BARGE "MPX 401"

PORT SLOP

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-06 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	0	0	1,099	0	2,198	0	3,297	0	4,397	0	5,496	0		0		0		0	
1/4	23	1/4	1,122	1/4	2,221	1/4	3,320	1/4	4,419	1/4	5,519	1/4		1/4		1/4		1/4	
1/2	46	1/2	1,145	1/2	2,244	1/2	3,343	1/2	4,442	1/2	5,541	1/2		1/2		1/2		1/2	
3/4	69	3/4	1,168	3/4	2,267	3/4	3,366	3/4	4,465	3/4		3/4		3/4		3/4		3/4	
1	92	1	1,191	1	2,290	1	3,389	1	4,488	1		1		1		1		1	
1/4	114	1/4	1,214	1/4	2,313	1/4	3,412	1/4	4,511	1/4		1/4		1/4		1/4		1/4	
1/2	137	1/2	1,237	1/2	2,336	1/2	3,435	1/2	4,534	1/2		1/2		1/2		1/2		1/2	
3/4	160	3/4	1,259	3/4	2,359	3/4	3,458	3/4	4,557	3/4		3/4		3/4		3/4		3/4	
2	183	2	1,282	2	2,381	2	3,481	2	4,580	2		2		2		2		2	
1/4	206	1/4	1,305	1/4	2,404	1/4	3,503	1/4	4,603	1/4		1/4		1/4		1/4		1/4	
1/2	229	1/2	1,328	1/2	2,427	1/2	3,526	1/2	4,625	1/2		1/2		1/2		1/2		1/2	
3/4	252	3/4	1,351	3/4	2,450	3/4	3,549	3/4	4,648	3/4		3/4		3/4		3/4		3/4	
3	275	3	1,374	3	2,473	3	3,572	3	4,671	3		3		3		3		3	
1/4	298	1/4	1,397	1/4	2,496	1/4	3,595	1/4	4,694	1/4		1/4		1/4		1/4		1/4	
1/2	321	1/2	1,420	1/2	2,519	1/2	3,618	1/2	4,717	1/2		1/2		1/2		1/2		1/2	
3/4	343	3/4	1,443	3/4	2,542	3/4	3,641	3/4	4,740	3/4		3/4		3/4		3/4		3/4	
4	366	4	1,466	4	2,565	4	3,664	4	4,763	4		4		4		4		4	
1/4	389	1/4	1,488	1/4	2,588	1/4	3,687	1/4	4,786	1/4		1/4		1/4		1/4		1/4	
1/2	412	1/2	1,511	1/2	2,610	1/2	3,710	1/2	4,809	1/2		1/2		1/2		1/2		1/2	
3/4	435	3/4	1,534	3/4	2,633	3/4	3,732	3/4	4,832	3/4		3/4		3/4		3/4		3/4	
5	458	5	1,557	5	2,656	5	3,755	5	4,854	5		5		5		5		5	
1/4	481	1/4	1,580	1/4	2,679	1/4	3,778	1/4	4,877	1/4		1/4		1/4		1/4		1/4	
1/2	504	1/2	1,603	1/2	2,702	1/2	3,801	1/2	4,900	1/2		1/2		1/2		1/2		1/2	
3/4	527	3/4	1,626	3/4	2,725	3/4	3,824	3/4	4,923	3/4		3/4		3/4		3/4		3/4	
6	550	6	1,649	6	2,748	6	3,847	6	4,946	6		6		6		6		6	
1/4	572	1/4	1,672	1/4	2,771	1/4	3,870	1/4	4,969	1/4		1/4		1/4		1/4		1/4	
1/2	595	1/2	1,694	1/2	2,794	1/2	3,893	1/2	4,992	1/2		1/2		1/2		1/2		1/2	
3/4	618	3/4	1,717	3/4	2,817	3/4	3,916	3/4	5,015	3/4		3/4		3/4		3/4		3/4	
7	641	7	1,740	7	2,839	7	3,939	7	5,038	7		7		7		7		7	
1/4	664	1/4	1,763	1/4	2,862	1/4	3,961	1/4	5,061	1/4		1/4		1/4		1/4		1/4	
1/2	687	1/2	1,786	1/2	2,885	1/2	3,984	1/2	5,083	1/2		1/2		1/2		1/2		1/2	
3/4	710	3/4	1,809	3/4	2,908	3/4	4,007	3/4	5,106	3/4		3/4		3/4		3/4		3/4	
8	733	8	1,832	8	2,931	8	4,030	8	5,129	8		8		8		8		8	
1/4	756	1/4	1,855	1/4	2,954	1/4	4,053	1/4	5,152	1/4		1/4		1/4		1/4		1/4	
1/2	779	1/2	1,878	1/2	2,977	1/2	4,076	1/2	5,175	1/2		1/2		1/2		1/2		1/2	
3/4	801	3/4	1,901	3/4	3,000	3/4	4,099	3/4	5,198	3/4		3/4		3/4		3/4		3/4	
9	824	9	1,923	9	3,023	9	4,122	9	5,221	9		9		9		9		9	
1/4	847	1/4	1,946	1/4	3,046	1/4	4,145	1/4	5,244	1/4		1/4		1/4		1/4		1/4	
1/2	870	1/2	1,969	1/2	3,068	1/2	4,168	1/2	5,267	1/2		1/2		1/2		1/2		1/2	
3/4	893	3/4	1,992	3/4	3,091	3/4	4,190	3/4	5,290	3/4		3/4		3/4		3/4		3/4	
10	916	10	2,015	10	3,114	10	4,213	10	5,312	10		10		10		10		10	
1/4	939	1/4	2,038	1/4	3,137	1/4	4,236	1/4	5,335	1/4		1/4		1/4		1/4		1/4	
1/2	962	1/2	2,061	1/2	3,160	1/2	4,259	1/2	5,358	1/2		1/2		1/2		1/2		1/2	
3/4	985	3/4	2,084	3/4	3,183	3/4	4,282	3/4	5,381	3/4		3/4		3/4		3/4		3/4	
11	1,008	11	2,107	11	3,206	11	4,305	11	5,404	11		11		11		11		11	
1/4	1,030	1/4	2,130	1/4	3,229	1/4	4,328	1/4	5,427	1/4		1/4		1/4		1/4		1/4	
1/2	1,053	1/2	2,152	1/2	3,252	1/2	4,351	1/2	5,450	1/2		1/2		1/2		1/2		1/2	
3/4	1,076	3/4	2,175	3/4	3,274	3/4	4,374	3/4	5,473	3/4		3/4		3/4		3/4		3/4	

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 ULLAGE GAUGES TAKEN TO 2" DIAMETER "HERMETIC" VALVE.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

STBD SLOP

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-06 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	0	0	1,105	0	2,211	0	3,316	0	4,421	0	5,526	0		0		0		0	
1/4	23	1/4	1,128	1/4	2,234	1/4	3,339	1/4	4,444	1/4	5,549	1/4		1/4		1/4		1/4	
1/2	46	1/2	1,151	1/2	2,257	1/2	3,362	1/2	4,467	1/2	5,572	1/2		1/2		1/2		1/2	
3/4	69	3/4	1,174	3/4	2,280	3/4	3,385	3/4	4,490	3/4		3/4		3/4		3/4		3/4	
1	92	1	1,197	1	2,303	1	3,408	1	4,513	1		1		1		1		1	
1/4	115	1/4	1,220	1/4	2,326	1/4	3,431	1/4	4,536	1/4		1/4		1/4		1/4		1/4	
1/2	138	1/2	1,243	1/2	2,349	1/2	3,454	1/2	4,559	1/2		1/2		1/2		1/2		1/2	
3/4	161	3/4	1,266	3/4	2,372	3/4	3,477	3/4	4,582	3/4		3/4		3/4		3/4		3/4	
2	184	2	1,289	2	2,395	2	3,500	2	4,605	2		2		2		2		2	
1/4	207	1/4	1,313	1/4	2,418	1/4	3,523	1/4	4,628	1/4		1/4		1/4		1/4		1/4	
1/2	230	1/2	1,336	1/2	2,441	1/2	3,546	1/2	4,651	1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	1,359	3/4	2,464	3/4	3,569	3/4	4,674	3/4		3/4		3/4		3/4		3/4	
3	276	3	1,382	3	2,487	3	3,592	3	4,697	3		3		3		3		3	
1/4	299	1/4	1,405	1/4	2,510	1/4	3,615	1/4	4,720	1/4		1/4		1/4		1/4		1/4	
1/2	322	1/2	1,428	1/2	2,533	1/2	3,638	1/2	4,743	1/2		1/2		1/2		1/2		1/2	
3/4	345	3/4	1,451	3/4	2,556	3/4	3,661	3/4	4,766	3/4		3/4		3/4		3/4		3/4	
4	368	4	1,474	4	2,579	4	3,684	4	4,790	4		4		4		4		4	
1/4	391	1/4	1,497	1/4	2,602	1/4	3,707	1/4	4,813	1/4		1/4		1/4		1/4		1/4	
1/2	414	1/2	1,520	1/2	2,625	1/2	3,730	1/2	4,836	1/2		1/2		1/2		1/2		1/2	
3/4	438	3/4	1,543	3/4	2,648	3/4	3,753	3/4	4,859	3/4		3/4		3/4		3/4		3/4	
5	461	5	1,566	5	2,671	5	3,776	5	4,882	5		5		5		5		5	
1/4	484	1/4	1,589	1/4	2,694	1/4	3,799	1/4	4,905	1/4		1/4		1/4		1/4		1/4	
1/2	507	1/2	1,612	1/2	2,717	1/2	3,822	1/2	4,928	1/2		1/2		1/2		1/2		1/2	
3/4	530	3/4	1,635	3/4	2,740	3/4	3,845	3/4	4,951	3/4		3/4		3/4		3/4		3/4	
6	553	6	1,658	6	2,763	6	3,868	6	4,974	6		6		6		6		6	
1/4	576	1/4	1,681	1/4	2,786	1/4	3,891	1/4	4,997	1/4		1/4		1/4		1/4		1/4	
1/2	599	1/2	1,704	1/2	2,809	1/2	3,915	1/2	5,020	1/2		1/2		1/2		1/2		1/2	
3/4	622	3/4	1,727	3/4	2,832	3/4	3,938	3/4	5,043	3/4		3/4		3/4		3/4		3/4	
7	645	7	1,750	7	2,855	7	3,961	7	5,066	7		7		7		7		7	
1/4	668	1/4	1,773	1/4	2,878	1/4	3,984	1/4	5,089	1/4		1/4		1/4		1/4		1/4	
1/2	691	1/2	1,796	1/2	2,901	1/2	4,007	1/2	5,112	1/2		1/2		1/2		1/2		1/2	
3/4	714	3/4	1,819	3/4	2,924	3/4	4,030	3/4	5,135	3/4		3/4		3/4		3/4		3/4	
8	737	8	1,842	8	2,947	8	4,053	8	5,158	8		8		8		8		8	
1/4	760	1/4	1,865	1/4	2,970	1/4	4,076	1/4	5,181	1/4		1/4		1/4		1/4		1/4	
1/2	783	1/2	1,888	1/2	2,993	1/2	4,099	1/2	5,204	1/2		1/2		1/2		1/2		1/2	
3/4	806	3/4	1,911	3/4	3,016	3/4	4,122	3/4	5,227	3/4		3/4		3/4		3/4		3/4	
9	829	9	1,934	9	3,039	9	4,145	9	5,250	9		9		9		9		9	
1/4	852	1/4	1,957	1/4	3,063	1/4	4,168	1/4	5,273	1/4		1/4		1/4		1/4		1/4	
1/2	875	1/2	1,980	1/2	3,086	1/2	4,191	1/2	5,296	1/2		1/2		1/2		1/2		1/2	
3/4	898	3/4	2,003	3/4	3,109	3/4	4,214	3/4	5,319	3/4		3/4		3/4		3/4		3/4	
10	921	10	2,026	10	3,132	10	4,237	10	5,342	10		10		10		10		10	
1/4	944	1/4	2,049	1/4	3,155	1/4	4,260	1/4	5,365	1/4		1/4		1/4		1/4		1/4	
1/2	967	1/2	2,072	1/2	3,178	1/2	4,283	1/2	5,388	1/2		1/2		1/2		1/2		1/2	
3/4	990	3/4	2,095	3/4	3,201	3/4	4,306	3/4	5,411	3/4		3/4		3/4		3/4		3/4	
11	1,013	11	2,118	11	3,224	11	4,329	11	5,434	11		11		11		11		11	
1/4	1,036	1/4	2,141	1/4	3,247	1/4	4,352	1/4	5,457	1/4		1/4		1/4		1/4		1/4	
1/2	1,059	1/2	2,164	1/2	3,270	1/2	4,375	1/2	5,480	1/2		1/2		1/2		1/2		1/2	
3/4	1,082	3/4	2,188	3/4	3,293	3/4	4,398	3/4	5,503	3/4		3/4		3/4		3/4		3/4	

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 ULLAGE GAUGES TAKEN TO 2" DIAMETER "HERMETIC" VALVE.

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CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "MPX 401"

FUEL TANK
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT

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	0	0	101	0	259	0	416	0	517	0		0		0		0		0	
1/4	1	1/4	104	1/4	262	1/4	419	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	107	1/2	265	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	110	3/4	269	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	113	1	272	1	428	1		1		1		1		1		1	
1/4	4	1/4	116	1/4	276	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	279	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	282	3/4	436	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	286	2	439	2		2		2		2		2		2	
1/4	9	1/4	129	1/4	289	1/4	442	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	132	1/2	293	1/2	444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	135	3/4	296	3/4	447	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	138	3	300	3	450	3		3		3		3		3		3	
1/4	15	1/4	141	1/4	303	1/4	453	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	306	1/2	455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	148	3/4	310	3/4	458	3/4		3/4		3/4		3/4		3/4		3/4	
4	21	4	151	4	313	4	460	4		4		4		4		4		4	
1/4	23	1/4	154	1/4	316	1/4	463	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	25	1/2	157	1/2	320	1/2	465	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	161	3/4	323	3/4	468	3/4		3/4		3/4		3/4		3/4		3/4	
5	29	5	164	5	327	5	470	5		5		5		5		5		5	
1/4	31	1/4	167	1/4	330	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	170	1/2	333	1/2	475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	174	3/4	337	3/4	477	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	177	6	340	6	480	6		6		6		6		6		6	
1/4	40	1/4	180	1/4	343	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	184	1/2	347	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	187	3/4	350	3/4	486	3/4		3/4		3/4		3/4		3/4		3/4	
7	47	7	190	7	353	7	488	7		7		7		7		7		7	
1/4	49	1/4	194	1/4	356	1/4	490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	197	1/2	360	1/2	492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	201	3/4	363	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
8	57	8	204	8	366	8	496	8		8		8		8		8		8	
1/4	59	1/4	207	1/4	369	1/4	498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	211	1/2	373	1/2	500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	214	3/4	376	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	217	9	379	9	504	9		9		9		9		9		9	
1/4	70	1/4	221	1/4	382	1/4	505	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	224	1/2	385	1/2	507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	228	3/4	388	3/4	508	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	231	10	392	10	510	10		10		10		10		10		10	
1/4	81	1/4	235	1/4	395	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	84	1/2	238	1/2	398	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	87	3/4	241	3/4	401	3/4	513	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	245	11	404	11	514	11		11		11		11		11		11	
1/4	92	1/4	248	1/4	407	1/4	515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	252	1/2	410	1/2	516	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	255	3/4	413	3/4	516	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT 2" STANDPIPE

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

INNAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 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	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 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	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT	=	2'-00"	
AFT DRAFT	=	6'-00"	
DIFF.	=	4'-00"	(DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 237'-03"

April 20, 2020

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

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BARGE "MPX 401"

1 PORT

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	14.66	0	291.06	0	625.83	0	967.03	0	1,309.20	0	1,652.20	0	1,995.21	0	2,338.21	0	2,681.21	0	3,024.18
1/4	17.58	1/4	297.66	1/4	632.97	1/4	974.11	1/4	1,316.35	1/4	1,659.35	1/4	2,002.35	1/4	2,345.36	1/4	2,688.35	1/4	3,031.32
1/2	20.50	1/2	304.27	1/2	640.12	1/2	981.20	1/2	1,323.49	1/2	1,666.50	1/2	2,009.50	1/2	2,352.50	1/2	2,695.50	1/2	3,038.46
3/4	23.42	3/4	310.87	3/4	647.27	3/4	988.28	3/4	1,330.64	3/4	1,673.64	3/4	2,016.64	3/4	2,359.65	3/4	2,702.64	3/4	3,045.61
1	26.34	1	317.47	1	654.41	1	995.37	1	1,337.78	1	1,680.79	1	2,023.79	1	2,366.79	1	2,709.79	1	3,052.75
1/4	31.13	1/4	324.16	1/4	661.56	1/4	1,002.45	1/4	1,344.93	1/4	1,687.93	1/4	2,030.94	1/4	2,373.94	1/4	2,716.94	1/4	3,059.89
1/2	35.92	1/2	330.85	1/2	668.70	1/2	1,009.54	1/2	1,352.08	1/2	1,695.08	1/2	2,038.08	1/2	2,381.09	1/2	2,724.08	1/2	3,067.04
3/4	40.71	3/4	337.53	3/4	675.85	3/4	1,016.62	3/4	1,359.22	3/4	1,702.23	3/4	2,045.23	3/4	2,388.23	3/4	2,731.23	3/4	3,074.18
2	45.50	2	344.22	2	682.99	2	1,023.71	2	1,366.37	2	1,709.37	2	2,052.37	2	2,395.38	2	2,738.37	2	3,081.32
1/4	51.23	1/4	350.99	1/4	690.14	1/4	1,030.80	1/4	1,373.51	1/4	1,716.52	1/4	2,059.52	1/4	2,402.52	1/4	2,745.52	1/4	3,088.47
1/2	56.97	1/2	357.76	1/2	697.28	1/2	1,037.90	1/2	1,380.66	1/2	1,723.66	1/2	2,066.67	1/2	2,409.67	1/2	2,752.66	1/2	3,095.61
3/4	62.70	3/4	364.53	3/4	704.43	3/4	1,044.99	3/4	1,387.81	3/4	1,730.81	3/4	2,073.81	3/4	2,416.82	3/4	2,759.81	3/4	3,102.75
3	68.43	3	371.30	3	711.58	3	1,052.09	3	1,394.95	3	1,737.95	3	2,080.96	3	2,423.96	3	2,766.95	3	3,109.90
1/4	74.27	1/4	378.15	1/4	718.72	1/4	1,059.20	1/4	1,402.10	1/4	1,745.10	1/4	2,088.10	1/4	2,431.11	1/4	2,774.10	1/4	3,117.04
1/2	80.11	1/2	385.01	1/2	725.87	1/2	1,066.31	1/2	1,409.24	1/2	1,752.25	1/2	2,095.25	1/2	2,438.25	1/2	2,781.24	1/2	3,124.19
3/4	85.95	3/4	391.86	3/4	733.01	3/4	1,073.42	3/4	1,416.39	3/4	1,759.39	3/4	2,102.40	3/4	2,445.40	3/4	2,788.39	3/4	3,131.33
4	91.79	4	398.71	4	740.16	4	1,080.53	4	1,423.54	4	1,766.54	4	2,109.54	4	2,452.54	4	2,795.53	4	3,138.47
1/4	97.73	1/4	405.65	1/4	747.27	1/4	1,087.68	1/4	1,430.68	1/4	1,773.68	1/4	2,116.69	1/4	2,459.69	1/4	2,802.68	1/4	3,145.62
1/2	103.66	1/2	412.59	1/2	754.38	1/2	1,094.82	1/2	1,437.83	1/2	1,780.83	1/2	2,123.83	1/2	2,466.84	1/2	2,809.82	1/2	3,152.76
3/4	109.59	3/4	419.52	3/4	761.49	3/4	1,101.97	3/4	1,444.97	3/4	1,787.98	3/4	2,130.98	3/4	2,473.98	3/4	2,816.97	3/4	3,159.90
5	115.53	5	426.46	5	768.61	5	1,109.12	5	1,452.12	5	1,795.12	5	2,138.13	5	2,481.13	5	2,824.11	5	3,167.05
1/4	121.55	1/4	433.48	1/4	775.70	1/4	1,116.26	1/4	1,459.26	1/4	1,802.27	1/4	2,145.27	1/4	2,488.27	1/4	2,831.26	1/4	3,174.19
1/2	127.57	1/2	440.49	1/2	782.79	1/2	1,123.41	1/2	1,466.41	1/2	1,809.41	1/2	2,152.42	1/2	2,495.42	1/2	2,838.41	1/2	3,181.33
3/4	133.58	3/4	447.51	3/4	789.89	3/4	1,130.55	3/4	1,473.56	3/4	1,816.56	3/4	2,159.56	3/4	2,502.57	3/4	2,845.55	3/4	3,188.48
6	139.60	6	454.52	6	796.98	6	1,137.70	6	1,480.70	6	1,823.71	6	2,166.71	6	2,509.71	6	2,852.70	6	3,195.62
1/4	145.70	1/4	461.62	1/4	804.06	1/4	1,144.85	1/4	1,487.85	1/4	1,830.85	1/4	2,173.85	1/4	2,516.86	1/4	2,859.84	1/4	3,202.76
1/2	151.81	1/2	468.72	1/2	811.15	1/2	1,151.99	1/2	1,494.99	1/2	1,838.00	1/2	2,181.00	1/2	2,524.00	1/2	2,866.99	1/2	3,209.91
3/4	157.91	3/4	475.82	3/4	818.24	3/4	1,159.14	3/4	1,502.14	3/4	1,845.14	3/4	2,188.15	3/4	2,531.15	3/4	2,874.13	3/4	3,217.05
7	164.01	7	482.92	7	825.32	7	1,166.28	7	1,509.29	7	1,852.29	7	2,195.29	7	2,538.30	7	2,881.28	7	3,224.19
1/4	170.20	1/4	490.06	1/4	832.41	1/4	1,173.43	1/4	1,516.43	1/4	1,859.44	1/4	2,202.44	1/4	2,545.44	1/4	2,888.42	1/4	3,231.34
1/2	176.38	1/2	497.21	1/2	839.49	1/2	1,180.57	1/2	1,523.58	1/2	1,866.58	1/2	2,209.58	1/2	2,552.59	1/2	2,895.57	1/2	3,238.48
3/4	182.57	3/4	504.35	3/4	846.58	3/4	1,187.72	3/4	1,530.72	3/4	1,873.73	3/4	2,216.73	3/4	2,559.73	3/4	2,902.71	3/4	3,245.62
8	188.75	8	511.50	8	853.66	8	1,194.87	8	1,537.87	8	1,880.87	8	2,223.88	8	2,566.88	8	2,909.86	8	3,252.77
1/4	195.02	1/4	518.64	1/4	860.75	1/4	1,202.01	1/4	1,545.02	1/4	1,888.02	1/4	2,231.02	1/4	2,574.03	1/4	2,917.00	1/4	3,259.91
1/2	201.29	1/2	525.79	1/2	867.83	1/2	1,209.16	1/2	1,552.16	1/2	1,895.16	1/2	2,238.17	1/2	2,581.17	1/2	2,924.15	1/2	3,267.06
3/4	207.56	3/4	532.94	3/4	874.92	3/4	1,216.30	3/4	1,559.31	3/4	1,902.31	3/4	2,245.31	3/4	2,588.32	3/4	2,931.29	3/4	3,274.20
9	213.83	9	540.08	9	882.00	9	1,223.45	9	1,566.45	9	1,909.46	9	2,252.46	9	2,595.46	9	2,938.44	9	3,281.34
1/4	220.18	1/4	547.23	1/4	889.09	1/4	1,230.60	1/4	1,573.60	1/4	1,916.60	1/4	2,259.61	1/4	2,602.61	1/4	2,945.58	1/4	3,288.49
1/2	226.53	1/2	554.37	1/2	896.17	1/2	1,237.74	1/2	1,580.75	1/2	1,923.75	1/2	2,266.75	1/2	2,609.75	1/2	2,952.73	1/2	3,295.63
3/4	232.89	3/4	561.52	3/4	903.26	3/4	1,244.89	3/4	1,587.89	3/4	1,930.89	3/4	2,273.90	3/4	2,616.90	3/4	2,959.88	3/4	3,302.77
10	239.24	10	568.66	10	910.34	10	1,252.03	10	1,595.04	10	1,938.04	10	2,281.04	10	2,624.05	10	2,967.02	10	3,309.92
1/4	245.67	1/4	575.81	1/4	917.43	1/4	1,259.18	1/4	1,602.18	1/4	1,945.19	1/4	2,288.19	1/4	2,631.19	1/4	2,974.17	1/4	3,317.06
1/2	252.11	1/2	582.96	1/2	924.51	1/2	1,266.33	1/2	1,609.33	1/2	1,952.33	1/2	2,295.34	1/2	2,638.34	1/2	2,981.31	1/2	3,324.20
3/4	258.55	3/4	590.10	3/4	931.60	3/4	1,273.47	3/4	1,616.47	3/4	1,959.48	3/4	2,302.48	3/4	2,645.48	3/4	2,988.46	3/4	3,331.35
11	264.98	11	597.25	11	938.69	11	1,280.62	11	1,623.62	11	1,966.62	11	2,309.63	11	2,652.63	11	2,995.60	11	3,338.49
1/4	271.50	1/4	604.39	1/4	945.77	1/4	1,287.76	1/4	1,630.77	1/4	1,973.77	1/4	2,316.77	1/4	2,659.77	1/4	3,002.75	1/4	3,345.63
1/2	278.02	1/2	611.54	1/2	952.86	1/2	1,294.91	1/2	1,637.91	1/2	1,980.92	1/2	2,323.92	1/2	2,666.92	1/2	3,009.89	1/2	3,352.78
3/4	284.54	3/4	618.68	3/4	959.94	3/4	1,302.05	3/4	1,645.06	3/4	1,988.06	3/4	2,331.06	3/4	2,674.06	3/4	3,017.03	3/4	3,359.92

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 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

1 PORT

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	3,367.06	0	3,709.97	0	4,052.95	0	4,395.28	0	4,736.70	0		0		0		0		0	
1/4	3,374.21	1/4	3,717.12	1/4	4,060.10	1/4	4,402.39	1/4	4,743.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,381.35	1/2	3,724.27	1/2	4,067.24	1/2	4,409.51	1/2	4,750.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,388.49	3/4	3,731.41	3/4	4,074.39	3/4	4,416.62	3/4	4,758.03	3/4		3/4		3/4		3/4		3/4	
1	3,395.64	1	3,738.56	1	4,081.54	1	4,423.73	1	4,765.15	1		1		1		1		1	
1/4	3,402.78	1/4	3,745.70	1/4	4,088.68	1/4	4,430.85	1/4	4,772.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,409.93	1/2	3,752.85	1/2	4,095.83	1/2	4,437.96	1/2	4,779.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,417.07	3/4	3,759.99	3/4	4,102.97	3/4	4,445.07	3/4	4,786.49	3/4		3/4		3/4		3/4		3/4	
2	3,424.21	2	3,767.14	2	4,110.12	2	4,452.18	2	4,793.60	2		2		2		2		2	
1/4	3,431.36	1/4	3,774.28	1/4	4,117.26	1/4	4,459.30	1/4	4,800.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,438.50	1/2	3,781.43	1/2	4,124.41	1/2	4,466.41	1/2	4,807.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,445.64	3/4	3,788.57	3/4	4,131.55	3/4	4,473.52	3/4	4,814.94	3/4		3/4		3/4		3/4		3/4	
3	3,452.79	3	3,795.72	3	4,138.70	3	4,480.63	3	4,822.05	3		3		3		3		3	
1/4	3,459.93	1/4	3,802.87	1/4	4,145.84	1/4	4,487.75	1/4	4,829.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,467.07	1/2	3,810.01	1/2	4,152.99	1/2	4,494.86	1/2	4,836.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,474.22	3/4	3,817.16	3/4	4,160.14	3/4	4,501.97	3/4	4,843.25	3/4		3/4		3/4		3/4		3/4	
4	3,481.36	4	3,824.30	4	4,167.28	4	4,509.09	4	4,850.32	4		4		4		4		4	
1/4	3,488.50	1/4	3,831.45	1/4	4,174.43	1/4	4,516.20	1/4	4,857.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,495.65	1/2	3,838.59	1/2	4,181.57	1/2	4,523.31	1/2	4,864.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,502.79	3/4	3,845.74	3/4	4,188.72	3/4	4,530.42	3/4	4,871.53	3/4		3/4		3/4		3/4		3/4	
5	3,509.93	5	3,852.88	5	4,195.86	5	4,537.54	5	4,878.59	5		5		5		5		5	
1/4	3,517.08	1/4	3,860.03	1/4	4,203.01	1/4	4,544.65	1/4	4,885.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,524.22	1/2	3,867.17	1/2	4,210.15	1/2	4,551.76	1/2	4,892.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,531.36	3/4	3,874.32	3/4	4,217.30	3/4	4,558.88	3/4	4,899.80	3/4		3/4		3/4		3/4		3/4	
6	3,538.51	6	3,881.46	6	4,224.44	6	4,565.99	6	4,906.86	6		6		6		6		6	
1/4	3,545.65	1/4	3,888.61	1/4	4,231.59	1/4	4,573.10	1/4	4,913.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,552.80	1/2	3,895.76	1/2	4,238.73	1/2	4,580.21	1/2	4,920.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,559.94	3/4	3,902.90	3/4	4,245.88	3/4	4,587.33	3/4	4,928.02	3/4		3/4		3/4		3/4		3/4	
7	3,567.08	7	3,910.05	7	4,253.03	7	4,594.44	7	4,935.08	7		7		7		7		7	
1/4	3,574.23	1/4	3,917.19	1/4	4,260.14	1/4	4,601.55	1/4	4,942.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,581.37	1/2	3,924.34	1/2	4,267.25	1/2	4,608.67	1/2	4,949.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,588.51	3/4	3,931.48	3/4	4,274.36	3/4	4,615.78	3/4	4,956.08	3/4		3/4		3/4		3/4		3/4	
8	3,595.66	8	3,938.63	8	4,281.48	8	4,622.89	8	4,963.07	8		8		8		8		8	
1/4	3,602.80	1/4	3,945.77	1/4	4,288.59	1/4	4,630.00	1/4	4,969.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,609.94	1/2	3,952.92	1/2	4,295.70	1/2	4,637.12	1/2	4,975.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,617.09	3/4	3,960.06	3/4	4,302.81	3/4	4,644.23	3/4	4,981.60	3/4		3/4		3/4		3/4		3/4	
9	3,624.23	9	3,967.21	9	4,309.93	9	4,651.34	9	4,987.77	9		9		9		9		9	
1/4	3,631.38	1/4	3,974.35	1/4	4,317.04	1/4	4,658.45	1/4	4,992.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,638.52	1/2	3,981.50	1/2	4,324.15	1/2	4,665.57	1/2	4,997.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.67	3/4	3,988.65	3/4	4,331.27	3/4	4,672.68	3/4	5,002.72	3/4		3/4		3/4		3/4		3/4	
10	3,652.81	10	3,995.79	10	4,338.38	10	4,679.79	10	5,007.71	10		10		10		10		10	
1/4	3,659.96	1/4	4,002.94	1/4	4,345.49	1/4	4,686.91	1/4	5,011.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,667.10	1/2	4,010.08	1/2	4,352.60	1/2	4,694.02	1/2	5,015.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,674.25	3/4	4,017.23	3/4	4,359.72	3/4	4,701.13	3/4	5,019.09	3/4		3/4		3/4		3/4		3/4	
11	3,681.39	11	4,024.37	11	4,366.83	11	4,708.24	11	5,022.88	11		11		11		11		11	
1/4	3,688.54	1/4	4,031.52	1/4	4,373.94	1/4	4,715.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,695.68	1/2	4,038.66	1/2	4,381.06	1/2	4,722.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,702.83	3/4	4,045.81	3/4	4,388.17	3/4	4,729.58	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

1 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	14.62	0	290.25	0	624.16	0	966.03	0	1,308.05	0	1,650.14	0	1,992.23	0	2,334.32	0	2,676.41	0	3,018.48
1/4	17.53	1/4	296.83	1/4	631.29	1/4	973.15	1/4	1,315.18	1/4	1,657.27	1/4	1,999.36	1/4	2,341.45	1/4	2,683.54	1/4	3,025.60
1/2	20.44	1/2	303.42	1/2	638.41	1/2	980.27	1/2	1,322.30	1/2	1,664.39	1/2	2,006.49	1/2	2,348.58	1/2	2,690.66	1/2	3,032.73
3/4	23.35	3/4	310.00	3/4	645.54	3/4	987.38	3/4	1,329.43	3/4	1,671.52	3/4	2,013.61	3/4	2,355.70	3/4	2,697.79	3/4	3,039.85
1	26.27	1	316.59	1	652.67	1	994.50	1	1,336.56	1	1,678.65	1	2,020.74	1	2,362.83	1	2,704.92	1	3,046.98
1/4	31.04	1/4	323.26	1/4	659.79	1/4	1,001.62	1/4	1,343.68	1/4	1,685.77	1/4	2,027.87	1/4	2,369.96	1/4	2,712.04	1/4	3,054.10
1/2	35.82	1/2	329.92	1/2	666.92	1/2	1,008.74	1/2	1,350.81	1/2	1,692.90	1/2	2,034.99	1/2	2,377.08	1/2	2,719.17	1/2	3,061.23
3/4	40.60	3/4	336.59	3/4	674.05	3/4	1,015.86	3/4	1,357.94	3/4	1,700.03	3/4	2,042.12	3/4	2,384.21	3/4	2,726.30	3/4	3,068.35
2	45.37	2	343.26	2	681.17	2	1,022.97	2	1,365.06	2	1,707.16	2	2,049.25	2	2,391.34	2	2,733.42	2	3,075.48
1/4	51.09	1/4	350.01	1/4	688.30	1/4	1,030.10	1/4	1,372.19	1/4	1,714.28	1/4	2,056.37	1/4	2,398.46	1/4	2,740.55	1/4	3,082.60
1/2	56.80	1/2	356.76	1/2	695.43	1/2	1,037.23	1/2	1,379.32	1/2	1,721.41	1/2	2,063.50	1/2	2,405.59	1/2	2,747.68	1/2	3,089.73
3/4	62.52	3/4	363.52	3/4	702.55	3/4	1,044.35	3/4	1,386.45	3/4	1,728.54	3/4	2,070.63	3/4	2,412.72	3/4	2,754.80	3/4	3,096.85
3	68.23	3	370.27	3	709.68	3	1,051.48	3	1,393.57	3	1,735.66	3	2,077.75	3	2,419.85	3	2,761.93	3	3,103.97
1/4	74.06	1/4	377.10	1/4	716.81	1/4	1,058.61	1/4	1,400.70	1/4	1,742.79	1/4	2,084.88	1/4	2,426.97	1/4	2,769.06	1/4	3,111.10
1/2	79.88	1/2	383.94	1/2	723.94	1/2	1,065.73	1/2	1,407.83	1/2	1,749.92	1/2	2,092.01	1/2	2,434.10	1/2	2,776.18	1/2	3,118.22
3/4	85.71	3/4	390.77	3/4	731.06	3/4	1,072.86	3/4	1,414.95	3/4	1,757.04	3/4	2,099.14	3/4	2,441.23	3/4	2,783.31	3/4	3,125.35
4	91.53	4	397.61	4	738.19	4	1,079.99	4	1,422.08	4	1,764.17	4	2,106.26	4	2,448.35	4	2,790.44	4	3,132.47
1/4	97.45	1/4	404.53	1/4	745.32	1/4	1,087.12	1/4	1,429.21	1/4	1,771.30	1/4	2,113.39	1/4	2,455.48	1/4	2,797.56	1/4	3,139.60
1/2	103.37	1/2	411.44	1/2	752.44	1/2	1,094.24	1/2	1,436.33	1/2	1,778.42	1/2	2,120.52	1/2	2,462.61	1/2	2,804.69	1/2	3,146.72
3/4	109.28	3/4	418.36	3/4	759.57	3/4	1,101.37	3/4	1,443.46	3/4	1,785.55	3/4	2,127.64	3/4	2,469.73	3/4	2,811.82	3/4	3,153.85
5	115.20	5	425.28	5	766.70	5	1,108.50	5	1,450.59	5	1,792.68	5	2,134.77	5	2,476.86	5	2,818.94	5	3,160.97
1/4	121.20	1/4	432.28	1/4	773.82	1/4	1,115.62	1/4	1,457.71	1/4	1,799.81	1/4	2,141.90	1/4	2,483.99	1/4	2,826.07	1/4	3,168.09
1/2	127.20	1/2	439.28	1/2	780.95	1/2	1,122.75	1/2	1,464.84	1/2	1,806.93	1/2	2,149.02	1/2	2,491.11	1/2	2,833.20	1/2	3,175.22
3/4	133.20	3/4	446.29	3/4	788.07	3/4	1,129.88	3/4	1,471.97	3/4	1,814.06	3/4	2,156.15	3/4	2,498.24	3/4	2,840.32	3/4	3,182.34
6	139.21	6	453.29	6	795.20	6	1,137.00	6	1,479.09	6	1,821.19	6	2,163.28	6	2,505.37	6	2,847.45	6	3,189.47
1/4	145.29	1/4	460.37	1/4	802.32	1/4	1,144.13	1/4	1,486.22	1/4	1,828.31	1/4	2,170.40	1/4	2,512.50	1/4	2,854.58	1/4	3,196.59
1/2	151.38	1/2	467.46	1/2	809.44	1/2	1,151.26	1/2	1,493.35	1/2	1,835.44	1/2	2,177.53	1/2	2,519.62	1/2	2,861.70	1/2	3,203.72
3/4	157.46	3/4	474.54	3/4	816.55	3/4	1,158.38	3/4	1,500.48	3/4	1,842.57	3/4	2,184.66	3/4	2,526.75	3/4	2,868.83	3/4	3,210.84
7	163.55	7	481.63	7	823.67	7	1,165.51	7	1,507.60	7	1,849.69	7	2,191.78	7	2,533.88	7	2,875.96	7	3,217.97
1/4	169.71	1/4	488.75	1/4	830.79	1/4	1,172.64	1/4	1,514.73	1/4	1,856.82	1/4	2,198.91	1/4	2,541.00	1/4	2,883.08	1/4	3,225.09
1/2	175.88	1/2	495.88	1/2	837.91	1/2	1,179.77	1/2	1,521.86	1/2	1,863.95	1/2	2,206.04	1/2	2,548.13	1/2	2,890.21	1/2	3,232.22
3/4	182.05	3/4	503.01	3/4	845.02	3/4	1,186.89	3/4	1,528.98	3/4	1,871.07	3/4	2,213.17	3/4	2,555.26	3/4	2,897.34	3/4	3,239.34
8	188.22	8	510.13	8	852.14	8	1,194.02	8	1,536.11	8	1,878.20	8	2,220.29	8	2,562.38	8	2,904.46	8	3,246.46
1/4	194.47	1/4	517.26	1/4	859.26	1/4	1,201.15	1/4	1,543.24	1/4	1,885.33	1/4	2,227.42	1/4	2,569.51	1/4	2,911.59	1/4	3,253.59
1/2	200.72	1/2	524.39	1/2	866.38	1/2	1,208.27	1/2	1,550.36	1/2	1,892.46	1/2	2,234.55	1/2	2,576.64	1/2	2,918.72	1/2	3,260.71
3/4	206.97	3/4	531.51	3/4	873.50	3/4	1,215.40	3/4	1,557.49	3/4	1,899.58	3/4	2,241.67	3/4	2,583.76	3/4	2,925.84	3/4	3,267.84
9	213.23	9	538.64	9	880.61	9	1,222.53	9	1,564.62	9	1,906.71	9	2,248.80	9	2,590.89	9	2,932.97	9	3,274.96
1/4	219.56	1/4	545.77	1/4	887.73	1/4	1,229.65	1/4	1,571.74	1/4	1,913.84	1/4	2,255.93	1/4	2,598.02	1/4	2,940.10	1/4	3,282.09
1/2	225.90	1/2	552.89	1/2	894.85	1/2	1,236.78	1/2	1,578.87	1/2	1,920.96	1/2	2,263.05	1/2	2,605.15	1/2	2,947.22	1/2	3,289.21
3/4	232.23	3/4	560.02	3/4	901.97	3/4	1,243.91	3/4	1,586.00	3/4	1,928.09	3/4	2,270.18	3/4	2,612.27	3/4	2,954.35	3/4	3,296.34
10	238.57	10	567.15	10	909.09	10	1,251.03	10	1,593.13	10	1,935.22	10	2,277.31	10	2,619.40	10	2,961.48	10	3,303.46
1/4	244.99	1/4	574.27	1/4	916.20	1/4	1,258.16	1/4	1,600.25	1/4	1,942.34	1/4	2,284.43	1/4	2,626.53	1/4	2,968.60	1/4	3,310.58
1/2	251.40	1/2	581.40	1/2	923.32	1/2	1,265.29	1/2	1,607.38	1/2	1,949.47	1/2	2,291.56	1/2	2,633.65	1/2	2,975.73	1/2	3,317.71
3/4	257.82	3/4	588.53	3/4	930.44	3/4	1,272.41	3/4	1,614.51	3/4	1,956.60	3/4	2,298.69	3/4	2,640.78	3/4	2,982.86	3/4	3,324.83
11	264.24	11	595.65	11	937.56	11	1,279.54	11	1,621.63	11	1,963.72	11	2,305.82	11	2,647.91	11	2,989.98	11	3,331.96
1/4	270.74	1/4	602.78	1/4	944.68	1/4	1,286.67	1/4	1,628.76	1/4	1,970.85	1/4	2,312.94	1/4	2,655.03	1/4	2,997.11	1/4	3,339.08
1/2	277.24	1/2	609.91	1/2	951.79	1/2	1,293.80	1/2	1,635.89	1/2	1,977.98	1/2	2,320.07	1/2	2,662.16	1/2	3,004.23	1/2	3,346.21
3/4	283.75	3/4	617.03	3/4	958.91	3/4	1,300.92	3/4	1,643.01	3/4	1,985.10	3/4	2,327.20	3/4	2,669.29	3/4	3,011.36	3/4	3,353.33

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 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

1 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	3,360.46	0	3,702.46	0	4,044.53	0	4,385.95	0	4,726.46	0		0		0		0		0	
1/4	3,367.58	1/4	3,709.58	1/4	4,051.65	1/4	4,393.04	1/4	4,733.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,374.71	1/2	3,716.71	1/2	4,058.78	1/2	4,400.14	1/2	4,740.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,381.83	3/4	3,723.84	3/4	4,065.91	3/4	4,407.23	3/4	4,747.74	3/4		3/4		3/4		3/4		3/4	
1	3,388.95	1	3,730.96	1	4,073.03	1	4,414.32	1	4,754.83	1		1		1		1		1	
1/4	3,396.08	1/4	3,738.09	1/4	4,080.16	1/4	4,421.42	1/4	4,761.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,403.20	1/2	3,745.22	1/2	4,087.29	1/2	4,428.51	1/2	4,769.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,410.33	3/4	3,752.34	3/4	4,094.41	3/4	4,435.61	3/4	4,776.11	3/4		3/4		3/4		3/4		3/4	
2	3,417.45	2	3,759.47	2	4,101.54	2	4,442.70	2	4,783.21	2		2		2		2		2	
1/4	3,424.58	1/4	3,766.59	1/4	4,108.67	1/4	4,449.79	1/4	4,790.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,431.70	1/2	3,773.72	1/2	4,115.79	1/2	4,456.89	1/2	4,797.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,438.83	3/4	3,780.85	3/4	4,122.92	3/4	4,463.98	3/4	4,804.49	3/4		3/4		3/4		3/4		3/4	
3	3,445.95	3	3,787.97	3	4,130.05	3	4,471.07	3	4,811.58	3		3		3		3		3	
1/4	3,453.07	1/4	3,795.10	1/4	4,137.17	1/4	4,478.17	1/4	4,818.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,460.20	1/2	3,802.23	1/2	4,144.30	1/2	4,485.26	1/2	4,825.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,467.32	3/4	3,809.35	3/4	4,151.43	3/4	4,492.36	3/4	4,832.73	3/4		3/4		3/4		3/4		3/4	
4	3,474.45	4	3,816.48	4	4,158.55	4	4,499.45	4	4,839.78	4		4		4		4		4	
1/4	3,481.57	1/4	3,823.61	1/4	4,165.68	1/4	4,506.54	1/4	4,846.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,488.70	1/2	3,830.73	1/2	4,172.81	1/2	4,513.64	1/2	4,853.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,495.82	3/4	3,837.86	3/4	4,179.93	3/4	4,520.73	3/4	4,860.93	3/4		3/4		3/4		3/4		3/4	
5	3,502.95	5	3,844.99	5	4,187.06	5	4,527.83	5	4,867.98	5		5		5		5		5	
1/4	3,510.07	1/4	3,852.11	1/4	4,194.18	1/4	4,534.92	1/4	4,875.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,517.20	1/2	3,859.24	1/2	4,201.31	1/2	4,542.01	1/2	4,882.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,524.32	3/4	3,866.37	3/4	4,208.44	3/4	4,549.11	3/4	4,889.12	3/4		3/4		3/4		3/4		3/4	
6	3,531.44	6	3,873.49	6	4,215.56	6	4,556.20	6	4,896.17	6		6		6		6		6	
1/4	3,538.57	1/4	3,880.62	1/4	4,222.69	1/4	4,563.30	1/4	4,903.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,545.69	1/2	3,887.75	1/2	4,229.82	1/2	4,570.39	1/2	4,910.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,552.82	3/4	3,894.87	3/4	4,236.94	3/4	4,577.48	3/4	4,917.27	3/4		3/4		3/4		3/4		3/4	
7	3,559.94	7	3,902.00	7	4,244.07	7	4,584.58	7	4,924.31	7		7		7		7		7	
1/4	3,567.07	1/4	3,909.12	1/4	4,251.16	1/4	4,591.67	1/4	4,931.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,574.19	1/2	3,916.25	1/2	4,258.26	1/2	4,598.77	1/2	4,938.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,581.32	3/4	3,923.38	3/4	4,265.35	3/4	4,605.86	3/4	4,945.25	3/4		3/4		3/4		3/4		3/4	
8	3,588.44	8	3,930.50	8	4,272.45	8	4,612.95	8	4,952.23	8		8		8		8		8	
1/4	3,595.56	1/4	3,937.63	1/4	4,279.54	1/4	4,620.05	1/4	4,958.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,602.69	1/2	3,944.76	1/2	4,286.63	1/2	4,627.14	1/2	4,964.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,609.81	3/4	3,951.88	3/4	4,293.73	3/4	4,634.23	3/4	4,970.70	3/4		3/4		3/4		3/4		3/4	
9	3,616.94	9	3,959.01	9	4,300.82	9	4,641.33	9	4,976.86	9		9		9		9		9	
1/4	3,624.06	1/4	3,966.14	1/4	4,307.92	1/4	4,648.42	1/4	4,981.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,631.19	1/2	3,973.26	1/2	4,315.01	1/2	4,655.52	1/2	4,986.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,638.32	3/4	3,980.39	3/4	4,322.10	3/4	4,662.61	3/4	4,991.77	3/4		3/4		3/4		3/4		3/4	
10	3,645.44	10	3,987.52	10	4,329.20	10	4,669.70	10	4,996.74	10		10		10		10		10	
1/4	3,652.57	1/4	3,994.64	1/4	4,336.29	1/4	4,676.80	1/4	5,000.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,659.70	1/2	4,001.77	1/2	4,343.38	1/2	4,683.89	1/2	5,004.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,666.82	3/4	4,008.90	3/4	4,350.48	3/4	4,690.99	3/4	5,008.09	3/4		3/4		3/4		3/4		3/4	
11	3,673.95	11	4,016.02	11	4,357.57	11	4,698.08	11	5,011.87	11		11		11		11		11	
1/4	3,681.08	1/4	4,023.15	1/4	4,364.67	1/4	4,705.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.20	1/2	4,030.28	1/2	4,371.76	1/2	4,712.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.33	3/4	4,037.40	3/4	4,378.85	3/4	4,719.36	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

2 PORT

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	14.66	0	343.27	0	686.38	0	1,019.79	0	1,358.12	0	1,701.24	0	2,044.36	0	2,387.48	0	2,730.59	0	3,073.70
1/4	19.13	1/4	350.42	1/4	693.52	1/4	1,026.63	1/4	1,365.27	1/4	1,708.39	1/4	2,051.51	1/4	2,394.62	1/4	2,737.74	1/4	3,080.85
1/2	23.60	1/2	357.57	1/2	700.67	1/2	1,033.47	1/2	1,372.42	1/2	1,715.54	1/2	2,058.65	1/2	2,401.77	1/2	2,744.89	1/2	3,088.00
3/4	28.06	3/4	364.72	3/4	707.82	3/4	1,040.31	3/4	1,379.57	3/4	1,722.68	3/4	2,065.80	3/4	2,408.92	3/4	2,752.04	3/4	3,095.14
1	32.53	1	371.86	1	714.97	1	1,047.15	1	1,386.71	1	1,729.83	1	2,072.95	1	2,416.07	1	2,759.19	1	3,102.29
1/4	38.78	1/4	379.01	1/4	722.12	1/4	1,053.99	1/4	1,393.86	1/4	1,736.98	1/4	2,080.10	1/4	2,423.22	1/4	2,766.34	1/4	3,109.44
1/2	45.04	1/2	386.16	1/2	729.26	1/2	1,060.83	1/2	1,401.01	1/2	1,744.13	1/2	2,087.25	1/2	2,430.37	1/2	2,773.48	1/2	3,116.58
3/4	51.29	3/4	393.31	3/4	736.41	3/4	1,067.67	3/4	1,408.16	3/4	1,751.28	3/4	2,094.40	3/4	2,437.51	3/4	2,780.63	3/4	3,123.73
2	57.54	2	400.46	2	743.56	2	1,074.51	2	1,415.31	2	1,758.43	2	2,101.54	2	2,444.66	2	2,787.78	2	3,130.87
1/4	64.66	1/4	407.60	1/4	750.71	1/4	1,081.36	1/4	1,422.46	1/4	1,765.57	1/4	2,108.69	1/4	2,451.81	1/4	2,794.93	1/4	3,138.02
1/2	71.77	1/2	414.75	1/2	757.86	1/2	1,088.21	1/2	1,429.60	1/2	1,772.72	1/2	2,115.84	1/2	2,458.96	1/2	2,802.08	1/2	3,145.17
3/4	78.88	3/4	421.90	3/4	765.00	3/4	1,095.06	3/4	1,436.75	3/4	1,779.87	3/4	2,122.99	3/4	2,466.11	3/4	2,809.23	3/4	3,152.31
3	85.99	3	429.05	3	772.15	3	1,101.91	3	1,443.90	3	1,787.02	3	2,130.14	3	2,473.26	3	2,816.37	3	3,159.46
1/4	93.13	1/4	436.20	1/4	779.30	1/4	1,108.78	1/4	1,451.05	1/4	1,794.17	1/4	2,137.29	1/4	2,480.40	1/4	2,823.52	1/4	3,166.61
1/2	100.27	1/2	443.34	1/2	786.45	1/2	1,115.64	1/2	1,458.20	1/2	1,801.32	1/2	2,144.43	1/2	2,487.55	1/2	2,830.67	1/2	3,173.75
3/4	107.40	3/4	450.49	3/4	793.60	3/4	1,122.51	3/4	1,465.35	3/4	1,808.46	3/4	2,151.58	3/4	2,494.70	3/4	2,837.82	3/4	3,180.90
4	114.54	4	457.64	4	800.74	4	1,129.38	4	1,472.49	4	1,815.61	4	2,158.73	4	2,501.85	4	2,844.97	4	3,188.05
1/4	121.69	1/4	464.79	1/4	807.61	1/4	1,136.52	1/4	1,479.64	1/4	1,822.76	1/4	2,165.88	1/4	2,509.00	1/4	2,852.12	1/4	3,195.19
1/2	128.83	1/2	471.94	1/2	814.48	1/2	1,143.67	1/2	1,486.79	1/2	1,829.91	1/2	2,173.03	1/2	2,516.15	1/2	2,859.26	1/2	3,202.34
3/4	135.98	3/4	479.08	3/4	821.35	3/4	1,150.82	3/4	1,493.94	3/4	1,837.06	3/4	2,180.18	3/4	2,523.29	3/4	2,866.41	3/4	3,209.48
5	143.13	5	486.23	5	828.21	5	1,157.97	5	1,501.09	5	1,844.21	5	2,187.32	5	2,530.44	5	2,873.56	5	3,216.63
1/4	150.28	1/4	493.38	1/4	835.06	1/4	1,165.12	1/4	1,508.23	1/4	1,851.35	1/4	2,194.47	1/4	2,537.59	1/4	2,880.71	1/4	3,223.78
1/2	157.42	1/2	500.53	1/2	841.91	1/2	1,172.26	1/2	1,515.38	1/2	1,858.50	1/2	2,201.62	1/2	2,544.74	1/2	2,887.86	1/2	3,230.92
3/4	164.57	3/4	507.68	3/4	848.76	3/4	1,179.41	3/4	1,522.53	3/4	1,865.65	3/4	2,208.77	3/4	2,551.89	3/4	2,895.01	3/4	3,238.07
6	171.72	6	514.82	6	855.61	6	1,186.56	6	1,529.68	6	1,872.80	6	2,215.92	6	2,559.04	6	2,902.15	6	3,245.22
1/4	178.87	1/4	521.97	1/4	862.45	1/4	1,193.71	1/4	1,536.83	1/4	1,879.95	1/4	2,223.06	1/4	2,566.18	1/4	2,909.30	1/4	3,252.36
1/2	186.02	1/2	529.12	1/2	869.29	1/2	1,200.86	1/2	1,543.98	1/2	1,887.09	1/2	2,230.21	1/2	2,573.33	1/2	2,916.45	1/2	3,259.51
3/4	193.16	3/4	536.27	3/4	876.13	3/4	1,208.01	3/4	1,551.12	3/4	1,894.24	3/4	2,237.36	3/4	2,580.48	3/4	2,923.60	3/4	3,266.65
7	200.31	7	543.42	7	882.97	7	1,215.15	7	1,558.27	7	1,901.39	7	2,244.51	7	2,587.63	7	2,930.75	7	3,273.80
1/4	207.46	1/4	550.56	1/4	889.81	1/4	1,222.30	1/4	1,565.42	1/4	1,908.54	1/4	2,251.66	1/4	2,594.78	1/4	2,937.89	1/4	3,280.95
1/2	214.61	1/2	557.71	1/2	896.65	1/2	1,229.45	1/2	1,572.57	1/2	1,915.69	1/2	2,258.81	1/2	2,601.92	1/2	2,945.04	1/2	3,288.09
3/4	221.76	3/4	564.86	3/4	903.49	3/4	1,236.60	3/4	1,579.72	3/4	1,922.84	3/4	2,265.95	3/4	2,609.07	3/4	2,952.19	3/4	3,295.24
8	228.90	8	572.01	8	910.33	8	1,243.75	8	1,586.87	8	1,929.98	8	2,273.10	8	2,616.22	8	2,959.34	8	3,302.39
1/4	236.05	1/4	579.16	1/4	917.17	1/4	1,250.90	1/4	1,594.01	1/4	1,937.13	1/4	2,280.25	1/4	2,623.37	1/4	2,966.49	1/4	3,309.53
1/2	243.20	1/2	586.30	1/2	924.02	1/2	1,258.04	1/2	1,601.16	1/2	1,944.28	1/2	2,287.40	1/2	2,630.52	1/2	2,973.64	1/2	3,316.68
3/4	250.35	3/4	593.45	3/4	930.86	3/4	1,265.19	3/4	1,608.31	3/4	1,951.43	3/4	2,294.55	3/4	2,637.67	3/4	2,980.78	3/4	3,323.83
9	257.50	9	600.60	9	937.70	9	1,272.34	9	1,615.46	9	1,958.58	9	2,301.70	9	2,644.81	9	2,987.93	9	3,330.97
1/4	264.64	1/4	607.75	1/4	944.54	1/4	1,279.49	1/4	1,622.61	1/4	1,965.73	1/4	2,308.84	1/4	2,651.96	1/4	2,995.08	1/4	3,338.12
1/2	271.79	1/2	614.90	1/2	951.38	1/2	1,286.64	1/2	1,629.76	1/2	1,972.87	1/2	2,315.99	1/2	2,659.11	1/2	3,002.23	1/2	3,345.26
3/4	278.94	3/4	622.04	3/4	958.22	3/4	1,293.79	3/4	1,636.90	3/4	1,980.02	3/4	2,323.14	3/4	2,666.26	3/4	3,009.38	3/4	3,352.41
10	286.09	10	629.19	10	965.06	10	1,300.93	10	1,644.05	10	1,987.17	10	2,330.29	10	2,673.41	10	3,016.53	10	3,359.56
1/4	293.24	1/4	636.34	1/4	971.90	1/4	1,308.08	1/4	1,651.20	1/4	1,994.32	1/4	2,337.44	1/4	2,680.56	1/4	3,023.67	1/4	3,366.70
1/2	300.38	1/2	643.49	1/2	978.74	1/2	1,315.23	1/2	1,658.35	1/2	2,001.47	1/2	2,344.59	1/2	2,687.70	1/2	3,030.82	1/2	3,373.85
3/4	307.53	3/4	650.64	3/4	985.58	3/4	1,322.38	3/4	1,665.50	3/4	2,008.62	3/4	2,351.73	3/4	2,694.85	3/4	3,037.97	3/4	3,381.00
11	314.68	11	657.78	11	992.42	11	1,329.53	11	1,672.65	11	2,015.76	11	2,358.88	11	2,702.00	11	3,045.12	11	3,388.14
1/4	321.83	1/4	664.93	1/4	999.26	1/4	1,336.68	1/4	1,679.79	1/4	2,022.91	1/4	2,366.03	1/4	2,709.15	1/4	3,052.27	1/4	3,395.29
1/2	328.98	1/2	672.08	1/2	1,006.11	1/2	1,343.82	1/2	1,686.94	1/2	2,030.06	1/2	2,373.18	1/2	2,716.30	1/2	3,059.41	1/2	3,402.43
3/4	336.12	3/4	679.23	3/4	1,012.95	3/4	1,350.97	3/4	1,694.09	3/4	2,037.21	3/4	2,380.33	3/4	2,723.45	3/4	3,066.56	3/4	3,409.58

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 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

2 PORT

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	3,416.73	0	3,759.75	0	4,102.77	0	4,445.14	0	4,786.60	0		0		0		0		0	
1/4	3,423.87	1/4	3,766.90	1/4	4,109.92	1/4	4,452.26	1/4	4,793.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,431.02	1/2	3,774.04	1/2	4,117.06	1/2	4,459.37	1/2	4,800.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,438.17	3/4	3,781.19	3/4	4,124.21	3/4	4,466.48	3/4	4,807.94	3/4		3/4		3/4		3/4		3/4	
1	3,445.31	1	3,788.33	1	4,131.36	1	4,473.60	1	4,815.05	1		1		1		1		1	
1/4	3,452.46	1/4	3,795.48	1/4	4,138.50	1/4	4,480.71	1/4	4,822.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,459.60	1/2	3,802.63	1/2	4,145.65	1/2	4,487.82	1/2	4,829.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,466.75	3/4	3,809.77	3/4	4,152.80	3/4	4,494.94	3/4	4,836.40	3/4		3/4		3/4		3/4		3/4	
2	3,473.90	2	3,816.92	2	4,159.94	2	4,502.05	2	4,843.51	2		2		2		2		2	
1/4	3,481.04	1/4	3,824.07	1/4	4,167.09	1/4	4,509.17	1/4	4,850.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,488.19	1/2	3,831.21	1/2	4,174.23	1/2	4,516.28	1/2	4,857.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,495.34	3/4	3,838.36	3/4	4,181.38	3/4	4,523.39	3/4	4,864.85	3/4		3/4		3/4		3/4		3/4	
3	3,502.48	3	3,845.50	3	4,188.53	3	4,530.51	3	4,871.96	3		3		3		3		3	
1/4	3,509.63	1/4	3,852.65	1/4	4,195.67	1/4	4,537.62	1/4	4,879.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,516.78	1/2	3,859.80	1/2	4,202.82	1/2	4,544.73	1/2	4,886.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,523.92	3/4	3,866.94	3/4	4,209.97	3/4	4,551.85	3/4	4,893.17	3/4		3/4		3/4		3/4		3/4	
4	3,531.07	4	3,874.09	4	4,217.11	4	4,558.96	4	4,900.24	4		4		4		4		4	
1/4	3,538.21	1/4	3,881.24	1/4	4,224.26	1/4	4,566.08	1/4	4,907.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,545.36	1/2	3,888.38	1/2	4,231.41	1/2	4,573.19	1/2	4,914.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,552.51	3/4	3,895.53	3/4	4,238.55	3/4	4,580.30	3/4	4,921.45	3/4		3/4		3/4		3/4		3/4	
5	3,559.65	5	3,902.68	5	4,245.70	5	4,587.42	5	4,928.51	5		5		5		5		5	
1/4	3,566.80	1/4	3,909.82	1/4	4,252.84	1/4	4,594.53	1/4	4,935.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.95	1/2	3,916.97	1/2	4,259.99	1/2	4,601.64	1/2	4,942.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,581.09	3/4	3,924.11	3/4	4,267.14	3/4	4,608.76	3/4	4,949.71	3/4		3/4		3/4		3/4		3/4	
6	3,588.24	6	3,931.26	6	4,274.28	6	4,615.87	6	4,956.78	6		6		6		6		6	
1/4	3,595.38	1/4	3,938.41	1/4	4,281.43	1/4	4,622.98	1/4	4,963.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,602.53	1/2	3,945.55	1/2	4,288.58	1/2	4,630.10	1/2	4,970.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,609.68	3/4	3,952.70	3/4	4,295.72	3/4	4,637.21	3/4	4,977.94	3/4		3/4		3/4		3/4		3/4	
7	3,616.82	7	3,959.85	7	4,302.87	7	4,644.33	7	4,984.99	7		7		7		7		7	
1/4	3,623.97	1/4	3,966.99	1/4	4,309.98	1/4	4,651.44	1/4	4,991.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,631.12	1/2	3,974.14	1/2	4,317.10	1/2	4,658.55	1/2	4,998.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,638.26	3/4	3,981.28	3/4	4,324.21	3/4	4,665.67	3/4	5,005.99	3/4		3/4		3/4		3/4		3/4	
8	3,645.41	8	3,988.43	8	4,331.32	8	4,672.78	8	5,012.99	8		8		8		8		8	
1/4	3,652.55	1/4	3,995.58	1/4	4,338.44	1/4	4,679.89	1/4	5,019.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,659.70	1/2	4,002.72	1/2	4,345.55	1/2	4,687.01	1/2	5,025.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,666.85	3/4	4,009.87	3/4	4,352.66	3/4	4,694.12	3/4	5,031.52	3/4		3/4		3/4		3/4		3/4	
9	3,673.99	9	4,017.02	9	4,359.78	9	4,701.24	9	5,037.70	9		9		9		9		9	
1/4	3,681.14	1/4	4,024.16	1/4	4,366.89	1/4	4,708.35	1/4	5,042.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,688.29	1/2	4,031.31	1/2	4,374.01	1/2	4,715.46	1/2	5,047.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,695.43	3/4	4,038.46	3/4	4,381.12	3/4	4,722.58	3/4	5,052.65	3/4		3/4		3/4		3/4		3/4	
10	3,702.58	10	4,045.60	10	4,388.23	10	4,729.69	10	5,057.63	10		10		10		10		10	
1/4	3,709.73	1/4	4,052.75	1/4	4,395.35	1/4	4,736.80	1/4	5,061.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,716.87	1/2	4,059.89	1/2	4,402.46	1/2	4,743.92	1/2	5,065.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,724.02	3/4	4,067.04	3/4	4,409.57	3/4	4,751.03	3/4	5,069.01	3/4		3/4		3/4		3/4		3/4	
11	3,731.16	11	4,074.19	11	4,416.69	11	4,758.14	11	5,072.80	11		11		11		11		11	
1/4	3,738.31	1/4	4,081.33	1/4	4,423.80	1/4	4,765.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.46	1/2	4,088.48	1/2	4,430.91	1/2	4,772.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,752.60	3/4	4,095.63	3/4	4,438.03	3/4	4,779.49	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

2 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	14.68	0	343.68	0	687.19	0	1,030.36	0	1,373.75	0	1,717.27	0	2,060.80	0	2,404.33	0	2,747.85	0	3,091.37
1/4	19.15	1/4	350.84	1/4	694.35	1/4	1,037.50	1/4	1,380.90	1/4	1,724.43	1/4	2,067.96	1/4	2,411.48	1/4	2,755.01	1/4	3,098.53
1/2	23.62	1/2	357.99	1/2	701.51	1/2	1,044.64	1/2	1,388.06	1/2	1,731.59	1/2	2,075.11	1/2	2,418.64	1/2	2,762.17	1/2	3,105.68
3/4	28.10	3/4	365.15	3/4	708.66	3/4	1,051.78	3/4	1,395.22	3/4	1,738.74	3/4	2,082.27	3/4	2,425.80	3/4	2,769.32	3/4	3,112.84
1	32.57	1	372.31	1	715.82	1	1,058.93	1	1,402.37	1	1,745.90	1	2,089.43	1	2,432.95	1	2,776.48	1	3,119.99
1/4	38.83	1/4	379.46	1/4	722.98	1/4	1,066.07	1/4	1,409.53	1/4	1,753.06	1/4	2,096.58	1/4	2,440.11	1/4	2,783.64	1/4	3,127.14
1/2	45.09	1/2	386.62	1/2	730.13	1/2	1,073.21	1/2	1,416.69	1/2	1,760.21	1/2	2,103.74	1/2	2,447.27	1/2	2,790.79	1/2	3,134.30
3/4	51.35	3/4	393.78	3/4	737.29	3/4	1,080.36	3/4	1,423.84	3/4	1,767.37	3/4	2,110.90	3/4	2,454.42	3/4	2,797.95	3/4	3,141.45
2	57.61	2	400.93	2	744.44	2	1,087.50	2	1,431.00	2	1,774.53	2	2,118.05	2	2,461.58	2	2,805.11	2	3,148.61
1/4	64.73	1/4	408.09	1/4	751.60	1/4	1,094.65	1/4	1,438.16	1/4	1,781.68	1/4	2,125.21	1/4	2,468.74	1/4	2,812.26	1/4	3,155.76
1/2	71.85	1/2	415.25	1/2	758.76	1/2	1,101.80	1/2	1,445.31	1/2	1,788.84	1/2	2,132.37	1/2	2,475.89	1/2	2,819.42	1/2	3,162.92
3/4	78.97	3/4	422.40	3/4	765.91	3/4	1,108.95	3/4	1,452.47	3/4	1,796.00	3/4	2,139.52	3/4	2,483.05	3/4	2,826.58	3/4	3,170.07
3	86.09	3	429.56	3	773.07	3	1,116.10	3	1,459.63	3	1,803.15	3	2,146.68	3	2,490.21	3	2,833.73	3	3,177.23
1/4	93.24	1/4	436.72	1/4	780.23	1/4	1,123.26	1/4	1,466.79	1/4	1,810.31	1/4	2,153.84	1/4	2,497.36	1/4	2,840.89	1/4	3,184.38
1/2	100.39	1/2	443.87	1/2	787.38	1/2	1,130.42	1/2	1,473.94	1/2	1,817.47	1/2	2,160.99	1/2	2,504.52	1/2	2,848.05	1/2	3,191.54
3/4	107.53	3/4	451.03	3/4	794.54	3/4	1,137.57	3/4	1,481.10	3/4	1,824.63	3/4	2,168.15	3/4	2,511.68	3/4	2,855.20	3/4	3,198.69
4	114.68	4	458.18	4	801.70	4	1,144.73	4	1,488.26	4	1,831.78	4	2,175.31	4	2,518.83	4	2,862.36	4	3,205.85
1/4	121.83	1/4	465.34	1/4	808.85	1/4	1,151.89	1/4	1,495.41	1/4	1,838.94	1/4	2,182.47	1/4	2,525.99	1/4	2,869.52	1/4	3,213.00
1/2	128.99	1/2	472.50	1/2	816.01	1/2	1,159.04	1/2	1,502.57	1/2	1,846.10	1/2	2,189.62	1/2	2,533.15	1/2	2,876.67	1/2	3,220.16
3/4	136.14	3/4	479.65	3/4	823.17	3/4	1,166.20	3/4	1,509.73	3/4	1,853.25	3/4	2,196.78	3/4	2,540.31	3/4	2,883.83	3/4	3,227.31
5	143.30	5	486.81	5	830.32	5	1,173.36	5	1,516.88	5	1,860.41	5	2,203.94	5	2,547.46	5	2,890.99	5	3,234.47
1/4	150.46	1/4	493.97	1/4	837.48	1/4	1,180.51	1/4	1,524.04	1/4	1,867.57	1/4	2,211.09	1/4	2,554.62	1/4	2,898.15	1/4	3,241.62
1/2	157.61	1/2	501.12	1/2	844.63	1/2	1,187.67	1/2	1,531.20	1/2	1,874.72	1/2	2,218.25	1/2	2,561.78	1/2	2,905.30	1/2	3,248.78
3/4	164.77	3/4	508.28	3/4	851.78	3/4	1,194.83	3/4	1,538.35	3/4	1,881.88	3/4	2,225.41	3/4	2,568.93	3/4	2,912.46	3/4	3,255.93
6	171.92	6	515.44	6	858.93	6	1,201.98	6	1,545.51	6	1,889.04	6	2,232.56	6	2,576.09	6	2,919.62	6	3,263.09
1/4	179.08	1/4	522.59	1/4	866.08	1/4	1,209.14	1/4	1,552.67	1/4	1,896.19	1/4	2,239.72	1/4	2,583.25	1/4	2,926.77	1/4	3,270.24
1/2	186.24	1/2	529.75	1/2	873.22	1/2	1,216.30	1/2	1,559.82	1/2	1,903.35	1/2	2,246.88	1/2	2,590.40	1/2	2,933.93	1/2	3,277.40
3/4	193.39	3/4	536.91	3/4	880.36	3/4	1,223.45	3/4	1,566.98	3/4	1,910.51	3/4	2,254.03	3/4	2,597.56	3/4	2,941.09	3/4	3,284.55
7	200.55	7	544.06	7	887.50	7	1,230.61	7	1,574.14	7	1,917.66	7	2,261.19	7	2,604.72	7	2,948.24	7	3,291.71
1/4	207.71	1/4	551.22	1/4	894.65	1/4	1,237.77	1/4	1,581.29	1/4	1,924.82	1/4	2,268.35	1/4	2,611.87	1/4	2,955.40	1/4	3,298.86
1/2	214.86	1/2	558.38	1/2	901.79	1/2	1,244.92	1/2	1,588.45	1/2	1,931.98	1/2	2,275.50	1/2	2,619.03	1/2	2,962.56	1/2	3,306.01
3/4	222.02	3/4	565.53	3/4	908.93	3/4	1,252.08	3/4	1,595.61	3/4	1,939.13	3/4	2,282.66	3/4	2,626.19	3/4	2,969.71	3/4	3,313.17
8	229.18	8	572.69	8	916.07	8	1,259.24	8	1,602.76	8	1,946.29	8	2,289.82	8	2,633.34	8	2,976.87	8	3,320.32
1/4	236.33	1/4	579.85	1/4	923.22	1/4	1,266.39	1/4	1,609.92	1/4	1,953.45	1/4	2,296.97	1/4	2,640.50	1/4	2,984.03	1/4	3,327.48
1/2	243.49	1/2	587.00	1/2	930.36	1/2	1,273.55	1/2	1,617.08	1/2	1,960.60	1/2	2,304.13	1/2	2,647.66	1/2	2,991.18	1/2	3,334.63
3/4	250.65	3/4	594.16	3/4	937.50	3/4	1,280.71	3/4	1,624.23	3/4	1,967.76	3/4	2,311.29	3/4	2,654.81	3/4	2,998.34	3/4	3,341.79
9	257.80	9	601.31	9	944.64	9	1,287.87	9	1,631.39	9	1,974.92	9	2,318.44	9	2,661.97	9	3,005.50	9	3,348.94
1/4	264.96	1/4	608.47	1/4	951.79	1/4	1,295.02	1/4	1,638.55	1/4	1,982.07	1/4	2,325.60	1/4	2,669.13	1/4	3,012.65	1/4	3,356.10
1/2	272.12	1/2	615.63	1/2	958.93	1/2	1,302.18	1/2	1,645.71	1/2	1,989.23	1/2	2,332.76	1/2	2,676.28	1/2	3,019.81	1/2	3,363.25
3/4	279.27	3/4	622.78	3/4	966.07	3/4	1,309.34	3/4	1,652.86	3/4	1,996.39	3/4	2,339.91	3/4	2,683.44	3/4	3,026.97	3/4	3,370.41
10	286.43	10	629.94	10	973.21	10	1,316.49	10	1,660.02	10	2,003.55	10	2,347.07	10	2,690.60	10	3,034.12	10	3,377.56
1/4	293.59	1/4	637.10	1/4	980.36	1/4	1,323.65	1/4	1,667.18	1/4	2,010.70	1/4	2,354.23	1/4	2,697.75	1/4	3,041.28	1/4	3,384.72
1/2	300.74	1/2	644.25	1/2	987.50	1/2	1,330.81	1/2	1,674.33	1/2	2,017.86	1/2	2,361.39	1/2	2,704.91	1/2	3,048.44	1/2	3,391.87
3/4	307.90	3/4	651.41	3/4	994.64	3/4	1,337.96	3/4	1,681.49	3/4	2,025.02	3/4	2,368.54	3/4	2,712.07	3/4	3,055.59	3/4	3,399.03
11	315.05	11	658.57	11	1,001.79	11	1,345.12	11	1,688.65	11	2,032.17	11	2,375.70	11	2,719.23	11	3,062.75	11	3,406.18
1/4	322.21	1/4	665.72	1/4	1,008.93	1/4	1,352.28	1/4	1,695.80	1/4	2,039.33	1/4	2,382.86	1/4	2,726.38	1/4	3,069.91	1/4	3,413.34
1/2	329.37	1/2	672.88	1/2	1,016.07	1/2	1,359.43	1/2	1,702.96	1/2	2,046.49	1/2	2,390.01	1/2	2,733.54	1/2	3,077.06	1/2	3,420.49
3/4	336.52	3/4	680.04	3/4	1,023.21	3/4	1,366.59	3/4	1,710.12	3/4	2,053.64	3/4	2,397.17	3/4	2,740.70	3/4	3,084.22	3/4	3,427.65

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 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

2 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	3,434.80	0	3,778.26	0	4,121.78	0	4,464.65	0	4,806.61	0		0		0		0		0	
1/4	3,441.96	1/4	3,785.41	1/4	4,128.94	1/4	4,471.78	1/4	4,813.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,449.11	1/2	3,792.57	1/2	4,136.10	1/2	4,478.90	1/2	4,820.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,456.27	3/4	3,799.73	3/4	4,143.25	3/4	4,486.03	3/4	4,827.98	3/4		3/4		3/4		3/4		3/4	
1	3,463.42	1	3,806.88	1	4,150.41	1	4,493.15	1	4,835.11	1		1		1		1		1	
1/4	3,470.58	1/4	3,814.04	1/4	4,157.57	1/4	4,500.27	1/4	4,842.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,477.73	1/2	3,821.20	1/2	4,164.72	1/2	4,507.40	1/2	4,849.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,484.88	3/4	3,828.35	3/4	4,171.88	3/4	4,514.52	3/4	4,856.48	3/4		3/4		3/4		3/4		3/4	
2	3,492.04	2	3,835.51	2	4,179.04	2	4,521.65	2	4,863.60	2		2		2		2		2	
1/4	3,499.19	1/4	3,842.67	1/4	4,186.19	1/4	4,528.77	1/4	4,870.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,506.35	1/2	3,849.82	1/2	4,193.35	1/2	4,535.90	1/2	4,877.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,513.50	3/4	3,856.98	3/4	4,200.51	3/4	4,543.02	3/4	4,884.98	3/4		3/4		3/4		3/4		3/4	
3	3,520.66	3	3,864.14	3	4,207.66	3	4,550.14	3	4,892.10	3		3		3		3		3	
1/4	3,527.81	1/4	3,871.29	1/4	4,214.82	1/4	4,557.27	1/4	4,899.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,534.97	1/2	3,878.45	1/2	4,221.98	1/2	4,564.39	1/2	4,906.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.12	3/4	3,885.61	3/4	4,229.13	3/4	4,571.52	3/4	4,913.34	3/4		3/4		3/4		3/4		3/4	
4	3,549.28	4	3,892.76	4	4,236.29	4	4,578.64	4	4,920.42	4		4		4		4		4	
1/4	3,556.43	1/4	3,899.92	1/4	4,243.45	1/4	4,585.76	1/4	4,927.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,563.59	1/2	3,907.08	1/2	4,250.60	1/2	4,592.89	1/2	4,934.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,570.74	3/4	3,914.23	3/4	4,257.76	3/4	4,600.01	3/4	4,941.65	3/4		3/4		3/4		3/4		3/4	
5	3,577.90	5	3,921.39	5	4,264.92	5	4,607.14	5	4,948.73	5		5		5		5		5	
1/4	3,585.05	1/4	3,928.55	1/4	4,272.07	1/4	4,614.26	1/4	4,955.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,592.21	1/2	3,935.71	1/2	4,279.23	1/2	4,621.38	1/2	4,962.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,599.36	3/4	3,942.86	3/4	4,286.39	3/4	4,628.51	3/4	4,969.97	3/4		3/4		3/4		3/4		3/4	
6	3,606.52	6	3,950.02	6	4,293.55	6	4,635.63	6	4,977.04	6		6		6		6		6	
1/4	3,613.67	1/4	3,957.18	1/4	4,300.70	1/4	4,642.76	1/4	4,984.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,620.83	1/2	3,964.33	1/2	4,307.86	1/2	4,649.88	1/2	4,991.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,627.98	3/4	3,971.49	3/4	4,315.02	3/4	4,657.00	3/4	4,998.24	3/4		3/4		3/4		3/4		3/4	
7	3,635.14	7	3,978.65	7	4,322.17	7	4,664.13	7	5,005.30	7		7		7		7		7	
1/4	3,642.29	1/4	3,985.80	1/4	4,329.30	1/4	4,671.25	1/4	5,012.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,649.45	1/2	3,992.96	1/2	4,336.42	1/2	4,678.38	1/2	5,019.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,656.60	3/4	4,000.12	3/4	4,343.54	3/4	4,685.50	3/4	5,026.33	3/4		3/4		3/4		3/4		3/4	
8	3,663.75	8	4,007.27	8	4,350.67	8	4,692.63	8	5,033.34	8		8		8		8		8	
1/4	3,670.91	1/4	4,014.43	1/4	4,357.79	1/4	4,699.75	1/4	5,039.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,678.06	1/2	4,021.59	1/2	4,364.92	1/2	4,706.87	1/2	5,045.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,685.22	3/4	4,028.74	3/4	4,372.04	3/4	4,714.00	3/4	5,051.90	3/4		3/4		3/4		3/4		3/4	
9	3,692.37	9	4,035.90	9	4,379.17	9	4,721.12	9	5,058.08	9		9		9		9		9	
1/4	3,699.53	1/4	4,043.06	1/4	4,386.29	1/4	4,728.25	1/4	5,063.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,706.69	1/2	4,050.21	1/2	4,393.41	1/2	4,735.37	1/2	5,068.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,713.84	3/4	4,057.37	3/4	4,400.54	3/4	4,742.49	3/4	5,073.06	3/4		3/4		3/4		3/4		3/4	
10	3,721.00	10	4,064.53	10	4,407.66	10	4,749.62	10	5,078.05	10		10		10		10		10	
1/4	3,728.16	1/4	4,071.68	1/4	4,414.79	1/4	4,756.74	1/4	5,081.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,735.31	1/2	4,078.84	1/2	4,421.91	1/2	4,763.87	1/2	5,085.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,742.47	3/4	4,086.00	3/4	4,429.03	3/4	4,770.99	3/4	5,089.44	3/4		3/4		3/4		3/4		3/4	
11	3,749.63	11	4,093.15	11	4,436.16	11	4,778.11	11	5,093.24	11		11		11		11		11	
1/4	3,756.79	1/4	4,100.31	1/4	4,443.28	1/4	4,785.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,763.94	1/2	4,107.47	1/2	4,450.41	1/2	4,792.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,771.10	3/4	4,114.63	3/4	4,457.53	3/4	4,799.49	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

3 PORT

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	14.58	0	341.42	0	682.17	0	1,013.30	0	1,349.35	0	1,689.99	0	2,030.64	0	2,371.28	0	2,711.88	0	3,052.65
1/4	19.03	1/4	348.53	1/4	689.27	1/4	1,020.09	1/4	1,356.45	1/4	1,697.09	1/4	2,037.73	1/4	2,378.37	1/4	2,718.98	1/4	3,059.74
1/2	23.47	1/2	355.64	1/2	696.37	1/2	1,026.88	1/2	1,363.55	1/2	1,704.19	1/2	2,044.83	1/2	2,385.47	1/2	2,726.08	1/2	3,066.83
3/4	27.91	3/4	362.75	3/4	703.47	3/4	1,033.67	3/4	1,370.64	3/4	1,711.28	3/4	2,051.93	3/4	2,392.57	3/4	2,733.17	3/4	3,073.93
1	32.36	1	369.86	1	710.57	1	1,040.46	1	1,377.74	1	1,718.38	1	2,059.02	1	2,399.66	1	2,740.27	1	3,081.02
1/4	38.58	1/4	376.96	1/4	717.66	1/4	1,047.25	1/4	1,384.84	1/4	1,725.48	1/4	2,066.12	1/4	2,406.76	1/4	2,747.36	1/4	3,088.11
1/2	44.80	1/2	384.06	1/2	724.76	1/2	1,054.03	1/2	1,391.93	1/2	1,732.57	1/2	2,073.22	1/2	2,413.86	1/2	2,754.46	1/2	3,095.20
3/4	51.02	3/4	391.16	3/4	731.86	3/4	1,060.82	3/4	1,399.03	3/4	1,739.67	3/4	2,080.31	3/4	2,420.95	3/4	2,761.55	3/4	3,102.29
2	57.24	2	398.25	2	738.96	2	1,067.61	2	1,406.13	2	1,746.77	2	2,087.41	2	2,428.05	2	2,768.65	2	3,109.38
1/4	64.31	1/4	405.35	1/4	746.06	1/4	1,074.41	1/4	1,413.22	1/4	1,753.86	1/4	2,094.51	1/4	2,435.15	1/4	2,775.74	1/4	3,116.46
1/2	71.38	1/2	412.45	1/2	753.15	1/2	1,081.20	1/2	1,420.32	1/2	1,760.96	1/2	2,101.60	1/2	2,442.24	1/2	2,782.84	1/2	3,123.53
3/4	78.46	3/4	419.55	3/4	760.25	3/4	1,088.00	3/4	1,427.42	3/4	1,768.06	3/4	2,108.70	3/4	2,449.34	3/4	2,789.94	3/4	3,130.61
3	85.53	3	426.65	3	767.35	3	1,094.80	3	1,434.51	3	1,775.16	3	2,115.80	3	2,456.44	3	2,797.03	3	3,137.68
1/4	92.63	1/4	433.74	1/4	774.45	1/4	1,101.66	1/4	1,441.61	1/4	1,782.25	1/4	2,122.89	1/4	2,463.53	1/4	2,804.13	1/4	3,144.76
1/2	99.73	1/2	440.84	1/2	781.55	1/2	1,108.53	1/2	1,448.71	1/2	1,789.35	1/2	2,129.99	1/2	2,470.63	1/2	2,811.22	1/2	3,151.83
3/4	106.83	3/4	447.94	3/4	788.64	3/4	1,115.39	3/4	1,455.80	3/4	1,796.45	3/4	2,137.09	3/4	2,477.73	3/4	2,818.32	3/4	3,158.91
4	113.93	4	455.04	4	795.74	4	1,122.26	4	1,462.90	4	1,803.54	4	2,144.18	4	2,484.83	4	2,825.41	4	3,165.98
1/4	121.03	1/4	462.14	1/4	802.61	1/4	1,129.36	1/4	1,470.00	1/4	1,810.64	1/4	2,151.28	1/4	2,491.92	1/4	2,832.51	1/4	3,173.05
1/2	128.14	1/2	469.23	1/2	809.47	1/2	1,136.45	1/2	1,477.09	1/2	1,817.74	1/2	2,158.38	1/2	2,499.02	1/2	2,839.61	1/2	3,180.13
3/4	135.25	3/4	476.33	3/4	816.34	3/4	1,143.55	3/4	1,484.19	3/4	1,824.83	3/4	2,165.47	3/4	2,506.11	3/4	2,846.70	3/4	3,187.20
5	142.36	5	483.43	5	823.21	5	1,150.65	5	1,491.29	5	1,831.93	5	2,172.57	5	2,513.21	5	2,853.80	5	3,194.28
1/4	149.47	1/4	490.53	1/4	830.00	1/4	1,157.74	1/4	1,498.38	1/4	1,839.03	1/4	2,179.67	1/4	2,520.30	1/4	2,860.89	1/4	3,201.35
1/2	156.58	1/2	497.63	1/2	836.80	1/2	1,164.84	1/2	1,505.48	1/2	1,846.12	1/2	2,186.76	1/2	2,527.40	1/2	2,867.99	1/2	3,208.43
3/4	163.69	3/4	504.72	3/4	843.60	3/4	1,171.94	3/4	1,512.58	3/4	1,853.22	3/4	2,193.86	3/4	2,534.49	3/4	2,875.08	3/4	3,215.50
6	170.80	6	511.82	6	850.39	6	1,179.03	6	1,519.67	6	1,860.32	6	2,200.96	6	2,541.59	6	2,882.18	6	3,222.57
1/4	177.91	1/4	518.92	1/4	857.18	1/4	1,186.13	1/4	1,526.77	1/4	1,867.41	1/4	2,208.05	1/4	2,548.69	1/4	2,889.27	1/4	3,229.65
1/2	185.01	1/2	526.02	1/2	863.97	1/2	1,193.23	1/2	1,533.87	1/2	1,874.51	1/2	2,215.15	1/2	2,555.78	1/2	2,896.37	1/2	3,236.72
3/4	192.12	3/4	533.12	3/4	870.76	3/4	1,200.32	3/4	1,540.96	3/4	1,881.61	3/4	2,222.25	3/4	2,562.88	3/4	2,903.47	3/4	3,243.80
7	199.23	7	540.21	7	877.54	7	1,207.42	7	1,548.06	7	1,888.70	7	2,229.34	7	2,569.97	7	2,910.56	7	3,250.87
1/4	206.34	1/4	547.31	1/4	884.33	1/4	1,214.52	1/4	1,555.16	1/4	1,895.80	1/4	2,236.44	1/4	2,577.07	1/4	2,917.67	1/4	3,257.95
1/2	213.45	1/2	554.41	1/2	891.12	1/2	1,221.61	1/2	1,562.25	1/2	1,902.90	1/2	2,243.54	1/2	2,584.16	1/2	2,924.78	1/2	3,265.02
3/4	220.56	3/4	561.51	3/4	897.91	3/4	1,228.71	3/4	1,569.35	3/4	1,909.99	3/4	2,250.63	3/4	2,591.26	3/4	2,931.88	3/4	3,272.10
8	227.67	8	568.61	8	904.70	8	1,235.81	8	1,576.45	8	1,917.09	8	2,257.73	8	2,598.35	8	2,938.99	8	3,279.18
1/4	234.78	1/4	575.70	1/4	911.48	1/4	1,242.90	1/4	1,583.54	1/4	1,924.19	1/4	2,264.83	1/4	2,605.45	1/4	2,946.10	1/4	3,286.25
1/2	241.89	1/2	582.80	1/2	918.27	1/2	1,250.00	1/2	1,590.64	1/2	1,931.28	1/2	2,271.92	1/2	2,612.55	1/2	2,953.21	1/2	3,293.33
3/4	249.00	3/4	589.90	3/4	925.06	3/4	1,257.10	3/4	1,597.74	3/4	1,938.38	3/4	2,279.02	3/4	2,619.64	3/4	2,960.31	3/4	3,300.40
9	256.11	9	597.00	9	931.85	9	1,264.19	9	1,604.83	9	1,945.48	9	2,286.12	9	2,626.74	9	2,967.42	9	3,307.48
1/4	263.22	1/4	604.10	1/4	938.64	1/4	1,271.29	1/4	1,611.93	1/4	1,952.57	1/4	2,293.21	1/4	2,633.83	1/4	2,974.53	1/4	3,314.56
1/2	270.33	1/2	611.19	1/2	945.42	1/2	1,278.39	1/2	1,619.03	1/2	1,959.67	1/2	2,300.31	1/2	2,640.93	1/2	2,981.64	1/2	3,321.63
3/4	277.44	3/4	618.29	3/4	952.21	3/4	1,285.48	3/4	1,626.12	3/4	1,966.77	3/4	2,307.41	3/4	2,648.02	3/4	2,988.74	3/4	3,328.71
10	284.55	10	625.39	10	959.00	10	1,292.58	10	1,633.22	10	1,973.86	10	2,314.50	10	2,655.12	10	2,995.85	10	3,335.78
1/4	291.66	1/4	632.49	1/4	965.79	1/4	1,299.68	1/4	1,640.32	1/4	1,980.96	1/4	2,321.60	1/4	2,662.22	1/4	3,002.96	1/4	3,340.11
1/2	298.77	1/2	639.59	1/2	972.58	1/2	1,306.77	1/2	1,647.41	1/2	1,988.06	1/2	2,328.70	1/2	2,669.31	1/2	3,010.07	1/2	3,344.43
3/4	305.88	3/4	646.68	3/4	979.36	3/4	1,313.87	3/4	1,654.51	3/4	1,995.15	3/4	2,335.79	3/4	2,676.41	3/4	3,017.18	3/4	3,348.75
11	312.99	11	653.78	11	986.15	11	1,320.97	11	1,661.61	11	2,002.25	11	2,342.89	11	2,683.50	11	3,024.28	11	3,353.08
1/4	320.10	1/4	660.88	1/4	992.94	1/4	1,328.06	1/4	1,668.70	1/4	2,009.35	1/4	2,349.99	1/4	2,690.60	1/4	3,031.37	1/4	3,357.40
1/2	327.20	1/2	667.98	1/2	999.73	1/2	1,335.16	1/2	1,675.80	1/2	2,016.44	1/2	2,357.08	1/2	2,697.69	1/2	3,038.47	1/2	3,361.72
3/4	334.31	3/4	675.08	3/4	1,006.52	3/4	1,342.26	3/4	1,682.90	3/4	2,023.54	3/4	2,364.18	3/4	2,704.79	3/4	3,045.56	3/4	3,366.05

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 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

3 PORT

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	3,370.37	0	3,578.95	0	3,788.09	0	3,996.86	0	4,205.08	0		0		0		0		0	
1/4	3,374.71	1/4	3,583.30	1/4	3,792.45	1/4	4,001.19	1/4	4,209.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,379.05	1/2	3,587.66	1/2	3,796.81	1/2	4,005.53	1/2	4,213.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,383.39	3/4	3,592.02	3/4	3,801.16	3/4	4,009.87	3/4	4,218.10	3/4		3/4		3/4		3/4		3/4	
1	3,387.74	1	3,596.38	1	3,805.52	1	4,014.21	1	4,222.44	1		1		1		1		1	
1/4	3,392.08	1/4	3,600.73	1/4	3,809.88	1/4	4,018.55	1/4	4,226.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,396.42	1/2	3,605.09	1/2	3,814.24	1/2	4,022.88	1/2	4,231.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,400.76	3/4	3,609.45	3/4	3,818.59	3/4	4,027.22	3/4	4,235.45	3/4		3/4		3/4		3/4		3/4	
2	3,405.10	2	3,613.80	2	3,822.95	2	4,031.56	2	4,239.79	2		2		2		2		2	
1/4	3,409.44	1/4	3,618.16	1/4	3,827.31	1/4	4,035.90	1/4	4,244.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,413.78	1/2	3,622.52	1/2	3,831.66	1/2	4,040.24	1/2	4,248.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,418.13	3/4	3,626.88	3/4	3,836.02	3/4	4,044.57	3/4	4,252.80	3/4		3/4		3/4		3/4		3/4	
3	3,422.47	3	3,631.23	3	3,840.38	3	4,048.91	3	4,257.14	3		3		3		3		3	
1/4	3,426.81	1/4	3,635.59	1/4	3,844.74	1/4	4,053.25	1/4	4,261.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,431.15	1/2	3,639.95	1/2	3,849.09	1/2	4,057.59	1/2	4,265.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,435.49	3/4	3,644.30	3/4	3,853.45	3/4	4,061.93	3/4	4,270.07	3/4		3/4		3/4		3/4		3/4	
4	3,439.83	4	3,648.66	4	3,857.81	4	4,066.27	4	4,274.39	4		4		4		4		4	
1/4	3,444.17	1/4	3,653.02	1/4	3,862.16	1/4	4,070.60	1/4	4,278.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,448.52	1/2	3,657.38	1/2	3,866.52	1/2	4,074.94	1/2	4,283.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,452.86	3/4	3,661.73	3/4	3,870.88	3/4	4,079.28	3/4	4,287.32	3/4		3/4		3/4		3/4		3/4	
5	3,457.20	5	3,666.09	5	3,875.24	5	4,083.62	5	4,291.63	5		5		5		5		5	
1/4	3,461.54	1/4	3,670.45	1/4	3,879.59	1/4	4,087.96	1/4	4,295.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,465.88	1/2	3,674.81	1/2	3,883.95	1/2	4,092.29	1/2	4,300.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,470.22	3/4	3,679.16	3/4	3,888.31	3/4	4,096.63	3/4	4,304.55	3/4		3/4		3/4		3/4		3/4	
6	3,474.56	6	3,683.52	6	3,892.67	6	4,100.97	6	4,308.86	6		6		6		6		6	
1/4	3,478.90	1/4	3,687.88	1/4	3,897.02	1/4	4,105.31	1/4	4,313.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,483.25	1/2	3,692.23	1/2	3,901.38	1/2	4,109.65	1/2	4,317.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,487.59	3/4	3,696.59	3/4	3,905.74	3/4	4,113.98	3/4	4,321.75	3/4		3/4		3/4		3/4		3/4	
7	3,491.93	7	3,700.95	7	3,910.09	7	4,118.32	7	4,326.04	7		7		7		7		7	
1/4	3,496.27	1/4	3,705.31	1/4	3,914.43	1/4	4,122.66	1/4	4,330.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,500.61	1/2	3,709.66	1/2	3,918.77	1/2	4,127.00	1/2	4,334.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,504.95	3/4	3,714.02	3/4	3,923.11	3/4	4,131.34	3/4	4,338.77	3/4		3/4		3/4		3/4		3/4	
8	3,509.29	8	3,718.38	8	3,927.45	8	4,135.68	8	4,343.01	8		8		8		8		8	
1/4	3,513.64	1/4	3,722.73	1/4	3,931.78	1/4	4,140.01	1/4	4,346.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,517.98	1/2	3,727.09	1/2	3,936.12	1/2	4,144.35	1/2	4,349.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,522.32	3/4	3,731.45	3/4	3,940.46	3/4	4,148.69	3/4	4,353.28	3/4		3/4		3/4		3/4		3/4	
9	3,526.66	9	3,735.81	9	3,944.80	9	4,153.03	9	4,356.70	9		9		9		9		9	
1/4	3,531.02	1/4	3,740.16	1/4	3,949.14	1/4	4,157.37	1/4	4,358.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,535.37	1/2	3,744.52	1/2	3,953.47	1/2	4,161.70	1/2	4,361.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,539.73	3/4	3,748.88	3/4	3,957.81	3/4	4,166.04	3/4	4,363.41	3/4		3/4		3/4		3/4		3/4	
10	3,544.09	10	3,753.23	10	3,962.15	10	4,170.38	10	4,365.65	10		10		10		10		10	
1/4	3,548.45	1/4	3,757.59	1/4	3,966.49	1/4	4,174.72	1/4	4,367.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,552.80	1/2	3,761.95	1/2	3,970.83	1/2	4,179.06	1/2	4,369.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,557.16	3/4	3,766.31	3/4	3,975.17	3/4	4,183.39	3/4	4,370.76	3/4		3/4		3/4		3/4		3/4	
11	3,561.52	11	3,770.66	11	3,979.50	11	4,187.73	11	4,372.46	11		11		11		11		11	
1/4	3,565.88	1/4	3,775.02	1/4	3,983.84	1/4	4,192.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,570.23	1/2	3,779.38	1/2	3,988.18	1/2	4,196.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,574.59	3/4	3,783.74	3/4	3,992.52	3/4	4,200.75	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

3 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	14.63	0	342.48	0	684.79	0	1,026.75	0	1,368.94	0	1,711.26	0	2,053.58	0	2,395.90	0	2,737.96	0	3,079.40
1/4	19.09	1/4	349.61	1/4	691.92	1/4	1,033.87	1/4	1,376.07	1/4	1,718.39	1/4	2,060.71	1/4	2,403.03	1/4	2,745.07	1/4	3,086.52
1/2	23.54	1/2	356.74	1/2	699.05	1/2	1,040.99	1/2	1,383.20	1/2	1,725.52	1/2	2,067.84	1/2	2,410.16	1/2	2,752.18	1/2	3,093.63
3/4	28.00	3/4	363.87	3/4	706.19	3/4	1,048.10	3/4	1,390.33	3/4	1,732.65	3/4	2,074.97	3/4	2,417.30	3/4	2,759.30	3/4	3,100.74
1	32.46	1	371.01	1	713.32	1	1,055.22	1	1,397.46	1	1,739.78	1	2,082.11	1	2,424.43	1	2,766.41	1	3,107.86
1/4	38.70	1/4	378.14	1/4	720.45	1/4	1,062.34	1/4	1,404.59	1/4	1,746.92	1/4	2,089.24	1/4	2,431.56	1/4	2,773.52	1/4	3,114.97
1/2	44.93	1/2	385.27	1/2	727.58	1/2	1,069.46	1/2	1,411.73	1/2	1,754.05	1/2	2,096.37	1/2	2,438.69	1/2	2,780.64	1/2	3,122.08
3/4	51.17	3/4	392.40	3/4	734.71	3/4	1,076.58	3/4	1,418.86	3/4	1,761.18	3/4	2,103.50	3/4	2,445.82	3/4	2,787.75	3/4	3,129.20
2	57.41	2	399.53	2	741.84	2	1,083.69	2	1,425.99	2	1,768.31	2	2,110.63	2	2,452.95	2	2,794.86	2	3,136.31
1/4	64.51	1/4	406.66	1/4	748.98	1/4	1,090.82	1/4	1,433.12	1/4	1,775.44	1/4	2,117.76	1/4	2,460.09	1/4	2,801.98	1/4	3,143.41
1/2	71.60	1/2	413.79	1/2	756.11	1/2	1,097.94	1/2	1,440.25	1/2	1,782.57	1/2	2,124.90	1/2	2,467.22	1/2	2,809.09	1/2	3,150.50
3/4	78.70	3/4	420.93	3/4	763.24	3/4	1,105.07	3/4	1,447.39	3/4	1,789.71	3/4	2,132.03	3/4	2,474.35	3/4	2,816.20	3/4	3,157.60
3	85.79	3	428.06	3	770.37	3	1,112.20	3	1,454.52	3	1,796.84	3	2,139.16	3	2,481.48	3	2,823.32	3	3,164.70
1/4	92.91	1/4	435.19	1/4	777.50	1/4	1,119.33	1/4	1,461.65	1/4	1,803.97	1/4	2,146.29	1/4	2,488.61	1/4	2,830.43	1/4	3,171.79
1/2	100.04	1/2	442.32	1/2	784.63	1/2	1,126.46	1/2	1,468.78	1/2	1,811.10	1/2	2,153.42	1/2	2,495.74	1/2	2,837.54	1/2	3,178.89
3/4	107.16	3/4	449.45	3/4	791.76	3/4	1,133.59	3/4	1,475.91	3/4	1,818.23	3/4	2,160.56	3/4	2,502.88	3/4	2,844.66	3/4	3,185.99
4	114.28	4	456.58	4	798.90	4	1,140.72	4	1,483.04	4	1,825.37	4	2,167.69	4	2,510.01	4	2,851.77	4	3,193.08
1/4	121.41	1/4	463.72	1/4	806.03	1/4	1,147.85	1/4	1,490.18	1/4	1,832.50	1/4	2,174.82	1/4	2,517.14	1/4	2,858.89	1/4	3,200.18
1/2	128.54	1/2	470.85	1/2	813.16	1/2	1,154.99	1/2	1,497.31	1/2	1,839.63	1/2	2,181.95	1/2	2,524.27	1/2	2,866.00	1/2	3,207.27
3/4	135.67	3/4	477.98	3/4	820.29	3/4	1,162.12	3/4	1,504.44	3/4	1,846.76	3/4	2,189.08	3/4	2,531.41	3/4	2,873.11	3/4	3,214.37
5	142.80	5	485.11	5	827.42	5	1,169.25	5	1,511.57	5	1,853.89	5	2,196.21	5	2,538.54	5	2,880.23	5	3,221.47
1/4	149.93	1/4	492.24	1/4	834.55	1/4	1,176.38	1/4	1,518.70	1/4	1,861.02	1/4	2,203.35	1/4	2,545.67	1/4	2,887.34	1/4	3,228.56
1/2	157.06	1/2	499.37	1/2	841.67	1/2	1,183.51	1/2	1,525.83	1/2	1,868.16	1/2	2,210.48	1/2	2,552.81	1/2	2,894.45	1/2	3,235.66
3/4	164.19	3/4	506.50	3/4	848.80	3/4	1,190.64	3/4	1,532.97	3/4	1,875.29	3/4	2,217.61	3/4	2,559.94	3/4	2,901.57	3/4	3,242.76
6	171.32	6	513.64	6	855.93	6	1,197.78	6	1,540.10	6	1,882.42	6	2,224.74	6	2,567.07	6	2,908.68	6	3,249.85
1/4	178.46	1/4	520.77	1/4	863.04	1/4	1,204.91	1/4	1,547.23	1/4	1,889.55	1/4	2,231.87	1/4	2,574.21	1/4	2,915.79	1/4	3,256.95
1/2	185.59	1/2	527.90	1/2	870.16	1/2	1,212.04	1/2	1,554.36	1/2	1,896.68	1/2	2,239.00	1/2	2,581.34	1/2	2,922.91	1/2	3,264.04
3/4	192.72	3/4	535.03	3/4	877.28	3/4	1,219.17	3/4	1,561.49	3/4	1,903.81	3/4	2,246.14	3/4	2,588.47	3/4	2,930.02	3/4	3,271.14
7	199.85	7	542.16	7	884.40	7	1,226.30	7	1,568.62	7	1,910.95	7	2,253.27	7	2,595.61	7	2,937.13	7	3,278.24
1/4	206.98	1/4	549.29	1/4	891.51	1/4	1,233.43	1/4	1,575.76	1/4	1,918.08	1/4	2,260.40	1/4	2,602.74	1/4	2,944.25	1/4	3,285.33
1/2	214.11	1/2	556.42	1/2	898.63	1/2	1,240.57	1/2	1,582.89	1/2	1,925.21	1/2	2,267.53	1/2	2,609.87	1/2	2,951.36	1/2	3,292.43
3/4	221.24	3/4	563.56	3/4	905.75	3/4	1,247.70	3/4	1,590.02	3/4	1,932.34	3/4	2,274.66	3/4	2,617.01	3/4	2,958.47	3/4	3,299.53
8	228.38	8	570.69	8	912.87	8	1,254.83	8	1,597.15	8	1,939.47	8	2,281.79	8	2,624.14	8	2,965.59	8	3,306.62
1/4	235.51	1/4	577.82	1/4	919.98	1/4	1,261.96	1/4	1,604.28	1/4	1,946.60	1/4	2,288.93	1/4	2,631.25	1/4	2,972.70	1/4	3,313.72
1/2	242.64	1/2	584.95	1/2	927.10	1/2	1,269.09	1/2	1,611.41	1/2	1,953.74	1/2	2,296.06	1/2	2,638.37	1/2	2,979.81	1/2	3,320.82
3/4	249.77	3/4	592.08	3/4	934.22	3/4	1,276.22	3/4	1,618.55	3/4	1,960.87	3/4	2,303.19	3/4	2,645.48	3/4	2,986.93	3/4	3,327.91
9	256.90	9	599.21	9	941.34	9	1,283.36	9	1,625.68	9	1,968.00	9	2,310.32	9	2,652.59	9	2,994.04	9	3,335.01
1/4	264.03	1/4	606.35	1/4	948.45	1/4	1,290.49	1/4	1,632.81	1/4	1,975.13	1/4	2,317.45	1/4	2,659.71	1/4	3,001.16	1/4	3,342.10
1/2	271.16	1/2	613.48	1/2	955.57	1/2	1,297.62	1/2	1,639.94	1/2	1,982.26	1/2	2,324.58	1/2	2,666.82	1/2	3,008.27	1/2	3,349.20
3/4	278.30	3/4	620.61	3/4	962.69	3/4	1,304.75	3/4	1,647.07	3/4	1,989.39	3/4	2,331.72	3/4	2,673.93	3/4	3,015.38	3/4	3,356.30
10	285.43	10	627.74	10	969.81	10	1,311.88	10	1,654.20	10	1,996.53	10	2,338.85	10	2,681.05	10	3,022.50	10	3,363.39
1/4	292.56	1/4	634.87	1/4	976.93	1/4	1,319.01	1/4	1,661.34	1/4	2,003.66	1/4	2,345.98	1/4	2,688.16	1/4	3,029.61	1/4	3,367.73
1/2	299.69	1/2	642.00	1/2	984.04	1/2	1,326.15	1/2	1,668.47	1/2	2,010.79	1/2	2,353.11	1/2	2,695.27	1/2	3,036.72	1/2	3,372.07
3/4	306.82	3/4	649.13	3/4	991.16	3/4	1,333.28	3/4	1,675.60	3/4	2,017.92	3/4	2,360.24	3/4	2,702.39	3/4	3,043.84	3/4	3,376.41
11	313.95	11	656.27	11	998.28	11	1,340.41	11	1,682.73	11	2,025.05	11	2,367.37	11	2,709.50	11	3,050.95	11	3,380.75
1/4	321.09	1/4	663.40	1/4	1,005.40	1/4	1,347.54	1/4	1,689.86	1/4	2,032.18	1/4	2,374.51	1/4	2,716.62	1/4	3,058.06	1/4	3,385.08
1/2	328.22	1/2	670.53	1/2	1,012.51	1/2	1,354.67	1/2	1,696.99	1/2	2,039.32	1/2	2,381.64	1/2	2,723.73	1/2	3,065.18	1/2	3,389.42
3/4	335.35	3/4	677.66	3/4	1,019.63	3/4	1,361.80	3/4	1,704.13	3/4	2,046.45	3/4	2,388.77	3/4	2,730.84	3/4	3,072.29	3/4	3,393.76

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 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

3 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	3,398.10	0	3,608.04	0	3,817.98	0	4,027.55	0	4,236.58	0		0		0		0		0	
1/4	3,402.47	1/4	3,612.41	1/4	3,822.36	1/4	4,031.90	1/4	4,240.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,406.85	1/2	3,616.79	1/2	3,826.73	1/2	4,036.26	1/2	4,245.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,411.22	3/4	3,621.16	3/4	3,831.10	3/4	4,040.61	3/4	4,249.64	3/4		3/4		3/4		3/4		3/4	
1	3,415.59	1	3,625.54	1	3,835.48	1	4,044.97	1	4,254.00	1		1		1		1		1	
1/4	3,419.97	1/4	3,629.91	1/4	3,839.85	1/4	4,049.32	1/4	4,258.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,424.34	1/2	3,634.28	1/2	3,844.23	1/2	4,053.67	1/2	4,262.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,428.72	3/4	3,638.66	3/4	3,848.60	3/4	4,058.03	3/4	4,267.06	3/4		3/4		3/4		3/4		3/4	
2	3,433.09	2	3,643.03	2	3,852.97	2	4,062.38	2	4,271.41	2		2		2		2		2	
1/4	3,437.46	1/4	3,647.41	1/4	3,857.35	1/4	4,066.74	1/4	4,275.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,441.84	1/2	3,651.78	1/2	3,861.72	1/2	4,071.09	1/2	4,280.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,446.21	3/4	3,656.15	3/4	3,866.10	3/4	4,075.45	3/4	4,284.48	3/4		3/4		3/4		3/4		3/4	
3	3,450.58	3	3,660.53	3	3,870.47	3	4,079.80	3	4,288.83	3		3		3		3		3	
1/4	3,454.96	1/4	3,664.90	1/4	3,874.84	1/4	4,084.16	1/4	4,293.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,459.33	1/2	3,669.27	1/2	3,879.22	1/2	4,088.51	1/2	4,297.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,463.71	3/4	3,673.65	3/4	3,883.59	3/4	4,092.87	3/4	4,301.81	3/4		3/4		3/4		3/4		3/4	
4	3,468.08	4	3,678.02	4	3,887.96	4	4,097.22	4	4,306.14	4		4		4		4		4	
1/4	3,472.45	1/4	3,682.40	1/4	3,892.34	1/4	4,101.58	1/4	4,310.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,476.83	1/2	3,686.77	1/2	3,896.71	1/2	4,105.93	1/2	4,314.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,481.20	3/4	3,691.14	3/4	3,901.09	3/4	4,110.29	3/4	4,319.12	3/4		3/4		3/4		3/4		3/4	
5	3,485.57	5	3,695.52	5	3,905.46	5	4,114.64	5	4,323.45	5		5		5		5		5	
1/4	3,489.95	1/4	3,699.89	1/4	3,909.83	1/4	4,119.00	1/4	4,327.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,494.32	1/2	3,704.26	1/2	3,914.21	1/2	4,123.35	1/2	4,332.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,498.70	3/4	3,708.64	3/4	3,918.58	3/4	4,127.71	3/4	4,336.42	3/4		3/4		3/4		3/4		3/4	
6	3,503.07	6	3,713.01	6	3,922.95	6	4,132.06	6	4,340.74	6		6		6		6		6	
1/4	3,507.44	1/4	3,717.39	1/4	3,927.33	1/4	4,136.42	1/4	4,345.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,511.82	1/2	3,721.76	1/2	3,931.70	1/2	4,140.77	1/2	4,349.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,516.19	3/4	3,726.13	3/4	3,936.08	3/4	4,145.13	3/4	4,353.68	3/4		3/4		3/4		3/4		3/4	
7	3,520.57	7	3,730.51	7	3,940.45	7	4,149.48	7	4,357.99	7		7		7		7		7	
1/4	3,524.94	1/4	3,734.88	1/4	3,944.80	1/4	4,153.84	1/4	4,362.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,529.31	1/2	3,739.26	1/2	3,949.16	1/2	4,158.19	1/2	4,366.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,533.69	3/4	3,743.63	3/4	3,953.51	3/4	4,162.54	3/4	4,370.77	3/4		3/4		3/4		3/4		3/4	
8	3,538.06	8	3,748.00	8	3,957.87	8	4,166.90	8	4,375.03	8		8		8		8		8	
1/4	3,542.43	1/4	3,752.38	1/4	3,962.22	1/4	4,171.25	1/4	4,378.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,546.81	1/2	3,756.75	1/2	3,966.58	1/2	4,175.61	1/2	4,381.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.18	3/4	3,761.12	3/4	3,970.93	3/4	4,179.96	3/4	4,385.34	3/4		3/4		3/4		3/4		3/4	
9	3,555.56	9	3,765.50	9	3,975.29	9	4,184.32	9	4,388.77	9		9		9		9		9	
1/4	3,559.93	1/4	3,769.87	1/4	3,979.64	1/4	4,188.67	1/4	4,391.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,564.30	1/2	3,774.25	1/2	3,984.00	1/2	4,193.03	1/2	4,393.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,568.68	3/4	3,778.62	3/4	3,988.35	3/4	4,197.38	3/4	4,395.51	3/4		3/4		3/4		3/4		3/4	
10	3,573.05	10	3,782.99	10	3,992.71	10	4,201.74	10	4,397.76	10		10		10		10		10	
1/4	3,577.42	1/4	3,787.37	1/4	3,997.06	1/4	4,206.09	1/4	4,399.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,581.80	1/2	3,791.74	1/2	4,001.42	1/2	4,210.45	1/2	4,401.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,586.17	3/4	3,796.11	3/4	4,005.77	3/4	4,214.80	3/4	4,402.89	3/4		3/4		3/4		3/4		3/4	
11	3,590.55	11	3,800.49	11	4,010.13	11	4,219.16	11	4,404.59	11		11		11		11		11	
1/4	3,594.92	1/4	3,804.86	1/4	4,014.48	1/4	4,223.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,599.29	1/2	3,809.24	1/2	4,018.84	1/2	4,227.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,603.67	3/4	3,813.61	3/4	4,023.19	3/4	4,232.22	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

PRECISION MEASUREMENT
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BARGE "MPX 401"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 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	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 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	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT	=	2'-00"	
AFT DRAFT	=	6'-00"	
DIFF.	=	4'-00"	(DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 237'-03"

April 20, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588

http://www.pmacorp.net

BARGE "MPX 401"

1 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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		0		0	4,864.46	0	4,523.31	0	4,181.57	0	3,838.59	0	3,495.65	0	3,152.76	0	2,809.83	0	2,466.84
1/4		1/4		1/4	4,857.39	1/4	4,516.20	1/4	4,174.43	1/4	3,831.45	1/4	3,488.51	1/4	3,145.62	1/4	2,802.68	1/4	2,459.69
1/2		1/2		1/2	4,850.32	1/2	4,509.09	1/2	4,167.28	1/2	3,824.30	1/2	3,481.36	1/2	3,138.47	1/2	2,795.54	1/2	2,452.55
3/4		3/4		3/4	4,843.26	3/4	4,501.98	3/4	4,160.14	3/4	3,817.16	3/4	3,474.22	3/4	3,131.33	3/4	2,788.39	3/4	2,445.40
1		1		1	4,836.19	1	4,494.86	1	4,152.99	1	3,810.01	1	3,467.08	1	3,124.19	1	2,781.25	1	2,438.26
1/4		1/4		1/4	4,829.12	1/4	4,487.75	1/4	4,145.85	1/4	3,802.87	1/4	3,459.93	1/4	3,117.04	1/4	2,774.10	1/4	2,431.11
1/2		1/2		1/2	4,822.05	1/2	4,480.64	1/2	4,138.70	1/2	3,795.72	1/2	3,452.79	1/2	3,109.90	1/2	2,766.95	1/2	2,423.96
3/4		3/4		3/4	4,814.94	3/4	4,473.52	3/4	4,131.56	3/4	3,788.58	3/4	3,445.64	3/4	3,102.76	3/4	2,759.81	3/4	2,416.82
2		2		2	4,807.83	2	4,466.41	2	4,124.41	2	3,781.43	2	3,438.50	2	3,095.61	2	2,752.66	2	2,409.67
1/4		1/4		1/4	4,800.71	1/4	4,459.30	1/4	4,117.27	1/4	3,774.29	1/4	3,431.36	1/4	3,088.47	1/4	2,745.52	1/4	2,402.53
1/2		1/2		1/2	4,793.60	1/2	4,452.19	1/2	4,110.12	1/2	3,767.14	1/2	3,424.21	1/2	3,081.33	1/2	2,738.37	1/2	2,395.38
3/4		3/4		3/4	4,786.49	3/4	4,445.07	3/4	4,102.97	3/4	3,760.00	3/4	3,417.07	3/4	3,074.18	3/4	2,731.23	3/4	2,388.23
3		3		3	4,779.37	3	4,437.96	3	4,095.83	3	3,752.85	3	3,409.93	3	3,067.04	3	2,724.08	3	2,381.09
1/4		1/4		1/4	4,772.26	1/4	4,430.85	1/4	4,088.68	1/4	3,745.70	1/4	3,402.78	1/4	3,059.90	1/4	2,716.94	1/4	2,373.94
1/2		1/2		1/2	4,765.15	1/2	4,423.73	1/2	4,081.54	1/2	3,738.56	1/2	3,395.64	1/2	3,052.75	1/2	2,709.79	1/2	2,366.80
3/4		3/4		3/4	4,758.04	3/4	4,416.62	3/4	4,074.39	3/4	3,731.41	3/4	3,388.50	3/4	3,045.61	3/4	2,702.65	3/4	2,359.65
4		4		4	4,750.92	4	4,409.51	4	4,067.25	4	3,724.27	4	3,381.35	4	3,038.47	4	2,695.50	4	2,352.50
1/4		1/4		1/4	4,743.81	1/4	4,402.40	1/4	4,060.10	1/4	3,717.12	1/4	3,374.21	1/4	3,031.32	1/4	2,688.36	1/4	2,345.36
1/2		1/2		1/2	4,736.70	1/2	4,395.28	1/2	4,052.96	1/2	3,709.98	1/2	3,367.07	1/2	3,024.18	1/2	2,681.21	1/2	2,338.21
3/4		3/4		3/4	4,729.59	3/4	4,388.17	3/4	4,045.81	3/4	3,702.83	3/4	3,359.92	3/4	3,017.03	3/4	2,674.07	3/4	2,331.07
5		5		5	4,722.47	5	4,381.06	5	4,038.67	5	3,695.69	5	3,352.78	5	3,009.89	5	2,666.92	5	2,323.92
1/4		1/4		1/4	4,715.36	1/4	4,373.95	1/4	4,031.52	1/4	3,688.54	1/4	3,345.64	1/4	3,002.75	1/4	2,659.78	1/4	2,316.78
1/2		1/2	5,022.88	1/2	4,708.25	1/2	4,366.83	1/2	4,024.37	1/2	3,681.40	1/2	3,338.49	1/2	2,995.60	1/2	2,652.63	1/2	2,309.63
3/4		3/4	5,019.09	3/4	4,701.13	3/4	4,359.72	3/4	4,017.23	3/4	3,674.25	3/4	3,331.35	3/4	2,988.46	3/4	2,645.48	3/4	2,302.48
6		6	5,015.29	6	4,694.02	6	4,352.61	6	4,010.08	6	3,667.10	6	3,324.21	6	2,981.31	6	2,638.34	6	2,295.34
1/4		1/4	5,011.50	1/4	4,686.91	1/4	4,345.49	1/4	4,002.94	1/4	3,659.96	1/4	3,317.06	1/4	2,974.17	1/4	2,631.19	1/4	2,288.19
1/2		1/2	5,007.71	1/2	4,679.80	1/2	4,338.38	1/2	3,995.79	1/2	3,652.81	1/2	3,309.92	1/2	2,967.02	1/2	2,624.05	1/2	2,281.05
3/4		3/4	5,002.73	3/4	4,672.68	3/4	4,331.27	3/4	3,988.65	3/4	3,645.67	3/4	3,302.77	3/4	2,959.88	3/4	2,616.90	3/4	2,273.90
7		7	4,997.74	7	4,665.57	7	4,324.16	7	3,981.50	7	3,638.52	7	3,295.63	7	2,952.73	7	2,609.76	7	2,266.75
1/4		1/4	4,992.76	1/4	4,658.46	1/4	4,317.04	1/4	3,974.36	1/4	3,631.38	1/4	3,288.49	1/4	2,945.59	1/4	2,602.61	1/4	2,259.61
1/2		1/2	4,987.78	1/2	4,651.34	1/2	4,309.93	1/2	3,967.21	1/2	3,624.23	1/2	3,281.34	1/2	2,938.44	1/2	2,595.47	1/2	2,252.46
3/4		3/4	4,981.60	3/4	4,644.23	3/4	4,302.82	3/4	3,960.07	3/4	3,617.09	3/4	3,274.20	3/4	2,931.30	3/4	2,588.32	3/4	2,245.32
8		8	4,975.43	8	4,637.12	8	4,295.70	8	3,952.92	8	3,609.95	8	3,267.06	8	2,924.15	8	2,581.17	8	2,238.17
1/4		1/4	4,969.25	1/4	4,630.01	1/4	4,288.59	1/4	3,945.78	1/4	3,602.80	1/4	3,259.91	1/4	2,917.01	1/4	2,574.03	1/4	2,231.02
1/2		1/2	4,963.08	1/2	4,622.89	1/2	4,281.48	1/2	3,938.63	1/2	3,595.66	1/2	3,252.77	1/2	2,909.86	1/2	2,566.88	1/2	2,223.88
3/4		3/4	4,956.08	3/4	4,615.78	3/4	4,274.37	3/4	3,931.48	3/4	3,588.51	3/4	3,245.63	3/4	2,902.72	3/4	2,559.74	3/4	2,216.73
9		9	4,949.08	9	4,608.67	9	4,267.25	9	3,924.34	9	3,581.37	9	3,238.48	9	2,895.57	9	2,552.59	9	2,209.59
1/4		1/4	4,942.08	1/4	4,601.55	1/4	4,260.14	1/4	3,917.19	1/4	3,574.23	1/4	3,231.34	1/4	2,888.42	1/4	2,545.44	1/4	2,202.44
1/2		1/2	4,935.08	1/2	4,594.44	1/2	4,253.03	1/2	3,910.05	1/2	3,567.08	1/2	3,224.20	1/2	2,881.28	1/2	2,538.30	1/2	2,195.29
3/4		3/4	4,928.03	3/4	4,587.33	3/4	4,245.88	3/4	3,902.90	3/4	3,559.94	3/4	3,217.05	3/4	2,874.13	3/4	2,531.15	3/4	2,188.15
10		10	4,920.97	10	4,580.22	10	4,238.74	10	3,895.76	10	3,552.80	10	3,209.91	10	2,866.99	10	2,524.01	10	2,181.00
1/4		1/4	4,913.92	1/4	4,573.10	1/4	4,231.59	1/4	3,888.61	1/4	3,545.65	1/4	3,202.77	1/4	2,859.84	1/4	2,516.86	1/4	2,173.86
1/2		1/2	4,906.87	1/2	4,565.99	1/2	4,224.45	1/2	3,881.47	1/2	3,538.51	1/2	3,195.62	1/2	2,852.70	1/2	2,509.71	1/2	2,166.71
3/4		3/4	4,899.80	3/4	4,558.88	3/4	4,217.30	3/4	3,874.32	3/4	3,531.37	3/4	3,188.48	3/4	2,845.55	3/4	2,502.57	3/4	2,159.57
11		11	4,892.73	11	4,551.77	11	4,210.16	11	3,867.18	11	3,524.22	11	3,181.34	11	2,838.41	11	2,495.42	11	2,152.42
1/4		1/4	4,885.66	1/4	4,544.65	1/4	4,203.01	1/4	3,860.03	1/4	3,517.08	1/4	3,174.19	1/4	2,831.26	1/4	2,488.28	1/4	2,145.27
1/2		1/2	4,878.60	1/2	4,537.54	1/2	4,195.86	1/2	3,852.89	1/2	3,509.94	1/2	3,167.05	1/2	2,824.12	1/2	2,481.13	1/2	2,138.13
3/4		3/4	4,871.53	3/4	4,530.43	3/4	4,188.72	3/4	3,845.74	3/4	3,502.79	3/4	3,159.90	3/4	2,816.97	3/4	2,473.98	3/4	2,130.98

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 ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

1 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,123.84	0	1,780.83	0	1,437.83	0	1,094.83	0	754.38	0	412.59	0	103.66	0		0		0	
1/4	2,116.69	1/4	1,773.69	1/4	1,430.68	1/4	1,087.68	1/4	747.27	1/4	405.65	1/4	97.73	1/4		1/4		1/4	
1/2	2,109.54	1/2	1,766.54	1/2	1,423.54	1/2	1,080.53	1/2	740.16	1/2	398.71	1/2	91.80	1/2		1/2		1/2	
3/4	2,102.40	3/4	1,759.39	3/4	1,416.39	3/4	1,073.42	3/4	733.02	3/4	391.86	3/4	85.95	3/4		3/4		3/4	
1	2,095.25	1	1,752.25	1	1,409.25	1	1,066.31	1	725.87	1	385.01	1	80.11	1		1		1	
1/4	2,088.11	1/4	1,745.10	1/4	1,402.10	1/4	1,059.20	1/4	718.72	1/4	378.15	1/4	74.27	1/4		1/4		1/4	
1/2	2,080.96	1/2	1,737.96	1/2	1,394.95	1/2	1,052.09	1/2	711.58	1/2	371.30	1/2	68.43	1/2		1/2		1/2	
3/4	2,073.81	3/4	1,730.81	3/4	1,387.81	3/4	1,044.99	3/4	704.43	3/4	364.53	3/4	62.70	3/4		3/4		3/4	
2	2,066.67	2	1,723.67	2	1,380.66	2	1,037.90	2	697.29	2	357.76	2	56.97	2		2		2	
1/4	2,059.52	1/4	1,716.52	1/4	1,373.52	1/4	1,030.81	1/4	690.14	1/4	350.99	1/4	51.24	1/4		1/4		1/4	
1/2	2,052.38	1/2	1,709.37	1/2	1,366.37	1/2	1,023.71	1/2	683.00	1/2	344.22	1/2	45.50	1/2		1/2		1/2	
3/4	2,045.23	3/4	1,702.23	3/4	1,359.22	3/4	1,016.63	3/4	675.85	3/4	337.53	3/4	40.71	3/4		3/4		3/4	
3	2,038.09	3	1,695.08	3	1,352.08	3	1,009.54	3	668.70	3	330.85	3	35.92	3		3		3	
1/4	2,030.94	1/4	1,687.94	1/4	1,344.93	1/4	1,002.46	1/4	661.56	1/4	324.16	1/4	31.13	1/4		1/4		1/4	
1/2	2,023.79	1/2	1,680.79	1/2	1,337.79	1/2	995.37	1/2	654.41	1/2	317.47	1/2	26.34	1/2		1/2		1/2	
3/4	2,016.65	3/4	1,673.64	3/4	1,330.64	3/4	988.29	3/4	647.27	3/4	310.87	3/4	23.42	3/4		3/4		3/4	
4	2,009.50	4	1,666.50	4	1,323.50	4	981.20	4	640.12	4	304.27	4	20.50	4		4		4	
1/4	2,002.36	1/4	1,659.35	1/4	1,316.35	1/4	974.11	1/4	632.98	1/4	297.67	1/4	17.58	1/4		1/4		1/4	
1/2	1,995.21	1/2	1,652.21	1/2	1,309.20	1/2	967.03	1/2	625.83	1/2	291.06	1/2	14.66	1/2		1/2		1/2	
3/4	1,988.06	3/4	1,645.06	3/4	1,302.06	3/4	959.94	3/4	618.69	3/4	284.54	3/4		3/4		3/4		3/4	
5	1,980.92	5	1,637.91	5	1,294.91	5	952.86	5	611.54	5	278.02	5		5		5		5	
1/4	1,973.77	1/4	1,630.77	1/4	1,287.77	1/4	945.77	1/4	604.39	1/4	271.50	1/4		1/4		1/4		1/4	
1/2	1,966.63	1/2	1,623.62	1/2	1,280.62	1/2	938.69	1/2	597.25	1/2	264.98	1/2		1/2		1/2		1/2	
3/4	1,959.48	3/4	1,616.48	3/4	1,273.47	3/4	931.60	3/4	590.10	3/4	258.55	3/4		3/4		3/4		3/4	
6	1,952.33	6	1,609.33	6	1,266.33	6	924.52	6	582.96	6	252.11	6		6		6		6	
1/4	1,945.19	1/4	1,602.19	1/4	1,259.18	1/4	917.43	1/4	575.81	1/4	245.68	1/4		1/4		1/4		1/4	
1/2	1,938.04	1/2	1,595.04	1/2	1,252.04	1/2	910.35	1/2	568.67	1/2	239.24	1/2		1/2		1/2		1/2	
3/4	1,930.90	3/4	1,587.89	3/4	1,244.89	3/4	903.26	3/4	561.52	3/4	232.89	3/4		3/4		3/4		3/4	
7	1,923.75	7	1,580.75	7	1,237.74	7	896.18	7	554.38	7	226.54	7		7		7		7	
1/4	1,916.60	1/4	1,573.60	1/4	1,230.60	1/4	889.09	1/4	547.23	1/4	220.18	1/4		1/4		1/4		1/4	
1/2	1,909.46	1/2	1,566.46	1/2	1,223.45	1/2	882.00	1/2	540.08	1/2	213.83	1/2		1/2		1/2		1/2	
3/4	1,902.31	3/4	1,559.31	3/4	1,216.31	3/4	874.92	3/4	532.94	3/4	207.56	3/4		3/4		3/4		3/4	
8	1,895.17	8	1,552.16	8	1,209.16	8	867.83	8	525.79	8	201.29	8		8		8		8	
1/4	1,888.02	1/4	1,545.02	1/4	1,202.01	1/4	860.75	1/4	518.65	1/4	195.02	1/4		1/4		1/4		1/4	
1/2	1,880.88	1/2	1,537.87	1/2	1,194.87	1/2	853.66	1/2	511.50	1/2	188.75	1/2		1/2		1/2		1/2	
3/4	1,873.73	3/4	1,530.73	3/4	1,187.72	3/4	846.58	3/4	504.36	3/4	182.57	3/4		3/4		3/4		3/4	
9	1,866.58	9	1,523.58	9	1,180.58	9	839.49	9	497.21	9	176.38	9		9		9		9	
1/4	1,859.44	1/4	1,516.43	1/4	1,173.43	1/4	832.41	1/4	490.06	1/4	170.20	1/4		1/4		1/4		1/4	
1/2	1,852.29	1/2	1,509.29	1/2	1,166.29	1/2	825.32	1/2	482.92	1/2	164.01	1/2		1/2		1/2		1/2	
3/4	1,845.15	3/4	1,502.14	3/4	1,159.14	3/4	818.24	3/4	475.82	3/4	157.91	3/4		3/4		3/4		3/4	
10	1,838.00	10	1,495.00	10	1,151.99	10	811.15	10	468.72	10	151.81	10		10		10		10	
1/4	1,830.85	1/4	1,487.85	1/4	1,144.85	1/4	804.07	1/4	461.62	1/4	145.71	1/4		1/4		1/4		1/4	
1/2	1,823.71	1/2	1,480.70	1/2	1,137.70	1/2	796.98	1/2	454.52	1/2	139.60	1/2		1/2		1/2		1/2	
3/4	1,816.56	3/4	1,473.56	3/4	1,130.56	3/4	789.89	3/4	447.51	3/4	133.59	3/4		3/4		3/4		3/4	
11	1,809.42	11	1,466.41	11	1,123.41	11	782.79	11	440.49	11	127.57	11		11		11		11	
1/4	1,802.27	1/4	1,459.27	1/4	1,116.26	1/4	775.70	1/4	433.48	1/4	121.55	1/4		1/4		1/4		1/4	
1/2	1,795.12	1/2	1,452.12	1/2	1,109.12	1/2	768.61	1/2	426.46	1/2	115.53	1/2		1/2		1/2		1/2	
3/4	1,787.98	3/4	1,444.98	3/4	1,101.97	3/4	761.50	3/4	419.53	3/4	109.60	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

1 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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		0		0	4,853.88	0	4,513.64	0	4,172.80	0	3,830.73	0	3,488.69	0	3,146.72	0	2,804.69	0	2,462.60
1/4		1/4		1/4	4,846.83	1/4	4,506.54	1/4	4,165.68	1/4	3,823.60	1/4	3,481.57	1/4	3,139.59	1/4	2,797.56	1/4	2,455.48
1/2		1/2		1/2	4,839.78	1/2	4,499.45	1/2	4,158.55	1/2	3,816.48	1/2	3,474.45	1/2	3,132.47	1/2	2,790.43	1/2	2,448.35
3/4		3/4		3/4	4,832.73	3/4	4,492.35	3/4	4,151.42	3/4	3,809.35	3/4	3,467.32	3/4	3,125.34	3/4	2,783.31	3/4	2,441.22
1		1		1	4,825.68	1	4,485.26	1	4,144.30	1	3,802.22	1	3,460.20	1	3,118.22	1	2,776.18	1	2,434.10
1/4		1/4		1/4	4,818.63	1/4	4,478.17	1/4	4,137.17	1/4	3,795.10	1/4	3,453.07	1/4	3,111.10	1/4	2,769.05	1/4	2,426.97
1/2		1/2		1/2	4,811.58	1/2	4,471.07	1/2	4,130.04	1/2	3,787.97	1/2	3,445.95	1/2	3,103.97	1/2	2,761.93	1/2	2,419.84
3/4		3/4		3/4	4,804.49	3/4	4,463.98	3/4	4,122.92	3/4	3,780.84	3/4	3,438.82	3/4	3,096.85	3/4	2,754.80	3/4	2,412.72
2		2		2	4,797.39	2	4,456.88	2	4,115.79	2	3,773.72	2	3,431.70	2	3,089.72	2	2,747.67	2	2,405.59
1/4		1/4		1/4	4,790.30	1/4	4,449.79	1/4	4,108.66	1/4	3,766.59	1/4	3,424.57	1/4	3,082.60	1/4	2,740.55	1/4	2,398.46
1/2		1/2		1/2	4,783.20	1/2	4,442.70	1/2	4,101.54	1/2	3,759.47	1/2	3,417.45	1/2	3,075.47	1/2	2,733.42	1/2	2,391.34
3/4		3/4		3/4	4,776.11	3/4	4,435.60	3/4	4,094.41	3/4	3,752.34	3/4	3,410.32	3/4	3,068.35	3/4	2,726.30	3/4	2,384.21
3		3		3	4,769.02	3	4,428.51	3	4,087.28	3	3,745.21	3	3,403.20	3	3,061.22	3	2,719.17	3	2,377.08
1/4		1/4		1/4	4,761.92	1/4	4,421.41	1/4	4,080.16	1/4	3,738.09	1/4	3,396.08	1/4	3,054.10	1/4	2,712.04	1/4	2,369.95
1/2		1/2		1/2	4,754.83	1/2	4,414.32	1/2	4,073.03	1/2	3,730.96	1/2	3,388.95	1/2	3,046.98	1/2	2,704.92	1/2	2,362.83
3/4		3/4		3/4	4,747.73	3/4	4,407.23	3/4	4,065.90	3/4	3,723.83	3/4	3,381.83	3/4	3,039.85	3/4	2,697.79	3/4	2,355.70
4		4		4	4,740.64	4	4,400.13	4	4,058.78	4	3,716.71	4	3,374.70	4	3,032.73	4	2,690.66	4	2,348.57
1/4		1/4		1/4	4,733.55	1/4	4,393.04	1/4	4,051.65	1/4	3,709.58	1/4	3,367.58	1/4	3,025.60	1/4	2,683.54	1/4	2,341.45
1/2		1/2		1/2	4,726.45	1/2	4,385.95	1/2	4,044.53	1/2	3,702.45	1/2	3,360.45	1/2	3,018.48	1/2	2,676.41	1/2	2,334.32
3/4		3/4		3/4	4,719.36	3/4	4,378.85	3/4	4,037.40	3/4	3,695.33	3/4	3,353.33	3/4	3,011.35	3/4	2,669.28	3/4	2,327.19
5		5		5	4,712.26	5	4,371.76	5	4,030.27	5	3,688.20	5	3,346.20	5	3,004.23	5	2,662.16	5	2,320.07
1/4		1/4		1/4	4,705.17	1/4	4,364.66	1/4	4,023.15	1/4	3,681.07	1/4	3,339.08	1/4	2,997.10	1/4	2,655.03	1/4	2,312.94
1/2		1/2	5,011.87	1/2	4,698.08	1/2	4,357.57	1/2	4,016.02	1/2	3,673.95	1/2	3,331.96	1/2	2,989.98	1/2	2,647.90	1/2	2,305.81
3/4		3/4	5,008.09	3/4	4,690.98	3/4	4,350.48	3/4	4,008.89	3/4	3,666.82	3/4	3,324.83	3/4	2,982.85	3/4	2,640.78	3/4	2,298.69
6		6	5,004.30	6	4,683.89	6	4,343.38	6	4,001.77	6	3,659.69	6	3,317.71	6	2,975.73	6	2,633.65	6	2,291.56
1/4		1/4	5,000.52	1/4	4,676.80	1/4	4,336.29	1/4	3,994.64	1/4	3,652.57	1/4	3,310.58	1/4	2,968.60	1/4	2,626.52	1/4	2,284.43
1/2		1/2	4,996.74	1/2	4,669.70	1/2	4,329.19	1/2	3,987.51	1/2	3,645.44	1/2	3,303.46	1/2	2,961.47	1/2	2,619.40	1/2	2,277.30
3/4		3/4	4,991.77	3/4	4,662.61	3/4	4,322.10	3/4	3,980.39	3/4	3,638.31	3/4	3,296.33	3/4	2,954.35	3/4	2,612.27	3/4	2,270.18
7		7	4,986.80	7	4,655.51	7	4,315.01	7	3,973.26	7	3,631.19	7	3,289.21	7	2,947.22	7	2,605.14	7	2,263.05
1/4		1/4	4,981.83	1/4	4,648.42	1/4	4,307.91	1/4	3,966.13	1/4	3,624.06	1/4	3,282.08	1/4	2,940.09	1/4	2,598.02	1/4	2,255.92
1/2		1/2	4,976.86	1/2	4,641.33	1/2	4,300.82	1/2	3,959.01	1/2	3,616.94	1/2	3,274.96	1/2	2,932.97	1/2	2,590.89	1/2	2,248.80
3/4		3/4	4,970.70	3/4	4,634.23	3/4	4,293.72	3/4	3,951.88	3/4	3,609.81	3/4	3,267.83	3/4	2,925.84	3/4	2,583.76	3/4	2,241.67
8		8	4,964.54	8	4,627.14	8	4,286.63	8	3,944.75	8	3,602.69	8	3,260.71	8	2,918.71	8	2,576.63	8	2,234.54
1/4		1/4	4,958.38	1/4	4,620.04	1/4	4,279.54	1/4	3,937.63	1/4	3,595.56	1/4	3,253.59	1/4	2,911.59	1/4	2,569.51	1/4	2,227.42
1/2		1/2	4,952.22	1/2	4,612.95	1/2	4,272.44	1/2	3,930.50	1/2	3,588.44	1/2	3,246.46	1/2	2,904.46	1/2	2,562.38	1/2	2,220.29
3/4		3/4	4,945.24	3/4	4,605.86	3/4	4,265.35	3/4	3,923.37	3/4	3,581.31	3/4	3,239.34	3/4	2,897.33	3/4	2,555.25	3/4	2,213.16
9		9	4,938.26	9	4,598.76	9	4,258.26	9	3,916.25	9	3,574.19	9	3,232.21	9	2,890.21	9	2,548.13	9	2,206.04
1/4		1/4	4,931.28	1/4	4,591.67	1/4	4,251.16	1/4	3,909.12	1/4	3,567.06	1/4	3,225.09	1/4	2,883.08	1/4	2,541.00	1/4	2,198.91
1/2		1/2	4,924.30	1/2	4,584.57	1/2	4,244.07	1/2	3,902.00	1/2	3,559.94	1/2	3,217.96	1/2	2,875.95	1/2	2,533.87	1/2	2,191.78
3/4		3/4	4,917.27	3/4	4,577.48	3/4	4,236.94	3/4	3,894.87	3/4	3,552.81	3/4	3,210.84	3/4	2,868.83	3/4	2,526.75	3/4	2,184.66
10		10	4,910.23	10	4,570.39	10	4,229.81	10	3,887.74	10	3,545.69	10	3,203.71	10	2,861.70	10	2,519.62	10	2,177.53
1/4		1/4	4,903.20	1/4	4,563.29	1/4	4,222.69	1/4	3,880.62	1/4	3,538.57	1/4	3,196.59	1/4	2,854.57	1/4	2,512.49	1/4	2,170.40
1/2		1/2	4,896.16	1/2	4,556.20	1/2	4,215.56	1/2	3,873.49	1/2	3,531.44	1/2	3,189.47	1/2	2,847.45	1/2	2,505.37	1/2	2,163.27
3/4		3/4	4,889.12	3/4	4,549.10	3/4	4,208.43	3/4	3,866.36	3/4	3,524.32	3/4	3,182.34	3/4	2,840.32	3/4	2,498.24	3/4	2,156.15
11		11	4,882.07	11	4,542.01	11	4,201.31	11	3,859.24	11	3,517.19	11	3,175.22	11	2,833.19	11	2,491.11	11	2,149.02
1/4		1/4	4,875.02	1/4	4,534.92	1/4	4,194.18	1/4	3,852.11	1/4	3,510.07	1/4	3,168.09	1/4	2,826.07	1/4	2,483.98	1/4	2,141.89
1/2		1/2	4,867.97	1/2	4,527.82	1/2	4,187.06	1/2	3,844.98	1/2	3,502.94	1/2	3,160.97	1/2	2,818.94	1/2	2,476.86	1/2	2,134.77
3/4		3/4	4,860.92	3/4	4,520.73	3/4	4,179.93	3/4	3,837.86	3/4	3,495.82	3/4	3,153.84	3/4	2,811.81	3/4	2,469.73	3/4	2,127.64

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 ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

1 STBD

ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,120.51	0	1,778.42	0	1,436.33	0	1,094.24	0	752.44	0	411.44	0	103.36	0		0		0	
1/4	2,113.39	1/4	1,771.29	1/4	1,429.20	1/4	1,087.11	1/4	745.31	1/4	404.52	1/4	97.45	1/4		1/4		1/4	
1/2	2,106.26	1/2	1,764.17	1/2	1,422.08	1/2	1,079.99	1/2	738.19	1/2	397.60	1/2	91.53	1/2		1/2		1/2	
3/4	2,099.13	3/4	1,757.04	3/4	1,414.95	3/4	1,072.86	3/4	731.06	3/4	390.77	3/4	85.70	3/4		3/4		3/4	
1	2,092.01	1	1,749.91	1	1,407.82	1	1,065.73	1	723.93	1	383.93	1	79.88	1		1		1	
1/4	2,084.88	1/4	1,742.79	1/4	1,400.70	1/4	1,058.60	1/4	716.81	1/4	377.10	1/4	74.06	1/4		1/4		1/4	
1/2	2,077.75	1/2	1,735.66	1/2	1,393.57	1/2	1,051.48	1/2	709.68	1/2	370.26	1/2	68.23	1/2		1/2		1/2	
3/4	2,070.62	3/4	1,728.53	3/4	1,386.44	3/4	1,044.35	3/4	702.55	3/4	363.51	3/4	62.52	3/4		3/4		3/4	
2	2,063.50	2	1,721.41	2	1,379.32	2	1,037.22	2	695.43	2	356.76	2	56.80	2		2		2	
1/4	2,056.37	1/4	1,714.28	1/4	1,372.19	1/4	1,030.10	1/4	688.30	1/4	350.01	1/4	51.08	1/4		1/4		1/4	
1/2	2,049.24	1/2	1,707.15	1/2	1,365.06	1/2	1,022.97	1/2	681.17	1/2	343.26	1/2	45.37	1/2		1/2		1/2	
3/4	2,042.12	3/4	1,700.03	3/4	1,357.93	3/4	1,015.85	3/4	674.05	3/4	336.59	3/4	40.59	3/4		3/4		3/4	
3	2,034.99	3	1,692.90	3	1,350.81	3	1,008.74	3	666.92	3	329.92	3	35.82	3		3		3	
1/4	2,027.86	1/4	1,685.77	1/4	1,343.68	1/4	1,001.62	1/4	659.79	1/4	323.25	1/4	31.04	1/4		1/4		1/4	
1/2	2,020.74	1/2	1,678.65	1/2	1,336.55	1/2	994.50	1/2	652.67	1/2	316.58	1/2	26.26	1/2		1/2		1/2	
3/4	2,013.61	3/4	1,671.52	3/4	1,329.43	3/4	987.38	3/4	645.54	3/4	310.00	3/4	23.35	3/4		3/4		3/4	
4	2,006.48	4	1,664.39	4	1,322.30	4	980.26	4	638.41	4	303.41	4	20.44	4		4		4	
1/4	1,999.36	1/4	1,657.26	1/4	1,315.17	1/4	973.15	1/4	631.29	1/4	296.83	1/4	17.53	1/4		1/4		1/4	
1/2	1,992.23	1/2	1,650.14	1/2	1,308.05	1/2	966.03	1/2	624.16	1/2	290.24	1/2	14.62	1/2		1/2		1/2	
3/4	1,985.10	3/4	1,643.01	3/4	1,300.92	3/4	958.91	3/4	617.03	3/4	283.74	3/4		3/4		3/4		3/4	
5	1,977.98	5	1,635.88	5	1,293.79	5	951.79	5	609.91	5	277.24	5		5		5		5	
1/4	1,970.85	1/4	1,628.76	1/4	1,286.67	1/4	944.67	1/4	602.78	1/4	270.74	1/4		1/4		1/4		1/4	
1/2	1,963.72	1/2	1,621.63	1/2	1,279.54	1/2	937.56	1/2	595.65	1/2	264.24	1/2		1/2		1/2		1/2	
3/4	1,956.59	3/4	1,614.50	3/4	1,272.41	3/4	930.44	3/4	588.52	3/4	257.82	3/4		3/4		3/4		3/4	
6	1,949.47	6	1,607.38	6	1,265.29	6	923.32	6	581.40	6	251.40	6		6		6		6	
1/4	1,942.34	1/4	1,600.25	1/4	1,258.16	1/4	916.20	1/4	574.27	1/4	244.98	1/4		1/4		1/4		1/4	
1/2	1,935.21	1/2	1,593.12	1/2	1,251.03	1/2	909.08	1/2	567.14	1/2	238.56	1/2		1/2		1/2		1/2	
3/4	1,928.09	3/4	1,586.00	3/4	1,243.90	3/4	901.97	3/4	560.02	3/4	232.23	3/4		3/4		3/4		3/4	
7	1,920.96	7	1,578.87	7	1,236.78	7	894.85	7	552.89	7	225.89	7		7		7		7	
1/4	1,913.83	1/4	1,571.74	1/4	1,229.65	1/4	887.73	1/4	545.76	1/4	219.56	1/4		1/4		1/4		1/4	
1/2	1,906.71	1/2	1,564.61	1/2	1,222.52	1/2	880.61	1/2	538.64	1/2	213.22	1/2		1/2		1/2		1/2	
3/4	1,899.58	3/4	1,557.49	3/4	1,215.40	3/4	873.49	3/4	531.51	3/4	206.97	3/4		3/4		3/4		3/4	
8	1,892.45	8	1,550.36	8	1,208.27	8	866.38	8	524.38	8	200.72	8		8		8		8	
1/4	1,885.33	1/4	1,543.23	1/4	1,201.14	1/4	859.26	1/4	517.26	1/4	194.47	1/4		1/4		1/4		1/4	
1/2	1,878.20	1/2	1,536.11	1/2	1,194.02	1/2	852.14	1/2	510.13	1/2	188.22	1/2		1/2		1/2		1/2	
3/4	1,871.07	3/4	1,528.98	3/4	1,186.89	3/4	845.02	3/4	503.00	3/4	182.05	3/4		3/4		3/4		3/4	
9	1,863.94	9	1,521.85	9	1,179.76	9	837.90	9	495.88	9	175.88	9		9		9		9	
1/4	1,856.82	1/4	1,514.73	1/4	1,172.64	1/4	830.79	1/4	488.75	1/4	169.71	1/4		1/4		1/4		1/4	
1/2	1,849.69	1/2	1,507.60	1/2	1,165.51	1/2	823.67	1/2	481.62	1/2	163.54	1/2		1/2		1/2		1/2	
3/4	1,842.56	3/4	1,500.47	3/4	1,158.38	3/4	816.55	3/4	474.54	3/4	157.46	3/4		3/4		3/4		3/4	
10	1,835.44	10	1,493.35	10	1,151.25	10	809.43	10	467.45	10	151.37	10		10		10		10	
1/4	1,828.31	1/4	1,486.22	1/4	1,144.13	1/4	802.31	1/4	460.37	1/4	145.29	1/4		1/4		1/4		1/4	
1/2	1,821.18	1/2	1,479.09	1/2	1,137.00	1/2	795.20	1/2	453.28	1/2	139.20	1/2		1/2		1/2		1/2	
3/4	1,814.06	3/4	1,471.97	3/4	1,129.87	3/4	788.07	3/4	446.28	3/4	133.20	3/4		3/4		3/4		3/4	
11	1,806.93	11	1,464.84	11	1,122.75	11	780.94	11	439.28	11	127.20	11		11		11		11	
1/4	1,799.80	1/4	1,457.71	1/4	1,115.62	1/4	773.82	1/4	432.28	1/4	121.20	1/4		1/4		1/4		1/4	
1/2	1,792.68	1/2	1,450.58	1/2	1,108.49	1/2	766.69	1/2	425.28	1/2	115.20	1/2		1/2		1/2		1/2	
3/4	1,785.55	3/4	1,443.46	3/4	1,101.37	3/4	759.57	3/4	418.36	3/4	109.28	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

2 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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		0		0	4,921.44	0	4,580.30	0	4,238.55	0	3,895.53	0	3,552.50	0	3,209.48	0	2,866.41	0	2,523.29
1/4		1/4		1/4	4,914.37	1/4	4,573.19	1/4	4,231.40	1/4	3,888.38	1/4	3,545.36	1/4	3,202.34	1/4	2,859.26	1/4	2,516.14
1/2		1/2		1/2	4,907.31	1/2	4,566.07	1/2	4,224.26	1/2	3,881.23	1/2	3,538.21	1/2	3,195.19	1/2	2,852.11	1/2	2,509.00
3/4		3/4		3/4	4,900.24	3/4	4,558.96	3/4	4,217.11	3/4	3,874.09	3/4	3,531.07	3/4	3,188.04	3/4	2,844.97	3/4	2,501.85
1		1		1	4,893.17	1	4,551.85	1	4,209.96	1	3,866.94	1	3,523.92	1	3,180.90	1	2,837.82	1	2,494.70
1/4		1/4		1/4	4,886.10	1/4	4,544.73	1/4	4,202.82	1/4	3,859.80	1/4	3,516.77	1/4	3,173.75	1/4	2,830.67	1/4	2,487.55
1/2		1/2		1/2	4,879.03	1/2	4,537.62	1/2	4,195.67	1/2	3,852.65	1/2	3,509.63	1/2	3,166.60	1/2	2,823.52	1/2	2,480.40
3/4		3/4		3/4	4,871.96	3/4	4,530.50	3/4	4,188.53	3/4	3,845.50	3/4	3,502.48	3/4	3,159.46	3/4	2,816.37	3/4	2,473.25
2		2		2	4,864.85	2	4,523.39	2	4,181.38	2	3,838.36	2	3,495.33	2	3,152.31	2	2,809.22	2	2,466.11
1/4		1/4		1/4	4,857.74	1/4	4,516.28	1/4	4,174.23	1/4	3,831.21	1/4	3,488.19	1/4	3,145.17	1/4	2,802.08	1/4	2,458.96
1/2		1/2		1/2	4,850.62	1/2	4,509.16	1/2	4,167.09	1/2	3,824.06	1/2	3,481.04	1/2	3,138.02	1/2	2,794.93	1/2	2,451.81
3/4		3/4		3/4	4,843.51	3/4	4,502.05	3/4	4,159.94	3/4	3,816.92	3/4	3,473.90	3/4	3,130.87	3/4	2,787.78	3/4	2,444.66
3		3		3	4,836.39	3	4,494.94	3	4,152.79	3	3,809.77	3	3,466.75	3	3,123.73	3	2,780.63	3	2,437.51
1/4		1/4		1/4	4,829.28	1/4	4,487.82	1/4	4,145.65	1/4	3,802.63	1/4	3,459.60	1/4	3,116.58	1/4	2,773.48	1/4	2,430.36
1/2		1/2		1/2	4,822.17	1/2	4,480.71	1/2	4,138.50	1/2	3,795.48	1/2	3,452.46	1/2	3,109.43	1/2	2,766.33	1/2	2,423.22
3/4		3/4		3/4	4,815.05	3/4	4,473.60	3/4	4,131.36	3/4	3,788.33	3/4	3,445.31	3/4	3,102.29	3/4	2,759.19	3/4	2,416.07
4		4		4	4,807.94	4	4,466.48	4	4,124.21	4	3,781.19	4	3,438.16	4	3,095.14	4	2,752.04	4	2,408.92
1/4		1/4		1/4	4,800.83	1/4	4,459.37	1/4	4,117.06	1/4	3,774.04	1/4	3,431.02	1/4	3,088.00	1/4	2,744.89	1/4	2,401.77
1/2		1/2		1/2	4,793.71	1/2	4,452.25	1/2	4,109.92	1/2	3,766.89	1/2	3,423.87	1/2	3,080.85	1/2	2,737.74	1/2	2,394.62
3/4		3/4		3/4	4,786.60	3/4	4,445.14	3/4	4,102.77	3/4	3,759.75	3/4	3,416.73	3/4	3,073.70	3/4	2,730.59	3/4	2,387.47
5		5		5	4,779.48	5	4,438.03	5	4,095.62	5	3,752.60	5	3,409.58	5	3,066.56	5	2,723.44	5	2,380.33
1/4		1/4		1/4	4,772.37	1/4	4,430.91	1/4	4,088.48	1/4	3,745.46	1/4	3,402.43	1/4	3,059.41	1/4	2,716.30	1/4	2,373.18
1/2		1/2		1/2	4,765.26	1/2	4,423.80	1/2	4,081.33	1/2	3,738.31	1/2	3,395.29	1/2	3,052.26	1/2	2,709.15	1/2	2,366.03
3/4		3/4	5,072.80	3/4	4,758.14	3/4	4,416.69	3/4	4,074.18	3/4	3,731.16	3/4	3,388.14	3/4	3,045.12	3/4	2,702.00	3/4	2,358.88
6		6	5,069.01	6	4,751.03	6	4,409.57	6	4,067.04	6	3,724.02	6	3,380.99	6	3,037.97	6	2,694.85	6	2,351.73
1/4		1/4	5,065.21	1/4	4,743.92	1/4	4,402.46	1/4	4,059.89	1/4	3,716.87	1/4	3,373.85	1/4	3,030.82	1/4	2,687.70	1/4	2,344.58
1/2		1/2	5,061.42	1/2	4,736.80	1/2	4,395.34	1/2	4,052.75	1/2	3,709.72	1/2	3,366.70	1/2	3,023.67	1/2	2,680.55	1/2	2,337.44
3/4		3/4	5,057.63	3/4	4,729.69	3/4	4,388.23	3/4	4,045.60	3/4	3,702.58	3/4	3,359.55	3/4	3,016.52	3/4	2,673.41	3/4	2,330.29
7		7	5,052.65	7	4,722.57	7	4,381.12	7	4,038.45	7	3,695.43	7	3,352.41	7	3,009.38	7	2,666.26	7	2,323.14
1/4		1/4	5,047.66	1/4	4,715.46	1/4	4,374.00	1/4	4,031.31	1/4	3,688.28	1/4	3,345.26	1/4	3,002.23	1/4	2,659.11	1/4	2,315.99
1/2		1/2	5,042.68	1/2	4,708.35	1/2	4,366.89	1/2	4,024.16	1/2	3,681.14	1/2	3,338.12	1/2	2,995.08	1/2	2,651.96	1/2	2,308.84
3/4		3/4	5,037.69	3/4	4,701.23	3/4	4,359.78	3/4	4,017.01	3/4	3,673.99	3/4	3,330.97	3/4	2,987.93	3/4	2,644.81	3/4	2,301.69
8		8	5,031.52	8	4,694.12	8	4,352.66	8	4,009.87	8	3,666.85	8	3,323.82	8	2,980.78	8	2,637.66	8	2,294.55
1/4		1/4	5,025.34	1/4	4,687.01	1/4	4,345.55	1/4	4,002.72	1/4	3,659.70	1/4	3,316.68	1/4	2,973.63	1/4	2,630.52	1/4	2,287.40
1/2		1/2	5,019.17	1/2	4,679.89	1/2	4,338.43	1/2	3,995.58	1/2	3,652.55	1/2	3,309.53	1/2	2,966.49	1/2	2,623.37	1/2	2,280.25
3/4		3/4	5,012.99	3/4	4,672.78	3/4	4,331.32	3/4	3,988.43	3/4	3,645.41	3/4	3,302.38	3/4	2,959.34	3/4	2,616.22	3/4	2,273.10
9		9	5,005.99	9	4,665.67	9	4,324.21	9	3,981.28	9	3,638.26	9	3,295.24	9	2,952.19	9	2,609.07	9	2,265.95
1/4		1/4	4,998.99	1/4	4,658.55	1/4	4,317.09	1/4	3,974.14	1/4	3,631.11	1/4	3,288.09	1/4	2,945.04	1/4	2,601.92	1/4	2,258.80
1/2		1/2	4,991.99	1/2	4,651.44	1/2	4,309.98	1/2	3,966.99	1/2	3,623.97	1/2	3,280.95	1/2	2,937.89	1/2	2,594.77	1/2	2,251.66
3/4		3/4	4,984.99	3/4	4,644.32	3/4	4,302.87	3/4	3,959.84	3/4	3,616.82	3/4	3,273.80	3/4	2,930.74	3/4	2,587.63	3/4	2,244.51
10		10	4,977.94	10	4,637.21	10	4,295.72	10	3,952.70	10	3,609.68	10	3,266.65	10	2,923.60	10	2,580.48	10	2,237.36
1/4		1/4	4,970.88	1/4	4,630.10	1/4	4,288.57	1/4	3,945.55	1/4	3,602.53	1/4	3,259.51	1/4	2,916.45	1/4	2,573.33	1/4	2,230.21
1/2		1/2	4,963.83	1/2	4,622.98	1/2	4,281.43	1/2	3,938.41	1/2	3,595.38	1/2	3,252.36	1/2	2,909.30	1/2	2,566.18	1/2	2,223.06
3/4		3/4	4,956.78	3/4	4,615.87	3/4	4,274.28	3/4	3,931.26	3/4	3,588.24	3/4	3,245.21	3/4	2,902.15	3/4	2,559.03	3/4	2,215.91
11		11	4,949.71	11	4,608.76	11	4,267.13	11	3,924.11	11	3,581.09	11	3,238.07	11	2,895.00	11	2,551.88	11	2,208.77
1/4		1/4	4,942.64	1/4	4,601.64	1/4	4,259.99	1/4	3,916.97	1/4	3,573.94	1/4	3,230.92	1/4	2,887.86	1/4	2,544.74	1/4	2,201.62
1/2		1/2	4,935.58	1/2	4,594.53	1/2	4,252.84	1/2	3,909.82	1/2	3,566.80	1/2	3,223.78	1/2	2,880.71	1/2	2,537.59	1/2	2,194.47
3/4		3/4	4,928.51	3/4	4,587.41	3/4	4,245.70	3/4	3,902.67	3/4	3,559.65	3/4	3,216.63	3/4	2,873.56	3/4	2,530.44	3/4	2,187.32

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 ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

2 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,180.17	0	1,837.05	0	1,493.94	0	1,150.82	0	821.34	0	479.08	0	135.98	0		0		0	
1/4	2,173.03	1/4	1,829.91	1/4	1,486.79	1/4	1,143.67	1/4	814.48	1/4	471.93	1/4	128.83	1/4		1/4		1/4	
1/2	2,165.88	1/2	1,822.76	1/2	1,479.64	1/2	1,136.52	1/2	807.61	1/2	464.79	1/2	121.69	1/2		1/2		1/2	
3/4	2,158.73	3/4	1,815.61	3/4	1,472.49	3/4	1,129.37	3/4	800.74	3/4	457.64	3/4	114.54	3/4		3/4		3/4	
1	2,151.58	1	1,808.46	1	1,465.34	1	1,122.51	1	793.59	1	450.49	1	107.40	1		1		1	
1/4	2,144.43	1/4	1,801.31	1/4	1,458.20	1/4	1,115.64	1/4	786.45	1/4	443.34	1/4	100.26	1/4		1/4		1/4	
1/2	2,137.28	1/2	1,794.17	1/2	1,451.05	1/2	1,108.77	1/2	779.30	1/2	436.19	1/2	93.13	1/2		1/2		1/2	
3/4	2,130.14	3/4	1,787.02	3/4	1,443.90	3/4	1,101.91	3/4	772.15	3/4	429.05	3/4	85.99	3/4		3/4		3/4	
2	2,122.99	2	1,779.87	2	1,436.75	2	1,095.06	2	765.00	2	421.90	2	78.88	2		2		2	
1/4	2,115.84	1/4	1,772.72	1/4	1,429.60	1/4	1,088.21	1/4	757.85	1/4	414.75	1/4	71.77	1/4		1/4		1/4	
1/2	2,108.69	1/2	1,765.57	1/2	1,422.45	1/2	1,081.36	1/2	750.71	1/2	407.60	1/2	64.65	1/2		1/2		1/2	
3/4	2,101.54	3/4	1,758.42	3/4	1,415.31	3/4	1,074.51	3/4	743.56	3/4	400.45	3/4	57.54	3/4		3/4		3/4	
3	2,094.39	3	1,751.28	3	1,408.16	3	1,067.67	3	736.41	3	393.31	3	51.29	3		3		3	
1/4	2,087.25	1/4	1,744.13	1/4	1,401.01	1/4	1,060.83	1/4	729.26	1/4	386.16	1/4	45.04	1/4		1/4		1/4	
1/2	2,080.10	1/2	1,736.98	1/2	1,393.86	1/2	1,053.99	1/2	722.11	1/2	379.01	1/2	38.78	1/2		1/2		1/2	
3/4	2,072.95	3/4	1,729.83	3/4	1,386.71	3/4	1,047.15	3/4	714.97	3/4	371.86	3/4	32.53	3/4		3/4		3/4	
4	2,065.80	4	1,722.68	4	1,379.56	4	1,040.31	4	707.82	4	364.71	4	28.06	4		4		4	
1/4	2,058.65	1/4	1,715.53	1/4	1,372.42	1/4	1,033.47	1/4	700.67	1/4	357.57	1/4	23.59	1/4		1/4		1/4	
1/2	2,051.50	1/2	1,708.39	1/2	1,365.27	1/2	1,026.63	1/2	693.52	1/2	350.42	1/2	19.13	1/2		1/2		1/2	
3/4	2,044.36	3/4	1,701.24	3/4	1,358.12	3/4	1,019.79	3/4	686.37	3/4	343.27	3/4	14.66	3/4		3/4		3/4	
5	2,037.21	5	1,694.09	5	1,350.97	5	1,012.94	5	679.23	5	336.12	5		5		5		5	
1/4	2,030.06	1/4	1,686.94	1/4	1,343.82	1/4	1,006.10	1/4	672.08	1/4	328.97	1/4		1/4		1/4		1/4	
1/2	2,022.91	1/2	1,679.79	1/2	1,336.67	1/2	999.26	1/2	664.93	1/2	321.83	1/2		1/2		1/2		1/2	
3/4	2,015.76	3/4	1,672.64	3/4	1,329.53	3/4	992.42	3/4	657.78	3/4	314.68	3/4		3/4		3/4		3/4	
6	2,008.61	6	1,665.50	6	1,322.38	6	985.58	6	650.63	6	307.53	6		6		6		6	
1/4	2,001.47	1/4	1,658.35	1/4	1,315.23	1/4	978.74	1/4	643.49	1/4	300.38	1/4		1/4		1/4		1/4	
1/2	1,994.32	1/2	1,651.20	1/2	1,308.08	1/2	971.90	1/2	636.34	1/2	293.23	1/2		1/2		1/2		1/2	
3/4	1,987.17	3/4	1,644.05	3/4	1,300.93	3/4	965.06	3/4	629.19	3/4	286.09	3/4		3/4		3/4		3/4	
7	1,980.02	7	1,636.90	7	1,293.78	7	958.22	7	622.04	7	278.94	7		7		7		7	
1/4	1,972.87	1/4	1,629.75	1/4	1,286.64	1/4	951.38	1/4	614.89	1/4	271.79	1/4		1/4		1/4		1/4	
1/2	1,965.72	1/2	1,622.61	1/2	1,279.49	1/2	944.54	1/2	607.75	1/2	264.64	1/2		1/2		1/2		1/2	
3/4	1,958.58	3/4	1,615.46	3/4	1,272.34	3/4	937.69	3/4	600.60	3/4	257.49	3/4		3/4		3/4		3/4	
8	1,951.43	8	1,608.31	8	1,265.19	8	930.85	8	593.45	8	250.35	8		8		8		8	
1/4	1,944.28	1/4	1,601.16	1/4	1,258.04	1/4	924.01	1/4	586.30	1/4	243.20	1/4		1/4		1/4		1/4	
1/2	1,937.13	1/2	1,594.01	1/2	1,250.89	1/2	917.17	1/2	579.15	1/2	236.05	1/2		1/2		1/2		1/2	
3/4	1,929.98	3/4	1,586.86	3/4	1,243.75	3/4	910.33	3/4	572.01	3/4	228.90	3/4		3/4		3/4		3/4	
9	1,922.83	9	1,579.72	9	1,236.60	9	903.49	9	564.86	9	221.75	9		9		9		9	
1/4	1,915.69	1/4	1,572.57	1/4	1,229.45	1/4	896.65	1/4	557.71	1/4	214.61	1/4		1/4		1/4		1/4	
1/2	1,908.54	1/2	1,565.42	1/2	1,222.30	1/2	889.81	1/2	550.56	1/2	207.46	1/2		1/2		1/2		1/2	
3/4	1,901.39	3/4	1,558.27	3/4	1,215.15	3/4	882.97	3/4	543.41	3/4	200.31	3/4		3/4		3/4		3/4	
10	1,894.24	10	1,551.12	10	1,208.00	10	876.13	10	536.27	10	193.16	10		10		10		10	
1/4	1,887.09	1/4	1,543.97	1/4	1,200.86	1/4	869.29	1/4	529.12	1/4	186.01	1/4		1/4		1/4		1/4	
1/2	1,879.94	1/2	1,536.83	1/2	1,193.71	1/2	862.45	1/2	521.97	1/2	178.87	1/2		1/2		1/2		1/2	
3/4	1,872.80	3/4	1,529.68	3/4	1,186.56	3/4	855.61	3/4	514.82	3/4	171.72	3/4		3/4		3/4		3/4	
11	1,865.65	11	1,522.53	11	1,179.41	11	848.76	11	507.67	11	164.57	11		11		11		11	
1/4	1,858.50	1/4	1,515.38	1/4	1,172.26	1/4	841.91	1/4	500.53	1/4	157.42	1/4		1/4		1/4		1/4	
1/2	1,851.35	1/2	1,508.23	1/2	1,165.11	1/2	835.06	1/2	493.38	1/2	150.27	1/2		1/2		1/2		1/2	
3/4	1,844.20	3/4	1,501.08	3/4	1,157.97	3/4	828.21	3/4	486.23	3/4	143.13	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

2 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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		0		0	4,934.57	0	4,592.89	0	4,250.60	0	3,907.08	0	3,563.58	0	3,220.15	0	2,876.67	0	2,533.15
1/4		1/4		1/4	4,927.49	1/4	4,585.76	1/4	4,243.44	1/4	3,899.92	1/4	3,556.43	1/4	3,213.00	1/4	2,869.52	1/4	2,525.99
1/2		1/2		1/2	4,920.41	1/2	4,578.64	1/2	4,236.29	1/2	3,892.76	1/2	3,549.28	1/2	3,205.84	1/2	2,862.36	1/2	2,518.83
3/4		3/4		3/4	4,913.33	3/4	4,571.51	3/4	4,229.13	3/4	3,885.60	3/4	3,542.12	3/4	3,198.69	3/4	2,855.20	3/4	2,511.68
1		1		1	4,906.26	1	4,564.39	1	4,221.97	1	3,878.45	1	3,534.97	1	3,191.54	1	2,848.04	1	2,504.52
1/4		1/4		1/4	4,899.18	1/4	4,557.26	1/4	4,214.82	1/4	3,871.29	1/4	3,527.81	1/4	3,184.38	1/4	2,840.89	1/4	2,497.36
1/2		1/2		1/2	4,892.10	1/2	4,550.14	1/2	4,207.66	1/2	3,864.13	1/2	3,520.66	1/2	3,177.23	1/2	2,833.73	1/2	2,490.20
3/4		3/4		3/4	4,884.97	3/4	4,543.02	3/4	4,200.50	3/4	3,856.98	3/4	3,513.50	3/4	3,170.07	3/4	2,826.57	3/4	2,483.05
2		2		2	4,877.85	2	4,535.89	2	4,193.35	2	3,849.82	2	3,506.35	2	3,162.92	2	2,819.42	2	2,475.89
1/4		1/4		1/4	4,870.73	1/4	4,528.77	1/4	4,186.19	1/4	3,842.66	1/4	3,499.19	1/4	3,155.76	1/4	2,812.26	1/4	2,468.73
1/2		1/2		1/2	4,863.60	1/2	4,521.64	1/2	4,179.03	1/2	3,835.51	1/2	3,492.04	1/2	3,148.61	1/2	2,805.10	1/2	2,461.58
3/4		3/4		3/4	4,856.48	3/4	4,514.52	3/4	4,171.88	3/4	3,828.35	3/4	3,484.88	3/4	3,141.45	3/4	2,797.95	3/4	2,454.42
3		3		3	4,849.35	3	4,507.40	3	4,164.72	3	3,821.19	3	3,477.73	3	3,134.30	3	2,790.79	3	2,447.26
1/4		1/4		1/4	4,842.23	1/4	4,500.27	1/4	4,157.56	1/4	3,814.04	1/4	3,470.57	1/4	3,127.14	1/4	2,783.63	1/4	2,440.11
1/2		1/2		1/2	4,835.10	1/2	4,493.15	1/2	4,150.41	1/2	3,806.88	1/2	3,463.42	1/2	3,119.99	1/2	2,776.48	1/2	2,432.95
3/4		3/4		3/4	4,827.98	3/4	4,486.02	3/4	4,143.25	3/4	3,799.72	3/4	3,456.26	3/4	3,112.83	3/4	2,769.32	3/4	2,425.79
4		4		4	4,820.86	4	4,478.90	4	4,136.09	4	3,792.57	4	3,449.11	4	3,105.68	4	2,762.16	4	2,418.64
1/4		1/4		1/4	4,813.73	1/4	4,471.78	1/4	4,128.94	1/4	3,785.41	1/4	3,441.95	1/4	3,098.52	1/4	2,755.01	1/4	2,411.48
1/2		1/2		1/2	4,806.61	1/2	4,464.65	1/2	4,121.78	1/2	3,778.25	1/2	3,434.80	1/2	3,091.37	1/2	2,747.85	1/2	2,404.32
3/4		3/4		3/4	4,799.48	3/4	4,457.53	3/4	4,114.62	3/4	3,771.10	3/4	3,427.64	3/4	3,084.21	3/4	2,740.69	3/4	2,397.17
5		5		5	4,792.36	5	4,450.40	5	4,107.47	5	3,763.94	5	3,420.49	5	3,077.06	5	2,733.54	5	2,390.01
1/4		1/4		1/4	4,785.24	1/4	4,443.28	1/4	4,100.31	1/4	3,756.78	1/4	3,413.33	1/4	3,069.90	1/4	2,726.38	1/4	2,382.85
1/2		1/2	5,093.24	1/2	4,778.11	1/2	4,436.16	1/2	4,093.15	1/2	3,749.63	1/2	3,406.18	1/2	3,062.75	1/2	2,719.22	1/2	2,375.70
3/4		3/4	5,089.44	3/4	4,770.99	3/4	4,429.03	3/4	4,086.00	3/4	3,742.47	3/4	3,399.02	3/4	3,055.59	3/4	2,712.07	3/4	2,368.54
6		6	5,085.64	6	4,763.86	6	4,421.91	6	4,078.84	6	3,735.31	6	3,391.87	6	3,048.44	6	2,704.91	6	2,361.38
1/4		1/4	5,081.84	1/4	4,756.74	1/4	4,414.78	1/4	4,071.68	1/4	3,728.16	1/4	3,384.71	1/4	3,041.28	1/4	2,697.75	1/4	2,354.23
1/2		1/2	5,078.04	1/2	4,749.62	1/2	4,407.66	1/2	4,064.52	1/2	3,721.00	1/2	3,377.56	1/2	3,034.12	1/2	2,690.60	1/2	2,347.07
3/4		3/4	5,073.05	3/4	4,742.49	3/4	4,400.53	3/4	4,057.37	3/4	3,713.84	3/4	3,370.41	3/4	3,026.96	3/4	2,683.44	3/4	2,339.91
7		7	5,068.06	7	4,735.37	7	4,393.41	7	4,050.21	7	3,706.68	7	3,363.25	7	3,019.81	7	2,676.28	7	2,332.76
1/4		1/4	5,063.07	1/4	4,728.24	1/4	4,386.29	1/4	4,043.05	1/4	3,699.53	1/4	3,356.10	1/4	3,012.65	1/4	2,669.12	1/4	2,325.60
1/2		1/2	5,058.08	1/2	4,721.12	1/2	4,379.16	1/2	4,035.90	1/2	3,692.37	1/2	3,348.94	1/2	3,005.49	1/2	2,661.97	1/2	2,318.44
3/4		3/4	5,051.89	3/4	4,714.00	3/4	4,372.04	3/4	4,028.74	3/4	3,685.22	3/4	3,341.79	3/4	2,998.34	3/4	2,654.81	3/4	2,311.28
8		8	5,045.71	8	4,706.87	8	4,364.91	8	4,021.58	8	3,678.06	8	3,334.63	8	2,991.18	8	2,647.65	8	2,304.13
1/4		1/4	5,039.52	1/4	4,699.75	1/4	4,357.79	1/4	4,014.43	1/4	3,670.91	1/4	3,327.48	1/4	2,984.02	1/4	2,640.50	1/4	2,296.97
1/2		1/2	5,033.34	1/2	4,692.62	1/2	4,350.67	1/2	4,007.27	1/2	3,663.75	1/2	3,320.32	1/2	2,976.87	1/2	2,633.34	1/2	2,289.81
3/4		3/4	5,026.33	3/4	4,685.50	3/4	4,343.54	3/4	4,000.11	3/4	3,656.60	3/4	3,313.17	3/4	2,969.71	3/4	2,626.18	3/4	2,282.66
9		9	5,019.32	9	4,678.37	9	4,336.42	9	3,992.96	9	3,649.44	9	3,306.01	9	2,962.55	9	2,619.03	9	2,275.50
1/4		1/4	5,012.31	1/4	4,671.25	1/4	4,329.29	1/4	3,985.80	1/4	3,642.29	1/4	3,298.86	1/4	2,955.40	1/4	2,611.87	1/4	2,268.34
1/2		1/2	5,005.30	1/2	4,664.13	1/2	4,322.17	1/2	3,978.64	1/2	3,635.13	1/2	3,291.70	1/2	2,948.24	1/2	2,604.71	1/2	2,261.19
3/4		3/4	4,998.23	3/4	4,657.00	3/4	4,315.01	3/4	3,971.49	3/4	3,627.98	3/4	3,284.55	3/4	2,941.08	3/4	2,597.56	3/4	2,254.03
10		10	4,991.17	10	4,649.88	10	4,307.86	10	3,964.33	10	3,620.82	10	3,277.39	10	2,933.93	10	2,590.40	10	2,246.87
1/4		1/4	4,984.10	1/4	4,642.75	1/4	4,300.70	1/4	3,957.17	1/4	3,613.67	1/4	3,270.24	1/4	2,926.77	1/4	2,583.24	1/4	2,239.72
1/2		1/2	4,977.04	1/2	4,635.63	1/2	4,293.54	1/2	3,950.02	1/2	3,606.51	1/2	3,263.08	1/2	2,919.61	1/2	2,576.09	1/2	2,232.56
3/4		3/4	4,969.96	3/4	4,628.51	3/4	4,286.39	3/4	3,942.86	3/4	3,599.36	3/4	3,255.93	3/4	2,912.46	3/4	2,568.93	3/4	2,225.40
11		11	4,962.89	11	4,621.38	11	4,279.23	11	3,935.70	11	3,592.20	11	3,248.77	11	2,905.30	11	2,561.77	11	2,218.25
1/4		1/4	4,955.81	1/4	4,614.26	1/4	4,272.07	1/4	3,928.55	1/4	3,585.05	1/4	3,241.62	1/4	2,898.14	1/4	2,554.62	1/4	2,211.09
1/2		1/2	4,948.73	1/2	4,607.13	1/2	4,264.92	1/2	3,921.39	1/2	3,577.89	1/2	3,234.46	1/2	2,890.99	1/2	2,547.46	1/2	2,203.93
3/4		3/4	4,941.65	3/4	4,600.01	3/4	4,257.76	3/4	3,914.23	3/4	3,570.74	3/4	3,227.31	3/4	2,883.83	3/4	2,540.30	3/4	2,196.78

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 ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

2 STBD

ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,189.62	0	1,846.09	0	1,502.57	0	1,159.04	0	816.01	0	472.49	0	128.99	0		0		0	
1/4	2,182.46	1/4	1,838.94	1/4	1,495.41	1/4	1,151.88	1/4	808.85	1/4	465.34	1/4	121.83	1/4		1/4		1/4	
1/2	2,175.31	1/2	1,831.78	1/2	1,488.25	1/2	1,144.73	1/2	801.69	1/2	458.18	1/2	114.67	1/2		1/2		1/2	
3/4	2,168.15	3/4	1,824.62	3/4	1,481.10	3/4	1,137.57	3/4	794.54	3/4	451.03	3/4	107.53	3/4		3/4		3/4	
1	2,160.99	1	1,817.47	1	1,473.94	1	1,130.41	1	787.38	1	443.87	1	100.38	1		1		1	
1/4	2,153.84	1/4	1,810.31	1/4	1,466.78	1/4	1,123.26	1/4	780.22	1/4	436.71	1/4	93.24	1/4		1/4		1/4	
1/2	2,146.68	1/2	1,803.15	1/2	1,459.63	1/2	1,116.10	1/2	773.07	1/2	429.56	1/2	86.09	1/2		1/2		1/2	
3/4	2,139.52	3/4	1,796.00	3/4	1,452.47	3/4	1,108.95	3/4	765.91	3/4	422.40	3/4	78.97	3/4		3/4		3/4	
2	2,132.36	2	1,788.84	2	1,445.31	2	1,101.80	2	758.75	2	415.24	2	71.85	2		2		2	
1/4	2,125.21	1/4	1,781.68	1/4	1,438.16	1/4	1,094.65	1/4	751.60	1/4	408.09	1/4	64.73	1/4		1/4		1/4	
1/2	2,118.05	1/2	1,774.52	1/2	1,431.00	1/2	1,087.50	1/2	744.44	1/2	400.93	1/2	57.61	1/2		1/2		1/2	
3/4	2,110.89	3/4	1,767.37	3/4	1,423.84	3/4	1,080.35	3/4	737.29	3/4	393.77	3/4	51.35	3/4		3/4		3/4	
3	2,103.74	3	1,760.21	3	1,416.68	3	1,073.21	3	730.13	3	386.62	3	45.09	3		3		3	
1/4	2,096.58	1/4	1,753.05	1/4	1,409.53	1/4	1,066.07	1/4	722.97	1/4	379.46	1/4	38.83	1/4		1/4		1/4	
1/2	2,089.42	1/2	1,745.90	1/2	1,402.37	1/2	1,058.92	1/2	715.82	1/2	372.30	1/2	32.57	1/2		1/2		1/2	
3/4	2,082.27	3/4	1,738.74	3/4	1,395.21	3/4	1,051.78	3/4	708.66	3/4	365.15	3/4	28.09	3/4		3/4		3/4	
4	2,075.11	4	1,731.58	4	1,388.06	4	1,044.64	4	701.50	4	357.99	4	23.62	4		4		4	
1/4	2,067.95	1/4	1,724.43	1/4	1,380.90	1/4	1,037.50	1/4	694.35	1/4	350.83	1/4	19.15	1/4		1/4		1/4	
1/2	2,060.80	1/2	1,717.27	1/2	1,373.74	1/2	1,030.35	1/2	687.19	1/2	343.68	1/2	14.68	1/2		1/2		1/2	
3/4	2,053.64	3/4	1,710.11	3/4	1,366.59	3/4	1,023.21	3/4	680.03	3/4	336.52	3/4		3/4		3/4		3/4	
5	2,046.48	5	1,702.96	5	1,359.43	5	1,016.07	5	672.88	5	329.36	5		5		5		5	
1/4	2,039.33	1/4	1,695.80	1/4	1,352.27	1/4	1,008.93	1/4	665.72	1/4	322.21	1/4		1/4		1/4		1/4	
1/2	2,032.17	1/2	1,688.64	1/2	1,345.12	1/2	1,001.78	1/2	658.56	1/2	315.05	1/2		1/2		1/2		1/2	
3/4	2,025.01	3/4	1,681.49	3/4	1,337.96	3/4	994.64	3/4	651.41	3/4	307.90	3/4		3/4		3/4		3/4	
6	2,017.86	6	1,674.33	6	1,330.80	6	987.50	6	644.25	6	300.74	6		6		6		6	
1/4	2,010.70	1/4	1,667.17	1/4	1,323.65	1/4	980.35	1/4	637.09	1/4	293.58	1/4		1/4		1/4		1/4	
1/2	2,003.54	1/2	1,660.02	1/2	1,316.49	1/2	973.21	1/2	629.94	1/2	286.43	1/2		1/2		1/2		1/2	
3/4	1,996.39	3/4	1,652.86	3/4	1,309.33	3/4	966.07	3/4	622.78	3/4	279.27	3/4		3/4		3/4		3/4	
7	1,989.23	7	1,645.70	7	1,302.18	7	958.93	7	615.62	7	272.11	7		7		7		7	
1/4	1,982.07	1/4	1,638.55	1/4	1,295.02	1/4	951.78	1/4	608.47	1/4	264.96	1/4		1/4		1/4		1/4	
1/2	1,974.92	1/2	1,631.39	1/2	1,287.86	1/2	944.64	1/2	601.31	1/2	257.80	1/2		1/2		1/2		1/2	
3/4	1,967.76	3/4	1,624.23	3/4	1,280.71	3/4	937.50	3/4	594.16	3/4	250.64	3/4		3/4		3/4		3/4	
8	1,960.60	8	1,617.08	8	1,273.55	8	930.35	8	587.00	8	243.49	8		8		8		8	
1/4	1,953.44	1/4	1,609.92	1/4	1,266.39	1/4	923.21	1/4	579.84	1/4	236.33	1/4		1/4		1/4		1/4	
1/2	1,946.29	1/2	1,602.76	1/2	1,259.24	1/2	916.07	1/2	572.69	1/2	229.17	1/2		1/2		1/2		1/2	
3/4	1,939.13	3/4	1,595.60	3/4	1,252.08	3/4	908.93	3/4	565.53	3/4	222.02	3/4		3/4		3/4		3/4	
9	1,931.97	9	1,588.45	9	1,244.92	9	901.78	9	558.37	9	214.86	9		9		9		9	
1/4	1,924.82	1/4	1,581.29	1/4	1,237.76	1/4	894.64	1/4	551.22	1/4	207.70	1/4		1/4		1/4		1/4	
1/2	1,917.66	1/2	1,574.13	1/2	1,230.61	1/2	887.50	1/2	544.06	1/2	200.55	1/2		1/2		1/2		1/2	
3/4	1,910.50	3/4	1,566.98	3/4	1,223.45	3/4	880.36	3/4	536.90	3/4	193.39	3/4		3/4		3/4		3/4	
10	1,903.35	10	1,559.82	10	1,216.29	10	873.21	10	529.75	10	186.23	10		10		10		10	
1/4	1,896.19	1/4	1,552.66	1/4	1,209.14	1/4	866.07	1/4	522.59	1/4	179.08	1/4		1/4		1/4		1/4	
1/2	1,889.03	1/2	1,545.51	1/2	1,201.98	1/2	858.93	1/2	515.43	1/2	171.92	1/2		1/2		1/2		1/2	
3/4	1,881.88	3/4	1,538.35	3/4	1,194.82	3/4	851.78	3/4	508.28	3/4	164.77	3/4		3/4		3/4		3/4	
11	1,874.72	11	1,531.19	11	1,187.67	11	844.62	11	501.12	11	157.61	11		11		11		11	
1/4	1,867.56	1/4	1,524.04	1/4	1,180.51	1/4	837.47	1/4	493.96	1/4	150.45	1/4		1/4		1/4		1/4	
1/2	1,860.41	1/2	1,516.88	1/2	1,173.35	1/2	830.32	1/2	486.81	1/2	143.30	1/2		1/2		1/2		1/2	
3/4	1,853.25	3/4	1,509.72	3/4	1,166.20	3/4	823.16	3/4	479.65	3/4	136.14	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

3 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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		0		0	4,278.70	0	4,070.61	0	3,862.17	0	3,653.02	0	3,444.18	0	3,173.06	0	2,832.51	0	2,491.92
1/4		1/4		1/4	4,274.39	1/4	4,066.27	1/4	3,857.81	1/4	3,648.66	1/4	3,439.83	1/4	3,165.98	1/4	2,825.42	1/4	2,484.83
1/2		1/2		1/2	4,270.08	1/2	4,061.93	1/2	3,853.45	1/2	3,644.31	1/2	3,435.49	1/2	3,158.91	1/2	2,818.32	1/2	2,477.73
3/4		3/4		3/4	4,265.77	3/4	4,057.59	3/4	3,849.10	3/4	3,639.95	3/4	3,431.15	3/4	3,151.83	3/4	2,811.22	3/4	2,470.63
1		1		1	4,261.45	1	4,053.25	1	3,844.74	1	3,635.59	1	3,426.81	1	3,144.76	1	2,804.13	1	2,463.54
1/4		1/4		1/4	4,257.14	1/4	4,048.92	1/4	3,840.38	1/4	3,631.24	1/4	3,422.47	1/4	3,137.68	1/4	2,797.03	1/4	2,456.44
1/2		1/2		1/2	4,252.81	1/2	4,044.58	1/2	3,836.02	1/2	3,626.88	1/2	3,418.13	1/2	3,130.61	1/2	2,789.94	1/2	2,449.34
3/4		3/4		3/4	4,248.47	3/4	4,040.24	3/4	3,831.67	3/4	3,622.52	3/4	3,413.79	3/4	3,123.54	3/4	2,782.84	3/4	2,442.25
2		2		2	4,244.13	2	4,035.90	2	3,827.31	2	3,618.16	2	3,409.44	2	3,116.46	2	2,775.75	2	2,435.15
1/4		1/4		1/4	4,239.79	1/4	4,031.56	1/4	3,822.95	1/4	3,613.81	1/4	3,405.10	1/4	3,109.39	1/4	2,768.65	1/4	2,428.05
1/2		1/2		1/2	4,235.45	1/2	4,027.22	1/2	3,818.59	1/2	3,609.45	1/2	3,400.76	1/2	3,102.29	1/2	2,761.56	1/2	2,420.96
3/4		3/4		3/4	4,231.12	3/4	4,022.89	3/4	3,814.24	3/4	3,605.09	3/4	3,396.42	3/4	3,095.20	3/4	2,754.46	3/4	2,413.86
3		3		3	4,226.78	3	4,018.55	3	3,809.88	3	3,600.73	3	3,392.08	3	3,088.11	3	2,747.36	3	2,406.76
1/4		1/4		1/4	4,222.44	1/4	4,014.21	1/4	3,805.52	1/4	3,596.38	1/4	3,387.74	1/4	3,081.02	1/4	2,740.27	1/4	2,399.67
1/2		1/2		1/2	4,218.10	1/2	4,009.87	1/2	3,801.17	1/2	3,592.02	1/2	3,383.40	1/2	3,073.93	1/2	2,733.17	1/2	2,392.57
3/4		3/4		3/4	4,213.76	3/4	4,005.53	3/4	3,796.81	3/4	3,587.66	3/4	3,379.05	3/4	3,066.84	3/4	2,726.08	3/4	2,385.47
4		4		4	4,209.42	4	4,001.20	4	3,792.45	4	3,583.31	4	3,374.71	4	3,059.74	4	2,718.98	4	2,378.38
1/4		1/4		1/4	4,205.09	1/4	3,996.86	1/4	3,788.09	1/4	3,578.95	1/4	3,370.37	1/4	3,052.65	1/4	2,711.89	1/4	2,371.28
1/2		1/2		1/2	4,200.75	1/2	3,992.52	1/2	3,783.74	1/2	3,574.59	1/2	3,366.05	1/2	3,045.56	1/2	2,704.79	1/2	2,364.18
3/4		3/4		3/4	4,196.41	3/4	3,988.18	3/4	3,779.38	3/4	3,570.23	3/4	3,361.73	3/4	3,038.47	3/4	2,697.70	3/4	2,357.09
5		5		5	4,192.07	5	3,983.84	5	3,775.02	5	3,565.88	5	3,357.40	5	3,031.38	5	2,690.60	5	2,349.99
1/4		1/4	4,372.46	1/4	4,187.73	1/4	3,979.51	1/4	3,770.67	1/4	3,561.52	1/4	3,353.08	1/4	3,024.28	1/4	2,683.50	1/4	2,342.89
1/2		1/2	4,370.76	1/2	4,183.40	1/2	3,975.17	1/2	3,766.31	1/2	3,557.16	1/2	3,348.76	1/2	3,017.18	1/2	2,676.41	1/2	2,335.80
3/4		3/4	4,369.06	3/4	4,179.06	3/4	3,970.83	3/4	3,761.95	3/4	3,552.81	3/4	3,344.43	3/4	3,010.07	3/4	2,669.31	3/4	2,328.70
6		6	4,367.35	6	4,174.72	6	3,966.49	6	3,757.59	6	3,548.45	6	3,340.11	6	3,002.96	6	2,662.22	6	2,321.60
1/4		1/4	4,365.65	1/4	4,170.38	1/4	3,962.15	1/4	3,753.24	1/4	3,544.09	1/4	3,335.79	1/4	2,995.85	1/4	2,655.12	1/4	2,314.51
1/2		1/2	4,363.41	1/2	4,166.04	1/2	3,957.82	1/2	3,748.88	1/2	3,539.73	1/2	3,328.71	1/2	2,988.75	1/2	2,648.03	1/2	2,307.41
3/4		3/4	4,361.18	3/4	4,161.71	3/4	3,953.48	3/4	3,744.52	3/4	3,535.38	3/4	3,321.63	3/4	2,981.64	3/4	2,640.93	3/4	2,300.31
7		7	4,358.94	7	4,157.37	7	3,949.14	7	3,740.17	7	3,531.02	7	3,314.56	7	2,974.53	7	2,633.83	7	2,293.22
1/4		1/4	4,356.70	1/4	4,153.03	1/4	3,944.80	1/4	3,735.81	1/4	3,526.66	1/4	3,307.48	1/4	2,967.42	1/4	2,626.74	1/4	2,286.12
1/2		1/2	4,353.28	1/2	4,148.69	1/2	3,940.46	1/2	3,731.45	1/2	3,522.32	1/2	3,300.41	1/2	2,960.32	1/2	2,619.64	1/2	2,279.02
3/4		3/4	4,349.86	3/4	4,144.35	3/4	3,936.12	3/4	3,727.09	3/4	3,517.98	3/4	3,293.33	3/4	2,953.21	3/4	2,612.55	3/4	2,271.93
8		8	4,346.44	8	4,140.02	8	3,931.79	8	3,722.74	8	3,513.64	8	3,286.25	8	2,946.10	8	2,605.45	8	2,264.83
1/4		1/4	4,343.01	1/4	4,135.68	1/4	3,927.45	1/4	3,718.38	1/4	3,509.30	1/4	3,279.18	1/4	2,938.99	1/4	2,598.36	1/4	2,257.73
1/2		1/2	4,338.77	1/2	4,131.34	1/2	3,923.11	1/2	3,714.02	1/2	3,504.96	1/2	3,272.10	1/2	2,931.89	1/2	2,591.26	1/2	2,250.64
3/4		3/4	4,334.53	3/4	4,127.00	3/4	3,918.77	3/4	3,709.66	3/4	3,500.61	3/4	3,265.03	3/4	2,924.78	3/4	2,584.17	3/4	2,243.54
9		9	4,330.29	9	4,122.66	9	3,914.43	9	3,705.31	9	3,496.27	9	3,257.95	9	2,917.67	9	2,577.07	9	2,236.44
1/4		1/4	4,326.05	1/4	4,118.32	1/4	3,910.10	1/4	3,700.95	1/4	3,491.93	1/4	3,250.87	1/4	2,910.56	1/4	2,569.97	1/4	2,229.35
1/2		1/2	4,321.75	1/2	4,113.99	1/2	3,905.74	1/2	3,696.59	1/2	3,487.59	1/2	3,243.80	1/2	2,903.47	1/2	2,562.88	1/2	2,222.25
3/4		3/4	4,317.45	3/4	4,109.65	3/4	3,901.38	3/4	3,692.24	3/4	3,483.25	3/4	3,236.73	3/4	2,896.37	3/4	2,555.78	3/4	2,215.15
10		10	4,313.16	10	4,105.31	10	3,897.02	10	3,687.88	10	3,478.91	10	3,229.65	10	2,889.28	10	2,548.69	10	2,208.06
1/4		1/4	4,308.86	1/4	4,100.97	1/4	3,892.67	1/4	3,683.52	1/4	3,474.57	1/4	3,222.58	1/4	2,882.18	1/4	2,541.59	1/4	2,200.96
1/2		1/2	4,304.55	1/2	4,096.63	1/2	3,888.31	1/2	3,679.16	1/2	3,470.22	1/2	3,215.50	1/2	2,875.09	1/2	2,534.50	1/2	2,193.86
3/4		3/4	4,300.25	3/4	4,092.30	3/4	3,883.95	3/4	3,674.81	3/4	3,465.88	3/4	3,208.43	3/4	2,867.99	3/4	2,527.40	3/4	2,186.77
11		11	4,295.94	11	4,087.96	11	3,879.60	11	3,670.45	11	3,461.54	11	3,201.35	11	2,860.89	11	2,520.31	11	2,179.67
1/4		1/4	4,291.63	1/4	4,083.62	1/4	3,875.24	1/4	3,666.09	1/4	3,457.20	1/4	3,194.28	1/4	2,853.80	1/4	2,513.21	1/4	2,172.57
1/2		1/2	4,287.32	1/2	4,079.28	1/2	3,870.88	1/2	3,661.74	1/2	3,452.86	1/2	3,187.20	1/2	2,846.70	1/2	2,506.11	1/2	2,165.48
3/4		3/4	4,283.01	3/4	4,074.94	3/4	3,866.52	3/4	3,657.38	3/4	3,448.52	3/4	3,180.13	3/4	2,839.61	3/4	2,499.02	3/4	2,158.38

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 ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

3 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,151.28	0	1,810.64	0	1,470.00	0	1,129.36	0	802.61	0	462.14	0	121.04	0		0		0	
1/4	2,144.19	1/4	1,803.54	1/4	1,462.90	1/4	1,122.26	1/4	795.74	1/4	455.04	1/4	113.93	1/4		1/4		1/4	
1/2	2,137.09	1/2	1,796.45	1/2	1,455.81	1/2	1,115.39	1/2	788.65	1/2	447.94	1/2	106.83	1/2		1/2		1/2	
3/4	2,129.99	3/4	1,789.35	3/4	1,448.71	3/4	1,108.53	3/4	781.55	3/4	440.84	3/4	99.73	3/4		3/4		3/4	
1	2,122.90	1	1,782.25	1	1,441.61	1	1,101.66	1	774.45	1	433.75	1	92.63	1		1		1	
1/4	2,115.80	1/4	1,775.16	1/4	1,434.52	1/4	1,094.80	1/4	767.35	1/4	426.65	1/4	85.53	1/4		1/4		1/4	
1/2	2,108.70	1/2	1,768.06	1/2	1,427.42	1/2	1,088.00	1/2	760.25	1/2	419.55	1/2	78.46	1/2		1/2		1/2	
3/4	2,101.61	3/4	1,760.96	3/4	1,420.32	3/4	1,081.20	3/4	753.16	3/4	412.45	3/4	71.38	3/4		3/4		3/4	
2	2,094.51	2	1,753.87	2	1,413.23	2	1,074.41	2	746.06	2	405.35	2	64.31	2		2		2	
1/4	2,087.41	1/4	1,746.77	1/4	1,406.13	1/4	1,067.61	1/4	738.96	1/4	398.26	1/4	57.24	1/4		1/4		1/4	
1/2	2,080.32	1/2	1,739.67	1/2	1,399.03	1/2	1,060.82	1/2	731.86	1/2	391.16	1/2	51.02	1/2		1/2		1/2	
3/4	2,073.22	3/4	1,732.58	3/4	1,391.94	3/4	1,054.04	3/4	724.76	3/4	384.06	3/4	44.80	3/4		3/4		3/4	
3	2,066.12	3	1,725.48	3	1,384.84	3	1,047.25	3	717.67	3	376.96	3	38.58	3		3		3	
1/4	2,059.03	1/4	1,718.38	1/4	1,377.74	1/4	1,040.46	1/4	710.57	1/4	369.86	1/4	32.36	1/4		1/4		1/4	
1/2	2,051.93	1/2	1,711.29	1/2	1,370.65	1/2	1,033.67	1/2	703.47	1/2	362.75	1/2	27.92	1/2		1/2		1/2	
3/4	2,044.83	3/4	1,704.19	3/4	1,363.55	3/4	1,026.88	3/4	696.37	3/4	355.65	3/4	23.47	3/4		3/4		3/4	
4	2,037.74	4	1,697.09	4	1,356.45	4	1,020.09	4	689.27	4	348.54	4	19.03	4		4		4	
1/4	2,030.64	1/4	1,690.00	1/4	1,349.36	1/4	1,013.31	1/4	682.18	1/4	341.43	1/4	14.58	1/4		1/4		1/4	
1/2	2,023.54	1/2	1,682.90	1/2	1,342.26	1/2	1,006.52	1/2	675.08	1/2	334.32	1/2		1/2		1/2		1/2	
3/4	2,016.45	3/4	1,675.80	3/4	1,335.16	3/4	999.73	3/4	667.98	3/4	327.21	3/4		3/4		3/4		3/4	
5	2,009.35	5	1,668.71	5	1,328.07	5	992.94	5	660.88	5	320.10	5		5		5		5	
1/4	2,002.25	1/4	1,661.61	1/4	1,320.97	1/4	986.15	1/4	653.78	1/4	312.99	1/4		1/4		1/4		1/4	
1/2	1,995.15	1/2	1,654.51	1/2	1,313.87	1/2	979.37	1/2	646.69	1/2	305.88	1/2		1/2		1/2		1/2	
3/4	1,988.06	3/4	1,647.42	3/4	1,306.78	3/4	972.58	3/4	639.59	3/4	298.77	3/4		3/4		3/4		3/4	
6	1,980.96	6	1,640.32	6	1,299.68	6	965.79	6	632.49	6	291.66	6		6		6		6	
1/4	1,973.86	1/4	1,633.22	1/4	1,292.58	1/4	959.00	1/4	625.39	1/4	284.55	1/4		1/4		1/4		1/4	
1/2	1,966.77	1/2	1,626.13	1/2	1,285.48	1/2	952.21	1/2	618.29	1/2	277.44	1/2		1/2		1/2		1/2	
3/4	1,959.67	3/4	1,619.03	3/4	1,278.39	3/4	945.43	3/4	611.20	3/4	270.33	3/4		3/4		3/4		3/4	
7	1,952.57	7	1,611.93	7	1,271.29	7	938.64	7	604.10	7	263.22	7		7		7		7	
1/4	1,945.48	1/4	1,604.84	1/4	1,264.19	1/4	931.85	1/4	597.00	1/4	256.11	1/4		1/4		1/4		1/4	
1/2	1,938.38	1/2	1,597.74	1/2	1,257.10	1/2	925.06	1/2	589.90	1/2	249.00	1/2		1/2		1/2		1/2	
3/4	1,931.28	3/4	1,590.64	3/4	1,250.00	3/4	918.27	3/4	582.80	3/4	241.89	3/4		3/4		3/4		3/4	
8	1,924.19	8	1,583.55	8	1,242.90	8	911.49	8	575.71	8	234.78	8		8		8		8	
1/4	1,917.09	1/4	1,576.45	1/4	1,235.81	1/4	904.70	1/4	568.61	1/4	227.67	1/4		1/4		1/4		1/4	
1/2	1,909.99	1/2	1,569.35	1/2	1,228.71	1/2	897.91	1/2	561.51	1/2	220.56	1/2		1/2		1/2		1/2	
3/4	1,902.90	3/4	1,562.26	3/4	1,221.61	3/4	891.12	3/4	554.41	3/4	213.46	3/4		3/4		3/4		3/4	
9	1,895.80	9	1,555.16	9	1,214.52	9	884.33	9	547.31	9	206.35	9		9		9		9	
1/4	1,888.70	1/4	1,548.06	1/4	1,207.42	1/4	877.55	1/4	540.22	1/4	199.24	1/4		1/4		1/4		1/4	
1/2	1,881.61	1/2	1,540.97	1/2	1,200.32	1/2	870.76	1/2	533.12	1/2	192.13	1/2		1/2		1/2		1/2	
3/4	1,874.51	3/4	1,533.87	3/4	1,193.23	3/4	863.97	3/4	526.02	3/4	185.02	3/4		3/4		3/4		3/4	
10	1,867.41	10	1,526.77	10	1,186.13	10	857.18	10	518.92	10	177.91	10		10		10		10	
1/4	1,860.32	1/4	1,519.68	1/4	1,179.03	1/4	850.39	1/4	511.82	1/4	170.80	1/4		1/4		1/4		1/4	
1/2	1,853.22	1/2	1,512.58	1/2	1,171.94	1/2	843.60	1/2	504.73	1/2	163.69	1/2		1/2		1/2		1/2	
3/4	1,846.12	3/4	1,505.48	3/4	1,164.84	3/4	836.80	3/4	497.63	3/4	156.58	3/4		3/4		3/4		3/4	
11	1,839.03	11	1,498.39	11	1,157.74	11	830.01	11	490.53	11	149.47	11		11		11		11	
1/4	1,831.93	1/4	1,491.29	1/4	1,150.65	1/4	823.21	1/4	483.43	1/4	142.36	1/4		1/4		1/4		1/4	
1/2	1,824.83	1/2	1,484.19	1/2	1,143.55	1/2	816.34	1/2	476.33	1/2	135.25	1/2		1/2		1/2		1/2	
3/4	1,817.74	3/4	1,477.10	3/4	1,136.45	3/4	809.48	3/4	469.24	3/4	128.14	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

3 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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		0		0	4,310.46	0	4,101.57	0	3,892.33	0	3,682.39	0	3,472.45	0	3,200.17	0	2,858.88	0	2,517.14
1/4		1/4		1/4	4,306.14	1/4	4,097.22	1/4	3,887.96	1/4	3,678.02	1/4	3,468.08	1/4	3,193.08	1/4	2,851.77	1/4	2,510.00
1/2		1/2		1/2	4,301.81	1/2	4,092.86	1/2	3,883.59	1/2	3,673.64	1/2	3,463.70	1/2	3,185.98	1/2	2,844.65	1/2	2,502.87
3/4		3/4		3/4	4,297.48	3/4	4,088.51	3/4	3,879.21	3/4	3,669.27	3/4	3,459.33	3/4	3,178.89	3/4	2,837.54	3/4	2,495.74
1		1		1	4,293.16	1	4,084.15	1	3,874.84	1	3,664.90	1	3,454.95	1	3,171.79	1	2,830.43	1	2,488.61
1/4		1/4		1/4	4,288.83	1/4	4,079.80	1/4	3,870.46	1/4	3,660.52	1/4	3,450.58	1/4	3,164.69	1/4	2,823.31	1/4	2,481.48
1/2		1/2		1/2	4,284.47	1/2	4,075.44	1/2	3,866.09	1/2	3,656.15	1/2	3,446.21	1/2	3,157.60	1/2	2,816.20	1/2	2,474.35
3/4		3/4		3/4	4,280.12	3/4	4,071.09	3/4	3,861.72	3/4	3,651.77	3/4	3,441.83	3/4	3,150.50	3/4	2,809.09	3/4	2,467.21
2		2		2	4,275.77	2	4,066.73	2	3,857.34	2	3,647.40	2	3,437.46	2	3,143.40	2	2,801.97	2	2,460.08
1/4		1/4		1/4	4,271.41	1/4	4,062.38	1/4	3,852.97	1/4	3,643.03	1/4	3,433.08	1/4	3,136.31	1/4	2,794.86	1/4	2,452.95
1/2		1/2		1/2	4,267.06	1/2	4,058.03	1/2	3,848.60	1/2	3,638.65	1/2	3,428.71	1/2	3,129.19	1/2	2,787.75	1/2	2,445.82
3/4		3/4		3/4	4,262.70	3/4	4,053.67	3/4	3,844.22	3/4	3,634.28	3/4	3,424.34	3/4	3,122.08	3/4	2,780.63	3/4	2,438.69
3		3		3	4,258.35	3	4,049.32	3	3,839.85	3	3,629.91	3	3,419.96	3	3,114.97	3	2,773.52	3	2,431.56
1/4		1/4		1/4	4,253.99	1/4	4,044.96	1/4	3,835.47	1/4	3,625.53	1/4	3,415.59	1/4	3,107.85	1/4	2,766.41	1/4	2,424.42
1/2		1/2		1/2	4,249.64	1/2	4,040.61	1/2	3,831.10	1/2	3,621.16	1/2	3,411.22	1/2	3,100.74	1/2	2,759.29	1/2	2,417.29
3/4		3/4		3/4	4,245.28	3/4	4,036.25	3/4	3,826.73	3/4	3,616.78	3/4	3,406.84	3/4	3,093.63	3/4	2,752.18	3/4	2,410.16
4		4		4	4,240.93	4	4,031.90	4	3,822.35	4	3,612.41	4	3,402.47	4	3,086.51	4	2,745.06	4	2,403.03
1/4		1/4		1/4	4,236.57	1/4	4,027.54	1/4	3,817.98	1/4	3,608.04	1/4	3,398.09	1/4	3,079.40	1/4	2,737.95	1/4	2,395.90
1/2		1/2		1/2	4,232.22	1/2	4,023.19	1/2	3,813.61	1/2	3,603.66	1/2	3,393.76	1/2	3,072.29	1/2	2,730.84	1/2	2,388.77
3/4		3/4		3/4	4,227.86	3/4	4,018.83	3/4	3,809.23	3/4	3,599.29	3/4	3,389.42	3/4	3,065.17	3/4	2,723.72	3/4	2,381.63
5		5		5	4,223.51	5	4,014.48	5	3,804.86	5	3,594.92	5	3,385.08	5	3,058.06	5	2,716.61	5	2,374.50
1/4		1/4	4,404.59	1/4	4,219.15	1/4	4,010.12	1/4	3,800.48	1/4	3,590.54	1/4	3,380.74	1/4	3,050.95	1/4	2,709.50	1/4	2,367.37
1/2		1/2	4,402.88	1/2	4,214.80	1/2	4,005.77	1/2	3,796.11	1/2	3,586.17	1/2	3,376.40	1/2	3,043.83	1/2	2,702.38	1/2	2,360.24
3/4		3/4	4,401.17	3/4	4,210.44	3/4	4,001.41	3/4	3,791.74	3/4	3,581.79	3/4	3,372.07	3/4	3,036.72	3/4	2,695.27	3/4	2,353.11
6		6	4,399.46	6	4,206.09	6	3,997.06	6	3,787.36	6	3,577.42	6	3,367.73	6	3,029.60	6	2,688.16	6	2,345.97
1/4		1/4	4,397.76	1/4	4,201.73	1/4	3,992.70	1/4	3,782.99	1/4	3,573.05	1/4	3,363.39	1/4	3,022.49	1/4	2,681.04	1/4	2,338.84
1/2		1/2	4,395.51	1/2	4,197.38	1/2	3,988.35	1/2	3,778.62	1/2	3,568.67	1/2	3,356.29	1/2	3,015.38	1/2	2,673.93	1/2	2,331.71
3/4		3/4	4,393.26	3/4	4,193.02	3/4	3,983.99	3/4	3,774.24	3/4	3,564.30	3/4	3,349.20	3/4	3,008.26	3/4	2,666.82	3/4	2,324.58
7		7	4,391.01	7	4,188.67	7	3,979.64	7	3,769.87	7	3,559.93	7	3,342.10	7	3,001.15	7	2,659.70	7	2,317.45
1/4		1/4	4,388.77	1/4	4,184.31	1/4	3,975.28	1/4	3,765.49	1/4	3,555.55	1/4	3,335.00	1/4	2,994.04	1/4	2,652.59	1/4	2,310.32
1/2		1/2	4,385.33	1/2	4,179.96	1/2	3,970.93	1/2	3,761.12	1/2	3,551.18	1/2	3,327.91	1/2	2,986.92	1/2	2,645.48	1/2	2,303.18
3/4		3/4	4,381.90	3/4	4,175.60	3/4	3,966.57	3/4	3,756.75	3/4	3,546.80	3/4	3,320.81	3/4	2,979.81	3/4	2,638.36	3/4	2,296.05
8		8	4,378.46	8	4,171.25	8	3,962.22	8	3,752.37	8	3,542.43	8	3,313.71	8	2,972.70	8	2,631.25	8	2,288.92
1/4		1/4	4,375.02	1/4	4,166.90	1/4	3,957.86	1/4	3,748.00	1/4	3,538.06	1/4	3,306.62	1/4	2,965.58	1/4	2,624.14	1/4	2,281.79
1/2		1/2	4,370.76	1/2	4,162.54	1/2	3,953.51	1/2	3,743.62	1/2	3,533.68	1/2	3,299.52	1/2	2,958.47	1/2	2,617.00	1/2	2,274.66
3/4		3/4	4,366.51	3/4	4,158.19	3/4	3,949.16	3/4	3,739.25	3/4	3,529.31	3/4	3,292.43	3/4	2,951.36	3/4	2,609.87	3/4	2,267.53
9		9	4,362.25	9	4,153.83	9	3,944.80	9	3,734.88	9	3,524.93	9	3,285.33	9	2,944.24	9	2,602.74	9	2,260.39
1/4		1/4	4,357.99	1/4	4,149.48	1/4	3,940.45	1/4	3,730.50	1/4	3,520.56	1/4	3,278.23	1/4	2,937.13	1/4	2,595.60	1/4	2,253.26
1/2		1/2	4,353.68	1/2	4,145.12	1/2	3,936.07	1/2	3,726.13	1/2	3,516.19	1/2	3,271.14	1/2	2,930.02	1/2	2,588.47	1/2	2,246.13
3/4		3/4	4,349.36	3/4	4,140.77	3/4	3,931.70	3/4	3,721.76	3/4	3,511.81	3/4	3,264.04	3/4	2,922.90	3/4	2,581.34	3/4	2,239.00
10		10	4,345.05	10	4,136.41	10	3,927.32	10	3,717.38	10	3,507.44	10	3,256.94	10	2,915.79	10	2,574.20	10	2,231.87
1/4		1/4	4,340.74	1/4	4,132.06	1/4	3,922.95	1/4	3,713.01	1/4	3,503.07	1/4	3,249.85	1/4	2,908.68	1/4	2,567.07	1/4	2,224.74
1/2		1/2	4,336.41	1/2	4,127.70	1/2	3,918.58	1/2	3,708.63	1/2	3,498.69	1/2	3,242.75	1/2	2,901.56	1/2	2,559.94	1/2	2,217.60
3/4		3/4	4,332.09	3/4	4,123.35	3/4	3,914.20	3/4	3,704.26	3/4	3,494.32	3/4	3,235.66	3/4	2,894.45	3/4	2,552.80	3/4	2,210.47
11		11	4,327.77	11	4,118.99	11	3,909.83	11	3,699.89	11	3,489.94	11	3,228.56	11	2,887.33	11	2,545.67	11	2,203.34
1/4		1/4	4,323.44	1/4	4,114.64	1/4	3,905.46	1/4	3,695.51	1/4	3,485.57	1/4	3,221.46	1/4	2,880.22	1/4	2,538.54	1/4	2,196.21
1/2		1/2	4,319.12	1/2	4,110.28	1/2	3,901.08	1/2	3,691.14	1/2	3,481.20	1/2	3,214.37	1/2	2,873.11	1/2	2,531.40	1/2	2,189.08
3/4		3/4	4,314.79	3/4	4,105.93	3/4	3,896.71	3/4	3,686.77	3/4	3,476.82	3/4	3,207.27	3/4	2,865.99	3/4	2,524.27	3/4	2,181.95

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 ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

3 STBD

ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,174.81	0	1,832.49	0	1,490.17	0	1,147.85	0	806.02	0	463.71	0	121.40	0		0		0	
1/4	2,167.68	1/4	1,825.36	1/4	1,483.04	1/4	1,140.72	1/4	798.89	1/4	456.58	1/4	114.27	1/4		1/4		1/4	
1/2	2,160.55	1/2	1,818.23	1/2	1,475.91	1/2	1,133.59	1/2	791.76	1/2	449.45	1/2	107.15	1/2		1/2		1/2	
3/4	2,153.42	3/4	1,811.10	3/4	1,468.78	3/4	1,126.45	3/4	784.63	3/4	442.32	3/4	100.03	3/4		3/4		3/4	
1	2,146.29	1	1,803.97	1	1,461.64	1	1,119.32	1	777.50	1	435.18	1	92.91	1		1		1	
1/4	2,139.16	1/4	1,796.83	1/4	1,454.51	1/4	1,112.19	1/4	770.37	1/4	428.05	1/4	85.79	1/4		1/4		1/4	
1/2	2,132.02	1/2	1,789.70	1/2	1,447.38	1/2	1,105.07	1/2	763.23	1/2	420.92	1/2	78.69	1/2		1/2		1/2	
3/4	2,124.89	3/4	1,782.57	3/4	1,440.25	3/4	1,097.94	3/4	756.10	3/4	413.79	3/4	71.60	3/4		3/4		3/4	
2	2,117.76	2	1,775.44	2	1,433.12	2	1,090.81	2	748.97	2	406.66	2	64.50	2		2		2	
1/4	2,110.63	1/4	1,768.31	1/4	1,425.99	1/4	1,083.69	1/4	741.84	1/4	399.53	1/4	57.41	1/4		1/4		1/4	
1/2	2,103.50	1/2	1,761.18	1/2	1,418.85	1/2	1,076.57	1/2	734.71	1/2	392.40	1/2	51.17	1/2		1/2		1/2	
3/4	2,096.37	3/4	1,754.04	3/4	1,411.72	3/4	1,069.45	3/4	727.58	3/4	385.26	3/4	44.93	3/4		3/4		3/4	
3	2,089.23	3	1,746.91	3	1,404.59	3	1,062.34	3	720.44	3	378.13	3	38.69	3		3		3	
1/4	2,082.10	1/4	1,739.78	1/4	1,397.46	1/4	1,055.22	1/4	713.31	1/4	371.00	1/4	32.45	1/4		1/4		1/4	
1/2	2,074.97	1/2	1,732.65	1/2	1,390.33	1/2	1,048.10	1/2	706.18	1/2	363.87	1/2	28.00	1/2		1/2		1/2	
3/4	2,067.84	3/4	1,725.52	3/4	1,383.20	3/4	1,040.98	3/4	699.05	3/4	356.74	3/4	23.54	3/4		3/4		3/4	
4	2,060.71	4	1,718.39	4	1,376.06	4	1,033.86	4	691.92	4	349.61	4	19.08	4		4		4	
1/4	2,053.58	1/4	1,711.25	1/4	1,368.93	1/4	1,026.75	1/4	684.79	1/4	342.48	1/4	14.63	1/4		1/4		1/4	
1/2	2,046.44	1/2	1,704.12	1/2	1,361.80	1/2	1,019.63	1/2	677.66	1/2	335.34	1/2		1/2		1/2		1/2	
3/4	2,039.31	3/4	1,696.99	3/4	1,354.67	3/4	1,012.51	3/4	670.52	3/4	328.21	3/4		3/4		3/4		3/4	
5	2,032.18	5	1,689.86	5	1,347.54	5	1,005.39	5	663.39	5	321.08	5		5		5		5	
1/4	2,025.05	1/4	1,682.73	1/4	1,340.41	1/4	998.27	1/4	656.26	1/4	313.95	1/4		1/4		1/4		1/4	
1/2	2,017.92	1/2	1,675.60	1/2	1,333.27	1/2	991.16	1/2	649.13	1/2	306.82	1/2		1/2		1/2		1/2	
3/4	2,010.79	3/4	1,668.46	3/4	1,326.14	3/4	984.04	3/4	642.00	3/4	299.69	3/4		3/4		3/4		3/4	
6	2,003.65	6	1,661.33	6	1,319.01	6	976.92	6	634.87	6	292.55	6		6		6		6	
1/4	1,996.52	1/4	1,654.20	1/4	1,311.88	1/4	969.80	1/4	627.74	1/4	285.42	1/4		1/4		1/4		1/4	
1/2	1,989.39	1/2	1,647.07	1/2	1,304.75	1/2	962.69	1/2	620.60	1/2	278.29	1/2		1/2		1/2		1/2	
3/4	1,982.26	3/4	1,639.94	3/4	1,297.62	3/4	955.57	3/4	613.47	3/4	271.16	3/4		3/4		3/4		3/4	
7	1,975.13	7	1,632.80	7	1,290.48	7	948.45	7	606.34	7	264.03	7		7		7		7	
1/4	1,967.99	1/4	1,625.67	1/4	1,283.35	1/4	941.33	1/4	599.21	1/4	256.90	1/4		1/4		1/4		1/4	
1/2	1,960.86	1/2	1,618.54	1/2	1,276.22	1/2	934.21	1/2	592.08	1/2	249.77	1/2		1/2		1/2		1/2	
3/4	1,953.73	3/4	1,611.41	3/4	1,269.09	3/4	927.10	3/4	584.95	3/4	242.63	3/4		3/4		3/4		3/4	
8	1,946.60	8	1,604.28	8	1,261.96	8	919.98	8	577.81	8	235.50	8		8		8		8	
1/4	1,939.47	1/4	1,597.15	1/4	1,254.82	1/4	912.86	1/4	570.68	1/4	228.37	1/4		1/4		1/4		1/4	
1/2	1,932.34	1/2	1,590.01	1/2	1,247.69	1/2	905.74	1/2	563.55	1/2	221.24	1/2		1/2		1/2		1/2	
3/4	1,925.20	3/4	1,582.88	3/4	1,240.56	3/4	898.63	3/4	556.42	3/4	214.11	3/4		3/4		3/4		3/4	
9	1,918.07	9	1,575.75	9	1,233.43	9	891.51	9	549.29	9	206.98	9		9		9		9	
1/4	1,910.94	1/4	1,568.62	1/4	1,226.30	1/4	884.39	1/4	542.16	1/4	199.85	1/4		1/4		1/4		1/4	
1/2	1,903.81	1/2	1,561.49	1/2	1,219.17	1/2	877.27	1/2	535.03	1/2	192.71	1/2		1/2		1/2		1/2	
3/4	1,896.68	3/4	1,554.36	3/4	1,212.03	3/4	870.16	3/4	527.89	3/4	185.58	3/4		3/4		3/4		3/4	
10	1,889.55	10	1,547.22	10	1,204.90	10	863.04	10	520.76	10	178.45	10		10		10		10	
1/4	1,882.41	1/4	1,540.09	1/4	1,197.77	1/4	855.92	1/4	513.63	1/4	171.32	1/4		1/4		1/4		1/4	
1/2	1,875.28	1/2	1,532.96	1/2	1,190.64	1/2	848.80	1/2	506.50	1/2	164.19	1/2		1/2		1/2		1/2	
3/4	1,868.15	3/4	1,525.83	3/4	1,183.51	3/4	841.67	3/4	499.37	3/4	157.06	3/4		3/4		3/4		3/4	
11	1,861.02	11	1,518.70	11	1,176.38	11	834.54	11	492.24	11	149.92	11		11		11		11	
1/4	1,853.89	1/4	1,511.57	1/4	1,169.24	1/4	827.42	1/4	485.11	1/4	142.79	1/4		1/4		1/4		1/4	
1/2	1,846.76	1/2	1,504.43	1/2	1,162.11	1/2	820.29	1/2	477.97	1/2	135.66	1/2		1/2		1/2		1/2	
3/4	1,839.62	3/4	1,497.30	3/4	1,154.98	3/4	813.15	3/4	470.84	3/4	128.53	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

INNAGE (10" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
1 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
2 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
2 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-0/8	08-0/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-0/8	08-0/8	- 10-0/8	10-0/8	- 12-1/8	12-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT	=	2'-00"	
AFT DRAFT	=	6'-00"	
DIFF.	=	4'-00"	(DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 08-1/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-03 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

April 20, 2020

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

http://www.pmacorp.net

BARGE "MPX 401"

1 PORT

INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-01 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	2.15	0	252.11	0	582.96	0	924.51	0	1,266.33	0	1,609.33	0	1,952.33	0	2,295.34	0	2,638.33	0	2,981.31
1/4	3.94	1/4	258.59	1/4	590.10	1/4	931.60	1/4	1,273.47	1/4	1,616.47	1/4	1,959.48	1/4	2,302.48	1/4	2,645.48	1/4	2,988.46
1/2	5.73	1/2	265.07	1/2	597.25	1/2	938.69	1/2	1,280.62	1/2	1,623.62	1/2	1,966.62	1/2	2,309.63	1/2	2,652.62	1/2	2,995.60
3/4	7.51	3/4	271.54	3/4	604.39	3/4	945.77	3/4	1,287.76	3/4	1,630.77	3/4	1,973.77	3/4	2,316.77	3/4	2,659.77	3/4	3,002.75
1	9.30	1	278.02	1	611.54	1	952.86	1	1,294.91	1	1,637.91	1	1,980.92	1	2,323.92	1	2,666.91	1	3,009.89
1/4	12.10	1/4	284.58	1/4	618.68	1/4	959.94	1/4	1,302.06	1/4	1,645.06	1/4	1,988.06	1/4	2,331.06	1/4	2,674.06	1/4	3,017.03
1/2	14.90	1/2	291.14	1/2	625.83	1/2	967.03	1/2	1,309.20	1/2	1,652.20	1/2	1,995.21	1/2	2,338.21	1/2	2,681.20	1/2	3,024.18
3/4	17.70	3/4	297.70	3/4	632.98	3/4	974.11	3/4	1,316.35	3/4	1,659.35	3/4	2,002.35	3/4	2,345.36	3/4	2,688.35	3/4	3,031.32
2	20.50	2	304.27	2	640.12	2	981.20	2	1,323.49	2	1,666.50	2	2,009.50	2	2,352.50	2	2,695.50	2	3,038.46
1/4	24.36	1/4	310.91	1/4	647.27	1/4	988.28	1/4	1,330.64	1/4	1,673.64	1/4	2,016.65	1/4	2,359.65	1/4	2,702.64	1/4	3,045.61
1/2	28.21	1/2	317.56	1/2	654.41	1/2	995.37	1/2	1,337.78	1/2	1,680.79	1/2	2,023.79	1/2	2,366.79	1/2	2,709.79	1/2	3,052.75
3/4	32.07	3/4	324.20	3/4	661.56	3/4	1,002.45	3/4	1,344.93	3/4	1,687.93	3/4	2,030.94	3/4	2,373.94	3/4	2,716.93	3/4	3,059.90
3	35.92	3	330.85	3	668.70	3	1,009.54	3	1,352.08	3	1,695.08	3	2,038.08	3	2,381.09	3	2,724.08	3	3,067.04
1/4	41.18	1/4	337.57	1/4	675.85	1/4	1,016.63	1/4	1,359.22	1/4	1,702.23	1/4	2,045.23	1/4	2,388.23	1/4	2,731.22	1/4	3,074.18
1/2	46.44	1/2	344.30	1/2	683.00	1/2	1,023.72	1/2	1,366.37	1/2	1,709.37	1/2	2,052.37	1/2	2,395.38	1/2	2,738.37	1/2	3,081.33
3/4	51.71	3/4	351.03	3/4	690.14	3/4	1,030.81	3/4	1,373.51	3/4	1,716.52	3/4	2,059.52	3/4	2,402.52	3/4	2,745.51	3/4	3,088.47
4	56.97	4	357.76	4	697.29	4	1,037.90	4	1,380.66	4	1,723.66	4	2,066.67	4	2,409.67	4	2,752.66	4	3,095.61
1/4	62.75	1/4	364.57	1/4	704.43	1/4	1,045.00	1/4	1,387.81	1/4	1,730.81	1/4	2,073.81	1/4	2,416.82	1/4	2,759.80	1/4	3,102.76
1/2	68.54	1/2	371.38	1/2	711.58	1/2	1,052.10	1/2	1,394.95	1/2	1,737.96	1/2	2,080.96	1/2	2,423.96	1/2	2,766.95	1/2	3,109.90
3/4	74.33	3/4	378.19	3/4	718.72	3/4	1,059.21	3/4	1,402.10	3/4	1,745.10	3/4	2,088.10	3/4	2,431.11	3/4	2,774.09	3/4	3,117.04
5	80.11	5	385.01	5	725.87	5	1,066.31	5	1,409.24	5	1,752.25	5	2,095.25	5	2,438.25	5	2,781.24	5	3,124.19
1/4	86.00	1/4	391.90	1/4	733.00	1/4	1,073.44	1/4	1,416.39	1/4	1,759.39	1/4	2,102.40	1/4	2,445.40	1/4	2,788.39	1/4	3,131.33
1/2	91.89	1/2	398.80	1/2	740.13	1/2	1,080.57	1/2	1,423.54	1/2	1,766.54	1/2	2,109.54	1/2	2,452.55	1/2	2,795.53	1/2	3,138.47
3/4	97.77	3/4	405.69	3/4	747.25	3/4	1,087.70	3/4	1,430.68	3/4	1,773.68	3/4	2,116.69	3/4	2,459.69	3/4	2,802.68	3/4	3,145.62
6	103.66	6	412.59	6	754.38	6	1,094.82	6	1,437.83	6	1,780.83	6	2,123.83	6	2,466.84	6	2,809.82	6	3,152.76
1/4	109.64	1/4	419.56	1/4	761.49	1/4	1,101.97	1/4	1,444.97	1/4	1,787.98	1/4	2,130.98	1/4	2,473.98	1/4	2,816.97	1/4	3,159.90
1/2	115.61	1/2	426.54	1/2	768.59	1/2	1,109.12	1/2	1,452.12	1/2	1,795.12	1/2	2,138.13	1/2	2,481.13	1/2	2,824.11	1/2	3,167.05
3/4	121.59	3/4	433.51	3/4	775.69	3/4	1,116.26	3/4	1,459.27	3/4	1,802.27	3/4	2,145.27	3/4	2,488.27	3/4	2,831.26	3/4	3,174.19
7	127.57	7	440.49	7	782.79	7	1,123.41	7	1,466.41	7	1,809.41	7	2,152.42	7	2,495.42	7	2,838.40	7	3,181.34
1/4	133.63	1/4	447.55	1/4	789.88	1/4	1,130.55	1/4	1,473.56	1/4	1,816.56	1/4	2,159.56	1/4	2,502.57	1/4	2,845.55	1/4	3,188.48
1/2	139.69	1/2	454.61	1/2	796.97	1/2	1,137.70	1/2	1,480.70	1/2	1,823.71	1/2	2,166.71	1/2	2,509.71	1/2	2,852.69	1/2	3,195.62
3/4	145.75	3/4	461.66	3/4	804.06	3/4	1,144.85	3/4	1,487.85	3/4	1,830.85	3/4	2,173.86	3/4	2,516.86	3/4	2,859.84	3/4	3,202.77
8	151.81	8	468.72	8	811.15	8	1,151.99	8	1,494.99	8	1,838.00	8	2,181.00	8	2,524.00	8	2,866.98	8	3,209.91
1/4	157.95	1/4	475.84	1/4	818.24	1/4	1,159.14	1/4	1,502.14	1/4	1,845.14	1/4	2,188.15	1/4	2,531.15	1/4	2,874.13	1/4	3,217.05
1/2	164.09	1/2	482.96	1/2	825.32	1/2	1,166.28	1/2	1,509.29	1/2	1,852.29	1/2	2,195.29	1/2	2,538.30	1/2	2,881.28	1/2	3,224.20
3/4	170.24	3/4	490.09	3/4	832.41	3/4	1,173.43	3/4	1,516.43	3/4	1,859.44	3/4	2,202.44	3/4	2,545.44	3/4	2,888.42	3/4	3,231.34
9	176.38	9	497.21	9	839.49	9	1,180.58	9	1,523.58	9	1,866.58	9	2,209.58	9	2,552.59	9	2,895.57	9	3,238.48
1/4	182.61	1/4	504.35	1/4	846.58	1/4	1,187.72	1/4	1,530.72	1/4	1,873.73	1/4	2,216.73	1/4	2,559.73	1/4	2,902.71	1/4	3,245.63
1/2	188.84	1/2	511.50	1/2	853.66	1/2	1,194.87	1/2	1,537.87	1/2	1,880.87	1/2	2,223.88	1/2	2,566.88	1/2	2,909.86	1/2	3,252.77
3/4	195.06	3/4	518.64	3/4	860.75	3/4	1,202.01	3/4	1,545.02	3/4	1,888.02	3/4	2,231.02	3/4	2,574.03	3/4	2,917.00	3/4	3,259.91
10	201.29	10	525.79	10	867.83	10	1,209.16	10	1,552.16	10	1,895.17	10	2,238.17	10	2,581.17	10	2,924.15	10	3,267.06
1/4	207.60	1/4	532.94	1/4	874.92	1/4	1,216.30	1/4	1,559.31	1/4	1,902.31	1/4	2,245.31	1/4	2,588.32	1/4	2,931.29	1/4	3,274.20
1/2	213.91	1/2	540.08	1/2	882.00	1/2	1,223.45	1/2	1,566.45	1/2	1,909.46	1/2	2,252.46	1/2	2,595.46	1/2	2,938.44	1/2	3,281.34
3/4	220.22	3/4	547.23	3/4	889.09	3/4	1,230.60	3/4	1,573.60	3/4	1,916.60	3/4	2,259.61	3/4	2,602.61	3/4	2,945.58	3/4	3,288.49
11	226.53	11	554.37	11	896.17	11	1,237.74	11	1,580.75	11	1,923.75	11	2,266.75	11	2,609.76	11	2,952.73	11	3,295.63
1/4	232.93	1/4	561.52	1/4	903.26	1/4	1,244.89	1/4	1,587.89	1/4	1,930.89	1/4	2,273.90	1/4	2,616.90	1/4	2,959.87	1/4	3,302.77
1/2	239.32	1/2	568.66	1/2	910.34	1/2	1,252.03	1/2	1,595.04	1/2	1,938.04	1/2	2,281.04	1/2	2,624.04	1/2	2,967.02	1/2	3,309.92
3/4	245.72	3/4	575.81	3/4	917.43	3/4	1,259.18	3/4	1,602.18	3/4	1,945.19	3/4	2,288.19	3/4	2,631.19	3/4	2,974.17	3/4	3,317.06

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 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

1 PORT

INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-01 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	3,324.21	0	3,667.10	0	4,010.08	0	4,352.61	0	4,694.02	0	5,015.29	0		0		0		0	
1/4	3,331.35	1/4	3,674.25	1/4	4,017.23	1/4	4,359.72	1/4	4,701.13	1/4	5,018.49	1/4		1/4		1/4		1/4	
1/2	3,338.49	1/2	3,681.39	1/2	4,024.38	1/2	4,366.83	1/2	4,708.25	1/2	5,021.69	1/2		1/2		1/2		1/2	
3/4	3,345.64	3/4	3,688.54	3/4	4,031.52	3/4	4,373.95	3/4	4,715.36	3/4	5,024.88	3/4		3/4		3/4		3/4	
1	3,352.78	1	3,695.68	1	4,038.67	1	4,381.06	1	4,722.47	1	5,028.08	1		1		1		1	
1/4	3,359.92	1/4	3,702.83	1/4	4,045.81	1/4	4,388.17	1/4	4,729.59	1/4	5,030.09	1/4		1/4		1/4		1/4	
1/2	3,367.07	1/2	3,709.97	1/2	4,052.96	1/2	4,395.28	1/2	4,736.70	1/2	5,032.09	1/2		1/2		1/2		1/2	
3/4	3,374.21	3/4	3,717.12	3/4	4,060.10	3/4	4,402.40	3/4	4,743.81	3/4	5,034.10	3/4		3/4		3/4		3/4	
2	3,381.35	2	3,724.26	2	4,067.25	2	4,409.51	2	4,750.92	2	5,036.11	2		2		2		2	
1/4	3,388.50	1/4	3,731.41	1/4	4,074.39	1/4	4,416.62	1/4	4,758.04	1/4	5,037.03	1/4		1/4		1/4		1/4	
1/2	3,395.64	1/2	3,738.56	1/2	4,081.54	1/2	4,423.74	1/2	4,765.15	1/2	5,037.96	1/2		1/2		1/2		1/2	
3/4	3,402.78	3/4	3,745.70	3/4	4,088.69	3/4	4,430.85	3/4	4,772.26	3/4	5,038.89	3/4		3/4		3/4		3/4	
3	3,409.93	3	3,752.85	3	4,095.83	3	4,437.96	3	4,779.37	3	5,039.82	3		3		3		3	
1/4	3,417.07	1/4	3,759.99	1/4	4,102.98	1/4	4,445.07	1/4	4,786.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,424.21	1/2	3,767.14	1/2	4,110.12	1/2	4,452.19	1/2	4,793.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,431.36	3/4	3,774.28	3/4	4,117.27	3/4	4,459.30	3/4	4,800.71	3/4		3/4		3/4		3/4		3/4	
4	3,438.50	4	3,781.43	4	4,124.41	4	4,466.41	4	4,807.83	4		4		4		4		4	
1/4	3,445.64	1/4	3,788.57	1/4	4,131.56	1/4	4,473.52	1/4	4,814.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,452.79	1/2	3,795.72	1/2	4,138.70	1/2	4,480.64	1/2	4,822.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,459.93	3/4	3,802.87	3/4	4,145.85	3/4	4,487.75	3/4	4,829.10	3/4		3/4		3/4		3/4		3/4	
5	3,467.08	5	3,810.01	5	4,152.99	5	4,494.86	5	4,836.19	5		5		5		5		5	
1/4	3,474.22	1/4	3,817.16	1/4	4,160.14	1/4	4,501.98	1/4	4,843.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,481.36	1/2	3,824.30	1/2	4,167.29	1/2	4,509.09	1/2	4,850.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,488.51	3/4	3,831.45	3/4	4,174.43	3/4	4,516.20	3/4	4,857.39	3/4		3/4		3/4		3/4		3/4	
6	3,495.65	6	3,838.59	6	4,181.58	6	4,523.31	6	4,864.46	6		6		6		6		6	
1/4	3,502.79	1/4	3,845.74	1/4	4,188.72	1/4	4,530.43	1/4	4,871.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,509.94	1/2	3,852.88	1/2	4,195.87	1/2	4,537.54	1/2	4,878.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,517.08	3/4	3,860.03	3/4	4,203.01	3/4	4,544.65	3/4	4,885.66	3/4		3/4		3/4		3/4		3/4	
7	3,524.22	7	3,867.17	7	4,210.16	7	4,551.77	7	4,892.73	7		7		7		7		7	
1/4	3,531.37	1/4	3,874.32	1/4	4,217.30	1/4	4,558.88	1/4	4,899.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.51	1/2	3,881.47	1/2	4,224.45	1/2	4,565.99	1/2	4,906.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,545.65	3/4	3,888.61	3/4	4,231.60	3/4	4,573.10	3/4	4,913.91	3/4		3/4		3/4		3/4		3/4	
8	3,552.80	8	3,895.76	8	4,238.74	8	4,580.22	8	4,920.97	8		8		8		8		8	
1/4	3,559.94	1/4	3,902.90	1/4	4,245.87	1/4	4,587.33	1/4	4,928.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,567.08	1/2	3,910.05	1/2	4,253.00	1/2	4,594.44	1/2	4,935.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,574.23	3/4	3,917.19	3/4	4,260.13	3/4	4,601.56	3/4	4,942.05	3/4		3/4		3/4		3/4		3/4	
9	3,581.37	9	3,924.34	9	4,267.25	9	4,608.67	9	4,949.08	9		9		9		9		9	
1/4	3,588.51	1/4	3,931.48	1/4	4,274.37	1/4	4,615.78	1/4	4,955.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,595.66	1/2	3,938.63	1/2	4,281.48	1/2	4,622.89	1/2	4,962.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,602.80	3/4	3,945.78	3/4	4,288.59	3/4	4,630.01	3/4	4,968.84	3/4		3/4		3/4		3/4		3/4	
10	3,609.95	10	3,952.92	10	4,295.70	10	4,637.12	10	4,975.42	10		10		10		10		10	
1/4	3,617.09	1/4	3,960.07	1/4	4,302.82	1/4	4,644.23	1/4	4,981.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,624.23	1/2	3,967.21	1/2	4,309.93	1/2	4,651.34	1/2	4,986.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,631.38	3/4	3,974.36	3/4	4,317.04	3/4	4,658.46	3/4	4,992.16	3/4		3/4		3/4		3/4		3/4	
11	3,638.52	11	3,981.50	11	4,324.16	11	4,665.57	11	4,997.74	11		11		11		11		11	
1/4	3,645.66	1/4	3,988.65	1/4	4,331.27	1/4	4,672.68	1/4	5,002.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,652.81	1/2	3,995.79	1/2	4,338.38	1/2	4,679.80	1/2	5,006.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,659.96	3/4	4,002.94	3/4	4,345.49	3/4	4,686.91	3/4	5,010.90	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

1 STBD

INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02"

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	2.15	0	251.40	0	581.40	0	923.32	0	1,265.29	0	1,607.39	0	1,949.48	0	2,291.58	0	2,633.66	0	2,975.72
1/4	3.93	1/4	257.86	1/4	588.53	1/4	930.44	1/4	1,272.42	1/4	1,614.51	1/4	1,956.61	1/4	2,298.71	1/4	2,640.78	1/4	2,982.85
1/2	5.71	1/2	264.32	1/2	595.65	1/2	937.56	1/2	1,279.54	1/2	1,621.64	1/2	1,963.74	1/2	2,305.83	1/2	2,647.91	1/2	2,989.98
3/4	7.49	3/4	270.78	3/4	602.78	3/4	944.68	3/4	1,286.67	3/4	1,628.77	3/4	1,970.86	3/4	2,312.96	3/4	2,655.04	3/4	2,997.10
1	9.27	1	277.24	1	609.91	1	951.79	1	1,293.80	1	1,635.89	1	1,977.99	1	2,320.09	1	2,662.16	1	3,004.23
1/4	12.07	1/4	283.79	1/4	617.03	1/4	958.91	1/4	1,300.93	1/4	1,643.02	1/4	1,985.12	1/4	2,327.21	1/4	2,669.29	1/4	3,011.36
1/2	14.86	1/2	290.33	1/2	624.16	1/2	966.03	1/2	1,308.05	1/2	1,650.15	1/2	1,992.24	1/2	2,334.34	1/2	2,676.42	1/2	3,018.48
3/4	17.65	3/4	296.87	3/4	631.29	3/4	973.15	3/4	1,315.18	3/4	1,657.28	3/4	1,999.37	3/4	2,341.47	3/4	2,683.54	3/4	3,025.61
2	20.44	2	303.42	2	638.41	2	980.27	2	1,322.31	2	1,664.40	2	2,006.50	2	2,348.59	2	2,690.67	2	3,032.73
1/4	24.29	1/4	310.04	1/4	645.54	1/4	987.39	1/4	1,329.43	1/4	1,671.53	1/4	2,013.63	1/4	2,355.72	1/4	2,697.79	1/4	3,039.85
1/2	28.13	1/2	316.67	1/2	652.67	1/2	994.50	1/2	1,336.56	1/2	1,678.66	1/2	2,020.75	1/2	2,362.85	1/2	2,704.92	1/2	3,046.98
3/4	31.98	3/4	323.30	3/4	659.79	3/4	1,001.62	3/4	1,343.69	3/4	1,685.78	3/4	2,027.88	3/4	2,369.98	3/4	2,712.05	3/4	3,054.10
3	35.82	3	329.92	3	666.92	3	1,008.74	3	1,350.81	3	1,692.91	3	2,035.01	3	2,377.10	3	2,719.17	3	3,061.23
1/4	41.07	1/4	336.63	1/4	674.05	1/4	1,015.86	1/4	1,357.94	1/4	1,700.04	1/4	2,042.13	1/4	2,384.23	1/4	2,726.30	1/4	3,068.35
1/2	46.31	1/2	343.34	1/2	681.17	1/2	1,022.98	1/2	1,365.07	1/2	1,707.16	1/2	2,049.26	1/2	2,391.36	1/2	2,733.43	1/2	3,075.48
3/4	51.56	3/4	350.05	3/4	688.30	3/4	1,030.11	3/4	1,372.20	3/4	1,714.29	3/4	2,056.39	3/4	2,398.48	3/4	2,740.55	3/4	3,082.60
4	56.80	4	356.76	4	695.43	4	1,037.23	4	1,379.32	4	1,721.42	4	2,063.51	4	2,405.61	4	2,747.68	4	3,089.73
1/4	62.57	1/4	363.56	1/4	702.55	1/4	1,044.35	1/4	1,386.45	1/4	1,728.55	1/4	2,070.64	1/4	2,412.74	1/4	2,754.81	1/4	3,096.85
1/2	68.34	1/2	370.35	1/2	709.68	1/2	1,051.48	1/2	1,393.58	1/2	1,735.67	1/2	2,077.77	1/2	2,419.86	1/2	2,761.93	1/2	3,103.98
3/4	74.11	3/4	377.14	3/4	716.81	3/4	1,058.61	3/4	1,400.70	3/4	1,742.80	3/4	2,084.90	3/4	2,426.99	3/4	2,769.06	3/4	3,111.10
5	79.88	5	383.94	5	723.94	5	1,065.73	5	1,407.83	5	1,749.93	5	2,092.02	5	2,434.12	5	2,776.19	5	3,118.23
1/4	85.75	1/4	390.81	1/4	731.06	1/4	1,072.86	1/4	1,414.96	1/4	1,757.05	1/4	2,099.15	1/4	2,441.25	1/4	2,783.31	1/4	3,125.35
1/2	91.62	1/2	397.69	1/2	738.19	1/2	1,079.99	1/2	1,422.08	1/2	1,764.18	1/2	2,106.28	1/2	2,448.37	1/2	2,790.44	1/2	3,132.47
3/4	97.50	3/4	404.57	3/4	745.32	3/4	1,087.12	3/4	1,429.21	3/4	1,771.31	3/4	2,113.40	3/4	2,455.50	3/4	2,797.56	3/4	3,139.60
6	103.37	6	411.44	6	752.44	6	1,094.24	6	1,436.34	6	1,778.43	6	2,120.53	6	2,462.63	6	2,804.69	6	3,146.72
1/4	109.33	1/4	418.40	1/4	759.57	1/4	1,101.37	1/4	1,443.47	1/4	1,785.56	1/4	2,127.66	1/4	2,469.75	1/4	2,811.82	1/4	3,153.85
1/2	115.28	1/2	425.36	1/2	766.69	1/2	1,108.50	1/2	1,450.59	1/2	1,792.69	1/2	2,134.78	1/2	2,476.88	1/2	2,818.94	1/2	3,160.97
3/4	121.24	3/4	432.32	3/4	773.82	3/4	1,115.62	3/4	1,457.72	3/4	1,799.82	3/4	2,141.91	3/4	2,484.01	3/4	2,826.07	3/4	3,168.10
7	127.20	7	439.28	7	780.95	7	1,122.75	7	1,464.85	7	1,806.94	7	2,149.04	7	2,491.13	7	2,833.20	7	3,175.22
1/4	133.25	1/4	446.33	1/4	788.07	1/4	1,129.88	1/4	1,471.97	1/4	1,814.07	1/4	2,156.17	1/4	2,498.26	1/4	2,840.32	1/4	3,182.35
1/2	139.29	1/2	453.37	1/2	795.19	1/2	1,137.00	1/2	1,479.10	1/2	1,821.20	1/2	2,163.29	1/2	2,505.39	1/2	2,847.45	1/2	3,189.47
3/4	145.33	3/4	460.41	3/4	802.31	3/4	1,144.13	3/4	1,486.23	3/4	1,828.32	3/4	2,170.42	3/4	2,512.52	3/4	2,854.58	3/4	3,196.60
8	151.38	8	467.46	8	809.44	8	1,151.26	8	1,493.35	8	1,835.45	8	2,177.55	8	2,519.64	8	2,861.70	8	3,203.72
1/4	157.50	1/4	474.56	1/4	816.55	1/4	1,158.39	1/4	1,500.48	1/4	1,842.58	1/4	2,184.67	1/4	2,526.77	1/4	2,868.83	1/4	3,210.84
1/2	163.63	1/2	481.67	1/2	823.67	1/2	1,165.51	1/2	1,507.61	1/2	1,849.70	1/2	2,191.80	1/2	2,533.90	1/2	2,875.95	1/2	3,217.97
3/4	169.76	3/4	488.77	3/4	830.79	3/4	1,172.64	3/4	1,514.74	3/4	1,856.83	3/4	2,198.93	3/4	2,541.02	3/4	2,883.08	3/4	3,225.09
9	175.88	9	495.88	9	837.91	9	1,179.77	9	1,521.86	9	1,863.96	9	2,206.05	9	2,548.15	9	2,890.21	9	3,232.22
1/4	182.09	1/4	503.01	1/4	845.02	1/4	1,186.89	1/4	1,528.99	1/4	1,871.09	1/4	2,213.18	1/4	2,555.28	1/4	2,897.33	1/4	3,239.34
1/2	188.30	1/2	510.13	1/2	852.14	1/2	1,194.02	1/2	1,536.12	1/2	1,878.21	1/2	2,220.31	1/2	2,562.40	1/2	2,904.46	1/2	3,246.47
3/4	194.51	3/4	517.26	3/4	859.26	3/4	1,201.15	3/4	1,543.24	3/4	1,885.34	3/4	2,227.44	3/4	2,569.53	3/4	2,911.59	3/4	3,253.59
10	200.72	10	524.39	10	866.38	10	1,208.27	10	1,550.37	10	1,892.47	10	2,234.56	10	2,576.66	10	2,918.71	10	3,260.72
1/4	207.02	1/4	531.51	1/4	873.50	1/4	1,215.40	1/4	1,557.50	1/4	1,899.59	1/4	2,241.69	1/4	2,583.79	1/4	2,925.84	1/4	3,267.84
1/2	213.31	1/2	538.64	1/2	880.61	1/2	1,222.53	1/2	1,564.62	1/2	1,906.72	1/2	2,248.82	1/2	2,590.91	1/2	2,932.97	1/2	3,274.97
3/4	219.60	3/4	545.77	3/4	887.73	3/4	1,229.66	3/4	1,571.75	3/4	1,913.85	3/4	2,255.94	3/4	2,598.04	3/4	2,940.09	3/4	3,282.09
11	225.90	11	552.89	11	894.85	11	1,236.78	11	1,578.88	11	1,920.97	11	2,263.07	11	2,605.17	11	2,947.22	11	3,289.22
1/4	232.27	1/4	560.02	1/4	901.97	1/4	1,243.91	1/4	1,586.01	1/4	1,928.10	1/4	2,270.20	1/4	2,612.29	1/4	2,954.35	1/4	3,296.34
1/2	238.65	1/2	567.15	1/2	909.09	1/2	1,251.04	1/2	1,593.13	1/2	1,935.23	1/2	2,277.32	1/2	2,619.41	1/2	2,961.47	1/2	3,303.46
3/4	245.03	3/4	574.27	3/4	916.20	3/4	1,258.16	3/4	1,600.26	3/4	1,942.36	3/4	2,284.45	3/4	2,626.53	3/4	2,968.60	3/4	3,310.59

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 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "MPX 401"

1 STBD

INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02"

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	3,317.71	0	3,659.70	0	4,001.77	0	4,343.39	0	4,683.89	0	5,004.31	0		0		0		0	
1/4	3,324.84	1/4	3,666.82	1/4	4,008.90	1/4	4,350.48	1/4	4,690.99	1/4	5,007.50	1/4		1/4		1/4		1/4	
1/2	3,331.96	1/2	3,673.95	1/2	4,016.02	1/2	4,357.57	1/2	4,698.08	1/2	5,010.68	1/2		1/2		1/2		1/2	
3/4	3,339.09	3/4	3,681.08	3/4	4,023.15	3/4	4,364.67	3/4	4,705.17	3/4	5,013.87	3/4		3/4		3/4		3/4	
1	3,346.21	1	3,688.20	1	4,030.28	1	4,371.76	1	4,712.27	1	5,017.06	1		1		1		1	
1/4	3,353.34	1/4	3,695.33	1/4	4,037.40	1/4	4,378.85	1/4	4,719.36	1/4	5,019.06	1/4		1/4		1/4		1/4	
1/2	3,360.46	1/2	3,702.46	1/2	4,044.53	1/2	4,385.95	1/2	4,726.46	1/2	5,021.06	1/2		1/2		1/2		1/2	
3/4	3,367.59	3/4	3,709.58	3/4	4,051.66	3/4	4,393.04	3/4	4,733.55	3/4	5,023.06	3/4		3/4		3/4		3/4	
2	3,374.71	2	3,716.71	2	4,058.78	2	4,400.14	2	4,740.64	2	5,025.07	2		2		2		2	
1/4	3,381.84	1/4	3,723.84	1/4	4,065.91	1/4	4,407.23	1/4	4,747.74	1/4	5,025.99	1/4		1/4		1/4		1/4	
1/2	3,388.96	1/2	3,730.96	1/2	4,073.03	1/2	4,414.32	1/2	4,754.83	1/2	5,026.92	1/2		1/2		1/2		1/2	
3/4	3,396.08	3/4	3,738.09	3/4	4,080.16	3/4	4,421.42	3/4	4,761.93	3/4	5,027.84	3/4		3/4		3/4		3/4	
3	3,403.21	3	3,745.22	3	4,087.29	3	4,428.51	3	4,769.02	3	5,028.77	3		3		3		3	
1/4	3,410.33	1/4	3,752.34	1/4	4,094.41	1/4	4,435.61	1/4	4,776.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,417.46	1/2	3,759.47	1/2	4,101.54	1/2	4,442.70	1/2	4,783.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,424.58	3/4	3,766.60	3/4	4,108.67	3/4	4,449.79	3/4	4,790.30	3/4		3/4		3/4		3/4		3/4	
4	3,431.71	4	3,773.72	4	4,115.79	4	4,456.89	4	4,797.39	4		4		4		4		4	
1/4	3,438.83	1/4	3,780.85	1/4	4,122.92	1/4	4,463.98	1/4	4,804.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,445.96	1/2	3,787.97	1/2	4,130.05	1/2	4,471.08	1/2	4,811.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,453.08	3/4	3,795.10	3/4	4,137.17	3/4	4,478.17	3/4	4,818.61	3/4		3/4		3/4		3/4		3/4	
5	3,460.21	5	3,802.23	5	4,144.30	5	4,485.26	5	4,825.68	5		5		5		5		5	
1/4	3,467.33	1/4	3,809.35	1/4	4,151.43	1/4	4,492.36	1/4	4,832.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,474.46	1/2	3,816.48	1/2	4,158.55	1/2	4,499.45	1/2	4,839.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,481.58	3/4	3,823.61	3/4	4,165.68	3/4	4,506.55	3/4	4,846.83	3/4		3/4		3/4		3/4		3/4	
6	3,488.70	6	3,830.73	6	4,172.81	6	4,513.64	6	4,853.88	6		6		6		6		6	
1/4	3,495.83	1/4	3,837.86	1/4	4,179.93	1/4	4,520.73	1/4	4,860.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,502.95	1/2	3,844.99	1/2	4,187.06	1/2	4,527.83	1/2	4,867.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,510.08	3/4	3,852.11	3/4	4,194.19	3/4	4,534.92	3/4	4,875.02	3/4		3/4		3/4		3/4		3/4	
7	3,517.20	7	3,859.24	7	4,201.31	7	4,542.01	7	4,882.07	7		7		7		7		7	
1/4	3,524.33	1/4	3,866.37	1/4	4,208.44	1/4	4,549.11	1/4	4,889.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,531.45	1/2	3,873.49	1/2	4,215.56	1/2	4,556.20	1/2	4,896.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,538.58	3/4	3,880.62	3/4	4,222.69	3/4	4,563.30	3/4	4,903.20	3/4		3/4		3/4		3/4		3/4	
8	3,545.70	8	3,887.75	8	4,229.82	8	4,570.39	8	4,910.24	8		8		8		8		8	
1/4	3,552.83	1/4	3,894.87	1/4	4,236.93	1/4	4,577.48	1/4	4,917.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,559.95	1/2	3,902.00	1/2	4,244.04	1/2	4,584.58	1/2	4,924.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,567.07	3/4	3,909.13	3/4	4,251.15	3/4	4,591.67	3/4	4,931.26	3/4		3/4		3/4		3/4		3/4	
9	3,574.20	9	3,916.25	9	4,258.26	9	4,598.77	9	4,938.27	9		9		9		9		9	
1/4	3,581.32	1/4	3,923.38	1/4	4,265.35	1/4	4,605.86	1/4	4,944.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.45	1/2	3,930.50	1/2	4,272.45	1/2	4,612.95	1/2	4,951.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,595.57	3/4	3,937.63	3/4	4,279.54	3/4	4,620.05	3/4	4,957.97	3/4		3/4		3/4		3/4		3/4	
10	3,602.70	10	3,944.76	10	4,286.63	10	4,627.14	10	4,964.54	10		10		10		10		10	
1/4	3,609.82	1/4	3,951.88	1/4	4,293.73	1/4	4,634.24	1/4	4,970.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,616.94	1/2	3,959.01	1/2	4,300.82	1/2	4,641.33	1/2	4,975.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,624.07	3/4	3,966.14	3/4	4,307.92	3/4	4,648.42	3/4	4,981.24	3/4		3/4		3/4		3/4		3/4	
11	3,631.19	11	3,973.26	11	4,315.01	11	4,655.52	11	4,986.80	11		11		11		11		11	
1/4	3,638.32	1/4	3,980.39	1/4	4,322.10	1/4	4,662.61	1/4	4,991.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,645.44	1/2	3,987.52	1/2	4,329.20	1/2	4,669.70	1/2	4,995.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,652.57	3/4	3,994.64	3/4	4,336.29	3/4	4,676.80	3/4	4,999.93	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

2 PORT

INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-01 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	2.15	0	300.38	0	643.49	0	978.74	0	1,315.23	0	1,658.35	0	2,001.47	0	2,344.59	0	2,687.70	0	3,030.82
1/4	3.94	1/4	307.53	1/4	650.64	1/4	985.58	1/4	1,322.38	1/4	1,665.50	1/4	2,008.62	1/4	2,351.73	1/4	2,694.85	1/4	3,037.97
1/2	5.73	1/2	314.68	1/2	657.78	1/2	992.42	1/2	1,329.53	1/2	1,672.65	1/2	2,015.76	1/2	2,358.88	1/2	2,702.00	1/2	3,045.12
3/4	7.51	3/4	321.83	3/4	664.93	3/4	999.26	3/4	1,336.68	3/4	1,679.79	3/4	2,022.91	3/4	2,366.03	3/4	2,709.15	3/4	3,052.26
1	9.30	1	328.98	1	672.08	1	1,006.11	1	1,343.82	1	1,686.94	1	2,030.06	1	2,373.18	1	2,716.30	1	3,059.41
1/4	12.87	1/4	336.12	1/4	679.23	1/4	1,012.95	1/4	1,350.97	1/4	1,694.09	1/4	2,037.21	1/4	2,380.33	1/4	2,723.45	1/4	3,066.56
1/2	16.45	1/2	343.27	1/2	686.38	1/2	1,019.79	1/2	1,358.12	1/2	1,701.24	1/2	2,044.36	1/2	2,387.48	1/2	2,730.59	1/2	3,073.70
3/4	20.02	3/4	350.42	3/4	693.52	3/4	1,026.63	3/4	1,365.27	3/4	1,708.39	3/4	2,051.51	3/4	2,394.62	3/4	2,737.74	3/4	3,080.85
2	23.60	2	357.57	2	700.67	2	1,033.47	2	1,372.42	2	1,715.54	2	2,058.65	2	2,401.77	2	2,744.89	2	3,088.00
1/4	28.96	1/4	364.72	1/4	707.82	1/4	1,040.31	1/4	1,379.57	1/4	1,722.68	1/4	2,065.80	1/4	2,408.92	1/4	2,752.04	1/4	3,095.14
1/2	34.32	1/2	371.86	1/2	714.97	1/2	1,047.15	1/2	1,386.71	1/2	1,729.83	1/2	2,072.95	1/2	2,416.07	1/2	2,759.19	1/2	3,102.29
3/4	39.68	3/4	379.01	3/4	722.12	3/4	1,053.99	3/4	1,393.86	3/4	1,736.98	3/4	2,080.10	3/4	2,423.22	3/4	2,766.34	3/4	3,109.44
3	45.04	3	386.16	3	729.26	3	1,060.83	3	1,401.01	3	1,744.13	3	2,087.25	3	2,430.37	3	2,773.48	3	3,116.58
1/4	51.72	1/4	393.31	1/4	736.41	1/4	1,067.68	1/4	1,408.16	1/4	1,751.28	1/4	2,094.40	1/4	2,437.51	1/4	2,780.63	1/4	3,123.73
1/2	58.40	1/2	400.46	1/2	743.56	1/2	1,074.52	1/2	1,415.31	1/2	1,758.43	1/2	2,101.54	1/2	2,444.66	1/2	2,787.78	1/2	3,130.88
3/4	65.08	3/4	407.60	3/4	750.71	3/4	1,081.37	3/4	1,422.46	3/4	1,765.57	3/4	2,108.69	3/4	2,451.81	3/4	2,794.93	3/4	3,138.02
4	71.77	4	414.75	4	757.86	4	1,088.21	4	1,429.60	4	1,772.72	4	2,115.84	4	2,458.96	4	2,802.08	4	3,145.17
1/4	78.89	1/4	421.90	1/4	765.00	1/4	1,095.07	1/4	1,436.75	1/4	1,779.87	1/4	2,122.99	1/4	2,466.11	1/4	2,809.23	1/4	3,152.31
1/2	86.02	1/2	429.05	1/2	772.15	1/2	1,101.93	1/2	1,443.90	1/2	1,787.02	1/2	2,130.14	1/2	2,473.26	1/2	2,816.37	1/2	3,159.46
3/4	93.14	3/4	436.20	3/4	779.30	3/4	1,108.79	3/4	1,451.05	3/4	1,794.17	3/4	2,137.29	3/4	2,480.40	3/4	2,823.52	3/4	3,166.61
5	100.27	5	443.34	5	786.45	5	1,115.64	5	1,458.20	5	1,801.32	5	2,144.43	5	2,487.55	5	2,830.67	5	3,173.75
1/4	107.41	1/4	450.49	1/4	793.46	1/4	1,122.65	1/4	1,465.35	1/4	1,808.46	1/4	2,151.58	1/4	2,494.70	1/4	2,837.82	1/4	3,180.90
1/2	114.55	1/2	457.64	1/2	800.47	1/2	1,129.66	1/2	1,472.49	1/2	1,815.61	1/2	2,158.73	1/2	2,501.85	1/2	2,844.97	1/2	3,188.05
3/4	121.69	3/4	464.79	3/4	807.47	3/4	1,136.66	3/4	1,479.64	3/4	1,822.76	3/4	2,165.88	3/4	2,509.00	3/4	2,852.12	3/4	3,195.19
6	128.83	6	471.94	6	814.48	6	1,143.67	6	1,486.79	6	1,829.91	6	2,173.03	6	2,516.15	6	2,859.26	6	3,202.34
1/4	135.98	1/4	479.08	1/4	821.34	1/4	1,150.82	1/4	1,493.94	1/4	1,837.06	1/4	2,180.18	1/4	2,523.29	1/4	2,866.41	1/4	3,209.48
1/2	143.13	1/2	486.23	1/2	828.20	1/2	1,157.97	1/2	1,501.09	1/2	1,844.21	1/2	2,187.32	1/2	2,530.44	1/2	2,873.56	1/2	3,216.63
3/4	150.28	3/4	493.38	3/4	835.05	3/4	1,165.12	3/4	1,508.24	3/4	1,851.35	3/4	2,194.47	3/4	2,537.59	3/4	2,880.71	3/4	3,223.78
7	157.42	7	500.53	7	841.91	7	1,172.26	7	1,515.38	7	1,858.50	7	2,201.62	7	2,544.74	7	2,887.86	7	3,230.92
1/4	164.57	1/4	507.68	1/4	848.76	1/4	1,179.41	1/4	1,522.53	1/4	1,865.65	1/4	2,208.77	1/4	2,551.89	1/4	2,895.01	1/4	3,238.07
1/2	171.72	1/2	514.82	1/2	855.60	1/2	1,186.56	1/2	1,529.68	1/2	1,872.80	1/2	2,215.92	1/2	2,559.04	1/2	2,902.15	1/2	3,245.22
3/4	178.87	3/4	521.97	3/4	862.45	3/4	1,193.71	3/4	1,536.83	3/4	1,879.95	3/4	2,223.07	3/4	2,566.18	3/4	2,909.30	3/4	3,252.36
8	186.02	8	529.12	8	869.29	8	1,200.86	8	1,543.98	8	1,887.09	8	2,230.21	8	2,573.33	8	2,916.45	8	3,259.51
1/4	193.16	1/4	536.27	1/4	876.13	1/4	1,208.01	1/4	1,551.12	1/4	1,894.24	1/4	2,237.36	1/4	2,580.48	1/4	2,923.60	1/4	3,266.65
1/2	200.31	1/2	543.42	1/2	882.97	1/2	1,215.15	1/2	1,558.27	1/2	1,901.39	1/2	2,244.51	1/2	2,587.63	1/2	2,930.75	1/2	3,273.80
3/4	207.46	3/4	550.56	3/4	889.81	3/4	1,222.30	3/4	1,565.42	3/4	1,908.54	3/4	2,251.66	3/4	2,594.78	3/4	2,937.89	3/4	3,280.95
9	214.61	9	557.71	9	896.65	9	1,229.45	9	1,572.57	9	1,915.69	9	2,258.81	9	2,601.92	9	2,945.04	9	3,288.09
1/4	221.76	1/4	564.86	1/4	903.49	1/4	1,236.60	1/4	1,579.72	1/4	1,922.84	1/4	2,265.95	1/4	2,609.07	1/4	2,952.19	1/4	3,295.24
1/2	228.90	1/2	572.01	1/2	910.33	1/2	1,243.75	1/2	1,586.87	1/2	1,929.98	1/2	2,273.10	1/2	2,616.22	1/2	2,959.34	1/2	3,302.39
3/4	236.05	3/4	579.16	3/4	917.18	3/4	1,250.90	3/4	1,594.01	3/4	1,937.13	3/4	2,280.25	3/4	2,623.37	3/4	2,966.49	3/4	3,309.53
10	243.20	10	586.30	10	924.02	10	1,258.04	10	1,601.16	10	1,944.28	10	2,287.40	10	2,630.52	10	2,973.64	10	3,316.68
1/4	250.35	1/4	593.45	1/4	930.86	1/4	1,265.19	1/4	1,608.31	1/4	1,951.43	1/4	2,294.55	1/4	2,637.67	1/4	2,980.78	1/4	3,323.83
1/2	257.50	1/2	600.60	1/2	937.70	1/2	1,272.34	1/2	1,615.46	1/2	1,958.58	1/2	2,301.70	1/2	2,644.81	1/2	2,987.93	1/2	3,330.97
3/4	264.64	3/4	607.75	3/4	944.54	3/4	1,279.49	3/4	1,622.61	3/4	1,965.73	3/4	2,308.84	3/4	2,651.96	3/4	2,995.08	3/4	3,338.12
11	271.79	11	614.90	11	951.38	11	1,286.64	11	1,629.76	11	1,972.87	11	2,315.99	11	2,659.11	11	3,002.23	11	3,345.26
1/4	278.94	1/4	622.04	1/4	958.22	1/4	1,293.79	1/4	1,636.90	1/4	1,980.02	1/4	2,323.14	1/4	2,666.26	1/4	3,009.38	1/4	3,352.41
1/2	286.09	1/2	629.19	1/2	965.06	1/2	1,300.93	1/2	1,644.05	1/2	1,987.17	1/2	2,330.29	1/2	2,673.41	1/2	3,016.53	1/2	3,359.56
3/4	293.24	3/4	636.34	3/4	971.90	3/4	1,308.08	3/4	1,651.20	3/4	1,994.32	3/4	2,337.44	3/4	2,680.56	3/4	3,023.67	3/4	3,366.70

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 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

2 PORT

INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-01 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	3,373.85	0	3,716.87	0	4,059.89	0	4,402.46	0	4,743.92	0	5,065.22	0		0		0		0	
1/4	3,381.00	1/4	3,724.02	1/4	4,067.04	1/4	4,409.57	1/4	4,751.03	1/4	5,068.41	1/4		1/4		1/4		1/4	
1/2	3,388.14	1/2	3,731.16	1/2	4,074.19	1/2	4,416.69	1/2	4,758.15	1/2	5,071.61	1/2		1/2		1/2		1/2	
3/4	3,395.29	3/4	3,738.31	3/4	4,081.33	3/4	4,423.80	3/4	4,765.26	3/4	5,074.81	3/4		3/4		3/4		3/4	
1	3,402.43	1	3,745.46	1	4,088.48	1	4,430.91	1	4,772.37	1	5,078.00	1		1		1		1	
1/4	3,409.58	1/4	3,752.60	1/4	4,095.63	1/4	4,438.03	1/4	4,779.49	1/4	5,080.01	1/4		1/4		1/4		1/4	
1/2	3,416.73	1/2	3,759.75	1/2	4,102.77	1/2	4,445.14	1/2	4,786.60	1/2	5,082.01	1/2		1/2		1/2		1/2	
3/4	3,423.87	3/4	3,766.90	3/4	4,109.92	3/4	4,452.26	3/4	4,793.71	3/4	5,084.02	3/4		3/4		3/4		3/4	
2	3,431.02	2	3,774.04	2	4,117.06	2	4,459.37	2	4,800.83	2	5,086.03	2		2		2		2	
1/4	3,438.17	1/4	3,781.19	1/4	4,124.21	1/4	4,466.48	1/4	4,807.94	1/4	5,086.95	1/4		1/4		1/4		1/4	
1/2	3,445.31	1/2	3,788.33	1/2	4,131.36	1/2	4,473.60	1/2	4,815.05	1/2	5,087.88	1/2		1/2		1/2		1/2	
3/4	3,452.46	3/4	3,795.48	3/4	4,138.50	3/4	4,480.71	3/4	4,822.17	3/4	5,088.81	3/4		3/4		3/4		3/4	
3	3,459.60	3	3,802.63	3	4,145.65	3	4,487.82	3	4,829.28	3	5,089.74	3		3		3		3	
1/4	3,466.75	1/4	3,809.77	1/4	4,152.80	1/4	4,494.94	1/4	4,836.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,473.90	1/2	3,816.92	1/2	4,159.94	1/2	4,502.05	1/2	4,843.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,481.04	3/4	3,824.07	3/4	4,167.09	3/4	4,509.17	3/4	4,850.62	3/4		3/4		3/4		3/4		3/4	
4	3,488.19	4	3,831.21	4	4,174.23	4	4,516.28	4	4,857.74	4		4		4		4		4	
1/4	3,495.34	1/4	3,838.36	1/4	4,181.38	1/4	4,523.39	1/4	4,864.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,502.48	1/2	3,845.51	1/2	4,188.53	1/2	4,530.51	1/2	4,871.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,509.63	3/4	3,852.65	3/4	4,195.67	3/4	4,537.62	3/4	4,879.01	3/4		3/4		3/4		3/4		3/4	
5	3,516.78	5	3,859.80	5	4,202.82	5	4,544.73	5	4,886.10	5		5		5		5		5	
1/4	3,523.92	1/4	3,866.94	1/4	4,209.97	1/4	4,551.85	1/4	4,893.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,531.07	1/2	3,874.09	1/2	4,217.11	1/2	4,558.96	1/2	4,900.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,538.21	3/4	3,881.24	3/4	4,224.26	3/4	4,566.08	3/4	4,907.31	3/4		3/4		3/4		3/4		3/4	
6	3,545.36	6	3,888.38	6	4,231.41	6	4,573.19	6	4,914.38	6		6		6		6		6	
1/4	3,552.51	1/4	3,895.53	1/4	4,238.55	1/4	4,580.30	1/4	4,921.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,559.65	1/2	3,902.68	1/2	4,245.70	1/2	4,587.42	1/2	4,928.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.80	3/4	3,909.82	3/4	4,252.84	3/4	4,594.53	3/4	4,935.58	3/4		3/4		3/4		3/4		3/4	
7	3,573.95	7	3,916.97	7	4,259.99	7	4,601.64	7	4,942.65	7		7		7		7		7	
1/4	3,581.09	1/4	3,924.11	1/4	4,267.14	1/4	4,608.76	1/4	4,949.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.24	1/2	3,931.26	1/2	4,274.28	1/2	4,615.87	1/2	4,956.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,595.38	3/4	3,938.41	3/4	4,281.43	3/4	4,622.98	3/4	4,963.83	3/4		3/4		3/4		3/4		3/4	
8	3,602.53	8	3,945.55	8	4,288.58	8	4,630.10	8	4,970.89	8		8		8		8		8	
1/4	3,609.68	1/4	3,952.70	1/4	4,295.71	1/4	4,637.21	1/4	4,977.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,616.82	1/2	3,959.85	1/2	4,302.84	1/2	4,644.33	1/2	4,984.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,623.97	3/4	3,966.99	3/4	4,309.97	3/4	4,651.44	3/4	4,991.97	3/4		3/4		3/4		3/4		3/4	
9	3,631.12	9	3,974.14	9	4,317.10	9	4,658.55	9	4,998.99	9		9		9		9		9	
1/4	3,638.26	1/4	3,981.28	1/4	4,324.21	1/4	4,665.67	1/4	5,005.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,645.41	1/2	3,988.43	1/2	4,331.32	1/2	4,672.78	1/2	5,012.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,652.55	3/4	3,995.58	3/4	4,338.44	3/4	4,679.89	3/4	5,018.76	3/4		3/4		3/4		3/4		3/4	
10	3,659.70	10	4,002.72	10	4,345.55	10	4,687.01	10	5,025.35	10		10		10		10		10	
1/4	3,666.85	1/4	4,009.87	1/4	4,352.66	1/4	4,694.12	1/4	5,030.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.99	1/2	4,017.02	1/2	4,359.78	1/2	4,701.24	1/2	5,036.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,681.14	3/4	4,024.16	3/4	4,366.89	3/4	4,708.35	3/4	5,042.08	3/4		3/4		3/4		3/4		3/4	
11	3,688.29	11	4,031.31	11	4,374.01	11	4,715.46	11	5,047.66	11		11		11		11		11	
1/4	3,695.43	1/4	4,038.46	1/4	4,381.12	1/4	4,722.58	1/4	5,052.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,702.58	1/2	4,045.60	1/2	4,388.23	1/2	4,729.69	1/2	5,056.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,709.73	3/4	4,052.75	3/4	4,395.35	3/4	4,736.80	3/4	5,060.83	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

2 STBD

INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02"

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	2.16	0	300.74	0	644.25	0	987.50	0	1,330.81	0	1,674.33	0	2,017.86	0	2,361.39	0	2,704.91	0	3,048.44
1/4	3.95	1/4	307.90	1/4	651.41	1/4	994.64	1/4	1,337.96	1/4	1,681.49	1/4	2,025.02	1/4	2,368.54	1/4	2,712.07	1/4	3,055.59
1/2	5.73	1/2	315.05	1/2	658.57	1/2	1,001.78	1/2	1,345.12	1/2	1,688.65	1/2	2,032.17	1/2	2,375.70	1/2	2,719.23	1/2	3,062.75
3/4	7.52	3/4	322.21	3/4	665.72	3/4	1,008.93	3/4	1,352.28	3/4	1,695.80	3/4	2,039.33	3/4	2,382.86	3/4	2,726.38	3/4	3,069.91
1	9.31	1	329.37	1	672.88	1	1,016.07	1	1,359.43	1	1,702.96	1	2,046.49	1	2,390.01	1	2,733.54	1	3,077.06
1/4	12.89	1/4	336.52	1/4	680.04	1/4	1,023.21	1/4	1,366.59	1/4	1,710.12	1/4	2,053.64	1/4	2,397.17	1/4	2,740.70	1/4	3,084.22
1/2	16.47	1/2	343.68	1/2	687.19	1/2	1,030.36	1/2	1,373.75	1/2	1,717.27	1/2	2,060.80	1/2	2,404.33	1/2	2,747.85	1/2	3,091.37
3/4	20.05	3/4	350.84	3/4	694.35	3/4	1,037.50	3/4	1,380.90	3/4	1,724.43	3/4	2,067.96	3/4	2,411.48	3/4	2,755.01	3/4	3,098.53
2	23.62	2	357.99	2	701.51	2	1,044.64	2	1,388.06	2	1,731.59	2	2,075.11	2	2,418.64	2	2,762.17	2	3,105.68
1/4	28.99	1/4	365.15	1/4	708.66	1/4	1,051.78	1/4	1,395.22	1/4	1,738.74	1/4	2,082.27	1/4	2,425.80	1/4	2,769.32	1/4	3,112.84
1/2	34.36	1/2	372.31	1/2	715.82	1/2	1,058.93	1/2	1,402.37	1/2	1,745.90	1/2	2,089.43	1/2	2,432.95	1/2	2,776.48	1/2	3,119.99
3/4	39.72	3/4	379.46	3/4	722.98	3/4	1,066.07	3/4	1,409.53	3/4	1,753.06	3/4	2,096.58	3/4	2,440.11	3/4	2,783.64	3/4	3,127.14
3	45.09	3	386.62	3	730.13	3	1,073.21	3	1,416.69	3	1,760.21	3	2,103.74	3	2,447.27	3	2,790.79	3	3,134.30
1/4	51.78	1/4	393.78	1/4	737.29	1/4	1,080.36	1/4	1,423.84	1/4	1,767.37	1/4	2,110.90	1/4	2,454.42	1/4	2,797.95	1/4	3,141.45
1/2	58.47	1/2	400.93	1/2	744.44	1/2	1,087.51	1/2	1,431.00	1/2	1,774.53	1/2	2,118.05	1/2	2,461.58	1/2	2,805.11	1/2	3,148.61
3/4	65.16	3/4	408.09	3/4	751.60	3/4	1,094.65	3/4	1,438.16	3/4	1,781.68	3/4	2,125.21	3/4	2,468.74	3/4	2,812.26	3/4	3,155.76
4	71.85	4	415.25	4	758.76	4	1,101.80	4	1,445.31	4	1,788.84	4	2,132.37	4	2,475.89	4	2,819.42	4	3,162.92
1/4	78.99	1/4	422.40	1/4	765.91	1/4	1,108.95	1/4	1,452.47	1/4	1,796.00	1/4	2,139.52	1/4	2,483.05	1/4	2,826.58	1/4	3,170.07
1/2	86.12	1/2	429.56	1/2	773.07	1/2	1,116.11	1/2	1,459.63	1/2	1,803.15	1/2	2,146.68	1/2	2,490.21	1/2	2,833.73	1/2	3,177.23
3/4	93.25	3/4	436.72	3/4	780.23	3/4	1,123.26	3/4	1,466.79	3/4	1,810.31	3/4	2,153.84	3/4	2,497.36	3/4	2,840.89	3/4	3,184.38
5	100.39	5	443.87	5	787.38	5	1,130.42	5	1,473.94	5	1,817.47	5	2,160.99	5	2,504.52	5	2,848.05	5	3,191.54
1/4	107.54	1/4	451.03	1/4	794.54	1/4	1,137.57	1/4	1,481.10	1/4	1,824.63	1/4	2,168.15	1/4	2,511.68	1/4	2,855.20	1/4	3,198.69
1/2	114.69	1/2	458.18	1/2	801.70	1/2	1,144.73	1/2	1,488.26	1/2	1,831.78	1/2	2,175.31	1/2	2,518.83	1/2	2,862.36	1/2	3,205.85
3/4	121.84	3/4	465.34	3/4	808.85	3/4	1,151.89	3/4	1,495.41	3/4	1,838.94	3/4	2,182.47	3/4	2,525.99	3/4	2,869.52	3/4	3,213.00
6	128.99	6	472.50	6	816.01	6	1,159.04	6	1,502.57	6	1,846.10	6	2,189.62	6	2,533.15	6	2,876.67	6	3,220.16
1/4	136.14	1/4	479.65	1/4	823.17	1/4	1,166.20	1/4	1,509.73	1/4	1,853.25	1/4	2,196.78	1/4	2,540.31	1/4	2,883.83	1/4	3,227.31
1/2	143.30	1/2	486.81	1/2	830.32	1/2	1,173.36	1/2	1,516.88	1/2	1,860.41	1/2	2,203.94	1/2	2,547.46	1/2	2,890.99	1/2	3,234.47
3/4	150.46	3/4	493.97	3/4	837.48	3/4	1,180.51	3/4	1,524.04	3/4	1,867.57	3/4	2,211.09	3/4	2,554.62	3/4	2,898.15	3/4	3,241.62
7	157.61	7	501.12	7	844.63	7	1,187.67	7	1,531.20	7	1,874.72	7	2,218.25	7	2,561.78	7	2,905.30	7	3,248.78
1/4	164.77	1/4	508.28	1/4	851.78	1/4	1,194.83	1/4	1,538.35	1/4	1,881.88	1/4	2,225.41	1/4	2,568.93	1/4	2,912.46	1/4	3,255.93
1/2	171.92	1/2	515.44	1/2	858.92	1/2	1,201.98	1/2	1,545.51	1/2	1,889.04	1/2	2,232.56	1/2	2,576.09	1/2	2,919.62	1/2	3,263.09
3/4	179.08	3/4	522.59	3/4	866.07	3/4	1,209.14	3/4	1,552.67	3/4	1,896.19	3/4	2,239.72	3/4	2,583.25	3/4	2,926.77	3/4	3,270.24
8	186.24	8	529.75	8	873.22	8	1,216.30	8	1,559.82	8	1,903.35	8	2,246.88	8	2,590.40	8	2,933.93	8	3,277.40
1/4	193.39	1/4	536.91	1/4	880.36	1/4	1,223.45	1/4	1,566.98	1/4	1,910.51	1/4	2,254.03	1/4	2,597.56	1/4	2,941.09	1/4	3,284.55
1/2	200.55	1/2	544.06	1/2	887.50	1/2	1,230.61	1/2	1,574.14	1/2	1,917.66	1/2	2,261.19	1/2	2,604.72	1/2	2,948.24	1/2	3,291.71
3/4	207.71	3/4	551.22	3/4	894.65	3/4	1,237.77	3/4	1,581.29	3/4	1,924.82	3/4	2,268.35	3/4	2,611.87	3/4	2,955.40	3/4	3,298.86
9	214.86	9	558.38	9	901.79	9	1,244.92	9	1,588.45	9	1,931.98	9	2,275.50	9	2,619.03	9	2,962.56	9	3,306.01
1/4	222.02	1/4	565.53	1/4	908.93	1/4	1,252.08	1/4	1,595.61	1/4	1,939.13	1/4	2,282.66	1/4	2,626.19	1/4	2,969.71	1/4	3,313.17
1/2	229.18	1/2	572.69	1/2	916.07	1/2	1,259.24	1/2	1,602.76	1/2	1,946.29	1/2	2,289.82	1/2	2,633.34	1/2	2,976.87	1/2	3,320.32
3/4	236.33	3/4	579.85	3/4	923.22	3/4	1,266.39	3/4	1,609.92	3/4	1,953.45	3/4	2,296.97	3/4	2,640.50	3/4	2,984.03	3/4	3,327.48
10	243.49	10	587.00	10	930.36	10	1,273.55	10	1,617.08	10	1,960.60	10	2,304.13	10	2,647.66	10	2,991.18	10	3,334.63
1/4	250.65	1/4	594.16	1/4	937.50	1/4	1,280.71	1/4	1,624.23	1/4	1,967.76	1/4	2,311.29	1/4	2,654.81	1/4	2,998.34	1/4	3,341.79
1/2	257.80	1/2	601.31	1/2	944.64	1/2	1,287.87	1/2	1,631.39	1/2	1,974.92	1/2	2,318.44	1/2	2,661.97	1/2	3,005.50	1/2	3,348.94
3/4	264.96	3/4	608.47	3/4	951.79	3/4	1,295.02	3/4	1,638.55	3/4	1,982.07	3/4	2,325.60	3/4	2,669.13	3/4	3,012.65	3/4	3,356.10
11	272.12	11	615.63	11	958.93	11	1,302.18	11	1,645.71	11	1,989.23	11	2,332.76	11	2,676.28	11	3,019.81	11	3,363.25
1/4	279.27	1/4	622.78	1/4	966.07	1/4	1,309.34	1/4	1,652.86	1/4	1,996.39	1/4	2,339.91	1/4	2,683.44	1/4	3,026.97	1/4	3,370.41
1/2	286.43	1/2	629.94	1/2	973.21	1/2	1,316.49	1/2	1,660.02	1/2	2,003.55	1/2	2,347.07	1/2	2,690.60	1/2	3,034.12	1/2	3,377.56
3/4	293.59	3/4	637.10	3/4	980.36	3/4	1,323.65	3/4	1,667.18	3/4	2,010.70	3/4	2,354.23	3/4	2,697.75	3/4	3,041.28	3/4	3,384.72

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 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

2 STBD

INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02"

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	3,391.87	0	3,735.31	0	4,078.84	0	4,421.91	0	4,763.87	0	5,085.64	0		0		0		0	
1/4	3,399.03	1/4	3,742.47	1/4	4,086.00	1/4	4,429.03	1/4	4,770.99	1/4	5,088.85	1/4		1/4		1/4		1/4	
1/2	3,406.18	1/2	3,749.63	1/2	4,093.15	1/2	4,436.16	1/2	4,778.11	1/2	5,092.05	1/2		1/2		1/2		1/2	
3/4	3,413.34	3/4	3,756.78	3/4	4,100.31	3/4	4,443.28	3/4	4,785.24	3/4	5,095.25	3/4		3/4		3/4		3/4	
1	3,420.49	1	3,763.94	1	4,107.47	1	4,450.41	1	4,792.36	1	5,098.46	1		1		1		1	
1/4	3,427.65	1/4	3,771.10	1/4	4,114.62	1/4	4,457.53	1/4	4,799.49	1/4	5,100.47	1/4		1/4		1/4		1/4	
1/2	3,434.80	1/2	3,778.26	1/2	4,121.78	1/2	4,464.65	1/2	4,806.61	1/2	5,102.47	1/2		1/2		1/2		1/2	
3/4	3,441.96	3/4	3,785.41	3/4	4,128.94	3/4	4,471.78	3/4	4,813.74	3/4	5,104.48	3/4		3/4		3/4		3/4	
2	3,449.11	2	3,792.57	2	4,136.10	2	4,478.90	2	4,820.86	2	5,106.49	2		2		2		2	
1/4	3,456.27	1/4	3,799.73	1/4	4,143.25	1/4	4,486.03	1/4	4,827.98	1/4	5,107.42	1/4		1/4		1/4		1/4	
1/2	3,463.42	1/2	3,806.88	1/2	4,150.41	1/2	4,493.15	1/2	4,835.11	1/2	5,108.35	1/2		1/2		1/2		1/2	
3/4	3,470.58	3/4	3,814.04	3/4	4,157.57	3/4	4,500.27	3/4	4,842.23	3/4	5,109.29	3/4		3/4		3/4		3/4	
3	3,477.73	3	3,821.20	3	4,164.72	3	4,507.40	3	4,849.36	3	5,110.22	3		3		3		3	
1/4	3,484.88	1/4	3,828.35	1/4	4,171.88	1/4	4,514.52	1/4	4,856.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,492.04	1/2	3,835.51	1/2	4,179.04	1/2	4,521.65	1/2	4,863.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,499.19	3/4	3,842.67	3/4	4,186.19	3/4	4,528.77	3/4	4,870.73	3/4		3/4		3/4		3/4		3/4	
4	3,506.35	4	3,849.82	4	4,193.35	4	4,535.90	4	4,877.85	4		4		4		4		4	
1/4	3,513.50	1/4	3,856.98	1/4	4,200.51	1/4	4,543.02	1/4	4,884.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,520.66	1/2	3,864.14	1/2	4,207.66	1/2	4,550.14	1/2	4,892.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,527.81	3/4	3,871.29	3/4	4,214.82	3/4	4,557.27	3/4	4,899.16	3/4		3/4		3/4		3/4		3/4	
5	3,534.97	5	3,878.45	5	4,221.98	5	4,564.39	5	4,906.26	5		5		5		5		5	
1/4	3,542.12	1/4	3,885.61	1/4	4,229.13	1/4	4,571.52	1/4	4,913.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,549.28	1/2	3,892.76	1/2	4,236.29	1/2	4,578.64	1/2	4,920.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,556.43	3/4	3,899.92	3/4	4,243.45	3/4	4,585.76	3/4	4,927.50	3/4		3/4		3/4		3/4		3/4	
6	3,563.59	6	3,907.08	6	4,250.60	6	4,592.89	6	4,934.57	6		6		6		6		6	
1/4	3,570.74	1/4	3,914.23	1/4	4,257.76	1/4	4,600.01	1/4	4,941.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,577.90	1/2	3,921.39	1/2	4,264.92	1/2	4,607.14	1/2	4,948.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,585.05	3/4	3,928.55	3/4	4,272.07	3/4	4,614.26	3/4	4,955.81	3/4		3/4		3/4		3/4		3/4	
7	3,592.21	7	3,935.70	7	4,279.23	7	4,621.38	7	4,962.89	7		7		7		7		7	
1/4	3,599.36	1/4	3,942.86	1/4	4,286.39	1/4	4,628.51	1/4	4,969.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,606.52	1/2	3,950.02	1/2	4,293.54	1/2	4,635.63	1/2	4,977.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,613.67	3/4	3,957.18	3/4	4,300.70	3/4	4,642.76	3/4	4,984.10	3/4		3/4		3/4		3/4		3/4	
8	3,620.83	8	3,964.33	8	4,307.86	8	4,649.88	8	4,991.17	8		8		8		8		8	
1/4	3,627.98	1/4	3,971.49	1/4	4,315.00	1/4	4,657.01	1/4	4,998.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,635.14	1/2	3,978.65	1/2	4,322.14	1/2	4,664.13	1/2	5,005.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,642.29	3/4	3,985.80	3/4	4,329.28	3/4	4,671.25	3/4	5,012.28	3/4		3/4		3/4		3/4		3/4	
9	3,649.45	9	3,992.96	9	4,336.42	9	4,678.38	9	5,019.32	9		9		9		9		9	
1/4	3,656.60	1/4	4,000.12	1/4	4,343.54	1/4	4,685.50	1/4	5,025.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.75	1/2	4,007.27	1/2	4,350.67	1/2	4,692.63	1/2	5,032.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,670.91	3/4	4,014.43	3/4	4,357.79	3/4	4,699.75	3/4	5,039.11	3/4		3/4		3/4		3/4		3/4	
10	3,678.06	10	4,021.59	10	4,364.92	10	4,706.87	10	5,045.71	10		10		10		10		10	
1/4	3,685.22	1/4	4,028.74	1/4	4,372.04	1/4	4,714.00	1/4	5,051.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,692.38	1/2	4,035.90	1/2	4,379.17	1/2	4,721.12	1/2	5,056.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,699.53	3/4	4,043.06	3/4	4,386.29	3/4	4,728.25	3/4	5,062.48	3/4		3/4		3/4		3/4		3/4	
11	3,706.69	11	4,050.21	11	4,393.41	11	4,735.37	11	5,068.06	11		11		11		11		11	
1/4	3,713.84	1/4	4,057.37	1/4	4,400.54	1/4	4,742.49	1/4	5,072.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,721.00	1/2	4,064.53	1/2	4,407.66	1/2	4,749.62	1/2	5,076.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,728.16	3/4	4,071.68	3/4	4,414.79	3/4	4,756.74	3/4	5,081.25	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

3 PORT

INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 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	2.14	0	298.77	0	639.59	0	972.58	0	1,306.77	0	1,647.41	0	1,988.06	0	2,328.70	0	2,669.31	0	3,010.07
1/4	3.92	1/4	305.88	1/4	646.69	1/4	979.36	1/4	1,313.87	1/4	1,654.51	1/4	1,995.15	1/4	2,335.79	1/4	2,676.40	1/4	3,017.17
1/2	5.70	1/2	312.99	1/2	653.78	1/2	986.15	1/2	1,320.97	1/2	1,661.61	1/2	2,002.25	1/2	2,342.89	1/2	2,683.50	1/2	3,024.27
3/4	7.47	3/4	320.10	3/4	660.88	3/4	992.94	3/4	1,328.06	3/4	1,668.70	3/4	2,009.35	3/4	2,349.99	3/4	2,690.59	3/4	3,031.37
1	9.25	1	327.21	1	667.98	1	999.73	1	1,335.16	1	1,675.80	1	2,016.44	1	2,357.08	1	2,697.69	1	3,038.47
1/4	12.81	1/4	334.32	1/4	675.08	1/4	1,006.52	1/4	1,342.26	1/4	1,682.90	1/4	2,023.54	1/4	2,364.18	1/4	2,704.79	1/4	3,045.56
1/2	16.36	1/2	341.43	1/2	682.18	1/2	1,013.31	1/2	1,349.35	1/2	1,689.99	1/2	2,030.64	1/2	2,371.28	1/2	2,711.88	1/2	3,052.65
3/4	19.92	3/4	348.54	3/4	689.27	3/4	1,020.09	3/4	1,356.45	3/4	1,697.09	3/4	2,037.73	3/4	2,378.37	3/4	2,718.98	3/4	3,059.74
2	23.47	2	355.65	2	696.37	2	1,026.88	2	1,363.55	2	1,704.19	2	2,044.83	2	2,385.47	2	2,726.07	2	3,066.83
1/4	28.80	1/4	362.75	1/4	703.47	1/4	1,033.67	1/4	1,370.64	1/4	1,711.29	1/4	2,051.93	1/4	2,392.57	1/4	2,733.17	1/4	3,073.93
1/2	34.13	1/2	369.85	1/2	710.57	1/2	1,040.46	1/2	1,377.74	1/2	1,718.38	1/2	2,059.02	1/2	2,399.66	1/2	2,740.27	1/2	3,081.02
3/4	39.46	3/4	376.96	3/4	717.67	3/4	1,047.25	3/4	1,384.84	3/4	1,725.48	3/4	2,066.12	3/4	2,406.76	3/4	2,747.36	3/4	3,088.11
3	44.80	3	384.06	3	724.76	3	1,054.03	3	1,391.93	3	1,732.58	3	2,073.22	3	2,413.86	3	2,754.46	3	3,095.20
1/4	51.44	1/4	391.16	1/4	731.86	1/4	1,060.83	1/4	1,399.03	1/4	1,739.67	1/4	2,080.31	1/4	2,420.96	1/4	2,761.55	1/4	3,102.28
1/2	58.09	1/2	398.26	1/2	738.96	1/2	1,067.62	1/2	1,406.13	1/2	1,746.77	1/2	2,087.41	1/2	2,428.05	1/2	2,768.65	1/2	3,109.37
3/4	64.74	3/4	405.35	3/4	746.06	3/4	1,074.41	3/4	1,413.22	3/4	1,753.87	3/4	2,094.51	3/4	2,435.15	3/4	2,775.74	3/4	3,116.45
4	71.38	4	412.45	4	753.16	4	1,081.20	4	1,420.32	4	1,760.96	4	2,101.60	4	2,442.25	4	2,782.84	4	3,123.53
1/4	78.47	1/4	419.55	1/4	760.25	1/4	1,088.03	1/4	1,427.42	1/4	1,768.06	1/4	2,108.70	1/4	2,449.34	1/4	2,789.94	1/4	3,130.61
1/2	85.55	1/2	426.65	1/2	767.35	1/2	1,094.86	1/2	1,434.51	1/2	1,775.16	1/2	2,115.80	1/2	2,456.44	1/2	2,797.03	1/2	3,137.68
3/4	92.64	3/4	433.75	3/4	774.45	3/4	1,101.70	3/4	1,441.61	3/4	1,782.25	3/4	2,122.89	3/4	2,463.54	3/4	2,804.13	3/4	3,144.76
5	99.73	5	440.84	5	781.55	5	1,108.53	5	1,448.71	5	1,789.35	5	2,129.99	5	2,470.63	5	2,811.22	5	3,151.83
1/4	106.83	1/4	447.94	1/4	788.53	1/4	1,115.51	1/4	1,455.80	1/4	1,796.45	1/4	2,137.09	1/4	2,477.73	1/4	2,818.32	1/4	3,158.91
1/2	113.93	1/2	455.04	1/2	795.51	1/2	1,122.49	1/2	1,462.90	1/2	1,803.54	1/2	2,144.18	1/2	2,484.82	1/2	2,825.41	1/2	3,165.98
3/4	121.04	3/4	462.14	3/4	802.49	3/4	1,129.47	3/4	1,470.00	3/4	1,810.64	3/4	2,151.28	3/4	2,491.91	3/4	2,832.51	3/4	3,173.05
6	128.14	6	469.24	6	809.47	6	1,136.45	6	1,477.09	6	1,817.74	6	2,158.38	6	2,499.01	6	2,839.61	6	3,180.13
1/4	135.25	1/4	476.33	1/4	816.31	1/4	1,143.55	1/4	1,484.19	1/4	1,824.83	1/4	2,165.47	1/4	2,506.10	1/4	2,846.70	1/4	3,187.20
1/2	142.36	1/2	483.43	1/2	823.14	1/2	1,150.65	1/2	1,491.29	1/2	1,831.93	1/2	2,172.57	1/2	2,513.20	1/2	2,853.80	1/2	3,194.28
3/4	149.47	3/4	490.53	3/4	829.97	3/4	1,157.74	3/4	1,498.38	3/4	1,839.03	3/4	2,179.67	3/4	2,520.30	3/4	2,860.89	3/4	3,201.35
7	156.58	7	497.63	7	836.80	7	1,164.84	7	1,505.48	7	1,846.12	7	2,186.76	7	2,527.39	7	2,867.99	7	3,208.43
1/4	163.69	1/4	504.73	1/4	843.59	1/4	1,171.94	1/4	1,512.58	1/4	1,853.22	1/4	2,193.86	1/4	2,534.49	1/4	2,875.09	1/4	3,215.50
1/2	170.80	1/2	511.82	1/2	850.38	1/2	1,179.03	1/2	1,519.67	1/2	1,860.32	1/2	2,200.96	1/2	2,541.58	1/2	2,882.18	1/2	3,222.57
3/4	177.91	3/4	518.92	3/4	857.18	3/4	1,186.13	3/4	1,526.77	3/4	1,867.41	3/4	2,208.05	3/4	2,548.68	3/4	2,889.28	3/4	3,229.65
8	185.02	8	526.02	8	863.97	8	1,193.23	8	1,533.87	8	1,874.51	8	2,215.15	8	2,555.77	8	2,896.37	8	3,236.72
1/4	192.12	1/4	533.12	1/4	870.76	1/4	1,200.32	1/4	1,540.96	1/4	1,881.61	1/4	2,222.25	1/4	2,562.87	1/4	2,903.47	1/4	3,243.80
1/2	199.23	1/2	540.22	1/2	877.54	1/2	1,207.42	1/2	1,548.06	1/2	1,888.70	1/2	2,229.34	1/2	2,569.97	1/2	2,910.58	1/2	3,250.87
3/4	206.34	3/4	547.31	3/4	884.33	3/4	1,214.52	3/4	1,555.16	3/4	1,895.80	3/4	2,236.44	3/4	2,577.06	3/4	2,917.68	3/4	3,257.95
9	213.45	9	554.41	9	891.12	9	1,221.61	9	1,562.25	9	1,902.90	9	2,243.54	9	2,584.16	9	2,924.78	9	3,265.02
1/4	220.56	1/4	561.51	1/4	897.91	1/4	1,228.71	1/4	1,569.35	1/4	1,909.99	1/4	2,250.63	1/4	2,591.25	1/4	2,931.89	1/4	3,272.10
1/2	227.67	1/2	568.61	1/2	904.70	1/2	1,235.81	1/2	1,576.45	1/2	1,917.09	1/2	2,257.73	1/2	2,598.35	1/2	2,938.99	1/2	3,279.18
3/4	234.78	3/4	575.71	3/4	911.48	3/4	1,242.90	3/4	1,583.54	3/4	1,924.19	3/4	2,264.83	3/4	2,605.44	3/4	2,946.10	3/4	3,286.25
10	241.89	10	582.80	10	918.27	10	1,250.00	10	1,590.64	10	1,931.28	10	2,271.92	10	2,612.54	10	2,953.21	10	3,293.33
1/4	249.00	1/4	589.90	1/4	925.06	1/4	1,257.10	1/4	1,597.74	1/4	1,938.38	1/4	2,279.02	1/4	2,619.64	1/4	2,960.32	1/4	3,300.40
1/2	256.11	1/2	597.00	1/2	931.85	1/2	1,264.19	1/2	1,604.83	1/2	1,945.48	1/2	2,286.12	1/2	2,626.73	1/2	2,967.42	1/2	3,307.48
3/4	263.22	3/4	604.10	3/4	938.64	3/4	1,271.29	3/4	1,611.93	3/4	1,952.57	3/4	2,293.21	3/4	2,633.83	3/4	2,974.53	3/4	3,314.56
11	270.33	11	611.20	11	945.42	11	1,278.39	11	1,619.03	11	1,959.67	11	2,300.31	11	2,640.92	11	2,981.64	11	3,321.63
1/4	277.44	1/4	618.29	1/4	952.21	1/4	1,285.48	1/4	1,626.12	1/4	1,966.77	1/4	2,307.41	1/4	2,648.02	1/4	2,988.75	1/4	3,327.33
1/2	284.55	1/2	625.39	1/2	959.00	1/2	1,292.58	1/2	1,633.22	1/2	1,973.86	1/2	2,314.50	1/2	2,655.12	1/2	2,995.85	1/2	3,333.03
3/4	291.66	3/4	632.49	3/4	965.79	3/4	1,299.68	3/4	1,640.32	3/4	1,980.96	3/4	2,321.60	3/4	2,662.21	3/4	3,002.96	3/4	3,338.73

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 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 82'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

3 PORT

INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 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	3,344.43	0	3,552.81	0	3,761.95	0	3,970.83	0	4,179.05	0	4,369.05	0		0		0		0	
1/4	3,348.75	1/4	3,557.16	1/4	3,766.31	1/4	3,975.16	1/4	4,183.39	1/4	4,370.76	1/4		1/4		1/4		1/4	
1/2	3,353.08	1/2	3,561.52	1/2	3,770.67	1/2	3,979.50	1/2	4,187.73	1/2	4,372.46	1/2		1/2		1/2		1/2	
3/4	3,357.40	3/4	3,565.88	3/4	3,775.02	3/4	3,983.84	3/4	4,192.07	3/4	4,374.16	3/4		3/4		3/4		3/4	
1	3,361.72	1	3,570.23	1	3,779.38	1	3,988.18	1	4,196.41	1	4,375.86	1		1		1		1	
1/4	3,366.06	1/4	3,574.59	1/4	3,783.74	1/4	3,992.52	1/4	4,200.75	1/4	4,377.56	1/4		1/4		1/4		1/4	
1/2	3,370.39	1/2	3,578.95	1/2	3,788.09	1/2	3,996.85	1/2	4,205.08	1/2	4,379.27	1/2		1/2		1/2		1/2	
3/4	3,374.72	3/4	3,583.31	3/4	3,792.45	3/4	4,001.19	3/4	4,209.42	3/4	4,380.97	3/4		3/4		3/4		3/4	
2	3,379.05	2	3,587.66	2	3,796.81	2	4,005.53	2	4,213.76	2	4,382.67	2		2		2		2	
1/4	3,383.39	1/4	3,592.02	1/4	3,801.17	1/4	4,009.87	1/4	4,218.10	1/4	4,383.74	1/4		1/4		1/4		1/4	
1/2	3,387.74	1/2	3,596.38	1/2	3,805.52	1/2	4,014.21	1/2	4,222.44	1/2	4,384.82	1/2		1/2		1/2		1/2	
3/4	3,392.08	3/4	3,600.73	3/4	3,809.88	3/4	4,018.55	3/4	4,226.77	3/4	4,385.89	3/4		3/4		3/4		3/4	
3	3,396.42	3	3,605.09	3	3,814.24	3	4,022.88	3	4,231.11	3	4,386.96	3		3		3		3	
1/4	3,400.76	1/4	3,609.45	1/4	3,818.59	1/4	4,027.22	1/4	4,235.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,405.10	1/2	3,613.81	1/2	3,822.95	1/2	4,031.56	1/2	4,239.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,409.44	3/4	3,618.16	3/4	3,827.31	3/4	4,035.90	3/4	4,244.13	3/4		3/4		3/4		3/4		3/4	
4	3,413.78	4	3,622.52	4	3,831.67	4	4,040.24	4	4,248.46	4		4		4		4		4	
1/4	3,418.13	1/4	3,626.88	1/4	3,836.02	1/4	4,044.57	1/4	4,252.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,422.47	1/2	3,631.24	1/2	3,840.38	1/2	4,048.91	1/2	4,257.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,426.81	3/4	3,635.59	3/4	3,844.74	3/4	4,053.25	3/4	4,261.44	3/4		3/4		3/4		3/4		3/4	
5	3,431.15	5	3,639.95	5	3,849.10	5	4,057.59	5	4,265.76	5		5		5		5		5	
1/4	3,435.49	1/4	3,644.31	1/4	3,853.45	1/4	4,061.93	1/4	4,270.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,439.83	1/2	3,648.66	1/2	3,857.81	1/2	4,066.26	1/2	4,274.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,444.17	3/4	3,653.02	3/4	3,862.17	3/4	4,070.60	3/4	4,278.70	3/4		3/4		3/4		3/4		3/4	
6	3,448.52	6	3,657.38	6	3,866.52	6	4,074.94	6	4,283.01	6		6		6		6		6	
1/4	3,452.86	1/4	3,661.74	1/4	3,870.88	1/4	4,079.28	1/4	4,287.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,457.20	1/2	3,666.09	1/2	3,875.24	1/2	4,083.62	1/2	4,291.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,461.54	3/4	3,670.45	3/4	3,879.60	3/4	4,087.95	3/4	4,295.93	3/4		3/4		3/4		3/4		3/4	
7	3,465.88	7	3,674.81	7	3,883.95	7	4,092.29	7	4,300.24	7		7		7		7		7	
1/4	3,470.22	1/4	3,679.16	1/4	3,888.31	1/4	4,096.63	1/4	4,304.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,474.56	1/2	3,683.52	1/2	3,892.67	1/2	4,100.97	1/2	4,308.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,478.91	3/4	3,687.88	3/4	3,897.02	3/4	4,105.31	3/4	4,313.15	3/4		3/4		3/4		3/4		3/4	
8	3,483.25	8	3,692.24	8	3,901.38	8	4,109.65	8	4,317.45	8		8		8		8		8	
1/4	3,487.59	1/4	3,696.59	1/4	3,905.73	1/4	4,113.98	1/4	4,321.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,491.93	1/2	3,700.95	1/2	3,910.08	1/2	4,118.32	1/2	4,325.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,496.27	3/4	3,705.31	3/4	3,914.42	3/4	4,122.66	3/4	4,330.26	3/4		3/4		3/4		3/4		3/4	
9	3,500.61	9	3,709.66	9	3,918.77	9	4,127.00	9	4,334.53	9		9		9		9		9	
1/4	3,504.95	1/4	3,714.02	1/4	3,923.11	1/4	4,131.34	1/4	4,338.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,509.30	1/2	3,718.38	1/2	3,927.44	1/2	4,135.67	1/2	4,342.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,513.64	3/4	3,722.74	3/4	3,931.78	3/4	4,140.01	3/4	4,346.02	3/4		3/4		3/4		3/4		3/4	
10	3,517.98	10	3,727.09	10	3,936.12	10	4,144.35	10	4,349.86	10		10		10		10		10	
1/4	3,522.33	1/4	3,731.45	1/4	3,940.46	1/4	4,148.69	1/4	4,352.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,526.68	1/2	3,735.81	1/2	3,944.80	1/2	4,153.03	1/2	4,355.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,531.03	3/4	3,740.17	3/4	3,949.14	3/4	4,157.36	3/4	4,358.35	3/4		3/4		3/4		3/4		3/4	
11	3,535.38	11	3,744.52	11	3,953.47	11	4,161.70	11	4,361.18	11		11		11		11		11	
1/4	3,539.73	1/4	3,748.88	1/4	3,957.81	1/4	4,166.04	1/4	4,363.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,544.09	1/2	3,753.24	1/2	3,962.15	1/2	4,170.38	1/2	4,365.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,548.45	3/4	3,757.59	3/4	3,966.49	3/4	4,174.72	3/4	4,367.08	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

3 STBD

INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 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	2.15	0	299.69	0	642.00	0	984.04	0	1,326.15	0	1,668.47	0	2,010.79	0	2,353.11	0	2,695.27	0	3,036.72
1/4	3.93	1/4	306.82	1/4	649.13	1/4	991.16	1/4	1,333.28	1/4	1,675.60	1/4	2,017.92	1/4	2,360.24	1/4	2,702.39	1/4	3,043.84
1/2	5.71	1/2	313.95	1/2	656.27	1/2	998.28	1/2	1,340.41	1/2	1,682.73	1/2	2,025.05	1/2	2,367.37	1/2	2,709.50	1/2	3,050.95
3/4	7.50	3/4	321.09	3/4	663.40	3/4	1,005.40	3/4	1,347.54	3/4	1,689.86	3/4	2,032.18	3/4	2,374.51	3/4	2,716.62	3/4	3,058.06
1	9.28	1	328.22	1	670.53	1	1,012.51	1	1,354.67	1	1,696.99	1	2,039.32	1	2,381.64	1	2,723.73	1	3,065.18
1/4	12.85	1/4	335.35	1/4	677.66	1/4	1,019.63	1/4	1,361.80	1/4	1,704.13	1/4	2,046.45	1/4	2,388.77	1/4	2,730.84	1/4	3,072.29
1/2	16.41	1/2	342.48	1/2	684.79	1/2	1,026.75	1/2	1,368.94	1/2	1,711.26	1/2	2,053.58	1/2	2,395.90	1/2	2,737.96	1/2	3,079.40
3/4	19.98	3/4	349.61	3/4	691.92	3/4	1,033.87	3/4	1,376.07	3/4	1,718.39	3/4	2,060.71	3/4	2,403.03	3/4	2,745.07	3/4	3,086.52
2	23.54	2	356.74	2	699.05	2	1,040.98	2	1,383.20	2	1,725.52	2	2,067.84	2	2,410.16	2	2,752.18	2	3,093.63
1/4	28.89	1/4	363.87	1/4	706.19	1/4	1,048.10	1/4	1,390.33	1/4	1,732.65	1/4	2,074.97	1/4	2,417.30	1/4	2,759.30	1/4	3,100.74
1/2	34.24	1/2	371.01	1/2	713.32	1/2	1,055.22	1/2	1,397.46	1/2	1,739.78	1/2	2,082.11	1/2	2,424.43	1/2	2,766.41	1/2	3,107.86
3/4	39.59	3/4	378.14	3/4	720.45	3/4	1,062.34	3/4	1,404.59	3/4	1,746.92	3/4	2,089.24	3/4	2,431.56	3/4	2,773.52	3/4	3,114.97
3	44.93	3	385.27	3	727.58	3	1,069.46	3	1,411.73	3	1,754.05	3	2,096.37	3	2,438.69	3	2,780.64	3	3,122.08
1/4	51.60	1/4	392.40	1/4	734.71	1/4	1,076.58	1/4	1,418.86	1/4	1,761.18	1/4	2,103.50	1/4	2,445.82	1/4	2,787.75	1/4	3,129.19
1/2	58.27	1/2	399.53	1/2	741.84	1/2	1,083.70	1/2	1,425.99	1/2	1,768.31	1/2	2,110.63	1/2	2,452.95	1/2	2,794.86	1/2	3,136.30
3/4	64.94	3/4	406.66	3/4	748.97	3/4	1,090.82	3/4	1,433.12	3/4	1,775.44	3/4	2,117.76	3/4	2,460.09	3/4	2,801.98	3/4	3,143.40
4	71.60	4	413.79	4	756.11	4	1,097.94	4	1,440.25	4	1,782.57	4	2,124.90	4	2,467.22	4	2,809.09	4	3,150.51
1/4	78.71	1/4	420.93	1/4	763.24	1/4	1,105.07	1/4	1,447.38	1/4	1,789.71	1/4	2,132.03	1/4	2,474.35	1/4	2,816.20	1/4	3,157.60
1/2	85.82	1/2	428.06	1/2	770.37	1/2	1,112.20	1/2	1,454.52	1/2	1,796.84	1/2	2,139.16	1/2	2,481.48	1/2	2,823.32	1/2	3,164.70
3/4	92.93	3/4	435.19	3/4	777.50	3/4	1,119.33	3/4	1,461.65	3/4	1,803.97	3/4	2,146.29	3/4	2,488.61	3/4	2,830.43	3/4	3,171.80
5	100.03	5	442.32	5	784.63	5	1,126.46	5	1,468.78	5	1,811.10	5	2,153.42	5	2,495.74	5	2,837.54	5	3,178.89
1/4	107.16	1/4	449.45	1/4	791.76	1/4	1,133.59	1/4	1,475.91	1/4	1,818.23	1/4	2,160.55	1/4	2,502.88	1/4	2,844.66	1/4	3,185.99
1/2	114.29	1/2	456.58	1/2	798.90	1/2	1,140.72	1/2	1,483.04	1/2	1,825.37	1/2	2,167.69	1/2	2,510.01	1/2	2,851.77	1/2	3,193.08
3/4	121.41	3/4	463.72	3/4	806.03	3/4	1,147.85	3/4	1,490.18	3/4	1,832.50	3/4	2,174.82	3/4	2,517.15	3/4	2,858.89	3/4	3,200.18
6	128.54	6	470.85	6	813.16	6	1,154.99	6	1,497.31	6	1,839.63	6	2,181.95	6	2,524.28	6	2,866.00	6	3,207.28
1/4	135.67	1/4	477.98	1/4	820.29	1/4	1,162.12	1/4	1,504.44	1/4	1,846.76	1/4	2,189.08	1/4	2,531.42	1/4	2,873.11	1/4	3,214.37
1/2	142.80	1/2	485.11	1/2	827.42	1/2	1,169.25	1/2	1,511.57	1/2	1,853.89	1/2	2,196.21	1/2	2,538.55	1/2	2,880.23	1/2	3,221.47
3/4	149.93	3/4	492.24	3/4	834.55	3/4	1,176.38	3/4	1,518.70	3/4	1,861.02	3/4	2,203.35	3/4	2,545.68	3/4	2,887.34	3/4	3,228.57
7	157.06	7	499.37	7	841.68	7	1,183.51	7	1,525.83	7	1,868.16	7	2,210.48	7	2,552.81	7	2,894.45	7	3,235.66
1/4	164.19	1/4	506.50	1/4	848.80	1/4	1,190.64	1/4	1,532.97	1/4	1,875.29	1/4	2,217.61	1/4	2,559.95	1/4	2,901.57	1/4	3,242.76
1/2	171.32	1/2	513.64	1/2	855.92	1/2	1,197.78	1/2	1,540.10	1/2	1,882.42	1/2	2,224.74	1/2	2,567.08	1/2	2,908.68	1/2	3,249.85
3/4	178.46	3/4	520.77	3/4	863.04	3/4	1,204.91	3/4	1,547.23	3/4	1,889.55	3/4	2,231.87	3/4	2,574.21	3/4	2,915.79	3/4	3,256.95
8	185.59	8	527.90	8	870.16	8	1,212.04	8	1,554.36	8	1,896.68	8	2,239.00	8	2,581.34	8	2,922.91	8	3,264.05
1/4	192.72	1/4	535.03	1/4	877.28	1/4	1,219.17	1/4	1,561.49	1/4	1,903.81	1/4	2,246.14	1/4	2,588.48	1/4	2,930.02	1/4	3,271.14
1/2	199.85	1/2	542.16	1/2	884.40	1/2	1,226.30	1/2	1,568.62	1/2	1,910.95	1/2	2,253.27	1/2	2,595.61	1/2	2,937.13	1/2	3,278.24
3/4	206.98	3/4	549.29	3/4	891.51	3/4	1,233.43	3/4	1,575.76	3/4	1,918.08	3/4	2,260.40	3/4	2,602.74	3/4	2,944.25	3/4	3,285.33
9	214.11	9	556.42	9	898.63	9	1,240.57	9	1,582.89	9	1,925.21	9	2,267.53	9	2,609.87	9	2,951.36	9	3,292.43
1/4	221.24	1/4	563.56	1/4	905.75	1/4	1,247.70	1/4	1,590.02	1/4	1,932.34	1/4	2,274.66	1/4	2,617.00	1/4	2,958.47	1/4	3,299.53
1/2	228.38	1/2	570.69	1/2	912.87	1/2	1,254.83	1/2	1,597.15	1/2	1,939.47	1/2	2,281.79	1/2	2,624.12	1/2	2,965.59	1/2	3,306.62
3/4	235.51	3/4	577.82	3/4	919.98	3/4	1,261.96	3/4	1,604.28	3/4	1,946.60	3/4	2,288.93	3/4	2,631.24	3/4	2,972.70	3/4	3,313.72
10	242.64	10	584.95	10	927.10	10	1,269.09	10	1,611.41	10	1,953.74	10	2,296.06	10	2,638.37	10	2,979.81	10	3,320.82
1/4	249.77	1/4	592.08	1/4	934.22	1/4	1,276.22	1/4	1,618.55	1/4	1,960.87	1/4	2,303.19	1/4	2,645.48	1/4	2,986.93	1/4	3,327.91
1/2	256.90	1/2	599.21	1/2	941.34	1/2	1,283.36	1/2	1,625.68	1/2	1,968.00	1/2	2,310.32	1/2	2,652.59	1/2	2,994.04	1/2	3,335.01
3/4	264.03	3/4	606.35	3/4	948.45	3/4	1,290.49	3/4	1,632.81	3/4	1,975.13	3/4	2,317.45	3/4	2,659.71	3/4	3,001.16	3/4	3,342.10
11	271.16	11	613.48	11	955.57	11	1,297.62	11	1,639.94	11	1,982.26	11	2,324.58	11	2,666.82	11	3,008.27	11	3,349.20
1/4	278.30	1/4	620.61	1/4	962.69	1/4	1,304.75	1/4	1,647.07	1/4	1,989.39	1/4	2,331.72	1/4	2,673.93	1/4	3,015.38	1/4	3,354.92
1/2	285.43	1/2	627.74	1/2	969.81	1/2	1,311.88	1/2	1,654.20	1/2	1,996.53	1/2	2,338.85	1/2	2,681.05	1/2	3,022.50	1/2	3,360.63
3/4	292.56	3/4	634.87	3/4	976.93	3/4	1,319.01	3/4	1,661.34	3/4	2,003.66	3/4	2,345.98	3/4	2,688.16	3/4	3,029.61	3/4	3,366.35

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 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 82'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

3 STBD

INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 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	3,372.07	0	3,581.80	0	3,791.74	0	4,001.42	0	4,210.44	0	4,401.18	0		0		0		0	
1/4	3,376.41	1/4	3,586.17	1/4	3,796.11	1/4	4,005.77	1/4	4,214.80	1/4	4,402.89	1/4		1/4		1/4		1/4	
1/2	3,380.75	1/2	3,590.55	1/2	3,800.49	1/2	4,010.13	1/2	4,219.15	1/2	4,404.59	1/2		1/2		1/2		1/2	
3/4	3,385.08	3/4	3,594.92	3/4	3,804.86	3/4	4,014.48	3/4	4,223.51	3/4	4,406.30	3/4		3/4		3/4		3/4	
1	3,389.42	1	3,599.29	1	3,809.24	1	4,018.84	1	4,227.86	1	4,408.01	1		1		1		1	
1/4	3,393.78	1/4	3,603.67	1/4	3,813.61	1/4	4,023.19	1/4	4,232.22	1/4	4,409.72	1/4		1/4		1/4		1/4	
1/2	3,398.13	1/2	3,608.04	1/2	3,817.98	1/2	4,027.54	1/2	4,236.57	1/2	4,411.43	1/2		1/2		1/2		1/2	
3/4	3,402.49	3/4	3,612.42	3/4	3,822.36	3/4	4,031.90	3/4	4,240.92	3/4	4,413.14	3/4		3/4		3/4		3/4	
2	3,406.85	2	3,616.79	2	3,826.73	2	4,036.25	2	4,245.28	2	4,414.85	2		2		2		2	
1/4	3,411.22	1/4	3,621.16	1/4	3,831.11	1/4	4,040.61	1/4	4,249.63	1/4	4,415.92	1/4		1/4		1/4		1/4	
1/2	3,415.59	1/2	3,625.54	1/2	3,835.48	1/2	4,044.96	1/2	4,253.99	1/2	4,417.00	1/2		1/2		1/2		1/2	
3/4	3,419.97	3/4	3,629.91	3/4	3,839.85	3/4	4,049.32	3/4	4,258.34	3/4	4,418.08	3/4		3/4		3/4		3/4	
3	3,424.34	3	3,634.28	3	3,844.23	3	4,053.67	3	4,262.70	3	4,419.15	3		3		3		3	
1/4	3,428.72	1/4	3,638.66	1/4	3,848.60	1/4	4,058.03	1/4	4,267.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,433.09	1/2	3,643.03	1/2	3,852.97	1/2	4,062.38	1/2	4,271.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,437.46	3/4	3,647.41	3/4	3,857.35	3/4	4,066.74	3/4	4,275.76	3/4		3/4		3/4		3/4		3/4	
4	3,441.84	4	3,651.78	4	3,861.72	4	4,071.09	4	4,280.12	4		4		4		4		4	
1/4	3,446.21	1/4	3,656.15	1/4	3,866.10	1/4	4,075.45	1/4	4,284.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,450.58	1/2	3,660.53	1/2	3,870.47	1/2	4,079.80	1/2	4,288.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,454.96	3/4	3,664.90	3/4	3,874.84	3/4	4,084.16	3/4	4,293.14	3/4		3/4		3/4		3/4		3/4	
5	3,459.33	5	3,669.27	5	3,879.22	5	4,088.51	5	4,297.48	5		5		5		5		5	
1/4	3,463.71	1/4	3,673.65	1/4	3,883.59	1/4	4,092.87	1/4	4,301.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,468.08	1/2	3,678.02	1/2	3,887.96	1/2	4,097.22	1/2	4,306.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,472.45	3/4	3,682.40	3/4	3,892.34	3/4	4,101.57	3/4	4,310.47	3/4		3/4		3/4		3/4		3/4	
6	3,476.83	6	3,686.77	6	3,896.71	6	4,105.93	6	4,314.79	6		6		6		6		6	
1/4	3,481.20	1/4	3,691.14	1/4	3,901.09	1/4	4,110.28	1/4	4,319.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,485.57	1/2	3,695.52	1/2	3,905.46	1/2	4,114.64	1/2	4,323.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,489.95	3/4	3,699.89	3/4	3,909.83	3/4	4,118.99	3/4	4,327.77	3/4		3/4		3/4		3/4		3/4	
7	3,494.32	7	3,704.26	7	3,914.21	7	4,123.35	7	4,332.09	7		7		7		7		7	
1/4	3,498.70	1/4	3,708.64	1/4	3,918.58	1/4	4,127.70	1/4	4,336.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,503.07	1/2	3,713.01	1/2	3,922.95	1/2	4,132.06	1/2	4,340.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,507.44	3/4	3,717.39	3/4	3,927.33	3/4	4,136.41	3/4	4,345.05	3/4		3/4		3/4		3/4		3/4	
8	3,511.82	8	3,721.76	8	3,931.70	8	4,140.77	8	4,349.37	8		8		8		8		8	
1/4	3,516.19	1/4	3,726.13	1/4	3,936.07	1/4	4,145.12	1/4	4,353.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,520.57	1/2	3,730.51	1/2	3,940.43	1/2	4,149.48	1/2	4,357.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,524.94	3/4	3,734.88	3/4	3,944.80	3/4	4,153.83	3/4	4,362.22	3/4		3/4		3/4		3/4		3/4	
9	3,529.31	9	3,739.26	9	3,949.16	9	4,158.19	9	4,366.51	9		9		9		9		9	
1/4	3,533.69	1/4	3,743.63	1/4	3,953.51	1/4	4,162.54	1/4	4,370.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.06	1/2	3,748.00	1/2	3,957.87	1/2	4,166.90	1/2	4,374.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.43	3/4	3,752.38	3/4	3,962.22	3/4	4,171.25	3/4	4,378.05	3/4		3/4		3/4		3/4		3/4	
10	3,546.81	10	3,756.75	10	3,966.58	10	4,175.60	10	4,381.90	10		10		10		10		10	
1/4	3,551.18	1/4	3,761.12	1/4	3,970.93	1/4	4,179.96	1/4	4,384.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,555.56	1/2	3,765.50	1/2	3,975.29	1/2	4,184.31	1/2	4,387.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,559.93	3/4	3,769.87	3/4	3,979.64	3/4	4,188.67	3/4	4,390.42	3/4		3/4		3/4		3/4		3/4	
11	3,564.30	11	3,774.25	11	3,984.00	11	4,193.02	11	4,393.27	11		11		11		11		11	
1/4	3,568.68	1/4	3,778.62	1/4	3,988.35	1/4	4,197.38	1/4	4,395.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.05	1/2	3,782.99	1/2	3,992.71	1/2	4,201.73	1/2	4,397.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,577.42	3/4	3,787.37	3/4	3,997.06	3/4	4,206.09	3/4	4,399.20	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

ULLAGE (10" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
1 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-0/8	- 08-0/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-0/8	- 08-0/8	10-0/8	- 10-0/8	12-1/8	- 12-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT	=	2'-00"	
AFT DRAFT	=	6'-00"	
DIFF.	=	4'-00"	(DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS 08-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-08 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

April 20, 2020

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

http://www.pmacorp.net

BARGE "MPX 401"

1 PORT

ULLAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-01 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		0		0		0	5,034.10	0	4,743.81	0	4,402.40	0	4,060.10	0	3,717.12	0	3,374.21	0	3,031.32
1/4		1/4		1/4		1/4	5,032.09	1/4	4,736.70	1/4	4,395.28	1/4	4,052.96	1/4	3,709.97	1/4	3,367.07	1/4	3,024.18
1/2		1/2		1/2		1/2	5,030.09	1/2	4,729.59	1/2	4,388.17	1/2	4,045.81	1/2	3,702.83	1/2	3,359.92	1/2	3,017.03
3/4		3/4		3/4		3/4	5,028.08	3/4	4,722.47	3/4	4,381.06	3/4	4,038.67	3/4	3,695.68	3/4	3,352.78	3/4	3,009.89
1		1		1		1	5,024.88	1	4,715.36	1	4,373.95	1	4,031.52	1	3,688.54	1	3,345.64	1	3,002.75
1/4		1/4		1/4		1/4	5,021.69	1/4	4,708.25	1/4	4,366.83	1/4	4,024.38	1/4	3,681.39	1/4	3,338.49	1/4	2,995.60
1/2		1/2		1/2		1/2	5,018.49	1/2	4,701.13	1/2	4,359.72	1/2	4,017.23	1/2	3,674.25	1/2	3,331.35	1/2	2,988.46
3/4		3/4		3/4		3/4	5,015.29	3/4	4,694.02	3/4	4,352.61	3/4	4,010.08	3/4	3,667.10	3/4	3,324.20	3/4	2,981.31
2		2		2		2	5,010.90	2	4,686.91	2	4,345.49	2	4,002.94	2	3,659.95	2	3,317.06	2	2,974.17
1/4		1/4		1/4		1/4	5,006.52	1/4	4,679.80	1/4	4,338.38	1/4	3,995.79	1/4	3,652.81	1/4	3,309.92	1/4	2,967.02
1/2		1/2		1/2		1/2	5,002.13	1/2	4,672.68	1/2	4,331.27	1/2	3,988.65	1/2	3,645.66	1/2	3,302.77	1/2	2,959.87
3/4		3/4		3/4		3/4	4,997.74	3/4	4,665.57	3/4	4,324.16	3/4	3,981.50	3/4	3,638.52	3/4	3,295.63	3/4	2,952.73
3		3		3		3	4,992.16	3	4,658.46	3	4,317.04	3	3,974.36	3	3,631.38	3	3,288.49	3	2,945.58
1/4		1/4		1/4		1/4	4,986.58	1/4	4,651.34	1/4	4,309.93	1/4	3,967.21	1/4	3,624.23	1/4	3,281.34	1/4	2,938.44
1/2		1/2		1/2		1/2	4,981.00	1/2	4,644.23	1/2	4,302.82	1/2	3,960.07	1/2	3,617.09	1/2	3,274.20	1/2	2,931.29
3/4		3/4		3/4		3/4	4,975.42	3/4	4,637.12	3/4	4,295.70	3/4	3,952.92	3/4	3,609.94	3/4	3,267.06	3/4	2,924.15
4		4		4		4	4,968.84	4	4,630.01	4	4,288.59	4	3,945.77	4	3,602.80	4	3,259.91	4	2,917.00
1/4		1/4		1/4		1/4	4,962.25	1/4	4,622.89	1/4	4,281.48	1/4	3,938.63	1/4	3,595.66	1/4	3,252.77	1/4	2,909.86
1/2		1/2		1/2		1/2	4,955.66	1/2	4,615.78	1/2	4,274.37	1/2	3,931.48	1/2	3,588.51	1/2	3,245.63	1/2	2,902.71
3/4		3/4		3/4		3/4	4,949.08	3/4	4,608.67	3/4	4,267.25	3/4	3,924.34	3/4	3,581.37	3/4	3,238.48	3/4	2,895.57
5		5		5		5	4,942.05	5	4,601.55	5	4,260.13	5	3,917.19	5	3,574.23	5	3,231.34	5	2,888.42
1/4		1/4		1/4		1/4	4,935.02	1/4	4,594.44	1/4	4,253.00	1/4	3,910.05	1/4	3,567.08	1/4	3,224.20	1/4	2,881.28
1/2		1/2		1/2		1/2	4,928.00	1/2	4,587.33	1/2	4,245.87	1/2	3,902.90	1/2	3,559.94	1/2	3,217.05	1/2	2,874.13
3/4		3/4		3/4		3/4	4,920.97	3/4	4,580.22	3/4	4,238.74	3/4	3,895.76	3/4	3,552.80	3/4	3,209.91	3/4	2,866.98
6		6		6		6	4,913.91	6	4,573.10	6	4,231.59	6	3,888.61	6	3,545.65	6	3,202.77	6	2,859.84
1/4		1/4		1/4		1/4	4,906.85	1/4	4,565.99	1/4	4,224.45	1/4	3,881.47	1/4	3,538.51	1/4	3,195.62	1/4	2,852.69
1/2		1/2		1/2		1/2	4,899.79	1/2	4,558.88	1/2	4,217.30	1/2	3,874.32	1/2	3,531.37	1/2	3,188.48	1/2	2,845.55
3/4		3/4		3/4		3/4	4,892.73	3/4	4,551.77	3/4	4,210.16	3/4	3,867.17	3/4	3,524.22	3/4	3,181.33	3/4	2,838.40
7		7		7		7	4,885.66	7	4,544.65	7	4,203.01	7	3,860.03	7	3,517.08	7	3,174.19	7	2,831.26
1/4		1/4		1/4		1/4	4,878.59	1/4	4,537.54	1/4	4,195.87	1/4	3,852.88	1/4	3,509.94	1/4	3,167.05	1/4	2,824.11
1/2		1/2		1/2		1/2	4,871.53	1/2	4,530.43	1/2	4,188.72	1/2	3,845.74	1/2	3,502.79	1/2	3,159.90	1/2	2,816.97
3/4		3/4		3/4		3/4	4,864.46	3/4	4,523.31	3/4	4,181.58	3/4	3,838.59	3/4	3,495.65	3/4	3,152.76	3/4	2,809.82
8		8		8		8	4,857.39	8	4,516.20	8	4,174.43	8	3,831.45	8	3,488.51	8	3,145.62	8	2,802.68
1/4		1/4		1/4		1/4	4,850.32	1/4	4,509.09	1/4	4,167.29	1/4	3,824.30	1/4	3,481.36	1/4	3,138.47	1/4	2,795.53
1/2		1/2		1/2		1/2	4,843.25	1/2	4,501.98	1/2	4,160.14	1/2	3,817.16	1/2	3,474.22	1/2	3,131.33	1/2	2,788.39
3/4		3/4		3/4		3/4	4,836.19	3/4	4,494.86	3/4	4,152.99	3/4	3,810.01	3/4	3,467.07	3/4	3,124.19	3/4	2,781.24
9		9		9		9	4,829.10	9	4,487.75	9	4,145.85	9	3,802.86	9	3,459.93	9	3,117.04	9	2,774.09
1/4		1/4		1/4		1/4	4,822.01	1/4	4,480.64	1/4	4,138.70	1/4	3,795.72	1/4	3,452.79	1/4	3,109.90	1/4	2,766.95
1/2		1/2		1/2		1/2	4,814.92	1/2	4,473.52	1/2	4,131.56	1/2	3,788.57	1/2	3,445.64	1/2	3,102.76	1/2	2,759.80
3/4		3/4		3/4		3/4	4,807.83	3/4	4,466.41	3/4	4,124.41	3/4	3,781.43	3/4	3,438.50	3/4	3,095.61	3/4	2,752.66
10		10		10		10	4,800.71	10	4,459.30	10	4,117.27	10	3,774.28	10	3,431.36	10	3,088.47	10	2,745.51
1/4		1/4		1/4		1/4	4,793.60	1/4	4,452.19	1/4	4,110.12	1/4	3,767.14	1/4	3,424.21	1/4	3,081.33	1/4	2,738.37
1/2		1/2		1/2		1/2	4,786.49	1/2	4,445.07	1/2	4,102.98	1/2	3,759.99	1/2	3,417.07	1/2	3,074.18	1/2	2,731.22
3/4		3/4		3/4	5,039.82	3/4	4,779.37	3/4	4,437.96	3/4	4,095.83	3/4	3,752.85	3/4	3,409.93	3/4	3,067.04	3/4	2,724.08
11		11		11	5,038.89	11	4,772.26	11	4,430.85	11	4,088.68	11	3,745.70	11	3,402.78	11	3,059.90	11	2,716.93
1/4		1/4		1/4	5,037.96	1/4	4,765.15	1/4	4,423.73	1/4	4,081.54	1/4	3,738.56	1/4	3,395.64	1/4	3,052.75	1/4	2,709.79
1/2		1/2		1/2	5,037.03	1/2	4,758.04	1/2	4,416.62	1/2	4,074.39	1/2	3,731.41	1/2	3,388.50	1/2	3,045.61	1/2	2,702.64
3/4		3/4		3/4	5,036.11	3/4	4,750.92	3/4	4,409.51	3/4	4,067.25	3/4	3,724.26	3/4	3,381.35	3/4	3,038.46	3/4	2,695.49

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 ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

1 PORT

ULLAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-01 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	2,688.35	0	2,345.36	0	2,002.35	0	1,659.35	0	1,316.35	0	974.11	0	632.98	0	297.70	0	17.70	0	
1/4	2,681.20	1/4	2,338.21	1/4	1,995.21	1/4	1,652.20	1/4	1,309.20	1/4	967.03	1/4	625.83	1/4	291.14	1/4	14.90	1/4	
1/2	2,674.06	1/2	2,331.06	1/2	1,988.06	1/2	1,645.06	1/2	1,302.06	1/2	959.94	1/2	618.68	1/2	284.58	1/2	12.10	1/2	
3/4	2,666.91	3/4	2,323.92	3/4	1,980.92	3/4	1,637.91	3/4	1,294.91	3/4	952.86	3/4	611.54	3/4	278.02	3/4	9.30	3/4	
1	2,659.77	1	2,316.77	1	1,973.77	1	1,630.77	1	1,287.76	1	945.77	1	604.39	1	271.54	1	7.51	1	
1/4	2,652.62	1/4	2,309.63	1/4	1,966.62	1/4	1,623.62	1/4	1,280.62	1/4	938.69	1/4	597.25	1/4	265.07	1/4	5.73	1/4	
1/2	2,645.48	1/2	2,302.48	1/2	1,959.48	1/2	1,616.47	1/2	1,273.47	1/2	931.60	1/2	590.10	1/2	258.59	1/2	3.94	1/2	
3/4	2,638.33	3/4	2,295.34	3/4	1,952.33	3/4	1,609.33	3/4	1,266.33	3/4	924.51	3/4	582.96	3/4	252.11	3/4	2.15	3/4	
2	2,631.19	2	2,288.19	2	1,945.19	2	1,602.18	2	1,259.18	2	917.43	2	575.81	2	245.72	2		2	
1/4	2,624.04	1/4	2,281.04	1/4	1,938.04	1/4	1,595.04	1/4	1,252.03	1/4	910.34	1/4	568.66	1/4	239.32	1/4		1/4	
1/2	2,616.90	1/2	2,273.90	1/2	1,930.89	1/2	1,587.89	1/2	1,244.89	1/2	903.26	1/2	561.52	1/2	232.93	1/2		1/2	
3/4	2,609.75	3/4	2,266.75	3/4	1,923.75	3/4	1,580.75	3/4	1,237.74	3/4	896.17	3/4	554.37	3/4	226.53	3/4		3/4	
3	2,602.61	3	2,259.61	3	1,916.60	3	1,573.60	3	1,230.60	3	889.09	3	547.23	3	220.22	3		3	
1/4	2,595.46	1/4	2,252.46	1/4	1,909.46	1/4	1,566.45	1/4	1,223.45	1/4	882.00	1/4	540.08	1/4	213.91	1/4		1/4	
1/2	2,588.32	1/2	2,245.31	1/2	1,902.31	1/2	1,559.31	1/2	1,216.30	1/2	874.92	1/2	532.94	1/2	207.60	1/2		1/2	
3/4	2,581.17	3/4	2,238.17	3/4	1,895.16	3/4	1,552.16	3/4	1,209.16	3/4	867.83	3/4	525.79	3/4	201.29	3/4		3/4	
4	2,574.03	4	2,231.02	4	1,888.02	4	1,545.02	4	1,202.01	4	860.75	4	518.64	4	195.06	4		4	
1/4	2,566.88	1/4	2,223.88	1/4	1,880.87	1/4	1,537.87	1/4	1,194.87	1/4	853.66	1/4	511.50	1/4	188.84	1/4		1/4	
1/2	2,559.73	1/2	2,216.73	1/2	1,873.73	1/2	1,530.72	1/2	1,187.72	1/2	846.58	1/2	504.35	1/2	182.61	1/2		1/2	
3/4	2,552.59	3/4	2,209.58	3/4	1,866.58	3/4	1,523.58	3/4	1,180.57	3/4	839.49	3/4	497.21	3/4	176.38	3/4		3/4	
5	2,545.44	5	2,202.44	5	1,859.44	5	1,516.43	5	1,173.43	5	832.41	5	490.09	5	170.24	5		5	
1/4	2,538.30	1/4	2,195.29	1/4	1,852.29	1/4	1,509.29	1/4	1,166.28	1/4	825.32	1/4	482.96	1/4	164.09	1/4		1/4	
1/2	2,531.15	1/2	2,188.15	1/2	1,845.14	1/2	1,502.14	1/2	1,159.14	1/2	818.23	1/2	475.84	1/2	157.95	1/2		1/2	
3/4	2,524.00	3/4	2,181.00	3/4	1,838.00	3/4	1,494.99	3/4	1,151.99	3/4	811.15	3/4	468.72	3/4	151.81	3/4		3/4	
6	2,516.86	6	2,173.85	6	1,830.85	6	1,487.85	6	1,144.85	6	804.06	6	461.66	6	145.75	6		6	
1/4	2,509.71	1/4	2,166.71	1/4	1,823.71	1/4	1,480.70	1/4	1,137.70	1/4	796.97	1/4	454.60	1/4	139.69	1/4		1/4	
1/2	2,502.57	1/2	2,159.56	1/2	1,816.56	1/2	1,473.56	1/2	1,130.55	1/2	789.88	1/2	447.55	1/2	133.63	1/2		1/2	
3/4	2,495.42	3/4	2,152.42	3/4	1,809.41	3/4	1,466.41	3/4	1,123.41	3/4	782.79	3/4	440.49	3/4	127.56	3/4		3/4	
7	2,488.27	7	2,145.27	7	1,802.27	7	1,459.26	7	1,116.26	7	775.69	7	433.51	7	121.59	7		7	
1/4	2,481.13	1/4	2,138.13	1/4	1,795.12	1/4	1,452.12	1/4	1,109.12	1/4	768.59	1/4	426.54	1/4	115.61	1/4		1/4	
1/2	2,473.98	1/2	2,130.98	1/2	1,787.98	1/2	1,444.97	1/2	1,101.97	1/2	761.48	1/2	419.56	1/2	109.64	1/2		1/2	
3/4	2,466.84	3/4	2,123.83	3/4	1,780.83	3/4	1,437.83	3/4	1,094.82	3/4	754.38	3/4	412.59	3/4	103.66	3/4		3/4	
8	2,459.69	8	2,116.69	8	1,773.68	8	1,430.68	8	1,087.70	8	747.25	8	405.69	8	97.77	8		8	
1/4	2,452.55	1/4	2,109.54	1/4	1,766.54	1/4	1,423.54	1/4	1,080.57	1/4	740.13	1/4	398.80	1/4	91.89	1/4		1/4	
1/2	2,445.40	1/2	2,102.40	1/2	1,759.39	1/2	1,416.39	1/2	1,073.44	1/2	733.00	1/2	391.90	1/2	86.00	1/2		1/2	
3/4	2,438.25	3/4	2,095.25	3/4	1,752.25	3/4	1,409.24	3/4	1,066.31	3/4	725.87	3/4	385.01	3/4	80.11	3/4		3/4	
9	2,431.11	9	2,088.10	9	1,745.10	9	1,402.10	9	1,059.21	9	718.72	9	378.19	9	74.32	9		9	
1/4	2,423.96	1/4	2,080.96	1/4	1,737.96	1/4	1,394.95	1/4	1,052.10	1/4	711.58	1/4	371.38	1/4	68.54	1/4		1/4	
1/2	2,416.82	1/2	2,073.81	1/2	1,730.81	1/2	1,387.81	1/2	1,045.00	1/2	704.43	1/2	364.57	1/2	62.75	1/2		1/2	
3/4	2,409.67	3/4	2,066.67	3/4	1,723.66	3/4	1,380.66	3/4	1,037.90	3/4	697.29	3/4	357.76	3/4	56.97	3/4		3/4	
10	2,402.52	10	2,059.52	10	1,716.52	10	1,373.51	10	1,030.81	10	690.14	10	351.03	10	51.70	10		10	
1/4	2,395.38	1/4	2,052.37	1/4	1,709.37	1/4	1,366.37	1/4	1,023.72	1/4	683.00	1/4	344.30	1/4	46.44	1/4		1/4	
1/2	2,388.23	1/2	2,045.23	1/2	1,702.23	1/2	1,359.22	1/2	1,016.63	1/2	675.85	1/2	337.57	1/2	41.18	1/2		1/2	
3/4	2,381.09	3/4	2,038.08	3/4	1,695.08	3/4	1,352.08	3/4	1,009.54	3/4	668.70	3/4	330.85	3/4	35.92	3/4		3/4	
11	2,373.94	11	2,030.94	11	1,687.93	11	1,344.93	11	1,002.45	11	661.56	11	324.20	11	32.07	11		11	
1/4	2,366.79	1/4	2,023.79	1/4	1,680.79	1/4	1,337.78	1/4	995.37	1/4	654.41	1/4	317.56	1/4	28.21	1/4		1/4	
1/2	2,359.65	1/2	2,016.65	1/2	1,673.64	1/2	1,330.64	1/2	988.28	1/2	647.27	1/2	310.91	1/2	24.36	1/2		1/2	
3/4	2,352.50	3/4	2,009.50	3/4	1,666.50	3/4	1,323.49	3/4	981.20	3/4	640.12	3/4	304.27	3/4	20.50	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

1 STBD

ULLAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02"

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		0		0		0	5,025.06	0	4,740.64	0	4,400.14	0	4,058.78	0	3,716.71	0	3,374.71	0	3,032.73
1/4		1/4		1/4		1/4	5,023.06	1/4	4,733.55	1/4	4,393.04	1/4	4,051.65	1/4	3,709.58	1/4	3,367.59	1/4	3,025.60
1/2		1/2		1/2		1/2	5,021.06	1/2	4,726.46	1/2	4,385.95	1/2	4,044.53	1/2	3,702.46	1/2	3,360.46	1/2	3,018.48
3/4		3/4		3/4		3/4	5,019.06	3/4	4,719.36	3/4	4,378.85	3/4	4,037.40	3/4	3,695.33	3/4	3,353.34	3/4	3,011.36
1		1		1		1	5,017.06	1	4,712.27	1	4,371.76	1	4,030.28	1	3,688.20	1	3,346.21	1	3,004.23
1/4		1/4		1/4		1/4	5,013.87	1/4	4,705.17	1/4	4,364.67	1/4	4,023.15	1/4	3,681.08	1/4	3,339.09	1/4	2,997.10
1/2		1/2		1/2		1/2	5,010.68	1/2	4,698.08	1/2	4,357.57	1/2	4,016.02	1/2	3,673.95	1/2	3,331.96	1/2	2,989.98
3/4		3/4		3/4		3/4	5,007.50	3/4	4,690.99	3/4	4,350.48	3/4	4,008.90	3/4	3,666.82	3/4	3,324.84	3/4	2,982.85
2		2		2		2	5,004.31	2	4,683.89	2	4,343.38	2	4,001.77	2	3,659.70	2	3,317.71	2	2,975.72
1/4		1/4		1/4		1/4	4,999.93	1/4	4,676.80	1/4	4,336.29	1/4	3,994.64	1/4	3,652.57	1/4	3,310.59	1/4	2,968.60
1/2		1/2		1/2		1/2	4,995.55	1/2	4,669.70	1/2	4,329.20	1/2	3,987.52	1/2	3,645.44	1/2	3,303.46	1/2	2,961.47
3/4		3/4		3/4		3/4	4,991.18	3/4	4,662.61	3/4	4,322.10	3/4	3,980.39	3/4	3,638.32	3/4	3,296.34	3/4	2,954.34
3		3		3		3	4,986.80	3	4,655.52	3	4,315.01	3	3,973.26	3	3,631.19	3	3,289.21	3	2,947.22
1/4		1/4		1/4		1/4	4,981.24	1/4	4,648.42	1/4	4,307.92	1/4	3,966.14	1/4	3,624.07	1/4	3,282.09	1/4	2,940.09
1/2		1/2		1/2		1/2	4,975.67	1/2	4,641.33	1/2	4,300.82	1/2	3,959.01	1/2	3,616.94	1/2	3,274.97	1/2	2,932.97
3/4		3/4		3/4		3/4	4,970.11	3/4	4,634.23	3/4	4,293.73	3/4	3,951.88	3/4	3,609.82	3/4	3,267.84	3/4	2,925.84
4		4		4		4	4,964.54	4	4,627.14	4	4,286.63	4	3,944.76	4	3,602.70	4	3,260.72	4	2,918.71
1/4		1/4		1/4		1/4	4,957.97	1/4	4,620.05	1/4	4,279.54	1/4	3,937.63	1/4	3,595.57	1/4	3,253.59	1/4	2,911.59
1/2		1/2		1/2		1/2	4,951.40	1/2	4,612.95	1/2	4,272.45	1/2	3,930.50	1/2	3,588.45	1/2	3,246.47	1/2	2,904.46
3/4		3/4		3/4		3/4	4,944.84	3/4	4,605.86	3/4	4,265.35	3/4	3,923.38	3/4	3,581.32	3/4	3,239.34	3/4	2,897.33
5		5		5		5	4,938.27	5	4,598.77	5	4,258.26	5	3,916.25	5	3,574.20	5	3,232.22	5	2,890.21
1/4		1/4		1/4		1/4	4,931.26	1/4	4,591.67	1/4	4,251.15	1/4	3,909.12	1/4	3,567.07	1/4	3,225.09	1/4	2,883.08
1/2		1/2		1/2		1/2	4,924.25	1/2	4,584.58	1/2	4,244.04	1/2	3,902.00	1/2	3,559.95	1/2	3,217.97	1/2	2,875.95
3/4		3/4		3/4		3/4	4,917.24	3/4	4,577.48	3/4	4,236.93	3/4	3,894.87	3/4	3,552.83	3/4	3,210.84	3/4	2,868.83
6		6		6		6	4,910.24	6	4,570.39	6	4,229.82	6	3,887.75	6	3,545.70	6	3,203.72	6	2,861.70
1/4		1/4		1/4		1/4	4,903.19	1/4	4,563.30	1/4	4,222.69	1/4	3,880.62	1/4	3,538.58	1/4	3,196.60	1/4	2,854.58
1/2		1/2		1/2		1/2	4,896.15	1/2	4,556.20	1/2	4,215.56	1/2	3,873.49	1/2	3,531.45	1/2	3,189.47	1/2	2,847.45
3/4		3/4		3/4		3/4	4,889.11	3/4	4,549.11	3/4	4,208.44	3/4	3,866.37	3/4	3,524.33	3/4	3,182.35	3/4	2,840.32
7		7		7		7	4,882.07	7	4,542.01	7	4,201.31	7	3,859.24	7	3,517.20	7	3,175.22	7	2,833.20
1/4		1/4		1/4		1/4	4,875.02	1/4	4,534.92	1/4	4,194.18	1/4	3,852.11	1/4	3,510.08	1/4	3,168.10	1/4	2,826.07
1/2		1/2		1/2		1/2	4,867.97	1/2	4,527.83	1/2	4,187.06	1/2	3,844.99	1/2	3,502.95	1/2	3,160.97	1/2	2,818.94
3/4		3/4		3/4		3/4	4,860.93	3/4	4,520.73	3/4	4,179.93	3/4	3,837.86	3/4	3,495.83	3/4	3,153.85	3/4	2,811.82
8		8		8		8	4,853.88	8	4,513.64	8	4,172.81	8	3,830.73	8	3,488.70	8	3,146.72	8	2,804.69
1/4		1/4		1/4		1/4	4,846.83	1/4	4,506.54	1/4	4,165.68	1/4	3,823.61	1/4	3,481.58	1/4	3,139.60	1/4	2,797.56
1/2		1/2		1/2		1/2	4,839.78	1/2	4,499.45	1/2	4,158.55	1/2	3,816.48	1/2	3,474.45	1/2	3,132.47	1/2	2,790.44
3/4		3/4		3/4		3/4	4,832.73	3/4	4,492.36	3/4	4,151.43	3/4	3,809.35	3/4	3,467.33	3/4	3,125.35	3/4	2,783.31
9		9		9		9	4,825.68	9	4,485.26	9	4,144.30	9	3,802.23	9	3,460.21	9	3,118.22	9	2,776.18
1/4		1/4		1/4		1/4	4,818.61	1/4	4,478.17	1/4	4,137.17	1/4	3,795.10	1/4	3,453.08	1/4	3,111.10	1/4	2,769.06
1/2		1/2		1/2		1/2	4,811.54	1/2	4,471.08	1/2	4,130.05	1/2	3,787.97	1/2	3,445.96	1/2	3,103.98	1/2	2,761.93
3/4		3/4		3/4		3/4	4,804.47	3/4	4,463.98	3/4	4,122.92	3/4	3,780.85	3/4	3,438.83	3/4	3,096.85	3/4	2,754.81
10		10		10		10	4,797.39	10	4,456.89	10	4,115.79	10	3,773.72	10	3,431.71	10	3,089.73	10	2,747.68
1/4		1/4		1/4		1/4	4,790.30	1/4	4,449.79	1/4	4,108.67	1/4	3,766.59	1/4	3,424.58	1/4	3,082.60	1/4	2,740.55
1/2		1/2		1/2		1/2	4,783.21	1/2	4,442.70	1/2	4,101.54	1/2	3,759.47	1/2	3,417.46	1/2	3,075.48	1/2	2,733.43
3/4		3/4		3/4		3/4	4,776.11	3/4	4,435.61	3/4	4,094.41	3/4	3,752.34	3/4	3,410.33	3/4	3,068.35	3/4	2,726.30
11		11		11	5,028.77	11	4,769.02	11	4,428.51	11	4,087.29	11	3,745.22	11	3,403.21	11	3,061.23	11	2,719.17
1/4		1/4		1/4	5,027.84	1/4	4,761.92	1/4	4,421.42	1/4	4,080.16	1/4	3,738.09	1/4	3,396.08	1/4	3,054.10	1/4	2,712.05
1/2		1/2		1/2	5,026.92	1/2	4,754.83	1/2	4,414.32	1/2	4,073.03	1/2	3,730.96	1/2	3,388.96	1/2	3,046.98	1/2	2,704.92
3/4		3/4		3/4	5,025.99	3/4	4,747.74	3/4	4,407.23	3/4	4,065.91	3/4	3,723.84	3/4	3,381.83	3/4	3,039.85	3/4	2,697.79

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 ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

1 STBD

ULLAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02"

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	2,690.67	0	2,348.59	0	2,006.50	0	1,664.40	0	1,322.31	0	980.27	0	638.41	0	303.42	0	20.44	0	
1/4	2,683.54	1/4	2,341.47	1/4	1,999.37	1/4	1,657.28	1/4	1,315.18	1/4	973.15	1/4	631.29	1/4	296.87	1/4	17.65	1/4	
1/2	2,676.42	1/2	2,334.34	1/2	1,992.24	1/2	1,650.15	1/2	1,308.05	1/2	966.03	1/2	624.16	1/2	290.33	1/2	14.86	1/2	
3/4	2,669.29	3/4	2,327.21	3/4	1,985.12	3/4	1,643.02	3/4	1,300.93	3/4	958.91	3/4	617.03	3/4	283.79	3/4	12.07	3/4	
1	2,662.16	1	2,320.09	1	1,977.99	1	1,635.89	1	1,293.80	1	951.79	1	609.91	1	277.24	1	9.27	1	
1/4	2,655.04	1/4	2,312.96	1/4	1,970.86	1/4	1,628.77	1/4	1,286.67	1/4	944.68	1/4	602.78	1/4	270.78	1/4	7.49	1/4	
1/2	2,647.91	1/2	2,305.83	1/2	1,963.74	1/2	1,621.64	1/2	1,279.54	1/2	937.56	1/2	595.65	1/2	264.32	1/2	5.71	1/2	
3/4	2,640.78	3/4	2,298.71	3/4	1,956.61	3/4	1,614.51	3/4	1,272.42	3/4	930.44	3/4	588.53	3/4	257.86	3/4	3.93	3/4	
2	2,633.66	2	2,291.58	2	1,949.48	2	1,607.39	2	1,265.29	2	923.32	2	581.40	2	251.40	2	2.15	2	
1/4	2,626.53	1/4	2,284.45	1/4	1,942.36	1/4	1,600.26	1/4	1,258.16	1/4	916.20	1/4	574.27	1/4	245.03	1/4		1/4	
1/2	2,619.41	1/2	2,277.32	1/2	1,935.23	1/2	1,593.13	1/2	1,251.04	1/2	909.09	1/2	567.15	1/2	238.65	1/2		1/2	
3/4	2,612.29	3/4	2,270.20	3/4	1,928.10	3/4	1,586.01	3/4	1,243.91	3/4	901.97	3/4	560.02	3/4	232.27	3/4		3/4	
3	2,605.17	3	2,263.07	3	1,920.97	3	1,578.88	3	1,236.78	3	894.85	3	552.89	3	225.90	3		3	
1/4	2,598.04	1/4	2,255.94	1/4	1,913.85	1/4	1,571.75	1/4	1,229.66	1/4	887.73	1/4	545.77	1/4	219.60	1/4		1/4	
1/2	2,590.91	1/2	2,248.82	1/2	1,906.72	1/2	1,564.62	1/2	1,222.53	1/2	880.61	1/2	538.64	1/2	213.31	1/2		1/2	
3/4	2,583.79	3/4	2,241.69	3/4	1,899.59	3/4	1,557.50	3/4	1,215.40	3/4	873.50	3/4	531.51	3/4	207.02	3/4		3/4	
4	2,576.66	4	2,234.56	4	1,892.47	4	1,550.37	4	1,208.27	4	866.38	4	524.39	4	200.72	4		4	
1/4	2,569.53	1/4	2,227.44	1/4	1,885.34	1/4	1,543.24	1/4	1,201.15	1/4	859.26	1/4	517.26	1/4	194.51	1/4		1/4	
1/2	2,562.40	1/2	2,220.31	1/2	1,878.21	1/2	1,536.12	1/2	1,194.02	1/2	852.14	1/2	510.13	1/2	188.30	1/2		1/2	
3/4	2,555.28	3/4	2,213.18	3/4	1,871.09	3/4	1,528.99	3/4	1,186.89	3/4	845.02	3/4	503.01	3/4	182.09	3/4		3/4	
5	2,548.15	5	2,206.05	5	1,863.96	5	1,521.86	5	1,179.77	5	837.91	5	495.88	5	175.88	5		5	
1/4	2,541.02	1/4	2,198.93	1/4	1,856.83	1/4	1,514.74	1/4	1,172.64	1/4	830.79	1/4	488.77	1/4	169.76	1/4		1/4	
1/2	2,533.90	1/2	2,191.80	1/2	1,849.70	1/2	1,507.61	1/2	1,165.51	1/2	823.67	1/2	481.67	1/2	163.63	1/2		1/2	
3/4	2,526.77	3/4	2,184.67	3/4	1,842.58	3/4	1,500.48	3/4	1,158.39	3/4	816.55	3/4	474.56	3/4	157.50	3/4		3/4	
6	2,519.64	6	2,177.55	6	1,835.45	6	1,493.35	6	1,151.26	6	809.43	6	467.46	6	151.38	6		6	
1/4	2,512.52	1/4	2,170.42	1/4	1,828.32	1/4	1,486.23	1/4	1,144.13	1/4	802.31	1/4	460.41	1/4	145.33	1/4		1/4	
1/2	2,505.39	1/2	2,163.29	1/2	1,821.20	1/2	1,479.10	1/2	1,137.00	1/2	795.19	1/2	453.37	1/2	139.29	1/2		1/2	
3/4	2,498.26	3/4	2,156.17	3/4	1,814.07	3/4	1,471.97	3/4	1,129.88	3/4	788.07	3/4	446.33	3/4	133.25	3/4		3/4	
7	2,491.13	7	2,149.04	7	1,806.94	7	1,464.85	7	1,122.75	7	780.95	7	439.28	7	127.20	7		7	
1/4	2,484.01	1/4	2,141.91	1/4	1,799.82	1/4	1,457.72	1/4	1,115.62	1/4	773.82	1/4	432.32	1/4	121.24	1/4		1/4	
1/2	2,476.88	1/2	2,134.78	1/2	1,792.69	1/2	1,450.59	1/2	1,108.50	1/2	766.69	1/2	425.36	1/2	115.28	1/2		1/2	
3/4	2,469.75	3/4	2,127.66	3/4	1,785.56	3/4	1,443.47	3/4	1,101.37	3/4	759.57	3/4	418.40	3/4	109.32	3/4		3/4	
8	2,462.63	8	2,120.53	8	1,778.43	8	1,436.34	8	1,094.24	8	752.44	8	411.44	8	103.37	8		8	
1/4	2,455.50	1/4	2,113.40	1/4	1,771.31	1/4	1,429.21	1/4	1,087.12	1/4	745.31	1/4	404.57	1/4	97.49	1/4		1/4	
1/2	2,448.37	1/2	2,106.28	1/2	1,764.18	1/2	1,422.08	1/2	1,079.99	1/2	738.19	1/2	397.69	1/2	91.62	1/2		1/2	
3/4	2,441.25	3/4	2,099.15	3/4	1,757.05	3/4	1,414.96	3/4	1,072.86	3/4	731.06	3/4	390.81	3/4	85.75	3/4		3/4	
9	2,434.12	9	2,092.02	9	1,749.93	9	1,407.83	9	1,065.73	9	723.93	9	383.94	9	79.88	9		9	
1/4	2,426.99	1/4	2,084.90	1/4	1,742.80	1/4	1,400.70	1/4	1,058.61	1/4	716.81	1/4	377.14	1/4	74.11	1/4		1/4	
1/2	2,419.86	1/2	2,077.77	1/2	1,735.67	1/2	1,393.58	1/2	1,051.48	1/2	709.68	1/2	370.35	1/2	68.34	1/2		1/2	
3/4	2,412.74	3/4	2,070.64	3/4	1,728.55	3/4	1,386.45	3/4	1,044.35	3/4	702.55	3/4	363.56	3/4	62.57	3/4		3/4	
10	2,405.61	10	2,063.51	10	1,721.42	10	1,379.32	10	1,037.23	10	695.43	10	356.76	10	56.80	10		10	
1/4	2,398.48	1/4	2,056.39	1/4	1,714.29	1/4	1,372.20	1/4	1,030.11	1/4	688.30	1/4	350.05	1/4	51.56	1/4		1/4	
1/2	2,391.36	1/2	2,049.26	1/2	1,707.16	1/2	1,365.07	1/2	1,022.98	1/2	681.17	1/2	343.34	1/2	46.31	1/2		1/2	
3/4	2,384.23	3/4	2,042.13	3/4	1,700.04	3/4	1,357.94	3/4	1,015.86	3/4	674.05	3/4	336.63	3/4	41.07	3/4		3/4	
11	2,377.10	11	2,035.01	11	1,692.91	11	1,350.81	11	1,008.74	11	666.92	11	329.92	11	35.82	11		11	
1/4	2,369.98	1/4	2,027.88	1/4	1,685.78	1/4	1,343.69	1/4	1,001.62	1/4	659.79	1/4	323.30	1/4	31.97	1/4		1/4	
1/2	2,362.85	1/2	2,020.75	1/2	1,678.66	1/2	1,336.56	1/2	994.50	1/2	652.67	1/2	316.67	1/2	28.13	1/2		1/2	
3/4	2,355.72	3/4	2,013.63	3/4	1,671.53	3/4	1,329.43	3/4	987.38	3/4	645.54	3/4	310.04	3/4	24.29	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

2 PORT

ULLAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-01 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		0		0		0	5,084.02	0	4,793.71	0	4,452.26	0	4,109.92	0	3,766.90	0	3,423.87	0	3,080.85
1/4		1/4		1/4		1/4	5,082.02	1/4	4,786.60	1/4	4,445.14	1/4	4,102.77	1/4	3,759.75	1/4	3,416.73	1/4	3,073.71
1/2		1/2		1/2		1/2	5,080.01	1/2	4,779.49	1/2	4,438.03	1/2	4,095.63	1/2	3,752.60	1/2	3,409.58	1/2	3,066.56
3/4		3/4		3/4		3/4	5,078.00	3/4	4,772.37	3/4	4,430.92	3/4	4,088.48	3/4	3,745.46	3/4	3,402.44	3/4	3,059.41
1		1		1		1	5,074.81	1	4,765.26	1	4,423.80	1	4,081.33	1	3,738.31	1	3,395.29	1	3,052.27
1/4		1/4		1/4		1/4	5,071.61	1/4	4,758.15	1/4	4,416.69	1/4	4,074.19	1/4	3,731.17	1/4	3,388.14	1/4	3,045.12
1/2		1/2		1/2		1/2	5,068.41	1/2	4,751.03	1/2	4,409.57	1/2	4,067.04	1/2	3,724.02	1/2	3,381.00	1/2	3,037.97
3/4		3/4		3/4		3/4	5,065.22	3/4	4,743.92	3/4	4,402.46	3/4	4,059.90	3/4	3,716.87	3/4	3,373.85	3/4	3,030.82
2		2		2		2	5,060.83	2	4,736.81	2	4,395.35	2	4,052.75	2	3,709.73	2	3,366.70	2	3,023.68
1/4		1/4		1/4		1/4	5,056.44	1/4	4,729.69	1/4	4,388.23	1/4	4,045.60	1/4	3,702.58	1/4	3,359.56	1/4	3,016.53
1/2		1/2		1/2		1/2	5,052.05	1/2	4,722.58	1/2	4,381.12	1/2	4,038.46	1/2	3,695.43	1/2	3,352.41	1/2	3,009.38
3/4		3/4		3/4		3/4	5,047.66	3/4	4,715.46	3/4	4,374.01	3/4	4,031.31	3/4	3,688.29	3/4	3,345.27	3/4	3,002.23
3		3		3		3	5,042.09	3	4,708.35	3	4,366.89	3	4,024.16	3	3,681.14	3	3,338.12	3	2,995.08
1/4		1/4		1/4		1/4	5,036.51	1/4	4,701.24	1/4	4,359.78	1/4	4,017.02	1/4	3,674.00	1/4	3,330.97	1/4	2,987.93
1/2		1/2		1/2		1/2	5,030.93	1/2	4,694.12	1/2	4,352.67	1/2	4,009.87	1/2	3,666.85	1/2	3,323.83	1/2	2,980.79
3/4		3/4		3/4		3/4	5,025.35	3/4	4,687.01	3/4	4,345.55	3/4	4,002.72	3/4	3,659.70	3/4	3,316.68	3/4	2,973.64
4		4		4		4	5,018.76	4	4,679.90	4	4,338.44	4	3,995.58	4	3,652.56	4	3,309.53	4	2,966.49
1/4		1/4		1/4		1/4	5,012.17	1/4	4,672.78	1/4	4,331.32	1/4	3,988.43	1/4	3,645.41	1/4	3,302.39	1/4	2,959.34
1/2		1/2		1/2		1/2	5,005.58	1/2	4,665.67	1/2	4,324.21	1/2	3,981.29	1/2	3,638.26	1/2	3,295.24	1/2	2,952.19
3/4		3/4		3/4		3/4	4,999.00	3/4	4,658.55	3/4	4,317.10	3/4	3,974.14	3/4	3,631.12	3/4	3,288.09	3/4	2,945.04
5		5		5		5	4,991.97	5	4,651.44	5	4,309.97	5	3,966.99	5	3,623.97	5	3,280.95	5	2,937.90
1/4		1/4		1/4		1/4	4,984.94	1/4	4,644.33	1/4	4,302.84	1/4	3,959.85	1/4	3,616.82	1/4	3,273.80	1/4	2,930.75
1/2		1/2		1/2		1/2	4,977.91	1/2	4,637.21	1/2	4,295.71	1/2	3,952.70	1/2	3,609.68	1/2	3,266.66	1/2	2,923.60
3/4		3/4		3/4		3/4	4,970.89	3/4	4,630.10	3/4	4,288.58	3/4	3,945.55	3/4	3,602.53	3/4	3,259.51	3/4	2,916.45
6		6		6		6	4,963.83	6	4,622.99	6	4,281.43	6	3,938.41	6	3,595.39	6	3,252.36	6	2,909.30
1/4		1/4		1/4		1/4	4,956.77	1/4	4,615.87	1/4	4,274.28	1/4	3,931.26	1/4	3,588.24	1/4	3,245.22	1/4	2,902.15
1/2		1/2		1/2		1/2	4,949.71	1/2	4,608.76	1/2	4,267.14	1/2	3,924.12	1/2	3,581.09	1/2	3,238.07	1/2	2,895.01
3/4		3/4		3/4		3/4	4,942.65	3/4	4,601.64	3/4	4,259.99	3/4	3,916.97	3/4	3,573.95	3/4	3,230.92	3/4	2,887.86
7		7		7		7	4,935.58	7	4,594.53	7	4,252.85	7	3,909.82	7	3,566.80	7	3,223.78	7	2,880.71
1/4		1/4		1/4		1/4	4,928.51	1/4	4,587.42	1/4	4,245.70	1/4	3,902.68	1/4	3,559.65	1/4	3,216.63	1/4	2,873.56
1/2		1/2		1/2		1/2	4,921.44	1/2	4,580.30	1/2	4,238.55	1/2	3,895.53	1/2	3,552.51	1/2	3,209.49	1/2	2,866.41
3/4		3/4		3/4		3/4	4,914.38	3/4	4,573.19	3/4	4,231.41	3/4	3,888.38	3/4	3,545.36	3/4	3,202.34	3/4	2,859.26
8		8		8		8	4,907.31	8	4,566.08	8	4,224.26	8	3,881.24	8	3,538.22	8	3,195.19	8	2,852.12
1/4		1/4		1/4		1/4	4,900.24	1/4	4,558.96	1/4	4,217.11	1/4	3,874.09	1/4	3,531.07	1/4	3,188.05	1/4	2,844.97
1/2		1/2		1/2		1/2	4,893.17	1/2	4,551.85	1/2	4,209.97	1/2	3,866.95	1/2	3,523.92	1/2	3,180.90	1/2	2,837.82
3/4		3/4		3/4		3/4	4,886.10	3/4	4,544.74	3/4	4,202.82	3/4	3,859.80	3/4	3,516.78	3/4	3,173.75	3/4	2,830.67
9		9		9		9	4,879.01	9	4,537.62	9	4,195.67	9	3,852.65	9	3,509.63	9	3,166.61	9	2,823.52
1/4		1/4		1/4		1/4	4,871.92	1/4	4,530.51	1/4	4,188.53	1/4	3,845.51	1/4	3,502.48	1/4	3,159.46	1/4	2,816.38
1/2		1/2		1/2		1/2	4,864.83	1/2	4,523.39	1/2	4,181.38	1/2	3,838.36	1/2	3,495.34	1/2	3,152.32	1/2	2,809.23
3/4		3/4		3/4		3/4	4,857.74	3/4	4,516.28	3/4	4,174.24	3/4	3,831.21	3/4	3,488.19	3/4	3,145.17	3/4	2,802.08
10		10		10		10	4,850.62	10	4,509.17	10	4,167.09	10	3,824.07	10	3,481.04	10	3,138.02	10	2,794.93
1/4		1/4		1/4		1/4	4,843.51	1/4	4,502.05	1/4	4,159.94	1/4	3,816.92	1/4	3,473.90	1/4	3,130.88	1/4	2,787.78
1/2		1/2		1/2		1/2	4,836.40	1/2	4,494.94	1/2	4,152.80	1/2	3,809.77	1/2	3,466.75	1/2	3,123.73	1/2	2,780.63
3/4		3/4		3/4	5,089.74	3/4	4,829.28	3/4	4,487.83	3/4	4,145.65	3/4	3,802.63	3/4	3,459.61	3/4	3,116.58	3/4	2,773.49
11		11		11	5,088.81	11	4,822.17	11	4,480.71	11	4,138.50	11	3,795.48	11	3,452.46	11	3,109.44	11	2,766.34
1/4		1/4		1/4	5,087.88	1/4	4,815.06	1/4	4,473.60	1/4	4,131.36	1/4	3,788.34	1/4	3,445.31	1/4	3,102.29	1/4	2,759.19
1/2		1/2		1/2	5,086.96	1/2	4,807.94	1/2	4,466.48	1/2	4,124.21	1/2	3,781.19	1/2	3,438.17	1/2	3,095.14	1/2	2,752.04
3/4		3/4		3/4	5,086.03	3/4	4,800.83	3/4	4,459.37	3/4	4,117.07	3/4	3,774.04	3/4	3,431.02	3/4	3,088.00	3/4	2,744.89

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 ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

2 PORT

ULLAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-01 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	2,737.74	0	2,394.63	0	2,051.51	0	1,708.39	0	1,365.27	0	1,026.63	0	693.53	0	350.42	0	20.02	0	
1/4	2,730.60	1/4	2,387.48	1/4	2,044.36	1/4	1,701.24	1/4	1,358.12	1/4	1,019.79	1/4	686.38	1/4	343.27	1/4	16.45	1/4	
1/2	2,723.45	1/2	2,380.33	1/2	2,037.21	1/2	1,694.09	1/2	1,350.97	1/2	1,012.95	1/2	679.23	1/2	336.13	1/2	12.88	1/2	
3/4	2,716.30	3/4	2,373.18	3/4	2,030.06	3/4	1,686.94	3/4	1,343.83	3/4	1,006.11	3/4	672.08	3/4	328.98	3/4	9.30	3/4	
1	2,709.15	1	2,366.03	1	2,022.91	1	1,679.80	1	1,336.68	1	999.27	1	664.93	1	321.83	1	7.51	1	
1/4	2,702.00	1/4	2,358.88	1/4	2,015.77	1/4	1,672.65	1/4	1,329.53	1/4	992.43	1/4	657.79	1/4	314.68	1/4	5.73	1/4	
1/2	2,694.85	1/2	2,351.74	1/2	2,008.62	1/2	1,665.50	1/2	1,322.38	1/2	985.58	1/2	650.64	1/2	307.53	1/2	3.94	1/2	
3/4	2,687.71	3/4	2,344.59	3/4	2,001.47	3/4	1,658.35	3/4	1,315.23	3/4	978.74	3/4	643.49	3/4	300.39	3/4	2.15	3/4	
2	2,680.56	2	2,337.44	2	1,994.32	2	1,651.20	2	1,308.08	2	971.90	2	636.34	2	293.24	2		2	
1/4	2,673.41	1/4	2,330.29	1/4	1,987.17	1/4	1,644.05	1/4	1,300.94	1/4	965.06	1/4	629.19	1/4	286.09	1/4		1/4	
1/2	2,666.26	1/2	2,323.14	1/2	1,980.02	1/2	1,636.91	1/2	1,293.79	1/2	958.22	1/2	622.05	1/2	278.94	1/2		1/2	
3/4	2,659.11	3/4	2,315.99	3/4	1,972.88	3/4	1,629.76	3/4	1,286.64	3/4	951.38	3/4	614.90	3/4	271.79	3/4		3/4	
3	2,651.96	3	2,308.85	3	1,965.73	3	1,622.61	3	1,279.49	3	944.54	3	607.75	3	264.65	3		3	
1/4	2,644.82	1/4	2,301.70	1/4	1,958.58	1/4	1,615.46	1/4	1,272.34	1/4	937.70	1/4	600.60	1/4	257.50	1/4		1/4	
1/2	2,637.67	1/2	2,294.55	1/2	1,951.43	1/2	1,608.31	1/2	1,265.19	1/2	930.86	1/2	593.45	1/2	250.35	1/2		1/2	
3/4	2,630.52	3/4	2,287.40	3/4	1,944.28	3/4	1,601.16	3/4	1,258.05	3/4	924.02	3/4	586.31	3/4	243.20	3/4		3/4	
4	2,623.37	4	2,280.25	4	1,937.13	4	1,594.02	4	1,250.90	4	917.18	4	579.16	4	236.05	4		4	
1/4	2,616.22	1/4	2,273.10	1/4	1,929.99	1/4	1,586.87	1/4	1,243.75	1/4	910.34	1/4	572.01	1/4	228.91	1/4		1/4	
1/2	2,609.07	1/2	2,265.96	1/2	1,922.84	1/2	1,579.72	1/2	1,236.60	1/2	903.50	1/2	564.86	1/2	221.76	1/2		1/2	
3/4	2,601.93	3/4	2,258.81	3/4	1,915.69	3/4	1,572.57	3/4	1,229.45	3/4	896.65	3/4	557.71	3/4	214.61	3/4		3/4	
5	2,594.78	5	2,251.66	5	1,908.54	5	1,565.42	5	1,222.30	5	889.81	5	550.57	5	207.46	5		5	
1/4	2,587.63	1/4	2,244.51	1/4	1,901.39	1/4	1,558.27	1/4	1,215.16	1/4	882.97	1/4	543.42	1/4	200.31	1/4		1/4	
1/2	2,580.48	1/2	2,237.36	1/2	1,894.24	1/2	1,551.13	1/2	1,208.01	1/2	876.13	1/2	536.27	1/2	193.17	1/2		1/2	
3/4	2,573.33	3/4	2,230.21	3/4	1,887.10	3/4	1,543.98	3/4	1,200.86	3/4	869.29	3/4	529.12	3/4	186.02	3/4		3/4	
6	2,566.18	6	2,223.07	6	1,879.95	6	1,536.83	6	1,193.71	6	862.45	6	521.97	6	178.87	6		6	
1/4	2,559.04	1/4	2,215.92	1/4	1,872.80	1/4	1,529.68	1/4	1,186.56	1/4	855.60	1/4	514.83	1/4	171.72	1/4		1/4	
1/2	2,551.89	1/2	2,208.77	1/2	1,865.65	1/2	1,522.53	1/2	1,179.41	1/2	848.76	1/2	507.68	1/2	164.57	1/2		1/2	
3/4	2,544.74	3/4	2,201.62	3/4	1,858.50	3/4	1,515.38	3/4	1,172.27	3/4	841.91	3/4	500.53	3/4	157.43	3/4		3/4	
7	2,537.59	7	2,194.47	7	1,851.35	7	1,508.24	7	1,165.12	7	835.06	7	493.38	7	150.28	7		7	
1/4	2,530.44	1/4	2,187.32	1/4	1,844.21	1/4	1,501.09	1/4	1,157.97	1/4	828.20	1/4	486.23	1/4	143.13	1/4		1/4	
1/2	2,523.29	1/2	2,180.18	1/2	1,837.06	1/2	1,493.94	1/2	1,150.82	1/2	821.34	1/2	479.09	1/2	135.98	1/2		1/2	
3/4	2,516.15	3/4	2,173.03	3/4	1,829.91	3/4	1,486.79	3/4	1,143.67	3/4	814.48	3/4	471.94	3/4	128.84	3/4		3/4	
8	2,509.00	8	2,165.88	8	1,822.76	8	1,479.64	8	1,136.67	8	807.48	8	464.79	8	121.69	8		8	
1/4	2,501.85	1/4	2,158.73	1/4	1,815.61	1/4	1,472.49	1/4	1,129.66	1/4	800.47	1/4	457.64	1/4	114.55	1/4		1/4	
1/2	2,494.70	1/2	2,151.58	1/2	1,808.46	1/2	1,465.35	1/2	1,122.65	1/2	793.46	1/2	450.49	1/2	107.41	1/2		1/2	
3/4	2,487.55	3/4	2,144.43	3/4	1,801.32	3/4	1,458.20	3/4	1,115.64	3/4	786.45	3/4	443.35	3/4	100.27	3/4		3/4	
9	2,480.40	9	2,137.29	9	1,794.17	9	1,451.05	9	1,108.79	9	779.30	9	436.20	9	93.14	9		9	
1/4	2,473.26	1/4	2,130.14	1/4	1,787.02	1/4	1,443.90	1/4	1,101.93	1/4	772.15	1/4	429.05	1/4	86.02	1/4		1/4	
1/2	2,466.11	1/2	2,122.99	1/2	1,779.87	1/2	1,436.75	1/2	1,095.07	1/2	765.01	1/2	421.90	1/2	78.89	1/2		1/2	
3/4	2,458.96	3/4	2,115.84	3/4	1,772.72	3/4	1,429.60	3/4	1,088.21	3/4	757.86	3/4	414.75	3/4	71.77	3/4		3/4	
10	2,451.81	10	2,108.69	10	1,765.57	10	1,422.46	10	1,081.37	10	750.71	10	407.61	10	65.09	10		10	
1/4	2,444.66	1/4	2,101.55	1/4	1,758.43	1/4	1,415.31	1/4	1,074.52	1/4	743.56	1/4	400.46	1/4	58.40	1/4		1/4	
1/2	2,437.52	1/2	2,094.40	1/2	1,751.28	1/2	1,408.16	1/2	1,067.68	1/2	736.41	1/2	393.31	1/2	51.72	1/2		1/2	
3/4	2,430.37	3/4	2,087.25	3/4	1,744.13	3/4	1,401.01	3/4	1,060.83	3/4	729.27	3/4	386.16	3/4	45.04	3/4		3/4	
11	2,423.22	11	2,080.10	11	1,736.98	11	1,393.86	11	1,053.99	11	722.12	11	379.01	11	39.68	11		11	
1/4	2,416.07	1/4	2,072.95	1/4	1,729.83	1/4	1,386.72	1/4	1,047.15	1/4	714.97	1/4	371.87	1/4	34.32	1/4		1/4	
1/2	2,408.92	1/2	2,065.80	1/2	1,722.69	1/2	1,379.57	1/2	1,040.31	1/2	707.82	1/2	364.72	1/2	28.96	1/2		1/2	
3/4	2,401.77	3/4	2,058.66	3/4	1,715.54	3/4	1,372.42	3/4	1,033.47	3/4	700.67	3/4	357.57	3/4	23.60	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 JS

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BARGE "MPX 401"

2 STBD

ULLAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02"

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		0		0		0	5,106.50	0	4,820.86	0	4,478.91	0	4,136.10	0	3,792.57	0	3,449.12	0	3,105.68
1/4		1/4		1/4		1/4	5,104.49	1/4	4,813.74	1/4	4,471.78	1/4	4,128.94	1/4	3,785.42	1/4	3,441.96	1/4	3,098.53
1/2		1/2		1/2		1/2	5,102.48	1/2	4,806.62	1/2	4,464.66	1/2	4,121.79	1/2	3,778.26	1/2	3,434.81	1/2	3,091.38
3/4		3/4		3/4		3/4	5,100.47	3/4	4,799.49	3/4	4,457.53	3/4	4,114.63	3/4	3,771.10	3/4	3,427.65	3/4	3,084.22
1		1		1		1	5,098.46	1	4,792.37	1	4,450.41	1	4,107.47	1	3,763.95	1	3,420.50	1	3,077.07
1/4		1/4		1/4		1/4	5,095.26	1/4	4,785.24	1/4	4,443.29	1/4	4,100.32	1/4	3,756.79	1/4	3,413.34	1/4	3,069.91
1/2		1/2		1/2		1/2	5,092.05	1/2	4,778.12	1/2	4,436.16	1/2	4,093.16	1/2	3,749.63	1/2	3,406.19	1/2	3,062.75
3/4		3/4		3/4		3/4	5,088.85	3/4	4,770.99	3/4	4,429.04	3/4	4,086.00	3/4	3,742.48	3/4	3,399.03	3/4	3,055.60
2		2		2		2	5,085.65	2	4,763.87	2	4,421.91	2	4,078.85	2	3,735.32	2	3,391.88	2	3,048.44
1/4		1/4		1/4		1/4	5,081.25	1/4	4,756.75	1/4	4,414.79	1/4	4,071.69	1/4	3,728.16	1/4	3,384.72	1/4	3,041.29
1/2		1/2		1/2		1/2	5,076.86	1/2	4,749.62	1/2	4,407.67	1/2	4,064.53	1/2	3,721.01	1/2	3,377.57	1/2	3,034.13
3/4		3/4		3/4		3/4	5,072.46	3/4	4,742.50	3/4	4,400.54	3/4	4,057.37	3/4	3,713.85	3/4	3,370.41	3/4	3,026.97
3		3		3		3	5,068.07	3	4,735.37	3	4,393.42	3	4,050.22	3	3,706.69	3	3,363.26	3	3,019.82
1/4		1/4		1/4		1/4	5,062.48	1/4	4,728.25	1/4	4,386.29	1/4	4,043.06	1/4	3,699.54	1/4	3,356.10	1/4	3,012.66
1/2		1/2		1/2		1/2	5,056.89	1/2	4,721.13	1/2	4,379.17	1/2	4,035.90	1/2	3,692.38	1/2	3,348.95	1/2	3,005.50
3/4		3/4		3/4		3/4	5,051.30	3/4	4,714.00	3/4	4,372.05	3/4	4,028.75	3/4	3,685.22	3/4	3,341.79	3/4	2,998.34
4		4		4		4	5,045.72	4	4,706.88	4	4,364.92	4	4,021.59	4	3,678.07	4	3,334.64	4	2,991.19
1/4		1/4		1/4		1/4	5,039.12	1/4	4,699.75	1/4	4,357.80	1/4	4,014.43	1/4	3,670.91	1/4	3,327.48	1/4	2,984.03
1/2		1/2		1/2		1/2	5,032.52	1/2	4,692.63	1/2	4,350.67	1/2	4,007.28	1/2	3,663.76	1/2	3,320.33	1/2	2,976.87
3/4		3/4		3/4		3/4	5,025.92	3/4	4,685.51	3/4	4,343.55	3/4	4,000.12	3/4	3,656.60	3/4	3,313.17	3/4	2,969.72
5		5		5		5	5,019.33	5	4,678.38	5	4,336.42	5	3,992.96	5	3,649.45	5	3,306.02	5	2,962.56
1/4		1/4		1/4		1/4	5,012.29	1/4	4,671.26	1/4	4,329.28	1/4	3,985.81	1/4	3,642.29	1/4	3,298.86	1/4	2,955.40
1/2		1/2		1/2		1/2	5,005.25	1/2	4,664.13	1/2	4,322.14	1/2	3,978.65	1/2	3,635.14	1/2	3,291.71	1/2	2,948.25
3/4		3/4		3/4		3/4	4,998.21	3/4	4,657.01	3/4	4,315.00	3/4	3,971.49	3/4	3,627.99	3/4	3,284.55	3/4	2,941.09
6		6		6		6	4,991.18	6	4,649.89	6	4,307.86	6	3,964.34	6	3,620.83	6	3,277.40	6	2,933.93
1/4		1/4		1/4		1/4	4,984.11	1/4	4,642.76	1/4	4,300.71	1/4	3,957.18	1/4	3,613.68	1/4	3,270.25	1/4	2,926.78
1/2		1/2		1/2		1/2	4,977.03	1/2	4,635.64	1/2	4,293.55	1/2	3,950.02	1/2	3,606.52	1/2	3,263.09	1/2	2,919.62
3/4		3/4		3/4		3/4	4,969.96	3/4	4,628.51	3/4	4,286.39	3/4	3,942.87	3/4	3,599.37	3/4	3,255.94	3/4	2,912.46
7		7		7		7	4,962.89	7	4,621.39	7	4,279.24	7	3,935.71	7	3,592.21	7	3,248.78	7	2,905.31
1/4		1/4		1/4		1/4	4,955.81	1/4	4,614.26	1/4	4,272.08	1/4	3,928.55	1/4	3,585.06	1/4	3,241.63	1/4	2,898.15
1/2		1/2		1/2		1/2	4,948.74	1/2	4,607.14	1/2	4,264.92	1/2	3,921.40	1/2	3,577.90	1/2	3,234.47	1/2	2,890.99
3/4		3/4		3/4		3/4	4,941.66	3/4	4,600.02	3/4	4,257.77	3/4	3,914.24	3/4	3,570.75	3/4	3,227.32	3/4	2,883.84
8		8		8		8	4,934.58	8	4,592.89	8	4,250.61	8	3,907.08	8	3,563.59	8	3,220.16	8	2,876.68
1/4		1/4		1/4		1/4	4,927.50	1/4	4,585.77	1/4	4,243.45	1/4	3,899.93	1/4	3,556.44	1/4	3,213.01	1/4	2,869.52
1/2		1/2		1/2		1/2	4,920.42	1/2	4,578.64	1/2	4,236.29	1/2	3,892.77	1/2	3,549.28	1/2	3,205.85	1/2	2,862.37
3/4		3/4		3/4		3/4	4,913.34	3/4	4,571.52	3/4	4,229.14	3/4	3,885.61	3/4	3,542.13	3/4	3,198.70	3/4	2,855.21
9		9		9		9	4,906.26	9	4,564.40	9	4,221.98	9	3,878.45	9	3,534.97	9	3,191.54	9	2,848.05
1/4		1/4		1/4		1/4	4,899.16	1/4	4,557.27	1/4	4,214.82	1/4	3,871.30	1/4	3,527.82	1/4	3,184.39	1/4	2,840.90
1/2		1/2		1/2		1/2	4,892.06	1/2	4,550.15	1/2	4,207.67	1/2	3,864.14	1/2	3,520.66	1/2	3,177.23	1/2	2,833.74
3/4		3/4		3/4		3/4	4,884.96	3/4	4,543.02	3/4	4,200.51	3/4	3,856.98	3/4	3,513.51	3/4	3,170.08	3/4	2,826.58
10		10		10		10	4,877.86	10	4,535.90	10	4,193.35	10	3,849.83	10	3,506.35	10	3,162.92	10	2,819.42
1/4		1/4		1/4		1/4	4,870.73	1/4	4,528.78	1/4	4,186.20	1/4	3,842.67	1/4	3,499.20	1/4	3,155.77	1/4	2,812.27
1/2		1/2		1/2		1/2	4,863.61	1/2	4,521.65	1/2	4,179.04	1/2	3,835.51	1/2	3,492.04	1/2	3,148.61	1/2	2,805.11
3/4		3/4		3/4		3/4	4,856.48	3/4	4,514.53	3/4	4,171.88	3/4	3,828.36	3/4	3,484.89	3/4	3,141.46	3/4	2,797.95
11		11		11	5,110.22	11	4,849.36	11	4,507.40	11	4,164.73	11	3,821.20	11	3,477.73	11	3,134.30	11	2,790.80
1/4		1/4		1/4	5,109.29	1/4	4,842.24	1/4	4,500.28	1/4	4,157.57	1/4	3,814.04	1/4	3,470.58	1/4	3,127.15	1/4	2,783.64
1/2		1/2		1/2	5,108.36	1/2	4,835.11	1/2	4,493.16	1/2	4,150.41	1/2	3,806.89	1/2	3,463.42	1/2	3,119.99	1/2	2,776.48
3/4		3/4		3/4	5,107.43	3/4	4,827.99	3/4	4,486.03	3/4	4,143.26	3/4	3,799.73	3/4	3,456.27	3/4	3,112.84	3/4	2,769.33

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 ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

2 STBD

ULLAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02"

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	2,762.17	0	2,418.64	0	2,075.12	0	1,731.59	0	1,388.06	0	1,044.65	0	701.51	0	358.00	0	23.63	0	
1/4	2,755.01	1/4	2,411.49	1/4	2,067.96	1/4	1,724.43	1/4	1,380.91	1/4	1,037.50	1/4	694.35	1/4	350.84	1/4	20.05	1/4	
1/2	2,747.86	1/2	2,404.33	1/2	2,060.80	1/2	1,717.28	1/2	1,373.75	1/2	1,030.36	1/2	687.20	1/2	343.68	1/2	16.47	1/2	
3/4	2,740.70	3/4	2,397.17	3/4	2,053.65	3/4	1,710.12	3/4	1,366.59	3/4	1,023.22	3/4	680.04	3/4	336.53	3/4	12.89	3/4	
1	2,733.54	1	2,390.02	1	2,046.49	1	1,702.96	1	1,359.44	1	1,016.07	1	672.88	1	329.37	1	9.32	1	
1/4	2,726.39	1/4	2,382.86	1/4	2,039.33	1/4	1,695.81	1/4	1,352.28	1/4	1,008.93	1/4	665.73	1/4	322.22	1/4	7.53	1/4	
1/2	2,719.23	1/2	2,375.70	1/2	2,032.18	1/2	1,688.65	1/2	1,345.12	1/2	1,001.79	1/2	658.57	1/2	315.06	1/2	5.74	1/2	
3/4	2,712.07	3/4	2,368.55	3/4	2,025.02	3/4	1,681.49	3/4	1,337.97	3/4	994.65	3/4	651.41	3/4	307.90	3/4	3.95	3/4	
2	2,704.92	2	2,361.39	2	2,017.86	2	1,674.34	2	1,330.81	2	987.50	2	644.26	2	300.75	2	2.16	2	
1/4	2,697.76	1/4	2,354.23	1/4	2,010.71	1/4	1,667.18	1/4	1,323.65	1/4	980.36	1/4	637.10	1/4	293.59	1/4		1/4	
1/2	2,690.60	1/2	2,347.08	1/2	2,003.55	1/2	1,660.02	1/2	1,316.50	1/2	973.22	1/2	629.94	1/2	286.43	1/2		1/2	
3/4	2,683.45	3/4	2,339.92	3/4	1,996.39	3/4	1,652.87	3/4	1,309.34	3/4	966.08	3/4	622.79	3/4	279.28	3/4		3/4	
3	2,676.29	3	2,332.76	3	1,989.24	3	1,645.71	3	1,302.18	3	958.93	3	615.63	3	272.12	3		3	
1/4	2,669.13	1/4	2,325.61	1/4	1,982.08	1/4	1,638.55	1/4	1,295.03	1/4	951.79	1/4	608.48	1/4	264.96	1/4		1/4	
1/2	2,661.98	1/2	2,318.45	1/2	1,974.92	1/2	1,631.40	1/2	1,287.87	1/2	944.65	1/2	601.32	1/2	257.81	1/2		1/2	
3/4	2,654.82	3/4	2,311.29	3/4	1,967.77	3/4	1,624.24	3/4	1,280.71	3/4	937.50	3/4	594.16	3/4	250.65	3/4		3/4	
4	2,647.66	4	2,304.14	4	1,960.61	4	1,617.08	4	1,273.56	4	930.36	4	587.01	4	243.49	4		4	
1/4	2,640.50	1/4	2,296.98	1/4	1,953.45	1/4	1,609.93	1/4	1,266.40	1/4	923.22	1/4	579.85	1/4	236.34	1/4		1/4	
1/2	2,633.35	1/2	2,289.82	1/2	1,946.30	1/2	1,602.77	1/2	1,259.24	1/2	916.08	1/2	572.69	1/2	229.18	1/2		1/2	
3/4	2,626.19	3/4	2,282.66	3/4	1,939.14	3/4	1,595.61	3/4	1,252.09	3/4	908.93	3/4	565.54	3/4	222.02	3/4		3/4	
5	2,619.03	5	2,275.51	5	1,931.98	5	1,588.46	5	1,244.93	5	901.79	5	558.38	5	214.87	5		5	
1/4	2,611.88	1/4	2,268.35	1/4	1,924.82	1/4	1,581.30	1/4	1,237.77	1/4	894.65	1/4	551.22	1/4	207.71	1/4		1/4	
1/2	2,604.72	1/2	2,261.19	1/2	1,917.67	1/2	1,574.14	1/2	1,230.62	1/2	887.51	1/2	544.07	1/2	200.55	1/2		1/2	
3/4	2,597.56	3/4	2,254.04	3/4	1,910.51	3/4	1,566.98	3/4	1,223.46	3/4	880.36	3/4	536.91	3/4	193.40	3/4		3/4	
6	2,590.41	6	2,246.88	6	1,903.35	6	1,559.83	6	1,216.30	6	873.22	6	529.75	6	186.24	6		6	
1/4	2,583.25	1/4	2,239.72	1/4	1,896.20	1/4	1,552.67	1/4	1,209.14	1/4	866.08	1/4	522.60	1/4	179.09	1/4		1/4	
1/2	2,576.09	1/2	2,232.57	1/2	1,889.04	1/2	1,545.51	1/2	1,201.99	1/2	858.93	1/2	515.44	1/2	171.93	1/2		1/2	
3/4	2,568.94	3/4	2,225.41	3/4	1,881.88	3/4	1,538.36	3/4	1,194.83	3/4	851.78	3/4	508.28	3/4	164.77	3/4		3/4	
7	2,561.78	7	2,218.25	7	1,874.73	7	1,531.20	7	1,187.67	7	844.64	7	501.13	7	157.62	7		7	
1/4	2,554.62	1/4	2,211.10	1/4	1,867.57	1/4	1,524.04	1/4	1,180.52	1/4	837.48	1/4	493.97	1/4	150.46	1/4		1/4	
1/2	2,547.47	1/2	2,203.94	1/2	1,860.41	1/2	1,516.89	1/2	1,173.36	1/2	830.32	1/2	486.81	1/2	143.30	1/2		1/2	
3/4	2,540.31	3/4	2,196.78	3/4	1,853.26	3/4	1,509.73	3/4	1,166.20	3/4	823.17	3/4	479.66	3/4	136.15	3/4		3/4	
8	2,533.15	8	2,189.63	8	1,846.10	8	1,502.57	8	1,159.05	8	816.01	8	472.50	8	128.99	8		8	
1/4	2,526.00	1/4	2,182.47	1/4	1,838.94	1/4	1,495.42	1/4	1,151.89	1/4	808.86	1/4	465.35	1/4	121.84	1/4		1/4	
1/2	2,518.84	1/2	2,175.31	1/2	1,831.79	1/2	1,488.26	1/2	1,144.73	1/2	801.70	1/2	458.19	1/2	114.69	1/2		1/2	
3/4	2,511.68	3/4	2,168.16	3/4	1,824.63	3/4	1,481.10	3/4	1,137.58	3/4	794.54	3/4	451.03	3/4	107.54	3/4		3/4	
9	2,504.53	9	2,161.00	9	1,817.47	9	1,473.95	9	1,130.42	9	787.39	9	443.88	9	100.39	9		9	
1/4	2,497.37	1/4	2,153.84	1/4	1,810.32	1/4	1,466.79	1/4	1,123.27	1/4	780.23	1/4	436.72	1/4	93.26	1/4		1/4	
1/2	2,490.21	1/2	2,146.69	1/2	1,803.16	1/2	1,459.63	1/2	1,116.11	1/2	773.07	1/2	429.56	1/2	86.12	1/2		1/2	
3/4	2,483.06	3/4	2,139.53	3/4	1,796.00	3/4	1,452.48	3/4	1,108.96	3/4	765.92	3/4	422.41	3/4	78.99	3/4		3/4	
10	2,475.90	10	2,132.37	10	1,788.85	10	1,445.32	10	1,101.80	10	758.76	10	415.25	10	71.86	10		10	
1/4	2,468.74	1/4	2,125.22	1/4	1,781.69	1/4	1,438.16	1/4	1,094.66	1/4	751.61	1/4	408.09	1/4	65.17	1/4		1/4	
1/2	2,461.58	1/2	2,118.06	1/2	1,774.53	1/2	1,431.01	1/2	1,087.51	1/2	744.45	1/2	400.94	1/2	58.48	1/2		1/2	
3/4	2,454.43	3/4	2,110.90	3/4	1,767.38	3/4	1,423.85	3/4	1,080.36	3/4	737.29	3/4	393.78	3/4	51.79	3/4		3/4	
11	2,447.27	11	2,103.74	11	1,760.22	11	1,416.69	11	1,073.22	11	730.14	11	386.62	11	45.10	11		11	
1/4	2,440.11	1/4	2,096.59	1/4	1,753.06	1/4	1,409.54	1/4	1,066.07	1/4	722.98	1/4	379.47	1/4	39.73	1/4		1/4	
1/2	2,432.96	1/2	2,089.43	1/2	1,745.90	1/2	1,402.38	1/2	1,058.93	1/2	715.82	1/2	372.31	1/2	34.36	1/2		1/2	
3/4	2,425.80	3/4	2,082.27	3/4	1,738.75	3/4	1,395.22	3/4	1,051.79	3/4	708.67	3/4	365.15	3/4	29.00	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

3 PORT

ULLAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 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		0		0		0	4,384.81	0	4,222.43	0	4,014.20	0	3,805.52	0	3,596.37	0	3,387.73	0	3,081.01
1/4		1/4		1/4		1/4	4,383.74	1/4	4,218.09	1/4	4,009.86	1/4	3,801.16	1/4	3,592.02	1/4	3,383.39	1/4	3,073.92
1/2		1/2		1/2		1/2	4,382.67	1/2	4,213.76	1/2	4,005.53	1/2	3,796.80	1/2	3,587.66	1/2	3,379.05	1/2	3,066.83
3/4		3/4		3/4		3/4	4,380.96	3/4	4,209.42	3/4	4,001.19	3/4	3,792.45	3/4	3,583.30	3/4	3,374.72	3/4	3,059.74
1		1		1		1	4,379.26	1	4,205.08	1	3,996.85	1	3,788.09	1	3,578.94	1	3,370.38	1	3,052.65
1/4		1/4		1/4		1/4	4,377.56	1/4	4,200.74	1/4	3,992.51	1/4	3,783.73	1/4	3,574.59	1/4	3,366.05	1/4	3,045.55
1/2		1/2		1/2		1/2	4,375.86	1/2	4,196.40	1/2	3,988.17	1/2	3,779.38	1/2	3,570.23	1/2	3,361.72	1/2	3,038.46
3/4		3/4		3/4		3/4	4,374.16	3/4	4,192.06	3/4	3,983.84	3/4	3,775.02	3/4	3,565.87	3/4	3,357.40	3/4	3,031.36
2		2		2		2	4,372.45	2	4,187.73	2	3,979.50	2	3,770.66	2	3,561.52	2	3,353.07	2	3,024.26
1/4		1/4		1/4		1/4	4,370.75	1/4	4,183.39	1/4	3,975.16	1/4	3,766.30	1/4	3,557.16	1/4	3,348.75	1/4	3,017.16
1/2		1/2		1/2		1/2	4,369.05	1/2	4,179.05	1/2	3,970.82	1/2	3,761.95	1/2	3,552.80	1/2	3,344.43	1/2	3,010.07
3/4		3/4		3/4		3/4	4,367.08	3/4	4,174.71	3/4	3,966.48	3/4	3,757.59	3/4	3,548.44	3/4	3,338.73	3/4	3,002.96
3		3		3		3	4,365.11	3	4,170.37	3	3,962.15	3	3,753.23	3	3,544.09	3	3,333.03	3	2,995.85
1/4		1/4		1/4		1/4	4,363.14	1/4	4,166.04	1/4	3,957.81	1/4	3,748.88	1/4	3,539.73	1/4	3,327.33	1/4	2,988.74
1/2		1/2		1/2		1/2	4,361.17	1/2	4,161.70	1/2	3,953.47	1/2	3,744.52	1/2	3,535.37	1/2	3,321.63	1/2	2,981.64
3/4		3/4		3/4		3/4	4,358.34	3/4	4,157.36	3/4	3,949.13	3/4	3,740.16	3/4	3,531.02	3/4	3,314.55	3/4	2,974.53
4		4		4		4	4,355.51	4	4,153.02	4	3,944.79	4	3,735.80	4	3,526.67	4	3,307.48	4	2,967.42
1/4		1/4		1/4		1/4	4,352.68	1/4	4,148.68	1/4	3,940.45	1/4	3,731.45	1/4	3,522.32	1/4	3,300.40	1/4	2,960.31
1/2		1/2		1/2		1/2	4,349.85	1/2	4,144.35	1/2	3,936.12	1/2	3,727.09	1/2	3,517.97	1/2	3,293.32	1/2	2,953.21
3/4		3/4		3/4		3/4	4,346.02	3/4	4,140.01	3/4	3,931.78	3/4	3,722.73	3/4	3,513.63	3/4	3,286.25	3/4	2,946.10
5		5		5		5	4,342.19	5	4,135.67	5	3,927.44	5	3,718.37	5	3,509.29	5	3,279.17	5	2,938.99
1/4		1/4		1/4		1/4	4,338.36	1/4	4,131.33	1/4	3,923.10	1/4	3,714.02	1/4	3,504.95	1/4	3,272.10	1/4	2,931.88
1/2		1/2		1/2		1/2	4,334.52	1/2	4,126.99	1/2	3,918.76	1/2	3,709.66	1/2	3,500.61	1/2	3,265.02	1/2	2,924.78
3/4		3/4		3/4		3/4	4,330.25	3/4	4,122.66	3/4	3,914.42	3/4	3,705.30	3/4	3,496.27	3/4	3,257.95	3/4	2,917.67
6		6		6		6	4,325.99	6	4,118.32	6	3,910.07	6	3,700.95	6	3,491.93	6	3,250.87	6	2,910.57
1/4		1/4		1/4		1/4	4,321.72	1/4	4,113.98	1/4	3,905.72	1/4	3,696.59	1/4	3,487.58	1/4	3,243.79	1/4	2,903.47
1/2		1/2		1/2		1/2	4,317.45	1/2	4,109.64	1/2	3,901.38	1/2	3,692.23	1/2	3,483.24	1/2	3,236.72	1/2	2,896.37
3/4		3/4		3/4		3/4	4,313.14	3/4	4,105.30	3/4	3,897.02	3/4	3,687.87	3/4	3,478.90	3/4	3,229.64	3/4	2,889.27
7		7		7		7	4,308.84	7	4,100.96	7	3,892.66	7	3,683.52	7	3,474.56	7	3,222.57	7	2,882.18
1/4		1/4		1/4		1/4	4,304.54	1/4	4,096.63	1/4	3,888.31	1/4	3,679.16	1/4	3,470.22	1/4	3,215.50	1/4	2,875.08
1/2		1/2		1/2		1/2	4,300.24	1/2	4,092.29	1/2	3,883.95	1/2	3,674.80	1/2	3,465.88	1/2	3,208.42	1/2	2,867.99
3/4		3/4		3/4		3/4	4,295.93	3/4	4,087.95	3/4	3,879.59	3/4	3,670.45	3/4	3,461.54	3/4	3,201.35	3/4	2,860.89
8		8		8		8	4,291.62	8	4,083.61	8	3,875.23	8	3,666.09	8	3,457.19	8	3,194.27	8	2,853.79
1/4		1/4		1/4		1/4	4,287.31	1/4	4,079.27	1/4	3,870.88	1/4	3,661.73	1/4	3,452.85	1/4	3,187.20	1/4	2,846.70
1/2		1/2		1/2		1/2	4,283.00	1/2	4,074.94	1/2	3,866.52	1/2	3,657.37	1/2	3,448.51	1/2	3,180.12	1/2	2,839.60
3/4		3/4		3/4		3/4	4,278.69	3/4	4,070.60	3/4	3,862.16	3/4	3,653.02	3/4	3,444.17	3/4	3,173.05	3/4	2,832.51
9		9		9		9	4,274.38	9	4,066.26	9	3,857.81	9	3,648.66	9	3,439.83	9	3,165.98	9	2,825.41
1/4		1/4		1/4		1/4	4,270.07	1/4	4,061.92	1/4	3,853.45	1/4	3,644.30	1/4	3,435.49	1/4	3,158.90	1/4	2,818.31
1/2		1/2		1/2		1/2	4,265.76	1/2	4,057.58	1/2	3,849.09	1/2	3,639.95	1/2	3,431.15	1/2	3,151.83	1/2	2,811.22
3/4		3/4		3/4		3/4	4,261.44	3/4	4,053.25	3/4	3,844.73	3/4	3,635.59	3/4	3,426.80	3/4	3,144.75	3/4	2,804.12
10		10		10		10	4,257.11	10	4,048.91	10	3,840.38	10	3,631.23	10	3,422.46	10	3,137.68	10	2,797.03
1/4		1/4		1/4		1/4	4,252.79	1/4	4,044.57	1/4	3,836.02	1/4	3,626.87	1/4	3,418.12	1/4	3,130.60	1/4	2,789.93
1/2		1/2		1/2		1/2	4,248.46	1/2	4,040.23	1/2	3,831.66	1/2	3,622.52	1/2	3,413.78	1/2	3,123.53	1/2	2,782.84
3/4		3/4		3/4		3/4	4,244.12	3/4	4,035.89	3/4	3,827.30	3/4	3,618.16	3/4	3,409.44	3/4	3,116.45	3/4	2,775.74
11		11		11		11	4,239.78	11	4,031.56	11	3,822.95	11	3,613.80	11	3,405.10	11	3,109.36	11	2,768.64
1/4		1/4		1/4		1/4	4,235.45	1/4	4,027.22	1/4	3,818.59	1/4	3,609.44	1/4	3,400.76	1/4	3,102.28	1/4	2,761.55
1/2		1/2		1/2	4,386.96	1/2	4,231.11	1/2	4,022.88	1/2	3,814.23	1/2	3,605.09	1/2	3,396.41	1/2	3,095.20	1/2	2,754.45
3/4		3/4		3/4	4,385.89	3/4	4,226.77	3/4	4,018.54	3/4	3,809.88	3/4	3,600.73	3/4	3,392.07	3/4	3,088.11	3/4	2,747.36

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 ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 82'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

3 PORT

ULLAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 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	2,740.26	0	2,399.66	0	2,059.02	0	1,718.38	0	1,377.74	0	1,040.45	0	710.56	0	369.85	0	34.13	0	
1/4	2,733.17	1/4	2,392.56	1/4	2,051.92	1/4	1,711.28	1/4	1,370.64	1/4	1,033.67	1/4	703.46	1/4	362.74	1/4	28.80	1/4	
1/2	2,726.07	1/2	2,385.47	1/2	2,044.83	1/2	1,704.18	1/2	1,363.54	1/2	1,026.88	1/2	696.37	1/2	355.64	1/2	23.47	1/2	
3/4	2,718.97	3/4	2,378.37	3/4	2,037.73	3/4	1,697.09	3/4	1,356.45	3/4	1,020.09	3/4	689.27	3/4	348.53	3/4	19.91	3/4	
1	2,711.88	1	2,371.27	1	2,030.63	1	1,689.99	1	1,349.35	1	1,013.30	1	682.17	1	341.42	1	16.36	1	
1/4	2,704.78	1/4	2,364.18	1/4	2,023.54	1/4	1,682.89	1/4	1,342.25	1/4	1,006.51	1/4	675.07	1/4	334.31	1/4	12.80	1/4	
1/2	2,697.69	1/2	2,357.08	1/2	2,016.44	1/2	1,675.80	1/2	1,335.16	1/2	999.72	1/2	667.97	1/2	327.20	1/2	9.25	1/2	
3/4	2,690.59	3/4	2,349.98	3/4	2,009.34	3/4	1,668.70	3/4	1,328.06	3/4	992.94	3/4	660.88	3/4	320.09	3/4	7.47	3/4	
2	2,683.49	2	2,342.89	2	2,002.25	2	1,661.60	2	1,320.96	2	986.15	2	653.78	2	312.98	2	5.69	2	
1/4	2,676.40	1/4	2,335.79	1/4	1,995.15	1/4	1,654.51	1/4	1,313.87	1/4	979.36	1/4	646.68	1/4	305.87	1/4	3.92	1/4	
1/2	2,669.30	1/2	2,328.69	1/2	1,988.05	1/2	1,647.41	1/2	1,306.77	1/2	972.57	1/2	639.58	1/2	298.76	1/2	2.14	1/2	
3/4	2,662.21	3/4	2,321.60	3/4	1,980.96	3/4	1,640.31	3/4	1,299.67	3/4	965.78	3/4	632.48	3/4	291.65	3/4		3/4	
3	2,655.11	3	2,314.50	3	1,973.86	3	1,633.22	3	1,292.58	3	959.00	3	625.39	3	284.55	3		3	
1/4	2,648.02	1/4	2,307.40	1/4	1,966.76	1/4	1,626.12	1/4	1,285.48	1/4	952.21	1/4	618.29	1/4	277.44	1/4		1/4	
1/2	2,640.92	1/2	2,300.31	1/2	1,959.67	1/2	1,619.02	1/2	1,278.38	1/2	945.42	1/2	611.19	1/2	270.33	1/2		1/2	
3/4	2,633.82	3/4	2,293.21	3/4	1,952.57	3/4	1,611.93	3/4	1,271.29	3/4	938.63	3/4	604.09	3/4	263.22	3/4		3/4	
4	2,626.73	4	2,286.11	4	1,945.47	4	1,604.83	4	1,264.19	4	931.84	4	596.99	4	256.11	4		4	
1/4	2,619.63	1/4	2,279.02	1/4	1,938.38	1/4	1,597.73	1/4	1,257.09	1/4	925.06	1/4	589.90	1/4	249.00	1/4		1/4	
1/2	2,612.54	1/2	2,271.92	1/2	1,931.28	1/2	1,590.64	1/2	1,250.00	1/2	918.27	1/2	582.80	1/2	241.89	1/2		1/2	
3/4	2,605.44	3/4	2,264.82	3/4	1,924.18	3/4	1,583.54	3/4	1,242.90	3/4	911.48	3/4	575.70	3/4	234.78	3/4		3/4	
5	2,598.34	5	2,257.73	5	1,917.09	5	1,576.44	5	1,235.80	5	904.69	5	568.60	5	227.67	5		5	
1/4	2,591.25	1/4	2,250.63	1/4	1,909.99	1/4	1,569.35	1/4	1,228.71	1/4	897.90	1/4	561.50	1/4	220.56	1/4		1/4	
1/2	2,584.15	1/2	2,243.53	1/2	1,902.89	1/2	1,562.25	1/2	1,221.61	1/2	891.12	1/2	554.41	1/2	213.45	1/2		1/2	
3/4	2,577.06	3/4	2,236.44	3/4	1,895.79	3/4	1,555.15	3/4	1,214.51	3/4	884.33	3/4	547.31	3/4	206.34	3/4		3/4	
6	2,569.96	6	2,229.34	6	1,888.70	6	1,548.06	6	1,207.42	6	877.54	6	540.21	6	199.23	6		6	
1/4	2,562.87	1/4	2,222.24	1/4	1,881.60	1/4	1,540.96	1/4	1,200.32	1/4	870.75	1/4	533.11	1/4	192.12	1/4		1/4	
1/2	2,555.77	1/2	2,215.15	1/2	1,874.50	1/2	1,533.86	1/2	1,193.22	1/2	863.96	1/2	526.01	1/2	185.01	1/2		1/2	
3/4	2,548.67	3/4	2,208.05	3/4	1,867.41	3/4	1,526.77	3/4	1,186.12	3/4	857.17	3/4	518.92	3/4	177.90	3/4		3/4	
7	2,541.58	7	2,200.95	7	1,860.31	7	1,519.67	7	1,179.03	7	850.38	7	511.82	7	170.79	7		7	
1/4	2,534.48	1/4	2,193.86	1/4	1,853.21	1/4	1,512.57	1/4	1,171.93	1/4	843.59	1/4	504.72	1/4	163.68	1/4		1/4	
1/2	2,527.39	1/2	2,186.76	1/2	1,846.12	1/2	1,505.48	1/2	1,164.83	1/2	836.80	1/2	497.62	1/2	156.57	1/2		1/2	
3/4	2,520.29	3/4	2,179.66	3/4	1,839.02	3/4	1,498.38	3/4	1,157.74	3/4	829.96	3/4	490.52	3/4	149.46	3/4		3/4	
8	2,513.20	8	2,172.57	8	1,831.92	8	1,491.28	8	1,150.64	8	823.13	8	483.43	8	142.35	8		8	
1/4	2,506.10	1/4	2,165.47	1/4	1,824.83	1/4	1,484.19	1/4	1,143.54	1/4	816.30	1/4	476.33	1/4	135.25	1/4		1/4	
1/2	2,499.00	1/2	2,158.37	1/2	1,817.73	1/2	1,477.09	1/2	1,136.45	1/2	809.47	1/2	469.23	1/2	128.14	1/2		1/2	
3/4	2,491.91	3/4	2,151.28	3/4	1,810.63	3/4	1,469.99	3/4	1,129.47	3/4	802.49	3/4	462.13	3/4	121.03	3/4		3/4	
9	2,484.82	9	2,144.18	9	1,803.54	9	1,462.90	9	1,122.49	9	795.51	9	455.03	9	113.93	9		9	
1/4	2,477.72	1/4	2,137.08	1/4	1,796.44	1/4	1,455.80	1/4	1,115.50	1/4	788.52	1/4	447.94	1/4	106.83	1/4		1/4	
1/2	2,470.63	1/2	2,129.99	1/2	1,789.34	1/2	1,448.70	1/2	1,108.52	1/2	781.54	1/2	440.84	1/2	99.72	1/2		1/2	
3/4	2,463.53	3/4	2,122.89	3/4	1,782.25	3/4	1,441.61	3/4	1,101.69	3/4	774.44	3/4	433.74	3/4	92.64	3/4		3/4	
10	2,456.43	10	2,115.79	10	1,775.15	10	1,434.51	10	1,094.86	10	767.35	10	426.64	10	85.55	10		10	
1/4	2,449.34	1/4	2,108.70	1/4	1,768.05	1/4	1,427.41	1/4	1,088.03	1/4	760.25	1/4	419.54	1/4	78.46	1/4		1/4	
1/2	2,442.24	1/2	2,101.60	1/2	1,760.96	1/2	1,420.32	1/2	1,081.20	1/2	753.15	1/2	412.45	1/2	71.38	1/2		1/2	
3/4	2,435.14	3/4	2,094.50	3/4	1,753.86	3/4	1,413.22	3/4	1,074.41	3/4	746.05	3/4	405.35	3/4	64.73	3/4		3/4	
11	2,428.05	11	2,087.41	11	1,746.76	11	1,406.12	11	1,067.61	11	738.95	11	398.25	11	58.08	11		11	
1/4	2,420.95	1/4	2,080.31	1/4	1,739.67	1/4	1,399.03	1/4	1,060.82	1/4	731.86	1/4	391.15	1/4	51.44	1/4		1/4	
1/2	2,413.85	1/2	2,073.21	1/2	1,732.57	1/2	1,391.93	1/2	1,054.03	1/2	724.76	1/2	384.05	1/2	44.79	1/2		1/2	
3/4	2,406.76	3/4	2,066.12	3/4	1,725.47	3/4	1,384.83	3/4	1,047.24	3/4	717.66	3/4	376.95	3/4	39.46	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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

BARGE "MPX 401"

3 STBD

ULLAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 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		0		0		0	4,417.00	0	4,253.98	0	4,044.96	0	3,835.47	0	3,625.53	0	3,415.59	0	3,107.85
1/4		1/4		1/4		1/4	4,415.92	1/4	4,249.63	1/4	4,040.60	1/4	3,831.10	1/4	3,621.16	1/4	3,411.22	1/4	3,100.74
1/2		1/2		1/2		1/2	4,414.84	1/2	4,245.28	1/2	4,036.25	1/2	3,826.73	1/2	3,616.78	1/2	3,406.84	1/2	3,093.63
3/4		3/4		3/4		3/4	4,413.13	3/4	4,240.92	3/4	4,031.89	3/4	3,822.35	3/4	3,612.41	3/4	3,402.49	3/4	3,086.51
1		1		1		1	4,411.42	1	4,236.57	1	4,027.54	1	3,817.98	1	3,608.04	1	3,398.13	1	3,079.40
1/4		1/4		1/4		1/4	4,409.72	1/4	4,232.21	1/4	4,023.19	1/4	3,813.61	1/4	3,603.66	1/4	3,393.77	1/4	3,072.29
1/2		1/2		1/2		1/2	4,408.01	1/2	4,227.86	1/2	4,018.83	1/2	3,809.23	1/2	3,599.29	1/2	3,389.42	1/2	3,065.17
3/4		3/4		3/4		3/4	4,406.30	3/4	4,223.50	3/4	4,014.48	3/4	3,804.86	3/4	3,594.92	3/4	3,385.08	3/4	3,058.06
2		2		2		2	4,404.59	2	4,219.15	2	4,010.12	2	3,800.48	2	3,590.54	2	3,380.74	2	3,050.95
1/4		1/4		1/4		1/4	4,402.88	1/4	4,214.79	1/4	4,005.77	1/4	3,796.11	1/4	3,586.17	1/4	3,376.40	1/4	3,043.83
1/2		1/2		1/2		1/2	4,401.17	1/2	4,210.44	1/2	4,001.41	1/2	3,791.74	1/2	3,581.79	1/2	3,372.06	1/2	3,036.72
3/4		3/4		3/4		3/4	4,399.19	3/4	4,206.08	3/4	3,997.06	3/4	3,787.36	3/4	3,577.42	3/4	3,366.35	3/4	3,029.60
3		3		3		3	4,397.22	3	4,201.73	3	3,992.70	3	3,782.99	3	3,573.05	3	3,360.63	3	3,022.49
1/4		1/4		1/4		1/4	4,395.24	1/4	4,197.37	1/4	3,988.35	1/4	3,778.62	1/4	3,568.67	1/4	3,354.91	1/4	3,015.38
1/2		1/2		1/2		1/2	4,393.26	1/2	4,193.02	1/2	3,983.99	1/2	3,774.24	1/2	3,564.30	1/2	3,349.20	1/2	3,008.26
3/4		3/4		3/4		3/4	4,390.42	3/4	4,188.66	3/4	3,979.64	3/4	3,769.87	3/4	3,559.93	3/4	3,342.10	3/4	3,001.15
4		4		4		4	4,387.58	4	4,184.31	4	3,975.28	4	3,765.49	4	3,555.55	4	3,335.00	4	2,994.04
1/4		1/4		1/4		1/4	4,384.74	1/4	4,179.95	1/4	3,970.93	1/4	3,761.12	1/4	3,551.18	1/4	3,327.91	1/4	2,986.92
1/2		1/2		1/2		1/2	4,381.89	1/2	4,175.60	1/2	3,966.57	1/2	3,756.75	1/2	3,546.80	1/2	3,320.81	1/2	2,979.81
3/4		3/4		3/4		3/4	4,378.05	3/4	4,171.25	3/4	3,962.22	3/4	3,752.37	3/4	3,542.43	3/4	3,313.72	3/4	2,972.70
5		5		5		5	4,374.20	5	4,166.89	5	3,957.87	5	3,748.00	5	3,538.06	5	3,306.62	5	2,965.58
1/4		1/4		1/4		1/4	4,370.35	1/4	4,162.54	1/4	3,953.51	1/4	3,743.62	1/4	3,533.68	1/4	3,299.52	1/4	2,958.47
1/2		1/2		1/2		1/2	4,366.51	1/2	4,158.18	1/2	3,949.16	1/2	3,739.25	1/2	3,529.31	1/2	3,292.43	1/2	2,951.36
3/4		3/4		3/4		3/4	4,362.22	3/4	4,153.83	3/4	3,944.79	3/4	3,734.88	3/4	3,524.93	3/4	3,285.33	3/4	2,944.24
6		6		6		6	4,357.93	6	4,149.47	6	3,940.43	6	3,730.50	6	3,520.56	6	3,278.23	6	2,937.13
1/4		1/4		1/4		1/4	4,353.65	1/4	4,145.12	1/4	3,936.06	1/4	3,726.13	1/4	3,516.19	1/4	3,271.14	1/4	2,930.02
1/2		1/2		1/2		1/2	4,349.36	1/2	4,140.76	1/2	3,931.70	1/2	3,721.76	1/2	3,511.81	1/2	3,264.04	1/2	2,922.90
3/4		3/4		3/4		3/4	4,345.05	3/4	4,136.41	3/4	3,927.32	3/4	3,717.38	3/4	3,507.44	3/4	3,256.95	3/4	2,915.79
7		7		7		7	4,340.73	7	4,132.05	7	3,922.95	7	3,713.01	7	3,503.07	7	3,249.85	7	2,908.68
1/4		1/4		1/4		1/4	4,336.41	1/4	4,127.70	1/4	3,918.58	1/4	3,708.63	1/4	3,498.69	1/4	3,242.75	1/4	2,901.56
1/2		1/2		1/2		1/2	4,332.09	1/2	4,123.34	1/2	3,914.20	1/2	3,704.26	1/2	3,494.32	1/2	3,235.66	1/2	2,894.45
3/4		3/4		3/4		3/4	4,327.76	3/4	4,118.99	3/4	3,909.83	3/4	3,699.89	3/4	3,489.94	3/4	3,228.56	3/4	2,887.33
8		8		8		8	4,323.44	8	4,114.63	8	3,905.46	8	3,695.51	8	3,485.57	8	3,221.46	8	2,880.22
1/4		1/4		1/4		1/4	4,319.11	1/4	4,110.28	1/4	3,901.08	1/4	3,691.14	1/4	3,481.20	1/4	3,214.37	1/4	2,873.11
1/2		1/2		1/2		1/2	4,314.79	1/2	4,105.92	1/2	3,896.71	1/2	3,686.77	1/2	3,476.82	1/2	3,207.27	1/2	2,865.99
3/4		3/4		3/4		3/4	4,310.46	3/4	4,101.57	3/4	3,892.33	3/4	3,682.39	3/4	3,472.45	3/4	3,200.18	3/4	2,858.88
9		9		9		9	4,306.13	9	4,097.22	9	3,887.96	9	3,678.02	9	3,468.08	9	3,193.08	9	2,851.77
1/4		1/4		1/4		1/4	4,301.81	1/4	4,092.86	1/4	3,883.59	1/4	3,673.64	1/4	3,463.70	1/4	3,185.98	1/4	2,844.65
1/2		1/2		1/2		1/2	4,297.48	1/2	4,088.51	1/2	3,879.21	1/2	3,669.27	1/2	3,459.33	1/2	3,178.89	1/2	2,837.54
3/4		3/4		3/4		3/4	4,293.14	3/4	4,084.15	3/4	3,874.84	3/4	3,664.90	3/4	3,454.95	3/4	3,171.79	3/4	2,830.43
10		10		10		10	4,288.80	10	4,079.80	10	3,870.46	10	3,660.52	10	3,450.58	10	3,164.69	10	2,823.31
1/4		1/4		1/4		1/4	4,284.45	1/4	4,075.44	1/4	3,866.09	1/4	3,656.15	1/4	3,446.21	1/4	3,157.60	1/4	2,816.20
1/2		1/2		1/2		1/2	4,280.11	1/2	4,071.09	1/2	3,861.72	1/2	3,651.77	1/2	3,441.83	1/2	3,150.50	1/2	2,809.09
3/4		3/4		3/4		3/4	4,275.76	3/4	4,066.73	3/4	3,857.34	3/4	3,647.40	3/4	3,437.46	3/4	3,143.40	3/4	2,801.97
11		11		11		11	4,271.40	11	4,062.38	11	3,852.97	11	3,643.03	11	3,433.08	11	3,136.29	11	2,794.86
1/4		1/4		1/4		1/4	4,267.05	1/4	4,058.02	1/4	3,848.60	1/4	3,638.65	1/4	3,428.71	1/4	3,129.19	1/4	2,787.75
1/2		1/2		1/2	4,419.15	1/2	4,262.69	1/2	4,053.67	1/2	3,844.22	1/2	3,634.28	1/2	3,424.34	1/2	3,122.08	1/2	2,780.63
3/4		3/4		3/4	4,418.07	3/4	4,258.34	3/4	4,049.31	3/4	3,839.85	3/4	3,629.91	3/4	3,419.96	3/4	3,114.97	3/4	2,773.52

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 ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 82'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MPX 401"

3 STBD

ULLAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 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	2,766.41	0	2,424.42	0	2,082.10	0	1,739.78	0	1,397.46	0	1,055.22	0	713.31	0	371.00	0	34.23	0	
1/4	2,759.29	1/4	2,417.29	1/4	2,074.97	1/4	1,732.65	1/4	1,390.33	1/4	1,048.10	1/4	706.18	1/4	363.87	1/4	28.89	1/4	
1/2	2,752.18	1/2	2,410.16	1/2	2,067.84	1/2	1,725.52	1/2	1,383.20	1/2	1,040.98	1/2	699.05	1/2	356.74	1/2	23.54	1/2	
3/4	2,745.06	3/4	2,403.03	3/4	2,060.71	3/4	1,718.39	3/4	1,376.06	3/4	1,033.86	3/4	691.92	3/4	349.61	3/4	19.97	3/4	
1	2,737.95	1	2,395.90	1	2,053.58	1	1,711.25	1	1,368.93	1	1,026.74	1	684.79	1	342.48	1	16.41	1	
1/4	2,730.84	1/4	2,388.76	1/4	2,046.44	1/4	1,704.12	1/4	1,361.80	1/4	1,019.63	1/4	677.66	1/4	335.34	1/4	12.84	1/4	
1/2	2,723.72	1/2	2,381.63	1/2	2,039.31	1/2	1,696.99	1/2	1,354.67	1/2	1,012.51	1/2	670.52	1/2	328.21	1/2	9.28	1/2	
3/4	2,716.61	3/4	2,374.50	3/4	2,032.18	3/4	1,689.86	3/4	1,347.54	3/4	1,005.39	3/4	663.39	3/4	321.08	3/4	7.49	3/4	
2	2,709.50	2	2,367.37	2	2,025.05	2	1,682.73	2	1,340.41	2	998.27	2	656.26	2	313.95	2	5.71	2	
1/4	2,702.38	1/4	2,360.24	1/4	2,017.92	1/4	1,675.59	1/4	1,333.27	1/4	991.16	1/4	649.13	1/4	306.82	1/4	3.93	1/4	
1/2	2,695.27	1/2	2,353.11	1/2	2,010.78	1/2	1,668.46	1/2	1,326.14	1/2	984.04	1/2	642.00	1/2	299.69	1/2	2.15	1/2	
3/4	2,688.16	3/4	2,345.97	3/4	2,003.65	3/4	1,661.33	3/4	1,319.01	3/4	976.92	3/4	634.87	3/4	292.55	3/4		3/4	
3	2,681.04	3	2,338.84	3	1,996.52	3	1,654.20	3	1,311.88	3	969.80	3	627.74	3	285.42	3		3	
1/4	2,673.93	1/4	2,331.71	1/4	1,989.39	1/4	1,647.07	1/4	1,304.75	1/4	962.69	1/4	620.60	1/4	278.29	1/4		1/4	
1/2	2,666.82	1/2	2,324.58	1/2	1,982.26	1/2	1,639.94	1/2	1,297.61	1/2	955.57	1/2	613.47	1/2	271.16	1/2		1/2	
3/4	2,659.70	3/4	2,317.45	3/4	1,975.13	3/4	1,632.80	3/4	1,290.48	3/4	948.45	3/4	606.34	3/4	264.03	3/4		3/4	
4	2,652.59	4	2,310.32	4	1,967.99	4	1,625.67	4	1,283.35	4	941.33	4	599.21	4	256.90	4		4	
1/4	2,645.48	1/4	2,303.18	1/4	1,960.86	1/4	1,618.54	1/4	1,276.22	1/4	934.22	1/4	592.08	1/4	249.77	1/4		1/4	
1/2	2,638.36	1/2	2,296.05	1/2	1,953.73	1/2	1,611.41	1/2	1,269.09	1/2	927.10	1/2	584.95	1/2	242.63	1/2		1/2	
3/4	2,631.24	3/4	2,288.92	3/4	1,946.60	3/4	1,604.28	3/4	1,261.96	3/4	919.98	3/4	577.81	3/4	235.50	3/4		3/4	
5	2,624.12	5	2,281.79	5	1,939.47	5	1,597.15	5	1,254.82	5	912.86	5	570.68	5	228.37	5		5	
1/4	2,616.99	1/4	2,274.66	1/4	1,932.34	1/4	1,590.01	1/4	1,247.69	1/4	905.75	1/4	563.55	1/4	221.24	1/4		1/4	
1/2	2,609.87	1/2	2,267.53	1/2	1,925.20	1/2	1,582.88	1/2	1,240.56	1/2	898.63	1/2	556.42	1/2	214.11	1/2		1/2	
3/4	2,602.74	3/4	2,260.39	3/4	1,918.07	3/4	1,575.75	3/4	1,233.43	3/4	891.51	3/4	549.29	3/4	206.98	3/4		3/4	
6	2,595.61	6	2,253.26	6	1,910.94	6	1,568.62	6	1,226.30	6	884.39	6	542.16	6	199.85	6		6	
1/4	2,588.47	1/4	2,246.13	1/4	1,903.81	1/4	1,561.49	1/4	1,219.17	1/4	877.28	1/4	535.03	1/4	192.71	1/4		1/4	
1/2	2,581.34	1/2	2,239.00	1/2	1,896.68	1/2	1,554.36	1/2	1,212.03	1/2	870.16	1/2	527.89	1/2	185.58	1/2		1/2	
3/4	2,574.21	3/4	2,231.87	3/4	1,889.55	3/4	1,547.22	3/4	1,204.90	3/4	863.04	3/4	520.76	3/4	178.45	3/4		3/4	
7	2,567.07	7	2,224.74	7	1,882.41	7	1,540.09	7	1,197.77	7	855.91	7	513.63	7	171.32	7		7	
1/4	2,559.94	1/4	2,217.60	1/4	1,875.28	1/4	1,532.96	1/4	1,190.64	1/4	848.79	1/4	506.50	1/4	164.19	1/4		1/4	
1/2	2,552.81	1/2	2,210.47	1/2	1,868.15	1/2	1,525.83	1/2	1,183.51	1/2	841.67	1/2	499.37	1/2	157.06	1/2		1/2	
3/4	2,545.68	3/4	2,203.34	3/4	1,861.02	3/4	1,518.70	3/4	1,176.38	3/4	834.54	3/4	492.24	3/4	149.93	3/4		3/4	
8	2,538.54	8	2,196.21	8	1,853.89	8	1,511.57	8	1,169.24	8	827.41	8	485.11	8	142.79	8		8	
1/4	2,531.41	1/4	2,189.08	1/4	1,846.76	1/4	1,504.43	1/4	1,162.11	1/4	820.28	1/4	477.97	1/4	135.66	1/4		1/4	
1/2	2,524.28	1/2	2,181.95	1/2	1,839.62	1/2	1,497.30	1/2	1,154.98	1/2	813.15	1/2	470.84	1/2	128.53	1/2		1/2	
3/4	2,517.14	3/4	2,174.81	3/4	1,832.49	3/4	1,490.17	3/4	1,147.85	3/4	806.02	3/4	463.71	3/4	121.41	3/4		3/4	
9	2,510.01	9	2,167.68	9	1,825.36	9	1,483.04	9	1,140.72	9	798.89	9	456.58	9	114.28	9		9	
1/4	2,502.88	1/4	2,160.55	1/4	1,818.23	1/4	1,475.91	1/4	1,133.59	1/4	791.76	1/4	449.45	1/4	107.16	1/4		1/4	
1/2	2,495.74	1/2	2,153.42	1/2	1,811.10	1/2	1,468.78	1/2	1,126.45	1/2	784.63	1/2	442.32	1/2	100.03	1/2		1/2	
3/4	2,488.61	3/4	2,146.29	3/4	1,803.97	3/4	1,461.64	3/4	1,119.33	3/4	777.50	3/4	435.18	3/4	92.92	3/4		3/4	
10	2,481.48	10	2,139.16	10	1,796.83	10	1,454.51	10	1,112.20	10	770.37	10	428.05	10	85.81	10		10	
1/4	2,474.35	1/4	2,132.02	1/4	1,789.70	1/4	1,447.38	1/4	1,105.07	1/4	763.23	1/4	420.92	1/4	78.71	1/4		1/4	
1/2	2,467.21	1/2	2,124.89	1/2	1,782.57	1/2	1,440.25	1/2	1,097.94	1/2	756.10	1/2	413.79	1/2	71.60	1/2		1/2	
3/4	2,460.08	3/4	2,117.76	3/4	1,775.44	3/4	1,433.12	3/4	1,090.82	3/4	748.97	3/4	406.66	3/4	64.93	3/4		3/4	
11	2,452.95	11	2,110.63	11	1,768.31	11	1,425.99	11	1,083.69	11	741.84	11	399.53	11	58.26	11		11	
1/4	2,445.82	1/4	2,103.50	1/4	1,761.18	1/4	1,418.85	1/4	1,076.57	1/4	734.71	1/4	392.40	1/4	51.60	1/4		1/4	
1/2	2,438.69	1/2	2,096.37	1/2	1,754.04	1/2	1,411.72	1/2	1,069.45	1/2	727.58	1/2	385.26	1/2	44.93	1/2		1/2	
3/4	2,431.56	3/4	2,089.23	3/4	1,746.91	3/4	1,404.59	3/4	1,062.33	3/4	720.44	3/4	378.13	3/4	39.58	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2020 JS
CALCULATED: 04/21/2020 CL
PRINTED: 04/22/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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