

18/1935

TANK: 1

TOTAL GAUGE HEIGHT: .16' 04 1/8"

CAPACITIES IN U.S. GALLONS

IN	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT
0	36	10429	22043	33654	45227	56806	68399	80014
1/4	67	10671	22285	33895	45468	57047	68641	80256
1/2	117	10913	22526	34136	45709	57289	68883	80498
3/4	187	11155	22768	34377	45951	57530	69125	80740
1	278	11397	23010	34618	46192	57771	69367	80982
1/4	389	11639	23252	34859	46433	58013	69609	81224
1/2	520	11881	23494	35100	46674	58254	69851	81466
3/4	671	12123	23736	35341	46915	58495	70093	81708
2	843	12365	23978	35582	47157	58736	70335	81950
1/4	1034	12607	24220	35823	47398	58978	70577	82192
1/2	1246	12849	24462	36064	47639	59219	70819	82434
3/4	1478	13091	24704	36306	47880	59460	71061	82676
3	1720	13333	24946	36547	48121	59701	71303	82917
1/4	1962	13575	25188	36788	48363	59943	71545	83159
1/2	2204	13817	25430	37029	48604	60184	71787	83401
3/4	2445	14059	25672	37270	48845	60425	72029	83643
4	2687	14301	25914	37511	49086	60666	72271	83885
1/4	2929	14542	26156	37752	49327	60908	72513	84127
1/2	3171	14784	26398	37993	49569	61149	72755	84369
3/4	3413	15026	26639	38234	49810	61390	72997	84611
5	3655	15268	26881	38475	50051	61631	73239	84853
1/4	3897	15510	27123	38717	50292	61873	73481	85095
1/2	4139	15752	27365	38958	50533	62114	73723	85337
3/4	4381	15994	27607	39199	50775	62355	73965	85579
6	4623	16236	27849	39440	51016	62597	74207	85821
1/4	4865	16478	28091	39681	51257	62838	74449	86063
1/2	5107	16720	28333	39922	51498	63079	74691	86305
3/4	5349	16962	28575	40163	51740	63320	74933	86547
7	5591	17204	28817	40404	51981	63562	75175	86789
1/4	5833	17446	29059	40645	52222	63803	75417	87031
1/2	6075	17688	29301	40886	52463	64044	75658	87273
3/4	6316	17930	29543	41127	52705	64286	75900	87515
8	6558	18172	29785	41369	52946	64528	76142	87757
1/4	6800	18414	30027	41610	53187	64770	76384	87999
1/2	7042	18655	30269	41851	53428	65012	76626	88241
3/4	7284	18897	30511	42092	53670	65254	76868	88483
9	7526	19139	30752	42333	53911	65496	77110	88725
1/4	7768	19381	30994	42574	54152	65738	77352	88967
1/2	8010	19623	31236	42815	54394	65980	77594	89209
3/4	8252	19865	31478	43056	54635	66222	77836	89451
10	8494	20107	31720	43298	54876	66464	78078	89693
1/4	8736	20349	31962	43539	55117	66706	78320	89935
1/2	8978	20591	32204	43780	55359	66948	78562	90176
3/4	9220	20833	32446	44021	55600	67190	78804	90418
11	9462	21075	32688	44262	55841	67432	79046	90660
1/4	9704	21317	32930	44503	56082	67674	79288	90902
1/2	9946	21559	33172	44745	56324	67916	79530	91144
3/4	10188	21801	33413	44986	56565	68158	79772	91386

** VOLUME OF SUMP

GAUGE FROM MMC/UTI VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

Calibrated: JD/JH

Calculation: WHF

Dated: October 22, 1998

IB!935

TANK: 2
TOTAL GAUGE HEIGHT: 16 05 1/4"

IN	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT
0	36	10410	22001	33591	45146	56703	68275	79867
1/4	66	10651	22243	33832	45387	56944	68516	80109
1/2	117	10893	22484	34072	45628	57185	68758	80350
3/4	187	11134	22726	34313	45868	57426	68999	80592
1	278	11376	22967	34554	46109	57667	69241	80834
1/4	388	11617	23209	34794	46350	57907	69482	81075
1/2	519	11859	23450	35035	46591	58148	69724	81317
3/4	670	12100	23692	35276	46831	58389	69965	81558
2	841	12342	23933	35517	47072	58630	70207	81800
1/4	1032	12583	24175	35757	47313	58871	70448	82041
1/2	1244	12825	24416	35998	47553	59111	70690	82283
3/4	1475	13066	24658	36239	47794	59352	70932	82524
3	1716	13308	24899	36479	48035	59593	71173	82766
1/4	1958	13549	25141	36720	48276	59834	71415	83007
1/2	2199	13791	25382	36961	48516	60075	71656	83249
3/4	2441	14032	25624	37202	48757	60316	71898	83490
4	2682	14274	25865	37442	48998	60556	72139	83732
1/4	2924	14515	26107	37683	49239	60797	72381	83973
1/2	3165	14757	26348	37924	49479	61038	72622	84215
3/4	3407	14998	26590	38165	49720	61279	72864	84456
5	3648	15240	26831	38405	49961	61520	73105	84698
1/4	3890	15481	27072	38646	50202	61760	73347	84939
1/2	4131	15723	27314	38887	50442	62001	73588	85181
3/4	4373	15964	27555	39128	50683	62242	73830	85422
6	4614	16206	27797	39368	50924	62483	74071	85664
1/4	4856	16447	28038	39609	51165	62724	74313	85905
1/2	5097	16689	28280	39850	51406	62964	74554	86147
3/4	5339	16930	28521	40091	51646	63205	74796	86388
7	5580	17172	28763	40331	51887	63446	75037	86630
1/4	5822	17413	29004	40572	52128	63687	75279	86871
1/2	6063	17655	29246	40813	52369	63928	75520	87113
3/4	6305	17896	29487	41054	52610	64169	75762	87354
8	6546	18137	29729	41294	52850	64411	76003	87596
1/4	6788	18379	29970	41535	53091	64652	76245	87837
1/2	7029	18620	30212	41776	53332	64894	76486	88079
3/4	7271	18862	30453	42016	53573	65135	76728	88320
9	7512	19103	30695	42257	53814	65377	76969	88562
1/4	7754	19345	30936	42498	54054	65618	77211	88803
1/2	7995	19586	31178	42739	54295	65860	77452	89045
3/4	8237	19828	31419	42979	54536	66101	77694	89286
10	8478	20069	31661	43220	54777	66343	77935	89528
1/4	8720	20311	31902	43461	55018	66584	78177	89769
1/2	8961	20552	32144	43702	55259	66826	78418	90011
3/4	9203	20794	32385	43942	55499	67067	78660	90252
11	9444	21035	32627	44183	55740	67309	78901	90494
1/4	9685	21277	32868	44424	55981	67550	79143	90736
1/2	9927	21518	33110	44665	56222	67792	79384	90977
3/4	10168	21760	33350	44905	56463	68033	79626	91219

**

VOLUME OF SUMP

GAUGE FROM MMC/UTI VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

Calculated: JDI/JH

WHF

Calculation:

Dated: October 22, 1998

IN	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT	15 FT
0	91460	103053	114646	126239	137831	149423	161015	
1/4	91702	103294	114887	126480	138073	149665	161256	
1/2	91943	103536	115129	126722	138314	149906	161498	
3/4	92185	103777	115370	126963	138556	150147	161739	
1	92426	104019	115612	127205	138797	150389	161981	
1/4	92668	104260	115853	127446	139039	150630	162222	
1/2	92909	104502	116095	127688	139280	150872	162464	
3/4	93151	104743	116336	127929	139522	151113	162705	
2	93392	104985	116578	128171	139763	151355	162947	
1/4	93634	105226	116819	128412	140005	151596	163188	
1/2	93875	105468	117061	128654	140246	151838	163430	
3/4	94117	105709	117302	128895	140488	152079	163671	
3	94358	105951	117544	129137	140729	152321	163908	
1/4	94600	106193	117786	129378	140971	152562	164134	
1/2	94841	106434	118027	129620	141212	152804	164350	
3/4	95083	106676	118269	129862	141454	153045	164557	
4	95324	106917	118510	130103	141695	153287	164753	
1/4	95566	107159	118752	130345	141937	153528	164939	
1/2	95807	107400	118993	130586	142178	153770	165115	
3/4	96049	107642	119235	130828	142420	154011	165281	
5	96290	107883	119476	131069	142661	154253	165437	
1/4	96532	108125	119718	131311	142903	154494	165583	
1/2	96773	108366	119959	131552	143144	154736	165719	
3/4	97015	108608	120201	131794	143386	154977	165845	
6	97256	108849	120442	132035	143627	155219	165960	
1/4	97498	109091	120684	132277	143869	155460	166066	
1/2	97739	109332	120925	132518	144110	155702	166161	
3/4	97981	109574	121167	132760	144352	155943	166247	
7	98222	109815	121408	133001	144593	156185	166322	
1/4	98464	110057	121650	133243	144835	156426	166388	
1/2	98705	110298	121891	133484	145076	156668	166443	
3/4	98947	110540	122133	133726	145318	156909	166488	
8	99188	110781	122374	133967	145559	157151	166524	
1/4	99430	111023	122616	134209	145801	157392	166549	
1/2	99671	111264	122857	134450	146042	157634	166564	
3/4	99913	111506	123099	134692	146284	157875	166569	
9	100154	111747	123340	134933	146525	158117		
1/4	100396	111989	123582	135175	146767	158358		
1/2	100638	112231	123824	135416	147008	158600		
3/4	100879	112472	124065	135658	147250	158841		
10	101121	112714	124307	135899	147491	159083		
1/4	101362	112955	124548	136141	147733	159324		
1/2	101604	113197	124790	136382	147974	159566		
3/4	101845	113438	125031	136624	148216	159807		
11	102087	113680	125273	136865	148457	160049		
1/4	102328	113921	125514	137107	148699	160290		
1/2	102570	114163	125756	137348	148940	160532		
3/4	102811	114404	125997	137590	149182	160773		

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE MMC/UTI VALVE TO TOP OF THE TANK AT CENTERLINE

Calibrated: JD/H
Calculation: WHF
Dated: October 22, 1998

IB1935

TANK: 3

TOTAL GAUGE HEIGHT: 16' 05 1/8"

CAPACITIES IN U.S. GALLONS

HULL # 98-2296

IN	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT
0	35	9345	19747	30146	40536	50933	61334	71735
1/4	62	9561	19963	30363	40753	51150	61551	71951
1/2	107	9778	20180	30579	40969	51366	61767	72168
3/4	171	9995	20397	30795	41186	51583	61984	72385
1	252	10211	20613	31012	41402	51800	62201	72602
1/4	351	10428	20830	31228	41619	52017	62417	72818
1/2	469	10645	21047	31445	41835	52233	62634	73035
3/4	604	10862	21263	31661	42052	52450	62851	73252
2	758	11078	21480	31877	42268	52667	63067	73468
1/4	929	11295	21697	32094	42485	52883	63284	73685
1/2	1119	11512	21913	32310	42701	53100	63501	73902
3/4	1326	11728	22130	32527	42918	53317	63717	74118
3	1543	11945	22347	32743	43134	53533	63934	74335
1/4	1760	12162	22563	32960	43351	53750	64151	74552
1/2	1976	12379	22780	33176	43567	53967	64368	74768
3/4	2193	12595	22997	33393	43784	54183	64584	74985
4	2410	12812	23213	33609	44000	54400	64801	75202
1/4	2627	13029	23430	33826	44217	54617	65018	75418
1/2	2843	13245	23647	34042	44433	54833	65234	75635
3/4	3060	13462	23863	34258	44650	55050	65451	75852
5	3277	13679	24080	34475	44866	55267	65668	76069
1/4	3493	13896	24297	34691	45083	55483	65884	76285
1/2	3710	14112	24513	34908	45299	55700	66101	76502
3/4	3927	14329	24730	35124	45516	55917	66318	76719
6	4144	14546	24947	35341	45733	56133	66534	76935
1/4	4360	14762	25163	35557	45949	56350	66751	77152
1/2	4577	14979	25380	35774	46166	56567	66968	77369
3/4	4794	15196	25597	35990	46383	56784	67184	77585
7	5010	15412	25813	36207	46600	57000	67401	77802
1/4	5227	15629	26030	36423	46816	57217	67618	78019
1/2	5444	15846	26247	36640	47033	57434	67834	78235
3/4	5661	16063	26463	36856	47250	57650	68051	78452
8	5877	16279	26680	37072	47466	57867	68268	78669
1/4	6094	16496	26897	37289	47683	58084	68485	78885
1/2	6311	16713	27113	37505	47900	58300	68701	79102
3/4	6527	16929	27330	37722	48116	58517	68918	79319
9	6744	17146	27547	37938	48333	58734	69135	79535
1/4	6961	17363	27763	38155	48550	58950	69351	79752
1/2	7178	17580	27980	38371	48766	59167	69568	79969
3/4	7394	17796	28197	38588	48983	59384	69785	80186
10	7611	18013	28413	38804	49200	59600	70001	80402
1/4	7828	18230	28630	39021	49416	59817	70218	80619
1/2	8044	18446	28847	39237	49633	60034	70435	80836
3/4	8261	18663	29063	39454	49850	60250	70651	81052
11	8478	18880	29280	39670	50066	60467	70868	81269
1/4	8694	19097	29497	39887	50283	60684	71085	81486
1/2	8911	19313	29713	40103	50500	60901	71301	81702
3/4	9128	19530	29930	40320	50716	61117	71518	81919

Calibrated: JD/H

Calculation: WHF

Dated: October 22, 1998

GAUGE FROM MMC/UTI VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

181935

TANK: 3
TOTAL GAUGE HEIGHT: 16' 05 1/8"

IN	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT	15 FT
0	82136	82352	92753	103155	113556	123957	134140	144540
1/4	82352	82352	92753	103155	113556	123957	134357	144756
1/2	82569	82569	92970	103371	113772	124173	134573	144973
3/4	82786	82786	93187	103588	113989	124390	134790	145190
1	83002	83403	93403	103805	114206	124607	135006	145406
1/4	83219	83620	93620	104021	114423	124823	135223	145623
1/2	83436	83837	93837	104238	114639	125040	135440	145840
3/4	83653	84054	94054	104455	114856	125257	135656	146056
2	83869	84270	94270	104671	115073	125473	135873	146273
1/4	84086	84487	94487	104888	115289	125690	136090	146490
1/2	84303	84704	94704	105105	115506	125907	136306	146706
3/4	84519	84920	94920	105322	115723	126123	136523	146923
3	84736	85137	95137	105538	115939	126340	136740	147154
1/4	84953	85354	95354	105755	116156	126557	136956	147374
1/2	85169	85570	95570	105972	116373	126773	137173	147584
3/4	85386	85787	95787	106188	116589	126990	137390	147783
4	85603	86004	96004	106405	116806	127207	137606	147971
1/4	85819	86220	96220	106622	117023	127423	137823	148148
1/2	86036	86437	96437	106838	117240	127640	138040	148314
3/4	86253	86654	96654	107055	117456	127857	138256	148470
5	86469	86871	96871	107272	117673	128073	138473	148615
1/4	86686	87087	97087	107488	117890	128290	138690	148749
1/2	86903	87304	97304	107705	118106	128507	138906	148873
3/4	87119	87521	97521	107922	118323	128723	139123	148986
6	87336	87737	97737	108138	118540	128940	139340	149088
1/4	87553	87954	97954	108355	118756	129157	139556	149179
1/2	87770	88171	98171	108572	118973	129373	139773	149260
3/4	87986	88387	98387	108789	119190	129590	139990	149329
7	88203	88604	98604	109005	119406	129807	140206	149388
1/4	88420	88821	98821	109222	119623	130023	140423	149437
1/2	88636	89037	99037	109439	119840	130240	140640	149474
3/4	88853	89254	99254	109655	120057	130457	140856	149501
8	89070	89471	99471	109872	120273	130673	141073	149517
1/4	89286	89688	99688	110089	120490	130890	141290	149522
1/2	89503	89904	99904	110305	120707	131107	141506	149522
3/4	89720	90121	100121	110522	120923	131323	141723	149522
9	89936	100338	110338	110739	121140	131540	141940	149522
1/4	90153	100554	110554	110955	121357	131757	142156	149522
1/2	90370	100771	110771	111172	121573	131973	142373	149522
3/4	90586	100988	110988	111389	121790	132190	142590	149522
10	90803	101204	111204	111606	122007	132407	142806	149522
1/4	91020	101421	111421	111822	122223	132623	143023	149522
1/2	91237	101638	111638	112039	122440	132840	143240	149522
3/4	91453	101854	111854	112256	122657	133057	143456	149522
11	91670	102071	112071	112472	122873	133273	143673	149522
1/4	91887	102288	112288	112689	123090	133490	143890	149522
1/2	92103	102505	112505	112906	123307	133707	144106	149522
3/4	92320	102721	112721	113122	123523	133923	144323	149522

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE MMC/UTI VALVE TO TOP OF THE TANK AT CENTERLINE

Calibrated: JD/JH
Calculation: WHF
Dated: October 22, 1998