

INNAGE TRIM TABLE

	1 FT.		2 FT.		3	FT.	4	FT.	5	FT.	6 FT.		
	BOW	<u>STERN</u>											
1 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	
2 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00" AFT DRAFT = 4'-00"

DIFF. = 2'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 162'-09"

April 4, 2014

PRECISION MEASUREMENT & ANALYSIS, INC. P.O. Box 2092

P.O. Box 2092 Pearland, Texas 77588

http://www.pmacorp.net



1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-10"

No	CAPACIT	TES GIVEN IN BAF	RELS O	F 42 U.S. GALLONS	i													GAUGE F	IEIGH	
March Marc	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.
1. 1. 1. 1. 1. 1. 1. 1.	0	2.01	0	221.86	0	464.60	0	709.99	0	957.02	0	1,204.05	0	1,451.08	0	1,697.95	0	1,945.00	0	2,192.06
1. 1. 1. 1. 1. 1. 1. 1.	1/4	3.30	1/4	227.02	1/4	469.58	1/4	715.13	1/4	962.16	1/4	1.209.19	1/4	1.456.23	1/4	1.703.09	1/4	1.950.15	1/4	2.197.20
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3	1/2	28.17	1/2	273.48	1/2	514.59	1/2	761.45	1/2	1,008.48	1/2	1,255.51	1/2	1,502.55	1/2	1,749.36	1/2	1,996.49	1/2	2,243.52
142 9	3/4	32.65	3/4	278.64	3/4	519.64	3/4	766.60	3/4	1,013.63	3/4	1,260.66	3/4	1,507.69	3/4	1,754.50	3/4	2,001.64	3/4	2,248.67
	3	37.13	3	283.80	3	524.68	3	771.74	3	1,018.77	3	1,265.81	3	1,512.84	3	1,759.64	3	2,006.79	3	2,253.82
54.2 23.4 299.29 34 540.15 34 787.18 34 1,034.21 34 1,286.39 4 1,533.42 34 1,775.09 34 2,022.33 34 2,029.61 14 62.48 14 309.57 18 555.60 34 797.38 18 1,044.51 18 1,533.42 1 1,785.99 18 2,027.38 18 2,274.91 18 2,274.91 18 2,274.91 18 2,274.91 18 2,274.91 18 2,279.56 19 1,045.91 18 1,296.99 19 1,543.71 18 1,785.99 18 2,027.58 18 2,229.95 18 1,268.99 18 1,543.81 18 1,795.68 34 2,027.58 18 2,229.50 2,229.50 1,327.12 18 1,548.86 34 1,795.68 34 2,027.58 18 2,229.50 1,327.12 18 1,548.86 34 1,795.68 34 3,205.13 34 3,333.95	1/4	42.19	1/4	288.96	1/4	529.84	1/4	776.89	1/4	1,023.92	1/4	1,270.95	1/4	1,517.98	1/4	1,764.79	1/4	2,011.94	1/4	2,258.97
Total Tota	1/2	47.26	1/2	294.12	1/2	534.99	1/2	782.04	1/2	1,029.07	1/2	1,276.10	1/2	1,523.13	1/2	1,769.94	1/2	2,017.08	1/2	2,264.12
	3/4	52.32	3/4	299.29	3/4	540.15	3/4	787.18	3/4	1,034.21	3/4	1,281.25	3/4	1,528.28	3/4	1,775.09	3/4	2,022.23	3/4	2,269.26
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1/4 1/4 389.82 1/4 632.79 1/4 879.82 1/4 1,126.85 1/4 1,373.88 1/4 1,620.83 1/4 1,867.77 1/4 2,114.89 1/4 2,361.93 1/2 149.77 1/2 394.80 1/2 637.94 1/2 884.97 1/2 1,379.03 1/2 1,625.97 1/2 1,872.92 1/2 2,120.03 1/2 2,367.08 3/4 154.90 3/4 399.79 3/4 643.08 3/4 890.11 3/4 1,137.14 3/4 1,384.18 3/4 1,631.11 3/4 1,878.07 3/4 2,125.18 3/4 2,372.22 9 160.02 9 404.77 9 648.23 9 895.26 9 1,142.29 9 1,636.25 9 1,883.21 9 2,130.32 9 2,377.37 1/2 170.29 1/2 414.74 1/2 658.52 1/2 905.55 1/2 1,152.58 1/2	-		-		-		-		_	-	-	•	-		-		-	•		
11/2 149.77 1/2 394.80 1/2 637.94 1/2 884.97 1/2 1,379.03 1/2 1,625.97 1/2 1,872.92 1/2 2,120.03 1/2 2,367.08 3/4 154.90 3/4 399.79 3/4 643.08 3/4 890.11 3/4 1,371.14 3/4 1,384.18 3/4 1,631.11 3/4 1,878.07 3/4 2,125.18 3/4 2,377.22 9 160.02 9 404.77 9 648.23 9 895.26 9 1,142.29 9 1,389.32 9 1,636.25 9 1,883.21 9 2,130.32 9 2,377.37 1/4 165.16 1/4 409.76 1/4 653.38 1/4 900.40 1/4 1,147.44 1/4 1,641.40 1/4 1,888.36 1/4 2,135.17 1/4 2,387.67 1/2 170.29 1/2 414.74 1/2 658.52 1/2 905.55 1/2 1,152.58 <td>—</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>\vdash</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>+</td> <td></td> <td>+-+</td> <td></td> <td>+</td> <td></td>	—		-		-		-		\vdash		-				+		+-+		+	
3/4 154.90 3/4 399.79 3/4 643.08 3/4 890.11 3/4 1,137.14 3/4 1,384.18 3/4 1,631.11 3/4 1,678.07 3/4 2,125.18 3/4 2,372.22 9 160.02 9 404.77 9 648.23 9 895.26 9 1,142.29 9 1,389.32 9 1,636.25 9 1,883.21 9 2,130.32 9 2,377.37 1/4 165.16 1/4 409.76 1/4 653.38 1/4 900.40 1/4 1,147.44 1/4 1,394.47 1/4 1,641.40 1/4 1,888.36 1/4 2,135.47 1/4 2,382.52 1/2 170.29 1/2 414.74 1/2 658.52 1/2 905.55 1/2 1,152.58 1/2 1,399.62 1/2 1,646.54 1/2 1,883.51 1/2 2,140.61 1/2 2,387.67 3/4 175.43 3/4 419.73 3/4 663.67 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>+ +</td> <td></td> <td>,</td>							+ +													,
9			-		_														+	
1/4 165.16 1/4 409.76 1/4 653.38 1/4 900.40 1/4 1,47.44 1/4 1,394.47 1/4 1,641.40 1/4 1,888.36 1/4 2,135.47 1/4 2,382.52 1/2 170.29 1/2 414.74 1/2 658.52 1/2 905.55 1/2 1,152.58 1/2 1,399.62 1/2 1,646.54 1/2 1,893.51 1/2 2,140.61 1/2 2,387.67 3/4 175.43 3/4 419.73 3/4 663.67 3/4 910.70 3/4 1,404.76 3/4 1,651.68 3/4 1,898.66 3/4 2,145.75 3/4 2,392.82 10 180.56 10 424.71 10 668.82 10 915.84 10 1,409.91 10 1,656.82 10 1,903.81 10 2,150.90 10 2,397.96 1/4 185.73 1/4 429.70 1/4 673.96 1/4 920.99 1/4 1,	-		_		_		_		_		_	,	_		_	•		,		
1/12 170.29 1/2 414.74 1/2 658.52 1/2 905.55 1/2 1,152.58 1/2 1,399.62 1/2 1,646.54 1/2 1,893.51 1/2 2,140.61 1/2 2,387.67 3/4 175.43 3/4 419.73 3/4 663.67 3/4 910.70 3/4 1,404.76 3/4 1,651.68 3/4 1,898.66 3/4 2,145.75 3/4 2,392.82 10 180.56 10 424.71 10 668.82 10 915.84 10 1,409.91 10 1,656.82 10 1,903.81 10 2,150.90 10 2,397.96 1/4 185.73 1/4 429.70 1/4 673.96 1/4 920.99 1/4 1,168.02 1/4 1,415.05 1/4 1,661.96 1/4 1,908.96 1/4 2,156.04 1/4 2,403.11 1/2 190.89 1/2 434.68 1/2 679.11 1/2 926.14 1/2	_												_				-			
3/4 175.43 3/4 419.73 3/4 663.67 3/4 910.70 3/4 1,157.73 3/4 1,404.76 3/4 1,651.68 3/4 1,898.66 3/4 2,145.75 3/4 2,392.82 10 180.56 10 424.71 10 668.82 10 915.84 10 1,409.91 10 1,656.82 10 1,903.81 10 2,150.90 10 2,397.96 1/4 185.73 1/4 429.70 1/4 673.96 1/4 920.99 1/4 1,168.02 1/4 1,415.05 1/4 1,661.96 1/4 1,908.96 1/4 2,156.04 1/4 2,403.11 1/2 190.89 1/2 434.68 1/2 679.11 1/2 926.14 1/2 1,731.77 1/2 1,420.20 1/2 1,667.10 1/2 1,914.11 1/2 2,161.19 1/2 2,408.26 3/4 196.05 3/4 439.62 3/4 1,178.32 3/4 <									-		_				+					,
10 180.56 10 424.71 10 668.82 10 915.84 10 1,162.88 10 1,409.91 10 1,656.82 10 1,903.81 10 2,150.90 10 2,397.96 1/4 185.73 1/4 429.70 1/4 673.96 1/4 920.99 1/4 1,168.02 1/4 1,415.05 1/4 1,661.96 1/4 1,908.96 1/4 2,156.04 1/4 2,403.11 1/2 190.89 1/2 434.68 1/2 679.11 1/2 926.14 1/2 1,173.17 1/2 1,420.20 1/2 1,667.10 1/2 1,914.11 1/2 2,161.19 1/2 2,408.26 3/4 196.05 3/4 439.67 3/4 684.26 3/4 931.28 3/4 1,178.32 3/4 1,425.35 3/4 1,672.24 3/4 1,919.26 3/4 2,166.33 3/4 2,413.41 11 201.21 11 444.65 11 6																				
1/4 185.73 1/4 429.70 1/4 673.96 1/4 920.99 1/4 1,168.02 1/4 1,415.05 1/4 1,661.96 1/4 1,908.96 1/4 2,156.04 1/4 2,403.11 1/2 190.89 1/2 434.68 1/2 679.11 1/2 926.14 1/2 1,173.17 1/2 1,420.20 1/2 1,667.10 1/2 1,914.11 1/2 2,161.19 1/2 2,408.26 3/4 196.05 3/4 439.67 3/4 684.26 3/4 931.28 3/4 1,178.32 3/4 1,425.35 3/4 1,672.24 3/4 1,919.26 3/4 2,166.33 3/4 2,413.41 11 201.21 11 444.65 11 689.40 11 1,183.46 11 1,430.49 11 1,677.38 11 1,924.40 11 2,171.48 11 2,413.56 1/4 206.37 1/4 449.64 1/4 694.55 1/4 <	_						_				_				_					
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3/4 196.05 3/4 439.67 3/4 684.26 3/4 931.28 3/4 1,178.32 3/4 1,425.35 3/4 1,672.24 3/4 1,919.26 3/4 2,166.33 3/4 2,413.41 11 201.21 11 444.65 11 689.40 11 936.43 11 1,183.46 11 1,430.49 11 1,677.38 11 1,924.40 11 2,171.48 11 2,418.56 1/4 206.37 1/4 449.64 1/4 694.55 1/4 941.58 1/4 1,188.61 1/4 1,435.64 1/4 1,682.52 1/4 1,929.55 1/4 2,176.62 1/4 2,423.70 1/2 211.54 1/2 454.63 1/2 699.69 1/2 946.72 1/2 1,193.76 1/2 1,440.79 1/2 1,687.66 1/2 1,934.70 1/2 2,181.77 1/2 2,428.85					-				_								_			
11 201.21 11 444.65 11 689.40 11 936.43 11 1,183.46 11 1,430.49 11 1,677.38 11 1,924.40 11 2,171.48 11 2,418.56 1/4 206.37 1/4 449.64 1/4 694.55 1/4 941.58 1/4 1,188.61 1/4 1,435.64 1/4 1,682.52 1/4 1,929.55 1/4 2,176.62 1/4 2,423.70 1/2 211.54 1/2 454.63 1/2 699.69 1/2 946.72 1/2 1,193.76 1/2 1,440.79 1/2 1,687.66 1/2 1,934.70 1/2 2,181.77 1/2 2,428.85			-		_										_					•
1/4 206.37 1/4 449.64 1/4 694.55 1/4 941.58 1/4 1,188.61 1/4 1,435.64 1/4 1,682.52 1/4 1,929.55 1/4 2,176.62 1/4 2,423.70 1/2 211.54 1/2 454.63 1/2 699.69 1/2 946.72 1/2 1,193.76 1/2 1,440.79 1/2 1,687.66 1/2 1,934.70 1/2 2,181.77 1/2 2,428.85	-		_		_		_		_		_				_		_			,
1/2 211.54 1/2 454.63 1/2 699.69 1/2 946.72 1/2 1,193.76 1/2 1,440.79 1/2 1,687.66 1/2 1,934.70 1/2 2,181.77 1/2 2,428.85	11		11		11		11		11		11		11		11		11		11	
	1/4		1/4		1/4		1/4		1/4	1,188.61	1/4	· ·	1/4	· ·	1/4		1/4	2,176.62	1/4	
34 216.70 34 459.61 34 704.84 34 951.87 34 1,198.90 34 1,445.93 34 1,692.80 34 1,939.85 34 2,186.91 34 2,434.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
	3/4	216.70	3/4	459.61	3/4	704.84	3/4	951.87	3/4	1,198.90	3/4	1,445.93	3/4	1,692.80	3/4	1,939.85	3/4	2,186.91	3/4	2,434.00

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 ENLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-10"

CAPACI		RELSO	F 42 U.S. GALLONS														GAUGE HE	EIGHT	
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	2,439.15	0	2,683.53	0	2,899.03	0	3,114.53	0	3,330.03	0		0		0		0		0	
1/4	2,444.30	1/4	2,688.02	1/4	2,903.52	1/4	3,119.02	1/4	3,334.52	1/4		1/4		1/4		1/4		1/4	
1/2	2,449.45	1/2	2,692.51	1/2	2,908.01	1/2	3,123.51	1/2	3,339.01	1/2		1/2		1/2		1/2		1/2	
3/4	2,454.60	3/4	2,697.00	3/4	2,912.50	3/4	3,128.00	3/4	3,343.50	3/4		3/4		3/4		3/4		3/4	-
1	2,459.76	1	2,701.49	1	2,916.99	1	3,132.49	1	3,347.99	1		1		1		1		1	
-	2,464.92	1/4	2,705.98	1/4	2,921.48	1/4	3,136.98	1/4	3,352.48	1/4		1/4		1/4		1/4	-	1/4	
1/4	2,470.08	1/2	2,710.47	1/2	2,925.97	1/2	3,141.47	1/2	3,356.97	1/2		1/2		1/2		1/2		1/2	
1/2	2,475.24	3/4	2,714.96	3/4	2,930.46	3/4	3,145.96	3/4	3,361.46	3/4		3/4		3/4		3/4	-	3/4	
3/4	2,480.41	2	2,719.45	2	2,934.95	2	3,150.45	2	3,365.95	2		2		2		2	-	2	
-		-		-		-		-		$oldsymbol{}$		-		-		-			
1/4	2,485.57	1/4	2,723.94	1/4	2,939.44	1/4	3,154.94	1/4	3,370.44	1/4		1/4		1/4		1/4		1/4	
1/2	2,490.73	1/2	2,728.43	1/2	2,943.93	1/2	3,159.43	1/2	3,374.93	1/2		1/2		1/2		1/2		1/2	
3/4	2,495.89	3/4	2,732.92	3/4	2,948.42	3/4	3,163.92	3/4	3,379.42	3/4		3/4		3/4		3/4		3/4	
3	2,501.05	3	2,737.41	3	2,952.91	3	3,168.41	3	3,383.91	3		3		3		3		3	
1/4	2,506.22	1/4	2,741.90	1/4	2,957.40	1/4	3,172.90	1/4	3,388.40	1/4		1/4		1/4		1/4		1/4	
1/2	2,511.38	1/2	2,746.39	1/2	2,961.89	1/2	3,177.39	1/2	3,392.89	1/2		1/2		1/2		1/2		1/2	
3/4	2,516.54	3/4	2,750.88	3/4	2,966.38	3/4	3,181.88	3/4	3,397.38	3/4		3/4		3/4		3/4		3/4	
4	2,521.70	4	2,755.36	4	2,970.87	4	3,186.37	4	3,401.87	4		4		4		4		4	
1/4	2,526.87	1/4	2,759.85	1/4	2,975.36	1/4	3,190.86	1/4	3,406.36	1/4		1/4		1/4		1/4		1/4	
1/2	2,532.03	1/2	2,764.34	1/2	2,979.84	1/2	3,195.35	1/2	3,410.85	1/2		1/2		1/2		1/2		1/2	
3/4	2,537.19	3/4	2,768.83	3/4	2,984.33	3/4	3,199.84	3/4	3,415.34	3/4		3/4		3/4		3/4		3/4	
5	2,542.35	5	2,773.32	5	2,988.82	5	3,204.32	5	3,419.83	5		5		5		5		5	Į.
1/4	2,547.51	1/4	2,777.81	1/4	2,993.31	1/4	3,208.81	1/4	3,424.32	1/4		1/4		1/4		1/4		1/4	
1/2	2,552.68	1/2	2,782.30	1/2	2,997.80	1/2	3,213.30	1/2	3,428.80	1/2		1/2		1/2		1/2		1/2	-
3/4	2,557.84	3/4	2,786.79	3/4	3,002.29	3/4	3,217.79	3/4	3,433.29	3/4		3/4		3/4		3/4		3/4	-
6	2,563.00	6	2,791.28	6	3,006.78	6	3,222.28	6	3,437.78	6		6		6		6		6	-
1/4	2,568.16	1/4	2,795.77	1/4	3,011.27	1/4	3,226.77	1/4	3,441.79	1/4		1/4		1/4		1/4		1/4	-
1/2	2,573.33	1/2	2,800.26	1/2	3,015.76	1/2	3,231.26	1/2	3,445.79	1/2		1/2		1/2		1/2		1/2	
3/4	2,578.49	3/4	2,804.75	3/4	3,020.25	3/4	3,235.75	3/4	3,449.80	3/4		3/4		3/4		3/4		3/4	
7	2,583.65	7	2,809.24	7	3,024.74	7	3,240.24	7	3,453.81	7		7		7		7		7	
1/4	2,588.81	1/4	2,813.73	1/4	3,029.23	1/4	3,244.73	1/4	3,455.73	1/4		1/4		1/4		1/4		1/4	
1/2	2,593.97	1/2	2,818.22	1/2	3,033.72	1/2	3,249.22	1/2	3,457.66	1/2		1/2		1/2		1/2		1/2	
3/4	2,599.14	3/4	2,822.71	3/4	3,038.21	3/4	3,253.71	3/4	3,459.59	3/4		3/4		3/4		3/4		3/4	
8	2,604.30	8	2,827.20	8	3,042.70	8	3,258.20	8	3,461.52	8		8		8		8		8	
1/4	2,609.46	1/4	2,831.69	1/4	3,047.19	1/4	3,262.69	1/4	3,461.56	1/4		1/4		1/4		1/4		1/4	
1/2	2,614.62	1/2	2,836.18	1/2	3,051.68	1/2	3,267.18	1/2	3,461.60	1/2		1/2		1/4		1/2		1/2	
3/4	2,619.79	3/4	2,840.67	3/4	3,056.17	3/4	3,271.67	3/4	3,401.00	3/4		3/4		3/4		3/4	-	3/4	
9	2,624.95	9	2,845.16	9	3,060.66	9	3,276.16	9		9		9		9		9		9	
-	2,630.11	1/4	2,849.65	-	3,065.15	-	3,280.65	-		$oldsymbol{}$		-		-		-			
1/4	2,635.27		2,854.14	1/4	3,069.64	1/4	3,285.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,635.27	1/2 3/4	2,858.63	1/2 3/4	3,069.64	1/2 3/4	3,285.14	1/2 3/4		1/2 3/4		1/2 3/4		3/4		1/2 3/4		3/4	
3/4				_		_		3/4		3/4 10		3/4 10		3/4		3/4	-	3/4	
10	2,645.60	10	2,863.12	10	3,078.62	10	3,294.12			-				_					
1/4	2,650.59	1/4	2,867.60	1/4	3,083.11	1/4	3,298.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,655.58	1/2	2,872.09	1/2	3,087.60	1/2	3,303.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,660.58	3/4	2,876.58	3/4	3,092.08	3/4	3,307.59	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,665.57	11	2,881.07	11	3,096.57	11	3,312.08	11		11		11		11		11		11	
1/4	2,670.06	1/4	2,885.56	1/4	3,101.06	1/4	3,316.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,674.55	1/2	2,890.05	1/2	3,105.55	1/2	3,321.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,679.04	3/4	2,894.54	3/4	3,110.04	3/4	3,325.54	3/4		3/4		3/4		3/4		3/4		3/4	
															OFBTIFIE	01140	T EOD THE ABOV	/E > 1 A A A E E	2 TANUA ON II VA

STRAPPED: 04/02/2014 CL CALCULATED: 04/04/2014 CL REPRINTED: 03/18/2015 SW

CANCELS AND SUPERCEDES ALL PRIOR TO 03/2015 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-10"

CAPAC	ITIES GIVEN IN B	ARRELS (OF 42 U.S. GALLON	S													GAUGE H	EIGH	IT 15'-10"
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	2.10	0	247.51	0	518.52	0	792.79	0	1,069.02	0	1,345.24	0	1,621.47	0	1,897.69	0	2,173.92	0	2,450.14
1/4	3.54	1/4	253.26	1/4	524.10	1/4	798.55	1/4	1,074.77	1/4	1,351.00	1/4	1,627.22	1/4	1,903.45	1/4	2,179.67	1/4	2,455.90
1/2	4.98	1/2	259.02	1/2	529.67	1/2	804.30	1/2	1,080.53	1/2	1,356.75	1/2	1,632.98	1/2	1,909.20	1/2	2,185.43	1/2	2,461.65
3/4	6.42	3/4	264.77	3/4	535.25	3/4	810.06	3/4	1,086.28	3/4	1,362.51	3/4	1,638.73	3/4	1,914.96	3/4	2,191.18	3/4	2,467.41
1	7.86	1	270.53	1	540.82	1	815.81	1	1,092.04	1	1,368.26	1	1,644.49	1	1,920.71	1	2,196.94	1	2,473.16
1/4	11.21	1/4	276.28	1/4	546.40	1/4	821.56	1/4	1,097.79	1/4	1,374.02	1/4	1,650.24	1/4	1,926.47	1/4	2,202.69	1/4	2,478.92
1/2	14.57	1/2	282.04	1/2	551.97	1/2	827.32	1/2	1,103.55	1/2	1,379.77	1/2	1,656.00	1/2	1,932.22	1/2	2,208.45	1/2	2,484.67
3/4	17.92	3/4	287.79	3/4	557.55	3/4	833.07	3/4	1,109.30	3/4	1,385.53	3/4	1,661.75	3/4	1,937.98	3/4	2,214.20	3/4	2,490.43
2	21.28	2	293.55	2	563.12	2	838.83	2	1,115.05	2	1,391.28	2	1,667.51	2	1,943.73	2	2,219.96	2	2,496.18
\vdash	26.27	1/4	299.30	1/4	568.75	1/4	844.58	1/4	1,120.81	1/4	1,397.03	1/4	1,673.26	1/4	1,949.49	1/4	2,225.71	1/4	2,501.94
1/4	31.27	-	305.06		574.37		850.34		1,126.56	1/4	1,402.79		1,679.01		1,955.24	1/4	2,223.71		2,507.69
1/2	36.27	1/2	310.81	1/2 3/4	580.00	1/2 3/4	856.09	1/2	1,132.32	3/4	1,402.79	1/2 3/4	1,684.77	1/2	1,955.24	3/4	2,237.22	1/2	2,513.45
3/4	41.26	3/4	316.56	3/4	585.62	3/4	861.85	3/4	1,132.32	3/4	1,414.30	3/4	1,690.52	3/4	1,966.75	3/4	2,242.98	3/4	
-				-		-		-		-		-		-				-	2,519.20
1/4	46.91	1/4	322.32	1/4	591.38	1/4	867.60	1/4	1,143.83	1/4	1,420.05	1/4	1,696.28	1/4	1,972.50	1/4	2,248.73	1/4	2,524.96
1/2	52.55	1/2	328.07	1/2	597.13	1/2	873.36	1/2	1,149.58	1/2	1,425.81	1/2	1,702.03	1/2	1,978.26	1/2	2,254.48	1/2	2,530.71
3/4	58.19	3/4	333.83	3/4	602.89	3/4	879.11	3/4	1,155.34	3/4	1,431.56	3/4	1,707.79	3/4	1,984.01	3/4	2,260.24	3/4	2,536.47
4	63.83	4	339.58	4	608.64	4	884.87	4	1,161.09	4	1,437.32	4	1,713.54	4	1,989.77	4	2,265.99	4	2,542.22
1/4	69.52	1/4	345.29	1/4	614.40	1/4	890.62	1/4	1,166.85	1/4	1,443.07	1/4	1,719.30	1/4	1,995.52	1/4	2,271.75	1/4	2,547.97
1/2	75.21	1/2	351.00	1/2	620.15	1/2	896.38	1/2	1,172.60	1/2	1,448.83	1/2	1,725.05	1/2	2,001.28	1/2	2,277.50	1/2	2,553.73
3/4	80.90	3/4	356.72	3/4	625.90	3/4	902.13	3/4	1,178.36	3/4	1,454.58	3/4	1,730.81	3/4	2,007.03	3/4	2,283.26	3/4	2,559.48
5	86.60	5	362.43	5	631.66	5	907.89	5	1,184.11	5	1,460.34	5	1,736.56	5	2,012.79	5	2,289.01	5	2,565.24
1/4	92.32	1/4	368.01	1/4	637.41	1/4	913.64	1/4	1,189.87	1/4	1,466.09	1/4	1,742.32	1/4	2,018.54	1/4	2,294.77	1/4	2,570.99
1/2	98.04	1/2	373.58	1/2	643.17	1/2	919.39	1/2	1,195.62	1/2	1,471.85	1/2	1,748.07	1/2	2,024.30	1/2	2,300.52	1/2	2,576.75
3/4	103.76	3/4	379.16	3/4	648.92	3/4	925.15	3/4	1,201.37	3/4	1,477.60	3/4	1,753.83	3/4	2,030.05	3/4	2,306.28	3/4	2,582.50
6	109.48	6	384.74	6	654.68	6	930.90	6	1,207.13	6	1,483.36	6	1,759.58	6	2,035.81	6	2,312.03	6	2,588.26
1/4	115.22	1/4	390.32	1/4	660.43	1/4	936.66	1/4	1,212.88	1/4	1,489.11	1/4	1,765.34	1/4	2,041.56	1/4	2,317.79	1/4	2,594.01
1/2	120.96	1/2	395.89	1/2	666.19	1/2	942.41	1/2	1,218.64	1/2	1,494.86	1/2	1,771.09	1/2	2,047.32	1/2	2,323.54	1/2	2,599.77
3/4	126.70	3/4	401.47	3/4	671.94	3/4	948.17	3/4	1,224.39	3/4	1,500.62	3/4	1,776.84	3/4	2,053.07	3/4	2,329.30	3/4	2,605.52
7	132.44	7	407.04	7	677.70	7	953.92	7	1,230.15	7	1,506.37	7	1,782.60	7	2,058.83	7	2,335.05	7	2,611.28
1/4	138.19	1/4	412.61	1/4	683.45	1/4	959.68	1/4	1,235.90	1/4	1,512.13	1/4	1,788.35	1/4	2,064.58	1/4	2,340.81	1/4	2,617.03
1/2	143.94	1/2	418.19	1/2	689.21	1/2	965.43	1/2	1,241.66	1/2	1,517.88	1/2	1,794.11	1/2	2,070.33	1/2	2,346.56	1/2	2,622.79
3/4	149.69	3/4	423.76	3/4	694.96	3/4	971.19	3/4	1,247.41	3/4	1,523.64	3/4	1,799.86	3/4	2,076.09	3/4	2,352.31	3/4	2,628.54
8	155.44	8	429.34	8	700.72	8	976.94	8	1,253.17	8	1,529.39	8	1,805.62	8	2,081.84	8	2,358.07	8	2,634.30
1/4	161.19	1/4	434.91	1/4	706.47	1/4	982.70	1/4	1,258.92	1/4	1,535.15	1/4	1,811.37	1/4	2,087.60	1/4	2,363.82	1/4	2,640.05
1/2	166.95	1/2	440.49	1/2	712.23	1/2	988.45	1/2	1,264.68	1/2	1,540.90	1/2	1,817.13	1/2	2,093.35	1/2	2,369.58	1/2	2,645.80
3/4	172.70	3/4	446.06	3/4	717.98	3/4	994.21	3/4	1,270.43	3/4	1,546.66	3/4	1,822.88	3/4	2,099.11	3/4	2,375.33	3/4	2,651.56
9	178.46	9	451.63	9	723.73	9	999.96	9	1,276.19	9	1,552.41	9	1,828.64	9	2,104.86	9	2,381.09	9	2,657.31
1/4	184.21	1/4	457.21	1/4	729.49	1/4	1,005.72	1/4	1,281.94	1/4	1,558.17	1/4	1,834.39	1/4	2,110.62	1/4	2,386.84	1/4	2,663.07
1/2	189.97	1/2	462.78	1/2	735.24	1/2	1,011.47	1/2	1,287.70	1/2	1,563.92	1/2	1,840.15	1/2	2,116.37	1/2	2,392.60	1/2	2,668.82
3/4	195.72	3/4	468.36	3/4	741.00	3/4	1,017.22	3/4	1,293.45	3/4	1,569.68	3/4	1,845.90	3/4	2,122.13	3/4	2,398.35	3/4	2,674.58
10	201.47	10	473.93	10	746.75	10	1,022.98	10	1,299.20	10	1,575.43	10	1,851.66	10	2,127.88	10	2,404.11	10	2,680.33
1/4	207.23	1/4	479.50	1/4	752.51	1/4	1,028.73	1/4	1,304.96	1/4	1,581.19	1/4	1,857.41	1/4	2,133.64	1/4	2,409.86	1/4	2,686.09
1/4	212.98	1/4	485.08	1/4	758.26	1/4	1,034.49	1/4	1,310.71	1/4	1,586.94	1/4	1,863.17	1/4	2,139.39	1/4	2,415.62	1/4	2,691.84
3/4	212.96	3/4	490.65	3/4	764.02	3/4	1,040.24	3/4	1,316.47	3/4	1,592.69	3/4	1,868.92	3/4	2,139.39	3/4	2,413.62	3/4	2,697.60
3/4	218.74	3/4	496.23	3/4	764.02	3/4	1,046.00	3/4	1,316.47	3/4	1,592.69	3/4	1,868.92	3/4	2,145.15	3/4	2,427.13	3/4	2,703.35
\vdash		-		-		-		-		\vdash		-		-		+		-	,
1/4	230.25	1/4	501.80	1/4	775.53	1/4	1,051.75	1/4	1,327.98	1/4	1,604.20	1/4	1,880.43	1/4	2,156.66	1/4	2,432.88	1/4	2,709.11
1/2	236.00	1/2	507.38	1/2	781.28	1/2	1,057.51	1/2	1,333.73	1/2	1,609.96	1/2	1,886.18	1/2	2,162.41	1/2	2,438.64	1/2	2,714.86
3/4	241.76	3/4	512.95	3/4	787.04	3/4	1,063.26	3/4	1,339.49	3/4	1,615.71	3/4	1,891.94	3/4	2,168.16	3/4	2,444.39	3/4	2,720.62

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 ENLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 31*-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

The fleamen



2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-10"

CAPAC	THES GIVEN IN BA	ARRELS (OF 42 U.S. GALLON	15											GAUGE HEIGH	11 13-10
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT. N	17 FT. IN	18 FT. N	19 FT.
0	2,726.37	0	3,002.60	0	3,278.82	0	3,555.05	0	3,831.27	0		0	0	0	0	
1/4	2,732.13	1/4	3,008.35	1/4	3,284.58	1/4	3,560.80	1/4	3,837.03	1/4		1/4	1/4	1/4	1/4	
1/2	2,737.88	1/2	3,014.11	1/2	3,290.33	1/2	3,566.56	1/2	3,842.78	1/2		1/2	1/2	1/2	1/2	
3/4	2,743.63	3/4	3,019.86	3/4	3,296.09	3/4	3,572.31	3/4	3,848.54	3/4		3/4	3/4	3/4	3/4	
1	2,749.39	1	3,025.61	1	3,301.84	1	3,578.07	1	3,854.29	1		1	1	1	1	
1/4	2,755.14	1/4	3,031.37	1/4	3,307.60	1/4	3,583.82	1/4	3,860.05	1/4		1/4	1/4	1/4	1/4	
1/2	2,760.90	1/2	3,037.12	1/2	3,313.35	1/2	3,589.58	1/2	3,865.80	1/2		1/2	1/2	1/4	1/4	
3/4	2,766.65	3/4	3,042.88	3/4	3,319.10	3/4	3,595.33	3/4	3,871.56	3/4		3/4	3/4	3/4	3/4	
2	2,772.41	2	3,048.63	2	3,324.86	2	3,601.08	2	3,877.31	2		2	2	2	2	
1/4	2,778.16	1/4	3,054.39	1/4	3,330.61	1/4	3,606.84	1/4	3,883.07	1/4		1/4	1/4	1/4	1/4	
1/4	2,7783.92	1/4	3,060.14	1/4	3,336.37	1/4	3,612.59	1/4	3,888.82	1/4		1/4	1/4	1/4	1/4	
3/4	2,789.67	3/4	3,065.90	3/4	3,342.12	3/4	3,618.35	3/4	3,894.57	3/4		3/4	3/4	3/4	3/4	
3/4	2,795.43	3/4	,	3/4	3,347.88	3/4		3/4	,	3/4		3/4	3/4	3/4	3/4	
	· · · · · · · · · · · · · · · · · · ·		3,071.65	_		-	3,624.10	-	3,900.33	_		+				
1/4	2,801.18	1/4	3,077.41	1/4	3,353.63	1/4	3,629.86	1/4	3,906.08	1/4		1/4	1/4	1/4	1/4	
1/2	2,806.94	1/2	3,083.16	1/2	3,359.39	1/2	3,635.61	1/2	3,911.84	1/2		1/2	1/2	1/2	1/2	
3/4	2,812.69	3/4	3,088.92	3/4	3,365.14	3/4	3,641.37	3/4	3,917.59	3/4		3/4	3/4	3/4	3/4	
4	2,818.45	4	3,094.67	4	3,370.90	4	3,647.12	4	3,923.35	4		4	4	4	4	
1/4	2,824.20	1/4	3,100.43	1/4	3,376.65	1/4	3,652.88	1/4	3,929.10	1/4		1/4	1/4	1/4	1/4	
1/2	2,829.95	1/2	3,106.18	1/2	3,382.41	1/2	3,658.63	1/2	3,934.86	1/2		1/2	1/2	1/2	1/2	
3/4	2,835.71	3/4	3,111.94	3/4	3,388.16	3/4	3,664.39	3/4	3,940.61	3/4		3/4	3/4	3/4	3/4	
5	2,841.46	5	3,117.69	5	3,393.92	5	3,670.14	5	3,946.37	5		5	5	5	5	
1/4	2,847.22	1/4	3,123.44	1/4	3,399.67	1/4	3,675.90	1/4	3,952.12	1/4		1/4	1/4	1/4	1/4	
1/2	2,852.97	1/2	3,129.20	1/2	3,405.42	1/2	3,681.65	1/2	3,957.88	1/2		1/2	1/2	1/2	1/2	
3/4	2,858.73	3/4	3,134.95	3/4	3,411.18	3/4	3,687.41	3/4	3,963.63	3/4		3/4	3/4	3/4	3/4	
6	2,864.48	6	3,140.71	6	3,416.93	6	3,693.16	6	3,969.39	6		6	6	6	6	
1/4	2,870.24	1/4	3,146.46	1/4	3,422.69	1/4	3,698.91	1/4	3,974.60	1/4		1/4	1/4	1/4	1/4	
1/2	2,875.99	1/2	3,152.22	1/2	3,428.44	1/2	3,704.67	1/2	3,979.82	1/2		1/2	1/2	1/2	1/2	
3/4	2,881.75	3/4	3,157.97	3/4	3,434.20	3/4	3,710.42	3/4	3,985.03	3/4		3/4	3/4	3/4	3/4	
7	2,887.50	7	3,163.73	7	3,439.95	7	3,716.18	7	3,990.25	7		7	7	7	7	
1/4	2,893.26	1/4	3,169.48	1/4	3,445.71	1/4	3,721.93	1/4	3,993.15	1/4		1/4	1/4	1/4	1/4	
1/2	2,899.01	1/2	3,175.24	1/2	3,451.46	1/2	3,727.69	1/2	3,996.05	1/2		1/2	1/2	1/2	1/2	
3/4	2,904.77	3/4	3,180.99	3/4	3,457.22	3/4	3,733.44	3/4	3,998.95	3/4		3/4	3/4	3/4	3/4	
8	2,910.52	8	3,186.75	8	3,462.97	8	3,739.20	8	4,001.85	8		8	8	8	8	
1/4	2,916.28	1/4	3,192.50	1/4	3,468.73	1/4	3,744.95	1/4	4,002.45	1/4		1/4	1/4	1/4	1/4	
1/2	2,922.03	1/2	3,198.26	1/2	3,474.48	1/2	3,750.71	1/2	4,003.06	1/2		1/2	1/2	1/2	1/2	
3/4	2,927.78	3/4	3,204.01	3/4	3,480.24	3/4	3,756.46	3/4	=	3/4		3/4	3/4	3/4	3/4	
9	2,933.54	9	3,209.77	9	3,485.99	9	3,762.22	9		9		9	9	9	9	
1/4	2,939.29	1/4	3,215.52	1/4	3,491.75	1/4	3,767.97	1/4		1/4		1/4	1/4	1/4	1/4	
1/2	2,945.05	1/2	3,221.27	1/2	3,497.50	1/2	3,773.73	1/2		1/2		1/2	1/4	1/4	1/4	
3/4	2,950.80	3/4	3,227.03	3/4	3,503.25	3/4	3,779.48	3/4		3/4		3/4	3/4	3/4	3/4	
10	2,956.56	10	3,232.78	10	3,509.01	10	3,785.24	10		10		10	10	10	10	
1/4	2,962.31	1/4	3,238.54	1/4	3,514.76	1/4	3,790.99	1/4		1/4		1/4	1/4	1/4	1/4	
	· · · · · · · · · · · · · · · · · · ·		3,244.29		3,514.76	_				_						
1/2	2,968.07	1/2	3,244.29	1/2		1/2	3,796.74	1/2		1/2		1/2	1/2	1/2	1/2	
3/4	2,973.82	3/4		3/4	3,526.27	3/4	3,802.50	3/4		3/4		3/4	3/4	3/4		
11	2,979.58	11	3,255.80	11	3,532.03	11	3,808.25	11		11		11	11	11	11	
1/4	2,985.33	1/4	3,261.56	1/4	3,537.78	1/4	3,814.01	1/4		1/4		1/4	1/4	1/4	1/4	
1/2	2,991.09	1/2	3,267.31	1/2	3,543.54	1/2	3,819.76	1/2		1/2		1/2	1/2	1/2	1/2	
3/4	2,996.84	3/4	3,273.07	3/4	3,549.29	3/4	3,825.52	3/4		3/4		3/4	3/4	3/4	3/4	

STRAPPED: 04/02/2014 CL CALCULATED: 04/04/2014 CL REPRINTED: 03/18/2015 SW

CANCELS AND SUPERCEDES ALL PRIOR TO 03/2015 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

Fre frame



3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-10"

CAPACI	TIES GIVEN IN BAF	RRELS O	F 42 U.S. GALLONS	3													GAUGE H	IEIGHI	15'-10"
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	2.00	0	219.74	0	464.49	0	709.46	0	954.55	0	1,199.65	0	1,444.75	0	1,689.85	0	1,934.94	0	2,180.04
1/4	3.27	1/4	224.85	1/4	469.58	1/4	714.56	1/4	959.66	1/4	1,204.76	1/4	1,449.85	1/4	1,694.95	1/4	1,940.05	1/4	2,185.15
	4.55	1/2	229.96	1/2	474.68	1/2	719.67	1/2	964.77	1/2	1,209.86	1/2	1,454.96	1/2	1,700.06	1/2	1,945.16	1/2	2,190.25
1/2	5.83	3/4	235.06		479.77		724.77		969.87		1,214.97	-	1,460.07		1,705.16		1,950.26	-	2,195.36
3/4				3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	7.10	1	240.17	1	484.87	1	729.88	1	974.98	1	1,220.08	1	1,465.17	1	1,710.27	1	1,955.37	1	2,200.47
1/4	10.08	1/4	245.27	1/4	489.96	1/4	734.99	1/4	980.08	1/4	1,225.18	1/4	1,470.28	1/4	1,715.38	1/4	1,960.47	1/4	2,205.57
1/2	13.06	1/2	250.38	1/2	495.05	1/2	740.09	1/2	985.19	1/2	1,230.29	1/2	1,475.39	1/2	1,720.48	1/2	1,965.58	1/2	2,210.68
3/4	16.03	3/4	255.49	3/4	500.15	3/4	745.20	3/4	990.30	3/4	1,235.39	3/4	1,480.49	3/4	1,725.59	3/4	1,970.69	3/4	2,215.78
2	19.01	2	260.59	2	505.24	2	750.31	2	995.40	2	1,240.50	2	1,485.60	2	1,730.70	2	1,975.79	2	2,220.89
1/4	23.44	1/4	265.70	1/4	510.34	1/4	755.41	1/4	1,000.51	1/4	1,245.61	1/4	1,490.70	1/4	1,735.80	1/4	1,980.90	1/4	2,226.00
1/2	27.88	1/2	270.80	1/2	515.44	1/2	760.52	1/2	1,005.62	1/2	1,250.71	1/2	1,495.81	1/2	1,740.91	1/2	1,986.01	1/2	2,231.10
3/4	32.31	3/4	275.91	3/4	520.53	3/4	765.62	3/4	1,010.72	3/4	1,255.82	3/4	1,500.92	3/4	1,746.01	3/4	1,991.11	3/4	2,236.21
3	36.74	3	281.01	3	525.63	3	770.73	3	1,015.83	3	1,260.93	3	1,506.02	3	1,751.12	3	1,996.22	3	2,241.32
1/4	41.75	1/4	286.12	1/4	530.74	1/4	775.84	1/4	1,020.93	1/4	1,266.03	1/4	1,511.13	1/4	1,756.23	1/4	2,001.32	1/4	2,246.42
	46.75	1/4	291.23	1/4	535.84	1/4	780.94	1/4	1,026.04	1/4	1,271.14	1/2	1,516.24	1/4	1,761.33	1/4	2,001.32	1/4	2,251.53
1/2	51.76	3/4	291.23	3/4	540.95	3/4	786.05	3/4	1,026.04	3/4	1,271.14	3/4	1,510.24		1,766.44	3/4	2,000.43	3/4	2,256.63
3/4						_			,					3/4					
4	56.77	4	301.44	4	546.06	4	791.15	4	1,036.25	4	1,281.35	4	1,526.45	4	1,771.55	4	2,016.64	4	2,261.74
1/4	61.82	1/4	306.54	1/4	551.16	1/4	796.26	1/4	1,041.36	1/4	1,286.46	1/4	1,531.55	1/4	1,776.65	1/4	2,021.75	1/4	2,266.85
1/2	66.87	1/2	311.65	1/2	556.27	1/2	801.37	1/2	1,046.46	1/2	1,291.56	1/2	1,536.66	1/2	1,781.76	1/2	2,026.86	1/2	2,271.95
3/4	71.92	3/4	316.75	3/4	561.38	3/4	806.47	3/4	1,051.57	3/4	1,296.67	3/4	1,541.77	3/4	1,786.86	3/4	2,031.96	3/4	2,277.06
5	76.97	5	321.85	5	566.48	5	811.58	5	1,056.68	5	1,301.77	5	1,546.87	5	1,791.97	5	2,037.07	5	2,282.17
1/4	82.04	1/4	326.95	1/4	571.59	1/4	816.69	1/4	1,061.78	1/4	1,306.88	1/4	1,551.98	1/4	1,797.08	1/4	2,042.17	1/4	2,287.27
1/2	87.12	1/2	332.04	1/2	576.69	1/2	821.79	1/2	1,066.89	1/2	1,311.99	1/2	1,557.08	1/2	1,802.18	1/2	2,047.28	1/2	2,292.38
3/4	92.19	3/4	337.14	3/4	581.80	3/4	826.90	3/4	1,072.00	3/4	1,317.09	3/4	1,562.19	3/4	1,807.29	3/4	2,052.39	3/4	2,297.48
6	97.27	6	342.23	6	586.91	6	832.00	6	1,077.10	6	1,322.20	6	1,567.30	6	1,812.39	6	2,057.49	6	2,302.59
1/4	102.36	1/4	347.32	1/4	592.01	1/4	837.11	1/4	1,082.21	1/4	1,327.31	1/4	1,572.40	1/4	1,817.50	1/4	2,062.60	1/4	2,307.70
1/2	107.46	1/2	352.42	1/2	597.12	1/2	842.22	1/2	1,087.31	1/2	1,332.41	1/2	1,577.51	1/2	1,822.61	1/2	2,067.70	1/2	2,312.80
	112.55	3/4	357.51	3/4	602.23	3/4	847.32	3/4	1,092.42	3/4	1,337.52	3/4	1,582.62	3/4	1,827.71	3/4	2,072.81	3/4	2,317.91
3/4		7		_		_		_		_			•	-					
7	117.64	-	362.61	7	607.33	7	852.43	7	1,097.53	7	1,342.62	7	1,587.72	7	1,832.82	7	2,077.92	7	2,323.01
1/4	122.74	1/4	367.70	1/4	612.44	1/4	857.54	1/4	1,102.63	1/4	1,347.73	1/4	1,592.83	1/4	1,837.93	1/4	2,083.02	1/4	2,328.12
1/2	127.85	1/2	372.79	1/2	617.54	1/2	862.64	1/2	1,107.74	1/2	1,352.84	1/2	1,597.93	1/2	1,843.03	1/2	2,088.13	1/2	2,333.23
3/4	132.95	3/4	377.89	3/4	622.65	3/4	867.75	3/4	1,112.85	3/4	1,357.94	3/4	1,603.04	3/4	1,848.14	3/4	2,093.24	3/4	2,338.33
8	138.05	8	382.98	8	627.76	8	872.85	8	1,117.95	8	1,363.05	8	1,608.15	8	1,853.24	8	2,098.34	8	2,343.44
1/4	143.16	1/4	388.08	1/4	632.86	1/4	877.96	1/4	1,123.06	1/4	1,368.16	1/4	1,613.25	1/4	1,858.35	1/4	2,103.45	1/4	2,348.55
1/2	148.26	1/2	393.17	1/2	637.97	1/2	883.07	1/2	1,128.16	1/2	1,373.26	1/2	1,618.36	1/2	1,863.46	1/2	2,108.55	1/2	2,353.65
3/4	153.37	3/4	398.27	3/4	643.07	3/4	888.17	3/4	1,133.27	3/4	1,378.37	3/4	1,623.47	3/4	1,868.56	3/4	2,113.66	3/4	2,358.76
9	158.47	9	403.36	9	648.18	9	893.28	9	1,138.38	9	1,383.47	9	1,628.57	9	1,873.67	9	2,118.77	9	2,363.86
1/4	163.58	1/4	408.45	1/4	653.29	1/4	898.38	1/4	1,143.48	1/4	1,388.58	1/4	1,633.68	1/4	1,878.78	1/4	2,123.87	1/4	2,368.97
1/2	168.68	1/2	413.55	1/2	658.39	1/2	903.49	1/2	1,148.59	1/2	1,393.69	1/2	1,638.78	1/2	1,883.88	1/2	2,128.98	1/2	2,374.08
3/4	173.79	3/4	418.64	3/4	663.50	3/4	908.60	3/4	1,153.69	3/4	1,398.79	3/4	1,643.89	3/4	1,888.99	3/4	2,120.90	3/4	2,379.18
10	178.90	10	423.74	10	668.61	10	913.70	10	1,158.80	10	1,403.90	10	1,649.00	10	1,894.09	10	2,134.09	10	2,384.29
-		-		-				\vdash		+-+				+		-		-	
1/4	184.00	1/4	428.83	1/4	673.71	1/4	918.81	1/4	1,163.91	1/4	1,409.00	1/4	1,654.10	1/4	1,899.20	1/4	2,144.30	1/4	2,389.40
1/2	189.11	1/2	433.92	1/2	678.82	1/2	923.92	1/2	1,169.01	1/2	1,414.11	1/2	1,659.21	1/2	1,904.31	1/2	2,149.40	1/2	2,394.50
3/4	194.21	3/4	439.02	3/4	683.92	3/4	929.02	3/4	1,174.12	3/4	1,419.22	3/4	1,664.31	3/4	1,909.41	3/4	2,154.51	3/4	2,399.61
11	199.32	11	444.11	11	689.03	11	934.13	11	1,179.23	11	1,424.32	11	1,669.42	11	1,914.52	11	2,159.62	11	2,404.71
1/4	204.43	1/4	449.21	1/4	694.14	1/4	939.23	1/4	1,184.33	1/4	1,429.43	1/4	1,674.53	1/4	1,919.62	1/4	2,164.72	1/4	2,409.82
1/2	209.53	1/2	454.30	1/2	699.24	1/2	944.34	1/2	1,189.44	1/2	1,434.54	1/2	1,679.63	1/2	1,924.73	1/2	2,169.83	1/2	2,414.93
3/4	214.64	3/4	459.39	3/4	704.35	3/4	949.45	3/4	1,194.54	3/4	1,439.64	3/4	1,684.74	3/4	1,929.84	3/4	2,174.93	3/4	2,420.03
																	T FOR THE ARC		,

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 ENLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-10"

0 2 1/4 2 1/2 2 3/4 2 1 2 1/4 2	10 FT. 2,425.14 2,430.24 2,435.35	IN 0	11 FT. 2,670.24	IN 0	12 FT. 2,915.33	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	N 18 FT.	N 19 FT.
1/4 2 1/2 2 3/4 2 1 2 1/4 2	2,430.24 2,435.35	_	,			0	3,160.43	0	3,405.53	0		0		0		0	0
1/2 2 3/4 2 1 2 1/4 2	2,435.35		2,675.34	1/4	2,920.44	1/4	3,165.54	1/4	3,410.64	1/4		1/4		1/4		1/4	1/4
3/4 2 1 2 1/4 2	,	1/2	2,680.45	1/2	2,925.55	1/2	3,170.64	1/2	3,415.74	1/2		1/2		1/2		1/2	1/2
1 2	2,440.46	3/4	2,685.55	3/4	2,930.65	3/4	3,175.75	3/4	3,420.85	3/4		3/4		3/4		3/4	3/4
1/4 2	2,445.56	1	2,690.66	1	2,935.76	1	3,180.86	1	3,425.95	1		1		1		1	1
	2,450.67	1/4	2,695.77	1/4	2,940.86	1/4	3,185.96	1/4	3,431.06	1/4		1/4		1/4		1/4	1/4
1/2 2	2,455.78	1/2	2,700.87	1/2	2,945.97	1/2	3,191.07	1/2	3,436.17	1/2		1/2		1/2		1/2	1/2
	2,460.88	3/4	2,705.98	3/4	2,951.08	3/4	3,196.17	3/4	3,441.27	3/4		3/4		3/4		3/4	3/4
	2,465.99	2	2,711.09	2	2,956.18	2	3,201.28	2	3,446.38	2		2		2		2	2
-	2,471.09	1/4	2,716.19	1/4	2,961.29	1/4	3,206.39	1/4	3,451.48	1/4		1/4		1/4		1/4	1/4
	2,476.20	1/2	2,721.30	1/2	2,966.40	1/2	3,211.49	1/2	3,456.59	1/2		1/2		1/2		1/2	1/2
	2,481.31	3/4	2,726.40	3/4	2,971.50	3/4	3,216.60	3/4	3,461.70	3/4		3/4		3/4		3/4	3/4
	2,486.41	3	2,731.51	3	2,976.61	3	3,221.71	3	3,466.80	3		3		3		3	3
_	2,491.52	1/4	2,736.62	1/4	2,981.71	1/4	3,226.81	1/4	3,471.91	1/4		1/4		1/4		1/4	1/4
	2,496.63	1/2	2,741.72	1/2	2,986.82	1/2	3,231.92	1/2	3,477.02	1/2		1/2		1/2		1/2	1/2
	2,501.73	3/4	2,746.83	3/4	2,991.93	3/4	3,237.02	3/4	3,482.12	3/4		3/4		3/4		3/4	3/4
-	2,506.84	4	2,751.94	4	2,997.03	4	3,242.13	4	3,487.23	4		4		4		4	4
-	2,511.94	1/4	2,757.04	1/4	3,002.14	1/4	3,247.24	1/4	3,492.33	1/4		1/4		1/4		1/4	1/4
	2,517.05	1/2	2,762.15	1/2	3,007.25	1/2	3,252.34	1/2	3,497.44	1/2		1/2		1/2		1/2	1/2
	2,522.16	3/4	2,767.25	3/4	3,012.35	3/4	3,257.45	3/4	3,502.55	3/4		3/4		3/4		3/4	3/4
	2,527.26	5	2,772.36	5	3,017.46	5	3,262.56	5	3,507.65	5		5		5		5	5
	2,532.37	1/4	2,777.47	1/4	3,022.56	1/4	3,267.66	1/4	3,512.76	1/4		1/4		1/4		1/4	1/4
	2,537.48	1/2	2,782.57	1/2	3,027.67	1/2	3,272.77	1/2	3,517.87	1/2		1/2		1/2		1/2	1/2
	2,542.58	3/4	2,787.68	3/4	3,032.78	3/4	3,277.87	3/4	3,522.97	3/4		3/4		3/4		3/4	3/4
	2,547.69	6	2,792.79	6	3,037.88	6	3,282.98	6	3,528.08	6		6		6		6	6
_	2,552.79	1/4	2,797.89	1/4	3,042.99	1/4	3,288.09	1/4	3,532.70	1/4		1/4		1/4		1/4	1/4
	2,557.90	1/2	2,803.00	1/2	3,048.10	1/2	3,293.19	1/2	3,537.32	1/2		1/2		1/2		1/2	1/2
	2,563.01	3/4	2,808.10	3/4	3,053.20	3/4	3,298.30	3/4	3,541.94	3/4		3/4		3/4		3/4	3/4
	2,568.11	7	2,813.21	7	3,058.31	7	3,303.41	7	3,546.57	7		7		7		7	7
1/4 2	2,573.22	1/4	2,818.32	1/4	3,063.41	1/4	3,308.51	1/4	3,549.14	1/4		1/4		1/4		1/4	1/4
	2,578.32	1/2	2,823.42	1/2	3,068.52	1/2	3,313.62	1/2	3,551.71	1/2		1/2		1/2		1/2	1/2
	2,583.43	3/4	2,828.53	3/4	3,073.63	3/4	3,318.72	3/4	3,554.29	3/4		3/4		3/4		3/4	3/4
8 2	2,588.54	8	2,833.63	8	3,078.73	8	3,323.83	8	3,556.86	8		8		8		8	8
_	2,593.64	1/4	2,838.74	1/4	3,083.84	1/4	3,328.94	1/4	3,557.40	1/4		1/4		1/4		1/4	1/4
	2,598.75	1/2	2,843.85	1/2	3,088.94	1/2	3,334.04	1/2	3,557.94	1/2		1/2		1/2		1/2	1/2
	2,603.86	3/4	2,848.95	3/4	3,094.05	3/4	3,339.15	3/4	_	3/4		3/4		3/4		3/4	3/4
-	2,608.96	9	2,854.06	9	3,099.16	9	3,344.25	9		9		9		9		9	9
	2,614.07	1/4	2,859.17	1/4	3,104.26	1/4	3,349.36	1/4		1/4		1/4		1/4		1/4	1/4
	2,619.17	1/2	2,864.27	1/2	3,109.37	1/2	3,354.47	1/2		1/2		1/2		1/2		1/2	1/2
3/4 2	2,624.28	3/4	2,869.38	3/4	3,114.48	3/4	3,359.57	3/4		3/4		3/4		3/4		3/4	3/4
	2,629.39	10	2,874.48	10	3,119.58	10	3,364.68	10		10		10		10		10	10
_	2,634.49	1/4	2,879.59	1/4	3,124.69	1/4	3,369.79	1/4		1/4		1/4		1/4		1/4	1/4
	2,639.60	1/2	2,884.70	1/2	3,129.79	1/2	3,374.89	1/2		1/2		1/2		1/2		1/2	1/2
	2,644.71	3/4	2,889.80	3/4	3,134.90	3/4	3,380.00	3/4		3/4		3/4		3/4		3/4	3/4
	2,649.81	11	2,894.91	11	3,140.01	11	3,385.10	11		11		11		11		11	11
_	2,654.92	1/4	2,900.02	1/4	3,145.11	1/4	3,390.21	1/4		1/4		1/4		1/4		1/4	1/4
	2,660.02	1/2	2,905.12	1/2	3,150.22	1/2	3,395.32	1/2		1/2		1/2		1/2		1/2	1/2
	2,665.13	3/4	2,910.23	3/4	3,155.33	3/4	3,400.42	3/4		3/4		3/4		3/4		3/4	3/4

STRAPPED: 04/02/2014 CL CALCULATED: 04/04/2014 CL REPRINTED: 03/18/2015 SW

CANCELS AND SUPERCEDES ALL PRIOR TO 03/2015 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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