BARGE "KIRBY 10541"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**
1 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-3/4	- 00-3/4	01-0/8	- 01-0/8
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	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	00-1/2	- 00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 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"

July 18, 2012

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

http://www.pmacorp.net

BARGE "KIRBY 10541"

1 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,762.83	0	3,529.20	0	3,276.19	0	3,023.19	0	2,760.08	0	2,464.28	0	2,167.87
1/4		1/4		1/4		1/4	3,761.80	1/4	3,523.92	1/4	3,270.92	1/4	3,017.92	1/4	2,753.92	1/4	2,458.11	1/4	2,161.69
1/2		1/2		1/2		1/2	3,758.70	1/2	3,518.65	1/2	3,265.65	1/2	3,012.65	1/2	2,747.77	1/2	2,451.93	1/2	2,155.52
3/4		3/4		3/4		3/4	3,755.60	3/4	3,513.38	3/4	3,260.38	3/4	3,007.38	3/4	2,741.61	3/4	2,445.76	3/4	2,149.34
1		1		1		1	3,752.50	1	3,508.11	1	3,255.11	1	3,002.11	1	2,735.45	1	2,439.58	1	2,143.17
1/4		1/4		1/4		1/4	3,749.40	1/4	3,502.84	1/4	3,249.84	1/4	2,996.83	1/4	2,729.30	1/4	2,433.41	1/4	2,136.99
1/2		1/2		1/2		1/2	3,745.25	1/2	3,497.57	1/2	3,244.57	1/2	2,991.56	1/2	2,723.14	1/2	2,427.23	1/2	2,130.82
3/4		3/4		3/4		3/4	3,741.09	3/4	3,492.30	3/4	3,239.30	3/4	2,986.29	3/4	2,716.98	3/4	2,421.06	3/4	2,124.64
2		2		2		2	3,736.94	2	3,487.03	2	3,234.03	2	2,981.02	2	2,710.83	2	2,414.88	2	2,118.47
1/4		1/4		1/4		1/4	3,732.79	1/4	3,481.76	1/4	3,228.75	1/4	2,975.75	1/4	2,704.67	1/4	2,408.71	1/4	2,112.29
1/2		1/2		1/2		1/2	3,727.66	1/2	3,476.49	1/2	3,223.48	1/2	2,970.48	1/2	2,698.52	1/2	2,402.53	1/2	2,106.12
3/4		3/4		3/4		3/4	3,722.52	3/4	3,471.22	3/4	3,218.21	3/4	2,965.21	3/4	2,692.36	3/4	2,396.36	3/4	2,099.94
3		3		3		3	3,717.38	3	3,465.95	3	3,212.94	3	2,959.94	3	2,686.20	3	2,390.18	3	2,093.77
1/4		1/4		1/4		1/4	3,712.25	1/4	3,460.67	1/4	3,207.67	1/4	2,954.67	1/4	2,680.05	1/4	2,384.00	1/4	2,087.59
1/2		1/2		1/2		1/2	3,707.07	1/2	3,455.40	1/2	3,202.40	1/2	2,949.40	1/2	2,673.89	1/2	2,377.83	1/2	2,081.42
3/4		3/4		3/4		3/4	3,701.90	3/4	3,450.13	3/4	3,197.13	3/4	2,944.13	3/4	2,667.73	3/4	2,371.65	3/4	2,075.24
4		4		4		4	3,696.73	4	3,444.86	4	3,191.86	4	2,938.86	4	2,661.58	4	2,365.48	4	2,069.06
1/4		1/4		1/4		1/4	3,691.56	1/4	3,439.59	1/4	3,186.59	1/4	2,933.58	1/4	2,655.42	1/4	2,359.30	1/4	2,062.89
1/2		1/2		1/2		1/2	3,686.37	1/2	3,434.32	1/2	3,181.32	1/2	2,928.31	1/2	2,649.26	1/2	2,353.13	1/2	2,056.71
3/4		3/4		3/4		3/4	3,681.19	3/4	3,429.05	3/4	3,176.05	3/4	2,923.04	3/4	2,643.11	3/4	2,346.95	3/4	2,050.54
5		5		5		5	3,676.00	5	3,423.78	5	3,170.77	5	2,917.77	5	2,636.95	5	2,340.78	5	2,044.36
1/4		1/4		1/4		1/4	3,670.81	1/4	3,418.51	1/4	3,165.50	1/4	2,912.50	1/4	2,630.79	1/4	2,334.60	1/4	2,038.19
1/2		1/2		1/2		1/2	3,665.63	1/2	3,413.24	1/2	3,160.23	1/2	2,907.23	1/2	2,624.64	1/2	2,328.43	1/2	2,032.01
3/4		3/4		3/4		3/4	3,660.45	3/4	3,407.97	3/4	3,154.96	3/4	2,901.96	3/4	2,618.48	3/4	2,322.25	3/4	2,025.84
6		6		6		6	3,655.26	6	3,402.69	6	3,149.69	6	2,896.69	6	2,612.32	6	2,316.08	6	2,019.66
1/4		1/4		1/4		1/4	3,650.08	1/4	3,397.42	1/4	3,144.42	1/4	2,891.42	1/4	2,606.17	1/4	2,309.90	1/4	2,013.49
1/2		1/2		1/2		1/2	3,644.89	1/2	3,392.15	1/2	3,139.15	1/2	2,886.15	1/2	2,600.01	1/2	2,303.73	1/2	2,007.31
3/4		3/4		3/4		3/4	3,639.71	3/4	3,386.88	3/4	3,133.88	3/4	2,880.88	3/4	2,593.85	3/4	2,297.55	3/4	2,001.14
7		7		7		7	3,634.53	7	3,381.61	7	3,128.61	7	2,875.60	7	2,587.70	7	2,291.38	7	1,994.96
1/4		1/4		1/4		1/4	3,629.34	1/4	3,376.34	1/4	3,123.34	1/4	2,870.33	1/4	2,581.54	1/4	2,285.20	1/4	1,988.79
1/2		1/2		1/2		1/2	3,624.07	1/2	3,371.07	1/2	3,118.07	1/2	2,865.04	1/2	2,575.38	1/2	2,279.02	1/2	1,982.61
3/4		3/4		3/4		3/4	3,618.80	3/4	3,365.80	3/4	3,112.79	3/4	2,859.74	3/4	2,569.23	3/4	2,272.85	3/4	1,976.44
8		8		8		8	3,613.53	8	3,360.53	8	3,107.52	8	2,854.45	8	2,563.07	8	2,266.67	8	1,970.26
1/4		1/4		1/4		1/4	3,608.26	1/4	3,355.26	1/4	3,102.25	1/4	2,849.15	1/4	2,556.91	1/4	2,260.50	1/4	1,964.08
1/2		1/2		1/2		1/2	3,602.99	1/2	3,349.99	1/2	3,096.98	1/2	2,843.85	1/2	2,550.74	1/2	2,254.32	1/2	1,957.91
3/4		3/4		3/4		3/4	3,597.72	3/4	3,344.71	3/4	3,091.71	3/4	2,838.56	3/4	2,544.56	3/4	2,248.15	3/4	1,951.73
9		9		9		9	3,592.45	9	3,339.44	9	3,086.44	9	2,833.26	9	2,538.39	9	2,241.97	9	1,945.56
1/4		1/4		1/4		1/4	3,587.18	1/4	3,334.17	1/4	3,081.17	1/4	2,827.97	1/4	2,532.21	1/4	2,235.80	1/4	1,939.38
1/2		1/2		1/2		1/2	3,581.90	1/2	3,328.90	1/2	3,075.90	1/2	2,821.77	1/2	2,526.04	1/2	2,229.62	1/2	1,933.21
3/4		3/4		3/4		3/4	3,576.63	3/4	3,323.63	3/4	3,070.63	3/4	2,815.57	3/4	2,519.86	3/4	2,223.45	3/4	1,927.03
10		10		10		10	3,571.36	10	3,318.36	10	3,065.36	10	2,809.37	10	2,513.69	10	2,217.27	10	1,920.86
1/4		1/4		1/4		1/4	3,566.09	1/4	3,313.09	1/4	3,060.09	1/4	2,803.18	1/4	2,507.51	1/4	2,211.10	1/4	1,914.68
1/2		1/2		1/2		1/2	3,560.82	1/2	3,307.82	1/2	3,054.81	1/2	2,797.02	1/2	2,501.34	1/2	2,204.92	1/2	1,908.51
3/4		3/4		3/4		3/4	3,555.55	3/4	3,302.55	3/4	3,049.54	3/4	2,790.86	3/4	2,495.16	3/4	2,198.75	3/4	1,902.33
11		11		11		11	3,550.28	11	3,297.28	11	3,044.27	11	2,784.71	11	2,488.99	11	2,192.57	11	1,896.16
1/4		1/4		1/4	3,765.93	1/4	3,545.01	1/4	3,292.01	1/4	3,039.00	1/4	2,778.55	1/4	2,482.81	1/4	2,186.40	1/4	1,889.98
1/2		1/2		1/2	3,764.90	1/2	3,539.74	1/2	3,286.73	1/2	3,033.73	1/2	2,772.39	1/2	2,476.63	1/2	2,180.22	1/2	1,883.81
3/4		3/4		3/4	3,763.86	3/4	3,534.47	3/4	3,281.46	3/4	3,028.46	3/4	2,766.24	3/4	2,470.46	3/4	2,174.04	3/4	1,877.63

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 10541"

1 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,871.46	0	1,574.79	0	1,277.96	0	981.13	0	690.38	0	393.37	0	96.43	0		0		0	
1/4	1,865.28	1/4	1,568.60	1/4	1,271.77	1/4	974.95	1/4	684.21	1/4	387.18	1/4	90.27	1/4		1/4		1/4	
1/2	1,859.10	1/2	1,562.42	1/2	1,265.59	1/2	968.83	1/2	678.02	1/2	381.00	1/2	84.14	1/2		1/2		1/2	
3/4	1,852.93	3/4	1,556.23	3/4	1,259.41	3/4	962.70	3/4	671.83	3/4	374.81	3/4	78.02	3/4		3/4		3/4	
1	1,846.75	1	1,550.05	1	1,253.22	1	956.58	1	665.65	1	368.62	1	71.89	1		1		1	
1/4	1,840.58	1/4	1,543.87	1/4	1,247.04	1/4	950.46	1/4	659.46	1/4	362.43	1/4	65.76	1/4		1/4		1/4	
1/2	1,834.40	1/2	1,537.68	1/2	1,240.85	1/2	944.40	1/2	653.27	1/2	356.24	1/2	59.69	1/2		1/2		1/2	
3/4	1,828.23	3/4	1,531.50	3/4	1,234.67	3/4	938.35	3/4	647.09	3/4	350.06	3/4	53.62	3/4		3/4		3/4	
2	1,822.05	2	1,525.31	2	1,228.49	2	932.29	2	640.90	2	343.87	2	47.54	2		2		2	
1/4	1,815.88	1/4	1,519.13	1/4	1,222.30	1/4	926.23	1/4	634.71	1/4	337.68	1/4	41.47	1/4		1/4		1/4	
1/2	1,809.69	1/2	1,512.95	1/2	1,216.12	1/2	920.17	1/2	628.52	1/2	331.49	1/2	36.31	1/2		1/2		1/2	
3/4	1,803.51	3/4	1,506.76	3/4	1,209.94	3/4	914.12	3/4	622.34	3/4	325.30	3/4	31.16	3/4		3/4		3/4	
3	1,797.33	3	1,500.58	3	1,203.75	3	908.06	3	616.15	3	319.11	3	26.00	3		3		3	
1/4	1,791.14	1/4	1,494.39	1/4	1,197.57	1/4	902.00	1/4	609.96	1/4	312.93	1/4	20.84	1/4		1/4		1/4	
1/2	1,784.96	1/2	1,488.21	1/2	1,191.38	1/2	895.96	1/2	603.77	1/2	306.74	1/2	17.74	1/2		1/2		1/2	
3/4	1,778.78	3/4	1,482.03	3/4	1,185.20	3/4	889.92	3/4	597.58	3/4	300.55	3/4	14.64	3/4		3/4		3/4	
4	1,772.59	4	1,475.84	4	1,179.02	4	883.88	4	591.40	4	294.36	4	11.54	4		4		4	
1/4	1,766.41	1/4	1,469.66	1/4	1,172.83	1/4	877.84	1/4	585.21	1/4	288.17	1/4	8.44	1/4		1/4		1/4	
1/2	1,760.22	1/2	1,463.48	1/2	1,166.65	1/2	871.81	1/2	579.02	1/2	281.99	1/2	7.41	1/2		1/2		1/2	
3/4	1,754.04	3/4	1,457.29	3/4	1,160.46	3/4	865.79	3/4	572.83	3/4	275.80	3/4	6.38	3/4		3/4		3/4	
5	1,747.86	5	1,451.11	5	1,154.28	5	859.76	5	566.64	5	269.61	5	5.34	5		5		5	
1/4	1,741.67	1/4	1,444.92	1/4	1,148.10	1/4	853.74	1/4	560.45	1/4	263.42	1/4	4.31	1/4		1/4		1/4	
1/2	1,735.49	1/2	1,438.74	1/2	1,141.91	1/2	847.71	1/2	554.27	1/2	257.23	1/2		1/2		1/2		1/2	
3/4	1,729.31	3/4	1,432.56	3/4	1,135.73	3/4	841.69	3/4	548.08	3/4	251.04	3/4		3/4		3/4		3/4	
6	1,723.13	6	1,426.37	6	1,129.54	6	835.66	6	541.89	6	244.86	6		6		6		6	
1/4	1,716.94	1/4	1,420.19	1/4	1,123.36	1/4	829.64	1/4	535.70	1/4	238.67	1/4		1/4		1/4		1/4	
1/2	1,710.76	1/2	1,414.00	1/2	1,117.18	1/2	823.61	1/2	529.51	1/2	232.48	1/2		1/2		1/2		1/2	
3/4	1,704.58	3/4	1,407.82	3/4	1,110.99	3/4	817.59	3/4	523.33	3/4	226.29	3/4		3/4		3/4		3/4	
7	1,698.40	7	1,401.64	7	1,104.81	7	811.56	7	517.14	7	220.10	7		7		7		7	
1/4	1,692.22	1/4	1,395.45	1/4	1,098.62	1/4	805.54	1/4	510.95	1/4	213.92	1/4		1/4		1/4		1/4	
1/2	1,686.04	1/2	1,389.27	1/2	1,092.44	1/2	799.52	1/2	504.76	1/2	207.73	1/2		1/2		1/2		1/2	
3/4	1,679.86	3/4	1,383.08	3/4	1,086.26	3/4	793.49	3/4	498.57	3/4	201.54	3/4		3/4		3/4		3/4	
8	1,673.68	8	1,376.90	8	1,080.07	8	787.47	8	492.38	8	195.35	8		8		8		8	
1/4	1,667.50	1/4	1,370.72	1/4	1,073.89	1/4	781.44	1/4	486.20	1/4	189.16	1/4		1/4		1/4		1/4	
1/2	1,661.32	1/2	1,364.53	1/2	1,067.71	1/2	775.42	1/2	480.01	1/2	182.98	1/2		1/2		1/2		1/2	
3/4	1,655.14	3/4	1,358.35	3/4	1,061.52	3/4	769.39	3/4	473.82	3/4	176.79	3/4		3/4		3/4		3/4	
9	1,648.96	9	1,352.16	9	1,055.34	9	763.37	9	467.63	9	170.60	9		9		9		9	
1/4	1,642.78	1/4	1,345.98	1/4	1,049.15	1/4	757.34	1/4	461.44	1/4	164.41	1/4		1/4		1/4		1/4	
1/2	1,636.60	1/2	1,339.80	1/2	1,042.97	1/2	751.32	1/2	455.26	1/2	158.22	1/2		1/2		1/2		1/2	
3/4	1,630.42	3/4	1,333.61	3/4	1,036.79	3/4	745.29	3/4	449.07	3/4	152.03	3/4		3/4		3/4		3/4	
10	1,624.24	10	1,327.43	10	1,030.60	10	739.27	10	442.88	10	145.83	10		10		10		10	
1/4	1,618.06	1/4	1,321.25	1/4	1,024.42	1/4	733.24	1/4	436.69	1/4	139.64	1/4		1/4		1/4		1/4	
1/2	1,611.88	1/2	1,315.06	1/2	1,018.23	1/2	727.15	1/2	430.50	1/2	133.46	1/2		1/2		1/2		1/2	
3/4	1,605.70	3/4	1,308.88	3/4	1,012.05	3/4	721.07	3/4	424.31	3/4	127.28	3/4		3/4		3/4		3/4	
11	1,599.52	11	1,302.69	11	1,005.87	11	714.98	11	418.13	11	121.10	11		11		11		11	
1/4	1,593.34	1/4	1,296.51	1/4	999.68	1/4	708.89	1/4	411.94	1/4	114.91	1/4		1/4		1/4		1/4	
1/2	1,587.15	1/2	1,290.33	1/2	993.50	1/2	702.72	1/2	405.75	1/2	108.75	1/2		1/2		1/2		1/2	
3/4	1,580.97	3/4	1,284.14	3/4	987.31	3/4	696.55	3/4	399.56	3/4	102.59	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/18/2012 CL - SW
CALCULATED: 07/18/2012 CL
PRINTED: 07/19/2012 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2012

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

BARGE "KIRBY 10541"

2 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,475.56	0	3,244.31	0	2,982.37	0	2,720.43	0	2,457.99	0	2,194.64	0	1,931.29
1/4		1/4		1/4		1/4	3,474.64	1/4	3,238.85	1/4	2,976.91	1/4	2,714.97	1/4	2,452.50	1/4	2,189.15	1/4	1,925.81
1/2		1/2		1/2		1/2	3,473.73	1/2	3,233.39	1/2	2,971.45	1/2	2,709.51	1/2	2,447.02	1/2	2,183.67	1/2	1,920.32
3/4		3/4		3/4		3/4	3,472.81	3/4	3,227.94	3/4	2,966.00	3/4	2,704.06	3/4	2,441.53	3/4	2,178.18	3/4	1,914.83
1		1		1		1	3,470.07	1	3,222.48	1	2,960.54	1	2,698.60	1	2,436.04	1	2,172.70	1	1,909.35
1/4		1/4		1/4		1/4	3,467.32	1/4	3,217.02	1/4	2,955.08	1/4	2,693.14	1/4	2,430.56	1/4	2,167.21	1/4	1,903.86
1/2		1/2		1/2		1/2	3,464.58	1/2	3,211.57	1/2	2,949.63	1/2	2,687.68	1/2	2,425.07	1/2	2,161.72	1/2	1,898.38
3/4		3/4		3/4		3/4	3,461.83	3/4	3,206.11	3/4	2,944.17	3/4	2,682.23	3/4	2,419.58	3/4	2,156.24	3/4	1,892.89
2		2		2		2	3,457.39	2	3,200.65	2	2,938.71	2	2,676.77	2	2,414.10	2	2,150.75	2	1,887.40
1/4		1/4		1/4		1/4	3,452.94	1/4	3,195.19	1/4	2,933.25	1/4	2,671.31	1/4	2,408.61	1/4	2,145.26	1/4	1,881.92
1/2		1/2		1/2		1/2	3,448.50	1/2	3,189.74	1/2	2,927.80	1/2	2,665.86	1/2	2,403.12	1/2	2,139.78	1/2	1,876.43
3/4		3/4		3/4		3/4	3,444.05	3/4	3,184.28	3/4	2,922.34	3/4	2,660.40	3/4	2,397.64	3/4	2,134.29	3/4	1,870.94
3		3		3		3	3,438.74	3	3,178.82	3	2,916.88	3	2,654.94	3	2,392.15	3	2,128.80	3	1,865.46
1/4		1/4		1/4		1/4	3,433.42	1/4	3,173.37	1/4	2,911.43	1/4	2,649.48	1/4	2,386.67	1/4	2,123.32	1/4	1,859.97
1/2		1/2		1/2		1/2	3,428.10	1/2	3,167.91	1/2	2,905.97	1/2	2,644.03	1/2	2,381.18	1/2	2,117.83	1/2	1,854.48
3/4		3/4		3/4		3/4	3,422.78	3/4	3,162.45	3/4	2,900.51	3/4	2,638.57	3/4	2,375.69	3/4	2,112.35	3/4	1,849.00
4		4		4		4	3,417.43	4	3,157.00	4	2,895.05	4	2,633.11	4	2,370.21	4	2,106.86	4	1,843.51
1/4		1/4		1/4		1/4	3,412.08	1/4	3,151.54	1/4	2,889.60	1/4	2,627.66	1/4	2,364.72	1/4	2,101.37	1/4	1,838.03
1/2		1/2		1/2		1/2	3,406.74	1/2	3,146.08	1/2	2,884.14	1/2	2,622.20	1/2	2,359.23	1/2	2,095.89	1/2	1,832.54
3/4		3/4		3/4		3/4	3,401.39	3/4	3,140.62	3/4	2,878.68	3/4	2,616.74	3/4	2,353.75	3/4	2,090.40	3/4	1,827.05
5		5		5		5	3,396.03	5	3,135.17	5	2,873.23	5	2,611.29	5	2,348.26	5	2,084.91	5	1,821.57
1/4		1/4		1/4		1/4	3,390.66	1/4	3,129.71	1/4	2,867.77	1/4	2,605.83	1/4	2,342.77	1/4	2,079.43	1/4	1,816.08
1/2		1/2		1/2		1/2	3,385.30	1/2	3,124.25	1/2	2,862.31	1/2	2,600.37	1/2	2,337.29	1/2	2,073.94	1/2	1,810.59
3/4		3/4		3/4		3/4	3,379.94	3/4	3,118.80	3/4	2,856.85	3/4	2,594.91	3/4	2,331.80	3/4	2,068.45	3/4	1,805.11
6		6		6		6	3,374.58	6	3,113.34	6	2,851.40	6	2,589.46	6	2,326.31	6	2,062.97	6	1,799.62
1/4		1/4		1/4		1/4	3,369.23	1/4	3,107.88	1/4	2,845.94	1/4	2,584.00	1/4	2,320.83	1/4	2,057.48	1/4	1,794.13
1/2		1/2		1/2		1/2	3,363.87	1/2	3,102.42	1/2	2,840.48	1/2	2,578.54	1/2	2,315.34	1/2	2,051.99	1/2	1,788.65
3/4		3/4		3/4		3/4	3,358.51	3/4	3,096.97	3/4	2,835.03	3/4	2,573.09	3/4	2,309.86	3/4	2,046.51	3/4	1,783.16
7		7		7		7	3,353.15	7	3,091.51	7	2,829.57	7	2,567.63	7	2,304.37	7	2,041.02	7	1,777.67
1/4		1/4		1/4		1/4	3,347.80	1/4	3,086.05	1/4	2,824.11	1/4	2,562.17	1/4	2,298.88	1/4	2,035.54	1/4	1,772.19
1/2		1/2		1/2		1/2	3,342.44	1/2	3,080.60	1/2	2,818.66	1/2	2,556.71	1/2	2,293.40	1/2	2,030.05	1/2	1,766.70
3/4		3/4		3/4		3/4	3,337.08	3/4	3,075.14	3/4	2,813.20	3/4	2,551.26	3/4	2,287.91	3/4	2,024.56	3/4	1,761.22
8		8		8		8	3,331.62	8	3,069.68	8	2,807.74	8	2,545.77	8	2,282.42	8	2,019.08	8	1,755.73
1/4		1/4		1/4		1/4	3,326.17	1/4	3,064.22	1/4	2,802.28	1/4	2,540.28	1/4	2,276.94	1/4	2,013.59	1/4	1,750.24
1/2		1/2		1/2		1/2	3,320.71	1/2	3,058.77	1/2	2,796.83	1/2	2,534.80	1/2	2,271.45	1/2	2,008.10	1/2	1,744.76
3/4		3/4		3/4		3/4	3,315.25	3/4	3,053.31	3/4	2,791.37	3/4	2,529.31	3/4	2,265.96	3/4	2,002.62	3/4	1,739.27
9		9		9		9	3,309.79	9	3,047.85	9	2,785.91	9	2,523.83	9	2,260.48	9	1,997.13	9	1,733.78
1/4		1/4		1/4		1/4	3,304.34	1/4	3,042.40	1/4	2,780.46	1/4	2,518.34	1/4	2,254.99	1/4	1,991.64	1/4	1,728.30
1/2		1/2		1/2		1/2	3,298.88	1/2	3,036.94	1/2	2,775.00	1/2	2,512.85	1/2	2,249.51	1/2	1,986.16	1/2	1,722.81
3/4		3/4		3/4		3/4	3,293.42	3/4	3,031.48	3/4	2,769.54	3/4	2,507.37	3/4	2,244.02	3/4	1,980.67	3/4	1,717.32
10		10		10		10	3,287.97	10	3,026.02	10	2,764.08	10	2,501.88	10	2,238.53	10	1,975.19	10	1,711.84
1/4		1/4		1/4		1/4	3,282.51	1/4	3,020.57	1/4	2,758.63	1/4	2,496.39	1/4	2,233.05	1/4	1,969.70	1/4	1,706.35
1/2		1/2		1/2		1/2	3,277.05	1/2	3,015.11	1/2	2,753.17	1/2	2,490.91	1/2	2,227.56	1/2	1,964.21	1/2	1,700.87
3/4		3/4		3/4		3/4	3,271.59	3/4	3,009.65	3/4	2,747.71	3/4	2,485.42	3/4	2,222.07	3/4	1,958.73	3/4	1,695.38
11		11		11		11	3,266.14	11	3,004.20	11	2,742.26	11	2,479.93	11	2,216.59	11	1,953.24	11	1,689.89
1/4		1/4		1/4		1/4	3,260.68	1/4	2,998.74	1/4	2,736.80	1/4	2,474.45	1/4	2,211.10	1/4	1,947.75	1/4	1,684.41
1/2		1/2		1/2		1/2	3,255.22	1/2	2,993.28	1/2	2,731.34	1/2	2,468.96	1/2	2,205.61	1/2	1,942.27	1/2	1,678.92
3/4		3/4		3/4	3,476.47	3/4	3,249.77	3/4	2,987.83	3/4	2,725.88	3/4	2,463.47	3/4	2,200.13	3/4	1,936.78	3/4	1,673.43

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'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 10541"

2 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	1,667.95	0	1,404.60	0	1,141.09	0	879.52	0	620.01	0	356.52	0	93.15	0		0		0	
1/4	1,662.46	1/4	1,399.11	1/4	1,135.60	1/4	874.12	1/4	614.52	1/4	351.03	1/4	87.70	1/4		1/4		1/4	
1/2	1,656.97	1/2	1,393.62	1/2	1,130.11	1/2	868.71	1/2	609.03	1/2	345.54	1/2	82.25	1/2		1/2		1/2	
3/4	1,651.49	3/4	1,388.13	3/4	1,124.62	3/4	863.31	3/4	603.54	3/4	340.05	3/4	76.79	3/4		3/4		3/4	
1	1,646.00	1	1,382.64	1	1,119.13	1	857.90	1	598.05	1	334.56	1	71.36	1		1		1	
1/4	1,640.51	1/4	1,377.15	1/4	1,113.64	1/4	852.50	1/4	592.56	1/4	329.07	1/4	65.94	1/4		1/4		1/4	
1/2	1,635.03	1/2	1,371.66	1/2	1,108.15	1/2	847.09	1/2	587.07	1/2	323.58	1/2	60.51	1/2		1/2		1/2	
3/4	1,629.54	3/4	1,366.17	3/4	1,102.66	3/4	841.69	3/4	581.59	3/4	318.09	3/4	55.09	3/4		3/4		3/4	
2	1,624.06	2	1,360.68	2	1,097.17	2	836.28	2	576.10	2	312.60	2	49.71	2		2		2	
1/4	1,618.57	1/4	1,355.19	1/4	1,091.68	1/4	830.88	1/4	570.61	1/4	307.12	1/4	44.33	1/4		1/4		1/4	
1/2	1,613.08	1/2	1,349.70	1/2	1,086.19	1/2	825.47	1/2	565.12	1/2	301.63	1/2	38.96	1/2		1/2		1/2	
3/4	1,607.60	3/4	1,344.21	3/4	1,080.70	3/4	820.07	3/4	559.63	3/4	296.14	3/4	33.58	3/4		3/4		3/4	
3	1,602.11	3	1,338.72	3	1,075.21	3	814.67	3	554.14	3	290.65	3	29.02	3		3		3	
1/4	1,596.62	1/4	1,333.23	1/4	1,069.72	1/4	809.27	1/4	548.65	1/4	285.16	1/4	24.45	1/4		1/4		1/4	
1/2	1,591.14	1/2	1,327.74	1/2	1,064.23	1/2	803.87	1/2	543.16	1/2	279.67	1/2	19.88	1/2		1/2		1/2	
3/4	1,585.65	3/4	1,322.25	3/4	1,058.74	3/4	798.47	3/4	537.67	3/4	274.18	3/4	15.32	3/4		3/4		3/4	
4	1,580.16	4	1,316.76	4	1,053.25	4	793.07	4	532.18	4	268.69	4	12.57	4		4		4	
1/4	1,574.68	1/4	1,311.27	1/4	1,047.76	1/4	787.67	1/4	526.69	1/4	263.20	1/4	9.83	1/4		1/4		1/4	
1/2	1,569.19	1/2	1,305.78	1/2	1,042.27	1/2	782.27	1/2	521.20	1/2	257.71	1/2	7.08	1/2		1/2		1/2	
3/4	1,563.71	3/4	1,300.29	3/4	1,036.78	3/4	776.87	3/4	515.71	3/4	252.22	3/4	4.34	3/4		3/4		3/4	
5	1,558.22	5	1,294.80	5	1,031.29	5	771.47	5	510.22	5	246.73	5	3.42	5		5		5	
1/4	1,552.73	1/4	1,289.31	1/4	1,025.80	1/4	766.07	1/4	504.73	1/4	241.24	1/4	2.51	1/4		1/4		1/4	
1/2	1,547.25	1/2	1,283.82	1/2	1,020.31	1/2	760.67	1/2	499.24	1/2	235.75	1/2	1.59	1/2		1/2		1/2	
3/4	1,541.76	3/4	1,278.33	3/4	1,014.82	3/4	755.27	3/4	493.75	3/4	230.26	3/4	0.68	3/4		3/4		3/4	
6	1,536.27	6	1,272.84	6	1,009.37	6	749.87	6	488.27	6	224.77	6		6		6		6	
1/4	1,530.79	1/4	1,267.35	1/4	1,003.93	1/4	744.48	1/4	482.78	1/4	219.28	1/4		1/4		1/4		1/4	
1/2	1,525.30	1/2	1,261.86	1/2	998.48	1/2	739.08	1/2	477.29	1/2	213.80	1/2		1/2		1/2		1/2	
3/4	1,519.81	3/4	1,256.37	3/4	993.03	3/4	733.68	3/4	471.80	3/4	208.31	3/4		3/4		3/4		3/4	
7	1,514.33	7	1,250.88	7	987.62	7	728.28	7	466.31	7	202.82	7		7		7		7	
1/4	1,508.84	1/4	1,245.39	1/4	982.22	1/4	722.88	1/4	460.82	1/4	197.33	1/4		1/4		1/4		1/4	
1/2	1,503.35	1/2	1,239.90	1/2	976.81	1/2	717.48	1/2	455.33	1/2	191.84	1/2		1/2		1/2		1/2	
3/4	1,497.87	3/4	1,234.41	3/4	971.41	3/4	712.08	3/4	449.84	3/4	186.35	3/4		3/4		3/4		3/4	
8	1,492.38	8	1,228.92	8	966.00	8	706.68	8	444.35	8	180.86	8		8		8		8	
1/4	1,486.90	1/4	1,223.43	1/4	960.60	1/4	701.28	1/4	438.86	1/4	175.37	1/4		1/4		1/4		1/4	
1/2	1,481.41	1/2	1,217.94	1/2	955.19	1/2	695.88	1/2	433.37	1/2	169.88	1/2		1/2		1/2		1/2	
3/4	1,475.92	3/4	1,212.45	3/4	949.79	3/4	690.48	3/4	427.88	3/4	164.39	3/4		3/4		3/4		3/4	
9	1,470.44	9	1,206.96	9	944.38	9	685.08	9	422.39	9	158.90	9		9		9		9	
1/4	1,464.95	1/4	1,201.47	1/4	938.98	1/4	679.68	1/4	416.90	1/4	153.41	1/4		1/4		1/4		1/4	
1/2	1,459.46	1/2	1,195.98	1/2	933.57	1/2	674.28	1/2	411.41	1/2	147.92	1/2		1/2		1/2		1/2	
3/4	1,453.98	3/4	1,190.49	3/4	928.17	3/4	668.88	3/4	405.92	3/4	142.44	3/4		3/4		3/4		3/4	
10	1,448.49	10	1,185.00	10	922.76	10	663.48	10	400.44	10	136.95	10		10		10		10	
1/4	1,443.00	1/4	1,179.51	1/4	917.36	1/4	658.08	1/4	394.95	1/4	131.47	1/4		1/4		1/4		1/4	
1/2	1,437.52	1/2	1,174.02	1/2	911.95	1/2	652.68	1/2	389.46	1/2	125.98	1/2		1/2		1/2		1/2	
3/4	1,432.03	3/4	1,168.53	3/4	906.55	3/4	647.29	3/4	383.97	3/4	120.50	3/4		3/4		3/4		3/4	
11	1,426.55	11	1,163.05	11	901.14	11	641.84	11	378.48	11	115.03	11		11		11		11	
1/4	1,421.06	1/4	1,157.56	1/4	895.74	1/4	636.39	1/4	372.99	1/4	109.55	1/4		1/4		1/4		1/4	
1/2	1,415.57	1/2	1,152.07	1/2	890.33	1/2	630.95	1/2	367.50	1/2	104.08	1/2		1/2		1/2		1/2	
3/4	1,410.09	3/4	1,146.58	3/4	884.93	3/4	625.50	3/4	362.01	3/4	98.61	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/18/2012 CL - SW
CALCULATED: 07/18/2012 CL
PRINTED: 07/19/2012 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2012

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

BARGE "KIRBY 10541"

3 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,455.85	0	3,212.48	0	2,952.14	0	2,691.81	0	2,430.89	0	2,169.15	0	1,907.42
1/4		1/4		1/4		1/4	3,453.12	1/4	3,207.06	1/4	2,946.72	1/4	2,686.38	1/4	2,425.43	1/4	2,163.70	1/4	1,901.97
1/2		1/2		1/2		1/2	3,450.40	1/2	3,201.64	1/2	2,941.30	1/2	2,680.96	1/2	2,419.98	1/2	2,158.25	1/2	1,896.51
3/4		3/4		3/4		3/4	3,447.67	3/4	3,196.21	3/4	2,935.87	3/4	2,675.54	3/4	2,414.53	3/4	2,152.79	3/4	1,891.06
1		1		1		1	3,444.94	1	3,190.79	1	2,930.45	1	2,670.11	1	2,409.08	1	2,147.34	1	1,885.61
1/4		1/4		1/4		1/4	3,440.52	1/4	3,185.36	1/4	2,925.03	1/4	2,664.69	1/4	2,403.62	1/4	2,141.89	1/4	1,880.15
1/2		1/2		1/2		1/2	3,436.11	1/2	3,179.94	1/2	2,919.60	1/2	2,659.27	1/2	2,398.17	1/2	2,136.44	1/2	1,874.70
3/4		3/4		3/4		3/4	3,431.69	3/4	3,174.52	3/4	2,914.18	3/4	2,653.84	3/4	2,392.72	3/4	2,130.98	3/4	1,869.25
2		2		2		2	3,427.27	2	3,169.09	2	2,908.76	2	2,648.42	2	2,387.27	2	2,125.53	2	1,863.80
1/4		1/4		1/4		1/4	3,421.99	1/4	3,163.67	1/4	2,903.33	1/4	2,642.99	1/4	2,381.81	1/4	2,120.08	1/4	1,858.34
1/2		1/2		1/2		1/2	3,416.70	1/2	3,158.25	1/2	2,897.91	1/2	2,637.57	1/2	2,376.36	1/2	2,114.63	1/2	1,852.89
3/4		3/4		3/4		3/4	3,411.42	3/4	3,152.82	3/4	2,892.48	3/4	2,632.15	3/4	2,370.91	3/4	2,109.17	3/4	1,847.44
3		3		3		3	3,406.13	3	3,147.40	3	2,887.06	3	2,626.72	3	2,365.45	3	2,103.72	3	1,841.99
1/4		1/4		1/4		1/4	3,400.82	1/4	3,141.97	1/4	2,881.64	1/4	2,621.30	1/4	2,360.00	1/4	2,098.27	1/4	1,836.53
1/2		1/2		1/2		1/2	3,395.50	1/2	3,136.55	1/2	2,876.21	1/2	2,615.88	1/2	2,354.55	1/2	2,092.81	1/2	1,831.08
3/4		3/4		3/4		3/4	3,390.19	3/4	3,131.13	3/4	2,870.79	3/4	2,610.45	3/4	2,349.10	3/4	2,087.36	3/4	1,825.63
4		4		4		4	3,384.87	4	3,125.70	4	2,865.37	4	2,605.03	4	2,343.64	4	2,081.91	4	1,820.17
1/4		1/4		1/4		1/4	3,379.54	1/4	3,120.28	1/4	2,859.94	1/4	2,599.60	1/4	2,338.19	1/4	2,076.46	1/4	1,814.72
1/2		1/2		1/2		1/2	3,374.21	1/2	3,114.86	1/2	2,854.52	1/2	2,594.18	1/2	2,332.74	1/2	2,071.00	1/2	1,809.27
3/4		3/4		3/4		3/4	3,368.88	3/4	3,109.43	3/4	2,849.09	3/4	2,588.76	3/4	2,327.28	3/4	2,065.55	3/4	1,803.82
5		5		5		5	3,363.55	5	3,104.01	5	2,843.67	5	2,583.33	5	2,321.83	5	2,060.10	5	1,798.36
1/4		1/4		1/4		1/4	3,358.23	1/4	3,098.58	1/4	2,838.25	1/4	2,577.91	1/4	2,316.38	1/4	2,054.64	1/4	1,792.91
1/2		1/2		1/2		1/2	3,352.90	1/2	3,093.16	1/2	2,832.82	1/2	2,572.49	1/2	2,310.93	1/2	2,049.19	1/2	1,787.46
3/4		3/4		3/4		3/4	3,347.58	3/4	3,087.74	3/4	2,827.40	3/4	2,567.06	3/4	2,305.47	3/4	2,043.74	3/4	1,782.00
6		6		6		6	3,342.25	6	3,082.31	6	2,821.98	6	2,561.64	6	2,300.02	6	2,038.29	6	1,776.55
1/4		1/4		1/4		1/4	3,336.93	1/4	3,076.89	1/4	2,816.55	1/4	2,556.21	1/4	2,294.57	1/4	2,032.83	1/4	1,771.10
1/2		1/2		1/2		1/2	3,331.60	1/2	3,071.47	1/2	2,811.13	1/2	2,550.79	1/2	2,289.11	1/2	2,027.38	1/2	1,765.65
3/4		3/4		3/4		3/4	3,326.28	3/4	3,066.04	3/4	2,805.70	3/4	2,545.37	3/4	2,283.66	3/4	2,021.93	3/4	1,760.19
7		7		7		7	3,320.96	7	3,060.62	7	2,800.28	7	2,539.94	7	2,278.21	7	2,016.47	7	1,754.74
1/4		1/4		1/4		1/4	3,315.53	1/4	3,055.20	1/4	2,794.86	1/4	2,534.49	1/4	2,272.76	1/4	2,011.02	1/4	1,749.29
1/2		1/2		1/2		1/2	3,310.11	1/2	3,049.77	1/2	2,789.43	1/2	2,529.04	1/2	2,267.30	1/2	2,005.57	1/2	1,743.83
3/4		3/4		3/4		3/4	3,304.69	3/4	3,044.35	3/4	2,784.01	3/4	2,523.59	3/4	2,261.85	3/4	2,000.12	3/4	1,738.38
8		8		8		8	3,299.26	8	3,038.92	8	2,778.59	8	2,518.13	8	2,256.40	8	1,994.66	8	1,732.93
1/4		1/4		1/4		1/4	3,293.84	1/4	3,033.50	1/4	2,773.16	1/4	2,512.68	1/4	2,250.95	1/4	1,989.21	1/4	1,727.48
1/2		1/2		1/2		1/2	3,288.41	1/2	3,028.08	1/2	2,767.74	1/2	2,507.23	1/2	2,245.49	1/2	1,983.76	1/2	1,722.02
3/4		3/4		3/4		3/4	3,282.99	3/4	3,022.65	3/4	2,762.32	3/4	2,501.77	3/4	2,240.04	3/4	1,978.31	3/4	1,716.57
9		9		9		9	3,277.57	9	3,017.23	9	2,756.89	9	2,496.32	9	2,234.59	9	1,972.85	9	1,711.12
1/4		1/4		1/4		1/4	3,272.14	1/4	3,011.81	1/4	2,751.47	1/4	2,490.87	1/4	2,229.13	1/4	1,967.40	1/4	1,705.67
1/2		1/2		1/2		1/2	3,266.72	1/2	3,006.38	1/2	2,746.04	1/2	2,485.42	1/2	2,223.68	1/2	1,961.95	1/2	1,700.21
3/4		3/4		3/4		3/4	3,261.30	3/4	3,000.96	3/4	2,740.62	3/4	2,479.96	3/4	2,218.23	3/4	1,956.49	3/4	1,694.76
10		10		10		10	3,255.87	10	2,995.53	10	2,735.20	10	2,474.51	10	2,212.78	10	1,951.04	10	1,689.31
1/4		1/4		1/4		1/4	3,250.45	1/4	2,990.11	1/4	2,729.77	1/4	2,469.06	1/4	2,207.32	1/4	1,945.59	1/4	1,683.85
1/2		1/2		1/2		1/2	3,245.02	1/2	2,984.69	1/2	2,724.35	1/2	2,463.60	1/2	2,201.87	1/2	1,940.14	1/2	1,678.40
3/4		3/4		3/4		3/4	3,239.60	3/4	2,979.26	3/4	2,718.93	3/4	2,458.15	3/4	2,196.42	3/4	1,934.68	3/4	1,672.95
11		11		11	3,459.49	11	3,234.18	11	2,973.84	11	2,713.50	11	2,452.70	11	2,190.96	11	1,929.23	11	1,667.50
1/4		1/4		1/4	3,458.58	1/4	3,228.75	1/4	2,968.42	1/4	2,708.08	1/4	2,447.25	1/4	2,185.51	1/4	1,923.78	1/4	1,662.04
1/2		1/2		1/2	3,457.67	1/2	3,223.33	1/2	2,962.99	1/2	2,702.65	1/2	2,441.79	1/2	2,180.06	1/2	1,918.32	1/2	1,656.59
3/4		3/4		3/4	3,456.76	3/4	3,217.91	3/4	2,957.57	3/4	2,697.23	3/4	2,436.34	3/4	2,174.61	3/4	1,912.87	3/4	1,651.14

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 10541"

3 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	1,645.68	0	1,383.94	0	1,122.03	0	861.14	0	599.86	0	337.97	0	76.32	0		0		0	
1/4	1,640.23	1/4	1,378.48	1/4	1,116.57	1/4	855.72	1/4	594.40	1/4	332.52	1/4	70.93	1/4		1/4		1/4	
1/2	1,634.78	1/2	1,373.02	1/2	1,111.12	1/2	850.30	1/2	588.95	1/2	327.06	1/2	65.53	1/2		1/2		1/2	
3/4	1,629.33	3/4	1,367.57	3/4	1,105.66	3/4	844.88	3/4	583.49	3/4	321.61	3/4	60.14	3/4		3/4		3/4	
1	1,623.87	1	1,362.11	1	1,100.20	1	839.46	1	578.03	1	316.15	1	54.75	1		1		1	
1/4	1,618.42	1/4	1,356.65	1/4	1,094.75	1/4	834.04	1/4	572.58	1/4	310.69	1/4	49.40	1/4		1/4		1/4	
1/2	1,612.97	1/2	1,351.20	1/2	1,089.29	1/2	828.62	1/2	567.12	1/2	305.24	1/2	44.06	1/2		1/2		1/2	
3/4	1,607.51	3/4	1,345.74	3/4	1,083.83	3/4	823.20	3/4	561.67	3/4	299.78	3/4	38.72	3/4		3/4		3/4	
2	1,602.06	2	1,340.28	2	1,078.38	2	817.78	2	556.21	2	294.33	2	33.37	2		2		2	
1/4	1,596.61	1/4	1,334.83	1/4	1,072.92	1/4	812.37	1/4	550.75	1/4	288.87	1/4	28.83	1/4		1/4		1/4	
1/2	1,591.16	1/2	1,329.37	1/2	1,067.46	1/2	806.96	1/2	545.30	1/2	283.42	1/2	24.30	1/2		1/2		1/2	
3/4	1,585.70	3/4	1,323.92	3/4	1,062.01	3/4	801.54	3/4	539.84	3/4	277.96	3/4	19.76	3/4		3/4		3/4	
3	1,580.25	3	1,318.46	3	1,056.55	3	796.13	3	534.39	3	272.50	3	15.22	3		3		3	
1/4	1,574.80	1/4	1,313.00	1/4	1,051.10	1/4	790.68	1/4	528.93	1/4	267.05	1/4	12.49	1/4		1/4		1/4	
1/2	1,569.35	1/2	1,307.55	1/2	1,045.64	1/2	785.22	1/2	523.47	1/2	261.59	1/2	9.76	1/2		1/2		1/2	
3/4	1,563.89	3/4	1,302.09	3/4	1,040.18	3/4	779.77	3/4	518.02	3/4	256.14	3/4	7.04	3/4		3/4		3/4	
4	1,558.44	4	1,296.63	4	1,034.73	4	774.32	4	512.56	4	250.68	4	4.31	4		4		4	
1/4	1,552.99	1/4	1,291.18	1/4	1,029.27	1/4	768.87	1/4	507.11	1/4	245.22	1/4	3.40	1/4		1/4		1/4	
1/2	1,547.53	1/2	1,285.72	1/2	1,023.81	1/2	763.42	1/2	501.65	1/2	239.77	1/2	2.49	1/2		1/2		1/2	
3/4	1,542.08	3/4	1,280.26	3/4	1,018.36	3/4	757.97	3/4	496.20	3/4	234.31	3/4	1.58	3/4		3/4		3/4	
5	1,536.63	5	1,274.81	5	1,012.90	5	752.52	5	490.74	5	228.86	5	0.68	5		5		5	
1/4	1,531.18	1/4	1,269.35	1/4	1,007.48	1/4	747.07	1/4	485.28	1/4	223.40	1/4		1/4		1/4		1/4	
1/2	1,525.72	1/2	1,263.89	1/2	1,002.06	1/2	741.62	1/2	479.83	1/2	217.94	1/2		1/2		1/2		1/2	
3/4	1,520.27	3/4	1,258.44	3/4	996.64	3/4	736.17	3/4	474.37	3/4	212.49	3/4		3/4		3/4		3/4	
6	1,514.82	6	1,252.98	6	991.22	6	730.71	6	468.92	6	207.03	6		6		6		6	
1/4	1,509.36	1/4	1,247.53	1/4	985.80	1/4	725.26	1/4	463.46	1/4	201.58	1/4		1/4		1/4		1/4	
1/2	1,503.91	1/2	1,242.07	1/2	980.38	1/2	719.81	1/2	458.00	1/2	196.12	1/2		1/2		1/2		1/2	
3/4	1,498.46	3/4	1,236.61	3/4	974.96	3/4	714.36	3/4	452.55	3/4	190.66	3/4		3/4		3/4		3/4	
7	1,493.01	7	1,231.16	7	969.54	7	708.91	7	447.09	7	185.21	7		7		7		7	
1/4	1,487.55	1/4	1,225.70	1/4	964.12	1/4	703.46	1/4	441.64	1/4	179.75	1/4		1/4		1/4		1/4	
1/2	1,482.10	1/2	1,220.24	1/2	958.70	1/2	698.01	1/2	436.18	1/2	174.30	1/2		1/2		1/2		1/2	
3/4	1,476.65	3/4	1,214.79	3/4	953.28	3/4	692.56	3/4	430.72	3/4	168.84	3/4		3/4		3/4		3/4	
8	1,471.19	8	1,209.33	8	947.86	8	687.11	8	425.27	8	163.39	8		8		8		8	
1/4	1,465.74	1/4	1,203.87	1/4	942.44	1/4	681.66	1/4	419.81	1/4	157.93	1/4		1/4		1/4		1/4	
1/2	1,460.29	1/2	1,198.42	1/2	937.02	1/2	676.20	1/2	414.36	1/2	152.47	1/2		1/2		1/2		1/2	
3/4	1,454.84	3/4	1,192.96	3/4	931.60	3/4	670.75	3/4	408.90	3/4	147.02	3/4		3/4		3/4		3/4	
9	1,449.38	9	1,187.51	9	926.18	9	665.30	9	403.44	9	141.56	9		9		9		9	
1/4	1,443.93	1/4	1,182.05	1/4	920.76	1/4	659.85	1/4	397.99	1/4	136.11	1/4		1/4		1/4		1/4	
1/2	1,438.48	1/2	1,176.59	1/2	915.34	1/2	654.40	1/2	392.53	1/2	130.66	1/2		1/2		1/2		1/2	
3/4	1,433.03	3/4	1,171.14	3/4	909.92	3/4	648.95	3/4	387.08	3/4	125.21	3/4		3/4		3/4		3/4	
10	1,427.57	10	1,165.68	10	904.50	10	643.50	10	381.62	10	119.76	10		10		10		10	
1/4	1,422.12	1/4	1,160.22	1/4	899.08	1/4	638.05	1/4	376.17	1/4	114.32	1/4		1/4		1/4		1/4	
1/2	1,416.67	1/2	1,154.77	1/2	893.66	1/2	632.59	1/2	370.71	1/2	108.88	1/2		1/2		1/2		1/2	
3/4	1,411.21	3/4	1,149.31	3/4	888.24	3/4	627.14	3/4	365.25	3/4	103.44	3/4		3/4		3/4		3/4	
11	1,405.76	11	1,143.85	11	882.82	11	621.68	11	359.80	11	98.00	11		11		11		11	
1/4	1,400.30	1/4	1,138.40	1/4	877.40	1/4	616.22	1/4	354.34	1/4	92.58	1/4		1/4		1/4		1/4	
1/2	1,394.85	1/2	1,132.94	1/2	871.98	1/2	610.77	1/2	348.89	1/2	87.16	1/2		1/2		1/2		1/2	
3/4	1,389.39	3/4	1,127.48	3/4	866.56	3/4	605.31	3/4	343.43	3/4	81.74	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/18/2012 CL - SW
CALCULATED: 07/18/2012 CL
PRINTED: 07/19/2012 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2012

PRECISION MEASUREMENT
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