

"IB -1934"

HULL # 97-2143

TANK: 1

TOTAL GAUGE HEIGHT: 15' 09"

CAPACITIES IN U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	36	0	10415	0	22023	0	33609	0	45213	0	56822	0	68431	0	80039
1/4	67	1/4	10657	1/4	22265	1/4	33850	1/4	45455	1/4	57064	1/4	68672	1/4	80281
1/2	117	1/2	10899	1/2	22507	1/2	34091	1/2	45697	1/2	57306	1/2	68914	1/2	80523
3/4	188	3/4	11141	3/4	22749	3/4	34333	3/4	45939	3/4	57547	3/4	69156	3/4	80765
1	278	1	11383	1	22991	1	34574	1	46180	1	57789	1	69398	1	81007
1/4	389	1/4	11624	1/4	23232	1/4	34815	1/4	46422	1/4	58031	1/4	69640	1/4	81249
1/2	520	1/2	11866	1/2	23474	1/2	35056	1/2	46664	1/2	58273	1/2	69882	1/2	81491
3/4	671	3/4	12108	3/4	23716	3/4	35297	3/4	46906	3/4	58515	3/4	70123	3/4	81732
2	843	2	12350	2	23958	2	35539	2	47148	2	58757	2	70365	2	81974
1/4	1034	1/4	12592	1/4	24200	1/4	35781	1/4	47390	1/4	58998	1/4	70607	1/4	82216
1/2	1246	1/2	12834	1/2	24441	1/2	36023	1/2	47632	1/2	59240	1/2	70849	1/2	82458
3/4	1477	3/4	13076	3/4	24683	3/4	36265	3/4	47873	3/4	59482	3/4	71091	3/4	82700
3	1709	3	13317	3	24925	3	36506	3	48115	3	59724	3	71333	3	82942
1/4	1951	1/4	13559	1/4	25167	1/4	36748	1/4	48357	1/4	59966	1/4	71575	1/4	83184
1/2	2192	1/2	13801	1/2	25409	1/2	36990	1/2	48599	1/2	60208	1/2	71816	1/2	83425
3/4	2434	3/4	14043	3/4	25650	3/4	37232	3/4	48841	3/4	60450	3/4	72058	3/4	83667
4	2676	4	14285	4	25892	4	37474	4	49083	4	60691	4	72300	4	83909
1/4	2918	1/4	14527	1/4	26133	1/4	37716	1/4	49324	1/4	60933	1/4	72542	1/4	84151
1/2	3160	1/2	14768	1/2	26374	1/2	37958	1/2	49566	1/2	61175	1/2	72784	1/2	84393
3/4	3402	3/4	15010	3/4	26616	3/4	38199	3/4	49808	3/4	61417	3/4	73026	3/4	84635
5	3644	5	15252	5	26857	5	38441	5	50050	5	61659	5	73267	5	84877
1/4	3886	1/4	15494	1/4	27098	1/4	38683	1/4	50292	1/4	61901	1/4	73509	1/4	85118
1/2	4127	1/2	15736	1/2	27339	1/2	38925	1/2	50534	1/2	62142	1/2	73751	1/2	85360
3/4	4369	3/4	15978	3/4	27580	3/4	39167	3/4	50776	3/4	62384	3/4	73993	3/4	85602
6	4611	6	16219	6	27821	6	39409	6	51017	6	62626	6	74235	6	85844
1/4	4853	1/4	16461	1/4	28063	1/4	39650	1/4	51259	1/4	62868	1/4	74477	1/4	86086
1/2	5095	1/2	16703	1/2	28304	1/2	39892	1/2	51501	1/2	63110	1/2	74719	1/2	86328
3/4	5337	3/4	16945	3/4	28545	3/4	40134	3/4	51743	3/4	63352	3/4	74960	3/4	86570
7	5579	7	17187	7	28786	7	40376	7	51985	7	63594	7	75202	7	86811
1/4	5820	1/4	17429	1/4	29027	1/4	40618	1/4	52227	1/4	63835	1/4	75444	1/4	87053
1/2	6062	1/2	17670	1/2	29268	1/2	40860	1/2	52469	1/2	64077	1/2	75686	1/2	87295
3/4	6304	3/4	17912	3/4	29509	3/4	41102	3/4	52710	3/4	64319	3/4	75928	3/4	87537
8	6546	8	18154	8	29751	8	41343	8	52952	8	64561	8	76170	8	87779
1/4	6788	1/4	18396	1/4	29992	1/4	41585	1/4	53194	1/4	64803	1/4	76411	1/4	88021
1/2	7030	1/2	18638	1/2	30233	1/2	41827	1/2	53436	1/2	65045	1/2	76653	1/2	88263
3/4	7271	3/4	18880	3/4	30474	3/4	42069	3/4	53678	3/4	65286	3/4	76895	3/4	88504
9	7513	9	19121	9	30715	9	42311	9	53920	9	65528	9	77137	9	88746
1/4	7755	1/4	19363	1/4	30956	1/4	42553	1/4	54161	1/4	65770	1/4	77379	1/4	88988
1/2	7997	1/2	19605	1/2	31198	1/2	42795	1/2	54403	1/2	66012	1/2	77621	1/2	89230
3/4	8239	3/4	19847	3/4	31439	3/4	43036	3/4	54645	3/4	66254	3/4	77863	3/4	89472
10	8481	10	20089	10	31680	10	43278	10	54887	10	66496	10	78105	10	89714
1/4	8722	1/4	20331	1/4	31921	1/4	43520	1/4	55129	1/4	66738	1/4	78346	1/4	89956
1/2	8964	1/2	20572	1/2	32162	1/2	43762	1/2	55371	1/2	66979	1/2	78588	1/2	90197
3/4	9206	3/4	20814	3/4	32403	3/4	44004	3/4	55613	3/4	67221	3/4	78830	3/4	90439
11	9448	11	21056	11	32644	11	44246	11	55854	11	67463	11	79072	11	90681
1/4	9690	1/4	21298	1/4	32886	1/4	44487	1/4	56096	1/4	67705	1/4	79314	1/4	90923
1/2	9932	1/2	21540	1/2	33127	1/2	44729	1/2	56338	1/2	67947	1/2	79556	1/2	91165
3/4	10173	3/4	21782	3/4	33368	3/4	44971	3/4	56580	3/4	68189	3/4	79798	3/4	91407

Calibrated: K/TAH
 Calculation: WHF
 Dated: May 15, 1998

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

** VOLUME OF SUMP
 COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE
"IB -1934"

HULL # 97-2143

TANK: 1

TOTAL GAUGE HEIGHT: 15' 09"

CAPACITIES IN U.S. GALLONS

IN	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT	15 FT
0	0	103258	114865	126044	136888	147732	158577	0
1/4	1/4	103499	115107	126270	137114	147958	158802	1/4
1/2	1/2	103741	115349	126496	137340	148184	159028	1/2
3/4	3/4	103983	115591	126721	137565	148410	159254	3/4
1	1	104225	115833	126947	137791	148636	159480	1
1/4	1/4	104467	116075	127173	138017	148862	159706	1/4
1/2	1/2	104709	116316	127399	138243	149088	159932	1/2
3/4	3/4	104950	116558	127625	138469	149314	160158	3/4
2	2	105192	116800	127851	138695	149540	160384	2
1/4	1/4	105434	117042	128077	138921	149765	160610	1/4
1/2	1/2	105676	117284	128303	139147	149991	160836	1/2
3/4	3/4	105918	117526	128529	139373	150217	161062	3/4
3	3	106159	117767	128755	139599	150443	161283	3
1/4	1/4	106401	118009	128981	139825	150669	161496	1/4
1/2	1/2	106643	118251	129207	140051	150895	161700	1/2
3/4	3/4	106885	118493	129432	140277	151121	161896	3/4
4	4	107127	118735	129658	140503	151347	162083	4
1/4	1/4	107369	118977	129884	140728	151573	162261	1/4
1/2	1/2	107610	119218	130110	140954	151799	162430	1/2
3/4	3/4	107852	119460	130336	141180	152025	162591	3/4
5	5	108094	119702	130562	141406	152251	162743	5
1/4	1/4	108336	119944	130788	141632	152477	162886	1/4
1/2	1/2	108578	120170	131014	141858	152702	163021	1/2
3/4	3/4	108820	120396	131240	142084	152928	163147	3/4
6	6	109061	120622	131466	142310	153154	163264	6
1/4	1/4	109303	120848	131692	142536	153380	163373	1/4
1/2	1/2	109545	121074	131918	142762	153606	163473	1/2
3/4	3/4	109787	121299	132143	142988	153832	163564	3/4
7	7	110029	121525	132369	143214	154058	163647	7
1/4	1/4	110271	121751	132595	143440	154284	163721	1/4
1/2	1/2	110512	121977	132821	143665	154510	163786	1/2
3/4	3/4	110754	122203	133047	143891	154736	163842	3/4
8	8	110996	122429	133273	144117	154962	163890	8
1/4	1/4	111238	122655	133499	144343	155188	163929	1/4
1/2	1/2	111480	122881	133725	144569	155414		1/2
3/4	3/4	111722	123107	133951	144795	155640		3/4
9	9	111963	123333	134177	145021	155865		9
1/4	1/4	112205	123559	134403	145247	156091		1/4
1/2	1/2	112447	123785	134629	145473	156317		1/2
3/4	3/4	112689	124010	134854	145699	156543		3/4
10	10	112931	124236	135080	145925	156769		10
1/4	1/4	113173	124462	135306	146151	156995		1/4
1/2	1/2	113414	124688	135532	146377	157221		1/2
3/4	3/4	113656	124914	135758	146602	157447		3/4
11	11	113898	125140	135984	146828	157673		11
1/4	1/4	114140	125366	136210	147054	157899		1/4
1/2	1/2	114382	125592	136436	147280	158125		1/2
3/4	3/4	114624	125818	136662	147506	158351		3/4

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

Calibrated: K/TAH
Calculation: WHF
Dated: May 15, 1998



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE

"IB -1934"

TANK: 2

CAPACITIES IN U.S. GALLONS		1 FT		2 FT		3 FT		4 FT		5 FT		6 FT		7 FT	
IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT
0	36	0	10416	0	22026	0	33610	0	45216	0	56828	0	68439	0	80051
1/4	67	1/4	10658	1/4	22268	1/4	33851	1/4	45458	1/4	57070	1/4	68681	1/4	80293
1/2	117	1/2	10900	1/2	22510	1/2	34092	1/2	45700	1/2	57312	1/2	68923	1/2	80535
3/4	188	3/4	11142	3/4	22752	3/4	34333	3/4	45942	3/4	57553	3/4	69165	3/4	80776
1	278	1	11384	1	22994	1	34574	1	46184	1	57795	1	69407	1	81018
1/4	389	1/4	11626	1/4	23236	1/4	34816	1/4	46426	1/4	58037	1/4	69649	1/4	81260
1/2	520	1/2	11868	1/2	23477	1/2	35057	1/2	46667	1/2	58279	1/2	69891	1/2	81502
3/4	671	3/4	12109	3/4	23719	3/4	35298	3/4	46909	3/4	58521	3/4	70133	3/4	81744
2	843	2	12351	2	23961	2	35540	2	47151	2	58763	2	70375	2	81986
1/4	1034	1/4	12593	1/4	24203	1/4	35781	1/4	47393	1/4	59005	1/4	70616	1/4	82228
1/2	1246	1/2	12835	1/2	24445	1/2	36023	1/2	47635	1/2	59247	1/2	70858	1/2	82470
3/4	1477	3/4	13077	3/4	24687	3/4	36265	3/4	47877	3/4	59489	3/4	71100	3/4	82712
3	1709	3	13319	3	24928	3	36507	3	48119	3	59731	3	71342	3	82954
1/4	1951	1/4	13561	1/4	25170	1/4	36749	1/4	48361	1/4	59973	1/4	71584	1/4	83195
1/2	2192	1/2	13803	1/2	25412	1/2	36991	1/2	48603	1/2	60214	1/2	71826	1/2	83437
3/4	2434	3/4	14044	3/4	25654	3/4	37233	3/4	48845	3/4	60456	3/4	72068	3/4	83679
4	2676	4	14286	4	25896	4	37475	4	49087	4	60698	4	72310	4	83921
1/4	2918	1/4	14528	1/4	26137	1/4	37717	1/4	49328	1/4	60940	1/4	72552	1/4	84163
1/2	3160	1/2	14770	1/2	26378	1/2	37959	1/2	49570	1/2	61182	1/2	72794	1/2	84405
3/4	3402	3/4	15012	3/4	26619	3/4	38201	3/4	49812	3/4	61424	3/4	73036	3/4	84647
5	3644	5	15254	5	26860	5	38443	5	50054	5	61666	5	73277	5	84889
1/4	3886	1/4	15496	1/4	27101	1/4	38684	1/4	50296	1/4	61908	1/4	73519	1/4	85131
1/2	4127	1/2	15738	1/2	27342	1/2	38926	1/2	50538	1/2	62150	1/2	73761	1/2	85373
3/4	4369	3/4	15980	3/4	27583	3/4	39168	3/4	50780	3/4	62392	3/4	74003	3/4	85614
6	4611	6	16221	6	27824	6	39410	6	51022	6	62634	6	74245	6	85856
1/4	4853	1/4	16463	1/4	28065	1/4	39652	1/4	51264	1/4	62875	1/4	74487	1/4	86098
1/2	5095	1/2	16705	1/2	28307	1/2	39894	1/2	51506	1/2	63117	1/2	74729	1/2	86340
3/4	5337	3/4	16947	3/4	28548	3/4	40136	3/4	51748	3/4	63359	3/4	74971	3/4	86582
7	5579	7	17189	7	28789	7	40378	7	51990	7	63601	7	75213	7	86824
1/4	5821	1/4	17431	1/4	29030	1/4	40620	1/4	52231	1/4	63843	1/4	75455	1/4	87066
1/2	6063	1/2	17673	1/2	29271	1/2	40862	1/2	52473	1/2	64085	1/2	75697	1/2	87308
3/4	6304	3/4	17915	3/4	29512	3/4	41104	3/4	52715	3/4	64327	3/4	75938	3/4	87550
8	6546	8	18156	8	29753	8	41345	8	52957	8	64569	8	76180	8	87792
1/4	6788	1/4	18398	1/4	29994	1/4	41587	1/4	53199	1/4	64811	1/4	76422	1/4	88033
1/2	7030	1/2	18640	1/2	30235	1/2	41829	1/2	53441	1/2	65053	1/2	76664	1/2	88275
3/4	7272	3/4	18882	3/4	30476	3/4	42071	3/4	53683	3/4	65295	3/4	76906	3/4	88517
9	7514	9	19124	9	30717	9	42313	9	53925	9	65536	9	77148	9	88759
1/4	7756	1/4	19366	1/4	30958	1/4	42555	1/4	54167	1/4	65778	1/4	77390	1/4	89001
1/2	7998	1/2	19608	1/2	31199	1/2	42797	1/2	54409	1/2	66020	1/2	77632	1/2	89243
3/4	8239	3/4	19850	3/4	31440	3/4	43039	3/4	54651	3/4	66262	3/4	77874	3/4	89485
10	8481	10	20091	10	31682	10	43281	10	54892	10	66504	10	78116	10	89727
1/4	8723	1/4	20333	1/4	31923	1/4	43523	1/4	55134	1/4	66746	1/4	78357	1/4	89969
1/2	8965	1/2	20575	1/2	32164	1/2	43765	1/2	55376	1/2	66988	1/2	78599	1/2	90211
3/4	9207	3/4	20817	3/4	32405	3/4	44006	3/4	55618	3/4	67230	3/4	78841	3/4	90452
11	9449	11	21059	11	32646	11	44248	11	55860	11	67472	11	79083	11	90694
1/4	9691	1/4	21301	1/4	32887	1/4	44490	1/4	56102	1/4	67714	1/4	79325	1/4	90936
1/2	9933	1/2	21543	1/2	33128	1/2	44732	1/2	56344	1/2	67956	1/2	79567	1/2	91178
3/4	10174	3/4	21785	3/4	33369	3/4	44974	3/4	56586	3/4	68197	3/4	79809	3/4	91420

Calibrated: RT/AH
 Calculation: WHF
 Dated: May 15, 1998
 GAUGE FROM MMC/UT VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK
 ** VOLUME OF SUMP
 COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7
 PAGE NO. 1



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE
"IB -1934"

HULL # 97-2143

TANK: 2

TOTAL GAUGE HEIGHT: 15' 09 1/8"

CAPACITIES IN U.S. GALLONS

	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT	15 FT
0	0	103273	114883	126493	138103	149714	161326	0
1/4	1/4	103515	115125	126735	138345	149956	161568	1/4
1/2	1/2	103757	115367	126977	138587	150198	161810	1/2
3/4	3/4	103999	115608	127218	138828	150440	162052	3/4
1	1	104240	115850	127460	139070	150682	162294	1
1/4	1/4	104482	116092	127702	139312	150924	162535	1/4
1/2	1/2	104724	116334	127944	139554	151166	162777	1/2
3/4	3/4	104966	116576	128186	139796	151408	163019	3/4
2	2	105208	116818	128428	140038	151650	163261	2
1/4	1/4	105450	117060	128670	140280	151892	163503	1/4
1/2	1/2	105692	117302	128912	140522	152133	163745	1/2
3/4	3/4	105934	117543	129153	140764	152375	163987	3/4
3	3	106175	117785	129395	141006	152617	164224	3
1/4	1/4	106417	118027	129637	141248	152859	164452	1/4
1/2	1/2	106659	118269	129879	141489	153101	164671	1/2
3/4	3/4	106901	118511	130121	141731	153343	164880	3/4
4	4	107143	118753	130363	141973	153585	165080	4
1/4	1/4	107385	118995	130605	142215	153827	165271	1/4
1/2	1/2	107627	119237	130847	142457	154069	165452	1/2
3/4	3/4	107869	119478	131088	142699	154311	165624	3/4
5	5	108110	119720	131330	142941	154553	165787	5
1/4	1/4	108352	119962	131572	143183	154794	165941	1/4
1/2	1/2	108594	120204	131814	143425	155036	166085	1/2
3/4	3/4	108836	120446	132056	143667	155278	166220	3/4
6	6	109078	120688	132298	143909	155520	166346	6
1/4	1/4	109320	120930	132540	144150	155762	166462	1/4
1/2	1/2	109562	121172	132781	144392	156004	166569	1/2
3/4	3/4	109803	121413	133023	144634	156246	166667	3/4
7	7	110045	121655	133265	144876	156488	166755	7
1/4	1/4	110287	121897	133507	145118	156730	166834	1/4
1/2	1/2	110529	122139	133749	145360	156972	166904	1/2
3/4	3/4	110771	122381	133991	145602	157213	166964	3/4
8	8	111013	122623	134233	145844	157455	167015	8
1/4	1/4	111255	122865	134475	146086	157697	167057	1/4
1/2	1/2	111497	123107	134716	146328	157939		1/2
3/4	3/4	111738	123348	134958	146570	158181		3/4
9	9	111980	123590	135200	146811	158423		9
1/4	1/4	112222	123832	135442	147053	158665		1/4
1/2	1/2	112464	124074	135684	147295	158907		1/2
3/4	3/4	112706	124316	135926	147537	159149		3/4
10	10	112948	124558	136168	147779	159391		10
1/4	1/4	113190	124800	136410	148021	159633		1/4
1/2	1/2	113432	125042	136651	148263	159874		1/2
3/4	3/4	113673	125283	136893	148505	160116		3/4
11	11	113915	125525	137135	148747	160358		11
1/4	1/4	114157	125767	137377	148989	160600		1/4
1/2	1/2	114399	126009	137619	149231	160842		1/2
3/4	3/4	114641	126251	137861	149472	161084		3/4

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

Calibrated: K1/AH
Calculation: WHF
Dated: May 15, 1998

CAPACITIES IN U.S. GALLONS		1 FT		2 FT		3 FT		4 FT		5 FT		6 FT		7 FT	
IN	0 FT	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	36	0	9409	0	19894	0	30377	0	40863	0	51349	0	61835	0	72321
1/4	63	1/4	9628	1/4	20112	1/4	30595	1/4	41081	1/4	51568	1/4	62054	1/4	72540
1/2	108	1/2	9846	1/2	20331	1/2	30814	1/2	41300	1/2	51786	1/2	62272	1/2	72758
3/4	172	3/4	10064	3/4	20549	3/4	31032	3/4	41518	3/4	52005	3/4	62491	3/4	72977
1	254	1	10283	1	20767	1	31251	1	41737	1	52223	1	62709	1	73195
1/4	354	1/4	10501	1/4	20986	1/4	31469	1/4	41955	1/4	52441	1/4	62928	1/4	73414
1/2	472	1/2	10720	1/2	21204	1/2	31687	1/2	42174	1/2	52660	1/2	63146	1/2	73632
3/4	609	3/4	10938	3/4	21423	3/4	31906	3/4	42392	3/4	52878	3/4	63365	3/4	73851
2	763	2	11575	2	21641	2	32124	2	42611	2	53097	2	63583	2	74069
1/4	936	1/4	11375	1/4	21859	1/4	32343	1/4	42829	1/4	53315	1/4	63802	1/4	74287
1/2	1127	1/2	11593	1/2	22078	1/2	32561	1/2	43048	1/2	53534	1/2	64020	1/2	74506
3/4	1327	3/4	11812	3/4	22296	3/4	32780	3/4	43266	3/4	53752	3/4	64238	3/4	74724
3	1546	3	12030	3	22514	3	32998	3	43484	3	53971	3	64457	3	74943
1/4	1764	1/4	12249	1/4	22733	1/4	33217	1/4	43703	1/4	54189	1/4	64675	1/4	75161
1/2	1982	1/2	12467	1/2	22951	1/2	33435	1/2	43921	1/2	54408	1/2	64894	1/2	75380
3/4	2201	3/4	12686	3/4	23170	3/4	33654	3/4	44140	3/4	54626	3/4	65112	3/4	75598
4	2419	4	12904	4	23388	4	33872	4	44358	4	54845	4	65331	4	75817
1/4	2638	1/4	13123	1/4	23606	1/4	34090	1/4	44577	1/4	55063	1/4	65549	1/4	76035
1/2	2856	1/2	13341	1/2	23825	1/2	34309	1/2	44795	1/2	55281	1/2	65768	1/2	76254
3/4	3075	3/4	13559	3/4	24043	3/4	34527	3/4	45014	3/4	55500	3/4	65986	3/4	76472
5	3293	5	13778	5	24262	5	34746	5	45232	5	55718	5	66205	5	76690
1/4	3512	1/4	13996	1/4	24480	1/4	34964	1/4	45451	1/4	55937	1/4	66423	1/4	76909
1/2	3730	1/2	14215	1/2	24698	1/2	35183	1/2	45669	1/2	56155	1/2	66642	1/2	77127
3/4	3948	3/4	14433	3/4	24917	3/4	35401	3/4	45888	3/4	56374	3/4	66860	3/4	77346
6	4167	6	14652	6	25135	6	35620	6	46106	6	56592	6	67078	6	77564
1/4	4385	1/4	14870	1/4	25354	1/4	35838	1/4	46324	1/4	56811	1/4	67297	1/4	77783
1/2	4604	1/2	15088	1/2	25572	1/2	36057	1/2	46543	1/2	57029	1/2	67515	1/2	78001
3/4	4822	3/4	15307	3/4	25790	3/4	36275	3/4	46761	3/4	57248	3/4	67734	3/4	78220
7	5041	7	15525	7	26009	7	36494	7	46980	7	57466	7	67952	7	78438
1/4	5259	1/4	15744	1/4	26227	1/4	36712	1/4	47198	1/4	57685	1/4	68171	1/4	78657
1/2	5477	1/2	15962	1/2	26446	1/2	36931	1/2	47417	1/2	57903	1/2	68389	1/2	78875
3/4	5696	3/4	16181	3/4	26664	3/4	37149	3/4	47635	3/4	58122	3/4	68608	3/4	79093
8	5914	8	16399	8	26882	8	37367	8	47854	8	58340	8	68826	8	79312
1/4	6133	1/4	16617	1/4	27101	1/4	37586	1/4	48072	1/4	58558	1/4	69045	1/4	79530
1/2	6351	1/2	16836	1/2	27319	1/2	37804	1/2	48291	1/2	58777	1/2	69263	1/2	79749
3/4	6570	3/4	17054	3/4	27538	3/4	38023	3/4	48509	3/4	58995	3/4	69481	3/4	79967
9	6788	9	17273	9	27756	9	38241	9	48728	9	59214	9	69700	9	80186
1/4	7006	1/4	17491	1/4	27975	1/4	38460	1/4	48946	1/4	59432	1/4	69918	1/4	80404
1/2	7225	1/2	17710	1/2	28193	1/2	38678	1/2	49165	1/2	59651	1/2	70137	1/2	80623
3/4	7443	3/4	17928	3/4	28411	3/4	38897	3/4	49383	3/4	59869	3/4	70355	3/4	80841
10	7662	10	18146	10	28630	10	39115	10	49601	10	60088	10	70574	10	81060
1/4	7880	1/4	18365	1/4	28848	1/4	39334	1/4	49820	1/4	60306	1/4	70792	1/4	81278
1/2	8099	1/2	18583	1/2	29067	1/2	39552	1/2	50038	1/2	60525	1/2	71011	1/2	81496
3/4	8317	3/4	18802	3/4	29285	3/4	39771	3/4	50257	3/4	60743	3/4	71229	3/4	81715
11	8535	11	19020	11	29503	11	39989	11	50475	11	60962	11	71448	11	81933
1/4	8754	1/4	19239	1/4	29722	1/4	40207	1/4	50694	1/4	61180	1/4	71666	1/4	82152
1/2	8972	1/2	19457	1/2	29940	1/2	40426	1/2	50912	1/2	61398	1/2	71884	1/2	82370
3/4	9191	3/4	19675	3/4	30159	3/4	40644	3/4	51131	3/4	61617	3/4	72103	3/4	82589

GAUGE FROM MMC/UT VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK
 Calibrated: K/IAH
 Calculation: WHF
 Dated: May 15, 1998
 ** VOLUME OF SUMP
 COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7
 PAGE NO. 1



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE

"IB -1934"

HULL # 97-2143

TANK: 3

TOTAL GAUGE HEIGHT: 15' 09 1/4"

CAPACITIES IN U.S. GALLONS

IN	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT	15 FT
0	0	0	0	0	0	0	0	0
1/4	82807	93293	103777	114262	124746	135232	145719	156205
1/2	83026	93511	103996	114480	124965	135451	145937	156423
3/4	83244	93730	104214	114699	125183	135669	146156	156642
1	83463	93948	104432	114917	125402	135888	146374	156858
1 1/4	83681	94166	104651	115135	125620	136106	146593	157072
1 1/2	83899	94385	104869	115354	125839	136325	146811	157291
1 3/4	84118	94603	105088	115572	126057	136543	147029	157509
2	84336	94822	105306	115791	126276	136762	147248	157728
2 1/4	84555	95040	105525	116009	126494	136980	147466	157947
2 1/2	84773	95259	105743	116228	126712	137199	147685	158166
2 3/4	84992	95477	105961	116446	126931	137417	147903	158385
3	85210	95695	106180	116664	127149	137636	148122	158604
3 1/4	85429	95914	106398	116883	127368	137854	148340	158823
3 1/2	85647	96132	106617	117101	127586	138073	148559	159042
3 3/4	85866	96351	106835	117320	127805	138291	148777	159261
4	86084	96569	107054	117538	128023	138509	148996	159480
4 1/4	86302	96788	107272	117757	128242	138728	149214	159699
4 1/2	86521	97006	107490	117975	128460	138946	149433	159918
4 3/4	86739	97224	107709	118193	128679	139165	149651	160137
5	86958	97443	107927	118412	128897	139383	149870	160356
5 1/4	87176	97661	108146	118630	129116	139602	149721	160575
5 1/2	87395	97880	108364	118849	129334	139820	149853	160794
5 3/4	87613	98098	108583	119067	129552	140039	149975	161013
6	87832	98317	108801	119286	129771	140257	150089	161232
6 1/4	88050	98535	109019	119504	129989	140476	150193	161451
6 1/2	88269	98753	109238	119722	130208	140694	150289	161670
6 3/4	88487	98972	109456	119941	130426	140913	150375	161889
7	88705	99190	109675	120159	130645	141131	150452	162108
7 1/4	88924	99409	109893	120378	130863	141349	150521	162327
7 1/2	89142	99627	110112	120596	131082	141568	150580	162546
7 3/4	89361	99846	110330	120815	131300	141786	150630	162765
8	89579	100064	110548	121033	131519	142005	150671	162984
8 1/4	89798	100282	110767	121251	131737	142223	150702	163203
8 1/2	90016	100501	110985	121470	131956	142442	150725	163422
8 3/4	90235	100719	111204	121688	132174	142660	150744	163641
9	90453	100938	111422	121907	132392	142879	150763	163860
9 1/4	90671	101156	111641	122125	132611	143097	150782	164079
9 1/2	90890	101374	111859	122344	132829	143316	150801	164298
9 3/4	91108	101593	112077	122562	133048	143534	150820	164517
10	91327	101811	112296	122780	133266	143753	150839	164736
10 1/4	91545	102030	112514	122999	133485	143971	150858	164955
10 1/2	91764	102248	112733	123217	133703	144189	150877	165174
10 3/4	91982	102467	112951	123436	133922	144408	150896	165393
11	92201	102685	113170	123654	134140	144626	150915	165612
11 1/4	92419	102903	113388	123873	134359	144845	150934	165831
11 1/2	92637	103122	113606	124091	134577	145063	150953	166050
11 3/4	92856	103340	113825	124309	134796	145282	150972	166269
12	93074	103559	114043	124528	135014	145500	150991	166488

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

Calibrated: K17AH
Calculation: WHF
Dated: May 15, 1998