



# BARGE "KIRBY 11515"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 162'-09"

February 19, 2020

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

<http://www.pmacorp.net>



# BARGE "KIRBY 11515"

## 1 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-10"

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		0	3,661.25	0	3,413.84	0	3,166.64	0	2,918.27	0	2,645.77	0	2,373.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,656.10	1/4	3,408.68	1/4	3,161.49	1/4	2,912.59	1/4	2,640.09	1/4	2,367.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,650.94	1/2	3,403.53	1/2	3,156.34	1/2	2,906.92	1/2	2,634.41	1/2	2,361.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,645.79	3/4	3,398.37	3/4	3,151.19	3/4	2,901.24	3/4	2,628.74	3/4	2,356.13
1		1		1		1		1	3,640.64	1	3,393.22	1	3,146.03	1	2,895.56	1	2,623.06	1	2,350.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,635.48	1/4	3,388.06	1/4	3,140.88	1/4	2,889.89	1/4	2,617.38	1/4	2,344.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,630.33	1/2	3,382.91	1/2	3,135.73	1/2	2,884.21	1/2	2,611.70	1/2	2,339.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,625.18	3/4	3,377.75	3/4	3,130.58	3/4	2,878.53	3/4	2,606.03	3/4	2,333.41
2		2		2		2		2	3,844.90	2	3,620.02	2	3,372.60	2	3,125.42	2	2,872.85	2	2,600.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,843.13	1/4	3,614.87	1/4	3,367.45	1/4	3,120.27	1/4	2,867.18	1/4	2,594.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,841.37	1/2	3,609.71	1/2	3,362.30	1/2	3,115.12	1/2	2,861.50	1/2	2,588.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,839.61	3/4	3,604.56	3/4	3,357.14	3/4	3,109.96	3/4	2,855.82	3/4	2,583.31
3		3		3		3		3	3,837.85	3	3,599.40	3	3,351.99	3	3,104.81	3	2,850.15	3	2,577.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,834.46	1/4	3,594.25	1/4	3,346.85	1/4	3,099.66	1/4	2,844.47	1/4	2,571.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,831.07	1/2	3,589.10	1/2	3,341.70	1/2	3,094.51	1/2	2,838.79	1/2	2,566.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,827.68	3/4	3,583.94	3/4	3,336.55	3/4	3,089.35	3/4	2,833.11	3/4	2,560.59
4		4		4		4		4	3,824.29	4	3,578.79	4	3,331.40	4	3,084.20	4	2,827.44	4	2,554.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,819.61	1/4	3,573.63	1/4	3,326.25	1/4	3,079.05	1/4	2,821.76	1/4	2,549.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,814.93	1/2	3,568.48	1/2	3,321.11	1/2	3,073.90	1/2	2,816.08	1/2	2,543.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,810.26	3/4	3,563.32	3/4	3,315.96	3/4	3,068.74	3/4	2,810.41	3/4	2,537.87
5		5		5		5		5	3,805.58	5	3,558.17	5	3,310.81	5	3,063.59	5	2,804.73	5	2,532.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,800.42	1/4	3,553.01	1/4	3,305.66	1/4	3,058.44	1/4	2,799.05	1/4	2,526.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,795.27	1/2	3,547.86	1/2	3,300.51	1/2	3,053.29	1/2	2,793.37	1/2	2,520.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,790.11	3/4	3,542.70	3/4	3,295.37	3/4	3,048.13	3/4	2,787.70	3/4	2,515.16
6		6		6		6		6	3,784.96	6	3,537.55	6	3,290.22	6	3,042.98	6	2,782.02	6	2,509.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,779.81	1/4	3,532.39	1/4	3,285.07	1/4	3,037.83	1/4	2,776.34	1/4	2,503.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,774.65	1/2	3,527.24	1/2	3,279.92	1/2	3,032.68	1/2	2,770.67	1/2	2,498.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,769.50	3/4	3,522.08	3/4	3,274.78	3/4	3,027.52	3/4	2,764.99	3/4	2,492.44
7		7		7		7		7	3,764.34	7	3,516.93	7	3,269.63	7	3,022.37	7	2,759.31	7	2,486.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,759.19	1/4	3,511.78	1/4	3,264.48	1/4	3,017.22	1/4	2,753.64	1/4	2,481.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,754.03	1/2	3,506.62	1/2	3,259.33	1/2	3,012.07	1/2	2,747.96	1/2	2,475.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,748.88	3/4	3,501.47	3/4	3,254.18	3/4	3,006.91	3/4	2,742.28	3/4	2,469.72
8		8		8		8		8	3,743.72	8	3,496.31	8	3,249.04	8	3,001.76	8	2,736.60	8	2,464.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,738.57	1/4	3,491.16	1/4	3,243.89	1/4	2,996.61	1/4	2,730.93	1/4	2,458.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,733.41	1/2	3,486.00	1/2	3,238.74	1/2	2,991.45	1/2	2,725.25	1/2	2,452.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,728.26	3/4	3,480.85	3/4	3,233.59	3/4	2,986.30	3/4	2,719.57	3/4	2,447.00
9		9		9		9		9	3,723.10	9	3,475.69	9	3,228.44	9	2,981.15	9	2,713.90	9	2,441.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,717.95	1/4	3,470.54	1/4	3,223.30	1/4	2,976.00	1/4	2,708.22	1/4	2,435.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,712.80	1/2	3,465.38	1/2	3,218.15	1/2	2,970.84	1/2	2,702.54	1/2	2,429.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,707.64	3/4	3,460.23	3/4	3,213.00	3/4	2,965.69	3/4	2,696.86	3/4	2,424.28
10		10		10		10		10	3,702.49	10	3,455.07	10	3,207.85	10	2,960.54	10	2,691.19	10	2,418.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,697.33	1/4	3,449.92	1/4	3,202.70	1/4	2,955.39	1/4	2,685.51	1/4	2,412.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,692.18	1/2	3,444.76	1/2	3,197.55	1/2	2,950.23	1/2	2,679.83	1/2	2,407.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,687.02	3/4	3,439.61	3/4	3,192.40	3/4	2,945.08	3/4	2,674.16	3/4	2,401.57
11		11		11		11		11	3,681.87	11	3,434.45	11	3,187.25	11	2,939.93	11	2,668.48	11	2,395.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,676.71	1/4	3,429.30	1/4	3,182.10	1/4	2,934.51	1/4	2,662.80	1/4	2,390.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,671.56	1/2	3,424.15	1/2	3,176.95	1/2	2,929.10	1/2	2,657.12	1/2	2,384.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,666.41	3/4	3,418.99	3/4	3,171.80	3/4	2,923.69	3/4	2,651.45	3/4	2,378.85

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 1'-00" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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# BARGE "KIRBY 11515"

## 1 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,101.24	0	1,829.04	0	1,556.48	0	1,283.91	0	1,011.35	0	742.12	0	471.27	0	198.20	0		0	
1/4	2,095.59	1/4	1,823.36	1/4	1,550.80	1/4	1,278.23	1/4	1,005.67	1/4	736.57	1/4	465.59	1/4	192.51	1/4		1/4	
1/2	2,089.93	1/2	1,817.68	1/2	1,545.12	1/2	1,272.56	1/2	999.99	1/2	731.02	1/2	459.91	1/2	186.82	1/2		1/2	
3/4	2,084.28	3/4	1,812.00	3/4	1,539.44	3/4	1,266.88	3/4	994.31	3/4	725.47	3/4	454.22	3/4	181.12	3/4		3/4	
1	2,078.63	1	1,806.33	1	1,533.76	1	1,261.20	1	988.64	1	719.92	1	448.54	1	175.43	1		1	
1/4	2,072.97	1/4	1,800.65	1/4	1,528.08	1/4	1,255.52	1/4	982.96	1/4	714.37	1/4	442.86	1/4	169.74	1/4		1/4	
1/2	2,067.32	1/2	1,794.97	1/2	1,522.41	1/2	1,249.84	1/2	977.28	1/2	708.82	1/2	437.18	1/2	164.05	1/2		1/2	
3/4	2,061.67	3/4	1,789.29	3/4	1,516.73	3/4	1,244.16	3/4	971.60	3/4	703.27	3/4	431.50	3/4	158.35	3/4		3/4	
2	2,056.01	2	1,783.61	2	1,511.05	2	1,238.49	2	965.92	2	697.72	2	425.82	2	152.66	2		2	
1/4	2,050.36	1/4	1,777.93	1/4	1,505.37	1/4	1,232.81	1/4	960.24	1/4	692.17	1/4	420.14	1/4	146.97	1/4		1/4	
1/2	2,044.71	1/2	1,772.26	1/2	1,499.69	1/2	1,227.13	1/2	954.57	1/2	686.62	1/2	414.46	1/2	141.27	1/2		1/2	
3/4	2,039.05	3/4	1,766.58	3/4	1,494.01	3/4	1,221.45	3/4	948.89	3/4	681.07	3/4	408.77	3/4	135.58	3/4		3/4	
3	2,033.40	3	1,760.90	3	1,488.34	3	1,215.77	3	943.21	3	675.52	3	403.09	3	129.89	3		3	
1/4	2,027.74	1/4	1,755.22	1/4	1,482.66	1/4	1,210.09	1/4	937.53	1/4	669.90	1/4	397.41	1/4	124.20	1/4		1/4	
1/2	2,022.08	1/2	1,749.54	1/2	1,476.98	1/2	1,204.42	1/2	931.85	1/2	664.29	1/2	391.73	1/2	118.50	1/2		1/2	
3/4	2,016.41	3/4	1,743.86	3/4	1,471.30	3/4	1,198.74	3/4	926.17	3/4	658.67	3/4	386.04	3/4	112.81	3/4		3/4	
4	2,010.75	4	1,738.19	4	1,465.62	4	1,193.06	4	920.50	4	653.06	4	380.36	4	107.12	4		4	
1/4	2,005.07	1/4	1,732.51	1/4	1,459.94	1/4	1,187.38	1/4	914.82	1/4	647.38	1/4	374.67	1/4	101.42	1/4		1/4	
1/2	1,999.39	1/2	1,726.83	1/2	1,454.27	1/2	1,181.70	1/2	909.14	1/2	641.70	1/2	368.98	1/2	95.73	1/2		1/2	
3/4	1,993.71	3/4	1,721.15	3/4	1,448.59	3/4	1,176.02	3/4	903.46	3/4	636.02	3/4	363.29	3/4	90.04	3/4		3/4	
5	1,988.03	5	1,715.47	5	1,442.91	5	1,170.35	5	897.78	5	630.34	5	357.60	5	84.35	5		5	
1/4	1,982.36	1/4	1,709.79	1/4	1,437.23	1/4	1,164.67	1/4	892.17	1/4	624.66	1/4	351.91	1/4	78.65	1/4		1/4	
1/2	1,976.68	1/2	1,704.11	1/2	1,431.55	1/2	1,158.99	1/2	886.55	1/2	618.98	1/2	346.22	1/2	72.96	1/2		1/2	
3/4	1,971.00	3/4	1,698.44	3/4	1,425.87	3/4	1,153.31	3/4	880.94	3/4	613.30	3/4	340.53	3/4	67.27	3/4		3/4	
6	1,965.32	6	1,692.76	6	1,420.19	6	1,147.63	6	875.32	6	607.62	6	334.83	6	61.57	6		6	
1/4	1,959.64	1/4	1,687.08	1/4	1,414.52	1/4	1,141.95	1/4	869.77	1/4	601.93	1/4	329.14	1/4	55.88	1/4		1/4	
1/2	1,953.96	1/2	1,681.40	1/2	1,408.84	1/2	1,136.27	1/2	864.22	1/2	596.25	1/2	323.45	1/2	50.19	1/2		1/2	
3/4	1,948.29	3/4	1,675.72	3/4	1,403.16	3/4	1,130.60	3/4	858.67	3/4	590.57	3/4	317.75	3/4	44.49	3/4		3/4	
7	1,942.61	7	1,670.04	7	1,397.48	7	1,124.92	7	853.12	7	584.89	7	312.06	7	38.80	7		7	
1/4	1,936.93	1/4	1,664.37	1/4	1,391.80	1/4	1,119.24	1/4	847.57	1/4	579.21	1/4	306.37	1/4	33.69	1/4		1/4	
1/2	1,931.25	1/2	1,658.69	1/2	1,386.12	1/2	1,113.56	1/2	842.02	1/2	573.53	1/2	300.68	1/2	28.57	1/2		1/2	
3/4	1,925.57	3/4	1,653.01	3/4	1,380.45	3/4	1,107.88	3/4	836.47	3/4	567.85	3/4	294.98	3/4	23.45	3/4		3/4	
8	1,919.89	8	1,647.33	8	1,374.77	8	1,102.20	8	830.92	8	562.17	8	289.29	8	18.34	8		8	
1/4	1,914.22	1/4	1,641.65	1/4	1,369.09	1/4	1,096.53	1/4	825.37	1/4	556.49	1/4	283.60	1/4	14.95	1/4		1/4	
1/2	1,908.54	1/2	1,635.97	1/2	1,363.41	1/2	1,090.85	1/2	819.82	1/2	550.81	1/2	277.90	1/2	11.57	1/2		1/2	
3/4	1,902.86	3/4	1,630.30	3/4	1,357.73	3/4	1,085.17	3/4	814.27	3/4	545.12	3/4	272.21	3/4	8.18	3/4		3/4	
9	1,897.18	9	1,624.62	9	1,352.05	9	1,079.49	9	808.72	9	539.44	9	266.52	9	4.79	9		9	
1/4	1,891.50	1/4	1,618.94	1/4	1,346.38	1/4	1,073.81	1/4	803.17	1/4	533.76	1/4	260.83	1/4	3.71	1/4		1/4	
1/2	1,885.82	1/2	1,613.26	1/2	1,340.70	1/2	1,068.13	1/2	797.62	1/2	528.08	1/2	255.13	1/2	2.63	1/2		1/2	
3/4	1,880.15	3/4	1,607.58	3/4	1,335.02	3/4	1,062.46	3/4	792.07	3/4	522.40	3/4	249.44	3/4	1.56	3/4		3/4	
10	1,874.47	10	1,601.90	10	1,329.34	10	1,056.78	10	786.52	10	516.72	10	243.75	10	0.48	10		10	
1/4	1,868.79	1/4	1,596.23	1/4	1,323.66	1/4	1,051.10	1/4	780.97	1/4	511.04	1/4	238.05	1/4		1/4		1/4	
1/2	1,863.11	1/2	1,590.55	1/2	1,317.98	1/2	1,045.42	1/2	775.42	1/2	505.36	1/2	232.36	1/2		1/2		1/2	
3/4	1,857.43	3/4	1,584.87	3/4	1,312.31	3/4	1,039.74	3/4	769.87	3/4	499.67	3/4	226.67	3/4		3/4		3/4	
11	1,851.75	11	1,579.19	11	1,306.63	11	1,034.06	11	764.32	11	493.99	11	220.97	11		11		11	
1/4	1,846.07	1/4	1,573.51	1/4	1,300.95	1/4	1,028.39	1/4	758.77	1/4	488.31	1/4	215.28	1/4		1/4		1/4	
1/2	1,840.40	1/2	1,567.83	1/2	1,295.27	1/2	1,022.71	1/2	753.22	1/2	482.63	1/2	209.59	1/2		1/2		1/2	
3/4	1,834.72	3/4	1,562.15	3/4	1,289.59	3/4	1,017.03	3/4	747.67	3/4	476.95	3/4	203.90	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/13/2005 CL - SW  
CALCULATED: 07/14/2005 CL  
PRINTED: 07/14/2005 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2005

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 11515"

## 2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-10"

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		0	3,419.86	0	3,170.74	0	2,921.62	0	2,672.50	0	2,423.38	0	2,174.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,414.67	1/4	3,165.55	1/4	2,916.43	1/4	2,667.31	1/4	2,418.19	1/4	2,169.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,409.48	1/2	3,160.36	1/2	2,911.24	1/2	2,662.12	1/2	2,413.00	1/2	2,163.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,404.29	3/4	3,155.17	3/4	2,906.05	3/4	2,656.93	3/4	2,407.81	3/4	2,158.69
1		1		1		1		1	3,399.10	1	3,149.98	1	2,900.86	1	2,651.74	1	2,402.62	1	2,153.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,393.91	1/4	3,144.79	1/4	2,895.67	1/4	2,646.55	1/4	2,397.43	1/4	2,148.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,388.72	1/2	3,139.60	1/2	2,890.48	1/2	2,641.36	1/2	2,392.24	1/2	2,143.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,383.53	3/4	3,134.41	3/4	2,885.29	3/4	2,636.17	3/4	2,387.05	3/4	2,137.93
2		2		2		2		2	3,604.96	2	3,378.34	2	3,129.22	2	2,880.10	2	2,630.98	2	2,381.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,603.23	1/4	3,373.15	1/4	3,124.03	1/4	2,874.91	1/4	2,625.79	1/4	2,376.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,601.50	1/2	3,367.96	1/2	3,118.84	1/2	2,869.72	1/2	2,620.60	1/2	2,371.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,599.77	3/4	3,362.77	3/4	3,113.65	3/4	2,864.53	3/4	2,615.41	3/4	2,366.29
3		3		3		3		3	3,598.04	3	3,357.58	3	3,108.46	3	2,859.34	3	2,610.22	3	2,361.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,594.58	1/4	3,352.39	1/4	3,103.27	1/4	2,854.15	1/4	2,605.03	1/4	2,355.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,591.12	1/2	3,347.20	1/2	3,098.08	1/2	2,848.96	1/2	2,599.84	1/2	2,350.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,587.65	3/4	3,342.01	3/4	3,092.89	3/4	2,843.77	3/4	2,594.65	3/4	2,345.53
4		4		4		4		4	3,584.19	4	3,336.82	4	3,087.70	4	2,838.58	4	2,589.46	4	2,340.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,579.44	1/4	3,331.63	1/4	3,082.51	1/4	2,833.39	1/4	2,584.27	1/4	2,335.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,574.68	1/2	3,326.44	1/2	3,077.32	1/2	2,828.20	1/2	2,579.08	1/2	2,329.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,569.93	3/4	3,321.25	3/4	3,072.13	3/4	2,823.01	3/4	2,573.89	3/4	2,324.77
5		5		5		5		5	3,565.18	5	3,316.06	5	3,066.94	5	2,817.82	5	2,568.70	5	2,319.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,559.99	1/4	3,310.87	1/4	3,061.75	1/4	2,812.63	1/4	2,563.51	1/4	2,314.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,554.80	1/2	3,305.68	1/2	3,056.56	1/2	2,807.44	1/2	2,558.32	1/2	2,309.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,549.61	3/4	3,300.49	3/4	3,051.37	3/4	2,802.25	3/4	2,553.13	3/4	2,304.01
6		6		6		6		6	3,544.42	6	3,295.30	6	3,046.18	6	2,797.06	6	2,547.94	6	2,298.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,539.23	1/4	3,290.11	1/4	3,040.99	1/4	2,791.87	1/4	2,542.75	1/4	2,293.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,534.04	1/2	3,284.92	1/2	3,035.80	1/2	2,786.68	1/2	2,537.56	1/2	2,288.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,528.85	3/4	3,279.73	3/4	3,030.61	3/4	2,781.49	3/4	2,532.37	3/4	2,283.25
7		7		7		7		7	3,523.66	7	3,274.54	7	3,025.42	7	2,776.30	7	2,527.18	7	2,278.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,518.47	1/4	3,269.35	1/4	3,020.23	1/4	2,771.11	1/4	2,521.99	1/4	2,272.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,513.28	1/2	3,264.16	1/2	3,015.04	1/2	2,765.92	1/2	2,516.80	1/2	2,267.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,508.09	3/4	3,258.97	3/4	3,009.85	3/4	2,760.73	3/4	2,511.61	3/4	2,262.49
8		8		8		8		8	3,502.90	8	3,253.78	8	3,004.66	8	2,755.54	8	2,506.42	8	2,257.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,497.71	1/4	3,248.59	1/4	2,999.47	1/4	2,750.35	1/4	2,501.23	1/4	2,252.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,492.52	1/2	3,243.40	1/2	2,994.28	1/2	2,745.16	1/2	2,496.04	1/2	2,246.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,487.33	3/4	3,238.21	3/4	2,989.09	3/4	2,739.97	3/4	2,490.85	3/4	2,241.73
9		9		9		9		9	3,482.14	9	3,233.02	9	2,983.90	9	2,734.78	9	2,485.66	9	2,236.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,476.95	1/4	3,227.83	1/4	2,978.71	1/4	2,729.59	1/4	2,480.47	1/4	2,231.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,471.76	1/2	3,222.64	1/2	2,973.52	1/2	2,724.40	1/2	2,475.28	1/2	2,226.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,466.57	3/4	3,217.45	3/4	2,968.33	3/4	2,719.21	3/4	2,470.09	3/4	2,220.97
10		10		10		10		10	3,461.38	10	3,212.26	10	2,963.14	10	2,714.02	10	2,464.90	10	2,215.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,456.19	1/4	3,207.07	1/4	2,957.95	1/4	2,708.83	1/4	2,459.71	1/4	2,210.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,451.00	1/2	3,201.88	1/2	2,952.76	1/2	2,703.64	1/2	2,454.52	1/2	2,205.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,445.81	3/4	3,196.69	3/4	2,947.57	3/4	2,698.45	3/4	2,449.33	3/4	2,200.21
11		11		11		11		11	3,440.62	11	3,191.50	11	2,942.38	11	2,693.26	11	2,444.14	11	2,195.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,435.43	1/4	3,186.31	1/4	2,937.19	1/4	2,688.07	1/4	2,438.95	1/4	2,189.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,430.24	1/2	3,181.12	1/2	2,932.00	1/2	2,682.88	1/2	2,433.76	1/2	2,184.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,425.05	3/4	3,175.93	3/4	2,926.81	3/4	2,677.69	3/4	2,428.57	3/4	2,179.45

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
GAUGE POINT: (HERMETIC) LOCATED 1'-00" OFF CENTERLINE AND 29'-01" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 11515"

## 2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-10"

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	1,925.14	0	1,676.02	0	1,426.90	0	1,177.78	0	928.66	0	683.49	0	436.54	0	187.44	0		0	
1/4	1,919.95	1/4	1,670.83	1/4	1,421.71	1/4	1,172.59	1/4	923.47	1/4	678.45	1/4	431.35	1/4	182.25	1/4		1/4	
1/2	1,914.76	1/2	1,665.64	1/2	1,416.52	1/2	1,167.40	1/2	918.28	1/2	673.41	1/2	426.16	1/2	177.06	1/2		1/2	
3/4	1,909.57	3/4	1,660.45	3/4	1,411.33	3/4	1,162.21	3/4	913.09	3/4	668.38	3/4	420.97	3/4	171.87	3/4		3/4	
1	1,904.38	1	1,655.26	1	1,406.14	1	1,157.02	1	907.90	1	663.34	1	415.78	1	166.68	1		1	
1/4	1,899.19	1/4	1,650.07	1/4	1,400.95	1/4	1,151.83	1/4	902.71	1/4	658.30	1/4	410.59	1/4	161.49	1/4		1/4	
1/2	1,894.00	1/2	1,644.88	1/2	1,395.76	1/2	1,146.64	1/2	897.52	1/2	653.26	1/2	405.40	1/2	156.30	1/2		1/2	
3/4	1,888.81	3/4	1,639.69	3/4	1,390.57	3/4	1,141.45	3/4	892.33	3/4	648.23	3/4	400.21	3/4	151.11	3/4		3/4	
2	1,883.62	2	1,634.50	2	1,385.38	2	1,136.26	2	887.14	2	643.19	2	395.02	2	145.92	2		2	
1/4	1,878.43	1/4	1,629.31	1/4	1,380.19	1/4	1,131.07	1/4	881.95	1/4	638.15	1/4	389.83	1/4	140.73	1/4		1/4	
1/2	1,873.24	1/2	1,624.12	1/2	1,375.00	1/2	1,125.88	1/2	876.76	1/2	633.11	1/2	384.64	1/2	135.54	1/2		1/2	
3/4	1,868.05	3/4	1,618.93	3/4	1,369.81	3/4	1,120.69	3/4	871.57	3/4	628.08	3/4	379.45	3/4	130.36	3/4		3/4	
3	1,862.86	3	1,613.74	3	1,364.62	3	1,115.50	3	866.38	3	623.04	3	374.26	3	125.17	3		3	
1/4	1,857.67	1/4	1,608.55	1/4	1,359.43	1/4	1,110.31	1/4	861.19	1/4	617.93	1/4	369.07	1/4	119.98	1/4		1/4	
1/2	1,852.48	1/2	1,603.36	1/2	1,354.24	1/2	1,105.12	1/2	856.00	1/2	612.81	1/2	363.88	1/2	114.79	1/2		1/2	
3/4	1,847.29	3/4	1,598.17	3/4	1,349.05	3/4	1,099.93	3/4	850.81	3/4	607.70	3/4	358.69	3/4	109.60	3/4		3/4	
4	1,842.10	4	1,592.98	4	1,343.86	4	1,094.74	4	845.62	4	602.59	4	353.50	4	104.41	4		4	
1/4	1,836.91	1/4	1,587.79	1/4	1,338.67	1/4	1,089.55	1/4	840.43	1/4	597.40	1/4	348.31	1/4	99.22	1/4		1/4	
1/2	1,831.72	1/2	1,582.60	1/2	1,333.48	1/2	1,084.36	1/2	835.24	1/2	592.21	1/2	343.12	1/2	94.03	1/2		1/2	
3/4	1,826.53	3/4	1,577.41	3/4	1,328.29	3/4	1,079.17	3/4	830.05	3/4	587.02	3/4	337.94	3/4	88.84	3/4		3/4	
5	1,821.34	5	1,572.22	5	1,323.10	5	1,073.98	5	824.86	5	581.83	5	332.75	5	83.65	5		5	
1/4	1,816.15	1/4	1,567.03	1/4	1,317.91	1/4	1,068.79	1/4	819.74	1/4	576.64	1/4	327.56	1/4	78.46	1/4		1/4	
1/2	1,810.96	1/2	1,561.84	1/2	1,312.72	1/2	1,063.60	1/2	814.63	1/2	571.46	1/2	322.37	1/2	73.27	1/2		1/2	
3/4	1,805.77	3/4	1,556.65	3/4	1,307.53	3/4	1,058.41	3/4	809.51	3/4	566.27	3/4	317.18	3/4	68.08	3/4		3/4	
6	1,800.58	6	1,551.46	6	1,302.34	6	1,053.22	6	804.40	6	561.08	6	311.99	6	62.89	6		6	
1/4	1,795.39	1/4	1,546.27	1/4	1,297.15	1/4	1,048.03	1/4	799.36	1/4	555.89	1/4	306.80	1/4	57.70	1/4		1/4	
1/2	1,790.20	1/2	1,541.08	1/2	1,291.96	1/2	1,042.84	1/2	794.32	1/2	550.70	1/2	301.61	1/2	52.51	1/2		1/2	
3/4	1,785.01	3/4	1,535.89	3/4	1,286.77	3/4	1,037.65	3/4	789.28	3/4	545.51	3/4	296.42	3/4	47.32	3/4		3/4	
7	1,779.82	7	1,530.70	7	1,281.58	7	1,032.46	7	784.24	7	540.33	7	291.23	7	42.13	7		7	
1/4	1,774.63	1/4	1,525.51	1/4	1,276.39	1/4	1,027.27	1/4	779.20	1/4	535.14	1/4	286.04	1/4	37.38	1/4		1/4	
1/2	1,769.44	1/2	1,520.32	1/2	1,271.20	1/2	1,022.08	1/2	774.17	1/2	529.95	1/2	280.85	1/2	32.62	1/2		1/2	
3/4	1,764.25	3/4	1,515.13	3/4	1,266.01	3/4	1,016.89	3/4	769.13	3/4	524.76	3/4	275.66	3/4	27.86	3/4		3/4	
8	1,759.06	8	1,509.94	8	1,260.82	8	1,011.70	8	764.09	8	519.57	8	270.47	8	23.11	8		8	
1/4	1,753.87	1/4	1,504.75	1/4	1,255.63	1/4	1,006.51	1/4	759.05	1/4	514.38	1/4	265.28	1/4	19.65	1/4		1/4	
1/2	1,748.68	1/2	1,499.56	1/2	1,250.44	1/2	1,001.32	1/2	754.01	1/2	509.19	1/2	260.09	1/2	16.19	1/2		1/2	
3/4	1,743.49	3/4	1,494.37	3/4	1,245.25	3/4	996.13	3/4	748.98	3/4	504.00	3/4	254.90	3/4	12.73	3/4		3/4	
9	1,738.30	9	1,489.18	9	1,240.06	9	990.94	9	743.94	9	498.81	9	249.71	9	9.27	9		9	
1/4	1,733.11	1/4	1,483.99	1/4	1,234.87	1/4	985.75	1/4	738.90	1/4	493.62	1/4	244.52	1/4	7.54	1/4		1/4	
1/2	1,727.92	1/2	1,478.80	1/2	1,229.68	1/2	980.56	1/2	733.86	1/2	488.43	1/2	239.33	1/2	5.81	1/2		1/2	
3/4	1,722.73	3/4	1,473.61	3/4	1,224.49	3/4	975.37	3/4	728.83	3/4	483.24	3/4	234.15	3/4	4.08	3/4		3/4	
10	1,717.54	10	1,468.42	10	1,219.30	10	970.18	10	723.79	10	478.05	10	228.96	10	2.35	10		10	
1/4	1,712.35	1/4	1,463.23	1/4	1,214.11	1/4	964.99	1/4	718.75	1/4	472.86	1/4	223.77	1/4		1/4		1/4	
1/2	1,707.16	1/2	1,458.04	1/2	1,208.92	1/2	959.80	1/2	713.71	1/2	467.67	1/2	218.58	1/2		1/2		1/2	
3/4	1,701.97	3/4	1,452.85	3/4	1,203.73	3/4	954.61	3/4	708.68	3/4	462.48	3/4	213.39	3/4		3/4		3/4	
11	1,696.78	11	1,447.66	11	1,198.54	11	949.42	11	703.64	11	457.29	11	208.20	11		11		11	
1/4	1,691.59	1/4	1,442.47	1/4	1,193.35	1/4	944.23	1/4	698.60	1/4	452.10	1/4	203.01	1/4		1/4		1/4	
1/2	1,686.40	1/2	1,437.28	1/2	1,188.16	1/2	939.04	1/2	693.56	1/2	446.91	1/2	197.82	1/2		1/2		1/2	
3/4	1,681.21	3/4	1,432.09	3/4	1,182.97	3/4	933.85	3/4	688.53	3/4	441.73	3/4	192.63	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/13/2005 CL - SW  
CALCULATED: 07/14/2005 CL  
PRINTED: 07/14/2005 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2005

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 11515"

## 3 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-10 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0		0		0		0		0	3,416.25	0	3,168.19	0	2,920.12	0	2,672.06	0	2,423.99	0	2,175.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,411.08	1/4	3,163.02	1/4	2,914.95	1/4	2,666.89	1/4	2,418.83	1/4	2,170.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,405.91	1/2	3,157.85	1/2	2,909.79	1/2	2,661.72	1/2	2,413.66	1/2	2,165.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,400.75	3/4	3,152.68	3/4	2,904.62	3/4	2,656.55	3/4	2,408.49	3/4	2,160.43
1		1		1		1		1	3,395.58	1	3,147.51	1	2,899.45	1	2,651.39	1	2,403.32	1	2,155.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,390.41	1/4	3,142.35	1/4	2,894.28	1/4	2,646.22	1/4	2,398.15	1/4	2,150.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,385.24	1/2	3,137.18	1/2	2,889.11	1/2	2,641.05	1/2	2,392.99	1/2	2,144.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,380.07	3/4	3,132.01	3/4	2,883.95	3/4	2,635.88	3/4	2,387.82	3/4	2,139.75
2		2		2		2		2	3,374.91	2	3,126.84	2	2,878.78	2	2,630.71	2	2,382.65	2	2,134.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,595.42	1/4	3,369.74	1/4	3,121.67	1/4	2,873.61	1/4	2,625.55	1/4	2,377.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,593.69	1/2	3,364.57	1/2	3,116.51	1/2	2,868.44	1/2	2,620.38	1/2	2,372.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,591.97	3/4	3,359.40	3/4	3,111.34	3/4	2,863.27	3/4	2,615.21	3/4	2,367.15
3		3		3		3		3	3,590.25	3	3,354.23	3	3,106.17	3	2,858.11	3	2,610.04	3	2,361.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,588.53	1/4	3,349.07	1/4	3,101.00	1/4	2,852.94	1/4	2,604.87	1/4	2,356.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,585.08	1/2	3,343.90	1/2	3,095.83	1/2	2,847.77	1/2	2,599.71	1/2	2,351.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,581.64	3/4	3,338.73	3/4	3,090.67	3/4	2,842.60	3/4	2,594.54	3/4	2,346.47
4		4		4		4		4	3,578.20	4	3,333.56	4	3,085.50	4	2,837.43	4	2,589.37	4	2,341.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,574.75	1/4	3,328.39	1/4	3,080.33	1/4	2,832.27	1/4	2,584.20	1/4	2,336.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,570.01	1/2	3,323.23	1/2	3,075.16	1/2	2,827.10	1/2	2,579.03	1/2	2,330.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,565.27	3/4	3,318.06	3/4	3,069.99	3/4	2,821.93	3/4	2,573.87	3/4	2,325.80
5		5		5		5		5	3,560.53	5	3,312.89	5	3,064.83	5	2,816.76	5	2,568.70	5	2,320.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,555.79	1/4	3,307.72	1/4	3,059.66	1/4	2,811.59	1/4	2,563.53	1/4	2,315.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,550.62	1/2	3,302.55	1/2	3,054.49	1/2	2,806.43	1/2	2,558.36	1/2	2,310.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,545.45	3/4	3,297.39	3/4	3,049.32	3/4	2,801.26	3/4	2,553.19	3/4	2,305.13
6		6		6		6		6	3,540.28	6	3,292.22	6	3,044.15	6	2,796.09	6	2,548.03	6	2,299.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,535.11	1/4	3,287.05	1/4	3,038.99	1/4	2,790.92	1/4	2,542.86	1/4	2,294.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,529.95	1/2	3,281.88	1/2	3,033.82	1/2	2,785.75	1/2	2,537.69	1/2	2,289.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,524.78	3/4	3,276.71	3/4	3,028.65	3/4	2,780.59	3/4	2,532.52	3/4	2,284.46
7		7		7		7		7	3,519.61	7	3,271.55	7	3,023.48	7	2,775.42	7	2,527.35	7	2,279.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,514.44	1/4	3,266.38	1/4	3,018.31	1/4	2,770.25	1/4	2,522.19	1/4	2,274.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,509.27	1/2	3,261.21	1/2	3,013.15	1/2	2,765.08	1/2	2,517.02	1/2	2,268.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,504.11	3/4	3,256.04	3/4	3,007.98	3/4	2,759.91	3/4	2,511.85	3/4	2,263.79
8		8		8		8		8	3,498.94	8	3,250.87	8	3,002.81	8	2,754.75	8	2,506.68	8	2,258.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,493.77	1/4	3,245.71	1/4	2,997.64	1/4	2,749.58	1/4	2,501.51	1/4	2,253.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,488.60	1/2	3,240.54	1/2	2,992.47	1/2	2,744.41	1/2	2,496.35	1/2	2,248.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,483.43	3/4	3,235.37	3/4	2,987.31	3/4	2,739.24	3/4	2,491.18	3/4	2,243.11
9		9		9		9		9	3,478.27	9	3,230.20	9	2,982.14	9	2,734.07	9	2,486.01	9	2,237.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,473.10	1/4	3,225.03	1/4	2,976.97	1/4	2,728.91	1/4	2,480.84	1/4	2,232.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,467.93	1/2	3,219.87	1/2	2,971.80	1/2	2,723.74	1/2	2,475.67	1/2	2,227.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,462.76	3/4	3,214.70	3/4	2,966.63	3/4	2,718.57	3/4	2,470.51	3/4	2,222.44
10		10		10		10		10	3,457.59	10	3,209.53	10	2,961.47	10	2,713.40	10	2,465.34	10	2,217.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,452.43	1/4	3,204.36	1/4	2,956.30	1/4	2,708.23	1/4	2,460.17	1/4	2,212.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,447.26	1/2	3,199.19	1/2	2,951.13	1/2	2,703.07	1/2	2,455.00	1/2	2,206.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,442.09	3/4	3,194.03	3/4	2,945.96	3/4	2,697.90	3/4	2,449.83	3/4	2,201.77
11		11		11		11		11	3,436.92	11	3,188.86	11	2,940.79	11	2,692.73	11	2,444.67	11	2,196.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,431.75	1/4	3,183.69	1/4	2,935.63	1/4	2,687.56	1/4	2,439.50	1/4	2,191.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,426.59	1/2	3,178.52	1/2	2,930.46	1/2	2,682.39	1/2	2,434.33	1/2	2,186.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,421.42	3/4	3,173.35	3/4	2,925.29	3/4	2,677.23	3/4	2,429.16	3/4	2,181.10

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 1'-00" OFF CENTERLINE AND 28'-10" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "KIRBY 11515"

## 3 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-10 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	1,927.87	0	1,679.80	0	1,431.74	0	1,183.67	0	935.61	0	687.79	0	439.88	0	191.83	0		0	
1/4	1,922.70	1/4	1,674.63	1/4	1,426.57	1/4	1,178.51	1/4	930.44	1/4	682.63	1/4	434.71	1/4	186.66	1/4		1/4	
1/2	1,917.53	1/2	1,669.47	1/2	1,421.40	1/2	1,173.34	1/2	925.27	1/2	677.47	1/2	429.54	1/2	181.49	1/2		1/2	
3/4	1,912.36	3/4	1,664.30	3/4	1,416.23	3/4	1,168.17	3/4	920.11	3/4	672.31	3/4	424.38	3/4	176.33	3/4		3/4	
1	1,907.19	1	1,659.13	1	1,411.07	1	1,163.00	1	914.94	1	667.15	1	419.21	1	171.16	1		1	
1/4	1,902.03	1/4	1,653.96	1/4	1,405.90	1/4	1,157.83	1/4	909.77	1/4	662.00	1/4	414.04	1/4	165.99	1/4		1/4	
1/2	1,896.86	1/2	1,648.79	1/2	1,400.73	1/2	1,152.67	1/2	904.60	1/2	656.84	1/2	408.87	1/2	160.82	1/2		1/2	
3/4	1,891.69	3/4	1,643.63	3/4	1,395.56	3/4	1,147.50	3/4	899.43	3/4	651.68	3/4	403.70	3/4	155.66	3/4		3/4	
2	1,886.52	2	1,638.46	2	1,390.39	2	1,142.33	2	894.27	2	646.52	2	398.54	2	150.49	2		2	
1/4	1,881.35	1/4	1,633.29	1/4	1,385.23	1/4	1,137.16	1/4	889.10	1/4	641.37	1/4	393.37	1/4	145.32	1/4		1/4	
1/2	1,876.19	1/2	1,628.12	1/2	1,380.06	1/2	1,131.99	1/2	883.93	1/2	636.21	1/2	388.20	1/2	140.15	1/2		1/2	
3/4	1,871.02	3/4	1,622.95	3/4	1,374.89	3/4	1,126.83	3/4	878.76	3/4	631.05	3/4	383.03	3/4	134.98	3/4		3/4	
3	1,865.85	3	1,617.79	3	1,369.72	3	1,121.66	3	873.59	3	625.89	3	377.87	3	129.82	3		3	
1/4	1,860.68	1/4	1,612.62	1/4	1,364.55	1/4	1,116.49	1/4	868.43	1/4	620.73	1/4	372.70	1/4	124.65	1/4		1/4	
1/2	1,855.51	1/2	1,607.45	1/2	1,359.39	1/2	1,111.32	1/2	863.26	1/2	615.57	1/2	367.53	1/2	119.48	1/2		1/2	
3/4	1,850.35	3/4	1,602.28	3/4	1,354.22	3/4	1,106.15	3/4	858.09	3/4	610.41	3/4	362.36	3/4	114.31	3/4		3/4	
4	1,845.18	4	1,597.11	4	1,349.05	4	1,100.99	4	852.92	4	605.25	4	357.20	4	109.15	4		4	
1/4	1,840.01	1/4	1,591.95	1/4	1,343.88	1/4	1,095.82	1/4	847.75	1/4	600.08	1/4	352.03	1/4	103.98	1/4		1/4	
1/2	1,834.84	1/2	1,586.78	1/2	1,338.71	1/2	1,090.65	1/2	842.59	1/2	594.92	1/2	346.86	1/2	98.81	1/2		1/2	
3/4	1,829.67	3/4	1,581.61	3/4	1,333.55	3/4	1,085.48	3/4	837.42	3/4	589.75	3/4	341.69	3/4	93.64	3/4		3/4	
5	1,824.51	5	1,576.44	5	1,328.38	5	1,080.31	5	832.25	5	584.58	5	336.52	5	88.48	5		5	
1/4	1,819.34	1/4	1,571.27	1/4	1,323.21	1/4	1,075.15	1/4	827.08	1/4	579.41	1/4	331.36	1/4	83.31	1/4		1/4	
1/2	1,814.17	1/2	1,566.11	1/2	1,318.04	1/2	1,069.98	1/2	821.92	1/2	574.25	1/2	326.19	1/2	78.14	1/2		1/2	
3/4	1,809.00	3/4	1,560.94	3/4	1,312.87	3/4	1,064.81	3/4	816.75	3/4	569.08	3/4	321.02	3/4	72.97	3/4		3/4	
6	1,803.83	6	1,555.77	6	1,307.71	6	1,059.64	6	811.59	6	563.91	6	315.85	6	67.80	6		6	
1/4	1,798.67	1/4	1,550.60	1/4	1,302.54	1/4	1,054.47	1/4	806.43	1/4	558.74	1/4	310.69	1/4	62.64	1/4		1/4	
1/2	1,793.50	1/2	1,545.43	1/2	1,297.37	1/2	1,049.31	1/2	801.27	1/2	553.57	1/2	305.52	1/2	57.47	1/2		1/2	
3/4	1,788.33	3/4	1,540.27	3/4	1,292.20	3/4	1,044.14	3/4	796.11	3/4	548.40	3/4	300.35	3/4	52.30	3/4		3/4	
7	1,783.16	7	1,535.10	7	1,287.03	7	1,038.97	7	790.95	7	543.23	7	295.18	7	47.13	7		7	
1/4	1,777.99	1/4	1,529.93	1/4	1,281.87	1/4	1,033.80	1/4	785.79	1/4	538.07	1/4	290.02	1/4	41.97	1/4		1/4	
1/2	1,772.83	1/2	1,524.76	1/2	1,276.70	1/2	1,028.63	1/2	780.63	1/2	532.90	1/2	284.85	1/2	37.23	1/2		1/2	
3/4	1,767.66	3/4	1,519.59	3/4	1,271.53	3/4	1,023.47	3/4	775.47	3/4	527.73	3/4	279.68	3/4	32.49	3/4		3/4	
8	1,762.49	8	1,514.43	8	1,266.36	8	1,018.30	8	770.31	8	522.56	8	274.51	8	27.75	8		8	
1/4	1,757.32	1/4	1,509.26	1/4	1,261.19	1/4	1,013.13	1/4	765.16	1/4	517.39	1/4	269.34	1/4	23.02	1/4		1/4	
1/2	1,752.15	1/2	1,504.09	1/2	1,256.03	1/2	1,007.96	1/2	760.00	1/2	512.23	1/2	264.18	1/2	19.57	1/2		1/2	
3/4	1,746.99	3/4	1,498.92	3/4	1,250.86	3/4	1,002.79	3/4	754.84	3/4	507.06	3/4	259.01	3/4	16.13	3/4		3/4	
9	1,741.82	9	1,493.75	9	1,245.69	9	997.63	9	749.68	9	501.89	9	253.84	9	12.68	9		9	
1/4	1,736.65	1/4	1,488.59	1/4	1,240.52	1/4	992.46	1/4	744.52	1/4	496.72	1/4	248.67	1/4	9.24	1/4		1/4	
1/2	1,731.48	1/2	1,483.42	1/2	1,235.35	1/2	987.29	1/2	739.37	1/2	491.56	1/2	243.51	1/2	7.51	1/2		1/2	
3/4	1,726.31	3/4	1,478.25	3/4	1,230.19	3/4	982.12	3/4	734.21	3/4	486.39	3/4	238.34	3/4	5.79	3/4		3/4	
10	1,721.15	10	1,473.08	10	1,225.02	10	976.95	10	729.05	10	481.22	10	233.17	10	4.07	10		10	
1/4	1,715.98	1/4	1,467.91	1/4	1,219.85	1/4	971.79	1/4	723.89	1/4	476.05	1/4	228.00	1/4	2.35	1/4		1/4	
1/2	1,710.81	1/2	1,462.75	1/2	1,214.68	1/2	966.62	1/2	718.73	1/2	470.88	1/2	222.84	1/2		1/2		1/2	
3/4	1,705.64	3/4	1,457.58	3/4	1,209.51	3/4	961.45	3/4	713.58	3/4	465.72	3/4	217.67	3/4		3/4		3/4	
11	1,700.47	11	1,452.41	11	1,204.35	11	956.28	11	708.42	11	460.55	11	212.50	11		11		11	
1/4	1,695.31	1/4	1,447.24	1/4	1,199.18	1/4	951.11	1/4	703.26	1/4	455.38	1/4	207.33	1/4		1/4		1/4	
1/2	1,690.14	1/2	1,442.07	1/2	1,194.01	1/2	945.95	1/2	698.10	1/2	450.21	1/2	202.16	1/2		1/2		1/2	
3/4	1,684.97	3/4	1,436.91	3/4	1,188.84	3/4	940.78	3/4	692.94	3/4	445.05	3/4	197.00	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/13/2005 CL - SW  
CALCULATED: 07/14/2005 CL  
PRINTED: 07/14/2005 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2005

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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