



**\*KIRBY 28302\***



**\*Barge Strapping Tables\***





# BARGE "KIRBY 28302"

ULLAGE TRIM TABLE

FORMERLY "DXE 2903"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

$$\begin{aligned}
 \text{FWD. DRAFT} &= 2'-00" \\
 \text{AFT DRAFT} &= 4'-00" \\
 \text{DIFF.} &= 2'-00" \quad (\text{DOWN BY STERN})
 \end{aligned}$$

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 234'-06"

May 17, 2001

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

<http://www.pmacorp.net>



# BARGE "KIRBY 28302"

# 1 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-08 1/4"

FORMERLY "DXE 2903"

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

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	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	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	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE STOPS AT UNDERSIDE OF DECK AT GAUGE POINT.  
OR MANUAL GAUGES OBTAINED AT STANDPIPE.  
GAUGE POINT: (HERMETIC) LOCATED 11'-10" OFF CENTERLINE AND 45'-08" FORWARD OF AFT BULKHEAD.  
GAUGE POINT: (MANUAL) LOCATED 11'-10" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 28302"

## 1 PORT ULLAGE TABLE

FORMERLY "DXE 2903"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2,219.86	0	1,869.63	0	1,519.41	0	1,169.19	0	819.46	0	487.43	0	183.54	0	0	0	0	0	0
1/4	2,212.56	1/4	1,862.34	1/4	1,512.11	1/4	1,161.89	1/4	812.27	1/4	480.82	1/4	177.53	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,205.26	1/2	1,855.04	1/2	1,504.82	1/2	1,154.60	1/2	805.08	1/2	474.21	1/2	171.52	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,197.97	3/4	1,847.74	3/4	1,497.52	3/4	1,147.30	3/4	797.89	3/4	467.60	3/4	165.52	3/4	3/4	3/4	3/4	3/4	3/4
1	2,190.67	1	1,840.45	1	1,490.23	1	1,140.00	1	790.71	1	461.01	1	159.53	1	1	1	1	1	1
1/4	2,183.37	1/4	1,833.15	1/4	1,482.93	1/4	1,132.71	1/4	783.57	1/4	454.45	1/4	153.58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,176.08	1/2	1,825.86	1/2	1,475.63	1/2	1,125.41	1/2	776.42	1/2	447.89	1/2	147.63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,168.78	3/4	1,818.56	3/4	1,468.34	3/4	1,118.11	3/4	769.28	3/4	441.33	3/4	141.69	3/4	3/4	3/4	3/4	3/4	3/4
2	2,161.48	2	1,811.26	2	1,461.04	2	1,110.82	2	762.15	2	434.78	2	135.76	2	2	2	2	2	2
1/4	2,154.19	1/4	1,803.97	1/4	1,453.74	1/4	1,103.52	1/4	755.05	1/4	428.27	1/4	129.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,146.89	1/2	1,796.67	1/2	1,446.45	1/2	1,096.23	1/2	747.96	1/2	421.76	1/2	123.99	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,139.60	3/4	1,789.37	3/4	1,439.15	3/4	1,088.93	3/4	740.86	3/4	415.24	3/4	118.11	3/4	3/4	3/4	3/4	3/4	3/4
3	2,132.30	3	1,782.08	3	1,431.85	3	1,081.63	3	733.78	3	408.75	3	112.25	3	3	3	3	3	3
1/4	2,125.00	1/4	1,774.78	1/4	1,424.56	1/4	1,074.34	1/4	726.73	1/4	402.29	1/4	106.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,117.71	1/2	1,767.48	1/2	1,417.26	1/2	1,067.04	1/2	719.69	1/2	395.83	1/2	100.63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,110.41	3/4	1,760.19	3/4	1,409.97	3/4	1,059.74	3/4	712.64	3/4	389.36	3/4	94.81	3/4	3/4	3/4	3/4	3/4	3/4
4	2,103.11	4	1,752.89	4	1,402.67	4	1,052.45	4	705.61	4	382.92	4	89.03	4	4	4	4	4	4
1/4	2,095.82	1/4	1,745.60	1/4	1,395.37	1/4	1,045.15	1/4	698.61	1/4	376.51	1/4	83.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,088.52	1/2	1,738.30	1/2	1,388.08	1/2	1,037.85	1/2	691.62	1/2	370.10	1/2	77.57	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,081.23	3/4	1,731.00	3/4	1,380.78	3/4	1,030.56	3/4	684.62	3/4	363.69	3/4	71.84	3/4	3/4	3/4	3/4	3/4	3/4
5	2,073.93	5	1,723.71	5	1,373.48	5	1,023.26	5	677.64	5	357.29	5	66.19	5	5	5	5	5	5
1/4	2,066.63	1/4	1,716.41	1/4	1,366.19	1/4	1,015.97	1/4	670.70	1/4	350.93	1/4	60.69	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,059.34	1/2	1,709.11	1/2	1,358.89	1/2	1,008.67	1/2	663.75	1/2	344.57	1/2	55.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,052.04	3/4	1,701.82	3/4	1,351.60	3/4	1,001.37	3/4	656.81	3/4	338.21	3/4	49.69	3/4	3/4	3/4	3/4	3/4	3/4
6	2,044.74	6	1,694.52	6	1,344.30	6	994.08	6	649.88	6	331.87	6	44.48	6	6	6	6	6	6
1/4	2,037.45	1/4	1,687.23	1/4	1,337.00	1/4	986.78	1/4	642.99	1/4	325.56	1/4	39.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,030.15	1/2	1,679.93	1/2	1,329.71	1/2	979.48	1/2	636.10	1/2	319.25	1/2	35.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,022.86	3/4	1,672.63	3/4	1,322.41	3/4	972.19	3/4	629.20	3/4	312.94	3/4	30.28	3/4	3/4	3/4	3/4	3/4	3/4
7	2,015.56	7	1,665.34	7	1,315.11	7	964.89	7	622.33	7	306.65	7	26.02	7	7	7	7	7	7
1/4	2,008.26	1/4	1,658.04	1/4	1,307.82	1/4	957.60	1/4	615.48	1/4	300.39	1/4	22.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,000.97	1/2	1,650.74	1/2	1,300.52	1/2	950.30	1/2	608.64	1/2	294.13	1/2	19.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,993.67	3/4	1,643.45	3/4	1,293.23	3/4	943.00	3/4	601.80	3/4	287.87	3/4	15.59	3/4	3/4	3/4	3/4	3/4	3/4
8	1,986.37	8	1,636.15	8	1,285.93	8	935.71	8	594.97	8	281.63	8	12.58	8	8	8	8	8	8
1/4	1,979.08	1/4	1,628.86	1/4	1,278.63	1/4	928.41	1/4	588.18	1/4	275.42	1/4	10.35	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,971.78	1/2	1,621.56	1/2	1,271.34	1/2	921.12	1/2	581.38	1/2	269.21	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,964.48	3/4	1,614.26	3/4	1,264.04	3/4	913.83	3/4	574.59	3/4	263.00	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
9	1,957.19	9	1,606.97	9	1,256.74	9	906.54	9	567.81	9	256.81	9	0	9	9	9	9	9	9
1/4	1,949.89	1/4	1,599.67	1/4	1,249.45	1/4	899.26	1/4	561.06	1/4	250.64	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,942.60	1/2	1,592.37	1/2	1,242.15	1/2	891.97	1/2	554.31	1/2	244.48	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,935.30	3/4	1,585.08	3/4	1,234.85	3/4	884.69	3/4	547.57	3/4	238.32	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
10	1,928.00	10	1,577.78	10	1,227.56	10	877.42	10	540.83	10	232.18	10	0	10	10	10	10	10	10
1/4	1,920.71	1/4	1,570.48	1/4	1,220.26	1/4	870.15	1/4	534.13	1/4	226.07	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,913.41	1/2	1,563.19	1/2	1,212.97	1/2	862.89	1/2	527.43	1/2	219.96	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,906.11	3/4	1,555.89	3/4	1,205.67	3/4	855.63	3/4	520.73	3/4	213.85	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
11	1,898.82	11	1,548.60	11	1,198.37	11	848.38	11	514.04	11	207.76	11	0	11	11	11	11	11	11
1/4	1,891.52	1/4	1,541.30	1/4	1,191.08	1/4	841.15	1/4	507.38	1/4	201.70	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,884.23	1/2	1,534.00	1/2	1,183.78	1/2	833.91	1/2	500.73	1/2	195.64	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,876.93	3/4	1,526.71	3/4	1,176.48	3/4	826.68	3/4	494.07	3/4	189.58	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/01/1994 SI  
REPRINTED: 05/17/2001 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2001

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





# BARGE "KIRBY 28302"

## 1 STBD ULLAGE TABLE

FORMERLY "DXE 2903"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2,222.78	0	1,872.12	0	1,521.46	0	1,170.80	0	820.64	0	488.17	0	183.84	0	0	0	0	0	0
1/4	2,215.47	1/4	1,864.81	1/4	1,514.16	1/4	1,163.50	1/4	813.44	1/4	481.55	1/4	177.83	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,208.17	1/2	1,857.51	1/2	1,506.85	1/2	1,156.19	1/2	806.24	1/2	474.94	1/2	171.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,200.86	3/4	1,850.20	3/4	1,499.54	3/4	1,148.89	3/4	799.04	3/4	468.32	3/4	165.80	3/4	3/4	3/4	3/4	3/4	3/4
1	2,193.56	1	1,842.90	1	1,492.24	1	1,141.58	1	791.85	1	461.72	1	159.80	1	1	1	1	1	1
1/4	2,186.25	1/4	1,835.59	1/4	1,484.93	1/4	1,134.27	1/4	784.70	1/4	455.15	1/4	153.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,178.95	1/2	1,828.29	1/2	1,477.63	1/2	1,126.97	1/2	777.55	1/2	448.58	1/2	147.89	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,171.64	3/4	1,820.98	3/4	1,470.32	3/4	1,119.66	3/4	770.39	3/4	442.01	3/4	141.93	3/4	3/4	3/4	3/4	3/4	3/4
2	2,164.34	2	1,813.68	2	1,463.02	2	1,112.36	2	763.25	2	435.45	2	136.00	2	2	2	2	2	2
1/4	2,157.03	1/4	1,806.37	1/4	1,455.71	1/4	1,105.05	1/4	756.15	1/4	428.93	1/4	130.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,149.73	1/2	1,799.07	1/2	1,448.41	1/2	1,097.75	1/2	749.04	1/2	422.41	1/2	124.21	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,142.42	3/4	1,791.76	3/4	1,441.10	3/4	1,090.44	3/4	741.94	3/4	415.89	3/4	118.32	3/4	3/4	3/4	3/4	3/4	3/4
3	2,135.11	3	1,784.46	3	1,433.80	3	1,083.14	3	734.85	3	409.38	3	112.45	3	3	3	3	3	3
1/4	2,127.81	1/4	1,777.15	1/4	1,426.49	1/4	1,075.83	1/4	727.79	1/4	402.91	1/4	106.63	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,120.50	1/2	1,769.84	1/2	1,419.19	1/2	1,068.53	1/2	720.74	1/2	396.44	1/2	100.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,113.20	3/4	1,762.54	3/4	1,411.88	3/4	1,061.22	3/4	713.68	3/4	389.97	3/4	94.99	3/4	3/4	3/4	3/4	3/4	3/4
4	2,105.89	4	1,755.23	4	1,404.57	4	1,053.92	4	706.64	4	383.52	4	89.19	4	4	4	4	4	4
1/4	2,098.59	1/4	1,747.93	1/4	1,397.27	1/4	1,046.61	1/4	699.64	1/4	377.10	1/4	83.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,091.28	1/2	1,740.62	1/2	1,389.96	1/2	1,039.30	1/2	692.63	1/2	370.68	1/2	77.71	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,083.98	3/4	1,733.32	3/4	1,382.66	3/4	1,032.00	3/4	685.62	3/4	364.26	3/4	71.97	3/4	3/4	3/4	3/4	3/4	3/4
5	2,076.67	5	1,726.01	5	1,375.35	5	1,024.69	5	678.64	5	357.86	5	66.32	5	5	5	5	5	5
1/4	2,069.37	1/4	1,718.71	1/4	1,368.05	1/4	1,017.39	1/4	671.68	1/4	351.49	1/4	60.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,062.06	1/2	1,711.40	1/2	1,360.74	1/2	1,010.08	1/2	664.73	1/2	345.12	1/2	55.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,054.76	3/4	1,704.10	3/4	1,353.44	3/4	1,002.78	3/4	657.78	3/4	338.75	3/4	49.79	3/4	3/4	3/4	3/4	3/4	3/4
6	2,047.45	6	1,696.79	6	1,346.13	6	995.47	6	650.84	6	332.40	6	44.57	6	6	6	6	6	6
1/4	2,040.14	1/4	1,689.49	1/4	1,338.83	1/4	988.17	1/4	643.94	1/4	326.08	1/4	39.83	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,032.84	1/2	1,682.18	1/2	1,331.52	1/2	980.86	1/2	637.04	1/2	319.76	1/2	35.09	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,025.53	3/4	1,674.87	3/4	1,324.22	3/4	973.56	3/4	630.14	3/4	313.44	3/4	30.35	3/4	3/4	3/4	3/4	3/4	3/4
7	2,018.23	7	1,667.57	7	1,316.91	7	966.25	7	623.25	7	307.14	7	26.08	7	7	7	7	7	7
1/4	2,010.92	1/4	1,660.26	1/4	1,309.60	1/4	958.95	1/4	616.40	1/4	300.87	1/4	22.60	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,003.62	1/2	1,652.96	1/2	1,302.30	1/2	951.64	1/2	609.55	1/2	294.60	1/2	19.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,996.31	3/4	1,645.65	3/4	1,294.99	3/4	944.34	3/4	602.70	3/4	288.33	3/4	15.63	3/4	3/4	3/4	3/4	3/4	3/4
8	1,989.01	8	1,638.35	8	1,287.69	8	937.03	8	595.86	8	282.08	8	12.61	8	8	8	8	8	8
1/4	1,981.70	1/4	1,631.04	1/4	1,280.38	1/4	929.73	1/4	589.06	1/4	275.86	1/4	10.38	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,974.40	1/2	1,623.74	1/2	1,273.08	1/2	922.43	1/2	582.25	1/2	269.64	1/2	8	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,967.09	3/4	1,616.43	3/4	1,265.77	3/4	915.12	3/4	575.45	3/4	263.42	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4
9	1,959.79	9	1,609.13	9	1,258.47	9	907.83	9	568.66	9	257.22	9	5	9	9	9	9	9	9
1/4	1,952.48	1/4	1,601.82	1/4	1,251.16	1/4	900.53	1/4	561.91	1/4	251.05	1/4	4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,945.17	1/2	1,594.52	1/2	1,243.86	1/2	893.24	1/2	555.15	1/2	244.88	1/2	3	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,937.87	3/4	1,587.21	3/4	1,236.55	3/4	885.95	3/4	548.39	3/4	238.71	3/4	2	3/4	3/4	3/4	3/4	3/4	3/4
10	1,930.56	10	1,579.90	10	1,229.25	10	878.67	10	541.65	10	232.56	10	1	10	10	10	10	10	10
1/4	1,923.26	1/4	1,572.60	1/4	1,221.94	1/4	871.39	1/4	534.94	1/4	226.44	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,915.95	1/2	1,565.29	1/2	1,214.63	1/2	864.12	1/2	528.23	1/2	220.32	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,908.65	3/4	1,557.99	3/4	1,207.33	3/4	856.85	3/4	521.52	3/4	214.20	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
11	1,901.34	11	1,550.68	11	1,200.02	11	849.59	11	514.82	11	208.10	11	1	11	11	11	11	11	11
1/4	1,894.04	1/4	1,543.38	1/4	1,192.72	1/4	842.31	1/4	508.15	1/4	202.03	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,886.73	1/2	1,536.07	1/2	1,185.41	1/2	835.11	1/2	501.49	1/2	195.96	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,879.43	3/4	1,528.77	3/4	1,178.11	3/4	827.87	3/4	494.82	3/4	189.89	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/01/1981 S1  
 REPRINTED: 05/17/2001 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2001

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





# BARGE "KIRBY 28302"

## 2 PORT ULLAGE TABLE

FORMERLY "DXE 2803"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2,463.55	0	2,096.78	0	1,730.01	0	1,363.24	0	996.48	0	629.81	0	263.09	0		0		0	
1/4	2,455.91	1/4	2,089.14	1/4	1,722.37	1/4	1,355.60	1/4	988.84	1/4	622.17	1/4	255.45	1/4		1/4		1/4	
1/2	2,448.27	1/2	2,081.50	1/2	1,714.73	1/2	1,347.96	1/2	981.20	1/2	614.53	1/2	247.81	1/2		1/2		1/2	
3/4	2,440.63	3/4	2,073.86	3/4	1,707.09	3/4	1,340.32	3/4	973.56	3/4	606.89	3/4	240.17	3/4		3/4		3/4	
1	2,432.98	1	2,066.22	1	1,699.45	1	1,332.68	1	965.92	1	599.25	1	232.54	1		1		1	
1 1/4	2,425.34	1 1/4	2,058.58	1 1/4	1,691.81	1 1/4	1,325.04	1 1/4	958.28	1 1/4	591.61	1 1/4	224.90	1 1/4		1 1/4		1 1/4	
1 1/2	2,417.70	1 1/2	2,050.93	1 1/2	1,684.17	1 1/2	1,317.40	1 1/2	950.64	1 1/2	583.97	1 1/2	217.27	1 1/2		1 1/2		1 1/2	
3/4	2,410.06	3/4	2,043.29	3/4	1,676.53	3/4	1,309.76	3/4	943.01	3/4	576.33	3/4	209.63	3/4		3/4		3/4	
2	2,402.42	2	2,035.65	2	1,668.88	2	1,302.12	2	935.37	2	568.69	2	202.00	2		2		2	
1 1/4	2,394.78	1 1/4	2,028.01	1 1/4	1,661.24	1 1/4	1,294.48	1 1/4	927.73	1 1/4	561.05	1 1/4	194.38	1 1/4		1 1/4		1 1/4	
1 1/2	2,387.14	1 1/2	2,020.37	1 1/2	1,653.60	1 1/2	1,286.83	1 1/2	920.09	1 1/2	553.41	1 1/2	186.76	1 1/2		1 1/2		1 1/2	
3/4	2,379.50	3/4	2,012.73	3/4	1,645.96	3/4	1,279.19	3/4	912.45	3/4	545.77	3/4	179.14	3/4		3/4		3/4	
3	2,371.86	3	2,005.09	3	1,638.32	3	1,271.55	3	904.81	3	538.14	3	171.52	3		3		3	
1 1/4	2,364.22	1 1/4	1,997.45	1 1/4	1,630.68	1 1/4	1,263.91	1 1/4	897.17	1 1/4	530.50	1 1/4	163.91	1 1/4		1 1/4		1 1/4	
1 1/2	2,356.57	1 1/2	1,989.81	1 1/2	1,623.04	1 1/2	1,256.27	1 1/2	889.53	1 1/2	522.86	1 1/2	156.31	1 1/2		1 1/2		1 1/2	
3/4	2,348.93	3/4	1,982.17	3/4	1,615.40	3/4	1,248.63	3/4	881.90	3/4	515.22	3/4	148.70	3/4		3/4		3/4	
4	2,341.29	4	1,974.52	4	1,607.76	4	1,240.99	4	874.26	4	507.58	4	141.11	4		4		4	
1 1/4	2,333.65	1 1/4	1,966.88	1 1/4	1,600.12	1 1/4	1,233.35	1 1/4	866.62	1 1/4	499.94	1 1/4	133.53	1 1/4		1 1/4		1 1/4	
1 1/2	2,326.01	1 1/2	1,959.24	1 1/2	1,592.47	1 1/2	1,225.71	1 1/2	858.98	1 1/2	492.30	1 1/2	125.95	1 1/2		1 1/2		1 1/2	
3/4	2,318.37	3/4	1,951.60	3/4	1,584.83	3/4	1,218.07	3/4	851.34	3/4	484.66	3/4	118.38	3/4		3/4		3/4	
5	2,310.73	5	1,943.96	5	1,577.19	5	1,210.42	5	843.70	5	477.02	5	110.87	5		5		5	
1 1/4	2,303.09	1 1/4	1,936.32	1 1/4	1,569.55	1 1/4	1,202.78	1 1/4	836.06	1 1/4	469.38	1 1/4	103.47	1 1/4		1 1/4		1 1/4	
1 1/2	2,295.45	1 1/2	1,928.68	1 1/2	1,561.91	1 1/2	1,195.14	1 1/2	828.43	1 1/2	461.74	1 1/2	96.08	1 1/2		1 1/2		1 1/2	
3/4	2,287.81	3/4	1,921.04	3/4	1,554.27	3/4	1,187.50	3/4	820.79	3/4	454.10	3/4	88.69	3/4		3/4		3/4	
6	2,280.16	6	1,913.40	6	1,546.63	6	1,179.86	6	813.15	6	446.46	6	81.58	6		6		6	
1 1/4	2,272.52	1 1/4	1,905.76	1 1/4	1,538.99	1 1/4	1,172.22	1 1/4	805.51	1 1/4	438.82	1 1/4	74.94	1 1/4		1 1/4		1 1/4	
1 1/2	2,264.88	1 1/2	1,898.11	1 1/2	1,531.35	1 1/2	1,164.58	1 1/2	797.87	1 1/2	431.18	1 1/2	68.30	1 1/2		1 1/2		1 1/2	
3/4	2,257.24	3/4	1,890.47	3/4	1,523.71	3/4	1,156.94	3/4	790.23	3/4	423.54	3/4	61.66	3/4		3/4		3/4	
7	2,249.60	7	1,882.83	7	1,516.06	7	1,149.30	7	782.59	7	415.90	7	55.49	7		7		7	
1 1/4	2,241.96	1 1/4	1,875.19	1 1/4	1,508.42	1 1/4	1,141.66	1 1/4	774.96	1 1/4	408.26	1 1/4	50.12	1 1/4		1 1/4		1 1/4	
1 1/2	2,234.32	1 1/2	1,867.55	1 1/2	1,500.78	1 1/2	1,134.01	1 1/2	767.32	1 1/2	400.62	1 1/2	44.75	1 1/2		1 1/2		1 1/2	
3/4	2,226.68	3/4	1,859.91	3/4	1,493.14	3/4	1,126.37	3/4	759.68	3/4	392.98	3/4	39.38	3/4		3/4		3/4	
8	2,219.04	8	1,852.27	8	1,485.50	8	1,118.73	8	752.04	8	385.35	8	34.48	8		8		8	
1 1/4	2,211.40	1 1/4	1,844.63	1 1/4	1,477.86	1 1/4	1,111.09	1 1/4	744.40	1 1/4	377.70	1 1/4	30.38	1 1/4		1 1/4		1 1/4	
1 1/2	2,203.75	1 1/2	1,836.99	1 1/2	1,470.22	1 1/2	1,103.45	1 1/2	736.76	1 1/2	370.06	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,196.11	3/4	1,829.35	3/4	1,462.58	3/4	1,095.81	3/4	729.12	3/4	362.42	3/4		3/4		3/4		3/4	
9	2,188.47	9	1,821.70	9	1,454.94	9	1,088.17	9	721.49	9	354.78	9		9		9		9	
1 1/4	2,180.83	1 1/4	1,814.06	1 1/4	1,447.30	1 1/4	1,080.53	1 1/4	713.85	1 1/4	347.14	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,173.19	1 1/2	1,806.42	1 1/2	1,439.65	1 1/2	1,072.89	1 1/2	706.21	1 1/2	339.50	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,165.55	3/4	1,798.78	3/4	1,432.01	3/4	1,065.25	3/4	698.57	3/4	331.86	3/4		3/4		3/4		3/4	
10	2,157.91	10	1,791.14	10	1,424.37	10	1,057.60	10	690.93	10	324.22	10		10		10		10	
1 1/4	2,150.27	1 1/4	1,783.50	1 1/4	1,416.73	1 1/4	1,049.96	1 1/4	683.29	1 1/4	316.58	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,142.63	1 1/2	1,775.86	1 1/2	1,409.09	1 1/2	1,042.32	1 1/2	675.65	1 1/2	308.94	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,134.99	3/4	1,768.22	3/4	1,401.45	3/4	1,034.68	3/4	668.01	3/4	301.29	3/4		3/4		3/4		3/4	
11	2,127.34	11	1,760.58	11	1,393.81	11	1,027.04	11	660.37	11	293.65	11		11		11		11	
1 1/4	2,119.70	1 1/4	1,752.94	1 1/4	1,386.17	1 1/4	1,019.40	1 1/4	652.73	1 1/4	286.01	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,112.06	1 1/2	1,745.29	1 1/2	1,378.53	1 1/2	1,011.76	1 1/2	645.09	1 1/2	278.37	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,104.42	3/4	1,737.65	3/4	1,370.89	3/4	1,004.12	3/4	637.45	3/4	270.73	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/01/1991 SI  
REPRINTED: 05/17/2001 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2001

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





# BARGE "KIRBY 28302"

# 2 STBD ULLAGE TABLE

FORMERLY "DXE 2903"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 16'-09"																						
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.			
0	0	0	0	0	4,690.01	4,323.02	0	3,956.02	0	3,589.02	0	3,222.02	0	2,855.02										
1/4	1/4	1/4	1/4	1/4	4,682.37	4,315.37	1/4	3,948.37	1/4	3,581.37	1/4	3,214.37	1/4	2,847.38										
1/2	1/2	1/2	1/2	1/2	4,674.72	4,307.72	1/2	3,940.73	1/2	3,573.73	1/2	3,206.73	1/2	2,839.73										
3/4	3/4	3/4	3/4	3/4	4,667.08	4,300.08	3/4	3,933.08	3/4	3,566.08	3/4	3,199.08	3/4	2,832.08										
1	1	1	1	1	4,659.43	4,292.43	1	3,925.43	1	3,558.44	1	3,191.44	1	2,824.44										
1/4	1/4	1/4	1/4	1/4	4,651.78	4,284.79	1/4	3,917.79	1/4	3,550.79	1/4	3,183.79	1/4	2,816.79										
1/2	1/2	1/2	1/2	1/2	4,644.14	4,277.14	1/2	3,910.14	1/2	3,543.14	1/2	3,176.14	1/2	2,809.15										
3/4	3/4	3/4	3/4	3/4	4,636.49	4,269.49	3/4	3,902.50	3/4	3,535.50	3/4	3,168.50	3/4	2,801.50										
2	2	2	2	2	4,628.85	4,261.85	2	3,894.85	2	3,527.85	2	3,160.85	2	2,793.86										
1/4	1/4	1/4	1/4	1/4	4,621.21	4,254.21	1/4	3,887.21	1/4	3,520.21	1/4	3,153.21	1/4	2,786.21										
1/2	1/2	1/2	1/2	1/2	4,613.56	4,246.56	1/2	3,879.56	1/2	3,512.56	1/2	3,145.56	1/2	2,778.56										
3/4	3/4	3/4	3/4	3/4	4,605.91	4,238.91	3/4	3,871.91	3/4	3,504.91	3/4	3,137.92	3/4	2,770.92										
3	3	3	3	3	4,598.26	4,231.27	3	3,864.27	3	3,497.27	3	3,130.27	3	2,763.27										
1/4	1/4	1/4	1/4	1/4	4,590.62	4,223.62	1/4	3,856.62	1/4	3,489.62	1/4	3,122.62	1/4	2,755.63										
1/2	1/2	1/2	1/2	1/2	4,582.97	4,215.97	1/2	3,848.98	1/2	3,481.98	1/2	3,114.98	1/2	2,747.98										
3/4	3/4	3/4	3/4	3/4	4,575.33	4,208.33	3/4	3,841.33	3/4	3,474.33	3/4	3,107.33	3/4	2,740.33										
4	4	4	4	4	4,567.68	4,200.68	4	3,833.68	4	3,466.69	4	3,099.69	4	2,732.69										
1/4	1/4	1/4	1/4	1/4	4,560.03	4,193.04	1/4	3,826.04	1/4	3,459.04	1/4	3,092.04	1/4	2,725.04										
1/2	1/2	1/2	1/2	1/2	4,552.39	4,185.39	1/2	3,818.39	1/2	3,451.39	1/2	3,084.40	1/2	2,717.40										
3/4	3/4	3/4	3/4	3/4	4,544.74	4,177.74	3/4	3,810.75	3/4	3,443.75	3/4	3,076.75	3/4	2,709.75										
5	5	5	5	5	4,537.10	4,170.10	5	3,803.10	5	3,436.10	5	3,069.10	5	2,702.11										
1/4	1/4	1/4	1/4	1/4	4,529.45	4,162.45	1/4	3,795.45	1/4	3,428.46	1/4	3,061.46	1/4	2,694.46										
1/2	1/2	1/2	1/2	1/2	4,521.81	4,154.81	1/2	3,787.81	1/2	3,420.81	1/2	3,053.81	1/2	2,686.81										
3/4	3/4	3/4	3/4	3/4	4,514.16	4,147.16	3/4	3,780.16	3/4	3,413.17	3/4	3,046.17	3/4	2,679.17										
6	6	6	6	6	4,506.51	4,139.52	6	3,772.52	6	3,405.52	6	3,038.52	6	2,671.52										
1/4	1/4	1/4	1/4	1/4	4,498.87	4,131.87	1/4	3,764.87	1/4	3,397.87	1/4	3,030.88	1/4	2,663.88										
1/2	1/2	1/2	1/2	1/2	4,491.22	4,124.22	1/2	3,757.23	1/2	3,390.23	1/2	3,023.23	1/2	2,656.23										
3/4	3/4	3/4	3/4	3/4	4,483.58	4,116.58	3/4	3,749.58	3/4	3,382.58	3/4	3,015.58	3/4	2,648.59										
7	7	7	7	7	4,475.93	4,108.93	7	3,741.93	7	3,374.94	7	3,007.94	7	2,640.94										
1/4	1/4	1/4	1/4	1/4	4,468.29	4,101.29	1/4	3,734.29	1/4	3,367.29	1/4	3,000.29	1/4	2,633.29										
1/2	1/2	1/2	1/2	1/2	4,460.64	4,093.64	1/2	3,726.64	1/2	3,359.64	1/2	2,992.65	1/2	2,625.65										
3/4	3/4	3/4	3/4	3/4	4,452.99	4,086.00	3/4	3,719.00	3/4	3,352.00	3/4	2,985.00	3/4	2,618.00										
8	8	8	8	8	4,445.35	4,078.35	8	3,711.35	8	3,344.35	8	2,977.35	8	2,610.36										
1/4	1/4	1/4	1/4	1/4	4,437.70	4,070.70	1/4	3,703.71	1/4	3,336.71	1/4	2,969.71	1/4	2,602.71										
1/2	1/2	1/2	1/2	1/2	4,430.06	4,063.06	1/2	3,696.06	1/2	3,329.06	1/2	2,962.06	1/2	2,595.06										
3/4	3/4	3/4	3/4	3/4	4,422.41	4,055.41	3/4	3,688.41	3/4	3,321.42	3/4	2,954.42	3/4	2,587.42										
9	9	9	9	9	4,414.76	4,047.77	9	3,680.77	9	3,313.77	9	2,946.77	9	2,579.77										
1/4	1/4	1/4	1/4	1/4	4,407.12	4,040.12	1/4	3,673.12	1/4	3,306.12	1/4	2,939.13	1/4	2,572.13										
1/2	1/2	1/2	1/2	1/2	4,399.47	4,032.47	1/2	3,665.48	1/2	3,298.48	1/2	2,931.48	1/2	2,564.48										
3/4	3/4	3/4	3/4	3/4	4,391.83	4,024.83	3/4	3,657.83	3/4	3,290.83	3/4	2,923.83	3/4	2,556.84										
10	10	10	10	10	4,384.18	4,017.18	10	3,650.18	10	3,283.19	10	2,916.19	10	2,549.19										
1/4	1/4	1/4	1/4	1/4	4,376.54	4,009.54	1/4	3,642.54	1/4	3,275.54	1/4	2,908.54	1/4	2,541.54										
1/2	1/2	1/2	1/2	1/2	4,368.89	4,001.89	1/2	3,634.89	1/2	3,267.89	1/2	2,900.90	1/2	2,533.90										
3/4	3/4	3/4	3/4	3/4	4,361.24	3,994.25	3/4	3,626.25	3/4	3,260.25	3/4	2,893.25	3/4	2,526.25										
11	11	11	11	11	4,353.60	3,986.60	11	3,619.60	11	3,252.60	11	2,885.60	11	2,518.61										
1/4	1/4	1/4	1/4	1/4	4,345.95	3,978.95	1/4	3,611.96	1/4	3,244.96	1/4	2,877.96	1/4	2,510.96										
1/2	1/2	1/2	1/2	1/2	4,338.31	3,971.31	1/2	3,604.31	1/2	3,237.31	1/2	2,870.31	1/2	2,503.31										
3/4	3/4	3/4	3/4	3/4	4,330.66	3,963.66	3/4	3,596.66	3/4	3,229.67	3/4	2,862.67	3/4	2,495.67										

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE STOPS AT UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE  
 OR MANUAL GAUGES OBTAINED AT STANDPIPE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-10" OFF CENTERLINE AND 46'-07" FORWARD OF AFT BULKHEAD.  
 GAUGE POINT: (MANUAL) LOCATED 11'-10" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 28302"

## 2 STBD ULLAGE TABLE

FORMERLY "DXE 2903"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2,488.02	0	2,121.02	0	1,754.03	0	1,387.03	0	1,020.03	0	653.14	0	286.19	0	0	0	0	0	0
1/4	2,480.38	1/4	2,113.38	1/4	1,746.38	1/4	1,379.38	1/4	1,012.38	1/4	645.49	1/4	278.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,472.73	1/2	2,105.73	1/2	1,738.73	1/2	1,371.74	1/2	1,004.74	1/2	637.85	1/2	270.90	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,465.09	3/4	2,098.09	3/4	1,731.09	3/4	1,364.09	3/4	997.09	3/4	630.20	3/4	263.25	3/4	3/4	3/4	3/4	3/4	3/4
1	2,457.44	1	2,090.44	1	1,723.44	1	1,356.44	1	989.45	1	622.56	1	255.61	1	1	1	1	1	1
1/4	2,449.79	1/4	2,082.80	1/4	1,715.80	1/4	1,348.80	1/4	981.80	1/4	614.91	1/4	247.97	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,442.15	1/2	2,075.15	1/2	1,708.15	1/2	1,341.15	1/2	974.16	1/2	607.27	1/2	240.32	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,434.50	3/4	2,067.50	3/4	1,700.51	3/4	1,333.51	3/4	966.51	3/4	599.62	3/4	232.68	3/4	3/4	3/4	3/4	3/4	3/4
2	2,426.86	2	2,059.86	2	1,692.86	2	1,325.86	2	958.87	2	591.98	2	225.04	2	2	2	2	2	2
1/4	2,419.21	1/4	2,052.21	1/4	1,685.21	1/4	1,318.22	1/4	951.23	1/4	584.34	1/4	217.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,411.57	1/2	2,044.57	1/2	1,677.57	1/2	1,310.57	1/2	943.58	1/2	576.69	1/2	209.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,403.92	3/4	2,036.92	3/4	1,669.92	3/4	1,302.92	3/4	935.94	3/4	569.05	3/4	202.13	3/4	3/4	3/4	3/4	3/4	3/4
3	2,396.27	3	2,029.28	3	1,662.28	3	1,295.28	3	928.30	3	561.40	3	194.50	3	3	3	3	3	3
1/4	2,388.63	1/4	2,021.63	1/4	1,654.63	1/4	1,287.63	1/4	920.65	1/4	553.76	1/4	186.87	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,380.98	1/2	2,013.98	1/2	1,646.99	1/2	1,279.99	1/2	913.01	1/2	546.11	1/2	179.25	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,373.34	3/4	2,006.34	3/4	1,639.34	3/4	1,272.34	3/4	905.37	3/4	538.47	3/4	171.62	3/4	3/4	3/4	3/4	3/4	3/4
4	2,365.69	4	1,998.69	4	1,631.69	4	1,264.70	4	897.73	4	530.82	4	164.01	4	4	4	4	4	4
1/4	2,358.04	1/4	1,991.05	1/4	1,624.05	1/4	1,257.05	1/4	890.08	1/4	523.18	1/4	156.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,350.40	1/2	1,983.40	1/2	1,616.40	1/2	1,249.40	1/2	882.44	1/2	515.54	1/2	148.79	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,342.75	3/4	1,975.75	3/4	1,608.76	3/4	1,241.76	3/4	874.80	3/4	507.89	3/4	141.19	3/4	3/4	3/4	3/4	3/4	3/4
5	2,335.11	5	1,968.11	5	1,601.11	5	1,234.11	5	867.15	5	500.25	5	133.61	5	5	5	5	5	5
1/4	2,327.46	1/4	1,960.46	1/4	1,593.46	1/4	1,226.47	1/4	859.51	1/4	492.60	1/4	126.03	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,319.82	1/2	1,952.82	1/2	1,585.82	1/2	1,218.82	1/2	851.87	1/2	484.96	1/2	118.45	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,312.17	3/4	1,945.17	3/4	1,578.17	3/4	1,211.17	3/4	844.22	3/4	477.31	3/4	110.93	3/4	3/4	3/4	3/4	3/4	3/4
6	2,304.52	6	1,937.53	6	1,570.53	6	1,203.53	6	836.58	6	469.67	6	103.54	6	6	6	6	6	6
1/4	2,296.88	1/4	1,929.88	1/4	1,562.88	1/4	1,195.88	1/4	828.94	1/4	462.03	1/4	96.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,289.23	1/2	1,922.23	1/2	1,555.24	1/2	1,188.24	1/2	821.29	1/2	454.38	1/2	88.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,281.59	3/4	1,914.59	3/4	1,547.59	3/4	1,180.59	3/4	813.65	3/4	446.74	3/4	81.63	3/4	3/4	3/4	3/4	3/4	3/4
7	2,273.94	7	1,906.94	7	1,539.94	7	1,172.95	7	806.01	7	439.09	7	74.98	7	7	7	7	7	7
1/4	2,266.30	1/4	1,899.30	1/4	1,532.30	1/4	1,165.30	1/4	798.36	1/4	431.45	1/4	68.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,258.65	1/2	1,891.65	1/2	1,524.65	1/2	1,157.65	1/2	790.72	1/2	423.80	1/2	61.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,251.00	3/4	1,884.01	3/4	1,517.01	3/4	1,150.01	3/4	783.08	3/4	416.16	3/4	55.52	3/4	3/4	3/4	3/4	3/4	3/4
8	2,243.36	8	1,876.36	8	1,509.36	8	1,142.36	8	775.43	8	408.52	8	50.15	8	8	8	8	8	8
1/4	2,235.71	1/4	1,868.71	1/4	1,501.72	1/4	1,134.72	1/4	767.79	1/4	400.87	1/4	44.77	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,228.07	1/2	1,861.07	1/2	1,494.07	1/2	1,127.07	1/2	760.15	1/2	393.23	1/2	39.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,220.42	3/4	1,853.42	3/4	1,486.42	3/4	1,119.43	3/4	752.50	3/4	385.58	3/4	34.50	3/4	3/4	3/4	3/4	3/4	3/4
9	2,212.77	9	1,845.78	9	1,478.78	9	1,111.78	9	744.86	9	377.94	9	30.40	9	9	9	9	9	9
1/4	2,205.13	1/4	1,838.13	1/4	1,471.13	1/4	1,104.13	1/4	737.22	1/4	370.29	1/4	25.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,197.48	1/2	1,830.48	1/2	1,463.49	1/2	1,096.49	1/2	729.57	1/2	362.64	1/2	20.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,189.84	3/4	1,822.84	3/4	1,455.84	3/4	1,088.84	3/4	721.93	3/4	355.00	3/4	15.70	3/4	3/4	3/4	3/4	3/4	3/4
10	2,182.19	10	1,815.19	10	1,448.19	10	1,081.20	10	714.29	10	347.35	10	10.80	10	10	10	10	10	10
1/4	2,174.55	1/4	1,807.55	1/4	1,440.55	1/4	1,073.55	1/4	706.65	1/4	339.71	1/4	6.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,166.90	1/2	1,799.90	1/2	1,432.90	1/2	1,065.90	1/2	699.00	1/2	332.06	1/2	1.10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,159.25	3/4	1,792.26	3/4	1,425.26	3/4	1,058.26	3/4	691.36	3/4	324.42	3/4	0.20	3/4	3/4	3/4	3/4	3/4	3/4
11	2,151.61	11	1,784.61	11	1,417.61	11	1,050.61	11	683.71	11	316.77	11	0.30	11	11	11	11	11	11
1/4	2,143.96	1/4	1,776.96	1/4	1,409.97	1/4	1,042.97	1/4	676.07	1/4	309.13	1/4	0.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,136.32	1/2	1,769.32	1/2	1,402.32	1/2	1,035.32	1/2	668.43	1/2	301.48	1/2	0.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,128.67	3/4	1,761.67	3/4	1,394.67	3/4	1,027.68	3/4	660.78	3/4	293.83	3/4	0.60	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/01/1991 SI  
 REPRINTED: 05/17/2001 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2001

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





# BARGE "KIRBY 28302"

## 3 PORT ULLAGE TABLE

FORMERLY "DXE 2903"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,464.69	0	2,099.20	0	1,733.72	0	1,368.27	0	1,004.24	0	638.93	0	273.54	0		0		0	
1/4	2,457.07	1/4	2,091.58	1/4	1,726.11	1/4	1,360.67	1/4	996.64	1/4	631.32	1/4	265.93	1/4		1/4		1/4	
1/2	2,449.46	1/2	2,083.97	1/2	1,718.49	1/2	1,353.08	1/2	989.04	1/2	623.71	1/2	258.31	1/2		1/2		1/2	
3/4	2,441.84	3/4	2,076.36	3/4	1,710.88	3/4	1,345.49	3/4	981.43	3/4	616.09	3/4	250.70	3/4		3/4		3/4	
1	2,434.23	1	2,068.74	1	1,703.26	1	1,337.91	1	973.81	1	608.48	1	243.09	1		1		1	
1/4	2,426.61	1/4	2,061.13	1/4	1,695.65	1/4	1,330.33	1/4	966.20	1/4	600.87	1/4	235.48	1/4		1/4		1/4	
1/2	2,419.00	1/2	2,053.51	1/2	1,688.04	1/2	1,322.74	1/2	958.59	1/2	593.26	1/2	227.87	1/2		1/2		1/2	
3/4	2,411.38	3/4	2,045.90	3/4	1,680.42	3/4	1,315.16	3/4	950.98	3/4	585.65	3/4	220.27	3/4		3/4		3/4	
2	2,403.77	2	2,038.29	2	1,672.81	2	1,307.58	2	943.37	2	578.03	2	212.66	2		2		2	
1/4	2,396.16	1/4	2,030.67	1/4	1,665.19	1/4	1,299.99	1/4	935.76	1/4	570.42	1/4	205.06	1/4		1/4		1/4	
1/2	2,388.54	1/2	2,023.06	1/2	1,657.58	1/2	1,292.41	1/2	928.15	1/2	562.81	1/2	197.46	1/2		1/2		1/2	
3/4	2,380.93	3/4	2,015.44	3/4	1,649.97	3/4	1,284.83	3/4	920.54	3/4	555.20	3/4	189.86	3/4		3/4		3/4	
3	2,373.31	3	2,007.83	3	1,642.35	3	1,277.24	3	912.93	3	547.59	3	182.27	3		3		3	
1/4	2,365.70	1/4	2,000.21	1/4	1,634.74	1/4	1,269.66	1/4	905.32	1/4	539.97	1/4	174.67	1/4		1/4		1/4	
1/2	2,358.08	1/2	1,992.60	1/2	1,627.12	1/2	1,262.08	1/2	897.71	1/2	532.36	1/2	167.09	1/2		1/2		1/2	
3/4	2,350.47	3/4	1,984.99	3/4	1,619.51	3/4	1,254.49	3/4	890.10	3/4	524.75	3/4	159.51	3/4		3/4		3/4	
4	2,342.85	4	1,977.37	4	1,611.90	4	1,246.91	4	882.48	4	517.14	4	151.93	4		4		4	
1/4	2,335.24	1/4	1,969.76	1/4	1,604.28	1/4	1,239.33	1/4	874.87	1/4	509.53	1/4	144.36	1/4		1/4		1/4	
1/2	2,327.62	1/2	1,962.14	1/2	1,596.67	1/2	1,231.74	1/2	867.26	1/2	501.91	1/2	136.80	1/2		1/2		1/2	
3/4	2,320.01	3/4	1,954.53	3/4	1,589.05	3/4	1,224.16	3/4	859.65	3/4	494.30	3/4	129.25	3/4		3/4		3/4	
5	2,312.40	5	1,946.92	5	1,581.44	5	1,216.58	5	852.04	5	486.69	5	121.70	5		5		5	
1/4	2,304.78	1/4	1,939.30	1/4	1,573.83	1/4	1,208.99	1/4	844.43	1/4	479.08	1/4	114.19	1/4		1/4		1/4	
1/2	2,297.17	1/2	1,931.69	1/2	1,566.21	1/2	1,201.41	1/2	836.82	1/2	471.47	1/2	106.76	1/2		1/2		1/2	
3/4	2,289.55	3/4	1,924.07	3/4	1,558.60	3/4	1,193.83	3/4	829.21	3/4	463.86	3/4	99.40	3/4		3/4		3/4	
6	2,281.94	6	1,916.46	6	1,550.98	6	1,186.24	6	821.60	6	456.24	6	92.03	6		6		6	
1/4	2,274.32	1/4	1,908.85	1/4	1,543.37	1/4	1,178.66	1/4	813.99	1/4	448.63	1/4	84.81	1/4		1/4		1/4	
1/2	2,266.71	1/2	1,901.23	1/2	1,535.75	1/2	1,171.08	1/2	806.38	1/2	441.02	1/2	77.96	1/2		1/2		1/2	
3/4	2,259.09	3/4	1,893.62	3/4	1,528.14	3/4	1,163.49	3/4	798.77	3/4	433.41	3/4	71.34	3/4		3/4		3/4	
7	2,251.48	7	1,886.00	7	1,520.53	7	1,155.91	7	791.15	7	425.80	7	64.73	7		7		7	
1/4	2,243.87	1/4	1,878.39	1/4	1,512.91	1/4	1,148.33	1/4	783.54	1/4	418.18	1/4	58.35	1/4		1/4		1/4	
1/2	2,236.25	1/2	1,870.78	1/2	1,505.30	1/2	1,140.75	1/2	775.93	1/2	410.57	1/2	52.60	1/2		1/2		1/2	
3/4	2,228.64	3/4	1,863.16	3/4	1,497.68	3/4	1,133.16	3/4	768.32	3/4	402.96	3/4	47.26	3/4		3/4		3/4	
8	2,221.02	8	1,855.55	8	1,490.07	8	1,125.58	8	760.71	8	395.35	8	41.91	8		8		8	
1/4	2,213.41	1/4	1,847.93	1/4	1,482.46	1/4	1,118.00	1/4	753.10	1/4	387.74	1/4	36.79	1/4		1/4		1/4	
1/2	2,205.80	1/2	1,840.32	1/2	1,474.84	1/2	1,110.42	1/2	745.49	1/2	380.12	1/2	32.31	1/2		1/2		1/2	
3/4	2,198.18	3/4	1,832.70	3/4	1,467.23	3/4	1,102.83	3/4	737.88	3/4	372.51	3/4	30.27	3/4		3/4		3/4	
9	2,190.57	9	1,825.09	9	1,459.61	9	1,095.25	9	730.27	9	364.90	9		9		9		9	
1/4	2,182.95	1/4	1,817.48	1/4	1,452.00	1/4	1,087.67	1/4	722.66	1/4	357.28	1/4		1/4		1/4		1/4	
1/2	2,175.34	1/2	1,809.86	1/2	1,444.39	1/2	1,080.09	1/2	715.05	1/2	349.67	1/2		1/2		1/2		1/2	
3/4	2,167.72	3/4	1,802.25	3/4	1,436.77	3/4	1,072.51	3/4	707.44	3/4	342.06	3/4		3/4		3/4		3/4	
10	2,160.11	10	1,794.63	10	1,429.16	10	1,064.92	10	699.83	10	334.44	10		10		10		10	
1/4	2,152.50	1/4	1,787.02	1/4	1,421.54	1/4	1,057.34	1/4	692.21	1/4	326.83	1/4		1/4		1/4		1/4	
1/2	2,144.88	1/2	1,779.41	1/2	1,413.93	1/2	1,049.76	1/2	684.60	1/2	319.22	1/2		1/2		1/2		1/2	
3/4	2,137.27	3/4	1,771.79	3/4	1,406.31	3/4	1,042.18	3/4	676.99	3/4	311.60	3/4		3/4		3/4		3/4	
11	2,129.65	11	1,764.18	11	1,398.70	11	1,034.59	11	669.38	11	303.99	11		11		11		11	
1/4	2,122.04	1/4	1,756.56	1/4	1,391.09	1/4	1,027.01	1/4	661.77	1/4	296.38	1/4		1/4		1/4		1/4	
1/2	2,114.43	1/2	1,748.95	1/2	1,383.48	1/2	1,019.42	1/2	654.16	1/2	288.76	1/2		1/2		1/2		1/2	
3/4	2,106.81	3/4	1,741.34	3/4	1,375.87	3/4	1,011.83	3/4	646.54	3/4	281.15	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 0301/1991 SI  
 REPRINTED: 05/17/2001 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2001

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



# BARGE "KIRBY 28302"

# 3 STBD

# ULLAGE TABLE

FORMERLY "DXE 2903"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 16'-09 1/8"																			
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	IN	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	
0	0	0	0	0	4,464.53	0	4,166.31	0	3,868.08	0	3,565.25	0	3,262.93	0	2,960.61	0	2,658.29	0	2,355.97	0	2,053.65
1/4	1/4	1/4	1/4	1/4	4,458.32	1/4	4,160.09	1/4	3,861.87	1/4	3,559.04	1/4	3,256.21	1/4	2,953.38	1/4	2,650.55	1/4	2,347.72	1/4	2,044.89
1/2	1/2	1/2	1/2	1/2	4,452.10	1/2	4,153.88	1/2	3,854.66	1/2	3,551.83	1/2	3,249.00	1/2	2,946.17	1/2	2,643.34	1/2	2,340.51	1/2	2,037.68
3/4	3/4	3/4	3/4	3/4	4,445.89	3/4	4,147.67	3/4	3,848.44	3/4	3,545.61	3/4	3,242.78	3/4	2,939.95	3/4	2,637.12	3/4	2,334.29	3/4	2,031.46
1	1	1	1	1	4,439.68	1	4,141.45	1	3,842.23	1	3,539.40	1	3,236.57	1	2,933.74	1	2,630.91	1	2,328.08	1	2,025.25
1/4	1/4	1/4	1/4	1/4	4,433.46	1/4	4,135.24	1/4	3,835.79	1/4	3,533.00	1/4	3,230.17	1/4	2,927.34	1/4	2,624.51	1/4	2,321.68	1/4	2,018.85
1/2	1/2	1/2	1/2	1/2	4,427.24	1/2	4,129.02	1/2	3,830.30	1/2	3,527.51	1/2	3,224.68	1/2	2,921.85	1/2	2,619.04	1/2	2,316.21	1/2	2,015.02
3/4	3/4	3/4	3/4	3/4	4,421.04	3/4	4,122.81	3/4	3,824.59	3/4	3,521.80	3/4	3,218.97	3/4	2,916.14	3/4	2,614.21	3/4	2,312.78	3/4	2,011.60
2	2	2	2	2	4,414.83	2	4,116.60	2	3,818.38	2	3,515.55	2	3,212.72	2	2,910.00	2	2,607.17	2	2,304.74	2	2,008.12
1/4	1/4	1/4	1/4	1/4	4,408.61	1/4	4,110.39	1/4	3,812.16	1/4	3,509.33	1/4	3,206.50	1/4	2,903.67	1/4	2,600.84	1/4	2,300.41	1/4	2,003.29
1/2	1/2	1/2	1/2	1/2	4,402.40	1/2	4,104.18	1/2	3,805.95	1/2	3,503.12	1/2	3,200.29	1/2	2,897.46	1/2	2,594.53	1/2	2,297.70	1/2	2,000.58
3/4	3/4	3/4	3/4	3/4	4,396.19	3/4	4,097.96	3/4	3,799.74	3/4	3,497.91	3/4	3,196.08	3/4	2,894.25	3/4	2,591.32	3/4	2,290.00	3/4	1,997.17
3	3	3	3	3	4,389.97	3	4,091.75	3	3,793.53	3	3,491.70	3	3,190.87	3	2,889.04	3	2,586.11	3	2,285.28	3	1,992.45
1/4	1/4	1/4	1/4	1/4	4,383.76	1/4	4,085.54	1/4	3,787.31	1/4	3,485.48	1/4	3,184.65	1/4	2,882.82	1/4	2,580.89	1/4	2,280.06	1/4	1,987.23
1/2	1/2	1/2	1/2	1/2	4,377.55	1/2	4,079.32	1/2	3,781.10	1/2	3,479.27	1/2	3,178.44	1/2	2,876.61	1/2	2,574.68	1/2	2,275.85	1/2	1,983.02
3/4	3/4	3/4	3/4	3/4	4,371.33	3/4	4,073.11	3/4	3,774.89	3/4	3,473.06	3/4	3,172.23	3/4	2,870.40	3/4	2,568.47	3/4	2,273.64	3/4	1,979.19
4	4	4	4	4	4,365.12	4	4,066.90	4	3,768.67	4	3,466.84	4	3,166.01	4	2,865.18	4	2,563.25	4	2,270.42	4	1,975.46
1/4	1/4	1/4	1/4	1/4	4,358.91	1/4	4,060.68	1/4	3,762.46	1/4	3,460.63	1/4	3,160.80	1/4	2,860.97	1/4	2,559.04	1/4	2,267.21	1/4	1,971.25
1/2	1/2	1/2	1/2	1/2	4,352.70	1/2	4,054.47	1/2	3,756.25	1/2	3,454.42	1/2	3,154.59	1/2	2,854.76	1/2	2,554.83	1/2	2,263.98	1/2	1,967.02
3/4	3/4	3/4	3/4	3/4	4,346.48	3/4	4,048.26	3/4	3,750.03	3/4	3,448.18	3/4	3,148.35	3/4	2,848.52	3/4	2,548.59	3/4	2,260.75	3/4	1,963.79
5	5	5	5	5	4,340.27	5	4,042.05	5	3,743.82	5	3,443.97	5	3,144.14	5	2,844.31	5	2,544.38	5	2,257.55	5	1,960.56
1/4	1/4	1/4	1/4	1/4	4,334.06	1/4	4,035.83	1/4	3,737.61	1/4	3,437.76	1/4	3,137.93	1/4	2,838.10	1/4	2,538.17	1/4	2,254.34	1/4	1,957.33
1/2	1/2	1/2	1/2	1/2	4,327.84	1/2	4,029.62	1/2	3,731.40	1/2	3,431.55	1/2	3,131.72	1/2	2,831.89	1/2	2,531.96	1/2	2,251.13	1/2	1,954.12
3/4	3/4	3/4	3/4	3/4	4,321.63	3/4	4,023.41	3/4	3,725.18	3/4	3,425.33	3/4	3,125.50	3/4	2,825.67	3/4	2,525.74	3/4	2,248.90	3/4	1,950.88
6	6	6	6	6	4,315.42	6	4,017.19	6	3,718.97	6	3,419.14	6	3,119.31	6	2,819.48	6	2,519.55	6	2,246.75	6	1,947.65
1/4	1/4	1/4	1/4	1/4	4,309.20	1/4	4,010.98	1/4	3,712.76	1/4	3,413.93	1/4	3,114.10	1/4	2,814.27	1/4	2,514.34	1/4	2,243.52	1/4	1,944.41
1/2	1/2	1/2	1/2	1/2	4,302.99	1/2	4,004.77	1/2	3,706.54	1/2	3,408.70	1/2	3,108.87	1/2	2,809.04	1/2	2,509.11	1/2	2,240.29	1/2	1,941.17
3/4	3/4	3/4	3/4	3/4	4,296.78	3/4	3,998.55	3/4	3,700.33	3/4	3,402.48	3/4	3,102.65	3/4	2,802.82	3/4	2,502.89	3/4	2,237.04	3/4	1,937.92
7	7	7	7	7	4,290.57	7	3,992.34	7	3,694.12	7	3,395.90	7	3,097.67	7	2,797.84	7	2,498.01	7	2,233.79	7	1,934.69
1/4	1/4	1/4	1/4	1/4	4,284.35	1/4	3,986.13	1/4	3,687.90	1/4	3,390.67	1/4	3,092.44	1/4	2,792.61	1/4	2,492.78	1/4	2,230.54	1/4	1,931.45
1/2	1/2	1/2	1/2	1/2	4,278.14	1/2	3,979.92	1/2	3,681.69	1/2	3,385.46	1/2	3,087.23	1/2	2,787.40	1/2	2,487.57	1/2	2,227.31	1/2	1,928.21
3/4	3/4	3/4	3/4	3/4	4,271.93	3/4	3,973.70	3/4	3,675.48	3/4	3,379.25	3/4	3,081.02	3/4	2,781.19	3/4	2,481.36	3/4	2,224.06	3/4	1,924.97
8	8	8	8	8	4,265.71	8	3,967.49	8	3,669.27	8	3,373.04	8	3,074.81	8	2,774.98	8	2,475.15	8	2,220.81	8	1,921.73
1/4	1/4	1/4	1/4	1/4	4,259.50	1/4	3,961.28	1/4	3,663.05	1/4	3,366.82	1/4	3,068.59	1/4	2,769.76	1/4	2,470.93	1/4	2,217.58	1/4	1,918.48
1/2	1/2	1/2	1/2	1/2	4,253.29	1/2	3,955.06	1/2	3,656.84	1/2	3,360.61	1/2	3,062.38	1/2	2,763.55	1/2	2,463.72	1/2	2,214.33	1/2	1,915.23
3/4	3/4	3/4	3/4	3/4	4,247.07	3/4	3,948.85	3/4	3,650.62	3/4	3,354.39	3/4	3,056.16	3/4	2,757.33	3/4	2,459.10	3/4	2,211.08	3/4	1,911.98
9	9	9	9	9	4,240.86	9	3,942.64	9	3,644.42	9	3,348.19	9	3,050.96	9	2,751.73	9	2,451.90	9	2,207.83	9	1,908.73
1/4	1/4	1/4	1/4	1/4	4,234.65	1/4	3,936.42	1/4	3,638.19	1/4	3,342.96	1/4	3,045.73	1/4	2,746.50	1/4	2,447.27	1/4	2,204.58	1/4	1,905.48
1/2	1/2	1/2	1/2	1/2	4,228.44	1/2	3,930.21	1/2	3,631.98	1/2	3,336.75	1/2	3,039.52	1/2	2,741.29	1/2	2,443.06	1/2	2,201.33	1/2	1,902.23
3/4	3/4	3/4	3/4	3/4	4,222.22	3/4	3,924.00	3/4	3,625.77	3/4	3,331.74	3/4	3,034.51	3/4	2,737.00	3/4	2,438.77	3/4	2,198.08	3/4	1,898.98
10	10	10	10	10	4,216.01	10	3,917.79	10	3,619.56	10	3,325.54	10	3,028.31	10	2,732.00	10	2,434.77	10	2,194.81	10	1,895.73
1/4	1/4	1/4	1/4	1/4	4,209.80	1/4	3,911.57	1/4	3,612.34	1/4	3,319.11	1/4	3,021.88	1/4	2,727.57	1/4	2,431.54	1/4	2,191.56	1/4	1,892.48
1/2	1/2	1/2	1/2	1/2	4,203.58	1/2	3,905.36	1/2	3,606.13	1/2	3,311.90	1/2	3,014.67	1/2	2,723.36	1/2	2,427.33	1/2	2,188.31	1/2	1,889.23
3/4	3/4	3/4	3/4	3/4	4,197.37	3/4	3,899.15	3/4	3,599.92	3/4	3,305.69	3/4	3,008.46	3/4	2,719.15	3/4	2,423.10	3/4	2,185.06	3/4	1,885.98
11	11	11	11	11	4,191.16	11	3,892.93	11	3,592.70	11	3,298.47	11	2,999.24	11	2,704.93	11	2,418.68	11	2,181.81	11	1,882.73
1/4	1/4	1/4	1/4	1/4	4,184.94	1/4	3,886.72	1/4	3,586.49	1/4	3,292.24	1/4	2,993.01	1/4	2,698.76	1/4	2,414.51	1/4	2,178.56	1/4	1,879.48
1/2	1/2	1/2	1/2	1/2	4,178.73	1/2	3,880.51	1/2	3,580.28	1/2	3,286.05	1/2	2,986.82	1/2	2,692.57	1/2	2,410.40	1/2	2,175.31	1/2	1,876.23
3/4	3/4	3/4	3/4	3/4	4,172.52	3/4	3,874.29	3/4	3,574.06	3/4	3,279.83	3/4	2,980.60	3/4	2,687.12	3/4	2,406.29	3/4	2,172.06	3/4	1,872.98

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE ONLY APPLIES TO UNDERSIDE OF DECK AT GAUGE POINT.  
 OR MANUAL GAUGES OBTAINED AT STANDPIPE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-10" OFF CENTERLINE AND 46'-01" FORWARD OF AFT BULKHEAD.



# BARGE "KIRBY 28302"

## 3 STBD ULLAGE TABLE

FORMERLY "DXE 2903"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2,473.90	0	2,109.30	0	1,744.71	0	1,380.12	0	1,016.95	0	652.57	0	288.06	0		0		0	
1/4	2,466.30	1/4	2,101.70	1/4	1,737.11	1/4	1,372.53	1/4	1,009.37	1/4	644.97	1/4	280.47	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,458.70	1/2	2,094.11	1/2	1,729.51	1/2	1,364.95	1/2	1,001.80	1/2	637.38	1/2	272.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,451.11	3/4	2,086.51	3/4	1,721.92	3/4	1,357.36	3/4	994.22	3/4	629.79	3/4	265.28	3/4	3/4	3/4	3/4	3/4	3/4
1	2,443.51	1	2,078.92	1	1,714.32	1	1,349.79	1	986.64	1	622.19	1	257.68	1	1	1	1	1	1
1/4	2,435.92	1/4	2,071.32	1/4	1,706.73	1/4	1,342.23	1/4	979.04	1/4	614.60	1/4	250.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,428.32	1/2	2,063.73	1/2	1,699.13	1/2	1,334.66	1/2	971.45	1/2	607.01	1/2	242.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,420.72	3/4	2,056.13	3/4	1,691.54	3/4	1,327.10	3/4	963.86	3/4	599.41	3/4	234.91	3/4	3/4	3/4	3/4	3/4	3/4
2	2,413.13	2	2,048.53	2	1,683.94	2	1,319.53	2	956.26	2	591.82	2	227.32	2	2	2	2	2	2
1/4	2,405.53	1/4	2,040.94	1/4	1,676.34	1/4	1,311.97	1/4	948.67	1/4	584.22	1/4	219.73	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,397.94	1/2	2,033.34	1/2	1,668.75	1/2	1,304.40	1/2	941.08	1/2	576.63	1/2	212.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,390.34	3/4	2,025.75	3/4	1,661.15	3/4	1,296.84	3/4	933.49	3/4	569.04	3/4	204.56	3/4	3/4	3/4	3/4	3/4	3/4
3	2,382.74	3	2,018.15	3	1,653.56	3	1,289.27	3	925.89	3	561.44	3	196.98	3	3	3	3	3	3
1/4	2,375.15	1/4	2,010.56	1/4	1,645.96	1/4	1,281.71	1/4	918.30	1/4	553.83	1/4	189.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,367.55	1/2	2,002.96	1/2	1,638.37	1/2	1,274.14	1/2	910.71	1/2	546.26	1/2	181.82	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,359.96	3/4	1,995.36	3/4	1,630.77	3/4	1,266.58	3/4	903.12	3/4	538.66	3/4	174.25	3/4	3/4	3/4	3/4	3/4	3/4
4	2,352.36	4	1,987.77	4	1,623.17	4	1,259.01	4	895.53	4	531.07	4	166.68	4	4	4	4	4	4
1/4	2,344.76	1/4	1,980.17	1/4	1,615.58	1/4	1,251.45	1/4	887.93	1/4	523.48	1/4	159.12	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,337.17	1/2	1,972.58	1/2	1,607.98	1/2	1,243.88	1/2	880.34	1/2	515.88	1/2	151.56	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,329.57	3/4	1,964.98	3/4	1,600.39	3/4	1,236.32	3/4	872.75	3/4	508.29	3/4	144.01	3/4	3/4	3/4	3/4	3/4	3/4
5	2,321.98	5	1,957.39	5	1,592.79	5	1,228.75	5	865.16	5	500.70	5	136.47	5	5	5	5	5	5
1/4	2,314.38	1/4	1,949.79	1/4	1,585.20	1/4	1,221.19	1/4	857.56	1/4	493.10	1/4	128.94	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,306.78	1/2	1,942.19	1/2	1,577.60	1/2	1,213.62	1/2	849.97	1/2	485.51	1/2	121.41	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,299.19	3/4	1,934.60	3/4	1,570.01	3/4	1,206.06	3/4	842.38	3/4	477.92	3/4	113.91	3/4	3/4	3/4	3/4	3/4	3/4
6	2,291.59	6	1,927.00	6	1,562.41	6	1,198.49	6	834.79	6	470.32	6	106.50	6	6	6	6	6	6
1/4	2,284.00	1/4	1,919.41	1/4	1,554.82	1/4	1,190.93	1/4	827.19	1/4	462.73	1/4	99.16	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,276.40	1/2	1,911.81	1/2	1,547.22	1/2	1,183.36	1/2	819.60	1/2	455.14	1/2	91.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,268.81	3/4	1,904.22	3/4	1,539.62	3/4	1,175.80	3/4	812.01	3/4	447.54	3/4	84.60	3/4	3/4	3/4	3/4	3/4	3/4
7	2,261.21	7	1,896.62	7	1,532.03	7	1,168.23	7	804.42	7	439.95	7	77.77	7	7	7	7	7	7
1/4	2,253.62	1/4	1,889.02	1/4	1,524.43	1/4	1,160.67	1/4	796.83	1/4	432.35	1/4	71.17	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,246.02	1/2	1,881.43	1/2	1,516.84	1/2	1,153.11	1/2	789.23	1/2	424.76	1/2	64.57	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,238.43	3/4	1,873.83	3/4	1,509.24	3/4	1,145.54	3/4	781.64	3/4	417.17	3/4	58.21	3/4	3/4	3/4	3/4	3/4	3/4
8	2,230.83	8	1,866.24	8	1,501.64	8	1,137.98	8	774.05	8	409.57	8	52.48	8	8	8	8	8	8
1/4	2,223.24	1/4	1,858.64	1/4	1,494.05	1/4	1,130.41	1/4	766.46	1/4	401.98	1/4	47.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,215.64	1/2	1,851.05	1/2	1,486.45	1/2	1,122.85	1/2	758.86	1/2	394.39	1/2	41.80	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,208.04	3/4	1,843.45	3/4	1,478.86	3/4	1,115.29	3/4	751.27	3/4	386.79	3/4	36.70	3/4	3/4	3/4	3/4	3/4	3/4
9	2,200.45	9	1,835.85	9	1,471.26	9	1,107.72	9	743.68	9	379.20	9	32.24	9	9	9	9	9	9
1/4	2,192.85	1/4	1,828.26	1/4	1,463.67	1/4	1,100.16	1/4	736.09	1/4	371.60	1/4	30.20	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,185.26	1/2	1,820.66	1/2	1,456.07	1/2	1,092.59	1/2	728.50	1/2	364.01	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,177.66	3/4	1,813.07	3/4	1,448.47	3/4	1,085.03	3/4	720.90	3/4	356.41	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,170.07	10	1,805.47	10	1,440.88	10	1,077.47	10	713.31	10	348.82	10		10	10	10	10	10	10
1/4	2,162.47	1/4	1,797.88	1/4	1,433.28	1/4	1,069.90	1/4	705.72	1/4	341.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,154.87	1/2	1,790.28	1/2	1,425.69	1/2	1,062.34	1/2	698.13	1/2	333.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,147.28	3/4	1,782.68	3/4	1,418.09	3/4	1,054.77	3/4	690.53	3/4	326.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,139.68	11	1,775.09	11	1,410.50	11	1,047.21	11	682.94	11	318.44	11		11	11	11	11	11	11
1/4	2,132.09	1/4	1,767.49	1/4	1,402.90	1/4	1,039.65	1/4	675.35	1/4	310.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,124.49	1/2	1,759.90	1/2	1,395.30	1/2	1,032.08	1/2	667.75	1/2	303.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,116.90	3/4	1,752.30	3/4	1,387.71	3/4	1,024.52	3/4	660.16	3/4	295.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

STRAPPED: 03/01/1991 SI  
REPRINTED: 05/17/2001 CL  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2001