



KIRBY 18602



Barge Strapping Tables





BARGE "KIRBY 18602"

ULLAGE TRIM TABLE

FORMERLY "KEX 1902"

	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	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-1/4	- 02-1/4
1 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-1/4	- 02-1/4
2 CNTR	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/8	- 02-1/8
3 CNTR	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/8	- 02-1/8
4 PORT	00-5/8	- 00-5/8	01-1/4	- 01-1/4	01-7/8	- 01-7/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4	03-7/8	- 03-7/8
4 STBD	00-5/8	- 00-5/8	01-1/4	- 01-1/4	01-7/8	- 01-7/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4	03-7/8	- 03-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT	=	6'-00"
AFT DRAFT	=	9'-00"
DIFF.	=	3'-00" (DOWN BY STERN)

THE CORRECTION FOR 3'-00" (1 PORT) FROM ABOVE TABLE IS -01-1/8" OBSERVED ULLAGE GAUGE OF 4-0-0
 THE TRIM CORRECTED ULLAGE IS 3'-10-7/8"

LENGTH BETWEEN DRAFT MARKS: 169.00'

August 3, 2004

PRECISION MEASUREMENT
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<http://www.pmacorp.net>



BARGE "KIRBY 18602"

1 PORT ULLAGE TABLE

FORMERLY "KEX 1802"

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.	
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N
0	1,034.93	0	875.05	0	715.15	0	555.25	0	395.35	0	235.46	0	75.56	0	0	0	0	0	0
1/4	1,031.80	1/4	871.71	1/4	711.81	1/4	551.92	1/4	392.02	1/4	232.12	1/4	72.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,028.26	1/2	868.38	1/2	708.48	1/2	548.59	1/2	388.89	1/2	228.79	1/2	69.89	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,024.93	3/4	865.05	3/4	705.15	3/4	545.26	3/4	385.36	3/4	225.46	3/4	65.56	3/4	3/4	3/4	3/4	3/4	3/4
1	1,021.61	1	861.72	1	701.82	1	541.93	1	382.03	1	222.13	1	62.23	1	1	1	1	1	1
1/4	1,018.28	1/4	858.39	1/4	698.49	1/4	538.59	1/4	378.69	1/4	218.80	1/4	58.90	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,014.95	1/2	855.06	1/2	695.16	1/2	535.26	1/2	375.36	1/2	215.47	1/2	55.57	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,011.62	3/4	851.73	3/4	691.83	3/4	531.93	3/4	372.03	3/4	212.14	3/4	52.24	3/4	3/4	3/4	3/4	3/4	3/4
1	1,008.29	1	848.40	1	688.50	1	528.60	1	368.70	1	208.81	1	48.91	1	1	1	1	1	1
1/4	1,004.96	1/4	845.06	1/4	685.16	1/4	525.27	1/4	365.37	1/4	205.47	1/4	45.57	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,001.63	1/2	841.73	1/2	681.83	1/2	521.94	1/2	362.04	1/2	202.14	1/2	42.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	998.30	3/4	838.40	3/4	678.50	3/4	518.61	3/4	358.71	3/4	198.81	3/4	39.15	3/4	3/4	3/4	3/4	3/4	3/4
1	994.97	1	835.07	1	675.17	1	515.28	1	355.38	1	195.48	1	36.07	1	1	1	1	1	1
1/4	991.63	1/4	831.74	1/4	671.84	1/4	511.94	1/4	352.04	1/4	192.15	1/4	32.98	1/4	1/4	1/4	1/4	1/4	1/4
1/2	988.30	1/2	828.41	1/2	668.51	1/2	508.61	1/2	348.71	1/2	188.82	1/2	30.02	1/2	1/2	1/2	1/2	1/2	1/2
3/4	984.97	3/4	825.08	3/4	665.18	3/4	505.28	3/4	345.38	3/4	185.49	3/4	27.32	3/4	3/4	3/4	3/4	3/4	3/4
1	981.63	1	821.75	1	661.85	1	501.95	1	342.05	1	182.16	1	24.76	1	1	1	1	1	1
1/4	978.30	1/4	818.41	1/4	658.51	1/4	498.62	1/4	338.72	1/4	178.82	1/4	22.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	974.96	1/2	815.08	1/2	655.18	1/2	495.29	1/2	335.39	1/2	175.49	1/2	19.78	1/2	1/2	1/2	1/2	1/2	1/2
3/4	971.63	3/4	811.75	3/4	651.85	3/4	491.96	3/4	332.06	3/4	172.16	3/4	17.82	3/4	3/4	3/4	3/4	3/4	3/4
1	968.31	1	808.42	1	648.52	1	488.63	1	328.73	1	168.83	1	15.61	1	1	1	1	1	1
1/4	964.98	1/4	805.09	1/4	645.19	1/4	485.29	1/4	325.39	1/4	165.50	1/4	13.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	961.65	1/2	801.76	1/2	641.86	1/2	481.96	1/2	322.06	1/2	162.17	1/2	11.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	958.32	3/4	798.43	3/4	638.53	3/4	478.63	3/4	318.73	3/4	158.84	3/4	10.80	3/4	3/4	3/4	3/4	3/4	3/4
1	954.99	1	795.10	1	635.20	1	475.30	1	315.40	1	155.51	1	8	1	1	1	1	1	1
1/4	951.66	1/4	791.76	1/4	631.86	1/4	471.97	1/4	312.07	1/4	152.17	1/4	5.90	1/4	1/4	1/4	1/4	1/4	1/4
1/2	948.33	1/2	788.43	1/2	628.53	1/2	468.64	1/2	308.74	1/2	148.84	1/2	3.90	1/2	1/2	1/2	1/2	1/2	1/2
3/4	945.00	3/4	785.10	3/4	625.20	3/4	465.31	3/4	305.41	3/4	145.51	3/4	1.90	3/4	3/4	3/4	3/4	3/4	3/4
1	941.67	1	781.77	1	621.87	1	461.98	1	302.08	1	142.18	1	0	1	1	1	1	1	1
1/4	938.34	1/4	778.44	1/4	618.54	1/4	458.64	1/4	298.74	1/4	138.85	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	935.01	1/2	775.11	1/2	615.21	1/2	455.31	1/2	295.41	1/2	135.52	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	931.68	3/4	771.78	3/4	611.88	3/4	451.98	3/4	292.08	3/4	132.19	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
1	928.35	1	768.45	1	608.55	1	448.65	1	288.75	1	128.86	1	0	1	1	1	1	1	1
1/4	925.01	1/4	765.11	1/4	605.22	1/4	445.32	1/4	285.42	1/4	125.52	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	921.68	1/2	761.78	1/2	601.89	1/2	441.99	1/2	282.09	1/2	122.19	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	918.35	3/4	758.45	3/4	598.56	3/4	438.66	3/4	278.76	3/4	118.86	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
1	915.02	1	755.12	1	595.23	1	435.33	1	275.43	1	115.53	1	0	1	1	1	1	1	1
1/4	911.69	1/4	751.79	1/4	591.89	1/4	431.99	1/4	272.10	1/4	112.20	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	908.36	1/2	748.46	1/2	588.56	1/2	428.66	1/2	268.77	1/2	108.87	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	905.03	3/4	745.13	3/4	585.23	3/4	425.33	3/4	265.44	3/4	105.54	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
1	901.70	1	741.80	1	581.90	1	422.00	1	262.11	1	102.21	1	0	1	1	1	1	1	1
1/4	898.36	1/4	738.46	1/4	578.57	1/4	418.67	1/4	258.77	1/4	98.87	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	895.03	1/2	735.13	1/2	575.24	1/2	415.34	1/2	255.44	1/2	95.54	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	891.70	3/4	731.80	3/4	571.91	3/4	412.01	3/4	252.11	3/4	92.21	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
1	888.37	1	728.47	1	568.58	1	408.68	1	248.78	1	88.88	1	0	1	1	1	1	1	1
1/4	885.04	1/4	725.14	1/4	565.24	1/4	405.34	1/4	245.45	1/4	85.55	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	881.71	1/2	721.81	1/2	561.91	1/2	402.01	1/2	242.12	1/2	82.22	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	878.38	3/4	718.48	3/4	558.58	3/4	398.68	3/4	238.79	3/4	78.89	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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STRAPPED: 07/31/2004 BJ
DECK MEASUREMENTS: 07/21/1995 SJ
REPRINTED: 88042004 BW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2004



BARGE "KIRBY 18602"

1 STBD ULLAGE TABLE

FORMERLY "KEX 1902"

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.		
W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT (HERMETIC) LOCATED 16'-06" OFF CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 18602"

1 STBD ULLAGE TABLE



FORMERLY "KEX 1802"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		FORMERLY "KEX 1802"										GAUGE HEIGHT 16'-05 3/4"	
N	W	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.	N	W
0	0	1,034.31	0	874.77	0	555.68	0	396.14	0	238.60	0	77.05	0
1/4	1/4	1,030.98	871.44	711.90	552.36	392.81	233.27	167.73	102.69	67.05	33.41	11.76	5.88
1/2	1/2	1,027.66	868.12	708.57	549.03	389.49	229.95	164.40	100.36	65.72	32.04	11.40	5.72
3/4	3/4	1,024.34	864.80	705.25	545.71	386.17	226.63	161.12	98.08	63.45	30.67	11.04	5.56
1	1	1,021.01	861.47	701.93	542.39	382.84	223.30	157.84	95.80	61.18	29.30	10.68	5.40
1 1/4	1 1/4	1,017.69	858.15	698.60	539.06	379.52	219.98	154.56	93.55	58.91	27.91	10.32	5.24
1 1/2	1 1/2	1,014.36	854.82	695.28	535.74	376.19	216.65	151.28	91.30	56.62	26.52	9.96	5.08
1 3/4	1 3/4	1,011.04	851.50	691.96	532.42	372.87	213.33	148.00	89.05	54.33	25.13	9.60	4.92
2	2	1,007.72	848.17	688.63	529.09	369.55	210.01	144.72	86.80	52.04	23.74	9.24	4.76
2 1/4	2 1/4	1,004.39	844.85	685.31	525.77	366.22	206.68	141.44	84.55	49.75	22.35	8.88	4.60
2 1/2	2 1/2	1,001.07	841.52	681.98	522.44	362.90	203.36	138.16	82.30	47.46	20.96	8.52	4.44
2 3/4	2 3/4	997.75	838.20	678.66	519.12	359.58	200.04	134.88	80.05	45.17	19.57	8.16	4.28
3	3	994.42	834.88	675.34	515.79	356.25	196.71	131.60	77.80	42.88	18.18	7.80	4.12
3 1/4	3 1/4	991.10	831.55	672.01	512.47	352.93	193.39	128.32	75.55	40.59	16.79	7.44	3.96
3 1/2	3 1/2	987.77	828.23	668.68	509.14	349.60	190.06	125.04	73.30	38.30	15.40	7.08	3.80
3 3/4	3 3/4	984.45	824.91	665.37	505.82	346.28	186.74	121.76	71.05	36.01	14.01	6.72	3.64
4	4	981.13	821.58	662.04	502.50	342.96	183.41	118.48	68.80	33.72	12.62	6.36	3.48
4 1/4	4 1/4	977.80	818.26	658.72	499.17	339.63	180.09	115.20	66.55	31.43	11.23	6.00	3.32
4 1/2	4 1/2	974.48	814.93	655.39	495.85	336.31	176.76	111.92	64.30	29.14	9.84	5.64	3.16
4 3/4	4 3/4	971.16	811.61	652.07	492.53	332.99	173.44	108.64	62.05	26.85	8.45	5.28	3.00
5	5	967.83	808.29	648.75	489.20	329.66	170.12	105.36	59.80	24.56	7.06	4.92	2.84
5 1/4	5 1/4	964.51	804.96	645.42	485.88	326.34	166.79	102.08	57.55	22.27	5.67	4.56	2.68
5 1/2	5 1/2	961.18	801.64	642.10	482.55	323.01	163.47	98.80	55.30	20.00	4.28	4.20	2.52
5 3/4	5 3/4	957.86	798.32	638.78	479.23	319.69	160.15	95.52	53.05	17.71	2.89	3.84	2.36
6	6	954.54	794.99	635.45	475.91	316.37	156.82	92.24	50.80	15.42	1.50	3.48	2.20
6 1/4	6 1/4	951.21	791.67	632.13	472.58	313.04	153.50	88.96	48.55	13.13	0.11	3.12	2.04
6 1/2	6 1/2	947.89	788.34	628.80	469.26	309.72	150.17	85.64	46.30	10.84	0.00	2.76	1.88
6 3/4	6 3/4	944.57	785.02	625.48	465.94	306.40	146.85	82.32	44.05	8.55	0.00	2.40	1.72
7	7	941.24	781.70	622.16	462.61	303.07	143.53	79.04	41.80	6.26	0.00	2.04	1.56
7 1/4	7 1/4	937.92	778.37	618.83	459.29	299.75	140.20	75.72	39.55	3.97	0.00	1.68	1.40
7 1/2	7 1/2	934.59	775.05	615.51	455.96	296.42	136.88	72.40	37.30	1.68	0.00	1.32	1.24
7 3/4	7 3/4	931.27	771.73	612.19	452.64	293.10	133.56	69.08	35.05	0.00	0.00	0.96	1.08
8	8	927.95	768.40	608.86	449.32	289.78	130.23	65.76	32.80	0.00	0.00	0.60	0.92
8 1/4	8 1/4	924.62	765.08	605.54	445.99	286.45	126.91	62.44	30.55	0.00	0.00	0.24	0.76
8 1/2	8 1/2	921.30	761.75	602.21	442.67	283.13	123.58	59.12	28.30	0.00	0.00	0.00	0.60
8 3/4	8 3/4	917.98	758.43	598.89	439.35	279.81	120.28	55.80	26.05	0.00	0.00	0.00	0.44
9	9	914.65	755.11	595.57	436.02	276.48	116.94	52.48	23.80	0.00	0.00	0.00	0.28
9 1/4	9 1/4	911.33	751.78	592.24	432.70	273.16	113.61	49.16	21.55	0.00	0.00	0.00	0.12
9 1/2	9 1/2	908.00	748.46	588.92	429.37	269.83	110.29	45.84	19.30	0.00	0.00	0.00	0.00
9 3/4	9 3/4	904.68	745.14	585.60	426.05	266.51	106.97	42.52	17.05	0.00	0.00	0.00	0.00
10	10	901.36	741.81	582.27	422.73	263.19	103.64	39.20	14.80	0.00	0.00	0.00	0.00
10 1/4	10 1/4	898.03	738.49	578.95	419.40	259.86	100.32	35.88	12.55	0.00	0.00	0.00	0.00
10 1/2	10 1/2	894.71	735.16	575.62	416.08	256.54	96.99	32.56	10.30	0.00	0.00	0.00	0.00
10 3/4	10 3/4	891.39	731.84	572.30	412.76	253.22	93.67	29.24	8.05	0.00	0.00	0.00	0.00
11	11	888.06	728.52	568.98	409.43	249.89	90.35	25.92	5.80	0.00	0.00	0.00	0.00
11 1/4	11 1/4	884.74	725.19	565.65	406.11	246.57	87.02	22.60	3.55	0.00	0.00	0.00	0.00
11 1/2	11 1/2	881.41	721.87	562.33	402.78	243.24	83.70	19.28	1.30	0.00	0.00	0.00	0.00
11 3/4	11 3/4	878.09	718.55	559.01	399.46	239.92	80.38	15.96	0.00	0.00	0.00	0.00	0.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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 ALL PRIOR TO 08/2004



BARGE "KIRBY 18602"

2 CENTER ULLAGE TABLE

FORMERLY "KEX 1802"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 16'-11"																		
	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.										
0	0	0	4,330.24	4,330.24	4,014.40	3,698.56	3,382.72	3,066.88	2,751.04	2,435.20										
1/4	1/4	1/4	4,323.66	4,323.66	4,007.82	3,691.98	3,376.14	3,060.30	2,744.46	2,428.62										
1/2	1/2	1/2	4,317.08	4,317.08	4,001.24	3,685.40	3,369.56	3,053.72	2,737.88	2,422.04										
3/4	3/4	3/4	4,310.50	4,310.50	3,994.66	3,678.82	3,362.98	3,047.14	2,731.30	2,415.46										
1	1	1	4,303.92	4,303.92	3,988.08	3,672.24	3,356.40	3,040.58	2,724.72	2,408.88										
1 1/4	1 1/4	1 1/4	4,297.34	4,297.34	3,981.50	3,665.66	3,349.82	3,033.98	2,718.14	2,402.30										
1 1/2	1 1/2	1 1/2	4,290.76	4,290.76	3,974.92	3,659.08	3,343.24	3,027.40	2,711.56	2,395.72										
1 3/4	1 3/4	1 3/4	4,284.18	4,284.18	3,968.34	3,652.50	3,336.66	3,020.82	2,704.98	2,389.14										
2	2	2	4,277.60	4,277.60	3,961.76	3,645.92	3,330.08	3,014.24	2,698.40	2,382.56										
2 1/4	2 1/4	2 1/4	4,271.02	4,271.02	3,955.18	3,639.34	3,323.50	3,007.66	2,691.82	2,375.98										
2 1/2	2 1/2	2 1/2	4,264.44	4,264.44	3,948.60	3,632.76	3,316.92	3,001.08	2,685.24	2,369.40										
2 3/4	2 3/4	2 3/4	4,257.86	4,257.86	3,942.02	3,626.18	3,310.34	2,994.50	2,678.66	2,362.82										
3	3	3	4,251.28	4,251.28	3,935.44	3,619.60	3,303.76	2,987.92	2,672.08	2,356.24										
3 1/4	3 1/4	3 1/4	4,244.70	4,244.70	3,928.86	3,613.02	3,297.18	2,981.34	2,665.50	2,349.66										
3 1/2	3 1/2	3 1/2	4,238.12	4,238.12	3,922.28	3,606.44	3,290.60	2,974.76	2,658.92	2,343.08										
3 3/4	3 3/4	3 3/4	4,231.54	4,231.54	3,915.70	3,599.86	3,284.02	2,968.18	2,652.34	2,336.50										
4	4	4	4,224.96	4,224.96	3,909.12	3,593.28	3,277.44	2,961.60	2,645.76	2,329.92										
4 1/4	4 1/4	4 1/4	4,218.38	4,218.38	3,902.54	3,586.70	3,270.86	2,955.02	2,639.18	2,323.34										
4 1/2	4 1/2	4 1/2	4,211.80	4,211.80	3,895.96	3,580.12	3,264.28	2,948.44	2,632.60	2,316.76										
4 3/4	4 3/4	4 3/4	4,205.22	4,205.22	3,889.38	3,573.54	3,257.70	2,941.86	2,626.02	2,310.18										
5	5	5	4,198.64	4,198.64	3,882.80	3,566.96	3,251.12	2,935.28	2,619.44	2,303.60										
5 1/4	5 1/4	5 1/4	4,192.06	4,192.06	3,876.22	3,560.38	3,244.54	2,928.70	2,612.86	2,297.02										
5 1/2	5 1/2	5 1/2	4,185.48	4,185.48	3,869.64	3,553.80	3,237.96	2,922.12	2,606.28	2,290.43										
5 3/4	5 3/4	5 3/4	4,178.90	4,178.90	3,863.06	3,547.22	3,231.38	2,915.54	2,599.70	2,283.85										
6	6	6	4,172.32	4,172.32	3,856.48	3,540.64	3,224.80	2,909.96	2,593.12	2,277.26										
6 1/4	6 1/4	6 1/4	4,165.74	4,165.74	3,849.90	3,534.06	3,218.22	2,902.38	2,586.54	2,270.69										
6 1/2	6 1/2	6 1/2	4,159.16	4,159.16	3,843.32	3,527.48	3,211.64	2,895.80	2,579.96	2,264.11										
6 3/4	6 3/4	6 3/4	4,152.58	4,152.58	3,836.74	3,520.90	3,205.06	2,889.22	2,573.38	2,257.54										
7	7	7	4,146.00	4,146.00	3,830.16	3,514.32	3,198.48	2,882.64	2,566.80	2,250.96										
7 1/4	7 1/4	7 1/4	4,139.42	4,139.42	3,823.58	3,507.74	3,191.90	2,876.06	2,560.22	2,244.38										
7 1/2	7 1/2	7 1/2	4,132.84	4,132.84	3,817.00	3,501.16	3,185.32	2,869.48	2,553.64	2,237.80										
7 3/4	7 3/4	7 3/4	4,126.26	4,126.26	3,810.42	3,494.58	3,178.74	2,862.90	2,547.06	2,231.22										
8	8	8	4,119.68	4,119.68	3,803.84	3,488.00	3,172.16	2,856.32	2,540.48	2,224.64										
8 1/4	8 1/4	8 1/4	4,113.10	4,113.10	3,797.26	3,481.42	3,165.58	2,849.74	2,533.90	2,218.06										
8 1/2	8 1/2	8 1/2	4,106.52	4,106.52	3,790.68	3,474.84	3,159.00	2,843.16	2,527.32	2,211.48										
8 3/4	8 3/4	8 3/4	4,099.94	4,099.94	3,784.10	3,468.26	3,152.42	2,836.58	2,520.74	2,204.90										
9	9	9	4,093.36	4,093.36	3,777.52	3,461.68	3,145.84	2,830.00	2,514.16	2,198.32										
9 1/4	9 1/4	9 1/4	4,086.78	4,086.78	3,770.94	3,455.10	3,139.28	2,823.42	2,507.58	2,191.74										
9 1/2	9 1/2	9 1/2	4,080.20	4,080.20	3,764.36	3,448.52	3,132.68	2,816.84	2,501.00	2,185.16										
9 3/4	9 3/4	9 3/4	4,073.62	4,073.62	3,757.78	3,441.94	3,126.10	2,810.26	2,494.42	2,178.58										
10	10	10	4,067.04	4,067.04	3,751.20	3,435.36	3,119.52	2,803.68	2,487.84	2,172.00										
10 1/4	10 1/4	10 1/4	4,060.46	4,060.46	3,744.62	3,428.78	3,112.94	2,797.10	2,481.26	2,165.42										
10 1/2	10 1/2	10 1/2	4,053.88	4,053.88	3,738.04	3,422.20	3,106.36	2,790.52	2,474.68	2,158.84										
10 3/4	10 3/4	10 3/4	4,047.30	4,047.30	3,731.46	3,415.62	3,099.78	2,783.94	2,468.10	2,152.26										
11	11	11	4,040.72	4,040.72	3,724.88	3,409.04	3,093.20	2,777.36	2,461.52	2,145.68										
11 1/4	11 1/4	11 1/4	4,034.14	4,034.14	3,718.30	3,402.46	3,086.62	2,770.78	2,454.94	2,139.10										
11 1/2	11 1/2	11 1/2	4,027.56	4,027.56	3,711.72	3,395.88	3,080.04	2,764.20	2,448.36	2,132.52										
11 3/4	11 3/4	11 3/4	4,020.98	4,020.98	3,705.14	3,389.30	3,073.46	2,757.62	2,441.78	2,125.94										

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.
P.O. Box 2092
Pasadena, Texas 77468
http://www.ipmacorp.net

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 91-INCH OFF CENTERLINE AND 25-INCH FORWARD OF AFT BULKHEAD.



BARGE "KIRBY 18602"

2 CENTER ULLAGE TABLE

FORMERLY "KEX 1802"

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.	
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	1,603.52	0	1,487.66	0	1,171.84	0	859.00	0	540.16	0	224.32	0	0	0	0	0	0	0	0
1/4	2,112.78	1/4	1,481.10	1/4	1,165.26	1/4	849.42	1/4	533.58	1/4	217.74	1/4	0	1/4	0	1/4	0	1/4	0
1/2	2,108.20	1/2	1,474.52	1/2	1,158.68	1/2	842.84	1/2	527.00	1/2	211.16	1/2	0	1/2	0	1/2	0	1/2	0
3/4	2,099.82	3/4	1,467.94	3/4	1,152.10	3/4	836.26	3/4	520.42	3/4	204.58	3/4	0	3/4	0	3/4	0	3/4	0
1	2,093.04	1	1,461.36	1	1,145.52	1	829.68	1	513.84	1	198.00	1	0	1	0	1	0	1	0
1 1/4	2,086.46	1 1/4	1,454.78	1 1/4	1,138.94	1 1/4	823.10	1 1/4	507.26	1 1/4	191.42	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	2,079.88	1 1/2	1,448.20	1 1/2	1,132.36	1 1/2	816.52	1 1/2	500.68	1 1/2	184.84	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	2,073.30	3/4	1,441.62	3/4	1,125.78	3/4	809.94	3/4	494.10	3/4	178.26	3/4	0	3/4	0	3/4	0	3/4	0
2	2,066.72	2	1,435.04	2	1,119.20	2	803.36	2	487.52	2	171.68	2	0	2	0	2	0	2	0
2 1/4	2,060.14	2 1/4	1,428.46	2 1/4	1,112.62	2 1/4	796.78	2 1/4	480.94	2 1/4	165.10	2 1/4	0	2 1/4	0	2 1/4	0	2 1/4	0
1/2	2,053.56	1/2	1,421.88	1/2	1,106.04	1/2	790.20	1/2	474.36	1/2	158.52	1/2	0	1/2	0	1/2	0	1/2	0
3/4	2,046.98	3/4	1,415.30	3/4	1,099.46	3/4	783.62	3/4	467.78	3/4	151.94	3/4	0	3/4	0	3/4	0	3/4	0
1	2,040.40	1	1,408.72	1	1,092.88	1	777.04	1	461.20	1	145.36	1	0	1	0	1	0	1	0
1 1/4	2,033.82	1 1/4	1,402.14	1 1/4	1,086.30	1 1/4	770.46	1 1/4	454.62	1 1/4	138.78	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	2,027.23	1 1/2	1,395.56	1 1/2	1,079.72	1 1/2	763.88	1 1/2	448.03	1 1/2	132.20	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	2,020.65	3/4	1,388.98	3/4	1,073.14	3/4	757.30	3/4	441.45	3/4	125.62	3/4	0	3/4	0	3/4	0	3/4	0
4	2,014.06	4	1,382.40	4	1,066.56	4	750.72	4	434.86	4	119.04	4	0	4	0	4	0	4	0
1 1/4	2,007.48	1 1/4	1,375.82	1 1/4	1,059.98	1 1/4	744.14	1 1/4	428.28	1 1/4	112.46	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	2,000.91	1 1/2	1,369.24	1 1/2	1,053.40	1 1/2	737.56	1 1/2	421.71	1 1/2	105.88	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,994.34	3/4	1,362.66	3/4	1,046.82	3/4	730.98	3/4	415.14	3/4	99.30	3/4	0	3/4	0	3/4	0	3/4	0
5	1,987.76	5	1,356.08	5	1,040.24	5	724.40	5	408.56	5	92.72	5	0	5	0	5	0	5	0
1 1/4	1,981.18	1 1/4	1,349.50	1 1/4	1,033.66	1 1/4	717.82	1 1/4	401.98	1 1/4	86.14	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,974.60	1 1/2	1,342.92	1 1/2	1,027.08	1 1/2	711.24	1 1/2	395.40	1 1/2	80.11	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,968.02	3/4	1,336.34	3/4	1,020.50	3/4	704.66	3/4	388.82	3/4	73.81	3/4	0	3/4	0	3/4	0	3/4	0
6	1,961.44	6	1,329.76	6	1,013.92	6	698.08	6	382.24	6	67.50	6	0	6	0	6	0	6	0
1 1/4	1,954.86	1 1/4	1,323.18	1 1/4	1,007.34	1 1/4	691.50	1 1/4	375.66	1 1/4	62.02	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,948.28	1 1/2	1,316.60	1 1/2	1,000.76	1 1/2	684.92	1 1/2	369.08	1 1/2	56.53	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,941.70	3/4	1,310.02	3/4	994.18	3/4	678.34	3/4	362.50	3/4	51.05	3/4	0	3/4	0	3/4	0	3/4	0
7	1,935.12	7	1,303.44	7	987.60	7	671.76	7	355.92	7	45.56	7	0	7	0	7	0	7	0
1 1/4	1,928.54	1 1/4	1,296.86	1 1/4	981.02	1 1/4	665.18	1 1/4	349.34	1 1/4	41.18	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,921.96	1 1/2	1,290.28	1 1/2	974.44	1 1/2	658.60	1 1/2	342.76	1 1/2	36.79	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,915.38	3/4	1,283.70	3/4	967.86	3/4	652.02	3/4	336.18	3/4	32.41	3/4	0	3/4	0	3/4	0	3/4	0
8	1,908.80	8	1,277.12	8	961.28	8	645.44	8	329.60	8	28.02	8	0	8	0	8	0	8	0
1 1/4	1,902.22	1 1/4	1,270.54	1 1/4	954.70	1 1/4	638.86	1 1/4	323.02	1 1/4	24.73	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,895.64	1 1/2	1,263.96	1 1/2	948.12	1 1/2	632.28	1 1/2	316.44	1 1/2	21.44	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,889.06	3/4	1,257.38	3/4	941.54	3/4	625.70	3/4	309.86	3/4	18.15	3/4	0	3/4	0	3/4	0	3/4	0
9	1,882.48	9	1,250.80	9	934.96	9	619.12	9	303.28	9	14.86	9	0	9	0	9	0	9	0
1 1/4	1,875.90	1 1/4	1,244.22	1 1/4	928.38	1 1/4	612.54	1 1/4	296.70	1 1/4	12.67	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,869.32	1 1/2	1,237.64	1 1/2	921.80	1 1/2	605.96	1 1/2	290.12	1 1/2	10.48	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,862.74	3/4	1,231.06	3/4	915.22	3/4	599.38	3/4	283.54	3/4	8.28	3/4	0	3/4	0	3/4	0	3/4	0
10	1,856.16	10	1,224.48	10	908.64	10	592.80	10	276.96	10	6.09	10	0	10	0	10	0	10	0
1 1/4	1,849.58	1 1/4	1,217.90	1 1/4	902.06	1 1/4	586.22	1 1/4	270.38	1 1/4	4.99	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,843.00	1 1/2	1,211.32	1 1/2	895.48	1 1/2	579.64	1 1/2	263.80	1 1/2	3.90	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,836.42	3/4	1,204.74	3/4	888.90	3/4	573.06	3/4	257.22	3/4	2.80	3/4	0	3/4	0	3/4	0	3/4	0
11	1,829.84	11	1,198.16	11	882.32	11	566.48	11	250.64	11	1.70	11	0	11	0	11	0	11	0
1 1/4	1,823.26	1 1/4	1,191.58	1 1/4	875.74	1 1/4	559.90	1 1/4	244.08	1 1/4	0.61	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,816.68	1 1/2	1,185.00	1 1/2	869.16	1 1/2	553.32	1 1/2	237.48	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,810.10	3/4	1,178.42	3/4	862.58	3/4	546.74	3/4	230.90	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/1999 SH
DECK MEASUREMENTS: 07/21/1995 SH
REPRINTED: 08/04/2004 SH

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2004

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



BARGE "KIRBY 18602"

3 CENTER ULLAGE TABLE

FORMERLY "KEX 1802"

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.	
H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M
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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 API MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 01'-04" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77668
 HTID: /www.pma.com

John J. ...

SHEET NO. 7 OF 12



BARGE "KIRBY 18602"

3 CENTER ULLAGE TABLE

FORMERLY "KEX 1902"

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

H	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N
8	2,102.78	0	1,787.45	0	1,472.12	0	1,156.80	0	841.47	0	526.14	0	210.82	0						
14	2,086.21	14	1,780.88	14	1,465.56	14	1,150.23	14	834.90	14	519.58	14	204.25	14						
12	2,088.84	12	1,774.31	12	1,458.99	12	1,143.66	12	828.33	12	513.01	12	197.68	12						
34	2,083.07	34	1,767.74	34	1,452.42	34	1,137.09	34	821.76	34	506.44	34	191.11	34						
1	2,076.50	1	1,761.17	1	1,445.85	1	1,130.52	1	815.19	1	498.87	1	184.54	1						
14	2,069.93	14	1,754.60	14	1,439.28	14	1,123.95	14	808.63	14	493.30	14	177.97	14						
12	2,063.36	12	1,748.03	12	1,432.71	12	1,117.38	12	802.06	12	486.73	12	171.40	12						
34	2,056.79	34	1,741.46	34	1,426.14	34	1,110.81	34	795.49	34	480.16	34	164.83	34						
2	2,050.22	2	1,734.89	2	1,419.57	2	1,104.24	2	788.92	2	473.59	2	158.26	2						
14	2,043.65	14	1,728.33	14	1,413.00	14	1,097.67	14	782.35	14	467.02	14	151.70	14						
12	2,037.08	12	1,721.76	12	1,406.43	12	1,091.10	12	775.78	12	460.45	12	145.13	12						
34	2,030.51	34	1,715.19	34	1,399.86	34	1,084.53	34	769.21	34	453.88	34	138.56	34						
3	2,023.94	3	1,708.62	3	1,393.29	3	1,077.98	3	762.64	3	447.31	3	131.99	3						
14	2,017.38	14	1,702.05	14	1,386.72	14	1,071.40	14	756.07	14	440.74	14	125.42	14						
12	2,010.81	12	1,695.48	12	1,380.15	12	1,064.83	12	749.50	12	434.17	12	118.85	12						
34	2,004.24	34	1,688.91	34	1,373.58	34	1,058.26	34	742.93	34	427.60	34	112.28	34						
4	1,997.67	4	1,682.34	4	1,367.01	4	1,051.69	4	736.36	4	421.03	4	105.71	4						
14	1,991.10	14	1,675.77	14	1,360.45	14	1,045.12	14	729.79	14	414.47	14	99.14	14						
12	1,984.53	12	1,669.20	12	1,353.88	12	1,038.55	12	723.22	12	407.90	12	92.57	12						
34	1,977.96	34	1,662.63	34	1,347.31	34	1,031.98	34	716.65	34	401.33	34	86.27	34						
5	1,971.39	5	1,656.06	5	1,340.74	5	1,025.41	5	710.08	5	394.76	5	79.88	5						
14	1,964.82	14	1,649.50	14	1,334.17	14	1,018.84	14	703.52	14	388.19	14	73.88	14						
12	1,958.25	12	1,642.93	12	1,327.60	12	1,012.27	12	696.95	12	381.62	12	67.39	12						
34	1,951.68	34	1,636.36	34	1,321.03	34	1,005.70	34	690.38	34	375.05	34	61.91	34						
6	1,945.11	6	1,629.79	6	1,314.46	6	999.13	6	683.81	6	368.48	6	56.44	6						
14	1,938.55	14	1,623.22	14	1,307.89	14	987.57	14	677.24	14	361.91	14	50.96	14						
12	1,931.98	12	1,616.65	12	1,301.32	12	986.00	12	670.67	12	355.34	12	45.49	12						
34	1,925.41	34	1,610.08	34	1,294.75	34	979.43	34	664.10	34	348.77	34	41.11	34						
7	1,918.84	7	1,603.51	7	1,288.18	7	972.86	7	657.53	7	342.20	7	36.73	7						
14	1,912.27	14	1,596.94	14	1,281.62	14	966.29	14	650.96	14	335.64	14	32.35	14						
12	1,905.70	12	1,590.37	12	1,275.05	12	959.72	12	644.39	12	329.07	12	27.97	12						
34	1,899.13	34	1,583.80	34	1,268.48	34	953.15	34	637.82	34	322.50	34	24.68	34						
8	1,892.56	8	1,577.23	8	1,261.91	8	946.58	8	631.25	8	315.93	8	21.40	8						
14	1,885.99	14	1,570.66	14	1,255.34	14	940.01	14	624.69	14	309.38	14	18.11	14						
12	1,879.42	12	1,564.09	12	1,248.77	12	933.44	12	618.12	12	302.79	12	14.83	12						
34	1,872.85	34	1,557.52	34	1,242.20	34	926.87	34	611.55	34	296.22	34	12.84	34						
9	1,866.28	9	1,550.95	9	1,235.63	9	920.30	9	604.98	9	289.65	9	10.45	9						
14	1,859.71	14	1,544.38	14	1,229.06	14	913.73	14	598.41	14	283.08	14	8.27	14						
12	1,853.14	12	1,537.81	12	1,222.49	12	907.16	12	591.84	12	276.51	12	6.08	12						
34	1,846.57	34	1,531.25	34	1,215.92	34	900.59	34	585.27	34	269.94	34	4.98	34						
10	1,840.00	10	1,524.68	10	1,209.35	10	894.02	10	578.70	10	263.37	10	3.89	10						
14	1,833.44	14	1,518.11	14	1,202.78	14	887.46	14	572.13	14	256.80	14	2.79	14						
12	1,826.87	12	1,511.54	12	1,196.21	12	880.89	12	565.56	12	250.23	12	1.70	12						
34	1,820.30	34	1,504.97	34	1,189.64	34	874.32	34	558.99	34	243.66	34		34						
11	1,813.73	11	1,498.40	11	1,183.07	11	867.75	11	552.42	11	237.09	11		11						
14	1,807.16	14	1,491.83	14	1,176.51	14	861.18	14	545.85	14	230.53	14		14						
12	1,800.59	12	1,485.26	12	1,169.94	12	854.61	12	539.28	12	223.96	12		12						
34	1,794.02	34	1,478.69	34	1,163.37	34	848.04	34	532.71	34	217.39	34		34						

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/1995 SJ
 DECK MEASUREMENTS: 07/21/1995 SJ
 REPRINTED: 04/06/2004 SW
 CANCELS AND SUPERCEDES
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PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
 HTD://www.dmsccord.net



BARGE "KIRBY 18602"

4 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-05 7/8"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		FORMERLY "KEX 1902"												CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY		
0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.							
M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.

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

[Signature]



BARGE "KIRBY 18602"

4 PORT ULLAGE TABLE

FORMERLY "KEX 1802"

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.	
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	1,213.23	0	1,026.01	0	836.78	0	651.56	0	464.33	0	277.11	0	89.89	0	0	0	0	0	0
1/4	1,209.33	1/4	1,022.11	1/4	834.88	1/4	647.66	1/4	460.43	1/4	273.21	1/4	85.99	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,205.43	1/2	1,018.20	1/2	830.98	1/2	643.76	1/2	456.53	1/2	269.31	1/2	82.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,201.53	3/4	1,014.30	3/4	827.08	3/4	639.86	3/4	452.63	3/4	265.41	3/4	78.18	3/4	3/4	3/4	3/4	3/4	3/4
1	1,197.63	1	1,010.40	1	823.18	1	635.96	1	448.73	1	261.51	1	74.28	1	1	1	1	1	1
1 1/4	1,193.73	1 1/4	1,006.50	1 1/4	819.28	1 1/4	632.06	1 1/4	444.83	1 1/4	257.61	1 1/4	70.38	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,189.83	1 1/2	1,002.60	1 1/2	815.38	1 1/2	628.15	1 1/2	440.93	1 1/2	253.71	1 1/2	66.48	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,185.93	3/4	998.70	3/4	811.48	3/4	624.25	3/4	437.03	3/4	249.81	3/4	62.58	3/4	3/4	3/4	3/4	3/4	3/4
2	1,182.03	2	994.80	2	807.58	2	620.35	2	433.13	2	245.91	2	58.68	2	2	2	2	2	2
2 1/4	1,178.13	2 1/4	990.90	2 1/4	803.68	2 1/4	616.45	2 1/4	429.23	2 1/4	242.01	2 1/4	54.78	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	1,174.22	2 1/2	987.00	2 1/2	799.78	2 1/2	612.55	2 1/2	425.33	2 1/2	238.10	2 1/2	50.88	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
3 1/4	1,170.32	3 1/4	983.10	3 1/4	795.88	3 1/4	608.65	3 1/4	421.43	3 1/4	234.20	3 1/4	47.05	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3	1,166.42	3	979.20	3	791.98	3	604.75	3	417.53	3	230.30	3	43.36	3	3	3	3	3	3
3 1/4	1,162.52	3 1/4	975.30	3 1/4	788.08	3 1/4	600.85	3 1/4	413.63	3 1/4	226.40	3 1/4	39.74	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	1,158.62	3 1/2	971.40	3 1/2	784.17	3 1/2	596.95	3 1/2	409.73	3 1/2	222.50	3 1/2	36.13	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
4	1,154.72	4	967.50	4	780.27	4	593.05	4	405.83	4	218.60	4	32.68	4	4	4	4	4	4
4 1/4	1,150.82	4 1/4	963.60	4 1/4	776.37	4 1/4	589.15	4 1/4	401.93	4 1/4	214.70	4 1/4	29.50	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	1,146.92	4 1/2	959.70	4 1/2	772.47	4 1/2	585.25	4 1/2	398.03	4 1/2	210.80	4 1/2	26.50	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
5	1,143.02	5	955.80	5	768.57	5	581.35	5	394.12	5	206.90	5	23.50	5	5	5	5	5	5
5 1/4	1,139.12	5 1/4	951.90	5 1/4	764.67	5 1/4	577.45	5 1/4	390.22	5 1/4	203.00	5 1/4	20.79	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	1,135.22	5 1/2	948.00	5 1/2	760.77	5 1/2	573.55	5 1/2	386.32	5 1/2	199.10	5 1/2	18.67	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
6	1,131.32	6	944.10	6	756.87	6	569.65	6	382.42	6	195.20	6	16.85	6	6	6	6	6	6
6 1/4	1,127.42	6 1/4	940.19	6 1/4	752.97	6 1/4	565.75	6 1/4	378.52	6 1/4	191.30	6 1/4	15.03	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	1,123.52	6 1/2	936.29	6 1/2	749.07	6 1/2	561.85	6 1/2	374.62	6 1/2	187.40	6 1/2	13.21	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
7	1,119.62	7	932.39	7	745.17	7	557.95	7	370.72	7	183.50	7	12.30	7	7	7	7	7	7
7 1/4	1,115.72	7 1/4	928.48	7 1/4	741.27	7 1/4	554.05	7 1/4	366.82	7 1/4	179.60	7 1/4	11.40	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	1,111.82	7 1/2	924.59	7 1/2	737.37	7 1/2	550.14	7 1/2	362.92	7 1/2	175.70	7 1/2	10.50	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
8	1,107.92	8	920.69	8	733.47	8	546.24	8	359.02	8	171.80	8	9.70	8	8	8	8	8	8
8 1/4	1,104.02	8 1/4	916.79	8 1/4	729.57	8 1/4	542.34	8 1/4	355.12	8 1/4	167.90	8 1/4	8.85	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	1,100.12	8 1/2	912.89	8 1/2	725.67	8 1/2	538.44	8 1/2	351.22	8 1/2	164.00	8 1/2	8.00	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
9	1,096.21	9	908.99	9	721.77	9	534.54	9	347.32	9	160.09	9	7.15	9	9	9	9	9	9
9 1/4	1,092.31	9 1/4	905.08	9 1/4	717.87	9 1/4	530.64	9 1/4	343.42	9 1/4	156.19	9 1/4	6.30	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	1,088.41	9 1/2	901.19	9 1/2	713.97	9 1/2	526.74	9 1/2	339.52	9 1/2	152.29	9 1/2	5.45	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
10	1,084.51	10	897.29	10	710.07	10	522.84	10	335.62	10	148.39	10	4.60	10	10	10	10	10	10
10 1/4	1,080.61	10 1/4	893.39	10 1/4	706.16	10 1/4	518.94	10 1/4	331.72	10 1/4	144.49	10 1/4	3.75	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	1,076.71	10 1/2	889.49	10 1/2	702.26	10 1/2	515.04	10 1/2	327.82	10 1/2	140.59	10 1/2	2.90	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
11	1,072.81	11	885.59	11	698.36	11	511.14	11	323.92	11	136.69	11	2.05	11	11	11	11	11	11
11 1/4	1,068.91	11 1/4	881.69	11 1/4	694.46	11 1/4	507.24	11 1/4	320.02	11 1/4	132.79	11 1/4	1.20	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	1,065.01	11 1/2	877.79	11 1/2	690.56	11 1/2	503.34	11 1/2	316.11	11 1/2	128.89	11 1/2	0.35	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
12	1,061.11	12	873.89	12	686.66	12	499.44	12	312.21	12	124.99	12	-0.50	12	12	12	12	12	12
12 1/4	1,057.21	12 1/4	869.99	12 1/4	682.76	12 1/4	495.54	12 1/4	308.31	12 1/4	121.09	12 1/4	-1.35	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4
12 1/2	1,053.31	12 1/2	866.09	12 1/2	678.86	12 1/2	491.64	12 1/2	304.41	12 1/2	117.19	12 1/2	-2.20	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2
13	1,049.41	13	862.18	13	674.96	13	487.74	13	300.51	13	113.29	13	-3.05	13	13	13	13	13	13
13 1/4	1,045.51	13 1/4	858.28	13 1/4	671.06	13 1/4	483.84	13 1/4	296.61	13 1/4	109.39	13 1/4	-3.90	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4
13 1/2	1,041.61	13 1/2	854.38	13 1/2	667.16	13 1/2	479.94	13 1/2	292.71	13 1/2	105.49	13 1/2	-4.75	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2
14	1,037.71	14	850.48	14	663.26	14	476.04	14	288.81	14	101.59	14	-5.60	14	14	14	14	14	14
14 1/4	1,033.81	14 1/4	846.58	14 1/4	659.36	14 1/4	472.13	14 1/4	284.91	14 1/4	97.69	14 1/4	-6.45	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4
14 1/2	1,029.91	14 1/2	842.68	14 1/2	655.46	14 1/2	468.23	14 1/2	281.01	14 1/2	93.79	14 1/2	-7.30	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

PRECISION MEASUREMENT
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STRAPPED: 07/31/1999 S1
DECK MEASUREMENTS: 07/21/1995 S1
REPRINTED: 06/04/2004 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2004



BARGE "KIRBY 18602"

4 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-06 1/4"

FORMERLY "KEX 1902"

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.		
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	
0	0	0	0	2,529.82	0	2,342.78	0	1,968.84	0	1,781.58	0	1,594.52	0	1,407.46	0	1,220.40	0	1,033.34	0	846.28
1/4	1/4	1/4	1/4	2,525.92	1/4	2,338.88	1/4	1,964.74	1/4	1,777.68	1/4	1,590.82	1/4	1,403.56	1/4	1,216.50	1/4	1,029.44	1/4	842.38
1/2	1/2	1/2	1/2	2,522.02	1/2	2,334.96	1/2	1,960.84	1/2	1,773.78	1/2	1,586.92	1/2	1,399.86	1/2	1,212.60	1/2	1,025.54	1/2	838.50
3/4	3/4	3/4	3/4	2,518.13	3/4	2,331.07	3/4	1,956.95	3/4	1,769.89	3/4	1,583.03	3/4	1,396.80	3/4	1,209.74	3/4	1,021.66	3/4	834.62
1	1	1	1	2,514.23	1	2,327.17	1	1,953.05	1	1,765.99	1	1,579.15	1	1,392.84	1	1,206.78	1	1,017.78	1	830.74
1 1/4	1 1/4	1 1/4	1 1/4	2,510.33	1 1/4	2,323.27	1 1/4	1,949.15	1 1/4	1,762.09	1 1/4	1,575.25	1 1/4	1,389.84	1 1/4	1,203.92	1 1/4	1,013.90	1 1/4	826.86
1 1/2	1 1/2	1 1/2	1 1/2	2,506.44	1 1/2	2,319.37	1 1/2	1,945.25	1 1/2	1,758.19	1 1/2	1,571.35	1 1/2	1,386.92	1 1/2	1,201.06	1 1/2	1,010.02	1 1/2	822.98
1 3/4	1 3/4	1 3/4	1 3/4	2,502.54	1 3/4	2,315.48	1 3/4	1,941.36	1 3/4	1,754.29	1 3/4	1,567.45	1 3/4	1,384.00	1 3/4	1,197.14	1 3/4	1,006.14	1 3/4	819.10
2	2	2	2	2,498.65	2	2,311.58	2	1,937.46	2	1,750.40	2	1,563.54	2	1,380.12	2	1,194.28	2	1,002.26	2	815.22
2 1/4	2 1/4	2 1/4	2 1/4	2,494.75	2 1/4	2,307.68	2 1/4	1,933.56	2 1/4	1,746.50	2 1/4	1,559.64	2 1/4	1,377.28	2 1/4	1,191.42	2 1/4	1,000.40	2 1/4	811.34
2 1/2	2 1/2	2 1/2	2 1/2	2,490.85	2 1/2	2,303.79	2 1/2	1,929.66	2 1/2	1,742.60	2 1/2	1,555.74	2 1/2	1,374.40	2 1/2	1,188.56	2 1/2	998.54	2 1/2	807.46
2 3/4	2 3/4	2 3/4	2 3/4	2,486.96	2 3/4	2,299.89	2 3/4	1,925.77	2 3/4	1,738.70	2 3/4	1,551.84	2 3/4	1,371.50	2 3/4	1,185.72	2 3/4	996.70	2 3/4	803.58
3	3	3	3	2,483.06	3	2,296.00	3	1,921.87	3	1,734.81	3	1,547.92	3	1,368.62	3	1,182.88	3	994.84	3	800.70
3 1/4	3 1/4	3 1/4	3 1/4	2,479.16	3 1/4	2,292.10	3 1/4	1,917.97	3 1/4	1,730.91	3 1/4	1,544.00	3 1/4	1,365.74	3 1/4	1,180.02	3 1/4	992.98	3 1/4	796.82
3 1/2	3 1/2	3 1/2	3 1/2	2,475.26	3 1/2	2,288.20	3 1/2	1,914.08	3 1/2	1,727.01	3 1/2	1,540.08	3 1/2	1,362.86	3 1/2	1,177.16	3 1/2	991.10	3 1/2	792.94
3 3/4	3 3/4	3 3/4	3 3/4	2,471.37	3 3/4	2,284.31	3 3/4	1,910.18	3 3/4	1,723.12	3 3/4	1,536.16	3 3/4	1,359.92	3 3/4	1,174.30	3 3/4	989.22	3 3/4	789.06
4	4	4	4	2,467.47	4	2,280.41	4	1,906.29	4	1,719.22	4	1,532.24	4	1,357.00	4	1,171.44	4	987.34	4	785.18
4 1/4	4 1/4	4 1/4	4 1/4	2,463.57	4 1/4	2,276.51	4 1/4	1,902.39	4 1/4	1,715.33	4 1/4	1,528.32	4 1/4	1,354.10	4 1/4	1,168.58	4 1/4	985.46	4 1/4	781.30
4 1/2	4 1/2	4 1/2	4 1/2	2,459.67	4 1/2	2,272.61	4 1/2	1,898.49	4 1/2	1,711.43	4 1/2	1,524.40	4 1/2	1,351.18	4 1/2	1,165.72	4 1/2	983.58	4 1/2	777.42
4 3/4	4 3/4	4 3/4	4 3/4	2,455.78	4 3/4	2,268.72	4 3/4	1,894.60	4 3/4	1,707.53	4 3/4	1,520.47	4 3/4	1,348.26	4 3/4	1,162.86	4 3/4	981.70	4 3/4	773.54
5	5	5	5	2,451.88	5	2,264.82	5	1,890.70	5	1,703.64	5	1,516.57	5	1,345.34	5	1,160.00	5	979.82	5	769.66
5 1/4	5 1/4	5 1/4	5 1/4	2,447.98	5 1/4	2,260.92	5 1/4	1,886.80	5 1/4	1,699.74	5 1/4	1,512.68	5 1/4	1,342.42	5 1/4	1,157.14	5 1/4	977.94	5 1/4	765.78
5 1/2	5 1/2	5 1/2	5 1/2	2,444.08	5 1/2	2,257.02	5 1/2	1,882.90	5 1/2	1,695.84	5 1/2	1,508.78	5 1/2	1,339.50	5 1/2	1,154.28	5 1/2	976.06	5 1/2	761.90
5 3/4	5 3/4	5 3/4	5 3/4	2,440.19	5 3/4	2,253.13	5 3/4	1,879.01	5 3/4	1,691.94	5 3/4	1,504.86	5 3/4	1,336.58	5 3/4	1,151.42	5 3/4	974.18	5 3/4	758.02
6	6	6	6	2,436.29	6	2,249.23	6	1,875.11	6	1,688.05	6	1,500.89	6	1,333.66	6	1,148.56	6	972.30	6	754.14
6 1/4	6 1/4	6 1/4	6 1/4	2,432.39	6 1/4	2,245.33	6 1/4	1,871.21	6 1/4	1,684.15	6 1/4	1,497.09	6 1/4	1,330.74	6 1/4	1,145.70	6 1/4	970.42	6 1/4	750.26
6 1/2	6 1/2	6 1/2	6 1/2	2,428.49	6 1/2	2,241.43	6 1/2	1,867.31	6 1/2	1,680.25	6 1/2	1,493.19	6 1/2	1,327.82	6 1/2	1,142.84	6 1/2	968.54	6 1/2	746.38
6 3/4	6 3/4	6 3/4	6 3/4	2,424.60	6 3/4	2,237.54	6 3/4	1,863.42	6 3/4	1,676.35	6 3/4	1,489.29	6 3/4	1,324.90	6 3/4	1,140.00	6 3/4	966.66	6 3/4	742.50
7	7	7	7	2,420.70	7	2,233.64	7	1,859.52	7	1,672.46	7	1,485.40	7	1,322.00	7	1,137.14	7	964.78	7	738.62
7 1/4	7 1/4	7 1/4	7 1/4	2,416.80	7 1/4	2,229.74	7 1/4	1,855.62	7 1/4	1,668.56	7 1/4	1,481.50	7 1/4	1,319.08	7 1/4	1,134.28	7 1/4	962.90	7 1/4	734.74
7 1/2	7 1/2	7 1/2	7 1/2	2,412.90	7 1/2	2,225.84	7 1/2	1,851.72	7 1/2	1,664.68	7 1/2	1,477.60	7 1/2	1,316.16	7 1/2	1,131.42	7 1/2	961.02	7 1/2	730.86
7 3/4	7 3/4	7 3/4	7 3/4	2,409.01	7 3/4	2,221.95	7 3/4	1,847.82	7 3/4	1,660.78	7 3/4	1,473.70	7 3/4	1,313.24	7 3/4	1,128.56	7 3/4	959.14	7 3/4	727.00
8	8	8	8	2,405.11	8	2,218.05	8	1,843.93	8	1,656.87	8	1,469.81	8	1,310.32	8	1,125.70	8	957.26	8	723.12
8 1/4	8 1/4	8 1/4	8 1/4	2,401.21	8 1/4	2,214.15	8 1/4	1,840.03	8 1/4	1,652.97	8 1/4	1,465.89	8 1/4	1,307.40	8 1/4	1,122.84	8 1/4	955.38	8 1/4	719.24
8 1/2	8 1/2	8 1/2	8 1/2	2,397.32	8 1/2	2,210.26	8 1/2	1,836.13	8 1/2	1,649.07	8 1/2	1,462.01	8 1/2	1,304.48	8 1/2	1,120.00	8 1/2	953.50	8 1/2	715.36
8 3/4	8 3/4	8 3/4	8 3/4	2,393.42	8 3/4	2,206.36	8 3/4	1,832.23	8 3/4	1,645.17	8 3/4	1,458.11	8 3/4	1,301.56	8 3/4	1,117.14	8 3/4	951.62	8 3/4	711.48
9	9	9	9	2,389.53	9	2,202.47	9	1,828.34	9	1,641.28	9	1,454.22	9	1,298.64	9	1,114.28	9	949.74	9	707.60
9 1/4	9 1/4	9 1/4	9 1/4	2,385.63	9 1/4	2,198.57	9 1/4	1,824.44	9 1/4	1,637.38	9 1/4	1,450.32	9 1/4	1,295.72	9 1/4	1,111.42	9 1/4	947.86	9 1/4	703.72
9 1/2	9 1/2	9 1/2	9 1/2	2,381.73	9 1/2	2,194.67	9 1/2	1,820.54	9 1/2	1,633.48	9 1/2	1,446.42	9 1/2	1,292.80	9 1/2	1,108.56	9 1/2	945.98	9 1/2	699.84
9 3/4	9 3/4	9 3/4	9 3/4	2,377.84	9 3/4	2,190.78	9 3/4	1,816.65	9 3/4	1,629.58	9 3/4	1,442.52	9 3/4	1,289.88	9 3/4	1,105.70	9 3/4	944.10	9 3/4	695.96
10	10	10	10	2,373.94	10	2,186.88	10	1,812.75	10	1,625.69	10	1,438.63	10	1,286.96	10	1,102.84	10	942.22	10	692.08
10 1/4	10 1/4	10 1/4	10 1/4	2,370.04	10 1/4	2,182.98	10 1/4	1,808.86	10 1/4	1,621.79	10 1/4	1,434.73	10 1/4	1,284.04	10 1/4	1,100.00	10 1/4	940.34	10 1/4	688.20
10 1/2	10 1/2	10 1/2	10 1/2	2,366.14	10 1/2	2,179.08	10 1/2	1,804.96	10 1/2	1,617.89	10 1/2	1,430.83	10 1/2	1,281.12	10 1/2	1,097.14	10 1/2	938.42	10 1/2	684.32
10 3/4	10 3/4	10 3/4	10 3/4	2,362.25	10 3/4	2,175.19	10 3/4	1,801.06	10 3/4	1,614.00	10 3/4	1,426.94	10 3/4	1,278.20	10 3/4	1,094.28	10 3/4	936.54	10 3/4	680.44
11	11	11	11	2,358.35	11	2,171.29	11	1,797.17	11	1,608.21	11	1,423.04	11	1,275.28	11	1,091.42	11	934.66	11	676.56
11 1/4	11 1/4	11 1/4	11 1/4	2,354.45	11 1/4	2,167.39	11 1/4	1,793.27	11 1/4	1,604.34	11 1/4	1,419.15	11 1/4	1,272.36	11 1/4	1,088.56	11 1/4	932.78	11 1/4	672.68
11 1/2	11 1/2	11 1/2	11 1/2	2,350.55	11 1/2	2,163.49	11 1/2	1,789.37	11 1/2	1,600.43	11 1/2	1,415.25	11 1/2	1,269.44	11 1/2	1,085.70	11 1/2	930.90	11 1/2	668.80
11 3/4	11 3/4	11 3/4	11 3/4	2,346.66	11 3/4	2,159.60	11 3/4	1,785.47	11 3/4	1,596.54	11 3/4	1,411.35	11 3/4	1,266.52	11 3/4	1,082.84	11 3/4	929.02	11 3/4	664.92

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT (HERMETIC) LOCATED 16'-06" OFF CENTERLINE AND 37'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2602
 Pearland, Texas 77588
<http://www.dtmacorp.net>



BARGE "KIRBY 18602"

4 STBD ULLAGE TABLE

FORMERLY "KEX 1902"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N
1	220.39	0	1,033.33	0	846.27	0	659.21	0	472.15	0	285.08	0	99.03	0	0	0	0	0	0
1/4	1,216.50	1/4	1,029.44	1/4	842.37	1/4	655.31	1/4	468.25	1/4	281.19	1/4	94.13	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,212.60	1/2	1,025.54	1/2	838.47	1/2	651.41	1/2	464.35	1/2	277.29	1/2	90.23	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,208.70	3/4	1,021.64	3/4	834.58	3/4	647.52	3/4	460.45	3/4	273.39	3/4	86.33	3/4	3/4	3/4	3/4	3/4	3/4
1	1,204.81	1	1,017.75	1	830.68	1	643.62	1	456.56	1	269.50	1	82.44	1	1	1	1	1	1
1/4	1,200.91	1/4	1,013.85	1/4	826.79	1/4	639.73	1/4	452.66	1/4	265.60	1/4	78.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,197.01	1/2	1,009.95	1/2	822.89	1/2	635.83	1/2	448.76	1/2	261.70	1/2	74.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,193.11	3/4	1,006.05	3/4	818.99	3/4	631.93	3/4	444.87	3/4	257.81	3/4	70.74	3/4	3/4	3/4	3/4	3/4	3/4
1	1,189.22	1	1,002.16	1	815.10	1	628.04	1	440.97	1	253.91	1	66.85	1	1	1	1	1	1
1/4	1,185.32	1/4	998.28	1/4	811.20	1/4	624.14	1/4	437.08	1/4	250.02	1/4	62.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,181.42	1/2	994.36	1/2	807.30	1/2	620.24	1/2	433.18	1/2	246.12	1/2	59.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,177.52	3/4	990.46	3/4	803.40	3/4	616.34	3/4	429.28	3/4	242.22	3/4	55.16	3/4	3/4	3/4	3/4	3/4	3/4
1	1,173.63	1	986.57	1	799.51	1	612.45	1	425.39	1	238.33	1	51.28	1	1	1	1	1	1
1/4	1,169.73	1/4	982.67	1/4	795.61	1/4	608.55	1/4	421.49	1/4	234.43	1/4	47.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,165.83	1/2	978.77	1/2	791.71	1/2	604.65	1/2	417.59	1/2	230.53	1/2	43.80	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,161.93	3/4	974.87	3/4	787.81	3/4	600.75	3/4	413.69	3/4	226.63	3/4	40.22	3/4	3/4	3/4	3/4	3/4	3/4
1	1,158.04	1	970.98	1	783.92	1	596.86	1	409.80	1	222.74	1	36.65	1	1	1	1	1	1
1/4	1,154.14	1/4	967.08	1/4	780.02	1/4	592.96	1/4	405.90	1/4	218.84	1/4	33.08	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,150.24	1/2	963.18	1/2	776.12	1/2	589.06	1/2	402.01	1/2	214.94	1/2	30.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,146.34	3/4	959.28	3/4	772.22	3/4	585.16	3/4	398.11	3/4	211.04	3/4	27.23	3/4	3/4	3/4	3/4	3/4	3/4
1	1,142.45	1	955.39	1	768.33	1	581.27	1	394.22	1	207.15	1	24.31	1	1	1	1	1	1
1/4	1,138.55	1/4	951.49	1/4	764.43	1/4	577.37	1/4	390.33	1/4	203.25	1/4	21.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,134.65	1/2	947.59	1/2	760.53	1/2	573.47	1/2	386.43	1/2	199.35	1/2	19.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,130.76	3/4	943.70	3/4	756.63	3/4	569.56	3/4	382.52	3/4	195.45	3/4	16.84	3/4	3/4	3/4	3/4	3/4	3/4
1	1,126.86	1	939.80	1	752.74	1	565.66	1	378.62	1	191.56	1	14.56	1	1	1	1	1	1
1/4	1,122.97	1/4	935.91	1/4	748.84	1/4	561.76	1/4	374.72	1/4	187.66	1/4	12.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,119.07	1/2	932.01	1/2	744.94	1/2	557.87	1/2	370.82	1/2	183.76	1/2	10.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,115.17	3/4	928.11	3/4	741.05	3/4	553.98	3/4	366.92	3/4	179.88	3/4	7.71	3/4	3/4	3/4	3/4	3/4	3/4
1	1,111.28	1	924.22	1	737.15	1	550.09	1	363.03	1	175.97	1	5.42	1	1	1	1	1	1
1/4	1,107.38	1/4	920.32	1/4	733.26	1/4	546.20	1/4	359.13	1/4	172.07	1/4	3.13	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,103.48	1/2	916.42	1/2	729.36	1/2	542.30	1/2	355.23	1/2	168.17	1/2	0.84	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,099.58	3/4	912.52	3/4	725.46	3/4	538.40	3/4	351.34	3/4	164.26	3/4	0.55	3/4	3/4	3/4	3/4	3/4	3/4
1	1,095.69	1	908.63	1	721.57	1	534.51	1	347.44	1	160.38	1	0.26	1	1	1	1	1	1
1/4	1,091.79	1/4	904.73	1/4	717.67	1/4	530.61	1/4	343.55	1/4	156.49	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,087.89	1/2	900.83	1/2	713.77	1/2	526.71	1/2	339.65	1/2	152.59	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,083.99	3/4	896.93	3/4	709.87	3/4	522.81	3/4	335.75	3/4	148.69	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
1	1,080.10	1	893.04	1	705.98	1	518.92	1	331.85	1	144.80	1	0.00	1	1	1	1	1	1
1/4	1,076.20	1/4	889.14	1/4	702.08	1/4	515.02	1/4	327.95	1/4	140.90	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,072.30	1/2	885.24	1/2	698.18	1/2	511.12	1/2	324.05	1/2	137.00	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,068.40	3/4	881.34	3/4	694.28	3/4	507.22	3/4	320.16	3/4	133.10	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
1	1,064.51	1	877.45	1	690.39	1	503.33	1	316.26	1	129.21	1	0.00	1	1	1	1	1	1
1/4	1,060.61	1/4	873.55	1/4	686.49	1/4	499.43	1/4	312.37	1/4	125.31	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,056.71	1/2	869.65	1/2	682.59	1/2	495.53	1/2	308.47	1/2	121.41	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,052.81	3/4	865.75	3/4	678.69	3/4	491.63	3/4	304.58	3/4	117.51	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
1	1,048.92	1	861.86	1	674.80	1	487.74	1	300.68	1	113.62	1	0.00	1	1	1	1	1	1
1/4	1,045.02	1/4	857.96	1/4	670.90	1/4	483.84	1/4	296.78	1/4	109.72	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,041.12	1/2	854.06	1/2	667.00	1/2	479.94	1/2	292.87	1/2	105.82	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,037.23	3/4	850.16	3/4	663.10	3/4	476.04	3/4	288.97	3/4	101.92	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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DECK MEASUREMENTS: 07/21/1995 51
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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2004