



KIRBY 28313



Barge Strapping Tables





BARGE "KIRBY 28313"

ULLAGE TRIM TABLE

FORMERLY "DXE 2914"

	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	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
2 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
2 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
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: 235'-00"

April 5, 2002

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



BARGE "KIRBY 28313"

1 PORT ULLAGE TABLE

FORMERLY "DXE 2914"

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	2,160.72	0	1,809.43	0	1,458.15	0	1,106.87	0	757.34	0	429.57	0	130.27	0					
1/4	2,153.40	1/4	1,802.11	1/4	1,450.83	1/4	1,099.55	1/4	750.22	1/4	423.04	1/4	124.37	1/4					
1/2	2,146.08	1/2	1,794.80	1/2	1,443.51	1/2	1,092.23	1/2	743.11	1/2	416.50	1/2	118.47	1/2					
3/4	2,138.76	3/4	1,787.48	3/4	1,436.19	3/4	1,084.91	3/4	736.01	3/4	409.99	3/4	112.59	3/4					
1	2,131.44	1	1,780.16	1	1,428.88	1	1,077.59	1	728.94	1	403.51	1	106.76	1					
1 1/4	2,124.12	1 1/4	1,772.84	1 1/4	1,421.56	1 1/4	1,070.27	1 1/4	721.87	1 1/4	397.03	1 1/4	100.93	1 1/4					
1 1/2	2,116.81	1 1/2	1,765.52	1 1/2	1,414.24	1 1/2	1,062.96	1 1/2	714.80	1 1/2	390.55	1 1/2	95.10	1 1/2					
3/4	2,109.49	3/4	1,758.20	3/4	1,406.92	3/4	1,055.64	3/4	707.75	3/4	384.08	3/4	89.30	3/4					
2	2,102.17	2	1,750.89	2	1,399.60	2	1,048.32	2	700.73	2	377.65	2	83.55	2					
1 1/4	2,094.85	1 1/4	1,743.57	1 1/4	1,392.28	1 1/4	1,041.00	1 1/4	693.71	1 1/4	371.22	1 1/4	77.81	1 1/4					
1 1/2	2,087.53	1 1/2	1,736.25	1 1/2	1,384.97	1 1/2	1,033.68	1 1/2	686.70	1 1/2	364.79	1 1/2	72.06	1 1/2					
3/4	2,080.21	3/4	1,728.93	3/4	1,377.65	3/4	1,026.36	3/4	679.70	3/4	358.38	3/4	66.39	3/4					
3	2,072.90	3	1,721.61	3	1,370.33	3	1,019.05	3	672.73	3	352.00	3	60.88	3					
1 1/4	2,065.58	1 1/4	1,714.29	1 1/4	1,363.01	1 1/4	1,011.73	1 1/4	665.76	1 1/4	345.62	1 1/4	55.36	1 1/4					
1 1/2	2,058.26	1 1/2	1,706.98	1 1/2	1,355.69	1 1/2	1,004.41	1 1/2	658.80	1 1/2	339.24	1 1/2	49.84	1 1/2					
3/4	2,050.94	3/4	1,699.66	3/4	1,348.37	3/4	997.09	3/4	651.85	3/4	332.88	3/4	44.61	3/4					
4	2,043.62	4	1,692.34	4	1,341.06	4	989.77	4	644.94	4	326.55	4	39.87	4					
1 1/4	2,036.30	1 1/4	1,685.02	1 1/4	1,333.74	1 1/4	982.45	1 1/4	638.02	1 1/4	320.22	1 1/4	35.12	1 1/4					
1 1/2	2,028.98	1 1/2	1,677.70	1 1/2	1,326.42	1 1/2	975.14	1 1/2	631.11	1 1/2	313.89	1 1/2	30.38	1 1/2					
3/4	2,021.67	3/4	1,670.38	3/4	1,319.10	3/4	967.82	3/4	624.21	3/4	307.58	3/4	26.10	3/4					
5	2,014.35	5	1,663.06	5	1,311.78	5	960.50	5	617.35	5	301.30	5	22.61	5					
1 1/4	2,007.03	1 1/4	1,655.75	1 1/4	1,304.46	1 1/4	953.18	1 1/4	610.49	1 1/4	295.03	1 1/4	19.13	1 1/4					
1 1/2	1,999.71	1 1/2	1,648.43	1 1/2	1,297.14	1 1/2	945.86	1 1/2	603.62	1 1/2	288.75	1 1/2	15.64	1 1/2					
3/4	1,992.39	3/4	1,641.11	3/4	1,289.83	3/4	938.54	3/4	596.78	3/4	282.49	3/4	12.62	3/4					
6	1,985.07	6	1,633.79	6	1,282.51	6	931.23	6	589.96	6	276.26	6	10.39	6					
1 1/4	1,977.76	1 1/4	1,626.47	1 1/4	1,275.19	1 1/4	923.91	1 1/4	583.15	1 1/4	270.03	1 1/4		1 1/4					
1 1/2	1,970.44	1 1/2	1,619.15	1 1/2	1,267.87	1 1/2	916.60	1 1/2	576.33	1 1/2	263.80	1 1/2		1 1/2					
3/4	1,963.12	3/4	1,611.84	3/4	1,260.55	3/4	909.29	3/4	569.53	3/4	257.59	3/4		3/4					
7	1,955.80	7	1,604.52	7	1,253.23	7	901.98	7	562.76	7	251.41	7		7					
1 1/4	1,948.48	1 1/4	1,597.20	1 1/4	1,245.92	1 1/4	894.68	1 1/4	556.00	1 1/4	245.23	1 1/4		1 1/4					
1 1/2	1,941.16	1 1/2	1,589.88	1 1/2	1,238.60	1 1/2	887.37	1 1/2	549.23	1 1/2	239.05	1 1/2		1 1/2					
3/4	1,933.85	3/4	1,582.56	3/4	1,231.28	3/4	880.08	3/4	542.48	3/4	232.89	3/4		3/4					
8	1,926.53	8	1,575.24	8	1,223.96	8	872.79	8	535.75	8	226.76	8		8					
1 1/4	1,919.21	1 1/4	1,567.93	1 1/4	1,216.64	1 1/4	865.51	1 1/4	529.03	1 1/4	220.63	1 1/4		1 1/4					
1 1/2	1,911.89	1 1/2	1,560.61	1 1/2	1,209.32	1 1/2	858.22	1 1/2	522.31	1 1/2	214.50	1 1/2		1 1/2					
3/4	1,904.57	3/4	1,553.29	3/4	1,202.01	3/4	850.95	3/4	515.60	3/4	208.39	3/4		3/4					
9	1,897.25	9	1,545.97	9	1,194.69	9	843.70	9	508.92	9	202.31	9		9					
1 1/4	1,889.94	1 1/4	1,538.65	1 1/4	1,187.37	1 1/4	836.44	1 1/4	502.25	1 1/4	196.23	1 1/4		1 1/4					
1 1/2	1,882.62	1 1/2	1,531.33	1 1/2	1,180.05	1 1/2	829.19	1 1/2	495.57	1 1/2	190.15	1 1/2		1 1/2					
3/4	1,875.30	3/4	1,524.02	3/4	1,172.73	3/4	821.95	3/4	488.91	3/4	184.09	3/4		3/4					
10	1,867.98	10	1,516.70	10	1,165.41	10	814.73	10	482.28	10	178.07	10		10					
1 1/4	1,860.66	1 1/4	1,509.38	1 1/4	1,158.10	1 1/4	807.52	1 1/4	475.65	1 1/4	172.05	1 1/4		1 1/4					
1 1/2	1,853.34	1 1/2	1,502.06	1 1/2	1,150.78	1 1/2	800.31	1 1/2	469.02	1 1/2	166.02	1 1/2		1 1/2					
3/4	1,846.02	3/4	1,494.74	3/4	1,143.46	3/4	793.11	3/4	462.41	3/4	160.02	3/4		3/4					
11	1,838.71	11	1,487.42	11	1,136.14	11	785.94	11	455.83	11	154.05	11		11					
1 1/4	1,831.39	1 1/4	1,480.10	1 1/4	1,128.82	1 1/4	778.78	1 1/4	449.25	1 1/4	148.08	1 1/4		1 1/4					
1 1/2	1,824.07	1 1/2	1,472.79	1 1/2	1,121.50	1 1/2	771.61	1 1/2	442.67	1 1/2	142.12	1 1/2		1 1/2					
3/4	1,816.75	3/4	1,465.47	3/4	1,114.18	3/4	764.46	3/4	436.10	3/4	136.18	3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2002



BARGE "KIRBY 28313"

1 STBD ULLAGE TABLE

FORMERLY "DXE 2914"

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	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	1/4
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	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	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NPMMS 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 DEVIATOR
 TOP LIP OF STANDPIPE
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 47'-00" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (MANUAL) LOCATED 11'-06" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77568
<http://www.pmaacorp.net>



BARGE "KIRBY 28313"

1 STBD ULLAGE TABLE

FORMERLY "DXE 2814"

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	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	
0	2,154.19	0	1,804.00	0	1,453.80	0	1,103.60	0	755.15	0	428.37	0	129.93	0	0	0	0	0	0	0
1/4	2,146.90	1/4	1,796.70	1/4	1,446.50	1/4	1,096.30	1/4	748.06	1/4	421.85	1/4	124.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,139.60	1/2	1,789.40	1/2	1,439.21	1/2	1,089.01	1/2	740.96	1/2	415.34	1/2	118.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,132.31	3/4	1,782.11	3/4	1,431.91	3/4	1,081.71	3/4	733.88	3/4	408.85	3/4	112.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,125.01	1	1,774.81	1	1,424.61	1	1,074.42	1	726.84	1	402.38	1	106.49	1	1	1	1	1	1	1
1/4	2,117.72	1/4	1,767.52	1/4	1,417.32	1/4	1,067.12	1/4	719.79	1/4	395.92	1/4	100.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,110.42	1/2	1,760.22	1/2	1,410.02	1/2	1,059.82	1/2	712.74	1/2	389.46	1/2	94.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,103.12	3/4	1,752.93	3/4	1,402.73	3/4	1,052.53	3/4	705.71	3/4	383.01	3/4	89.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,095.83	2	1,745.63	2	1,395.43	2	1,045.23	2	698.72	2	376.60	2	83.34	2	2	2	2	2	2	2
1/4	2,088.53	1/4	1,738.33	1/4	1,388.14	1/4	1,037.94	1/4	691.72	1/4	370.19	1/4	77.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,081.24	1/2	1,731.04	1/2	1,380.84	1/2	1,030.64	1/2	684.72	1/2	363.78	1/2	71.88	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,073.94	3/4	1,723.74	3/4	1,373.54	3/4	1,023.35	3/4	677.74	3/4	357.39	3/4	66.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,066.64	3	1,716.45	3	1,366.25	3	1,016.05	3	670.80	3	351.02	3	60.73	3	3	3	3	3	3	3
1/4	2,059.35	1/4	1,709.15	1/4	1,358.95	1/4	1,008.75	1/4	663.86	1/4	344.66	1/4	55.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,052.05	1/2	1,701.85	1/2	1,351.66	1/2	1,001.46	1/2	656.91	1/2	338.30	1/2	49.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,044.76	3/4	1,694.56	3/4	1,344.36	3/4	994.16	3/4	649.99	3/4	331.96	3/4	44.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,037.46	4	1,687.26	4	1,337.06	4	986.87	4	643.09	4	325.65	4	39.78	4	4	4	4	4	4	4
1/4	2,030.17	1/4	1,679.97	1/4	1,329.77	1/4	979.57	1/4	636.20	1/4	319.34	1/4	35.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,022.87	1/2	1,672.67	1/2	1,322.47	1/2	972.27	1/2	629.31	1/2	313.03	1/2	30.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,015.57	3/4	1,665.38	3/4	1,315.18	3/4	964.98	3/4	622.43	3/4	306.74	3/4	26.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,008.28	5	1,658.08	5	1,307.88	5	957.68	5	615.59	5	300.48	5	22.57	5	5	5	5	5	5	5
1/4	2,000.98	1/4	1,650.78	1/4	1,300.59	1/4	950.39	1/4	608.75	1/4	294.22	1/4	19.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,993.69	1/2	1,643.49	1/2	1,293.29	1/2	943.09	1/2	601.90	1/2	287.96	1/2	15.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,986.39	3/4	1,636.19	3/4	1,285.99	3/4	935.80	3/4	595.08	3/4	281.71	3/4	12.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,979.10	6	1,628.90	6	1,278.70	6	928.50	6	588.28	6	275.50	6	10.37	6	6	6	6	6	6	6
1/4	1,971.80	1/4	1,621.60	1/4	1,271.40	1/4	921.21	1/4	581.49	1/4	269.29	1/4	7.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,964.50	1/2	1,614.31	1/2	1,264.11	1/2	913.92	1/2	574.69	1/2	263.08	1/2	5.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,957.21	3/4	1,607.01	3/4	1,256.81	3/4	906.63	3/4	567.91	3/4	256.88	3/4	4.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,949.91	7	1,599.71	7	1,249.52	7	899.35	7	561.17	7	250.72	7	3.11	7	7	7	7	7	7	7
1/4	1,942.62	1/4	1,592.42	1/4	1,242.22	1/4	892.07	1/4	554.42	1/4	244.56	1/4	2.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,935.32	1/2	1,585.12	1/2	1,234.92	1/2	884.78	1/2	547.67	1/2	238.40	1/2	1.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,928.02	3/4	1,577.83	3/4	1,227.63	3/4	877.51	3/4	540.94	3/4	232.25	3/4	1.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,920.73	8	1,570.53	8	1,220.33	8	870.25	8	534.23	8	226.14	8	0.61	8	8	8	8	8	8	8
1/4	1,913.43	1/4	1,563.23	1/4	1,213.04	1/4	862.99	1/4	527.53	1/4	220.03	1/4	0.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,906.14	1/2	1,555.94	1/2	1,205.74	1/2	855.72	1/2	520.83	1/2	213.92	1/2	0.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,898.84	3/4	1,548.64	3/4	1,198.44	3/4	848.47	3/4	514.14	3/4	207.83	3/4	0.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,891.55	9	1,541.35	9	1,191.15	9	841.24	9	507.49	9	201.77	9	0.01	9	9	9	9	9	9	9
1/4	1,884.25	1/4	1,534.05	1/4	1,183.85	1/4	834.01	1/4	500.83	1/4	195.71	1/4	0.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,876.95	1/2	1,526.76	1/2	1,176.56	1/2	826.78	1/2	494.17	1/2	189.64	1/2	0.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,869.66	3/4	1,519.46	3/4	1,169.26	3/4	819.56	3/4	487.53	3/4	183.60	3/4	0.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,862.36	10	1,512.16	10	1,161.97	10	812.37	10	480.92	10	177.60	10	0.01	10	10	10	10	10	10	10
1/4	1,855.07	1/4	1,504.87	1/4	1,154.67	1/4	805.18	1/4	474.31	1/4	171.59	1/4	0.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,847.77	1/2	1,497.57	1/2	1,147.37	1/2	797.99	1/2	467.70	1/2	165.58	1/2	0.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,840.48	3/4	1,490.28	3/4	1,140.08	3/4	790.81	3/4	461.11	3/4	159.59	3/4	0.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,833.18	11	1,482.98	11	1,132.78	11	783.67	11	454.55	11	153.64	11	0.01	11	11	11	11	11	11	11
1/4	1,825.88	1/4	1,475.69	1/4	1,125.49	1/4	776.52	1/4	447.99	1/4	147.69	1/4	0.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,818.59	1/2	1,468.39	1/2	1,118.19	1/2	769.38	1/2	441.42	1/2	141.75	1/2	0.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,811.29	3/4	1,461.09	3/4	1,110.90	3/4	762.25	3/4	434.88	3/4	135.82	3/4	0.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/1996 SI
REPRINTED: 04/05/2002 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2002

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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<http://www.dnmacorp.net>



BARGE "KIRBY 28313"

2 PORT ULLAGE TABLE

FORMERLY "DXE 2914"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 16'-05 3/4"																			
		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	IN	OUT
0	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	1/4	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	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	3/4	3/4
1	1	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	1/4	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	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	3/4	3/4
2	2	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	1/4	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	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	3/4	3/4
4	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	1/4	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	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	3/4	3/4
5	5	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	1/4	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	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	3/4	3/4
6	6	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	1/4	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	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	3/4	3/4
7	7	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	1/4	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	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	3/4	3/4
8	8	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	1/4	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	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	3/4	3/4
9	9	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	1/4	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	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	3/4	3/4
10	10	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	1/4	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	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	3/4	3/4
11	11	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	1/4	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	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	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE STOPS AT UNDERSIDE OF DECK AT GAUGE POINT.
 TOP LIP OF STANDPIPE
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 47'-00" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (MANUAL) LOCATED 11'-06" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28313"

2 PORT ULLAGE TABLE

FORMERLY "DXE 2914"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		FORMERLY "DXE 2914"										GAUGE HEIGHT 16'-05 3/4"		
IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.	IN	18 FT.	19 FT.	
0	2,386.46	0	2,019.80	0	1,653.14	0	1,286.48	0	919.83	0	553.26	0	186.70	0
1/4	2,378.82	3/4	2,012.16	1/4	1,645.50	1/4	1,278.84	1/4	912.19	1/4	545.63	1/4	179.08	1/4
1/2	2,371.18	1/2	2,004.52	1/2	1,637.86	1/2	1,271.20	1/2	904.56	1/2	537.99	1/2	171.47	1/2
3/4	2,363.55	3/4	1,996.88	3/4	1,630.22	3/4	1,263.56	3/4	896.92	3/4	530.35	3/4	163.86	3/4
1	2,355.91	1	1,989.24	1	1,622.58	1	1,255.92	1	889.29	1	522.71	1	156.26	1
1/4	2,348.27	1/4	1,981.61	1/4	1,614.94	1/4	1,248.28	1/4	881.65	1/4	515.07	1/4	148.66	1/4
1/2	2,340.63	1/2	1,973.97	1/2	1,607.30	1/2	1,240.64	1/2	874.01	1/2	507.44	1/2	141.06	1/2
3/4	2,332.99	3/4	1,966.33	3/4	1,599.67	3/4	1,233.00	3/4	866.38	3/4	499.80	3/4	133.49	3/4
2	2,325.35	2	1,958.69	2	1,592.03	2	1,225.36	2	858.74	2	492.16	2	125.91	2
1/4	2,317.71	1/4	1,951.05	1/4	1,584.39	1/4	1,217.73	1/4	851.10	1/4	484.52	1/4	118.34	1/4
1/2	2,310.07	1/2	1,943.41	1/2	1,576.75	1/2	1,210.09	1/2	843.47	1/2	476.89	1/2	110.83	1/2
3/4	2,302.44	3/4	1,935.77	3/4	1,569.11	3/4	1,202.45	3/4	835.83	3/4	469.25	3/4	103.44	3/4
3	2,294.80	3	1,928.13	3	1,561.47	3	1,194.81	3	828.19	3	461.61	3	96.05	3
1/4	2,287.16	1/4	1,920.50	1/4	1,553.83	1/4	1,187.17	1/4	820.56	1/4	453.97	1/4	88.66	1/4
1/2	2,279.52	1/2	1,912.86	1/2	1,546.19	1/2	1,179.53	1/2	812.92	1/2	446.34	1/2	81.55	1/2
3/4	2,271.88	3/4	1,905.22	3/4	1,538.56	3/4	1,171.89	3/4	805.28	3/4	438.70	3/4	74.91	3/4
4	2,264.24	4	1,897.58	4	1,530.92	4	1,164.25	4	797.65	4	431.06	4	68.27	4
1/4	2,256.60	1/4	1,889.94	1/4	1,523.28	1/4	1,156.62	1/4	790.01	1/4	423.42	1/4	61.64	1/4
1/2	2,248.96	1/2	1,882.30	1/2	1,515.64	1/2	1,148.98	1/2	782.38	1/2	415.79	1/2	55.47	1/2
3/4	2,241.33	3/4	1,874.66	3/4	1,508.00	3/4	1,141.34	3/4	774.74	3/4	408.15	3/4	50.10	3/4
5	2,233.69	5	1,867.02	5	1,500.36	5	1,133.70	5	767.10	5	400.51	5	44.73	5
1/4	2,226.05	1/4	1,859.39	1/4	1,492.72	1/4	1,126.06	1/4	759.47	1/4	392.87	1/4	39.36	1/4
1/2	2,218.41	1/2	1,851.75	1/2	1,485.08	1/2	1,118.42	1/2	751.83	1/2	385.24	1/2	34.46	1/2
3/4	2,210.77	3/4	1,844.11	3/4	1,477.45	3/4	1,110.78	3/4	744.19	3/4	377.60	3/4	30.37	3/4
6	2,203.13	6	1,836.47	6	1,469.81	6	1,103.14	6	736.56	6	369.96	6	26.48	6
1/4	2,195.49	1/4	1,828.83	1/4	1,462.17	1/4	1,095.51	1/4	728.92	1/4	362.32	1/4	22.60	1/4
1/2	2,187.85	1/2	1,821.19	1/2	1,454.53	1/2	1,087.87	1/2	721.28	1/2	354.68	1/2	18.72	1/2
3/4	2,180.21	3/4	1,813.55	3/4	1,446.89	3/4	1,080.23	3/4	713.65	3/4	347.04	3/4	14.84	3/4
7	2,172.58	7	1,805.91	7	1,439.25	7	1,072.59	7	706.01	7	339.40	7	10.96	7
1/4	2,164.94	1/4	1,798.27	1/4	1,431.61	1/4	1,064.95	1/4	698.38	1/4	331.76	1/4	7.08	1/4
1/2	2,157.30	1/2	1,790.64	1/2	1,423.97	1/2	1,057.31	1/2	690.74	1/2	324.12	1/2	3.20	1/2
3/4	2,149.66	3/4	1,783.00	3/4	1,416.33	3/4	1,049.67	3/4	683.10	3/4	316.49	3/4	0.32	3/4
8	2,142.02	8	1,775.36	8	1,408.70	8	1,042.03	8	675.46	8	308.85	8	0.44	8
1/4	2,134.38	1/4	1,767.72	1/4	1,401.06	1/4	1,034.39	1/4	667.83	1/4	301.21	1/4	0.56	1/4
1/2	2,126.74	1/2	1,760.08	1/2	1,393.42	1/2	1,026.76	1/2	660.19	1/2	293.57	1/2	0.68	1/2
3/4	2,119.10	3/4	1,752.44	3/4	1,385.78	3/4	1,019.12	3/4	652.55	3/4	285.93	3/4	0.80	3/4
9	2,111.47	9	1,744.80	9	1,378.14	9	1,011.48	9	644.91	9	278.29	9	0.92	9
1/4	2,103.83	1/4	1,737.16	1/4	1,370.50	1/4	1,003.84	1/4	637.27	1/4	270.65	1/4	1.04	1/4
1/2	2,096.19	1/2	1,729.53	1/2	1,362.86	1/2	996.20	1/2	629.64	1/2	263.01	1/2	1.16	1/2
3/4	2,088.55	3/4	1,721.89	3/4	1,355.22	3/4	988.56	3/4	622.00	3/4	255.38	3/4	1.28	3/4
10	2,080.91	10	1,714.25	10	1,347.59	10	980.93	10	614.36	10	247.74	10	1.40	10
1/4	2,073.27	1/4	1,706.61	1/4	1,339.95	1/4	973.29	1/4	606.73	1/4	240.10	1/4	1.52	1/4
1/2	2,065.63	1/2	1,698.97	1/2	1,332.31	1/2	965.65	1/2	599.09	1/2	232.47	1/2	1.64	1/2
3/4	2,057.99	3/4	1,691.33	3/4	1,324.67	3/4	958.01	3/4	591.45	3/4	224.84	3/4	1.76	3/4
11	2,050.35	11	1,683.69	11	1,317.03	11	950.38	11	583.81	11	217.20	11	1.88	11
1/4	2,042.72	1/4	1,676.05	1/4	1,309.39	1/4	942.74	1/4	576.18	1/4	209.57	1/4	1.99	1/4
1/2	2,035.08	1/2	1,668.42	1/2	1,301.75	1/2	935.10	1/2	568.54	1/2	201.95	1/2	2.11	1/2
3/4	2,027.44	3/4	1,660.78	3/4	1,294.11	3/4	927.47	3/4	560.90	3/4	194.32	3/4	2.23	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2002

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 28313"

2 STBD ULLAGE TABLE

FORMERLY "DXE 2914"

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	2,388.02	0	2,021.70	0	1,655.38	0	1,289.06	0	922.77	0	556.55	0	190.33	0		0			
1/4	2,380.38	1/4	2,014.07	1/4	1,647.75	1/4	1,281.43	1/4	915.14	1/4	548.92	1/4	182.72	1/4		1/4			
1/2	2,372.72	1/2	2,006.44	1/2	1,640.12	1/2	1,273.80	1/2	907.51	1/2	541.29	1/2	175.11	1/2		1/2			
3/4	2,365.12	3/4	1,998.80	3/4	1,632.49	3/4	1,266.17	3/4	899.88	3/4	533.66	3/4	167.51	3/4		3/4			
1	2,357.49	1	1,991.17	1	1,624.86	1	1,258.54	1	892.25	1	526.03	1	159.91	1		1			
1/4	2,349.86	1/4	1,983.54	1/4	1,617.22	1/4	1,250.91	1/4	884.62	1/4	518.40	1/4	152.31	1/4		1/4			
1/2	2,342.23	1/2	1,975.91	1/2	1,609.59	1/2	1,243.28	1/2	876.99	1/2	510.77	1/2	144.72	1/2		1/2			
3/4	2,334.59	3/4	1,968.28	3/4	1,601.96	3/4	1,235.64	3/4	869.36	3/4	503.14	3/4	137.14	3/4		3/4			
2	2,326.96	2	1,960.65	2	1,594.33	2	1,228.01	2	861.74	2	495.51	2	129.58	2		2			
1/4	2,319.33	1/4	1,953.01	1/4	1,586.70	1/4	1,220.38	1/4	854.11	1/4	487.87	1/4	122.01	1/4		1/4			
1/2	2,311.70	1/2	1,945.38	1/2	1,579.07	1/2	1,212.75	1/2	846.48	1/2	480.24	1/2	114.47	1/2		1/2			
3/4	2,304.07	3/4	1,937.75	3/4	1,571.43	3/4	1,205.12	3/4	838.85	3/4	472.61	3/4	107.03	3/4		3/4			
3	2,296.44	3	1,930.12	3	1,563.80	3	1,197.49	3	831.22	3	464.98	3	99.65	3		3			
1/4	2,288.80	1/4	1,922.49	1/4	1,556.17	1/4	1,189.85	1/4	823.59	1/4	457.35	1/4	92.27	1/4		1/4			
1/2	2,281.17	1/2	1,914.86	1/2	1,548.54	1/2	1,182.22	1/2	815.96	1/2	449.72	1/2	85.02	1/2		1/2			
3/4	2,273.54	3/4	1,907.22	3/4	1,540.91	3/4	1,174.59	3/4	808.33	3/4	442.09	3/4	78.16	3/4		3/4			
4	2,265.91	4	1,899.59	4	1,533.28	4	1,166.96	4	800.70	4	434.46	4	71.52	4		4			
1/4	2,258.28	1/4	1,891.96	1/4	1,525.64	1/4	1,159.33	1/4	793.07	1/4	426.83	1/4	64.89	1/4		1/4			
1/2	2,250.65	1/2	1,884.33	1/2	1,518.01	1/2	1,151.70	1/2	785.44	1/2	419.20	1/2	58.50	1/2		1/2			
3/4	2,243.01	3/4	1,876.70	3/4	1,510.38	3/4	1,144.06	3/4	777.81	3/4	411.57	3/4	52.74	3/4		3/4			
5	2,235.38	5	1,869.07	5	1,502.75	5	1,136.43	5	770.18	5	403.94	5	47.37	5		5			
1/4	2,227.75	1/4	1,861.43	1/4	1,495.12	1/4	1,128.80	1/4	762.56	1/4	396.31	1/4	42.01	1/4		1/4			
1/2	2,220.12	1/2	1,853.80	1/2	1,487.49	1/2	1,121.17	1/2	754.93	1/2	388.68	1/2	36.88	1/2		1/2			
3/4	2,212.49	3/4	1,846.17	3/4	1,479.85	3/4	1,113.54	3/4	747.30	3/4	381.05	3/4	32.39	3/4		3/4			
6	2,204.86	6	1,838.54	6	1,472.22	6	1,105.91	6	739.67	6	373.42	6	30.34	6		6			
1/4	2,197.23	1/4	1,830.91	1/4	1,464.59	1/4	1,098.27	1/4	732.04	1/4	365.79	1/4		1/4		1/4			
1/2	2,189.59	1/2	1,823.28	1/2	1,456.96	1/2	1,090.64	1/2	724.41	1/2	358.15	1/2		1/2		1/2			
3/4	2,181.96	3/4	1,815.65	3/4	1,449.33	3/4	1,083.01	3/4	716.78	3/4	350.52	3/4		3/4		3/4			
7	2,174.33	7	1,808.01	7	1,441.70	7	1,075.38	7	709.15	7	342.89	7		7		7			
1/4	2,166.70	1/4	1,800.38	1/4	1,434.07	1/4	1,067.75	1/4	701.52	1/4	335.26	1/4		1/4		1/4			
1/2	2,159.07	1/2	1,792.75	1/2	1,426.43	1/2	1,060.12	1/2	693.89	1/2	327.63	1/2		1/2		1/2			
3/4	2,151.44	3/4	1,785.12	3/4	1,418.80	3/4	1,052.49	3/4	686.26	3/4	320.00	3/4		3/4		3/4			
8	2,143.80	8	1,777.49	8	1,411.17	8	1,044.85	8	678.63	8	312.37	8		8		8			
1/4	2,136.17	1/4	1,769.86	1/4	1,403.54	1/4	1,037.22	1/4	671.00	1/4	304.74	1/4		1/4		1/4			
1/2	2,128.54	1/2	1,762.22	1/2	1,395.91	1/2	1,029.59	1/2	663.37	1/2	297.10	1/2		1/2		1/2			
3/4	2,120.91	3/4	1,754.59	3/4	1,388.28	3/4	1,021.96	3/4	655.74	3/4	289.47	3/4		3/4		3/4			
9	2,113.28	9	1,746.96	9	1,380.64	9	1,014.33	9	648.11	9	281.84	9		9		9			
1/4	2,105.65	1/4	1,739.33	1/4	1,373.01	1/4	1,006.70	1/4	640.48	1/4	274.21	1/4		1/4		1/4			
1/2	2,098.01	1/2	1,731.70	1/2	1,365.38	1/2	999.06	1/2	632.85	1/2	266.58	1/2		1/2		1/2			
3/4	2,090.38	3/4	1,724.07	3/4	1,357.75	3/4	991.43	3/4	625.22	3/4	258.95	3/4		3/4		3/4			
10	2,082.75	10	1,716.43	10	1,350.12	10	983.80	10	617.59	10	251.32	10		10		10			
1/4	2,075.12	1/4	1,708.80	1/4	1,342.49	1/4	976.17	1/4	609.96	1/4	243.69	1/4		1/4		1/4			
1/2	2,067.49	1/2	1,701.17	1/2	1,334.85	1/2	968.54	1/2	602.33	1/2	236.06	1/2		1/2		1/2			
3/4	2,059.86	3/4	1,693.54	3/4	1,327.22	3/4	960.91	3/4	594.70	3/4	228.43	3/4		3/4		3/4			
11	2,052.22	11	1,685.91	11	1,319.59	11	953.29	11	587.07	11	220.81	11		11		11			
1/4	2,044.59	1/4	1,678.28	1/4	1,311.96	1/4	945.66	1/4	579.44	1/4	213.18	1/4		1/4		1/4			
1/2	2,036.96	1/2	1,670.64	1/2	1,304.33	1/2	938.03	1/2	571.81	1/2	205.56	1/2		1/2		1/2			
3/4	2,029.33	3/4	1,663.01	3/4	1,296.70	3/4	930.40	3/4	564.18	3/4	197.95	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/1986 SI
 REPRINTED: 04/05/2002 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 02/2002

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



BARGE "KIRBY 28313"

3 PORT ULLAGE TABLE

FORMERLY "DXE 2914"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 16'-06"																													
		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	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	0	0	0	0	0	0	0	0	0	0		
1/4	1/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1/2	1/2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3/4	3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1 1/4	1 1/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1 1/2	1 1/2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1 3/4	1 3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2 1/4	2 1/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2 1/2	2 1/2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2 3/4	2 3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3 1/4	3 1/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3 1/2	3 1/2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3 3/4	3 3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4 1/4	4 1/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4 1/2	4 1/2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4 3/4	4 3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5 1/4	5 1/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5 1/2	5 1/2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5 3/4	5 3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6 1/4	6 1/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6 1/2	6 1/2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6 3/4	6 3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7 1/4	7 1/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7 1/2	7 1/2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7 3/4	7 3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8 1/4	8 1/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8 1/2	8 1/2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8 3/4	8 3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9 1/4	9 1/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9 1/2	9 1/2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9 3/4	9 3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10 1/4	10 1/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10 1/2	10 1/2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10 3/4	10 3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11 1/4	11 1/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11 1/2	11 1/2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11 3/4	11 3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIPMS 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
 TOP LIP OF STANDPIPE
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 47'-00" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (MANUAL) LOCATED 11'-06" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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Paul J. ...



BARGE "KIRBY 28313"

3 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-06"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		FORMERLY "DXE 2914"																				
		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	IN	0	
0	2,378.23	0	2,013.75	0	1,649.26	0	1,285.10	0	921.82	0	557.48	0	193.13	0	193.13	0	193.13	0	193.13	0	193.13	0
1/4	2,370.63	1/4	2,006.15	1/4	1,641.67	1/4	1,277.54	1/4	914.23	1/4	549.88	1/4	185.55	1/4	185.55	1/4	185.55	1/4	185.55	1/4	185.55	1/4
1/2	2,363.04	1/2	1,998.56	1/2	1,634.08	1/2	1,269.98	1/2	906.64	1/2	542.29	1/2	177.98	1/2	177.98	1/2	177.98	1/2	177.98	1/2	177.98	1/2
3/4	2,355.44	3/4	1,990.97	3/4	1,626.48	3/4	1,262.41	3/4	899.05	3/4	534.70	3/4	170.41	3/4	170.41	3/4	170.41	3/4	170.41	3/4	170.41	3/4
1	2,347.85	1	1,983.37	1	1,618.89	1	1,254.85	1	891.46	1	527.11	1	162.85	1	162.85	1	162.85	1	162.85	1	162.85	1
1 1/4	2,340.26	1 1/4	1,975.78	1 1/4	1,611.30	1 1/4	1,247.29	1 1/4	883.87	1 1/4	519.52	1 1/4	155.30	1 1/4	155.30	1 1/4	155.30	1 1/4	155.30	1 1/4	155.30	1 1/4
1 1/2	2,332.66	1 1/2	1,968.18	1 1/2	1,603.70	1 1/2	1,239.73	1 1/2	876.28	1 1/2	511.93	1 1/2	147.74	1 1/2	147.74	1 1/2	147.74	1 1/2	147.74	1 1/2	147.74	1 1/2
3/4	2,325.07	3/4	1,960.59	3/4	1,596.11	3/4	1,232.16	3/4	868.69	3/4	504.34	3/4	140.19	3/4	140.19	3/4	140.19	3/4	140.19	3/4	140.19	3/4
2	2,317.48	2	1,953.00	2	1,588.51	2	1,224.60	2	861.10	2	496.75	2	132.66	2	132.66	2	132.66	2	132.66	2	132.66	2
1 1/4	2,309.88	1 1/4	1,945.40	1 1/4	1,580.92	1 1/4	1,217.04	1 1/4	853.51	1 1/4	489.16	1 1/4	125.13	1 1/4	125.13	1 1/4	125.13	1 1/4	125.13	1 1/4	125.13	1 1/4
1 1/2	2,302.29	1 1/2	1,937.81	1 1/2	1,573.33	1 1/2	1,209.48	1 1/2	845.92	1 1/2	481.57	1 1/2	117.60	1 1/2	117.60	1 1/2	117.60	1 1/2	117.60	1 1/2	117.60	1 1/2
3/4	2,294.69	3/4	1,930.22	3/4	1,565.73	3/4	1,201.91	3/4	838.33	3/4	473.97	3/4	110.14	3/4	110.14	3/4	110.14	3/4	110.14	3/4	110.14	3/4
3	2,287.10	3	1,922.62	3	1,558.14	3	1,194.35	3	830.74	3	466.38	3	102.80	3	102.80	3	102.80	3	102.80	3	102.80	3
1 1/4	2,279.51	1 1/4	1,915.03	1 1/4	1,550.55	1 1/4	1,186.79	1 1/4	823.15	1 1/4	458.79	1 1/4	95.45	1 1/4	95.45	1 1/4	95.45	1 1/4	95.45	1 1/4	95.45	1 1/4
1 1/2	2,271.91	1 1/2	1,907.44	1 1/2	1,542.95	1 1/2	1,179.22	1 1/2	815.56	1 1/2	451.20	1 1/2	88.11	1 1/2	88.11	1 1/2	88.11	1 1/2	88.11	1 1/2	88.11	1 1/2
3/4	2,264.33	3/4	1,899.84	3/4	1,535.36	3/4	1,171.66	3/4	807.97	3/4	443.61	3/4	81.04	3/4	81.04	3/4	81.04	3/4	81.04	3/4	81.04	3/4
4	2,256.73	4	1,892.25	4	1,527.77	4	1,164.10	4	800.38	4	436.02	4	74.45	4	74.45	4	74.45	4	74.45	4	74.45	4
1 1/4	2,249.14	1 1/4	1,884.66	1 1/4	1,520.17	1 1/4	1,156.54	1 1/4	792.79	1 1/4	428.43	1 1/4	67.85	1 1/4	67.85	1 1/4	67.85	1 1/4	67.85	1 1/4	67.85	1 1/4
1 1/2	2,241.55	1 1/2	1,877.06	1 1/2	1,512.58	1 1/2	1,148.97	1 1/2	785.20	1 1/2	420.84	1 1/2	61.25	1 1/2	61.25	1 1/2	61.25	1 1/2	61.25	1 1/2	61.25	1 1/2
3/4	2,233.95	3/4	1,869.47	3/4	1,504.99	3/4	1,141.41	3/4	777.61	3/4	413.25	3/4	55.13	3/4	55.13	3/4	55.13	3/4	55.13	3/4	55.13	3/4
5	2,226.36	5	1,861.88	5	1,497.39	5	1,133.85	5	770.02	5	405.65	5	49.79	5	49.79	5	49.79	5	49.79	5	49.79	5
1 1/4	2,218.77	1 1/4	1,854.28	1 1/4	1,489.80	1 1/4	1,126.29	1 1/4	762.43	1 1/4	398.06	1 1/4	44.46	1 1/4	44.46	1 1/4	44.46	1 1/4	44.46	1 1/4	44.46	1 1/4
1 1/2	2,211.17	1 1/2	1,846.69	1 1/2	1,482.21	1 1/2	1,118.73	1 1/2	754.84	1 1/2	390.47	1 1/2	39.12	1 1/2	39.12	1 1/2	39.12	1 1/2	39.12	1 1/2	39.12	1 1/2
3/4	2,203.58	3/4	1,839.10	3/4	1,474.61	3/4	1,111.17	3/4	747.25	3/4	382.88	3/4	34.26	3/4	34.26	3/4	34.26	3/4	34.26	3/4	34.26	3/4
6	2,195.99	6	1,831.50	6	1,467.02	6	1,103.60	6	739.66	6	375.29	6	30.19	6	30.19	6	30.19	6	30.19	6	30.19	6
1 1/4	2,188.39	1 1/4	1,823.91	1 1/4	1,459.43	1 1/4	1,096.04	1 1/4	732.07	1 1/4	367.70	1 1/4	30.19	1 1/4	30.19	1 1/4	30.19	1 1/4	30.19	1 1/4	30.19	1 1/4
1 1/2	2,180.80	1 1/2	1,816.32	1 1/2	1,451.83	1 1/2	1,088.48	1 1/2	724.48	1 1/2	360.10	1 1/2	24.46	1 1/2	24.46	1 1/2	24.46	1 1/2	24.46	1 1/2	24.46	1 1/2
3/4	2,173.21	3/4	1,808.72	3/4	1,444.24	3/4	1,080.92	3/4	716.89	3/4	352.51	3/4	18.73	3/4	18.73	3/4	18.73	3/4	18.73	3/4	18.73	3/4
7	2,165.61	7	1,801.13	7	1,436.65	7	1,073.36	7	709.30	7	344.92	7	12.80	7	12.80	7	12.80	7	12.80	7	12.80	7
1 1/4	2,158.02	1 1/4	1,793.54	1 1/4	1,429.05	1 1/4	1,065.80	1 1/4	701.71	1 1/4	337.33	1 1/4	6.97	1 1/4	6.97	1 1/4	6.97	1 1/4	6.97	1 1/4	6.97	1 1/4
1 1/2	2,150.43	1 1/2	1,785.94	1 1/2	1,421.46	1 1/2	1,058.24	1 1/2	694.12	1 1/2	329.73	1 1/2	1.04	1 1/2	1.04	1 1/2	1.04	1 1/2	1.04	1 1/2	1.04	1 1/2
3/4	2,142.83	3/4	1,778.35	3/4	1,413.87	3/4	1,050.67	3/4	686.53	3/4	322.14	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4
8	2,135.24	8	1,770.76	8	1,406.27	8	1,043.11	8	678.94	8	314.55	8	0.00	8	0.00	8	0.00	8	0.00	8	0.00	8
1 1/4	2,127.65	1 1/4	1,763.16	1 1/4	1,398.68	1 1/4	1,035.55	1 1/4	671.35	1 1/4	306.96	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4
1 1/2	2,120.05	1 1/2	1,755.57	1 1/2	1,391.09	1 1/2	1,027.99	1 1/2	663.76	1 1/2	299.36	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2
3/4	2,112.46	3/4	1,747.98	3/4	1,383.50	3/4	1,020.42	3/4	656.17	3/4	291.77	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4
9	2,104.87	9	1,740.38	9	1,375.91	9	1,012.85	9	648.57	9	284.18	9	0.00	9	0.00	9	0.00	9	0.00	9	0.00	9
1 1/4	2,097.27	1 1/4	1,732.79	1 1/4	1,368.33	1 1/4	1,005.28	1 1/4	640.98	1 1/4	276.59	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4
1 1/2	2,089.68	1 1/2	1,725.20	1 1/2	1,360.74	1 1/2	997.71	1 1/2	633.39	1 1/2	268.99	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2
3/4	2,082.09	3/4	1,717.60	3/4	1,353.16	3/4	990.13	3/4	625.79	3/4	261.40	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4
10	2,074.49	10	1,710.01	10	1,345.60	10	982.54	10	618.20	10	253.81	10	0.00	10	0.00	10	0.00	10	0.00	10	0.00	10
1 1/4	2,066.90	1 1/4	1,702.42	1 1/4	1,338.04	1 1/4	974.95	1 1/4	610.61	1 1/4	246.22	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4
1 1/2	2,059.31	1 1/2	1,694.82	1 1/2	1,330.48	1 1/2	967.36	1 1/2	603.02	1 1/2	238.63	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2
3/4	2,051.71	3/4	1,687.23	3/4	1,322.91	3/4	959.77	3/4	595.43	3/4	231.04	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4
11	2,044.12	11	1,679.64	11	1,315.35	11	952.18	11	587.84	11	223.46	11	0.00	11	0.00	11	0.00	11	0.00	11	0.00	11
1 1/4	2,036.53	1 1/4	1,672.04	1 1/4	1,307.79	1 1/4	944.59	1 1/4	580.25	1 1/4	215.87	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4	0.00	1 1/4
1 1/2	2,028.93	1 1/2	1,664.45	1 1/2	1,300.23	1 1/2	937.00	1 1/2	572.66	1 1/2	208.29	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2	0.00	1 1/2
3/4	2,021.34	3/4	1,656.86	3/4	1,292.66	3/4	929.41	3/4	565.07	3/4	200.70	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4	0.00	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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STRAPPED: 03/12/1986 SI
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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2002



BARGE "KIRBY 28313"

3 STBD

ULLAGE TABLE

GAUGE HEIGHT 16'-06"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		FORMERLY "DXE 2914"		6 FT.		7 FT.		8 FT.		9 FT.										
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	
0	0	0	0	0	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	1/4
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	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	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4
12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2
12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPNS 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 DEVIATOR
 TOP LIP OF STANDPIPE
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 47'-00" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (MANUAL) LOCATED 11'-06" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28313"

3 STBD ULLAGE TABLE

FORMERLY "DXE 2914"

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	2,386.76	0	2,020.97	0	1,655.18	0	1,289.71	0	925.12	0	559.48	0	193.82	0	0	0	0	0	0
1/4	2,379.14	1/4	2,013.34	1/4	1,647.56	1/4	1,282.12	1/4	917.51	1/4	551.86	1/4	186.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,371.52	1/2	2,005.72	1/2	1,639.94	1/2	1,274.53	1/2	909.89	1/2	544.24	1/2	178.61	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,363.90	3/4	1,998.10	3/4	1,632.31	3/4	1,266.94	3/4	902.27	3/4	536.62	3/4	171.02	3/4	3/4	3/4	3/4	3/4	3/4
1	2,356.28	1	1,990.48	1	1,624.69	1	1,259.35	1	894.66	1	529.00	1	163.43	1	1	1	1	1	1
1/4	2,348.66	1/4	1,982.86	1/4	1,617.07	1/4	1,251.76	1/4	887.04	1/4	521.38	1/4	155.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,341.04	1/2	1,975.24	1/2	1,609.45	1/2	1,244.17	1/2	879.42	1/2	513.77	1/2	148.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,333.42	3/4	1,967.62	3/4	1,601.83	3/4	1,236.58	3/4	871.80	3/4	506.15	3/4	140.69	3/4	3/4	3/4	3/4	3/4	3/4
1	2,325.79	1	1,960.00	1	1,594.21	1	1,228.99	1	864.19	1	498.53	1	133.14	1	1	1	1	1	1
1/4	2,318.17	1/4	1,952.38	1/4	1,586.59	1/4	1,221.40	1/4	856.57	1/4	490.91	1/4	125.58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,310.55	1/2	1,944.76	1/2	1,578.97	1/2	1,213.81	1/2	848.95	1/2	483.29	1/2	118.02	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,302.93	3/4	1,937.14	3/4	1,571.35	3/4	1,206.22	3/4	841.34	3/4	475.67	3/4	110.54	3/4	3/4	3/4	3/4	3/4	3/4
1	2,295.31	1	1,929.52	1	1,563.73	1	1,198.63	1	833.72	1	468.06	1	103.16	1	1	1	1	1	1
1/4	2,287.69	1/4	1,921.90	1/4	1,556.11	1/4	1,191.04	1/4	826.10	1/4	460.44	1/4	95.79	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,280.07	1/2	1,914.28	1/2	1,548.49	1/2	1,183.45	1/2	818.48	1/2	452.82	1/2	88.42	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,272.45	3/4	1,906.66	3/4	1,540.87	3/4	1,175.87	3/4	810.87	3/4	445.20	3/4	81.33	3/4	3/4	3/4	3/4	3/4	3/4
1	2,264.82	1	1,899.04	1	1,533.25	1	1,168.28	1	803.25	1	437.58	1	74.71	1	1	1	1	1	1
1/4	2,257.20	1/4	1,891.42	1/4	1,525.63	1/4	1,160.69	1/4	795.63	1/4	429.96	1/4	68.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,249.58	1/2	1,883.79	1/2	1,518.01	1/2	1,153.10	1/2	788.01	1/2	422.34	1/2	61.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,241.96	3/4	1,876.17	3/4	1,510.39	3/4	1,145.51	3/4	780.40	3/4	414.73	3/4	55.32	3/4	3/4	3/4	3/4	3/4	3/4
1	2,234.34	1	1,868.55	1	1,502.76	1	1,137.92	1	772.78	1	407.11	1	49.97	1	1	1	1	1	1
1/4	2,226.72	1/4	1,860.93	1/4	1,495.14	1/4	1,130.33	1/4	765.16	1/4	399.49	1/4	44.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,219.10	1/2	1,853.31	1/2	1,487.52	1/2	1,122.74	1/2	757.55	1/2	391.87	1/2	39.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,211.48	3/4	1,845.69	3/4	1,479.90	3/4	1,115.15	3/4	749.93	3/4	384.25	3/4	34.38	3/4	3/4	3/4	3/4	3/4	3/4
1	2,203.86	1	1,838.07	1	1,472.28	1	1,107.56	1	742.31	1	376.63	1	30.30	1	1	1	1	1	1
1/4	2,196.24	1/4	1,830.45	1/4	1,464.66	1/4	1,099.98	1/4	734.69	1/4	369.01	1/4	30.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,188.62	1/2	1,822.83	1/2	1,457.04	1/2	1,092.39	1/2	727.08	1/2	361.39	1/2	25.42	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,181.00	3/4	1,815.21	3/4	1,449.42	3/4	1,084.80	3/4	719.46	3/4	353.77	3/4	20.58	3/4	3/4	3/4	3/4	3/4	3/4
1	2,173.38	1	1,807.59	1	1,441.80	1	1,077.21	1	711.84	1	346.15	1	15.74	1	1	1	1	1	1
1/4	2,165.76	1/4	1,799.97	1/4	1,434.18	1/4	1,069.62	1/4	704.23	1/4	338.53	1/4	10.89	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,158.14	1/2	1,792.35	1/2	1,426.56	1/2	1,062.03	1/2	696.61	1/2	330.91	1/2	6.04	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,150.52	3/4	1,784.73	3/4	1,418.94	3/4	1,054.44	3/4	688.99	3/4	323.29	3/4	1.19	3/4	3/4	3/4	3/4	3/4	3/4
1	2,142.90	1	1,777.11	1	1,411.32	1	1,046.85	1	681.37	1	315.67	1	0.34	1	1	1	1	1	1
1/4	2,135.27	1/4	1,769.49	1/4	1,403.70	1/4	1,039.26	1/4	673.75	1/4	308.05	1/4	0.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,127.65	1/2	1,761.87	1/2	1,396.08	1/2	1,031.68	1/2	666.14	1/2	300.43	1/2	0.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,120.03	3/4	1,754.24	3/4	1,388.46	3/4	1,024.08	3/4	658.52	3/4	292.81	3/4	0.79	3/4	3/4	3/4	3/4	3/4	3/4
1	2,112.41	1	1,746.62	1	1,380.85	1	1,016.49	1	650.90	1	285.19	1	0.94	1	1	1	1	1	1
1/4	2,104.79	1/4	1,739.00	1/4	1,373.24	1/4	1,008.89	1/4	643.28	1/4	277.58	1/4	1.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,097.17	1/2	1,731.38	1/2	1,365.62	1/2	1,001.29	1/2	635.66	1/2	269.96	1/2	1.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,089.55	3/4	1,723.76	3/4	1,358.02	3/4	993.69	3/4	628.04	3/4	262.34	3/4	1.39	3/4	3/4	3/4	3/4	3/4	3/4
1	2,081.93	1	1,716.14	1	1,350.43	1	986.07	1	620.42	1	254.72	1	1.54	1	1	1	1	1	1
1/4	2,074.31	1/4	1,708.52	1/4	1,342.84	1/4	978.45	1/4	612.80	1/4	247.10	1/4	1.69	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,066.69	1/2	1,700.90	1/2	1,335.25	1/2	970.83	1/2	605.19	1/2	239.48	1/2	1.84	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,059.07	3/4	1,693.28	3/4	1,327.66	3/4	963.21	3/4	597.57	3/4	231.87	3/4	1.99	3/4	3/4	3/4	3/4	3/4	3/4
1	2,051.45	1	1,685.66	1	1,320.07	1	955.59	1	589.95	1	224.25	1	2.14	1	1	1	1	1	1
1/4	2,043.83	1/4	1,678.04	1/4	1,312.48	1/4	947.98	1/4	582.33	1/4	216.64	1/4	2.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,036.21	1/2	1,670.42	1/2	1,304.89	1/2	940.36	1/2	574.71	1/2	209.03	1/2	2.44	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,028.59	3/4	1,662.80	3/4	1,297.30	3/4	932.74	3/4	567.09	3/4	201.42	3/4	2.59	3/4	3/4	3/4	3/4	3/4	3/4

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