

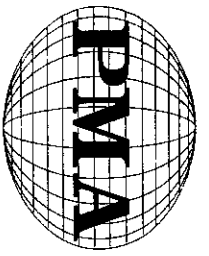


KIRBY 28019



Barge Strapping Tables





BARGE "KIRBY 28019"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
3 PORT	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8
3 STBD	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8

(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 4'-00 1/4"

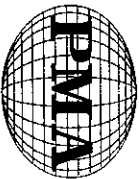
LENGTH BETWEEN DRAFT MARKS: 236'-06"

February 1, 2002

PRECISION MEASUREMENT

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

<http://www.pmacorp.net>



BARGE "KIRBY 28019"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OR 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35	4,338.35

GAUGE HEIGHT 16'-10 1/4"

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 EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 22'-09" OFF CENTERLINE AND 37'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 28019"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS										GAUGE HEIGHT 16-10 1/4"									
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,107.78	0	1,776.28	0	1,444.77	0	1,113.56	0	796.24	0	499.29	0	223.17	0		0			
1/4	2,100.87	1/4	1,769.37	1/4	1,437.87	1/4	1,106.71	1/4	799.84	1/4	493.31	1/4	217.63	1/4		1/4			
1/2	2,093.97	1/2	1,762.46	1/2	1,430.96	1/2	1,099.90	1/2	783.46	1/2	487.36	1/2	212.12	1/2		1/2			
3/4	2,087.06	3/4	1,755.56	3/4	1,424.05	3/4	1,093.08	3/4	777.08	3/4	481.42	3/4	206.61	3/4		3/4			
1	2,080.15	1	1,748.65	1	1,417.15	1	1,086.27	1	770.70	1	475.48	1	201.10	1		1			
1/4	2,073.25	1/4	1,741.74	1/4	1,410.24	1/4	1,079.46	1/4	764.32	1/4	469.53	1/4	195.59	1/4		1/4			
1/2	2,066.34	1/2	1,734.84	1/2	1,403.34	1/2	1,072.68	1/2	757.98	1/2	463.62	1/2	190.11	1/2		1/2			
3/4	2,059.43	3/4	1,727.93	3/4	1,396.43	3/4	1,065.90	3/4	751.63	3/4	457.71	3/4	184.64	3/4		3/4			
2	2,052.53	2	1,721.02	2	1,389.52	2	1,059.12	2	745.29	2	451.80	2	179.16	2		2			
1/4	2,045.62	1/4	1,714.12	1/4	1,382.62	1/4	1,052.34	1/4	738.95	1/4	445.89	1/4	173.69	1/4		1/4			
1/2	2,038.71	1/2	1,707.21	1/2	1,375.71	1/2	1,045.61	1/2	732.65	1/2	440.03	1/2	168.26	1/2		1/2			
3/4	2,031.81	3/4	1,700.31	3/4	1,368.80	3/4	1,038.88	3/4	726.35	3/4	434.17	3/4	162.83	3/4		3/4			
3	2,024.90	3	1,693.40	3	1,361.90	3	1,032.14	3	720.05	3	428.30	3	157.40	3		3			
1/4	2,018.00	1/4	1,686.49	1/4	1,354.99	1/4	1,025.41	1/4	713.75	1/4	422.44	1/4	151.97	1/4		1/4			
1/2	2,011.09	1/2	1,679.59	1/2	1,348.08	1/2	1,018.71	1/2	707.49	1/2	416.60	1/2	146.57	1/2		1/2			
3/4	2,004.18	3/4	1,672.68	3/4	1,341.18	3/4	1,012.01	3/4	701.22	3/4	410.77	3/4	141.17	3/4		3/4			
4	1,997.28	4	1,665.77	4	1,334.27	4	1,005.30	4	694.95	4	404.93	4	135.77	4		4			
1/4	1,990.37	1/4	1,658.87	1/4	1,327.37	1/4	998.60	1/4	688.68	1/4	399.10	1/4	130.37	1/4		1/4			
1/2	1,983.46	1/2	1,651.96	1/2	1,320.46	1/2	991.95	1/2	682.44	1/2	393.30	1/2	125.00	1/2		1/2			
3/4	1,976.56	3/4	1,645.06	3/4	1,313.55	3/4	985.29	3/4	676.21	3/4	387.50	3/4	119.64	3/4		3/4			
5	1,969.65	5	1,638.15	5	1,306.65	5	978.64	5	669.98	5	381.70	5	114.27	5		5			
1/4	1,962.75	1/4	1,631.24	1/4	1,299.74	1/4	971.99	1/4	663.74	1/4	375.90	1/4	108.91	1/4		1/4			
1/2	1,955.84	1/2	1,624.34	1/2	1,292.83	1/2	965.37	1/2	657.54	1/2	370.14	1/2	103.58	1/2		1/2			
3/4	1,948.93	3/4	1,617.43	3/4	1,285.93	3/4	958.75	3/4	651.34	3/4	364.37	3/4	98.25	3/4		3/4			
6	1,942.03	6	1,610.52	6	1,279.02	6	952.13	6	645.14	6	358.61	6	92.92	6		6			
1/4	1,935.12	1/4	1,603.62	1/4	1,272.12	1/4	945.52	1/4	638.94	1/4	352.84	1/4	87.59	1/4		1/4			
1/2	1,928.21	1/2	1,596.71	1/2	1,265.21	1/2	938.95	1/2	632.79	1/2	347.12	1/2	82.30	1/2		1/2			
3/4	1,921.31	3/4	1,589.81	3/4	1,258.30	3/4	932.37	3/4	626.64	3/4	341.40	3/4	77.02	3/4		3/4			
7	1,914.40	7	1,582.90	7	1,251.40	7	925.80	7	620.49	7	335.68	7	71.73	7		7			
1/4	1,907.50	1/4	1,575.99	1/4	1,244.49	1/4	919.23	1/4	614.33	1/4	329.97	1/4	66.45	1/4		1/4			
1/2	1,900.59	1/2	1,569.09	1/2	1,237.58	1/2	912.69	1/2	608.21	1/2	324.28	1/2	61.19	1/2		1/2			
3/4	1,893.68	3/4	1,562.18	3/4	1,230.68	3/4	906.15	3/4	602.08	3/4	318.59	3/4	55.94	3/4		3/4			
8	1,886.78	8	1,555.27	8	1,223.77	8	899.60	8	595.96	8	312.90	8	50.68	8		8			
1/4	1,879.87	1/4	1,548.37	1/4	1,216.87	1/4	893.06	1/4	589.84	1/4	307.21	1/4	45.43	1/4		1/4			
1/2	1,872.96	1/2	1,541.46	1/2	1,209.96	1/2	886.55	1/2	583.75	1/2	301.55	1/2	40.96	1/2		1/2			
3/4	1,866.06	3/4	1,534.55	3/4	1,203.05	3/4	880.05	3/4	577.66	3/4	295.90	3/4	36.49	3/4		3/4			
9	1,859.15	9	1,527.65	9	1,196.15	9	873.54	9	571.57	9	290.24	9	32.03	9		9			
1/4	1,852.24	1/4	1,520.74	1/4	1,189.24	1/4	867.03	1/4	565.48	1/4	284.59	1/4	27.56	1/4		1/4			
1/2	1,845.34	1/2	1,513.84	1/2	1,182.33	1/2	860.56	1/2	559.42	1/2	278.97	1/2	22.00	1/2		1/2			
3/4	1,838.43	3/4	1,506.93	3/4	1,175.43	3/4	854.08	3/4	553.37	3/4	273.35	3/4	16.44	3/4		3/4			
10	1,831.53	10	1,500.02	10	1,168.52	10	847.61	10	547.31	10	267.73	10	19.22	10		10			
1/4	1,824.62	1/4	1,493.12	1/4	1,161.61	1/4	841.14	1/4	541.26	1/4	262.11	1/4		1/4		1/4			
1/2	1,817.71	1/2	1,486.21	1/2	1,154.74	1/2	834.71	1/2	535.25	1/2	256.53	1/2		1/2		1/2			
3/4	1,810.81	3/4	1,479.30	3/4	1,147.86	3/4	828.28	3/4	529.24	3/4	250.96	3/4		3/4		3/4			
11	1,803.90	11	1,472.40	11	1,140.98	11	821.86	11	523.24	11	245.38	11		11		11			
1/4	1,796.99	1/4	1,465.49	1/4	1,134.11	1/4	815.43	1/4	517.23	1/4	239.81	1/4		1/4		1/4			
1/2	1,790.09	1/2	1,458.59	1/2	1,127.26	1/2	809.03	1/2	511.25	1/2	234.27	1/2		1/2		1/2			
3/4	1,783.18	3/4	1,451.68	3/4	1,120.41	3/4	802.63	3/4	505.27	3/4	228.72	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/29/2002 CL - SW
CALCULATED: 02/01/2002 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2002

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



BARGE "KIRBY 28019"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 3/8"

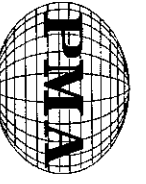
IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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 MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE EXTENDS TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 37'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28019"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS												GAUGE HEIGHT 16'-10 3/8"							
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,109.46	0	1,777.95	0	1,446.45	0	1,115.21	0	799.10	0	502.27	0	225.94	0		0			
1/4	2,102.55	1/4	1,771.05	1/4	1,439.55	1/4	1,108.36	1/4	792.74	1/4	496.29	1/4	220.40	1/4		1/4			
1/2	2,095.64	1/2	1,764.14	1/2	1,432.64	1/2	1,101.53	1/2	786.39	1/2	490.33	1/2	214.87	1/2		1/2			
3/4	2,088.74	3/4	1,757.24	3/4	1,425.73	3/4	1,094.72	3/4	780.05	3/4	484.38	3/4	209.36	3/4		3/4			
1	2,081.83	1	1,750.33	1	1,418.83	1	1,087.90	1	773.70	1	478.44	1	203.85	1		1			
1/4	2,074.93	1/4	1,743.42	1/4	1,411.92	1/4	1,081.09	1/4	767.36	1/4	472.50	1/4	198.34	1/4		1/4			
1/2	2,068.02	1/2	1,736.52	1/2	1,405.01	1/2	1,074.29	1/2	761.03	1/2	466.57	1/2	192.85	1/2		1/2			
3/4	2,061.11	3/4	1,729.61	3/4	1,398.11	3/4	1,067.52	3/4	754.72	3/4	460.66	3/4	187.37	3/4		3/4			
2	2,054.21	2	1,722.70	2	1,391.20	2	1,060.74	2	748.40	2	454.75	2	181.90	2		2			
1/4	2,047.30	1/4	1,715.80	1/4	1,384.30	1/4	1,053.96	1/4	742.09	1/4	448.84	1/4	176.42	1/4		1/4			
1/2	2,040.39	1/2	1,708.89	1/2	1,377.39	1/2	1,047.22	1/2	735.78	1/2	442.95	1/2	170.97	1/2		1/2			
3/4	2,033.49	3/4	1,701.99	3/4	1,370.48	3/4	1,040.51	3/4	729.49	3/4	437.09	3/4	165.54	3/4		3/4			
3	2,026.58	3	1,695.08	3	1,363.58	3	1,033.81	3	723.19	3	431.23	3	160.11	3		3			
1/4	2,019.67	1/4	1,688.17	1/4	1,356.67	1/4	1,027.11	1/4	716.89	1/4	425.36	1/4	154.68	1/4		1/4			
1/2	2,012.77	1/2	1,681.27	1/2	1,349.76	1/2	1,020.42	1/2	710.61	1/2	419.51	1/2	149.27	1/2		1/2			
3/4	2,005.86	3/4	1,674.36	3/4	1,342.86	3/4	1,013.76	3/4	704.34	3/4	413.68	3/4	143.87	3/4		3/4			
4	1,998.96	4	1,667.45	4	1,335.95	4	1,007.09	4	698.07	4	407.84	4	138.47	4		4			
1/4	1,992.05	1/4	1,660.55	1/4	1,329.04	1/4	1,000.42	1/4	691.80	1/4	402.01	1/4	133.07	1/4		1/4			
1/2	1,985.14	1/2	1,653.64	1/2	1,322.14	1/2	993.78	1/2	685.55	1/2	396.19	1/2	127.68	1/2		1/2			
3/4	1,978.24	3/4	1,646.73	3/4	1,315.23	3/4	987.17	3/4	679.32	3/4	390.39	3/4	122.32	3/4		3/4			
5	1,971.33	5	1,639.83	5	1,308.33	5	980.55	5	673.08	5	384.59	5	116.95	5		5			
1/4	1,964.42	1/4	1,632.92	1/4	1,301.42	1/4	973.94	1/4	666.85	1/4	378.79	1/4	111.59	1/4		1/4			
1/2	1,957.52	1/2	1,626.02	1/2	1,294.51	1/2	967.34	1/2	660.63	1/2	373.01	1/2	106.24	1/2		1/2			
3/4	1,950.61	3/4	1,619.11	3/4	1,287.61	3/4	960.76	3/4	654.43	3/4	367.25	3/4	100.91	3/4		3/4			
6	1,943.71	6	1,612.20	6	1,280.70	6	954.18	6	648.23	6	361.48	6	95.58	6		6			
1/4	1,936.80	1/4	1,605.30	1/4	1,273.79	1/4	947.60	1/4	642.03	1/4	355.72	1/4	90.25	1/4		1/4			
1/2	1,929.89	1/2	1,598.39	1/2	1,266.88	1/2	941.05	1/2	635.86	1/2	349.97	1/2	84.94	1/2		1/2			
3/4	1,922.99	3/4	1,591.48	3/4	1,259.98	3/4	934.52	3/4	629.70	3/4	344.26	3/4	79.66	3/4		3/4			
7	1,916.08	7	1,584.58	7	1,253.08	7	927.98	7	623.55	7	338.54	7	74.37	7		7			
1/4	1,909.17	1/4	1,577.67	1/4	1,246.17	1/4	921.45	1/4	617.40	1/4	332.82	1/4	69.09	1/4		1/4			
1/2	1,902.27	1/2	1,570.77	1/2	1,239.26	1/2	914.93	1/2	611.26	1/2	327.11	1/2	63.82	1/2		1/2			
3/4	1,895.36	3/4	1,563.86	3/4	1,232.36	3/4	908.43	3/4	605.14	3/4	321.43	3/4	58.56	3/4		3/4			
8	1,888.46	8	1,556.95	8	1,225.45	8	901.92	8	599.01	8	315.74	8	53.31	8		8			
1/4	1,881.55	1/4	1,550.05	1/4	1,218.54	1/4	895.42	1/4	592.89	1/4	310.05	1/4	48.05	1/4		1/4			
1/2	1,874.64	1/2	1,543.14	1/2	1,211.64	1/2	888.93	1/2	586.78	1/2	304.37	1/2	43.19	1/2		1/2			
3/4	1,867.74	3/4	1,536.23	3/4	1,204.73	3/4	882.46	3/4	580.69	3/4	298.72	3/4	38.73	3/4		3/4			
9	1,860.83	9	1,529.33	9	1,197.83	9	876.00	9	574.60	9	293.06	9	34.26	9		9			
1/4	1,853.92	1/4	1,522.42	1/4	1,190.92	1/4	869.53	1/4	568.51	1/4	287.41	1/4	29.79	1/4		1/4			
1/2	1,847.02	1/2	1,515.51	1/2	1,184.01	1/2	863.07	1/2	562.44	1/2	281.77	1/2	26.17	1/2		1/2			
3/4	1,840.11	3/4	1,508.61	3/4	1,177.11	3/4	856.64	3/4	556.39	3/4	276.15	3/4	23.39	3/4		3/4			
10	1,833.20	10	1,501.70	10	1,170.20	10	850.20	10	550.33	10	270.53	10	20.61	10		10			
1/4	1,826.30	1/4	1,494.80	1/4	1,163.29	1/4	843.77	1/4	544.28	1/4	264.91	1/4	17.83	1/4		1/4			
1/2	1,819.39	1/2	1,487.89	1/2	1,156.40	1/2	837.36	1/2	538.25	1/2	259.31	1/2	16.44	1/2		1/2			
3/4	1,812.49	3/4	1,480.98	3/4	1,149.52	3/4	830.97	3/4	532.24	3/4	253.74	3/4		3/4		3/4			
11	1,805.58	11	1,474.08	11	1,142.65	11	824.58	11	526.23	11	248.17	11		11		11			
1/4	1,798.67	1/4	1,467.17	1/4	1,135.77	1/4	818.19	1/4	520.22	1/4	242.59	1/4		1/4		1/4			
1/2	1,791.77	1/2	1,460.26	1/2	1,128.91	1/2	811.82	1/2	514.23	1/2	237.03	1/2		1/2		1/2			
3/4	1,784.86	3/4	1,453.36	3/4	1,122.06	3/4	805.46	3/4	508.25	3/4	231.49	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2002 CL - SW
CALCULATED: 02/01/2002 CL

CANCEL S AND SUPERCEDES
ALL PRIOR TO 02/2002

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28019"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS				GAUGE HEIGHT 16'-10 1/4"															
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,660.08	0	2,272.35	0	1,884.62	0	1,496.89	0	1,109.16	0	721.93	0	334.80	0		0			
1/4	2,652.00	1/4	2,264.27	1/4	1,876.54	1/4	1,488.81	1/4	1,101.08	1/4	713.88	1/4	326.73	1/4		1/4			
1/2	2,643.92	1/2	2,256.19	1/2	1,868.46	1/2	1,480.74	1/2	1,093.01	1/2	705.83	1/2	318.66	1/2		1/2			
3/4	2,635.85	3/4	2,248.12	3/4	1,860.39	3/4	1,472.66	3/4	1,084.93	3/4	697.77	3/4	310.59	3/4		3/4			
1	2,627.77	1	2,240.04	1	1,852.31	1	1,464.58	1	1,076.85	1	689.72	1	302.52	1		1			
1 1/4	2,619.69	1 1/4	2,231.96	1 1/4	1,844.23	1 1/4	1,456.50	1 1/4	1,068.77	1 1/4	681.67	1 1/4	294.45	1 1/4		1 1/4			
1 1/2	2,611.61	1 1/2	2,223.88	1 1/2	1,836.15	1 1/2	1,448.42	1 1/2	1,060.69	1 1/2	673.61	1 1/2	286.38	1 1/2		1 1/2			
1 3/4	2,603.54	1 3/4	2,215.81	1 3/4	1,828.08	1 3/4	1,440.35	1 3/4	1,052.62	1 3/4	665.56	1 3/4	278.31	1 3/4		1 3/4			
2	2,595.46	2	2,207.73	2	1,820.00	2	1,432.27	2	1,044.54	2	657.51	2	270.25	2		2			
2 1/4	2,587.38	2 1/4	2,199.65	2 1/4	1,811.92	2 1/4	1,424.19	2 1/4	1,036.46	2 1/4	649.45	2 1/4	262.18	2 1/4		2 1/4			
2 1/2	2,579.30	2 1/2	2,191.57	2 1/2	1,803.84	2 1/2	1,416.11	2 1/2	1,028.38	2 1/2	641.39	2 1/2	254.11	2 1/2		2 1/2			
2 3/4	2,571.22	2 3/4	2,183.50	2 3/4	1,795.77	2 3/4	1,408.04	2 3/4	1,020.31	2 3/4	633.33	2 3/4	246.04	2 3/4		2 3/4			
3	2,563.15	3	2,175.42	3	1,787.69	3	1,399.96	3	1,012.23	3	625.27	3	237.97	3		3			
3 1/4	2,555.07	3 1/4	2,167.34	3 1/4	1,779.61	3 1/4	1,391.88	3 1/4	1,004.15	3 1/4	617.21	3 1/4	229.90	3 1/4		3 1/4			
3 1/2	2,546.99	3 1/2	2,159.26	3 1/2	1,771.53	3 1/2	1,383.80	3 1/2	996.07	3 1/2	609.14	3 1/2	221.83	3 1/2		3 1/2			
3 3/4	2,538.91	3 3/4	2,151.18	3 3/4	1,763.45	3 3/4	1,375.73	3 3/4	988.00	3 3/4	601.07	3 3/4	213.76	3 3/4		3 3/4			
4	2,530.84	4	2,143.11	4	1,755.38	4	1,367.65	4	979.92	4	593.01	4	205.69	4		4			
4 1/4	2,522.76	4 1/4	2,135.03	4 1/4	1,747.30	4 1/4	1,359.57	4 1/4	971.84	4 1/4	584.94	4 1/4	197.62	4 1/4		4 1/4			
4 1/2	2,514.68	4 1/2	2,126.95	4 1/2	1,739.22	4 1/2	1,351.49	4 1/2	963.76	4 1/2	576.87	4 1/2	189.56	4 1/2		4 1/2			
4 3/4	2,506.60	4 3/4	2,118.87	4 3/4	1,731.14	4 3/4	1,343.41	4 3/4	955.68	4 3/4	568.80	4 3/4	181.49	4 3/4		4 3/4			
5	2,498.53	5	2,110.80	5	1,723.07	5	1,335.34	5	947.61	5	560.73	5	173.42	5		5			
5 1/4	2,490.45	5 1/4	2,102.72	5 1/4	1,714.99	5 1/4	1,327.26	5 1/4	939.53	5 1/4	552.66	5 1/4	165.35	5 1/4		5 1/4			
5 1/2	2,482.37	5 1/2	2,094.64	5 1/2	1,706.91	5 1/2	1,319.18	5 1/2	931.45	5 1/2	544.59	5 1/2	157.28	5 1/2		5 1/2			
5 3/4	2,474.29	5 3/4	2,086.56	5 3/4	1,698.83	5 3/4	1,311.10	5 3/4	923.37	5 3/4	536.52	5 3/4	149.21	5 3/4		5 3/4			
6	2,466.21	6	2,078.49	6	1,690.76	6	1,303.03	6	915.30	6	528.45	6	141.14	6		6			
6 1/4	2,458.14	6 1/4	2,070.41	6 1/4	1,682.68	6 1/4	1,294.95	6 1/4	907.22	6 1/4	520.38	6 1/4	133.07	6 1/4		6 1/4			
6 1/2	2,450.06	6 1/2	2,062.33	6 1/2	1,674.60	6 1/2	1,286.87	6 1/2	899.15	6 1/2	512.32	6 1/2	125.00	6 1/2		6 1/2			
6 3/4	2,441.98	6 3/4	2,054.25	6 3/4	1,666.52	6 3/4	1,278.79	6 3/4	891.08	6 3/4	504.25	6 3/4	116.93	6 3/4		6 3/4			
7	2,433.90	7	2,046.17	7	1,658.44	7	1,270.72	7	883.02	7	496.18	7	108.87	7		7			
7 1/4	2,425.83	7 1/4	2,038.10	7 1/4	1,650.37	7 1/4	1,262.64	7 1/4	874.95	7 1/4	488.11	7 1/4	100.80	7 1/4		7 1/4			
7 1/2	2,417.75	7 1/2	2,030.02	7 1/2	1,642.29	7 1/2	1,254.56	7 1/2	866.90	7 1/2	480.04	7 1/2	92.73	7 1/2		7 1/2			
7 3/4	2,409.67	7 3/4	2,021.94	7 3/4	1,634.21	7 3/4	1,246.48	7 3/4	858.84	7 3/4	471.97	7 3/4	84.66	7 3/4		7 3/4			
8	2,401.59	8	2,013.86	8	1,626.13	8	1,238.40	8	850.79	8	463.90	8	76.59	8		8			
8 1/4	2,393.52	8 1/4	2,005.79	8 1/4	1,618.06	8 1/4	1,230.33	8 1/4	842.73	8 1/4	455.83	8 1/4	68.52	8 1/4		8 1/4			
8 1/2	2,385.44	8 1/2	1,997.71	8 1/2	1,609.98	8 1/2	1,222.25	8 1/2	834.68	8 1/2	447.76	8 1/2	61.33	8 1/2		8 1/2			
8 3/4	2,377.36	8 3/4	1,989.63	8 3/4	1,601.90	8 3/4	1,214.17	8 3/4	826.63	8 3/4	439.69	8 3/4	54.15	8 3/4		8 3/4			
9	2,369.28	9	1,981.55	9	1,593.82	9	1,206.09	9	818.57	9	431.63	9	46.96	9		9			
9 1/4	2,361.20	9 1/4	1,973.47	9 1/4	1,585.75	9 1/4	1,198.02	9 1/4	810.52	9 1/4	423.56	9 1/4	39.77	9 1/4		9 1/4			
9 1/2	2,353.13	9 1/2	1,965.40	9 1/2	1,577.67	9 1/2	1,189.94	9 1/2	802.47	9 1/2	415.49	9 1/2	34.48	9 1/2		9 1/2			
9 3/4	2,345.05	9 3/4	1,957.32	9 3/4	1,569.59	9 3/4	1,181.86	9 3/4	794.41	9 3/4	407.42	9 3/4	29.19	9 3/4		9 3/4			
10	2,336.97	10	1,949.24	10	1,561.51	10	1,173.78	10	786.36	10	399.35	10	23.90	10		10			
10 1/4	2,328.89	10 1/4	1,941.16	10 1/4	1,553.43	10 1/4	1,165.70	10 1/4	778.31	10 1/4	391.28	10 1/4	18.60	10 1/4		10 1/4			
10 1/2	2,320.82	10 1/2	1,933.09	10 1/2	1,545.36	10 1/2	1,157.63	10 1/2	770.25	10 1/2	383.21	10 1/2		10 1/2		10 1/2			
10 3/4	2,312.74	10 3/4	1,925.01	10 3/4	1,537.28	10 3/4	1,149.55	10 3/4	762.20	10 3/4	375.14	10 3/4		10 3/4		10 3/4			
11	2,304.66	11	1,916.93	11	1,529.20	11	1,141.47	11	754.15	11	367.07	11		11		11			
11 1/4	2,296.58	11 1/4	1,908.85	11 1/4	1,521.12	11 1/4	1,133.39	11 1/4	746.09	11 1/4	359.00	11 1/4		11 1/4		11 1/4			
11 1/2	2,288.51	11 1/2	1,900.78	11 1/2	1,513.05	11 1/2	1,125.32	11 1/2	738.04	11 1/2	350.94	11 1/2		11 1/2		11 1/2			
11 3/4	2,280.43	11 3/4	1,892.70	11 3/4	1,504.97	11 3/4	1,117.24	11 3/4	729.99	11 3/4	342.87	11 3/4		11 3/4		11 3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/29/2002 CL - SW
CALCULATED: 02/01/2002 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2002

PRECISION MEASUREMENT

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



BARGE "KIRBY 28019"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,646.95	0	2,259.11	0	1,871.27	0	1,483.43	0	1,095.59	0	717.07	0	335.60	0		0		0	
1/4	2,638.87	1/4	2,251.03	1/4	1,863.19	1/4	1,475.35	1/4	1,087.51	1/4	709.32	1/4	327.52	1/4		1/4		1/4	
1/2	2,630.79	1/2	2,242.95	1/2	1,855.11	1/2	1,467.27	1/2	1,079.43	1/2	701.58	1/2	319.44	1/2		1/2		1/2	
3/4	2,622.71	3/4	2,234.87	3/4	1,847.03	3/4	1,459.19	3/4	1,071.35	3/4	693.83	3/4	311.36	3/4		3/4		3/4	
1	2,614.63	1	2,226.79	1	1,838.95	1	1,451.11	1	1,063.27	1	686.09	1	303.29	1		1		1	
1 1/4	2,606.55	1 1/4	2,218.71	1 1/4	1,830.87	1 1/4	1,443.03	1 1/4	1,055.19	1 1/4	678.34	1 1/4	295.21	1 1/4		1 1/4		1 1/4	
1 1/2	2,598.47	1 1/2	2,210.63	1 1/2	1,822.79	1 1/2	1,434.95	1 1/2	1,047.11	1 1/2	670.60	1 1/2	287.13	1 1/2		1 1/2		1 1/2	
3/4	2,590.39	3/4	2,202.55	3/4	1,814.71	3/4	1,426.87	3/4	1,039.03	3/4	662.86	3/4	279.05	3/4		3/4		3/4	
2	2,582.31	2	2,194.47	2	1,806.63	2	1,418.79	2	1,030.95	2	655.11	2	270.97	2		2		2	
1 1/4	2,574.23	1 1/4	2,186.39	1 1/4	1,798.55	1 1/4	1,410.71	1 1/4	1,022.87	1 1/4	647.37	1 1/4	262.89	1 1/4		1 1/4		1 1/4	
1 1/2	2,566.15	1 1/2	2,178.31	1 1/2	1,790.47	1 1/2	1,402.63	1 1/2	1,014.79	1 1/2	639.61	1 1/2	254.81	1 1/2		1 1/2		1 1/2	
3/4	2,558.07	3/4	2,170.23	3/4	1,782.39	3/4	1,394.55	3/4	1,006.71	3/4	631.86	3/4	246.73	3/4		3/4		3/4	
3	2,549.99	3	2,162.15	3	1,774.31	3	1,386.47	3	998.63	3	624.11	3	238.65	3		3		3	
1 1/4	2,541.91	1 1/4	2,154.07	1 1/4	1,766.23	1 1/4	1,378.39	1 1/4	990.55	1 1/4	616.35	1 1/4	230.57	1 1/4		1 1/4		1 1/4	
1 1/2	2,533.83	1 1/2	2,145.99	1 1/2	1,758.15	1 1/2	1,370.31	1 1/2	982.47	1 1/2	608.59	1 1/2	222.49	1 1/2		1 1/2		1 1/2	
3/4	2,525.75	3/4	2,137.91	3/4	1,750.07	3/4	1,362.23	3/4	974.39	3/4	600.82	3/4	214.41	3/4		3/4		3/4	
4	2,517.67	4	2,129.83	4	1,741.99	4	1,354.15	4	966.31	4	593.05	4	206.34	4		4		4	
1 1/4	2,509.59	1 1/4	2,121.75	1 1/4	1,733.91	1 1/4	1,346.07	1 1/4	958.23	1 1/4	585.29	1 1/4	198.26	1 1/4		1 1/4		1 1/4	
1 1/2	2,501.51	1 1/2	2,113.67	1 1/2	1,725.83	1 1/2	1,337.99	1 1/2	950.29	1 1/2	577.38	1 1/2	190.18	1 1/2		1 1/2		1 1/2	
3/4	2,493.43	3/4	2,105.59	3/4	1,717.75	3/4	1,329.91	3/4	942.34	3/4	569.48	3/4	182.10	3/4		3/4		3/4	
5	2,485.35	5	2,097.51	5	1,709.67	5	1,321.83	5	934.39	5	561.57	5	174.02	5		5		5	
1 1/4	2,477.27	1 1/4	2,089.43	1 1/4	1,701.59	1 1/4	1,313.75	1 1/4	926.45	1 1/4	553.66	1 1/4	165.94	1 1/4		1 1/4		1 1/4	
1 1/2	2,469.19	1 1/2	2,081.35	1 1/2	1,693.51	1 1/2	1,305.67	1 1/2	918.66	1 1/2	545.60	1 1/2	157.86	1 1/2		1 1/2		1 1/2	
3/4	2,461.11	3/4	2,073.27	3/4	1,685.43	3/4	1,297.59	3/4	910.87	3/4	537.54	3/4	149.78	3/4		3/4		3/4	
6	2,453.03	6	2,065.19	6	1,677.35	6	1,289.51	6	903.07	6	529.48	6	141.70	6		6		6	
1 1/4	2,444.95	1 1/4	2,057.11	1 1/4	1,669.27	1 1/4	1,281.43	1 1/4	895.28	1 1/4	521.42	1 1/4	133.62	1 1/4		1 1/4		1 1/4	
1 1/2	2,436.87	1 1/2	2,049.03	1 1/2	1,661.19	1 1/2	1,273.35	1 1/2	887.53	1 1/2	513.34	1 1/2	125.54	1 1/2		1 1/2		1 1/2	
3/4	2,428.79	3/4	2,040.95	3/4	1,653.11	3/4	1,265.27	3/4	879.77	3/4	505.26	3/4	117.47	3/4		3/4		3/4	
7	2,420.71	7	2,032.87	7	1,645.03	7	1,257.19	7	872.01	7	497.18	7	109.39	7		7		7	
1 1/4	2,412.63	1 1/4	2,024.79	1 1/4	1,636.95	1 1/4	1,249.11	1 1/4	864.25	1 1/4	489.10	1 1/4	101.31	1 1/4		1 1/4		1 1/4	
1 1/2	2,404.55	1 1/2	2,016.71	1 1/2	1,628.87	1 1/2	1,241.03	1 1/2	856.50	1 1/2	481.03	1 1/2	93.23	1 1/2		1 1/2		1 1/2	
3/4	2,396.47	3/4	2,008.63	3/4	1,620.79	3/4	1,232.95	3/4	848.76	3/4	472.95	3/4	85.15	3/4		3/4		3/4	
8	2,388.39	8	2,000.55	8	1,612.71	8	1,224.87	8	841.01	8	464.87	8	77.07	8		8		8	
1 1/4	2,380.31	1 1/4	1,992.47	1 1/4	1,604.63	1 1/4	1,216.79	1 1/4	833.26	1 1/4	456.79	1 1/4	68.99	1 1/4		1 1/4		1 1/4	
1 1/2	2,372.23	1 1/2	1,984.39	1 1/2	1,596.55	1 1/2	1,208.71	1 1/2	825.51	1 1/2	448.71	1 1/2	61.79	1 1/2		1 1/2		1 1/2	
3/4	2,364.15	3/4	1,976.31	3/4	1,588.47	3/4	1,200.63	3/4	817.77	3/4	440.63	3/4	54.60	3/4		3/4		3/4	
9	2,356.07	9	1,968.23	9	1,580.39	9	1,192.55	9	810.02	9	432.55	9	47.40	9		9		9	
1 1/4	2,347.99	1 1/4	1,960.15	1 1/4	1,572.31	1 1/4	1,184.47	1 1/4	802.28	1 1/4	424.47	1 1/4	40.20	1 1/4		1 1/4		1 1/4	
1 1/2	2,339.91	1 1/2	1,952.07	1 1/2	1,564.23	1 1/2	1,176.39	1 1/2	794.53	1 1/2	416.39	1 1/2	34.90	1 1/2		1 1/2		1 1/2	
3/4	2,331.83	3/4	1,943.99	3/4	1,556.15	3/4	1,168.31	3/4	786.78	3/4	408.31	3/4	29.60	3/4		3/4		3/4	
10	2,323.75	10	1,935.91	10	1,548.07	10	1,160.23	10	779.04	10	400.23	10	24.30	10		10		10	
1 1/4	2,315.67	1 1/4	1,927.83	1 1/4	1,539.99	1 1/4	1,152.15	1 1/4	771.29	1 1/4	392.16	1 1/4	18.99	1 1/4		1 1/4		1 1/4	
1 1/2	2,307.59	1 1/2	1,919.75	1 1/2	1,531.91	1 1/2	1,144.07	1 1/2	763.54	1 1/2	384.08	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,299.51	3/4	1,911.67	3/4	1,523.83	3/4	1,135.99	3/4	755.80	3/4	376.00	3/4		3/4		3/4		3/4	
11	2,291.43	11	1,903.59	11	1,515.75	11	1,127.91	11	748.05	11	367.92	11		11		11		11	
1 1/4	2,283.35	1 1/4	1,895.51	1 1/4	1,507.67	1 1/4	1,119.83	1 1/4	740.31	1 1/4	359.84	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,275.27	1 1/2	1,887.43	1 1/2	1,499.59	1 1/2	1,111.75	1 1/2	732.56	1 1/2	351.76	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,267.19	3/4	1,879.35	3/4	1,491.51	3/4	1,103.67	3/4	724.81	3/4	343.68	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2002 CL - SW
CALCULATED: 02/01/2002 CL

PRECISION MEASUREMENT

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2002

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



BARGE "KIRBY 28019"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,475.77	0	2,115.06	0	1,754.34	0	1,393.63	0	1,033.18	0	673.01	0	312.30	0		0			
1/4	2,468.26	1/4	2,107.54	1/4	1,746.83	1/4	1,386.11	1/4	1,025.69	1/4	665.50	1/4	304.79	1/4		1/4			
1/2	2,460.75	1/2	2,100.03	1/2	1,739.31	1/2	1,378.60	1/2	1,018.20	1/2	657.98	1/2	297.27	1/2		1/2			
3/4	2,453.23	3/4	2,092.51	3/4	1,731.80	3/4	1,371.08	3/4	1,010.71	3/4	650.47	3/4	289.76	3/4		3/4			
1	2,445.72	1	2,085.00	1	1,724.28	1	1,363.57	1	1,003.22	1	642.95	1	282.25	1		1			
1/4	2,438.20	1/4	2,077.49	1/4	1,716.77	1/4	1,356.05	1/4	995.73	1/4	635.44	1/4	274.73	1/4		1/4			
1/2	2,430.69	1/2	2,069.97	1/2	1,709.26	1/2	1,348.54	1/2	988.24	1/2	627.92	1/2	267.22	1/2		1/2			
3/4	2,423.17	3/4	2,062.46	3/4	1,701.74	3/4	1,341.03	3/4	980.75	3/4	620.41	3/4	259.70	3/4		3/4			
2	2,415.66	2	2,054.94	2	1,694.23	2	1,333.51	2	973.26	2	612.89	2	252.19	2		2			
1/4	2,408.14	1/4	2,047.43	1/4	1,686.71	1/4	1,326.00	1/4	965.77	1/4	605.38	1/4	244.67	1/4		1/4			
1/2	2,400.63	1/2	2,039.91	1/2	1,679.20	1/2	1,318.48	1/2	958.28	1/2	597.86	1/2	237.16	1/2		1/2			
3/4	2,393.11	3/4	2,032.40	3/4	1,671.68	3/4	1,310.97	3/4	950.79	3/4	590.35	3/4	229.64	3/4		3/4			
3	2,385.60	3	2,024.88	3	1,664.17	3	1,303.45	3	943.30	3	582.83	3	222.13	3		3			
1/4	2,378.08	1/4	2,017.37	1/4	1,656.65	1/4	1,295.94	1/4	935.81	1/4	575.32	1/4	214.61	1/4		1/4			
1/2	2,370.57	1/2	2,009.85	1/2	1,649.14	1/2	1,288.42	1/2	928.32	1/2	567.80	1/2	207.10	1/2		1/2			
3/4	2,363.05	3/4	2,002.34	3/4	1,641.62	3/4	1,280.91	3/4	920.83	3/4	560.29	3/4	199.58	3/4		3/4			
4	2,355.54	4	1,994.82	4	1,634.11	4	1,273.39	4	913.34	4	552.77	4	192.07	4		4			
1/4	2,348.02	1/4	1,987.31	1/4	1,626.59	1/4	1,265.88	1/4	905.85	1/4	545.26	1/4	184.55	1/4		1/4			
1/2	2,340.51	1/2	1,979.79	1/2	1,619.08	1/2	1,258.36	1/2	898.36	1/2	537.75	1/2	177.04	1/2		1/2			
3/4	2,332.99	3/4	1,972.28	3/4	1,611.56	3/4	1,250.85	3/4	890.87	3/4	530.23	3/4	169.53	3/4		3/4			
5	2,325.48	5	1,964.76	5	1,604.05	5	1,243.33	5	883.38	5	522.72	5	162.01	5		5			
1/4	2,317.96	1/4	1,957.25	1/4	1,596.53	1/4	1,235.82	1/4	875.89	1/4	515.20	1/4	154.50	1/4		1/4			
1/2	2,310.45	1/2	1,949.73	1/2	1,589.02	1/2	1,228.30	1/2	868.38	1/2	507.69	1/2	146.98	1/2		1/2			
3/4	2,302.93	3/4	1,942.22	3/4	1,581.50	3/4	1,220.79	3/4	860.87	3/4	500.17	3/4	139.47	3/4		3/4			
6	2,295.42	6	1,934.70	6	1,573.99	6	1,213.27	6	853.36	6	492.66	6	131.95	6		6			
1/4	2,287.90	1/4	1,927.19	1/4	1,566.47	1/4	1,205.76	1/4	845.85	1/4	485.14	1/4	124.44	1/4		1/4			
1/2	2,280.39	1/2	1,919.67	1/2	1,558.96	1/2	1,198.24	1/2	838.33	1/2	477.63	1/2	116.92	1/2		1/2			
3/4	2,272.87	3/4	1,912.16	3/4	1,551.44	3/4	1,190.73	3/4	830.82	3/4	470.11	3/4	109.41	3/4		3/4			
7	2,265.36	7	1,904.64	7	1,543.93	7	1,183.21	7	823.30	7	462.60	7	101.89	7		7			
1/4	2,257.84	1/4	1,897.13	1/4	1,536.41	1/4	1,175.70	1/4	815.79	1/4	455.08	1/4	94.38	1/4		1/4			
1/2	2,250.33	1/2	1,889.61	1/2	1,528.90	1/2	1,168.18	1/2	808.27	1/2	447.57	1/2	86.86	1/2		1/2			
3/4	2,242.81	3/4	1,882.10	3/4	1,521.38	3/4	1,160.67	3/4	800.76	3/4	440.05	3/4	79.35	3/4		3/4			
8	2,235.30	8	1,874.58	8	1,513.87	8	1,153.15	8	793.25	8	432.54	8	71.83	8		8			
1/4	2,227.78	1/4	1,867.07	1/4	1,506.35	1/4	1,145.64	1/4	785.73	1/4	425.02	1/4	64.32	1/4		1/4			
1/2	2,220.27	1/2	1,859.55	1/2	1,498.84	1/2	1,138.12	1/2	778.22	1/2	417.51	1/2	57.81	1/2		1/2			
3/4	2,212.75	3/4	1,852.04	3/4	1,491.32	3/4	1,130.61	3/4	770.70	3/4	410.00	3/4	50.30	3/4		3/4			
9	2,205.24	9	1,844.52	9	1,483.81	9	1,123.09	9	763.19	9	402.48	9	42.79	9		9			
1/4	2,197.72	1/4	1,837.01	1/4	1,476.29	1/4	1,115.58	1/4	755.67	1/4	394.97	1/4	35.28	1/4		1/4			
1/2	2,190.21	1/2	1,829.49	1/2	1,468.78	1/2	1,108.08	1/2	748.16	1/2	387.45	1/2	27.77	1/2		1/2			
3/4	2,182.69	3/4	1,821.98	3/4	1,461.26	3/4	1,100.59	3/4	740.64	3/4	379.94	3/4	20.26	3/4		3/4			
10	2,175.18	10	1,814.46	10	1,453.75	10	1,093.10	10	733.13	10	372.42	10	12.75	10		10			
1/4	2,167.66	1/4	1,806.95	1/4	1,446.23	1/4	1,085.60	1/4	725.61	1/4	364.91	1/4	5.24	1/4		1/4			
1/2	2,160.15	1/2	1,799.43	1/2	1,438.72	1/2	1,078.11	1/2	718.10	1/2	357.39	1/2	2.73	1/2		1/2			
3/4	2,152.63	3/4	1,791.92	3/4	1,431.20	3/4	1,070.62	3/4	710.58	3/4	349.88	3/4	0.22	3/4		3/4			
11	2,145.12	11	1,784.40	11	1,423.69	11	1,063.14	11	703.07	11	342.36	11		11		11			
1/4	2,137.60	1/4	1,776.89	1/4	1,416.17	1/4	1,055.65	1/4	695.55	1/4	334.85	1/4		1/4		1/4			
1/2	2,130.09	1/2	1,769.37	1/2	1,408.66	1/2	1,048.16	1/2	688.04	1/2	327.33	1/2		1/2		1/2			
3/4	2,122.57	3/4	1,761.86	3/4	1,401.14	3/4	1,040.67	3/4	680.52	3/4	319.82	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2002 CL - SW
CALCULATED: 02/01/2002 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2002

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



BARGE "KIRBY 28019"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OR 42 U.S. GALLONS			GAUGE HEIGHT 16'-10 1/4"																
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,454.71	0	2,094.73	0	1,737.70	0	1,377.73	0	1,021.34	0	668.51	0	312.12	0		0			
1/4	2,447.21	1/4	2,087.22	1/4	1,730.27	1/4	1,370.23	1/4	1,013.98	1/4	661.18	1/4	304.62	1/4		1/4			
1/2	2,439.71	1/2	2,079.78	1/2	1,722.78	1/2	1,362.73	1/2	1,006.62	1/2	653.85	1/2	297.12	1/2		1/2			
3/4	2,432.21	3/4	2,072.34	3/4	1,715.28	3/4	1,355.22	3/4	999.26	3/4	646.51	3/4	289.62	3/4		3/4			
1	2,424.72	1	2,064.89	1	1,707.79	1	1,347.72	1	991.90	1	639.18	1	282.11	1		1			
1 1/4	2,417.22	1 1/4	2,057.45	1 1/4	1,700.30	1 1/4	1,340.22	1 1/4	984.55	1 1/4	631.85	1 1/4	274.61	1 1/4		1 1/4			
1 1/2	2,409.72	1 1/2	2,050.01	1 1/2	1,692.80	1 1/2	1,332.72	1 1/2	977.19	1 1/2	624.51	1 1/2	267.11	1 1/2		1 1/2			
3/4	2,402.23	3/4	2,042.58	3/4	1,685.29	3/4	1,325.22	3/4	969.83	3/4	617.18	3/4	259.61	3/4		3/4			
2	2,394.73	2	2,035.14	2	1,677.79	2	1,317.72	2	962.47	2	609.85	2	252.10	2		2			
1 1/4	2,387.23	1 1/4	2,027.70	1 1/4	1,670.29	1 1/4	1,310.21	1 1/4	955.11	1 1/4	602.51	1 1/4	244.60	1 1/4		1 1/4			
1 1/2	2,379.73	1 1/2	2,020.27	1 1/2	1,662.79	1 1/2	1,302.71	1 1/2	947.75	1 1/2	595.18	1 1/2	237.10	1 1/2		1 1/2			
3/4	2,372.24	3/4	2,012.83	3/4	1,655.29	3/4	1,295.21	3/4	940.39	3/4	587.84	3/4	229.60	3/4		3/4			
3	2,364.74	3	2,005.40	3	1,647.79	3	1,287.71	3	933.04	3	580.51	3	222.09	3		3			
1 1/4	2,357.24	1 1/4	1,997.96	1 1/4	1,640.29	1 1/4	1,280.21	1 1/4	925.68	1 1/4	573.18	1 1/4	214.59	1 1/4		1 1/4			
1 1/2	2,349.75	1 1/2	1,990.53	1 1/2	1,632.78	1 1/2	1,272.71	1 1/2	918.32	1 1/2	565.83	1 1/2	207.08	1 1/2		1 1/2			
3/4	2,342.25	3/4	1,983.09	3/4	1,625.28	3/4	1,265.21	3/4	910.96	3/4	558.49	3/4	199.57	3/4		3/4			
4	2,334.75	4	1,975.65	4	1,617.78	4	1,257.70	4	903.60	4	551.14	4	192.05	4		4			
1 1/4	2,327.25	1 1/4	1,968.22	1 1/4	1,610.28	1 1/4	1,250.20	1 1/4	896.24	1 1/4	543.80	1 1/4	184.54	1 1/4		1 1/4			
1 1/2	2,319.76	1 1/2	1,960.78	1 1/2	1,602.78	1 1/2	1,242.70	1 1/2	888.88	1 1/2	536.43	1 1/2	177.03	1 1/2		1 1/2			
3/4	2,312.26	3/4	1,953.35	3/4	1,595.28	3/4	1,235.20	3/4	881.53	3/4	529.07	3/4	169.51	3/4		3/4			
5	2,304.76	5	1,945.91	5	1,587.77	5	1,227.70	5	874.17	5	521.71	5	162.00	5		5			
1 1/4	2,297.27	1 1/4	1,938.47	1 1/4	1,580.27	1 1/4	1,220.20	1 1/4	866.81	1 1/4	514.35	1 1/4	154.48	1 1/4		1 1/4			
1 1/2	2,289.76	1 1/2	1,931.04	1 1/2	1,572.77	1 1/2	1,212.81	1 1/2	859.45	1 1/2	506.93	1 1/2	146.97	1 1/2		1 1/2			
3/4	2,282.26	3/4	1,923.60	3/4	1,565.27	3/4	1,205.43	3/4	852.08	3/4	499.50	3/4	139.45	3/4		3/4			
6	2,274.76	6	1,916.17	6	1,557.77	6	1,198.05	6	844.72	6	492.08	6	131.94	6		6			
1 1/4	2,267.26	1 1/4	1,908.73	1 1/4	1,550.27	1 1/4	1,190.67	1 1/4	837.35	1 1/4	484.65	1 1/4	124.43	1 1/4		1 1/4			
1 1/2	2,259.76	1 1/2	1,901.29	1 1/2	1,542.76	1 1/2	1,183.30	1 1/2	829.99	1 1/2	477.16	1 1/2	116.91	1 1/2		1 1/2			
3/4	2,252.26	3/4	1,893.86	3/4	1,535.26	3/4	1,175.94	3/4	822.63	3/4	469.66	3/4	109.40	3/4		3/4			
7	2,244.76	7	1,886.42	7	1,527.76	7	1,168.57	7	815.27	7	462.17	7	101.88	7		7			
1 1/4	2,237.25	1 1/4	1,878.99	1 1/4	1,520.26	1 1/4	1,161.21	1 1/4	807.91	1 1/4	454.67	1 1/4	94.37	1 1/4		1 1/4			
1 1/2	2,229.75	1 1/2	1,871.55	1 1/2	1,512.76	1 1/2	1,153.84	1 1/2	800.56	1 1/2	447.17	1 1/2	86.86	1 1/2		1 1/2			
3/4	2,222.25	3/4	1,864.11	3/4	1,505.26	3/4	1,146.48	3/4	793.21	3/4	439.67	3/4	79.34	3/4		3/4			
8	2,214.75	8	1,856.68	8	1,497.75	8	1,139.11	8	785.86	8	432.17	8	71.83	8		8			
1 1/4	2,207.25	1 1/4	1,849.24	1 1/4	1,490.25	1 1/4	1,131.74	1 1/4	778.52	1 1/4	424.66	1 1/4	64.31	1 1/4		1 1/4			
1 1/2	2,199.75	1 1/2	1,841.81	1 1/2	1,482.75	1 1/2	1,124.38	1 1/2	771.18	1 1/2	417.16	1 1/2	57.62	1 1/2		1 1/2			
3/4	2,192.25	3/4	1,834.37	3/4	1,475.25	3/4	1,117.01	3/4	763.85	3/4	409.66	3/4	50.93	3/4		3/4			
9	2,184.74	9	1,826.94	9	1,467.75	9	1,109.65	9	756.51	9	402.16	9	44.23	9		9			
1 1/4	2,177.24	1 1/4	1,819.50	1 1/4	1,460.25	1 1/4	1,102.28	1 1/4	749.18	1 1/4	394.65	1 1/4	37.54	1 1/4		1 1/4			
1 1/2	2,169.74	1 1/2	1,812.06	1 1/2	1,452.75	1 1/2	1,094.92	1 1/2	741.85	1 1/2	387.15	1 1/2	32.61	1 1/2		1 1/2			
3/4	2,162.24	3/4	1,804.63	3/4	1,445.24	3/4	1,087.57	3/4	734.52	3/4	379.65	3/4	27.68	3/4		3/4			
10	2,154.74	10	1,797.19	10	1,437.74	10	1,080.21	10	727.18	10	372.15	10	22.75	10		10			
1 1/4	2,147.24	1 1/4	1,789.76	1 1/4	1,430.24	1 1/4	1,072.85	1 1/4	719.85	1 1/4	364.64	1 1/4	17.82	1 1/4		1 1/4			
1 1/2	2,139.74	1 1/2	1,782.32	1 1/2	1,422.74	1 1/2	1,065.49	1 1/2	712.52	1 1/2	357.14	1 1/2		1 1/2		1 1/2			
3/4	2,132.23	3/4	1,774.88	3/4	1,415.24	3/4	1,058.13	3/4	705.18	3/4	349.64	3/4		3/4		3/4			
11	2,124.73	11	1,767.45	11	1,407.74	11	1,050.77	11	697.85	11	342.14	11		11		11			
1 1/4	2,117.23	1 1/4	1,760.01	1 1/4	1,400.23	1 1/4	1,043.41	1 1/4	690.52	1 1/4	334.63	1 1/4		1 1/4		1 1/4			
1 1/2	2,109.73	1 1/2	1,752.58	1 1/2	1,392.73	1 1/2	1,036.06	1 1/2	683.18	1 1/2	327.13	1 1/2		1 1/2		1 1/2			
3/4	2,102.23	3/4	1,745.14	3/4	1,385.23	3/4	1,028.70	3/4	675.85	3/4	319.63	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/28/2002 CL - SW
CALCULATOR: 02/01/2002 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2002

PRECISION MEASUREMENT
& ANALYSIS, INC.

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