656.87	1/4	1,402.73	1/4	1,148.59	1/4	894.45	1/4	642.61	1/4	391.92	1/4	138.10	1/4		1/4		1/4	
1/2	1,651.58	1/2	1,397.44	1/2	1,143.30	1/2	889.16	1/2	637.39	1/2	386.70	1/2	132.80	1/2		1/2		1/2	
3/4	1,646.28	3/4	1,392.14	3/4	1,138.00	3/4	883.86	3/4	632.16	3/4	381.47	3/4	127.51	3/4		3/4		3/4	
5	1,640.99	5	1,386.85	5	1,132.71	5	878.57	5	626.94	5	376.25	5	122.21	5		5		5	
1/4	1,635.70	1/4	1,381.55	1/4	1,127.41	1/4	873.27	1/4	621.72	1/4	371.03	1/4	116.92	1/4		1/4		1/4	
1/2	1,630.40	1/2	1,376.26	1/2	1,122.12	1/2	867.98	1/2	616.50	1/2	365.73	1/2	111.63	1/2		1/2		1/2	
3/4	1,625.11	3/4	1,370.97	3/4	1,116.82	3/4	862.68	3/4	611.27	3/4	360.44	3/4	106.33	3/4		3/4		3/4	
6	1,619.81	6	1,365.67	6	1,111.53	6	857.39	6	606.05	6	355.15	6	101.04	6		6		6	
1/4	1,614.52	1/4	1,360.38	1/4	1,106.24	1/4	852.09	1/4	600.83	1/4	349.85	1/4	95.74	1/4		1/4		1/4	
1/2	1,609.22	1/2	1,355.08	1/2	1,100.94	1/2	846.80	1/2	595.61	1/2	344.56	1/2	90.45	1/2		1/2		1/2	
3/4	1,603.93	3/4	1,349.79	3/4	1,095.65	3/4	841.51	3/4	590.38	3/4	339.26	3/4	85.16	3/4		3/4		3/4	
7	1,598.63	7	1,344.49	7	1,090.35	7	836.21	7	585.16	7	333.97	7	79.86	7		7		7	
1/4	1,593.34	1/4	1,339.20	1/4	1,085.06	1/4	830.92	1/4	579.94	1/4	328.68	1/4	74.57	1/4		1/4		1/4	
1/2	1,588.04	1/2	1,333.90	1/2	1,079.76	1/2	825.62	1/2	574.72	1/2	323.38	1/2	69.27	1/2		1/2		1/2	
3/4	1,582.75	3/4	1,328.61	3/4	1,074.47	3/4	820.33	3/4	569.49	3/4	318.09	3/4	63.98	3/4		3/4		3/4	
8	1,577.45	8	1,323.31	8	1,069.17	8	815.03	8	564.27	8	312.79	8	58.69	8		8		8	
1/4	1,572.16	1/4	1,318.02	1/4	1,063.88	1/4	809.74	1/4	559.05	1/4	307.50	1/4	53.39	1/4		1/4		1/4	
1/2	1,566.87	1/2	1,312.72	1/2	1,058.58	1/2	804.51	1/2	553.82	1/2	302.21	1/2	48.10	1/2		1/2		1/2	
3/4	1,561.57	3/4	1,307.43	3/4	1,053.29	3/4	799.29	3/4	548.60	3/4	296.91	3/4	42.80	3/4		3/4		3/4	
9	1,556.28	9	1,302.14	9	1,047.99	9	794.07	9	543.38	9	291.62	9	37.51	9		9		9	
1/4	1,550.98	1/4	1,296.84	1/4	1,042.70	1/4	788.84	1/4	538.16	1/4	286.32	1/4	32.22	1/4		1/4		1/4	
1/2	1,545.69	1/2	1,291.55	1/2	1,037.41	1/2	783.62	1/2	532.93	1/2	281.03	1/2	27.81	1/2		1/2		1/2	
3/4	1,540.39	3/4	1,286.25	3/4	1,032.11	3/4	778.40	3/4	527.71	3/4	275.74	3/4	23.39	3/4		3/4		3/4	
10	1,535.10	10	1,280.96	10	1,026.82	10	773.17	10	522.49	10	270.44	10	18.98	10		10		10	
1/4	1,529.80	1/4	1,275.66	1/4	1,021.52	1/4	767.95	1/4	517.27	1/4	265.15	1/4	14.57	1/4		1/4		1/4	
1/2	1,524.51	1/2	1,270.37	1/2	1,016.23	1/2	762.73	1/2	512.04	1/2	259.85	1/2	11.92	1/2		1/2		1/2	
3/4	1,519.21	3/4	1,265.07	3/4	1,010.93	3/4	757.50	3/4	506.82	3/4	254.56	3/4	9.28	3/4		3/4		3/4	
11	1,513.92	11	1,259.78	11	1,005.64	11	752.28	11	501.60	11	249.27	11	6.63	11		11		11	
1/4	1,508.62	1/4	1,254.48	1/4	1,000.34	1/4	747.06	1/4	496.37	1/4	243.97	1/4	3.99	1/4		1/4		1/4	
1/2	1,503.33	1/2	1,249.19	1/2	995.05	1/2	741.83	1/2	491.15	1/2	238.68	1/2	3.10	1/2		1/2		1/2	
3/4	1,498.04	3/4	1,243.89	3/4	989.75	3/4	736.61	3/4	485.93	3/4	233.39	3/4	2.22	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/30/2007 CL - SW
CALCULATED: 07/30/2007 CL
PRINTED: 07/30/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 11324"

3 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-00 3/8"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	3,767.05	0	3,496.12	0	3,225.19	0	2,954.27	0	2,683.34	0	2,412.41	0	2,141.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,761.40	1/4	3,490.48	1/4	3,219.55	1/4	2,948.62	1/4	2,677.70	1/4	2,406.77	1/4	2,135.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,755.76	1/2	3,484.83	1/2	3,213.91	1/2	2,942.98	1/2	2,672.05	1/2	2,401.13	1/2	2,130.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,750.11	3/4	3,479.19	3/4	3,208.26	3/4	2,937.33	3/4	2,666.41	3/4	2,395.48	3/4	2,124.56		
1		1		1		1	3,744.47	1	3,473.54	1	3,202.62	1	2,931.69	1	2,660.76	1	2,389.84	1	2,118.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,738.83	1/4	3,467.90	1/4	3,196.97	1/4	2,926.05	1/4	2,655.12	1/4	2,384.19	1/4	2,113.27		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,733.18	1/2	3,462.25	1/2	3,191.33	1/2	2,920.40	1/2	2,649.48	1/2	2,378.55	1/2	2,107.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,727.54	3/4	3,456.61	3/4	3,185.68	3/4	2,914.76	3/4	2,643.83	3/4	2,372.90	3/4	2,101.98		
2		2		2		2	3,721.89	2	3,450.97	2	3,180.04	2	2,909.11	2	2,638.19	2	2,367.26	2	2,096.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,716.25	1/4	3,445.32	1/4	3,174.40	1/4	2,903.47	1/4	2,632.54	1/4	2,361.62	1/4	2,090.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,710.60	1/2	3,439.68	1/2	3,168.75	1/2	2,897.82	1/2	2,626.90	1/2	2,355.97	1/2	2,085.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,704.96	3/4	3,434.03	3/4	3,163.11	3/4	2,892.18	3/4	2,621.25	3/4	2,350.33	3/4	2,079.40		
3		3		3		3	3,699.31	3	3,428.39	3	3,157.46	3	2,886.54	3	2,615.61	3	2,344.68	3	2,073.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,693.67	1/4	3,422.74	1/4	3,151.82	1/4	2,880.89	1/4	2,609.97	1/4	2,339.04	1/4	2,068.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,688.03	1/2	3,417.10	1/2	3,146.17	1/2	2,875.25	1/2	2,604.32	1/2	2,333.39	1/2	2,062.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,682.38	3/4	3,411.46	3/4	3,140.53	3/4	2,869.60	3/4	2,598.68	3/4	2,327.75	3/4	2,056.82		
4		4		4		4	3,676.74	4	3,405.81	4	3,134.88	4	2,863.96	4	2,593.03	4	2,322.11	4	2,051.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,671.09	1/4	3,400.17	1/4	3,129.24	1/4	2,858.31	1/4	2,587.39	1/4	2,316.46	1/4	2,045.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,665.45	1/2	3,394.52	1/2	3,123.60	1/2	2,852.67	1/2	2,581.74	1/2	2,310.82	1/2	2,039.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,659.80	3/4	3,388.88	3/4	3,117.95	3/4	2,847.03	3/4	2,576.10	3/4	2,305.17	3/4	2,034.25		
5		5		5		5	3,654.16	5	3,383.23	5	3,112.31	5	2,841.38	5	2,570.45	5	2,299.53	5	2,028.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,648.52	1/4	3,377.59	1/4	3,106.66	1/4	2,835.74	1/4	2,564.81	1/4	2,293.88	1/4	2,022.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,642.87	1/2	3,371.95	1/2	3,101.02	1/2	2,830.09	1/2	2,559.17	1/2	2,288.24	1/2	2,017.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,637.23	3/4	3,366.30	3/4	3,095.37	3/4	2,824.45	3/4	2,553.52	3/4	2,282.60	3/4	2,011.67		
6		6		6		6	3,631.58	6	3,360.66	6	3,089.73	6	2,818.80	6	2,547.88	6	2,276.95	6	2,006.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,625.94	1/4	3,355.01	1/4	3,084.09	1/4	2,813.16	1/4	2,542.23	1/4	2,271.31	1/4	2,000.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,620.29	1/2	3,349.37	1/2	3,078.44	1/2	2,807.52	1/2	2,536.59	1/2	2,265.66	1/2	1,994.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,614.65	3/4	3,343.72	3/4	3,072.80	3/4	2,801.87	3/4	2,530.94	3/4	2,260.02	3/4	1,989.09		
7		7	1/8	3,843.25	7	3,609.01	7	3,338.08	7	3,067.15	7	2,796.23	7	2,525.30	7	2,254.37	7	1,983.45			
1/4	1/4	1/4	1/4	3,843.13	1/4	3,603.36	1/4	3,332.44	1/4	3,061.51	1/4	2,790.58	1/4	2,519.66	1/4	2,248.73	1/4	1,977.80			
1/2	1/2	1/2	1/2	3,842.31	1/2	3,597.72	1/2	3,326.79	1/2	3,055.86	1/2	2,784.94	1/2	2,514.01	1/2	2,243.09	1/2	1,972.16			
3/4	3/4	3/4	3/4	3,840.90	3/4	3,592.07	3/4	3,321.15	3/4	3,050.22	3/4	2,779.29	3/4	2,508.37	3/4	2,237.44	3/4	1,966.51			
8		8		3,839.49	8	3,586.43	8	3,315.50	8	3,044.58	8	2,773.65	8	2,502.72	8	2,231.80	8	1,960.87			
1/4	1/4	1/4	1/4	3,838.08	1/4	3,580.78	1/4	3,309.86	1/4	3,038.93	1/4	2,768.01	1/4	2,497.08	1/4	2,226.15	1/4	1,955.23			
1/2	1/2	1/2	1/2	3,835.73	1/2	3,575.14	1/2	3,304.21	1/2	3,033.29	1/2	2,762.36	1/2	2,491.43	1/2	2,220.51	1/2	1,949.58			
3/4	3/4	3/4	3/4	3,832.43	3/4	3,569.50	3/4	3,298.57	3/4	3,027.64	3/4	2,756.72	3/4	2,485.79	3/4	2,214.86	3/4	1,943.94			
9		9		3,829.14	9	3,563.85	9	3,292.93	9	3,022.00	9	2,751.07	9	2,480.15	9	2,209.22	9	1,938.29			
1/4	1/4	1/4	1/4	3,825.85	1/4	3,558.21	1/4	3,287.28	1/4	3,016.35	1/4	2,745.43	1/4	2,474.50	1/4	2,203.58	1/4	1,932.65			
1/2	1/2	1/2	1/2	3,821.64	1/2	3,552.56	1/2	3,281.64	1/2	3,010.71	1/2	2,739.78	1/2	2,468.86	1/2	2,197.93	1/2	1,927.00			
3/4	3/4	3/4	3/4	3,816.53	3/4	3,546.92	3/4	3,275.99	3/4	3,005.07	3/4	2,734.14	3/4	2,463.21	3/4	2,192.29	3/4	1,921.36			
10		10		3,811.41	10	3,541.27	10	3,270.35	10	2,999.42	10	2,728.50	10	2,457.57	10	2,186.64	10	1,915.72			
1/4	1/4	1/4	1/4	3,806.29	1/4	3,535.63	1/4	3,264.70	1/4	2,993.78	1/4	2,722.85	1/4	2,451.92	1/4	2,181.00	1/4	1,910.07			
1/2	1/2	1/2	1/2	3,800.91	1/2	3,529.99	1/2	3,259.06	1/2	2,988.13	1/2	2,717.21	1/2	2,446.28	1/2	2,175.35	1/2	1,904.43			
3/4	3/4	3/4	3/4	3,795.27	3/4	3,524.34	3/4	3,253.42	3/4	2,982.49	3/4	2,711.56	3/4	2,440.64	3/4	2,169.71	3/4	1,898.78			
11		11		3,789.62	11	3,518.70	11	3,247.77	11	2,976.84	11	2,705.92	11	2,434.99	11	2,164.07	11	1,893.14			
1/4	1/4	1/4	1/4	3,783.98	1/4	3,513.05	1/4	3,242.13	1/4	2,971.20	1/4	2,700.27	1/4	2,429.35	1/4	2,158.42	1/4	1,887.49			
1/2	1/2	1/2	1/2	3,778.34	1/2	3,507.41	1/2	3,236.48	1/2	2,965.56	1/2	2,694.63	1/2	2,423.70	1/2	2,152.78	1/2	1,881.85			
3/4	3/4	3/4	3/4	3,772.69	3/4	3,501.76	3/4	3,230.84	3/4	2,959.91	3/4	2,688.99	3/4	2,418.06	3/4	2,147.13	3/4	1,876.21			

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 ON CENTERLINE AND 27'-04" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11324"

3 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-00 3/8"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,870.56	0	1,599.64	0	1,328.71	0	1,057.78	0	787.18	0	516.87	0	245.97	0	1.87	0		0	
1/4	1,864.92	1/4	1,593.99	1/4	1,323.06	1/4	1,052.14	1/4	781.56	1/4	511.23	1/4	240.32	1/4	0.93	1/4		1/4	
1/2	1,859.27	1/2	1,588.35	1/2	1,317.42	1/2	1,046.49	1/2	775.94	1/2	505.58	1/2	234.68	3/8	0.46	1/2		1/2	
3/4	1,853.63	3/4	1,582.70	3/4	1,311.78	3/4	1,040.85	3/4	770.32	3/4	499.94	3/4	229.03	3/4		3/4		3/4	
1	1,847.98	1	1,577.06	1	1,306.13	1	1,035.21	1	764.70	1	494.30	1	223.39	1		1		1	
1/4	1,842.34	1/4	1,571.41	1/4	1,300.49	1/4	1,029.56	1/4	759.08	1/4	488.65	1/4	217.75	1/4		1/4		1/4	
1/2	1,836.70	1/2	1,565.77	1/2	1,294.84	1/2	1,023.92	1/2	753.46	1/2	483.01	1/2	212.10	1/2		1/2		1/2	
3/4	1,831.05	3/4	1,560.13	3/4	1,289.20	3/4	1,018.27	3/4	747.84	3/4	477.37	3/4	206.46	3/4		3/4		3/4	
2	1,825.41	2	1,554.48	2	1,283.55	2	1,012.63	2	742.22	2	471.72	2	200.81	2		2		2	
1/4	1,819.76	1/4	1,548.84	1/4	1,277.91	1/4	1,006.98	1/4	736.60	1/4	466.08	1/4	195.17	1/4		1/4		1/4	
1/2	1,814.12	1/2	1,543.19	1/2	1,272.27	1/2	1,001.34	1/2	730.98	1/2	460.43	1/2	189.53	1/2		1/2		1/2	
3/4	1,808.47	3/4	1,537.55	3/4	1,266.62	3/4	995.70	3/4	725.36	3/4	454.79	3/4	183.88	3/4		3/4		3/4	
3	1,802.83	3	1,531.90	3	1,260.98	3	990.05	3	719.74	3	449.15	3	178.24	3		3		3	
1/4	1,797.19	1/4	1,526.26	1/4	1,255.33	1/4	984.41	1/4	714.11	1/4	443.50	1/4	172.59	1/4		1/4		1/4	
1/2	1,791.54	1/2	1,520.62	1/2	1,249.69	1/2	978.76	1/2	708.49	1/2	437.86	1/2	166.95	1/2		1/2		1/2	
3/4	1,785.90	3/4	1,514.97	3/4	1,244.04	3/4	973.12	3/4	702.87	3/4	432.21	3/4	161.31	3/4		3/4		3/4	
4	1,780.25	4	1,509.33	4	1,238.40	4	967.47	4	697.25	4	426.57	4	155.66	4		4		4	
1/4	1,774.61	1/4	1,503.68	1/4	1,232.76	1/4	961.83	1/4	691.63	1/4	420.93	1/4	150.02	1/4		1/4		1/4	
1/2	1,768.96	1/2	1,498.04	1/2	1,227.11	1/2	956.19	1/2	686.01	1/2	415.28	1/2	144.37	1/2		1/2		1/2	
3/4	1,763.32	3/4	1,492.39	3/4	1,221.47	3/4	950.54	3/4	680.39	3/4	409.64	3/4	138.73	3/4		3/4		3/4	
5	1,757.68	5	1,486.75	5	1,215.82	5	944.90	5	674.77	5	403.99	5	133.09	5		5		5	
1/4	1,752.03	1/4	1,481.11	1/4	1,210.18	1/4	939.25	1/4	669.15	1/4	398.35	1/4	127.44	1/4		1/4		1/4	
1/2	1,746.39	1/2	1,475.46	1/2	1,204.53	1/2	933.61	1/2	663.53	1/2	392.71	1/2	121.80	1/2		1/2		1/2	
3/4	1,740.74	3/4	1,469.82	3/4	1,198.89	3/4	927.96	3/4	657.91	3/4	387.06	3/4	116.16	3/4		3/4		3/4	
6	1,735.10	6	1,464.17	6	1,193.25	6	922.32	6	652.29	6	381.42	6	110.51	6		6		6	
1/4	1,729.45	1/4	1,458.53	1/4	1,187.60	1/4	916.68	1/4	646.67	1/4	375.77	1/4	104.87	1/4		1/4		1/4	
1/2	1,723.81	1/2	1,452.88	1/2	1,181.96	1/2	911.03	1/2	641.03	1/2	370.13	1/2	99.22	1/2		1/2		1/2	
3/4	1,718.17	3/4	1,447.24	3/4	1,176.31	3/4	905.39	3/4	635.39	3/4	364.49	3/4	93.58	3/4		3/4		3/4	
7	1,712.52	7	1,441.59	7	1,170.67	7	899.74	7	629.75	7	358.84	7	87.94	7		7		7	
1/4	1,706.88	1/4	1,435.95	1/4	1,165.02	1/4	894.10	1/4	624.11	1/4	353.20	1/4	82.29	1/4		1/4		1/4	
1/2	1,701.23	1/2	1,430.31	1/2	1,159.38	1/2	888.45	1/2	618.46	1/2	347.56	1/2	76.65	1/2		1/2		1/2	
3/4	1,695.59	3/4	1,424.66	3/4	1,153.74	3/4	882.81	3/4	612.82	3/4	341.91	3/4	71.00	3/4		3/4		3/4	
8	1,689.94	8	1,419.02	8	1,148.09	8	877.16	8	607.17	8	336.27	8	65.36	8		8		8	
1/4	1,684.30	1/4	1,413.37	1/4	1,142.45	1/4	871.52	1/4	601.53	1/4	330.62	1/4	59.72	1/4		1/4		1/4	
1/2	1,678.66	1/2	1,407.73	1/2	1,136.80	1/2	865.89	1/2	595.89	1/2	324.98	1/2	54.07	1/2		1/2		1/2	
3/4	1,673.01	3/4	1,402.08	3/4	1,131.16	3/4	860.27	3/4	590.24	3/4	319.34	3/4	48.43	3/4		3/4		3/4	
9	1,667.37	9	1,396.44	9	1,125.51	9	854.64	9	584.60	9	313.69	9	42.78	9		9		9	
1/4	1,661.72	1/4	1,390.80	1/4	1,119.87	1/4	849.02	1/4	578.96	1/4	308.05	1/4	37.14	1/4		1/4		1/4	
1/2	1,656.08	1/2	1,385.15	1/2	1,114.23	1/2	843.40	1/2	573.31	1/2	302.40	1/2	31.97	1/2		1/2		1/2	
3/4	1,650.43	3/4	1,379.51	3/4	1,108.58	3/4	837.78	3/4	567.67	3/4	296.76	3/4	27.26	3/4		3/4		3/4	
10	1,644.79	10	1,373.86	10	1,102.94	10	832.16	10	562.02	10	291.12	10	22.56	10		10		10	
1/4	1,639.15	1/4	1,368.22	1/4	1,097.29	1/4	826.53	1/4	556.38	1/4	285.47	1/4	17.86	1/4		1/4		1/4	
1/2	1,633.50	1/2	1,362.57	1/2	1,091.65	1/2	820.91	1/2	550.74	1/2	279.83	1/2	14.10	1/2		1/2		1/2	
3/4	1,627.86	3/4	1,356.93	3/4	1,086.00	3/4	815.29	3/4	545.09	3/4	274.18	3/4	11.27	3/4		3/4		3/4	
11	1,622.21	11	1,351.29	11	1,080.36	11	809.67	11	539.45	11	268.54	11	8.45	11		11		11	
1/4	1,616.57	1/4	1,345.64	1/4	1,074.72	1/4	804.05	1/4	533.80	1/4	262.90	1/4	5.63	1/4		1/4		1/4	
1/2	1,610.92	1/2	1,340.00	1/2	1,069.07	1/2	798.43	1/2	528.16	1/2	257.25	1/2	3.75	1/2		1/2		1/2	
3/4	1,605.28	3/4	1,334.35	3/4	1,063.43	3/4	792.80	3/4	522.52	3/4	251.61	3/4	2.81	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/30/2007 CL - SW
CALCULATED: 07/30/2007 CL
PRINTED: 07/30/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>