



BARGE "KIRBY 10110"

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'-06"

April 10, 2024

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

<http://www.pmacorp.net>



BARGE "KIRBY 10110"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

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	3,564.73	0	3,311.45	0	3,058.17	0	2,800.09	0	2,504.08	0	2,207.34
1/4		1/4		1/4		1/4		1/4	3,559.45	1/4	3,306.17	1/4	3,052.89	1/4	2,793.93	1/4	2,497.90	1/4	2,201.16
1/2		1/2		1/2		1/2		1/2	3,554.18	1/2	3,300.89	1/2	3,047.61	1/2	2,787.76	1/2	2,491.72	1/2	2,194.98
3/4		3/4		3/4		3/4		3/4	3,770.06	3/4	3,548.90	3/4	3,295.62	3/4	3,042.34	3/4	2,781.60	3/4	2,485.53
1		1		1		1		1	3,769.03	1	3,543.62	1	3,290.34	1	3,037.06	1	2,775.44	1	2,479.35
1/4		1/4		1/4		1/4		1/4	3,767.99	1/4	3,538.35	1/4	3,285.06	1/4	3,031.78	1/4	2,769.27	1/4	2,473.17
1/2		1/2		1/2		1/2		1/2	3,766.96	1/2	3,533.07	1/2	3,279.79	1/2	3,026.51	1/2	2,763.11	1/2	2,466.99
3/4		3/4		3/4		3/4		3/4	3,765.92	3/4	3,527.79	3/4	3,274.51	3/4	3,021.23	3/4	2,756.95	3/4	2,460.81
2		2		2		2		2	3,762.82	2	3,522.51	2	3,269.23	2	3,015.95	2	2,750.78	2	2,454.62
1/4		1/4		1/4		1/4		1/4	3,759.72	1/4	3,517.24	1/4	3,263.96	1/4	3,010.68	1/4	2,744.62	1/4	2,448.44
1/2		1/2		1/2		1/2		1/2	3,756.61	1/2	3,511.96	1/2	3,258.68	1/2	3,005.40	1/2	2,738.46	1/2	2,442.26
3/4		3/4		3/4		3/4		3/4	3,753.51	3/4	3,506.68	3/4	3,253.40	3/4	3,000.12	3/4	2,732.29	3/4	2,436.08
3		3		3		3		3	3,749.35	3	3,501.41	3	3,248.13	3	2,994.84	3	2,726.13	3	2,429.90
1/4		1/4		1/4		1/4		1/4	3,745.20	1/4	3,496.13	1/4	3,242.85	1/4	2,989.57	1/4	2,719.97	1/4	2,423.71
1/2		1/2		1/2		1/2		1/2	3,741.04	1/2	3,490.85	1/2	3,237.57	1/2	2,984.29	1/2	2,713.80	1/2	2,417.53
3/4		3/4		3/4		3/4		3/4	3,736.89	3/4	3,485.58	3/4	3,232.30	3/4	2,979.01	3/4	2,707.64	3/4	2,411.35
4		4		4		4		4	3,731.74	4	3,480.30	4	3,227.02	4	2,973.74	4	2,701.48	4	2,405.17
1/4		1/4		1/4		1/4		1/4	3,726.60	1/4	3,475.02	1/4	3,221.74	1/4	2,968.46	1/4	2,695.31	1/4	2,398.99
1/2		1/2		1/2		1/2		1/2	3,721.46	1/2	3,469.75	1/2	3,216.47	1/2	2,963.18	1/2	2,689.15	1/2	2,392.80
3/4		3/4		3/4		3/4		3/4	3,716.32	3/4	3,464.47	3/4	3,211.19	3/4	2,957.91	3/4	2,682.99	3/4	2,386.62
5		5		5		5		5	3,711.14	5	3,459.19	5	3,205.91	5	2,952.63	5	2,676.82	5	2,380.44
1/4		1/4		1/4		1/4		1/4	3,705.96	1/4	3,453.92	1/4	3,200.64	1/4	2,947.35	1/4	2,670.66	1/4	2,374.26
1/2		1/2		1/2		1/2		1/2	3,700.78	1/2	3,448.64	1/2	3,195.36	1/2	2,942.08	1/2	2,664.50	1/2	2,368.07
3/4		3/4		3/4		3/4		3/4	3,695.61	3/4	3,443.36	3/4	3,190.08	3/4	2,936.80	3/4	2,658.33	3/4	2,361.89
6		6		6		6		6	3,690.42	6	3,438.09	6	3,184.81	6	2,931.52	6	2,652.17	6	2,355.71
1/4		1/4		1/4		1/4		1/4	3,685.22	1/4	3,432.81	1/4	3,179.53	1/4	2,926.25	1/4	2,646.01	1/4	2,349.53
1/2		1/2		1/2		1/2		1/2	3,680.03	1/2	3,427.53	1/2	3,174.25	1/2	2,920.97	1/2	2,639.84	1/2	2,343.35
3/4		3/4		3/4		3/4		3/4	3,674.84	3/4	3,422.26	3/4	3,168.98	3/4	2,915.69	3/4	2,633.68	3/4	2,337.16
7		7		7		7		7	3,669.65	7	3,416.98	7	3,163.70	7	2,910.42	7	2,627.52	7	2,330.98
1/4		1/4		1/4		1/4		1/4	3,664.46	1/4	3,411.70	1/4	3,158.42	1/4	2,905.14	1/4	2,621.35	1/4	2,324.80
1/2		1/2		1/2		1/2		1/2	3,659.27	1/2	3,406.43	1/2	3,153.15	1/2	2,899.86	1/2	2,615.19	1/2	2,318.62
3/4		3/4		3/4		3/4		3/4	3,654.08	3/4	3,401.15	3/4	3,147.87	3/4	2,894.59	3/4	2,609.03	3/4	2,312.44
8		8		8		8		8	3,648.89	8	3,395.87	8	3,142.59	8	2,889.31	8	2,602.86	8	2,306.25
1/4		1/4		1/4		1/4		1/4	3,643.70	1/4	3,390.60	1/4	3,137.32	1/4	2,884.03	1/4	2,596.70	1/4	2,300.07
1/2		1/2		1/2		1/2		1/2	3,638.51	1/2	3,385.32	1/2	3,132.04	1/2	2,878.76	1/2	2,590.54	1/2	2,293.89
3/4		3/4		3/4		3/4		3/4	3,633.33	3/4	3,380.04	3/4	3,126.76	3/4	2,873.48	3/4	2,584.37	3/4	2,287.71
9		9		9		9		9	3,628.05	9	3,374.77	9	3,121.49	9	2,868.18	9	2,578.21	9	2,281.53
1/4		1/4		1/4		1/4		1/4	3,622.77	1/4	3,369.49	1/4	3,116.21	1/4	2,862.88	1/4	2,572.05	1/4	2,275.34
1/2		1/2		1/2		1/2		1/2	3,617.50	1/2	3,364.21	1/2	3,110.93	1/2	2,857.58	1/2	2,565.88	1/2	2,269.16
3/4		3/4		3/4		3/4		3/4	3,612.22	3/4	3,358.94	3/4	3,105.66	3/4	2,852.27	3/4	2,559.72	3/4	2,262.98
10		10		10		10		10	3,606.94	10	3,353.66	10	3,100.38	10	2,846.97	10	2,553.54	10	2,256.80
1/4		1/4		1/4		1/4		1/4	3,601.67	1/4	3,348.38	1/4	3,095.10	1/4	2,841.67	1/4	2,547.36	1/4	2,250.62
1/2		1/2		1/2		1/2		1/2	3,596.39	1/2	3,343.11	1/2	3,089.83	1/2	2,836.37	1/2	2,541.17	1/2	2,244.43
3/4		3/4		3/4		3/4		3/4	3,591.11	3/4	3,337.83	3/4	3,084.55	3/4	2,831.07	3/4	2,534.99	3/4	2,238.25
11		11		11		11		11	3,585.84	11	3,332.55	11	3,079.27	11	2,824.86	11	2,528.81	11	2,232.07
1/4		1/4		1/4		1/4		1/4	3,580.56	1/4	3,327.28	1/4	3,074.00	1/4	2,818.66	1/4	2,522.63	1/4	2,225.89
1/2		1/2		1/2		1/2		1/2	3,575.28	1/2	3,322.00	1/2	3,068.72	1/2	2,812.46	1/2	2,516.45	1/2	2,219.70
3/4		3/4		3/4		3/4		3/4	3,570.01	3/4	3,316.72	3/4	3,063.44	3/4	2,806.25	3/4	2,510.26	3/4	2,213.52

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 32'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 10110"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,910.60	0	1,613.65	0	1,316.50	0	1,019.35	0	727.95	0	430.98	0	133.60	0		0		0	
1/4	1,904.42	1/4	1,607.46	1/4	1,310.31	1/4	1,013.16	1/4	721.86	1/4	424.78	1/4	127.42	1/4	1/4	1/4		1/4	
1/2	1,898.24	1/2	1,601.27	1/2	1,304.12	1/2	1,006.97	1/2	715.76	1/2	418.59	1/2	121.23	1/2	1/2	1/2		1/2	
3/4	1,892.05	3/4	1,595.09	3/4	1,297.93	3/4	1,000.78	3/4	709.67	3/4	412.39	3/4	115.04	3/4	3/4	3/4		3/4	
1	1,885.87	1	1,588.90	1	1,291.74	1	994.59	1	703.49	1	406.20	1	108.87	1	1	1		1	
1/4	1,879.69	1/4	1,582.70	1/4	1,285.55	1/4	988.40	1/4	697.31	1/4	400.00	1/4	102.71	1/4	1/4	1/4		1/4	
1/2	1,873.51	1/2	1,576.51	1/2	1,279.36	1/2	982.21	1/2	691.14	1/2	393.81	1/2	96.54	1/2	1/2	1/2		1/2	
3/4	1,867.32	3/4	1,570.32	3/4	1,273.17	3/4	976.02	3/4	684.96	3/4	387.61	3/4	90.37	3/4	3/4	3/4		3/4	
2	1,861.14	2	1,564.13	2	1,266.98	2	969.89	2	678.77	2	381.42	2	84.24	2	2	2		2	
1/4	1,854.96	1/4	1,557.94	1/4	1,260.79	1/4	963.76	1/4	672.57	1/4	375.22	1/4	78.10	1/4	1/4	1/4		1/4	
1/2	1,848.78	1/2	1,551.75	1/2	1,254.60	1/2	957.63	1/2	666.38	1/2	369.03	1/2	71.97	1/2	1/2	1/2		1/2	
3/4	1,842.60	3/4	1,545.56	3/4	1,248.41	3/4	951.51	3/4	660.18	3/4	362.83	3/4	65.83	3/4	3/4	3/4		3/4	
3	1,836.41	3	1,539.37	3	1,242.22	3	945.44	3	653.99	3	356.64	3	59.75	3	3	3		3	
1/4	1,830.23	1/4	1,533.18	1/4	1,236.03	1/4	939.38	1/4	647.80	1/4	350.44	1/4	53.67	1/4	1/4	1/4		1/4	
1/2	1,824.05	1/2	1,526.99	1/2	1,229.83	1/2	933.31	1/2	641.60	1/2	344.25	1/2	47.60	1/2	1/2	1/2		1/2	
3/4	1,817.87	3/4	1,520.80	3/4	1,223.64	3/4	927.25	3/4	635.41	3/4	338.05	3/4	41.52	3/4	3/4	3/4		3/4	
4	1,811.68	4	1,514.61	4	1,217.45	4	921.18	4	629.22	4	331.86	4	36.35	4	4	4		4	
1/4	1,805.49	1/4	1,508.42	1/4	1,211.26	1/4	915.12	1/4	623.02	1/4	325.66	1/4	31.19	1/4	1/4	1/4		1/4	
1/2	1,799.30	1/2	1,502.23	1/2	1,205.07	1/2	909.06	1/2	616.83	1/2	319.47	1/2	26.03	1/2	1/2	1/2		1/2	
3/4	1,793.11	3/4	1,496.03	3/4	1,198.88	3/4	902.99	3/4	610.63	3/4	313.27	3/4	20.86	3/4	3/4	3/4		3/4	
5	1,786.92	5	1,489.84	5	1,192.69	5	896.94	5	604.44	5	307.08	5	17.76	5	5	5		5	
1/4	1,780.73	1/4	1,483.65	1/4	1,186.50	1/4	890.90	1/4	598.24	1/4	300.88	1/4	14.66	1/4	1/4	1/4		1/4	
1/2	1,774.54	1/2	1,477.46	1/2	1,180.31	1/2	884.85	1/2	592.05	1/2	294.69	1/2	11.56	1/2	1/2	1/2		1/2	
3/4	1,768.34	3/4	1,471.27	3/4	1,174.12	3/4	878.80	3/4	585.85	3/4	288.49	3/4	8.45	3/4	3/4	3/4		3/4	
6	1,762.15	6	1,465.08	6	1,167.93	6	872.77	6	579.66	6	282.30	6	7.42	6	6	6		6	
1/4	1,755.96	1/4	1,458.89	1/4	1,161.74	1/4	866.74	1/4	573.46	1/4	276.10	1/4	6.38	1/4	1/4	1/4		1/4	
1/2	1,749.77	1/2	1,452.70	1/2	1,155.55	1/2	860.71	1/2	567.27	1/2	269.91	1/2	5.35	1/2	1/2	1/2		1/2	
3/4	1,743.58	3/4	1,446.51	3/4	1,149.36	3/4	854.67	3/4	561.07	3/4	263.71	3/4	4.32	3/4	3/4	3/4		3/4	
7	1,737.39	7	1,440.32	7	1,143.16	7	848.64	7	554.88	7	257.52	7		7	7	7		7	
1/4	1,731.20	1/4	1,434.13	1/4	1,136.97	1/4	842.61	1/4	548.68	1/4	251.32	1/4		1/4	1/4	1/4		1/4	
1/2	1,725.02	1/2	1,427.94	1/2	1,130.78	1/2	836.58	1/2	542.49	1/2	245.13	1/2		1/2	1/2	1/2		1/2	
3/4	1,718.83	3/4	1,421.75	3/4	1,124.59	3/4	830.55	3/4	536.29	3/4	238.93	3/4		3/4	3/4	3/4		3/4	
8	1,712.64	8	1,415.56	8	1,118.40	8	824.52	8	530.10	8	232.74	8		8	8	8		8	
1/4	1,706.45	1/4	1,409.37	1/4	1,112.21	1/4	818.49	1/4	523.90	1/4	226.54	1/4		1/4	1/4	1/4		1/4	
1/2	1,700.27	1/2	1,403.17	1/2	1,106.02	1/2	812.46	1/2	517.71	1/2	220.35	1/2		1/2	1/2	1/2		1/2	
3/4	1,694.08	3/4	1,396.98	3/4	1,099.83	3/4	806.42	3/4	511.51	3/4	214.15	3/4		3/4	3/4	3/4		3/4	
9	1,687.89	9	1,390.79	9	1,093.64	9	800.39	9	505.32	9	207.96	9		9	9	9		9	
1/4	1,681.70	1/4	1,384.60	1/4	1,087.45	1/4	794.36	1/4	499.12	1/4	201.76	1/4		1/4	1/4	1/4		1/4	
1/2	1,675.52	1/2	1,378.41	1/2	1,081.26	1/2	788.33	1/2	492.93	1/2	195.57	1/2		1/2	1/2	1/2		1/2	
3/4	1,669.33	3/4	1,372.22	3/4	1,075.07	3/4	782.30	3/4	486.73	3/4	189.37	3/4		3/4	3/4	3/4		3/4	
10	1,663.14	10	1,366.03	10	1,068.88	10	776.27	10	480.54	10	183.18	10		10	10	10		10	
1/4	1,656.96	1/4	1,359.84	1/4	1,062.69	1/4	770.24	1/4	474.34	1/4	176.98	1/4		1/4	1/4	1/4		1/4	
1/2	1,650.77	1/2	1,353.65	1/2	1,056.50	1/2	764.20	1/2	468.15	1/2	170.79	1/2		1/2	1/2	1/2		1/2	
3/4	1,644.58	3/4	1,347.46	3/4	1,050.30	3/4	758.17	3/4	461.95	3/4	164.59	3/4		3/4	3/4	3/4		3/4	
11	1,638.40	11	1,341.27	11	1,044.11	11	752.14	11	455.76	11	158.39	11		11	11	11		11	
1/4	1,632.21	1/4	1,335.08	1/4	1,037.92	1/4	746.11	1/4	449.56	1/4	152.19	1/4		1/4	1/4	1/4		1/4	
1/2	1,626.02	1/2	1,328.89	1/2	1,031.73	1/2	740.08	1/2	443.37	1/2	145.99	1/2		1/2	1/2	1/2		1/2	
3/4	1,619.83	3/4	1,322.70	3/4	1,025.54	3/4	734.05	3/4	437.17	3/4	139.79	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/06/2014 CL
CALCULATED: 03/06/2014 CL
VERIFIED: 04/09/2024

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

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



BARGE "KIRBY 10110"

2 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	3,260.03	0	2,998.14	0	2,736.25	0	2,473.95	0	2,210.66	0	1,947.36		
1/4		1/4		1/4		1/4		1/4	3,254.57	1/4	2,992.68	1/4	2,730.79	1/4	2,468.47	1/4	2,205.17	1/4	1,941.88		
1/2		1/2		1/2		1/2		1/2	3,475.78	1/2	3,249.11	1/2	2,987.23	1/2	2,725.34	1/2	2,462.98	1/2	2,199.69	1/2	1,936.39
3/4		3/4		3/4		3/4		3/4	3,474.86	3/4	3,243.66	3/4	2,981.77	3/4	2,719.88	3/4	2,457.50	3/4	2,194.20	3/4	1,930.91
1		1		1		1		1	3,473.95	1	3,238.20	1	2,976.31	1	2,714.43	1	2,452.01	1	2,188.72	1	1,925.42
1/4		1/4		1/4		1/4		1/4	3,473.03	1/4	3,232.75	1/4	2,970.86	1/4	2,708.97	1/4	2,446.53	1/4	2,183.23	1/4	1,919.94
1/2		1/2		1/2		1/2		1/2	3,472.12	1/2	3,227.29	1/2	2,965.40	1/2	2,703.51	1/2	2,441.04	1/2	2,177.75	1/2	1,914.45
3/4		3/4		3/4		3/4		3/4	3,469.37	3/4	3,221.83	3/4	2,959.95	3/4	2,698.06	3/4	2,435.55	3/4	2,172.26	3/4	1,908.97
2		2		2		2		2	3,466.63	2	3,216.38	2	2,954.49	2	2,692.60	2	2,430.07	2	2,166.77	2	1,903.48
1/4		1/4		1/4		1/4		1/4	3,463.88	1/4	3,210.92	1/4	2,949.03	1/4	2,687.15	1/4	2,424.58	1/4	2,161.29	1/4	1,898.00
1/2		1/2		1/2		1/2		1/2	3,461.14	1/2	3,205.47	1/2	2,943.58	1/2	2,681.69	1/2	2,419.10	1/2	2,155.80	1/2	1,892.51
3/4		3/4		3/4		3/4		3/4	3,456.70	3/4	3,200.01	3/4	2,938.12	3/4	2,676.23	3/4	2,413.61	3/4	2,150.32	3/4	1,887.02
3		3		3		3		3	3,452.25	3	3,194.55	3	2,932.67	3	2,670.78	3	2,408.13	3	2,144.83	3	1,881.54
1/4		1/4		1/4		1/4		1/4	3,447.81	1/4	3,189.10	1/4	2,927.21	1/4	2,665.32	1/4	2,402.64	1/4	2,139.35	1/4	1,876.05
1/2		1/2		1/2		1/2		1/2	3,443.36	1/2	3,183.64	1/2	2,921.75	1/2	2,659.87	1/2	2,397.16	1/2	2,133.86	1/2	1,870.57
3/4		3/4		3/4		3/4		3/4	3,438.05	3/4	3,178.19	3/4	2,916.30	3/4	2,654.41	3/4	2,391.67	3/4	2,128.38	3/4	1,865.08
4		4		4		4		4	3,432.73	4	3,172.73	4	2,910.84	4	2,648.95	4	2,386.19	4	2,122.89	4	1,859.60
1/4		1/4		1/4		1/4		1/4	3,427.41	1/4	3,167.27	1/4	2,905.39	1/4	2,643.50	1/4	2,380.70	1/4	2,117.41	1/4	1,854.11
1/2		1/2		1/2		1/2		1/2	3,422.10	1/2	3,161.82	1/2	2,899.93	1/2	2,638.04	1/2	2,375.22	1/2	2,111.92	1/2	1,848.63
3/4		3/4		3/4		3/4		3/4	3,416.75	3/4	3,156.36	3/4	2,894.47	3/4	2,632.59	3/4	2,369.73	3/4	2,106.44	3/4	1,843.14
5		5		5		5		5	3,411.40	5	3,150.91	5	2,889.02	5	2,627.13	5	2,364.25	5	2,100.95	5	1,837.66
1/4		1/4		1/4		1/4		1/4	3,406.05	1/4	3,145.45	1/4	2,883.56	1/4	2,621.67	1/4	2,358.76	1/4	2,095.47	1/4	1,832.17
1/2		1/2		1/2		1/2		1/2	3,400.71	1/2	3,139.99	1/2	2,878.11	1/2	2,616.22	1/2	2,353.28	1/2	2,089.98	1/2	1,826.69
3/4		3/4		3/4		3/4		3/4	3,395.35	3/4	3,134.54	3/4	2,872.65	3/4	2,610.76	3/4	2,347.79	3/4	2,084.50	3/4	1,821.20
6		6		6		6		6	3,389.99	6	3,129.08	6	2,867.19	6	2,605.31	6	2,342.30	6	2,079.01	6	1,815.72
1/4		1/4		1/4		1/4		1/4	3,384.63	1/4	3,123.63	1/4	2,861.74	1/4	2,599.85	1/4	2,336.82	1/4	2,073.52	1/4	1,810.23
1/2		1/2		1/2		1/2		1/2	3,379.27	1/2	3,118.17	1/2	2,856.28	1/2	2,594.39	1/2	2,331.33	1/2	2,068.04	1/2	1,804.75
3/4		3/4		3/4		3/4		3/4	3,373.91	3/4	3,112.71	3/4	2,850.83	3/4	2,588.94	3/4	2,325.85	3/4	2,062.55	3/4	1,799.26
7		7		7		7		7	3,368.55	7	3,107.26	7	2,845.37	7	2,583.48	7	2,320.36	7	2,057.07	7	1,793.77
1/4		1/4		1/4		1/4		1/4	3,363.19	1/4	3,101.80	1/4	2,839.91	1/4	2,578.03	1/4	2,314.88	1/4	2,051.58	1/4	1,788.29
1/2		1/2		1/2		1/2		1/2	3,357.84	1/2	3,096.35	1/2	2,834.46	1/2	2,572.57	1/2	2,309.39	1/2	2,046.10	1/2	1,782.80
3/4		3/4		3/4		3/4		3/4	3,352.48	3/4	3,090.89	3/4	2,829.00	3/4	2,567.11	3/4	2,303.91	3/4	2,040.61	3/4	1,777.32
8		8		8		8		8	3,347.12	8	3,085.43	8	2,823.55	8	2,561.66	8	2,298.42	8	2,035.13	8	1,771.83
1/4		1/4		1/4		1/4		1/4	3,341.77	1/4	3,079.98	1/4	2,818.09	1/4	2,556.20	1/4	2,292.94	1/4	2,029.64	1/4	1,766.35
1/2		1/2		1/2		1/2		1/2	3,336.41	1/2	3,074.52	1/2	2,812.63	1/2	2,550.75	1/2	2,287.45	1/2	2,024.16	1/2	1,760.86
3/4		3/4		3/4		3/4		3/4	3,330.95	3/4	3,069.07	3/4	2,807.18	3/4	2,545.26	3/4	2,281.97	3/4	2,018.67	3/4	1,755.38
9		9		9		9		9	3,325.50	9	3,063.61	9	2,801.72	9	2,539.78	9	2,276.48	9	2,013.19	9	1,749.89
1/4		1/4		1/4		1/4		1/4	3,320.04	1/4	3,058.15	1/4	2,796.27	1/4	2,534.29	1/4	2,271.00	1/4	2,007.70	1/4	1,744.41
1/2		1/2		1/2		1/2		1/2	3,314.59	1/2	3,052.70	1/2	2,790.81	1/2	2,528.80	1/2	2,265.51	1/2	2,002.22	1/2	1,738.92
3/4		3/4		3/4		3/4		3/4	3,309.13	3/4	3,047.24	3/4	2,785.35	3/4	2,523.32	3/4	2,260.02	3/4	1,996.73	3/4	1,733.44
10		10		10		10		10	3,303.67	10	3,041.79	10	2,779.90	10	2,517.83	10	2,254.54	10	1,991.25	10	1,727.95
1/4		1/4		1/4		1/4		1/4	3,298.22	1/4	3,036.33	1/4	2,774.44	1/4	2,512.35	1/4	2,249.05	1/4	1,985.76	1/4	1,722.47
1/2		1/2		1/2		1/2		1/2	3,292.76	1/2	3,030.87	1/2	2,768.99	1/2	2,506.86	1/2	2,243.57	1/2	1,980.27	1/2	1,716.98
3/4		3/4		3/4		3/4		3/4	3,287.31	3/4	3,025.42	3/4	2,763.53	3/4	2,501.38	3/4	2,238.08	3/4	1,974.79	3/4	1,711.49
11		11		11		11		11	3,281.85	11	3,019.96	11	2,758.07	11	2,495.89	11	2,232.60	11	1,969.30	11	1,706.01
1/4		1/4		1/4		1/4		1/4	3,276.39	1/4	3,014.51	1/4	2,752.62	1/4	2,490.41	1/4	2,227.11	1/4	1,963.82	1/4	1,700.52
1/2		1/2		1/2		1/2		1/2	3,270.94	1/2	3,009.05	1/2	2,747.16	1/2	2,484.92	1/2	2,221.63	1/2	1,958.33	1/2	1,695.04
3/4		3/4		3/4		3/4		3/4	3,265.48	3/4	3,003.59	3/4	2,741.71	3/4	2,479.44	3/4	2,216.14	3/4	1,952.85	3/4	1,689.55

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.
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 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 10110"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

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	1,684.07	0	1,420.77	0	1,157.32	0	895.56	0	636.27	0	372.91	0	109.53	0		0		0	
1/4	1,678.58	1/4	1,415.29	1/4	1,151.83	1/4	890.16	1/4	630.82	1/4	367.42	1/4	104.06	1/4	1/4	1/4		1/4	1/4
1/2	1,673.10	1/2	1,409.80	1/2	1,146.35	1/2	884.75	1/2	625.38	1/2	361.94	1/2	98.59	1/2	1/2	1/2		1/2	1/2
3/4	1,667.61	3/4	1,404.31	3/4	1,140.86	3/4	879.35	3/4	619.89	3/4	356.45	3/4	93.14	3/4	3/4	3/4		3/4	3/4
1	1,662.13	1	1,398.83	1	1,135.37	1	873.95	1	614.40	1	350.96	1	87.68	1	1	1		1	1
1/4	1,656.64	1/4	1,393.34	1/4	1,129.88	1/4	868.54	1/4	608.91	1/4	345.47	1/4	82.23	1/4	1/4	1/4		1/4	1/4
1/2	1,651.16	1/2	1,387.85	1/2	1,124.39	1/2	863.14	1/2	603.42	1/2	339.98	1/2	76.77	1/2	1/2	1/2		1/2	1/2
3/4	1,645.67	3/4	1,382.36	3/4	1,118.90	3/4	857.73	3/4	597.93	3/4	334.50	3/4	71.35	3/4	3/4	3/4		3/4	3/4
2	1,640.19	2	1,376.87	2	1,113.41	2	852.33	2	592.45	2	329.01	2	65.92	2	2	2		2	2
1/4	1,634.70	1/4	1,371.38	1/4	1,107.92	1/4	846.93	1/4	586.96	1/4	323.52	1/4	60.50	1/4	1/4	1/4		1/4	1/4
1/2	1,629.22	1/2	1,365.89	1/2	1,102.44	1/2	841.52	1/2	581.47	1/2	318.03	1/2	55.07	1/2	1/2	1/2		1/2	1/2
3/4	1,623.73	3/4	1,360.41	3/4	1,096.95	3/4	836.12	3/4	575.98	3/4	312.54	3/4	49.70	3/4	3/4	3/4		3/4	3/4
3	1,618.24	3	1,354.92	3	1,091.46	3	830.72	3	570.49	3	307.05	3	44.32	3	3	3		3	3
1/4	1,612.76	1/4	1,349.43	1/4	1,085.97	1/4	825.31	1/4	565.00	1/4	301.57	1/4	38.95	1/4	1/4	1/4		1/4	1/4
1/2	1,607.27	1/2	1,343.94	1/2	1,080.48	1/2	819.91	1/2	559.52	1/2	296.08	1/2	33.57	1/2	1/2	1/2		1/2	1/2
3/4	1,601.79	3/4	1,338.45	3/4	1,074.99	3/4	814.51	3/4	554.03	3/4	290.59	3/4	29.01	3/4	3/4	3/4		3/4	3/4
4	1,596.30	4	1,332.96	4	1,069.50	4	809.11	4	548.54	4	285.10	4	24.44	4	4	4		4	4
1/4	1,590.82	1/4	1,327.47	1/4	1,064.02	1/4	803.71	1/4	543.05	1/4	279.61	1/4	19.88	1/4	1/4	1/4		1/4	1/4
1/2	1,585.33	1/2	1,321.98	1/2	1,058.53	1/2	798.31	1/2	537.56	1/2	274.12	1/2	15.31	1/2	1/2	1/2		1/2	1/2
3/4	1,579.85	3/4	1,316.50	3/4	1,053.04	3/4	792.91	3/4	532.07	3/4	268.64	3/4	12.57	3/4	3/4	3/4		3/4	3/4
5	1,574.36	5	1,311.01	5	1,047.55	5	787.52	5	526.59	5	263.15	5	9.82	5	5	5		5	5
1/4	1,568.88	1/4	1,305.52	1/4	1,042.06	1/4	782.12	1/4	521.10	1/4	257.66	1/4	7.08	1/4	1/4	1/4		1/4	1/4
1/2	1,563.39	1/2	1,300.03	1/2	1,036.57	1/2	776.72	1/2	515.61	1/2	252.17	1/2	4.34	1/2	1/2	1/2		1/2	1/2
3/4	1,557.91	3/4	1,294.54	3/4	1,031.08	3/4	771.32	3/4	510.12	3/4	246.68	3/4	3.42	3/4	3/4	3/4		3/4	3/4
6	1,552.42	6	1,289.05	6	1,025.59	6	765.92	6	504.63	6	241.19	6	2.51	6	6	6		6	6
1/4	1,546.94	1/4	1,283.56	1/4	1,020.11	1/4	760.52	1/4	499.14	1/4	235.71	1/4	1.59	1/4	1/4	1/4		1/4	1/4
1/2	1,541.45	1/2	1,278.07	1/2	1,014.62	1/2	755.12	1/2	493.66	1/2	230.22	1/2	0.68	1/2	1/2	1/2		1/2	1/2
3/4	1,535.97	3/4	1,272.59	3/4	1,009.17	3/4	749.73	3/4	488.17	3/4	224.73	3/4		3/4	3/4	3/4		3/4	3/4
7	1,530.48	7	1,267.10	7	1,003.72	7	744.33	7	482.68	7	219.24	7		7	7	7		7	7
1/4	1,524.99	1/4	1,261.61	1/4	998.28	1/4	738.93	1/4	477.19	1/4	213.75	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,519.51	1/2	1,256.12	1/2	992.83	1/2	733.53	1/2	471.70	1/2	208.26	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,514.02	3/4	1,250.63	3/4	987.43	3/4	728.13	3/4	466.21	3/4	202.78	3/4		3/4	3/4	3/4		3/4	3/4
8	1,508.54	8	1,245.14	8	982.02	8	722.73	8	460.73	8	197.29	8		8	8	8		8	8
1/4	1,503.05	1/4	1,239.65	1/4	976.62	1/4	717.33	1/4	455.24	1/4	191.80	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,497.57	1/2	1,234.17	1/2	971.21	1/2	711.94	1/2	449.75	1/2	186.31	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,492.08	3/4	1,228.68	3/4	965.81	3/4	706.54	3/4	444.26	3/4	180.82	3/4		3/4	3/4	3/4		3/4	3/4
9	1,486.60	9	1,223.19	9	960.41	9	701.14	9	438.77	9	175.33	9		9	9	9		9	9
1/4	1,481.11	1/4	1,217.70	1/4	955.00	1/4	695.74	1/4	433.28	1/4	169.85	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,475.63	1/2	1,212.21	1/2	949.60	1/2	690.34	1/2	427.80	1/2	164.36	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,470.14	3/4	1,206.72	3/4	944.19	3/4	684.94	3/4	422.31	3/4	158.87	3/4		3/4	3/4	3/4		3/4	3/4
10	1,464.66	10	1,201.23	10	938.79	10	679.54	10	416.82	10	153.38	10		10	10	10		10	10
1/4	1,459.17	1/4	1,195.74	1/4	933.39	1/4	674.15	1/4	411.33	1/4	147.89	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,453.69	1/2	1,190.26	1/2	927.98	1/2	668.75	1/2	405.84	1/2	142.41	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,448.20	3/4	1,184.77	3/4	922.58	3/4	663.35	3/4	400.35	3/4	136.92	3/4		3/4	3/4	3/4		3/4	3/4
11	1,442.72	11	1,179.28	11	917.18	11	657.95	11	394.87	11	131.44	11		11	11	11		11	11
1/4	1,437.23	1/4	1,173.79	1/4	911.77	1/4	652.55	1/4	389.38	1/4	125.96	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,431.74	1/2	1,168.30	1/2	906.37	1/2	647.16	1/2	383.89	1/2	120.48	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,426.26	3/4	1,162.81	3/4	900.96	3/4	641.71	3/4	378.40	3/4	115.00	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/06/2014 CL
CALCULATED: 03/06/2014 CL
VERIFIED: 04/09/2024

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

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



BARGE "KIRBY 10110"

3 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	3,239.27	0	2,979.40	0	2,719.52	0	2,459.24	0	2,197.97	0	1,936.70		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,233.86	1/4	2,973.98	1/4	2,714.11	1/4	2,453.80	1/4	2,192.53	1/4	1,931.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,453.35	1/2	3,228.44	1/2	2,968.57	1/2	2,708.70	1/2	2,448.36	1/2	2,187.08	1/2	1,925.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,452.44	3/4	3,223.03	3/4	2,963.15	3/4	2,703.28	3/4	2,442.91	3/4	2,181.64	3/4	1,920.37
1		1		1		1		1	3,217.61	1	2,957.74	1	2,697.87	1	2,437.47	1	2,176.20	1	1,914.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,450.62	1/4	3,212.20	1/4	2,952.33	1/4	2,692.45	1/4	2,432.03	1/4	2,170.75	1/4	1,909.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,449.72	1/2	3,206.79	1/2	2,946.91	1/2	2,687.04	1/2	2,426.58	1/2	2,165.31	1/2	1,904.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,446.99	3/4	3,201.37	3/4	2,941.50	3/4	2,681.63	3/4	2,421.14	3/4	2,159.87	3/4	1,898.59
2		2		2		2		2	3,444.27	2	3,195.96	2	2,936.08	2	2,676.21	2	2,415.70	2	2,154.42	2	1,893.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,441.55	1/4	3,190.54	1/4	2,930.67	1/4	2,670.80	1/4	2,410.26	1/4	2,148.98	1/4	1,887.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,438.82	1/2	3,185.13	1/2	2,925.26	1/2	2,665.38	1/2	2,404.81	1/2	2,143.54	1/2	1,882.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,434.41	3/4	3,179.72	3/4	2,919.84	3/4	2,659.97	3/4	2,399.37	3/4	2,138.10	3/4	1,876.82
3		3		3		3		3	3,430.00	3	3,174.30	3	2,914.43	3	2,654.56	3	2,393.93	3	2,132.65	3	1,871.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,425.59	1/4	3,168.89	1/4	2,909.01	1/4	2,649.14	1/4	2,388.48	1/4	2,127.21	1/4	1,865.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,421.19	1/2	3,163.47	1/2	2,903.60	1/2	2,643.73	1/2	2,383.04	1/2	2,121.77	1/2	1,860.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,415.91	3/4	3,158.06	3/4	2,898.19	3/4	2,638.31	3/4	2,377.60	3/4	2,116.32	3/4	1,855.05
4		4		4		4		4	3,410.64	4	3,152.65	4	2,892.77	4	2,632.90	4	2,372.15	4	2,110.88	4	1,849.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,405.36	1/4	3,147.23	1/4	2,887.36	1/4	2,627.49	1/4	2,366.71	1/4	2,105.44	1/4	1,844.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,400.09	1/2	3,141.82	1/2	2,881.94	1/2	2,622.07	1/2	2,361.27	1/2	2,099.99	1/2	1,838.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,394.78	3/4	3,136.40	3/4	2,876.53	3/4	2,616.66	3/4	2,355.82	3/4	2,094.55	3/4	1,833.28
5		5		5		5		5	3,389.47	5	3,130.99	5	2,871.12	5	2,611.24	5	2,350.38	5	2,089.11	5	1,827.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,384.17	1/4	3,125.58	1/4	2,865.70	1/4	2,605.83	1/4	2,344.94	1/4	2,083.66	1/4	1,822.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,378.86	1/2	3,120.16	1/2	2,860.29	1/2	2,600.42	1/2	2,339.49	1/2	2,078.22	1/2	1,816.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,373.54	3/4	3,114.75	3/4	2,854.87	3/4	2,595.00	3/4	2,334.05	3/4	2,072.78	3/4	1,811.50
6		6		6		6		6	3,368.22	6	3,109.33	6	2,849.46	6	2,589.59	6	2,328.61	6	2,067.33	6	1,806.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,362.90	1/4	3,103.92	1/4	2,844.05	1/4	2,584.17	1/4	2,323.16	1/4	2,061.89	1/4	1,800.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,357.58	1/2	3,098.50	1/2	2,838.63	1/2	2,578.76	1/2	2,317.72	1/2	2,056.45	1/2	1,795.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,352.26	3/4	3,093.09	3/4	2,833.22	3/4	2,573.35	3/4	2,312.28	3/4	2,051.00	3/4	1,789.73
7		7		7		7		7	3,346.95	7	3,087.68	7	2,827.80	7	2,567.93	7	2,306.83	7	2,045.56	7	1,784.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,341.64	1/4	3,082.26	1/4	2,822.39	1/4	2,562.52	1/4	2,301.39	1/4	2,040.12	1/4	1,778.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,336.32	1/2	3,076.85	1/2	2,816.98	1/2	2,557.10	1/2	2,295.95	1/2	2,034.67	1/2	1,773.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,331.01	3/4	3,071.43	3/4	2,811.56	3/4	2,551.69	3/4	2,290.50	3/4	2,029.23	3/4	1,767.96
8		8		8		8		8	3,325.69	8	3,066.02	8	2,806.15	8	2,546.28	8	2,285.06	8	2,023.79	8	1,762.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,320.38	1/4	3,060.61	1/4	2,800.73	1/4	2,540.86	1/4	2,279.62	1/4	2,018.34	1/4	1,757.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,315.07	1/2	3,055.19	1/2	2,795.32	1/2	2,535.45	1/2	2,274.18	1/2	2,012.90	1/2	1,751.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,309.65	3/4	3,049.78	3/4	2,789.91	3/4	2,530.01	3/4	2,268.73	3/4	2,007.46	3/4	1,746.18
9		9		9		9		9	3,304.24	9	3,044.36	9	2,784.49	9	2,524.56	9	2,263.29	9	2,002.02	9	1,740.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,298.82	1/4	3,038.95	1/4	2,779.08	1/4	2,519.12	1/4	2,257.85	1/4	1,996.57	1/4	1,735.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,293.41	1/2	3,033.54	1/2	2,773.66	1/2	2,513.68	1/2	2,252.40	1/2	1,991.13	1/2	1,729.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,288.00	3/4	3,028.12	3/4	2,768.25	3/4	2,508.23	3/4	2,246.96	3/4	1,985.69	3/4	1,724.41
10		10		10		10		10	3,282.58	10	3,022.71	10	2,762.84	10	2,502.79	10	2,241.52	10	1,980.24	10	1,718.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,277.17	1/4	3,017.29	1/4	2,757.42	1/4	2,497.35	1/4	2,236.07	1/4	1,974.80	1/4	1,713.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,271.75	1/2	3,011.88	1/2	2,752.01	1/2	2,491.90	1/2	2,230.63	1/2	1,969.36	1/2	1,708.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,266.34	3/4	3,006.47	3/4	2,746.59	3/4	2,486.46	3/4	2,225.19	3/4	1,963.91	3/4	1,702.64
11		11		11		11		11	3,260.93	11	3,001.05	11	2,741.18	11	2,481.02	11	2,219.74	11	1,958.47	11	1,697.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,255.51	1/4	2,995.64	1/4	2,735.77	1/4	2,475.57	1/4	2,214.30	1/4	1,953.03	1/4	1,691.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,250.10	1/2	2,990.22	1/2	2,730.35	1/2	2,470.13	1/2	2,208.86	1/2	1,947.58	1/2	1,686.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,244.68	3/4	2,984.81	3/4	2,724.94	3/4	2,464.69	3/4	2,203.41	3/4	1,942.14	3/4	1,680.87

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.

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 10110"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

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	1,675.42	0	1,414.15	0	1,152.72	0	892.08	0	631.47	0	370.06	0	108.70	0		0		0	
1/4	1,669.98	1/4	1,408.71	1/4	1,147.27	1/4	886.67	1/4	626.03	1/4	364.61	1/4	103.27	1/4		1/4		1/4	
1/2	1,664.54	1/2	1,403.26	1/2	1,141.83	1/2	881.26	1/2	620.58	1/2	359.17	1/2	97.84	1/2		1/2		1/2	
3/4	1,659.09	3/4	1,397.82	3/4	1,136.38	3/4	875.85	3/4	615.14	3/4	353.72	3/4	92.43	3/4		3/4		3/4	
1	1,653.65	1	1,392.37	1	1,130.93	1	870.44	1	609.69	1	348.27	1	87.01	1		1		1	
1/4	1,648.21	1/4	1,386.92	1/4	1,125.49	1/4	865.03	1/4	604.24	1/4	342.83	1/4	81.60	1/4		1/4		1/4	
1/2	1,642.76	1/2	1,381.48	1/2	1,120.04	1/2	859.62	1/2	598.80	1/2	337.38	1/2	76.19	1/2		1/2		1/2	
3/4	1,637.32	3/4	1,376.03	3/4	1,114.59	3/4	854.21	3/4	593.35	3/4	331.93	3/4	70.81	3/4		3/4		3/4	
2	1,631.88	2	1,370.58	2	1,109.15	2	848.80	2	587.91	2	326.49	2	65.42	2		2		2	
1/4	1,626.43	1/4	1,365.14	1/4	1,103.70	1/4	843.39	1/4	582.46	1/4	321.04	1/4	60.04	1/4		1/4		1/4	
1/2	1,620.99	1/2	1,359.69	1/2	1,098.25	1/2	837.98	1/2	577.01	1/2	315.60	1/2	54.66	1/2		1/2		1/2	
3/4	1,615.55	3/4	1,354.24	3/4	1,092.81	3/4	832.57	3/4	571.57	3/4	310.15	3/4	49.32	3/4		3/4		3/4	
3	1,610.10	3	1,348.80	3	1,087.36	3	827.16	3	566.12	3	304.70	3	43.99	3		3		3	
1/4	1,604.66	1/4	1,343.35	1/4	1,081.91	1/4	821.75	1/4	560.67	1/4	299.26	1/4	38.66	1/4		1/4		1/4	
1/2	1,599.22	1/2	1,337.90	1/2	1,076.47	1/2	816.34	1/2	555.23	1/2	293.81	1/2	33.32	1/2		1/2		1/2	
3/4	1,593.78	3/4	1,332.46	3/4	1,071.02	3/4	810.93	3/4	549.78	3/4	288.36	3/4	28.79	3/4		3/4		3/4	
4	1,588.33	4	1,327.01	4	1,065.57	4	805.53	4	544.34	4	282.92	4	24.26	4		4		4	
1/4	1,582.89	1/4	1,321.56	1/4	1,060.13	1/4	800.12	1/4	538.89	1/4	277.47	1/4	19.73	1/4		1/4		1/4	
1/2	1,577.45	1/2	1,316.12	1/2	1,054.68	1/2	794.72	1/2	533.44	1/2	272.03	1/2	15.20	1/2		1/2		1/2	
3/4	1,572.00	3/4	1,310.67	3/4	1,049.23	3/4	789.28	3/4	528.00	3/4	266.58	3/4	12.48	3/4		3/4		3/4	
5	1,566.56	5	1,305.22	5	1,043.79	5	783.84	5	522.55	5	261.13	5	9.75	5		5		5	
1/4	1,561.12	1/4	1,299.78	1/4	1,038.34	1/4	778.39	1/4	517.11	1/4	255.69	1/4	7.03	1/4		1/4		1/4	
1/2	1,555.67	1/2	1,294.33	1/2	1,032.89	1/2	772.95	1/2	511.66	1/2	250.24	1/2	4.31	1/2		1/2		1/2	
3/4	1,550.23	3/4	1,288.88	3/4	1,027.45	3/4	767.51	3/4	506.21	3/4	244.80	3/4	3.40	3/4		3/4		3/4	
6	1,544.79	6	1,283.44	6	1,022.00	6	762.07	6	500.77	6	239.35	6	2.49	6		6		6	
1/4	1,539.34	1/4	1,277.99	1/4	1,016.55	1/4	756.63	1/4	495.32	1/4	233.90	1/4	1.59	1/4		1/4		1/4	
1/2	1,533.90	1/2	1,272.54	1/2	1,011.11	1/2	751.19	1/2	489.87	1/2	228.46	1/2	0.68	1/2		1/2		1/2	
3/4	1,528.46	3/4	1,267.10	3/4	1,005.70	3/4	745.75	3/4	484.43	3/4	223.01	3/4		3/4		3/4		3/4	
7	1,523.01	7	1,261.65	7	1,000.29	7	740.30	7	478.98	7	217.56	7		7		7		7	
1/4	1,517.57	1/4	1,256.21	1/4	994.88	1/4	734.86	1/4	473.54	1/4	212.12	1/4		1/4		1/4		1/4	
1/2	1,512.13	1/2	1,250.76	1/2	989.47	1/2	729.42	1/2	468.09	1/2	206.67	1/2		1/2		1/2		1/2	
3/4	1,506.68	3/4	1,245.31	3/4	984.06	3/4	723.98	3/4	462.64	3/4	201.23	3/4		3/4		3/4		3/4	
8	1,501.24	8	1,239.87	8	978.65	8	718.54	8	457.20	8	195.78	8		8		8		8	
1/4	1,495.80	1/4	1,234.42	1/4	973.24	1/4	713.10	1/4	451.75	1/4	190.33	1/4		1/4		1/4		1/4	
1/2	1,490.35	1/2	1,228.97	1/2	967.83	1/2	707.66	1/2	446.30	1/2	184.89	1/2		1/2		1/2		1/2	
3/4	1,484.91	3/4	1,223.53	3/4	962.42	3/4	702.22	3/4	440.86	3/4	179.44	3/4		3/4		3/4		3/4	
9	1,479.47	9	1,218.08	9	957.01	9	696.77	9	435.41	9	173.99	9		9		9		9	
1/4	1,474.02	1/4	1,212.63	1/4	951.59	1/4	691.33	1/4	429.97	1/4	168.55	1/4		1/4		1/4		1/4	
1/2	1,468.58	1/2	1,207.19	1/2	946.18	1/2	685.89	1/2	424.52	1/2	163.10	1/2		1/2		1/2		1/2	
3/4	1,463.14	3/4	1,201.74	3/4	940.77	3/4	680.45	3/4	419.07	3/4	157.66	3/4		3/4		3/4		3/4	
10	1,457.70	10	1,196.29	10	935.36	10	675.01	10	413.63	10	152.21	10		10		10		10	
1/4	1,452.25	1/4	1,190.85	1/4	929.95	1/4	669.57	1/4	408.18	1/4	146.77	1/4		1/4		1/4		1/4	
1/2	1,446.81	1/2	1,185.40	1/2	924.54	1/2	664.13	1/2	402.73	1/2	141.32	1/2		1/2		1/2		1/2	
3/4	1,441.37	3/4	1,179.95	3/4	919.13	3/4	658.69	3/4	397.29	3/4	135.88	3/4		3/4		3/4		3/4	
11	1,435.92	11	1,174.51	11	913.72	11	653.25	11	391.84	11	130.44	11		11		11		11	
1/4	1,430.48	1/4	1,169.06	1/4	908.31	1/4	647.81	1/4	386.40	1/4	125.00	1/4		1/4		1/4		1/4	
1/2	1,425.04	1/2	1,163.61	1/2	902.90	1/2	642.37	1/2	380.95	1/2	119.56	1/2		1/2		1/2		1/2	
3/4	1,419.59	3/4	1,158.17	3/4	897.49	3/4	636.92	3/4	375.50	3/4	114.13	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/06/2014 CL
CALCULATED: 03/06/2014 CL
VERIFIED: 04/09/2024

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
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