



KIRBY 29016



Barge Strapping Tables





BARGE "KIRBY 29016"

ULLAGE TRIM TABLE

FORMERLY "STCO 2801"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

LENGTH BETWEEN DRAFT MARKS: 237'-00"

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

February 3, 2005

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

<http://www.pmacorp.net>



BARGE "KIRBY 29016"

1 PORT ULLAGE TABLE

FORMERLY "STCO 2801"

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

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

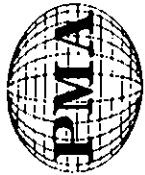
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.
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[Signature]

SHEET NO 1 OF 12



BARGE "KIRBY 29016"

1 PORT ULLAGE TABLE

FORMERLY "STCO 2801"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	2,275.71	0	1,858.64	0	1,491.69	0	1,124.63	0	758.17	0	413.35	0	104.83	0		0		0	
1/4	2,218.07	1/4	1,851.00	1/4	1,484.05	1/4	1,116.99	1/4	750.64	1/4	406.54	1/4	98.86	1/4		1/4		1/4	
1/2	2,210.42	1/2	1,843.35	1/2	1,476.41	1/2	1,109.34	1/2	743.13	1/2	399.75	1/2	92.95	1/2		1/2		1/2	
3/4	2,202.77	3/4	1,835.70	3/4	1,468.76	3/4	1,101.69	3/4	735.62	3/4	392.97	3/4	87.03	3/4		3/4		3/4	
1	2,195.12	1	1,828.05	1	1,461.12	1	1,094.04	1	728.11	1	386.18	1	81.12	1		1		1	
1 1/4	2,187.47	1 1/4	1,820.41	1 1/4	1,453.48	1 1/4	1,086.40	1 1/4	720.64	1 1/4	379.43	1 1/4	75.48	1 1/4		1 1/4		1 1/4	
1 1/2	2,179.82	1 1/2	1,812.76	1 1/2	1,445.83	1 1/2	1,078.75	1 1/2	713.19	1 1/2	372.70	1 1/2	70.05	1 1/2		1 1/2		1 1/2	
1 3/4	2,172.17	1 3/4	1,805.12	1 3/4	1,438.19	1 3/4	1,071.10	1 3/4	705.74	1 3/4	365.98	1 3/4	64.85	1 3/4		1 3/4		1 3/4	
2	2,164.52	2	1,797.47	2	1,430.54	2	1,063.45	2	698.29	2	359.25	2	59.24	2		2		2	
2 1/4	2,156.88	2 1/4	1,789.83	2 1/4	1,422.90	2 1/4	1,055.81	2 1/4	690.88	2 1/4	352.56	2 1/4	54.27	2 1/4		2 1/4		2 1/4	
2 1/2	2,149.23	2 1/2	1,782.18	2 1/2	1,415.25	2 1/2	1,048.16	2 1/2	683.49	2 1/2	345.90	2 1/2	49.74	2 1/2		2 1/2		2 1/2	
2 3/4	2,141.58	2 3/4	1,774.54	2 3/4	1,407.61	2 3/4	1,040.51	2 3/4	676.11	2 3/4	339.23	2 3/4	45.22	2 3/4		2 3/4		2 3/4	
3	2,133.93	3	1,766.89	3	1,399.96	3	1,032.86	3	668.72	3	332.57	3	40.69	3		3		3	
3 1/4	2,126.29	3 1/4	1,759.25	3 1/4	1,392.32	3 1/4	1,025.22	3 1/4	661.37	3 1/4	325.94	3 1/4	36.66	3 1/4		3 1/4		3 1/4	
3 1/2	2,118.64	3 1/2	1,751.60	3 1/2	1,384.67	3 1/2	1,017.57	3 1/2	654.04	3 1/2	319.34	3 1/2	33.11	3 1/2		3 1/2		3 1/2	
3 3/4	2,110.99	3 3/4	1,743.96	3 3/4	1,377.02	3 3/4	1,009.92	3 3/4	646.71	3 3/4	312.75	3 3/4	29.56	3 3/4		3 3/4		3 3/4	
4	2,103.34	4	1,736.31	4	1,369.37	4	1,002.27	4	639.38	4	306.15	4	26.02	4		4		4	
4 1/4	2,095.70	4 1/4	1,728.67	4 1/4	1,361.72	4 1/4	994.63	4 1/4	632.09	4 1/4	299.59	4 1/4	22.47	4 1/4		4 1/4		4 1/4	
4 1/2	2,088.05	4 1/2	1,721.03	4 1/2	1,354.07	4 1/2	986.88	4 1/2	624.82	4 1/2	293.06	4 1/2		4 1/2		4 1/2		4 1/2	
4 3/4	2,080.40	4 3/4	1,713.38	4 3/4	1,346.42	4 3/4	979.34	4 3/4	617.55	4 3/4	286.53	4 3/4		4 3/4		4 3/4		4 3/4	
5	2,072.75	5	1,705.74	5	1,338.77	5	971.69	5	610.28	5	280.00	5		5		5		5	
5 1/4	2,065.10	5 1/4	1,698.10	5 1/4	1,331.13	5 1/4	964.05	5 1/4	603.05	5 1/4	273.51	5 1/4		5 1/4		5 1/4		5 1/4	
5 1/2	2,057.45	5 1/2	1,690.45	5 1/2	1,323.48	5 1/2	956.41	5 1/2	595.84	5 1/2	267.05	5 1/2		5 1/2		5 1/2		5 1/2	
5 3/4	2,049.80	5 3/4	1,682.81	5 3/4	1,315.83	5 3/4	948.77	5 3/4	588.64	5 3/4	260.59	5 3/4		5 3/4		5 3/4		5 3/4	
6	2,042.15	6	1,675.16	6	1,308.18	6	941.13	6	581.43	6	254.13	6		6		6		6	
6 1/4	2,034.51	6 1/4	1,667.52	6 1/4	1,300.54	6 1/4	933.49	6 1/4	574.26	6 1/4	247.71	6 1/4		6 1/4		6 1/4		6 1/4	
6 1/2	2,026.86	6 1/2	1,659.87	6 1/2	1,292.89	6 1/2	925.85	6 1/2	567.11	6 1/2	241.32	6 1/2		6 1/2		6 1/2		6 1/2	
6 3/4	2,019.21	6 3/4	1,652.23	6 3/4	1,285.24	6 3/4	918.21	6 3/4	559.96	6 3/4	234.93	6 3/4		6 3/4		6 3/4		6 3/4	
7	2,011.56	7	1,644.58	7	1,277.59	7	910.57	7	552.81	7	228.54	7		7		7		7	
7 1/4	2,003.92	7 1/4	1,636.94	7 1/4	1,269.95	7 1/4	902.93	7 1/4	545.70	7 1/4	222.19	7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2	1,996.27	7 1/2	1,629.29	7 1/2	1,262.30	7 1/2	895.29	7 1/2	538.61	7 1/2	215.87	7 1/2		7 1/2		7 1/2		7 1/2	
7 3/4	1,988.63	7 3/4	1,621.65	7 3/4	1,254.65	7 3/4	887.65	7 3/4	531.53	7 3/4	209.56	7 3/4		7 3/4		7 3/4		7 3/4	
8	1,980.98	8	1,614.00	8	1,247.00	8	880.01	8	524.44	8	203.24	8		8		8		8	
8 1/4	1,973.34	8 1/4	1,606.36	8 1/4	1,239.36	8 1/4	872.37	8 1/4	517.39	8 1/4	196.96	8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	1,965.69	8 1/2	1,598.72	8 1/2	1,231.71	8 1/2	864.73	8 1/2	510.38	8 1/2	190.71	8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	1,958.04	8 3/4	1,591.07	8 3/4	1,224.06	8 3/4	857.10	8 3/4	503.34	8 3/4	184.46	8 3/4		8 3/4		8 3/4		8 3/4	
9	1,950.39	9	1,583.43	9	1,216.41	9	849.46	9	496.31	9	178.21	9		9		9		9	
9 1/4	1,942.75	9 1/4	1,575.79	9 1/4	1,208.77	9 1/4	841.82	9 1/4	489.32	9 1/4	172.00	9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	1,935.10	9 1/2	1,568.14	9 1/2	1,201.12	9 1/2	834.18	9 1/2	482.35	9 1/2	165.82	9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	1,927.46	9 3/4	1,560.50	9 3/4	1,193.47	9 3/4	826.56	9 3/4	475.38	9 3/4	159.65	9 3/4		9 3/4		9 3/4		9 3/4	
10	1,919.81	10	1,552.85	10	1,185.82	10	818.93	10	468.41	10	153.47	10		10		10		10	
10 1/4	1,912.17	10 1/4	1,545.21	10 1/4	1,178.17	10 1/4	811.30	10 1/4	461.48	10 1/4	147.33	10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	1,904.52	10 1/2	1,537.56	10 1/2	1,170.52	10 1/2	803.69	10 1/2	454.57	10 1/2	141.22	10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	1,896.87	10 3/4	1,529.92	10 3/4	1,162.87	10 3/4	796.08	10 3/4	447.67	10 3/4	135.12	10 3/4		10 3/4		10 3/4		10 3/4	
11	1,889.22	11	1,522.27	11	1,155.22	11	788.47	11	440.76	11	129.01	11		11		11		11	
11 1/4	1,881.58	11 1/4	1,514.63	11 1/4	1,147.58	11 1/4	780.88	11 1/4	433.89	11 1/4	122.94	11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	1,873.93	11 1/2	1,506.98	11 1/2	1,139.93	11 1/2	773.31	11 1/2	427.04	11 1/2	116.90	11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	1,866.29	11 3/4	1,499.34	11 3/4	1,132.28	11 3/4	765.74	11 3/4	420.20	11 3/4	110.87	11 3/4		11 3/4		11 3/4		11 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 02/02/1985 SI
DECK MEASUREMENTS: 02/02/2005 SW CL
REPRINTED: 02/06/2005 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77588
http://www.pmacord.net



BARGE "KIRBY 29016"

1 STBD

ULLAGE TABLE

FORMERLY "STCO 2801"											GAUGE HEIGHT 16'-04 3/4"									
CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS											8 FT.	7 FT.	6 FT.	5 FT.	4 FT.	3 FT.	2 FT.	1 FT.	0 FT.	9 FT.
IN	0	1	2	3	4	5	6	7	8	9	N	N	N	N	N	N	N	N	N	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS
 BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT. (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 41'-08" FORWARD OF AFT BULKHEAD.
 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY
 PRECISION MEASUREMENT & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
 http://www.pmacord.net



BARGE "KIRBY 29016"

1 STBD ULLAGE TABLE

FORMERLY "STCO 2801"

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.	
W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M
0	2,234.98	0	1,868.76	0	1,502.56	0	1,136.32	0	770.56	0	425.12	0	115.72	0	0	0	0	0	0
1/4	2,227.35	1/4	1,861.13	1/4	1,494.93	1/4	1,128.69	1/4	763.01	1/4	418.28	1/4	109.69	1/4	0	1/4	1/4	1/4	1/4
1/2	2,219.72	1/2	1,853.50	1/2	1,487.30	1/2	1,121.06	1/2	755.46	1/2	411.46	1/2	103.67	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,212.09	3/4	1,845.88	3/4	1,479.67	3/4	1,113.43	3/4	747.84	3/4	404.66	3/4	97.71	3/4	3/4	3/4	3/4	3/4	3/4
1	2,204.46	1	1,838.25	1	1,472.04	1	1,105.80	1	740.45	1	397.89	1	91.81	1	1	1	1	1	1
1/4	2,196.83	1/4	1,830.62	1/4	1,464.41	1/4	1,098.17	1/4	732.86	1/4	391.12	1/4	85.92	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,189.20	1/2	1,822.99	1/2	1,456.78	1/2	1,090.54	1/2	725.47	1/2	384.35	1/2	80.02	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,181.57	3/4	1,815.37	3/4	1,449.15	3/4	1,082.91	3/4	718.02	3/4	377.61	3/4	74.37	3/4	3/4	3/4	3/4	3/4	3/4
1	2,173.94	1	1,807.74	1	1,441.52	1	1,075.28	1	710.59	1	370.90	1	68.97	1	1	1	1	1	1
1/4	2,166.31	1/4	1,800.11	1/4	1,433.89	1/4	1,067.65	1/4	703.16	1/4	364.19	1/4	63.58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,158.68	1/2	1,792.48	1/2	1,426.26	1/2	1,060.02	1/2	695.73	1/2	357.48	1/2	58.18	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,151.05	3/4	1,784.85	3/4	1,418.63	3/4	1,052.39	3/4	688.34	3/4	350.81	3/4	53.22	3/4	3/4	3/4	3/4	3/4	3/4
1	2,143.42	1	1,777.22	1	1,411.00	1	1,044.76	1	680.97	1	344.16	1	48.71	1	1	1	1	1	1
1/4	2,135.79	1/4	1,769.59	1/4	1,403.37	1/4	1,037.13	1/4	673.60	1/4	337.52	1/4	44.20	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,128.16	1/2	1,761.96	1/2	1,395.74	1/2	1,029.50	1/2	666.23	1/2	330.87	1/2	39.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,120.53	3/4	1,754.33	3/4	1,388.11	3/4	1,021.87	3/4	658.89	3/4	324.26	3/4	35.66	3/4	3/4	3/4	3/4	3/4	3/4
1	2,112.90	1	1,746.70	1	1,380.48	1	1,014.24	1	651.58	1	317.68	1	32.12	1	1	1	1	1	1
1/4	2,105.27	1/4	1,739.07	1/4	1,372.85	1/4	1,006.61	1/4	644.27	1/4	311.09	1/4	28.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,097.64	1/2	1,731.44	1/2	1,365.22	1/2	998.98	1/2	636.96	1/2	304.51	1/2	25.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,090.01	3/4	1,723.81	3/4	1,357.59	3/4	991.36	3/4	629.68	3/4	297.96	3/4	21.51	3/4	3/4	3/4	3/4	3/4	3/4
1	2,082.38	1	1,716.18	1	1,349.96	1	983.73	1	622.43	1	291.45	1	18.45	1	1	1	1	1	1
1/4	2,074.75	1/4	1,708.55	1/4	1,342.33	1/4	976.11	1/4	615.18	1/4	284.94	1/4	15.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,067.12	1/2	1,700.92	1/2	1,334.70	1/2	968.48	1/2	607.93	1/2	278.43	1/2	12.12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,059.49	3/4	1,693.29	3/4	1,327.07	3/4	960.86	3/4	600.71	3/4	271.95	3/4	9.10	3/4	3/4	3/4	3/4	3/4	3/4
1	2,051.86	1	1,685.66	1	1,319.44	1	953.24	1	593.52	1	265.51	1	6.51	1	1	1	1	1	1
1/4	2,044.23	1/4	1,678.03	1/4	1,311.81	1/4	945.61	1/4	586.33	1/4	259.06	1/4	3.92	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,036.60	1/2	1,670.40	1/2	1,304.18	1/2	937.99	1/2	579.14	1/2	252.62	1/2	1.33	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,028.97	3/4	1,662.77	3/4	1,296.55	3/4	930.37	3/4	571.98	3/4	246.21	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
1	2,021.34	1	1,655.14	1	1,288.92	1	922.75	1	564.85	1	239.84	1	0.00	1	1	1	1	1	1
1/4	2,013.71	1/4	1,647.51	1/4	1,281.29	1/4	915.12	1/4	557.72	1/4	233.46	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,006.08	1/2	1,639.88	1/2	1,273.66	1/2	907.50	1/2	550.59	1/2	227.09	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,998.45	3/4	1,632.25	3/4	1,266.03	3/4	899.88	3/4	543.49	3/4	220.75	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
1	1,990.82	1	1,624.62	1	1,258.40	1	892.26	1	536.42	1	214.45	1	0.00	1	1	1	1	1	1
1/4	1,983.19	1/4	1,616.99	1/4	1,250.77	1/4	884.63	1/4	529.35	1/4	208.14	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,975.56	1/2	1,609.36	1/2	1,243.14	1/2	877.01	1/2	522.28	1/2	201.84	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,967.94	3/4	1,601.73	3/4	1,235.51	3/4	869.39	3/4	515.25	3/4	195.57	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
1	1,960.31	1	1,594.10	1	1,227.88	1	861.77	1	508.24	1	189.34	1	0.00	1	1	1	1	1	1
1/4	1,952.68	1/4	1,586.47	1/4	1,220.25	1/4	854.16	1/4	501.11	1/4	183.11	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,945.05	1/2	1,578.84	1/2	1,212.62	1/2	846.54	1/2	494.22	1/2	176.88	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,937.43	3/4	1,571.21	3/4	1,204.99	3/4	838.92	3/4	487.25	3/4	170.68	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
1	1,929.80	1	1,563.58	1	1,197.36	1	831.31	1	480.30	1	164.52	1	0.00	1	1	1	1	1	1
1/4	1,922.17	1/4	1,555.95	1/4	1,189.73	1/4	823.69	1/4	473.35	1/4	158.36	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,914.54	1/2	1,548.32	1/2	1,182.10	1/2	816.08	1/2	466.40	1/2	152.20	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,906.91	3/4	1,540.70	3/4	1,174.47	3/4	808.47	3/4	459.48	3/4	146.07	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
1	1,899.28	1	1,533.07	1	1,166.84	1	800.88	1	452.59	1	139.98	1	0.00	1	1	1	1	1	1
1/4	1,891.65	1/4	1,525.44	1/4	1,159.21	1/4	793.28	1/4	445.70	1/4	133.89	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,884.02	1/2	1,517.81	1/2	1,151.58	1/2	785.69	1/2	438.81	1/2	127.80	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,876.39	3/4	1,510.19	3/4	1,143.95	3/4	778.11	3/4	431.95	3/4	121.74	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 02/02/1995 S1
DECK MEASUREMENTS: 02/03/2005 SW CL
REPRINTED: 02/04/2005 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2005

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



BARGE "KIRBY 29016"

2 PORT ULLAGE TABLE

FORMERLY "STCO 2801"

H	CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS																H
	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	GAUGE HEIGHT 16'-04 3/4"						
0	0	0	0	4,836.21	4,500.82	4,151.57	3,790.32	3,425.90	3,061.48	2,697.06							
1/4	1/4	1/4	4,829.35	4,493.67	4,144.15	3,782.73	3,418.31	3,053.89	2,689.47								
1/2	1/2	1/2	4,822.50	4,486.52	4,136.74	3,775.14	3,410.72	3,046.30	2,681.88								
3/4	3/4	3/4	4,815.63	4,479.36	4,129.31	3,767.54	3,403.12	3,038.70	2,674.28								
1	1	1	4,808.75	4,472.19	4,121.88	3,759.95	3,395.53	3,031.11	2,666.69								
1/4	1/4	1/4	4,801.87	4,465.02	4,114.44	3,752.36	3,387.94	3,023.52	2,658.10								
1/2	1/2	1/2	4,794.99	4,457.85	4,107.01	3,744.77	3,380.35	3,015.93	2,651.51								
3/4	3/4	3/4	4,788.10	4,450.68	4,099.57	3,737.17	3,372.75	3,008.33	2,643.91								
2	2	2	4,781.20	4,443.47	4,092.12	3,729.58	3,365.16	3,000.74	2,636.32								
1/4	1/4	1/4	4,774.30	4,436.27	4,084.67	3,721.99	3,357.57	2,993.15	2,628.73								
1/2	1/2	1/2	4,767.40	4,429.08	4,077.22	3,714.40	3,349.98	2,985.56	2,621.14								
3/4	3/4	3/4	4,760.49	4,421.87	4,069.76	3,706.80	3,342.38	2,977.96	2,613.54								
3	3	3	4,753.57	4,414.66	4,062.29	3,699.21	3,334.79	2,970.37	2,605.95								
1/4	1/4	1/4	4,746.65	4,407.44	4,054.82	3,691.62	3,327.20	2,962.78	2,598.36								
1/2	1/2	1/2	4,739.73	4,400.23	4,047.35	3,684.03	3,319.61	2,955.19	2,590.77								
3/4	3/4	3/4	4,732.80	4,393.01	4,039.86	3,676.43	3,312.01	2,947.59	2,583.17								
4	4	4	4,725.85	4,385.78	4,032.37	3,668.84	3,304.42	2,940.00	2,575.58								
1/4	1/4	1/4	4,718.91	4,378.55	4,024.88	3,661.25	3,296.83	2,932.41	2,567.99								
1/2	1/2	1/2	4,711.96	4,371.32	4,017.39	3,653.66	3,289.24	2,924.82	2,560.40								
3/4	3/4	3/4	4,705.01	4,364.09	4,009.88	3,646.07	3,281.64	2,917.22	2,552.80								
5	5	5	4,698.04	4,356.84	4,002.36	3,638.48	3,274.05	2,909.63	2,545.21								
1/4	1/4	1/4	4,691.07	4,349.59	3,994.85	3,630.89	3,266.46	2,902.04	2,537.62								
1/2	1/2	1/2	4,684.10	4,342.34	3,987.33	3,623.30	3,258.87	2,894.45	2,530.03								
3/4	3/4	3/4	4,677.13	4,335.07	3,979.80	3,615.70	3,251.28	2,886.86	2,522.43								
6	6	6	4,670.14	4,327.80	3,972.28	3,608.11	3,243.69	2,879.27	2,514.84								
1/4	1/4	1/4	4,663.15	4,320.53	3,964.72	3,600.52	3,236.10	2,871.68	2,507.25								
1/2	1/2	1/2	4,656.16	4,313.26	3,957.18	3,592.93	3,228.51	2,864.09	2,499.66								
3/4	3/4	3/4	4,649.17	4,305.97	3,949.63	3,585.33	3,220.91	2,856.49	2,492.07								
7	7	7	4,642.16	4,298.68	3,942.08	3,577.74	3,213.32	2,848.90	2,484.48								
1/4	1/4	1/4	4,635.15	4,291.38	3,934.49	3,570.15	3,205.73	2,841.31	2,476.89								
1/2	1/2	1/2	4,628.14	4,284.09	3,926.92	3,562.56	3,198.14	2,833.72	2,469.30								
3/4	3/4	3/4	4,621.11	4,276.78	3,919.35	3,554.96	3,190.54	2,826.12	2,461.70								
8	8	8	4,614.08	4,269.45	3,911.77	3,547.37	3,182.95	2,818.53	2,454.11								
1/4	1/4	1/4	4,607.04	4,262.13	3,904.18	3,539.78	3,175.36	2,810.94	2,446.52								
1/2	1/2	1/2	4,600.01	4,254.80	3,896.60	3,532.19	3,167.77	2,803.35	2,438.93								
3/4	3/4	3/4	4,592.96	4,247.47	3,889.01	3,524.59	3,160.17	2,795.75	2,431.33								
9	9	9	4,585.91	4,240.12	3,881.42	3,517.00	3,152.58	2,788.16	2,423.74								
1/4	1/4	1/4	4,578.85	4,232.77	3,873.83	3,509.41	3,144.99	2,780.57	2,416.15								
1/2	1/2	1/2	4,571.80	4,225.42	3,866.24	3,501.82	3,137.40	2,772.98	2,408.56								
3/4	3/4	3/4	4,564.73	4,218.06	3,858.64	3,494.22	3,129.80	2,765.38	2,400.96								
10	10	10	4,557.66	4,210.69	3,851.05	3,486.63	3,122.21	2,757.79	2,393.37								
1/4	1/4	1/4	4,550.58	4,203.32	3,843.46	3,479.04	3,114.62	2,750.20	2,385.78								
1/2	1/2	1/2	4,543.51	4,195.95	3,835.87	3,471.45	3,107.03	2,742.61	2,378.19								
3/4	3/4	3/4	4,536.42	4,188.56	3,828.28	3,463.86	3,099.43	2,735.01	2,370.59								
11	11	11	4,529.31	4,181.17	3,820.69	3,456.27	3,091.84	2,727.42	2,363.00								
1/4	1/4	1/4	4,522.20	4,173.78	3,813.10	3,448.68	3,084.25	2,719.83	2,355.41								
1/2	1/2	1/2	4,515.09	4,166.39	3,805.51	3,441.09	3,076.66	2,712.24	2,347.82								
3/4	3/4	3/4	4,507.97	4,158.98	3,797.91	3,433.49	3,069.07	2,704.65	2,340.22								

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT & ANALYSIS, INC.
 P.O. Box 2992
 Pearland, Texas 77588
 http://www.pmacorp.net

John J. Lawrence

SHEET NO. 5 OF 12



2 PORT ULLAGE TABLE

BARGE "KIRBY 29016"

FORMERLY "STCO 2801"

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0
0	2,332.63	0	1,968.23	0	1,603.86	0	1,239.79	0	876.08	0	512.65	0	148.88	0		0			
1/4	2,325.04	1/4	1,960.64	1/4	1,596.27	1/4	1,232.22	1/4	868.51	1/4	505.08	1/4	141.33	1/4		1/4			
1/2	2,317.45	1/2	1,953.05	1/2	1,588.68	1/2	1,224.64	1/2	860.94	1/2	497.47	1/2	133.77	1/2		1/2			
3/4	2,309.86	3/4	1,945.48	3/4	1,581.08	3/4	1,217.06	3/4	853.37	3/4	489.88	3/4	126.21	3/4		3/4			
1	2,302.27	1	1,937.87	1	1,573.49	1	1,209.48	1	845.80	1	482.29	1	118.65	1		1			
1 1/4	2,294.68	1 1/4	1,930.28	1 1/4	1,565.90	1 1/4	1,201.81	1 1/4	838.23	1 1/4	474.70	1 1/4	111.10	1 1/4		1 1/4			
1 1/2	2,287.09	1 1/2	1,922.69	1 1/2	1,558.31	1 1/2	1,194.33	1 1/2	830.66	1 1/2	467.11	1 1/2	103.54	1 1/2		1 1/2			
1 3/4	2,279.49	1 3/4	1,915.09	1 3/4	1,550.72	1 3/4	1,186.75	1 3/4	823.09	1 3/4	459.52	1 3/4	96.33	1 3/4		1 3/4			
2	2,271.90	2	1,907.50	2	1,543.13	2	1,179.17	2	815.52	2	451.93	2	88.47	2		2			
2 1/4	2,264.31	2 1/4	1,899.91	2 1/4	1,535.54	2 1/4	1,171.60	2 1/4	807.95	2 1/4	444.34	2 1/4	82.61	2 1/4		2 1/4			
2 1/2	2,256.72	2 1/2	1,892.32	2 1/2	1,527.95	2 1/2	1,164.02	2 1/2	800.38	2 1/2	436.75	2 1/2	75.75	2 1/2		2 1/2			
2 3/4	2,249.12	2 3/4	1,884.73	2 3/4	1,520.36	2 3/4	1,156.44	2 3/4	792.80	2 3/4	429.15	2 3/4	69.40	2 3/4		2 3/4			
3	2,241.53	3	1,877.14	3	1,512.77	3	1,148.86	3	785.23	3	421.56	3	63.56	3		3			
3 1/4	2,233.94	3 1/4	1,869.55	3 1/4	1,505.18	3 1/4	1,141.29	3 1/4	777.66	3 1/4	413.97	3 1/4	57.72	3 1/4		3 1/4			
3 1/2	2,226.35	3 1/2	1,861.96	3 1/2	1,497.59	3 1/2	1,133.71	3 1/2	770.09	3 1/2	406.38	3 1/2	51.88	3 1/2		3 1/2			
3 3/4	2,218.75	3 3/4	1,854.38	3 3/4	1,489.99	3 3/4	1,126.13	3 3/4	762.51	3 3/4	398.78	3 3/4	46.68	3 3/4		3 3/4			
4	2,211.16	4	1,846.77	4	1,482.40	4	1,118.55	4	754.94	4	391.19	4	42.05	4		4			
4 1/4	2,203.57	4 1/4	1,839.18	4 1/4	1,474.81	4 1/4	1,110.98	4 1/4	747.37	4 1/4	383.60	4 1/4	37.45	4 1/4		4 1/4			
4 1/2	2,195.98	4 1/2	1,831.59	4 1/2	1,467.22	4 1/2	1,103.40	4 1/2	739.80	4 1/2	376.01	4 1/2	32.84	4 1/2		4 1/2			
4 3/4	2,188.38	4 3/4	1,824.00	4 3/4	1,459.63	4 3/4	1,095.82	4 3/4	732.23	4 3/4	368.42	4 3/4	28.24	4 3/4		4 3/4			
5	2,180.79	5	1,816.41	5	1,452.04	5	1,088.24	5	724.66	5	360.83	5	23.64	5		5			
5 1/4	2,173.20	5 1/4	1,808.82	5 1/4	1,444.45	5 1/4	1,080.67	5 1/4	717.09	5 1/4	353.24	5 1/4	19.04	5 1/4		5 1/4			
5 1/2	2,165.61	5 1/2	1,801.23	5 1/2	1,436.86	5 1/2	1,073.09	5 1/2	709.52	5 1/2	345.65	5 1/2	14.44	5 1/2		5 1/2			
5 3/4	2,158.01	5 3/4	1,793.64	5 3/4	1,429.27	5 3/4	1,065.51	5 3/4	701.95	5 3/4	338.06	5 3/4	9.84	5 3/4		5 3/4			
6	2,150.42	6	1,786.05	6	1,421.68	6	1,057.93	6	694.38	6	330.47	6	5.24	6		6			
6 1/4	2,142.83	6 1/4	1,778.46	6 1/4	1,414.10	6 1/4	1,050.36	6 1/4	686.81	6 1/4	322.88	6 1/4	0.64	6 1/4		6 1/4			
6 1/2	2,135.24	6 1/2	1,770.87	6 1/2	1,406.51	6 1/2	1,042.78	6 1/2	679.24	6 1/2	315.29	6 1/2		6 1/2		6 1/2			
6 3/4	2,127.65	6 3/4	1,763.27	6 3/4	1,398.93	6 3/4	1,035.20	6 3/4	671.67	6 3/4	307.69	6 3/4		6 3/4		6 3/4			
7	2,120.06	7	1,755.68	7	1,391.35	7	1,027.62	7	664.10	7	300.10	7		7		7			
7 1/4	2,112.47	7 1/4	1,748.09	7 1/4	1,383.78	7 1/4	1,020.05	7 1/4	656.53	7 1/4	292.51	7 1/4		7 1/4		7 1/4			
7 1/2	2,104.88	7 1/2	1,740.50	7 1/2	1,376.20	7 1/2	1,012.47	7 1/2	648.96	7 1/2	284.92	7 1/2		7 1/2		7 1/2			
7 3/4	2,097.28	7 3/4	1,732.91	7 3/4	1,368.62	7 3/4	1,004.89	7 3/4	641.39	7 3/4	277.34	7 3/4		7 3/4		7 3/4			
8	2,089.69	8	1,725.32	8	1,361.04	8	997.31	8	633.82	8	269.79	8		8		8			
8 1/4	2,082.10	8 1/4	1,717.73	8 1/4	1,353.47	8 1/4	989.74	8 1/4	626.25	8 1/4	262.23	8 1/4		8 1/4		8 1/4			
8 1/2	2,074.51	8 1/2	1,710.14	8 1/2	1,345.89	8 1/2	982.16	8 1/2	618.68	8 1/2	254.68	8 1/2		8 1/2		8 1/2			
8 3/4	2,066.91	8 3/4	1,702.54	8 3/4	1,338.31	8 3/4	974.58	8 3/4	611.11	8 3/4	247.12	8 3/4		8 3/4		8 3/4			
9	2,059.32	9	1,694.95	9	1,330.73	9	967.00	9	603.54	9	239.58	9		9		9			
9 1/4	2,051.73	9 1/4	1,687.36	9 1/4	1,323.15	9 1/4	959.43	9 1/4	595.97	9 1/4	232.01	9 1/4		9 1/4		9 1/4			
9 1/2	2,044.14	9 1/2	1,679.77	9 1/2	1,315.57	9 1/2	951.85	9 1/2	588.40	9 1/2	224.45	9 1/2		9 1/2		9 1/2			
9 3/4	2,036.55	9 3/4	1,672.18	9 3/4	1,307.99	9 3/4	944.27	9 3/4	580.82	9 3/4	216.89	9 3/4		9 3/4		9 3/4			
10	2,028.96	10	1,664.59	10	1,300.41	10	936.69	10	573.25	10	209.33	10		10		10			
10 1/4	2,021.37	10 1/4	1,657.00	10 1/4	1,292.84	10 1/4	929.12	10 1/4	565.68	10 1/4	201.78	10 1/4		10 1/4		10 1/4			
10 1/2	2,013.78	10 1/2	1,649.41	10 1/2	1,285.26	10 1/2	921.54	10 1/2	558.11	10 1/2	194.22	10 1/2		10 1/2		10 1/2			
10 3/4	2,006.19	10 3/4	1,641.81	10 3/4	1,277.68	10 3/4	913.96	10 3/4	550.53	10 3/4	186.66	10 3/4		10 3/4		10 3/4			
11	1,998.60	11	1,634.22	11	1,270.10	11	906.38	11	542.96	11	179.11	11		11		11			
11 1/4	1,991.01	11 1/4	1,626.63	11 1/4	1,262.53	11 1/4	898.80	11 1/4	535.39	11 1/4	171.55	11 1/4		11 1/4		11 1/4			
11 1/2	1,983.42	11 1/2	1,619.04	11 1/2	1,254.95	11 1/2	891.22	11 1/2	527.82	11 1/2	164.00	11 1/2		11 1/2		11 1/2			
11 3/4	1,975.82	11 3/4	1,611.45	11 3/4	1,247.37	11 3/4	883.65	11 3/4	520.24	11 3/4	156.44	11 3/4		11 3/4		11 3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/02/1983 31
DECK MEASUREMENTS: 02/03/2005 SW CL
REPRINTED: 02/06/2005 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2005

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



BARGE "KIRBY 29016"

2 STBD ULLAGE TABLE

FORMERLY "STCO 2801"

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

#	11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R
0	2,327.10	0	1,598.29	0	1,233.87	0	869.47	0	505.08	0	141.32	0						
1/4	2,319.51	1/4	1,595.11	1/4	1,226.28	1/4	861.98	1/4	497.49	1/4	133.77	1/4						
1/2	2,311.92	1/2	1,591.52	1/2	1,218.69	1/2	854.29	1/2	489.90	1/2	126.21	1/2						
3/4	2,304.33	3/4	1,587.93	3/4	1,211.10	3/4	846.70	3/4	482.31	3/4	118.69	3/4						
1	2,296.73	1	1,584.34	1	1,203.50	1	839.11	1	474.71	1	111.16	1						
1/4	2,289.14	1/4	1,580.75	1/4	1,195.91	1/4	831.52	1/4	467.12	1/4	103.64	1/4						
1/2	2,281.55	1/2	1,577.15	1/2	1,188.32	1/2	823.93	1/2	459.53	1/2	96.12	1/2						
3/4	2,273.96	3/4	1,573.56	3/4	1,180.73	3/4	816.34	3/4	451.94	3/4	89.37	3/4						
1	2,266.36	1	1,569.97	1	1,173.13	1	808.74	1	444.35	1	82.61	1						
1/4	2,258.77	1/4	1,566.38	1/4	1,165.54	1/4	801.15	1/4	436.76	1/4	75.86	1/4						
1/2	2,251.18	1/2	1,562.79	1/2	1,157.95	1/2	793.56	1/2	429.17	1/2	69.11	1/2						
3/4	2,243.59	3/4	1,559.20	3/4	1,150.36	3/4	785.97	3/4	421.58	3/4	63.42	3/4						
1	2,235.99	1	1,555.61	1	1,142.76	1	778.37	1	413.99	1	57.72	1						
1/4	2,228.40	1/4	1,552.02	1/4	1,135.17	1/4	770.78	1/4	406.39	1/4	52.03	1/4						
1/2	2,220.81	1/2	1,548.42	1/2	1,127.58	1/2	763.19	1/2	398.80	1/2	46.34	1/2						
3/4	2,213.22	3/4	1,544.83	3/4	1,119.99	3/4	755.60	3/4	391.21	3/4	41.81	3/4						
1	2,205.62	1	1,541.24	1	1,112.40	1	748.01	1	383.62	1	37.29	1						
1/4	2,198.03	1/4	1,537.65	1/4	1,104.81	1/4	740.42	1/4	376.03	1/4	32.76	1/4						
1/2	2,190.44	1/2	1,534.06	1/2	1,097.22	1/2	732.83	1/2	368.44	1/2	28.24	1/2						
3/4	2,182.85	3/4	1,530.47	3/4	1,089.63	3/4	725.24	3/4	360.85	3/4		3/4						
1	2,175.25	1	1,526.88	1	1,082.03	1	717.64	1	353.25	1		1						
1/4	2,167.66	1/4	1,523.29	1/4	1,074.44	1/4	710.05	1/4	345.66	1/4		1/4						
1/2	2,160.07	1/2	1,519.70	1/2	1,066.85	1/2	702.46	1/2	338.07	1/2		1/2						
3/4	2,152.48	3/4	1,516.11	3/4	1,059.26	3/4	694.87	3/4	330.48	3/4		3/4						
1	2,144.88	1	1,512.52	1	1,051.67	1	687.28	1	322.88	1		1						
1/4	2,137.29	1/4	1,508.93	1/4	1,044.08	1/4	679.69	1/4	315.29	1/4		1/4						
1/2	2,129.70	1/2	1,505.34	1/2	1,036.49	1/2	672.10	1/2	307.70	1/2		1/2						
3/4	2,122.11	3/4	1,501.75	3/4	1,028.90	3/4	664.51	3/4	300.11	3/4		3/4						
1	2,114.51	1	1,498.16	1	1,021.30	1	656.91	1	292.52	1		1						
1/4	2,106.92	1/4	1,494.57	1/4	1,013.71	1/4	649.32	1/4	284.94	1/4		1/4						
1/2	2,099.33	1/2	1,491.00	1/2	1,006.12	1/2	641.73	1/2	277.35	1/2		1/2						
3/4	2,091.74	3/4	1,487.41	3/4	998.53	3/4	634.14	3/4	269.79	3/4		3/4						
1	2,084.15	1	1,483.82	1	990.94	1	626.54	1	262.24	1		1						
1/4	2,076.56	1/4	1,480.23	1/4	983.35	1/4	618.95	1/4	254.68	1/4		1/4						
1/2	2,068.97	1/2	1,476.64	1/2	975.76	1/2	611.36	1/2	247.13	1/2		1/2						
3/4	2,061.38	3/4	1,473.05	3/4	968.17	3/4	603.77	3/4	239.57	3/4		3/4						
1	2,053.79	1	1,469.46	1	960.57	1	596.18	1	232.01	1		1						
1/4	2,046.20	1/4	1,465.87	1/4	952.98	1/4	588.59	1/4	224.46	1/4		1/4						
1/2	2,038.61	1/2	1,462.28	1/2	945.39	1/2	581.00	1/2	216.90	1/2		1/2						
3/4	2,031.02	3/4	1,458.69	3/4	937.80	3/4	573.41	3/4	209.34	3/4		3/4						
1	2,023.42	1	1,455.10	1	930.20	1	565.81	1	201.78	1		1						
1/4	2,015.83	1/4	1,451.51	1/4	922.61	1/4	558.22	1/4	194.23	1/4		1/4						
1/2	2,008.24	1/2	1,447.92	1/2	915.02	1/2	550.63	1/2	186.67	1/2		1/2						
3/4	2,000.65	3/4	1,444.33	3/4	907.43	3/4	543.04	3/4	179.11	3/4		3/4						
1	1,993.06	1	1,440.74	1	899.84	1	535.45	1	171.55	1		1						
1/4	1,985.47	1/4	1,437.15	1/4	892.25	1/4	527.86	1/4	164.00	1/4		1/4						
1/2	1,977.88	1/2	1,433.56	1/2	884.66	1/2	520.27	1/2	156.44	1/2		1/2						
3/4	1,970.29	3/4	1,430.00	3/4	877.07	3/4	512.68	3/4	148.88	3/4		3/4						

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED 02/02/1995 SH
DECK MEASUREMENTS 92037005 SW CL
REPRINTED 02/08/2003 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2005

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



BARGE "KIRBY 29016"

3 PORT ULLAGE TABLE

FORMERLY "STCO 2801"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 16'-04 1/4"									
N	H	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	4,462.00	4,206.02	3,939.49	3,684.14	3,455.58	3,206.89	2,847.54
14	14	0	0	0	4,456.77	4,200.57	3,933.84	3,658.36	3,358.10	2,999.41	2,640.04
12	12	0	0	0	4,451.53	4,195.10	3,928.18	3,652.58	3,350.64	2,891.93	2,632.55
34	34	0	0	0	4,446.29	4,189.64	3,922.52	3,646.80	3,343.19	2,884.45	2,625.05
1	1	1	1	1	4,441.04	4,184.17	3,916.85	3,641.02	3,335.73	2,876.97	2,617.56
14	14	1	1	1	4,435.80	4,178.70	3,911.19	3,635.24	3,328.27	2,869.49	2,610.06
12	12	1	1	1	4,430.54	4,173.21	3,905.51	3,629.46	3,320.81	2,862.01	2,602.57
34	34	1	1	1	4,425.28	4,167.73	3,899.84	3,623.68	3,313.36	2,854.53	2,595.07
2	2	2	2	2	4,420.01	4,162.24	3,894.16	3,617.90	3,305.90	2,847.05	2,587.58
14	14	2	2	2	4,414.75	4,156.75	3,888.48	3,612.12	3,298.44	2,839.57	2,580.08
12	12	2	2	2	4,409.48	4,151.25	3,882.79	3,606.34	3,290.98	2,832.09	2,572.59
34	34	2	2	2	4,404.20	4,145.76	3,877.11	3,600.56	3,283.53	2,824.61	2,565.09
3	3	3	3	3	4,398.93	4,140.26	3,871.42	3,594.77	3,276.07	2,817.13	2,557.60
14	14	3	3	3	4,393.65	4,134.76	3,865.73	3,588.99	3,268.61	2,809.65	2,550.10
12	12	3	3	3	4,388.36	4,129.25	3,860.02	3,583.21	3,261.15	2,802.17	2,542.61
34	34	3	3	3	4,383.06	4,123.74	3,854.31	3,577.43	3,253.70	2,794.69	2,535.11
4	4	4	4	4	4,377.77	4,118.22	3,848.59	3,571.65	3,246.24	2,787.21	2,527.62
14	14	4	4	4	4,372.47	4,112.71	3,842.88	3,565.87	3,238.78	2,779.73	2,520.12
12	12	4	4	4	4,367.16	4,107.19	3,837.16	3,560.09	3,231.31	2,772.25	2,512.62
34	34	4	4	4	4,361.85	4,101.66	3,831.44	3,554.31	3,223.84	2,764.78	2,505.13
5	5	5	5	5	4,356.54	4,096.14	3,825.71	3,548.53	3,216.36	2,757.30	2,497.63
14	14	5	5	5	4,351.23	4,090.61	3,819.99	3,542.75	3,208.89	2,749.82	2,490.13
12	12	5	5	5	4,345.90	4,085.07	3,814.24	3,536.97	3,201.41	2,742.34	2,482.64
34	34	5	5	5	4,340.58	4,079.52	3,808.50	3,531.19	3,193.93	2,734.86	2,475.14
6	6	6	6	6	4,335.25	4,073.98	3,802.75	3,525.41	3,186.44	2,727.38	2,467.65
14	14	6	6	6	4,329.92	4,068.43	3,797.00	3,519.63	3,178.96	2,719.90	2,460.15
12	12	6	6	6	4,324.58	4,062.87	3,791.24	3,513.84	3,171.48	2,712.41	2,452.66
34	34	6	6	6	4,319.24	4,057.32	3,785.48	3,508.04	3,163.99	2,704.92	2,445.16
7	7	7	7	7	4,313.89	4,051.76	3,779.71	3,502.25	3,156.51	2,707.43	2,437.67
14	14	7	7	7	4,308.55	4,046.20	3,773.95	3,496.45	3,149.02	2,709.94	2,430.17
12	12	7	7	7	4,303.19	4,040.61	3,768.18	3,490.34	3,141.54	2,702.45	2,422.68
34	34	7	7	7	4,297.83	4,035.03	3,762.40	3,484.23	3,134.06	2,704.95	2,415.18
8	8	8	8	8	4,292.46	4,029.44	3,756.63	3,478.12	3,126.57	2,707.46	2,407.69
14	14	8	8	8	4,287.10	4,023.85	3,750.85	3,472.01	3,119.09	2,709.96	2,400.19
12	12	8	8	8	4,281.73	4,018.25	3,745.07	3,465.45	3,111.61	2,712.47	2,392.70
34	34	8	8	8	4,276.35	4,012.66	3,739.29	3,458.90	3,104.13	2,714.99	2,385.20
9	9	9	9	9	4,270.98	4,007.06	3,733.51	3,452.34	3,096.65	2,717.48	2,377.71
14	14	9	9	9	4,265.60	4,001.46	3,727.73	3,445.78	3,089.17	2,729.98	2,370.21
12	12	9	9	9	4,260.21	3,995.84	3,721.95	3,439.19	3,081.69	2,732.49	2,362.72
34	34	9	9	9	4,254.81	3,990.22	3,716.17	3,432.58	3,074.21	2,734.99	2,355.22
10	10	10	10	10	4,249.42	3,984.60	3,710.39	3,425.97	3,066.73	2,737.50	2,347.73
14	14	10	10	10	4,244.02	3,978.98	3,704.61	3,419.35	3,059.25	2,740.00	2,340.23
12	12	10	10	10	4,238.61	3,973.35	3,698.83	3,412.72	3,051.77	2,742.51	2,332.74
34	34	10	10	10	4,233.20	3,967.72	3,693.05	3,406.09	3,044.29	2,744.97	2,325.24
11	11	11	11	11	4,227.79	3,962.08	3,687.26	3,399.46	3,036.81	2,747.48	2,317.75
14	14	11	11	11	4,222.38	3,956.45	3,681.48	3,392.83	3,029.33	2,750.00	2,310.25
12	12	11	11	11	4,216.93	3,950.80	3,675.70	3,386.20	3,021.85	2,752.51	2,302.76
34	34	11	11	11	4,211.48	3,945.15	3,669.92	3,379.57	3,014.37	2,755.03	2,295.26

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29016"

3 PORT ULLAGE TABLE

FORMERLY "STCO 2801"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 16'-04 1/4"													
		10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.				
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	0	1,928.11	0	1,589.15	0	1,210.19	0	851.16	0	492.06	0	132.32	0	0	0
1/4	1/4	1,920.27	1/4	1,561.67	1/4	1,202.71	1/4	843.68	1/4	484.57	1/4	124.93	1/4	1/4	1/4
1/2	1/2	1,913.13	1/2	1,554.19	1/2	1,195.23	1/2	836.20	1/2	477.07	1/2	117.37	1/2	1/2	1/2
3/4	3/4	1,905.64	3/4	1,546.72	3/4	1,187.75	3/4	828.72	3/4	469.59	3/4	109.92	3/4	3/4	3/4
1	1	1,898.14	1	1,539.24	1	1,180.27	1	821.24	1	462.10	1	102.46	1	1	1
1 1/4	1 1/4	1,890.65	1 1/4	1,531.76	1 1/4	1,172.79	1 1/4	813.76	1 1/4	454.61	1 1/4	95.00	1 1/4	1 1/4	1 1/4
1 1/2	1 1/2	1,883.17	1 1/2	1,524.28	1 1/2	1,165.31	1 1/2	806.28	1 1/2	447.12	1 1/2	88.33	1 1/2	1 1/2	1 1/2
1 3/4	1 3/4	1,875.69	1 3/4	1,516.80	1 3/4	1,157.83	1 3/4	798.81	1 3/4	439.62	1 3/4	81.66	1 3/4	1 3/4	1 3/4
2	2	1,868.20	2	1,509.32	2	1,150.35	2	791.33	2	432.13	2	74.98	2	2	2
2 1/4	2 1/4	1,860.72	2 1/4	1,501.84	2 1/4	1,142.87	2 1/4	783.85	2 1/4	424.63	2 1/4	68.31	2 1/4	2 1/4	2 1/4
2 1/2	2 1/2	1,853.25	2 1/2	1,494.36	2 1/2	1,135.39	2 1/2	776.37	2 1/2	417.14	2 1/2	62.68	2 1/2	2 1/2	2 1/2
2 3/4	2 3/4	1,845.77	2 3/4	1,486.89	2 3/4	1,127.91	2 3/4	768.89	2 3/4	409.64	2 3/4	57.06	2 3/4	2 3/4	2 3/4
3	3	1,838.30	3	1,479.41	3	1,120.43	3	761.41	3	402.15	3	51.43	3	3	3
3 1/4	3 1/4	1,830.82	3 1/4	1,471.93	3 1/4	1,112.95	3 1/4	753.93	3 1/4	394.65	3 1/4	45.80	3 1/4	3 1/4	3 1/4
3 1/2	3 1/2	1,823.34	3 1/2	1,464.45	3 1/2	1,105.47	3 1/2	746.45	3 1/2	387.15	3 1/2	41.33	3 1/2	3 1/2	3 1/2
3 3/4	3 3/4	1,815.87	3 3/4	1,456.98	3 3/4	1,097.99	3 3/4	738.97	3 3/4	379.66	3 3/4	36.86	3 3/4	3 3/4	3 3/4
4	4	1,808.39	4	1,449.50	4	1,090.51	4	731.49	4	372.16	4	32.38	4	4	4
4 1/4	4 1/4	1,800.91	4 1/4	1,442.02	4 1/4	1,083.03	4 1/4	724.01	4 1/4	364.66	4 1/4	27.91	4 1/4	4 1/4	4 1/4
4 1/2	4 1/2	1,793.44	4 1/2	1,434.54	4 1/2	1,075.55	4 1/2	716.53	4 1/2	357.17	4 1/2	23.43	4 1/2	4 1/2	4 1/2
4 3/4	4 3/4	1,785.96	4 3/4	1,427.07	4 3/4	1,068.07	4 3/4	709.05	4 3/4	349.67	4 3/4	18.95	4 3/4	4 3/4	4 3/4
5	5	1,778.49	5	1,419.59	5	1,060.59	5	701.57	5	342.18	5	14.47	5	5	5
5 1/4	5 1/4	1,771.01	5 1/4	1,412.11	5 1/4	1,053.11	5 1/4	694.09	5 1/4	334.68	5 1/4	9.99	5 1/4	5 1/4	5 1/4
5 1/2	5 1/2	1,763.54	5 1/2	1,404.63	5 1/2	1,045.63	5 1/2	686.61	5 1/2	327.18	5 1/2	5.51	5 1/2	5 1/2	5 1/2
5 3/4	5 3/4	1,756.06	5 3/4	1,397.16	5 3/4	1,038.15	5 3/4	679.14	5 3/4	319.69	5 3/4	1.03	5 3/4	5 3/4	5 3/4
6	6	1,748.59	6	1,389.68	6	1,030.67	6	671.66	6	312.19	6	0.55	6	6	6
6 1/4	6 1/4	1,741.11	6 1/4	1,382.20	6 1/4	1,023.19	6 1/4	664.18	6 1/4	304.69	6 1/4	0.07	6 1/4	6 1/4	6 1/4
6 1/2	6 1/2	1,733.63	6 1/2	1,374.72	6 1/2	1,015.71	6 1/2	656.70	6 1/2	297.20	6 1/2	0.59	6 1/2	6 1/2	6 1/2
6 3/4	6 3/4	1,726.16	6 3/4	1,367.25	6 3/4	1,008.23	6 3/4	649.23	6 3/4	289.70	6 3/4	0.11	6 3/4	6 3/4	6 3/4
7	7	1,718.68	7	1,359.77	7	1,000.75	7	641.75	7	282.21	7	0.63	7	7	7
7 1/4	7 1/4	1,711.20	7 1/4	1,352.29	7 1/4	993.27	7 1/4	634.27	7 1/4	274.71	7 1/4	0.15	7 1/4	7 1/4	7 1/4
7 1/2	7 1/2	1,703.73	7 1/2	1,344.81	7 1/2	985.79	7 1/2	626.79	7 1/2	267.22	7 1/2	0.67	7 1/2	7 1/2	7 1/2
7 3/4	7 3/4	1,696.25	7 3/4	1,337.34	7 3/4	978.32	7 3/4	619.31	7 3/4	259.72	7 3/4	0.19	7 3/4	7 3/4	7 3/4
8	8	1,688.78	8	1,329.86	8	970.84	8	611.82	8	252.23	8	0.71	8	8	8
8 1/4	8 1/4	1,681.30	8 1/4	1,322.38	8 1/4	963.36	8 1/4	604.34	8 1/4	244.73	8 1/4	0.23	8 1/4	8 1/4	8 1/4
8 1/2	8 1/2	1,673.83	8 1/2	1,314.90	8 1/2	955.88	8 1/2	596.86	8 1/2	237.24	8 1/2	0.75	8 1/2	8 1/2	8 1/2
8 3/4	8 3/4	1,666.35	8 3/4	1,307.43	8 3/4	948.40	8 3/4	589.37	8 3/4	229.74	8 3/4	0.27	8 3/4	8 3/4	8 3/4
9	9	1,658.88	9	1,299.95	9	940.92	9	581.89	9	222.25	9	0.79	9	9	9
9 1/4	9 1/4	1,651.40	9 1/4	1,292.47	9 1/4	933.44	9 1/4	574.40	9 1/4	214.75	9 1/4	0.31	9 1/4	9 1/4	9 1/4
9 1/2	9 1/2	1,643.92	9 1/2	1,284.99	9 1/2	925.96	9 1/2	566.92	9 1/2	207.26	9 1/2	0.83	9 1/2	9 1/2	9 1/2
9 3/4	9 3/4	1,636.45	9 3/4	1,277.51	9 3/4	918.48	9 3/4	559.43	9 3/4	199.76	9 3/4	0.35	9 3/4	9 3/4	9 3/4
10	10	1,628.97	10	1,270.03	10	911.00	10	551.95	10	192.27	10	0.87	10	10	10
10 1/4	10 1/4	1,621.49	10 1/4	1,262.55	10 1/4	903.52	10 1/4	544.46	10 1/4	184.77	10 1/4	0.39	10 1/4	10 1/4	10 1/4
10 1/2	10 1/2	1,614.01	10 1/2	1,255.07	10 1/2	896.04	10 1/2	536.98	10 1/2	177.28	10 1/2	0.91	10 1/2	10 1/2	10 1/2
10 3/4	10 3/4	1,606.54	10 3/4	1,247.59	10 3/4	888.56	10 3/4	529.49	10 3/4	169.79	10 3/4	0.43	10 3/4	10 3/4	10 3/4
11	11	1,598.06	11	1,240.11	11	881.08	11	522.01	11	162.29	11	0.95	11	11	11
11 1/4	11 1/4	1,591.58	11 1/4	1,232.63	11 1/4	873.60	11 1/4	514.52	11 1/4	154.80	11 1/4	0.47	11 1/4	11 1/4	11 1/4
11 1/2	11 1/2	1,584.10	11 1/2	1,225.15	11 1/2	866.12	11 1/2	507.03	11 1/2	147.31	11 1/2	0.99	11 1/2	11 1/2	11 1/2
11 3/4	11 3/4	1,576.63	11 3/4	1,217.67	11 3/4	858.64	11 3/4	499.55	11 3/4	139.82	11 3/4	0.51	11 3/4	11 3/4	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 02/02/1995 SJ
DECK MEASUREMENTS: 02/03/2005 SW CL
REPRINTED: 02/08/2005 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29016"

3 STBD ULLAGE TABLE

FORMERLY "STCO 2801"
GAUGE HEIGHT 16'-04 1/2" 18 FT.

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.	
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	2,306.25	0	1,945.18	0	1,583.99	0	1,222.79	0	861.62	0	500.49	0	140.03	0		0	
1/4	2,298.73	1/4	1,937.66	1/4	1,576.46	1/4	1,215.26	1/4	854.10	1/4	492.97	1/4	132.54	1/4		1/4	
1/2	2,291.21	1/2	1,930.14	1/2	1,568.94	1/2	1,207.74	1/2	846.58	1/2	485.45	1/2	125.06	1/2		1/2	
3/4	2,283.69	3/4	1,922.61	3/4	1,561.41	3/4	1,200.22	3/4	839.05	3/4	477.93	3/4	117.57	3/4		3/4	
1	2,276.16	1	1,915.09	1	1,553.89	1	1,192.69	1	831.53	1	470.40	1	110.08	1		1	
1/4	2,268.64	1/4	1,907.56	1/4	1,546.36	1/4	1,185.17	1/4	824.00	1/4	462.88	1/4	102.59	1/4		1/4	
1/2	2,261.12	1/2	1,900.04	1/2	1,538.84	1/2	1,177.65	1/2	816.48	1/2	455.36	1/2	95.11	1/2		1/2	
3/4	2,253.60	3/4	1,892.51	3/4	1,531.31	3/4	1,170.12	3/4	808.95	3/4	447.84	3/4	88.64	3/4		3/4	
1	2,246.08	1	1,884.99	1	1,523.79	1	1,162.60	1	801.43	1	440.31	1	81.85	1		1	
1/4	2,238.56	1/4	1,877.46	1/4	1,516.26	1/4	1,155.07	1/4	793.90	1/4	432.79	1/4	75.05	1/4		1/4	
1/2	2,231.04	1/2	1,869.94	1/2	1,508.74	1/2	1,147.55	1/2	786.38	1/2	425.27	1/2	68.76	1/2		1/2	
3/4	2,223.52	3/4	1,862.41	3/4	1,501.21	3/4	1,140.02	3/4	778.86	3/4	417.75	3/4	62.97	3/4		3/4	
1	2,215.99	1	1,854.89	1	1,493.69	1	1,132.50	1	771.33	1	410.22	1	57.19	1		1	
1/4	2,208.47	1/4	1,847.36	1/4	1,486.16	1/4	1,124.97	1/4	763.81	1/4	402.70	1/4	51.40	1/4		1/4	
1/2	2,200.95	1/2	1,839.84	1/2	1,478.64	1/2	1,117.45	1/2	756.29	1/2	395.18	1/2	46.23	1/2		1/2	
3/4	2,193.43	3/4	1,832.31	3/4	1,471.11	3/4	1,109.92	3/4	748.76	3/4	387.66	3/4	41.67	3/4		3/4	
1	2,185.90	1	1,824.79	1	1,463.59	1	1,102.40	1	741.24	1	380.14	1	37.10	1		1	
1/4	2,178.38	1/4	1,817.26	1/4	1,456.06	1/4	1,094.87	1/4	733.71	1/4	372.62	1/4	32.54	1/4		1/4	
1/2	2,170.86	1/2	1,809.74	1/2	1,448.54	1/2	1,087.35	1/2	726.19	1/2	365.10	1/2	27.98	1/2		1/2	
3/4	2,163.34	3/4	1,802.21	3/4	1,441.01	3/4	1,079.82	3/4	718.66	3/4	357.58	3/4	23.42	3/4		3/4	
1	2,155.81	1	1,794.69	1	1,433.49	1	1,072.30	1	711.14	1	350.05	1	18.86	1		1	
1/4	2,148.29	1/4	1,787.16	1/4	1,425.96	1/4	1,064.77	1/4	703.61	1/4	342.53	1/4	14.29	1/4		1/4	
1/2	2,140.77	1/2	1,779.64	1/2	1,418.44	1/2	1,057.25	1/2	696.09	1/2	335.01	1/2	9.72	1/2		1/2	
3/4	2,133.25	3/4	1,772.11	3/4	1,410.91	3/4	1,049.73	3/4	688.57	3/4	327.48	3/4	5.15	3/4		3/4	
1	2,125.72	1	1,764.59	1	1,403.39	1	1,042.20	1	681.04	1	319.96	1	0.58	1		1	
1/4	2,118.20	1/4	1,757.06	1/4	1,395.86	1/4	1,034.68	1/4	673.52	1/4	312.43	1/4	0.01	1/4		1/4	
1/2	2,110.68	1/2	1,749.54	1/2	1,388.34	1/2	1,027.16	1/2	666.00	1/2	304.91	1/2	0.00	1/2		1/2	
3/4	2,103.16	3/4	1,742.01	3/4	1,380.81	3/4	1,019.63	3/4	658.47	3/4	297.39	3/4	0.00	3/4		3/4	
1	2,095.63	1	1,734.49	1	1,373.29	1	1,012.11	1	650.95	1	289.86	1	0.00	1		1	
1/4	2,088.11	1/4	1,726.96	1/4	1,365.76	1/4	1,004.58	1/4	643.42	1/4	282.34	1/4	0.00	1/4		1/4	
1/2	2,080.59	1/2	1,719.44	1/2	1,358.24	1/2	997.06	1/2	635.90	1/2	274.84	1/2	0.00	1/2		1/2	
3/4	2,073.07	3/4	1,711.91	3/4	1,350.71	3/4	989.53	3/4	628.37	3/4	267.35	3/4	0.00	3/4		3/4	
1	2,065.55	1	1,704.39	1	1,343.19	1	982.01	1	620.85	1	259.86	1	0.00	1		1	
1/4	2,058.03	1/4	1,696.86	1/4	1,335.66	1/4	974.48	1/4	613.32	1/4	252.37	1/4	0.00	1/4		1/4	
1/2	2,050.51	1/2	1,689.34	1/2	1,328.14	1/2	966.96	1/2	605.80	1/2	244.88	1/2	0.00	1/2		1/2	
3/4	2,042.99	3/4	1,681.81	3/4	1,320.61	3/4	959.44	3/4	598.28	3/4	237.39	3/4	0.00	3/4		3/4	
1	2,035.46	1	1,674.29	1	1,313.09	1	951.91	1	590.75	1	229.90	1	0.00	1		1	
1/4	2,027.94	1/4	1,666.76	1/4	1,305.56	1/4	944.39	1/4	583.23	1/4	222.41	1/4	0.00	1/4		1/4	
1/2	2,020.42	1/2	1,659.24	1/2	1,298.04	1/2	936.87	1/2	575.71	1/2	214.92	1/2	0.00	1/2		1/2	
3/4	2,012.90	3/4	1,651.71	3/4	1,290.51	3/4	929.34	3/4	568.19	3/4	207.43	3/4	0.00	3/4		3/4	
1	2,005.37	1	1,644.19	1	1,282.99	1	921.82	1	560.66	1	199.94	1	0.00	1		1	
1/4	1,997.85	1/4	1,636.66	1/4	1,275.46	1/4	914.29	1/4	553.14	1/4	192.45	1/4	0.00	1/4		1/4	
1/2	1,990.33	1/2	1,629.14	1/2	1,267.94	1/2	906.77	1/2	545.62	1/2	184.96	1/2	0.00	1/2		1/2	
3/4	1,982.80	3/4	1,621.61	3/4	1,260.41	3/4	899.24	3/4	538.10	3/4	177.47	3/4	0.00	3/4		3/4	
1	1,975.28	1	1,614.09	1	1,252.89	1	891.72	1	530.57	1	169.98	1	0.00	1		1	
1/4	1,967.75	1/4	1,606.56	1/4	1,245.36	1/4	884.19	1/4	523.05	1/4	162.49	1/4	0.00	1/4		1/4	
1/2	1,960.23	1/2	1,599.04	1/2	1,237.84	1/2	876.67	1/2	515.53	1/2	155.01	1/2	0.00	1/2		1/2	
3/4	1,952.71	3/4	1,591.51	3/4	1,230.31	3/4	869.15	3/4	508.01	3/4	147.52	3/4	0.00	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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