



BARGE "KIRBY 11522"

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	- 00-0/8	00-0/8	- 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
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 162'-09"

September 29, 2005

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11522"

1 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	3,642.10	0	3,394.58	0	3,147.30	0	2,896.73	0	2,624.11	0	2,351.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,636.94	1/4	3,389.42	1/4	3,142.14	1/4	2,891.05	1/4	2,618.43	1/4	2,345.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,631.79	1/2	3,384.27	1/2	3,136.99	1/2	2,885.37	1/2	2,612.75	1/2	2,340.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,626.63	3/4	3,379.11	3/4	3,131.83	3/4	2,879.69	3/4	2,607.07	3/4	2,334.35
1		1		1		1	3,846.44	1	3,621.48	1	3,373.95	1	3,126.68	1	2,874.01	1	2,601.39	1	2,328.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,844.68	1/4	3,616.32	1/4	3,368.80	1/4	3,121.52	1/4	2,868.33	1/4	2,595.71	1/4	2,322.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,842.91	1/2	3,611.17	1/2	3,363.65	1/2	3,116.37	1/2	2,862.65	1/2	2,590.03	1/2	2,317.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,841.15	3/4	3,606.01	3/4	3,358.49	3/4	3,111.21	3/4	2,856.97	3/4	2,584.35	3/4	2,311.62
2		2		2		2	3,839.39	2	3,600.85	2	3,353.34	2	3,106.06	2	2,851.29	2	2,578.67	2	2,305.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,836.00	1/4	3,595.70	1/4	3,348.19	1/4	3,100.91	1/4	2,845.61	1/4	2,572.98	1/4	2,300.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,832.61	1/2	3,590.54	1/2	3,343.04	1/2	3,095.75	1/2	2,839.93	1/2	2,567.30	1/2	2,294.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,829.22	3/4	3,585.38	3/4	3,337.89	3/4	3,090.60	3/4	2,834.25	3/4	2,561.62	3/4	2,288.89
3		3		3		3	3,825.83	3	3,580.22	3	3,332.74	3	3,085.44	3	2,828.57	3	2,555.94	3	2,283.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,821.15	1/4	3,575.07	1/4	3,327.59	1/4	3,080.29	1/4	2,822.89	1/4	2,550.26	1/4	2,277.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,816.47	1/2	3,569.91	1/2	3,322.44	1/2	3,075.13	1/2	2,817.21	1/2	2,544.58	1/2	2,271.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,811.79	3/4	3,564.75	3/4	3,317.29	3/4	3,069.98	3/4	2,811.54	3/4	2,538.89	3/4	2,266.17
4		4		4		4	3,807.11	4	3,559.60	4	3,312.14	4	3,064.82	4	2,805.86	4	2,533.21	4	2,260.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,801.95	1/4	3,554.44	1/4	3,306.99	1/4	3,059.67	1/4	2,800.18	1/4	2,527.53	1/4	2,254.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,796.79	1/2	3,549.28	1/2	3,301.84	1/2	3,054.51	1/2	2,794.50	1/2	2,521.85	1/2	2,249.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,791.64	3/4	3,544.13	3/4	3,296.69	3/4	3,049.36	3/4	2,788.82	3/4	2,516.17	3/4	2,243.48
5		5		5		5	3,786.48	5	3,538.97	5	3,291.54	5	3,044.20	5	2,783.14	5	2,510.49	5	2,237.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,781.32	1/4	3,533.81	1/4	3,286.39	1/4	3,039.05	1/4	2,777.46	1/4	2,504.80	1/4	2,232.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,776.17	1/2	3,528.66	1/2	3,281.24	1/2	3,033.89	1/2	2,771.78	1/2	2,499.12	1/2	2,226.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,771.01	3/4	3,523.50	3/4	3,276.09	3/4	3,028.74	3/4	2,766.10	3/4	2,493.44	3/4	2,220.85
6		6		6		6	3,765.85	6	3,518.34	6	3,270.94	6	3,023.58	6	2,760.42	6	2,487.76	6	2,215.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,760.70	1/4	3,513.19	1/4	3,265.79	1/4	3,018.43	1/4	2,754.74	1/4	2,482.08	1/4	2,209.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,755.54	1/2	3,508.03	1/2	3,260.64	1/2	3,013.28	1/2	2,749.06	1/2	2,476.39	1/2	2,203.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,750.38	3/4	3,502.87	3/4	3,255.49	3/4	3,008.12	3/4	2,743.38	3/4	2,470.71	3/4	2,198.22
7		7		7		7	3,745.23	7	3,497.72	7	3,250.34	7	3,002.97	7	2,737.70	7	2,465.03	7	2,192.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,740.07	1/4	3,492.56	1/4	3,245.19	1/4	2,997.81	1/4	2,732.02	1/4	2,459.35	1/4	2,186.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,734.91	1/2	3,487.40	1/2	3,240.04	1/2	2,992.66	1/2	2,726.34	1/2	2,453.67	1/2	2,181.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,729.76	3/4	3,482.25	3/4	3,234.89	3/4	2,987.50	3/4	2,720.66	3/4	2,447.99	3/4	2,175.60
8		8		8		8	3,724.60	8	3,477.09	8	3,229.74	8	2,982.35	8	2,714.99	8	2,442.30	8	2,169.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,719.44	1/4	3,471.93	1/4	3,224.59	1/4	2,977.19	1/4	2,709.31	1/4	2,436.62	1/4	2,164.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,714.29	1/2	3,466.78	1/2	3,219.44	1/2	2,972.04	1/2	2,703.63	1/2	2,430.94	1/2	2,158.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,709.13	3/4	3,461.62	3/4	3,214.29	3/4	2,966.88	3/4	2,697.95	3/4	2,425.26	3/4	2,152.98
9		9		9		9	3,703.97	9	3,456.46	9	3,209.14	9	2,961.73	9	2,692.27	9	2,419.58	9	2,147.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,698.82	1/4	3,451.30	1/4	3,203.99	1/4	2,956.57	1/4	2,686.59	1/4	2,413.89	1/4	2,141.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,693.66	1/2	3,446.15	1/2	3,198.84	1/2	2,951.42	1/2	2,680.91	1/2	2,408.21	1/2	2,136.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,688.50	3/4	3,440.99	3/4	3,193.69	3/4	2,946.26	3/4	2,675.23	3/4	2,402.53	3/4	2,130.36
10		10		10		10	3,683.35	10	3,435.83	10	3,188.54	10	2,941.11	10	2,669.55	10	2,396.85	10	2,124.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,678.19	1/4	3,430.68	1/4	3,183.38	1/4	2,935.99	1/4	2,663.87	1/4	2,391.17	1/4	2,119.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,673.03	1/2	3,425.52	1/2	3,178.23	1/2	2,930.28	1/2	2,658.19	1/2	2,385.49	1/2	2,113.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,667.88	3/4	3,420.36	3/4	3,173.07	3/4	2,924.86	3/4	2,652.51	3/4	2,379.80	3/4	2,107.74
11		11		11		11	3,662.72	11	3,415.21	11	3,167.92	11	2,919.44	11	2,646.83	11	2,374.12	11	2,102.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,657.57	1/4	3,410.05	1/4	3,162.76	1/4	2,913.76	1/4	2,641.15	1/4	2,368.44	1/4	2,096.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,652.41	1/2	3,404.89	1/2	3,157.61	1/2	2,908.09	1/2	2,635.47	1/2	2,362.76	1/2	2,090.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,647.26	3/4	3,399.74	3/4	3,152.45	3/4	2,902.41	3/4	2,629.79	3/4	2,357.08	3/4	2,085.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 1'-00" OFF CENTERLINE AND 28'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 11522"

1CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-09"

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	2,079.46	0	1,807.05	0	1,534.38	0	1,261.71	0	989.03	0	720.21	0	448.72	0	175.50	0		0	
1/4	2,073.81	1/4	1,801.37	1/4	1,528.70	1/4	1,256.03	1/4	983.35	1/4	714.66	1/4	443.04	1/4	169.81	1/4		1/4	
1/2	2,068.15	1/2	1,795.69	1/2	1,523.02	1/2	1,250.35	1/2	977.67	1/2	709.10	1/2	437.36	1/2	164.11	1/2		1/2	
3/4	2,062.50	3/4	1,790.01	3/4	1,517.34	3/4	1,244.67	3/4	971.99	3/4	703.55	3/4	431.67	3/4	158.42	3/4		3/4	
1	2,056.84	1	1,784.33	1	1,511.66	1	1,238.98	1	966.31	1	698.00	1	425.99	1	152.72	1		1	
1/4	2,051.18	1/4	1,778.65	1/4	1,505.98	1/4	1,233.30	1/4	960.63	1/4	692.45	1/4	420.31	1/4	147.03	1/4		1/4	
1/2	2,045.53	1/2	1,772.97	1/2	1,500.30	1/2	1,227.62	1/2	954.95	1/2	686.90	1/2	414.62	1/2	141.33	1/2		1/2	
3/4	2,039.87	3/4	1,767.29	3/4	1,494.62	3/4	1,221.94	3/4	949.27	3/4	681.34	3/4	408.94	3/4	135.64	3/4		3/4	
2	2,034.22	2	1,761.61	2	1,488.94	2	1,216.26	2	943.59	2	675.79	2	403.25	2	129.94	2		2	
1/4	2,028.55	1/4	1,755.93	1/4	1,483.25	1/4	1,210.58	1/4	937.91	1/4	670.17	1/4	397.57	1/4	124.25	1/4		1/4	
1/2	2,022.89	1/2	1,750.25	1/2	1,477.57	1/2	1,204.90	1/2	932.23	1/2	664.56	1/2	391.88	1/2	118.55	1/2		1/2	
3/4	2,017.22	3/4	1,744.57	3/4	1,471.89	3/4	1,199.22	3/4	926.55	3/4	658.94	3/4	386.20	3/4	112.86	3/4		3/4	
3	2,011.56	3	1,738.89	3	1,466.21	3	1,193.54	3	920.87	3	653.32	3	380.51	3	107.16	3		3	
1/4	2,005.88	1/4	1,733.21	1/4	1,460.53	1/4	1,187.86	1/4	915.18	1/4	647.64	1/4	374.82	1/4	101.46	1/4		1/4	
1/2	2,000.20	1/2	1,727.52	1/2	1,454.85	1/2	1,182.18	1/2	909.50	1/2	641.96	1/2	369.13	1/2	95.77	1/2		1/2	
3/4	1,994.52	3/4	1,721.84	3/4	1,449.17	3/4	1,176.50	3/4	903.82	3/4	636.27	3/4	363.44	3/4	90.07	3/4		3/4	
4	1,988.84	4	1,716.16	4	1,443.49	4	1,170.82	4	898.14	4	630.59	4	357.75	4	84.38	4		4	
1/4	1,983.16	1/4	1,710.48	1/4	1,437.81	1/4	1,165.14	1/4	892.53	1/4	624.91	1/4	352.05	1/4	78.68	1/4		1/4	
1/2	1,977.48	1/2	1,704.80	1/2	1,432.13	1/2	1,159.45	1/2	886.91	1/2	619.22	1/2	346.36	1/2	72.99	1/2		1/2	
3/4	1,971.79	3/4	1,699.12	3/4	1,426.45	3/4	1,153.77	3/4	881.29	3/4	613.54	3/4	340.66	3/4	67.29	3/4		3/4	
5	1,966.11	5	1,693.44	5	1,420.77	5	1,148.09	5	875.67	5	607.86	5	334.97	5	61.60	5		5	
1/4	1,960.43	1/4	1,687.76	1/4	1,415.09	1/4	1,142.41	1/4	870.12	1/4	602.18	1/4	329.27	1/4	55.90	1/4		1/4	
1/2	1,954.75	1/2	1,682.08	1/2	1,409.41	1/2	1,136.73	1/2	864.57	1/2	596.49	1/2	323.58	1/2	50.21	1/2		1/2	
3/4	1,949.07	3/4	1,676.40	3/4	1,403.73	3/4	1,131.05	3/4	858.91	3/4	590.81	3/4	317.88	3/4	44.51	3/4		3/4	
6	1,943.39	6	1,670.72	6	1,398.04	6	1,125.37	6	853.46	6	585.13	6	312.19	6	38.82	6		6	
1/4	1,937.71	1/4	1,665.04	1/4	1,392.36	1/4	1,119.69	1/4	847.91	1/4	579.44	1/4	306.49	1/4	33.70	1/4		1/4	
1/2	1,932.03	1/2	1,659.36	1/2	1,386.68	1/2	1,114.01	1/2	842.36	1/2	573.76	1/2	300.80	1/2	28.58	1/2		1/2	
3/4	1,926.35	3/4	1,653.68	3/4	1,381.00	3/4	1,108.33	3/4	836.80	3/4	568.08	3/4	295.10	3/4	23.46	3/4		3/4	
7	1,920.67	7	1,648.00	7	1,375.32	7	1,102.65	7	831.25	7	562.39	7	289.41	7	18.34	7		7	
1/4	1,914.99	1/4	1,642.31	1/4	1,369.64	1/4	1,096.97	1/4	825.70	1/4	556.71	1/4	283.71	1/4	14.96	1/4		1/4	
1/2	1,909.31	1/2	1,636.63	1/2	1,363.96	1/2	1,091.29	1/2	820.15	1/2	551.03	1/2	278.02	1/2	11.57	1/2		1/2	
3/4	1,903.63	3/4	1,630.95	3/4	1,358.28	3/4	1,085.61	3/4	814.59	3/4	545.34	3/4	272.32	3/4	8.18	3/4		3/4	
8	1,897.95	8	1,625.27	8	1,352.60	8	1,079.93	8	809.04	8	539.66	8	266.63	8	4.79	8		8	
1/4	1,892.27	1/4	1,619.59	1/4	1,346.92	1/4	1,074.24	1/4	803.49	1/4	533.98	1/4	260.93	1/4	3.72	1/4		1/4	
1/2	1,886.58	1/2	1,613.91	1/2	1,341.24	1/2	1,068.56	1/2	797.94	1/2	528.29	1/2	255.24	1/2	2.64	1/2		1/2	
3/4	1,880.90	3/4	1,608.23	3/4	1,335.56	3/4	1,062.88	3/4	792.39	3/4	522.61	3/4	249.54	3/4	1.56	3/4		3/4	
9	1,875.22	9	1,602.55	9	1,329.88	9	1,057.20	9	786.83	9	516.93	9	243.84	9	0.48	9		9	
1/4	1,869.54	1/4	1,596.87	1/4	1,324.20	1/4	1,051.52	1/4	781.28	1/4	511.24	1/4	238.15	1/4		1/4		1/4	
1/2	1,863.86	1/2	1,591.19	1/2	1,318.51	1/2	1,045.84	1/2	775.73	1/2	505.56	1/2	232.45	1/2		1/2		1/2	
3/4	1,858.18	3/4	1,585.51	3/4	1,312.83	3/4	1,040.16	3/4	770.18	3/4	499.88	3/4	226.76	3/4		3/4		3/4	
10	1,852.50	10	1,579.83	10	1,307.15	10	1,034.48	10	764.62	10	494.19	10	221.06	10		10		10	
1/4	1,846.82	1/4	1,574.15	1/4	1,301.47	1/4	1,028.80	1/4	759.07	1/4	488.51	1/4	215.37	1/4		1/4		1/4	
1/2	1,841.14	1/2	1,568.47	1/2	1,295.79	1/2	1,023.12	1/2	753.52	1/2	482.82	1/2	209.67	1/2		1/2		1/2	
3/4	1,835.46	3/4	1,562.78	3/4	1,290.11	3/4	1,017.44	3/4	747.97	3/4	477.14	3/4	203.98	3/4		3/4		3/4	
11	1,829.78	11	1,557.10	11	1,284.43	11	1,011.76	11	742.42	11	471.46	11	198.28	11		11		11	
1/4	1,824.10	1/4	1,551.42	1/4	1,278.75	1/4	1,006.08	1/4	736.86	1/4	465.77	1/4	192.59	1/4		1/4		1/4	
1/2	1,818.42	1/2	1,545.74	1/2	1,273.07	1/2	1,000.40	1/2	731.31	1/2	460.09	1/2	186.89	1/2		1/2		1/2	
3/4	1,812.74	3/4	1,540.06	3/4	1,267.39	3/4	994.71	3/4	725.76	3/4	454.41	3/4	181.20	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2005 CL - SW
CALCULATED: 09/30/2005 CL
PRINTED: 09/30/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2005

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



BARGE "KIRBY 11522"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-09 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			
0		0		0		0		0	3,410.23	0	3,160.86	0	2,911.50	0	2,662.13	0	2,412.77	0	2,163.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,405.03	1/4	3,155.67	1/4	2,906.30	1/4	2,656.94	1/4	2,407.57	1/4	2,158.21		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,399.84	1/2	3,150.47	1/2	2,901.11	1/2	2,651.74	1/2	2,402.38	1/2	2,153.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,394.64	3/4	3,145.28	3/4	2,895.91	3/4	2,646.55	3/4	2,397.18	3/4	2,147.82		
1	1	1	1	1	1	1	1	1	3,389.45	1	3,140.08	1	2,890.72	1	2,641.35	1	2,391.99	1	2,142.62		
1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3,608.49	1/4	3,384.25	1/4	3,134.89	1/4	2,885.52	1/4	2,636.16	1/4	2,386.79	1/4	2,137.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,607.63	1/2	3,379.06	1/2	3,129.69	1/2	2,880.33	1/2	2,630.96	1/2	2,381.60	1/2	2,132.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,605.90	3/4	3,373.86	3/4	3,124.50	3/4	2,875.13	3/4	2,625.77	3/4	2,376.40	3/4	2,127.04
2	2	2	2	2	2	2	2	2	3,604.17	2	3,368.67	2	3,119.30	2	2,869.94	2	2,620.57	2	2,371.21	2	2,121.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,602.43	1/4	3,363.47	1/4	3,114.11	1/4	2,864.74	1/4	2,615.38	1/4	2,366.01	1/4	2,116.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,599.84	1/2	3,358.28	1/2	3,108.91	1/2	2,859.55	1/2	2,610.18	1/2	2,360.82	1/2	2,111.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,596.37	3/4	3,353.08	3/4	3,103.72	3/4	2,854.35	3/4	2,604.99	3/4	2,355.62	3/4	2,106.26
3	3	3	3	3	3	3	3	3	3,592.91	3	3,347.89	3	3,098.52	3	2,849.16	3	2,599.79	3	2,350.43	3	2,101.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,589.44	1/4	3,342.69	1/4	3,093.33	1/4	2,843.96	1/4	2,594.60	1/4	2,345.23	1/4	2,095.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,585.33	1/2	3,337.50	1/2	3,088.13	1/2	2,838.77	1/2	2,589.40	1/2	2,340.04	1/2	2,090.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,580.57	3/4	3,332.30	3/4	3,082.94	3/4	2,833.57	3/4	2,584.21	3/4	2,334.84	3/4	2,085.48
4	4	4	4	4	4	4	4	4	3,575.81	4	3,327.11	4	3,077.74	4	2,828.38	4	2,579.01	4	2,329.65	4	2,080.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,571.05	1/4	3,321.91	1/4	3,072.55	1/4	2,823.18	1/4	2,573.82	1/4	2,324.45	1/4	2,075.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,566.08	1/2	3,316.72	1/2	3,067.35	1/2	2,817.99	1/2	2,568.62	1/2	2,319.26	1/2	2,069.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,560.89	3/4	3,311.52	3/4	3,062.16	3/4	2,812.79	3/4	2,563.43	3/4	2,314.06	3/4	2,064.70
5	5	5	5	5	5	5	5	5	3,555.69	5	3,306.33	5	3,056.96	5	2,807.60	5	2,558.23	5	2,308.87	5	2,059.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,550.49	1/4	3,301.13	1/4	3,051.77	1/4	2,802.40	1/4	2,553.04	1/4	2,303.67	1/4	2,054.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,545.30	1/2	3,295.93	1/2	3,046.57	1/2	2,797.21	1/2	2,547.84	1/2	2,298.48	1/2	2,049.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,540.10	3/4	3,290.74	3/4	3,041.38	3/4	2,792.01	3/4	2,542.65	3/4	2,293.28	3/4	2,043.92
6	6	6	6	6	6	6	6	6	3,534.91	6	3,285.54	6	3,036.18	6	2,786.82	6	2,537.45	6	2,288.09	6	2,038.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,529.71	1/4	3,280.35	1/4	3,030.98	1/4	2,781.62	1/4	2,532.26	1/4	2,282.89	1/4	2,033.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,524.52	1/2	3,275.15	1/2	3,025.79	1/2	2,776.42	1/2	2,527.06	1/2	2,277.70	1/2	2,028.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,519.32	3/4	3,269.96	3/4	3,020.59	3/4	2,771.23	3/4	2,521.87	3/4	2,272.50	3/4	2,023.14
7	7	7	7	7	7	7	7	7	3,514.13	7	3,264.76	7	3,015.40	7	2,766.03	7	2,516.67	7	2,267.31	7	2,017.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,508.93	1/4	3,259.57	1/4	3,010.20	1/4	2,760.84	1/4	2,511.47	1/4	2,262.11	1/4	2,012.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,503.74	1/2	3,254.37	1/2	3,005.01	1/2	2,755.64	1/2	2,506.28	1/2	2,256.91	1/2	2,007.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,498.54	3/4	3,249.18	3/4	2,999.81	3/4	2,750.45	3/4	2,501.08	3/4	2,251.72	3/4	2,002.36
8	8	8	8	8	8	8	8	8	3,493.35	8	3,243.98	8	2,994.62	8	2,745.25	8	2,495.89	8	2,246.52	8	1,997.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,488.15	1/4	3,238.79	1/4	2,989.42	1/4	2,740.06	1/4	2,490.69	1/4	2,241.33	1/4	1,991.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,482.96	1/2	3,233.59	1/2	2,984.23	1/2	2,734.86	1/2	2,485.50	1/2	2,236.13	1/2	1,986.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,477.76	3/4	3,228.40	3/4	2,979.03	3/4	2,729.67	3/4	2,480.30	3/4	2,230.94	3/4	1,981.57
9	9	9	9	9	9	9	9	9	3,472.57	9	3,223.20	9	2,973.84	9	2,724.47	9	2,475.11	9	2,225.74	9	1,976.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,467.37	1/4	3,218.01	1/4	2,968.64	1/4	2,719.28	1/4	2,469.91	1/4	2,220.55	1/4	1,971.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,462.18	1/2	3,212.81	1/2	2,963.45	1/2	2,714.08	1/2	2,464.72	1/2	2,215.35	1/2	1,965.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,456.98	3/4	3,207.62	3/4	2,958.25	3/4	2,708.89	3/4	2,459.52	3/4	2,210.16	3/4	1,960.79
10	10	10	10	10	10	10	10	10	3,451.79	10	3,202.42	10	2,953.06	10	2,703.69	10	2,454.33	10	2,204.96	10	1,955.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,446.59	1/4	3,197.23	1/4	2,947.86	1/4	2,698.50	1/4	2,449.13	1/4	2,199.77	1/4	1,950.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,441.40	1/2	3,192.03	1/2	2,942.67	1/2	2,693.30	1/2	2,443.94	1/2	2,194.57	1/2	1,945.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,436.20	3/4	3,186.84	3/4	2,937.47	3/4	2,688.11	3/4	2,438.74	3/4	2,189.38	3/4	1,940.01
11	11	11	11	11	11	11	11	11	3,431.01	11	3,181.64	11	2,932.28	11	2,682.91	11	2,433.55	11	2,184.18	11	1,934.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,425.81	1/4	3,176.45	1/4	2,927.08	1/4	2,677.72	1/4	2,428.35	1/4	2,178.99	1/4	1,929.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,420.62	1/2	3,171.25	1/2	2,921.89	1/2	2,672.52	1/2	2,423.16	1/2	2,173.79	1/2	1,924.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,415.42	3/4	3,166.06	3/4	2,916.69	3/4	2,667.33	3/4	2,417.96	3/4	2,168.60	3/4	1,919.23

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 1'-00" OFF CENTERLINE AND 28'-11" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 11522"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-09 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	1,914.04	0	1,664.67	0	1,415.31	0	1,165.94	0	916.58	0	671.55	0	423.98	0	174.64	0		0	
1/4	1,908.84	1/4	1,659.48	1/4	1,410.11	1/4	1,160.75	1/4	911.38	1/4	666.51	1/4	418.78	1/4	169.44	1/4		1/4	
1/2	1,903.65	1/2	1,654.28	1/2	1,404.92	1/2	1,155.55	1/2	906.19	1/2	661.47	1/2	413.59	1/2	164.25	1/2		1/2	
3/4	1,898.45	3/4	1,649.09	3/4	1,399.72	3/4	1,150.36	3/4	900.99	3/4	656.43	3/4	408.39	3/4	159.05	3/4		3/4	
1	1,893.26	1	1,643.89	1	1,394.53	1	1,145.16	1	895.80	1	651.38	1	403.20	1	153.86	1		1	
1/4	1,888.06	1/4	1,638.70	1/4	1,389.33	1/4	1,139.97	1/4	890.60	1/4	646.34	1/4	398.01	1/4	148.66	1/4		1/4	
1/2	1,882.87	1/2	1,633.50	1/2	1,384.14	1/2	1,134.77	1/2	885.41	1/2	641.30	1/2	392.81	1/2	143.47	1/2		1/2	
3/4	1,877.67	3/4	1,628.31	3/4	1,378.94	3/4	1,129.58	3/4	880.21	3/4	636.26	3/4	387.62	3/4	138.28	3/4		3/4	
2	1,872.48	2	1,623.11	2	1,373.75	2	1,124.38	2	875.02	2	631.21	2	382.42	2	133.08	2		2	
1/4	1,867.28	1/4	1,617.92	1/4	1,368.55	1/4	1,119.19	1/4	869.82	1/4	626.17	1/4	377.23	1/4	127.89	1/4		1/4	
1/2	1,862.09	1/2	1,612.72	1/2	1,363.36	1/2	1,113.99	1/2	864.63	1/2	621.09	1/2	372.03	1/2	122.69	1/2		1/2	
3/4	1,856.89	3/4	1,607.53	3/4	1,358.16	3/4	1,108.80	3/4	859.43	3/4	615.97	3/4	366.84	3/4	117.50	3/4		3/4	
3	1,851.70	3	1,602.33	3	1,352.97	3	1,103.60	3	854.24	3	610.86	3	361.64	3	112.30	3		3	
1/4	1,846.50	1/4	1,597.14	1/4	1,347.77	1/4	1,098.41	1/4	849.04	1/4	605.74	1/4	356.45	1/4	107.11	1/4		1/4	
1/2	1,841.31	1/2	1,591.94	1/2	1,342.58	1/2	1,093.21	1/2	843.85	1/2	600.58	1/2	351.25	1/2	101.91	1/2		1/2	
3/4	1,836.11	3/4	1,586.75	3/4	1,337.38	3/4	1,088.02	3/4	838.65	3/4	595.39	3/4	346.06	3/4	96.72	3/4		3/4	
4	1,830.92	4	1,581.55	4	1,332.19	4	1,082.82	4	833.46	4	590.19	4	340.87	4	91.52	4		4	
1/4	1,825.72	1/4	1,576.36	1/4	1,326.99	1/4	1,077.63	1/4	828.26	1/4	585.00	1/4	335.67	1/4	86.33	1/4		1/4	
1/2	1,820.53	1/2	1,571.16	1/2	1,321.80	1/2	1,072.43	1/2	823.11	1/2	579.81	1/2	330.48	1/2	81.14	1/2		1/2	
3/4	1,815.33	3/4	1,565.97	3/4	1,316.60	3/4	1,067.24	3/4	817.99	3/4	574.61	3/4	325.28	3/4	75.94	3/4		3/4	
5	1,810.14	5	1,560.77	5	1,311.41	5	1,062.04	5	812.87	5	569.42	5	320.09	5	70.75	5		5	
1/4	1,804.94	1/4	1,555.58	1/4	1,306.21	1/4	1,056.85	1/4	807.75	1/4	564.23	1/4	314.89	1/4	65.55	1/4		1/4	
1/2	1,799.75	1/2	1,550.38	1/2	1,301.02	1/2	1,051.65	1/2	802.67	1/2	559.03	1/2	309.70	1/2	60.36	1/2		1/2	
3/4	1,794.55	3/4	1,545.19	3/4	1,295.82	3/4	1,046.46	3/4	797.62	3/4	553.84	3/4	304.50	3/4	55.16	3/4		3/4	
6	1,789.36	6	1,539.99	6	1,290.63	6	1,041.26	6	792.58	6	548.65	6	299.31	6	49.97	6		6	
1/4	1,784.16	1/4	1,534.80	1/4	1,285.43	1/4	1,036.07	1/4	787.53	1/4	543.45	1/4	294.11	1/4	44.77	1/4		1/4	
1/2	1,778.97	1/2	1,529.60	1/2	1,280.24	1/2	1,030.87	1/2	782.49	1/2	538.26	1/2	288.92	1/2	39.79	1/2		1/2	
3/4	1,773.77	3/4	1,524.41	3/4	1,275.04	3/4	1,025.68	3/4	777.45	3/4	533.07	3/4	283.72	3/4	35.03	3/4		3/4	
7	1,768.58	7	1,519.21	7	1,269.85	7	1,020.48	7	772.40	7	527.87	7	278.53	7	30.27	7		7	
1/4	1,763.38	1/4	1,514.02	1/4	1,264.65	1/4	1,015.29	1/4	767.36	1/4	522.68	1/4	273.34	1/4	25.51	1/4		1/4	
1/2	1,758.19	1/2	1,508.82	1/2	1,259.46	1/2	1,010.09	1/2	762.32	1/2	517.48	1/2	268.14	1/2	21.40	1/2		1/2	
3/4	1,752.99	3/4	1,503.63	3/4	1,254.26	3/4	1,004.90	3/4	757.27	3/4	512.29	3/4	262.95	3/4	17.93	3/4		3/4	
8	1,747.80	8	1,498.43	8	1,249.07	8	999.70	8	752.23	8	507.09	8	257.75	8	14.47	8		8	
1/4	1,742.60	1/4	1,493.24	1/4	1,243.87	1/4	994.51	1/4	747.19	1/4	501.90	1/4	252.56	1/4	11.01	1/4		1/4	
1/2	1,737.40	1/2	1,488.04	1/2	1,238.68	1/2	989.31	1/2	742.15	1/2	496.70	1/2	247.36	1/2	8.41	1/2		1/2	
3/4	1,732.21	3/4	1,482.85	3/4	1,233.48	3/4	984.12	3/4	737.11	3/4	491.51	3/4	242.17	3/4	6.68	3/4		3/4	
9	1,727.01	9	1,477.65	9	1,228.29	9	978.92	9	732.06	9	486.31	9	236.97	9	4.95	9		9	
1/4	1,721.82	1/4	1,472.45	1/4	1,223.09	1/4	973.73	1/4	727.02	1/4	481.12	1/4	231.78	1/4	3.22	1/4		1/4	
1/2	1,716.62	1/2	1,467.26	1/2	1,217.89	1/2	968.53	1/2	721.98	1/2	475.92	1/2	226.58	1/2	2.35	1/2		1/2	
3/4	1,711.43	3/4	1,462.06	3/4	1,212.70	3/4	963.34	3/4	716.94	3/4	470.73	3/4	221.39	3/4		3/4		3/4	
10	1,706.23	10	1,456.87	10	1,207.50	10	958.14	10	711.89	10	465.54	10	216.19	10		10		10	
1/4	1,701.04	1/4	1,451.67	1/4	1,202.31	1/4	952.94	1/4	706.85	1/4	460.34	1/4	211.00	1/4		1/4		1/4	
1/2	1,695.84	1/2	1,446.48	1/2	1,197.11	1/2	947.75	1/2	701.81	1/2	455.15	1/2	205.81	1/2		1/2		1/2	
3/4	1,690.65	3/4	1,441.28	3/4	1,191.92	3/4	942.55	3/4	696.77	3/4	449.95	3/4	200.61	3/4		3/4		3/4	
11	1,685.45	11	1,436.09	11	1,186.72	11	937.36	11	691.72	11	444.76	11	195.42	11		11		11	
1/4	1,680.26	1/4	1,430.89	1/4	1,181.53	1/4	932.16	1/4	686.68	1/4	439.56	1/4	190.22	1/4		1/4		1/4	
1/2	1,675.06	1/2	1,425.70	1/2	1,176.33	1/2	926.97	1/2	681.64	1/2	434.37	1/2	185.03	1/2		1/2		1/2	
3/4	1,669.87	3/4	1,420.50	3/4	1,171.14	3/4	921.77	3/4	676.60	3/4	429.17	3/4	179.83	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2005 CL - SW
CALCULATED: 09/30/2005 CL
PRINTED: 09/30/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2005

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



BARGE "KIRBY 11522"

3 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-09 1/4"

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

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 1'-00" OFF CENTERLINE AND 28'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 11522"

3 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-09 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	1,903.53	0	1,655.94	0	1,408.35	0	1,160.76	0	913.17	0	665.87	0	418.40	0	170.83	0		0	
1/4	1,898.37	1/4	1,650.78	1/4	1,403.19	1/4	1,155.61	1/4	908.02	1/4	660.72	1/4	413.25	1/4	165.67	1/4		1/4	
1/2	1,893.21	1/2	1,645.62	1/2	1,398.04	1/2	1,150.45	1/2	902.86	1/2	655.57	1/2	408.09	1/2	160.51	1/2		1/2	
3/4	1,888.06	3/4	1,640.47	3/4	1,392.88	3/4	1,145.29	3/4	897.70	3/4	650.43	3/4	402.93	3/4	155.36	3/4		3/4	
1	1,882.90	1	1,635.31	1	1,387.72	1	1,140.13	1	892.54	1	645.28	1	397.77	1	150.20	1		1	
1/4	1,877.74	1/4	1,630.15	1/4	1,382.56	1/4	1,134.97	1/4	887.38	1/4	640.13	1/4	392.62	1/4	145.04	1/4		1/4	
1/2	1,872.58	1/2	1,624.99	1/2	1,377.40	1/2	1,129.81	1/2	882.23	1/2	634.98	1/2	387.46	1/2	139.88	1/2		1/2	
3/4	1,867.42	3/4	1,619.83	3/4	1,372.25	3/4	1,124.66	3/4	877.07	3/4	629.83	3/4	382.30	3/4	134.73	3/4		3/4	
2	1,862.27	2	1,614.68	2	1,367.09	2	1,119.50	2	871.91	2	624.69	2	377.14	2	129.57	2		2	
1/4	1,857.11	1/4	1,609.52	1/4	1,361.93	1/4	1,114.34	1/4	866.75	1/4	619.54	1/4	371.98	1/4	124.41	1/4		1/4	
1/2	1,851.95	1/2	1,604.36	1/2	1,356.77	1/2	1,109.18	1/2	861.59	1/2	614.39	1/2	366.83	1/2	119.25	1/2		1/2	
3/4	1,846.79	3/4	1,599.20	3/4	1,351.61	3/4	1,104.02	3/4	856.44	3/4	609.23	3/4	361.67	3/4	114.09	3/4		3/4	
3	1,841.63	3	1,594.04	3	1,346.46	3	1,098.87	3	851.28	3	604.08	3	356.51	3	108.94	3		3	
1/4	1,836.47	1/4	1,588.89	1/4	1,341.30	1/4	1,093.71	1/4	846.12	1/4	598.93	1/4	351.35	1/4	103.78	1/4		1/4	
1/2	1,831.32	1/2	1,583.73	1/2	1,336.14	1/2	1,088.55	1/2	840.96	1/2	593.77	1/2	346.20	1/2	98.62	1/2		1/2	
3/4	1,826.16	3/4	1,578.57	3/4	1,330.98	3/4	1,083.39	3/4	835.80	3/4	588.61	3/4	341.04	3/4	93.46	3/4		3/4	
4	1,821.00	4	1,573.41	4	1,325.82	4	1,078.23	4	830.65	4	583.45	4	335.88	4	88.31	4		4	
1/4	1,815.84	1/4	1,568.25	1/4	1,320.66	1/4	1,073.08	1/4	825.49	1/4	578.30	1/4	330.72	1/4	83.15	1/4		1/4	
1/2	1,810.68	1/2	1,563.10	1/2	1,315.51	1/2	1,067.92	1/2	820.33	1/2	573.14	1/2	325.56	1/2	77.99	1/2		1/2	
3/4	1,805.53	3/4	1,557.94	3/4	1,310.35	3/4	1,062.76	3/4	815.18	3/4	567.98	3/4	320.41	3/4	72.83	3/4		3/4	
5	1,800.37	5	1,552.78	5	1,305.19	5	1,057.60	5	810.03	5	562.82	5	315.25	5	67.67	5		5	
1/4	1,795.21	1/4	1,547.62	1/4	1,300.03	1/4	1,052.44	1/4	804.87	1/4	557.67	1/4	310.09	1/4	62.52	1/4		1/4	
1/2	1,790.05	1/2	1,542.46	1/2	1,294.87	1/2	1,047.29	1/2	799.72	1/2	552.51	1/2	304.93	1/2	57.36	1/2		1/2	
3/4	1,784.89	3/4	1,537.30	3/4	1,289.72	3/4	1,042.13	3/4	794.57	3/4	547.35	3/4	299.77	3/4	52.20	3/4		3/4	
6	1,779.74	6	1,532.15	6	1,284.56	6	1,036.97	6	789.43	6	542.19	6	294.62	6	47.04	6		6	
1/4	1,774.58	1/4	1,526.99	1/4	1,279.40	1/4	1,031.81	1/4	784.28	1/4	537.03	1/4	289.46	1/4	41.88	1/4		1/4	
1/2	1,769.42	1/2	1,521.83	1/2	1,274.24	1/2	1,026.65	1/2	779.13	1/2	531.88	1/2	284.30	1/2	37.16	1/2		1/2	
3/4	1,764.26	3/4	1,516.67	3/4	1,269.08	3/4	1,021.49	3/4	773.98	3/4	526.72	3/4	279.14	3/4	32.43	3/4		3/4	
7	1,759.10	7	1,511.51	7	1,263.93	7	1,016.34	7	768.83	7	521.56	7	273.99	7	27.70	7		7	
1/4	1,753.94	1/4	1,506.36	1/4	1,258.77	1/4	1,011.18	1/4	763.68	1/4	516.40	1/4	268.83	1/4	22.97	1/4		1/4	
1/2	1,748.79	1/2	1,501.20	1/2	1,253.61	1/2	1,006.02	1/2	758.53	1/2	511.24	1/2	263.67	1/2	19.53	1/2		1/2	
3/4	1,743.63	3/4	1,496.04	3/4	1,248.45	3/4	1,000.86	3/4	753.39	3/4	506.09	3/4	258.51	3/4	16.10	3/4		3/4	
8	1,738.47	8	1,490.88	8	1,243.29	8	995.70	8	748.24	8	500.93	8	253.35	8	12.66	8		8	
1/4	1,733.31	1/4	1,485.72	1/4	1,238.13	1/4	990.55	1/4	743.09	1/4	495.77	1/4	248.20	1/4	9.22	1/4		1/4	
1/2	1,728.15	1/2	1,480.57	1/2	1,232.98	1/2	985.39	1/2	737.94	1/2	490.61	1/2	243.04	1/2	7.50	1/2		1/2	
3/4	1,723.00	3/4	1,475.41	3/4	1,227.82	3/4	980.23	3/4	732.79	3/4	485.46	3/4	237.88	3/4	5.78	3/4		3/4	
9	1,717.84	9	1,470.25	9	1,222.66	9	975.07	9	727.65	9	480.30	9	232.72	9	4.06	9		9	
1/4	1,712.68	1/4	1,465.09	1/4	1,217.50	1/4	969.91	1/4	722.50	1/4	475.14	1/4	227.57	1/4	2.34	1/4		1/4	
1/2	1,707.52	1/2	1,459.93	1/2	1,212.34	1/2	964.76	1/2	717.35	1/2	469.98	1/2	222.41	1/2		1/2		1/2	
3/4	1,702.36	3/4	1,454.78	3/4	1,207.19	3/4	959.60	3/4	712.20	3/4	464.82	3/4	217.25	3/4		3/4		3/4	
10	1,697.21	10	1,449.62	10	1,202.03	10	954.44	10	707.05	10	459.67	10	212.09	10		10		10	
1/4	1,692.05	1/4	1,444.46	1/4	1,196.87	1/4	949.28	1/4	701.91	1/4	454.51	1/4	206.93	1/4		1/4		1/4	
1/2	1,686.89	1/2	1,439.30	1/2	1,191.71	1/2	944.12	1/2	696.76	1/2	449.35	1/2	201.78	1/2		1/2		1/2	
3/4	1,681.73	3/4	1,434.14	3/4	1,186.55	3/4	938.97	3/4	691.61	3/4	444.19	3/4	196.62	3/4		3/4		3/4	
11	1,676.57	11	1,428.98	11	1,181.40	11	933.81	11	686.46	11	439.04	11	191.46	11		11		11	
1/4	1,671.42	1/4	1,423.83	1/4	1,176.24	1/4	928.65	1/4	681.31	1/4	433.88	1/4	186.30	1/4		1/4		1/4	
1/2	1,666.26	1/2	1,418.67	1/2	1,171.08	1/2	923.49	1/2	676.17	1/2	428.72	1/2	181.15	1/2		1/2		1/2	
3/4	1,661.10	3/4	1,413.51	3/4	1,165.92	3/4	918.33	3/4	671.02	3/4	423.56	3/4	175.99	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2005 CL - SW
CALCULATED: 09/30/2005 CL
PRINTED: 09/30/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2005

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