



KIRBY 28309



Barge Strapping Tables





BARGE "KIRBY 28309"

ULLAGE TRIM TABLE

FORMERLY "DXE 2910"

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

(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 - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 232'-00"

November 28, 2001

PRECISION MEASUREMENT
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 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28309"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		FORMERLY "DXE 2910"										GAUGE HEIGHT 16'-07"			
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	IN	8 FT.	IN	9 FT.	
0	0	0	0	0	4,284.78	0	3,935.81	0	3,586.84	0	3,237.87	0	2,888.90	0	2,539.93
1/4	1/4	1/4	1/4	1/4	4,277.51	1/4	3,928.54	1/4	3,579.57	1/4	3,230.60	1/4	2,881.63	1/4	2,532.66
1/2	1/2	1/2	1/2	1/2	4,270.23	1/2	3,921.27	1/2	3,572.30	1/2	3,223.33	1/2	2,874.36	1/2	2,525.39
3/4	3/4	3/4	3/4	3/4	4,262.96	3/4	3,914.00	3/4	3,565.03	3/4	3,216.06	3/4	2,867.09	3/4	2,518.12
1	1	1	1	1	4,255.69	1	3,906.72	1	3,557.76	1	3,208.79	1	2,859.82	1	2,510.85
1/4	1/4	1/4	1/4	1/4	4,248.42	1/4	3,899.45	1/4	3,550.49	1/4	3,201.52	1/4	2,852.55	1/4	2,503.58
1/2	1/2	1/2	1/2	1/2	4,241.15	1/2	3,892.18	1/2	3,543.21	1/2	3,194.25	1/2	2,845.28	1/2	2,496.31
3/4	3/4	3/4	3/4	3/4	4,233.88	3/4	3,884.91	3/4	3,535.94	3/4	3,186.98	3/4	2,838.01	3/4	2,489.04
2	2	2	2	2	4,226.61	2	3,877.64	2	3,528.67	2	3,179.70	2	2,830.74	2	2,481.77
1/4	1/4	1/4	1/4	1/4	4,219.34	1/4	3,870.37	1/4	3,521.40	1/4	3,172.43	1/4	2,823.47	1/4	2,474.50
1/2	1/2	1/2	1/2	1/2	4,212.07	1/2	3,863.10	1/2	3,514.13	1/2	3,165.16	1/2	2,816.19	1/2	2,467.23
3/4	3/4	3/4	3/4	3/4	4,204.80	3/4	3,855.83	3/4	3,506.86	3/4	3,157.89	3/4	2,808.92	3/4	2,459.96
3	3	3	3	3	4,197.53	3	3,848.56	3	3,499.59	3	3,150.62	3	2,801.65	3	2,452.68
1/4	1/4	1/4	1/4	1/4	4,190.26	1/4	3,841.29	1/4	3,492.32	1/4	3,143.35	1/4	2,794.38	1/4	2,445.41
1/2	1/2	1/2	1/2	1/2	4,182.99	1/2	3,834.02	1/2	3,485.05	1/2	3,136.08	1/2	2,787.11	1/2	2,438.14
3/4	3/4	3/4	3/4	3/4	4,175.72	3/4	3,826.75	3/4	3,477.78	3/4	3,128.81	3/4	2,779.84	3/4	2,430.87
4	4	4	4	4	4,168.45	4	3,819.48	4	3,470.51	4	3,121.54	4	2,772.57	4	2,423.60
1/4	1/4	1/4	1/4	1/4	4,161.18	1/4	3,812.21	1/4	3,463.24	1/4	3,114.27	1/4	2,765.30	1/4	2,416.33
1/2	1/2	1/2	1/2	1/2	4,153.91	1/2	3,804.94	1/2	3,455.97	1/2	3,107.00	1/2	2,758.03	1/2	2,409.06
3/4	3/4	3/4	3/4	3/4	4,146.64	3/4	3,797.67	3/4	3,448.70	3/4	3,099.73	3/4	2,750.76	3/4	2,401.79
5	5	5	5	5	4,139.37	5	3,790.40	5	3,441.43	5	3,092.46	5	2,743.49	5	2,394.52
1/4	1/4	1/4	1/4	1/4	4,132.10	1/4	3,783.13	1/4	3,434.16	1/4	3,085.19	1/4	2,736.22	1/4	2,387.25
1/2	1/2	1/2	1/2	1/2	4,124.83	1/2	3,775.86	1/2	3,426.89	1/2	3,077.92	1/2	2,728.95	1/2	2,379.98
3/4	3/4	3/4	3/4	3/4	4,117.56	3/4	3,768.59	3/4	3,419.62	3/4	3,070.65	3/4	2,721.68	3/4	2,372.71
6	6	6	6	6	4,110.29	6	3,761.32	6	3,412.35	6	3,063.38	6	2,714.41	6	2,365.44
1/4	1/4	1/4	1/4	1/4	4,103.02	1/4	3,754.05	1/4	3,405.08	1/4	3,056.11	1/4	2,707.14	1/4	2,358.17
1/2	1/2	1/2	1/2	1/2	4,095.75	1/2	3,746.78	1/2	3,397.81	1/2	3,048.84	1/2	2,699.87	1/2	2,350.90
3/4	3/4	3/4	3/4	3/4	4,088.48	3/4	3,739.51	3/4	3,390.54	3/4	3,041.57	3/4	2,692.60	3/4	2,343.63
7	7	7	7	7	4,081.21	7	3,732.24	7	3,383.27	7	3,034.30	7	2,685.33	7	2,336.36
1/4	1/4	1/4	1/4	1/4	4,073.94	1/4	3,724.97	1/4	3,376.00	1/4	3,027.03	1/4	2,678.06	1/4	2,329.09
1/2	1/2	1/2	1/2	1/2	4,066.67	1/2	3,717.70	1/2	3,368.73	1/2	3,019.76	1/2	2,670.79	1/2	2,321.82
3/4	3/4	3/4	3/4	3/4	4,059.40	3/4	3,710.43	3/4	3,361.46	3/4	3,012.49	3/4	2,663.52	3/4	2,314.55
8	8	8	8	8	4,052.13	8	3,703.16	8	3,354.19	8	3,005.22	8	2,656.25	8	2,307.28
1/4	1/4	1/4	1/4	1/4	4,044.86	1/4	3,695.89	1/4	3,346.92	1/4	2,997.95	1/4	2,648.98	1/4	2,300.01
1/2	1/2	1/2	1/2	1/2	4,037.59	1/2	3,688.62	1/2	3,339.65	1/2	2,990.68	1/2	2,641.71	1/2	2,292.74
3/4	3/4	3/4	3/4	3/4	4,030.32	3/4	3,681.35	3/4	3,332.38	3/4	2,983.41	3/4	2,634.44	3/4	2,285.47
9	9	9	9	9	4,023.05	9	3,674.08	9	3,325.11	9	2,976.14	9	2,627.17	9	2,278.20
1/4	1/4	1/4	1/4	1/4	4,015.78	1/4	3,666.81	1/4	3,317.84	1/4	2,968.87	1/4	2,619.90	1/4	2,270.93
1/2	1/2	1/2	1/2	1/2	4,008.51	1/2	3,659.54	1/2	3,310.57	1/2	2,961.60	1/2	2,612.63	1/2	2,263.66
3/4	3/4	3/4	3/4	3/4	4,001.24	3/4	3,652.27	3/4	3,303.30	3/4	2,954.33	3/4	2,605.36	3/4	2,256.39
10	10	10	10	10	3,993.97	10	3,645.00	10	3,296.03	10	2,947.06	10	2,598.09	10	2,249.12
1/4	1/4	1/4	1/4	1/4	3,986.70	1/4	3,637.73	1/4	3,288.76	1/4	2,939.79	1/4	2,590.82	1/4	2,241.85
1/2	1/2	1/2	1/2	1/2	3,979.43	1/2	3,630.46	1/2	3,281.49	1/2	2,932.52	1/2	2,583.55	1/2	2,234.58
3/4	3/4	3/4	3/4	3/4	3,972.16	3/4	3,623.19	3/4	3,274.22	3/4	2,925.25	3/4	2,576.28	3/4	2,227.31
11	11	11	11	11	3,964.89	11	3,615.92	11	3,266.95	11	2,917.98	11	2,569.01	11	2,220.04
1/4	1/4	1/4	1/4	1/4	3,957.62	1/4	3,608.65	1/4	3,259.68	1/4	2,910.71	1/4	2,561.74	1/4	2,212.77
1/2	1/2	1/2	1/2	1/2	3,950.35	1/2	3,601.38	1/2	3,252.41	1/2	2,903.44	1/2	2,554.47	1/2	2,205.50
3/4	3/4	3/4	3/4	3/4	3,943.08	3/4	3,594.11	3/4	3,245.14	3/4	2,896.17	3/4	2,547.20	3/4	2,198.23

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE STOPS AT UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR TO TOP LIP OF 2" DIAMETER STANDPIPE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (MANUAL) LOCATED 12'-06" OFF CENTERLINE AND 43'-10" FORWARD OF AFT BULKHEAD.

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1 PORT ULLAGE TABLE

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

FORMERLY "DXE 2910"

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	2,190.96	0	1,841.99	0	1,493.02	0	1,144.05	0	796.11	0	468.42	0	169.49	0		0		0	
1/4	2,183.69	1/4	1,834.72	1/4	1,485.75	1/4	1,136.78	1/4	789.00	1/4	461.91	1/4	163.59	1/4		1/4		1/4	
1/2	2,176.42	1/2	1,827.45	1/2	1,478.48	1/2	1,129.51	1/2	781.90	1/2	455.41	1/2	157.69	1/2		1/2		1/2	
3/4	2,169.15	3/4	1,820.18	3/4	1,471.21	3/4	1,122.24	3/4	774.79	3/4	448.91	3/4	151.79	3/4		3/4		3/4	
1	2,161.88	1	1,812.91	1	1,463.94	1	1,114.97	1	767.69	1	442.41	1	145.89	1		1		1	
1/4	2,154.61	1/4	1,805.64	1/4	1,456.67	1/4	1,107.70	1/4	760.64	1/4	435.95	1/4	140.05	1/4		1/4		1/4	
1/2	2,147.34	1/2	1,798.37	1/2	1,449.40	1/2	1,100.43	1/2	753.58	1/2	429.50	1/2	134.21	1/2		1/2		1/2	
3/4	2,140.07	3/4	1,791.10	3/4	1,442.13	3/4	1,093.16	3/4	746.53	3/4	423.04	3/4	128.37	3/4		3/4		3/4	
2	2,132.80	2	1,783.83	2	1,434.86	2	1,085.89	2	739.47	2	416.59	2	122.53	2		2		2	
1/4	2,125.53	1/4	1,776.56	1/4	1,427.59	1/4	1,078.62	1/4	732.47	1/4	410.18	1/4	116.76	1/4		1/4		1/4	
1/2	2,118.26	1/2	1,769.29	1/2	1,420.32	1/2	1,071.35	1/2	725.46	1/2	403.78	1/2	110.98	1/2		1/2		1/2	
3/4	2,110.99	3/4	1,762.02	3/4	1,413.05	3/4	1,064.08	3/4	718.46	3/4	397.37	3/4	105.21	3/4		3/4		3/4	
3	2,103.72	3	1,754.75	3	1,405.78	3	1,056.81	3	711.46	3	390.97	3	99.43	3		3		3	
1/4	2,096.45	1/4	1,747.48	1/4	1,398.51	1/4	1,049.54	1/4	704.50	1/4	384.61	1/4	93.73	1/4		1/4		1/4	
1/2	2,089.17	1/2	1,740.21	1/2	1,391.24	1/2	1,042.27	1/2	697.55	1/2	378.25	1/2	88.03	1/2		1/2		1/2	
3/4	2,081.90	3/4	1,732.94	3/4	1,383.97	3/4	1,035.00	3/4	690.60	3/4	371.90	3/4	82.33	3/4		3/4		3/4	
4	2,074.63	4	1,725.66	4	1,376.70	4	1,027.73	4	683.65	4	365.54	4	76.63	4		4		4	
1/4	2,067.36	1/4	1,718.39	1/4	1,369.43	1/4	1,020.46	1/4	676.74	1/4	359.23	1/4	71.24	1/4		1/4		1/4	
1/2	2,060.09	1/2	1,711.12	1/2	1,362.15	1/2	1,013.19	1/2	669.84	1/2	352.93	1/2	65.85	1/2		1/2		1/2	
3/4	2,052.82	3/4	1,703.85	3/4	1,354.88	3/4	1,005.92	3/4	662.94	3/4	346.62	3/4	60.46	3/4		3/4		3/4	
5	2,045.55	5	1,696.58	5	1,347.61	5	998.64	5	656.04	5	340.31	5	55.07	5		5		5	
1/4	2,038.28	1/4	1,689.31	1/4	1,340.34	1/4	991.37	1/4	649.19	1/4	334.06	1/4	50.46	1/4		1/4		1/4	
1/2	2,031.01	1/2	1,682.04	1/2	1,333.07	1/2	984.10	1/2	642.34	1/2	327.81	1/2	45.84	1/2		1/2		1/2	
3/4	2,023.74	3/4	1,674.77	3/4	1,325.80	3/4	976.83	3/4	635.49	3/4	321.55	3/4	41.23	3/4		3/4		3/4	
6	2,016.47	6	1,667.50	6	1,318.53	6	969.56	6	628.63	6	315.30	6	36.61	6		6		6	
1/4	2,009.20	1/4	1,660.23	1/4	1,311.26	1/4	962.29	1/4	621.83	1/4	309.10	1/4	32.96	1/4		1/4		1/4	
1/2	2,001.93	1/2	1,652.96	1/2	1,303.99	1/2	955.02	1/2	615.03	1/2	302.90	1/2	29.31	1/2		1/2		1/2	
3/4	1,994.66	3/4	1,645.69	3/4	1,296.72	3/4	947.75	3/4	608.23	3/4	296.69	3/4	25.66	3/4		3/4		3/4	
7	1,987.39	7	1,638.42	7	1,289.45	7	940.48	7	601.43	7	290.49	7	22.00	7		7		7	
1/4	1,980.12	1/4	1,631.15	1/4	1,282.18	1/4	933.22	1/4	594.68	1/4	284.34	1/4	18.35	1/4		1/4		1/4	
1/2	1,972.85	1/2	1,623.88	1/2	1,274.91	1/2	925.95	1/2	587.93	1/2	278.19	1/2	14.70	1/2		1/2		1/2	
3/4	1,965.58	3/4	1,616.61	3/4	1,267.64	3/4	918.69	3/4	581.18	3/4	272.04	3/4	11.05	3/4		3/4		3/4	
8	1,958.31	8	1,609.34	8	1,260.37	8	911.42	8	574.43	8	265.89	8	7.40	8		8		8	
1/4	1,951.04	1/4	1,602.07	1/4	1,253.10	1/4	904.17	1/4	567.73	1/4	259.80	1/4	3.75	1/4		1/4		1/4	
1/2	1,943.77	1/2	1,594.80	1/2	1,245.83	1/2	896.92	1/2	561.03	1/2	253.70	1/2	0.10	1/2		1/2		1/2	
3/4	1,936.50	3/4	1,587.53	3/4	1,238.56	3/4	889.67	3/4	554.33	3/4	247.60	3/4		3/4		3/4		3/4	
9	1,929.23	9	1,580.26	9	1,231.29	9	882.42	9	547.63	9	241.50	9		9		9		9	
1/4	1,921.96	1/4	1,572.99	1/4	1,224.02	1/4	875.19	1/4	540.98	1/4	235.45	1/4		1/4		1/4		1/4	
1/2	1,914.69	1/2	1,565.72	1/2	1,216.75	1/2	867.96	1/2	534.33	1/2	229.40	1/2		1/2		1/2		1/2	
3/4	1,907.42	3/4	1,558.45	3/4	1,209.48	3/4	860.73	3/4	527.68	3/4	223.35	3/4		3/4		3/4		3/4	
10	1,900.15	10	1,551.18	10	1,202.21	10	853.50	10	521.02	10	217.30	10		10		10		10	
1/4	1,892.88	1/4	1,543.91	1/4	1,194.94	1/4	846.31	1/4	514.42	1/4	211.30	1/4		1/4		1/4		1/4	
1/2	1,885.61	1/2	1,536.64	1/2	1,187.67	1/2	839.11	1/2	507.82	1/2	205.30	1/2		1/2		1/2		1/2	
3/4	1,878.34	3/4	1,529.37	3/4	1,180.40	3/4	831.92	3/4	501.22	3/4	199.29	3/4		3/4		3/4		3/4	
11	1,871.07	11	1,522.10	11	1,173.13	11	824.72	11	494.62	11	193.29	11		11		11		11	
1/4	1,863.80	1/4	1,514.83	1/4	1,165.86	1/4	817.57	1/4	488.07	1/4	187.34	1/4		1/4		1/4		1/4	
1/2	1,856.53	1/2	1,507.56	1/2	1,158.59	1/2	810.41	1/2	481.52	1/2	181.39	1/2		1/2		1/2		1/2	
3/4	1,849.26	3/4	1,500.29	3/4	1,151.32	3/4	803.26	3/4	474.97	3/4	175.44	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/1981 BI
 REPRINTED: 11/28/2001 CL
 CANCELS AND SUPERCEDES
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PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
 http://www.pmacorp.net



BARGE "KIRBY 28309"

1 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-06 7/8"

FORMERLY "DXE 2910"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,194.71	1	1,844.34	0	1,493.97	0	1,143.60	0	794.38	0	467.28	0	167.31	0	0	0	0	0	0
1/4	2,187.41	1/4	1,837.04	1/4	1,486.67	1/4	1,136.30	1/4	787.29	1/4	460.75	1/4	161.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,180.11	1/2	1,829.74	1/2	1,479.37	1/2	1,129.00	1/2	780.20	1/2	454.21	1/2	155.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,172.81	3/4	1,822.44	3/4	1,472.07	3/4	1,121.70	3/4	773.11	3/4	447.68	3/4	149.56	3/4	3/4	3/4	3/4	3/4	3/4
1	2,165.51	1	1,815.14	1	1,464.77	1	1,114.40	1	766.05	1	441.17	1	143.68	1	1	1	1	1	1
1/4	2,158.21	1/4	1,807.84	1/4	1,457.47	1/4	1,107.10	1/4	759.03	1/4	434.69	1/4	137.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,150.91	1/2	1,800.54	1/2	1,450.17	1/2	1,099.80	1/2	752.01	1/2	428.20	1/2	131.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,143.61	3/4	1,793.24	3/4	1,442.87	3/4	1,092.50	3/4	744.99	3/4	421.72	3/4	126.09	3/4	3/4	3/4	3/4	3/4	3/4
2	2,136.31	2	1,785.94	2	1,435.57	2	1,085.20	2	738.00	2	415.26	2	120.26	2	2	2	2	2	2
1/4	2,129.02	1/4	1,778.64	1/4	1,428.27	1/4	1,077.90	1/4	731.05	1/4	408.82	1/4	114.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,121.72	1/2	1,771.34	1/2	1,420.97	1/2	1,070.60	1/2	724.09	1/2	402.39	1/2	108.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,114.42	3/4	1,764.05	3/4	1,413.67	3/4	1,063.30	3/4	717.14	3/4	395.95	3/4	102.87	3/4	3/4	3/4	3/4	3/4	3/4
3	2,107.12	3	1,756.75	3	1,406.37	3	1,056.00	3	710.21	3	389.54	3	97.10	3	3	3	3	3	3
1/4	2,099.82	1/4	1,749.45	1/4	1,399.08	1/4	1,048.70	1/4	703.31	1/4	383.16	1/4	91.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,092.52	1/2	1,742.15	1/2	1,391.78	1/2	1,041.40	1/2	696.41	1/2	376.77	1/2	85.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,085.22	3/4	1,734.85	3/4	1,384.48	3/4	1,034.11	3/4	689.51	3/4	370.38	3/4	79.92	3/4	3/4	3/4	3/4	3/4	3/4
4	2,077.92	4	1,727.55	4	1,377.18	4	1,026.81	4	682.63	4	364.02	4	74.35	4	4	4	4	4	4
1/4	2,070.62	1/4	1,720.25	1/4	1,369.88	1/4	1,019.51	1/4	675.77	1/4	357.69	1/4	68.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,063.32	1/2	1,712.95	1/2	1,362.58	1/2	1,012.21	1/2	668.90	1/2	351.35	1/2	63.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,056.02	3/4	1,705.65	3/4	1,355.28	3/4	1,004.91	3/4	662.04	3/4	345.02	3/4	58.09	3/4	3/4	3/4	3/4	3/4	3/4
5	2,048.72	5	1,698.35	5	1,347.98	5	997.61	5	655.20	5	338.71	5	53.06	5	5	5	5	5	5
1/4	2,041.42	1/4	1,691.05	1/4	1,340.68	1/4	990.31	1/4	648.37	1/4	332.42	1/4	48.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,034.12	1/2	1,683.75	1/2	1,333.38	1/2	983.01	1/2	641.54	1/2	326.14	1/2	43.78	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,026.82	3/4	1,676.45	3/4	1,326.08	3/4	975.71	3/4	634.71	3/4	319.85	3/4	39.14	3/4	3/4	3/4	3/4	3/4	3/4
6	2,019.52	6	1,669.15	6	1,318.78	6	968.41	6	627.89	6	313.59	6	34.98	6	6	6	6	6	6
1/4	2,012.22	1/4	1,661.85	1/4	1,311.48	1/4	961.11	1/4	621.09	1/4	307.36	1/4	31.31	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,004.93	1/2	1,654.55	1/2	1,304.18	1/2	953.81	1/2	614.29	1/2	301.13	1/2	27.63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,997.63	3/4	1,647.25	3/4	1,296.88	3/4	946.51	3/4	607.50	3/4	294.89	3/4	23.96	3/4	3/4	3/4	3/4	3/4	3/4
7	1,990.33	7	1,639.96	7	1,289.58	7	939.21	7	600.72	7	288.69	7	22.12	7	7	7	7	7	7
1/4	1,983.03	1/4	1,632.66	1/4	1,282.28	1/4	931.92	1/4	593.95	1/4	282.51	1/4	19.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,975.73	1/2	1,625.36	1/2	1,274.99	1/2	924.62	1/2	587.19	1/2	276.32	1/2	16.78	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,968.43	3/4	1,618.06	3/4	1,267.69	3/4	917.32	3/4	580.43	3/4	270.14	3/4	14.11	3/4	3/4	3/4	3/4	3/4	3/4
8	1,961.13	8	1,610.76	8	1,260.39	8	910.03	8	573.68	8	263.99	8	11.44	8	8	8	8	8	8
1/4	1,953.83	1/4	1,603.46	1/4	1,253.09	1/4	902.75	1/4	566.96	1/4	257.86	1/4	8.77	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,946.53	1/2	1,596.16	1/2	1,245.79	1/2	895.46	1/2	560.24	1/2	251.73	1/2	6.10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,939.23	3/4	1,588.86	3/4	1,238.49	3/4	888.18	3/4	553.51	3/4	245.60	3/4	3.43	3/4	3/4	3/4	3/4	3/4	3/4
9	1,931.93	9	1,581.56	9	1,231.19	9	880.90	9	546.81	9	239.50	9	0.76	9	9	9	9	9	9
1/4	1,924.63	1/4	1,574.26	1/4	1,223.89	1/4	873.64	1/4	540.13	1/4	233.43	1/4	0.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,917.33	1/2	1,566.96	1/2	1,216.59	1/2	866.37	1/2	533.45	1/2	227.35	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,910.03	3/4	1,559.66	3/4	1,209.29	3/4	859.11	3/4	526.76	3/4	221.28	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
10	1,902.73	10	1,552.36	10	1,201.99	10	851.86	10	520.11	10	215.23	10	0.00	10	10	10	10	10	10
1/4	1,895.43	1/4	1,545.06	1/4	1,194.69	1/4	844.64	1/4	513.47	1/4	209.21	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,888.14	1/2	1,537.76	1/2	1,187.39	1/2	837.41	1/2	506.84	1/2	203.18	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,880.84	3/4	1,530.46	3/4	1,180.09	3/4	830.19	3/4	500.20	3/4	197.16	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
11	1,873.54	11	1,523.17	11	1,172.79	11	822.99	11	493.60	11	191.17	11	0.00	11	11	11	11	11	11
1/4	1,866.24	1/4	1,515.87	1/4	1,165.49	1/4	815.83	1/4	487.01	1/4	185.20	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,858.94	1/2	1,508.57	1/2	1,158.20	1/2	808.67	1/2	480.43	1/2	179.23	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,851.64	3/4	1,501.27	3/4	1,150.90	3/4	801.50	3/4	473.84	3/4	173.26	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/1981 SI
REPRINTED: 11/28/2001 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2001

PRECISION MEASUREMENT
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BARGE "KIRBY 28309"

2 PORT ULLAGE TABLE

FORMERLY "DXE 2910"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
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
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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

Tom J. ...

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE STOPS AT UNDERSIDE OF DECK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR TO TOP LIP OF 2" DIAMETER STANDPIPE.
GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (MANUAL) LOCATED 12'-06" OFF CENTERLINE AND 43'-10" FORWARD OF AFT BULKHEAD.



BARGE "KIRBY 28309"

2 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-06 1/4"

FORMERLY "DXE 2910"

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	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,402.14	0	2,035.43	0	1,668.71	0	1,302.00	0	935.30	0	568.63	0	201.97	0	0	0	0	0	0	0
1/4	2,394.50	1/4	2,027.79	1/4	1,661.07	1/4	1,294.36	1/4	927.66	1/4	560.99	1/4	194.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,386.86	1/2	2,020.15	1/2	1,653.43	1/2	1,286.72	1/2	920.02	1/2	553.35	1/2	186.72	1/2	3/4	3/4	3/4	3/4	3/4	3/4
3/4	2,379.22	3/4	2,012.51	3/4	1,645.79	3/4	1,279.08	3/4	917.38	3/4	545.71	3/4	179.11	3/4	1	1	1	1	1	1
1	2,371.58	1	2,004.87	1	1,638.15	1	1,271.44	1	914.74	1	538.07	1	171.49	1	1/4	1/4	1/4	1/4	1/4	1/4
1/4	2,363.94	1/4	1,997.23	1/4	1,630.51	1/4	1,263.80	1/4	897.11	1/4	530.43	1/4	163.87	1/4	1/2	1/2	1/2	1/2	1/2	1/2
1/2	2,356.30	1/2	1,989.59	1/2	1,622.87	1/2	1,256.16	1/2	889.47	1/2	522.79	1/2	156.28	1/2	3/4	3/4	3/4	3/4	3/4	3/4
3/4	2,348.66	3/4	1,981.95	3/4	1,615.23	3/4	1,248.52	3/4	881.83	3/4	515.15	3/4	148.68	3/4	2	2	2	2	2	2
1	2,341.02	1	1,974.31	1	1,607.59	1	1,240.88	1	874.19	1	507.52	1	141.08	1	1/4	1/4	1/4	1/4	1/4	1/4
1/4	2,333.38	1/4	1,966.67	1/4	1,599.95	1/4	1,233.24	1/4	866.55	1/4	499.88	1/4	133.49	1/4	1/2	1/2	1/2	1/2	1/2	1/2
1/2	2,325.74	1/2	1,959.03	1/2	1,592.31	1/2	1,225.60	1/2	858.91	1/2	492.24	1/2	125.93	1/2	3/4	3/4	3/4	3/4	3/4	3/4
3/4	2,318.10	3/4	1,951.39	3/4	1,584.67	3/4	1,217.96	3/4	851.28	3/4	484.60	3/4	118.36	3/4	3	3	3	3	3	3
1	2,310.46	1	1,943.75	1	1,577.03	1	1,210.32	1	843.64	1	476.96	1	110.80	1	1/4	1/4	1/4	1/4	1/4	1/4
1/4	2,302.82	1/4	1,936.11	1/4	1,569.39	1/4	1,202.68	1/4	836.00	1/4	469.32	1/4	103.24	1/4	1/2	1/2	1/2	1/2	1/2	1/2
1/2	2,295.18	1/2	1,928.47	1/2	1,561.75	1/2	1,195.04	1/2	828.36	1/2	461.68	1/2	96.04	1/2	3/4	3/4	3/4	3/4	3/4	3/4
3/4	2,287.54	3/4	1,920.83	3/4	1,554.11	3/4	1,187.40	3/4	820.72	3/4	454.04	3/4	88.83	3/4	4	4	4	4	4	4
1	2,279.90	1	1,913.19	1	1,546.47	1	1,179.76	1	813.08	1	446.40	1	81.63	1	1/4	1/4	1/4	1/4	1/4	1/4
1/4	2,272.26	1/4	1,905.55	1/4	1,538.83	1/4	1,172.12	1/4	805.45	1/4	438.76	1/4	74.43	1/4	1/2	1/2	1/2	1/2	1/2	1/2
1/2	2,264.62	1/2	1,897.91	1/2	1,531.19	1/2	1,164.48	1/2	797.81	1/2	431.12	1/2	68.23	1/2	3/4	3/4	3/4	3/4	3/4	3/4
3/4	2,256.98	3/4	1,890.27	3/4	1,523.55	3/4	1,156.84	3/4	790.17	3/4	423.48	3/4	62.02	3/4	5	5	5	5	5	5
1	2,249.34	1	1,882.63	1	1,515.91	1	1,149.20	1	782.53	1	415.84	1	55.82	1	1/4	1/4	1/4	1/4	1/4	1/4
1/4	2,241.70	1/4	1,874.99	1/4	1,508.27	1/4	1,141.56	1/4	774.89	1/4	408.20	1/4	49.61	1/4	1/2	1/2	1/2	1/2	1/2	1/2
1/2	2,234.06	1/2	1,867.35	1/2	1,500.63	1/2	1,133.92	1/2	767.26	1/2	400.56	1/2	44.68	1/2	3/4	3/4	3/4	3/4	3/4	3/4
3/4	2,226.42	3/4	1,859.71	3/4	1,492.99	3/4	1,126.28	3/4	759.62	3/4	392.92	3/4	39.75	3/4	6	6	6	6	6	6
1	2,218.78	1	1,852.07	1	1,485.35	1	1,118.64	1	751.98	1	385.28	1	34.81	1	1/4	1/4	1/4	1/4	1/4	1/4
1/4	2,211.14	1/4	1,844.43	1/4	1,477.71	1/4	1,111.00	1/4	744.34	1/4	377.64	1/4	29.88	1/4	1/2	1/2	1/2	1/2	1/2	1/2
1/2	2,203.50	1/2	1,836.79	1/2	1,470.07	1/2	1,103.36	1/2	736.70	1/2	370.00	1/2	25.00	1/2	3/4	3/4	3/4	3/4	3/4	3/4
3/4	2,195.86	3/4	1,829.15	3/4	1,462.43	3/4	1,095.72	3/4	729.06	3/4	362.36	3/4	20.17	3/4	7	7	7	7	7	7
1	2,188.22	1	1,821.51	1	1,454.79	1	1,088.08	1	721.42	1	354.72	1	15.32	1	1/4	1/4	1/4	1/4	1/4	1/4
1/4	2,180.58	1/4	1,813.87	1/4	1,447.15	1/4	1,080.44	1/4	713.78	1/4	347.08	1/4	10.47	1/4	1/2	1/2	1/2	1/2	1/2	1/2
1/2	2,172.94	1/2	1,806.23	1/2	1,439.51	1/2	1,072.80	1/2	706.14	1/2	339.44	1/2	5.62	1/2	3/4	3/4	3/4	3/4	3/4	3/4
3/4	2,165.30	3/4	1,798.59	3/4	1,431.87	3/4	1,065.16	3/4	698.50	3/4	331.80	3/4	0.77	3/4	8	8	8	8	8	8
1	2,157.66	1	1,790.95	1	1,424.23	1	1,057.52	1	690.87	1	324.16	1	0.02	1	1/4	1/4	1/4	1/4	1/4	1/4
1/4	2,150.02	1/4	1,783.31	1/4	1,416.59	1/4	1,049.88	1/4	683.23	1/4	316.52	1/4	0.00	1/4	1/2	1/2	1/2	1/2	1/2	1/2
1/2	2,142.38	1/2	1,775.67	1/2	1,408.95	1/2	1,042.24	1/2	675.59	1/2	308.88	1/2	0.00	1/2	3/4	3/4	3/4	3/4	3/4	3/4
3/4	2,134.74	3/4	1,768.03	3/4	1,401.31	3/4	1,034.60	3/4	667.95	3/4	301.24	3/4	0.00	3/4	9	9	9	9	9	9
1	2,127.10	1	1,760.39	1	1,393.67	1	1,026.96	1	660.31	1	293.60	1	0.00	1	1/4	1/4	1/4	1/4	1/4	1/4
1/4	2,119.46	1/4	1,752.75	1/4	1,386.03	1/4	1,019.32	1/4	652.67	1/4	285.96	1/4	0.00	1/4	1/2	1/2	1/2	1/2	1/2	1/2
1/2	2,111.82	1/2	1,745.11	1/2	1,378.39	1/2	1,011.68	1/2	645.03	1/2	278.32	1/2	0.00	1/2	3/4	3/4	3/4	3/4	3/4	3/4
3/4	2,104.18	3/4	1,737.47	3/4	1,370.75	3/4	1,004.04	3/4	637.39	3/4	270.69	3/4	0.00	3/4	10	10	10	10	10	10
1	2,096.54	1	1,729.83	1	1,363.11	1	996.40	1	629.75	1	263.05	1	0.00	1	1/4	1/4	1/4	1/4	1/4	1/4
1/4	2,088.90	1/4	1,722.19	1/4	1,355.47	1/4	988.76	1/4	622.11	1/4	255.41	1/4	0.00	1/4	1/2	1/2	1/2	1/2	1/2	1/2
1/2	2,081.26	1/2	1,714.55	1/2	1,347.83	1/2	981.13	1/2	614.47	1/2	247.77	1/2	0.00	1/2	3/4	3/4	3/4	3/4	3/4	3/4
3/4	2,073.62	3/4	1,706.91	3/4	1,340.19	3/4	973.49	3/4	606.83	3/4	240.13	3/4	0.00	3/4	11	11	11	11	11	11
1	2,065.99	1	1,699.27	1	1,332.55	1	965.85	1	599.19	1	232.50	1	0.00	1	1/4	1/4	1/4	1/4	1/4	1/4
1/4	2,058.35	1/4	1,691.63	1/4	1,324.91	1/4	958.21	1/4	591.55	1/4	224.86	1/4	0.00	1/4	1/2	1/2	1/2	1/2	1/2	1/2
1/2	2,050.71	1/2	1,683.99	1/2	1,317.27	1/2	950.57	1/2	583.91	1/2	217.23	1/2	0.00	1/2	3/4	3/4	3/4	3/4	3/4	3/4
3/4	2,043.07	3/4	1,676.35	3/4	1,309.63	3/4	942.93	3/4	576.27	3/4	209.60	3/4	0.00	3/4	12	12	12	12	12	12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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STRAPPED: 10/11/1991 SI
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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2001



BARGE "KIRBY 28309"

2 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-06 1/2"

FORMERLY "DXE 2910"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	0	0	0	0	0	0	0	4,604.92	0	4,238.61	0	3,872.30	0	3,505.98	0	3,139.67	0	2,773.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,597.29	1/4	4,230.98	1/4	3,864.67	1/4	3,498.35	1/4	3,132.04	1/4	2,765.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,589.66	1/2	4,223.35	1/2	3,857.03	1/2	3,490.72	1/2	3,124.41	1/2	2,758.10		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,582.03	3/4	4,215.71	3/4	3,849.40	3/4	3,483.09	3/4	3,116.78	3/4	2,750.47		
1	1	1	1	1	1	1	1	4,574.39	1	4,208.08	1	3,841.77	1	3,475.46	1	3,109.15	1	2,742.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,566.76	1/4	4,200.45	1/4	3,834.14	1/4	3,467.83	1/4	3,101.52	1/4	2,735.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,559.13	1/2	4,192.82	1/2	3,826.51	1/2	3,460.20	1/2	3,093.88	1/2	2,727.57		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,551.50	3/4	4,185.19	3/4	3,818.88	3/4	3,452.56	3/4	3,086.25	3/4	2,719.94		
2	2	2	2	2	2	2	2	4,543.87	2	4,177.56	2	3,811.24	2	3,444.93	2	3,078.62	2	2,712.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,536.24	1/4	4,169.93	1/4	3,803.61	1/4	3,437.30	1/4	3,070.99	1/4	2,704.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,528.61	1/2	4,162.29	1/2	3,795.98	1/2	3,429.67	1/2	3,063.36	1/2	2,697.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,520.97	3/4	4,154.66	3/4	3,788.35	3/4	3,422.04	3/4	3,055.73	3/4	2,689.41		
3	3	3	3	3	3	3	3	4,513.34	3	4,147.03	3	3,780.72	3	3,414.41	3	3,048.09	3	2,681.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,505.71	1/4	4,139.40	1/4	3,773.09	1/4	3,406.78	1/4	3,040.46	1/4	2,674.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,498.08	1/2	4,131.77	1/2	3,765.46	1/2	3,399.14	1/2	3,032.83	1/2	2,666.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,490.45	3/4	4,124.14	3/4	3,757.82	3/4	3,391.51	3/4	3,025.20	3/4	2,658.89		
4	4	4	4	4	4	4	4	4,482.82	4	4,116.50	4	3,750.19	4	3,383.88	4	3,017.57	4	2,651.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,475.19	1/4	4,108.87	1/4	3,742.56	1/4	3,376.25	1/4	3,009.94	1/4	2,643.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,467.55	1/2	4,101.24	1/2	3,734.93	1/2	3,368.62	1/2	3,002.31	1/2	2,635.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,459.92	3/4	4,093.61	3/4	3,727.30	3/4	3,360.99	3/4	2,994.67	3/4	2,628.36		
5	5	5	5	5	5	5	5	4,452.29	5	4,085.98	5	3,719.67	5	3,353.35	5	2,987.04	5	2,620.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,444.66	1/4	4,078.35	1/4	3,712.04	1/4	3,345.72	1/4	2,979.41	1/4	2,613.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,437.03	1/2	4,070.72	1/2	3,704.40	1/2	3,338.09	1/2	2,971.78	1/2	2,605.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,429.40	3/4	4,063.08	3/4	3,696.77	3/4	3,330.46	3/4	2,964.15	3/4	2,597.84		
6	6	6	6	6	6	6	6	4,421.76	6	4,055.45	6	3,689.14	6	3,322.83	6	2,956.52	6	2,590.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,414.13	1/4	4,047.82	1/4	3,681.51	1/4	3,315.20	1/4	2,948.89	1/4	2,582.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,406.50	1/2	4,040.19	1/2	3,673.88	1/2	3,307.57	1/2	2,941.25	1/2	2,574.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,398.87	3/4	4,032.56	3/4	3,666.25	3/4	3,299.93	3/4	2,933.62	3/4	2,567.31		
7	7	7	7	7	7	7	7	4,391.24	7	4,024.93	7	3,658.61	7	3,292.30	7	2,925.99	7	2,559.68		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,383.61	1/4	4,017.30	1/4	3,650.98	1/4	3,284.67	1/4	2,918.36	1/4	2,552.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,375.98	1/2	4,009.66	1/2	3,643.35	1/2	3,277.04	1/2	2,910.73	1/2	2,544.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,368.34	3/4	4,002.03	3/4	3,635.72	3/4	3,269.41	3/4	2,903.10	3/4	2,536.78		
8	8	8	8	8	8	8	8	4,360.71	8	3,994.40	8	3,628.09	8	3,261.78	8	2,895.46	8	2,529.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,353.08	1/4	3,986.77	1/4	3,620.46	1/4	3,254.15	1/4	2,887.83	1/4	2,521.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,345.45	1/2	3,979.14	1/2	3,612.83	1/2	3,246.51	1/2	2,880.20	1/2	2,513.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,337.82	3/4	3,971.51	3/4	3,605.19	3/4	3,238.88	3/4	2,872.57	3/4	2,506.26		
9	9	9	9	9	9	9	9	4,330.19	9	3,963.87	9	3,597.56	9	3,231.25	9	2,864.94	9	2,498.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,322.56	1/4	3,956.24	1/4	3,589.93	1/4	3,223.62	1/4	2,857.31	1/4	2,491.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,314.92	1/2	3,948.61	1/2	3,582.30	1/2	3,215.99	1/2	2,849.68	1/2	2,483.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,307.29	3/4	3,940.98	3/4	3,574.67	3/4	3,208.36	3/4	2,842.04	3/4	2,475.73		
10	10	10	10	10	10	10	10	4,299.66	10	3,933.35	10	3,567.04	10	3,200.72	10	2,834.41	10	2,468.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,292.03	1/4	3,925.72	1/4	3,559.41	1/4	3,193.09	1/4	2,826.78	1/4	2,460.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,284.40	1/2	3,918.09	1/2	3,551.77	1/2	3,185.46	1/2	2,819.15	1/2	2,452.84		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,276.77	3/4	3,910.45	3/4	3,544.14	3/4	3,177.83	3/4	2,811.52	3/4	2,445.21		
11	11	11	11	11	11	11	11	4,269.13	11	3,902.82	11	3,536.51	11	3,170.20	11	2,803.89	11	2,437.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,261.50	1/4	3,895.19	1/4	3,528.88	1/4	3,162.57	1/4	2,796.26	1/4	2,429.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,253.87	1/2	3,887.56	1/2	3,521.25	1/2	3,154.94	1/2	2,788.62	1/2	2,422.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,246.24	3/4	3,879.93	3/4	3,513.62	3/4	3,147.30	3/4	2,780.99	3/4	2,414.68		

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 STOPS AT UNDERSIDE OF DECK AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "THERMATIC" CLOSED GAUGING DEVICE OR

TO TOP LIP OF 2" DIAMETER STANDPIPE.

GAUGE POINT: (THERMATIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (MANUAL) LOCATED 12'-06" OFF CENTERLINE AND 43'-10" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28309"

2 STBD ULLAGE TABLE

FORMERLY "DXE 2910"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,407.05	0	2,040.74	0	1,674.42	0	1,308.11	0	941.81	0	575.61	0	209.37	0		0		0	
1/4	2,399.42	1/4	2,033.11	1/4	1,666.79	1/4	1,300.48	1/4	934.18	1/4	567.98	1/4	201.75	1/4		1/4		1/4	
1/2	2,391.79	1/2	2,025.47	1/2	1,659.16	1/2	1,292.85	1/2	926.56	1/2	560.35	1/2	194.12	1/2		1/2		1/2	
3/4	2,384.15	3/4	2,017.84	3/4	1,651.53	3/4	1,285.22	3/4	918.93	3/4	552.72	3/4	186.52	3/4		3/4		3/4	
1	2,376.52	1	2,010.21	1	1,643.90	1	1,277.59	1	911.30	1	545.09	1	178.91	1		1		1	
1/4	2,368.89	1/4	2,002.58	1/4	1,636.27	1/4	1,269.96	1/4	903.67	1/4	537.46	1/4	171.30	1/4		1/4		1/4	
1/2	2,361.26	1/2	1,994.95	1/2	1,628.64	1/2	1,262.32	1/2	896.04	1/2	529.83	1/2	163.69	1/2		1/2		1/2	
3/4	2,353.63	3/4	1,987.32	3/4	1,621.00	3/4	1,254.69	3/4	888.41	3/4	522.20	3/4	156.10	3/4		3/4		3/4	
2	2,346.00	2	1,979.68	2	1,613.37	2	1,247.06	2	880.78	2	514.57	2	148.51	2		2		2	
1/4	2,338.37	1/4	1,972.05	1/4	1,605.74	1/4	1,239.43	1/4	873.15	1/4	506.94	1/4	140.93	1/4		1/4		1/4	
1/2	2,330.73	1/2	1,964.42	1/2	1,598.11	1/2	1,231.80	1/2	865.52	1/2	499.31	1/2	133.34	1/2		1/2		1/2	
3/4	2,323.10	3/4	1,956.79	3/4	1,590.48	3/4	1,224.17	3/4	857.90	3/4	491.68	3/4	125.78	3/4		3/4		3/4	
3	2,315.47	3	1,949.16	3	1,582.85	3	1,216.53	3	850.27	3	484.05	3	118.23	3		3		3	
1/4	2,307.84	1/4	1,941.53	1/4	1,575.22	1/4	1,208.90	1/4	842.64	1/4	476.42	1/4	110.68	1/4		1/4		1/4	
1/2	2,300.21	1/2	1,933.90	1/2	1,567.58	1/2	1,201.27	1/2	835.01	1/2	468.79	1/2	103.12	1/2		1/2		1/2	
3/4	2,292.58	3/4	1,926.26	3/4	1,559.95	3/4	1,193.64	3/4	827.38	3/4	461.16	3/4	95.93	3/4		3/4		3/4	
4	2,284.94	4	1,918.63	4	1,552.32	4	1,186.01	4	819.75	4	453.52	4	88.73	4		4		4	
1/4	2,277.31	1/4	1,911.00	1/4	1,544.69	1/4	1,178.38	1/4	812.12	1/4	445.89	1/4	81.54	1/4		1/4		1/4	
1/2	2,269.68	1/2	1,903.37	1/2	1,537.06	1/2	1,170.75	1/2	804.49	1/2	438.26	1/2	74.35	1/2		1/2		1/2	
3/4	2,262.05	3/4	1,895.74	3/4	1,529.43	3/4	1,163.11	3/4	796.86	3/4	430.63	3/4	68.15	3/4		3/4		3/4	
5	2,254.42	5	1,888.11	5	1,521.79	5	1,155.48	5	789.24	5	423.00	5	61.95	5		5		5	
1/4	2,246.79	1/4	1,880.48	1/4	1,514.16	1/4	1,147.85	1/4	781.61	1/4	415.37	1/4	55.75	1/4		1/4		1/4	
1/2	2,239.16	1/2	1,872.84	1/2	1,506.53	1/2	1,140.22	1/2	773.98	1/2	407.74	1/2	49.56	1/2		1/2		1/2	
3/4	2,231.52	3/4	1,865.21	3/4	1,498.90	3/4	1,132.59	3/4	766.35	3/4	400.11	3/4	44.63	3/4		3/4		3/4	
6	2,223.89	6	1,857.58	6	1,491.27	6	1,124.96	6	758.72	6	392.48	6	39.70	6		6		6	
1/4	2,216.26	1/4	1,849.95	1/4	1,483.64	1/4	1,117.33	1/4	751.09	1/4	384.85	1/4	34.77	1/4		1/4		1/4	
1/2	2,208.63	1/2	1,842.32	1/2	1,476.01	1/2	1,109.69	1/2	743.46	1/2	377.22	1/2	29.84	1/2		1/2		1/2	
3/4	2,201.00	3/4	1,834.69	3/4	1,468.37	3/4	1,102.06	3/4	735.83	3/4	369.59	3/4		3/4		3/4		3/4	
7	2,193.37	7	1,827.05	7	1,460.74	7	1,094.43	7	728.20	7	361.96	7		7		7		7	
1/4	2,185.74	1/4	1,819.42	1/4	1,453.11	1/4	1,086.80	1/4	720.58	1/4	354.33	1/4		1/4		1/4		1/4	
1/2	2,178.10	1/2	1,811.79	1/2	1,445.48	1/2	1,079.17	1/2	712.95	1/2	346.70	1/2		1/2		1/2		1/2	
3/4	2,170.47	3/4	1,804.16	3/4	1,437.85	3/4	1,071.54	3/4	705.32	3/4	339.06	3/4		3/4		3/4		3/4	
8	2,162.84	8	1,796.53	8	1,430.22	8	1,063.90	8	697.69	8	331.43	8		8		8		8	
1/4	2,155.21	1/4	1,788.90	1/4	1,422.59	1/4	1,056.27	1/4	690.06	1/4	323.80	1/4		1/4		1/4		1/4	
1/2	2,147.58	1/2	1,781.27	1/2	1,414.95	1/2	1,048.64	1/2	682.43	1/2	316.17	1/2		1/2		1/2		1/2	
3/4	2,139.95	3/4	1,773.63	3/4	1,407.32	3/4	1,041.01	3/4	674.80	3/4	308.54	3/4		3/4		3/4		3/4	
9	2,132.31	9	1,766.00	9	1,399.69	9	1,033.38	9	667.17	9	300.91	9		9		9		9	
1/4	2,124.68	1/4	1,758.37	1/4	1,392.06	1/4	1,025.75	1/4	659.54	1/4	293.28	1/4		1/4		1/4		1/4	
1/2	2,117.05	1/2	1,750.74	1/2	1,384.43	1/2	1,018.12	1/2	651.91	1/2	285.65	1/2		1/2		1/2		1/2	
3/4	2,109.42	3/4	1,743.11	3/4	1,376.80	3/4	1,010.48	3/4	644.28	3/4	278.01	3/4		3/4		3/4		3/4	
10	2,101.79	10	1,735.48	10	1,369.16	10	1,002.85	10	636.65	10	270.38	10		10		10		10	
1/4	2,094.16	1/4	1,727.85	1/4	1,361.53	1/4	995.22	1/4	629.02	1/4	262.75	1/4		1/4		1/4		1/4	
1/2	2,086.53	1/2	1,720.21	1/2	1,353.90	1/2	987.59	1/2	621.39	1/2	255.12	1/2		1/2		1/2		1/2	
3/4	2,078.89	3/4	1,712.58	3/4	1,346.27	3/4	979.96	3/4	613.76	3/4	247.49	3/4		3/4		3/4		3/4	
11	2,071.26	11	1,704.95	11	1,338.64	11	972.33	11	606.13	11	239.87	11		11		11		11	
1/4	2,063.63	1/4	1,697.32	1/4	1,331.01	1/4	964.70	1/4	598.50	1/4	232.24	1/4		1/4		1/4		1/4	
1/2	2,056.00	1/2	1,689.69	1/2	1,323.38	1/2	957.07	1/2	590.87	1/2	224.61	1/2		1/2		1/2		1/2	
3/4	2,048.37	3/4	1,682.06	3/4	1,315.74	3/4	949.44	3/4	583.24	3/4	216.99	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/981 SI
REPRINTED: 11/28/2001 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2001

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



BARGE "KIRBY 28309"

3 PORT ULLAGE TABLE

FORMERLY "DXE 2910"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
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
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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IPIIMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE ONLY APPLIES TO UNDERSIDE OF DECK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR TO TOP LIP OF 2" DIAMETER STANDPIPE.
GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (MANUAL) LOCATED 12'-06" OFF CENTERLINE AND 43'-04" FORWARD OF AFT BULKHEAD.

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

Paul Johnson

SHEET NO. 9 OF 12.



BARGE "KIRBY 28309"

3 PORT ULLAGE TABLE

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

FORMERLY "DXE 2810"

GAUGE HEIGHT 16'-08"
19 FT.

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	2,449.91	0	2,084.04	0	1,718.18	0	1,352.32	0	986.47	0	620.65	0	254.80	0	0	0	0	0	0
1/4	2,442.28	1/4	2,076.42	1/4	1,710.56	1/4	1,344.70	1/4	978.85	1/4	613.03	1/4	247.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,434.66	1/2	2,068.80	1/2	1,702.94	1/2	1,337.08	1/2	971.23	1/2	605.41	1/2	239.57	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,427.04	3/4	2,061.18	3/4	1,695.32	3/4	1,329.46	3/4	963.60	3/4	597.79	3/4	231.95	3/4	3/4	3/4	3/4	3/4	3/4
1	2,419.42	1	2,053.56	1	1,687.70	1	1,321.83	1	955.98	1	590.17	1	224.33	1	1	1	1	1	1
1/4	2,411.79	1/4	2,045.93	1/4	1,680.07	1/4	1,314.21	1/4	948.36	1/4	582.54	1/4	216.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,404.17	1/2	2,038.31	1/2	1,672.45	1/2	1,306.59	1/2	940.74	1/2	574.92	1/2	209.10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,396.55	3/4	2,030.69	3/4	1,664.83	3/4	1,298.97	3/4	933.12	3/4	567.30	3/4	201.49	3/4	3/4	3/4	3/4	3/4	3/4
2	2,388.93	2	2,023.07	2	1,657.21	2	1,291.35	2	925.50	2	559.68	2	193.88	2	2	2	2	2	2
1/4	2,381.31	1/4	2,015.45	1/4	1,649.58	1/4	1,283.72	1/4	917.88	1/4	552.06	1/4	186.28	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,373.68	1/2	2,007.82	1/2	1,641.96	1/2	1,276.10	1/2	910.26	1/2	544.43	1/2	178.68	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,366.06	3/4	2,000.20	3/4	1,634.34	3/4	1,268.48	3/4	902.64	3/4	536.81	3/4	171.08	3/4	3/4	3/4	3/4	3/4	3/4
3	2,358.44	3	1,992.58	3	1,626.72	3	1,260.86	3	895.02	3	529.19	3	163.49	3	3	3	3	3	3
1/4	2,350.82	1/4	1,984.96	1/4	1,619.10	1/4	1,253.24	1/4	887.40	1/4	521.57	1/4	155.91	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,343.20	1/2	1,977.33	1/2	1,611.47	1/2	1,245.61	1/2	879.78	1/2	513.95	1/2	148.33	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,335.57	3/4	1,969.71	3/4	1,603.85	3/4	1,237.99	3/4	872.16	3/4	506.33	3/4	140.75	3/4	3/4	3/4	3/4	3/4	3/4
4	2,327.95	4	1,962.09	4	1,596.23	4	1,230.37	4	864.54	4	498.70	4	133.17	4	4	4	4	4	4
1/4	2,320.33	1/4	1,954.47	1/4	1,588.61	1/4	1,222.75	1/4	856.92	1/4	491.08	1/4	125.63	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,312.71	1/2	1,946.85	1/2	1,580.99	1/2	1,215.12	1/2	849.30	1/2	483.46	1/2	118.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,305.09	3/4	1,939.22	3/4	1,573.36	3/4	1,207.50	3/4	841.68	3/4	475.84	3/4	110.54	3/4	3/4	3/4	3/4	3/4	3/4
5	2,297.46	5	1,931.60	5	1,565.74	5	1,199.88	5	834.06	5	468.22	5	102.99	5	5	5	5	5	5
1/4	2,289.84	1/4	1,923.98	1/4	1,558.12	1/4	1,192.26	1/4	826.43	1/4	460.59	1/4	95.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,282.22	1/2	1,916.36	1/2	1,550.50	1/2	1,184.64	1/2	818.81	1/2	452.97	1/2	88.62	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,274.60	3/4	1,908.74	3/4	1,542.88	3/4	1,177.01	3/4	811.19	3/4	445.35	3/4	81.44	3/4	3/4	3/4	3/4	3/4	3/4
6	2,266.97	6	1,901.11	6	1,535.25	6	1,169.39	6	803.57	6	437.73	6	74.25	6	6	6	6	6	6
1/4	2,259.35	1/4	1,893.49	1/4	1,527.63	1/4	1,161.77	1/4	795.95	1/4	430.11	1/4	68.06	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,251.73	1/2	1,885.87	1/2	1,520.01	1/2	1,154.15	1/2	788.33	1/2	422.48	1/2	61.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,244.11	3/4	1,878.25	3/4	1,512.39	3/4	1,146.53	3/4	780.71	3/4	414.86	3/4	55.68	3/4	3/4	3/4	3/4	3/4	3/4
7	2,236.49	7	1,870.63	7	1,504.76	7	1,138.90	7	773.09	7	407.24	7	49.49	7	7	7	7	7	7
1/4	2,228.86	1/4	1,863.00	1/4	1,497.14	1/4	1,131.28	1/4	765.47	1/4	399.62	1/4	44.57	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,221.24	1/2	1,855.38	1/2	1,489.52	1/2	1,123.66	1/2	757.85	1/2	392.00	1/2	39.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,213.62	3/4	1,847.76	3/4	1,481.90	3/4	1,116.04	3/4	750.23	3/4	384.38	3/4	34.73	3/4	3/4	3/4	3/4	3/4	3/4
8	2,206.00	8	1,840.14	8	1,474.28	8	1,108.42	8	742.60	8	376.75	8	29.80	8	8	8	8	8	8
1/4	2,198.38	1/4	1,832.52	1/4	1,466.65	1/4	1,100.79	1/4	734.98	1/4	369.13	1/4	24.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,190.75	1/2	1,824.89	1/2	1,459.03	1/2	1,093.17	1/2	727.36	1/2	361.51	1/2	19.96	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,183.13	3/4	1,817.27	3/4	1,451.41	3/4	1,085.55	3/4	719.74	3/4	353.89	3/4	15.04	3/4	3/4	3/4	3/4	3/4	3/4
9	2,175.51	9	1,809.65	9	1,443.79	9	1,077.93	9	712.12	9	346.27	9	10.12	9	9	9	9	9	9
1/4	2,167.89	1/4	1,802.03	1/4	1,436.17	1/4	1,070.31	1/4	704.49	1/4	338.64	1/4	5.20	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,160.27	1/2	1,794.40	1/2	1,428.54	1/2	1,062.68	1/2	696.87	1/2	331.02	1/2	0.28	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,152.64	3/4	1,786.78	3/4	1,420.92	3/4	1,055.06	3/4	689.25	3/4	323.40	3/4	0.36	3/4	3/4	3/4	3/4	3/4	3/4
10	2,145.02	10	1,779.16	10	1,413.30	10	1,047.44	10	681.63	10	315.78	10	0.44	10	10	10	10	10	10
1/4	2,137.40	1/4	1,771.54	1/4	1,405.68	1/4	1,039.82	1/4	674.01	1/4	308.16	1/4	0.52	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,129.78	1/2	1,763.92	1/2	1,398.06	1/2	1,032.19	1/2	666.39	1/2	300.53	1/2	0.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,122.15	3/4	1,756.29	3/4	1,390.43	3/4	1,024.57	3/4	658.76	3/4	292.91	3/4	0.68	3/4	3/4	3/4	3/4	3/4	3/4
11	2,114.53	11	1,748.67	11	1,382.81	11	1,016.95	11	651.14	11	285.29	11	0.76	11	11	11	11	11	11
1/4	2,106.91	1/4	1,741.05	1/4	1,375.19	1/4	1,009.33	1/4	643.52	1/4	277.67	1/4	0.84	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,099.29	1/2	1,733.43	1/2	1,367.57	1/2	1,001.71	1/2	635.90	1/2	270.05	1/2	0.92	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,091.67	3/4	1,725.81	3/4	1,359.94	3/4	994.09	3/4	628.28	3/4	262.43	3/4	1.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/1991 SH
REPRINTED: 11/28/2001 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2001

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



BARGE "KIRBY 28309"

3 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-07 1/4"

FORMERLY "DXE 2910"

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	2,803.71
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	2,796.05
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	2,788.40
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	2,780.74
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2,773.08
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	2,765.43
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	2,757.77
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	2,750.11
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2,742.46
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	2,734.80
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	2,727.15
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	2,719.49
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2,711.83
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	2,704.18
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	2,696.52
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	2,688.86
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2,681.21
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	2,673.55
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	2,665.89
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	2,658.24
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	2,650.58
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	2,642.93
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	2,635.27
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	2,627.61
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	2,619.96
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	2,612.30
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	2,604.64
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	2,596.99
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	2,589.33
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	2,581.67
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	2,574.02
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	2,566.36
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	2,558.70
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	2,551.05
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	2,543.39
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	2,535.74
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	2,528.08
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	2,520.42
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	2,512.77
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	2,505.11
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2,497.45
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	2,489.80
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	2,482.14
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	2,474.48
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	2,466.83
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	2,459.17
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	2,451.52
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	2,443.86

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IPIIMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE STOPS AT UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR TO TOP TIP OF 2" DIAMETER STANDPIPE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (MANUAL) LOCATED 12'-06" OFF CENTERLINE AND 43'-04" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28309"

3 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-07 1/4"

FORMERLY "DXE 2910"

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	2,436.20	0	2,068.70	0	1,701.21	0	1,333.87	0	967.72	0	600.38	0	232.96	0		0		0	
1/4	2,428.55	1/4	2,061.04	1/4	1,693.55	1/4	1,326.24	1/4	960.07	1/4	592.72	1/4	225.31	1/4		1/4		1/4	
1/2	2,420.89	1/2	2,053.39	1/2	1,685.89	1/2	1,318.62	1/2	952.42	1/2	585.07	1/2	217.66	1/2		1/2		1/2	
3/4	2,413.23	3/4	2,045.73	3/4	1,678.24	3/4	1,310.99	3/4	944.77	3/4	577.41	3/4	210.02	3/4		3/4		3/4	
1	2,405.58	1	2,038.08	1	1,670.58	1	1,303.37	1	937.11	1	569.76	1	202.37	1		1		1	
1/4	2,397.92	1/4	2,030.42	1/4	1,662.93	1/4	1,295.74	1/4	929.46	1/4	562.11	1/4	194.73	1/4		1/4		1/4	
1/2	2,390.26	1/2	2,022.76	1/2	1,655.27	1/2	1,288.12	1/2	921.81	1/2	554.45	1/2	187.09	1/2		1/2		1/2	
3/4	2,382.61	3/4	2,015.11	3/4	1,647.61	3/4	1,280.49	3/4	914.16	3/4	546.80	3/4	179.46	3/4		3/4		3/4	
2	2,374.95	2	2,007.45	2	1,639.96	2	1,272.87	2	906.51	2	539.14	2	171.83	2		2		2	
1/4	2,367.29	1/4	1,999.79	1/4	1,632.30	1/4	1,265.24	1/4	898.85	1/4	531.49	1/4	164.20	1/4		1/4		1/4	
1/2	2,359.64	1/2	1,992.14	1/2	1,624.65	1/2	1,257.62	1/2	891.20	1/2	523.83	1/2	156.58	1/2		1/2		1/2	
3/4	2,351.98	3/4	1,984.48	3/4	1,616.99	3/4	1,250.00	3/4	883.55	3/4	516.18	3/4	148.97	3/4		3/4		3/4	
3	2,344.33	3	1,976.83	3	1,609.33	3	1,242.37	3	875.90	3	508.53	3	141.36	3		3		3	
1/4	2,336.67	1/4	1,969.17	1/4	1,601.68	1/4	1,234.75	1/4	868.25	1/4	500.87	1/4	133.75	1/4		1/4		1/4	
1/2	2,329.01	1/2	1,961.51	1/2	1,594.02	1/2	1,227.12	1/2	860.59	1/2	493.22	1/2	126.17	1/2		1/2		1/2	
3/4	2,321.36	3/4	1,953.86	3/4	1,586.37	3/4	1,219.50	3/4	852.94	3/4	485.56	3/4	118.59	3/4		3/4		3/4	
4	2,313.70	4	1,946.20	4	1,578.71	4	1,211.88	4	845.29	4	477.91	4	111.02	4		4		4	
1/4	2,306.04	1/4	1,938.55	1/4	1,571.05	1/4	1,204.25	1/4	837.64	1/4	470.25	1/4	103.44	1/4		1/4		1/4	
1/2	2,298.39	1/2	1,930.89	1/2	1,563.40	1/2	1,196.63	1/2	829.98	1/2	462.60	1/2	96.22	1/2		1/2		1/2	
3/4	2,290.73	3/4	1,923.23	3/4	1,555.74	3/4	1,189.00	3/4	822.33	3/4	454.95	3/4	89.01	3/4		3/4		3/4	
5	2,283.08	5	1,915.58	5	1,548.08	5	1,181.38	5	814.68	5	447.29	5	81.79	5		5		5	
1/4	2,275.42	1/4	1,907.92	1/4	1,540.43	1/4	1,173.75	1/4	807.02	1/4	439.64	1/4	74.57	1/4		1/4		1/4	
1/2	2,267.76	1/2	1,900.27	1/2	1,532.77	1/2	1,166.13	1/2	799.37	1/2	431.98	1/2	68.35	1/2		1/2		1/2	
3/4	2,260.11	3/4	1,892.61	3/4	1,525.12	3/4	1,158.51	3/4	791.72	3/4	424.33	3/4	62.14	3/4		3/4		3/4	
6	2,252.45	6	1,884.95	6	1,517.46	6	1,150.88	6	784.07	6	416.68	6	55.92	6		6		6	
1/4	2,244.79	1/4	1,877.30	1/4	1,509.80	1/4	1,143.26	1/4	776.41	1/4	409.02	1/4	49.70	1/4		1/4		1/4	
1/2	2,237.14	1/2	1,869.64	1/2	1,502.15	1/2	1,135.63	1/2	768.76	1/2	401.37	1/2	44.76	1/2		1/2		1/2	
3/4	2,229.48	3/4	1,861.99	3/4	1,494.49	3/4	1,128.01	3/4	761.11	3/4	393.71	3/4	39.82	3/4		3/4		3/4	
7	2,221.82	7	1,854.33	7	1,486.84	7	1,120.38	7	753.45	7	386.06	7	34.87	7		7		7	
1/4	2,214.17	1/4	1,846.67	1/4	1,479.18	1/4	1,112.76	1/4	745.80	1/4	378.40	1/4	29.93	1/4		1/4		1/4	
1/2	2,206.51	1/2	1,839.02	1/2	1,471.52	1/2	1,105.14	1/2	738.15	1/2	370.74	1/2		1/2		1/2		1/2	
3/4	2,198.86	3/4	1,831.36	3/4	1,463.87	3/4	1,097.51	3/4	730.49	3/4	363.09	3/4		3/4		3/4		3/4	
8	2,191.20	8	1,823.70	8	1,456.21	8	1,089.89	8	722.84	8	355.43	8		8		8		8	
1/4	2,183.54	1/4	1,816.05	1/4	1,448.56	1/4	1,082.27	1/4	715.19	1/4	347.78	1/4		1/4		1/4		1/4	
1/2	2,175.89	1/2	1,808.39	1/2	1,440.90	1/2	1,074.64	1/2	707.54	1/2	340.12	1/2		1/2		1/2		1/2	
3/4	2,168.23	3/4	1,800.74	3/4	1,433.24	3/4	1,067.01	3/4	699.88	3/4	332.47	3/4		3/4		3/4		3/4	
9	2,160.57	9	1,793.08	9	1,425.59	9	1,059.39	9	692.23	9	324.81	9		9		9		9	
1/4	2,152.92	1/4	1,785.42	1/4	1,417.93	1/4	1,051.76	1/4	684.58	1/4	317.16	1/4		1/4		1/4		1/4	
1/2	2,145.26	1/2	1,777.77	1/2	1,410.28	1/2	1,044.14	1/2	676.92	1/2	309.50	1/2		1/2		1/2		1/2	
3/4	2,137.61	3/4	1,770.11	3/4	1,402.62	3/4	1,036.51	3/4	669.27	3/4	301.85	3/4		3/4		3/4		3/4	
10	2,129.95	10	1,762.46	10	1,394.96	10	1,028.88	10	661.61	10	294.19	10		10		10		10	
1/4	2,122.29	1/4	1,754.80	1/4	1,387.31	1/4	1,021.26	1/4	653.96	1/4	286.53	1/4		1/4		1/4		1/4	
1/2	2,114.64	1/2	1,747.14	1/2	1,379.67	1/2	1,013.61	1/2	646.30	1/2	278.88	1/2		1/2		1/2		1/2	
3/4	2,106.98	3/4	1,739.49	3/4	1,372.03	3/4	1,005.97	3/4	638.65	3/4	271.22	3/4		3/4		3/4		3/4	
11	2,099.32	11	1,731.83	11	1,364.39	11	998.33	11	630.99	11	263.57	11		11		11		11	
1/4	2,091.67	1/4	1,724.18	1/4	1,356.75	1/4	990.68	1/4	623.34	1/4	255.91	1/4		1/4		1/4		1/4	
1/2	2,084.01	1/2	1,716.52	1/2	1,349.13	1/2	983.03	1/2	615.69	1/2	248.26	1/2		1/2		1/2		1/2	
3/4	2,076.36	3/4	1,708.86	3/4	1,341.50	3/4	975.38	3/4	608.03	3/4	240.61	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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