



KIRBY 30403



Barge Strapping Tables





BARGE "KIRBY 30403"

ULLAGE TRIM TABLE

FORMERLY "HW 3039"

| | 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 | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 |
| 1 STBD | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 |
| 2 PORT | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 |
| 2 STBD | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 |
| 3 PORT | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 |
| 3 STBD | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 252'-00"

October 12, 2004

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

<http://www.pmacorp.net>



BARGE "KIRBY 30403"

1 PORT

ULLAGE TABLE

FORMERLY "HW 3039"

| CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS | | GAUGE HEIGHT 17'-11 7/8" | | | | | | | |
|--|-------|--------------------------|-------|-------|-------|-------|-------|-------|-------|
| 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 | 0 | 0 | 0 | 0 | 0 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 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 UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT (HERMETIC) LOCATED 13'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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





BARGE "KIRBY 30403"

1 PORT ULLAGE TABLE

Table with columns for GAUGE HEIGHT (17-11 7/8" and 19 FT.) and rows for CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS (10 FT. to 19 FT.).

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED 08281995 CTC DECK MEASUREMENTS 10/12/2004 SW REPRINTED 11/12/2004 SW CANCELS AND SUPERCEDES ALL PRIOR TO 11/2004

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

Signature



BARGE "KIRBY 30403"

1 STBD ULLAGE TABLE

FORMERLY "HW 3039"

| CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS | | GAUGE HEIGHT 18'-00" 1/2" | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----|---------------------------|----|----|-------|----|----|-------|----|----|-------|----|----|-------|----|----|-------|----|----|-------|----|----|-------|----|----|-------|----|----|----|----|
| 0 FT. | | 1 FT. | | | 2 FT. | | | 3 FT. | | | 4 FT. | | | 5 FT. | | | 6 FT. | | | 7 FT. | | | 8 FT. | | | 9 FT. | | | | |
| N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W | N | W | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 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 | 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 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 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 | 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 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 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 | 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 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 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 | 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 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT (HERMETIC) LOCATED 17'-07" OFF CENTERLINE AND 41'-00" 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.pimacorp.net

[Signature]



BARGE "KIRBY 30403"

1 STBD ULLAGE TABLE

FORMERLY "HW 3039"

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

| N | 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| | M | K | M | K | M | K | M | K | M | K | M | K | M | K | M | K | M | K | M | K |
| 0 | 2,910.73 | 0 | 2,549.81 | 0 | 2,188.77 | 0 | 1,827.72 | 0 | 1,466.69 | 0 | 1,105.64 | 0 | 744.63 | 0 | 383.74 | 0 | 27.71 | 0 | | |
| 1/4 | 2,903.21 | 1/4 | 2,542.28 | 1/4 | 2,181.25 | 1/4 | 1,820.21 | 1/4 | 1,459.17 | 1/4 | 1,098.12 | 1/4 | 737.11 | 1/4 | 376.21 | 1/4 | 22.07 | 1/4 | | |
| 1/2 | 2,895.69 | 1/2 | 2,534.76 | 1/2 | 2,173.74 | 1/2 | 1,812.69 | 1/2 | 1,451.64 | 1/2 | 1,090.59 | 1/2 | 729.59 | 1/2 | 368.69 | 1/2 | 16.43 | 1/2 | | |
| 3/4 | 2,888.17 | 3/4 | 2,527.24 | 3/4 | 2,166.21 | 3/4 | 1,805.17 | 3/4 | 1,444.12 | 3/4 | 1,083.08 | 3/4 | 722.08 | 3/4 | 361.17 | 3/4 | | 3/4 | | |
| 1 | 2,880.65 | 1 | 2,519.72 | 1 | 2,158.69 | 1 | 1,797.64 | 1 | 1,436.59 | 1 | 1,075.56 | 1 | 714.56 | 1 | 353.65 | 1 | | 1 | | |
| 1 1/4 | 2,873.14 | 1 1/4 | 2,512.21 | 1 1/4 | 2,151.17 | 1 1/4 | 1,790.12 | 1 1/4 | 1,429.07 | 1 1/4 | 1,068.04 | 1 1/4 | 707.04 | 1 1/4 | 346.14 | 1 1/4 | | 1 1/4 | | |
| 1 1/2 | 2,865.62 | 1 1/2 | 2,504.69 | 1 1/2 | 2,143.64 | 1 1/2 | 1,782.59 | 1 1/2 | 1,421.55 | 1 1/2 | 1,060.52 | 1 1/2 | 699.52 | 1 1/2 | 338.62 | 1 1/2 | | 1 1/2 | | |
| 1 3/4 | 2,858.10 | 1 3/4 | 2,497.17 | 1 3/4 | 2,136.12 | 1 3/4 | 1,775.08 | 1 3/4 | 1,414.03 | 1 3/4 | 1,053.00 | 1 3/4 | 692.00 | 1 3/4 | 331.09 | 1 3/4 | | 1 3/4 | | |
| 2 | 2,850.58 | 2 | 2,489.64 | 2 | 2,128.59 | 2 | 1,767.56 | 2 | 1,406.51 | 2 | 1,045.47 | 2 | 684.49 | 2 | 323.57 | 2 | | 2 | | |
| 2 1/4 | 2,843.07 | 2 1/4 | 2,482.12 | 2 1/4 | 2,121.07 | 2 1/4 | 1,760.04 | 2 1/4 | 1,398.99 | 2 1/4 | 1,037.95 | 2 1/4 | 676.97 | 2 1/4 | 316.05 | 2 1/4 | | 2 1/4 | | |
| 2 1/2 | 2,835.55 | 2 1/2 | 2,474.59 | 2 1/2 | 2,113.55 | 2 1/2 | 1,752.52 | 2 1/2 | 1,391.47 | 2 1/2 | 1,030.43 | 2 1/2 | 669.45 | 2 1/2 | 308.52 | 2 1/2 | | 2 1/2 | | |
| 2 3/4 | 2,828.03 | 2 3/4 | 2,467.07 | 2 3/4 | 2,106.03 | 2 3/4 | 1,745.00 | 2 3/4 | 1,383.95 | 2 3/4 | 1,022.90 | 2 3/4 | 661.94 | 2 3/4 | 301.00 | 2 3/4 | | 2 3/4 | | |
| 3 | 2,820.51 | 3 | 2,459.55 | 3 | 2,098.51 | 3 | 1,737.47 | 3 | 1,376.43 | 3 | 1,015.38 | 3 | 654.43 | 3 | 293.47 | 3 | | 3 | | |
| 3 1/4 | 2,812.99 | 3 1/4 | 2,452.02 | 3 1/4 | 2,090.99 | 3 1/4 | 1,729.95 | 3 1/4 | 1,368.90 | 3 1/4 | 1,007.86 | 3 1/4 | 646.91 | 3 1/4 | 285.95 | 3 1/4 | | 3 1/4 | | |
| 3 1/2 | 2,805.48 | 3 1/2 | 2,444.50 | 3 1/2 | 2,083.47 | 3 1/2 | 1,722.43 | 3 1/2 | 1,361.38 | 3 1/2 | 1,000.33 | 3 1/2 | 639.40 | 3 1/2 | 278.43 | 3 1/2 | | 3 1/2 | | |
| 3 3/4 | 2,797.96 | 3 3/4 | 2,436.98 | 3 3/4 | 2,075.95 | 3 3/4 | 1,714.90 | 3 3/4 | 1,353.86 | 3 3/4 | 992.81 | 3 3/4 | 631.88 | 3 3/4 | 270.91 | 3 3/4 | | 3 3/4 | | |
| 4 | 2,790.44 | 4 | 2,429.46 | 4 | 2,068.43 | 4 | 1,707.38 | 4 | 1,346.33 | 4 | 985.30 | 4 | 624.37 | 4 | 263.39 | 4 | | 4 | | |
| 4 1/4 | 2,782.92 | 4 1/4 | 2,421.95 | 4 1/4 | 2,060.90 | 4 1/4 | 1,699.86 | 4 1/4 | 1,338.81 | 4 1/4 | 977.78 | 4 1/4 | 616.85 | 4 1/4 | 255.87 | 4 1/4 | | 4 1/4 | | |
| 4 1/2 | 2,775.40 | 4 1/2 | 2,414.43 | 4 1/2 | 2,053.38 | 4 1/2 | 1,692.33 | 4 1/2 | 1,331.28 | 4 1/2 | 970.26 | 4 1/2 | 609.33 | 4 1/2 | 248.36 | 4 1/2 | | 4 1/2 | | |
| 4 3/4 | 2,767.89 | 4 3/4 | 2,406.90 | 4 3/4 | 2,045.86 | 4 3/4 | 1,684.81 | 4 3/4 | 1,323.77 | 4 3/4 | 962.74 | 4 3/4 | 601.81 | 4 3/4 | 240.83 | 4 3/4 | | 4 3/4 | | |
| 5 | 2,760.37 | 5 | 2,399.38 | 5 | 2,038.33 | 5 | 1,677.30 | 5 | 1,316.25 | 5 | 955.21 | 5 | 594.30 | 5 | 233.31 | 5 | | 5 | | |
| 5 1/4 | 2,752.85 | 5 1/4 | 2,391.86 | 5 1/4 | 2,030.81 | 5 1/4 | 1,669.78 | 5 1/4 | 1,308.73 | 5 1/4 | 947.69 | 5 1/4 | 586.78 | 5 1/4 | 225.78 | 5 1/4 | | 5 1/4 | | |
| 5 1/2 | 2,745.33 | 5 1/2 | 2,384.33 | 5 1/2 | 2,023.28 | 5 1/2 | 1,662.26 | 5 1/2 | 1,301.21 | 5 1/2 | 940.17 | 5 1/2 | 579.26 | 5 1/2 | 218.26 | 5 1/2 | | 5 1/2 | | |
| 5 3/4 | 2,737.81 | 5 3/4 | 2,376.81 | 5 3/4 | 2,015.77 | 5 3/4 | 1,654.74 | 5 3/4 | 1,293.69 | 5 3/4 | 932.64 | 5 3/4 | 571.74 | 5 3/4 | 210.74 | 5 3/4 | | 5 3/4 | | |
| 6 | 2,730.30 | 6 | 2,369.28 | 6 | 2,008.25 | 6 | 1,647.21 | 6 | 1,286.17 | 6 | 925.12 | 6 | 564.22 | 6 | 203.22 | 6 | | 6 | | |
| 6 1/4 | 2,722.78 | 6 1/4 | 2,361.76 | 6 1/4 | 2,000.73 | 6 1/4 | 1,639.69 | 6 1/4 | 1,278.64 | 6 1/4 | 917.59 | 6 1/4 | 556.71 | 6 1/4 | 195.71 | 6 1/4 | | 6 1/4 | | |
| 6 1/2 | 2,715.26 | 6 1/2 | 2,354.24 | 6 1/2 | 1,993.21 | 6 1/2 | 1,632.17 | 6 1/2 | 1,271.12 | 6 1/2 | 910.07 | 6 1/2 | 549.19 | 6 1/2 | 188.19 | 6 1/2 | | 6 1/2 | | |
| 6 3/4 | 2,707.74 | 6 3/4 | 2,346.72 | 6 3/4 | 1,985.69 | 6 3/4 | 1,624.64 | 6 3/4 | 1,263.60 | 6 3/4 | 902.55 | 6 3/4 | 541.67 | 6 3/4 | 180.67 | 6 3/4 | | 6 3/4 | | |
| 7 | 2,700.22 | 7 | 2,339.20 | 7 | 1,978.17 | 7 | 1,617.12 | 7 | 1,256.08 | 7 | 895.03 | 7 | 534.15 | 7 | 173.14 | 7 | | 7 | | |
| 7 1/4 | 2,692.71 | 7 1/4 | 2,331.68 | 7 1/4 | 1,970.64 | 7 1/4 | 1,609.59 | 7 1/4 | 1,248.56 | 7 1/4 | 887.52 | 7 1/4 | 526.64 | 7 1/4 | 165.62 | 7 1/4 | | 7 1/4 | | |
| 7 1/2 | 2,685.19 | 7 1/2 | 2,324.17 | 7 1/2 | 1,963.12 | 7 1/2 | 1,602.07 | 7 1/2 | 1,241.05 | 7 1/2 | 880.00 | 7 1/2 | 519.12 | 7 1/2 | 158.09 | 7 1/2 | | 7 1/2 | | |
| 7 3/4 | 2,677.67 | 7 3/4 | 2,316.64 | 7 3/4 | 1,955.59 | 7 3/4 | 1,594.55 | 7 3/4 | 1,233.52 | 7 3/4 | 872.47 | 7 3/4 | 511.60 | 7 3/4 | 150.57 | 7 3/4 | | 7 3/4 | | |
| 8 | 2,670.15 | 8 | 2,309.12 | 8 | 1,948.07 | 8 | 1,587.03 | 8 | 1,226.00 | 8 | 864.95 | 8 | 504.08 | 8 | 143.05 | 8 | | 8 | | |
| 8 1/4 | 2,662.64 | 8 1/4 | 2,301.59 | 8 1/4 | 1,940.55 | 8 1/4 | 1,579.52 | 8 1/4 | 1,218.47 | 8 1/4 | 857.43 | 8 1/4 | 496.56 | 8 1/4 | 135.52 | 8 1/4 | | 8 1/4 | | |
| 8 1/2 | 2,655.12 | 8 1/2 | 2,294.07 | 8 1/2 | 1,933.02 | 8 1/2 | 1,572.00 | 8 1/2 | 1,210.95 | 8 1/2 | 849.90 | 8 1/2 | 489.05 | 8 1/2 | 128.00 | 8 1/2 | | 8 1/2 | | |
| 8 3/4 | 2,647.59 | 8 3/4 | 2,286.55 | 8 3/4 | 1,925.50 | 8 3/4 | 1,564.47 | 8 3/4 | 1,203.43 | 8 3/4 | 842.38 | 8 3/4 | 481.52 | 8 3/4 | 120.48 | 8 3/4 | | 8 3/4 | | |
| 9 | 2,640.07 | 9 | 2,279.02 | 9 | 1,917.99 | 9 | 1,556.95 | 9 | 1,195.90 | 9 | 834.86 | 9 | 474.00 | 9 | 112.96 | 9 | | 9 | | |
| 9 1/4 | 2,632.55 | 9 1/4 | 2,271.50 | 9 1/4 | 1,910.47 | 9 1/4 | 1,549.43 | 9 1/4 | 1,188.38 | 9 1/4 | 827.33 | 9 1/4 | 466.47 | 9 1/4 | 105.45 | 9 1/4 | | 9 1/4 | | |
| 9 1/2 | 2,625.02 | 9 1/2 | 2,263.97 | 9 1/2 | 1,902.95 | 9 1/2 | 1,541.90 | 9 1/2 | 1,180.86 | 9 1/2 | 819.81 | 9 1/2 | 458.95 | 9 1/2 | 97.93 | 9 1/2 | | 9 1/2 | | |
| 9 3/4 | 2,617.50 | 9 3/4 | 2,256.46 | 9 3/4 | 1,895.43 | 9 3/4 | 1,534.38 | 9 3/4 | 1,173.34 | 9 3/4 | 812.29 | 9 3/4 | 451.43 | 9 3/4 | 90.40 | 9 3/4 | | 9 3/4 | | |
| 10 | 2,609.99 | 10 | 2,248.94 | 10 | 1,887.90 | 10 | 1,526.86 | 10 | 1,165.82 | 10 | 804.77 | 10 | 443.92 | 10 | 82.88 | 10 | | 10 | | |
| 10 1/4 | 2,602.47 | 10 1/4 | 2,241.42 | 10 1/4 | 1,880.38 | 10 1/4 | 1,519.33 | 10 1/4 | 1,158.30 | 10 1/4 | 797.26 | 10 1/4 | 436.40 | 10 1/4 | 75.36 | 10 1/4 | | 10 1/4 | | |
| 10 1/2 | 2,594.95 | 10 1/2 | 2,233.90 | 10 1/2 | 1,872.86 | 10 1/2 | 1,511.81 | 10 1/2 | 1,150.78 | 10 1/2 | 789.74 | 10 1/2 | 428.88 | 10 1/2 | 67.83 | 10 1/2 | | 10 1/2 | | |
| 10 3/4 | 2,587.43 | 10 3/4 | 2,226.38 | 10 3/4 | 1,865.33 | 10 3/4 | 1,504.29 | 10 3/4 | 1,143.26 | 10 3/4 | 782.22 | 10 3/4 | 421.36 | 10 3/4 | 60.32 | 10 3/4 | | 10 3/4 | | |
| 11 | 2,579.90 | 11 | 2,218.86 | 11 | 1,857.81 | 11 | 1,496.77 | 11 | 1,135.74 | 11 | 774.70 | 11 | 413.83 | 11 | 53.42 | 11 | | 11 | | |
| 11 1/4 | 2,572.38 | 11 1/4 | 2,211.33 | 11 1/4 | 1,850.28 | 11 1/4 | 1,489.25 | 11 1/4 | 1,128.21 | 11 1/4 | 767.18 | 11 1/4 | 406.31 | 11 1/4 | 46.21 | 11 1/4 | | 11 1/4 | | |
| 11 1/2 | 2,564.86 | 11 1/2 | 2,203.81 | 11 1/2 | 1,842.76 | 11 1/2 | 1,481.74 | 11 1/2 | 1,120.69 | 11 1/2 | 759.67 | 11 1/2 | 398.78 | 11 1/2 | 39.00 | 11 1/2 | | 11 1/2 | | |
| 11 3/4 | 2,557.33 | 11 3/4 | 2,196.29 | 11 3/4 | 1,835.24 | 11 3/4 | 1,474.21 | 11 3/4 | 1,113.17 | 11 3/4 | 752.15 | 11 3/4 | 391.26 | 11 3/4 | 33.36 | 11 3/4 | | 11 3/4 | | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 0628/1995 CTC
DECK MEASUREMENTS: 10/12/2004 SW
REPRINTED: 11/12/2004 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2004

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



BARGE "KIRBY 30403"

2 PORT ULLAGE TABLE

FORMERLY "HW 3039"

| CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS | | GAUGE HEIGHT 18'-00 1/8" | | | | | | | | | | | |
|--|----|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|
| | | 0 FT. | 1 FT. | 2 FT. | 3 FT. | 4 FT. | 5 FT. | 6 FT. | 7 FT. | 8 FT. | 9 FT. | | |
| N | H | N | H | N | H | N | H | N | H | N | H | N | H |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

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 UNDERSIDE OF DECK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT (HERMETIC) LOCATED 13'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77580
<http://www.pmacuro.net>

[Signature]

SHEET NO. 5 OF 12



BARGE "KIRBY 30403"

2 PORT ULLAGE TABLE

FORMERLY "HW 3039"

CAPACITY IN WHOLE BARRELS OF 42 U.S. GALLONS

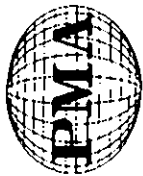
| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|---------|--------|---|
| N | B | N | B | N | B | N | B | N | B | N | B | N | B | N | B | N | B | N | B |
| 0 | 2,902.99 | 0 | 2,541.40 | 0 | 2,179.70 | 0 | 1,817.89 | 0 | 1,456.30 | 0 | 1,094.59 | 0 | 732.90 | 0 | 371.28 | 0 | 19.10 | 0 | 0 |
| 1 | 2,895.46 | 1 | 2,533.86 | 1 | 2,172.17 | 1 | 1,810.45 | 1 | 1,448.78 | 1 | 1,087.05 | 1 | 725.37 | 1 | 363.74 | 1 | 16.45 | 1 | 0 |
| 2 | 2,887.92 | 2 | 2,526.32 | 2 | 2,164.63 | 2 | 1,802.92 | 2 | 1,441.23 | 2 | 1,079.51 | 2 | 717.84 | 2 | 356.20 | 2 | 13.72 | 2 | 0 |
| 3 | 2,880.38 | 3 | 2,518.79 | 3 | 2,157.10 | 3 | 1,795.38 | 3 | 1,433.69 | 3 | 1,071.98 | 3 | 710.31 | 3 | 348.67 | 3 | 11.00 | 3 | 0 |
| 4 | 2,872.85 | 4 | 2,511.25 | 4 | 2,149.56 | 4 | 1,787.85 | 4 | 1,426.16 | 4 | 1,064.44 | 4 | 702.78 | 4 | 341.13 | 4 | 8.28 | 4 | 0 |
| 5 | 2,865.32 | 5 | 2,503.72 | 5 | 2,142.03 | 5 | 1,780.31 | 5 | 1,418.62 | 5 | 1,056.91 | 5 | 695.24 | 5 | 333.60 | 5 | 5.55 | 5 | 0 |
| 6 | 2,857.79 | 6 | 2,496.18 | 6 | 2,134.49 | 6 | 1,772.78 | 6 | 1,411.09 | 6 | 1,049.37 | 6 | 687.71 | 6 | 326.06 | 6 | 2.82 | 6 | 0 |
| 7 | 2,850.26 | 7 | 2,488.65 | 7 | 2,126.95 | 7 | 1,765.24 | 7 | 1,403.55 | 7 | 1,041.84 | 7 | 680.17 | 7 | 318.53 | 7 | 0.09 | 7 | 0 |
| 8 | 2,842.73 | 8 | 2,481.11 | 8 | 2,119.42 | 8 | 1,757.70 | 8 | 1,396.01 | 8 | 1,034.30 | 8 | 672.64 | 8 | 310.99 | 8 | -2.64 | 8 | 0 |
| 9 | 2,835.20 | 9 | 2,473.57 | 9 | 2,111.88 | 9 | 1,750.17 | 9 | 1,388.48 | 9 | 1,026.76 | 9 | 665.10 | 9 | 303.45 | 9 | -5.31 | 9 | 0 |
| 10 | 2,827.67 | 10 | 2,466.04 | 10 | 2,104.35 | 10 | 1,742.63 | 10 | 1,380.94 | 10 | 1,019.23 | 10 | 657.57 | 10 | 295.92 | 10 | -7.98 | 10 | 0 |
| 11 | 2,820.14 | 11 | 2,458.50 | 11 | 2,096.81 | 11 | 1,735.10 | 11 | 1,373.41 | 11 | 1,011.69 | 11 | 650.04 | 11 | 288.38 | 11 | -10.65 | 11 | 0 |
| 12 | 2,812.61 | 12 | 2,450.97 | 12 | 2,089.28 | 12 | 1,727.56 | 12 | 1,365.87 | 12 | 1,004.16 | 12 | 642.51 | 12 | 280.85 | 12 | -13.31 | 12 | 0 |
| 13 | 2,805.07 | 13 | 2,443.43 | 13 | 2,081.74 | 13 | 1,720.03 | 13 | 1,358.34 | 13 | 996.62 | 13 | 634.98 | 13 | 273.31 | 13 | -15.98 | 13 | 0 |
| 14 | 2,797.54 | 14 | 2,435.90 | 14 | 2,074.20 | 14 | 1,712.49 | 14 | 1,350.80 | 14 | 989.08 | 14 | 627.44 | 14 | 266.78 | 14 | -18.64 | 14 | 0 |
| 15 | 2,790.00 | 15 | 2,428.36 | 15 | 2,066.67 | 15 | 1,704.96 | 15 | 1,343.26 | 15 | 981.55 | 15 | 619.91 | 15 | 259.24 | 15 | -21.30 | 15 | 0 |
| 16 | 2,782.47 | 16 | 2,420.82 | 16 | 2,059.13 | 16 | 1,697.42 | 16 | 1,335.73 | 16 | 974.01 | 16 | 612.37 | 16 | 251.70 | 16 | -23.96 | 16 | 0 |
| 17 | 2,774.94 | 17 | 2,413.29 | 17 | 2,051.60 | 17 | 1,689.88 | 17 | 1,328.19 | 17 | 966.48 | 17 | 604.84 | 17 | 243.17 | 17 | -26.62 | 17 | 0 |
| 18 | 2,767.41 | 18 | 2,405.75 | 18 | 2,044.06 | 18 | 1,682.35 | 18 | 1,320.66 | 18 | 958.94 | 18 | 597.31 | 18 | 235.63 | 18 | -29.28 | 18 | 0 |
| 19 | 2,759.88 | 19 | 2,398.22 | 19 | 2,036.53 | 19 | 1,674.81 | 19 | 1,313.12 | 19 | 951.41 | 19 | 589.78 | 19 | 228.10 | 19 | -31.94 | 19 | 0 |
| 20 | 2,752.35 | 20 | 2,390.68 | 20 | 2,028.99 | 20 | 1,667.28 | 20 | 1,305.59 | 20 | 943.87 | 20 | 582.25 | 20 | 220.56 | 20 | -34.60 | 20 | 0 |
| 21 | 2,744.82 | 21 | 2,383.15 | 21 | 2,021.45 | 21 | 1,659.74 | 21 | 1,298.05 | 21 | 936.34 | 21 | 574.72 | 21 | 213.03 | 21 | -37.26 | 21 | 0 |
| 22 | 2,737.29 | 22 | 2,375.61 | 22 | 2,013.92 | 22 | 1,652.21 | 22 | 1,290.51 | 22 | 928.80 | 22 | 567.18 | 22 | 205.49 | 22 | -39.92 | 22 | 0 |
| 23 | 2,729.76 | 23 | 2,368.07 | 23 | 2,006.38 | 23 | 1,644.67 | 23 | 1,282.98 | 23 | 921.26 | 23 | 559.65 | 23 | 197.96 | 23 | -42.58 | 23 | 0 |
| 24 | 2,722.23 | 24 | 2,360.54 | 24 | 1,998.85 | 24 | 1,637.13 | 24 | 1,275.44 | 24 | 913.73 | 24 | 552.11 | 24 | 190.42 | 24 | -45.24 | 24 | 0 |
| 25 | 2,714.69 | 25 | 2,353.01 | 25 | 1,991.31 | 25 | 1,629.60 | 25 | 1,267.91 | 25 | 906.19 | 25 | 544.57 | 25 | 182.88 | 25 | -47.90 | 25 | 0 |
| 26 | 2,707.16 | 26 | 2,345.48 | 26 | 1,983.78 | 26 | 1,622.06 | 26 | 1,260.37 | 26 | 898.66 | 26 | 537.04 | 26 | 175.35 | 26 | -50.56 | 26 | 0 |
| 27 | 2,699.62 | 27 | 2,337.95 | 27 | 1,976.24 | 27 | 1,614.53 | 27 | 1,252.84 | 27 | 891.12 | 27 | 529.50 | 27 | 167.81 | 27 | -53.22 | 27 | 0 |
| 28 | 2,692.09 | 28 | 2,330.42 | 28 | 1,968.70 | 28 | 1,606.99 | 28 | 1,245.30 | 28 | 883.59 | 28 | 521.97 | 28 | 160.28 | 28 | -55.88 | 28 | 0 |
| 29 | 2,684.56 | 29 | 2,322.88 | 29 | 1,961.17 | 29 | 1,599.46 | 29 | 1,237.76 | 29 | 876.05 | 29 | 514.44 | 29 | 152.74 | 29 | -58.54 | 29 | 0 |
| 30 | 2,677.03 | 30 | 2,315.35 | 30 | 1,953.63 | 30 | 1,591.92 | 30 | 1,230.23 | 30 | 868.51 | 30 | 506.91 | 30 | 145.21 | 30 | -61.20 | 30 | 0 |
| 31 | 2,669.50 | 31 | 2,307.81 | 31 | 1,946.10 | 31 | 1,584.38 | 31 | 1,222.69 | 31 | 860.98 | 31 | 499.38 | 31 | 137.67 | 31 | -63.86 | 31 | 0 |
| 32 | 2,661.97 | 32 | 2,300.28 | 32 | 1,938.56 | 32 | 1,576.85 | 32 | 1,215.16 | 32 | 853.44 | 32 | 491.85 | 32 | 130.13 | 32 | -66.52 | 32 | 0 |
| 33 | 2,654.43 | 33 | 2,292.74 | 33 | 1,931.03 | 33 | 1,569.32 | 33 | 1,207.62 | 33 | 845.91 | 33 | 484.31 | 33 | 122.60 | 33 | -69.18 | 33 | 0 |
| 34 | 2,646.90 | 34 | 2,285.20 | 34 | 1,923.49 | 34 | 1,561.79 | 34 | 1,200.09 | 34 | 838.37 | 34 | 476.78 | 34 | 115.06 | 34 | -71.84 | 34 | 0 |
| 35 | 2,639.36 | 35 | 2,277.67 | 35 | 1,915.95 | 35 | 1,554.26 | 35 | 1,192.55 | 35 | 830.84 | 35 | 469.24 | 35 | 107.53 | 35 | -74.50 | 35 | 0 |
| 36 | 2,631.82 | 36 | 2,270.13 | 36 | 1,908.42 | 36 | 1,546.73 | 36 | 1,185.01 | 36 | 823.30 | 36 | 461.70 | 36 | 99.99 | 36 | -77.16 | 36 | 0 |
| 37 | 2,624.29 | 37 | 2,262.60 | 37 | 1,900.88 | 37 | 1,539.19 | 37 | 1,177.48 | 37 | 815.77 | 37 | 454.17 | 37 | 92.46 | 37 | -79.82 | 37 | 0 |
| 38 | 2,616.75 | 38 | 2,255.06 | 38 | 1,893.35 | 38 | 1,531.66 | 38 | 1,169.94 | 38 | 808.24 | 38 | 446.63 | 38 | 84.92 | 38 | -82.48 | 38 | 0 |
| 39 | 2,609.22 | 39 | 2,247.53 | 39 | 1,885.81 | 39 | 1,524.12 | 39 | 1,162.41 | 39 | 800.71 | 39 | 439.10 | 39 | 77.38 | 39 | -85.14 | 39 | 0 |
| 40 | 2,601.68 | 40 | 2,239.99 | 40 | 1,878.28 | 40 | 1,516.58 | 40 | 1,154.87 | 40 | 793.18 | 40 | 431.56 | 40 | 69.89 | 40 | -87.80 | 40 | 0 |
| 41 | 2,594.15 | 41 | 2,232.45 | 41 | 1,870.74 | 41 | 1,509.05 | 41 | 1,147.34 | 41 | 785.65 | 41 | 424.03 | 41 | 62.37 | 41 | -90.46 | 41 | 0 |
| 42 | 2,586.61 | 42 | 2,224.92 | 42 | 1,863.20 | 42 | 1,501.51 | 42 | 1,139.80 | 42 | 778.11 | 42 | 416.49 | 42 | 55.10 | 42 | -93.12 | 42 | 0 |
| 43 | 2,579.07 | 43 | 2,217.38 | 43 | 1,855.67 | 43 | 1,493.98 | 43 | 1,132.26 | 43 | 770.57 | 43 | 408.95 | 43 | 47.72 | 43 | -95.78 | 43 | 0 |
| 44 | 2,571.54 | 44 | 2,209.85 | 44 | 1,848.13 | 44 | 1,486.44 | 44 | 1,124.71 | 44 | 763.04 | 44 | 401.42 | 44 | 40.66 | 44 | -98.44 | 44 | 0 |
| 45 | 2,564.00 | 45 | 2,202.31 | 45 | 1,840.60 | 45 | 1,478.91 | 45 | 1,117.19 | 45 | 755.50 | 45 | 393.88 | 45 | 33.04 | 45 | -101.10 | 45 | 0 |
| 46 | 2,556.47 | 46 | 2,194.78 | 46 | 1,833.06 | 46 | 1,471.37 | 46 | 1,109.66 | 46 | 747.97 | 46 | 386.35 | 46 | 25.93 | 46 | -103.76 | 46 | 0 |
| 47 | 2,548.93 | 47 | 2,187.24 | 47 | 1,825.53 | 47 | 1,463.83 | 47 | 1,102.12 | 47 | 740.43 | 47 | 378.81 | 47 | 18.41 | 47 | -106.42 | 47 | 0 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED 08/29/1995 CTC
DECK MEASUREMENTS 10/12/2004 SW CL
REPRINTED: 11/12/2004 SW

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2004



BARGE "KIRBY 30403"

2 STBD ULLAGE TABLE

FORMERLY "HW 3039"

| CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS | | GAUGE HEIGHT 18'-00" 1/2" | | | | | | | | | | | | | | | | | | | |
|--|----|---------------------------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|
| | | 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 | N | M |
| 0 | 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 | 14 |
| 12 | 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 | 34 |
| 1 | 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 | 14 |
| 12 | 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 | 34 |
| 2 | 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 | 14 |
| 12 | 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 | 34 |
| 3 | 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 | 14 |
| 12 | 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 | 34 |
| 4 | 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 | 14 |
| 12 | 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 | 34 |
| 5 | 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 | 14 |
| 12 | 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 | 34 |
| 6 | 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 | 14 |
| 12 | 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 | 34 |
| 7 | 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 | 14 |
| 12 | 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 | 34 |
| 8 | 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 | 14 |
| 12 | 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 | 34 |
| 9 | 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 | 14 |
| 12 | 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 | 34 |
| 10 | 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 | 14 |
| 12 | 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 | 34 |
| 11 | 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 | 14 |
| 12 | 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 | 34 |
| 12 | 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 | 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 UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD

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





BARGE "KIRBY 30403"

2 STBD ULLAGE TABLE

FORMERLY "HW 3039"

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. | | | | | | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|-------|--------|
| 0 | 2,905.91 | 0 | 2,545.57 | 0 | 1,824.63 | 0 | 1,464.15 | 0 | 1,103.68 | 0 | 743.28 | 0 | 383.13 | 0 | 27.66 | 0 |
| 1/4 | 2,898.41 | 1/4 | 2,177.58 | 1/4 | 1,817.12 | 1/4 | 1,456.64 | 1/4 | 1,096.17 | 1/4 | 735.78 | 1/4 | 375.62 | 1/4 | 22.03 | 1/4 |
| 1/2 | 2,890.90 | 1/2 | 2,530.54 | 1/2 | 2,170.07 | 1/2 | 1,449.14 | 1/2 | 1,088.66 | 1/2 | 728.28 | 1/2 | 368.11 | 1/2 | 16.40 | 1/2 |
| 3/4 | 2,883.39 | 3/4 | 2,523.03 | 3/4 | 1,802.10 | 3/4 | 1,441.63 | 3/4 | 1,081.15 | 3/4 | 720.78 | 3/4 | 360.60 | 3/4 | | 3/4 |
| 1 | 2,875.89 | 1 | 2,515.52 | 1 | 1,794.59 | 1 | 1,434.11 | 1 | 1,073.64 | 1 | 713.28 | 1 | 353.09 | 1 | | 1 |
| 1 1/4 | 2,868.38 | 1 1/4 | 2,508.01 | 1 1/4 | 1,787.08 | 1 1/4 | 1,426.60 | 1 1/4 | 1,066.13 | 1 1/4 | 705.78 | 1 1/4 | 345.58 | 1 1/4 | | 1 1/4 |
| 1 1/2 | 2,860.88 | 1 1/2 | 2,500.49 | 1 1/2 | 1,779.57 | 1 1/2 | 1,419.09 | 1 1/2 | 1,058.61 | 1 1/2 | 698.28 | 1 1/2 | 338.07 | 1 1/2 | | 1 1/2 |
| 1 3/4 | 2,853.37 | 1 3/4 | 2,492.99 | 1 3/4 | 1,772.05 | 1 3/4 | 1,411.58 | 1 3/4 | 1,051.11 | 1 3/4 | 690.78 | 1 3/4 | 330.56 | 1 3/4 | | 1 3/4 |
| 2 | 2,845.86 | 2 | 2,485.48 | 2 | 1,764.54 | 2 | 1,404.08 | 2 | 1,043.60 | 2 | 683.28 | 2 | 323.05 | 2 | | 2 |
| 2 1/4 | 2,838.36 | 2 1/4 | 2,477.98 | 2 1/4 | 1,757.03 | 2 1/4 | 1,396.57 | 2 1/4 | 1,036.10 | 2 1/4 | 675.78 | 2 1/4 | 315.55 | 2 1/4 | | 2 1/4 |
| 2 1/2 | 2,830.85 | 2 1/2 | 2,470.47 | 2 1/2 | 1,749.52 | 2 1/2 | 1,389.07 | 2 1/2 | 1,028.59 | 2 1/2 | 668.28 | 2 1/2 | 308.04 | 2 1/2 | | 2 1/2 |
| 2 3/4 | 2,823.35 | 2 3/4 | 2,462.96 | 2 3/4 | 1,742.01 | 2 3/4 | 1,381.55 | 2 3/4 | 1,021.08 | 2 3/4 | 660.78 | 2 3/4 | 300.53 | 2 3/4 | | 2 3/4 |
| 3 | 2,815.84 | 3 | 2,455.45 | 3 | 1,734.51 | 3 | 1,374.04 | 3 | 1,013.57 | 3 | 653.28 | 3 | 293.02 | 3 | | 3 |
| 3 1/4 | 2,808.33 | 3 1/4 | 2,447.93 | 3 1/4 | 1,727.00 | 3 1/4 | 1,366.53 | 3 1/4 | 1,006.05 | 3 1/4 | 645.78 | 3 1/4 | 285.51 | 3 1/4 | | 3 1/4 |
| 3 1/2 | 2,800.83 | 3 1/2 | 2,440.42 | 3 1/2 | 1,719.49 | 3 1/2 | 1,359.02 | 3 1/2 | 998.54 | 3 1/2 | 638.28 | 3 1/2 | 277.99 | 3 1/2 | | 3 1/2 |
| 3 3/4 | 2,793.32 | 3 3/4 | 2,432.91 | 3 3/4 | 1,711.98 | 3 3/4 | 1,351.51 | 3 3/4 | 991.04 | 3 3/4 | 630.78 | 3 3/4 | 270.48 | 3 3/4 | | 3 3/4 |
| 4 | 2,785.82 | 4 | 2,425.40 | 4 | 1,704.47 | 4 | 1,343.99 | 4 | 983.53 | 4 | 623.28 | 4 | 262.97 | 4 | | 4 |
| 4 1/4 | 2,778.31 | 4 1/4 | 2,417.89 | 4 1/4 | 1,696.96 | 4 1/4 | 1,336.48 | 4 1/4 | 976.02 | 4 1/4 | 615.78 | 4 1/4 | 255.46 | 4 1/4 | | 4 1/4 |
| 4 1/2 | 2,770.80 | 4 1/2 | 2,410.38 | 4 1/2 | 1,689.45 | 4 1/2 | 1,328.97 | 4 1/2 | 968.52 | 4 1/2 | 608.28 | 4 1/2 | 247.95 | 4 1/2 | | 4 1/2 |
| 4 3/4 | 2,763.30 | 4 3/4 | 2,402.87 | 4 3/4 | 1,681.93 | 4 3/4 | 1,321.46 | 4 3/4 | 961.01 | 4 3/4 | 600.78 | 4 3/4 | 240.44 | 4 3/4 | | 4 3/4 |
| 5 | 2,755.79 | 5 | 2,395.36 | 5 | 1,674.42 | 5 | 1,313.95 | 5 | 953.49 | 5 | 593.28 | 5 | 232.93 | 5 | | 5 |
| 5 1/4 | 2,748.28 | 5 1/4 | 2,387.85 | 5 1/4 | 1,666.91 | 5 1/4 | 1,306.45 | 5 1/4 | 945.98 | 5 1/4 | 585.78 | 5 1/4 | 225.43 | 5 1/4 | | 5 1/4 |
| 5 1/2 | 2,740.78 | 5 1/2 | 2,380.34 | 5 1/2 | 1,659.40 | 5 1/2 | 1,298.95 | 5 1/2 | 938.47 | 5 1/2 | 578.28 | 5 1/2 | 217.92 | 5 1/2 | | 5 1/2 |
| 5 3/4 | 2,733.27 | 5 3/4 | 2,372.84 | 5 3/4 | 1,651.89 | 5 3/4 | 1,291.43 | 5 3/4 | 930.96 | 5 3/4 | 570.78 | 5 3/4 | 210.41 | 5 3/4 | | 5 3/4 |
| 6 | 2,725.77 | 6 | 2,365.33 | 6 | 1,644.39 | 6 | 1,283.92 | 6 | 923.45 | 6 | 563.28 | 6 | 202.90 | 6 | | 6 |
| 6 1/4 | 2,718.26 | 6 1/4 | 2,357.82 | 6 1/4 | 1,636.88 | 6 1/4 | 1,276.41 | 6 1/4 | 915.93 | 6 1/4 | 555.78 | 6 1/4 | 195.39 | 6 1/4 | | 6 1/4 |
| 6 1/2 | 2,710.76 | 6 1/2 | 2,350.30 | 6 1/2 | 1,629.38 | 6 1/2 | 1,268.90 | 6 1/2 | 908.42 | 6 1/2 | 548.28 | 6 1/2 | 187.88 | 6 1/2 | | 6 1/2 |
| 6 3/4 | 2,703.25 | 6 3/4 | 2,342.79 | 6 3/4 | 1,621.86 | 6 3/4 | 1,261.39 | 6 3/4 | 900.92 | 6 3/4 | 540.77 | 6 3/4 | 180.36 | 6 3/4 | | 6 3/4 |
| 7 | 2,695.74 | 7 | 2,335.28 | 7 | 1,614.35 | 7 | 1,253.88 | 7 | 893.41 | 7 | 533.27 | 7 | 172.85 | 7 | | 7 |
| 7 1/4 | 2,688.23 | 7 1/4 | 2,327.77 | 7 1/4 | 1,606.84 | 7 1/4 | 1,246.36 | 7 1/4 | 885.91 | 7 1/4 | 525.76 | 7 1/4 | 165.34 | 7 1/4 | | 7 1/4 |
| 7 1/2 | 2,680.73 | 7 1/2 | 2,320.26 | 7 1/2 | 1,599.33 | 7 1/2 | 1,238.85 | 7 1/2 | 878.40 | 7 1/2 | 518.26 | 7 1/2 | 157.83 | 7 1/2 | | 7 1/2 |
| 7 3/4 | 2,673.23 | 7 3/4 | 2,312.75 | 7 3/4 | 1,591.82 | 7 3/4 | 1,231.35 | 7 3/4 | 870.89 | 7 3/4 | 510.76 | 7 3/4 | 150.32 | 7 3/4 | | 7 3/4 |
| 8 | 2,665.72 | 8 | 2,305.24 | 8 | 1,584.30 | 8 | 1,223.84 | 8 | 863.38 | 8 | 503.26 | 8 | 142.82 | 8 | | 8 |
| 8 1/4 | 2,658.21 | 8 1/4 | 2,297.74 | 8 1/4 | 1,576.79 | 8 1/4 | 1,216.33 | 8 1/4 | 855.86 | 8 1/4 | 495.76 | 8 1/4 | 135.31 | 8 1/4 | | 8 1/4 |
| 8 1/2 | 2,650.71 | 8 1/2 | 2,290.23 | 8 1/2 | 1,569.28 | 8 1/2 | 1,208.83 | 8 1/2 | 848.35 | 8 1/2 | 488.26 | 8 1/2 | 127.80 | 8 1/2 | | 8 1/2 |
| 8 3/4 | 2,643.20 | 8 3/4 | 2,282.72 | 8 3/4 | 1,561.77 | 8 3/4 | 1,201.32 | 8 3/4 | 840.84 | 8 3/4 | 480.75 | 8 3/4 | 120.29 | 8 3/4 | | 8 3/4 |
| 9 | 2,635.68 | 9 | 2,275.21 | 9 | 1,554.27 | 9 | 1,193.80 | 9 | 833.33 | 9 | 473.24 | 9 | 112.78 | 9 | | 9 |
| 9 1/4 | 2,628.17 | 9 1/4 | 2,267.70 | 9 1/4 | 1,546.76 | 9 1/4 | 1,186.29 | 9 1/4 | 825.82 | 9 1/4 | 465.74 | 9 1/4 | 105.27 | 9 1/4 | | 9 1/4 |
| 9 1/2 | 2,620.66 | 9 1/2 | 2,260.18 | 9 1/2 | 1,539.25 | 9 1/2 | 1,178.78 | 9 1/2 | 818.30 | 9 1/2 | 458.23 | 9 1/2 | 97.76 | 9 1/2 | | 9 1/2 |
| 9 3/4 | 2,613.15 | 9 3/4 | 2,252.68 | 9 3/4 | 1,531.74 | 9 3/4 | 1,171.27 | 9 3/4 | 810.80 | 9 3/4 | 450.72 | 9 3/4 | 90.24 | 9 3/4 | | 9 3/4 |
| 10 | 2,605.64 | 10 | 2,245.17 | 10 | 1,524.23 | 10 | 1,163.76 | 10 | 803.30 | 10 | 443.21 | 10 | 82.73 | 10 | | 10 |
| 10 1/4 | 2,598.13 | 10 1/4 | 2,237.67 | 10 1/4 | 1,516.72 | 10 1/4 | 1,156.24 | 10 1/4 | 795.80 | 10 1/4 | 435.70 | 10 1/4 | 75.22 | 10 1/4 | | 10 1/4 |
| 10 1/2 | 2,590.61 | 10 1/2 | 2,230.16 | 10 1/2 | 1,509.21 | 10 1/2 | 1,148.73 | 10 1/2 | 788.30 | 10 1/2 | 428.18 | 10 1/2 | 67.71 | 10 1/2 | | 10 1/2 |
| 10 3/4 | 2,583.11 | 10 3/4 | 2,222.65 | 10 3/4 | 1,501.70 | 10 3/4 | 1,141.23 | 10 3/4 | 780.80 | 10 3/4 | 420.67 | 10 3/4 | 60.20 | 10 3/4 | | 10 3/4 |
| 11 | 2,575.60 | 11 | 2,215.14 | 11 | 1,494.18 | 11 | 1,133.72 | 11 | 773.29 | 11 | 413.16 | 11 | 52.69 | 11 | | 11 |
| 11 1/4 | 2,568.10 | 11 1/4 | 2,207.63 | 11 1/4 | 1,486.67 | 11 1/4 | 1,126.21 | 11 1/4 | 765.79 | 11 1/4 | 405.65 | 11 1/4 | 45.18 | 11 1/4 | | 11 1/4 |
| 11 1/2 | 2,560.59 | 11 1/2 | 2,200.11 | 11 1/2 | 1,479.16 | 11 1/2 | 1,118.71 | 11 1/2 | 758.28 | 11 1/2 | 398.14 | 11 1/2 | 37.67 | 11 1/2 | | 11 1/2 |
| 11 3/4 | 2,553.08 | 11 3/4 | 2,192.60 | 11 3/4 | 1,471.65 | 11 3/4 | 1,111.20 | 11 3/4 | 750.78 | 11 3/4 | 390.63 | 11 3/4 | 30.16 | 11 3/4 | | 11 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 082/11985 CTC
DECK MEASUREMENTS: 10122004 SW CL
REPRINTED: 11/11/2004 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2004

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

Paul J. Gamm



BARGE "KIRBY 30403"

3 PORT ULLAGE TABLE

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

FORMERLY "HW 3039"

GAUGE HEIGHT 18'-00"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| M | N | M | N | M | N | M | N | M | N | M | N | M | N | M | N | M | N | M | N |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 16 | 16 | 22 | 22 | 29 | 29 | 36 | 36 | 43 | 43 | 50 | 50 | 57 | 57 | 64 | 64 | 71 | 71 | 78 |
| 20 | 32 | 32 | 39 | 39 | 46 | 46 | 53 | 53 | 60 | 60 | 67 | 67 | 74 | 74 | 81 | 81 | 88 | 88 | 95 |
| 30 | 48 | 48 | 55 | 55 | 62 | 62 | 69 | 69 | 76 | 76 | 83 | 83 | 90 | 90 | 97 | 97 | 104 | 104 | 111 |
| 40 | 64 | 64 | 71 | 71 | 78 | 78 | 85 | 85 | 92 | 92 | 99 | 99 | 106 | 106 | 113 | 113 | 120 | 120 | 127 |
| 50 | 80 | 80 | 87 | 87 | 94 | 94 | 101 | 101 | 108 | 108 | 115 | 115 | 122 | 122 | 129 | 129 | 136 | 136 | 143 |
| 60 | 96 | 96 | 103 | 103 | 110 | 110 | 117 | 117 | 124 | 124 | 131 | 131 | 138 | 138 | 145 | 145 | 152 | 152 | 159 |
| 70 | 112 | 112 | 119 | 119 | 126 | 126 | 133 | 133 | 140 | 140 | 147 | 147 | 154 | 154 | 161 | 161 | 168 | 168 | 175 |
| 80 | 128 | 128 | 135 | 135 | 142 | 142 | 149 | 149 | 156 | 156 | 163 | 163 | 170 | 170 | 177 | 177 | 184 | 184 | 191 |
| 90 | 144 | 144 | 151 | 151 | 158 | 158 | 165 | 165 | 172 | 172 | 179 | 179 | 186 | 186 | 193 | 193 | 200 | 200 | 207 |
| 100 | 160 | 160 | 167 | 167 | 174 | 174 | 181 | 181 | 188 | 188 | 195 | 195 | 202 | 202 | 209 | 209 | 216 | 216 | 223 |
| 110 | 176 | 176 | 183 | 183 | 190 | 190 | 197 | 197 | 204 | 204 | 211 | 211 | 218 | 218 | 225 | 225 | 232 | 232 | 239 |
| 120 | 192 | 192 | 199 | 199 | 206 | 206 | 213 | 213 | 220 | 220 | 227 | 227 | 234 | 234 | 241 | 241 | 248 | 248 | 255 |
| 130 | 208 | 208 | 215 | 215 | 222 | 222 | 229 | 229 | 236 | 236 | 243 | 243 | 250 | 250 | 257 | 257 | 264 | 264 | 271 |
| 140 | 224 | 224 | 231 | 231 | 238 | 238 | 245 | 245 | 252 | 252 | 259 | 259 | 266 | 266 | 273 | 273 | 280 | 280 | 287 |
| 150 | 240 | 240 | 247 | 247 | 254 | 254 | 261 | 261 | 268 | 268 | 275 | 275 | 282 | 282 | 289 | 289 | 296 | 296 | 303 |
| 160 | 256 | 256 | 263 | 263 | 270 | 270 | 277 | 277 | 284 | 284 | 291 | 291 | 298 | 298 | 305 | 305 | 312 | 312 | 319 |
| 170 | 272 | 272 | 279 | 279 | 286 | 286 | 293 | 293 | 300 | 300 | 307 | 307 | 314 | 314 | 321 | 321 | 328 | 328 | 335 |
| 180 | 288 | 288 | 295 | 295 | 302 | 302 | 309 | 309 | 316 | 316 | 323 | 323 | 330 | 330 | 337 | 337 | 344 | 344 | 351 |
| 190 | 304 | 304 | 311 | 311 | 318 | 318 | 325 | 325 | 332 | 332 | 339 | 339 | 346 | 346 | 353 | 353 | 360 | 360 | 367 |
| 200 | 320 | 320 | 327 | 327 | 334 | 334 | 341 | 341 | 348 | 348 | 355 | 355 | 362 | 362 | 369 | 369 | 376 | 376 | 383 |
| 210 | 336 | 336 | 343 | 343 | 350 | 350 | 357 | 357 | 364 | 364 | 371 | 371 | 378 | 378 | 385 | 385 | 392 | 392 | 399 |
| 220 | 352 | 352 | 359 | 359 | 366 | 366 | 373 | 373 | 380 | 380 | 387 | 387 | 394 | 394 | 401 | 401 | 408 | 408 | 415 |
| 230 | 368 | 368 | 375 | 375 | 382 | 382 | 389 | 389 | 396 | 396 | 403 | 403 | 410 | 410 | 417 | 417 | 424 | 424 | 431 |
| 240 | 384 | 384 | 391 | 391 | 398 | 398 | 405 | 405 | 412 | 412 | 419 | 419 | 426 | 426 | 433 | 433 | 440 | 440 | 447 |
| 250 | 400 | 400 | 407 | 407 | 414 | 414 | 421 | 421 | 428 | 428 | 435 | 435 | 442 | 442 | 449 | 449 | 456 | 456 | 463 |
| 260 | 416 | 416 | 423 | 423 | 430 | 430 | 437 | 437 | 444 | 444 | 451 | 451 | 458 | 458 | 465 | 465 | 472 | 472 | 479 |
| 270 | 432 | 432 | 439 | 439 | 446 | 446 | 453 | 453 | 460 | 460 | 467 | 467 | 474 | 474 | 481 | 481 | 488 | 488 | 495 |
| 280 | 448 | 448 | 455 | 455 | 462 | 462 | 469 | 469 | 476 | 476 | 483 | 483 | 490 | 490 | 497 | 497 | 504 | 504 | 511 |
| 290 | 464 | 464 | 471 | 471 | 478 | 478 | 485 | 485 | 492 | 492 | 499 | 499 | 506 | 506 | 513 | 513 | 520 | 520 | 527 |
| 300 | 480 | 480 | 487 | 487 | 494 | 494 | 501 | 501 | 508 | 508 | 515 | 515 | 522 | 522 | 529 | 529 | 536 | 536 | 543 |
| 310 | 496 | 496 | 503 | 503 | 510 | 510 | 517 | 517 | 524 | 524 | 531 | 531 | 538 | 538 | 545 | 545 | 552 | 552 | 559 |
| 320 | 512 | 512 | 519 | 519 | 526 | 526 | 533 | 533 | 540 | 540 | 547 | 547 | 554 | 554 | 561 | 561 | 568 | 568 | 575 |
| 330 | 528 | 528 | 535 | 535 | 542 | 542 | 549 | 549 | 556 | 556 | 563 | 563 | 570 | 570 | 577 | 577 | 584 | 584 | 591 |
| 340 | 544 | 544 | 551 | 551 | 558 | 558 | 565 | 565 | 572 | 572 | 579 | 579 | 586 | 586 | 593 | 593 | 600 | 600 | 607 |
| 350 | 560 | 560 | 567 | 567 | 574 | 574 | 581 | 581 | 588 | 588 | 595 | 595 | 602 | 602 | 609 | 609 | 616 | 616 | 623 |
| 360 | 576 | 576 | 583 | 583 | 590 | 590 | 597 | 597 | 604 | 604 | 611 | 611 | 618 | 618 | 625 | 625 | 632 | 632 | 639 |
| 370 | 592 | 592 | 599 | 599 | 606 | 606 | 613 | 613 | 620 | 620 | 627 | 627 | 634 | 634 | 641 | 641 | 648 | 648 | 655 |
| 380 | 608 | 608 | 615 | 615 | 622 | 622 | 629 | 629 | 636 | 636 | 643 | 643 | 650 | 650 | 657 | 657 | 664 | 664 | 671 |
| 390 | 624 | 624 | 631 | 631 | 638 | 638 | 645 | 645 | 652 | 652 | 659 | 659 | 666 | 666 | 673 | 673 | 680 | 680 | 687 |
| 400 | 640 | 640 | 647 | 647 | 654 | 654 | 661 | 661 | 668 | 668 | 675 | 675 | 682 | 682 | 689 | 689 | 696 | 696 | 703 |
| 410 | 656 | 656 | 663 | 663 | 670 | 670 | 677 | 677 | 684 | 684 | 691 | 691 | 698 | 698 | 705 | 705 | 712 | 712 | 719 |
| 420 | 672 | 672 | 679 | 679 | 686 | 686 | 693 | 693 | 700 | 700 | 707 | 707 | 714 | 714 | 721 | 721 | 728 | 728 | 735 |
| 430 | 688 | 688 | 695 | 695 | 702 | 702 | 709 | 709 | 716 | 716 | 723 | 723 | 730 | 730 | 737 | 737 | 744 | 744 | 751 |
| 440 | 704 | 704 | 711 | 711 | 718 | 718 | 725 | 725 | 732 | 732 | 739 | 739 | 746 | 746 | 753 | 753 | 760 | 760 | 767 |
| 450 | 720 | 720 | 727 | 727 | 734 | 734 | 741 | 741 | 748 | 748 | 755 | 755 | 762 | 762 | 769 | 769 | 776 | 776 | 783 |
| 460 | 736 | 736 | 743 | 743 | 750 | 750 | 757 | 757 | 764 | 764 | 771 | 771 | 778 | 778 | 785 | 785 | 792 | 792 | 799 |
| 470 | 752 | 752 | 759 | 759 | 766 | 766 | 773 | 773 | 780 | 780 | 787 | 787 | 794 | 794 | 801 | 801 | 808 | 808 | 815 |
| 480 | 768 | 768 | 775 | 775 | 782 | 782 | 789 | 789 | 796 | 796 | 803 | 803 | 810 | 810 | 817 | 817 | 824 | 824 | 831 |
| 490 | 784 | 784 | 791 | 791 | 798 | 798 | 805 | 805 | 812 | 812 | 819 | 819 | 826 | 826 | 833 | 833 | 840 | 840 | 847 |
| 500 | 800 | 800 | 807 | 807 | 814 | 814 | 821 | 821 | 828 | 828 | 835 | 835 | 842 | 842 | 849 | 849 | 856 | 856 | 863 |
| 510 | 816 | 816 | 823 | 823 | 830 | 830 | 837 | 837 | 844 | 844 | 851 | 851 | 858 | 858 | 865 | 865 | 872 | 872 | 879 |
| 520 | 832 | 832 | 839 | 839 | 846 | 846 | 853 | 853 | 860 | 860 | 867 | 867 | 874 | 874 | 881 | 881 | 888 | 888 | 895 |
| 530 | 848 | 848 | 855 | 855 | 862 | 862 | 869 | 869 | 876 | 876 | 883 | 883 | 890 | 890 | 897 | 897 | 904 | 904 | 911 |
| 540 | 864 | 864 | 871 | 871 | 878 | 878 | 885 | 885 | 892 | 892 | 899 | 899 | 906 | 906 | 913 | 913 | 920 | 920 | 927 |
| 550 | 880 | 880 | 887 | 887 | 894 | 894 | 901 | 901 | 908 | 908 | 915 | 915 | 922 | 922 | 929 | 929 | 936 | 936 | 943 |
| 560 | 896 | 896 | 903 | 903 | 910 | 910 | 917 | 917 | 924 | 924 | 931 | 931 | 938 | 938 | 945 | 945 | 952 | 952 | 959 |
| 570 | 912 | 912 | 919 | 919 | 926 | 926 | 933 | 933 | 940 | 940 | 947 | 947 | 954 | 954 | 961 | 961 | 968 | 968 | 975 |
| 580 | 928 | 928 | 935 | 935 | 942 | 942 | 949 | 949 | 956 | 956 | 963 | 963 | 970 | 970 | 977 | 977 | 984 | 984 | 991 |
| 590 | 944 | 944 | 951 | 951 | 958 | 958 | 965 | 965 | 972 | 972 | 979 | 979 | 986 | 986 | 993 | 993 | 1000 | 1000 | 1007 |
| 600 | 960 | 960 | 967 | 967 | 974 | 974 | 981 | 981 | 988 | 988 | 995 | 995 | 1002 | 1002 | 1009 | 1009 | 1016 | 1016 | 1023 |
| 610 | 976 | 976 | 983 | 983 | 990 | 990 | 997 | 997 | 1004 | 1004 | 1011 | 1011 | 1018 | 1018 | 1025 | 1025 | 1032 | 1032 | 1039 |
| 620 | 992 | 992 | 999 | 999 | 1006 | 1006 | 1013 | 1013 | 1020 | 1020 | 1027 | 1027 | 1034 | 1034 | 1041 | 1041 | 1048 | 1048 | 1055 |
| 630 | 1008 | 1008 | 1015 | 1015 | 1022 | 1022 | 1029 | 1029 | 1036 | 1036 | 1043 | 1043 | 1050 | 1050 | 1057 | 1057 | 1064 | 1064 | 1071 |
| 640 | 1024 | 1024 | 1031 | 1031 | 1038 | 1038 | 1045 | 1045 | 1052 | 1052 | 1059 | 1059 | 1066 | 1066 | 1073 | 1073 | 1080 | 1080 | 1087 |
| 650 | 1040 | 1040 | 1047 | 1047 | 1054 | 1054 | 1061 | 1061 | 1068 | 1068 | 1075 | 1075 | 1082 | 1082 | 1089 | 1089 | 1096 | 1096 | 1103 |
| 660 | 1056 | 1056 | 1063 | 1063 | 1070 | 1070 | 1077 | 1077 | 1084 | 1084 | 1091 | 1091 | 1098 | 1098 | 1105 | 1105 | 1112 | 1112 | 1119 |
| 670 | 1072 | 1072 | 1079 | 1079 | 1086 | 1086 | 1093 | 1093 | 1100 | 1100 | 1107 | 1107 | 1114 | 1114 | 1121 | 1121 | 1128 | 1128 | 1135 |
| 680 | 1088 | 1088 | 1095 | 1095 | 1102 | 1102 | 1109 | 1109 | 1116 | 1116 | 1123 | 1123 | 1130 | 1130 | 1137 | 1137 | 1144 | 1144 | 1151 |
| 690 | 1104 | 1104 | 1111 | 1111 | 1118 | 1118 | 1125 | 1125 | 1132 | 1132 | 1139 | 1139 | 1146 | 1146 | 1153 | 1153 | 1160 | 1160 | 1167 |
| 700 | 1120 | 1120 | 1127 | 1127 | 1134 | 1134 | 1141 | 1141 | 1148 | 1148 | 1155 | 1155 | 1162 | 1162 | 1169 | 1169 | 1176 | 1176 | 1183 |
| 710 | 1136 | 1136 | 1143 | | | | | | | | | | | | | | | | |



BARGE "KIRBY 30403"

3 PORT ULLAGE TABLE

FORMERLY "HW 3039"
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 | R | N | R | N | R | N | R | N | R | N | R | N | R | N | R | N | R | N | R |
| 0 | 2,895.38 | 0 | 2,534.52 | 0 | 2,173.45 | 0 | 1,812.40 | 0 | 1,451.30 | 0 | 1,090.21 | 0 | 729.38 | 0 | 369.04 | 0 | 16.42 | 0 | 0 |
| 1/4 | 2,887.86 | 1/4 | 2,527.00 | 1/4 | 2,165.92 | 1/4 | 1,804.88 | 1/4 | 1,443.78 | 1/4 | 1,082.69 | 1/4 | 721.86 | 1/4 | 361.52 | 1/4 | 16.42 | 1/4 | 1/4 |
| 1/2 | 2,880.35 | 1/2 | 2,519.47 | 1/2 | 2,158.40 | 1/2 | 1,797.35 | 1/2 | 1,436.26 | 1/2 | 1,075.16 | 1/2 | 714.38 | 1/2 | 354.00 | 1/2 | 16.42 | 1/2 | 1/2 |
| 3/4 | 2,872.84 | 3/4 | 2,511.95 | 3/4 | 2,150.88 | 3/4 | 1,789.83 | 3/4 | 1,428.73 | 3/4 | 1,067.64 | 3/4 | 706.88 | 3/4 | 346.47 | 3/4 | 16.42 | 3/4 | 3/4 |
| 1 | 2,865.33 | 1 | 2,504.42 | 1 | 2,143.35 | 1 | 1,782.30 | 1 | 1,421.21 | 1 | 1,060.11 | 1 | 699.38 | 1 | 338.95 | 1 | 16.42 | 1 | 1 |
| 1 1/4 | 2,857.81 | 1 1/4 | 2,496.90 | 1 1/4 | 2,135.83 | 1 1/4 | 1,774.78 | 1 1/4 | 1,413.69 | 1 1/4 | 1,052.59 | 1 1/4 | 691.86 | 1 1/4 | 331.42 | 1 1/4 | 16.42 | 1 1/4 | 1 1/4 |
| 1 1/2 | 2,850.29 | 1 1/2 | 2,489.38 | 1 1/2 | 2,128.32 | 1 1/2 | 1,767.28 | 1 1/2 | 1,406.16 | 1 1/2 | 1,045.07 | 1 1/2 | 684.38 | 1 1/2 | 323.90 | 1 1/2 | 16.42 | 1 1/2 | 1 1/2 |
| 1 3/4 | 2,842.77 | 1 3/4 | 2,481.85 | 1 3/4 | 2,120.80 | 1 3/4 | 1,759.73 | 1 3/4 | 1,398.64 | 1 3/4 | 1,037.54 | 1 3/4 | 676.88 | 1 3/4 | 316.38 | 1 3/4 | 16.42 | 1 3/4 | 1 3/4 |
| 2 | 2,835.26 | 2 | 2,474.33 | 2 | 2,113.28 | 2 | 1,752.21 | 2 | 1,391.11 | 2 | 1,030.02 | 2 | 669.38 | 2 | 308.85 | 2 | 16.42 | 2 | 2 |
| 2 1/4 | 2,827.74 | 2 1/4 | 2,466.80 | 2 1/4 | 2,105.76 | 2 1/4 | 1,744.69 | 2 1/4 | 1,383.59 | 2 1/4 | 1,022.50 | 2 1/4 | 661.88 | 2 1/4 | 301.33 | 2 1/4 | 16.42 | 2 1/4 | 2 1/4 |
| 2 1/2 | 2,820.22 | 2 1/2 | 2,459.28 | 2 1/2 | 2,098.23 | 2 1/2 | 1,737.16 | 2 1/2 | 1,376.07 | 2 1/2 | 1,014.97 | 2 1/2 | 654.38 | 2 1/2 | 293.80 | 2 1/2 | 16.42 | 2 1/2 | 2 1/2 |
| 2 3/4 | 2,812.70 | 2 3/4 | 2,451.76 | 2 3/4 | 2,090.71 | 2 3/4 | 1,729.64 | 2 3/4 | 1,368.54 | 2 3/4 | 1,007.45 | 2 3/4 | 646.88 | 2 3/4 | 286.28 | 2 3/4 | 16.42 | 2 3/4 | 2 3/4 |
| 3 | 2,805.19 | 3 | 2,444.23 | 3 | 2,083.19 | 3 | 1,722.11 | 3 | 1,361.02 | 3 | 999.92 | 3 | 639.38 | 3 | 278.76 | 3 | 16.42 | 3 | 3 |
| 3 1/4 | 2,797.67 | 3 1/4 | 2,436.72 | 3 1/4 | 2,075.67 | 3 1/4 | 1,714.61 | 3 1/4 | 1,353.50 | 3 1/4 | 992.40 | 3 1/4 | 631.88 | 3 1/4 | 271.23 | 3 1/4 | 16.42 | 3 1/4 | 3 1/4 |
| 3 1/2 | 2,790.16 | 3 1/2 | 2,429.20 | 3 1/2 | 2,068.15 | 3 1/2 | 1,707.10 | 3 1/2 | 1,345.97 | 3 1/2 | 984.88 | 3 1/2 | 624.38 | 3 1/2 | 263.71 | 3 1/2 | 16.42 | 3 1/2 | 3 1/2 |
| 3 3/4 | 2,782.65 | 3 3/4 | 2,421.68 | 3 3/4 | 2,060.63 | 3 3/4 | 1,699.60 | 3 3/4 | 1,338.45 | 3 3/4 | 977.35 | 3 3/4 | 616.88 | 3 3/4 | 256.19 | 3 3/4 | 16.42 | 3 3/4 | 3 3/4 |
| 4 | 2,775.14 | 4 | 2,414.16 | 4 | 2,053.11 | 4 | 1,692.09 | 4 | 1,330.92 | 4 | 969.83 | 4 | 609.38 | 4 | 248.66 | 4 | 16.42 | 4 | 4 |
| 4 1/4 | 2,767.62 | 4 1/4 | 2,406.64 | 4 1/4 | 2,045.59 | 4 1/4 | 1,684.55 | 4 1/4 | 1,323.41 | 4 1/4 | 962.31 | 4 1/4 | 601.88 | 4 1/4 | 241.13 | 4 1/4 | 16.42 | 4 1/4 | 4 1/4 |
| 4 1/2 | 2,760.10 | 4 1/2 | 2,399.11 | 4 1/2 | 2,038.07 | 4 1/2 | 1,677.02 | 4 1/2 | 1,315.89 | 4 1/2 | 954.79 | 4 1/2 | 594.38 | 4 1/2 | 233.60 | 4 1/2 | 16.42 | 4 1/2 | 4 1/2 |
| 4 3/4 | 2,752.58 | 4 3/4 | 2,391.59 | 4 3/4 | 2,030.54 | 4 3/4 | 1,669.48 | 4 3/4 | 1,308.37 | 4 3/4 | 947.28 | 4 3/4 | 586.88 | 4 3/4 | 226.07 | 4 3/4 | 16.42 | 4 3/4 | 4 3/4 |
| 5 | 2,745.07 | 5 | 2,384.07 | 5 | 2,023.02 | 5 | 1,661.95 | 5 | 1,300.85 | 5 | 939.76 | 5 | 579.38 | 5 | 218.54 | 5 | 16.42 | 5 | 5 |
| 5 1/4 | 2,737.55 | 5 1/4 | 2,376.54 | 5 1/4 | 2,015.50 | 5 1/4 | 1,654.42 | 5 1/4 | 1,293.33 | 5 1/4 | 932.23 | 5 1/4 | 571.88 | 5 1/4 | 211.01 | 5 1/4 | 16.42 | 5 1/4 | 5 1/4 |
| 5 1/2 | 2,730.03 | 5 1/2 | 2,369.02 | 5 1/2 | 2,007.98 | 5 1/2 | 1,646.90 | 5 1/2 | 1,285.81 | 5 1/2 | 924.71 | 5 1/2 | 564.38 | 5 1/2 | 203.47 | 5 1/2 | 16.42 | 5 1/2 | 5 1/2 |
| 5 3/4 | 2,722.51 | 5 3/4 | 2,361.50 | 5 3/4 | 2,000.47 | 5 3/4 | 1,639.38 | 5 3/4 | 1,278.28 | 5 3/4 | 917.19 | 5 3/4 | 556.88 | 5 3/4 | 195.94 | 5 3/4 | 16.42 | 5 3/4 | 5 3/4 |
| 6 | 2,715.00 | 6 | 2,353.97 | 6 | 1,992.95 | 6 | 1,631.85 | 6 | 1,270.76 | 6 | 909.66 | 6 | 549.38 | 6 | 188.40 | 6 | 16.42 | 6 | 6 |
| 6 1/4 | 2,707.48 | 6 1/4 | 2,346.45 | 6 1/4 | 1,985.42 | 6 1/4 | 1,624.33 | 6 1/4 | 1,263.23 | 6 1/4 | 902.14 | 6 1/4 | 541.88 | 6 1/4 | 180.87 | 6 1/4 | 16.42 | 6 1/4 | 6 1/4 |
| 6 1/2 | 2,699.97 | 6 1/2 | 2,338.92 | 6 1/2 | 1,977.90 | 6 1/2 | 1,616.80 | 6 1/2 | 1,255.71 | 6 1/2 | 894.61 | 6 1/2 | 534.38 | 6 1/2 | 173.34 | 6 1/2 | 16.42 | 6 1/2 | 6 1/2 |
| 6 3/4 | 2,692.46 | 6 3/4 | 2,331.40 | 6 3/4 | 1,970.38 | 6 3/4 | 1,609.28 | 6 3/4 | 1,248.19 | 6 3/4 | 887.09 | 6 3/4 | 526.88 | 6 3/4 | 165.81 | 6 3/4 | 16.42 | 6 3/4 | 6 3/4 |
| 7 | 2,684.95 | 7 | 2,323.88 | 7 | 1,962.85 | 7 | 1,601.76 | 7 | 1,240.66 | 7 | 879.57 | 7 | 519.38 | 7 | 158.28 | 7 | 16.42 | 7 | 7 |
| 7 1/4 | 2,677.43 | 7 1/4 | 2,316.35 | 7 1/4 | 1,955.33 | 7 1/4 | 1,594.23 | 7 1/4 | 1,233.14 | 7 1/4 | 872.04 | 7 1/4 | 511.88 | 7 1/4 | 150.75 | 7 1/4 | 16.42 | 7 1/4 | 7 1/4 |
| 7 1/2 | 2,669.91 | 7 1/2 | 2,308.83 | 7 1/2 | 1,947.80 | 7 1/2 | 1,586.71 | 7 1/2 | 1,225.61 | 7 1/2 | 864.52 | 7 1/2 | 504.38 | 7 1/2 | 143.22 | 7 1/2 | 16.42 | 7 1/2 | 7 1/2 |
| 7 3/4 | 2,662.39 | 7 3/4 | 2,301.30 | 7 3/4 | 1,940.28 | 7 3/4 | 1,579.19 | 7 3/4 | 1,218.09 | 7 3/4 | 857.00 | 7 3/4 | 496.88 | 7 3/4 | 135.69 | 7 3/4 | 16.42 | 7 3/4 | 7 3/4 |
| 8 | 2,654.88 | 8 | 2,293.78 | 8 | 1,932.76 | 8 | 1,571.66 | 8 | 1,210.57 | 8 | 849.47 | 8 | 489.38 | 8 | 128.16 | 8 | 16.42 | 8 | 8 |
| 8 1/4 | 2,647.36 | 8 1/4 | 2,286.26 | 8 1/4 | 1,925.23 | 8 1/4 | 1,564.14 | 8 1/4 | 1,203.04 | 8 1/4 | 841.95 | 8 1/4 | 481.88 | 8 1/4 | 120.63 | 8 1/4 | 16.42 | 8 1/4 | 8 1/4 |
| 8 1/2 | 2,639.84 | 8 1/2 | 2,278.75 | 8 1/2 | 1,917.71 | 8 1/2 | 1,556.61 | 8 1/2 | 1,195.52 | 8 1/2 | 834.44 | 8 1/2 | 474.38 | 8 1/2 | 113.09 | 8 1/2 | 16.42 | 8 1/2 | 8 1/2 |
| 8 3/4 | 2,632.32 | 8 3/4 | 2,271.23 | 8 3/4 | 1,910.19 | 8 3/4 | 1,549.09 | 8 3/4 | 1,188.00 | 8 3/4 | 826.92 | 8 3/4 | 466.84 | 8 3/4 | 105.55 | 8 3/4 | 16.42 | 8 3/4 | 8 3/4 |
| 9 | 2,624.80 | 9 | 2,263.71 | 9 | 1,902.66 | 9 | 1,541.57 | 9 | 1,180.47 | 9 | 819.40 | 9 | 459.33 | 9 | 98.02 | 9 | 16.42 | 9 | 9 |
| 9 1/4 | 2,617.28 | 9 1/4 | 2,256.19 | 9 1/4 | 1,895.14 | 9 1/4 | 1,534.05 | 9 1/4 | 1,172.95 | 9 1/4 | 811.89 | 9 1/4 | 451.80 | 9 1/4 | 90.49 | 9 1/4 | 16.42 | 9 1/4 | 9 1/4 |
| 9 1/2 | 2,609.76 | 9 1/2 | 2,248.66 | 9 1/2 | 1,887.63 | 9 1/2 | 1,526.53 | 9 1/2 | 1,165.42 | 9 1/2 | 804.39 | 9 1/2 | 444.28 | 9 1/2 | 82.96 | 9 1/2 | 16.42 | 9 1/2 | 9 1/2 |
| 9 3/4 | 2,602.23 | 9 3/4 | 2,241.14 | 9 3/4 | 1,880.11 | 9 3/4 | 1,519.01 | 9 3/4 | 1,157.90 | 9 3/4 | 796.88 | 9 3/4 | 436.76 | 9 3/4 | 75.43 | 9 3/4 | 16.42 | 9 3/4 | 9 3/4 |
| 10 | 2,594.71 | 10 | 2,233.61 | 10 | 1,872.59 | 10 | 1,511.50 | 10 | 1,150.38 | 10 | 789.38 | 10 | 429.23 | 10 | 67.90 | 10 | 16.42 | 10 | 10 |
| 10 1/4 | 2,587.19 | 10 1/4 | 2,226.09 | 10 1/4 | 1,865.07 | 10 1/4 | 1,503.97 | 10 1/4 | 1,142.86 | 10 1/4 | 781.88 | 10 1/4 | 421.71 | 10 1/4 | 60.38 | 10 1/4 | 16.42 | 10 1/4 | 10 1/4 |
| 10 1/2 | 2,579.66 | 10 1/2 | 2,218.57 | 10 1/2 | 1,857.54 | 10 1/2 | 1,496.45 | 10 1/2 | 1,135.34 | 10 1/2 | 774.38 | 10 1/2 | 414.19 | 10 1/2 | 53.46 | 10 1/2 | 16.42 | 10 1/2 | 10 1/2 |
| 10 3/4 | 2,572.14 | 10 3/4 | 2,211.04 | 10 3/4 | 1,850.02 | 10 3/4 | 1,488.92 | 10 3/4 | 1,127.82 | 10 3/4 | 766.88 | 10 3/4 | 406.66 | 10 3/4 | 46.24 | 10 3/4 | 16.42 | 10 3/4 | 10 3/4 |
| 11 | 2,564.61 | 11 | 2,203.52 | 11 | 1,842.50 | 11 | 1,481.40 | 11 | 1,120.30 | 11 | 759.38 | 11 | 399.14 | 11 | 39.02 | 11 | 16.42 | 11 | 11 |
| 11 1/4 | 2,557.09 | 11 1/4 | 2,196.00 | 11 1/4 | 1,834.97 | 11 1/4 | 1,473.88 | 11 1/4 | 1,112.78 | 11 1/4 | 751.88 | 11 1/4 | 391.61 | 11 1/4 | 33.37 | 11 1/4 | 16.42 | 11 1/4 | 11 1/4 |
| 11 1/2 | 2,549.57 | 11 1/2 | 2,188.48 | 11 1/2 | 1,827.45 | 11 1/2 | 1,466.35 | 11 1/2 | 1,105.26 | 11 1/2 | 744.38 | 11 1/2 | 384.09 | 11 1/2 | 27.72 | 11 1/2 | 16.42 | 11 1/2 | 11 1/2 |
| 11 3/4 | 2,542.04 | 11 3/4 | 2,180.97 | 11 3/4 | 1,819.92 | 11 3/4 | 1,458.83 | 11 3/4 | 1,097.73 | 11 3/4 | 736.88 | 11 3/4 | 376.57 | 11 3/4 | 22.07 | 11 3/4 | 16.42 | 11 3/4 | 11 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 08281995 CTC
DECK MEASUREMENTS: 10122004 SW CL
REPRINTED: 11/22/2004 SW

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

[Signature]

CANCELS AND SUPERCEDES ALL PRIOR TO 11/2004



BARGE "KIRBY 30403"

3 STBD ULLAGE TABLE

FORMERLY "HW 3039"

| CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS | | GAUGE HEIGHT 17'-11 1/2" | | | | | | | | | | | | | | | | | | | |
|--|----|--------------------------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|
| | | 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 | N | M |
| 0 | 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 | 14 |
| 12 | 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 | 34 |
| 1 | 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 | 14 |
| 12 | 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 | 34 |
| 2 | 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 | 14 |
| 12 | 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 | 34 |
| 3 | 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 | 14 |
| 12 | 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 | 34 |
| 4 | 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 | 14 |
| 12 | 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 | 34 |
| 5 | 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 | 14 |
| 12 | 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 | 34 |
| 6 | 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 | 14 |
| 12 | 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 | 34 |
| 7 | 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 | 14 |
| 12 | 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 | 34 |
| 8 | 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 | 14 |
| 12 | 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 | 34 |
| 9 | 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 | 14 |
| 12 | 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 | 34 |
| 10 | 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 | 14 |
| 12 | 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 | 34 |
| 11 | 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 | 14 |
| 12 | 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 | 34 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE
GAUGE POINT: (HERMETIC) LOCATED 12'-07" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

SHEET NO. 11 OF 12

