



# BARGE "KELSO"

## 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 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
4 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
4 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
5 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
5 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 5'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 250-09"

February 9, 2017

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

<http://www.pmacorp.net>



# BARGE "KELSO"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-00 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	4.56	0	202.11	0	434.35	0	675.88	0	917.41	0	1,158.94	0	1,400.47	0	1,642.00	0	1,883.53	0	2,124.98
1/4	6.76	1/4	206.77	1/4	439.38	1/4	680.91	1/4	922.44	1/4	1,163.97	1/4	1,405.50	1/4	1,647.03	1/4	1,888.57	1/4	2,130.01
1/2	8.97	1/2	211.44	1/2	444.41	1/2	685.94	1/2	927.47	1/2	1,169.00	1/2	1,410.53	1/2	1,652.07	1/2	1,893.60	1/2	2,135.04
3/4	11.17	3/4	216.10	3/4	449.44	3/4	690.97	3/4	932.50	3/4	1,174.04	3/4	1,415.57	3/4	1,657.10	3/4	1,898.63	3/4	2,140.07
1	13.37	1	220.76	1	454.47	1	696.01	1	937.54	1	1,179.07	1	1,420.60	1	1,662.13	1	1,903.66	1	2,145.10
1/4	16.53	1/4	225.41	1/4	459.51	1/4	701.04	1/4	942.57	1/4	1,184.10	1/4	1,425.63	1/4	1,667.16	1/4	1,908.69	1/4	2,150.13
1/2	19.69	1/2	230.07	1/2	464.54	1/2	706.07	1/2	947.60	1/2	1,189.13	1/2	1,430.66	1/2	1,672.19	1/2	1,913.72	1/2	2,155.16
3/4	22.85	3/4	234.73	3/4	469.57	3/4	711.10	3/4	952.63	3/4	1,194.16	3/4	1,435.69	3/4	1,677.23	3/4	1,918.76	3/4	2,160.19
2	26.01	2	239.38	2	474.60	2	716.13	2	957.66	2	1,199.20	2	1,440.73	2	1,682.26	2	1,923.79	2	2,165.22
1/4	30.03	1/4	244.07	1/4	479.63	1/4	721.16	1/4	962.70	1/4	1,204.23	1/4	1,445.76	1/4	1,687.29	1/4	1,928.82	1/4	2,170.25
1/2	34.05	1/2	248.77	1/2	484.67	1/2	726.20	1/2	967.73	1/2	1,209.26	1/2	1,450.79	1/2	1,692.32	1/2	1,933.86	1/2	2,175.27
3/4	38.07	3/4	253.46	3/4	489.70	3/4	731.23	3/4	972.76	3/4	1,214.29	3/4	1,455.82	3/4	1,697.35	3/4	1,938.89	3/4	2,180.30
3	42.08	3	258.15	3	494.73	3	736.26	3	977.79	3	1,219.32	3	1,460.85	3	1,702.39	3	1,943.92	3	2,185.33
1/4	46.35	1/4	262.89	1/4	499.76	1/4	741.29	1/4	982.82	1/4	1,224.35	1/4	1,465.89	1/4	1,707.42	1/4	1,948.95	1/4	2,190.36
1/2	50.61	1/2	267.62	1/2	504.79	1/2	746.32	1/2	987.86	1/2	1,229.39	1/2	1,470.92	1/2	1,712.45	1/2	1,953.98	1/2	2,195.39
3/4	54.87	3/4	272.36	3/4	509.82	3/4	751.36	3/4	992.89	3/4	1,234.42	3/4	1,475.95	3/4	1,717.48	3/4	1,959.01	3/4	2,200.42
4	59.13	4	277.09	4	514.86	4	756.39	4	997.92	4	1,239.45	4	1,480.98	4	1,722.51	4	1,964.04	4	2,205.45
1/4	63.45	1/4	281.87	1/4	519.89	1/4	761.42	1/4	1,002.95	1/4	1,244.48	1/4	1,486.01	1/4	1,727.54	1/4	1,969.07	1/4	2,210.48
1/2	67.76	1/2	286.65	1/2	524.92	1/2	766.45	1/2	1,007.98	1/2	1,249.51	1/2	1,491.05	1/2	1,732.58	1/2	1,974.10	1/2	2,215.51
3/4	72.08	3/4	291.42	3/4	529.95	3/4	771.48	3/4	1,013.01	3/4	1,254.55	3/4	1,496.08	3/4	1,737.61	3/4	1,979.13	3/4	2,220.54
5	76.40	5	296.20	5	534.98	5	776.52	5	1,018.05	5	1,259.58	5	1,501.11	5	1,742.64	5	1,984.16	5	2,225.57
1/4	80.76	1/4	301.02	1/4	540.02	1/4	781.55	1/4	1,023.08	1/4	1,264.61	1/4	1,506.14	1/4	1,747.67	1/4	1,989.19	1/4	2,230.60
1/2	85.12	1/2	305.84	1/2	545.05	1/2	786.58	1/2	1,028.11	1/2	1,269.64	1/2	1,511.17	1/2	1,752.70	1/2	1,994.22	1/2	2,235.63
3/4	89.48	3/4	310.67	3/4	550.08	3/4	791.61	3/4	1,033.14	3/4	1,274.67	3/4	1,516.20	3/4	1,757.74	3/4	1,999.25	3/4	2,240.66
6	93.84	6	315.49	6	555.11	6	796.64	6	1,038.17	6	1,279.71	6	1,521.24	6	1,762.77	6	2,004.28	6	2,245.69
1/4	98.25	1/4	320.35	1/4	560.14	1/4	801.68	1/4	1,043.21	1/4	1,284.74	1/4	1,526.27	1/4	1,767.80	1/4	2,009.30	1/4	2,250.72
1/2	102.65	1/2	325.21	1/2	565.18	1/2	806.71	1/2	1,048.24	1/2	1,289.77	1/2	1,531.30	1/2	1,772.83	1/2	2,014.33	1/2	2,255.75
3/4	107.06	3/4	330.08	3/4	570.21	3/4	811.74	3/4	1,053.27	3/4	1,294.80	3/4	1,536.33	3/4	1,777.86	3/4	2,019.36	3/4	2,260.77
7	111.46	7	334.94	7	575.24	7	816.77	7	1,058.30	7	1,299.83	7	1,541.36	7	1,782.90	7	2,024.39	7	2,265.80
1/4	115.91	1/4	339.85	1/4	580.27	1/4	821.80	1/4	1,063.33	1/4	1,304.87	1/4	1,546.40	1/4	1,787.93	1/4	2,029.42	1/4	2,270.83
1/2	120.35	1/2	344.75	1/2	585.30	1/2	826.83	1/2	1,068.37	1/2	1,309.90	1/2	1,551.43	1/2	1,792.96	1/2	2,034.45	1/2	2,275.86
3/4	124.80	3/4	349.66	3/4	590.34	3/4	831.87	3/4	1,073.40	3/4	1,314.93	3/4	1,556.46	3/4	1,797.99	3/4	2,039.48	3/4	2,280.89
8	129.25	8	354.57	8	595.37	8	836.90	8	1,078.43	8	1,319.96	8	1,561.49	8	1,803.02	8	2,044.51	8	2,285.92
1/4	133.74	1/4	359.52	1/4	600.40	1/4	841.93	1/4	1,083.46	1/4	1,324.99	1/4	1,566.52	1/4	1,808.06	1/4	2,049.54	1/4	2,290.95
1/2	138.23	1/2	364.47	1/2	605.43	1/2	846.96	1/2	1,088.49	1/2	1,330.02	1/2	1,571.56	1/2	1,813.09	1/2	2,054.57	1/2	2,295.98
3/4	142.72	3/4	369.42	3/4	610.46	3/4	851.99	3/4	1,093.53	3/4	1,335.06	3/4	1,576.59	3/4	1,818.12	3/4	2,059.60	3/4	2,301.01
9	147.21	9	374.37	9	615.49	9	857.03	9	1,098.56	9	1,340.09	9	1,581.62	9	1,823.15	9	2,064.63	9	2,306.04
1/4	151.74	1/4	379.35	1/4	620.53	1/4	862.06	1/4	1,103.59	1/4	1,345.12	1/4	1,586.65	1/4	1,828.18	1/4	2,069.66	1/4	2,311.07
1/2	156.27	1/2	384.33	1/2	625.56	1/2	867.09	1/2	1,108.62	1/2	1,350.15	1/2	1,591.68	1/2	1,833.21	1/2	2,074.69	1/2	2,316.10
3/4	160.80	3/4	389.31	3/4	630.59	3/4	872.12	3/4	1,113.65	3/4	1,355.18	3/4	1,596.72	3/4	1,838.25	3/4	2,079.72	3/4	2,321.13
10	165.34	10	394.30	10	635.62	10	877.15	10	1,118.68	10	1,360.22	10	1,601.75	10	1,843.28	10	2,084.75	10	2,326.16
1/4	169.91	1/4	399.28	1/4	640.65	1/4	882.19	1/4	1,123.72	1/4	1,365.25	1/4	1,606.78	1/4	1,848.31	1/4	2,089.77	1/4	2,331.19
1/2	174.49	1/2	404.27	1/2	645.69	1/2	887.22	1/2	1,128.75	1/2	1,370.28	1/2	1,611.81	1/2	1,853.34	1/2	2,094.80	1/2	2,336.22
3/4	179.06	3/4	409.25	3/4	650.72	3/4	892.25	3/4	1,133.78	3/4	1,375.31	3/4	1,616.84	3/4	1,858.37	3/4	2,099.83	3/4	2,341.24
11	183.64	11	414.24	11	655.75	11	897.28	11	1,138.81	11	1,380.34	11	1,621.87	11	1,863.41	11	2,104.86	11	2,346.27
1/4	188.26	1/4	419.27	1/4	660.78	1/4	902.31	1/4	1,143.84	1/4	1,385.38	1/4	1,626.91	1/4	1,868.44	1/4	2,109.89	1/4	2,351.30
1/2	192.88	1/2	424.29	1/2	665.81	1/2	907.34	1/2	1,148.88	1/2	1,390.41	1/2	1,631.94	1/2	1,873.47	1/2	2,114.92	1/2	2,356.33
3/4	197.49	3/4	429.32	3/4	670.85	3/4	912.38	3/4	1,153.91	3/4	1,395.44	3/4	1,636.97	3/4	1,878.50	3/4	2,119.95	3/4	2,361.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 24'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "KELSO"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-00 3/4"

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	2,366.39	0	2,607.80	0	2,848.80	0	3,087.88	0		0		0		0		0		0	
1/4	2,371.42	1/4	2,612.83	1/4	2,853.82	1/4	3,092.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,376.45	1/2	2,617.86	1/2	2,858.83	1/2	3,096.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,381.48	3/4	2,622.89	3/4	2,863.85	3/4	3,100.24	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,386.51	1	2,627.92	1	2,868.86	1	3,104.36	1		1		1		1		1		1	
1/4	2,391.54	1/4	2,632.95	1/4	2,873.87	1/4	3,107.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,396.57	1/2	2,637.98	1/2	2,878.89	1/2	3,111.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,401.60	3/4	2,643.01	3/4	2,883.90	3/4	3,115.27	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,406.63	2	2,648.04	2	2,888.92	2	3,118.91	2		2		2		2		2		2	
1/4	2,411.66	1/4	2,653.07	1/4	2,893.93	1/4	3,122.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,416.69	1/2	2,658.10	1/2	2,898.95	1/2	3,125.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,421.72	3/4	2,663.13	3/4	2,903.96	3/4	3,128.39	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,426.74	3	2,668.16	3	2,908.97	3	3,131.55	3		3		3		3		3		3	
1/4	2,431.77	1/4	2,673.19	1/4	2,913.99	1/4	3,134.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,436.80	1/2	2,678.21	1/2	2,919.00	1/2	3,136.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,441.83	3/4	2,683.24	3/4	2,924.02	3/4	3,139.59	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,446.86	4	2,688.27	4	2,929.03	4		4		4		4		4		4		4	
1/4	2,451.89	1/4	2,693.30	1/4	2,934.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,456.92	1/2	2,698.33	1/2	2,939.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,461.95	3/4	2,703.36	3/4	2,944.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,466.98	5	2,708.39	5	2,949.09	5		5		5		5		5		5		5	
1/4	2,472.01	1/4	2,713.41	1/4	2,954.10	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,477.04	1/2	2,718.43	1/2	2,959.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,482.07	3/4	2,723.44	3/4	2,964.14	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,487.10	6	2,728.46	6	2,969.15	6		6		6		6		6		6		6	
1/4	2,492.13	1/4	2,733.47	1/4	2,974.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,497.16	1/2	2,738.49	1/2	2,979.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,502.19	3/4	2,743.50	3/4	2,984.20	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,507.22	7	2,748.52	7	2,989.22	7		7		7		7		7		7		7	
1/4	2,512.24	1/4	2,753.53	1/4	2,994.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,517.27	1/2	2,758.55	1/2	2,999.25	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,522.30	3/4	2,763.56	3/4	3,004.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,527.33	8	2,768.57	8	3,009.29	8		8		8		8		8		8		8	
1/4	2,532.36	1/4	2,773.59	1/4	3,014.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,537.39	1/2	2,778.60	1/2	3,019.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,542.42	3/4	2,783.62	3/4	3,024.34	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,547.45	9	2,788.63	9	3,029.36	9		9		9		9		9		9		9	
1/4	2,552.48	1/4	2,793.65	1/4	3,034.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,557.51	1/2	2,798.66	1/2	3,039.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,562.54	3/4	2,803.67	3/4	3,044.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,567.57	10	2,808.69	10	3,049.42	10		10		10		10		10		10		10	
1/4	2,572.60	1/4	2,813.70	1/4	3,054.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,577.63	1/2	2,818.72	1/2	3,059.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,582.66	3/4	2,823.73	3/4	3,064.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,587.69	11	2,828.75	11	3,069.49	11		11		11		11		11		11		11	
1/4	2,592.71	1/4	2,833.76	1/4	3,074.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,597.74	1/2	2,838.77	1/2	3,078.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,602.77	3/4	2,843.79	3/4	3,083.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/09/2017 SW CL  
CALCULATED: 02/10/2017 CL  
PRINTED: 02/12/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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



# BARGE "KELSO"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	4.56	0	202.11	0	435.95	0	677.48	0	919.02	0	1,160.55	0	1,402.09	0	1,643.63	0	1,885.16	0	2,126.58
1/4	6.76	1/4	206.77	1/4	440.98	1/4	682.51	1/4	924.05	1/4	1,165.59	1/4	1,407.12	1/4	1,648.66	1/4	1,890.19	1/4	2,131.61
1/2	8.97	1/2	211.44	1/2	446.01	1/2	687.55	1/2	929.08	1/2	1,170.62	1/2	1,412.15	1/2	1,653.69	1/2	1,895.23	1/2	2,136.64
3/4	11.17	3/4	216.10	3/4	451.04	3/4	692.58	3/4	934.11	3/4	1,175.65	3/4	1,417.19	3/4	1,658.72	3/4	1,900.26	3/4	2,141.67
1	13.37	1	220.76	1	456.07	1	697.61	1	939.15	1	1,180.68	1	1,422.22	1	1,663.75	1	1,905.29	1	2,146.70
1/4	16.53	1/4	225.45	1/4	461.11	1/4	702.64	1/4	944.18	1/4	1,185.71	1/4	1,427.25	1/4	1,668.79	1/4	1,910.32	1/4	2,151.73
1/2	19.69	1/2	230.14	1/2	466.14	1/2	707.67	1/2	949.21	1/2	1,190.75	1/2	1,432.28	1/2	1,673.82	1/2	1,915.35	1/2	2,156.76
3/4	22.85	3/4	234.83	3/4	471.17	3/4	712.71	3/4	954.24	3/4	1,195.78	3/4	1,437.31	3/4	1,678.85	3/4	1,920.39	3/4	2,161.79
2	26.01	2	239.52	2	476.20	2	717.74	2	959.27	2	1,200.81	2	1,442.35	2	1,683.88	2	1,925.42	2	2,166.82
1/4	30.03	1/4	244.25	1/4	481.23	1/4	722.77	1/4	964.31	1/4	1,205.84	1/4	1,447.38	1/4	1,688.91	1/4	1,930.44	1/4	2,171.84
1/2	34.05	1/2	248.99	1/2	486.27	1/2	727.80	1/2	969.34	1/2	1,210.87	1/2	1,452.41	1/2	1,693.95	1/2	1,935.47	1/2	2,176.87
3/4	38.07	3/4	253.72	3/4	491.30	3/4	732.83	3/4	974.37	3/4	1,215.91	3/4	1,457.44	3/4	1,698.98	3/4	1,940.50	3/4	2,181.90
3	42.08	3	258.45	3	496.33	3	737.87	3	979.40	3	1,220.94	3	1,462.47	3	1,704.01	3	1,945.52	3	2,186.93
1/4	46.35	1/4	263.23	1/4	501.36	1/4	742.90	1/4	984.43	1/4	1,225.97	1/4	1,467.51	1/4	1,709.04	1/4	1,950.55	1/4	2,191.96
1/2	50.61	1/2	268.00	1/2	506.39	1/2	747.93	1/2	989.47	1/2	1,231.00	1/2	1,472.54	1/2	1,714.07	1/2	1,955.58	1/2	2,196.99
3/4	54.87	3/4	272.78	3/4	511.43	3/4	752.96	3/4	994.50	3/4	1,236.03	3/4	1,477.57	3/4	1,719.11	3/4	1,960.61	3/4	2,202.02
4	59.13	4	277.55	4	516.46	4	757.99	4	999.53	4	1,241.07	4	1,482.60	4	1,724.14	4	1,965.64	4	2,207.05
1/4	63.45	1/4	282.37	1/4	521.49	1/4	763.03	1/4	1,004.56	1/4	1,246.10	1/4	1,487.63	1/4	1,729.17	1/4	1,970.67	1/4	2,212.08
1/2	67.76	1/2	287.19	1/2	526.52	1/2	768.06	1/2	1,009.59	1/2	1,251.13	1/2	1,492.67	1/2	1,734.20	1/2	1,975.70	1/2	2,217.11
3/4	72.08	3/4	292.00	3/4	531.55	3/4	773.09	3/4	1,014.63	3/4	1,256.16	3/4	1,497.70	3/4	1,739.23	3/4	1,980.73	3/4	2,222.14
5	76.40	5	296.82	5	536.59	5	778.12	5	1,019.66	5	1,261.19	5	1,502.73	5	1,744.27	5	1,985.76	5	2,227.17
1/4	80.76	1/4	301.68	1/4	541.62	1/4	783.15	1/4	1,024.69	1/4	1,266.23	1/4	1,507.76	1/4	1,749.30	1/4	1,990.79	1/4	2,232.20
1/2	85.12	1/2	306.54	1/2	546.65	1/2	788.19	1/2	1,029.72	1/2	1,271.26	1/2	1,512.79	1/2	1,754.33	1/2	1,995.82	1/2	2,237.23
3/4	89.48	3/4	311.40	3/4	551.68	3/4	793.22	3/4	1,034.75	3/4	1,276.29	3/4	1,517.83	3/4	1,759.36	3/4	2,000.84	3/4	2,242.26
6	93.84	6	316.27	6	556.71	6	798.25	6	1,039.79	6	1,281.32	6	1,522.86	6	1,764.39	6	2,005.87	6	2,247.29
1/4	98.25	1/4	321.17	1/4	561.75	1/4	803.28	1/4	1,044.82	1/4	1,286.35	1/4	1,527.89	1/4	1,769.43	1/4	2,010.90	1/4	2,252.31
1/2	102.65	1/2	326.07	1/2	566.78	1/2	808.31	1/2	1,049.85	1/2	1,291.39	1/2	1,532.92	1/2	1,774.46	1/2	2,015.93	1/2	2,257.34
3/4	107.06	3/4	330.98	3/4	571.81	3/4	813.35	3/4	1,054.88	3/4	1,296.42	3/4	1,537.95	3/4	1,779.49	3/4	2,020.96	3/4	2,262.37
7	111.46	7	335.88	7	576.84	7	818.38	7	1,059.91	7	1,301.45	7	1,542.99	7	1,784.52	7	2,025.99	7	2,267.40
1/4	115.91	1/4	340.83	1/4	581.87	1/4	823.41	1/4	1,064.95	1/4	1,306.48	1/4	1,548.02	1/4	1,789.55	1/4	2,031.02	1/4	2,272.43
1/2	120.35	1/2	345.77	1/2	586.91	1/2	828.44	1/2	1,069.98	1/2	1,311.51	1/2	1,553.05	1/2	1,794.59	1/2	2,036.05	1/2	2,277.46
3/4	124.80	3/4	350.72	3/4	591.94	3/4	833.47	3/4	1,075.01	3/4	1,316.55	3/4	1,558.08	3/4	1,799.62	3/4	2,041.08	3/4	2,282.49
8	129.25	8	355.67	8	596.97	8	838.51	8	1,080.04	8	1,321.58	8	1,563.11	8	1,804.65	8	2,046.11	8	2,287.52
1/4	133.74	1/4	360.66	1/4	602.00	1/4	843.54	1/4	1,085.07	1/4	1,326.61	1/4	1,568.15	1/4	1,809.68	1/4	2,051.14	1/4	2,292.55
1/2	138.23	1/2	365.65	1/2	607.03	1/2	848.57	1/2	1,090.11	1/2	1,331.64	1/2	1,573.18	1/2	1,814.71	1/2	2,056.17	1/2	2,297.58
3/4	142.72	3/4	370.64	3/4	612.07	3/4	853.60	3/4	1,095.14	3/4	1,336.67	3/4	1,578.21	3/4	1,819.75	3/4	2,061.20	3/4	2,302.61
9	147.21	9	375.63	9	617.10	9	858.63	9	1,100.17	9	1,341.71	9	1,583.24	9	1,824.78	9	2,066.23	9	2,307.64
1/4	151.74	1/4	380.65	1/4	622.13	1/4	863.67	1/4	1,105.20	1/4	1,346.74	1/4	1,588.27	1/4	1,829.81	1/4	2,071.26	1/4	2,312.67
1/2	156.27	1/2	385.67	1/2	627.16	1/2	868.70	1/2	1,110.23	1/2	1,351.77	1/2	1,593.31	1/2	1,834.84	1/2	2,076.29	1/2	2,317.70
3/4	160.80	3/4	390.69	3/4	632.19	3/4	873.73	3/4	1,115.27	3/4	1,356.80	3/4	1,598.34	3/4	1,839.87	3/4	2,081.32	3/4	2,322.73
10	165.34	10	395.72	10	637.23	10	878.76	10	1,120.30	10	1,361.83	10	1,603.37	10	1,844.91	10	2,086.34	10	2,327.76
1/4	169.91	1/4	400.74	1/4	642.26	1/4	883.79	1/4	1,125.33	1/4	1,366.87	1/4	1,608.40	1/4	1,849.94	1/4	2,091.37	1/4	2,332.79
1/2	174.49	1/2	405.77	1/2	647.29	1/2	888.83	1/2	1,130.36	1/2	1,371.90	1/2	1,613.43	1/2	1,854.97	1/2	2,096.40	1/2	2,337.81
3/4	179.06	3/4	410.79	3/4	652.32	3/4	893.86	3/4	1,135.39	3/4	1,376.93	3/4	1,618.47	3/4	1,860.00	3/4	2,101.43	3/4	2,342.84
11	183.64	11	415.82	11	657.35	11	898.89	11	1,140.43	11	1,381.96	11	1,623.50	11	1,865.03	11	2,106.46	11	2,347.87
1/4	188.26	1/4	420.85	1/4	662.39	1/4	903.92	1/4	1,145.46	1/4	1,386.99	1/4	1,628.53	1/4	1,870.07	1/4	2,111.49	1/4	2,352.90
1/2	192.88	1/2	425.88	1/2	667.42	1/2	908.95	1/2	1,150.49	1/2	1,392.03	1/2	1,633.56	1/2	1,875.10	1/2	2,116.52	1/2	2,357.93
3/4	197.49	3/4	430.91	3/4	672.45	3/4	913.99	3/4	1,155.52	3/4	1,397.06	3/4	1,638.59	3/4	1,880.13	3/4	2,121.55	3/4	2,362.96

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 24'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "KELSO"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 1/2"

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	2,367.99	0	2,609.40	0	2,850.40	0	3,089.48	0		0		0		0		0		0	
1/4	2,373.02	1/4	2,614.43	1/4	2,855.42	1/4	3,093.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,378.05	1/2	2,619.46	1/2	2,860.43	1/2	3,097.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,383.08	3/4	2,624.49	3/4	2,865.44	3/4	3,101.84	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,388.11	1	2,629.52	1	2,870.46	1	3,105.95	1		1		1		1		1		1	
1/4	2,393.14	1/4	2,634.55	1/4	2,875.47	1/4	3,109.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,398.17	1/2	2,639.58	1/2	2,880.49	1/2	3,113.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,403.20	3/4	2,644.61	3/4	2,885.50	3/4	3,116.87	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,408.23	2	2,649.64	2	2,890.52	2	3,120.51	2		2		2		2		2		2	
1/4	2,413.26	1/4	2,654.67	1/4	2,895.53	1/4	3,123.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,418.29	1/2	2,659.70	1/2	2,900.54	1/2	3,126.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,423.31	3/4	2,664.73	3/4	2,905.56	3/4	3,129.99	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,428.34	3	2,669.76	3	2,910.57	3	3,133.15	3		3		3		3		3		3	
1/4	2,433.37	1/4	2,674.78	1/4	2,915.59	1/4	3,135.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,438.40	1/2	2,679.81	1/2	2,920.60	1/2	3,138.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,443.43	3/4	2,684.84	3/4	2,925.62	3/4	3,141.19	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,448.46	4	2,689.87	4	2,930.63	4		4		4		4		4		4		4	
1/4	2,453.49	1/4	2,694.90	1/4	2,935.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,458.52	1/2	2,699.93	1/2	2,940.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,463.55	3/4	2,704.96	3/4	2,945.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,468.58	5	2,709.99	5	2,950.69	5		5		5		5		5		5		5	
1/4	2,473.61	1/4	2,715.01	1/4	2,955.70	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,478.64	1/2	2,720.02	1/2	2,960.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,483.67	3/4	2,725.04	3/4	2,965.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,488.70	6	2,730.06	6	2,970.75	6		6		6		6		6		6		6	
1/4	2,493.73	1/4	2,735.07	1/4	2,975.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,498.76	1/2	2,740.09	1/2	2,980.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,503.78	3/4	2,745.10	3/4	2,985.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,508.81	7	2,750.12	7	2,990.82	7		7		7		7		7		7		7	
1/4	2,513.84	1/4	2,755.13	1/4	2,995.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,518.87	1/2	2,760.14	1/2	3,000.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,523.90	3/4	2,765.16	3/4	3,005.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,528.93	8	2,770.17	8	3,010.89	8		8		8		8		8		8		8	
1/4	2,533.96	1/4	2,775.19	1/4	3,015.90	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,538.99	1/2	2,780.20	1/2	3,020.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,544.02	3/4	2,785.22	3/4	3,025.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,549.05	9	2,790.23	9	3,030.95	9		9		9		9		9		9		9	
1/4	2,554.08	1/4	2,795.24	1/4	3,035.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,559.11	1/2	2,800.26	1/2	3,040.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,564.14	3/4	2,805.27	3/4	3,046.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,569.17	10	2,810.29	10	3,051.02	10		10		10		10		10		10		10	
1/4	2,574.20	1/4	2,815.30	1/4	3,056.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,579.23	1/2	2,820.32	1/2	3,061.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,584.26	3/4	2,825.33	3/4	3,066.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,589.28	11	2,830.34	11	3,071.09	11		11		11		11		11		11		11	
1/4	2,594.31	1/4	2,835.36	1/4	3,075.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,599.34	1/2	2,840.37	1/2	3,080.28	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,604.37	3/4	2,845.39	3/4	3,084.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/09/2017 SW CL  
CALCULATED: 02/10/2017 CL  
PRINTED: 02/12/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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



# BARGE "KELSO"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-00 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.77	0	277.58	0	542.08	0	815.50	0	1,089.86	0	1,364.22	0	1,638.58	0	1,912.93	0	2,187.29	0	2,461.56
1/4	21.28	1/4	283.29	1/4	547.59	1/4	821.22	1/4	1,095.57	1/4	1,369.93	1/4	1,644.29	1/4	1,918.65	1/4	2,193.01	1/4	2,467.27
1/2	24.79	1/2	289.01	1/2	553.10	1/2	826.93	1/2	1,101.29	1/2	1,375.65	1/2	1,650.01	1/2	1,924.37	1/2	2,198.72	1/2	2,472.99
3/4	28.30	3/4	294.72	3/4	558.60	3/4	832.65	3/4	1,107.01	3/4	1,381.36	3/4	1,655.72	3/4	1,930.08	3/4	2,204.44	3/4	2,478.70
1	31.80	1	300.44	1	564.11	1	838.36	1	1,112.72	1	1,387.08	1	1,661.44	1	1,935.80	1	2,210.16	1	2,484.41
1/4	36.35	1/4	305.95	1/4	569.80	1/4	844.08	1/4	1,118.44	1/4	1,392.80	1/4	1,667.15	1/4	1,941.51	1/4	2,215.87	1/4	2,490.13
1/2	40.90	1/2	311.47	1/2	575.49	1/2	849.80	1/2	1,124.15	1/2	1,398.51	1/2	1,672.87	1/2	1,947.23	1/2	2,221.59	1/2	2,495.84
3/4	45.44	3/4	316.98	3/4	581.18	3/4	855.51	3/4	1,129.87	3/4	1,404.23	3/4	1,678.59	3/4	1,952.94	3/4	2,227.30	3/4	2,501.55
2	49.99	2	322.50	2	586.87	2	861.23	2	1,135.59	2	1,409.94	2	1,684.30	2	1,958.66	2	2,233.02	2	2,507.27
1/4	55.46	1/4	327.98	1/4	592.58	1/4	866.94	1/4	1,141.30	1/4	1,415.66	1/4	1,690.02	1/4	1,964.38	1/4	2,238.73	1/4	2,512.98
1/2	60.94	1/2	333.47	1/2	598.30	1/2	872.66	1/2	1,147.02	1/2	1,421.38	1/2	1,695.73	1/2	1,970.09	1/2	2,244.45	1/2	2,518.69
3/4	66.41	3/4	338.96	3/4	604.02	3/4	878.37	3/4	1,152.73	3/4	1,427.09	3/4	1,701.45	3/4	1,975.81	3/4	2,250.17	3/4	2,524.41
3	71.88	3	344.44	3	609.73	3	884.09	3	1,158.45	3	1,432.81	3	1,707.17	3	1,981.52	3	2,255.88	3	2,530.12
1/4	77.58	1/4	349.93	1/4	615.45	1/4	889.81	1/4	1,164.16	1/4	1,438.52	1/4	1,712.88	1/4	1,987.24	1/4	2,261.59	1/4	2,535.83
1/2	83.28	1/2	355.41	1/2	621.16	1/2	895.52	1/2	1,169.88	1/2	1,444.24	1/2	1,718.60	1/2	1,992.96	1/2	2,267.31	1/2	2,541.55
3/4	88.98	3/4	360.90	3/4	626.88	3/4	901.24	3/4	1,175.60	3/4	1,449.95	3/4	1,724.31	3/4	1,998.67	3/4	2,273.02	3/4	2,547.26
4	94.68	4	366.38	4	632.59	4	906.95	4	1,181.31	4	1,455.67	4	1,730.03	4	2,004.39	4	2,278.73	4	2,552.97
1/4	100.39	1/4	371.87	1/4	638.31	1/4	912.67	1/4	1,187.03	1/4	1,461.39	1/4	1,735.74	1/4	2,010.10	1/4	2,284.45	1/4	2,558.69
1/2	106.11	1/2	377.36	1/2	644.03	1/2	918.38	1/2	1,192.74	1/2	1,467.10	1/2	1,741.46	1/2	2,015.82	1/2	2,290.16	1/2	2,564.40
3/4	111.83	3/4	382.84	3/4	649.74	3/4	924.10	3/4	1,198.46	3/4	1,472.82	3/4	1,747.18	3/4	2,021.53	3/4	2,295.87	3/4	2,570.11
5	117.54	5	388.33	5	655.46	5	929.82	5	1,204.17	5	1,478.53	5	1,752.89	5	2,027.25	5	2,301.59	5	2,575.83
1/4	123.26	1/4	393.81	1/4	661.17	1/4	935.53	1/4	1,209.89	1/4	1,484.25	1/4	1,758.61	1/4	2,032.97	1/4	2,307.30	1/4	2,581.54
1/2	128.97	1/2	399.30	1/2	666.89	1/2	941.25	1/2	1,215.61	1/2	1,489.96	1/2	1,764.32	1/2	2,038.68	1/2	2,313.01	1/2	2,587.25
3/4	134.69	3/4	404.78	3/4	672.61	3/4	946.96	3/4	1,221.32	3/4	1,495.68	3/4	1,770.04	3/4	2,044.40	3/4	2,318.73	3/4	2,592.97
6	140.40	6	410.27	6	678.32	6	952.68	6	1,227.04	6	1,501.40	6	1,775.75	6	2,050.11	6	2,324.44	6	2,598.68
1/4	146.12	1/4	415.76	1/4	684.04	1/4	958.40	1/4	1,232.75	1/4	1,507.11	1/4	1,781.47	1/4	2,055.83	1/4	2,330.15	1/4	2,604.39
1/2	151.83	1/2	421.24	1/2	689.75	1/2	964.11	1/2	1,238.47	1/2	1,512.83	1/2	1,787.19	1/2	2,061.54	1/2	2,335.87	1/2	2,610.11
3/4	157.55	3/4	426.73	3/4	695.47	3/4	969.83	3/4	1,244.19	3/4	1,518.54	3/4	1,792.90	3/4	2,067.26	3/4	2,341.58	3/4	2,615.82
7	163.27	7	432.21	7	701.18	7	975.54	7	1,249.90	7	1,524.26	7	1,798.62	7	2,072.98	7	2,347.29	7	2,621.53
1/4	168.98	1/4	437.70	1/4	706.90	1/4	981.26	1/4	1,255.62	1/4	1,529.98	1/4	1,804.33	1/4	2,078.69	1/4	2,353.01	1/4	2,627.25
1/2	174.70	1/2	443.19	1/2	712.62	1/2	986.97	1/2	1,261.33	1/2	1,535.69	1/2	1,810.05	1/2	2,084.41	1/2	2,358.72	1/2	2,632.96
3/4	180.41	3/4	448.67	3/4	718.33	3/4	992.69	3/4	1,267.05	3/4	1,541.41	3/4	1,815.77	3/4	2,090.12	3/4	2,364.43	3/4	2,638.67
8	186.13	8	454.16	8	724.05	8	998.41	8	1,272.76	8	1,547.12	8	1,821.48	8	2,095.84	8	2,370.15	8	2,644.38
1/4	191.84	1/4	459.64	1/4	729.76	1/4	1,004.12	1/4	1,278.48	1/4	1,552.84	1/4	1,827.20	1/4	2,101.56	1/4	2,375.86	1/4	2,650.10
1/2	197.56	1/2	465.13	1/2	735.48	1/2	1,009.84	1/2	1,284.20	1/2	1,558.55	1/2	1,832.91	1/2	2,107.27	1/2	2,381.57	1/2	2,655.81
3/4	203.27	3/4	470.61	3/4	741.20	3/4	1,015.55	3/4	1,289.91	3/4	1,564.27	3/4	1,838.63	3/4	2,112.99	3/4	2,387.29	3/4	2,661.52
9	208.99	9	476.10	9	746.91	9	1,021.27	9	1,295.63	9	1,569.99	9	1,844.34	9	2,118.70	9	2,393.00	9	2,667.24
1/4	214.71	1/4	481.59	1/4	752.63	1/4	1,026.99	1/4	1,301.34	1/4	1,575.70	1/4	1,850.06	1/4	2,124.42	1/4	2,398.71	1/4	2,672.95
1/2	220.42	1/2	487.09	1/2	758.34	1/2	1,032.70	1/2	1,307.06	1/2	1,581.42	1/2	1,855.78	1/2	2,130.13	1/2	2,404.43	1/2	2,678.66
3/4	226.14	3/4	492.58	3/4	764.06	3/4	1,038.42	3/4	1,312.78	3/4	1,587.13	3/4	1,861.49	3/4	2,135.85	3/4	2,410.14	3/4	2,684.38
10	231.85	10	498.08	10	769.77	10	1,044.13	10	1,318.49	10	1,592.85	10	1,867.21	10	2,141.57	10	2,415.85	10	2,690.09
1/4	237.57	1/4	503.57	1/4	775.49	1/4	1,049.85	1/4	1,324.21	1/4	1,598.57	1/4	1,872.92	1/4	2,147.28	1/4	2,421.57	1/4	2,695.80
1/2	243.28	1/2	509.07	1/2	781.21	1/2	1,055.56	1/2	1,329.92	1/2	1,604.28	1/2	1,878.64	1/2	2,153.00	1/2	2,427.28	1/2	2,701.52
3/4	249.00	3/4	514.56	3/4	786.92	3/4	1,061.28	3/4	1,335.64	3/4	1,610.00	3/4	1,884.36	3/4	2,158.71	3/4	2,432.99	3/4	2,707.23
11	254.72	11	520.06	11	792.64	11	1,067.00	11	1,341.35	11	1,615.71	11	1,890.07	11	2,164.43	11	2,438.71	11	2,712.94
1/4	260.43	1/4	525.57	1/4	798.35	1/4	1,072.71	1/4	1,347.07	1/4	1,621.43	1/4	1,895.79	1/4	2,170.15	1/4	2,444.42	1/4	2,718.66
1/2	266.15	1/2	531.07	1/2	804.07	1/2	1,078.43	1/2	1,352.79	1/2	1,627.14	1/2	1,901.50	1/2	2,175.86	1/2	2,450.13	1/2	2,724.37
3/4	271.86	3/4	536.58	3/4	809.78	3/4	1,084.14	3/4	1,358.50	3/4	1,632.86	3/4	1,907.22	3/4	2,181.58	3/4	2,455.85	3/4	2,730.08

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KELSO"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-00 3/4"

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	2,735.80	0	3,010.04	0	3,283.86	0	3,555.53	0		0		0		0		0		0	
1/4	2,741.51	1/4	3,015.75	1/4	3,289.56	1/4	3,560.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,747.22	1/2	3,021.46	1/2	3,295.26	1/2	3,564.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,752.94	3/4	3,027.18	3/4	3,300.95	3/4	3,569.57	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,758.65	1	3,032.89	1	3,306.65	1	3,574.25	1		1		1		1		1		1	
1/4	2,764.36	1/4	3,038.60	1/4	3,312.35	1/4	3,578.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,770.08	1/2	3,044.32	1/2	3,318.05	1/2	3,582.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,775.79	3/4	3,050.03	3/4	3,323.75	3/4	3,586.66	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,781.50	2	3,055.74	2	3,329.44	2	3,590.79	2		2		2		2		2		2	
1/4	2,787.22	1/4	3,061.46	1/4	3,335.14	1/4	3,594.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,792.93	1/2	3,067.17	1/2	3,340.84	1/2	3,597.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,798.64	3/4	3,072.88	3/4	3,346.54	3/4	3,601.57	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,804.36	3	3,078.60	3	3,352.24	3	3,605.16	3		3		3		3		3		3	
1/4	2,810.07	1/4	3,084.31	1/4	3,357.94	1/4	3,608.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,815.78	1/2	3,090.02	1/2	3,363.63	1/2	3,611.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,821.50	3/4	3,095.74	3/4	3,369.33	3/4	3,614.30	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,827.21	4	3,101.45	4	3,375.03	4		4		4		4		4		4		4	
1/4	2,832.92	1/4	3,107.16	1/4	3,380.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,838.64	1/2	3,112.88	1/2	3,386.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,844.35	3/4	3,118.59	3/4	3,392.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,850.06	5	3,124.30	5	3,397.82	5		5		5		5		5		5		5	
1/4	2,855.78	1/4	3,130.00	1/4	3,403.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,861.49	1/2	3,135.70	1/2	3,409.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,867.20	3/4	3,141.40	3/4	3,414.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,872.92	6	3,147.10	6	3,420.62	6		6		6		6		6		6		6	
1/4	2,878.63	1/4	3,152.80	1/4	3,426.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,884.34	1/2	3,158.50	1/2	3,432.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,890.06	3/4	3,164.20	3/4	3,437.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,895.77	7	3,169.89	7	3,443.42	7		7		7		7		7		7		7	
1/4	2,901.48	1/4	3,175.59	1/4	3,449.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,907.20	1/2	3,181.29	1/2	3,454.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,912.91	3/4	3,186.99	3/4	3,460.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,918.62	8	3,192.69	8	3,466.23	8		8		8		8		8		8		8	
1/4	2,924.34	1/4	3,198.39	1/4	3,471.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,930.05	1/2	3,204.08	1/2	3,477.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,935.76	3/4	3,209.78	3/4	3,483.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,941.48	9	3,215.48	9	3,489.03	9		9		9		9		9		9		9	
1/4	2,947.19	1/4	3,221.18	1/4	3,494.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,952.90	1/2	3,226.88	1/2	3,500.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,958.62	3/4	3,232.58	3/4	3,506.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,964.33	10	3,238.27	10	3,511.83	10		10		10		10		10		10		10	
1/4	2,970.04	1/4	3,243.97	1/4	3,517.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,975.76	1/2	3,249.67	1/2	3,523.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,981.47	3/4	3,255.37	3/4	3,528.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,987.18	11	3,261.07	11	3,534.64	11		11		11		11		11		11		11	
1/4	2,992.90	1/4	3,266.76	1/4	3,539.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,998.61	1/2	3,272.46	1/2	3,545.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,004.32	3/4	3,278.16	3/4	3,550.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/09/2017 SW CL  
CALCULATED: 02/10/2017 CL  
PRINTED: 02/12/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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



# BARGE "KELSO"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.77	0	277.58	0	551.39	0	825.75	0	1,100.11	0	1,374.47	0	1,648.83	0	1,923.19	0	2,197.54	0	2,471.81
1/4	21.28	1/4	283.29	1/4	557.11	1/4	831.47	1/4	1,105.83	1/4	1,380.19	1/4	1,654.54	1/4	1,928.90	1/4	2,203.26	1/4	2,477.53
1/2	24.79	1/2	289.01	1/2	562.83	1/2	837.18	1/2	1,111.54	1/2	1,385.90	1/2	1,660.26	1/2	1,934.62	1/2	2,208.98	1/2	2,483.24
3/4	28.30	3/4	294.72	3/4	568.54	3/4	842.90	3/4	1,117.26	3/4	1,391.62	3/4	1,665.98	3/4	1,940.33	3/4	2,214.69	3/4	2,488.95
1	31.80	1	300.44	1	574.26	1	848.62	1	1,122.97	1	1,397.33	1	1,671.69	1	1,946.05	1	2,220.41	1	2,494.66
1/4	36.35	1/4	306.14	1/4	579.97	1/4	854.33	1/4	1,128.69	1/4	1,403.05	1/4	1,677.41	1/4	1,951.77	1/4	2,226.12	1/4	2,500.38
1/2	40.90	1/2	311.84	1/2	585.69	1/2	860.05	1/2	1,134.41	1/2	1,408.76	1/2	1,683.12	1/2	1,957.48	1/2	2,231.84	1/2	2,506.09
3/4	45.44	3/4	317.55	3/4	591.40	3/4	865.76	3/4	1,140.12	3/4	1,414.48	3/4	1,688.84	3/4	1,963.20	3/4	2,237.56	3/4	2,511.80
2	49.99	2	323.25	2	597.12	2	871.48	2	1,145.84	2	1,420.20	2	1,694.55	2	1,968.91	2	2,243.27	2	2,517.52
1/4	55.46	1/4	328.95	1/4	602.84	1/4	877.19	1/4	1,151.55	1/4	1,425.91	1/4	1,700.27	1/4	1,974.63	1/4	2,248.99	1/4	2,523.23
1/2	60.94	1/2	334.65	1/2	608.55	1/2	882.91	1/2	1,157.27	1/2	1,431.63	1/2	1,705.99	1/2	1,980.34	1/2	2,254.70	1/2	2,528.94
3/4	66.41	3/4	340.35	3/4	614.27	3/4	888.63	3/4	1,162.98	3/4	1,437.34	3/4	1,711.70	3/4	1,986.06	3/4	2,260.42	3/4	2,534.66
3	71.88	3	346.05	3	619.98	3	894.34	3	1,168.70	3	1,443.06	3	1,717.42	3	1,991.78	3	2,266.13	3	2,540.37
1/4	77.58	1/4	351.75	1/4	625.70	1/4	900.06	1/4	1,174.42	1/4	1,448.77	1/4	1,723.13	1/4	1,997.49	1/4	2,271.85	1/4	2,546.08
1/2	83.28	1/2	357.45	1/2	631.42	1/2	905.77	1/2	1,180.13	1/2	1,454.49	1/2	1,728.85	1/2	2,003.21	1/2	2,277.56	1/2	2,551.80
3/4	88.98	3/4	363.15	3/4	637.13	3/4	911.49	3/4	1,185.85	3/4	1,460.21	3/4	1,734.56	3/4	2,008.92	3/4	2,283.27	3/4	2,557.51
4	94.68	4	368.85	4	642.85	4	917.21	4	1,191.56	4	1,465.92	4	1,740.28	4	2,014.64	4	2,288.99	4	2,563.22
1/4	100.39	1/4	374.55	1/4	648.56	1/4	922.92	1/4	1,197.28	1/4	1,471.64	1/4	1,746.00	1/4	2,020.35	1/4	2,294.70	1/4	2,568.94
1/2	106.11	1/2	380.25	1/2	654.28	1/2	928.64	1/2	1,203.00	1/2	1,477.35	1/2	1,751.71	1/2	2,026.07	1/2	2,300.41	1/2	2,574.65
3/4	111.83	3/4	385.95	3/4	659.99	3/4	934.35	3/4	1,208.71	3/4	1,483.07	3/4	1,757.43	3/4	2,031.79	3/4	2,306.13	3/4	2,580.36
5	117.54	5	391.65	5	665.71	5	940.07	5	1,214.43	5	1,488.79	5	1,763.14	5	2,037.50	5	2,311.84	5	2,586.08
1/4	123.26	1/4	397.35	1/4	671.43	1/4	945.78	1/4	1,220.14	1/4	1,494.50	1/4	1,768.86	1/4	2,043.22	1/4	2,317.55	1/4	2,591.79
1/2	128.97	1/2	403.05	1/2	677.14	1/2	951.50	1/2	1,225.86	1/2	1,500.22	1/2	1,774.58	1/2	2,048.93	1/2	2,323.27	1/2	2,597.50
3/4	134.69	3/4	408.75	3/4	682.86	3/4	957.22	3/4	1,231.57	3/4	1,505.93	3/4	1,780.29	3/4	2,054.65	3/4	2,328.98	3/4	2,603.22
6	140.40	6	414.45	6	688.57	6	962.93	6	1,237.29	6	1,511.65	6	1,786.01	6	2,060.37	6	2,334.69	6	2,608.93
1/4	146.12	1/4	420.15	1/4	694.29	1/4	968.65	1/4	1,243.01	1/4	1,517.36	1/4	1,791.72	1/4	2,066.08	1/4	2,340.41	1/4	2,614.64
1/2	151.83	1/2	425.85	1/2	700.00	1/2	974.36	1/2	1,248.72	1/2	1,523.08	1/2	1,797.44	1/2	2,071.80	1/2	2,346.12	1/2	2,620.36
3/4	157.55	3/4	431.55	3/4	705.72	3/4	980.08	3/4	1,254.44	3/4	1,528.80	3/4	1,803.15	3/4	2,077.51	3/4	2,351.83	3/4	2,626.07
7	163.27	7	437.25	7	711.44	7	985.79	7	1,260.15	7	1,534.51	7	1,808.87	7	2,083.23	7	2,357.55	7	2,631.78
1/4	168.98	1/4	442.95	1/4	717.15	1/4	991.51	1/4	1,265.87	1/4	1,540.23	1/4	1,814.59	1/4	2,088.94	1/4	2,363.26	1/4	2,637.50
1/2	174.70	1/2	448.66	1/2	722.87	1/2	997.23	1/2	1,271.58	1/2	1,545.94	1/2	1,820.30	1/2	2,094.66	1/2	2,368.97	1/2	2,643.21
3/4	180.41	3/4	454.36	3/4	728.58	3/4	1,002.94	3/4	1,277.30	3/4	1,551.66	3/4	1,826.02	3/4	2,100.38	3/4	2,374.69	3/4	2,648.92
8	186.13	8	460.06	8	734.30	8	1,008.66	8	1,283.02	8	1,557.37	8	1,831.73	8	2,106.09	8	2,380.40	8	2,654.64
1/4	191.84	1/4	465.76	1/4	740.02	1/4	1,014.37	1/4	1,288.73	1/4	1,563.09	1/4	1,837.45	1/4	2,111.81	1/4	2,386.11	1/4	2,660.35
1/2	197.56	1/2	471.46	1/2	745.73	1/2	1,020.09	1/2	1,294.45	1/2	1,568.81	1/2	1,843.16	1/2	2,117.52	1/2	2,391.83	1/2	2,666.06
3/4	203.27	3/4	477.16	3/4	751.45	3/4	1,025.81	3/4	1,300.16	3/4	1,574.52	3/4	1,848.88	3/4	2,123.24	3/4	2,397.54	3/4	2,671.78
9	208.99	9	482.86	9	757.16	9	1,031.52	9	1,305.88	9	1,580.24	9	1,854.60	9	2,128.95	9	2,403.25	9	2,677.49
1/4	214.71	1/4	488.57	1/4	762.88	1/4	1,037.24	1/4	1,311.60	1/4	1,585.95	1/4	1,860.31	1/4	2,134.67	1/4	2,408.97	1/4	2,683.20
1/2	220.42	1/2	494.28	1/2	768.59	1/2	1,042.95	1/2	1,317.31	1/2	1,591.67	1/2	1,866.03	1/2	2,140.39	1/2	2,414.68	1/2	2,688.92
3/4	226.14	3/4	499.98	3/4	774.31	3/4	1,048.67	3/4	1,323.03	3/4	1,597.39	3/4	1,871.74	3/4	2,146.10	3/4	2,420.39	3/4	2,694.63
10	231.85	10	505.69	10	780.03	10	1,054.38	10	1,328.74	10	1,603.10	10	1,877.46	10	2,151.82	10	2,426.11	10	2,700.34
1/4	237.57	1/4	511.40	1/4	785.74	1/4	1,060.10	1/4	1,334.46	1/4	1,608.82	1/4	1,883.18	1/4	2,157.53	1/4	2,431.82	1/4	2,706.06
1/2	243.28	1/2	517.11	1/2	791.46	1/2	1,065.82	1/2	1,340.17	1/2	1,614.53	1/2	1,888.89	1/2	2,163.25	1/2	2,437.53	1/2	2,711.77
3/4	249.00	3/4	522.82	3/4	797.17	3/4	1,071.53	3/4	1,345.89	3/4	1,620.25	3/4	1,894.61	3/4	2,168.97	3/4	2,443.25	3/4	2,717.48
11	254.72	11	528.53	11	802.89	11	1,077.25	11	1,351.61	11	1,625.96	11	1,900.32	11	2,174.68	11	2,448.96	11	2,723.20
1/4	260.43	1/4	534.25	1/4	808.61	1/4	1,082.96	1/4	1,357.32	1/4	1,631.68	1/4	1,906.04	1/4	2,180.40	1/4	2,454.67	1/4	2,728.91
1/2	266.15	1/2	539.96	1/2	814.32	1/2	1,088.68	1/2	1,363.04	1/2	1,637.40	1/2	1,911.75	1/2	2,186.11	1/2	2,460.39	1/2	2,734.62
3/4	271.86	3/4	545.68	3/4	820.04	3/4	1,094.40	3/4	1,368.75	3/4	1,643.11	3/4	1,917.47	3/4	2,191.83	3/4	2,466.10	3/4	2,740.34

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

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





# BARGE "KELSO"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01"

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	2,746.05	0	3,020.29	0	3,294.11	0	3,565.78	0		0		0		0		0		0	
1/4	2,751.76	1/4	3,026.00	1/4	3,299.81	1/4	3,570.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,757.48	1/2	3,031.72	1/2	3,305.51	1/2	3,575.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,763.19	3/4	3,037.43	3/4	3,311.21	3/4	3,579.82	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,768.90	1	3,043.14	1	3,316.90	1	3,584.50	1		1		1		1		1		1	
1/4	2,774.62	1/4	3,048.86	1/4	3,322.60	1/4	3,588.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,780.33	1/2	3,054.57	1/2	3,328.30	1/2	3,592.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,786.04	3/4	3,060.28	3/4	3,334.00	3/4	3,596.91	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,791.76	2	3,065.99	2	3,339.70	2	3,601.04	2		2		2		2		2		2	
1/4	2,797.47	1/4	3,071.71	1/4	3,345.40	1/4	3,604.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,803.18	1/2	3,077.42	1/2	3,351.09	1/2	3,608.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,808.90	3/4	3,083.13	3/4	3,356.79	3/4	3,611.82	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,814.61	3	3,088.85	3	3,362.49	3	3,615.41	3		3		3		3		3		3	
1/4	2,820.32	1/4	3,094.56	1/4	3,368.19	1/4	3,618.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,826.04	1/2	3,100.27	1/2	3,373.89	1/2	3,621.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,831.75	3/4	3,105.99	3/4	3,379.58	3/4	3,624.55	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,837.46	4	3,111.70	4	3,385.28	4		4		4		4		4		4		4	
1/4	2,843.18	1/4	3,117.41	1/4	3,390.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,848.89	1/2	3,123.13	1/2	3,396.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,854.60	3/4	3,128.84	3/4	3,402.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,860.32	5	3,134.55	5	3,408.08	5		5		5		5		5		5		5	
1/4	2,866.03	1/4	3,140.25	1/4	3,413.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,871.74	1/2	3,145.95	1/2	3,419.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,877.46	3/4	3,151.65	3/4	3,425.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,883.17	6	3,157.35	6	3,430.87	6		6		6		6		6		6		6	
1/4	2,888.88	1/4	3,163.05	1/4	3,436.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,894.60	1/2	3,168.75	1/2	3,442.28	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,900.31	3/4	3,174.45	3/4	3,447.98	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,906.02	7	3,180.15	7	3,453.68	7		7		7		7		7		7		7	
1/4	2,911.74	1/4	3,185.85	1/4	3,459.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,917.45	1/2	3,191.54	1/2	3,465.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,923.16	3/4	3,197.24	3/4	3,470.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,928.88	8	3,202.94	8	3,476.48	8		8		8		8		8		8		8	
1/4	2,934.59	1/4	3,208.64	1/4	3,482.18	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,940.30	1/2	3,214.34	1/2	3,487.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,946.02	3/4	3,220.03	3/4	3,493.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,951.73	9	3,225.73	9	3,499.28	9		9		9		9		9		9		9	
1/4	2,957.44	1/4	3,231.43	1/4	3,504.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,963.16	1/2	3,237.13	1/2	3,510.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,968.87	3/4	3,242.83	3/4	3,516.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,974.58	10	3,248.53	10	3,522.09	10		10		10		10		10		10		10	
1/4	2,980.30	1/4	3,254.22	1/4	3,527.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,986.01	1/2	3,259.92	1/2	3,533.49	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,991.72	3/4	3,265.62	3/4	3,539.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,997.44	11	3,271.32	11	3,544.89	11		11		11		11		11		11		11	
1/4	3,003.15	1/4	3,277.02	1/4	3,550.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,008.86	1/2	3,282.71	1/2	3,555.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,014.58	3/4	3,288.41	3/4	3,560.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/09/2017 SW CL  
CALCULATED: 02/10/2017 CL  
PRINTED: 02/12/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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



# BARGE "KELSO"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.77	0	277.52	0	541.98	0	815.34	0	1,089.65	0	1,363.95	0	1,638.26	0	1,912.56	0	2,186.87	0	2,461.08
1/4	21.28	1/4	283.24	1/4	547.48	1/4	821.06	1/4	1,095.36	1/4	1,369.67	1/4	1,643.97	1/4	1,918.28	1/4	2,192.58	1/4	2,466.80
1/2	24.78	1/2	288.95	1/2	552.99	1/2	826.77	1/2	1,101.08	1/2	1,375.38	1/2	1,649.69	1/2	1,923.99	1/2	2,198.30	1/2	2,472.51
3/4	28.29	3/4	294.67	3/4	558.49	3/4	832.49	3/4	1,106.79	3/4	1,381.10	3/4	1,655.40	3/4	1,929.71	3/4	2,204.01	3/4	2,478.22
1	31.80	1	300.38	1	564.00	1	838.20	1	1,112.51	1	1,386.81	1	1,661.12	1	1,935.42	1	2,209.73	1	2,483.93
1/4	36.34	1/4	305.90	1/4	569.69	1/4	843.92	1/4	1,118.22	1/4	1,392.53	1/4	1,666.83	1/4	1,941.14	1/4	2,215.44	1/4	2,489.64
1/2	40.89	1/2	311.41	1/2	575.38	1/2	849.63	1/2	1,123.94	1/2	1,398.24	1/2	1,672.55	1/2	1,946.85	1/2	2,221.16	1/2	2,495.36
3/4	45.44	3/4	316.92	3/4	581.07	3/4	855.34	3/4	1,129.65	3/4	1,403.96	3/4	1,678.26	3/4	1,952.57	3/4	2,226.87	3/4	2,501.07
2	49.98	2	322.44	2	586.75	2	861.06	2	1,135.36	2	1,409.67	2	1,683.98	2	1,958.28	2	2,232.59	2	2,506.78
1/4	55.45	1/4	327.92	1/4	592.47	1/4	866.77	1/4	1,141.08	1/4	1,415.39	1/4	1,689.69	1/4	1,964.00	1/4	2,238.30	1/4	2,512.49
1/2	60.92	1/2	333.41	1/2	598.18	1/2	872.49	1/2	1,146.79	1/2	1,421.10	1/2	1,695.41	1/2	1,969.71	1/2	2,244.02	1/2	2,518.21
3/4	66.40	3/4	338.89	3/4	603.90	3/4	878.20	3/4	1,152.51	3/4	1,426.81	3/4	1,701.12	3/4	1,975.43	3/4	2,249.73	3/4	2,523.92
3	71.87	3	344.37	3	609.61	3	883.92	3	1,158.22	3	1,432.53	3	1,706.83	3	1,981.14	3	2,255.44	3	2,529.63
1/4	77.57	1/4	349.86	1/4	615.33	1/4	889.63	1/4	1,163.94	1/4	1,438.24	1/4	1,712.55	1/4	1,986.86	1/4	2,261.16	1/4	2,535.34
1/2	83.26	1/2	355.34	1/2	621.04	1/2	895.35	1/2	1,169.65	1/2	1,443.96	1/2	1,718.26	1/2	1,992.57	1/2	2,266.87	1/2	2,541.05
3/4	88.96	3/4	360.83	3/4	626.76	3/4	901.06	3/4	1,175.37	3/4	1,449.67	3/4	1,723.98	3/4	1,998.28	3/4	2,272.58	3/4	2,546.77
4	94.66	4	366.31	4	632.47	4	906.78	4	1,181.08	4	1,455.39	4	1,729.69	4	2,004.00	4	2,278.29	4	2,552.48
1/4	100.38	1/4	371.80	1/4	638.19	1/4	912.49	1/4	1,186.80	1/4	1,461.10	1/4	1,735.41	1/4	2,009.71	1/4	2,284.01	1/4	2,558.19
1/2	106.09	1/2	377.28	1/2	643.90	1/2	918.21	1/2	1,192.51	1/2	1,466.82	1/2	1,741.12	1/2	2,015.43	1/2	2,289.72	1/2	2,563.90
3/4	111.80	3/4	382.77	3/4	649.62	3/4	923.92	3/4	1,198.23	3/4	1,472.53	3/4	1,746.84	3/4	2,021.14	3/4	2,295.43	3/4	2,569.62
5	117.52	5	388.25	5	655.33	5	929.64	5	1,203.94	5	1,478.25	5	1,752.55	5	2,026.86	5	2,301.14	5	2,575.33
1/4	123.23	1/4	393.74	1/4	661.04	1/4	935.35	1/4	1,209.66	1/4	1,483.96	1/4	1,758.27	1/4	2,032.57	1/4	2,306.85	1/4	2,581.04
1/2	128.95	1/2	399.22	1/2	666.76	1/2	941.07	1/2	1,215.37	1/2	1,489.68	1/2	1,763.98	1/2	2,038.29	1/2	2,312.57	1/2	2,586.75
3/4	134.66	3/4	404.71	3/4	672.47	3/4	946.78	3/4	1,221.09	3/4	1,495.39	3/4	1,769.70	3/4	2,044.00	3/4	2,318.28	3/4	2,592.46
6	140.38	6	410.19	6	678.19	6	952.49	6	1,226.80	6	1,501.11	6	1,775.41	6	2,049.72	6	2,323.99	6	2,598.18
1/4	146.09	1/4	415.68	1/4	683.90	1/4	958.21	1/4	1,232.51	1/4	1,506.82	1/4	1,781.13	1/4	2,055.43	1/4	2,329.70	1/4	2,603.89
1/2	151.81	1/2	421.16	1/2	689.62	1/2	963.92	1/2	1,238.23	1/2	1,512.54	1/2	1,786.84	1/2	2,061.15	1/2	2,335.42	1/2	2,609.60
3/4	157.52	3/4	426.65	3/4	695.33	3/4	969.64	3/4	1,243.94	3/4	1,518.25	3/4	1,792.56	3/4	2,066.86	3/4	2,341.13	3/4	2,615.31
7	163.23	7	432.13	7	701.05	7	975.35	7	1,249.66	7	1,523.96	7	1,798.27	7	2,072.58	7	2,346.84	7	2,621.03
1/4	168.95	1/4	437.61	1/4	706.76	1/4	981.07	1/4	1,255.37	1/4	1,529.68	1/4	1,803.98	1/4	2,078.29	1/4	2,352.55	1/4	2,626.74
1/2	174.66	1/2	443.10	1/2	712.48	1/2	986.78	1/2	1,261.09	1/2	1,535.39	1/2	1,809.70	1/2	2,084.01	1/2	2,358.26	1/2	2,632.45
3/4	180.38	3/4	448.58	3/4	718.19	3/4	992.50	3/4	1,266.80	3/4	1,541.11	3/4	1,815.41	3/4	2,089.72	3/4	2,363.98	3/4	2,638.16
8	186.09	8	454.07	8	723.91	8	998.21	8	1,272.52	8	1,546.82	8	1,821.13	8	2,095.43	8	2,369.69	8	2,643.87
1/4	191.81	1/4	459.55	1/4	729.62	1/4	1,003.93	1/4	1,278.23	1/4	1,552.54	1/4	1,826.84	1/4	2,101.15	1/4	2,375.40	1/4	2,649.59
1/2	197.52	1/2	465.04	1/2	735.34	1/2	1,009.64	1/2	1,283.95	1/2	1,558.25	1/2	1,832.56	1/2	2,106.86	1/2	2,381.11	1/2	2,655.30
3/4	203.24	3/4	470.52	3/4	741.05	3/4	1,015.36	3/4	1,289.66	3/4	1,563.97	3/4	1,838.27	3/4	2,112.58	3/4	2,386.83	3/4	2,661.01
9	208.95	9	476.01	9	746.77	9	1,021.07	9	1,295.38	9	1,569.68	9	1,843.99	9	2,118.29	9	2,392.54	9	2,666.72
1/4	214.67	1/4	481.50	1/4	752.48	1/4	1,026.79	1/4	1,301.09	1/4	1,575.40	1/4	1,849.70	1/4	2,124.01	1/4	2,398.25	1/4	2,672.44
1/2	220.38	1/2	486.99	1/2	758.19	1/2	1,032.50	1/2	1,306.81	1/2	1,581.11	1/2	1,855.42	1/2	2,129.72	1/2	2,403.96	1/2	2,678.15
3/4	226.09	3/4	492.49	3/4	763.91	3/4	1,038.22	3/4	1,312.52	3/4	1,586.83	3/4	1,861.13	3/4	2,135.44	3/4	2,409.67	3/4	2,683.86
10	231.81	10	497.98	10	769.62	10	1,043.93	10	1,318.24	10	1,592.54	10	1,866.85	10	2,141.15	10	2,415.39	10	2,689.57
1/4	237.52	1/4	503.47	1/4	775.34	1/4	1,049.64	1/4	1,323.95	1/4	1,598.26	1/4	1,872.56	1/4	2,146.87	1/4	2,421.10	1/4	2,695.28
1/2	243.24	1/2	508.97	1/2	781.05	1/2	1,055.36	1/2	1,329.66	1/2	1,603.97	1/2	1,878.28	1/2	2,152.58	1/2	2,426.81	1/2	2,701.00
3/4	248.95	3/4	514.46	3/4	786.77	3/4	1,061.07	3/4	1,335.38	3/4	1,609.69	3/4	1,883.99	3/4	2,158.30	3/4	2,432.52	3/4	2,706.71
11	254.67	11	519.96	11	792.48	11	1,066.79	11	1,341.09	11	1,615.40	11	1,889.71	11	2,164.01	11	2,438.23	11	2,712.42
1/4	260.38	1/4	525.46	1/4	798.20	1/4	1,072.50	1/4	1,346.81	1/4	1,621.11	1/4	1,895.42	1/4	2,169.73	1/4	2,443.95	1/4	2,718.13
1/2	266.10	1/2	530.97	1/2	803.91	1/2	1,078.22	1/2	1,352.52	1/2	1,626.83	1/2	1,901.13	1/2	2,175.44	1/2	2,449.66	1/2	2,723.84
3/4	271.81	3/4	536.47	3/4	809.63	3/4	1,083.93	3/4	1,358.24	3/4	1,632.54	3/4	1,906.85	3/4	2,181.16	3/4	2,455.37	3/4	2,729.56

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "KELSO"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 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	2,735.27	0	3,009.45	0	3,283.22	0	3,554.85	0		0		0		0		0		0	
1/4	2,740.98	1/4	3,015.17	1/4	3,288.92	1/4	3,559.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,746.69	1/2	3,020.88	1/2	3,294.62	1/2	3,564.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,752.41	3/4	3,026.59	3/4	3,300.31	3/4	3,568.89	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,758.12	1	3,032.30	1	3,306.01	1	3,573.57	1		1		1		1		1		1	
1/4	2,763.83	1/4	3,038.02	1/4	3,311.71	1/4	3,577.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,769.54	1/2	3,043.73	1/2	3,317.40	1/2	3,581.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,775.25	3/4	3,049.44	3/4	3,323.10	3/4	3,585.97	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,780.97	2	3,055.15	2	3,328.80	2	3,590.11	2		2		2		2		2		2	
1/4	2,786.68	1/4	3,060.86	1/4	3,334.50	1/4	3,593.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,792.39	1/2	3,066.58	1/2	3,340.19	1/2	3,597.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,798.10	3/4	3,072.29	3/4	3,345.89	3/4	3,600.88	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,803.82	3	3,078.00	3	3,351.59	3	3,604.47	3		3		3		3		3		3	
1/4	2,809.53	1/4	3,083.71	1/4	3,357.28	1/4	3,607.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,815.24	1/2	3,089.43	1/2	3,362.98	1/2	3,610.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,820.95	3/4	3,095.14	3/4	3,368.68	3/4	3,613.61	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,826.66	4	3,100.85	4	3,374.37	4		4		4		4		4		4		4	
1/4	2,832.38	1/4	3,106.56	1/4	3,380.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,838.09	1/2	3,112.27	1/2	3,385.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,843.80	3/4	3,117.99	3/4	3,391.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,849.51	5	3,123.70	5	3,397.16	5		5		5		5		5		5		5	
1/4	2,855.23	1/4	3,129.40	1/4	3,402.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,860.94	1/2	3,135.10	1/2	3,408.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,866.65	3/4	3,140.80	3/4	3,414.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,872.36	6	3,146.49	6	3,419.96	6		6		6		6		6		6		6	
1/4	2,878.07	1/4	3,152.19	1/4	3,425.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,883.79	1/2	3,157.89	1/2	3,431.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,889.50	3/4	3,163.59	3/4	3,437.06	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,895.21	7	3,169.28	7	3,442.76	7		7		7		7		7		7		7	
1/4	2,900.92	1/4	3,174.98	1/4	3,448.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,906.64	1/2	3,180.68	1/2	3,454.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,912.35	3/4	3,186.37	3/4	3,459.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,918.06	8	3,192.07	8	3,465.56	8		8		8		8		8		8		8	
1/4	2,923.77	1/4	3,197.77	1/4	3,471.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,929.48	1/2	3,203.46	1/2	3,476.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,935.20	3/4	3,209.16	3/4	3,482.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,940.91	9	3,214.86	9	3,488.36	9		9		9		9		9		9		9	
1/4	2,946.62	1/4	3,220.56	1/4	3,494.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,952.33	1/2	3,226.25	1/2	3,499.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,958.05	3/4	3,231.95	3/4	3,505.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,963.76	10	3,237.65	10	3,511.16	10		10		10		10		10		10		10	
1/4	2,969.47	1/4	3,243.34	1/4	3,516.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,975.18	1/2	3,249.04	1/2	3,522.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,980.89	3/4	3,254.74	3/4	3,528.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,986.61	11	3,260.43	11	3,533.95	11		11		11		11		11		11		11	
1/4	2,992.32	1/4	3,266.13	1/4	3,539.18	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,998.03	1/2	3,271.83	1/2	3,544.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,003.74	3/4	3,277.53	3/4	3,549.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/09/2017 SW CL  
CALCULATED: 02/10/2017 CL  
PRINTED: 02/12/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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



# BARGE "KELSO"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.77	0	277.52	0	551.29	0	825.59	0	1,099.90	0	1,374.21	0	1,648.51	0	1,922.82	0	2,197.12	0	2,471.34
1/4	21.28	1/4	283.24	1/4	557.00	1/4	831.31	1/4	1,105.61	1/4	1,379.92	1/4	1,654.23	1/4	1,928.53	1/4	2,202.84	1/4	2,477.05
1/2	24.78	1/2	288.95	1/2	562.72	1/2	837.02	1/2	1,111.33	1/2	1,385.63	1/2	1,659.94	1/2	1,934.25	1/2	2,208.55	1/2	2,482.76
3/4	28.29	3/4	294.67	3/4	568.43	3/4	842.74	3/4	1,117.04	3/4	1,391.35	3/4	1,665.66	3/4	1,939.96	3/4	2,214.27	3/4	2,488.47
1	31.80	1	300.38	1	574.15	1	848.45	1	1,122.76	1	1,397.06	1	1,671.37	1	1,945.68	1	2,219.98	1	2,494.18
1/4	36.34	1/4	306.08	1/4	579.86	1/4	854.17	1/4	1,128.47	1/4	1,402.78	1/4	1,677.08	1/4	1,951.39	1/4	2,225.70	1/4	2,499.90
1/2	40.89	1/2	311.78	1/2	585.58	1/2	859.88	1/2	1,134.19	1/2	1,408.49	1/2	1,682.80	1/2	1,957.10	1/2	2,231.41	1/2	2,505.61
3/4	45.44	3/4	317.49	3/4	591.29	3/4	865.60	3/4	1,139.90	3/4	1,414.21	3/4	1,688.51	3/4	1,962.82	3/4	2,237.13	3/4	2,511.32
2	49.98	2	323.19	2	597.01	2	871.31	2	1,145.62	2	1,419.92	2	1,694.23	2	1,968.53	2	2,242.84	2	2,517.03
1/4	55.45	1/4	328.89	1/4	602.72	1/4	877.03	1/4	1,151.33	1/4	1,425.64	1/4	1,699.94	1/4	1,974.25	1/4	2,248.55	1/4	2,522.75
1/2	60.92	1/2	334.59	1/2	608.44	1/2	882.74	1/2	1,157.05	1/2	1,431.35	1/2	1,705.66	1/2	1,979.96	1/2	2,254.27	1/2	2,528.46
3/4	66.40	3/4	340.28	3/4	614.15	3/4	888.46	3/4	1,162.76	3/4	1,437.07	3/4	1,711.37	3/4	1,985.68	3/4	2,259.98	3/4	2,534.17
3	71.87	3	345.98	3	619.86	3	894.17	3	1,168.48	3	1,442.78	3	1,717.09	3	1,991.39	3	2,265.70	3	2,539.88
1/4	77.57	1/4	351.68	1/4	625.58	1/4	899.89	1/4	1,174.19	1/4	1,448.50	1/4	1,722.80	1/4	1,997.11	1/4	2,271.41	1/4	2,545.59
1/2	83.26	1/2	357.38	1/2	631.29	1/2	905.60	1/2	1,179.91	1/2	1,454.21	1/2	1,728.52	1/2	2,002.82	1/2	2,277.12	1/2	2,551.31
3/4	88.96	3/4	363.08	3/4	637.01	3/4	911.31	3/4	1,185.62	3/4	1,459.93	3/4	1,734.23	3/4	2,008.54	3/4	2,282.83	3/4	2,557.02
4	94.66	4	368.78	4	642.72	4	917.03	4	1,191.33	4	1,465.64	4	1,739.95	4	2,014.25	4	2,288.55	4	2,562.73
1/4	100.38	1/4	374.48	1/4	648.44	1/4	922.74	1/4	1,197.05	1/4	1,471.36	1/4	1,745.66	1/4	2,019.97	1/4	2,294.26	1/4	2,568.44
1/2	106.09	1/2	380.18	1/2	654.15	1/2	928.46	1/2	1,202.76	1/2	1,477.07	1/2	1,751.38	1/2	2,025.68	1/2	2,299.97	1/2	2,574.16
3/4	111.80	3/4	385.88	3/4	659.87	3/4	934.17	3/4	1,208.48	3/4	1,482.78	3/4	1,757.09	3/4	2,031.40	3/4	2,305.68	3/4	2,579.87
5	117.52	5	391.58	5	665.58	5	939.89	5	1,214.19	5	1,488.50	5	1,762.80	5	2,037.11	5	2,311.39	5	2,585.58
1/4	123.23	1/4	397.28	1/4	671.30	1/4	945.60	1/4	1,219.91	1/4	1,494.21	1/4	1,768.52	1/4	2,042.83	1/4	2,317.11	1/4	2,591.29
1/2	128.95	1/2	402.98	1/2	677.01	1/2	951.32	1/2	1,225.62	1/2	1,499.93	1/2	1,774.23	1/2	2,048.54	1/2	2,322.82	1/2	2,597.00
3/4	134.66	3/4	408.67	3/4	682.73	3/4	957.03	3/4	1,231.34	3/4	1,505.64	3/4	1,779.95	3/4	2,054.25	3/4	2,328.53	3/4	2,602.72
6	140.38	6	414.37	6	688.44	6	962.75	6	1,237.05	6	1,511.36	6	1,785.66	6	2,059.97	6	2,334.24	6	2,608.43
1/4	146.09	1/4	420.07	1/4	694.16	1/4	968.46	1/4	1,242.77	1/4	1,517.07	1/4	1,791.38	1/4	2,065.68	1/4	2,339.96	1/4	2,614.14
1/2	151.81	1/2	425.77	1/2	699.87	1/2	974.18	1/2	1,248.48	1/2	1,522.79	1/2	1,797.09	1/2	2,071.40	1/2	2,345.67	1/2	2,619.85
3/4	157.52	3/4	431.47	3/4	705.59	3/4	979.89	3/4	1,254.20	3/4	1,528.50	3/4	1,802.81	3/4	2,077.11	3/4	2,351.38	3/4	2,625.57
7	163.23	7	437.17	7	711.30	7	985.61	7	1,259.91	7	1,534.22	7	1,808.52	7	2,082.83	7	2,357.09	7	2,631.28
1/4	168.95	1/4	442.87	1/4	717.01	1/4	991.32	1/4	1,265.63	1/4	1,539.93	1/4	1,814.24	1/4	2,088.54	1/4	2,362.80	1/4	2,636.99
1/2	174.66	1/2	448.57	1/2	722.73	1/2	997.04	1/2	1,271.34	1/2	1,545.65	1/2	1,819.95	1/2	2,094.26	1/2	2,368.52	1/2	2,642.70
3/4	180.38	3/4	454.27	3/4	728.44	3/4	1,002.75	3/4	1,277.06	3/4	1,551.36	3/4	1,825.67	3/4	2,099.97	3/4	2,374.23	3/4	2,648.41
8	186.09	8	459.97	8	734.16	8	1,008.46	8	1,282.77	8	1,557.08	8	1,831.38	8	2,105.69	8	2,379.94	8	2,654.13
1/4	191.81	1/4	465.67	1/4	739.87	1/4	1,014.18	1/4	1,288.48	1/4	1,562.79	1/4	1,837.10	1/4	2,111.40	1/4	2,385.65	1/4	2,659.84
1/2	197.52	1/2	471.37	1/2	745.59	1/2	1,019.89	1/2	1,294.20	1/2	1,568.51	1/2	1,842.81	1/2	2,117.12	1/2	2,391.37	1/2	2,665.55
3/4	203.24	3/4	477.07	3/4	751.30	3/4	1,025.61	3/4	1,299.91	3/4	1,574.22	3/4	1,848.53	3/4	2,122.83	3/4	2,397.08	3/4	2,671.26
9	208.95	9	482.76	9	757.02	9	1,031.32	9	1,305.63	9	1,579.93	9	1,854.24	9	2,128.55	9	2,402.79	9	2,676.98
1/4	214.67	1/4	488.47	1/4	762.73	1/4	1,037.04	1/4	1,311.34	1/4	1,585.65	1/4	1,859.95	1/4	2,134.26	1/4	2,408.50	1/4	2,682.69
1/2	220.38	1/2	494.18	1/2	768.45	1/2	1,042.75	1/2	1,317.06	1/2	1,591.36	1/2	1,865.67	1/2	2,139.98	1/2	2,414.21	1/2	2,688.40
3/4	226.09	3/4	499.89	3/4	774.16	3/4	1,048.47	3/4	1,322.77	3/4	1,597.08	3/4	1,871.38	3/4	2,145.69	3/4	2,419.93	3/4	2,694.11
10	231.81	10	505.60	10	779.88	10	1,054.18	10	1,328.49	10	1,602.79	10	1,877.10	10	2,151.40	10	2,425.64	10	2,699.82
1/4	237.52	1/4	511.30	1/4	785.59	1/4	1,059.90	1/4	1,334.20	1/4	1,608.51	1/4	1,882.81	1/4	2,157.12	1/4	2,431.35	1/4	2,705.54
1/2	243.24	1/2	517.01	1/2	791.31	1/2	1,065.61	1/2	1,339.92	1/2	1,614.22	1/2	1,888.53	1/2	2,162.83	1/2	2,437.06	1/2	2,711.25
3/4	248.95	3/4	522.72	3/4	797.02	3/4	1,071.33	3/4	1,345.63	3/4	1,619.94	3/4	1,894.24	3/4	2,168.55	3/4	2,442.78	3/4	2,716.96
11	254.67	11	528.43	11	802.74	11	1,077.04	11	1,351.35	11	1,625.65	11	1,899.96	11	2,174.26	11	2,448.49	11	2,722.67
1/4	260.38	1/4	534.15	1/4	808.45	1/4	1,082.76	1/4	1,357.06	1/4	1,631.37	1/4	1,905.67	1/4	2,179.98	1/4	2,454.20	1/4	2,728.39
1/2	266.10	1/2	539.86	1/2	814.16	1/2	1,088.47	1/2	1,362.78	1/2	1,637.08	1/2	1,911.39	1/2	2,185.69	1/2	2,459.91	1/2	2,734.10
3/4	271.81	3/4	545.57	3/4	819.88	3/4	1,094.19	3/4	1,368.49	3/4	1,642.80	3/4	1,917.10	3/4	2,191.41	3/4	2,465.62	3/4	2,739.81

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "KELSO"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 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	2,745.52	0	3,019.71	0	3,293.48	0	3,565.10	0		0		0		0		0		0	
1/4	2,751.23	1/4	3,025.42	1/4	3,299.17	1/4	3,569.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,756.95	1/2	3,031.13	1/2	3,304.87	1/2	3,574.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,762.66	3/4	3,036.84	3/4	3,310.57	3/4	3,579.14	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,768.37	1	3,042.56	1	3,316.26	1	3,583.82	1		1		1		1		1		1	
1/4	2,774.08	1/4	3,048.27	1/4	3,321.96	1/4	3,587.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,779.79	1/2	3,053.98	1/2	3,327.66	1/2	3,592.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,785.51	3/4	3,059.69	3/4	3,333.35	3/4	3,596.23	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,791.22	2	3,065.40	2	3,339.05	2	3,600.36	2		2		2		2		2		2	
1/4	2,796.93	1/4	3,071.12	1/4	3,344.75	1/4	3,603.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,802.64	1/2	3,076.83	1/2	3,350.45	1/2	3,607.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,808.36	3/4	3,082.54	3/4	3,356.14	3/4	3,611.13	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,814.07	3	3,088.25	3	3,361.84	3	3,614.73	3		3		3		3		3		3	
1/4	2,819.78	1/4	3,093.97	1/4	3,367.54	1/4	3,617.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,825.49	1/2	3,099.68	1/2	3,373.23	1/2	3,620.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,831.20	3/4	3,105.39	3/4	3,378.93	3/4	3,623.86	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,836.92	4	3,111.10	4	3,384.63	4		4		4		4		4		4		4	
1/4	2,842.63	1/4	3,116.81	1/4	3,390.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,848.34	1/2	3,122.53	1/2	3,396.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,854.05	3/4	3,128.24	3/4	3,401.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,859.77	5	3,133.95	5	3,407.42	5		5		5		5		5		5		5	
1/4	2,865.48	1/4	3,139.65	1/4	3,413.12	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,871.19	1/2	3,145.35	1/2	3,418.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,876.90	3/4	3,151.05	3/4	3,424.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,882.61	6	3,156.75	6	3,430.21	6		6		6		6		6		6		6	
1/4	2,888.33	1/4	3,162.44	1/4	3,435.91	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,894.04	1/2	3,168.14	1/2	3,441.61	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,899.75	3/4	3,173.84	3/4	3,447.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,905.46	7	3,179.54	7	3,453.01	7		7		7		7		7		7		7	
1/4	2,911.18	1/4	3,185.23	1/4	3,458.71	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,916.89	1/2	3,190.93	1/2	3,464.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,922.60	3/4	3,196.63	3/4	3,470.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,928.31	8	3,202.32	8	3,475.81	8		8		8		8		8		8		8	
1/4	2,934.02	1/4	3,208.02	1/4	3,481.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,939.74	1/2	3,213.72	1/2	3,487.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,945.45	3/4	3,219.41	3/4	3,492.91	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,951.16	9	3,225.11	9	3,498.61	9		9		9		9		9		9		9	
1/4	2,956.87	1/4	3,230.81	1/4	3,504.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,962.59	1/2	3,236.51	1/2	3,510.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,968.30	3/4	3,242.20	3/4	3,515.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,974.01	10	3,247.90	10	3,521.41	10		10		10		10		10		10		10	
1/4	2,979.72	1/4	3,253.60	1/4	3,527.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,985.43	1/2	3,259.29	1/2	3,532.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,991.15	3/4	3,264.99	3/4	3,538.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,996.86	11	3,270.69	11	3,544.21	11		11		11		11		11		11		11	
1/4	3,002.57	1/4	3,276.38	1/4	3,549.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,008.28	1/2	3,282.08	1/2	3,554.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,014.00	3/4	3,287.78	3/4	3,559.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/09/2017 SW CL  
CALCULATED: 02/10/2017 CL  
PRINTED: 02/12/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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



# BARGE "KELSO"

## 4 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.78	0	277.73	0	542.40	0	815.97	0	1,090.49	0	1,365.01	0	1,639.52	0	1,914.04	0	2,188.56	0	2,462.96
1/4	21.29	1/4	283.45	1/4	547.91	1/4	821.69	1/4	1,096.21	1/4	1,370.72	1/4	1,645.24	1/4	1,919.76	1/4	2,194.28	1/4	2,468.68
1/2	24.80	1/2	289.17	1/2	553.42	1/2	827.41	1/2	1,101.93	1/2	1,376.44	1/2	1,650.96	1/2	1,925.48	1/2	2,199.99	1/2	2,474.40
3/4	28.31	3/4	294.89	3/4	558.93	3/4	833.13	3/4	1,107.65	3/4	1,382.16	3/4	1,656.68	3/4	1,931.20	3/4	2,205.71	3/4	2,480.11
1	31.82	1	300.61	1	564.44	1	838.85	1	1,113.37	1	1,387.88	1	1,662.40	1	1,936.92	1	2,211.43	1	2,485.83
1/4	36.37	1/4	306.13	1/4	570.13	1/4	844.57	1/4	1,119.08	1/4	1,393.60	1/4	1,668.12	1/4	1,942.63	1/4	2,217.15	1/4	2,491.55
1/2	40.92	1/2	311.65	1/2	575.82	1/2	850.29	1/2	1,124.80	1/2	1,399.32	1/2	1,673.84	1/2	1,948.35	1/2	2,222.87	1/2	2,497.26
3/4	45.47	3/4	317.16	3/4	581.52	3/4	856.01	3/4	1,130.52	3/4	1,405.04	3/4	1,679.56	3/4	1,954.07	3/4	2,228.59	3/4	2,502.98
2	50.02	2	322.68	2	587.21	2	861.72	2	1,136.24	2	1,410.76	2	1,685.28	2	1,959.79	2	2,234.31	2	2,508.70
1/4	55.49	1/4	328.17	1/4	592.93	1/4	867.44	1/4	1,141.96	1/4	1,416.48	1/4	1,690.99	1/4	1,965.51	1/4	2,240.02	1/4	2,514.41
1/2	60.97	1/2	333.66	1/2	598.65	1/2	873.16	1/2	1,147.68	1/2	1,422.20	1/2	1,696.71	1/2	1,971.23	1/2	2,245.74	1/2	2,520.13
3/4	66.45	3/4	339.15	3/4	604.37	3/4	878.88	3/4	1,153.40	3/4	1,427.92	3/4	1,702.43	3/4	1,976.95	3/4	2,251.45	3/4	2,525.84
3	71.92	3	344.64	3	610.08	3	884.60	3	1,159.12	3	1,433.63	3	1,708.15	3	1,982.67	3	2,257.17	3	2,531.56
1/4	77.62	1/4	350.13	1/4	615.80	1/4	890.32	1/4	1,164.84	1/4	1,439.35	1/4	1,713.87	1/4	1,988.39	1/4	2,262.89	1/4	2,537.28
1/2	83.33	1/2	355.62	1/2	621.52	1/2	896.04	1/2	1,170.56	1/2	1,445.07	1/2	1,719.59	1/2	1,994.11	1/2	2,268.60	1/2	2,542.99
3/4	89.03	3/4	361.10	3/4	627.24	3/4	901.76	3/4	1,176.28	3/4	1,450.79	3/4	1,725.31	3/4	1,999.83	3/4	2,274.32	3/4	2,548.71
4	94.73	4	366.59	4	632.96	4	907.48	4	1,181.99	4	1,456.51	4	1,731.03	4	2,005.54	4	2,280.04	4	2,554.43
1/4	100.45	1/4	372.08	1/4	638.68	1/4	913.20	1/4	1,187.71	1/4	1,462.23	1/4	1,736.75	1/4	2,011.26	1/4	2,285.75	1/4	2,560.14
1/2	106.17	1/2	377.57	1/2	644.40	1/2	918.92	1/2	1,193.43	1/2	1,467.95	1/2	1,742.47	1/2	2,016.98	1/2	2,291.47	1/2	2,565.86
3/4	111.89	3/4	383.06	3/4	650.12	3/4	924.64	3/4	1,199.15	3/4	1,473.67	3/4	1,748.19	3/4	2,022.70	3/4	2,297.18	3/4	2,571.58
5	117.61	5	388.55	5	655.84	5	930.35	5	1,204.87	5	1,479.39	5	1,753.90	5	2,028.42	5	2,302.90	5	2,577.29
1/4	123.33	1/4	394.04	1/4	661.56	1/4	936.07	1/4	1,210.59	1/4	1,485.11	1/4	1,759.62	1/4	2,034.14	1/4	2,308.62	1/4	2,583.01
1/2	129.04	1/2	399.53	1/2	667.28	1/2	941.79	1/2	1,216.31	1/2	1,490.83	1/2	1,765.34	1/2	2,039.86	1/2	2,314.33	1/2	2,588.73
3/4	134.76	3/4	405.02	3/4	672.99	3/4	947.51	3/4	1,222.03	3/4	1,496.55	3/4	1,771.06	3/4	2,045.58	3/4	2,320.05	3/4	2,594.44
6	140.48	6	410.51	6	678.71	6	953.23	6	1,227.75	6	1,502.26	6	1,776.78	6	2,051.30	6	2,325.77	6	2,600.16
1/4	146.20	1/4	415.99	1/4	684.43	1/4	958.95	1/4	1,233.47	1/4	1,507.98	1/4	1,782.50	1/4	2,057.02	1/4	2,331.48	1/4	2,605.88
1/2	151.92	1/2	421.48	1/2	690.15	1/2	964.67	1/2	1,239.19	1/2	1,513.70	1/2	1,788.22	1/2	2,062.74	1/2	2,337.20	1/2	2,611.59
3/4	157.64	3/4	426.97	3/4	695.87	3/4	970.39	3/4	1,244.90	3/4	1,519.42	3/4	1,793.94	3/4	2,068.46	3/4	2,342.92	3/4	2,617.31
7	163.36	7	432.46	7	701.59	7	976.11	7	1,250.62	7	1,525.14	7	1,799.66	7	2,074.17	7	2,348.63	7	2,623.03
1/4	169.08	1/4	437.95	1/4	707.31	1/4	981.83	1/4	1,256.34	1/4	1,530.86	1/4	1,805.38	1/4	2,079.89	1/4	2,354.35	1/4	2,628.74
1/2	174.80	1/2	443.44	1/2	713.03	1/2	987.55	1/2	1,262.06	1/2	1,536.58	1/2	1,811.10	1/2	2,085.61	1/2	2,360.07	1/2	2,634.46
3/4	180.51	3/4	448.93	3/4	718.75	3/4	993.26	3/4	1,267.78	3/4	1,542.30	3/4	1,816.81	3/4	2,091.33	3/4	2,365.78	3/4	2,640.17
8	186.23	8	454.42	8	724.47	8	998.98	8	1,273.50	8	1,548.02	8	1,822.53	8	2,097.05	8	2,371.50	8	2,645.89
1/4	191.95	1/4	459.91	1/4	730.19	1/4	1,004.70	1/4	1,279.22	1/4	1,553.74	1/4	1,828.25	1/4	2,102.77	1/4	2,377.22	1/4	2,651.61
1/2	197.67	1/2	465.40	1/2	735.90	1/2	1,010.42	1/2	1,284.94	1/2	1,559.46	1/2	1,833.97	1/2	2,108.49	1/2	2,382.93	1/2	2,657.32
3/4	203.39	3/4	470.88	3/4	741.62	3/4	1,016.14	3/4	1,290.66	3/4	1,565.17	3/4	1,839.69	3/4	2,114.21	3/4	2,388.65	3/4	2,663.04
9	209.11	9	476.37	9	747.34	9	1,021.86	9	1,296.38	9	1,570.89	9	1,845.41	9	2,119.93	9	2,394.37	9	2,668.76
1/4	214.83	1/4	481.87	1/4	753.06	1/4	1,027.58	1/4	1,302.10	1/4	1,576.61	1/4	1,851.13	1/4	2,125.65	1/4	2,400.08	1/4	2,674.47
1/2	220.55	1/2	487.37	1/2	758.78	1/2	1,033.30	1/2	1,307.81	1/2	1,582.33	1/2	1,856.85	1/2	2,131.37	1/2	2,405.80	1/2	2,680.19
3/4	226.26	3/4	492.87	3/4	764.50	3/4	1,039.02	3/4	1,313.53	3/4	1,588.05	3/4	1,862.57	3/4	2,137.08	3/4	2,411.51	3/4	2,685.91
10	231.98	10	498.36	10	770.22	10	1,044.74	10	1,319.25	10	1,593.77	10	1,868.29	10	2,142.80	10	2,417.23	10	2,691.62
1/4	237.70	1/4	503.86	1/4	775.94	1/4	1,050.46	1/4	1,324.97	1/4	1,599.49	1/4	1,874.01	1/4	2,148.52	1/4	2,422.95	1/4	2,697.34
1/2	243.42	1/2	509.36	1/2	781.66	1/2	1,056.17	1/2	1,330.69	1/2	1,605.21	1/2	1,879.72	1/2	2,154.24	1/2	2,428.66	1/2	2,703.06
3/4	249.14	3/4	514.86	3/4	787.38	3/4	1,061.89	3/4	1,336.41	3/4	1,610.93	3/4	1,885.44	3/4	2,159.96	3/4	2,434.38	3/4	2,708.77
11	254.86	11	520.36	11	793.10	11	1,067.61	11	1,342.13	11	1,616.65	11	1,891.16	11	2,165.68	11	2,440.10	11	2,714.49
1/4	260.58	1/4	525.87	1/4	798.81	1/4	1,073.33	1/4	1,347.85	1/4	1,622.37	1/4	1,896.88	1/4	2,171.40	1/4	2,445.81	1/4	2,720.21
1/2	266.30	1/2	531.38	1/2	804.53	1/2	1,079.05	1/2	1,353.57	1/2	1,628.08	1/2	1,902.60	1/2	2,177.12	1/2	2,451.53	1/2	2,725.92
3/4	272.01	3/4	536.89	3/4	810.25	3/4	1,084.77	3/4	1,359.29	3/4	1,633.80	3/4	1,908.32	3/4	2,182.84	3/4	2,457.25	3/4	2,731.64

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KELSO"

## 4 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01"

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	2,737.36	0	3,011.75	0	3,285.73	0	3,557.56	0		0		0		0		0		0	
1/4	2,743.07	1/4	3,017.46	1/4	3,291.43	1/4	3,562.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,748.79	1/2	3,023.18	1/2	3,297.13	1/2	3,566.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,754.50	3/4	3,028.90	3/4	3,302.84	3/4	3,571.61	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,760.22	1	3,034.61	1	3,308.54	1	3,576.29	1		1		1		1		1		1	
1/4	2,765.94	1/4	3,040.33	1/4	3,314.24	1/4	3,580.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,771.65	1/2	3,046.05	1/2	3,319.94	1/2	3,584.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,777.37	3/4	3,051.76	3/4	3,325.64	3/4	3,588.70	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,783.09	2	3,057.48	2	3,331.34	2	3,592.84	2		2		2		2		2		2	
1/4	2,788.80	1/4	3,063.20	1/4	3,337.04	1/4	3,596.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,794.52	1/2	3,068.91	1/2	3,342.75	1/2	3,600.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,800.24	3/4	3,074.63	3/4	3,348.45	3/4	3,603.62	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,805.95	3	3,080.35	3	3,354.15	3	3,607.22	3		3		3		3		3		3	
1/4	2,811.67	1/4	3,086.06	1/4	3,359.85	1/4	3,610.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,817.39	1/2	3,091.78	1/2	3,365.55	1/2	3,613.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,823.10	3/4	3,097.49	3/4	3,371.25	3/4	3,616.36	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,828.82	4	3,103.21	4	3,376.95	4		4		4		4		4		4		4	
1/4	2,834.54	1/4	3,108.93	1/4	3,382.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,840.25	1/2	3,114.64	1/2	3,388.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,845.97	3/4	3,120.36	3/4	3,394.06	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,851.69	5	3,126.08	5	3,399.76	5		5		5		5		5		5		5	
1/4	2,857.40	1/4	3,131.78	1/4	3,405.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,863.12	1/2	3,137.49	1/2	3,411.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,868.83	3/4	3,143.19	3/4	3,416.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,874.55	6	3,148.90	6	3,422.57	6		6		6		6		6		6		6	
1/4	2,880.27	1/4	3,154.60	1/4	3,428.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,885.98	1/2	3,160.30	1/2	3,433.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,891.70	3/4	3,166.00	3/4	3,439.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,897.42	7	3,171.70	7	3,445.39	7		7		7		7		7		7		7	
1/4	2,903.13	1/4	3,177.41	1/4	3,451.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,908.85	1/2	3,183.11	1/2	3,456.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,914.57	3/4	3,188.81	3/4	3,462.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,920.28	8	3,194.51	8	3,468.21	8		8		8		8		8		8		8	
1/4	2,926.00	1/4	3,200.21	1/4	3,473.91	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,931.72	1/2	3,205.91	1/2	3,479.61	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,937.43	3/4	3,211.61	3/4	3,485.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,943.15	9	3,217.31	9	3,491.02	9		9		9		9		9		9		9	
1/4	2,948.87	1/4	3,223.02	1/4	3,496.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,954.58	1/2	3,228.72	1/2	3,502.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,960.30	3/4	3,234.42	3/4	3,508.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,966.02	10	3,240.12	10	3,513.84	10		10		10		10		10		10		10	
1/4	2,971.73	1/4	3,245.82	1/4	3,519.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,977.45	1/2	3,251.52	1/2	3,525.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,983.16	3/4	3,257.22	3/4	3,530.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,988.88	11	3,262.93	11	3,536.65	11		11		11		11		11		11		11	
1/4	2,994.60	1/4	3,268.63	1/4	3,541.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,000.31	1/2	3,274.33	1/2	3,547.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,006.03	3/4	3,280.03	3/4	3,552.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/09/2017 SW CL  
CALCULATED: 02/10/2017 CL  
PRINTED: 02/12/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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



# BARGE "KELSO"

## 4 STBD

## INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-00 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.77	0	277.58	0	551.39	0	825.75	0	1,100.11	0	1,374.47	0	1,648.83	0	1,923.19	0	2,197.54	0	2,471.81
1/4	21.28	1/4	283.29	1/4	557.11	1/4	831.47	1/4	1,105.83	1/4	1,380.19	1/4	1,654.54	1/4	1,928.90	1/4	2,203.26	1/4	2,477.53
1/2	24.79	1/2	289.01	1/2	562.83	1/2	837.18	1/2	1,111.54	1/2	1,385.90	1/2	1,660.26	1/2	1,934.62	1/2	2,208.98	1/2	2,483.24
3/4	28.30	3/4	294.72	3/4	568.54	3/4	842.90	3/4	1,117.26	3/4	1,391.62	3/4	1,665.98	3/4	1,940.33	3/4	2,214.69	3/4	2,488.95
1	31.80	1	300.44	1	574.26	1	848.62	1	1,122.97	1	1,397.33	1	1,671.69	1	1,946.05	1	2,220.41	1	2,494.66
1/4	36.35	1/4	306.14	1/4	579.97	1/4	854.33	1/4	1,128.69	1/4	1,403.05	1/4	1,677.41	1/4	1,951.77	1/4	2,226.12	1/4	2,500.38
1/2	40.90	1/2	311.84	1/2	585.69	1/2	860.05	1/2	1,134.41	1/2	1,408.76	1/2	1,683.12	1/2	1,957.48	1/2	2,231.84	1/2	2,506.09
3/4	45.44	3/4	317.55	3/4	591.40	3/4	865.76	3/4	1,140.12	3/4	1,414.48	3/4	1,688.84	3/4	1,963.20	3/4	2,237.56	3/4	2,511.80
2	49.99	2	323.25	2	597.12	2	871.48	2	1,145.84	2	1,420.20	2	1,694.55	2	1,968.91	2	2,243.27	2	2,517.52
1/4	55.46	1/4	328.95	1/4	602.84	1/4	877.19	1/4	1,151.55	1/4	1,425.91	1/4	1,700.27	1/4	1,974.63	1/4	2,248.99	1/4	2,523.23
1/2	60.94	1/2	334.65	1/2	608.55	1/2	882.91	1/2	1,157.27	1/2	1,431.63	1/2	1,705.99	1/2	1,980.34	1/2	2,254.70	1/2	2,528.94
3/4	66.41	3/4	340.35	3/4	614.27	3/4	888.63	3/4	1,162.98	3/4	1,437.34	3/4	1,711.70	3/4	1,986.06	3/4	2,260.42	3/4	2,534.66
3	71.88	3	346.05	3	619.98	3	894.34	3	1,168.70	3	1,443.06	3	1,717.42	3	1,991.78	3	2,266.13	3	2,540.37
1/4	77.58	1/4	351.75	1/4	625.70	1/4	900.06	1/4	1,174.42	1/4	1,448.77	1/4	1,723.13	1/4	1,997.49	1/4	2,271.85	1/4	2,546.08
1/2	83.28	1/2	357.45	1/2	631.42	1/2	905.77	1/2	1,180.13	1/2	1,454.49	1/2	1,728.85	1/2	2,003.21	1/2	2,277.56	1/2	2,551.80
3/4	88.98	3/4	363.15	3/4	637.13	3/4	911.49	3/4	1,185.85	3/4	1,460.21	3/4	1,734.56	3/4	2,008.92	3/4	2,283.27	3/4	2,557.51
4	94.68	4	368.85	4	642.85	4	917.21	4	1,191.56	4	1,465.92	4	1,740.28	4	2,014.64	4	2,288.99	4	2,563.22
1/4	100.39	1/4	374.55	1/4	648.56	1/4	922.92	1/4	1,197.28	1/4	1,471.64	1/4	1,746.00	1/4	2,020.35	1/4	2,294.70	1/4	2,568.94
1/2	106.11	1/2	380.25	1/2	654.28	1/2	928.64	1/2	1,203.00	1/2	1,477.35	1/2	1,751.71	1/2	2,026.07	1/2	2,300.41	1/2	2,574.65
3/4	111.83	3/4	385.95	3/4	659.99	3/4	934.35	3/4	1,208.71	3/4	1,483.07	3/4	1,757.43	3/4	2,031.79	3/4	2,306.13	3/4	2,580.36
5	117.54	5	391.65	5	665.71	5	940.07	5	1,214.43	5	1,488.79	5	1,763.14	5	2,037.50	5	2,311.84	5	2,586.08
1/4	123.26	1/4	397.35	1/4	671.43	1/4	945.78	1/4	1,220.14	1/4	1,494.50	1/4	1,768.86	1/4	2,043.22	1/4	2,317.55	1/4	2,591.79
1/2	128.97	1/2	403.05	1/2	677.14	1/2	951.50	1/2	1,225.86	1/2	1,500.22	1/2	1,774.58	1/2	2,048.93	1/2	2,323.27	1/2	2,597.50
3/4	134.69	3/4	408.75	3/4	682.86	3/4	957.22	3/4	1,231.57	3/4	1,505.93	3/4	1,780.29	3/4	2,054.65	3/4	2,328.98	3/4	2,603.22
6	140.40	6	414.45	6	688.57	6	962.93	6	1,237.29	6	1,511.65	6	1,786.01	6	2,060.37	6	2,334.69	6	2,608.93
1/4	146.12	1/4	420.15	1/4	694.29	1/4	968.65	1/4	1,243.01	1/4	1,517.36	1/4	1,791.72	1/4	2,066.08	1/4	2,340.41	1/4	2,614.64
1/2	151.83	1/2	425.85	1/2	700.00	1/2	974.36	1/2	1,248.72	1/2	1,523.08	1/2	1,797.44	1/2	2,071.80	1/2	2,346.12	1/2	2,620.36
3/4	157.55	3/4	431.55	3/4	705.72	3/4	980.08	3/4	1,254.44	3/4	1,528.80	3/4	1,803.15	3/4	2,077.51	3/4	2,351.83	3/4	2,626.07
7	163.27	7	437.25	7	711.44	7	985.79	7	1,260.15	7	1,534.51	7	1,808.87	7	2,083.23	7	2,357.55	7	2,631.78
1/4	168.98	1/4	442.95	1/4	717.15	1/4	991.51	1/4	1,265.87	1/4	1,540.23	1/4	1,814.59	1/4	2,088.94	1/4	2,363.26	1/4	2,637.50
1/2	174.70	1/2	448.66	1/2	722.87	1/2	997.23	1/2	1,271.58	1/2	1,545.94	1/2	1,820.30	1/2	2,094.66	1/2	2,368.97	1/2	2,643.21
3/4	180.41	3/4	454.36	3/4	728.58	3/4	1,002.94	3/4	1,277.30	3/4	1,551.66	3/4	1,826.02	3/4	2,100.38	3/4	2,374.69	3/4	2,648.92
8	186.13	8	460.06	8	734.30	8	1,008.66	8	1,283.02	8	1,557.37	8	1,831.73	8	2,106.09	8	2,380.40	8	2,654.64
1/4	191.84	1/4	465.76	1/4	740.02	1/4	1,014.37	1/4	1,288.73	1/4	1,563.09	1/4	1,837.45	1/4	2,111.81	1/4	2,386.11	1/4	2,660.35
1/2	197.56	1/2	471.46	1/2	745.73	1/2	1,020.09	1/2	1,294.45	1/2	1,568.81	1/2	1,843.16	1/2	2,117.52	1/2	2,391.83	1/2	2,666.06
3/4	203.27	3/4	477.16	3/4	751.45	3/4	1,025.81	3/4	1,300.16	3/4	1,574.52	3/4	1,848.88	3/4	2,123.24	3/4	2,397.54	3/4	2,671.78
9	208.99	9	482.86	9	757.16	9	1,031.52	9	1,305.88	9	1,580.24	9	1,854.60	9	2,128.95	9	2,403.25	9	2,677.49
1/4	214.71	1/4	488.57	1/4	762.88	1/4	1,037.24	1/4	1,311.60	1/4	1,585.95	1/4	1,860.31	1/4	2,134.67	1/4	2,408.97	1/4	2,683.20
1/2	220.42	1/2	494.28	1/2	768.59	1/2	1,042.95	1/2	1,317.31	1/2	1,591.67	1/2	1,866.03	1/2	2,140.39	1/2	2,414.68	1/2	2,688.92
3/4	226.14	3/4	499.98	3/4	774.31	3/4	1,048.67	3/4	1,323.03	3/4	1,597.39	3/4	1,871.74	3/4	2,146.10	3/4	2,420.39	3/4	2,694.63
10	231.85	10	505.69	10	780.03	10	1,054.38	10	1,328.74	10	1,603.10	10	1,877.46	10	2,151.82	10	2,426.11	10	2,700.34
1/4	237.57	1/4	511.40	1/4	785.74	1/4	1,060.10	1/4	1,334.46	1/4	1,608.82	1/4	1,883.18	1/4	2,157.53	1/4	2,431.82	1/4	2,706.06
1/2	243.28	1/2	517.11	1/2	791.46	1/2	1,065.82	1/2	1,340.17	1/2	1,614.53	1/2	1,888.89	1/2	2,163.25	1/2	2,437.53	1/2	2,711.77
3/4	249.00	3/4	522.82	3/4	797.17	3/4	1,071.53	3/4	1,345.89	3/4	1,620.25	3/4	1,894.61	3/4	2,168.97	3/4	2,443.25	3/4	2,717.48
11	254.72	11	528.53	11	802.89	11	1,077.25	11	1,351.61	11	1,625.96	11	1,900.32	11	2,174.68	11	2,448.96	11	2,723.20
1/4	260.43	1/4	534.25	1/4	808.61	1/4	1,082.96	1/4	1,357.32	1/4	1,631.68	1/4	1,906.04	1/4	2,180.40	1/4	2,454.67	1/4	2,728.91
1/2	266.15	1/2	539.96	1/2	814.32	1/2	1,088.68	1/2	1,363.04	1/2	1,637.40	1/2	1,911.75	1/2	2,186.11	1/2	2,460.39	1/2	2,734.62
3/4	271.86	3/4	545.68	3/4	820.04	3/4	1,094.40	3/4	1,368.75	3/4	1,643.11	3/4	1,917.47	3/4	2,191.83	3/4	2,466.10	3/4	2,740.34

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

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





# BARGE "KELSO"

## 4 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-00 3/4"

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	2,746.05	0	3,020.29	0	3,294.11	0	3,565.78	0		0		0		0		0		0	
1/4	2,751.76	1/4	3,026.00	1/4	3,299.81	1/4	3,570.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,757.48	1/2	3,031.72	1/2	3,305.51	1/2	3,575.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,763.19	3/4	3,037.43	3/4	3,311.21	3/4	3,579.82	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,768.90	1	3,043.14	1	3,316.90	1	3,584.50	1		1		1		1		1		1	
1/4	2,774.62	1/4	3,048.86	1/4	3,322.60	1/4	3,588.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,780.33	1/2	3,054.57	1/2	3,328.30	1/2	3,592.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,786.04	3/4	3,060.28	3/4	3,334.00	3/4	3,596.91	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,791.76	2	3,065.99	2	3,339.70	2	3,601.04	2		2		2		2		2		2	
1/4	2,797.47	1/4	3,071.71	1/4	3,345.40	1/4	3,604.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,803.18	1/2	3,077.42	1/2	3,351.09	1/2	3,608.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,808.90	3/4	3,083.13	3/4	3,356.79	3/4	3,611.82	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,814.61	3	3,088.85	3	3,362.49	3	3,615.41	3		3		3		3		3		3	
1/4	2,820.32	1/4	3,094.56	1/4	3,368.19	1/4	3,618.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,826.04	1/2	3,100.27	1/2	3,373.89	1/2	3,621.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,831.75	3/4	3,105.99	3/4	3,379.58	3/4	3,624.55	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,837.46	4	3,111.70	4	3,385.28	4		4		4		4		4		4		4	
1/4	2,843.18	1/4	3,117.41	1/4	3,390.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,848.89	1/2	3,123.13	1/2	3,396.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,854.60	3/4	3,128.84	3/4	3,402.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,860.32	5	3,134.55	5	3,408.08	5		5		5		5		5		5		5	
1/4	2,866.03	1/4	3,140.25	1/4	3,413.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,871.74	1/2	3,145.95	1/2	3,419.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,877.46	3/4	3,151.65	3/4	3,425.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,883.17	6	3,157.35	6	3,430.87	6		6		6		6		6		6		6	
1/4	2,888.88	1/4	3,163.05	1/4	3,436.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,894.60	1/2	3,168.75	1/2	3,442.28	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,900.31	3/4	3,174.45	3/4	3,447.98	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,906.02	7	3,180.15	7	3,453.68	7		7		7		7		7		7		7	
1/4	2,911.74	1/4	3,185.85	1/4	3,459.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,917.45	1/2	3,191.54	1/2	3,465.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,923.16	3/4	3,197.24	3/4	3,470.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,928.88	8	3,202.94	8	3,476.48	8		8		8		8		8		8		8	
1/4	2,934.59	1/4	3,208.64	1/4	3,482.18	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,940.30	1/2	3,214.34	1/2	3,487.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,946.02	3/4	3,220.03	3/4	3,493.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,951.73	9	3,225.73	9	3,499.28	9		9		9		9		9		9		9	
1/4	2,957.44	1/4	3,231.43	1/4	3,504.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,963.16	1/2	3,237.13	1/2	3,510.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,968.87	3/4	3,242.83	3/4	3,516.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,974.58	10	3,248.53	10	3,522.09	10		10		10		10		10		10		10	
1/4	2,980.30	1/4	3,254.22	1/4	3,527.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,986.01	1/2	3,259.92	1/2	3,533.49	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,991.72	3/4	3,265.62	3/4	3,539.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,997.44	11	3,271.32	11	3,544.89	11		11		11		11		11		11		11	
1/4	3,003.15	1/4	3,277.02	1/4	3,550.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,008.86	1/2	3,282.71	1/2	3,555.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,014.58	3/4	3,288.41	3/4	3,560.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/09/2017 SW CL  
CALCULATED: 02/10/2017 CL  
PRINTED: 02/12/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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



# BARGE "KELSO"

## 5 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-00 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	6.36	0	228.68	0	473.79	0	742.94	0	1,014.65	0	1,286.33	0	1,557.36	0	1,829.04	0	2,100.80	0	2,372.46
1/4	8.92	1/4	233.82	1/4	479.11	1/4	748.61	1/4	1,020.31	1/4	1,291.99	1/4	1,563.01	1/4	1,834.70	1/4	2,106.46	1/4	2,378.11
1/2	11.49	1/2	238.97	1/2	484.44	1/2	754.27	1/2	1,025.97	1/2	1,297.65	1/2	1,568.65	1/2	1,840.36	1/2	2,112.12	1/2	2,383.77
3/4	14.05	3/4	244.11	3/4	489.76	3/4	759.93	3/4	1,031.64	3/4	1,303.31	3/4	1,574.30	3/4	1,846.03	3/4	2,117.78	3/4	2,389.43
1	16.61	1	249.26	1	495.08	1	765.59	1	1,037.30	1	1,308.97	1	1,579.94	1	1,851.69	1	2,123.44	1	2,395.09
1/4	20.24	1/4	254.30	1/4	500.53	1/4	771.25	1/4	1,042.96	1/4	1,314.61	1/4	1,585.60	1/4	1,857.35	1/4	2,129.11	1/4	2,400.75
1/2	23.87	1/2	259.35	1/2	505.98	1/2	776.91	1/2	1,048.62	1/2	1,320.26	1/2	1,591.26	1/2	1,863.01	1/2	2,134.77	1/2	2,406.41
3/4	27.50	3/4	264.40	3/4	511.43	3/4	782.57	3/4	1,054.28	3/4	1,325.91	3/4	1,596.92	3/4	1,868.67	3/4	2,140.43	3/4	2,412.07
2	31.13	2	269.44	2	516.88	2	788.23	2	1,059.94	2	1,331.55	2	1,602.58	2	1,874.33	2	2,146.09	2	2,417.73
1/4	35.71	1/4	274.41	1/4	522.48	1/4	793.89	1/4	1,065.60	1/4	1,337.20	1/4	1,608.24	1/4	1,880.00	1/4	2,151.75	1/4	2,423.39
1/2	40.29	1/2	279.38	1/2	528.07	1/2	799.55	1/2	1,071.26	1/2	1,342.84	1/2	1,613.90	1/2	1,885.66	1/2	2,157.41	1/2	2,429.05
3/4	44.87	3/4	284.34	3/4	533.66	3/4	805.21	3/4	1,076.92	3/4	1,348.49	3/4	1,619.56	3/4	1,891.32	3/4	2,163.07	3/4	2,434.71
3	49.46	3	289.31	3	539.25	3	810.87	3	1,082.58	3	1,354.13	3	1,625.22	3	1,896.98	3	2,168.73	3	2,440.37
1/4	54.30	1/4	294.29	1/4	544.89	1/4	816.53	1/4	1,088.24	1/4	1,359.78	1/4	1,630.89	1/4	1,902.64	1/4	2,174.39	1/4	2,446.02
1/2	59.14	1/2	299.28	1/2	550.53	1/2	822.19	1/2	1,093.90	1/2	1,365.42	1/2	1,636.55	1/2	1,908.30	1/2	2,180.05	1/2	2,451.68
3/4	63.98	3/4	304.26	3/4	556.17	3/4	827.85	3/4	1,099.56	3/4	1,371.07	3/4	1,642.21	3/4	1,913.97	3/4	2,185.71	3/4	2,457.34
4	68.82	4	309.25	4	561.81	4	833.51	4	1,105.22	4	1,376.71	4	1,647.87	4	1,919.63	4	2,191.36	4	2,463.00
1/4	73.70	1/4	314.27	1/4	567.47	1/4	839.17	1/4	1,110.88	1/4	1,382.36	1/4	1,653.53	1/4	1,925.29	1/4	2,197.02	1/4	2,468.66
1/2	78.59	1/2	319.28	1/2	573.13	1/2	844.84	1/2	1,116.54	1/2	1,388.00	1/2	1,659.19	1/2	1,930.95	1/2	2,202.68	1/2	2,474.32
3/4	83.47	3/4	324.30	3/4	578.79	3/4	850.50	3/4	1,122.20	3/4	1,393.65	3/4	1,664.85	3/4	1,936.61	3/4	2,208.34	3/4	2,479.98
5	88.36	5	329.32	5	584.45	5	856.16	5	1,127.87	5	1,399.29	5	1,670.52	5	1,942.27	5	2,214.00	5	2,485.64
1/4	93.27	1/4	334.37	1/4	590.11	1/4	861.82	1/4	1,133.53	1/4	1,404.94	1/4	1,676.18	1/4	1,947.93	1/4	2,219.66	1/4	2,491.30
1/2	98.18	1/2	339.42	1/2	595.77	1/2	867.48	1/2	1,139.19	1/2	1,410.59	1/2	1,681.84	1/2	1,953.60	1/2	2,225.32	1/2	2,496.96
3/4	103.10	3/4	344.48	3/4	601.43	3/4	873.14	3/4	1,144.85	3/4	1,416.23	3/4	1,687.50	3/4	1,959.26	3/4	2,230.98	3/4	2,502.62
6	108.01	6	349.53	6	607.09	6	878.80	6	1,150.51	6	1,421.88	6	1,693.16	6	1,964.92	6	2,236.64	6	2,508.27
1/4	112.95	1/4	354.61	1/4	612.75	1/4	884.46	1/4	1,156.17	1/4	1,427.52	1/4	1,698.82	1/4	1,970.58	1/4	2,242.30	1/4	2,513.93
1/2	117.90	1/2	359.70	1/2	618.41	1/2	890.12	1/2	1,161.83	1/2	1,433.17	1/2	1,704.49	1/2	1,976.24	1/2	2,247.96	1/2	2,519.59
3/4	122.84	3/4	364.79	3/4	624.07	3/4	895.78	3/4	1,167.49	3/4	1,438.81	3/4	1,710.15	3/4	1,981.90	3/4	2,253.61	3/4	2,525.25
7	127.79	7	369.87	7	629.73	7	901.44	7	1,173.15	7	1,444.46	7	1,715.81	7	1,987.57	7	2,259.27	7	2,530.91
1/4	132.77	1/4	374.99	1/4	635.39	1/4	907.10	1/4	1,178.81	1/4	1,450.10	1/4	1,721.47	1/4	1,993.23	1/4	2,264.93	1/4	2,536.57
1/2	137.75	1/2	380.11	1/2	641.05	1/2	912.76	1/2	1,184.47	1/2	1,455.75	1/2	1,727.13	1/2	1,998.89	1/2	2,270.59	1/2	2,542.23
3/4	142.72	3/4	385.23	3/4	646.71	3/4	918.42	3/4	1,190.13	3/4	1,461.39	3/4	1,732.79	3/4	2,004.55	3/4	2,276.25	3/4	2,547.89
8	147.70	8	390.35	8	652.38	8	924.08	8	1,195.79	8	1,467.04	8	1,738.46	8	2,010.21	8	2,281.91	8	2,553.55
1/4	152.71	1/4	395.50	1/4	658.04	1/4	929.74	1/4	1,201.45	1/4	1,472.68	1/4	1,744.12	1/4	2,015.87	1/4	2,287.57	1/4	2,559.21
1/2	157.73	1/2	400.65	1/2	663.70	1/2	935.41	1/2	1,207.11	1/2	1,478.33	1/2	1,749.78	1/2	2,021.54	1/2	2,293.23	1/2	2,564.87
3/4	162.74	3/4	405.80	3/4	669.36	3/4	941.07	3/4	1,212.77	3/4	1,483.97	3/4	1,755.44	3/4	2,027.20	3/4	2,298.89	3/4	2,570.52
9	167.75	9	410.96	9	675.02	9	946.73	9	1,218.43	9	1,489.62	9	1,761.10	9	2,032.86	9	2,304.55	9	2,576.18
1/4	172.79	1/4	416.15	1/4	680.68	1/4	952.39	1/4	1,224.09	1/4	1,495.26	1/4	1,766.76	1/4	2,038.52	1/4	2,310.21	1/4	2,581.84
1/2	177.84	1/2	421.34	1/2	686.34	1/2	958.05	1/2	1,229.75	1/2	1,500.91	1/2	1,772.43	1/2	2,044.18	1/2	2,315.86	1/2	2,587.50
3/4	182.88	3/4	426.54	3/4	692.00	3/4	963.71	3/4	1,235.41	3/4	1,506.55	3/4	1,778.09	3/4	2,049.84	3/4	2,321.52	3/4	2,593.16
10	187.93	10	431.73	10	697.66	10	969.37	10	1,241.07	10	1,512.20	10	1,783.75	10	2,055.51	10	2,327.18	10	2,598.82
1/4	193.01	1/4	436.96	1/4	703.32	1/4	975.03	1/4	1,246.72	1/4	1,517.84	1/4	1,789.41	1/4	2,061.17	1/4	2,332.84	1/4	2,604.48
1/2	198.08	1/2	442.19	1/2	708.98	1/2	980.69	1/2	1,252.38	1/2	1,523.49	1/2	1,795.07	1/2	2,066.83	1/2	2,338.50	1/2	2,610.14
3/4	203.16	3/4	447.42	3/4	714.64	3/4	986.35	3/4	1,258.04	3/4	1,529.13	3/4	1,800.73	3/4	2,072.49	3/4	2,344.16	3/4	2,615.80
11	208.24	11	452.65	11	720.30	11	992.01	11	1,263.70	11	1,534.78	11	1,806.39	11	2,078.15	11	2,349.82	11	2,621.46
1/4	213.35	1/4	457.93	1/4	725.96	1/4	997.67	1/4	1,269.36	1/4	1,540.42	1/4	1,812.06	1/4	2,083.81	1/4	2,355.48	1/4	2,627.12
1/2	218.46	1/2	463.22	1/2	731.62	1/2	1,003.33	1/2	1,275.02	1/2	1,546.07	1/2	1,817.72	1/2	2,089.47	1/2	2,361.14	1/2	2,632.77
3/4	223.57	3/4	468.50	3/4	737.28	3/4	1,008.99	3/4	1,280.67	3/4	1,551.72	3/4	1,823.38	3/4	2,095.14	3/4	2,366.80	3/4	2,638.43

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KELSO"

## 5 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-00 3/4"

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	2,644.09	0	2,915.73	0	3,186.94	0	3,456.03	0		0		0		0		0		0	
1/4	2,649.75	1/4	2,921.39	1/4	3,192.59	1/4	3,460.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,655.41	1/2	2,927.05	1/2	3,198.23	1/2	3,465.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,661.07	3/4	2,932.71	3/4	3,203.88	3/4	3,469.93	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,666.73	1	2,938.37	1	3,209.52	1	3,474.56	1		1		1		1		1		1	
1/4	2,672.39	1/4	2,944.02	1/4	3,215.16	1/4	3,478.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,678.05	1/2	2,949.68	1/2	3,220.81	1/2	3,482.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,683.71	3/4	2,955.34	3/4	3,226.45	3/4	3,486.84	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,689.37	2	2,961.00	2	3,232.10	2	3,490.93	2		2		2		2		2		2	
1/4	2,695.02	1/4	2,966.66	1/4	3,237.74	1/4	3,494.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,700.68	1/2	2,972.32	1/2	3,243.38	1/2	3,498.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,706.34	3/4	2,977.98	3/4	3,249.03	3/4	3,501.59	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,712.00	3	2,983.64	3	3,254.67	3	3,505.14	3		3		3		3		3		3	
1/4	2,717.66	1/4	2,989.30	1/4	3,260.32	1/4	3,508.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,723.32	1/2	2,994.96	1/2	3,265.96	1/2	3,511.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,728.98	3/4	3,000.62	3/4	3,271.60	3/4	3,514.17	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,734.64	4	3,006.28	4	3,277.25	4		4		4		4		4		4		4	
1/4	2,740.30	1/4	3,011.93	1/4	3,282.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,745.96	1/2	3,017.59	1/2	3,288.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,751.62	3/4	3,023.25	3/4	3,294.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,757.27	5	3,028.91	5	3,299.82	5		5		5		5		5		5		5	
1/4	2,762.93	1/4	3,034.56	1/4	3,305.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,768.59	1/2	3,040.20	1/2	3,311.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,774.25	3/4	3,045.85	3/4	3,316.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,779.91	6	3,051.49	6	3,322.41	6		6		6		6		6		6		6	
1/4	2,785.57	1/4	3,057.13	1/4	3,328.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,791.23	1/2	3,062.78	1/2	3,333.70	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,796.89	3/4	3,068.42	3/4	3,339.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,802.55	7	3,074.07	7	3,344.99	7		7		7		7		7		7		7	
1/4	2,808.21	1/4	3,079.71	1/4	3,350.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,813.87	1/2	3,085.35	1/2	3,356.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,819.52	3/4	3,091.00	3/4	3,361.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,825.18	8	3,096.64	8	3,367.58	8		8		8		8		8		8		8	
1/4	2,830.84	1/4	3,102.29	1/4	3,373.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,836.50	1/2	3,107.93	1/2	3,378.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,842.16	3/4	3,113.57	3/4	3,384.52	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,847.82	9	3,119.22	9	3,390.17	9		9		9		9		9		9		9	
1/4	2,853.48	1/4	3,124.86	1/4	3,395.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,859.14	1/2	3,130.51	1/2	3,401.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,864.80	3/4	3,136.15	3/4	3,407.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,870.46	10	3,141.79	10	3,412.75	10		10		10		10		10		10		10	
1/4	2,876.12	1/4	3,147.44	1/4	3,418.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,881.77	1/2	3,153.08	1/2	3,424.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,887.43	3/4	3,158.73	3/4	3,429.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,893.09	11	3,164.37	11	3,435.34	11		11		11		11		11		11		11	
1/4	2,898.75	1/4	3,170.01	1/4	3,440.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,904.41	1/2	3,175.66	1/2	3,445.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,910.07	3/4	3,181.30	3/4	3,450.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/09/2017 SW CL  
CALCULATED: 02/10/2017 CL  
PRINTED: 02/12/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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



# BARGE "KELSO"

## 5 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	6.37	0	228.84	0	483.54	0	754.18	0	1,026.05	0	1,297.92	0	1,569.21	0	1,841.17	0	2,113.19	0	2,385.12
1/4	8.94	1/4	233.99	1/4	489.07	1/4	759.85	1/4	1,031.71	1/4	1,303.58	1/4	1,574.86	1/4	1,846.83	1/4	2,118.86	1/4	2,390.78
1/2	11.50	1/2	239.13	1/2	494.60	1/2	765.11	1/2	1,037.38	1/2	1,309.25	1/2	1,580.51	1/2	1,852.50	1/2	2,124.53	1/2	2,396.45
3/4	14.07	3/4	244.28	3/4	500.13	3/4	771.18	3/4	1,043.04	3/4	1,314.91	3/4	1,586.16	3/4	1,858.17	3/4	2,130.19	3/4	2,402.11
1	16.63	1	249.43	1	505.66	1	776.84	1	1,048.71	1	1,320.57	1	1,591.81	1	1,863.83	1	2,135.86	1	2,407.78
1/4	20.26	1/4	254.59	1/4	511.23	1/4	782.50	1/4	1,054.37	1/4	1,326.23	1/4	1,597.48	1/4	1,869.50	1/4	2,141.53	1/4	2,413.44
1/2	23.89	1/2	259.75	1/2	516.80	1/2	788.17	1/2	1,060.03	1/2	1,331.88	1/2	1,603.15	1/2	1,875.17	1/2	2,147.19	1/2	2,419.11
3/4	27.52	3/4	264.91	3/4	522.37	3/4	793.83	3/4	1,065.70	3/4	1,337.53	3/4	1,608.81	3/4	1,880.84	3/4	2,152.86	3/4	2,424.77
2	31.16	2	270.07	2	527.94	2	799.50	2	1,071.36	2	1,343.18	2	1,614.48	2	1,886.50	2	2,158.53	2	2,430.43
1/4	35.74	1/4	275.25	1/4	533.55	1/4	805.16	1/4	1,077.03	1/4	1,348.83	1/4	1,620.14	1/4	1,892.17	1/4	2,164.19	1/4	2,436.10
1/2	40.33	1/2	280.43	1/2	539.16	1/2	810.82	1/2	1,082.69	1/2	1,354.48	1/2	1,625.81	1/2	1,897.84	1/2	2,169.86	1/2	2,441.76
3/4	44.91	3/4	285.62	3/4	544.77	3/4	816.49	3/4	1,088.35	3/4	1,360.14	3/4	1,631.48	3/4	1,903.50	3/4	2,175.52	3/4	2,447.43
3	49.50	3	290.80	3	550.37	3	822.15	3	1,094.02	3	1,365.79	3	1,637.15	3	1,909.17	3	2,181.19	3	2,453.09
1/4	54.34	1/4	296.02	1/4	556.02	1/4	827.81	1/4	1,099.68	1/4	1,371.44	1/4	1,642.81	1/4	1,914.84	1/4	2,186.85	1/4	2,458.76
1/2	59.18	1/2	301.24	1/2	561.66	1/2	833.48	1/2	1,105.35	1/2	1,377.09	1/2	1,648.48	1/2	1,920.51	1/2	2,192.52	1/2	2,464.42
3/4	64.03	3/4	306.45	3/4	567.30	3/4	839.14	3/4	1,111.01	3/4	1,382.74	3/4	1,654.15	3/4	1,926.17	3/4	2,198.18	3/4	2,470.09
4	68.87	4	311.67	4	572.95	4	844.81	4	1,116.67	4	1,388.39	4	1,659.81	4	1,931.84	4	2,203.85	4	2,475.75
1/4	73.76	1/4	316.92	1/4	578.61	1/4	850.47	1/4	1,122.34	1/4	1,394.04	1/4	1,665.48	1/4	1,937.51	1/4	2,209.51	1/4	2,481.42
1/2	78.65	1/2	322.17	1/2	584.27	1/2	856.13	1/2	1,128.00	1/2	1,399.69	1/2	1,671.15	1/2	1,943.17	1/2	2,215.18	1/2	2,487.08
3/4	83.54	3/4	327.42	3/4	589.93	3/4	861.80	3/4	1,133.67	3/4	1,405.34	3/4	1,676.82	3/4	1,948.84	3/4	2,220.84	3/4	2,492.75
5	88.43	5	332.67	5	595.59	5	867.46	5	1,139.33	5	1,410.99	5	1,682.48	5	1,954.51	5	2,226.51	5	2,498.41
1/4	93.34	1/4	337.95	1/4	601.26	1/4	873.13	1/4	1,144.99	1/4	1,416.64	1/4	1,688.15	1/4	1,960.18	1/4	2,232.17	1/4	2,504.08
1/2	98.26	1/2	343.23	1/2	606.92	1/2	878.79	1/2	1,150.66	1/2	1,422.29	1/2	1,693.82	1/2	1,965.84	1/2	2,237.84	1/2	2,509.74
3/4	103.17	3/4	348.52	3/4	612.59	3/4	884.45	3/4	1,156.32	3/4	1,427.94	3/4	1,699.49	3/4	1,971.51	3/4	2,243.50	3/4	2,515.41
6	108.09	6	353.80	6	618.25	6	890.12	6	1,161.98	6	1,433.59	6	1,705.15	6	1,977.18	6	2,249.16	6	2,521.07
1/4	113.04	1/4	359.12	1/4	623.91	1/4	895.78	1/4	1,167.65	1/4	1,439.25	1/4	1,710.82	1/4	1,982.85	1/4	2,254.83	1/4	2,526.73
1/2	117.99	1/2	364.44	1/2	629.58	1/2	901.45	1/2	1,173.31	1/2	1,444.90	1/2	1,716.49	1/2	1,988.51	1/2	2,260.49	1/2	2,532.40
3/4	122.93	3/4	369.75	3/4	635.24	3/4	907.11	3/4	1,178.98	3/4	1,450.55	3/4	1,722.15	3/4	1,994.18	3/4	2,266.16	3/4	2,538.06
7	127.88	7	375.07	7	640.91	7	912.77	7	1,184.64	7	1,456.20	7	1,727.82	7	1,999.85	7	2,271.82	7	2,543.73
1/4	132.86	1/4	380.42	1/4	646.57	1/4	918.44	1/4	1,190.30	1/4	1,461.85	1/4	1,733.49	1/4	2,005.51	1/4	2,277.49	1/4	2,549.39
1/2	137.85	1/2	385.77	1/2	652.23	1/2	924.10	1/2	1,195.97	1/2	1,467.50	1/2	1,739.16	1/2	2,011.18	1/2	2,283.15	1/2	2,555.06
3/4	142.83	3/4	391.12	3/4	657.90	3/4	929.76	3/4	1,201.63	3/4	1,473.15	3/4	1,744.82	3/4	2,016.85	3/4	2,288.82	3/4	2,560.72
8	147.81	8	396.47	8	663.56	8	935.43	8	1,207.30	8	1,478.80	8	1,750.49	8	2,022.52	8	2,294.48	8	2,566.39
1/4	152.82	1/4	401.85	1/4	669.23	1/4	941.09	1/4	1,212.96	1/4	1,484.45	1/4	1,756.16	1/4	2,028.18	1/4	2,300.15	1/4	2,572.05
1/2	157.84	1/2	407.24	1/2	674.89	1/2	946.76	1/2	1,218.62	1/2	1,490.10	1/2	1,761.82	1/2	2,033.85	1/2	2,305.81	1/2	2,577.72
3/4	162.85	3/4	412.62	3/4	680.55	3/4	952.42	3/4	1,224.29	3/4	1,495.75	3/4	1,767.49	3/4	2,039.52	3/4	2,311.48	3/4	2,583.38
9	167.87	9	418.00	9	686.22	9	958.08	9	1,229.95	9	1,501.40	9	1,773.16	9	2,045.18	9	2,317.14	9	2,589.05
1/4	172.92	1/4	423.43	1/4	691.88	1/4	963.75	1/4	1,235.62	1/4	1,507.05	1/4	1,778.83	1/4	2,050.85	1/4	2,322.81	1/4	2,594.71
1/2	177.96	1/2	428.85	1/2	697.54	1/2	969.41	1/2	1,241.28	1/2	1,512.70	1/2	1,784.49	1/2	2,056.52	1/2	2,328.47	1/2	2,600.38
3/4	183.01	3/4	434.28	3/4	703.21	3/4	975.08	3/4	1,246.94	3/4	1,518.36	3/4	1,790.16	3/4	2,062.19	3/4	2,334.14	3/4	2,606.04
10	188.06	10	439.71	10	708.87	10	980.74	10	1,252.61	10	1,524.01	10	1,795.83	10	2,067.85	10	2,339.80	10	2,611.71
1/4	193.14	1/4	445.16	1/4	714.54	1/4	986.40	1/4	1,258.27	1/4	1,529.66	1/4	1,801.49	1/4	2,073.52	1/4	2,345.46	1/4	2,617.37
1/2	198.22	1/2	450.62	1/2	720.20	1/2	992.07	1/2	1,263.93	1/2	1,535.31	1/2	1,807.16	1/2	2,079.19	1/2	2,351.13	1/2	2,623.03
3/4	203.30	3/4	456.08	3/4	725.86	3/4	997.73	3/4	1,269.60	3/4	1,540.96	3/4	1,812.83	3/4	2,084.85	3/4	2,356.79	3/4	2,628.70
11	208.38	11	461.54	11	731.53	11	1,003.40	11	1,275.26	11	1,546.61	11	1,818.50	11	2,090.52	11	2,362.46	11	2,634.36
1/4	213.50	1/4	467.04	1/4	737.19	1/4	1,009.06	1/4	1,280.93	1/4	1,552.26	1/4	1,824.16	1/4	2,096.19	1/4	2,368.12	1/4	2,640.03
1/2	218.61	1/2	472.54	1/2	742.86	1/2	1,014.72	1/2	1,286.59	1/2	1,557.91	1/2	1,829.83	1/2	2,101.86	1/2	2,373.79	1/2	2,645.69
3/4	223.73	3/4	478.04	3/4	748.52	3/4	1,020.39	3/4	1,292.25	3/4	1,563.56	3/4	1,835.50	3/4	2,107.52	3/4	2,379.45	3/4	2,651.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "KELSO"

## 5 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01"

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	2,657.02	0	2,928.93	0	3,200.41	0	3,469.76	0		0		0		0		0		0	
1/4	2,662.69	1/4	2,934.59	1/4	3,206.06	1/4	3,474.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,668.35	1/2	2,940.26	1/2	3,211.71	1/2	3,479.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,674.02	3/4	2,945.92	3/4	3,217.36	3/4	3,483.68	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,679.68	1	2,951.59	1	3,223.01	1	3,488.31	1		1		1		1		1		1	
1/4	2,685.35	1/4	2,957.25	1/4	3,228.66	1/4	3,492.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,691.01	1/2	2,962.92	1/2	3,234.31	1/2	3,496.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,696.68	3/4	2,968.58	3/4	3,239.96	3/4	3,500.61	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,702.34	2	2,974.25	2	3,245.61	2	3,504.70	2		2		2		2		2		2	
1/4	2,708.01	1/4	2,979.91	1/4	3,251.26	1/4	3,508.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,713.67	1/2	2,985.58	1/2	3,256.91	1/2	3,511.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,719.33	3/4	2,991.24	3/4	3,262.56	3/4	3,515.37	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,725.00	3	2,996.90	3	3,268.21	3	3,518.93	3		3		3		3		3		3	
1/4	2,730.66	1/4	3,002.57	1/4	3,273.86	1/4	3,521.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,736.33	1/2	3,008.23	1/2	3,279.51	1/2	3,524.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,741.99	3/4	3,013.90	3/4	3,285.15	3/4	3,527.98	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,747.66	4	3,019.56	4	3,290.80	4		4		4		4		4		4		4	
1/4	2,753.32	1/4	3,025.23	1/4	3,296.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,758.99	1/2	3,030.89	1/2	3,302.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,764.65	3/4	3,036.56	3/4	3,307.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,770.32	5	3,042.22	5	3,313.40	5		5		5		5		5		5		5	
1/4	2,775.98	1/4	3,047.87	1/4	3,319.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,781.65	1/2	3,053.52	1/2	3,324.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,787.31	3/4	3,059.17	3/4	3,330.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,792.98	6	3,064.82	6	3,336.01	6		6		6		6		6		6		6	
1/4	2,798.64	1/4	3,070.47	1/4	3,341.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,804.31	1/2	3,076.12	1/2	3,347.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,809.97	3/4	3,081.77	3/4	3,352.97	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,815.63	7	3,087.42	7	3,358.62	7		7		7		7		7		7		7	
1/4	2,821.30	1/4	3,093.07	1/4	3,364.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,826.96	1/2	3,098.72	1/2	3,369.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,832.63	3/4	3,104.37	3/4	3,375.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,838.29	8	3,110.02	8	3,381.23	8		8		8		8		8		8		8	
1/4	2,843.96	1/4	3,115.67	1/4	3,386.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,849.62	1/2	3,121.32	1/2	3,392.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,855.29	3/4	3,126.97	3/4	3,398.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,860.95	9	3,132.62	9	3,403.84	9		9		9		9		9		9		9	
1/4	2,866.62	1/4	3,138.27	1/4	3,409.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,872.28	1/2	3,143.92	1/2	3,415.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,877.95	3/4	3,149.57	3/4	3,420.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,883.61	10	3,155.22	10	3,426.44	10		10		10		10		10		10		10	
1/4	2,889.28	1/4	3,160.87	1/4	3,432.10	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,894.94	1/2	3,166.52	1/2	3,437.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,900.61	3/4	3,172.16	3/4	3,443.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,906.27	11	3,177.81	11	3,449.05	11		11		11		11		11		11		11	
1/4	2,911.93	1/4	3,183.46	1/4	3,454.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,917.60	1/2	3,189.11	1/2	3,459.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,923.26	3/4	3,194.76	3/4	3,464.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/09/2017 SW CL  
CALCULATED: 02/10/2017 CL  
PRINTED: 02/12/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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