



BARGE "KIRBY 10535"

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"

June 28, 2012

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

<http://www.pmacorp.net>



BARGE "KIRBY 10535"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	3,763.41	0	3,538.34	0	3,285.43	0	3,032.53	0	2,771.29	0	2,475.65	0	2,179.35
1/4		1/4		1/4		1/4	3,762.38	1/4	3,533.07	1/4	3,280.16	1/4	3,027.26	1/4	2,765.14	1/4	2,469.48	1/4	2,173.18
1/2		1/2		1/2		1/2	3,761.34	1/2	3,527.80	1/2	3,274.90	1/2	3,021.99	1/2	2,758.99	1/2	2,463.30	1/2	2,167.01
3/4		3/4		3/4		3/4	3,760.31	3/4	3,522.53	3/4	3,269.63	3/4	3,016.72	3/4	2,752.83	3/4	2,457.13	3/4	2,160.84
1		1		1		1	3,757.21	1	3,517.26	1	3,264.36	1	3,011.46	1	2,746.68	1	2,450.96	1	2,154.66
1/4		1/4		1/4		1/4	3,754.11	1/4	3,511.99	1/4	3,259.09	1/4	3,006.19	1/4	2,740.52	1/4	2,444.78	1/4	2,148.49
1/2		1/2		1/2		1/2	3,751.01	1/2	3,506.72	1/2	3,253.82	1/2	3,000.92	1/2	2,734.37	1/2	2,438.61	1/2	2,142.32
3/4		3/4		3/4		3/4	3,747.91	3/4	3,501.45	3/4	3,248.55	3/4	2,995.65	3/4	2,728.21	3/4	2,432.44	3/4	2,136.14
2		2		2		2	3,743.76	2	3,496.18	2	3,243.28	2	2,990.38	2	2,722.06	2	2,426.27	2	2,129.97
1/4		1/4		1/4		1/4	3,739.62	1/4	3,490.92	1/4	3,238.01	1/4	2,985.11	1/4	2,715.91	1/4	2,420.09	1/4	2,123.80
1/2		1/2		1/2		1/2	3,735.47	1/2	3,485.65	1/2	3,232.74	1/2	2,979.84	1/2	2,709.75	1/2	2,413.92	1/2	2,117.63
3/4		3/4		3/4		3/4	3,731.32	3/4	3,480.38	3/4	3,227.48	3/4	2,974.57	3/4	2,703.60	3/4	2,407.75	3/4	2,111.45
3		3		3		3	3,726.18	3	3,475.11	3	3,222.21	3	2,969.30	3	2,697.44	3	2,401.57	3	2,105.28
1/4		1/4		1/4		1/4	3,721.05	1/4	3,469.84	1/4	3,216.94	1/4	2,964.04	1/4	2,691.29	1/4	2,395.40	1/4	2,099.11
1/2		1/2		1/2		1/2	3,715.91	1/2	3,464.57	1/2	3,211.67	1/2	2,958.77	1/2	2,685.13	1/2	2,389.23	1/2	2,092.93
3/4		3/4		3/4		3/4	3,710.78	3/4	3,459.30	3/4	3,206.40	3/4	2,953.50	3/4	2,678.98	3/4	2,383.06	3/4	2,086.76
4		4		4		4	3,705.61	4	3,454.03	4	3,201.13	4	2,948.23	4	2,672.83	4	2,376.88	4	2,080.59
1/4		1/4		1/4		1/4	3,700.44	1/4	3,448.77	1/4	3,195.86	1/4	2,942.96	1/4	2,666.67	1/4	2,370.71	1/4	2,074.42
1/2		1/2		1/2		1/2	3,695.27	1/2	3,443.50	1/2	3,190.59	1/2	2,937.69	1/2	2,660.52	1/2	2,364.54	1/2	2,068.24
3/4		3/4		3/4		3/4	3,690.10	3/4	3,438.23	3/4	3,185.33	3/4	2,932.42	3/4	2,654.36	3/4	2,358.36	3/4	2,062.07
5		5		5		5	3,684.91	5	3,432.96	5	3,180.06	5	2,927.15	5	2,648.21	5	2,352.19	5	2,055.90
1/4		1/4		1/4		1/4	3,679.73	1/4	3,427.69	1/4	3,174.79	1/4	2,921.89	1/4	2,642.05	1/4	2,346.02	1/4	2,049.72
1/2		1/2		1/2		1/2	3,674.55	1/2	3,422.42	1/2	3,169.52	1/2	2,916.62	1/2	2,635.90	1/2	2,339.85	1/2	2,043.55
3/4		3/4		3/4		3/4	3,669.36	3/4	3,417.15	3/4	3,164.25	3/4	2,911.35	3/4	2,629.75	3/4	2,333.67	3/4	2,037.38
6		6		6		6	3,664.18	6	3,411.88	6	3,158.98	6	2,906.08	6	2,623.59	6	2,327.50	6	2,031.21
1/4		1/4		1/4		1/4	3,659.00	1/4	3,406.62	1/4	3,153.71	1/4	2,900.81	1/4	2,617.44	1/4	2,321.33	1/4	2,025.03
1/2		1/2		1/2		1/2	3,653.81	1/2	3,401.35	1/2	3,148.44	1/2	2,895.54	1/2	2,611.28	1/2	2,315.16	1/2	2,018.86
3/4		3/4		3/4		3/4	3,648.63	3/4	3,396.08	3/4	3,143.18	3/4	2,890.27	3/4	2,605.13	3/4	2,308.98	3/4	2,012.69
7		7		7		7	3,643.45	7	3,390.81	7	3,137.91	7	2,885.00	7	2,598.97	7	2,302.81	7	2,006.52
1/4		1/4		1/4		1/4	3,638.27	1/4	3,385.54	1/4	3,132.64	1/4	2,879.74	1/4	2,592.82	1/4	2,296.64	1/4	2,000.34
1/2		1/2		1/2		1/2	3,633.09	1/2	3,380.27	1/2	3,127.37	1/2	2,874.47	1/2	2,586.67	1/2	2,290.46	1/2	1,994.17
3/4		3/4		3/4		3/4	3,627.90	3/4	3,375.00	3/4	3,122.10	3/4	2,869.20	3/4	2,580.51	3/4	2,284.29	3/4	1,988.00
8		8		8		8	3,622.64	8	3,369.73	8	3,116.83	8	2,863.90	8	2,574.36	8	2,278.12	8	1,981.82
1/4		1/4		1/4		1/4	3,617.37	1/4	3,364.46	1/4	3,111.56	1/4	2,858.61	1/4	2,568.20	1/4	2,271.95	1/4	1,975.65
1/2		1/2		1/2		1/2	3,612.10	1/2	3,359.20	1/2	3,106.29	1/2	2,853.32	1/2	2,562.05	1/2	2,265.77	1/2	1,969.48
3/4		3/4		3/4		3/4	3,606.83	3/4	3,353.93	3/4	3,101.02	3/4	2,848.02	3/4	2,555.89	3/4	2,259.60	3/4	1,963.31
9		9		9		9	3,601.56	9	3,348.66	9	3,095.76	9	2,842.73	9	2,549.72	9	2,253.43	9	1,957.13
1/4		1/4		1/4		1/4	3,596.29	1/4	3,343.39	1/4	3,090.49	1/4	2,837.44	1/4	2,543.55	1/4	2,247.25	1/4	1,950.96
1/2		1/2		1/2		1/2	3,591.02	1/2	3,338.12	1/2	3,085.22	1/2	2,832.14	1/2	2,537.38	1/2	2,241.08	1/2	1,944.79
3/4		3/4		3/4		3/4	3,585.75	3/4	3,332.85	3/4	3,079.95	3/4	2,826.85	3/4	2,531.20	3/4	2,234.91	3/4	1,938.61
10		10		10		10	3,580.49	10	3,327.58	10	3,074.68	10	2,820.65	10	2,525.03	10	2,228.74	10	1,932.44
1/4		1/4		1/4		1/4	3,575.22	1/4	3,322.31	1/4	3,069.41	1/4	2,814.46	1/4	2,518.86	1/4	2,222.56	1/4	1,926.27
1/2		1/2		1/2		1/2	3,569.95	1/2	3,317.05	1/2	3,064.14	1/2	2,808.26	1/2	2,512.68	1/2	2,216.39	1/2	1,920.10
3/4		3/4		3/4		3/4	3,564.68	3/4	3,311.78	3/4	3,058.87	3/4	2,802.07	3/4	2,506.51	3/4	2,210.22	3/4	1,913.92
11		11		11		11	3,559.41	11	3,306.51	11	3,053.61	11	2,795.91	11	2,500.34	11	2,204.04	11	1,907.75
1/4		1/4		1/4		1/4	3,554.14	1/4	3,301.24	1/4	3,048.34	1/4	2,789.76	1/4	2,494.17	1/4	2,197.87	1/4	1,901.58
1/2		1/2		1/2		1/2	3,548.87	1/2	3,295.97	1/2	3,043.07	1/2	2,783.60	1/2	2,487.99	1/2	2,191.70	1/2	1,895.40
3/4		3/4		3/4		3/4	3,764.44	3/4	3,543.60	3/4	3,290.70	3/4	3,037.80	3/4	2,777.45	3/4	2,481.82	3/4	1,889.23

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 ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "KIRBY 10535"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,883.06	0	1,586.52	0	1,289.81	0	993.11	0	702.44	0	405.59	0	108.71	0					
1/4	1,876.89	1/4	1,580.34	1/4	1,283.63	1/4	986.92	1/4	696.27	1/4	399.40	1/4	102.55	1/4					1/4
1/2	1,870.71	1/2	1,574.16	1/2	1,277.45	1/2	980.74	1/2	690.11	1/2	393.22	1/2	96.39	1/2	1/2				1/2
3/4	1,864.54	3/4	1,567.98	3/4	1,271.27	3/4	974.56	3/4	683.94	3/4	387.03	3/4	90.24	3/4	3/4				3/4
1	1,858.37	1	1,561.79	1	1,265.09	1	968.44	1	677.75	1	380.84	1	84.11	1	1				1
1/4	1,852.20	1/4	1,555.61	1/4	1,258.91	1/4	962.32	1/4	671.57	1/4	374.66	1/4	77.98	1/4	1/4				1/4
1/2	1,846.02	1/2	1,549.43	1/2	1,252.72	1/2	956.21	1/2	665.38	1/2	368.47	1/2	71.86	1/2	1/2				1/2
3/4	1,839.85	3/4	1,543.25	3/4	1,246.54	3/4	950.09	3/4	659.20	3/4	362.29	3/4	65.73	3/4	3/4				3/4
2	1,833.68	2	1,537.07	2	1,240.36	2	944.03	2	653.01	2	356.10	2	59.66	2	2				2
1/4	1,827.50	1/4	1,530.89	1/4	1,234.18	1/4	937.98	1/4	646.83	1/4	349.92	1/4	53.59	1/4	1/4				1/4
1/2	1,821.33	1/2	1,524.71	1/2	1,228.00	1/2	931.92	1/2	640.64	1/2	343.73	1/2	47.52	1/2	1/2				1/2
3/4	1,815.16	3/4	1,518.52	3/4	1,221.82	3/4	925.86	3/4	634.46	3/4	337.54	3/4	41.46	3/4	3/4				3/4
3	1,808.98	3	1,512.34	3	1,215.64	3	919.81	3	628.27	3	331.36	3	36.30	3	3				3
1/4	1,802.80	1/4	1,506.16	1/4	1,209.45	1/4	913.76	1/4	622.09	1/4	325.17	1/4	31.14	1/4	1/4				1/4
1/2	1,796.61	1/2	1,499.98	1/2	1,203.27	1/2	907.70	1/2	615.90	1/2	318.99	1/2	25.99	1/2	1/2				1/2
3/4	1,790.43	3/4	1,493.80	3/4	1,197.09	3/4	901.65	3/4	609.72	3/4	312.80	3/4	20.83	3/4	3/4				3/4
4	1,784.25	4	1,487.62	4	1,190.91	4	895.61	4	603.53	4	306.62	4	17.74	4	4				4
1/4	1,778.07	1/4	1,481.44	1/4	1,184.73	1/4	889.57	1/4	597.34	1/4	300.43	1/4	14.64	1/4	1/4				1/4
1/2	1,771.89	1/2	1,475.25	1/2	1,178.55	1/2	883.53	1/2	591.16	1/2	294.24	1/2	11.54	1/2	1/2				1/2
3/4	1,765.71	3/4	1,469.07	3/4	1,172.37	3/4	877.49	3/4	584.97	3/4	288.06	3/4	8.44	3/4	3/4				3/4
5	1,759.53	5	1,462.89	5	1,166.18	5	871.47	5	578.79	5	281.87	5	7.41	5	5				5
1/4	1,753.35	1/4	1,456.71	1/4	1,160.00	1/4	865.45	1/4	572.60	1/4	275.69	1/4	6.38	1/4	1/4				1/4
1/2	1,747.17	1/2	1,450.53	1/2	1,153.82	1/2	859.42	1/2	566.42	1/2	269.50	1/2	5.34	1/2	1/2				1/2
3/4	1,740.98	3/4	1,444.35	3/4	1,147.64	3/4	853.40	3/4	560.23	3/4	263.32	3/4	4.31	3/4	3/4				3/4
6	1,734.80	6	1,438.17	6	1,141.46	6	847.38	6	554.04	6	257.13	6		6	6				6
1/4	1,728.62	1/4	1,431.98	1/4	1,135.28	1/4	841.36	1/4	547.86	1/4	250.94	1/4		1/4	1/4				1/4
1/2	1,722.44	1/2	1,425.80	1/2	1,129.10	1/2	835.33	1/2	541.67	1/2	244.76	1/2		1/2	1/2				1/2
3/4	1,716.27	3/4	1,419.62	3/4	1,122.91	3/4	829.31	3/4	535.49	3/4	238.57	3/4		3/4	3/4				3/4
7	1,710.09	7	1,413.44	7	1,116.73	7	823.29	7	529.30	7	232.39	7		7	7				7
1/4	1,703.91	1/4	1,407.26	1/4	1,110.55	1/4	817.27	1/4	523.12	1/4	226.20	1/4		1/4	1/4				1/4
1/2	1,697.73	1/2	1,401.08	1/2	1,104.37	1/2	811.24	1/2	516.93	1/2	220.02	1/2		1/2	1/2				1/2
3/4	1,691.55	3/4	1,394.90	3/4	1,098.19	3/4	805.22	3/4	510.74	3/4	213.83	3/4		3/4	3/4				3/4
8	1,685.37	8	1,388.72	8	1,092.01	8	799.20	8	504.56	8	207.64	8		8	8				8
1/4	1,679.20	1/4	1,382.53	1/4	1,085.83	1/4	793.18	1/4	498.37	1/4	201.46	1/4		1/4	1/4				1/4
1/2	1,673.02	1/2	1,376.35	1/2	1,079.65	1/2	787.15	1/2	492.19	1/2	195.27	1/2		1/2	1/2				1/2
3/4	1,666.84	3/4	1,370.17	3/4	1,073.46	3/4	781.13	3/4	486.00	3/4	189.09	3/4		3/4	3/4				3/4
9	1,660.66	9	1,363.99	9	1,067.28	9	775.11	9	479.82	9	182.90	9		9	9				9
1/4	1,654.48	1/4	1,357.81	1/4	1,061.10	1/4	769.09	1/4	473.63	1/4	176.72	1/4		1/4	1/4				1/4
1/2	1,648.31	1/2	1,351.63	1/2	1,054.92	1/2	763.06	1/2	467.44	1/2	170.53	1/2		1/2	1/2				1/2
3/4	1,642.13	3/4	1,345.45	3/4	1,048.74	3/4	757.04	3/4	461.26	3/4	164.35	3/4		3/4	3/4				3/4
10	1,635.95	10	1,339.26	10	1,042.56	10	751.02	10	455.07	10	158.16	10		10	10				10
1/4	1,629.77	1/4	1,333.08	1/4	1,036.38	1/4	745.00	1/4	448.89	1/4	151.97	1/4		1/4	1/4				1/4
1/2	1,623.59	1/2	1,326.90	1/2	1,030.19	1/2	738.98	1/2	442.70	1/2	145.77	1/2		1/2	1/2				1/2
3/4	1,617.41	3/4	1,320.72	3/4	1,024.01	3/4	732.95	3/4	436.52	3/4	139.58	3/4		3/4	3/4				3/4
11	1,611.24	11	1,314.54	11	1,017.83	11	726.87	11	430.33	11	133.40	11		11	11				11
1/4	1,605.06	1/4	1,308.36	1/4	1,011.65	1/4	720.78	1/4	424.14	1/4	127.23	1/4		1/4	1/4				1/4
1/2	1,598.88	1/2	1,302.18	1/2	1,005.47	1/2	714.69	1/2	417.96	1/2	121.05	1/2		1/2	1/2				1/2
3/4	1,592.70	3/4	1,295.99	3/4	999.29	3/4	708.61	3/4	411.77	3/4	114.87	3/4		3/4	3/4				3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2012 CL - SW
CALCULATED: 06/28/2012 CL
PRINTED: 06/28/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 10535"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	3,471.12	0	3,244.77	0	2,983.23	0	2,721.68	0	2,459.68	0	2,196.74	0	1,933.80	
1/4	1/4	1/4	1/4	1/4	1/4	3,470.21	1/4	3,239.32	1/4	2,977.78	1/4	2,716.23	1/4	2,454.20	1/4	2,191.26	1/4	1,928.32	
1/2	1/2	1/2	1/2	1/2	1/2	3,469.30	1/2	3,233.87	1/2	2,972.33	1/2	2,710.79	1/2	2,448.72	1/2	2,185.78	1/2	1,922.84	
3/4	3/4	3/4	3/4	3/4	3/4	3,468.38	3/4	3,228.42	3/4	2,966.88	3/4	2,705.34	3/4	2,443.24	3/4	2,180.30	3/4	1,917.36	
1	1	1	1	1	1	3,467.47	1	3,222.97	1	2,961.43	1	2,699.89	1	2,437.76	1	2,174.82	1	1,911.89	
1/4	1/4	1/4	1/4	1/4	1/4	3,464.73	1/4	3,217.52	1/4	2,955.98	1/4	2,694.44	1/4	2,432.29	1/4	2,169.35	1/4	1,906.41	
1/2	1/2	1/2	1/2	1/2	1/2	3,461.99	1/2	3,212.08	1/2	2,950.53	1/2	2,688.99	1/2	2,426.81	1/2	2,163.87	1/2	1,900.93	
3/4	3/4	3/4	3/4	3/4	3/4	3,459.25	3/4	3,206.63	3/4	2,945.08	3/4	2,683.54	3/4	2,421.33	3/4	2,158.39	3/4	1,895.45	
2	2	2	2	2	2	3,456.51	2	3,201.18	2	2,939.64	2	2,678.09	2	2,415.85	2	2,152.91	2	1,889.97	
1/4	1/4	1/4	1/4	1/4	1/4	3,452.07	1/4	3,195.73	1/4	2,934.19	1/4	2,672.64	1/4	2,410.37	1/4	2,147.44	1/4	1,884.50	
1/2	1/2	1/2	1/2	1/2	1/2	3,447.63	1/2	3,190.28	1/2	2,928.74	1/2	2,667.20	1/2	2,404.90	1/2	2,141.96	1/2	1,879.02	
3/4	3/4	3/4	3/4	3/4	3/4	3,443.19	3/4	3,184.83	3/4	2,923.29	3/4	2,661.75	3/4	2,399.42	3/4	2,136.48	3/4	1,873.54	
3	3	3	3	3	3	3,438.75	3	3,179.38	3	2,917.84	3	2,656.30	3	2,393.94	3	2,131.00	3	1,868.06	
1/4	1/4	1/4	1/4	1/4	1/4	3,433.44	1/4	3,173.93	1/4	2,912.39	1/4	2,650.85	1/4	2,388.46	1/4	2,125.52	1/4	1,862.58	
1/2	1/2	1/2	1/2	1/2	1/2	3,428.13	1/2	3,168.49	1/2	2,906.94	1/2	2,645.40	1/2	2,382.99	1/2	2,120.05	1/2	1,857.11	
3/4	3/4	3/4	3/4	3/4	3/4	3,422.82	3/4	3,163.04	3/4	2,901.49	3/4	2,639.95	3/4	2,377.51	3/4	2,114.57	3/4	1,851.63	
4	4	4	4	4	4	3,417.51	4	3,157.59	4	2,896.05	4	2,634.50	4	2,372.03	4	2,109.09	4	1,846.15	
1/4	1/4	1/4	1/4	1/4	1/4	3,412.17	1/4	3,152.14	1/4	2,890.60	1/4	2,629.05	1/4	2,366.55	1/4	2,103.61	1/4	1,840.67	
1/2	1/2	1/2	1/2	1/2	1/2	3,406.83	1/2	3,146.69	1/2	2,885.15	1/2	2,623.61	1/2	2,361.07	1/2	2,098.13	1/2	1,835.20	
3/4	3/4	3/4	3/4	3/4	3/4	3,401.49	3/4	3,141.24	3/4	2,879.70	3/4	2,618.16	3/4	2,355.60	3/4	2,092.66	3/4	1,829.72	
5	5	5	5	5	5	3,396.15	5	3,135.79	5	2,874.25	5	2,612.71	5	2,350.12	5	2,087.18	5	1,824.24	
1/4	1/4	1/4	1/4	1/4	1/4	3,390.80	1/4	3,130.34	1/4	2,868.80	1/4	2,607.26	1/4	2,344.64	1/4	2,081.70	1/4	1,818.76	
1/2	1/2	1/2	1/2	1/2	1/2	3,385.45	1/2	3,124.90	1/2	2,863.35	1/2	2,601.81	1/2	2,339.16	1/2	2,076.22	1/2	1,813.28	
3/4	3/4	3/4	3/4	3/4	3/4	3,380.09	3/4	3,119.45	3/4	2,857.90	3/4	2,596.36	3/4	2,333.68	3/4	2,070.74	3/4	1,807.81	
6	6	6	6	6	6	3,374.74	6	3,114.00	6	2,852.45	6	2,590.91	6	2,328.21	6	2,065.27	6	1,802.33	
1/4	1/4	1/4	1/4	1/4	1/4	3,369.39	1/4	3,108.55	1/4	2,847.01	1/4	2,585.46	1/4	2,322.73	1/4	2,059.79	1/4	1,796.85	
1/2	1/2	1/2	1/2	1/2	1/2	3,364.04	1/2	3,103.10	1/2	2,841.56	1/2	2,580.01	1/2	2,317.25	1/2	2,054.31	1/2	1,791.37	
3/4	3/4	3/4	3/4	3/4	3/4	3,358.69	3/4	3,097.65	3/4	2,836.11	3/4	2,574.57	3/4	2,311.77	3/4	2,048.83	3/4	1,785.89	
7	7	7	7	7	7	3,353.35	7	3,092.20	7	2,830.66	7	2,569.12	7	2,306.29	7	2,043.36	7	1,780.42	
1/4	1/4	1/4	1/4	1/4	1/4	3,348.00	1/4	3,086.75	1/4	2,825.21	1/4	2,563.67	1/4	2,300.82	1/4	2,037.88	1/4	1,774.94	
1/2	1/2	1/2	1/2	1/2	1/2	3,342.65	1/2	3,081.30	1/2	2,819.76	1/2	2,558.22	1/2	2,295.34	1/2	2,032.40	1/2	1,769.46	
3/4	3/4	3/4	3/4	3/4	3/4	3,337.30	3/4	3,075.86	3/4	2,814.31	3/4	2,552.77	3/4	2,289.86	3/4	2,026.92	3/4	1,763.98	
8	8	8	8	8	8	3,331.95	8	3,070.41	8	2,808.86	8	2,547.32	8	2,284.38	8	2,021.44	8	1,758.50	
1/4	1/4	1/4	1/4	1/4	1/4	3,326.50	1/4	3,064.96	1/4	2,803.42	1/4	2,541.84	1/4	2,278.91	1/4	2,015.97	1/4	1,753.03	
1/2	1/2	1/2	1/2	1/2	1/2	3,321.05	1/2	3,059.51	1/2	2,797.97	1/2	2,536.37	1/2	2,273.43	1/2	2,010.49	1/2	1,747.55	
3/4	3/4	3/4	3/4	3/4	3/4	3,315.60	3/4	3,054.06	3/4	2,792.52	3/4	2,530.89	3/4	2,267.95	3/4	2,005.01	3/4	1,742.07	
9	9	9	9	9	9	3,310.15	9	3,048.61	9	2,787.07	9	2,525.41	9	2,262.47	9	1,999.53	9	1,736.59	
1/4	1/4	1/4	1/4	1/4	1/4	3,304.71	1/4	3,043.16	1/4	2,781.62	1/4	2,519.93	1/4	2,256.99	1/4	1,994.05	1/4	1,731.12	
1/2	1/2	1/2	1/2	1/2	1/2	3,299.26	1/2	3,037.71	1/2	2,776.17	1/2	2,514.45	1/2	2,251.52	1/2	1,988.58	1/2	1,725.64	
3/4	3/4	3/4	3/4	3/4	3/4	3,293.81	3/4	3,032.27	3/4	2,770.72	3/4	2,508.98	3/4	2,246.04	3/4	1,983.10	3/4	1,720.16	
10	10	10	10	10	10	3,288.36	10	3,026.82	10	2,765.27	10	2,503.50	10	2,240.56	10	1,977.62	10	1,714.68	
1/4	1/4	1/4	1/4	1/4	1/4	3,282.91	1/4	3,021.37	1/4	2,759.83	1/4	2,498.02	1/4	2,235.08	1/4	1,972.14	1/4	1,709.20	
1/2	1/2	1/2	1/2	1/2	1/2	3,277.46	1/2	3,015.92	1/2	2,754.38	1/2	2,492.54	1/2	2,229.60	1/2	1,966.66	1/2	1,703.73	
3/4	3/4	3/4	3/4	3/4	3/4	3,272.01	3/4	3,010.47	3/4	2,748.93	3/4	2,487.07	3/4	2,224.13	3/4	1,961.19	3/4	1,698.25	
11	11	11	11	11	11	3,266.56	11	3,005.02	11	2,743.48	11	2,481.59	11	2,218.65	11	1,955.71	11	1,692.77	
1/4	1/4	1/4	1/4	1/4	1/4	3,261.12	1/4	2,999.57	1/4	2,738.03	1/4	2,476.11	1/4	2,213.17	1/4	1,950.23	1/4	1,687.29	
1/2	1/2	1/2	1/2	1/2	1/2	3,255.67	1/2	2,994.12	1/2	2,732.58	1/2	2,470.63	1/2	2,207.69	1/2	1,944.75	1/2	1,681.81	
3/4	3/4	3/4	3/4	3/4	3/4	3,250.22	3/4	2,988.67	3/4	2,727.13	3/4	2,465.15	3/4	2,202.21	3/4	1,939.28	3/4	1,676.34	

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'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 10535"

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	1,670.86	0	1,407.92	0	1,144.81	0	883.57	0	624.54	0	361.45	0	98.46	0		0		0	
1/4	1,665.38	1/4	1,402.44	1/4	1,139.33	1/4	878.17	1/4	619.06	1/4	355.97	1/4	93.01	1/4		1/4		1/4	
1/2	1,659.90	1/2	1,396.96	1/2	1,133.85	1/2	872.77	1/2	613.58	1/2	350.49	1/2	87.56	1/2		1/2		1/2	
3/4	1,654.42	3/4	1,391.47	3/4	1,128.37	3/4	867.38	3/4	608.10	3/4	345.01	3/4	82.12	3/4		3/4		3/4	
1	1,648.95	1	1,385.99	1	1,122.89	1	861.98	1	602.62	1	339.53	1	76.67	1		1		1	
1/4	1,643.47	1/4	1,380.51	1/4	1,117.40	1/4	856.58	1/4	597.14	1/4	334.05	1/4	71.25	1/4		1/4		1/4	
1/2	1,637.99	1/2	1,375.03	1/2	1,111.92	1/2	851.19	1/2	591.66	1/2	328.57	1/2	65.84	1/2		1/2		1/2	
3/4	1,632.51	3/4	1,369.55	3/4	1,106.44	3/4	845.79	3/4	586.17	3/4	323.09	3/4	60.42	3/4		3/4		3/4	
2	1,627.03	2	1,364.07	2	1,100.96	2	840.39	2	580.69	2	317.61	2	55.00	2		2		2	
1/4	1,621.56	1/4	1,358.59	1/4	1,095.48	1/4	835.00	1/4	575.21	1/4	312.12	1/4	49.63	1/4		1/4		1/4	
1/2	1,616.08	1/2	1,353.10	1/2	1,090.00	1/2	829.60	1/2	569.73	1/2	306.64	1/2	44.27	1/2		1/2		1/2	
3/4	1,610.60	3/4	1,347.62	3/4	1,084.52	3/4	824.20	3/4	564.25	3/4	301.16	3/4	38.90	3/4		3/4		3/4	
3	1,605.12	3	1,342.14	3	1,079.03	3	818.81	3	558.77	3	295.68	3	33.53	3		3		3	
1/4	1,599.65	1/4	1,336.66	1/4	1,073.55	1/4	813.42	1/4	553.29	1/4	290.20	1/4	28.97	1/4		1/4		1/4	
1/2	1,594.17	1/2	1,331.18	1/2	1,068.07	1/2	808.02	1/2	547.81	1/2	284.72	1/2	24.41	1/2		1/2		1/2	
3/4	1,588.69	3/4	1,325.70	3/4	1,062.59	3/4	802.63	3/4	542.33	3/4	279.24	3/4	19.85	3/4		3/4		3/4	
4	1,583.21	4	1,320.22	4	1,057.11	4	797.24	4	536.85	4	273.76	4	15.29	4		4		4	
1/4	1,577.73	1/4	1,314.74	1/4	1,051.63	1/4	791.85	1/4	531.36	1/4	268.28	1/4	12.55	1/4		1/4		1/4	
1/2	1,572.26	1/2	1,309.25	1/2	1,046.15	1/2	786.46	1/2	525.88	1/2	262.80	1/2	9.81	1/2		1/2		1/2	
3/4	1,566.78	3/4	1,303.77	3/4	1,040.67	3/4	781.07	3/4	520.40	3/4	257.31	3/4	7.07	3/4		3/4		3/4	
5	1,561.30	5	1,298.29	5	1,035.18	5	775.68	5	514.92	5	251.83	5	4.33	5		5		5	
1/4	1,555.82	1/4	1,292.81	1/4	1,029.70	1/4	770.29	1/4	509.44	1/4	246.35	1/4	3.42	1/4		1/4		1/4	
1/2	1,550.34	1/2	1,287.33	1/2	1,024.22	1/2	764.89	1/2	503.96	1/2	240.87	1/2	2.50	1/2		1/2		1/2	
3/4	1,544.87	3/4	1,281.85	3/4	1,018.74	3/4	759.50	3/4	498.48	3/4	235.39	3/4	1.59	3/4		3/4		3/4	
6	1,539.39	6	1,276.37	6	1,013.26	6	754.11	6	493.00	6	229.91	6	0.68	6		6		6	
1/4	1,533.91	1/4	1,270.88	1/4	1,007.82	1/4	748.72	1/4	487.52	1/4	224.43	1/4		1/4		1/4		1/4	
1/2	1,528.43	1/2	1,265.40	1/2	1,002.38	1/2	743.33	1/2	482.04	1/2	218.95	1/2		1/2		1/2		1/2	
3/4	1,522.95	3/4	1,259.92	3/4	996.94	3/4	737.94	3/4	476.55	3/4	213.47	3/4		3/4		3/4		3/4	
7	1,517.48	7	1,254.44	7	991.50	7	732.55	7	471.07	7	207.99	7		7		7		7	
1/4	1,512.00	1/4	1,248.96	1/4	986.11	1/4	727.16	1/4	465.59	1/4	202.50	1/4		1/4		1/4		1/4	
1/2	1,506.52	1/2	1,243.48	1/2	980.71	1/2	721.76	1/2	460.11	1/2	197.02	1/2		1/2		1/2		1/2	
3/4	1,501.04	3/4	1,238.00	3/4	975.31	3/4	716.37	3/4	454.63	3/4	191.54	3/4		3/4		3/4		3/4	
8	1,495.57	8	1,232.51	8	969.91	8	710.98	8	449.15	8	186.06	8		8		8		8	
1/4	1,490.09	1/4	1,227.03	1/4	964.52	1/4	705.59	1/4	443.67	1/4	180.58	1/4		1/4		1/4		1/4	
1/2	1,484.61	1/2	1,221.55	1/2	959.12	1/2	700.20	1/2	438.19	1/2	175.10	1/2		1/2		1/2		1/2	
3/4	1,479.13	3/4	1,216.07	3/4	953.72	3/4	694.81	3/4	432.71	3/4	169.62	3/4		3/4		3/4		3/4	
9	1,473.65	9	1,210.59	9	948.33	9	689.42	9	427.23	9	164.14	9		9		9		9	
1/4	1,468.18	1/4	1,205.11	1/4	942.93	1/4	684.02	1/4	421.74	1/4	158.66	1/4		1/4		1/4		1/4	
1/2	1,462.70	1/2	1,199.63	1/2	937.53	1/2	678.63	1/2	416.26	1/2	153.18	1/2		1/2		1/2		1/2	
3/4	1,457.22	3/4	1,194.14	3/4	932.14	3/4	673.24	3/4	410.78	3/4	147.70	3/4		3/4		3/4		3/4	
10	1,451.74	10	1,188.66	10	926.74	10	667.85	10	405.30	10	142.22	10		10		10		10	
1/4	1,446.26	1/4	1,183.18	1/4	921.34	1/4	662.46	1/4	399.82	1/4	136.74	1/4		1/4		1/4		1/4	
1/2	1,440.79	1/2	1,177.70	1/2	915.95	1/2	657.07	1/2	394.34	1/2	131.27	1/2		1/2		1/2		1/2	
3/4	1,435.31	3/4	1,172.22	3/4	910.55	3/4	651.68	3/4	388.86	3/4	125.79	3/4		3/4		3/4		3/4	
11	1,429.83	11	1,166.74	11	905.15	11	646.29	11	383.38	11	120.31	11		11		11		11	
1/4	1,424.35	1/4	1,161.26	1/4	899.76	1/4	640.85	1/4	377.90	1/4	114.85	1/4		1/4		1/4		1/4	
1/2	1,418.87	1/2	1,155.77	1/2	894.36	1/2	635.41	1/2	372.42	1/2	109.39	1/2		1/2		1/2		1/2	
3/4	1,413.40	3/4	1,150.29	3/4	888.96	3/4	629.98	3/4	366.93	3/4	103.92	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2012 CL - SW
CALCULATED: 06/28/2012 CL
PRINTED: 06/28/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 10535"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	3,456.69	0	3,226.99	0	2,966.80	0	2,706.61	0	2,445.92	0	2,184.33	0	1,922.73
1/4		1/4		1/4		1/4	3,455.78	1/4	3,221.57	1/4	2,961.38	1/4	2,701.19	1/4	2,440.47	1/4	2,178.88	1/4	1,917.28
1/2		1/2		1/2		1/2	3,454.87	1/2	3,216.15	1/2	2,955.96	1/2	2,695.77	1/2	2,435.02	1/2	2,173.43	1/2	1,911.83
3/4		3/4		3/4		3/4	3,453.96	3/4	3,210.72	3/4	2,950.54	3/4	2,690.35	3/4	2,429.57	3/4	2,167.98	3/4	1,906.38
1		1		1		1	3,451.23	1	3,205.30	1	2,945.12	1	2,684.93	1	2,424.12	1	2,162.53	1	1,900.93
1/4		1/4		1/4		1/4	3,448.51	1/4	3,199.88	1/4	2,939.69	1/4	2,679.51	1/4	2,418.67	1/4	2,157.08	1/4	1,895.48
1/2		1/2		1/2		1/2	3,445.78	1/2	3,194.46	1/2	2,934.27	1/2	2,674.09	1/2	2,413.22	1/2	2,151.63	1/2	1,890.03
3/4		3/4		3/4		3/4	3,443.05	3/4	3,189.04	3/4	2,928.85	3/4	2,668.66	3/4	2,407.77	3/4	2,146.18	3/4	1,884.58
2		2		2		2	3,438.64	2	3,183.62	2	2,923.43	2	2,663.24	2	2,402.32	2	2,140.73	2	1,879.13
1/4		1/4		1/4		1/4	3,434.22	1/4	3,178.20	1/4	2,918.01	1/4	2,657.82	1/4	2,396.87	1/4	2,135.28	1/4	1,873.68
1/2		1/2		1/2		1/2	3,429.81	1/2	3,172.78	1/2	2,912.59	1/2	2,652.40	1/2	2,391.42	1/2	2,129.83	1/2	1,868.23
3/4		3/4		3/4		3/4	3,425.39	3/4	3,167.36	3/4	2,907.17	3/4	2,646.98	3/4	2,385.97	3/4	2,124.38	3/4	1,862.78
3		3		3		3	3,420.11	3	3,161.94	3	2,901.75	3	2,641.56	3	2,380.52	3	2,118.93	3	1,857.33
1/4		1/4		1/4		1/4	3,414.83	1/4	3,156.52	1/4	2,896.33	1/4	2,636.14	1/4	2,375.07	1/4	2,113.48	1/4	1,851.88
1/2		1/2		1/2		1/2	3,409.55	1/2	3,151.10	1/2	2,890.91	1/2	2,630.72	1/2	2,369.62	1/2	2,108.03	1/2	1,846.43
3/4		3/4		3/4		3/4	3,404.27	3/4	3,145.68	3/4	2,885.49	3/4	2,625.30	3/4	2,364.17	3/4	2,102.58	3/4	1,840.98
4		4		4		4	3,398.95	4	3,140.26	4	2,880.07	4	2,619.88	4	2,358.72	4	2,097.13	4	1,835.53
1/4		1/4		1/4		1/4	3,393.64	1/4	3,134.84	1/4	2,874.65	1/4	2,614.46	1/4	2,353.27	1/4	2,091.68	1/4	1,830.08
1/2		1/2		1/2		1/2	3,388.33	1/2	3,129.42	1/2	2,869.23	1/2	2,609.04	1/2	2,347.82	1/2	2,086.23	1/2	1,824.63
3/4		3/4		3/4		3/4	3,383.02	3/4	3,124.00	3/4	2,863.81	3/4	2,603.62	3/4	2,342.37	3/4	2,080.78	3/4	1,819.18
5		5		5		5	3,377.69	5	3,118.57	5	2,858.39	5	2,598.20	5	2,336.92	5	2,075.33	5	1,813.73
1/4		1/4		1/4		1/4	3,372.36	1/4	3,113.15	1/4	2,852.97	1/4	2,592.78	1/4	2,331.47	1/4	2,069.88	1/4	1,808.28
1/2		1/2		1/2		1/2	3,367.03	1/2	3,107.73	1/2	2,847.54	1/2	2,587.36	1/2	2,326.02	1/2	2,064.43	1/2	1,802.83
3/4		3/4		3/4		3/4	3,361.71	3/4	3,102.31	3/4	2,842.12	3/4	2,581.94	3/4	2,320.57	3/4	2,058.98	3/4	1,797.38
6		6		6		6	3,356.39	6	3,096.89	6	2,836.70	6	2,576.51	6	2,315.12	6	2,053.53	6	1,791.93
1/4		1/4		1/4		1/4	3,351.06	1/4	3,091.47	1/4	2,831.28	1/4	2,571.09	1/4	2,309.67	1/4	2,048.08	1/4	1,786.48
1/2		1/2		1/2		1/2	3,345.74	1/2	3,086.05	1/2	2,825.86	1/2	2,565.67	1/2	2,304.22	1/2	2,042.63	1/2	1,781.03
3/4		3/4		3/4		3/4	3,340.42	3/4	3,080.63	3/4	2,820.44	3/4	2,560.25	3/4	2,298.77	3/4	2,037.18	3/4	1,775.58
7		7		7		7	3,335.10	7	3,075.21	7	2,815.02	7	2,554.83	7	2,293.32	7	2,031.73	7	1,770.13
1/4		1/4		1/4		1/4	3,329.78	1/4	3,069.79	1/4	2,809.60	1/4	2,549.41	1/4	2,287.87	1/4	2,026.28	1/4	1,764.68
1/2		1/2		1/2		1/2	3,324.46	1/2	3,064.37	1/2	2,804.18	1/2	2,543.99	1/2	2,282.42	1/2	2,020.83	1/2	1,759.23
3/4		3/4		3/4		3/4	3,319.14	3/4	3,058.95	3/4	2,798.76	3/4	2,538.57	3/4	2,276.98	3/4	2,015.38	3/4	1,753.78
8		8		8		8	3,313.72	8	3,053.53	8	2,793.34	8	2,533.12	8	2,271.53	8	2,009.93	8	1,748.33
1/4		1/4		1/4		1/4	3,308.30	1/4	3,048.11	1/4	2,787.92	1/4	2,527.67	1/4	2,266.08	1/4	2,004.48	1/4	1,742.88
1/2		1/2		1/2		1/2	3,302.87	1/2	3,042.69	1/2	2,782.50	1/2	2,522.22	1/2	2,260.63	1/2	1,999.03	1/2	1,737.43
3/4		3/4		3/4		3/4	3,297.45	3/4	3,037.27	3/4	2,777.08	3/4	2,516.77	3/4	2,255.18	3/4	1,993.58	3/4	1,731.99
9		9		9		9	3,292.03	9	3,031.84	9	2,771.66	9	2,511.32	9	2,249.73	9	1,988.13	9	1,726.54
1/4		1/4		1/4		1/4	3,286.61	1/4	3,026.42	1/4	2,766.24	1/4	2,505.87	1/4	2,244.28	1/4	1,982.68	1/4	1,721.09
1/2		1/2		1/2		1/2	3,281.19	1/2	3,021.00	1/2	2,760.81	1/2	2,500.42	1/2	2,238.83	1/2	1,977.23	1/2	1,715.64
3/4		3/4		3/4		3/4	3,275.77	3/4	3,015.58	3/4	2,755.39	3/4	2,494.97	3/4	2,233.38	3/4	1,971.78	3/4	1,710.19
10		10		10		10	3,270.35	10	3,010.16	10	2,749.97	10	2,489.52	10	2,227.93	10	1,966.33	10	1,704.74
1/4		1/4		1/4		1/4	3,264.93	1/4	3,004.74	1/4	2,744.55	1/4	2,484.07	1/4	2,222.48	1/4	1,960.88	1/4	1,699.29
1/2		1/2		1/2		1/2	3,259.51	1/2	2,999.32	1/2	2,739.13	1/2	2,478.62	1/2	2,217.03	1/2	1,955.43	1/2	1,693.84
3/4		3/4		3/4		3/4	3,254.09	3/4	2,993.90	3/4	2,733.71	3/4	2,473.17	3/4	2,211.58	3/4	1,949.98	3/4	1,688.39
11		11		11		11	3,248.67	11	2,988.48	11	2,728.29	11	2,467.72	11	2,206.13	11	1,944.53	11	1,682.94
1/4		1/4		1/4		1/4	3,243.25	1/4	2,983.06	1/4	2,722.87	1/4	2,462.27	1/4	2,200.68	1/4	1,939.08	1/4	1,677.49
1/2		1/2		1/2		1/2	3,237.83	1/2	2,977.64	1/2	2,717.45	1/2	2,456.82	1/2	2,195.23	1/2	1,933.63	1/2	1,672.04
3/4		3/4		3/4		3/4	3,457.60	3/4	3,232.41	3/4	2,972.22	3/4	2,712.03	3/4	2,451.37	3/4	2,189.78	3/4	1,666.59

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
<http://www.pmacorp.net>



BARGE "KIRBY 10535"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,661.14	0	1,399.54	0	1,137.78	0	876.93	0	615.89	0	354.15	0	92.54	0		0			
1/4	1,655.69	1/4	1,394.08	1/4	1,132.33	1/4	871.51	1/4	610.44	1/4	348.70	1/4	87.12	1/4		1/4			1/4
1/2	1,650.24	1/2	1,388.63	1/2	1,126.87	1/2	866.09	1/2	604.99	1/2	343.25	1/2	81.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,644.79	3/4	1,383.18	3/4	1,121.42	3/4	860.68	3/4	599.54	3/4	337.80	3/4	76.28	3/4	3/4	3/4	3/4	3/4	3/4
1	1,639.34	1	1,377.72	1	1,115.97	1	855.26	1	594.08	1	332.34	1	70.89	1	1	1	1	1	1
1/4	1,633.89	1/4	1,372.27	1/4	1,110.51	1/4	849.84	1/4	588.63	1/4	326.89	1/4	65.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,628.44	1/2	1,366.82	1/2	1,105.06	1/2	844.43	1/2	583.18	1/2	321.44	1/2	60.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,622.99	3/4	1,361.36	3/4	1,099.61	3/4	839.01	3/4	577.72	3/4	315.98	3/4	54.72	3/4	3/4	3/4	3/4	3/4	3/4
2	1,617.54	2	1,355.91	2	1,094.15	2	833.59	2	572.27	2	310.53	2	49.38	2	2	2	2	2	2
1/4	1,612.09	1/4	1,350.46	1/4	1,088.70	1/4	828.18	1/4	566.82	1/4	305.08	1/4	44.04	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,606.64	1/2	1,345.00	1/2	1,083.25	1/2	822.76	1/2	561.36	1/2	299.63	1/2	38.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,601.19	3/4	1,339.55	3/4	1,077.79	3/4	817.34	3/4	555.91	3/4	294.17	3/4	33.36	3/4	3/4	3/4	3/4	3/4	3/4
3	1,595.74	3	1,334.10	3	1,072.34	3	811.93	3	550.46	3	288.72	3	28.83	3	3	3	3	3	3
1/4	1,590.29	1/4	1,328.64	1/4	1,066.89	1/4	806.52	1/4	545.01	1/4	283.27	1/4	24.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,584.84	1/2	1,323.19	1/2	1,061.43	1/2	801.11	1/2	539.55	1/2	277.81	1/2	19.75	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,579.39	3/4	1,317.74	3/4	1,055.98	3/4	795.69	3/4	534.10	3/4	272.36	3/4	15.22	3/4	3/4	3/4	3/4	3/4	3/4
4	1,573.94	4	1,312.28	4	1,050.53	4	790.25	4	528.65	4	266.91	4	12.49	4	4	4	4	4	4
1/4	1,568.49	1/4	1,306.83	1/4	1,045.07	1/4	784.80	1/4	523.19	1/4	261.46	1/4	9.77	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,563.04	1/2	1,301.38	1/2	1,039.62	1/2	779.35	1/2	517.74	1/2	256.00	1/2	7.04	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,557.59	3/4	1,295.93	3/4	1,034.17	3/4	773.90	3/4	512.29	3/4	250.55	3/4	4.31	3/4	3/4	3/4	3/4	3/4	3/4
5	1,552.14	5	1,290.47	5	1,028.71	5	768.45	5	506.84	5	245.10	5	3.40	5	5	5	5	5	5
1/4	1,546.69	1/4	1,285.02	1/4	1,023.26	1/4	763.01	1/4	501.38	1/4	239.64	1/4	2.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,541.24	1/2	1,279.57	1/2	1,017.81	1/2	757.56	1/2	495.93	1/2	234.19	1/2	1.59	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,535.79	3/4	1,274.11	3/4	1,012.35	3/4	752.11	3/4	490.48	3/4	228.74	3/4	0.68	3/4	3/4	3/4	3/4	3/4	3/4
6	1,530.34	6	1,268.66	6	1,006.94	6	746.66	6	485.02	6	223.28	6		6	6	6	6	6	6
1/4	1,524.89	1/4	1,263.21	1/4	1,001.52	1/4	741.21	1/4	479.57	1/4	217.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,519.44	1/2	1,257.75	1/2	996.10	1/2	735.77	1/2	474.12	1/2	212.38	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,513.99	3/4	1,252.30	3/4	990.69	3/4	730.32	3/4	468.67	3/4	206.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,508.54	7	1,246.85	7	985.27	7	724.87	7	463.21	7	201.47	7		7	7	7	7	7	7
1/4	1,503.09	1/4	1,241.39	1/4	979.85	1/4	719.42	1/4	457.76	1/4	196.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,497.64	1/2	1,235.94	1/2	974.43	1/2	713.97	1/2	452.31	1/2	190.57	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,492.19	3/4	1,230.49	3/4	969.02	3/4	708.53	3/4	446.85	3/4	185.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,486.74	8	1,225.03	8	963.60	8	703.08	8	441.40	8	179.66	8		8	8	8	8	8	8
1/4	1,481.29	1/4	1,219.58	1/4	958.18	1/4	697.63	1/4	435.95	1/4	174.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,475.84	1/2	1,214.13	1/2	952.77	1/2	692.18	1/2	430.50	1/2	168.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,470.39	3/4	1,208.67	3/4	947.35	3/4	686.74	3/4	425.04	3/4	163.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,464.94	9	1,203.22	9	941.93	9	681.29	9	419.59	9	157.85	9		9	9	9	9	9	9
1/4	1,459.49	1/4	1,197.77	1/4	936.52	1/4	675.84	1/4	414.14	1/4	152.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,454.04	1/2	1,192.31	1/2	931.10	1/2	670.39	1/2	408.68	1/2	146.95	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,448.59	3/4	1,186.86	3/4	925.68	3/4	664.94	3/4	403.23	3/4	141.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,443.14	10	1,181.41	10	920.26	10	659.50	10	397.78	10	136.05	10		10	10	10	10	10	10
1/4	1,437.69	1/4	1,175.95	1/4	914.85	1/4	654.05	1/4	392.32	1/4	130.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,432.24	1/2	1,170.50	1/2	909.43	1/2	648.60	1/2	386.87	1/2	125.15	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,426.79	3/4	1,165.05	3/4	904.01	3/4	643.16	3/4	381.42	3/4	119.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,421.34	11	1,159.59	11	898.60	11	637.70	11	375.97	11	114.27	11		11	11	11	11	11	11
1/4	1,415.89	1/4	1,154.14	1/4	893.18	1/4	632.25	1/4	370.51	1/4	108.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,410.44	1/2	1,148.69	1/2	887.76	1/2	626.80	1/2	365.06	1/2	103.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,404.99	3/4	1,143.23	3/4	882.35	3/4	621.35	3/4	359.61	3/4	97.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2012 CL - SW
CALCULATED: 06/28/2012 CL
PRINTED: 06/28/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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