



KIRBY 11524



Barge Strapping Tables





BARGE "KIRBY 11524"

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	- 00-1/8	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
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

$$\begin{aligned}
 \text{FWD. DRAFT} &= 2'-00" \\
 \text{AFT DRAFT} &= 4'-00" \\
 \text{DIFF.} &= 2'-00" \quad (\text{DOWN BY STERN})
 \end{aligned}$$

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"

September 29, 2005

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

<http://www.pmacorp.net>



BARGE "KIRBY 11524"

1 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-09"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,078.00	0	1,805.78	0	1,533.30	0	1,260.82	0	988.34	0	719.70	0	448.41	0	175.38	0			
1/4	2,072.35	1/4	1,800.11	1/4	1,527.62	1/4	1,255.14	1/4	982.66	1/4	714.15	1/4	442.73	1/4	169.69	1/4			
1/2	2,066.69	1/2	1,794.43	1/2	1,521.95	1/2	1,249.47	1/2	976.98	1/2	708.60	1/2	437.05	1/2	164.00	1/2			
3/4	2,061.04	3/4	1,788.75	3/4	1,516.27	3/4	1,243.79	3/4	971.31	3/4	702.93	3/4	431.37	3/4	158.31	3/4			
1	2,055.39	1	1,783.08	1	1,510.59	1	1,238.11	1	965.63	1	697.16	1	425.69	1	152.61	1			
1/4	2,049.74	1/4	1,777.40	1/4	1,504.92	1/4	1,232.44	1/4	959.95	1/4	691.49	1/4	420.01	1/4	146.92	1/4			
1/2	2,044.09	1/2	1,771.72	1/2	1,499.24	1/2	1,226.76	1/2	954.28	1/2	685.81	1/2	414.33	1/2	141.23	1/2			
3/4	2,038.44	3/4	1,766.05	3/4	1,493.56	3/4	1,221.08	3/4	948.60	3/4	680.13	3/4	408.65	3/4	135.54	3/4			
2	2,032.79	2	1,760.37	2	1,487.89	2	1,215.41	2	942.92	2	674.45	2	402.97	2	129.86	2			
1/4	2,027.12	1/4	1,754.69	1/4	1,482.21	1/4	1,209.73	1/4	937.25	1/4	668.77	1/4	397.29	1/4	124.16	1/4			
1/2	2,021.46	1/2	1,749.01	1/2	1,476.53	1/2	1,204.05	1/2	931.57	1/2	663.09	1/2	391.61	1/2	118.47	1/2			
3/4	2,015.80	3/4	1,743.34	3/4	1,470.86	3/4	1,198.38	3/4	925.89	3/4	657.41	3/4	385.93	3/4	112.78	3/4			
3	2,010.14	3	1,737.66	3	1,465.18	3	1,192.70	3	920.22	3	651.73	3	380.25	3	107.08	3			
1/4	2,004.47	1/4	1,731.98	1/4	1,459.50	1/4	1,187.02	1/4	914.54	1/4	646.05	1/4	374.56	1/4	101.39	1/4			
1/2	1,998.79	1/2	1,726.31	1/2	1,453.83	1/2	1,181.34	1/2	908.36	1/2	640.37	1/2	368.87	1/2	95.70	1/2			
3/4	1,993.11	3/4	1,720.63	3/4	1,448.15	3/4	1,175.67	3/4	902.19	3/4	634.69	3/4	363.18	3/4	90.01	3/4			
4	1,987.44	4	1,714.95	4	1,442.47	4	1,169.99	4	896.01	4	629.01	4	357.50	4	84.32	4			
1/4	1,981.76	1/4	1,709.28	1/4	1,436.80	1/4	1,164.31	1/4	890.33	1/4	623.33	1/4	351.81	1/4	78.63	1/4			
1/2	1,976.08	1/2	1,703.61	1/2	1,431.12	1/2	1,158.64	1/2	884.65	1/2	617.65	1/2	346.12	1/2	72.94	1/2			
3/4	1,970.41	3/4	1,697.92	3/4	1,425.44	3/4	1,152.96	3/4	878.97	3/4	611.97	3/4	340.42	3/4	67.25	3/4			
5	1,964.74	5	1,692.25	5	1,419.77	5	1,147.28	5	873.29	5	606.29	5	334.73	5	61.56	5			
1/4	1,959.05	1/4	1,686.57	1/4	1,414.09	1/4	1,141.61	1/4	867.61	1/4	600.61	1/4	329.04	1/4	55.86	1/4			
1/2	1,953.38	1/2	1,680.89	1/2	1,408.41	1/2	1,135.93	1/2	861.93	1/2	594.93	1/2	323.35	1/2	50.17	1/2			
3/4	1,947.70	3/4	1,675.22	3/4	1,402.74	3/4	1,130.25	3/4	856.25	3/4	589.25	3/4	317.66	3/4	44.48	3/4			
6	1,942.02	6	1,669.54	6	1,397.06	6	1,124.58	6	850.56	6	583.56	6	311.97	6	38.79	6			
1/4	1,936.35	1/4	1,663.86	1/4	1,391.38	1/4	1,118.90	1/4	844.87	1/4	577.87	1/4	306.28	1/4	33.08	1/4			
1/2	1,930.67	1/2	1,658.19	1/2	1,385.71	1/2	1,113.22	1/2	839.19	1/2	572.19	1/2	300.59	1/2	27.36	1/2			
3/4	1,924.99	3/4	1,652.51	3/4	1,380.03	3/4	1,107.55	3/4	833.51	3/4	566.51	3/4	294.89	3/4	21.65	3/4			
7	1,919.32	7	1,646.83	7	1,374.35	7	1,101.87	7	827.83	7	560.83	7	289.20	7	15.94	7			
1/4	1,913.64	1/4	1,641.16	1/4	1,368.66	1/4	1,096.19	1/4	822.15	1/4	555.15	1/4	283.51	1/4	10.23	1/4			
1/2	1,907.96	1/2	1,635.48	1/2	1,363.00	1/2	1,090.52	1/2	816.47	1/2	549.47	1/2	277.82	1/2	4.52	1/2			
3/4	1,902.29	3/4	1,629.80	3/4	1,357.32	3/4	1,084.84	3/4	810.79	3/4	543.79	3/4	272.13	3/4	-1.19	3/4			
8	1,896.61	8	1,624.13	8	1,351.65	8	1,079.16	8	805.11	8	538.11	8	266.44	8	-6.88	8			
1/4	1,890.93	1/4	1,618.45	1/4	1,345.97	1/4	1,073.49	1/4	800.43	1/4	532.43	1/4	260.75	1/4	-12.57	1/4			
1/2	1,885.26	1/2	1,612.77	1/2	1,340.29	1/2	1,067.81	1/2	794.75	1/2	526.75	1/2	255.06	1/2	-18.26	1/2			
3/4	1,879.58	3/4	1,607.10	3/4	1,334.62	3/4	1,062.13	3/4	789.07	3/4	521.07	3/4	249.36	3/4	-23.95	3/4			
9	1,873.90	9	1,601.42	9	1,328.94	9	1,056.46	9	783.39	9	515.39	9	243.67	9	-29.64	9			
1/4	1,868.23	1/4	1,595.74	1/4	1,323.26	1/4	1,050.78	1/4	777.71	1/4	509.71	1/4	237.98	1/4	-35.33	1/4			
1/2	1,862.55	1/2	1,590.07	1/2	1,317.59	1/2	1,045.10	1/2	772.03	1/2	504.03	1/2	232.29	1/2	-41.02	1/2			
3/4	1,856.87	3/4	1,584.39	3/4	1,311.91	3/4	1,039.43	3/4	766.35	3/4	498.35	3/4	226.60	3/4	-46.71	3/4			
10	1,851.20	10	1,578.71	10	1,306.23	10	1,033.75	10	760.67	10	492.67	10	220.91	10	-52.40	10			
1/4	1,845.52	1/4	1,573.04	1/4	1,300.56	1/4	1,028.07	1/4	754.99	1/4	487.00	1/4	215.22	1/4	-58.09	1/4			
1/2	1,839.84	1/2	1,567.36	1/2	1,294.88	1/2	1,022.40	1/2	749.31	1/2	481.32	1/2	209.53	1/2	-63.78	1/2			
3/4	1,834.17	3/4	1,561.68	3/4	1,289.20	3/4	1,016.72	3/4	743.63	3/4	475.64	3/4	203.84	3/4	-69.47	3/4			
11	1,828.49	11	1,556.01	11	1,283.53	11	1,011.04	11	737.95	11	470.00	11	198.14	11	-75.16	11			
1/4	1,822.81	1/4	1,550.33	1/4	1,277.85	1/4	1,005.37	1/4	732.27	1/4	464.32	1/4	192.45	1/4	-80.85	1/4			
1/2	1,817.14	1/2	1,544.65	1/2	1,272.17	1/2	999.69	1/2	726.59	1/2	458.64	1/2	186.76	1/2	-86.54	1/2			
3/4	1,811.46	3/4	1,538.98	3/4	1,266.50	3/4	994.01	3/4	720.91	3/4	452.96	3/4	181.07	3/4	-92.23	3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2005 CL - SW
 CALCULATED: 09/30/2005 CL
 PRINTED: 09/30/2005 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2005

PRECISION MEASUREMENT
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BARGE "KIRBY 11524"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-09 7/8"

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IPIMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE ONLY APPLIES 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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 11524"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-09 7/8"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,922.57	0	1,673.45	0	1,424.32	0	1,175.20	0	926.07	0	680.98	0	433.95	0	184.85	0	0	0	0
1/4	1,917.38	1/4	1,668.26	1/4	1,419.13	1/4	1,170.01	1/4	920.88	1/4	675.94	1/4	428.76	1/4	179.66	1/4	1/4	1/4	1/4
1/2	1,912.19	1/2	1,663.07	1/2	1,413.94	1/2	1,164.82	1/2	915.69	1/2	670.91	1/2	423.57	1/2	174.47	1/2	1/2	1/2	1/2
3/4	1,907.00	3/4	1,657.88	3/4	1,408.75	3/4	1,159.63	3/4	910.50	3/4	665.87	3/4	418.38	3/4	169.28	3/4	3/4	3/4	3/4
1	1,901.81	1	1,652.69	1	1,403.56	1	1,154.44	1	905.31	1	660.83	1	413.19	1	164.09	1	1	1	1
1 1/4	1,896.62	1 1/4	1,647.50	1 1/4	1,398.37	1 1/4	1,149.25	1 1/4	900.12	1 1/4	655.79	1 1/4	408.00	1 1/4	158.90	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,891.43	1 1/2	1,642.31	1 1/2	1,393.18	1 1/2	1,144.06	1 1/2	894.93	1 1/2	650.76	1 1/2	402.81	1 1/2	153.71	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,886.24	3/4	1,637.12	3/4	1,387.99	3/4	1,138.87	3/4	889.74	3/4	645.72	3/4	397.62	3/4	148.52	3/4	3/4	3/4	3/4
2	1,881.05	2	1,631.93	2	1,382.80	2	1,133.68	2	884.55	2	640.58	2	392.43	2	143.33	2	2	2	2
1 1/4	1,875.86	1 1/4	1,626.74	1 1/4	1,377.61	1 1/4	1,128.49	1 1/4	879.36	1 1/4	635.44	1 1/4	387.24	1 1/4	138.14	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,870.67	1 1/2	1,621.55	1 1/2	1,372.42	1 1/2	1,123.30	1 1/2	874.17	1 1/2	630.31	1 1/2	382.05	1 1/2	132.95	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,865.48	3/4	1,616.36	3/4	1,367.23	3/4	1,118.11	3/4	868.98	3/4	625.17	3/4	376.86	3/4	127.76	3/4	3/4	3/4	3/4
3	1,860.29	3	1,611.17	3	1,362.04	3	1,112.92	3	863.79	3	620.07	3	371.67	3	122.57	3	3	3	3
1 1/4	1,855.10	1 1/4	1,605.98	1 1/4	1,356.85	1 1/4	1,107.73	1 1/4	858.60	1 1/4	615.38	1 1/4	366.48	1 1/4	117.38	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,849.91	1 1/2	1,600.79	1 1/2	1,351.66	1 1/2	1,102.54	1 1/2	853.41	1 1/2	610.27	1 1/2	361.30	1 1/2	112.19	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,844.72	3/4	1,595.60	3/4	1,346.47	3/4	1,097.35	3/4	848.22	3/4	605.15	3/4	356.11	3/4	107.00	3/4	3/4	3/4	3/4
4	1,839.53	4	1,590.41	4	1,341.28	4	1,092.16	4	843.03	4	600.00	4	350.92	4	101.82	4	4	4	4
1 1/4	1,834.34	1 1/4	1,585.22	1 1/4	1,336.09	1 1/4	1,086.97	1 1/4	837.84	1 1/4	594.81	1 1/4	345.73	1 1/4	96.63	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,829.15	1 1/2	1,580.03	1 1/2	1,330.90	1 1/2	1,081.78	1 1/2	832.65	1 1/2	589.62	1 1/2	340.54	1 1/2	91.44	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,823.96	3/4	1,574.84	3/4	1,325.71	3/4	1,076.59	3/4	827.46	3/4	584.44	3/4	335.35	3/4	86.25	3/4	3/4	3/4	3/4
5	1,818.77	5	1,569.65	5	1,320.52	5	1,071.40	5	822.31	5	579.25	5	330.16	5	81.06	5	5	5	5
1 1/4	1,813.58	1 1/4	1,564.46	1 1/4	1,315.33	1 1/4	1,066.21	1 1/4	817.20	1 1/4	574.06	1 1/4	324.97	1 1/4	75.87	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,808.39	1 1/2	1,559.27	1 1/2	1,310.14	1 1/2	1,061.02	1 1/2	812.08	1 1/2	568.87	1 1/2	319.78	1 1/2	70.68	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,803.20	3/4	1,554.08	3/4	1,304.95	3/4	1,055.83	3/4	806.97	3/4	563.68	3/4	314.59	3/4	65.49	3/4	3/4	3/4	3/4
6	1,798.01	6	1,548.89	6	1,299.76	6	1,050.64	6	801.89	6	558.49	6	309.40	6	60.30	6	6	6	6
1 1/4	1,792.82	1 1/4	1,543.70	1 1/4	1,294.57	1 1/4	1,045.45	1 1/4	796.85	1 1/4	553.30	1 1/4	304.21	1 1/4	55.11	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,787.63	1 1/2	1,538.51	1 1/2	1,289.38	1 1/2	1,040.26	1 1/2	791.81	1 1/2	548.12	1 1/2	299.02	1 1/2	49.92	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,782.44	3/4	1,533.32	3/4	1,284.19	3/4	1,035.07	3/4	786.77	3/4	542.93	3/4	293.83	3/4	44.73	3/4	3/4	3/4	3/4
7	1,777.25	7	1,528.13	7	1,279.00	7	1,029.88	7	781.74	7	537.74	7	288.64	7	39.76	7	7	7	7
1 1/4	1,772.06	1 1/4	1,522.94	1 1/4	1,273.81	1 1/4	1,024.69	1 1/4	776.70	1 1/4	532.55	1 1/4	283.45	1 1/4	35.00	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,766.87	1 1/2	1,517.75	1 1/2	1,268.62	1 1/2	1,019.50	1 1/2	771.66	1 1/2	527.36	1 1/2	278.26	1 1/2	30.24	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,761.68	3/4	1,512.56	3/4	1,263.43	3/4	1,014.31	3/4	766.62	3/4	522.17	3/4	273.07	3/4	25.49	3/4	3/4	3/4	3/4
8	1,756.49	8	1,507.37	8	1,258.24	8	1,009.12	8	761.58	8	516.98	8	267.88	8	21.38	8	8	8	8
1 1/4	1,751.30	1 1/4	1,502.18	1 1/4	1,253.05	1 1/4	1,003.93	1 1/4	756.55	1 1/4	511.79	1 1/4	262.69	1 1/4	17.92	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,746.11	1 1/2	1,496.99	1 1/2	1,247.86	1 1/2	998.74	1 1/2	751.51	1 1/2	506.60	1 1/2	257.50	1 1/2	14.46	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,740.92	3/4	1,491.80	3/4	1,242.67	3/4	993.55	3/4	746.47	3/4	501.41	3/4	252.31	3/4	11.00	3/4	3/4	3/4	3/4
9	1,735.73	9	1,486.61	9	1,237.48	9	988.36	9	741.43	9	496.22	9	247.12	9	8.40	9	9	9	9
1 1/4	1,730.54	1 1/4	1,481.42	1 1/4	1,232.29	1 1/4	983.17	1 1/4	736.40	1 1/4	491.04	1 1/4	241.93	1 1/4	6.67	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,725.35	1 1/2	1,476.23	1 1/2	1,227.10	1 1/2	977.98	1 1/2	731.36	1 1/2	485.85	1 1/2	236.74	1 1/2	4.95	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,720.16	3/4	1,471.04	3/4	1,221.91	3/4	972.79	3/4	726.32	3/4	480.66	3/4	231.56	3/4	3.22	3/4	3/4	3/4	3/4
10	1,714.97	10	1,465.85	10	1,216.72	10	967.60	10	721.28	10	475.47	10	226.37	10	2.35	10	10	10	10
1 1/4	1,709.78	1 1/4	1,460.66	1 1/4	1,211.53	1 1/4	962.41	1 1/4	716.24	1 1/4	470.28	1 1/4	221.18	1 1/4	0.78	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,704.59	1 1/2	1,455.47	1 1/2	1,206.34	1 1/2	957.22	1 1/2	711.21	1 1/2	465.09	1 1/2	215.99	1 1/2	0.24	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,699.40	3/4	1,450.27	3/4	1,201.15	3/4	952.03	3/4	706.17	3/4	459.90	3/4	210.80	3/4	0.00	3/4	3/4	3/4	3/4
11	1,694.21	11	1,445.08	11	1,195.96	11	946.84	11	701.13	11	454.71	11	205.61	11	0.00	11	11	11	11
1 1/4	1,689.02	1 1/4	1,439.89	1 1/4	1,190.77	1 1/4	941.65	1 1/4	696.09	1 1/4	449.52	1 1/4	200.42	1 1/4	0.00	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,683.83	1 1/2	1,434.70	1 1/2	1,185.58	1 1/2	936.46	1 1/2	691.06	1 1/2	444.33	1 1/2	195.23	1 1/2	0.00	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,678.64	3/4	1,429.51	3/4	1,180.39	3/4	931.26	3/4	686.02	3/4	439.14	3/4	190.04	3/4	0.00	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES ALL PRIOR TO 09/2005

PRECISION MEASUREMENT & ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77566
http://www.pimacorp.net



BARGE "KIRBY 11524"

3 CENTER ULLAGE TABLE

GAUGE HEIGHT 17'-10 3/8"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	CL	IN	CL	IN	CL	IN	CL	IN	CL	IN	CL	IN	CL	IN	CL	IN	CL	IN	CL
0	1,930.86	0	1,682.74	0	1,434.62	0	1,186.51	0	938.39	0	690.27	0	442.15	0	194.03	0	0	0	0
1/4	1,925.69	1/4	1,677.57	1/4	1,429.45	1/4	1,181.34	1/4	933.22	1/4	685.15	1/4	437.00	1/4	188.86	1/4	0	0	0
1/2	1,920.52	1/2	1,672.40	1/2	1,424.28	1/2	1,176.17	1/2	928.05	1/2	680.00	1/2	431.83	1/2	184.69	1/2	0	0	0
3/4	1,915.35	3/4	1,667.23	3/4	1,419.11	3/4	1,171.00	3/4	922.88	3/4	674.83	3/4	426.60	3/4	180.52	3/4	0	0	0
1	1,910.18	1	1,662.06	1	1,413.95	1	1,165.83	1	917.71	1	669.67	1	421.47	1	176.35	1	0	0	0
1/4	1,905.01	1/4	1,656.89	1/4	1,408.78	1/4	1,160.66	1/4	912.54	1/4	664.51	1/4	416.32	1/4	172.18	1/4	0	0	0
1/2	1,899.84	1/2	1,651.72	1/2	1,403.61	1/2	1,155.49	1/2	907.37	1/2	659.34	1/2	411.15	1/2	168.01	1/2	0	0	0
3/4	1,894.67	3/4	1,646.55	3/4	1,398.44	3/4	1,150.32	3/4	902.20	3/4	654.17	3/4	406.00	3/4	163.80	3/4	0	0	0
2	1,889.50	2	1,641.39	2	1,393.27	2	1,145.15	2	897.04	2	649.00	2	400.83	2	159.59	2	0	0	0
1/4	1,884.33	1/4	1,636.22	1/4	1,388.10	1/4	1,139.98	1/4	891.87	1/4	643.83	1/4	395.66	1/4	155.42	1/4	0	0	0
1/2	1,879.16	1/2	1,631.05	1/2	1,382.93	1/2	1,134.81	1/2	886.70	1/2	638.66	1/2	390.49	1/2	151.25	1/2	0	0	0
3/4	1,874.00	3/4	1,625.88	3/4	1,377.76	3/4	1,129.64	3/4	881.53	3/4	633.49	3/4	385.32	3/4	147.08	3/4	0	0	0
3	1,868.83	3	1,620.71	3	1,372.59	3	1,124.48	3	876.36	3	628.32	3	380.15	3	142.91	3	0	0	0
1/4	1,863.66	1/4	1,615.54	1/4	1,367.42	1/4	1,119.31	1/4	871.19	1/4	623.15	1/4	375.00	1/4	138.74	1/4	0	0	0
1/2	1,858.49	1/2	1,610.37	1/2	1,362.25	1/2	1,114.14	1/2	866.02	1/2	618.00	1/2	369.83	1/2	134.57	1/2	0	0	0
3/4	1,853.32	3/4	1,605.20	3/4	1,357.09	3/4	1,108.97	3/4	860.85	3/4	612.83	3/4	364.66	3/4	130.40	3/4	0	0	0
4	1,848.15	4	1,600.03	4	1,351.92	4	1,103.80	4	855.68	4	607.66	4	359.50	4	126.23	4	0	0	0
1/4	1,842.98	1/4	1,594.86	1/4	1,346.75	1/4	1,098.63	1/4	850.51	1/4	602.49	1/4	354.33	1/4	122.06	1/4	0	0	0
1/2	1,837.81	1/2	1,589.69	1/2	1,341.58	1/2	1,093.46	1/2	845.34	1/2	597.32	1/2	349.16	1/2	117.89	1/2	0	0	0
3/4	1,832.64	3/4	1,584.53	3/4	1,336.41	3/4	1,088.29	3/4	840.18	3/4	592.15	3/4	344.00	3/4	113.72	3/4	0	0	0
5	1,827.47	5	1,579.36	5	1,331.24	5	1,083.12	5	835.01	5	587.00	5	338.83	5	109.55	5	0	0	0
1/4	1,822.30	1/4	1,574.19	1/4	1,326.07	1/4	1,077.95	1/4	829.84	1/4	581.83	1/4	333.66	1/4	105.38	1/4	0	0	0
1/2	1,817.14	1/2	1,569.02	1/2	1,320.90	1/2	1,072.78	1/2	824.67	1/2	576.66	1/2	328.50	1/2	101.21	1/2	0	0	0
3/4	1,811.97	3/4	1,563.85	3/4	1,315.73	3/4	1,067.62	3/4	819.51	3/4	571.49	3/4	323.33	3/4	97.04	3/4	0	0	0
6	1,806.80	6	1,558.68	6	1,310.56	6	1,062.45	6	814.34	6	566.32	6	318.16	6	92.87	6	0	0	0
1/4	1,801.63	1/4	1,553.51	1/4	1,305.39	1/4	1,057.28	1/4	809.18	1/4	561.15	1/4	313.00	1/4	88.70	1/4	0	0	0
1/2	1,796.46	1/2	1,548.34	1/2	1,300.23	1/2	1,052.11	1/2	804.01	1/2	556.00	1/2	307.83	1/2	84.53	1/2	0	0	0
3/4	1,791.29	3/4	1,543.17	3/4	1,295.06	3/4	1,046.94	3/4	798.85	3/4	550.83	3/4	302.66	3/4	80.36	3/4	0	0	0
7	1,786.12	7	1,538.00	7	1,289.89	7	1,041.77	7	793.69	7	545.66	7	297.50	7	76.19	7	0	0	0
1/4	1,780.95	1/4	1,532.83	1/4	1,284.72	1/4	1,036.60	1/4	788.53	1/4	540.49	1/4	292.33	1/4	72.02	1/4	0	0	0
1/2	1,775.78	1/2	1,527.67	1/2	1,279.55	1/2	1,031.43	1/2	783.37	1/2	535.32	1/2	287.16	1/2	67.85	1/2	0	0	0
3/4	1,770.61	3/4	1,522.50	3/4	1,274.38	3/4	1,026.26	3/4	778.21	3/4	530.15	3/4	282.00	3/4	63.68	3/4	0	0	0
8	1,765.44	8	1,517.33	8	1,269.21	8	1,021.09	8	773.05	8	525.00	8	276.83	8	59.51	8	0	0	0
1/4	1,760.28	1/4	1,512.16	1/4	1,264.04	1/4	1,015.92	1/4	767.89	1/4	519.83	1/4	271.66	1/4	55.34	1/4	0	0	0
1/2	1,755.11	1/2	1,506.99	1/2	1,258.87	1/2	1,010.76	1/2	762.74	1/2	514.66	1/2	266.50	1/2	51.17	1/2	0	0	0
3/4	1,749.94	3/4	1,501.82	3/4	1,253.70	3/4	1,005.59	3/4	757.58	3/4	509.49	3/4	261.33	3/4	47.00	3/4	0	0	0
9	1,744.77	9	1,496.65	9	1,248.53	9	1,000.42	9	752.42	9	504.32	9	256.16	9	42.83	9	0	0	0
1/4	1,739.60	1/4	1,491.48	1/4	1,243.37	1/4	995.25	1/4	747.26	1/4	499.15	1/4	251.00	1/4	38.66	1/4	0	0	0
1/2	1,734.43	1/2	1,486.31	1/2	1,238.20	1/2	990.08	1/2	742.10	1/2	494.00	1/2	245.83	1/2	34.49	1/2	0	0	0
3/4	1,729.26	3/4	1,481.14	3/4	1,233.03	3/4	984.91	3/4	736.94	3/4	488.83	3/4	240.66	3/4	30.32	3/4	0	0	0
10	1,724.09	10	1,475.97	10	1,227.86	10	979.74	10	731.78	10	483.66	10	235.50	10	26.15	10	0	0	0
1/4	1,718.92	1/4	1,470.81	1/4	1,222.69	1/4	974.57	1/4	726.62	1/4	478.50	1/4	230.33	1/4	22.00	1/4	0	0	0
1/2	1,713.75	1/2	1,465.64	1/2	1,217.52	1/2	969.40	1/2	721.46	1/2	473.33	1/2	225.16	1/2	17.83	1/2	0	0	0
3/4	1,708.58	3/4	1,460.47	3/4	1,212.35	3/4	964.23	3/4	716.30	3/4	468.16	3/4	220.00	3/4	13.66	3/4	0	0	0
11	1,703.42	11	1,455.30	11	1,207.18	11	959.06	11	711.15	11	463.00	11	214.83	11	9.49	11	0	0	0
1/4	1,698.25	1/4	1,450.13	1/4	1,202.01	1/4	953.90	1/4	706.00	1/4	457.83	1/4	209.66	1/4	5.32	1/4	0	0	0
1/2	1,693.08	1/2	1,444.96	1/2	1,196.84	1/2	948.73	1/2	700.83	1/2	452.66	1/2	204.50	1/2	1.15	1/2	0	0	0
3/4	1,687.91	3/4	1,439.79	3/4	1,191.67	3/4	943.56	3/4	695.67	3/4	447.50	3/4	199.33	3/4	0	3/4	0	0	0

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