



BARGE "WEB 313"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 234'-00"

February 10, 2012

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

<http://www.pmacorp.net>



BARGE "WEB 313"

1 CENTER INNAGE TABLE

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

GAUGE HEIGHT 15'-11 3/4"

	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2.81	0	377.35	0	850.99	0	1,374.20	0	1,902.11	0	2,430.12	0	2,958.13	0	3,486.14	0	4,014.15	0	4,542.16	
1/4	5.76	1/4	386.63	1/4	861.65	1/4	1,386.19	1/4	1,913.11	1/4	2,441.12	1/4	2,969.13	1/4	3,497.14	1/4	4,025.15	1/4	4,553.16	
1/2	8.70	1/2	395.92	1/2	872.11	1/2	1,396.19	1/2	1,924.11	1/2	2,452.12	1/2	2,980.13	1/2	3,508.14	1/2	4,036.15	1/2	4,564.16	
3/4	11.65	3/4	405.20	3/4	882.67	3/4	1,407.18	3/4	1,935.11	3/4	2,463.12	3/4	2,991.13	3/4	3,519.14	3/4	4,047.15	3/4	4,575.16	
1	14.59	1	414.48	1	893.23	1	1,418.17	1	1,946.11	1	2,474.12	1	3,002.13	1	3,530.14	1	4,058.15	1	4,586.16	
1/4	19.32	1/4	423.87	1/4	903.90	1/4	1,429.17	1/4	1,957.11	1/4	2,485.12	1/4	3,013.13	1/4	3,541.14	1/4	4,069.15	1/4	4,597.16	
1/2	24.05	1/2	433.26	1/2	914.57	1/2	1,440.16	1/2	1,968.12	1/2	2,496.13	1/2	3,024.13	1/2	3,552.14	1/2	4,080.15	1/2	4,608.16	
3/4	28.78	3/4	442.64	3/4	925.23	3/4	1,451.16	3/4	1,979.12	3/4	2,507.13	3/4	3,035.13	3/4	3,563.14	3/4	4,091.15	3/4	4,619.16	
2	33.51	2	452.03	2	935.90	2	1,462.15	2	1,990.12	2	2,518.13	2	3,046.13	2	3,574.14	2	4,102.15	2	4,630.16	
1/4	40.82	1/4	461.53	1/4	946.68	1/4	1,473.14	1/4	2,001.12	1/4	2,529.13	1/4	3,057.13	1/4	3,585.14	1/4	4,113.15	1/4	4,641.16	
1/2	48.12	1/2	471.02	1/2	957.45	1/2	1,484.14	1/2	2,012.12	1/2	2,540.13	1/2	3,068.14	1/2	3,596.15	1/2	4,124.15	1/2	4,652.16	
3/4	55.43	3/4	480.52	3/4	968.23	3/4	1,495.13	3/4	2,023.12	3/4	2,551.13	3/4	3,079.14	3/4	3,607.15	3/4	4,135.15	3/4	4,663.16	
3	62.73	3	490.01	3	979.00	3	1,506.12	3	2,034.12	3	2,562.13	3	3,090.14	3	3,618.15	3	4,146.15	3	4,674.16	
1/4	70.97	1/4	499.61	1/4	989.88	1/4	1,517.12	1/4	2,045.12	1/4	2,573.13	1/4	3,101.14	1/4	3,629.15	1/4	4,157.15	1/4	4,685.16	
1/2	79.21	1/2	509.21	1/2	1,000.76	1/2	1,528.12	1/2	2,056.12	1/2	2,584.13	1/2	3,112.14	1/2	3,640.15	1/2	4,168.16	1/2	4,696.17	
3/4	87.45	3/4	518.81	3/4	1,011.64	3/4	1,539.11	3/4	2,067.12	3/4	2,595.13	3/4	3,123.14	3/4	3,651.15	3/4	4,179.16	3/4	4,707.17	
4	95.69	4	528.41	4	1,022.52	4	1,550.11	4	2,078.12	4	2,606.13	4	3,134.14	4	3,662.15	4	4,190.16	4	4,718.17	
1/4	104.12	1/4	538.12	1/4	1,033.48	1/4	1,561.11	1/4	2,089.12	1/4	2,617.13	1/4	3,145.14	1/4	3,673.15	1/4	4,201.16	1/4	4,729.17	
1/2	112.55	1/2	547.83	1/2	1,044.45	1/2	1,572.11	1/2	2,100.12	1/2	2,628.13	1/2	3,156.14	1/2	3,684.15	1/2	4,212.16	1/2	4,740.17	
3/4	120.98	3/4	557.53	3/4	1,055.41	3/4	1,583.11	3/4	2,111.12	3/4	2,639.13	3/4	3,167.14	3/4	3,695.15	3/4	4,223.16	3/4	4,751.17	
5	129.41	5	567.24	5	1,066.37	5	1,594.11	5	2,122.12	5	2,650.13	5	3,178.14	5	3,706.15	5	4,234.16	5	4,762.17	
1/4	137.95	1/4	577.06	1/4	1,077.37	1/4	1,605.11	1/4	2,133.12	1/4	2,661.13	1/4	3,189.14	1/4	3,717.15	1/4	4,245.16	1/4	4,773.17	
1/2	146.48	1/2	586.87	1/2	1,088.36	1/2	1,616.11	1/2	2,144.12	1/2	2,672.13	1/2	3,200.14	1/2	3,728.15	1/2	4,256.16	1/2	4,784.17	
3/4	155.02	3/4	596.69	3/4	1,099.36	3/4	1,627.11	3/4	2,155.12	3/4	2,683.13	3/4	3,211.14	3/4	3,739.15	3/4	4,267.16	3/4	4,795.17	
6	163.55	6	606.50	6	1,110.35	6	1,638.11	6	2,166.12	6	2,694.13	6	3,222.14	6	3,750.15	6	4,278.16	6	4,806.17	
1/4	172.19	1/4	616.42	1/4	1,121.34	1/4	1,649.11	1/4	2,177.12	1/4	2,705.13	1/4	3,233.14	1/4	3,761.15	1/4	4,289.16	1/4	4,817.17	
1/2	180.84	1/2	626.34	1/2	1,132.34	1/2	1,660.11	1/2	2,188.12	1/2	2,716.13	1/2	3,244.14	1/2	3,772.15	1/2	4,300.16	1/2	4,828.17	
3/4	189.48	3/4	636.26	3/4	1,143.33	3/4	1,671.11	3/4	2,199.12	3/4	2,727.13	3/4	3,255.14	3/4	3,783.15	3/4	4,311.16	3/4	4,839.17	
7	198.12	7	646.18	7	1,154.32	7	1,682.11	7	2,210.12	7	2,738.13	7	3,266.14	7	3,794.15	7	4,322.16	7	4,850.17	
1/4	206.87	1/4	656.21	1/4	1,165.32	1/4	1,693.11	1/4	2,221.12	1/4	2,749.13	1/4	3,277.14	1/4	3,805.15	1/4	4,333.16	1/4	4,861.17	
1/2	215.62	1/2	666.24	1/2	1,176.31	1/2	1,704.11	1/2	2,232.12	1/2	2,760.13	1/2	3,288.14	1/2	3,816.15	1/2	4,344.16	1/2	4,872.17	
3/4	224.36	3/4	676.26	3/4	1,187.31	3/4	1,715.11	3/4	2,243.12	3/4	2,771.13	3/4	3,299.14	3/4	3,827.15	3/4	4,355.16	3/4	4,883.17	
8	233.11	8	686.29	8	1,198.30	8	1,726.11	8	2,254.12	8	2,782.13	8	3,310.14	8	3,838.15	8	4,366.16	8	4,894.17	
1/4	241.97	1/4	696.43	1/4	1,209.29	1/4	1,737.11	1/4	2,265.12	1/4	2,793.13	1/4	3,321.14	1/4	3,849.15	1/4	4,377.16	1/4	4,905.17	
1/2	250.82	1/2	706.56	1/2	1,220.29	1/2	1,748.11	1/2	2,276.12	1/2	2,804.13	1/2	3,332.14	1/2	3,860.15	1/2	4,388.16	1/2	4,916.17	
3/4	259.68	3/4	716.70	3/4	1,231.28	3/4	1,759.11	3/4	2,287.12	3/4	2,815.13	3/4	3,343.14	3/4	3,871.15	3/4	4,399.16	3/4	4,927.17	
9	268.53	9	726.83	9	1,242.27	9	1,770.11	9	2,298.12	9	2,826.13	9	3,354.14	9	3,882.15	9	4,410.16	9	4,938.17	
1/4	277.49	1/4	737.07	1/4	1,253.27	1/4	1,781.11	1/4	2,309.12	1/4	2,837.13	1/4	3,365.14	1/4	3,893.15	1/4	4,421.16	1/4	4,949.17	
1/2	286.46	1/2	747.31	1/2	1,264.26	1/2	1,792.11	1/2	2,320.12	1/2	2,848.13	1/2	3,376.14	1/2	3,904.15	1/2	4,432.16	1/2	4,960.17	
3/4	295.42	3/4	757.55	3/4	1,275.26	3/4	1,803.11	3/4	2,331.12	3/4	2,859.13	3/4	3,387.14	3/4	3,915.15	3/4	4,443.16	3/4	4,971.17	
10	304.38	10	767.79	10	1,286.25	10	1,814.11	10	2,342.12	10	2,870.13	10	3,398.14	10	3,926.15	10	4,454.16	10	4,982.17	
1/4	313.45	1/4	778.14	1/4	1,297.24	1/4	1,825.11	1/4	2,353.12	1/4	2,881.13	1/4	3,409.14	1/4	3,937.15	1/4	4,465.16	1/4	4,993.17	
1/2	322.52	1/2	788.49	1/2	1,308.24	1/2	1,836.11	1/2	2,364.12	1/2	2,892.13	1/2	3,420.14	1/2	3,948.15	1/2	4,476.16	1/2	5,004.17	
3/4	331.58	3/4	798.83	3/4	1,319.23	3/4	1,847.11	3/4	2,375.12	3/4	2,903.13	3/4	3,431.14	3/4	3,959.15	3/4	4,487.16	3/4	5,015.17	
11	340.65	11	809.18	11	1,330.22	11	1,858.11	11	2,386.12	11	2,914.13	11	3,442.14	11	3,970.15	11	4,498.16	11	5,026.17	
1/4	349.83	1/4	819.63	1/4	1,341.22	1/4	1,869.11	1/4	2,397.12	1/4	2,925.13	1/4	3,453.14	1/4	3,981.15	1/4	4,509.16	1/4	5,037.17	
1/2	359.00	1/2	830.09	1/2	1,352.21	1/2	1,880.11	1/2	2,408.12	1/2	2,936.13	1/2	3,464.14	1/2	3,992.15	1/2	4,520.16	1/2	5,048.17	
3/4	368.18	3/4	840.54	3/4	1,363.21	3/4	1,891.11	3/4	2,419.12	3/4	2,947.13	3/4	3,475.14	3/4	4,003.15	3/4	4,531.16	3/4	5,059.17	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 5'-00" OFF CENTERLINE AND 33'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "WEB 313"

1 CENTER INNAGE TABLE

Gauge Height 15'-11 3/4"

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

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	5,070.17	0	5,598.18	0	6,126.19	0	6,654.20	0	7,182.21	0	7,710.22	0	8,238.23	0	8,766.24	0	9,294.25	0	9,822.26
1/4	5,081.17	1/4	5,609.18	1/4	6,137.19	1/4	6,665.20	1/4	7,193.21	1/4	7,721.22	1/4	8,249.23	1/4	8,777.24	1/4	9,305.25	1/4	9,833.26
1/2	5,092.17	1/2	5,620.18	1/2	6,148.19	1/2	6,676.20	1/2	7,204.21	1/2	7,732.22	1/2	8,260.23	1/2	8,788.24	1/2	9,316.25	1/2	9,844.26
3/4	5,103.17	3/4	5,631.18	3/4	6,159.19	3/4	6,687.20	3/4	7,215.21	3/4	7,743.22	3/4	8,271.23	3/4	8,800.24	3/4	9,327.25	3/4	9,855.26
1	5,114.17	1	5,642.18	1	6,170.19	1	6,698.20	1	7,226.21	1	7,754.22	1	8,282.23	1	8,811.24	1	9,338.25	1	9,866.26
1 1/4	5,125.17	1 1/4	5,653.18	1 1/4	6,181.16	1 1/4	6,709.20	1 1/4	7,237.21	1 1/4	7,765.22	1 1/4	8,293.23	1 1/4	8,822.24	1 1/4	9,349.25	1 1/4	9,877.26
1 1/2	5,136.17	1 1/2	5,664.18	1 1/2	6,192.13	1 1/2	6,720.20	1 1/2	7,248.21	1 1/2	7,776.22	1 1/2	8,304.23	1 1/2	8,833.24	1 1/2	9,360.25	1 1/2	9,888.26
3 1/4	5,147.17	3 1/4	5,675.18	3 1/4	6,203.11	3 1/4	6,731.20	3 1/4	7,259.21	3 1/4	7,787.22	3 1/4	8,315.23	3 1/4	8,844.24	3 1/4	9,371.25	3 1/4	9,900.26
2	5,158.17	2	5,686.18	2	6,214.08	2	6,739.37	2	7,261.85	2	7,789.37	2	8,317.85	2	8,846.37	2	9,373.85	2	9,902.37
2 1/4	5,169.17	2 1/4	5,697.18	2 1/4	6,225.02	2 1/4	6,750.31	2 1/4	7,271.30	2 1/4	7,791.30	2 1/4	8,319.30	2 1/4	8,848.30	2 1/4	9,375.30	2 1/4	9,904.30
2 1/2	5,180.17	2 1/2	5,708.18	2 1/2	6,235.97	2 1/2	6,761.25	2 1/2	7,280.75	2 1/2	7,799.75	2 1/2	8,321.75	2 1/2	8,850.75	2 1/2	9,377.75	2 1/2	9,906.75
3 1/4	5,191.17	3 1/4	5,719.18	3 1/4	6,246.91	3 1/4	6,772.20	3 1/4	7,290.21	3 1/4	7,800.21	3 1/4	8,323.21	3 1/4	8,852.21	3 1/4	9,379.21	3 1/4	9,908.21
3	5,202.17	3	5,730.18	3	6,257.86	3	6,783.14	3	7,299.66	3	7,809.66	3	8,333.66	3	8,862.66	3	9,381.66	3	9,910.66
3 1/4	5,213.17	3 1/4	5,741.18	3 1/4	6,268.80	3 1/4	6,794.08	3 1/4	7,307.59	3 1/4	7,817.59	3 1/4	8,335.59	3 1/4	8,870.59	3 1/4	9,383.59	3 1/4	9,912.59
1/2	5,224.17	1/2	5,752.18	1/2	6,279.74	1/2	6,805.02	1/2	7,315.52	1/2	7,825.52	1/2	8,337.52	1/2	8,872.52	1/2	9,385.52	1/2	9,914.52
3/4	5,235.17	3/4	5,763.18	3/4	6,290.69	3/4	6,815.97	3/4	7,323.45	3/4	7,834.45	3/4	8,339.45	3/4	8,874.45	3/4	9,387.45	3/4	9,916.45
4	5,246.17	4	5,774.18	4	6,301.63	4	6,826.91	4	7,331.38	4	7,844.38	4	8,341.38	4	8,876.38	4	9,389.38	4	9,918.38
4 1/4	5,257.17	4 1/4	5,785.18	4 1/4	6,312.57	4 1/4	6,837.85	4 1/4	7,337.74	4 1/4	7,850.74	4 1/4	8,343.74	4 1/4	8,878.74	4 1/4	9,391.74	4 1/4	9,920.74
1/2	5,268.18	1/2	5,796.18	1/2	6,323.51	1/2	6,848.80	1/2	7,344.09	1/2	7,857.09	1/2	8,345.09	1/2	8,880.09	1/2	9,393.09	1/2	9,922.09
3/4	5,279.18	3/4	5,807.19	3/4	6,334.46	3/4	6,859.74	3/4	7,350.45	3/4	7,864.45	3/4	8,347.45	3/4	8,882.45	3/4	9,395.45	3/4	9,924.45
5	5,290.18	5	5,818.19	5	6,345.40	5	6,870.69	5	7,356.81	5	7,870.81	5	8,349.81	5	8,884.81	5	9,397.81	5	9,926.81
5 1/4	5,301.18	5 1/4	5,829.19	5 1/4	6,356.34	5 1/4	6,881.63	5 1/4	7,361.60	5 1/4	7,875.60	5 1/4	8,351.60	5 1/4	8,886.60	5 1/4	9,399.60	5 1/4	9,928.60
1/2	5,312.18	1/2	5,840.19	1/2	6,367.29	1/2	6,892.57	1/2	7,366.38	1/2	7,880.38	1/2	8,353.38	1/2	8,888.38	1/2	9,401.38	1/2	9,930.38
3/4	5,323.18	3/4	5,851.19	3/4	6,378.23	3/4	6,903.52	3/4	7,371.17	3/4	7,885.17	3/4	8,355.17	3/4	8,890.17	3/4	9,403.17	3/4	9,932.17
6	5,334.18	6	5,862.19	6	6,389.18	6	6,914.46	6	7,375.96	6	7,889.96	6	8,357.96	6	8,892.96	6	9,405.96	6	9,934.96
6 1/4	5,345.18	6 1/4	5,873.19	6 1/4	6,400.12	6 1/4	6,925.40	6 1/4	7,379.17	6 1/4	7,893.17	6 1/4	8,359.17	6 1/4	8,894.17	6 1/4	9,407.17	6 1/4	9,936.17
1/2	5,356.18	1/2	5,884.19	1/2	6,411.06	1/2	6,936.34	1/2	7,382.39	1/2	7,896.39	1/2	8,361.39	1/2	8,896.39	1/2	9,409.39	1/2	9,938.39
3/4	5,367.18	3/4	5,895.19	3/4	6,422.01	3/4	6,947.29	3/4	7,385.60	3/4	7,899.60	3/4	8,363.60	3/4	8,898.60	3/4	9,411.60	3/4	9,940.60
7	5,378.18	7	5,906.19	7	6,432.95	7	6,958.23	7	7,388.82	7	7,902.82	7	8,365.82	7	8,900.82	7	9,413.82	7	9,942.82
7 1/4	5,389.18	7 1/4	5,917.19	7 1/4	6,443.89	7 1/4	6,969.17	7 1/4	7,390.46	7 1/4	7,905.46	7 1/4	8,367.46	7 1/4	8,902.46	7 1/4	9,415.46	7 1/4	9,944.46
1/2	5,400.18	1/2	5,928.19	1/2	6,454.84	1/2	6,980.11	1/2	7,392.10	1/2	7,907.10	1/2	8,369.10	1/2	8,904.10	1/2	9,417.10	1/2	9,946.10
3/4	5,411.18	3/4	5,939.19	3/4	6,465.78	3/4	6,991.06	3/4	7,393.75	3/4	7,908.75	3/4	8,371.75	3/4	8,905.75	3/4	9,419.75	3/4	9,948.75
8	5,422.18	8	5,950.19	8	6,476.73	8	7,002.00	8	7,395.39	8	7,910.39	8	8,373.39	8	8,906.39	8	9,421.39	8	9,950.39
8 1/4	5,433.18	8 1/4	5,961.19	8 1/4	6,487.67	8 1/4	7,012.91	8 1/4	7,396.24	8 1/4	7,911.24	8 1/4	8,375.24	8 1/4	8,907.24	8 1/4	9,423.24	8 1/4	9,952.24
1/2	5,444.18	1/2	5,972.19	1/2	6,498.61	1/2	7,023.82	1/2	7,397.10	1/2	7,912.10	1/2	8,376.10	1/2	8,908.10	1/2	9,425.10	1/2	9,954.10
3/4	5,455.18	3/4	5,983.19	3/4	6,509.56	3/4	7,034.74	3/4	7,398.45	3/4	7,913.45	3/4	8,377.45	3/4	8,909.45	3/4	9,427.45	3/4	9,956.45
9	5,466.18	9	5,994.19	9	6,520.50	9	7,045.65	9	7,399.60	9	7,914.60	9	8,378.60	9	8,910.60	9	9,429.60	9	9,958.60
9 1/4	5,477.18	9 1/4	6,005.19	9 1/4	6,531.44	9 1/4	7,056.53	9 1/4	7,400.85	9 1/4	7,915.85	9 1/4	8,379.85	9 1/4	8,911.85	9 1/4	9,431.85	9 1/4	9,960.85
1/2	5,488.18	1/2	6,016.19	1/2	6,542.38	1/2	7,067.41	1/2	7,401.70	1/2	7,916.70	1/2	8,380.70	1/2	8,912.70	1/2	9,433.70	1/2	9,962.70
3/4	5,499.18	3/4	6,027.19	3/4	6,553.33	3/4	7,078.29	3/4	7,402.55	3/4	7,917.55	3/4	8,381.55	3/4	8,913.55	3/4	9,435.55	3/4	9,964.55
10	5,510.18	10	6,038.19	10	6,564.27	10	7,089.17	10	7,403.40	10	7,918.40	10	8,382.40	10	8,914.40	10	9,437.40	10	9,966.40
10 1/4	5,521.18	10 1/4	6,049.19	10 1/4	6,575.21	10 1/4	7,100.05	10 1/4	7,404.25	10 1/4	7,919.25	10 1/4	8,383.25	10 1/4	8,915.25	10 1/4	9,439.25	10 1/4	9,968.25
1/2	5,532.18	1/2	6,060.19	1/2	6,586.16	1/2	7,110.92	1/2	7,405.10	1/2	7,920.10	1/2	8,384.10	1/2	8,916.10	1/2	9,441.10	1/2	9,970.10
3/4	5,543.18	3/4	6,071.19	3/4	6,597.10	3/4	7,121.80	3/4	7,405.95	3/4	7,921.05	3/4	8,385.05	3/4	8,917.05	3/4	9,443.05	3/4	9,972.05
11	5,554.18	11	6,082.19	11	6,608.05	11	7,132.68	11	7,406.80	11	7,921.90	11	8,385.90	11	8,918.90	11	9,445.90	11	9,974.90
11 1/4	5,565.18	11 1/4	6,093.19	11 1/4	6,618.99	11 1/4	7,143.56	11 1/4	7,407.65	11 1/4	7,922.80	11 1/4	8,386.80	11 1/4	8,919.80	11 1/4	9,447.80	11 1/4	9,976.80
1/2	5,576.18	1/2	6,104.19	1/2	6,629.93	1/2	7,154.44	1/2	7,408.50	1/2	7,923.70	1/2	8,387.70	1/2	8,920.70	1/2	9,449.70	1/2	9,978.70
3/4	5,587.18	3/4	6,115.19	3/4	6,640.88	3/4	7,165.32	3/4	7,409.35	3/4	7,924.60	3/4	8,388.60	3/4	8,921.60	3/4	9,451.60	3/4	9,980.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2001 ITS
DECK MEASUREMENTS: 02/01/2012 SW
REPRINTED: 02/10/2012 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2012

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



BARGE "WEB 313"

2 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-10 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	14.00	0	272.29	0	535.60	0	798.29	0	1,061.44	0	1,324.76	0	1,588.07	0	1,851.39	0	2,114.71	0	2,378.03
1/4	18.35	1/4	277.78	1/4	541.09	1/4	803.76	1/4	1,066.93	1/4	1,330.25	1/4	1,593.66	1/4	1,856.88	1/4	2,120.19	1/4	2,383.52
1/2	22.69	1/2	283.26	1/2	546.58	1/2	809.22	1/2	1,072.41	1/2	1,336.73	1/2	1,599.04	1/2	1,862.36	1/2	2,125.68	1/2	2,389.00
3/4	27.04	3/4	288.75	3/4	552.06	3/4	814.69	3/4	1,077.90	3/4	1,341.22	3/4	1,604.53	3/4	1,867.85	3/4	2,131.16	3/4	2,394.49
1	31.38	1	294.23	1	557.55	1	820.15	1	1,083.38	1	1,346.70	1	1,610.02	1	1,873.34	1	2,136.65	1	2,399.97
1/4	36.75	1/4	299.72	1/4	563.04	1/4	825.62	1/4	1,088.87	1/4	1,352.19	1/4	1,615.50	1/4	1,878.82	1/4	2,142.14	1/4	2,405.46
1/2	42.12	1/2	305.20	1/2	568.52	1/2	831.08	1/2	1,094.35	1/2	1,357.67	1/2	1,620.99	1/2	1,884.31	1/2	2,147.62	1/2	2,410.95
3/4	47.49	3/4	310.69	3/4	574.01	3/4	836.55	3/4	1,099.84	3/4	1,363.16	3/4	1,626.47	3/4	1,889.79	3/4	2,153.11	3/4	2,416.43
2	52.86	2	316.17	2	579.49	2	842.01	2	1,105.32	2	1,368.64	2	1,631.96	2	1,895.28	2	2,158.60	2	2,421.92
1/4	58.35	1/4	321.66	1/4	584.98	1/4	847.50	1/4	1,110.81	1/4	1,374.13	1/4	1,637.44	1/4	1,900.76	1/4	2,164.08	1/4	2,427.41
1/2	63.83	1/2	327.15	1/2	590.46	1/2	852.98	1/2	1,116.30	1/2	1,379.62	1/2	1,642.93	1/2	1,906.25	1/2	2,169.57	1/2	2,432.89
3/4	69.32	3/4	332.63	3/4	595.95	3/4	858.47	3/4	1,121.78	3/4	1,385.10	3/4	1,648.41	3/4	1,911.73	3/4	2,175.05	3/4	2,438.38
3	74.80	3	338.12	3	601.43	3	863.95	3	1,127.27	3	1,390.59	3	1,653.90	3	1,917.22	3	2,180.54	3	2,443.86
1/4	80.29	1/4	343.61	1/4	606.92	1/4	869.44	1/4	1,132.76	1/4	1,396.08	1/4	1,659.39	1/4	1,922.71	1/4	2,186.02	1/4	2,449.35
1/2	85.78	1/2	349.09	1/2	612.40	1/2	874.92	1/2	1,138.24	1/2	1,401.56	1/2	1,664.87	1/2	1,928.19	1/2	2,191.51	1/2	2,454.83
3/4	91.26	3/4	354.58	3/4	617.89	3/4	880.41	3/4	1,143.73	3/4	1,407.05	3/4	1,670.36	3/4	1,933.68	3/4	2,196.99	3/4	2,460.32
4	96.75	4	360.06	4	623.37	4	885.89	4	1,149.21	4	1,412.53	4	1,675.85	4	1,939.17	4	2,202.48	4	2,465.80
1/4	102.24	1/4	365.55	1/4	628.84	1/4	891.38	1/4	1,154.70	1/4	1,418.02	1/4	1,681.33	1/4	1,944.65	1/4	2,207.97	1/4	2,471.29
1/2	107.72	1/2	371.03	1/2	634.32	1/2	896.86	1/2	1,160.18	1/2	1,423.50	1/2	1,686.82	1/2	1,950.14	1/2	2,213.45	1/2	2,476.78
3/4	113.21	3/4	376.52	3/4	639.79	3/4	902.35	3/4	1,165.67	3/4	1,428.99	3/4	1,692.30	3/4	1,955.62	3/4	2,218.94	3/4	2,482.26
5	118.69	5	382.00	5	645.26	5	907.83	5	1,171.15	5	1,434.47	5	1,697.79	5	1,961.11	5	2,224.43	5	2,487.75
1/4	124.18	1/4	387.49	1/4	650.73	1/4	913.32	1/4	1,176.64	1/4	1,439.96	1/4	1,703.27	1/4	1,966.59	1/4	2,229.91	1/4	2,493.24
1/2	129.66	1/2	392.98	1/2	656.19	1/2	918.81	1/2	1,182.13	1/2	1,445.44	1/2	1,708.76	1/2	1,972.08	1/2	2,235.40	1/2	2,498.72
3/4	135.15	3/4	398.46	3/4	661.66	3/4	924.29	3/4	1,187.61	3/4	1,450.93	3/4	1,714.24	3/4	1,977.56	3/4	2,240.88	3/4	2,504.21
6	140.63	6	403.95	6	667.12	6	929.78	6	1,193.10	6	1,456.41	6	1,719.73	6	1,983.05	6	2,246.37	6	2,509.69
1/4	146.12	1/4	409.44	1/4	672.59	1/4	935.27	1/4	1,198.59	1/4	1,461.90	1/4	1,725.22	1/4	1,988.53	1/4	2,251.85	1/4	2,515.18
1/2	151.60	1/2	414.92	1/2	678.05	1/2	940.75	1/2	1,204.07	1/2	1,467.39	1/2	1,730.70	1/2	1,994.02	1/2	2,257.34	1/2	2,520.66
3/4	157.09	3/4	420.41	3/4	683.52	3/4	946.24	3/4	1,209.56	3/4	1,472.87	3/4	1,736.19	3/4	1,999.50	3/4	2,262.82	3/4	2,526.15
7	162.57	7	425.89	7	688.98	7	951.72	7	1,215.04	7	1,478.36	7	1,741.68	7	2,004.99	7	2,268.31	7	2,531.63
1/4	168.06	1/4	431.38	1/4	694.45	1/4	957.21	1/4	1,220.53	1/4	1,483.84	1/4	1,747.16	1/4	2,010.48	1/4	2,273.80	1/4	2,537.12
1/2	173.55	1/2	436.86	1/2	699.91	1/2	962.69	1/2	1,226.01	1/2	1,489.33	1/2	1,752.65	1/2	2,015.96	1/2	2,279.28	1/2	2,542.60
3/4	179.03	3/4	442.35	3/4	705.38	3/4	968.18	3/4	1,231.50	3/4	1,494.81	3/4	1,758.13	3/4	2,021.45	3/4	2,284.77	3/4	2,548.09
8	184.52	8	447.83	8	710.84	8	973.66	8	1,236.98	8	1,500.30	8	1,763.62	8	2,026.94	8	2,290.26	8	2,553.57
1/4	190.01	1/4	453.32	1/4	716.31	1/4	979.15	1/4	1,242.47	1/4	1,505.78	1/4	1,769.10	1/4	2,032.42	1/4	2,295.74	1/4	2,559.06
1/2	195.49	1/2	458.80	1/2	721.77	1/2	984.64	1/2	1,247.96	1/2	1,511.27	1/2	1,774.59	1/2	2,037.91	1/2	2,301.23	1/2	2,564.55
3/4	200.98	3/4	464.29	3/4	727.24	3/4	990.12	3/4	1,253.44	3/4	1,516.75	3/4	1,780.07	3/4	2,043.39	3/4	2,306.71	3/4	2,570.03
9	206.46	9	469.77	9	732.70	9	995.61	9	1,258.93	9	1,522.24	9	1,785.56	9	2,048.88	9	2,312.20	9	2,575.52
1/4	211.95	1/4	475.26	1/4	738.17	1/4	1,001.10	1/4	1,264.42	1/4	1,527.73	1/4	1,791.05	1/4	2,054.36	1/4	2,317.68	1/4	2,581.01
1/2	217.43	1/2	480.75	1/2	743.63	1/2	1,006.58	1/2	1,269.90	1/2	1,533.21	1/2	1,796.53	1/2	2,059.85	1/2	2,323.17	1/2	2,586.49
3/4	222.92	3/4	486.23	3/4	749.10	3/4	1,012.07	3/4	1,275.39	3/4	1,538.70	3/4	1,802.02	3/4	2,065.33	3/4	2,328.65	3/4	2,591.98
10	228.40	10	491.72	10	754.66	10	1,017.55	10	1,280.87	10	1,544.19	10	1,807.51	10	2,070.82	10	2,334.14	10	2,597.46
1/4	233.89	1/4	497.21	1/4	760.03	1/4	1,023.04	1/4	1,286.36	1/4	1,549.67	1/4	1,812.99	1/4	2,076.31	1/4	2,339.63	1/4	2,602.95
1/2	239.38	1/2	502.69	1/2	765.50	1/2	1,028.52	1/2	1,291.84	1/2	1,555.16	1/2	1,818.48	1/2	2,081.79	1/2	2,345.11	1/2	2,608.43
3/4	244.86	3/4	508.18	3/4	770.96	3/4	1,034.01	3/4	1,297.33	3/4	1,560.64	3/4	1,823.96	3/4	2,087.28	3/4	2,350.60	3/4	2,613.92
11	250.35	11	513.66	11	776.43	11	1,039.49	11	1,302.81	11	1,566.13	11	1,829.45	11	2,092.77	11	2,356.09	11	2,619.40
1/4	255.84	1/4	519.15	1/4	781.90	1/4	1,044.98	1/4	1,308.30	1/4	1,571.61	1/4	1,834.93	1/4	2,098.25	1/4	2,361.57	1/4	2,624.89
1/2	261.32	1/2	524.63	1/2	787.36	1/2	1,050.47	1/2	1,313.79	1/2	1,577.10	1/2	1,840.42	1/2	2,103.74	1/2	2,367.06	1/2	2,630.38
3/4	266.81	3/4	530.12	3/4	792.83	3/4	1,055.95	3/4	1,319.27	3/4	1,582.58	3/4	1,845.90	3/4	2,109.22	3/4	2,372.55	3/4	2,635.86

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 9'-03" OFF CENTERLINE AND 33'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "WEB 313"

2 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,641.35	0	2,904.67	0	3,167.98	0	3,431.30	0	3,693.91	0	0	0	0	0	0	0	0	0	0
1/4	2,646.84	1/4	2,910.16	1/4	3,173.47	1/4	3,436.79	1/4	3,699.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,652.32	1/2	2,915.64	1/2	3,178.96	1/2	3,442.28	1/2	3,704.13	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,657.81	3/4	2,921.13	3/4	3,184.44	3/4	3,447.76	3/4	3,709.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,663.29	1	2,926.61	1	3,189.93	1	3,453.25	1	3,714.34	1	1	1	1	1	1	1	1	1	1
1 1/4	2,668.78	1 1/4	2,932.10	1 1/4	3,195.42	1 1/4	3,458.74	1 1/4	3,718.71	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,674.26	1 1/2	2,937.58	1 1/2	3,200.90	1 1/2	3,464.22	1 1/2	3,723.09	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,679.75	3/4	2,943.07	3/4	3,206.39	3/4	3,469.71	3/4	3,727.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,685.23	2	2,948.55	2	3,211.87	2	3,475.19	2	3,731.83	2	2	2	2	2	2	2	2	2	2
1 1/4	2,690.72	1 1/4	2,954.04	1 1/4	3,217.36	1 1/4	3,480.68	1 1/4	3,735.42	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,696.21	1 1/2	2,959.53	1 1/2	3,222.84	1 1/2	3,486.16	1 1/2	3,739.01	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,701.69	3/4	2,965.01	3/4	3,228.33	3/4	3,491.65	3/4	3,742.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,707.18	3	2,970.50	3	3,233.81	3	3,497.13	3	3,746.19	3	3	3	3	3	3	3	3	3	3
1 1/4	2,712.67	1 1/4	2,975.99	1 1/4	3,239.30	1 1/4	3,502.62	1 1/4	3,749.00	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,718.15	1 1/2	2,981.47	1 1/2	3,244.79	1 1/2	3,508.11	1 1/2	3,751.80	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,723.64	3/4	2,986.96	3/4	3,250.27	3/4	3,513.59	3/4	3,754.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,729.12	4	2,992.44	4	3,255.76	4	3,519.08	4	3,757.41	4	4	4	4	4	4	4	4	4	4
1 1/4	2,734.61	1 1/4	2,997.93	1 1/4	3,261.25	1 1/4	3,524.57	1 1/4	3,759.43	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,740.09	1 1/2	3,003.41	1 1/2	3,266.73	1 1/2	3,530.05	1 1/2	3,761.45	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,745.58	3/4	3,008.90	3/4	3,272.22	3/4	3,535.54	3/4	3,763.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,751.06	5	3,014.38	5	3,277.70	5	3,541.02	5	3,765.49	5	5	5	5	5	5	5	5	5	5
1 1/4	2,756.55	1 1/4	3,019.87	1 1/4	3,283.19	1 1/4	3,546.51	1 1/4	3,766.73	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,762.04	1 1/2	3,025.36	1 1/2	3,288.67	1 1/2	3,551.99	1 1/2	3,767.97	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,767.52	3/4	3,030.84	3/4	3,294.16	3/4	3,557.48	3/4	3,769.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,773.01	6	3,036.33	6	3,299.64	6	3,562.96	6	3,770.45	6	6	6	6	6	6	6	6	6	6
1 1/4	2,778.50	1 1/4	3,041.82	1 1/4	3,305.13	1 1/4	3,568.45	1 1/4	3,770.90	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,783.98	1 1/2	3,047.30	1 1/2	3,310.62	1 1/2	3,573.94	1 1/2	3,771.36	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,789.47	3/4	3,052.79	3/4	3,316.10	3/4	3,579.42	3/4	3,771.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,794.95	7	3,058.27	7	3,321.59	7	3,584.91	7	3,772.23	7	7	7	7	7	7	7	7	7	7
1 1/4	2,800.44	1 1/4	3,063.76	1 1/4	3,327.08	1 1/4	3,590.36	1 1/4	3,772.44	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,805.92	1 1/2	3,069.24	1 1/2	3,332.56	1 1/2	3,595.81	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,811.41	3/4	3,074.73	3/4	3,338.05	3/4	3,601.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	2,816.89	8	3,080.21	8	3,343.53	8	3,606.70	8		8	8	8	8	8	8	8	8	8	8
1 1/4	2,822.38	1 1/4	3,085.70	1 1/4	3,349.02	1 1/4	3,612.16	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,827.87	1 1/2	3,091.18	1 1/2	3,354.50	1 1/2	3,617.60	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,833.35	3/4	3,096.67	3/4	3,359.99	3/4	3,623.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	2,838.84	9	3,102.15	9	3,365.47	9	3,628.50	9		9	9	9	9	9	9	9	9	9	9
1 1/4	2,844.33	1 1/4	3,107.64	1 1/4	3,370.96	1 1/4	3,633.95	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,849.81	1 1/2	3,113.13	1 1/2	3,376.45	1 1/2	3,639.40	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,855.30	3/4	3,118.61	3/4	3,381.93	3/4	3,644.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	2,860.78	10	3,124.10	10	3,387.42	10	3,650.30	10		10	10	10	10	10	10	10	10	10	10
1 1/4	2,866.27	1 1/4	3,129.59	1 1/4	3,392.91	1 1/4	3,655.75	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,871.75	1 1/2	3,135.07	1 1/2	3,398.39	1 1/2	3,661.21	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,877.24	3/4	3,140.56	3/4	3,403.88	3/4	3,666.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	2,882.72	11	3,146.04	11	3,409.36	11	3,672.11	11		11	11	11	11	11	11	11	11	11	11
1 1/4	2,888.21	1 1/4	3,151.53	1 1/4	3,414.85	1 1/4	3,677.56	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,893.70	1 1/2	3,157.01	1 1/2	3,420.33	1 1/2	3,683.01	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,899.18	3/4	3,162.50	3/4	3,425.82	3/4	3,688.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2001 ITS
DECK MEASUREMENTS: 02/01/2012 SW
REPRINTED: 02/10/2012 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2012

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



BARGE "WEB 313"

2 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-10 1/8"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,641.94	0	2,905.24	0	3,168.55	0	3,431.85	0	3,694.50	0		0		0		0		0	
1/4	2,647.43	1/4	2,910.73	1/4	3,174.04	1/4	3,437.34	1/4	3,699.61	1/4		1/4		1/4		1/4		1/4	
1/2	2,652.91	1/2	2,916.21	1/2	3,179.52	1/2	3,442.82	1/2	3,704.72	1/2		1/2		1/2		1/2		1/2	
3/4	2,658.40	3/4	2,921.70	3/4	3,185.01	3/4	3,448.31	3/4	3,709.83	3/4		3/4		3/4		3/4		3/4	
1	2,663.88	1	2,927.18	1	3,190.49	1	3,453.79	1	3,714.94	1		1		1		1		1	
1/4	2,669.37	1/4	2,932.67	1/4	3,195.98	1/4	3,459.28	1/4	3,719.31	1/4		1/4		1/4		1/4		1/4	
1/2	2,674.85	1/2	2,938.16	1/2	3,201.46	1/2	3,464.76	1/2	3,723.69	1/2		1/2		1/2		1/2		1/2	
3/4	2,680.34	3/4	2,943.64	3/4	3,206.95	3/4	3,470.25	3/4	3,728.06	3/4		3/4		3/4		3/4		3/4	
2	2,685.82	2	2,949.13	2	3,212.43	2	3,475.73	2	3,732.43	2		2		2		2		2	
1/4	2,691.31	1/4	2,954.62	1/4	3,217.92	1/4	3,481.22	1/4	3,736.02	1/4		1/4		1/4		1/4		1/4	
1/2	2,696.79	1/2	2,960.10	1/2	3,223.40	1/2	3,486.71	1/2	3,739.62	1/2		1/2		1/2		1/2		1/2	
3/4	2,702.28	3/4	2,965.59	3/4	3,228.89	3/4	3,492.19	3/4	3,743.21	3/4		3/4		3/4		3/4		3/4	
3	2,707.76	3	2,971.07	3	3,234.37	3	3,497.68	3	3,746.80	3		3		3		3		3	
1/4	2,713.25	1/4	2,976.56	1/4	3,239.86	1/4	3,503.17	1/4	3,749.61	1/4		1/4		1/4		1/4		1/4	
1/2	2,718.74	1/2	2,982.04	1/2	3,245.34	1/2	3,508.65	1/2	3,752.42	1/2		1/2		1/2		1/2		1/2	
3/4	2,724.22	3/4	2,987.53	3/4	3,250.83	3/4	3,514.14	3/4	3,755.22	3/4		3/4		3/4		3/4		3/4	
4	2,729.71	4	2,993.01	4	3,256.31	4	3,519.62	4	3,758.03	4		4		4		4		4	
1/4	2,735.20	1/4	2,998.50	1/4	3,261.80	1/4	3,525.11	1/4	3,760.05	1/4		1/4		1/4		1/4		1/4	
1/2	2,740.68	1/2	3,003.98	1/2	3,267.29	1/2	3,530.59	1/2	3,762.08	1/2		1/2		1/2		1/2		1/2	
3/4	2,746.17	3/4	3,009.47	3/4	3,272.77	3/4	3,536.08	3/4	3,764.10	3/4		3/4		3/4		3/4		3/4	
5	2,751.65	5	3,014.95	5	3,278.26	5	3,541.56	5	3,766.12	5		5		5		5		5	
1/4	2,757.14	1/4	3,020.44	1/4	3,283.75	1/4	3,547.05	1/4	3,767.36	1/4		1/4		1/4		1/4		1/4	
1/2	2,762.62	1/2	3,025.92	1/2	3,289.23	1/2	3,552.53	1/2	3,768.61	1/2		1/2		1/2		1/2		1/2	
3/4	2,768.11	3/4	3,031.41	3/4	3,294.72	3/4	3,558.02	3/4	3,769.85	3/4		3/4		3/4		3/4		3/4	
6	2,773.59	6	3,036.89	6	3,300.20	6	3,563.50	6	3,771.09	6		6		6		6		6	
1/4	2,779.08	1/4	3,042.38	1/4	3,305.69	1/4	3,568.99	1/4	3,771.55	1/4		1/4		1/4		1/4		1/4	
1/2	2,784.56	1/2	3,047.87	1/2	3,311.17	1/2	3,574.47	1/2	3,772.00	1/2		1/2		1/2		1/2		1/2	
3/4	2,790.05	3/4	3,053.35	3/4	3,316.66	3/4	3,579.96	3/4	3,772.46	3/4		3/4		3/4		3/4		3/4	
7	2,795.53	7	3,058.84	7	3,322.14	7	3,585.44	7	3,772.88	7		7		7		7		7	
1/4	2,801.02	1/4	3,064.33	1/4	3,327.63	1/4	3,590.90	1/4	3,773.09	1/4		1/4		1/4		1/4		1/4	
1/2	2,806.50	1/2	3,069.81	1/2	3,333.11	1/2	3,596.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,811.99	3/4	3,075.30	3/4	3,338.60	3/4	3,601.81	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,817.47	8	3,080.78	8	3,344.08	8	3,607.26	8		8		8		8		8		8	
1/4	2,822.96	1/4	3,086.27	1/4	3,349.57	1/4	3,612.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,828.45	1/2	3,091.75	1/2	3,355.05	1/2	3,618.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,833.93	3/4	3,097.24	3/4	3,360.54	3/4	3,623.62	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,839.42	9	3,102.72	9	3,366.02	9	3,629.07	9		9		9		9		9		9	
1/4	2,844.91	1/4	3,108.21	1/4	3,371.51	1/4	3,634.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,850.39	1/2	3,113.69	1/2	3,377.00	1/2	3,639.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,855.88	3/4	3,119.18	3/4	3,382.48	3/4	3,645.43	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,861.36	10	3,124.66	10	3,387.97	10	3,650.88	10		10		10		10		10		10	
1/4	2,866.85	1/4	3,130.15	1/4	3,393.46	1/4	3,656.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,872.33	1/2	3,135.63	1/2	3,398.94	1/2	3,661.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,877.82	3/4	3,141.12	3/4	3,404.43	3/4	3,667.24	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,883.30	11	3,146.60	11	3,409.91	11	3,672.69	11		11		11		11		11		11	
1/4	2,888.79	1/4	3,152.09	1/4	3,415.40	1/4	3,678.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,894.27	1/2	3,157.58	1/2	3,420.88	1/2	3,683.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,899.76	3/4	3,163.06	3/4	3,426.37	3/4	3,689.05	3/4		3/4		3/4		3/4		3/4		3/4	

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ALL PRIOR TO 02/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "WEB 313"

3 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-10"

	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	14.01	0	272.36	0	535.75	0	798.50	0	1,061.72	0	1,325.11	0	1,588.49	0	1,851.88	0	2,115.26	0	2,378.65	
1/4	18.35	1/4	277.85	1/4	541.24	1/4	803.97	1/4	1,067.21	1/4	1,330.60	1/4	1,593.98	1/4	1,857.37	1/4	2,120.75	1/4	2,384.14	
1/2	22.70	1/2	283.34	1/2	546.73	1/2	809.44	1/2	1,072.70	1/2	1,336.08	1/2	1,599.46	1/2	1,862.85	1/2	2,126.23	1/2	2,389.63	
3/4	27.04	3/4	288.82	3/4	552.21	3/4	814.90	3/4	1,078.18	3/4	1,341.57	3/4	1,604.95	3/4	1,868.34	3/4	2,131.72	3/4	2,395.11	
1	31.38	1	294.31	1	557.70	1	820.37	1	1,083.67	1	1,347.05	1	1,610.44	1	1,873.83	1	2,137.21	1	2,400.60	
1/4	36.75	1/4	299.80	1/4	563.19	1/4	825.84	1/4	1,089.16	1/4	1,352.54	1/4	1,615.93	1/4	1,879.31	1/4	2,142.70	1/4	2,406.09	
1/2	42.13	1/2	305.29	1/2	568.68	1/2	831.31	1/2	1,094.65	1/2	1,358.03	1/2	1,621.41	1/2	1,884.80	1/2	2,148.18	1/2	2,411.58	
3/4	47.50	3/4	310.77	3/4	574.16	3/4	836.77	3/4	1,100.13	3/4	1,363.51	3/4	1,626.90	3/4	1,890.28	3/4	2,153.67	3/4	2,417.06	
2	52.87	2	316.26	2	579.65	2	842.24	2	1,105.62	2	1,369.00	2	1,632.39	2	1,895.77	2	2,159.16	2	2,422.55	
1/4	58.36	1/4	321.75	1/4	585.14	1/4	847.72	1/4	1,111.11	1/4	1,374.49	1/4	1,637.88	1/4	1,901.26	1/4	2,164.65	1/4	2,428.04	
1/2	63.85	1/2	327.24	1/2	590.62	1/2	853.21	1/2	1,116.60	1/2	1,379.98	1/2	1,643.36	1/2	1,906.74	1/2	2,170.13	1/2	2,433.52	
3/4	69.33	3/4	332.72	3/4	596.11	3/4	858.69	3/4	1,122.08	3/4	1,385.46	3/4	1,648.85	3/4	1,912.23	3/4	2,175.62	3/4	2,439.01	
3	74.82	3	338.21	3	601.59	3	864.18	3	1,127.57	3	1,390.95	3	1,654.34	3	1,917.72	3	2,181.11	3	2,444.49	
1/4	80.31	1/4	343.70	1/4	607.08	1/4	869.67	1/4	1,133.06	1/4	1,396.44	1/4	1,659.83	1/4	1,923.21	1/4	2,186.60	1/4	2,449.98	
1/2	85.80	1/2	349.19	1/2	612.57	1/2	875.15	1/2	1,138.55	1/2	1,401.93	1/2	1,665.31	1/2	1,928.69	1/2	2,192.08	1/2	2,455.47	
3/4	91.28	3/4	354.67	3/4	618.05	3/4	880.64	3/4	1,144.03	3/4	1,407.41	3/4	1,670.80	3/4	1,934.18	3/4	2,197.57	3/4	2,460.95	
4	96.77	4	360.16	4	623.54	4	886.13	4	1,149.52	4	1,412.90	4	1,676.29	4	1,939.67	4	2,203.06	4	2,466.44	
1/4	102.26	1/4	365.65	1/4	629.01	1/4	891.62	1/4	1,155.01	1/4	1,418.39	1/4	1,681.78	1/4	1,945.16	1/4	2,208.55	1/4	2,471.93	
1/2	107.75	1/2	371.14	1/2	634.49	1/2	897.10	1/2	1,160.49	1/2	1,423.87	1/2	1,687.26	1/2	1,950.64	1/2	2,214.03	1/2	2,477.42	
3/4	113.23	3/4	376.62	3/4	639.96	3/4	902.59	3/4	1,165.98	3/4	1,429.36	3/4	1,692.75	3/4	1,956.13	3/4	2,219.52	3/4	2,482.90	
5	118.72	5	382.11	5	645.43	5	908.08	5	1,171.46	5	1,434.85	5	1,698.24	5	1,961.62	5	2,225.01	5	2,488.39	
1/4	124.21	1/4	387.60	1/4	650.90	1/4	913.57	1/4	1,176.95	1/4	1,440.34	1/4	1,703.72	1/4	1,967.11	1/4	2,230.50	1/4	2,493.88	
1/2	129.70	1/2	393.09	1/2	656.37	1/2	919.05	1/2	1,182.44	1/2	1,445.82	1/2	1,709.21	1/2	1,972.59	1/2	2,236.99	1/2	2,499.37	
3/4	135.18	3/4	398.57	3/4	661.83	3/4	924.54	3/4	1,187.92	3/4	1,451.31	3/4	1,714.69	3/4	1,978.08	3/4	2,241.47	3/4	2,504.85	
6	140.67	6	404.06	6	667.30	6	930.03	6	1,193.41	6	1,456.80	6	1,720.18	6	1,983.57	6	2,246.96	6	2,510.34	
1/4	146.16	1/4	409.55	1/4	672.77	1/4	935.52	1/4	1,198.90	1/4	1,462.29	1/4	1,725.67	1/4	1,989.06	1/4	2,252.45	1/4	2,515.83	
1/2	151.65	1/2	415.03	1/2	678.23	1/2	941.00	1/2	1,204.39	1/2	1,467.77	1/2	1,731.15	1/2	1,994.54	1/2	2,257.93	1/2	2,521.32	
3/4	157.13	3/4	420.52	3/4	683.70	3/4	946.49	3/4	1,209.87	3/4	1,473.26	3/4	1,736.64	3/4	2,000.03	3/4	2,263.42	3/4	2,526.80	
7	162.62	7	426.00	7	689.16	7	951.98	7	1,215.36	7	1,478.75	7	1,742.13	7	2,005.52	7	2,268.90	7	2,532.29	
1/4	168.11	1/4	431.49	1/4	694.63	1/4	957.47	1/4	1,220.85	1/4	1,484.24	1/4	1,747.62	1/4	2,011.01	1/4	2,274.39	1/4	2,537.78	
1/2	173.60	1/2	436.98	1/2	700.10	1/2	962.95	1/2	1,226.34	1/2	1,489.72	1/2	1,753.10	1/2	2,016.49	1/2	2,279.88	1/2	2,543.27	
3/4	179.08	3/4	442.46	3/4	705.56	3/4	968.44	3/4	1,231.82	3/4	1,495.21	3/4	1,758.59	3/4	2,021.98	3/4	2,285.36	3/4	2,548.75	
8	184.57	8	447.95	8	711.03	8	973.93	8	1,237.31	8	1,500.70	8	1,764.08	8	2,027.47	8	2,290.85	8	2,554.24	
1/4	190.06	1/4	453.44	1/4	716.50	1/4	979.41	1/4	1,242.80	1/4	1,506.19	1/4	1,769.57	1/4	2,032.96	1/4	2,296.34	1/4	2,559.73	
1/2	195.55	1/2	458.93	1/2	721.97	1/2	984.90	1/2	1,248.29	1/2	1,511.67	1/2	1,775.05	1/2	2,038.44	1/2	2,301.83	1/2	2,565.22	
3/4	201.03	3/4	464.41	3/4	727.43	3/4	990.38	3/4	1,253.77	3/4	1,517.16	3/4	1,780.54	3/4	2,043.93	3/4	2,307.31	3/4	2,570.70	
9	206.52	9	469.90	9	732.90	9	995.87	9	1,259.26	9	1,522.65	9	1,786.03	9	2,049.42	9	2,312.80	9	2,576.19	
1/4	212.01	1/4	475.39	1/4	738.37	1/4	1,001.36	1/4	1,264.75	1/4	1,528.13	1/4	1,791.52	1/4	2,054.91	1/4	2,318.29	1/4	2,581.68	
1/2	217.50	1/2	480.88	1/2	743.84	1/2	1,006.85	1/2	1,270.24	1/2	1,533.62	1/2	1,797.00	1/2	2,060.39	1/2	2,323.78	1/2	2,587.17	
3/4	222.98	3/4	486.36	3/4	749.30	3/4	1,012.33	3/4	1,275.72	3/4	1,539.10	3/4	1,802.49	3/4	2,065.88	3/4	2,329.26	3/4	2,592.65	
10	228.47	10	491.85	10	754.77	10	1,017.82	10	1,281.21	10	1,544.59	10	1,807.98	10	2,071.37	10	2,334.75	10	2,598.14	
1/4	233.96	1/4	497.34	1/4	760.24	1/4	1,023.31	1/4	1,286.70	1/4	1,550.08	1/4	1,813.47	1/4	2,076.85	1/4	2,340.24	1/4	2,603.63	
1/2	239.44	1/2	502.83	1/2	765.70	1/2	1,028.80	1/2	1,292.19	1/2	1,555.56	1/2	1,818.95	1/2	2,082.34	1/2	2,345.73	1/2	2,609.12	
3/4	244.93	3/4	508.31	3/4	771.17	3/4	1,034.28	3/4	1,297.67	3/4	1,561.05	3/4	1,824.44	3/4	2,087.82	3/4	2,351.21	3/4	2,614.60	
11	250.41	11	513.80	11	776.63	11	1,039.77	11	1,303.16	11	1,566.54	11	1,829.93	11	2,093.31	11	2,356.70	11	2,620.09	
1/4	255.90	1/4	519.29	1/4	782.10	1/4	1,045.26	1/4	1,308.65	1/4	1,572.03	1/4	1,835.42	1/4	2,098.80	1/4	2,362.19	1/4	2,625.58	
1/2	261.39	1/2	524.78	1/2	787.57	1/2	1,050.75	1/2	1,314.14	1/2	1,577.51	1/2	1,840.90	1/2	2,104.28	1/2	2,367.68	1/2	2,631.06	
3/4	266.87	3/4	530.26	3/4	793.03	3/4	1,056.23	3/4	1,319.62	3/4	1,583.00	3/4	1,846.39	3/4	2,109.77	3/4	2,373.16	3/4	2,636.55	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 9'-03" OFF CENTERLINE AND 33'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "WEB 313"

3 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,642.03	0	2,905.42	0	3,168.81	0	3,432.19	0	3,694.90	0	0	0	0	0	0	0	0	0	0
1/4	2,647.52	1/4	2,910.91	1/4	3,174.30	1/4	3,437.68	1/4	3,700.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,653.01	1/2	2,916.40	1/2	3,179.78	1/2	3,443.17	1/2	3,705.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,658.49	3/4	2,921.88	3/4	3,185.27	3/4	3,448.65	3/4	3,710.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,663.98	1	2,927.37	1	3,190.75	1	3,454.14	1	3,715.34	1	1	1	1	1	1	1	1	1	1
1/4	2,669.47	1/4	2,932.86	1/4	3,196.24	1/4	3,459.63	1/4	3,719.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,674.96	1/2	2,938.35	1/2	3,201.73	1/2	3,465.12	1/2	3,724.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,680.44	3/4	2,943.83	3/4	3,207.21	3/4	3,470.60	3/4	3,728.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,685.93	2	2,949.32	2	3,212.70	2	3,476.09	2	3,732.83	2	2	2	2	2	2	2	2	2	2
1/4	2,691.42	1/4	2,954.81	1/4	3,218.19	1/4	3,481.58	1/4	3,736.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,696.91	1/2	2,960.30	1/2	3,223.68	1/2	3,487.07	1/2	3,740.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,702.39	3/4	2,965.78	3/4	3,229.16	3/4	3,492.55	3/4	3,743.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,707.88	3	2,971.27	3	3,234.65	3	3,498.04	3	3,747.19	3	3	3	3	3	3	3	3	3	3
1/4	2,713.37	1/4	2,976.76	1/4	3,240.14	1/4	3,503.53	1/4	3,750.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,718.86	1/2	2,982.24	1/2	3,245.63	1/2	3,509.02	1/2	3,752.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,724.34	3/4	2,987.73	3/4	3,251.11	3/4	3,514.50	3/4	3,755.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,729.83	4	2,993.21	4	3,256.60	4	3,519.99	4	3,758.42	4	4	4	4	4	4	4	4	4	4
1/4	2,735.32	1/4	2,998.70	1/4	3,262.09	1/4	3,525.48	1/4	3,760.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,740.81	1/2	3,004.19	1/2	3,267.58	1/2	3,530.96	1/2	3,762.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,746.29	3/4	3,009.67	3/4	3,273.06	3/4	3,536.45	3/4	3,764.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,751.78	5	3,015.16	5	3,278.55	5	3,541.93	5	3,766.51	5	5	5	5	5	5	5	5	5	5
1/4	2,757.27	1/4	3,020.65	1/4	3,284.04	1/4	3,547.42	1/4	3,767.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,762.76	1/2	3,026.14	1/2	3,289.53	1/2	3,552.91	1/2	3,768.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,768.24	3/4	3,031.62	3/4	3,295.01	3/4	3,558.39	3/4	3,770.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,773.73	6	3,037.11	6	3,300.50	6	3,563.88	6	3,771.46	6	6	6	6	6	6	6	6	6	6
1/4	2,779.22	1/4	3,042.60	1/4	3,305.99	1/4	3,569.37	1/4	3,771.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,784.71	1/2	3,048.09	1/2	3,311.48	1/2	3,574.86	1/2	3,772.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,790.19	3/4	3,053.57	3/4	3,316.96	3/4	3,580.34	3/4	3,772.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,795.68	7	3,059.06	7	3,322.45	7	3,585.83	7	3,773.07	7	7	7	7	7	7	7	7	7	7
1/4	2,801.17	1/4	3,064.55	1/4	3,327.94	1/4	3,591.29	1/8	3,773.46	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,806.65	1/2	3,070.04	1/2	3,333.43	1/2	3,596.75	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,812.14	3/4	3,075.52	3/4	3,338.91	3/4	3,602.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	2,817.62	8	3,081.01	8	3,344.40	8	3,607.67	8		8	8	8	8	8	8	8	8	8	8
1/4	2,823.11	1/4	3,086.50	1/4	3,349.89	1/4	3,613.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,828.60	1/2	3,091.99	1/2	3,355.37	1/2	3,618.58	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,834.08	3/4	3,097.47	3/4	3,360.86	3/4	3,624.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	2,839.57	9	3,102.96	9	3,366.34	9	3,629.48	9		9	9	9	9	9	9	9	9	9	9
1/4	2,845.06	1/4	3,108.45	1/4	3,371.83	1/4	3,634.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,850.55	1/2	3,113.94	1/2	3,377.32	1/2	3,640.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,856.03	3/4	3,119.42	3/4	3,382.80	3/4	3,645.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	2,861.52	10	3,124.91	10	3,388.29	10	3,651.29	10		10	10	10	10	10	10	10	10	10	10
1/4	2,867.01	1/4	3,130.40	1/4	3,393.78	1/4	3,656.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,872.50	1/2	3,135.89	1/2	3,399.27	1/2	3,662.19	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,877.98	3/4	3,141.37	3/4	3,404.75	3/4	3,667.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	2,883.47	11	3,146.86	11	3,410.24	11	3,673.09	11		11	11	11	11	11	11	11	11	11	11
1/4	2,888.96	1/4	3,152.35	1/4	3,415.73	1/4	3,678.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,894.45	1/2	3,157.84	1/2	3,421.22	1/2	3,684.00	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,899.93	3/4	3,163.32	3/4	3,426.70	3/4	3,689.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2001 ITS
DECK MEASUREMENTS: 02/01/2012 SW
REPRINTED: 02/10/2012 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "WEB 313"

3 STBD INNAGE TABLE

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

GAUGE HEIGHT 16'-10"

	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	14.01	272.32	535.66	798.94	1,062.28	1,325.62	1,588.96	1,852.30	2,115.65	2,378.99
1/4	18.35	277.81	541.15	804.43	1,067.77	1,331.11	1,594.45	1,857.79	2,121.13	2,384.48
1/2	22.70	283.29	546.64	809.91	1,073.25	1,336.60	1,599.93	1,863.27	2,126.62	2,389.96
3/4	27.04	288.78	552.12	815.40	1,078.74	1,342.08	1,605.42	1,868.76	2,132.10	2,395.45
1	31.38	294.26	557.61	820.88	1,084.22	1,347.57	1,610.91	1,874.25	2,137.59	2,400.93
1/4	36.75	299.75	563.10	826.37	1,089.71	1,353.06	1,616.39	1,879.74	2,143.08	2,406.42
1/2	42.13	305.24	568.58	831.86	1,095.20	1,358.54	1,621.88	1,885.22	2,148.56	2,411.91
3/4	47.50	310.72	574.07	837.34	1,100.68	1,364.03	1,627.36	1,890.71	2,154.05	2,417.39
2	52.87	316.21	579.55	842.83	1,106.17	1,369.51	1,632.85	1,896.20	2,159.54	2,422.88
1/4	58.36	321.70	585.04	848.32	1,111.66	1,375.00	1,638.34	1,901.68	2,165.02	2,428.37
1/2	63.84	327.18	590.53	853.80	1,117.14	1,380.48	1,643.82	1,907.17	2,170.51	2,433.86
3/4	69.33	332.67	596.01	859.29	1,122.63	1,385.97	1,649.31	1,912.65	2,176.00	2,439.34
3	74.81	338.15	601.50	864.77	1,128.11	1,391.46	1,654.80	1,918.14	2,181.48	2,444.83
1/4	80.30	343.64	606.99	870.26	1,133.60	1,396.94	1,660.28	1,923.63	2,186.97	2,450.32
1/2	85.79	349.13	612.47	875.75	1,139.09	1,402.43	1,665.77	1,929.11	2,192.45	2,455.80
3/4	91.27	354.61	617.96	881.23	1,144.57	1,407.91	1,671.25	1,934.60	2,197.94	2,461.29
4	96.76	360.10	623.44	886.72	1,150.06	1,413.40	1,676.74	1,940.09	2,203.43	2,466.77
1/4	102.25	365.59	628.93	892.21	1,155.55	1,418.89	1,682.23	1,945.57	2,208.91	2,472.26
1/2	107.73	371.07	634.42	897.69	1,161.03	1,424.37	1,687.71	1,951.06	2,214.40	2,477.75
3/4	113.22	376.56	639.90	903.18	1,166.52	1,429.86	1,693.20	1,956.54	2,219.88	2,483.23
5	118.70	382.04	645.39	908.66	1,172.00	1,435.35	1,698.69	1,962.03	2,225.37	2,488.72
1/4	124.19	387.53	650.88	914.15	1,177.49	1,440.83	1,704.17	1,967.52	2,230.86	2,494.21
1/2	129.68	393.02	656.36	919.64	1,182.98	1,446.32	1,709.66	1,973.00	2,236.34	2,499.69
3/4	135.16	398.50	661.85	925.12	1,188.46	1,451.80	1,715.14	1,978.49	2,241.83	2,505.18
6	140.65	403.99	667.33	930.61	1,193.95	1,457.29	1,720.63	1,983.98	2,247.32	2,510.66
1/4	146.14	409.48	672.81	936.10	1,199.44	1,462.78	1,726.12	1,989.46	2,252.80	2,516.15
1/2	151.62	414.96	678.30	941.58	1,204.92	1,468.26	1,731.60	1,994.95	2,258.29	2,521.64
3/4	157.11	420.45	683.78	947.07	1,210.41	1,473.76	1,737.09	2,000.43	2,263.77	2,527.12
7	162.59	425.93	689.26	952.55	1,215.89	1,479.24	1,742.58	2,005.92	2,269.26	2,532.61
1/4	168.08	431.42	694.75	958.04	1,221.38	1,484.72	1,748.06	2,011.41	2,274.75	2,538.10
1/2	173.57	436.91	700.23	963.53	1,226.87	1,490.21	1,753.55	2,016.89	2,280.23	2,543.58
3/4	179.05	442.39	705.72	969.01	1,232.35	1,495.69	1,759.03	2,022.38	2,285.72	2,549.07
8	184.54	447.88	711.20	974.50	1,237.84	1,501.18	1,764.52	2,027.87	2,291.21	2,554.55
1/4	190.03	453.37	716.69	979.99	1,243.33	1,506.67	1,770.01	2,033.35	2,296.69	2,560.04
1/2	195.51	458.86	722.17	985.47	1,248.81	1,512.15	1,775.49	2,038.84	2,302.18	2,565.53
3/4	201.00	464.34	727.66	990.96	1,254.30	1,517.64	1,780.98	2,044.32	2,307.66	2,571.01
9	206.48	469.83	733.14	996.44	1,259.78	1,523.13	1,786.47	2,049.81	2,313.15	2,576.50
1/4	211.97	475.32	738.62	1,001.93	1,265.27	1,528.61	1,791.95	2,055.30	2,318.64	2,581.99
1/2	217.46	480.80	744.11	1,007.42	1,270.76	1,534.10	1,797.44	2,060.78	2,324.12	2,587.47
3/4	222.94	486.29	749.59	1,012.90	1,276.24	1,539.58	1,802.92	2,066.27	2,329.61	2,592.96
10	228.43	491.77	755.07	1,018.39	1,281.73	1,545.07	1,808.41	2,071.76	2,335.10	2,598.44
1/4	233.92	497.26	760.56	1,023.88	1,287.22	1,550.56	1,813.90	2,077.24	2,340.58	2,603.93
1/2	239.40	502.75	766.04	1,029.36	1,292.70	1,556.04	1,819.38	2,082.73	2,346.07	2,609.42
3/4	244.89	508.23	771.53	1,034.85	1,298.19	1,561.53	1,824.87	2,088.21	2,351.55	2,614.90
11	250.37	513.72	777.01	1,040.33	1,303.67	1,567.02	1,830.36	2,093.70	2,357.04	2,620.39
1/4	255.86	519.21	782.49	1,045.82	1,309.16	1,572.50	1,835.84	2,099.19	2,362.53	2,625.88
1/2	261.35	524.69	787.98	1,051.31	1,314.65	1,577.99	1,841.33	2,104.67	2,368.02	2,631.36
3/4	266.83	530.18	793.46	1,056.79	1,320.13	1,583.47	1,846.81	2,110.16	2,373.50	2,636.85

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 9'-03" OFF CENTERLINE AND 33'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "WEB 313"

3 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-10"

	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,642.33	0	2,906.67	0	3,169.02	0	3,432.36	0	3,695.07	0	0	0	0	0	0	0	0	0	0	0
1/4	2,647.82	1/4	2,911.16	1/4	3,174.51	1/4	3,437.85	1/4	3,700.18	1/4										
1/2	2,653.31	1/2	2,916.65	1/2	3,179.99	1/2	3,443.33	1/2	3,705.29	1/2										
3/4	2,658.79	3/4	2,922.13	3/4	3,185.48	3/4	3,448.82	3/4	3,710.40	3/4										
1	2,664.28	1	2,927.62	1	3,190.96	1	3,454.30	1	3,715.51	1										
1/4	2,669.77	1/4	2,933.11	1/4	3,196.45	1/4	3,459.79	1/4	3,719.89	1/4										
1/2	2,675.25	1/2	2,938.59	1/2	3,201.94	1/2	3,465.28	1/2	3,724.26	1/2										
3/4	2,680.74	3/4	2,944.08	3/4	3,207.42	3/4	3,470.76	3/4	3,728.64	3/4										
2	2,686.22	2	2,949.56	2	3,212.91	2	3,476.25	2	3,733.01	2										
1/4	2,691.71	1/4	2,955.05	1/4	3,218.40	1/4	3,481.74	1/4	3,736.60	1/4										
1/2	2,697.20	1/2	2,960.54	1/2	3,223.88	1/2	3,487.22	1/2	3,740.20	1/2										
3/4	2,702.68	3/4	2,966.02	3/4	3,229.37	3/4	3,492.71	3/4	3,743.79	3/4										
3	2,708.17	3	2,971.51	3	3,234.85	3	3,498.19	3	3,747.38	3										
1/4	2,713.66	1/4	2,977.00	1/4	3,240.34	1/4	3,503.68	1/4	3,750.19	1/4										
1/2	2,719.14	1/2	2,982.49	1/2	3,245.83	1/2	3,509.17	1/2	3,753.00	1/2										
3/4	2,724.63	3/4	2,987.97	3/4	3,251.31	3/4	3,514.65	3/4	3,755.80	3/4										
4	2,730.11	4	2,993.46	4	3,256.80	4	3,520.14	4	3,758.61	4										
1/4	2,735.60	1/4	2,998.95	1/4	3,262.29	1/4	3,525.63	1/4	3,760.64	1/4										
1/2	2,741.09	1/2	3,004.43	1/2	3,267.77	1/2	3,531.12	1/2	3,762.66	1/2										
3/4	2,746.57	3/4	3,009.92	3/4	3,273.26	3/4	3,536.60	3/4	3,764.69	3/4										
5	2,752.06	5	3,015.40	5	3,278.74	5	3,542.09	5	3,766.71	5										
1/4	2,757.55	1/4	3,020.89	1/4	3,284.23	1/4	3,547.58	1/4	3,767.95	1/4										
1/2	2,763.03	1/2	3,026.38	1/2	3,289.72	1/2	3,553.06	1/2	3,769.19	1/2										
3/4	2,768.52	3/4	3,031.86	3/4	3,295.20	3/4	3,558.55	3/4	3,770.43	3/4										
6	2,774.00	6	3,037.35	6	3,300.69	6	3,564.03	6	3,771.67	6										
1/4	2,779.49	1/4	3,042.84	1/4	3,306.18	1/4	3,569.52	1/4	3,772.28	1/4										
1/2	2,784.98	1/2	3,048.32	1/2	3,311.66	1/2	3,575.01	1/2	3,772.89	1/2										
3/4	2,790.46	3/4	3,053.81	3/4	3,317.15	3/4	3,580.49	3/4	3,773.50	3/4										
7	2,796.95	7	3,059.29	7	3,322.63	7	3,585.98	7	3,773.62	7										
1/4	2,801.44	1/4	3,064.78	1/4	3,328.12	1/4	3,591.44	1/4	3,773.68	1/4										
1/2	2,806.92	1/2	3,070.27	1/2	3,333.61	1/2	3,596.90	1/2		1/2										
3/4	2,812.41	3/4	3,075.75	3/4	3,339.09	3/4	3,602.36	3/4		3/4										
8	2,817.89	8	3,081.24	8	3,344.58	8	3,607.82	8		8										
1/4	2,823.38	1/4	3,086.73	1/4	3,350.07	1/4	3,613.27	1/4		1/4										
1/2	2,828.87	1/2	3,092.21	1/2	3,355.55	1/2	3,618.73	1/2		1/2										
3/4	2,834.35	3/4	3,097.70	3/4	3,361.04	3/4	3,624.18	3/4		3/4										
9	2,839.84	9	3,103.18	9	3,366.52	9	3,629.63	9		9										
1/4	2,845.33	1/4	3,108.67	1/4	3,372.01	1/4	3,635.08	1/4		1/4										
1/2	2,850.81	1/2	3,114.16	1/2	3,377.50	1/2	3,640.54	1/2		1/2										
3/4	2,856.30	3/4	3,119.64	3/4	3,382.98	3/4	3,645.99	3/4		3/4										
10	2,861.78	10	3,125.13	10	3,388.47	10	3,651.44	10		10										
1/4	2,867.27	1/4	3,130.62	1/4	3,393.96	1/4	3,656.90	1/4		1/4										
1/2	2,872.76	1/2	3,136.10	1/2	3,399.44	1/2	3,662.35	1/2		1/2										
3/4	2,878.24	3/4	3,141.59	3/4	3,404.93	3/4	3,667.81	3/4		3/4										
11	2,883.73	11	3,147.07	11	3,410.41	11	3,673.26	11		11										
1/4	2,889.22	1/4	3,152.56	1/4	3,415.90	1/4	3,678.71	1/4		1/4										
1/2	2,894.70	1/2	3,158.05	1/2	3,421.39	1/2	3,684.17	1/2		1/2										
3/4	2,900.19	3/4	3,163.53	3/4	3,426.87	3/4	3,689.62	3/4		3/4										

STRAPPED: 12/10/2001 ITS
DECK MEASUREMENTS: 02/01/2012 SW
REPRINTED: 02/10/2012 SW

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Pearland, Texas 77688
<http://www.pmacorp.net>



BARGE "WEB 313"

4 CENTER INNAGE TABLE

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

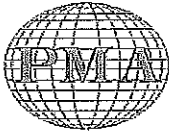
GAUGE HEIGHT 16'-00"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	3.25	0	435.62	0	915.25	0	1,394.37	0	1,873.67	0	2,353.30	0	2,832.94	0	3,312.57	0	3,792.21	0	4,271.68
1/4	6.17	1/4	446.61	1/4	925.24	1/4	1,404.35	1/4	1,883.66	1/4	2,363.29	1/4	2,842.93	1/4	3,322.56	1/4	3,802.20	1/4	4,281.65
1/2	9.08	1/2	455.61	1/2	935.23	1/2	1,414.32	1/2	1,893.66	1/2	2,373.28	1/2	2,862.92	1/2	3,332.55	1/2	3,812.19	1/2	4,291.63
3/4	12.00	3/4	465.60	3/4	945.23	3/4	1,424.30	3/4	1,903.65	3/4	2,383.28	3/4	2,882.92	3/4	3,342.55	3/4	3,822.19	3/4	4,301.60
1	14.91	1	475.59	1	955.22	1	1,434.27	1	1,913.64	1	2,393.27	1	2,872.91	1	3,352.54	1	3,832.18	1	4,311.58
1/4	21.16	1/4	485.58	1/4	965.21	1/4	1,444.24	1/4	1,923.63	1/4	2,403.26	1/4	2,882.90	1/4	3,362.53	1/4	3,842.17	1/4	4,321.56
1/2	27.42	1/2	495.58	1/2	975.20	1/2	1,454.22	1/2	1,933.62	1/2	2,413.26	1/2	2,892.89	1/2	3,372.52	1/2	3,862.16	1/2	4,331.53
3/4	33.67	3/4	505.57	3/4	985.20	3/4	1,464.19	3/4	1,943.61	3/4	2,423.25	3/4	2,902.89	3/4	3,382.52	3/4	3,882.16	3/4	4,341.51
2	39.92	2	515.56	2	995.19	2	1,474.16	2	1,953.60	2	2,433.24	2	2,912.88	2	3,392.51	2	3,872.15	2	4,351.49
1/4	48.88	1/4	525.55	1/4	1,005.18	1/4	1,484.14	1/4	1,963.59	1/4	2,443.23	1/4	2,922.87	1/4	3,402.50	1/4	3,882.14	1/4	4,361.47
1/2	57.85	1/2	535.55	1/2	1,015.18	1/2	1,494.11	1/2	1,973.59	1/2	2,453.22	1/2	2,932.86	1/2	3,412.49	1/2	3,892.13	1/2	4,371.44
3/4	66.81	3/4	545.54	3/4	1,025.17	3/4	1,504.09	3/4	1,983.58	3/4	2,463.22	3/4	2,942.85	3/4	3,422.49	3/4	3,902.13	3/4	4,381.42
3	75.77	3	555.53	3	1,035.16	3	1,514.06	3	1,993.57	3	2,473.21	3	2,952.84	3	3,432.48	3	3,912.12	3	4,391.40
1/4	85.77	1/4	565.52	1/4	1,045.15	1/4	1,524.04	1/4	2,003.56	1/4	2,483.20	1/4	2,962.83	1/4	3,442.47	1/4	3,922.11	1/4	4,401.37
1/2	95.78	1/2	575.52	1/2	1,055.15	1/2	1,534.01	1/2	2,013.56	1/2	2,493.19	1/2	2,972.82	1/2	3,452.46	1/2	3,932.10	1/2	4,411.35
3/4	105.78	3/4	585.51	3/4	1,065.14	3/4	1,543.99	3/4	2,023.55	3/4	2,503.19	3/4	2,982.82	3/4	3,462.46	3/4	3,942.09	3/4	4,421.32
4	115.78	4	595.50	4	1,075.13	4	1,553.96	4	2,033.54	4	2,513.18	4	2,992.81	4	3,472.45	4	3,952.08	4	4,431.30
1/4	125.79	1/4	605.49	1/4	1,085.12	1/4	1,563.95	1/4	2,043.53	1/4	2,523.17	1/4	3,002.80	1/4	3,482.44	1/4	3,962.07	1/4	4,441.28
1/2	135.79	1/2	615.49	1/2	1,095.11	1/2	1,573.93	1/2	2,053.53	1/2	2,533.16	1/2	3,012.79	1/2	3,492.43	1/2	3,972.06	1/2	4,451.25
3/4	145.80	3/4	625.48	3/4	1,105.09	3/4	1,583.92	3/4	2,063.52	3/4	2,543.16	3/4	3,022.79	3/4	3,502.43	3/4	3,982.06	3/4	4,461.23
5	155.80	5	635.47	5	1,115.08	5	1,593.90	5	2,073.51	5	2,553.15	5	3,032.78	5	3,512.42	5	3,992.05	5	4,471.21
1/4	165.80	1/4	645.46	1/4	1,125.06	1/4	1,603.89	1/4	2,083.50	1/4	2,563.14	1/4	3,042.77	1/4	3,522.41	1/4	4,002.04	1/4	4,481.18
1/2	175.80	1/2	655.45	1/2	1,135.04	1/2	1,613.88	1/2	2,093.50	1/2	2,573.13	1/2	3,052.76	1/2	3,532.40	1/2	4,012.03	1/2	4,491.16
3/4	185.80	3/4	665.45	3/4	1,145.01	3/4	1,623.87	3/4	2,103.49	3/4	2,583.13	3/4	3,062.76	3/4	3,542.40	3/4	4,022.03	3/4	4,501.13
6	195.80	6	675.44	6	1,154.99	6	1,633.86	6	2,113.48	6	2,593.12	6	3,072.75	6	3,552.39	6	4,032.02	6	4,511.11
1/4	205.79	1/4	685.43	1/4	1,164.97	1/4	1,643.85	1/4	2,123.47	1/4	2,603.11	1/4	3,082.74	1/4	3,562.38	1/4	4,042.01	1/4	4,521.09
1/2	215.79	1/2	695.42	1/2	1,174.94	1/2	1,653.85	1/2	2,133.47	1/2	2,613.10	1/2	3,092.73	1/2	3,572.37	1/2	4,052.00	1/2	4,531.06
3/4	225.78	3/4	705.41	3/4	1,184.92	3/4	1,663.84	3/4	2,143.46	3/4	2,623.10	3/4	3,102.73	3/4	3,582.37	3/4	4,062.00	3/4	4,541.04
7	235.77	7	715.40	7	1,194.89	7	1,673.83	7	2,153.45	7	2,633.09	7	3,112.72	7	3,592.36	7	4,071.99	7	4,551.02
1/4	245.76	1/4	725.39	1/4	1,204.87	1/4	1,683.82	1/4	2,163.44	1/4	2,643.08	1/4	3,122.71	1/4	3,602.35	1/4	4,081.98	1/4	4,561.00
1/2	255.76	1/2	735.38	1/2	1,214.84	1/2	1,693.81	1/2	2,173.44	1/2	2,653.07	1/2	3,132.70	1/2	3,612.34	1/2	4,091.97	1/2	4,570.97
3/4	265.75	3/4	745.38	3/4	1,224.82	3/4	1,703.80	3/4	2,183.43	3/4	2,663.07	3/4	3,142.70	3/4	3,622.34	3/4	4,101.97	3/4	4,580.95
8	275.74	8	755.37	8	1,234.79	8	1,713.79	8	2,193.42	8	2,673.06	8	3,152.69	8	3,632.33	8	4,111.96	8	4,590.93
1/4	285.73	1/4	765.36	1/4	1,244.76	1/4	1,723.78	1/4	2,203.41	1/4	2,683.05	1/4	3,162.68	1/4	3,642.32	1/4	4,121.95	1/4	4,600.90
1/2	295.73	1/2	775.35	1/2	1,254.74	1/2	1,733.78	1/2	2,213.41	1/2	2,693.04	1/2	3,172.67	1/2	3,652.31	1/2	4,131.94	1/2	4,610.88
3/4	305.72	3/4	785.35	3/4	1,264.71	3/4	1,743.77	3/4	2,223.40	3/4	2,703.04	3/4	3,182.67	3/4	3,662.31	3/4	4,141.94	3/4	4,620.85
9	315.71	9	795.34	9	1,274.68	9	1,753.76	9	2,233.39	9	2,713.03	9	3,192.66	9	3,672.30	9	4,151.93	9	4,630.83
1/4	325.70	1/4	805.33	1/4	1,284.66	1/4	1,763.75	1/4	2,243.38	1/4	2,723.02	1/4	3,202.65	1/4	3,682.29	1/4	4,161.91	1/4	4,640.81
1/2	335.70	1/2	815.32	1/2	1,294.63	1/2	1,773.75	1/2	2,253.38	1/2	2,733.01	1/2	3,212.64	1/2	3,692.28	1/2	4,171.90	1/2	4,650.78
3/4	345.69	3/4	825.32	3/4	1,304.61	3/4	1,783.74	3/4	2,263.37	3/4	2,743.01	3/4	3,222.64	3/4	3,702.28	3/4	4,181.88	3/4	4,660.76
10	355.68	10	835.31	10	1,314.58	10	1,793.73	10	2,273.36	10	2,753.00	10	3,232.63	10	3,712.27	10	4,191.87	10	4,670.74
1/4	365.67	1/4	845.30	1/4	1,324.55	1/4	1,803.72	1/4	2,283.35	1/4	2,762.99	1/4	3,242.62	1/4	3,722.26	1/4	4,201.84	1/4	4,680.71
1/2	375.67	1/2	855.29	1/2	1,334.53	1/2	1,813.72	1/2	2,293.34	1/2	2,772.98	1/2	3,252.61	1/2	3,732.25	1/2	4,211.82	1/2	4,690.69
3/4	385.66	3/4	865.29	3/4	1,344.50	3/4	1,823.71	3/4	2,303.34	3/4	2,782.98	3/4	3,262.61	3/4	3,742.25	3/4	4,221.79	3/4	4,700.66
11	395.65	11	875.28	11	1,354.47	11	1,833.70	11	2,313.33	11	2,792.97	11	3,272.60	11	3,752.24	11	4,231.77	11	4,710.64
1/4	405.64	1/4	885.27	1/4	1,364.45	1/4	1,843.69	1/4	2,323.32	1/4	2,802.96	1/4	3,282.59	1/4	3,762.23	1/4	4,241.75	1/4	4,720.62
1/2	415.64	1/2	895.26	1/2	1,374.42	1/2	1,853.69	1/2	2,333.31	1/2	2,812.95	1/2	3,292.58	1/2	3,772.22	1/2	4,251.72	1/2	4,730.60
3/4	425.63	3/4	905.26	3/4	1,384.40	3/4	1,863.68	3/4	2,343.31	3/4	2,822.95	3/4	3,302.58	3/4	3,782.22	3/4	4,261.70	3/4	4,740.57

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 6'-00" OFF CENTERLINE AND 26'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77888
<http://www.pmacorp.net>



BARGE "WEB 313"

4 CENTER INNAGE TABLE

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

GAUGE HEIGHT 16'-00"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	4,760.55	0	5,219.74	0	5,661.50	0	5,876.46	0	6,200.59	0		0		0				0	
1/4	4,760.53	1/4	5,227.50	1/4	5,658.31	1/4	5,883.22	1/4	6,207.31	1/4		1/4		1/4				1/4	
1/2	4,770.50	1/2	5,236.26	1/2	5,665.11	1/2	5,889.99	1/2	6,214.04	1/2		1/2		1/2				1/2	
3/4	4,780.48	3/4	5,243.03	3/4	5,671.92	3/4	5,896.75	3/4	6,220.76	3/4		3/4		3/4				3/4	
1	4,790.46	1	5,250.79	1	5,678.73	1	5,903.52	1	6,227.48	1		1		1				1	
1/4	4,800.43	1/4	5,257.90	1/4	5,685.52	1/4	5,910.28	1/4	6,234.07	1/4		1/4		1/4				1/4	
1/2	4,810.41	1/2	5,265.00	1/2	5,692.31	1/2	5,917.04	1/2	6,240.67	1/2		1/2		1/2				1/2	
3/4	4,820.38	3/4	5,272.11	3/4	5,699.10	3/4	5,923.81	3/4	6,247.26	3/4		3/4		3/4				3/4	
2	4,830.36	2	5,279.22	2	5,605.89	2	5,930.57	2	6,253.85	2		2		2				2	
1/4	4,840.34	1/4	5,286.03	1/4	5,612.65	1/4	5,937.33	1/4	6,259.85	1/4		1/4		1/4				1/4	
1/2	4,850.31	1/2	5,292.83	1/2	5,619.42	1/2	5,944.10	1/2	6,265.84	1/2		1/2		1/2				1/2	
3/4	4,860.29	3/4	5,299.64	3/4	5,626.18	3/4	5,950.86	3/4	6,271.84	3/4		3/4		3/4				3/4	
3	4,870.27	3	5,306.45	3	5,632.95	3	5,957.63	3	6,277.83	3		3		3				3	
1/4	4,880.24	1/4	5,313.26	1/4	5,639.71	1/4	5,964.39	1/4	6,282.84	1/4		1/4		1/4				1/4	
1/2	4,890.22	1/2	5,320.06	1/2	5,646.48	1/2	5,971.16	1/2	6,287.84	1/2		1/2		1/2				1/2	
3/4	4,900.19	3/4	5,326.87	3/4	5,653.24	3/4	5,977.92	3/4	6,292.85	3/4		3/4		3/4				3/4	
4	4,910.17	4	5,333.68	4	5,660.01	4	5,984.69	4	6,297.85	4		4		4				4	
1/4	4,920.14	1/4	5,340.48	1/4	5,666.77	1/4	5,991.45	1/4	6,301.86	1/4		1/4		1/4				1/4	
1/2	4,930.11	1/2	5,347.29	1/2	5,673.53	1/2	5,998.22	1/2	6,305.87	1/2		1/2		1/2				1/2	
3/4	4,940.08	3/4	5,354.09	3/4	5,680.30	3/4	6,004.98	3/4	6,309.88	3/4		3/4		3/4				3/4	
5	4,950.05	5	5,360.90	5	5,687.06	5	6,011.75	5	6,313.89	5		5		5				5	
1/4	4,960.00	1/4	5,367.71	1/4	5,693.82	1/4	6,018.51	1/4	6,316.91	1/4		1/4		1/4				1/4	
1/2	4,969.95	1/2	5,374.51	1/2	5,700.59	1/2	6,025.27	1/2	6,319.93	1/2		1/2		1/2				1/2	
3/4	4,979.91	3/4	5,381.32	3/4	5,707.35	3/4	6,032.04	3/4	6,322.94	3/4		3/4		3/4				3/4	
6	4,989.86	6	5,388.13	6	5,714.12	6	6,038.80	6	6,326.96	6		6		6				6	
1/4	4,999.81	1/4	5,394.94	1/4	5,720.88	1/4	6,045.56	1/4	6,327.99	1/4		1/4		1/4				1/4	
1/2	5,009.76	1/2	5,401.74	1/2	5,727.65	1/2	6,052.33	1/2	6,330.01	1/2		1/2		1/2				1/2	
3/4	5,019.72	3/4	5,408.55	3/4	5,734.41	3/4	6,059.09	3/4	6,332.04	3/4		3/4		3/4				3/4	
7	5,029.67	7	5,415.36	7	5,741.18	7	6,065.86	7	6,334.06	7		7		7				7	
1/4	5,039.62	1/4	5,422.17	1/4	5,747.94	1/4	6,072.63	1/4	6,335.09	1/4		1/4		1/4				1/4	
1/2	5,049.57	1/2	5,428.97	1/2	5,754.70	1/2	6,079.39	1/2	6,336.13	1/2		1/2		1/2				1/2	
3/4	5,059.53	3/4	5,435.78	3/4	5,761.47	3/4	6,086.16	3/4	6,337.16	3/4		3/4		3/4				3/4	
8	5,069.48	8	5,442.59	8	5,768.23	8	6,092.92	8	6,338.19	8		8		8				8	
1/4	5,079.43	1/4	5,449.40	1/4	5,774.99	1/4	6,099.67	1/4	6,338.60	1/4		1/4		1/4				1/4	
1/2	5,089.38	1/2	5,456.20	1/2	5,781.76	1/2	6,106.42	1/2	6,339.01	1/2		1/2		1/2				1/2	
3/4	5,099.34	3/4	5,463.01	3/4	5,788.52	3/4	6,113.16	3/4	6,339.22	3/4		3/4		3/4				3/4	
9	5,109.29	9	5,469.82	9	5,795.29	9	6,119.91	9		9		9		9				9	
1/4	5,119.10	1/4	5,476.63	1/4	5,802.05	1/4	6,126.64	1/4		1/4		1/4		1/4				1/4	
1/2	5,128.91	1/2	5,483.43	1/2	5,808.82	1/2	6,133.36	1/2		1/2		1/2		1/2				1/2	
3/4	5,138.72	3/4	5,490.24	3/4	5,815.58	3/4	6,140.09	3/4		3/4		3/4		3/4				3/4	
10	5,148.53	10	5,497.05	10	5,822.35	10	6,146.81	10		10		10		10				10	
1/4	5,157.81	1/4	5,503.85	1/4	5,829.11	1/4	6,153.53	1/4		1/4		1/4		1/4				1/4	
1/2	5,167.09	1/2	5,510.66	1/2	5,835.87	1/2	6,160.26	1/2		1/2		1/2		1/2				1/2	
3/4	5,176.38	3/4	5,517.46	3/4	5,842.64	3/4	6,166.98	3/4		3/4		3/4		3/4				3/4	
11	5,185.66	11	5,524.27	11	5,849.40	11	6,173.70	11		11		11		11				11	
1/4	5,194.18	1/4	5,531.08	1/4	5,856.16	1/4	6,180.42	1/4		1/4		1/4		1/4				1/4	
1/2	5,202.70	1/2	5,537.88	1/2	5,862.93	1/2	6,187.15	1/2		1/2		1/2		1/2				1/2	
3/4	5,211.22	3/4	5,544.69	3/4	5,869.69	3/4	6,193.87	3/4		3/4		3/4		3/4				3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2001 ITS
DECK MEASUREMENTS: 02/01/2012 SW
REPRINTED: 02/10/2012 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2012

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