

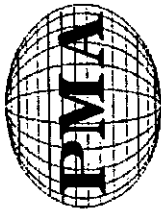


KIRBY 28043



Barge Strapping Tables





BARGE "KIRBY 28043"

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 PORT	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8
1 STBD	- 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 PORT	- 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 STBD	- 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
3 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
3 STBD	- 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

(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 PORT IS 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

December 20, 2005

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

<http://www.pmacorp.net>



BARGE "KIRBY 28043"

1 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/2"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS			0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.		
IN	0	1	IN	0	1	IN	0	1	IN	0	1	IN	0	1	IN	0	1	IN	0	1	IN	0	1	IN	0	1	IN	0	1	IN	0	1
0			0	4,363.85	0	4,063.95	0	3,767.32	0	3,455.99	0	3,131.10	0	2,799.06	0	2,467.00																
1/4	1/4		1/4	4,358.66	1/4	4,057.93	1/4	3,760.97	1/4	3,449.36	1/4	3,124.19	1/4	2,792.15	1/4	2,460.09																
1/2	1/2		1/2	4,353.46	1/2	4,051.90	1/2	3,754.62	1/2	3,442.74	1/2	3,117.29	1/2	2,785.23	1/2	2,453.17																
3/4	3/4		3/4	4,346.55	3/4	4,045.84	3/4	3,748.25	3/4	3,436.09	3/4	3,110.37	3/4	2,778.31	3/4	2,446.25																
1	1		1	4,339.63	1	4,039.78	1	3,741.88	1	3,429.44	1	3,103.45	1	2,771.39	1	2,439.33																
1/4	1/4	1/4	1/4	4,332.71	1/4	4,033.73	1/4	3,735.52	1/4	3,422.79	1/4	3,096.53	1/4	2,764.47	1/4	2,432.41																
1/2	1/2	1/2	1/2	4,325.79	1/2	4,026.87	1/2	3,728.15	1/2	3,416.14	1/2	3,089.61	1/2	2,757.56	1/2	2,425.49																
3/4	3/4	3/4	3/4	4,318.87	3/4	4,021.59	3/4	3,722.76	3/4	3,409.46	3/4	3,083.74	3/4	2,752.97	3/4	2,421.57																
2	2	2	2	4,311.95	2	4,015.52	2	3,716.37	2	3,402.79	2	3,075.78	2	2,743.72	2	2,411.65																
1/4	1/4	1/4	1/4	4,305.03	1/4	4,009.44	1/4	3,709.98	1/4	3,396.11	1/4	3,068.86	1/4	2,736.80	1/4	2,404.73																
1/2	1/2	1/2	1/2	4,298.11	1/2	4,003.37	1/2	3,703.59	1/2	3,389.43	1/2	3,061.94	1/2	2,729.88	1/2	2,397.82																
3/4	3/4	3/4	3/4	4,291.19	3/4	3,997.27	3/4	3,697.17	3/4	3,382.74	3/4	3,055.03	3/4	2,722.97	3/4	2,390.90																
3	3	3	3	4,284.27	3	3,991.17	3	3,690.75	3	3,376.04	3	3,048.11	3	2,716.05	3	2,383.98																
1/4	1/4	1/4	1/4	4,277.35	1/4	3,985.07	1/4	3,684.33	1/4	3,369.34	1/4	3,041.19	1/4	2,709.13	1/4	2,377.06																
1/2	1/2	1/2	1/2	4,270.44	1/2	3,978.98	1/2	3,677.91	1/2	3,362.65	1/2	3,034.27	1/2	2,702.21	1/2	2,370.14																
3/4	3/4	3/4	3/4	4,263.52	3/4	3,972.85	3/4	3,671.47	3/4	3,355.93	3/4	3,027.35	3/4	2,695.29	3/4	2,363.22																
4	4	4	4	4,256.60	4	3,966.73	4	3,665.04	4	3,349.21	4	3,020.44	4	2,688.38	4	2,356.30																
1/4	1/4	1/4	1/4	4,249.68	1/4	3,960.80	1/4	3,658.60	1/4	3,342.49	1/4	3,013.52	1/4	2,681.46	1/4	2,349.38																
1/2	1/2	1/2	1/2	4,242.76	1/2	3,954.47	1/2	3,652.16	1/2	3,335.77	1/2	3,006.60	1/2	2,674.54	1/2	2,342.46																
3/4	3/4	3/4	3/4	4,236.86	3/4	3,948.33	3/4	3,645.70	3/4	3,329.03	3/4	2,999.88	3/4	2,667.62	3/4	2,335.54																
5	5	5	5	4,230.96	5	3,942.18	5	3,639.24	5	3,322.28	5	2,992.76	5	2,660.70	5	2,328.62																
1/4	1/4	1/4	1/4	4,225.05	1/4	3,936.04	1/4	3,632.78	1/4	3,315.54	1/4	2,985.85	1/4	2,653.79	1/4	2,321.71																
1/2	1/2	1/2	1/2	4,219.15	1/2	3,929.89	1/2	3,626.32	1/2	3,308.79	1/2	2,978.93	1/2	2,646.87	1/2	2,314.79																
3/4	3/4	3/4	3/4	4,213.23	3/4	3,923.72	3/4	3,619.83	3/4	3,302.02	3/4	2,972.01	3/4	2,639.95	3/4	2,307.87																
6	6	6	6	4,207.30	6	3,917.56	6	3,613.34	6	3,295.26	6	2,965.09	6	2,633.03	6	2,300.95																
1/4	1/4	1/4	1/4	4,201.38	1/4	3,911.39	1/4	3,608.86	1/4	3,288.49	1/4	2,958.17	1/4	2,626.12	1/4	2,294.03																
1/2	1/2	1/2	1/2	4,195.46	1/2	3,905.22	1/2	3,603.72	1/2	3,281.72	1/2	2,951.26	1/2	2,619.20	1/2	2,287.11																
3/4	3/4	3/4	3/4	4,189.52	3/4	3,899.03	3/4	3,593.86	3/4	3,274.92	3/4	2,944.34	3/4	2,612.28	3/4	2,280.19																
7	7	7	7	4,183.57	7	3,892.83	7	3,587.35	7	3,268.13	7	2,937.42	7	2,605.36	7	2,273.27																
1/4	1/4	1/4	1/4	4,177.63	1/4	3,886.64	1/4	3,580.84	1/4	3,261.33	1/4	2,930.50	1/4	2,598.44	1/4	2,266.35																
1/2	1/2	1/2	1/2	4,171.68	1/2	3,880.44	1/2	3,574.34	1/2	3,254.53	1/2	2,923.59	1/2	2,591.53	1/2	2,259.43																
3/4	3/4	3/4	3/4	4,165.71	3/4	3,874.23	3/4	3,567.81	3/4	3,247.72	3/4	2,916.67	3/4	2,584.61	3/4	2,252.51																
8	8	8	8	4,159.74	8	3,868.01	8	3,561.28	8	3,240.90	8	2,909.75	8	2,577.69	8	2,245.59																
1/4	1/4	1/4	1/4	4,153.77	1/4	3,861.79	1/4	3,554.74	1/4	3,234.09	1/4	2,902.83	1/4	2,570.77	1/4	2,238.68																
1/2	1/2	1/2	1/2	4,147.80	1/2	3,855.58	1/2	3,548.21	1/2	3,227.27	1/2	2,895.91	1/2	2,563.85	1/2	2,231.76																
3/4	3/4	3/4	3/4	4,141.84	3/4	3,849.31	3/4	3,541.66	3/4	3,220.44	3/4	2,889.00	3/4	2,556.94	3/4	2,224.84																
9	9	9	9	4,135.88	9	3,843.03	9	3,535.10	9	3,213.60	9	2,882.08	9	2,550.02	9	2,217.92																
1/4	1/4	1/4	1/4	4,129.92	1/4	3,836.76	1/4	3,528.54	1/4	3,206.76	1/4	2,875.16	1/4	2,543.10	1/4	2,211.00																
1/2	1/2	1/2	1/2	4,123.96	1/2	3,830.49	1/2	3,521.99	1/2	3,199.92	1/2	2,868.24	1/2	2,536.18	1/2	2,204.08																
3/4	3/4	3/4	3/4	4,117.98	3/4	3,824.19	3/4	3,515.41	3/4	3,193.06	3/4	2,861.32	3/4	2,529.26	3/4	2,197.16																
10	10	10	10	4,112.00	10	3,817.89	10	3,508.83	10	3,186.19	10	2,854.41	10	2,522.35	10	2,190.24																
1/4	1/4	1/4	1/4	4,106.02	1/4	3,811.60	1/4	3,502.25	1/4	3,179.33	1/4	2,847.49	1/4	2,515.43	1/4	2,183.32																
1/2	1/2	1/2	1/2	4,100.04	1/2	3,805.30	1/2	3,495.07	1/2	3,172.46	1/2	2,840.51	1/2	2,508.51	1/2	2,176.40																
3/4	3/4	3/4	3/4	4,094.03	3/4	3,798.98	3/4	3,489.07	3/4	3,165.57	3/4	2,833.65	3/4	2,501.59	3/4	2,169.48																
11	11	11	11	4,088.03	11	3,792.66	11	3,482.46	11	3,158.69	11	2,826.73	11	2,494.68	11	2,162.57																
1/4	1/4	1/4	1/4	4,082.02	1/4	3,786.34	1/4	3,475.86	1/4	3,151.80	1/4	2,819.82	1/4	2,487.76	1/4	2,155.65																
1/2	1/2	1/2	1/2	4,076.01	1/2	3,780.02	1/2	3,469.24	1/2	3,144.92	1/2	2,812.90	1/2	2,480.84	1/2	2,148.73																
3/4	3/4	3/4	3/4	4,069.98	3/4	3,773.67	3/4	3,462.62	3/4	3,138.01	3/4	2,805.98	3/4	2,473.92	3/4	2,141.81																

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 ONLY APPLIES TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 38'-05" FORWARD OF AFT BULKHEAD.

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

Signature



BARGE "KIRBY 28043"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,134.89	0	1,802.77	0	1,470.66	0	1,138.54	0	812.16	0	507.71	0	226.74	0		0			
1/4	2,127.97	1/4	1,795.85	1/4	1,463.74	1/4	1,131.62	1/4	805.58	1/4	501.60	1/4	221.13	1/4		1/4			
1/2	2,121.05	1/2	1,788.93	1/2	1,456.82	1/2	1,124.70	1/2	799.00	1/2	495.50	1/2	215.52	1/2		1/2			
3/4	2,114.13	3/4	1,782.02	3/4	1,449.90	3/4	1,117.78	3/4	792.47	3/4	489.45	3/4	209.96	3/4		3/4			
1	2,107.21	1	1,775.10	1	1,442.98	1	1,110.86	1	785.93	1	483.39	1	204.39	1		1			
1/4	2,100.29	1/4	1,768.18	1/4	1,436.06	1/4	1,103.94	1/4	779.40	1/4	477.33	1/4	198.83	1/4		1/4			
1/2	2,093.37	1/2	1,761.26	1/2	1,429.14	1/2	1,097.02	1/2	772.86	1/2	471.27	1/2	193.26	1/2		1/2			
3/4	2,086.46	3/4	1,754.34	3/4	1,422.22	3/4	1,090.11	3/4	766.37	3/4	465.25	3/4	187.74	3/4		3/4			
2	2,079.54	2	1,747.42	2	1,415.30	2	1,083.19	2	759.87	2	459.24	2	182.21	2		2			
1/4	2,072.62	1/4	1,740.50	1/4	1,408.38	1/4	1,076.27	1/4	753.38	1/4	453.22	1/4	176.88	1/4		1/4			
1/2	2,065.70	1/2	1,733.58	1/2	1,401.46	1/2	1,069.35	1/2	746.88	1/2	447.20	1/2	171.15	1/2		1/2			
3/4	2,058.78	3/4	1,726.66	3/4	1,394.55	3/4	1,062.44	3/4	740.42	3/4	441.22	3/4	165.67	3/4		3/4			
3	2,051.86	3	1,719.74	3	1,387.63	3	1,055.53	3	733.95	3	435.25	3	160.19	3		3			
1/4	2,044.94	1/4	1,712.82	1/4	1,380.71	1/4	1,048.62	1/4	727.48	1/4	429.27	1/4	154.71	1/4		1/4			
1/2	2,038.02	1/2	1,705.91	1/2	1,373.79	1/2	1,041.71	1/2	721.01	1/2	423.30	1/2	149.23	1/2		1/2			
3/4	2,031.10	3/4	1,698.99	3/4	1,366.87	3/4	1,034.82	3/4	714.58	3/4	417.36	3/4	143.78	3/4		3/4			
4	2,024.18	4	1,692.07	4	1,359.95	4	1,027.92	4	708.15	4	411.42	4	138.33	4		4			
1/4	2,017.26	1/4	1,685.15	1/4	1,353.03	1/4	1,021.03	1/4	701.72	1/4	405.49	1/4	132.89	1/4		1/4			
1/2	2,010.35	1/2	1,678.23	1/2	1,346.11	1/2	1,014.13	1/2	695.29	1/2	399.55	1/2	127.44	1/2		1/2			
3/4	2,003.43	3/4	1,671.31	3/4	1,339.19	3/4	1,007.26	3/4	688.91	3/4	393.66	3/4	122.04	3/4		3/4			
5	1,996.51	5	1,664.39	5	1,332.27	5	1,000.39	5	682.52	5	387.76	5	116.64	5		5			
1/4	1,989.59	1/4	1,657.47	1/4	1,325.35	1/4	993.52	1/4	676.14	1/4	381.87	1/4	111.24	1/4		1/4			
1/2	1,982.67	1/2	1,650.55	1/2	1,318.44	1/2	986.65	1/2	669.75	1/2	375.98	1/2	105.85	1/2		1/2			
3/4	1,975.75	3/4	1,643.63	3/4	1,311.52	3/4	979.82	3/4	663.40	3/4	370.12	3/4	100.49	3/4		3/4			
6	1,968.83	6	1,636.71	6	1,304.60	6	972.98	6	657.06	6	364.27	6	95.12	6		6			
1/4	1,961.91	1/4	1,629.80	1/4	1,297.68	1/4	966.14	1/4	650.71	1/4	358.41	1/4	89.76	1/4		1/4			
1/2	1,954.99	1/2	1,622.88	1/2	1,290.76	1/2	959.30	1/2	644.36	1/2	352.56	1/2	84.40	1/2		1/2			
3/4	1,948.07	3/4	1,615.96	3/4	1,283.84	3/4	952.52	3/4	638.06	3/4	346.75	3/4	79.09	3/4		3/4			
7	1,941.15	7	1,609.04	7	1,276.92	7	945.74	7	631.75	7	340.94	7	73.77	7		7			
1/4	1,934.24	1/4	1,602.12	1/4	1,270.00	1/4	938.96	1/4	625.45	1/4	335.13	1/4	68.46	1/4		1/4			
1/2	1,927.32	1/2	1,595.20	1/2	1,263.08	1/2	932.18	1/2	619.14	1/2	329.31	1/2	63.14	1/2		1/2			
3/4	1,920.40	3/4	1,588.28	3/4	1,256.16	3/4	925.44	3/4	612.88	3/4	323.54	3/4	57.86	3/4		3/4			
8	1,913.48	8	1,581.36	8	1,249.24	8	918.70	8	606.62	8	317.77	8	52.59	8		8			
1/4	1,906.56	1/4	1,574.44	1/4	1,242.33	1/4	911.96	1/4	600.35	1/4	312.00	1/4	47.31	1/4		1/4			
1/2	1,899.64	1/2	1,567.52	1/2	1,235.41	1/2	905.21	1/2	594.09	1/2	306.22	1/2	42.03	1/2		1/2			
3/4	1,892.72	3/4	1,560.60	3/4	1,228.49	3/4	898.51	3/4	587.86	3/4	300.49	3/4	37.66	3/4		3/4			
9	1,885.80	9	1,553.68	9	1,221.57	9	891.82	9	581.64	9	294.77	9	33.30	9		9			
1/4	1,878.88	1/4	1,546.77	1/4	1,214.65	1/4	885.12	1/4	575.42	1/4	289.04	1/4	28.93	1/4		1/4			
1/2	1,871.96	1/2	1,539.85	1/2	1,207.73	1/2	878.42	1/2	569.20	1/2	283.31	1/2	24.56	1/2		1/2			
3/4	1,865.04	3/4	1,532.93	3/4	1,200.81	3/4	871.76	3/4	563.01	3/4	277.62	3/4	21.96	3/4		3/4			
10	1,858.13	10	1,526.01	10	1,193.89	10	865.10	10	556.83	10	271.93	10	19.36	10		10			
1/4	1,851.21	1/4	1,519.09	1/4	1,186.97	1/4	858.44	1/4	550.65	1/4	266.23	1/4	16.76	1/4		1/4			
1/2	1,844.29	1/2	1,512.17	1/2	1,180.05	1/2	851.78	1/2	544.47	1/2	260.54	1/2	14.16	1/2		1/2			
3/4	1,837.37	3/4	1,505.25	3/4	1,173.13	3/4	845.16	3/4	538.33	3/4	254.90	3/4	11.11	3/4		3/4			
11	1,830.45	11	1,498.33	11	1,166.22	11	838.55	11	532.19	11	249.25	11	8.88	11		11			
1/4	1,823.53	1/4	1,491.41	1/4	1,159.30	1/4	831.93	1/4	526.05	1/4	243.60	1/4	6.66	1/4		1/4			
1/2	1,816.61	1/2	1,484.49	1/2	1,152.38	1/2	825.31	1/2	519.91	1/2	237.96	1/2	4.44	1/2		1/2			
3/4	1,809.69	3/4	1,477.57	3/4	1,145.46	3/4	818.74	3/4	513.81	3/4	232.35	3/4	2.22	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/18/2005 CL - SW
CALCULATED: 12/20/2005 CL
PRINTED: 12/20/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

The Flame

BARGE "KIRBY 28043"

1STBD

ULLAGE TABLE

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

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS																			
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0		0	4,354.66	0	4,055.27	0	3,759.14	0	3,448.34	0	3,124.01	0	2,792.54	0	2,461.05				
1/4	1/4	1/4	4,349.47	1/4	4,049.25	1/4	3,752.80	1/4	3,441.72	1/4	3,117.11	1/4	2,785.63	1/4	2,454.14				
1/2	1/2	1/2	4,344.29	1/2	4,043.23	1/2	3,746.46	1/2	3,435.11	1/2	3,110.22	1/2	2,778.73	1/2	2,447.23				
3/4	3/4	3/4	4,337.38	3/4	4,037.19	3/4	3,740.10	3/4	3,428.47	3/4	3,103.31	3/4	2,771.82	3/4	2,440.33				
1	1	1	4,330.48	1	4,031.14	1	3,733.75	1	3,421.83	1	3,096.41	1	2,764.91	1	2,433.42				
1/4	1/4	1/4	4,323.57	1/4	4,025.10	1/4	3,727.39	1/4	3,415.20	1/4	3,089.50	1/4	2,758.01	1/4	2,426.51				
1/2	1/2	1/2	4,316.66	1/2	4,019.05	1/2	3,721.03	1/2	3,408.56	1/2	3,082.59	1/2	2,751.10	1/2	2,419.60				
3/4	3/4	3/4	4,309.75	3/4	4,012.98	3/4	3,714.65	3/4	3,401.89	3/4	3,075.69	3/4	2,744.20	3/4	2,412.70				
2	2	2	4,302.85	2	4,006.92	2	3,708.27	2	3,395.23	2	3,068.78	2	2,737.29	2	2,405.79				
1/4	1/4	1/4	4,296.94	1/4	4,000.85	1/4	3,701.89	1/4	3,388.56	1/4	3,061.88	1/4	2,730.38	1/4	2,398.88				
1/2	1/2	1/2	4,289.03	1/2	3,994.79	1/2	3,695.52	1/2	3,381.90	1/2	3,054.97	1/2	2,723.48	1/2	2,391.97				
3/4	3/4	3/4	4,282.12	3/4	3,988.70	3/4	3,689.11	3/4	3,375.21	3/4	3,048.06	3/4	2,716.57	3/4	2,385.07				
3	3	3	4,275.22	3	3,982.61	3	3,682.70	3	3,368.53	3	3,041.16	3	2,709.66	3	2,378.16				
1/4	1/4	1/4	4,268.31	1/4	3,976.53	1/4	3,676.29	1/4	3,361.84	1/4	3,034.25	1/4	2,702.76	1/4	2,371.25				
1/2	1/2	1/2	4,261.40	1/2	3,970.44	1/2	3,669.89	1/2	3,355.16	1/2	3,027.35	1/2	2,695.85	1/2	2,364.34				
3/4	3/4	3/4	4,254.50	3/4	3,964.32	3/4	3,663.46	3/4	3,348.45	3/4	3,020.44	3/4	2,688.95	3/4	2,357.44				
4	4	4	4,247.59	4	3,958.21	4	3,657.03	4	3,341.74	4	3,013.53	4	2,682.04	4	2,350.53				
1/4	1/4	1/4	4,240.68	1/4	3,952.09	1/4	3,650.60	1/4	3,335.03	1/4	3,006.63	1/4	2,675.13	1/4	2,343.62				
1/2	1/2	1/2	4,233.77	1/2	3,945.98	1/2	3,644.18	1/2	3,328.33	1/2	2,999.72	1/2	2,668.23	1/2	2,336.71				
3/4	3/4	3/4	4,227.88	3/4	3,939.84	3/4	3,637.73	3/4	3,321.59	3/4	2,992.82	3/4	2,661.32	3/4	2,329.81				
5	5	5	4,221.99	5	3,933.71	5	3,631.28	5	3,314.86	5	2,985.91	5	2,654.42	5	2,322.90				
1/4	1/4	1/4	4,216.10	1/4	3,927.57	1/4	3,624.93	1/4	3,308.12	1/4	2,979.00	1/4	2,647.51	1/4	2,315.99				
1/2	1/2	1/2	4,210.20	1/2	3,921.44	1/2	3,618.38	1/2	3,301.39	1/2	2,972.10	1/2	2,640.60	1/2	2,309.09				
3/4	3/4	3/4	4,204.29	3/4	3,915.28	3/4	3,611.90	3/4	3,294.63	3/4	2,965.19	3/4	2,633.70	3/4	2,302.18				
6	6	6	4,198.38	6	3,909.12	6	3,605.43	6	3,287.88	6	2,958.28	6	2,626.79	6	2,295.27				
1/4	1/4	1/4	4,192.47	1/4	3,902.96	1/4	3,598.95	1/4	3,281.12	1/4	2,951.38	1/4	2,619.89	1/4	2,288.36				
1/2	1/2	1/2	4,186.55	1/2	3,896.81	1/2	3,592.47	1/2	3,274.37	1/2	2,944.47	1/2	2,612.98	1/2	2,281.46				
3/4	3/4	3/4	4,180.62	3/4	3,890.62	3/4	3,585.98	3/4	3,267.58	3/4	2,937.57	3/4	2,606.07	3/4	2,274.55				
7	7	7	4,174.68	7	3,884.44	7	3,579.48	7	3,260.80	7	2,930.66	7	2,599.17	7	2,267.54				
1/4	1/4	1/4	4,168.75	1/4	3,878.25	1/4	3,572.98	1/4	3,254.01	1/4	2,923.75	1/4	2,592.26	1/4	2,260.73				
1/2	1/2	1/2	4,162.82	1/2	3,872.07	1/2	3,566.48	1/2	3,247.22	1/2	2,916.85	1/2	2,585.36	1/2	2,253.83				
3/4	3/4	3/4	4,156.85	3/4	3,865.86	3/4	3,559.97	3/4	3,240.42	3/4	2,909.94	3/4	2,578.45	3/4	2,246.92				
8	8	8	4,150.89	8	3,859.66	8	3,553.45	8	3,233.62	8	2,903.44	8	2,571.54	8	2,240.01				
1/4	1/4	1/4	4,144.93	1/4	3,853.45	1/4	3,546.93	1/4	3,226.81	1/4	2,896.13	1/4	2,564.64	1/4	2,233.10				
1/2	1/2	1/2	4,138.97	1/2	3,847.25	1/2	3,540.41	1/2	3,220.01	1/2	2,889.22	1/2	2,557.73	1/2	2,226.20				
3/4	3/4	3/4	4,133.02	3/4	3,840.99	3/4	3,533.86	3/4	3,213.19	3/4	2,882.32	3/4	2,550.82	3/4	2,219.29				
9	9	9	4,127.07	9	3,834.73	9	3,527.32	9	3,206.36	9	2,875.41	9	2,543.92	9	2,212.38				
1/4	1/4	1/4	4,121.12	1/4	3,828.47	1/4	3,520.77	1/4	3,199.53	1/4	2,868.51	1/4	2,537.01	1/4	2,205.47				
1/2	1/2	1/2	4,115.18	1/2	3,822.20	1/2	3,514.23	1/2	3,192.71	1/2	2,861.60	1/2	2,530.11	1/2	2,198.57				
3/4	3/4	3/4	4,109.21	3/4	3,815.92	3/4	3,507.66	3/4	3,185.85	3/4	2,854.69	3/4	2,523.20	3/4	2,191.66				
10	10	10	4,103.24	10	3,809.63	10	3,501.09	10	3,179.00	10	2,847.79	10	2,516.29	10	2,184.75				
1/4	1/4	1/4	4,097.27	1/4	3,803.34	1/4	3,494.52	1/4	3,172.15	1/4	2,840.88	1/4	2,509.39	1/4	2,177.84				
1/2	1/2	1/2	4,091.29	1/2	3,797.06	1/2	3,487.96	1/2	3,165.29	1/2	2,833.97	1/2	2,502.48	1/2	2,170.94				
3/4	3/4	3/4	4,085.30	3/4	3,790.74	3/4	3,481.36	3/4	3,158.42	3/4	2,827.07	3/4	2,495.58	3/4	2,164.03				
11	11	11	4,079.30	11	3,784.44	11	3,474.76	11	3,151.54	11	2,820.16	11	2,488.67	11	2,157.12				
1/4	1/4	1/4	4,073.30	1/4	3,778.13	1/4	3,468.17	1/4	3,144.67	1/4	2,813.26	1/4	2,481.76	1/4	2,150.21				
1/2	1/2	1/2	4,067.31	1/2	3,771.82	1/2	3,461.57	1/2	3,137.80	1/2	2,806.35	1/2	2,474.86	1/2	2,143.31				
3/4	3/4	3/4	4,061.29	3/4	3,765.48	3/4	3,454.95	3/4	3,130.90	3/4	2,799.44	3/4	2,467.95	3/4	2,136.40				
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY																			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY;

CLASS STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH THE CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE ONLY APPLIES WHEN DARGE IS ONE LEVEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHTS OF TRAILING.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC CLOSED GASKING SYSTEM. THE INTERSECTION LOCATED 12' 08" OFF CENTERLINE AND 38'-10" FORWARD OF AFT BULKHEAD.

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092

P.O. BOX 2097
Pearland, Texas 77588

Peabody, Texas 77368
http://www.pmacorp.net

[Signature]



BARGE "KIRBY 28043"

1 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/2"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS										CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.									
10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,129.49	0	1,797.94	0	1,466.38	0	1,134.83	0	810.12	0	506.83	0	226.35	0	0	0	0	0	0
1/4	2,122.59	1/4	1,791.03	1/4	1,459.47	1/4	1,127.92	1/4	803.59	1/4	500.74	1/4	220.75	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,115.68	1/2	1,784.12	1/2	1,452.57	1/2	1,121.01	1/2	797.06	1/2	494.85	1/2	215.15	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,108.77	3/4	1,777.22	3/4	1,445.66	3/4	1,114.10	3/4	790.58	3/4	488.61	3/4	209.60	3/4	3/4	3/4	3/4	3/4	3/4
1	2,101.86	1	1,770.31	1	1,438.75	1	1,107.20	1	784.09	1	482.56	1	204.04	1	1	1	1	1	1
1/4	2,094.96	1/4	1,763.41	1/4	1,431.85	1/4	1,100.29	1/4	777.61	1/4	476.51	1/4	198.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,088.05	1/2	1,756.49	1/2	1,424.94	1/2	1,093.38	1/2	771.12	1/2	470.46	1/2	192.93	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,081.14	3/4	1,749.59	3/4	1,418.03	3/4	1,086.48	3/4	764.67	3/4	464.45	3/4	187.41	3/4	3/4	3/4	3/4	3/4	3/4
2	2,074.23	2	1,742.68	2	1,411.12	2	1,079.57	2	758.23	2	458.45	2	181.90	2	2	2	2	2	2
1/4	2,067.33	1/4	1,735.77	1/4	1,404.22	1/4	1,072.66	1/4	751.78	1/4	452.44	1/4	176.38	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,060.42	1/2	1,728.86	1/2	1,397.31	1/2	1,065.76	1/2	745.34	1/2	446.43	1/2	170.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,053.51	3/4	1,721.96	3/4	1,390.40	3/4	1,058.86	3/4	738.92	3/4	440.47	3/4	165.39	3/4	3/4	3/4	3/4	3/4	3/4
3	2,046.60	3	1,715.05	3	1,383.49	3	1,051.96	3	732.50	3	434.50	3	159.91	3	3	3	3	3	3
1/4	2,039.70	1/4	1,708.14	1/4	1,376.59	1/4	1,045.06	1/4	726.07	1/4	428.53	1/4	154.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,032.79	1/2	1,701.23	1/2	1,369.68	1/2	1,038.16	1/2	719.65	1/2	422.57	1/2	148.97	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,025.88	3/4	1,694.33	3/4	1,362.77	3/4	1,031.28	3/4	713.26	3/4	416.64	3/4	143.53	3/4	3/4	3/4	3/4	3/4	3/4
4	2,018.97	4	1,687.42	4	1,355.86	4	1,024.40	4	706.88	4	410.72	4	138.10	4	4	4	4	4	4
1/4	2,012.07	1/4	1,680.51	1/4	1,348.96	1/4	1,017.52	1/4	700.49	1/4	404.79	1/4	132.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,005.16	1/2	1,673.60	1/2	1,342.05	1/2	1,010.63	1/2	694.10	1/2	398.86	1/2	127.22	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,998.25	3/4	1,666.70	3/4	1,335.14	3/4	1,003.81	3/4	687.72	3/4	392.98	3/4	121.93	3/4	3/4	3/4	3/4	3/4	3/4
5	1,991.34	5	1,659.79	5	1,328.23	5	996.98	5	681.35	5	387.10	5	116.44	5	5	5	5	5	5
1/4	1,984.44	1/4	1,652.88	1/4	1,321.33	1/4	990.15	1/4	674.97	1/4	381.21	1/4	111.05	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,977.53	1/2	1,645.97	1/2	1,314.42	1/2	983.32	1/2	668.60	1/2	375.33	1/2	105.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,970.62	3/4	1,639.07	3/4	1,307.51	3/4	976.53	3/4	662.26	3/4	369.49	3/4	100.31	3/4	3/4	3/4	3/4	3/4	3/4
6	1,963.72	6	1,632.16	6	1,300.60	6	969.74	6	655.93	6	363.64	6	94.96	6	6	6	6	6	6
1/4	1,956.81	1/4	1,625.25	1/4	1,293.70	1/4	962.95	1/4	649.59	1/4	357.80	1/4	89.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,949.90	1/2	1,618.35	1/2	1,286.79	1/2	956.16	1/2	643.25	1/2	351.95	1/2	84.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,943.00	3/4	1,611.44	3/4	1,279.88	3/4	949.43	3/4	636.96	3/4	346.15	3/4	78.95	3/4	3/4	3/4	3/4	3/4	3/4
7	1,936.09	7	1,604.53	7	1,272.98	7	942.70	7	630.67	7	340.35	7	73.64	7	7	7	7	7	7
1/4	1,929.18	1/4	1,597.62	1/4	1,266.07	1/4	935.97	1/4	624.37	1/4	334.55	1/4	68.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,922.27	1/2	1,590.72	1/2	1,259.16	1/2	929.24	1/2	618.08	1/2	328.75	1/2	63.03	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,915.36	3/4	1,583.81	3/4	1,252.25	3/4	922.54	3/4	611.83	3/4	322.98	3/4	57.76	3/4	3/4	3/4	3/4	3/4	3/4
8	1,908.46	8	1,576.90	8	1,245.35	8	915.85	8	605.57	8	317.22	8	52.50	8	8	8	8	8	8
1/4	1,901.55	1/4	1,569.99	1/4	1,238.44	1/4	909.16	1/4	599.32	1/4	311.46	1/4	47.23	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,894.64	1/2	1,563.09	1/2	1,231.53	1/2	902.47	1/2	593.07	1/2	305.70	1/2	41.96	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,887.73	3/4	1,556.18	3/4	1,224.62	3/4	895.82	3/4	586.85	3/4	299.98	3/4	37.60	3/4	3/4	3/4	3/4	3/4	3/4
9	1,880.83	9	1,549.27	9	1,217.72	9	889.17	9	580.64	9	294.26	9	33.24	9	9	9	9	9	9
1/4	1,873.92	1/4	1,542.36	1/4	1,210.81	1/4	882.52	1/4	574.43	1/4	288.54	1/4	28.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,867.01	1/2	1,535.46	1/2	1,203.90	1/2	875.88	1/2	568.22	1/2	282.82	1/2	24.52	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,860.10	3/4	1,528.55	3/4	1,196.99	3/4	869.27	3/4	562.05	3/4	277.14	3/4	21.92	3/4	3/4	3/4	3/4	3/4	3/4
10	1,853.20	10	1,521.64	10	1,190.09	10	862.66	10	555.87	10	271.46	10	19.33	10	10	10	10	10	10
1/4	1,846.29	1/4	1,514.73	1/4	1,183.18	1/4	856.05	1/4	549.70	1/4	265.78	1/4	16.73	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,839.38	1/2	1,507.83	1/2	1,176.27	1/2	849.44	1/2	543.53	1/2	260.10	1/2	14.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,832.47	3/4	1,500.92	3/4	1,169.36	3/4	842.87	3/4	537.40	3/4	254.46	3/4	11.11	3/4	3/4	3/4	3/4	3/4	3/4
11	1,825.57	11	1,494.01	11	1,162.46	11	836.31	11	531.27	11	248.82	11	8.88	11	11	11	11	11	11
1/4	1,818.66	1/4	1,487.10	1/4	1,155.55	1/4	829.74	1/4	525.14	1/4	243.19	1/4	6.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,811.75	1/2	1,480.20	1/2	1,148.64	1/2	823.17	1/2	519.01	1/2	237.55	1/2	4.44	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,804.84	3/4	1,473.29	3/4	1,141.73	3/4	816.64	3/4	512.92	3/4	231.95	3/4	2.22	3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 12/19/2005 CL - SW
CALCULATED: 12/20/2005 CL
PRINTED: 12/20/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/20/05

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2692
Pearland, Texas 77588
http://www.pmacorp.net

The Planner

BARGE "KIRBY 28043"

2 PORT

ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/2"

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

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS																			
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	0	0	5,275.25	0	4,924.87	0	4,578.97	0	4,214.82	0	3,834.82	0	3,446.44	0	3,058.04	0	2,669.64	0	2,281.24
1/4	1/4	1/4	5,269.18	1/4	4,917.85	1/4	4,571.55	1/4	4,207.07	1/4	3,826.74	1/4	3,438.35	1/4	3,049.95	1/4	2,661.55	1/4	2,273.15
1/2	1/2	1/2	5,263.11	1/2	4,910.83	1/2	4,565.12	1/2	4,199.32	1/2	3,818.66	1/2	3,430.26	1/2	3,041.86	1/2	2,653.46	1/2	2,265.06
3/4	3/4	3/4	5,255.02	3/4	4,903.78	3/4	4,556.67	3/4	4,191.55	3/4	3,810.57	3/4	3,422.17	3/4	3,033.76	3/4	2,645.36	3/4	2,256.96
1	1	1	5,246.92	1	4,896.72	1	4,549.22	1	4,183.77	1	3,802.48	1	3,414.08	1	3,025.67	1	2,637.27	1	2,248.87
1/4	1/4	1/4	5,238.83	1/4	4,889.67	1/4	4,541.77	1/4	4,175.99	1/4	3,794.39	1/4	3,405.98	1/4	3,017.58	1/4	2,629.18	1/4	2,240.78
1/2	1/2	1/2	5,230.74	1/2	4,882.62	1/2	4,534.33	1/2	4,168.22	1/2	3,786.29	1/2	3,397.89	1/2	3,009.48	1/2	2,621.08	1/2	2,232.68
3/4	3/4	3/4	5,222.64	3/4	4,875.54	3/4	4,526.85	3/4	4,160.41	3/4	3,778.20	3/4	3,389.80	3/4	3,001.39	3/4	2,612.99	3/4	2,224.59
2	2	2	5,214.55	2	4,868.47	2	4,519.38	2	4,152.60	2	3,770.11	2	3,381.71	2	2,993.29	2	2,604.89	2	2,216.49
1/4	1/4	1/4	5,206.45	1/4	4,861.39	1/4	4,511.90	1/4	4,144.79	1/4	3,762.02	1/4	3,373.62	1/4	2,985.29	1/4	2,596.89	1/4	2,208.39
1/2	1/2	1/2	5,198.36	1/2	4,854.32	1/2	4,504.43	1/2	4,136.98	1/2	3,753.93	1/2	3,365.53	1/2	2,977.11	1/2	2,588.71	1/2	2,200.31
3/4	3/4	3/4	5,190.27	3/4	4,847.22	3/4	4,496.92	3/4	4,129.14	3/4	3,745.84	3/4	3,357.43	3/4	2,969.01	3/4	2,580.61	3/4	2,192.21
3	3	3	5,182.17	3	4,840.12	3	4,489.41	3	4,121.31	3	3,737.74	3	3,349.34	3	2,960.92	3	2,572.52	3	2,184.12
1/4	1/4	1/4	5,174.08	1/4	4,833.02	1/4	4,481.91	1/4	4,113.48	1/4	3,729.65	1/4	3,341.25	1/4	2,952.82	1/4	2,564.42	1/4	2,176.02
1/2	1/2	1/2	5,165.98	1/2	4,825.91	1/2	4,474.40	1/2	4,105.65	1/2	3,721.56	1/2	3,333.16	1/2	2,944.73	1/2	2,556.33	1/2	2,168.02
3/4	3/4	3/4	5,157.89	3/4	4,818.78	3/4	4,466.87	3/4	4,097.79	3/4	3,713.47	3/4	3,325.07	3/4	2,936.63	3/4	2,548.23	3/4	2,159.92
4	4	4	5,149.79	4	4,811.65	4	4,459.34	4	4,089.93	4	3,705.38	4	3,316.98	4	2,928.54	4	2,540.14	4	2,151.82
1/4	1/4	1/4	5,141.70	1/4	4,804.51	1/4	4,451.81	1/4	4,082.07	1/4	3,697.29	1/4	3,308.88	1/4	2,920.45	1/4	2,532.05	1/4	2,143.65
1/2	1/2	1/2	5,133.61	1/2	4,797.38	1/2	4,444.28	1/2	4,074.21	1/2	3,689.19	1/2	3,300.79	1/2	2,912.35	1/2	2,524.05	1/2	2,135.25
3/4	3/4	3/4	5,126.70	3/4	4,790.22	3/4	4,436.72	3/4	4,066.32	3/4	3,681.10	3/4	3,292.70	3/4	2,904.26	3/4	2,516.06	3/4	2,127.06
5	5	5	5,119.80	5	4,783.07	5	4,429.16	5	4,058.43	5	3,673.01	5	3,284.61	5	2,896.16	5	2,507.76	5	2,118.66
1/4	1/4	1/4	5,112.89	1/4	4,775.91	1/4	4,421.61	1/4	4,050.54	1/4	3,664.92	1/4	3,276.52	1/4	2,888.07	1/4	2,499.67	1/4	2,110.67
1/2	1/2	1/2	5,105.99	1/2	4,768.75	1/2	4,414.05	1/2	4,042.65	1/2	3,656.83	1/2	3,268.43	1/2	2,879.98	1/2	2,491.58	1/2	2,102.68
3/4	3/4	3/4	5,099.06	3/4	4,761.57	3/4	4,406.46	3/4	4,034.74	3/4	3,648.74	3/4	3,260.33	3/4	2,871.88	3/4	2,483.58	3/4	2,094.68
6	6	6	5,092.13	6	4,754.39	6	4,398.88	6	4,026.82	6	3,640.64	6	3,252.24	6	2,863.79	6	2,475.39	6	2,087.39
1/4	1/4	1/4	5,085.20	1/4	4,747.20	1/4	4,391.29	1/4	4,018.91	1/4	3,632.55	1/4	3,244.15	1/4	2,855.69	1/4	2,467.29	1/4	2,079.39
1/2	1/2	1/2	5,078.27	1/2	4,740.02	1/2	4,383.70	1/2	4,010.99	1/2	3,624.46	1/2	3,236.06	1/2	2,847.60	1/2	2,459.33	1/2	2,071.43
3/4	3/4	3/4	5,071.32	3/4	4,732.81	3/4	4,376.09	3/4	4,003.04	3/4	3,616.37	3/4	3,227.97	3/4	2,839.51	3/4	2,451.53	3/4	2,063.53
7	7	7	5,064.36	7	4,725.59	7	4,368.47	7	3,995.09	7	3,608.28	7	3,219.88	7	2,831.41	7	2,443.41	7	2,055.41
1/4	1/4	1/4	5,057.41	1/4	4,718.38	1/4	4,360.86	1/4	3,987.14	1/4	3,600.19	1/4	3,211.78	1/4	2,823.32	1/4	2,435.32	1/4	2,047.42
1/2	1/2	1/2	5,050.46	1/2	4,711.16	1/2	4,353.25	1/2	3,979.19	1/2	3,592.09	1/2	3,203.69	1/2	2,815.22	1/2	2,427.47	1/2	2,039.47
3/4	3/4	3/4	5,043.47	3/4	4,703.92	3/4	4,345.61	3/4	3,971.22	3/4	3,584.00	3/4	3,195.60	3/4	2,807.13	3/4	2,419.50	3/4	2,031.50
8	8	8	5,036.49	8	4,696.68	8	4,337.97	8	3,963.25	8	3,575.91	8	3,187.51	8	2,799.03	8	2,411.53	8	2,023.53
1/4	1/4	1/4	5,029.50	1/4	4,689.45	1/4	4,330.33	1/4	3,955.27	1/4	3,567.82	1/4	3,179.42	1/4	2,790.94	1/4	2,403.54	1/4	2,015.54
1/2	1/2	1/2	5,022.51	1/2	4,682.21	1/2	4,322.70	1/2	3,947.30	1/2	3,559.73	1/2	3,171.33	1/2	2,782.85	1/2	2,395.56	1/2	2,007.56
3/4	3/4	3/4	5,015.58	3/4	4,674.87	3/4	4,315.03	3/4	3,939.31	3/4	3,551.63	3/4	3,163.23	3/4	2,774.75	3/4	2,387.58	3/4	2,000.58
9	9	9	5,008.64	9	4,667.53	9	4,307.36	9	3,931.31	9	3,543.54	9	3,155.14	9	2,766.66	9	2,379.68	9	1,992.68
1/4	1/4	1/4	5,001.70	1/4	4,660.20	1/4	4,299.69	1/4	3,923.31	1/4	3,535.45	1/4	3,147.05	1/4	2,758.56	1/4	2,371.68	1/4	1,984.68
1/2	1/2	1/2	4,994.76	1/2	4,652.86	1/2	4,292.02	1/2	3,915.31	1/2	3,527.36	1/2	3,138.96	1/2	2,750.47	1/2	2,363.69	1/2	1,976.69
3/4	3/4	3/4	4,987.79	3/4	4,645.50	3/4	4,284.33	3/4	3,907.28	3/4	3,519.27	3/4	3,130.87	3/4	2,742.48	3/4	2,355.70	3/4	1,968.70
10	10	10	4,980.83	10	4,638.13	10	4,276.63	10	3,899.25	10	3,511.18	10	3,122.77	10	2,734.28	10	2,346.79	10	1,960.79
1/4	1/4	1/4	4,973.86	1/4	4,630.76	1/4	4,268.94	1/4	3,891.22	1/4	3,503.08	1/4	3,114.68	1/4	2,726.19	1/4	2,338.70	1/4	1,952.80
1/2	1/2	1/2	4,966.80	1/2	4,623.40	1/2	4,261.24	1/2	3,883.19	1/2	3,494.99	1/2	3,106.59	1/2	2,718.09	1/2	2,330.60	1/2	1,944.80
3/4	3/4	3/4	4,959.90	3/4	4,616.00	3/4	4,253.51	3/4	3,875.14	3/4	3,486.80	3/4	3,098.50	3/4	2,710.00	3/4	2,322.60	3/4	1,936.90
11	11	11	4,952.91	11	4,608.61	11	4,245.78	11	3,867.08	11	3,478.81	11	3,090.91	11	2,701.91	11	2,314.41	11	1,928.91
1/4	1/4	1/4	4,945.91	1/4	4,601.22	1/4	4,238.05	1/4	3,859.03	1/4	3,470.72	1/4	3,082.32	1/4	2,693.81	1/4	2,306.41	1/4	1,920.91
1/2	1/2	1/2	4,938.92	1/2	4,593.83	1/2	4,230.33	1/2	3,850.98	1/2	3,462.63	1/2	3,074.22	1/2	2,685.72	1/2	2,298.52	1/2	1,912.92
3/4	3/4	3/4	4,931.89	3/4	4,586.40	3/4	4,222.57	3/4	3,842.90	3/4	3,454.53	3/4	3,066.13	3/4	2,677.62	3/4	2,290.52	3/4	1,904.92

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 12'-08" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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

True Love



BARGE "KIRBY 28043"

2 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/2"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2,669.53	0	2,281.01	0	1,892.50	0	1,503.98	0	1,115.46	0	727.43	0	339.52	0	0	0	0	0	0	0	0
1/4	2,661.44	1/4	2,272.92	1/4	1,884.40	1/4	1,495.88	1/4	1,107.37	1/4	719.36	1/4	331.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,653.34	1/2	2,264.82	1/2	1,876.31	1/2	1,487.79	1/2	1,099.27	1/2	711.29	1/2	323.35	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,645.25	3/4	2,256.73	3/4	1,868.21	3/4	1,479.70	3/4	1,091.18	3/4	703.22	3/4	315.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,637.15	1	2,248.64	1	1,860.12	1	1,471.60	1	1,083.09	1	695.16	1	307.18	1	1	1	1	1	1	1	1
1/4	2,629.06	1/4	2,240.54	1/4	1,852.03	1/4	1,463.51	1/4	1,074.99	1/4	687.09	1/4	299.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,620.96	1/2	2,232.45	1/2	1,843.93	1/2	1,455.41	1/2	1,066.90	1/2	679.02	1/2	291.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,612.87	3/4	2,224.35	3/4	1,835.84	3/4	1,447.32	3/4	1,058.80	3/4	670.95	3/4	282.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,604.78	1	2,216.26	1	1,827.74	1	1,439.23	1	1,050.71	1	662.88	1	274.84	1	2	2	2	2	2	2	2
1/4	2,596.68	1/4	2,208.17	1/4	1,819.65	1/4	1,431.13	1/4	1,042.62	1/4	654.81	1/4	266.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,588.59	1/2	2,200.07	1/2	1,811.55	1/2	1,423.04	1/2	1,034.52	1/2	646.74	1/2	258.67	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,580.49	3/4	2,191.98	3/4	1,803.46	3/4	1,414.94	3/4	1,026.43	3/4	638.66	3/4	250.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,572.40	1	2,183.88	1	1,795.37	1	1,406.85	1	1,018.33	1	630.58	1	242.50	1	3	3	3	3	3	3	3
1/4	2,564.31	1/4	2,175.79	1/4	1,787.27	1/4	1,398.76	1/4	1,010.24	1/4	622.50	1/4	234.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,556.21	1/2	2,167.70	1/2	1,779.18	1/2	1,390.66	1/2	1,002.14	1/2	614.42	1/2	226.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,548.12	3/4	2,159.60	3/4	1,771.08	3/4	1,382.57	3/4	994.05	3/4	606.34	3/4	218.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,540.02	1	2,151.51	1	1,762.99	1	1,374.47	1	985.96	1	598.25	1	210.15	1	4	4	4	4	4	4	4
1/4	2,531.93	1/4	2,143.41	1/4	1,754.90	1/4	1,366.38	1/4	977.86	1/4	590.17	1/4	202.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,523.84	1/2	2,135.32	1/2	1,746.80	1/2	1,358.29	1/2	969.77	1/2	582.08	1/2	193.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,515.74	3/4	2,127.22	3/4	1,738.71	3/4	1,350.19	3/4	961.67	3/4	574.00	3/4	185.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,507.65	1	2,119.13	1	1,730.61	1	1,342.10	1	953.58	1	565.91	1	177.81	1	5	5	5	5	5	5	5
1/4	2,499.55	1/4	2,111.04	1/4	1,722.52	1/4	1,334.00	1/4	945.49	1/4	557.83	1/4	169.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,491.46	1/2	2,102.94	1/2	1,714.43	1/2	1,325.91	1/2	937.39	1/2	549.74	1/2	161.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,483.37	3/4	2,094.85	3/4	1,706.33	3/4	1,317.81	3/4	929.30	3/4	541.66	3/4	153.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,475.27	1	2,086.75	1	1,698.24	1	1,309.72	1	921.20	1	533.57	1	145.47	1	6	6	6	6	6	6	6
1/4	2,467.18	1/4	2,078.66	1/4	1,690.14	1/4	1,301.63	1/4	913.11	1/4	525.48	1/4	137.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,459.08	1/2	2,070.57	1/2	1,682.05	1/2	1,293.53	1/2	905.02	1/2	517.40	1/2	129.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,450.99	3/4	2,062.47	3/4	1,673.96	3/4	1,285.44	3/4	896.93	3/4	509.31	3/4	121.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,442.89	1	2,054.38	1	1,665.86	1	1,277.34	1	888.85	1	501.23	1	113.13	1	7	7	7	7	7	7	7
1/4	2,434.80	1/4	2,046.28	1/4	1,657.77	1/4	1,269.25	1/4	880.77	1/4	493.14	1/4	105.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,426.71	1/2	2,038.19	1/2	1,649.67	1/2	1,261.16	1/2	872.69	1/2	485.06	1/2	96.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,418.61	3/4	2,030.10	3/4	1,641.58	3/4	1,253.06	3/4	864.62	3/4	476.97	3/4	88.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,410.52	1	2,022.00	1	1,633.48	1	1,244.97	1	856.55	1	468.89	1	80.79	1	8	8	8	8	8	8	8
1/4	2,402.42	1/4	2,013.91	1/4	1,625.39	1/4	1,236.87	1/4	848.48	1/4	460.80	1/4	72.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,394.33	1/2	2,005.81	1/2	1,617.30	1/2	1,228.78	1/2	840.41	1/2	452.72	1/2	64.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,386.24	3/4	1,997.72	3/4	1,609.20	3/4	1,220.69	3/4	832.34	3/4	444.63	3/4	57.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,378.14	1	1,989.62	1	1,601.11	1	1,212.59	1	824.27	1	436.55	1	50.47	1	9	9	9	9	9	9	9
1/4	2,370.05	1/4	1,981.53	1/4	1,593.01	1/4	1,204.50	1/4	816.20	1/4	428.46	1/4	43.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,361.95	1/2	1,973.44	1/2	1,584.92	1/2	1,196.40	1/2	808.13	1/2	420.37	1/2	36.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,353.86	3/4	1,965.34	3/4	1,576.83	3/4	1,188.31	3/4	800.06	3/4	412.29	3/4	31.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,345.77	1	1,957.25	1	1,568.73	1	1,180.21	1	791.99	1	404.20	1	26.22	1	10	10	10	10	10	10	10
1/4	2,337.67	1/4	1,949.15	1/4	1,560.64	1/4	1,172.12	1/4	783.92	1/4	396.12	1/4	21.17	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,329.58	1/2	1,941.06	1/2	1,552.54	1/2	1,164.03	1/2	775.85	1/2	388.03	1/2	16.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,321.48	3/4	1,932.97	3/4	1,544.45	3/4	1,155.93	3/4	767.78	3/4	379.95	3/4	11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,313.39	1	1,924.87	1	1,536.36	1	1,147.84	1	759.71	1	371.86	1	11	11	11	11	11	11	11	11	11
1/4	2,305.29	1/4	1,916.78	1/4	1,528.26	1/4	1,139.74	1/4	751.64	1/4	363.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,297.20	1/2	1,908.68	1/2	1,520.17	1/2	1,131.65	1/2	743.57	1/2	355.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,289.11	3/4	1,900.59	3/4	1,512.07	3/4	1,123.56	3/4	735.50	3/4	347.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2005 CL - SW
CALCULATED: 12/20/2005 CL
PRINTED: 12/20/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/20/05

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

The Flame



BARGE "KIRBY 28043"

2 STBD

ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/2"

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

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
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
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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	1/4
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
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
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
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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 MPMS 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 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmacorp.net

[Signature]

2 STBD

ULLAGE TABLE

BARGE "KIRBY 28043"



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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2,680.80	0	2,262.99	0	1,875.18	0	1,487.36	0	1,099.55	0	720.89	0	339.61	0	0	0	0	0	0
1/4	2,642.72	1/4	2,254.91	1/4	1,867.10	1/4	1,479.28	1/4	1,091.47	1/4	713.14	1/4	331.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,634.64	1/2	2,246.83	1/2	1,859.02	1/2	1,471.21	1/2	1,083.39	1/2	705.39	1/2	323.46	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,626.56	3/4	2,238.75	3/4	1,850.94	3/4	1,463.13	3/4	1,075.31	3/4	697.65	3/4	315.38	3/4	3/4	3/4	3/4	3/4	3/4
1	2,618.48	1	2,230.67	1	1,842.86	1	1,455.05	1	1,067.24	1	689.91	1	307.30	1	1	1	1	1	1
1/4	2,610.40	1/4	2,222.59	1/4	1,834.78	1/4	1,446.97	1/4	1,059.16	1/4	682.16	1/4	299.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,602.32	1/2	2,214.51	1/2	1,826.70	1/2	1,438.89	1/2	1,051.08	1/2	674.42	1/2	291.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,594.24	3/4	2,206.43	3/4	1,818.62	3/4	1,430.81	3/4	1,043.00	3/4	666.68	3/4	283.07	3/4	3/4	3/4	3/4	3/4	3/4
2	2,586.16	2	2,198.35	2	1,810.54	2	1,422.73	2	1,034.92	2	658.93	2	274.99	2	2	2	2	2	2
1/4	2,578.08	1/4	2,190.27	1/4	1,802.46	1/4	1,414.65	1/4	1,026.84	1/4	651.19	1/4	266.91	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,570.00	1/2	2,182.19	1/2	1,794.38	1/2	1,406.57	1/2	1,018.76	1/2	643.44	1/2	258.83	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,561.92	3/4	2,174.11	3/4	1,786.30	3/4	1,398.49	3/4	1,010.68	3/4	635.69	3/4	250.75	3/4	3/4	3/4	3/4	3/4	3/4
3	2,553.84	3	2,166.03	3	1,778.22	3	1,390.41	3	1,002.60	3	627.94	3	242.67	3	3	3	3	3	3
1/4	2,545.77	1/4	2,157.95	1/4	1,770.14	1/4	1,382.33	1/4	994.52	1/4	620.18	1/4	234.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,537.69	1/2	2,149.87	1/2	1,762.06	1/2	1,374.25	1/2	986.44	1/2	612.43	1/2	226.52	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,529.61	3/4	2,141.80	3/4	1,753.98	3/4	1,366.17	3/4	978.36	3/4	604.66	3/4	218.44	3/4	3/4	3/4	3/4	3/4	3/4
4	2,521.53	4	2,133.72	4	1,745.90	4	1,358.09	4	970.28	4	596.89	4	210.36	4	4	4	4	4	4
1/4	2,513.45	1/4	2,125.64	1/4	1,737.83	1/4	1,350.01	1/4	962.20	1/4	589.13	1/4	202.28	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,505.37	1/2	2,117.56	1/2	1,729.75	1/2	1,341.93	1/2	954.12	1/2	581.36	1/2	194.20	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,497.29	3/4	2,109.48	3/4	1,721.67	3/4	1,333.86	3/4	946.20	3/4	573.43	3/4	186.12	3/4	3/4	3/4	3/4	3/4	3/4
5	2,489.21	5	2,101.40	5	1,713.59	5	1,325.78	5	938.27	5	565.51	5	178.04	5	5	5	5	5	5
1/4	2,481.13	1/4	2,093.32	1/4	1,705.51	1/4	1,317.70	1/4	930.34	1/4	557.58	1/4	169.97	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,473.05	1/2	2,085.24	1/2	1,697.43	1/2	1,309.62	1/2	922.41	1/2	549.66	1/2	161.89	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,464.97	3/4	2,077.16	3/4	1,689.35	3/4	1,301.54	3/4	914.64	3/4	541.58	3/4	153.81	3/4	3/4	3/4	3/4	3/4	3/4
6	2,456.89	6	2,069.08	6	1,681.27	6	1,293.46	6	906.87	6	533.50	6	145.73	6	6	6	6	6	6
1/4	2,448.81	1/4	2,061.00	1/4	1,673.19	1/4	1,285.38	1/4	899.10	1/4	525.42	1/4	137.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,440.73	1/2	2,052.92	1/2	1,665.11	1/2	1,277.30	1/2	891.33	1/2	517.34	1/2	129.57	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,432.65	3/4	2,044.84	3/4	1,657.03	3/4	1,269.22	3/4	883.58	3/4	509.26	3/4	121.50	3/4	3/4	3/4	3/4	3/4	3/4
7	2,424.57	7	2,036.76	7	1,648.95	7	1,261.14	7	875.82	7	501.18	7	113.42	7	7	7	7	7	7
1/4	2,416.50	1/4	2,028.68	1/4	1,640.87	1/4	1,253.06	1/4	868.06	1/4	493.11	1/4	105.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,408.42	1/2	2,020.60	1/2	1,632.79	1/2	1,244.98	1/2	860.31	1/2	485.03	1/2	97.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,400.34	3/4	2,012.53	3/4	1,624.71	3/4	1,236.90	3/4	852.56	3/4	476.95	3/4	89.18	3/4	3/4	3/4	3/4	3/4	3/4
8	2,392.26	8	2,004.45	8	1,616.63	8	1,228.82	8	844.82	8	468.87	8	81.10	8	8	8	8	8	8
1/4	2,384.18	1/4	1,996.37	1/4	1,608.56	1/4	1,220.74	1/4	837.07	1/4	460.79	1/4	73.02	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,376.10	1/2	1,988.29	1/2	1,600.48	1/2	1,212.66	1/2	829.32	1/2	452.71	1/2	64.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,368.02	3/4	1,980.21	3/4	1,592.40	3/4	1,204.59	3/4	821.58	3/4	444.64	3/4	57.88	3/4	3/4	3/4	3/4	3/4	3/4
9	2,359.94	9	1,972.13	9	1,584.32	9	1,196.51	9	813.83	9	436.56	9	50.81	9	9	9	9	9	9
1/4	2,351.86	1/4	1,964.05	1/4	1,576.24	1/4	1,188.43	1/4	806.09	1/4	428.48	1/4	43.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,343.78	1/2	1,955.97	1/2	1,568.16	1/2	1,180.35	1/2	798.34	1/2	420.40	1/2	36.67	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,335.70	3/4	1,947.89	3/4	1,560.08	3/4	1,172.27	3/4	790.60	3/4	412.32	3/4	31.62	3/4	3/4	3/4	3/4	3/4	3/4
10	2,327.62	10	1,939.81	10	1,552.00	10	1,164.19	10	782.85	10	404.24	10	26.57	10	10	10	10	10	10
1/4	2,319.54	1/4	1,931.73	1/4	1,543.92	1/4	1,156.11	1/4	775.11	1/4	396.16	1/4	21.52	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,311.46	1/2	1,923.65	1/2	1,535.84	1/2	1,148.03	1/2	767.36	1/2	388.09	1/2	16.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,303.38	3/4	1,915.57	3/4	1,527.76	3/4	1,139.95	3/4	759.61	3/4	380.01	3/4	11	3/4	3/4	3/4	3/4	3/4	3/4
11	2,295.30	11	1,907.49	11	1,519.68	11	1,131.87	11	751.87	11	371.93	11	11	11	11	11	11	11	11
1/4	2,287.22	1/4	1,899.41	1/4	1,511.60	1/4	1,123.79	1/4	744.12	1/4	363.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,279.15	1/2	1,891.33	1/2	1,503.52	1/2	1,115.71	1/2	736.38	1/2	355.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,271.07	3/4	1,883.25	3/4	1,495.44	3/4	1,107.63	3/4	728.63	3/4	347.69	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2005 CL - SW
CALCULATED: 12/20/2005 CL
PRINTED: 12/20/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/20/05

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77568
http://www.pmacorp.net

Signature



BARGE "KIRBY 28043"

3 PORT

ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/2"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS											
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.	
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.
0	0	0	0	0	0	0	4,632.81	0	4,366.64	0	4,103.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,628.20	1/4	4,361.29	1/4	4,097.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,623.59	1/2	4,356.94	1/2	4,092.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,617.44	3/4	4,350.57	3/4	4,086.58
1	1	1	1	1	1	1	4,611.30	1	4,345.20	1	4,080.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,605.16	1/4	4,339.83	1/4	4,075.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,599.01	1/2	4,334.46	1/2	4,069.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,592.87	3/4	4,329.07	3/4	4,063.94
2	2	2	2	2	2	2	4,586.73	2	4,323.69	2	4,058.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,580.58	1/4	4,318.30	1/4	4,052.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,574.44	1/2	4,312.91	1/2	4,046.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,568.30	3/4	4,307.51	3/4	4,041.22
3	3	3	3	3	3	3	4,562.15	3	4,302.10	3	4,035.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,556.01	1/4	4,296.69	1/4	4,029.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,549.87	1/2	4,291.28	1/2	4,024.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,543.72	3/4	4,285.85	3/4	4,018.41
4	4	4	4	4	4	4	4,537.58	4	4,280.42	4	4,012.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,531.44	1/4	4,274.99	1/4	4,006.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,525.29	1/2	4,269.56	1/2	4,001.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,520.05	3/4	4,264.11	3/4	3,995.53
5	5	5	5	5	5	5	4,514.81	5	4,258.66	5	3,989.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,509.57	1/4	4,253.21	1/4	3,984.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,504.33	1/2	4,247.76	1/2	3,978.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,499.07	3/4	4,242.29	3/4	3,972.56
6	6	6	6	6	6	6	4,493.81	6	4,236.82	6	3,966.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,488.56	1/4	4,231.35	1/4	3,961.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,483.30	1/2	4,225.88	1/2	3,955.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,478.02	3/4	4,220.39	3/4	3,949.50
7	7	7	7	7	7	7	4,472.74	7	4,214.90	7	3,943.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,467.46	1/4	4,209.41	1/4	3,937.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,462.19	1/2	4,203.91	1/2	3,932.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,456.88	3/4	4,198.40	3/4	3,926.37
8	8	8	8	8	8	8	4,451.58	8	4,192.89	8	3,920.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,446.28	1/4	4,187.38	1/4	3,914.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,440.98	1/2	4,181.86	1/2	3,908.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,435.69	3/4	4,176.30	3/4	3,903.15
9	9	9	9	9	9	9	4,430.41	9	4,170.73	9	3,897.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,425.13	1/4	4,165.16	1/4	3,891.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,419.84	1/2	4,159.59	1/2	3,885.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,414.54	3/4	4,154.00	3/4	3,879.85
10	10	10	10	10	10	10	4,409.24	10	4,148.41	10	3,874.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,403.94	1/4	4,142.82	1/4	3,868.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,398.63	1/2	4,137.22	1/2	3,862.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,393.31	3/4	4,131.61	3/4	3,856.46
11	11	11	11	11	11	11	4,387.98	11	4,126.00	11	3,850.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,382.65	1/4	4,120.39	1/4	3,844.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,377.33	1/2	4,114.78	1/2	3,838.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,371.98	3/4	4,109.14	3/4	3,832.98

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS 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 12'-98" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2082

Peabody, Texas 77588

http://www.pmacorp.net

[Signature]

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.



BARGE "KIRBY 28043"

3 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/2"

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

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	2,486.89	0	2,125.11	0	1,763.32	0	1,401.53	0	1,040.00	0	678.77	0	317.00	0		0			
1/4	2,479.35	1/4	2,117.57	1/4	1,755.78	1/4	1,394.00	1/4	1,032.49	1/4	671.23	1/4	309.46	1/4		1/4			
1/2	2,471.82	1/2	2,110.03	1/2	1,748.25	1/2	1,386.46	1/2	1,024.97	1/2	663.69	1/2	301.92	1/2		1/2			
3/4	2,464.28	3/4	2,102.49	3/4	1,740.71	3/4	1,378.92	3/4	1,017.46	3/4	656.16	3/4	294.39	3/4		3/4			
1	2,456.74	1	2,094.96	1	1,733.17	1	1,371.39	1	1,009.95	1	648.62	1	286.85	1		1			
1/4	2,449.21	1/4	2,087.42	1/4	1,725.63	1/4	1,363.85	1/4	1,002.44	1/4	641.08	1/4	279.31	1/4		1/4			
1/2	2,441.67	1/2	2,079.88	1/2	1,718.10	1/2	1,356.31	1/2	994.92	1/2	633.55	1/2	271.78	1/2		1/2			
3/4	2,434.13	3/4	2,072.35	3/4	1,710.56	3/4	1,348.77	3/4	987.41	3/4	625.01	3/4	264.24	3/4		3/4			
2	2,426.59	2	2,064.81	2	1,703.02	2	1,341.24	2	979.90	2	618.47	2	256.70	2		2			
1/4	2,419.06	1/4	2,057.27	1/4	1,695.49	1/4	1,333.70	1/4	972.39	1/4	610.94	1/4	249.16	1/4		1/4			
1/2	2,411.52	1/2	2,049.73	1/2	1,687.95	1/2	1,326.16	1/2	964.87	1/2	603.40	1/2	241.63	1/2		1/2			
3/4	2,403.98	3/4	2,042.20	3/4	1,680.41	3/4	1,318.63	3/4	957.36	3/4	595.86	3/4	234.09	3/4		3/4			
3	2,396.44	3	2,034.66	3	1,672.87	3	1,311.09	3	949.85	3	588.33	3	226.55	3		3			
1/4	2,388.91	1/4	2,027.12	1/4	1,665.34	1/4	1,303.55	1/4	942.34	1/4	580.79	1/4	219.02	1/4		1/4			
1/2	2,381.37	1/2	2,019.58	1/2	1,657.80	1/2	1,296.01	1/2	934.83	1/2	573.25	1/2	211.48	1/2		1/2			
3/4	2,373.83	3/4	2,012.05	3/4	1,650.26	3/4	1,288.48	3/4	927.31	3/4	565.71	3/4	203.94	3/4		3/4			
4	2,366.30	4	2,004.51	4	1,642.72	4	1,280.94	4	919.80	4	558.18	4	196.41	4		4			
1/4	2,358.76	1/4	1,996.97	1/4	1,635.19	1/4	1,273.40	1/4	912.29	1/4	550.64	1/4	188.87	1/4		1/4			
1/2	2,351.22	1/2	1,989.44	1/2	1,627.65	1/2	1,265.86	1/2	904.78	1/2	543.10	1/2	181.33	1/2		1/2			
3/4	2,343.68	3/4	1,981.90	3/4	1,620.11	3/4	1,258.33	3/4	897.26	3/4	535.57	3/4	173.80	3/4		3/4			
5	2,336.15	5	1,974.36	5	1,612.58	5	1,250.79	5	889.75	5	528.03	5	166.26	5		5			
1/4	2,328.61	1/4	1,966.82	1/4	1,605.04	1/4	1,243.25	1/4	882.24	1/4	520.49	1/4	158.72	1/4		1/4			
1/2	2,321.07	1/2	1,959.29	1/2	1,597.50	1/2	1,235.72	1/2	874.73	1/2	512.96	1/2	151.18	1/2		1/2			
3/4	2,313.54	3/4	1,951.75	3/4	1,589.96	3/4	1,228.18	3/4	867.19	3/4	505.42	3/4	143.65	3/4		3/4			
6	2,306.00	6	1,944.21	6	1,582.43	6	1,220.64	6	859.65	6	497.88	6	136.11	6		6			
1/4	2,298.46	1/4	1,936.68	1/4	1,574.89	1/4	1,213.10	1/4	852.12	1/4	490.35	1/4	128.57	1/4		1/4			
1/2	2,290.92	1/2	1,929.14	1/2	1,567.35	1/2	1,205.57	1/2	844.58	1/2	482.81	1/2	121.04	1/2		1/2			
3/4	2,283.39	3/4	1,921.60	3/4	1,559.82	3/4	1,198.03	3/4	837.04	3/4	475.27	3/4	113.50	3/4		3/4			
7	2,275.85	7	1,914.06	7	1,552.28	7	1,190.49	7	829.51	7	467.73	7	105.96	7		7			
1/4	2,268.31	1/4	1,906.53	1/4	1,544.74	1/4	1,182.96	1/4	821.97	1/4	460.20	1/4	98.43	1/4		1/4			
1/2	2,260.78	1/2	1,898.99	1/2	1,537.20	1/2	1,175.42	1/2	814.43	1/2	452.66	1/2	90.89	1/2		1/2			
3/4	2,253.24	3/4	1,891.45	3/4	1,529.67	3/4	1,167.88	3/4	806.90	3/4	445.12	3/4	83.35	3/4		3/4			
8	2,245.70	8	1,883.92	8	1,522.13	8	1,160.34	8	799.36	8	437.59	8	75.82	8		8			
1/4	2,238.16	1/4	1,876.38	1/4	1,514.59	1/4	1,152.81	1/4	791.82	1/4	430.05	1/4	68.28	1/4		1/4			
1/2	2,230.63	1/2	1,868.84	1/2	1,507.06	1/2	1,145.27	1/2	784.28	1/2	422.51	1/2	60.74	1/2		1/2			
3/4	2,223.09	3/4	1,861.30	3/4	1,499.52	3/4	1,137.73	3/4	776.75	3/4	414.98	3/4	54.15	3/4		3/4			
9	2,215.55	9	1,853.77	9	1,491.98	9	1,130.20	9	769.21	9	407.44	9	47.55	9		9			
1/4	2,208.01	1/4	1,846.23	1/4	1,484.44	1/4	1,122.66	1/4	761.67	1/4	399.90	1/4	40.96	1/4		1/4			
1/2	2,200.48	1/2	1,838.69	1/2	1,476.91	1/2	1,115.12	1/2	754.14	1/2	392.37	1/2	34.36	1/2		1/2			
3/4	2,192.94	3/4	1,831.15	3/4	1,469.37	3/4	1,107.61	3/4	746.60	3/4	384.83	3/4	29.65	3/4		3/4			
10	2,185.40	10	1,823.62	10	1,461.83	10	1,100.10	10	739.06	10	377.29	10	24.94	10		10			
1/4	2,177.87	1/4	1,816.08	1/4	1,454.29	1/4	1,092.58	1/4	731.53	1/4	369.75	1/4	20.23	1/4		1/4			
1/2	2,170.33	1/2	1,808.54	1/2	1,446.76	1/2	1,085.07	1/2	723.99	1/2	362.22	1/2	15.52	1/2		1/2			
3/4	2,162.79	3/4	1,801.01	3/4	1,439.22	3/4	1,077.56	3/4	716.45	3/4	354.68	3/4		3/4		3/4			
11	2,155.25	11	1,793.47	11	1,431.68	11	1,070.05	11	708.92	11	347.14	11		11		11			
1/4	2,147.72	1/4	1,785.93	1/4	1,424.15	1/4	1,062.53	1/4	701.38	1/4	339.61	1/4		1/4		1/4			
1/2	2,140.18	1/2	1,778.39	1/2	1,416.61	1/2	1,055.02	1/2	693.84	1/2	332.07	1/2		1/2		1/2			
3/4	2,132.64	3/4	1,770.86	3/4	1,409.07	3/4	1,047.51	3/4	686.30	3/4	324.53	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/19/2005 CL - SW
CALCULATED: 12/20/2005 CL
PRINTED: 12/20/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/20/05

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77588
http://www.pmacorp.net



BARGE "KIRBY 28043"

3 STBD
ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/4"

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

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0																			
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12																			
1/4																			
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3/4																			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NPMIS 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 12'-09" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

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

Paul J. Gamm



3 STBD
ULLAGE TABLE:

GAUGE HEIGHT 16'-10 1/4"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2005**

SHEET NO. 12 OF 12

[Signature]