



BARGE "KIRBY 10441"

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	00-1/8	- 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
2 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
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	00-3/8	- 00-3/8

(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 - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

March 19, 2015

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

<http://www.pmacorp.net>



BARGE "KIRBY 10441"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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	3,230.79	0	2,971.16	0	2,711.54	0	2,451.47	0	2,190.45	0	1,929.43
1/4		1/4		1/4		1/4	3,450.07	1/4	3,225.38	1/4	2,965.76	1/4	2,706.13	1/4	2,446.04	1/4	2,185.01	1/4	1,923.99
1/2		1/2		1/2		1/2	3,449.16	1/2	3,219.97	1/2	2,960.35	1/2	2,700.72	1/2	2,440.60	1/2	2,179.57	1/2	1,918.55
3/4		3/4		3/4		3/4	3,448.26	3/4	3,214.57	3/4	2,954.94	3/4	2,695.31	3/4	2,435.16	3/4	2,174.14	3/4	1,913.11
1		1		1		1	3,447.35	1	3,209.16	1	2,949.53	1	2,689.90	1	2,429.72	1	2,168.70	1	1,907.67
1/4		1/4		1/4		1/4	3,446.44	1/4	3,203.75	1/4	2,944.12	1/4	2,684.49	1/4	2,424.28	1/4	2,163.26	1/4	1,902.24
1/2		1/2		1/2		1/2	3,443.72	1/2	3,198.34	1/2	2,938.71	1/2	2,679.08	1/2	2,418.85	1/2	2,157.82	1/2	1,896.80
3/4		3/4		3/4		3/4	3,441.00	3/4	3,192.93	3/4	2,933.30	3/4	2,673.68	3/4	2,413.41	3/4	2,152.38	3/4	1,891.36
2		2		2		2	3,438.28	2	3,187.52	2	2,927.89	2	2,668.27	2	2,407.97	2	2,146.95	2	1,885.92
1/4		1/4		1/4		1/4	3,435.56	1/4	3,182.11	1/4	2,922.48	1/4	2,662.86	1/4	2,402.53	1/4	2,141.51	1/4	1,880.48
1/2		1/2		1/2		1/2	3,431.15	1/2	3,176.70	1/2	2,917.08	1/2	2,657.45	1/2	2,397.09	1/2	2,136.07	1/2	1,875.05
3/4		3/4		3/4		3/4	3,426.75	3/4	3,171.29	3/4	2,911.67	3/4	2,652.04	3/4	2,391.66	3/4	2,130.63	3/4	1,869.61
3		3		3		3	3,422.34	3	3,165.89	3	2,906.26	3	2,646.63	3	2,386.22	3	2,125.19	3	1,864.17
1/4		1/4		1/4		1/4	3,417.94	1/4	3,160.48	1/4	2,900.85	1/4	2,641.22	1/4	2,380.78	1/4	2,119.76	1/4	1,858.73
1/2		1/2		1/2		1/2	3,412.67	1/2	3,155.07	1/2	2,895.44	1/2	2,635.81	1/2	2,375.34	1/2	2,114.32	1/2	1,853.29
3/4		3/4		3/4		3/4	3,407.40	3/4	3,149.66	3/4	2,890.03	3/4	2,630.40	3/4	2,369.90	3/4	2,108.88	3/4	1,847.86
4		4		4		4	3,402.13	4	3,144.25	4	2,884.62	4	2,625.00	4	2,364.47	4	2,103.44	4	1,842.42
1/4		1/4		1/4		1/4	3,396.86	1/4	3,138.84	1/4	2,879.21	1/4	2,619.59	1/4	2,359.03	1/4	2,098.00	1/4	1,836.98
1/2		1/2		1/2		1/2	3,391.56	1/2	3,133.43	1/2	2,873.80	1/2	2,614.18	1/2	2,353.59	1/2	2,092.57	1/2	1,831.54
3/4		3/4		3/4		3/4	3,386.26	3/4	3,128.02	3/4	2,868.40	3/4	2,608.77	3/4	2,348.15	3/4	2,087.13	3/4	1,826.10
5		5		5		5	3,380.95	5	3,122.61	5	2,862.99	5	2,603.36	5	2,342.71	5	2,081.69	5	1,820.67
1/4		1/4		1/4		1/4	3,375.65	1/4	3,117.21	1/4	2,857.58	1/4	2,597.95	1/4	2,337.28	1/4	2,076.25	1/4	1,815.23
1/2		1/2		1/2		1/2	3,370.34	1/2	3,111.80	1/2	2,852.17	1/2	2,592.54	1/2	2,331.84	1/2	2,070.81	1/2	1,809.79
3/4		3/4		3/4		3/4	3,365.03	3/4	3,106.39	3/4	2,846.76	3/4	2,587.13	3/4	2,326.40	3/4	2,065.38	3/4	1,804.35
6		6		6		6	3,359.71	6	3,100.98	6	2,841.35	6	2,581.72	6	2,320.96	6	2,059.94	6	1,798.91
1/4		1/4		1/4		1/4	3,354.40	1/4	3,095.57	1/4	2,835.94	1/4	2,576.32	1/4	2,315.52	1/4	2,054.50	1/4	1,793.48
1/2		1/2		1/2		1/2	3,349.09	1/2	3,090.16	1/2	2,830.53	1/2	2,570.91	1/2	2,310.09	1/2	2,049.06	1/2	1,788.04
3/4		3/4		3/4		3/4	3,343.78	3/4	3,084.75	3/4	2,825.12	3/4	2,565.50	3/4	2,304.65	3/4	2,043.62	3/4	1,782.60
7		7		7		7	3,338.47	7	3,079.34	7	2,819.72	7	2,560.09	7	2,299.21	7	2,038.19	7	1,777.16
1/4		1/4		1/4		1/4	3,333.16	1/4	3,073.93	1/4	2,814.31	1/4	2,554.68	1/4	2,293.77	1/4	2,032.75	1/4	1,771.72
1/2		1/2		1/2		1/2	3,327.85	1/2	3,068.52	1/2	2,808.90	1/2	2,549.27	1/2	2,288.33	1/2	2,027.31	1/2	1,766.29
3/4		3/4		3/4		3/4	3,322.54	3/4	3,063.12	3/4	2,803.49	3/4	2,543.86	3/4	2,282.90	3/4	2,021.87	3/4	1,760.85
8		8		8		8	3,317.23	8	3,057.71	8	2,798.08	8	2,538.45	8	2,277.46	8	2,016.43	8	1,755.41
1/4		1/4		1/4		1/4	3,311.93	1/4	3,052.30	1/4	2,792.67	1/4	2,533.04	1/4	2,272.02	1/4	2,011.00	1/4	1,749.97
1/2		1/2		1/2		1/2	3,306.52	1/2	3,046.89	1/2	2,787.26	1/2	2,527.61	1/2	2,266.58	1/2	2,005.56	1/2	1,744.53
3/4		3/4		3/4		3/4	3,301.11	3/4	3,041.48	3/4	2,781.85	3/4	2,522.17	3/4	2,261.14	3/4	2,000.12	3/4	1,739.10
9		9		9		9	3,295.70	9	3,036.07	9	2,776.44	9	2,516.73	9	2,255.71	9	1,994.68	9	1,733.66
1/4		1/4		1/4		1/4	3,290.29	1/4	3,030.66	1/4	2,771.04	1/4	2,511.29	1/4	2,250.27	1/4	1,989.24	1/4	1,728.22
1/2		1/2		1/2		1/2	3,284.88	1/2	3,025.25	1/2	2,765.63	1/2	2,505.85	1/2	2,244.83	1/2	1,983.81	1/2	1,722.78
3/4		3/4		3/4		3/4	3,279.47	3/4	3,019.84	3/4	2,760.22	3/4	2,500.42	3/4	2,239.39	3/4	1,978.37	3/4	1,717.34
10		10		10		10	3,274.06	10	3,014.44	10	2,754.81	10	2,494.98	10	2,233.95	10	1,972.93	10	1,711.91
1/4		1/4		1/4		1/4	3,268.65	1/4	3,009.03	1/4	2,749.40	1/4	2,489.54	1/4	2,228.52	1/4	1,967.49	1/4	1,706.47
1/2		1/2		1/2		1/2	3,263.25	1/2	3,003.62	1/2	2,743.99	1/2	2,484.10	1/2	2,223.08	1/2	1,962.05	1/2	1,701.03
3/4		3/4		3/4		3/4	3,257.84	3/4	2,998.21	3/4	2,738.58	3/4	2,478.66	3/4	2,217.64	3/4	1,956.62	3/4	1,695.59
11		11		11		11	3,252.43	11	2,992.80	11	2,733.17	11	2,473.23	11	2,212.20	11	1,951.18	11	1,690.15
1/4		1/4		1/4		1/4	3,247.02	1/4	2,987.39	1/4	2,727.76	1/4	2,467.79	1/4	2,206.76	1/4	1,945.74	1/4	1,684.72
1/2		1/2		1/2		1/2	3,241.61	1/2	2,981.98	1/2	2,722.36	1/2	2,462.35	1/2	2,201.33	1/2	1,940.30	1/2	1,679.28
3/4		3/4		3/4		3/4	3,236.20	3/4	2,976.57	3/4	2,716.95	3/4	2,456.91	3/4	2,195.89	3/4	1,934.86	3/4	1,673.84

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 10441"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	1,668.40		1,407.38		1,146.19		885.83		625.44		364.27		103.17						
1/4	1,662.96	1/4	1,401.94	1/4	1,140.75	1/4	880.43	1/4	620.00	1/4	358.83	1/4	97.74	1/4		1/4		1/4	
1/2	1,657.53	1/2	1,396.50	1/2	1,135.31	1/2	875.02	1/2	614.56	1/2	353.39	1/2	92.34	1/2		1/2		1/2	
3/4	1,652.09	3/4	1,391.06	3/4	1,129.86	3/4	869.62	3/4	609.12	3/4	347.94	3/4	86.93	3/4		3/4		3/4	
1	1,646.65	1	1,385.62	1	1,124.42	1	864.21	1	603.68	1	342.50	1	81.52	1		1		1	
1/4	1,641.21	1/4	1,380.17	1/4	1,118.98	1/4	858.81	1/4	598.23	1/4	337.06	1/4	76.12	1/4		1/4		1/4	
1/2	1,635.77	1/2	1,374.73	1/2	1,113.54	1/2	853.40	1/2	592.79	1/2	331.62	1/2	70.74	1/2		1/2		1/2	
3/4	1,630.34	3/4	1,369.29	3/4	1,108.10	3/4	848.00	3/4	587.35	3/4	326.18	3/4	65.36	3/4		3/4		3/4	
2	1,624.90	2	1,363.85	2	1,102.66	2	842.59	2	581.91	2	320.74	2	59.98	2		2		2	
1/4	1,619.46	1/4	1,358.41	1/4	1,097.22	1/4	837.19	1/4	576.47	1/4	315.30	1/4	54.60	1/4		1/4		1/4	
1/2	1,614.02	1/2	1,352.97	1/2	1,091.77	1/2	831.78	1/2	571.03	1/2	309.86	1/2	49.28	1/2		1/2		1/2	
3/4	1,608.58	3/4	1,347.52	3/4	1,086.33	3/4	826.37	3/4	565.59	3/4	304.42	3/4	43.95	3/4		3/4		3/4	
3	1,603.15	3	1,342.08	3	1,080.89	3	820.97	3	560.15	3	298.97	3	38.62	3		3		3	
1/4	1,597.71	1/4	1,336.64	1/4	1,075.45	1/4	815.56	1/4	554.71	1/4	293.53	1/4	33.29	1/4		1/4		1/4	
1/2	1,592.27	1/2	1,331.20	1/2	1,070.01	1/2	810.16	1/2	549.27	1/2	288.09	1/2	28.76	1/2		1/2		1/2	
3/4	1,586.83	3/4	1,325.76	3/4	1,064.57	3/4	804.77	3/4	543.82	3/4	282.65	3/4	24.24	3/4		3/4		3/4	
4	1,581.39	4	1,320.32	4	1,059.13	4	799.37	4	538.38	4	277.21	4	19.71	4		4		4	
1/4	1,575.96	1/4	1,314.88	1/4	1,053.68	1/4	793.97	1/4	532.94	1/4	271.77	1/4	15.18	1/4		1/4		1/4	
1/2	1,570.52	1/2	1,309.43	1/2	1,048.24	1/2	788.53	1/2	527.50	1/2	266.33	1/2	12.46	1/2		1/2		1/2	
3/4	1,565.08	3/4	1,303.99	3/4	1,042.80	3/4	783.09	3/4	522.06	3/4	260.89	3/4	9.74	3/4		3/4		3/4	
5	1,559.64	5	1,298.55	5	1,037.36	5	777.66	5	516.62	5	255.45	5	7.02	5		5		5	
1/4	1,554.20	1/4	1,293.11	1/4	1,031.92	1/4	772.22	1/4	511.18	1/4	250.00	1/4	4.30	1/4		1/4		1/4	
1/2	1,548.77	1/2	1,287.67	1/2	1,026.48	1/2	766.79	1/2	505.74	1/2	244.56	1/2	3.40	1/2		1/2		1/2	
3/4	1,543.33	3/4	1,282.23	3/4	1,021.03	3/4	761.35	3/4	500.30	3/4	239.12	3/4	2.49	3/4		3/4		3/4	
6	1,537.89	6	1,276.79	6	1,015.59	6	755.91	6	494.85	6	233.68	6	1.58	6		6		6	
1/4	1,532.45	1/4	1,271.34	1/4	1,010.15	1/4	750.48	1/4	489.41	1/4	228.24	1/4	0.68	1/4		1/4		1/4	
1/2	1,527.01	1/2	1,265.90	1/2	1,004.75	1/2	745.04	1/2	483.97	1/2	222.80	1/2		1/2		1/2		1/2	
3/4	1,521.58	3/4	1,260.46	3/4	999.34	3/4	739.60	3/4	478.53	3/4	217.36	3/4		3/4		3/4		3/4	
7	1,516.14	7	1,255.02	7	993.94	7	734.17	7	473.09	7	211.92	7		7		7		7	
1/4	1,510.70	1/4	1,249.58	1/4	988.53	1/4	728.73	1/4	467.65	1/4	206.48	1/4		1/4		1/4		1/4	
1/2	1,505.26	1/2	1,244.14	1/2	983.13	1/2	723.30	1/2	462.21	1/2	201.03	1/2		1/2		1/2		1/2	
3/4	1,499.82	3/4	1,238.69	3/4	977.72	3/4	717.86	3/4	456.77	3/4	195.59	3/4		3/4		3/4		3/4	
8	1,494.39	8	1,233.25	8	972.32	8	712.42	8	451.33	8	190.15	8		8		8		8	
1/4	1,488.95	1/4	1,227.81	1/4	966.91	1/4	706.99	1/4	445.88	1/4	184.71	1/4		1/4		1/4		1/4	
1/2	1,483.51	1/2	1,222.37	1/2	961.50	1/2	701.55	1/2	440.44	1/2	179.27	1/2		1/2		1/2		1/2	
3/4	1,478.07	3/4	1,216.93	3/4	956.10	3/4	696.11	3/4	435.00	3/4	173.83	3/4		3/4		3/4		3/4	
9	1,472.63	9	1,211.49	9	950.69	9	690.68	9	429.56	9	168.39	9		9		9		9	
1/4	1,467.20	1/4	1,206.05	1/4	945.29	1/4	685.24	1/4	424.12	1/4	162.95	1/4		1/4		1/4		1/4	
1/2	1,461.76	1/2	1,200.60	1/2	939.88	1/2	679.81	1/2	418.68	1/2	157.51	1/2		1/2		1/2		1/2	
3/4	1,456.32	3/4	1,195.16	3/4	934.48	3/4	674.37	3/4	413.24	3/4	152.07	3/4		3/4		3/4		3/4	
10	1,450.88	10	1,189.72	10	929.07	10	668.93	10	407.80	10	146.63	10		10		10		10	
1/4	1,445.44	1/4	1,184.28	1/4	923.67	1/4	663.50	1/4	402.36	1/4	141.18	1/4		1/4		1/4		1/4	
1/2	1,440.01	1/2	1,178.84	1/2	918.26	1/2	658.06	1/2	396.91	1/2	135.75	1/2		1/2		1/2		1/2	
3/4	1,434.57	3/4	1,173.40	3/4	912.86	3/4	652.63	3/4	391.47	3/4	130.31	3/4		3/4		3/4		3/4	
11	1,429.13	11	1,167.96	11	907.45	11	647.19	11	386.03	11	124.88	11		11		11		11	
1/4	1,423.69	1/4	1,162.51	1/4	902.05	1/4	641.76	1/4	380.59	1/4	119.44	1/4		1/4		1/4		1/4	
1/2	1,418.25	1/2	1,157.07	1/2	896.64	1/2	636.32	1/2	375.15	1/2	114.02	1/2		1/2		1/2		1/2	
3/4	1,412.82	3/4	1,151.63	3/4	891.24	3/4	630.88	3/4	369.71	3/4	108.59	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2015 CL
CALCULATED: 03/19/2015 CL
PRINTED: 03/19/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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



BARGE "KIRBY 10441"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							3,473.20		3,246.71		2,985.01		2,723.31		2,461.14		2,198.05		1,934.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,472.29	1/4	3,241.26	1/4	2,979.56	1/4	2,717.86	1/4	2,455.66	1/4	2,192.57	1/4	1,929.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,471.37	1/2	3,235.81	1/2	2,974.11	1/2	2,712.41	1/2	2,450.18	1/2	2,187.09	1/2	1,924.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,470.46	3/4	3,230.36	3/4	2,968.65	3/4	2,706.95	3/4	2,444.70	3/4	2,181.61	3/4	1,918.52
1	1	1	1	1	1	1	3,469.54	1	3,224.90	1	2,963.20	1	2,701.50	1	2,439.22	1	2,176.13	1	1,913.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,466.80	1/4	3,219.45	1/4	2,957.75	1/4	2,696.05	1/4	2,433.74	1/4	2,170.65	1/4	1,907.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,464.06	1/2	3,214.00	1/2	2,952.30	1/2	2,690.60	1/2	2,428.26	1/2	2,165.17	1/2	1,902.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,461.32	3/4	3,208.55	3/4	2,946.85	3/4	2,685.15	3/4	2,422.78	3/4	2,159.68	3/4	1,896.59
2	2	2	2	2	2	2	3,458.57	2	3,203.09	2	2,941.39	2	2,679.69	2	2,417.30	2	2,154.20	2	1,891.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,454.13	1/4	3,197.64	1/4	2,935.94	1/4	2,674.24	1/4	2,411.82	1/4	2,148.72	1/4	1,885.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,449.69	1/2	3,192.19	1/2	2,930.49	1/2	2,668.79	1/2	2,406.33	1/2	2,143.24	1/2	1,880.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,445.25	3/4	3,186.74	3/4	2,925.04	3/4	2,663.34	3/4	2,400.85	3/4	2,137.76	3/4	1,874.67
3	3	3	3	3	3	3	3,440.81	3	3,181.29	3	2,919.59	3	2,657.88	3	2,395.37	3	2,132.28	3	1,869.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,435.50	1/4	3,175.83	1/4	2,914.13	1/4	2,652.43	1/4	2,389.89	1/4	2,126.80	1/4	1,863.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,430.19	1/2	3,170.38	1/2	2,908.68	1/2	2,646.98	1/2	2,384.41	1/2	2,121.32	1/2	1,858.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,424.87	3/4	3,164.93	3/4	2,903.23	3/4	2,641.53	3/4	2,378.93	3/4	2,115.84	3/4	1,852.74
4	4	4	4	4	4	4	3,419.56	4	3,159.48	4	2,897.78	4	2,636.08	4	2,373.45	4	2,110.35	4	1,847.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,414.22	1/4	3,154.03	1/4	2,892.32	1/4	2,630.62	1/4	2,367.97	1/4	2,104.87	1/4	1,841.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,408.87	1/2	3,148.57	1/2	2,886.87	1/2	2,625.17	1/2	2,362.49	1/2	2,099.39	1/2	1,836.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,403.53	3/4	3,143.12	3/4	2,881.42	3/4	2,619.72	3/4	2,357.00	3/4	2,093.91	3/4	1,830.82
5	5	5	5	5	5	5	3,398.18	5	3,137.67	5	2,875.97	5	2,614.27	5	2,351.52	5	2,088.43	5	1,825.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,392.83	1/4	3,132.22	1/4	2,870.52	1/4	2,608.82	1/4	2,346.04	1/4	2,082.95	1/4	1,819.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,387.48	1/2	3,126.77	1/2	2,865.06	1/2	2,603.36	1/2	2,340.56	1/2	2,077.47	1/2	1,814.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,382.12	3/4	3,121.31	3/4	2,859.61	3/4	2,597.91	3/4	2,335.08	3/4	2,071.99	3/4	1,808.89
6	6	6	6	6	6	6	3,376.77	6	3,115.86	6	2,854.16	6	2,592.46	6	2,329.60	6	2,066.51	6	1,803.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,371.42	1/4	3,110.41	1/4	2,848.71	1/4	2,587.01	1/4	2,324.12	1/4	2,061.02	1/4	1,797.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,366.06	1/2	3,104.96	1/2	2,843.26	1/2	2,581.56	1/2	2,318.64	1/2	2,055.54	1/2	1,792.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,360.71	3/4	3,099.50	3/4	2,837.80	3/4	2,576.10	3/4	2,313.16	3/4	2,050.06	3/4	1,786.97
7	7	7	7	7	7	7	3,355.36	7	3,094.05	7	2,832.35	7	2,570.65	7	2,307.67	7	2,044.58	7	1,781.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,350.00	1/4	3,088.60	1/4	2,826.90	1/4	2,565.20	1/4	2,302.19	1/4	2,039.10	1/4	1,776.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,344.65	1/2	3,083.15	1/2	2,821.45	1/2	2,559.75	1/2	2,296.71	1/2	2,033.62	1/2	1,770.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,339.30	3/4	3,077.70	3/4	2,816.00	3/4	2,554.29	3/4	2,291.23	3/4	2,028.14	3/4	1,765.05
8	8	8	8	8	8	8	3,333.94	8	3,072.24	8	2,810.54	8	2,548.84	8	2,285.75	8	2,022.66	8	1,759.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,328.49	1/4	3,066.79	1/4	2,805.09	1/4	2,543.36	1/4	2,280.27	1/4	2,017.18	1/4	1,754.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,323.04	1/2	3,061.34	1/2	2,799.64	1/2	2,537.88	1/2	2,274.79	1/2	2,011.69	1/2	1,748.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,317.59	3/4	3,055.89	3/4	2,794.19	3/4	2,532.40	3/4	2,269.31	3/4	2,006.21	3/4	1,743.12
9	9	9	9	9	9	9	3,312.14	9	3,050.44	9	2,788.73	9	2,526.92	9	2,263.83	9	2,000.73	9	1,737.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,306.68	1/4	3,044.98	1/4	2,783.28	1/4	2,521.44	1/4	2,258.34	1/4	1,995.25	1/4	1,732.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,301.23	1/2	3,039.53	1/2	2,777.83	1/2	2,515.96	1/2	2,252.86	1/2	1,989.77	1/2	1,726.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,295.78	3/4	3,034.08	3/4	2,772.38	3/4	2,510.47	3/4	2,247.38	3/4	1,984.29	3/4	1,721.20
10	10	10	10	10	10	10	3,290.33	10	3,028.63	10	2,766.93	10	2,504.99	10	2,241.90	10	1,978.81	10	1,715.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,284.88	1/4	3,023.18	1/4	2,761.47	1/4	2,499.51	1/4	2,236.42	1/4	1,973.33	1/4	1,710.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,279.42	1/2	3,017.72	1/2	2,756.02	1/2	2,494.03	1/2	2,230.94	1/2	1,967.85	1/2	1,704.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,273.97	3/4	3,012.27	3/4	2,750.57	3/4	2,488.55	3/4	2,225.46	3/4	1,962.36	3/4	1,699.27
11	11	11	11	11	11	11	3,268.52	11	3,006.82	11	2,745.12	11	2,483.07	11	2,219.98	11	1,956.88	11	1,693.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,263.07	1/4	3,001.37	1/4	2,739.67	1/4	2,477.59	1/4	2,214.50	1/4	1,951.40	1/4	1,688.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,257.62	1/2	2,995.91	1/2	2,734.21	1/2	2,472.11	1/2	2,209.01	1/2	1,945.92	1/2	1,682.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,252.16	3/4	2,990.46	3/4	2,728.76	3/4	2,466.63	3/4	2,203.53	3/4	1,940.44	3/4	1,677.35

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'-06" FORWARD OF AFT BULKHEAD.

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 10441"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,671.87	0	1,408.77	0	1,145.50	0	884.10	0	624.91	0	361.67	0	98.52	0		0		0	
1/4	1,666.39	1/4	1,403.29	1/4	1,140.02	1/4	878.70	1/4	619.43	1/4	356.19	1/4	93.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,660.90	1/2	1,397.80	1/2	1,134.53	1/2	873.30	1/2	613.95	1/2	350.70	1/2	87.62	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,655.42	3/4	1,392.32	3/4	1,129.05	3/4	868.90	3/4	608.46	3/4	345.22	3/4	82.17	3/4	3/4	3/4	3/4	3/4	3/4
1	1,649.94	1	1,386.83	1	1,123.56	1	862.50	1	602.98	1	339.73	1	76.72	1	1	1	1	1	1
1/4	1,644.46	1/4	1,381.35	1/4	1,118.08	1/4	857.10	1/4	597.50	1/4	334.25	1/4	71.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,638.98	1/2	1,375.86	1/2	1,112.59	1/2	851.70	1/2	592.01	1/2	328.76	1/2	65.88	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,633.50	3/4	1,370.38	3/4	1,107.11	3/4	846.30	3/4	586.53	3/4	323.28	3/4	60.45	3/4	3/4	3/4	3/4	3/4	3/4
2	1,628.02	2	1,364.90	2	1,101.62	2	840.90	2	581.04	2	317.80	2	55.03	2	2	2	2	2	2
1/4	1,622.54	1/4	1,359.41	1/4	1,096.14	1/4	835.50	1/4	575.56	1/4	312.31	1/4	49.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,617.06	1/2	1,353.93	1/2	1,090.66	1/2	830.10	1/2	570.07	1/2	306.83	1/2	44.29	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,611.57	3/4	1,348.44	3/4	1,085.17	3/4	824.70	3/4	564.59	3/4	301.34	3/4	38.92	3/4	3/4	3/4	3/4	3/4	3/4
3	1,606.09	3	1,342.96	3	1,079.69	3	819.30	3	559.11	3	295.86	3	33.55	3	3	3	3	3	3
1/4	1,600.61	1/4	1,337.47	1/4	1,074.20	1/4	813.91	1/4	553.62	1/4	290.37	1/4	28.99	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,595.13	1/2	1,331.99	1/2	1,068.72	1/2	808.51	1/2	548.14	1/2	284.89	1/2	24.43	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,589.65	3/4	1,326.50	3/4	1,063.23	3/4	803.12	3/4	542.65	3/4	279.41	3/4	19.86	3/4	3/4	3/4	3/4	3/4	3/4
4	1,584.17	4	1,321.02	4	1,057.75	4	797.72	4	537.17	4	273.92	4	15.30	4	4	4	4	4	4
1/4	1,578.69	1/4	1,315.53	1/4	1,052.26	1/4	792.33	1/4	531.68	1/4	268.44	1/4	12.56	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,573.21	1/2	1,310.05	1/2	1,046.78	1/2	786.93	1/2	526.20	1/2	262.95	1/2	9.82	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,567.73	3/4	1,304.56	3/4	1,041.29	3/4	781.54	3/4	520.72	3/4	257.47	3/4	7.07	3/4	3/4	3/4	3/4	3/4	3/4
5	1,562.24	5	1,299.08	5	1,035.81	5	776.14	5	515.23	5	251.98	5	4.33	5	5	5	5	5	5
1/4	1,556.76	1/4	1,293.59	1/4	1,030.32	1/4	770.75	1/4	509.75	1/4	246.50	1/4	3.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,551.28	1/2	1,288.11	1/2	1,024.84	1/2	765.35	1/2	504.26	1/2	241.02	1/2	2.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,545.80	3/4	1,282.62	3/4	1,019.35	3/4	759.96	3/4	498.78	3/4	235.53	3/4	1.59	3/4	3/4	3/4	3/4	3/4	3/4
6	1,540.32	6	1,277.14	6	1,013.87	6	754.57	6	493.29	6	230.05	6	0.68	6	6	6	6	6	6
1/4	1,534.84	1/4	1,271.65	1/4	1,008.43	1/4	749.17	1/4	487.81	1/4	224.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,529.36	1/2	1,266.17	1/2	1,002.98	1/2	743.78	1/2	482.33	1/2	219.08	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,523.88	3/4	1,260.68	3/4	997.54	3/4	738.38	3/4	476.84	3/4	213.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,518.40	7	1,255.20	7	992.10	7	732.99	7	471.36	7	208.11	7		7	7	7	7	7	7
1/4	1,512.91	1/4	1,249.71	1/4	986.70	1/4	727.59	1/4	465.87	1/4	202.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,507.43	1/2	1,244.23	1/2	981.30	1/2	722.20	1/2	460.39	1/2	197.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,501.95	3/4	1,238.74	3/4	975.90	3/4	716.80	3/4	454.90	3/4	191.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,496.47	8	1,233.26	8	970.50	8	711.41	8	449.42	8	186.17	8		8	8	8	8	8	8
1/4	1,490.99	1/4	1,227.78	1/4	965.10	1/4	706.01	1/4	443.94	1/4	180.69	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,485.51	1/2	1,222.29	1/2	959.70	1/2	700.62	1/2	438.45	1/2	175.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,480.03	3/4	1,216.81	3/4	954.30	3/4	695.23	3/4	432.97	3/4	169.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,474.55	9	1,211.32	9	948.90	9	689.83	9	427.48	9	164.24	9		9	9	9	9	9	9
1/4	1,469.07	1/4	1,205.84	1/4	943.50	1/4	684.44	1/4	422.00	1/4	158.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,463.58	1/2	1,200.35	1/2	938.10	1/2	679.04	1/2	416.51	1/2	153.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,458.10	3/4	1,194.87	3/4	932.70	3/4	673.65	3/4	411.03	3/4	147.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,452.62	10	1,189.38	10	927.30	10	668.25	10	405.54	10	142.30	10		10	10	10	10	10	10
1/4	1,447.14	1/4	1,183.90	1/4	921.90	1/4	662.86	1/4	400.06	1/4	136.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,441.66	1/2	1,178.41	1/2	916.50	1/2	657.47	1/2	394.58	1/2	131.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,436.18	3/4	1,172.93	3/4	911.10	3/4	652.07	3/4	389.09	3/4	125.87	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,430.70	11	1,167.44	11	905.70	11	646.68	11	383.61	11	120.39	11		11	11	11	11	11	11
1/4	1,425.22	1/4	1,161.96	1/4	900.30	1/4	641.24	1/4	378.12	1/4	114.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,419.74	1/2	1,156.47	1/2	894.90	1/2	635.80	1/2	372.64	1/2	109.45	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,414.25	3/4	1,150.99	3/4	889.50	3/4	630.35	3/4	367.15	3/4	103.98	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2015 CL
CALCULATED: 03/19/2015 CL
PRINTED: 03/19/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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



BARGE "KIRBY 10441"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
									3,553.56		3,300.69		3,047.81		2,789.27		2,493.73		2,197.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,548.29	1/4	3,295.42	1/4	3,042.54	1/4	2,783.11	1/4	2,487.56	1/4	2,191.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,763.84	1/2	3,543.02	1/2	3,307.28	1/2	2,776.96	1/2	2,481.39	1/2	2,185.14		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,762.81	3/4	3,537.75	3/4	3,284.88	3/4	3,032.01	3/4	2,770.81	3/4	2,475.22	3/4	2,178.97
1	1	1	1	1	1	1	1	1	3,761.77	1	3,532.49	1	3,279.61	1	3,026.74	1	2,764.65	1	2,469.05	1	2,172.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,760.74	1/4	3,527.22	1/4	3,274.34	1/4	3,021.47	1/4	2,758.50	1/4	2,462.88	1/4	2,166.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,759.71	1/2	3,521.95	1/2	3,269.08	1/2	3,016.20	1/2	2,752.35	1/2	2,456.70	1/2	2,160.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,756.61	3/4	3,516.68	3/4	3,263.81	3/4	3,010.93	3/4	2,746.20	3/4	2,450.53	3/4	2,154.29
2	2	2	2	2	2	2	2	2	3,753.51	2	3,511.41	2	3,258.54	2	3,005.67	2	2,740.04	2	2,444.36	2	2,148.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,750.41	1/4	3,506.15	1/4	3,253.27	1/4	3,000.40	1/4	2,733.89	1/4	2,438.19	1/4	2,141.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,747.31	1/2	3,500.88	1/2	3,248.00	1/2	2,995.13	1/2	2,727.74	1/2	2,432.02	1/2	2,135.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,743.17	3/4	3,495.61	3/4	3,242.74	3/4	2,989.86	3/4	2,721.58	3/4	2,425.85	3/4	2,129.60
3	3	3	3	3	3	3	3	3	3,739.02	3	3,490.34	3	3,237.47	3	2,984.59	3	2,715.43	3	2,419.67	3	2,123.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,734.87	1/4	3,485.07	1/4	3,232.20	1/4	2,979.33	1/4	2,709.28	1/4	2,413.50	1/4	2,117.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,730.72	1/2	3,479.80	1/2	3,226.93	1/2	2,974.06	1/2	2,703.12	1/2	2,407.33	1/2	2,111.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,725.58	3/4	3,474.54	3/4	3,221.66	3/4	2,968.79	3/4	2,696.97	3/4	2,401.16	3/4	2,104.91
4	4	4	4	4	4	4	4	4	3,720.45	4	3,469.27	4	3,216.39	4	2,963.52	4	2,690.82	4	2,394.99	4	2,098.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,715.32	1/4	3,464.00	1/4	3,211.13	1/4	2,958.25	1/4	2,684.67	1/4	2,388.81	1/4	2,092.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,710.18	1/2	3,458.73	1/2	3,205.86	1/2	2,952.98	1/2	2,678.51	1/2	2,382.64	1/2	2,086.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,705.01	3/4	3,453.46	3/4	3,200.59	3/4	2,947.72	3/4	2,672.36	3/4	2,376.47	3/4	2,080.22
5	5	5	5	5	5	5	5	5	3,699.84	5	3,448.19	5	3,195.32	5	2,942.45	5	2,666.21	5	2,370.30	5	2,074.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,694.67	1/4	3,442.93	1/4	3,190.05	1/4	2,937.18	1/4	2,660.05	1/4	2,364.13	1/4	2,067.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,689.50	1/2	3,437.66	1/2	3,184.78	1/2	2,931.91	1/2	2,653.90	1/2	2,357.96	1/2	2,061.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,684.32	3/4	3,432.39	3/4	3,179.52	3/4	2,926.64	3/4	2,647.75	3/4	2,351.78	3/4	2,055.54
6	6	6	6	6	6	6	6	6	3,679.13	6	3,427.12	6	3,174.25	6	2,921.37	6	2,641.59	6	2,345.61	6	2,049.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,673.95	1/4	3,421.85	1/4	3,168.98	1/4	2,916.11	1/4	2,635.44	1/4	2,339.44	1/4	2,043.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,668.76	1/2	3,416.59	1/2	3,163.71	1/2	2,910.84	1/2	2,629.29	1/2	2,333.27	1/2	2,037.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,663.58	3/4	3,411.32	3/4	3,158.44	3/4	2,905.57	3/4	2,623.14	3/4	2,327.10	3/4	2,030.85
7	7	7	7	7	7	7	7	7	3,658.40	7	3,406.05	7	3,153.18	7	2,900.30	7	2,616.98	7	2,320.92	7	2,024.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,653.22	1/4	3,400.78	1/4	3,147.91	1/4	2,895.03	1/4	2,610.83	1/4	2,314.75	1/4	2,018.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,648.04	1/2	3,395.51	1/2	3,142.64	1/2	2,889.77	1/2	2,604.68	1/2	2,308.58	1/2	2,012.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,642.86	3/4	3,390.24	3/4	3,137.37	3/4	2,884.50	3/4	2,598.52	3/4	2,302.41	3/4	2,006.16
8	8	8	8	8	8	8	8	8	3,637.68	8	3,384.98	8	3,132.10	8	2,879.23	8	2,592.37	8	2,296.24	8	1,999.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,632.49	1/4	3,379.71	1/4	3,126.83	1/4	2,873.96	1/4	2,586.22	1/4	2,290.07	1/4	1,993.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,627.31	1/2	3,374.44	1/2	3,121.57	1/2	2,868.69	1/2	2,580.06	1/2	2,283.89	1/2	1,987.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,622.05	3/4	3,369.17	3/4	3,116.30	3/4	2,863.40	3/4	2,573.91	3/4	2,277.72	3/4	1,981.48
9	9	9	9	9	9	9	9	9	3,616.78	9	3,363.90	9	3,111.03	9	2,858.11	9	2,567.76	9	2,271.55	9	1,975.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,611.51	1/4	3,358.64	1/4	3,105.76	1/4	2,852.81	1/4	2,561.61	1/4	2,265.38	1/4	1,969.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,606.24	1/2	3,353.37	1/2	3,100.49	1/2	2,847.52	1/2	2,555.45	1/2	2,259.21	1/2	1,962.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,600.97	3/4	3,348.10	3/4	3,095.23	3/4	2,842.23	3/4	2,549.28	3/4	2,253.03	3/4	1,956.79
10	10	10	10	10	10	10	10	10	3,595.70	10	3,342.83	10	3,089.96	10	2,836.93	10	2,543.11	10	2,246.86	10	1,950.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,590.44	1/4	3,337.56	1/4	3,084.69	1/4	2,831.64	1/4	2,536.94	1/4	2,240.69	1/4	1,944.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,585.17	1/2	3,332.29	1/2	3,079.42	1/2	2,826.35	1/2	2,530.77	1/2	2,234.52	1/2	1,938.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,579.90	3/4	3,327.03	3/4	3,074.15	3/4	2,820.15	3/4	2,524.59	3/4	2,228.35	3/4	1,932.10
11	11	11	11	11	11	11	11	11	3,574.63	11	3,321.76	11	3,068.88	11	2,813.96	11	2,518.42	11	2,222.18	11	1,925.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,569.36	1/4	3,316.49	1/4	3,063.62	1/4	2,807.77	1/4	2,512.25	1/4	2,216.00	1/4	1,919.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,564.10	1/2	3,311.22	1/2	3,058.35	1/2	2,801.57	1/2	2,506.08	1/2	2,209.83	1/2	1,913.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,558.83	3/4	3,305.95	3/4	3,053.08	3/4	2,795.42	3/4	2,499.91	3/4	2,203.66	3/4	1,907.41

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 32'-00" FORWARD OF AFT BULKHEAD.

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 10441"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	1,901.24		1,604.77		1,308.13		1,011.47		720.65		424.07		127.20								
1/4	1,895.07	1/4	1,598.60	1/4	1,301.95	1/4	1,005.29	1/4	714.57	1/4	417.89	1/4	121.02	1/4		1/4		1/4		1/4	
1/2	1,888.90	1/2	1,592.42	1/2	1,295.76	1/2	999.11	1/2	708.48	1/2	411.70	1/2	114.85	1/2		1/2		1/2		1/2	
3/4	1,882.73	3/4	1,586.24	3/4	1,289.58	3/4	992.93	3/4	702.31	3/4	405.52	3/4	108.69	3/4		3/4		3/4		3/4	
1	1,876.55	1	1,580.06	1	1,283.40	1	986.75	1	696.15	1	399.33	1	102.53	1		1		1		1	
1/4	1,870.38	1/4	1,573.88	1/4	1,277.22	1/4	980.57	1/4	689.98	1/4	393.15	1/4	96.38	1/4		1/4		1/4		1/4	
1/2	1,864.21	1/2	1,567.70	1/2	1,271.04	1/2	974.39	1/2	683.82	1/2	386.96	1/2	90.22	1/2		1/2		1/2		1/2	
3/4	1,858.04	3/4	1,561.52	3/4	1,264.86	3/4	968.27	3/4	677.63	3/4	380.78	3/4	84.09	3/4		3/4		3/4		3/4	
2	1,851.87	2	1,555.34	2	1,258.68	2	962.15	2	671.45	2	374.59	2	77.97	2		2		2		2	
1/4	1,845.70	1/4	1,549.16	1/4	1,252.50	1/4	956.04	1/4	665.27	1/4	368.41	1/4	71.84	1/4		1/4		1/4		1/4	
1/2	1,839.52	1/2	1,542.98	1/2	1,246.32	1/2	949.92	1/2	659.08	1/2	362.22	1/2	65.72	1/2		1/2		1/2		1/2	
3/4	1,833.35	3/4	1,536.80	3/4	1,240.14	3/4	943.86	3/4	652.90	3/4	356.04	3/4	59.65	3/4		3/4		3/4		3/4	
3	1,827.18	3	1,530.62	3	1,233.96	3	937.81	3	646.72	3	349.86	3	53.58	3		3		3		3	
1/4	1,821.01	1/4	1,524.44	1/4	1,227.78	1/4	931.76	1/4	640.53	1/4	343.67	1/4	47.51	1/4		1/4		1/4		1/4	
1/2	1,814.84	1/2	1,518.26	1/2	1,221.60	1/2	925.70	1/2	634.35	1/2	337.49	1/2	41.45	1/2		1/2		1/2		1/2	
3/4	1,808.66	3/4	1,512.08	3/4	1,215.42	3/4	919.65	3/4	628.17	3/4	331.30	3/4	36.29	3/4		3/4		3/4		3/4	
4	1,802.48	4	1,505.90	4	1,209.24	4	913.59	4	621.98	4	325.12	4	31.14	4		4		4		4	
1/4	1,796.30	1/4	1,499.71	1/4	1,203.06	1/4	907.54	1/4	615.80	1/4	318.93	1/4	25.98	1/4		1/4		1/4		1/4	
1/2	1,790.12	1/2	1,493.53	1/2	1,196.88	1/2	901.49	1/2	609.61	1/2	312.75	1/2	20.83	1/2		1/2		1/2		1/2	
3/4	1,783.94	3/4	1,487.35	3/4	1,190.70	3/4	895.45	3/4	603.43	3/4	306.56	3/4	17.73	3/4		3/4		3/4		3/4	
5	1,777.76	5	1,481.17	5	1,184.52	5	889.41	5	597.24	5	300.38	5	14.63	5		5		5		5	
1/4	1,771.58	1/4	1,474.99	1/4	1,178.34	1/4	883.37	1/4	591.06	1/4	294.19	1/4	11.54	1/4		1/4		1/4		1/4	
1/2	1,765.40	1/2	1,468.81	1/2	1,172.16	1/2	877.33	1/2	584.87	1/2	288.01	1/2	8.44	1/2		1/2		1/2		1/2	
3/4	1,759.22	3/4	1,462.63	3/4	1,165.98	3/4	871.31	3/4	578.69	3/4	281.82	3/4	7.41	3/4		3/4		3/4		3/4	
6	1,753.04	6	1,456.45	6	1,159.80	6	865.29	6	572.50	6	275.64	6	6.37	6		6		6		6	
1/4	1,746.86	1/4	1,450.27	1/4	1,153.62	1/4	859.27	1/4	566.32	1/4	269.45	1/4	5.34	1/4		1/4		1/4		1/4	
1/2	1,740.68	1/2	1,444.09	1/2	1,147.44	1/2	853.25	1/2	560.13	1/2	263.27	1/2	4.31	1/2		1/2		1/2		1/2	
3/4	1,734.50	3/4	1,437.91	3/4	1,141.26	3/4	847.23	3/4	553.95	3/4	257.08	3/4		3/4		3/4		3/4		3/4	
7	1,728.32	7	1,431.73	7	1,135.08	7	841.21	7	547.77	7	250.90	7		7		7		7		7	
1/4	1,722.14	1/4	1,425.55	1/4	1,128.90	1/4	835.19	1/4	541.58	1/4	244.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,715.96	1/2	1,419.37	1/2	1,122.72	1/2	829.16	1/2	535.40	1/2	238.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,709.78	3/4	1,413.19	3/4	1,116.54	3/4	823.14	3/4	529.21	3/4	232.35	3/4		3/4		3/4		3/4		3/4	
8	1,703.61	8	1,407.01	8	1,110.36	8	817.12	8	523.03	8	226.16	8		8		8		8		8	
1/4	1,697.43	1/4	1,400.83	1/4	1,104.18	1/4	811.10	1/4	516.84	1/4	219.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,691.25	1/2	1,394.65	1/2	1,098.00	1/2	805.08	1/2	510.66	1/2	213.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,685.08	3/4	1,388.47	3/4	1,091.82	3/4	799.06	3/4	504.47	3/4	207.61	3/4		3/4		3/4		3/4		3/4	
9	1,678.90	9	1,382.29	9	1,085.63	9	793.04	9	498.29	9	201.42	9		9		9		9		9	
1/4	1,672.72	1/4	1,376.11	1/4	1,079.45	1/4	787.01	1/4	492.10	1/4	195.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,666.54	1/2	1,369.93	1/2	1,073.27	1/2	780.99	1/2	485.92	1/2	189.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,660.37	3/4	1,363.75	3/4	1,067.09	3/4	774.97	3/4	479.73	3/4	182.87	3/4		3/4		3/4		3/4		3/4	
10	1,654.19	10	1,357.57	10	1,060.91	10	768.95	10	473.55	10	176.69	10		10		10		10		10	
1/4	1,648.01	1/4	1,351.39	1/4	1,054.73	1/4	762.93	1/4	467.36	1/4	170.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,641.84	1/2	1,345.21	1/2	1,048.55	1/2	756.91	1/2	461.18	1/2	164.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,635.66	3/4	1,339.03	3/4	1,042.37	3/4	750.89	3/4	455.00	3/4	158.13	3/4		3/4		3/4		3/4		3/4	
11	1,629.48	11	1,332.85	11	1,036.19	11	744.86	11	448.81	11	151.94	11		11		11		11		11	
1/4	1,623.30	1/4	1,326.67	1/4	1,030.01	1/4	738.84	1/4	442.63	1/4	145.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,617.13	1/2	1,320.49	1/2	1,023.83	1/2	732.82	1/2	436.44	1/2	139.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,610.95	3/4	1,314.31	3/4	1,017.65	3/4	726.74	3/4	430.26	3/4	133.38	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2015 CL
CALCULATED: 03/19/2015 CL
PRINTED: 03/19/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT
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