

BARGE "IB 1013"

INGRAM OHIO BARGE LINES

COMPANY OF INGLETON

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 1582

IN.	8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		FEET	IN.	FEET	IN.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
0	87,855	88,061	88,268	88,474	98,700	98,927	99,153	99,379	99,606	99,832	100,059	100,285	100,511	100,738	100,964	101,190	101,417	101,643	101,869	102,096	102,322	102,549	102,775	103,001	103,228	103,454	103,680	103,907	104,133	104,359	104,586	104,812	105,039	105,265	105,491	105,718	105,944	106,170	106,397	106,623	106,849	107,076	107,302	107,529	107,755	107,981	108,208	108,434	108,660	108,887	109,113	109,340	109,566	109,792	110,018	110,244	110,470	110,696	110,922	111,148	111,374	111,600	111,826	112,052	112,278	112,504	112,730	112,956	113,182	113,408	113,634	113,860	114,086	114,312	114,538	114,764	114,990	115,216	115,442	115,668	115,894	116,120	116,346	116,572	116,798	117,024	117,250	117,476	117,702	117,928	118,154	118,380	118,606	118,832	119,058	119,284	119,510	119,736	119,962	120,188	120,414	120,640	120,866	121,092	121,318	121,544	121,770	122,000	122,226	122,452	122,678	122,904	123,130	123,356	123,582	123,808	124,034	124,260	124,486	124,712	124,938	125,164	125,390	125,616	125,842	126,068	126,294	126,520	126,746	126,972	127,198	127,424	127,650	127,876	128,102	128,328	128,554	128,780	129,006	129,232	129,458	129,684	129,910	130,136	130,362	130,588	130,814	131,040	131,266	131,492	131,718	131,944	132,170	132,396	132,622	132,848	133,074	133,300	133,526	133,752	133,978	134,204	134,430	134,656	134,882	135,108	135,334	135,560	135,786	136,012	136,238	136,464	136,690	136,916	137,142	137,368	137,594	137,820	138,046	138,272	138,498	138,724	138,950	139,176	139,402	139,628	139,854	140,080	140,306	140,532	140,758	140,984	141,210	141,436	141,662	141,888	142,114	142,340	142,566	142,792	143,018	143,244	143,470	143,696	143,922	144,148	144,374	144,600	144,826	145,052	145,278	145,504	145,730	145,956	146,182	146,408	146,634	146,860	147,086	147,312	147,538	147,764	147,990	148,216	148,442	148,668	148,894	149,120	149,346	149,572	149,798	150,024	150,250	150,476	150,702	150,928	151,154	151,380	151,606	151,832	152,058	152,284	152,510	152,736	152,962	153,188	153,414	153,640	153,866	154,092	154,318	154,544	154,770	155,000	155,226	155,452	155,678	155,904	156,130	156,356	156,582	156,808	157,034	157,260	157,486	157,712	157,938	158,164	158,390	158,616	158,842	159,068	159,294	159,520	159,746	159,972	160,198	160,424	160,650	160,876	161,102	161,328	161,554	161,780	162,006	162,232	162,458	162,684	162,910	163,136	163,362	163,588	163,814	164,040	164,266	164,492	164,718	164,944	165,170	165,396	165,622	165,848	166,074	166,300	166,526	166,752	166,978	167,204	167,430	167,656	167,882	168,108	168,334	168,560	168,786	169,012	169,238	169,464	169,690	169,916	170,142	170,368	170,594	170,820	171,046	171,272	171,498	171,724	171,950	172,176	172,402	172,628	172,854	173,080	173,306	173,532	173,758	173,984	174,210	174,436	174,662	174,888	175,114	175,340	175,566	175,792	176,018	176,244	176,470	176,696	176,922	177,148	177,374	177,600	177,826	178,052	178,278	178,504	178,730	178,956	179,182	179,408	179,634	179,860	180,086	180,312	180,538	180,764	180,990	181,216	181,442	181,668	181,894	182,120	182,346	182,572	182,798	183,024	183,250	183,476	183,702	183,928	184,154	184,380	184,606	184,832	185,058	185,284	185,510	185,736	185,962	186,188	186,414	186,640	186,866	187,092	187,318	187,544	187,770	188,000	188,226	188,452	188,678	188,904	189,130	189,356	189,582	189,808	190,034	190,260	190,486	190,712	190,938	191,164	191,390	191,616	191,842	192,068	192,294	192,520	192,746	192,972	193,198	193,424	193,650	193,876	194,102	194,328	194,554	194,780	195,006	195,232	195,458	195,684	195,910	196,136	196,362	196,588	196,814	197,040	197,266	197,492	197,718	197,944	198,170	198,396	198,622	198,848	199,074	199,300	199,526	199,752	199,978	200,204	200,430	200,656	200,882	201,108	201,334	201,560	201,786	202,012	202,238	202,464	202,690	202,916	203,142	203,368	203,594	203,820	204,046	204,272	204,498	204,724	204,950	205,176	205,402	205,628	205,854	206,080	206,306	206,532	206,758	206,984	207,210	207,436	207,662	207,888	208,114	208,340	208,566	208,792	209,018	209,244	209,470	209,696	209,922	210,148	210,374	210,600	210,826	211,052	211,278	211,504	211,730	211,956	212,182	212,408	212,634	212,860	213,086	213,312	213,538	213,764	213,990	214,216	214,442	214,668	214,894	215,120	215,346	215,572	215,798	216,024	216,250	216,476	216,702	216,928	217,154	217,380	217,606	217,832	218,058	218,284	218,510	218,736	218,962	219,188	219,414	219,640	219,866	220,092	220,318	220,544	220,770	221,000	221,226	221,452	221,678	221,904	222,130	222,356	222,582	222,808	223,034	223,260	223,486	223,712	223,938	224,164	224,390	224,616	224,842	225,068	225,294	225,520	225,746	225,972	226,198	226,424	226,650	226,876	227,102	227,328	227,554	227,780	228,006	228,232	228,458	228,684	228,910	229,136	229,362	229,588	229,814	230,040	230,266	230,492	230,718	230,944	231,170	231,396	231,622	231,848	232,074	232,300	232,526	232,752	232,978	233,204	233,430	233,656	233,882	234,108	234,334	234,560	234,786	235,012	235,238	235,464	235,690	235,916	236,142	236,368	236,594	236,820	237,046	237,272	237,498	237,724	237,950	238,176	238,402	238,628	238,854	239,080	239,306	239,532	239,758	239,984	240,210	240,436	240,662	240,888	241,114	241,340	241,566	241,792	242,018	242,244	242,470	242,696	242,922	243,148	243,374	243,600	243,826	244,052	244,278	244,504	244,730	244,956	245,182	245,408	245,634	245,860	246,086	246,312	246,538	246,764	246,990	247,216	247,442	247,668	247,894	248,120	248,346	248,572	248,798	249,024	249,250	249,476	249,702	249,928	250,154	250,380	250,606	250,832	251,058	251,284	251,510	251,736	251,962	252,188	252,414	252,640	252,866	253,092	253,318	253,544	253,770	254,000	254,226	254,452	254,678	254,904	255,130	255,356	255,582	255,808	256,034	256,260	256,486	256,712	256,938	257,164	257,390	257,616	257,842	258,068	258,294	258,520	258,746	258,972	259,198	259,424	259,650	259,876	260,102	260,328	260,554	260,780	261,006	261,232	261,458	261,684	261,910	262,136	262,362	262,588	262,814	263,040	263,266	263,492	263,718	263,944	264,170	264,396	264,622	264,848	265,074	265,300	265,526	265,752	265,978	266,204	266,430	266,656	266,882	267,108	267,334	267,560	267,786	268,012	268,238	268,464	268,690	268,916	269,142	269,368	269,594	269,820	270,046	270,272	270,498	270,724	270,950	271,176	271,402	271,628	271,854	272,080	272,306	272,532	272,758	272,984	273,210	273,436	273,662	273,888	274,114	274,340	274,566	274,792	275,018	275,244	275,470	275,696	275,922	276,148	276,374	276,600	276,826	277,052	277,278	277,504	277,730	277,956	278,182	278,408	278,634	278,860	279,086	279,312	279,538	279,764	279,990	280,216	280,442	280,668	280,894	281,120	281,346	281,572	281,798	282,024	282,250	282,476	282,702	282,928	283,154	283,380	283,606	283,832	284,058	284,284	284,510	284,736	284,962	285,188	285,414	285,640	285,866	286,092	286,318	286,544	286,770	287,000	287,226	287,452	287,678	287,904	288,130	288,356	288,582	288,808	289,034	289,260	289,486	289,712	289,938	290,164	290,390	290,616	290,842	291,068	291,294	291,520	291,746	291,972	292,198	292,424	292,650	292,876	293,102	293,328	293,554	293,780	294,006	294,232	294,458	294,684	294,910	295,136	295,362	295,588	295,814	296,040	296,266	296,492	296,718	296,944	297,170	297,396	297,622	297,848	298,074	298,300	298,526	298,752	298,978	299,204	299,430	299,656	299,882	300,108	300,334	300,560	300,786	301,012	301,238	301,464	301,690	301,916	302,14

BARGE "IB 1013"

INGRAM OHIO BARGE LINES

SHEET NO. 1 OF 2
 TANK NUMBER:
2

COMPANY OF INDEPENDENT

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 1582

IN.	0 FEET	IN.	1 FEET	IN.	2 FEET	IN.	3 FEET	IN.	4 FEET	IN.	5 FEET	IN.	6 FEET	IN.	FEET	IN.	FEET
0	267	0	11,172	0	22,077	0	32,941	0	43,847	0	54,753	0	65,659	0	76,564	0	87,469
1/4	494	1/4	11,400	1/4	22,504	1/4	33,166	1/4	44,074	1/4	54,980	1/4	65,886	1/4	76,792	1/4	87,697
1/2	721	1/2	11,627	1/2	22,530	1/2	33,595	1/2	44,501	1/2	55,207	1/2	66,113	1/2	77,019	1/2	87,924
3/4	948	3/4	11,854	3/4	22,756	3/4	33,823	3/4	44,728	3/4	55,534	3/4	66,440	3/4	77,345	3/4	88,250
1	1,175	1	12,081	1	22,985	1	33,850	1	44,756	1	55,661	1	66,567	1	77,472	1	88,377
1 1/4	1,403	1 1/4	12,308	1 1/4	23,209	1 1/4	34,077	1 1/4	44,983	1 1/4	55,889	1 1/4	66,795	1 1/4	77,700	1 1/4	88,605
1 1/2	1,630	1 1/2	12,536	1 1/2	23,435	1 1/2	34,304	1 1/2	45,210	1 1/2	56,116	1 1/2	67,022	1 1/2	77,928	1 1/2	88,831
1 3/4	1,857	1 3/4	12,763	1 3/4	23,662	1 3/4	34,531	1 3/4	45,437	1 3/4	56,343	1 3/4	67,249	1 3/4	78,155	1 3/4	89,059
2	2,084	2	12,990	2	23,888	2	34,759	2	45,664	2	56,570	2	67,476	2	78,382	2	89,284
2 1/4	2,311	2 1/4	13,217	2 1/4	24,114	2 1/4	34,986	2 1/4	45,892	2 1/4	56,798	2 1/4	67,705	2 1/4	78,609	2 1/4	89,508
2 1/2	2,539	2 1/2	13,444	2 1/2	24,340	2 1/2	35,213	2 1/2	46,119	2 1/2	57,025	2 1/2	67,931	2 1/2	78,836	2 1/2	89,732
2 3/4	2,766	2 3/4	13,672	2 3/4	24,567	2 3/4	35,440	2 3/4	46,346	2 3/4	57,252	2 3/4	68,158	2 3/4	79,064	2 3/4	90,000
3	2,993	3	13,899	3	24,793	3	35,667	3	46,573	3	57,479	3	68,385	3	79,291	3	90,224
3 1/4	3,220	3 1/4	14,126	3 1/4	25,019	3 1/4	35,895	3 1/4	46,800	3 1/4	57,706	3 1/4	68,612	3 1/4	79,518	3 1/4	90,448
3 1/2	3,447	3 1/2	14,353	3 1/2	25,246	3 1/2	36,122	3 1/2	47,028	3 1/2	57,934	3 1/2	68,839	3 1/2	79,745	3 1/2	90,672
3 3/4	3,675	3 3/4	14,580	3 3/4	25,472	3 3/4	36,349	3 3/4	47,255	3 3/4	58,161	3 3/4	69,067	3 3/4	79,972	3 3/4	90,896
4	3,902	4	14,808	4	25,698	4	36,576	4	47,482	4	58,388	4	69,294	4	80,200	4	91,120
4 1/4	4,129	4 1/4	15,035	4 1/4	25,925	4 1/4	36,803	4 1/4	47,709	4 1/4	58,615	4 1/4	69,521	4 1/4	80,427	4 1/4	91,344
4 1/2	4,356	4 1/2	15,262	4 1/2	26,151	4 1/2	37,031	4 1/2	47,936	4 1/2	58,842	4 1/2	69,748	4 1/2	80,654	4 1/2	91,568
4 3/4	4,583	4 3/4	15,489	4 3/4	26,377	4 3/4	37,258	4 3/4	48,164	4 3/4	59,070	4 3/4	69,975	4 3/4	80,881	4 3/4	91,792
5	4,811	5	15,717	5	26,603	5	37,485	5	48,391	5	59,297	5	70,205	5	81,109	5	92,016
5 1/4	5,038	5 1/4	15,944	5 1/4	26,830	5 1/4	37,712	5 1/4	48,618	5 1/4	59,524	5 1/4	70,430	5 1/4	81,336	5 1/4	92,240
5 1/2	5,265	5 1/2	16,171	5 1/2	27,056	5 1/2	37,939	5 1/2	48,845	5 1/2	59,751	5 1/2	70,657	5 1/2	81,563	5 1/2	92,464
5 3/4	5,492	5 3/4	16,398	5 3/4	27,282	5 3/4	38,167	5 3/4	49,073	5 3/4	59,978	5 3/4	70,884	5 3/4	81,790	5 3/4	92,688
6	5,719	6	16,625	6	27,509	6	38,394	6	49,300	6	60,206	6	71,111	6	82,017	6	92,912
6 1/4	5,947	6 1/4	16,853	6 1/4	27,735	6 1/4	38,621	6 1/4	49,527	6 1/4	60,433	6 1/4	71,339	6 1/4	82,245	6 1/4	93,136
6 1/2	6,174	6 1/2	17,080	6 1/2	27,961	6 1/2	38,848	6 1/2	49,754	6 1/2	60,660	6 1/2	71,566	6 1/2	82,472	6 1/2	93,360
6 3/4	6,401	6 3/4	17,307	6 3/4	28,188	6 3/4	39,075	6 3/4	49,981	6 3/4	60,887	6 3/4	71,793	6 3/4	82,699	6 3/4	93,584
7	6,628	7	17,534	7	28,414	7	39,303	7	50,209	7	61,114	7	72,020	7	82,926	7	93,808
7 1/4	6,855	7 1/4	17,761	7 1/4	28,640	7 1/4	39,530	7 1/4	50,436	7 1/4	61,342	7 1/4	72,248	7 1/4	83,153	7 1/4	94,032
7 1/2	7,083	7 1/2	17,989	7 1/2	28,867	7 1/2	39,757	7 1/2	50,663	7 1/2	61,569	7 1/2	72,475	7 1/2	83,381	7 1/2	94,256
7 3/4	7,310	7 3/4	18,216	7 3/4	29,093	7 3/4	39,984	7 3/4	50,890	7 3/4	61,796	7 3/4	72,702	7 3/4	83,608	7 3/4	94,480
8	7,537	8	18,443	8	29,319	8	40,211	8	51,117	8	62,023	8	72,929	8	83,835	8	94,704
8 1/4	7,764	8 1/4	18,670	8 1/4	29,545	8 1/4	40,438	8 1/4	51,345	8 1/4	62,250	8 1/4	73,156	8 1/4	84,062	8 1/4	94,928
8 1/2	7,992	8 1/2	18,897	8 1/2	29,772	8 1/2	40,666	8 1/2	51,572	8 1/2	62,478	8 1/2	73,384	8 1/2	84,289	8 1/2	95,152
8 3/4	8,219	8 3/4	19,125	8 3/4	29,998	8 3/4	40,893	8 3/4	51,799	8 3/4	62,705	8 3/4	73,611	8 3/4	84,516	8 3/4	95,376
9	8,446	9	19,352	9	30,224	9	41,120	9	52,026	9	62,932	9	73,838	9	84,744	9	95,600
9 1/4	8,673	9 1/4	19,579	9 1/4	30,451	9 1/4	41,348	9 1/4	52,253	9 1/4	63,159	9 1/4	74,065	9 1/4	84,971	9 1/4	95,824
9 1/2	8,900	9 1/2	19,806	9 1/2	30,677	9 1/2	41,575	9 1/2	52,481	9 1/2	63,386	9 1/2	74,292	9 1/2	85,198	9 1/2	96,048
9 3/4	9,128	9 3/4	20,033	9 3/4	30,903	9 3/4	41,802	9 3/4	52,708	9 3/4	63,614	9 3/4	74,520	9 3/4	85,426	9 3/4	96,272
10	9,355	10	20,261	10	31,130	10	42,029	10	52,935	10	63,841	10	74,747	10	85,653	10	96,496
10 1/4	9,582	10 1/4	20,488	10 1/4	31,356	10 1/4	42,256	10 1/4	53,162	10 1/4	64,068	10 1/4	74,974	10 1/4	85,880	10 1/4	96,720
10 1/2	9,809	10 1/2	20,715	10 1/2	31,582	10 1/2	42,484	10 1/2	53,389	10 1/2	64,295	10 1/2	75,201	10 1/2	86,107	10 1/2	96,944
10 3/4	10,036	10 3/4	20,942	10 3/4	31,808	10 3/4	42,711	10 3/4	53,617	10 3/4	64,523	10 3/4	75,428	10 3/4	86,334	10 3/4	97,168
11	10,264	11	21,169	11	32,035	11	42,938	11	53,844	11	64,750	11	75,656	11	86,562	11	97,392
11 1/4	10,491	11 1/4	21,397	11 1/4	32,261	11 1/4	43,165	11 1/4	54,071	11 1/4	64,977	11 1/4	75,883	11 1/4	86,789	11 1/4	97,616
11 1/2	10,718	11 1/2	21,624	11 1/2	32,487	11 1/2	43,392	11 1/2	54,298	11 1/2	65,204	11 1/2	76,110	11 1/2	87,016	11 1/2	97,840
11 3/4	10,945	11 3/4	21,851	11 3/4	32,714	11 3/4	43,620	11 3/4	54,525	11 3/4	65,431	11 3/4	76,337	11 3/4	87,243	11 3/4	98,064

CAPACITY IN: U.S. GALLONS

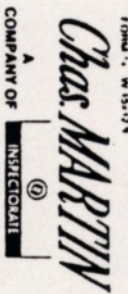
GAUGE HEIGHT: 14-11 1/2" (TO TOP OF BALL VALVE HATCH)

STRAPPED: 11/12/91

*CAPACITY BELOW STRIKE POINT

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

[Signature]



BARGE "IB 1013"

INGRAM OHIO BARGE LINES

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 1582

CAPACITY IN: U.S. GALLONS		GAUGE HEIGHT: 14-11 1/2" (10 TOP OF BALL VALVE HATCH)							
IN.	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	13 FEET	14 FEET	15 FEET	FEET
0	87,470	98,576	109,282	120,188	131,094	142,000	149,484	0	0
1/4	87,698	98,603	109,509	120,415	131,321	142,227	149,491	1/4	1/4
1/2	87,925	98,831	109,737	120,642	131,546	142,454	149,498	1/2	1/2
3/4	88,152	99,058	109,964	120,870	131,772	142,681	149,505	3/4	3/4
1	88,379	99,285	110,191	121,097	132,003	142,909	149,512	1	1
1/4	88,606	99,512	110,418	121,324	132,230	143,136	149,519	1/4	1/4
1/2	88,834	99,739	110,645	121,551	132,457	143,363	149,526	1/2	1/2
3/4	89,061	99,967	110,872	121,778	132,684	143,590	149,533	3/4	3/4
2	89,288	100,194	111,100	122,006	132,912	143,817	149,540	2	2
1/4	89,515	100,421	111,327	122,233	133,139	144,045	149,547	1/4	1/4
1/2	89,742	100,648	111,554	122,460	133,366	144,272	149,554	1/2	1/2
3/4	89,970	100,875	111,781	122,687	133,593	144,499	149,561	3/4	3/4
3	90,197	101,103	112,009	122,914	133,820	144,726	149,568	3	3
1/4	90,424	101,330	112,236	123,142	134,046	144,953	149,575	1/4	1/4
1/2	90,651	101,557	112,463	123,369	134,273	145,181	149,582	1/2	1/2
3/4	90,878	101,784	112,690	123,596	134,502	145,408	149,589	3/4	3/4
4	91,106	102,012	112,917	123,823	134,729	145,635	149,596	4	4
1/4	91,333	102,239	113,145	124,050	134,956	145,862	149,603	1/4	1/4
1/2	91,560	102,466	113,372	124,278	135,184	146,089	149,610	1/2	1/2
3/4	91,787	102,693	113,599	124,505	135,411	146,316	149,617	3/4	3/4
5	92,014	102,920	113,826	124,732	135,638	146,543	149,624	5	5
1/4	92,242	103,148	114,053	124,959	135,865	146,770	149,631	1/4	1/4
1/2	92,469	103,375	114,281	125,187	136,092	147,000	149,638	1/2	1/2
3/4	92,696	103,602	114,508	125,414	136,320	147,227	149,645	3/4	3/4
6	92,923	103,829	114,735	125,641	136,547	147,454	149,652	6	6
1/4	93,150	104,056	114,962	125,868	136,774	147,681	149,659	1/4	1/4
1/2	93,378	104,284	115,189	126,095	137,001	147,908	149,666	1/2	1/2
3/4	93,605	104,511	115,417	126,322	137,228	148,135	149,673	3/4	3/4
7	93,832	104,738	115,644	126,550	137,456	148,362	149,680	7	7
1/4	94,059	104,965	115,871	126,777	137,683	148,589	149,687	1/4	1/4
1/2	94,287	105,192	116,098	127,004	137,910	148,816	149,694	1/2	1/2
3/4	94,514	105,420	116,325	127,231	138,137	149,043	149,701	3/4	3/4
8	94,741	105,647	116,553	127,459	138,364	149,270	149,708	8	8
1/4	94,968	105,874	116,780	127,686	138,592	149,497	149,715	1/4	1/4
1/2	95,195	106,101	117,007	127,913	138,819	149,724	149,722	1/2	1/2
3/4	95,422	106,328	117,234	128,140	139,046	149,951	149,729	3/4	3/4
9	95,650	106,556	117,462	128,367	139,273	150,178	149,736	9	9
1/4	95,877	106,783	117,689	128,595	139,501	150,405	149,743	1/4	1/4
1/2	96,104	107,010	117,916	128,822	139,728	150,632	149,750	1/2	1/2
3/4	96,331	107,237	118,143	129,049	139,955	150,859	149,757	3/4	3/4
10	96,559	107,464	118,370	129,276	140,182	151,086	149,764	10	10
1/4	96,786	107,692	118,598	129,503	140,409	151,313	149,771	1/4	1/4
1/2	97,013	107,919	118,825	129,731	140,637	151,540	149,778	1/2	1/2
3/4	97,240	108,146	119,052	129,958	140,864	151,767	149,785	3/4	3/4
11	97,467	108,373	119,279	130,185	141,091	151,994	149,792	11	11
1/4	97,695	108,600	119,506	130,412	141,318	152,221	149,799	1/4	1/4
1/2	97,922	108,828	119,734	130,639	141,545	152,448	149,806	1/2	1/2
3/4	98,149	109,055	119,961	130,866	141,773	152,675	149,813	3/4	3/4

STRAP #2- 11/12/91

CHAS. MARTIN CORPORATION

BARGE "IB 1013"

INGRAM OHIO BARGE LINES

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

ULL NO. 1582

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		FEET	
IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	CONTINUED ON SHEET NO. 2
0	1.035	0	13.032	0	25.026	0	37.019	0	49.012	0	61.006	0	72.999	0	84.992	0	
1/4	1.289	1/4	13.282	1/4	25.275	1/4	37.269	1/4	49.262	1/4	61.256	1/4	73.249	1/4	85.242	1/4	
1/2	1.538	1/2	13.532	1/2	25.525	1/2	37.519	1/2	49.512	1/2	61.505	1/2	73.499	1/2	85.492	1/2	
3/4	1.788	3/4	13.782	3/4	25.775	3/4	37.768	3/4	49.762	3/4	61.755	3/4	73.749	3/4	85.742	3/4	
1	2.038	1	14.032	1	26.025	1	38.018	1	50.012	1	62.005	1	74.000	1	86.000	1	
1 1/4	2.288	1 1/4	14.281	1 1/4	26.275	1 1/4	38.268	1 1/4	50.262	1 1/4	62.255	1 1/4	74.248	1 1/4	86.242	1 1/4	
1 1/2	2.538	1 1/2	14.531	1 1/2	26.525	1 1/2	38.518	1 1/2	50.511	1 1/2	62.505	1 1/2	74.498	1 1/2	86.492	1 1/2	
1 3/4	2.788	1 3/4	14.781	1 3/4	26.775	1 3/4	38.768	1 3/4	50.761	1 3/4	62.755	1 3/4	74.748	1 3/4	86.741	1 3/4	
2	3.038	2	15.031	2	27.024	2	39.018	2	51.011	2	63.005	2	74.998	2	86.991	2	
2 1/4	3.288	2 1/4	15.281	2 1/4	27.274	2 1/4	39.268	2 1/4	51.261	2 1/4	63.254	2 1/4	75.248	2 1/4	87.241	2 1/4	
2 1/2	3.537	2 1/2	15.531	2 1/2	27.524	2 1/2	39.518	2 1/2	51.511	2 1/2	63.504	2 1/2	75.498	2 1/2	87.491	2 1/2	
2 3/4	3.787	2 3/4	15.781	2 3/4	27.774	2 3/4	39.767	2 3/4	51.761	2 3/4	63.754	2 3/4	75.747	2 3/4	87.741	2 3/4	
3	4.037	3	16.030	3	28.024	3	40.017	3	52.011	3	64.004	3	75.997	3	87.991	3	
3 1/4	4.287	3 1/4	16.280	3 1/4	28.274	3 1/4	40.267	3 1/4	52.260	3 1/4	64.254	3 1/4	76.247	3 1/4	88.241	3 1/4	
3 1/2	4.537	3 1/2	16.530	3 1/2	28.524	3 1/2	40.517	3 1/2	52.510	3 1/2	64.504	3 1/2	76.497	3 1/2	88.490	3 1/2	
3 3/4	4.787	3 3/4	16.780	3 3/4	28.773	3 3/4	40.767	3 3/4	52.760	3 3/4	64.754	3 3/4	76.747	3 3/4	88.740	3 3/4	
4	5.037	4	17.030	4	29.023	4	41.017	4	53.010	4	65.003	4	76.997	4	88.990	4	
4 1/4	5.286	4 1/4	17.280	4 1/4	29.273	4 1/4	41.267	4 1/4	53.260	4 1/4	65.253	4 1/4	77.247	4 1/4	89.240	4 1/4	
4 1/2	5.536	4 1/2	17.530	4 1/2	29.523	4 1/2	41.516	4 1/2	53.510	4 1/2	65.503	4 1/2	77.497	4 1/2	89.490	4 1/2	
4 3/4	5.786	4 3/4	17.780	4 3/4	29.773	4 3/4	41.766	4 3/4	53.760	4 3/4	65.753	4 3/4	77.746	4 3/4	89.740	4 3/4	
5	6.036	5	18.029	5	30.023	5	42.016	5	54.010	5	66.003	5	77.996	5	89.990	5	
5 1/4	6.286	5 1/4	18.279	5 1/4	30.273	5 1/4	42.266	5 1/4	54.259	5 1/4	66.253	5 1/4	78.246	5 1/4	90.239	5 1/4	
5 1/2	6.536	5 1/2	18.529	5 1/2	30.522	5 1/2	42.516	5 1/2	54.509	5 1/2	66.503	5 1/2	78.496	5 1/2	90.489	5 1/2	
5 3/4	6.786	5 3/4	18.779	5 3/4	30.772	5 3/4	42.766	5 3/4	54.759	5 3/4	66.752	5 3/4	78.746	5 3/4	90.739	5 3/4	
6	7.035	6	19.029	6	31.022	6	43.016	6	55.009	6	67.002	6	78.996	6	90.989	6	
6 1/4	7.285	6 1/4	19.279	6 1/4	31.272	6 1/4	43.265	6 1/4	55.259	6 1/4	67.252	6 1/4	79.246	6 1/4	91.239	6 1/4	
6 1/2	7.535	6 1/2	19.529	6 1/2	31.522	6 1/2	43.515	6 1/2	55.509	6 1/2	67.502	6 1/2	79.495	6 1/2	91.489	6 1/2	
6 3/4	7.785	6 3/4	19.778	6 3/4	31.772	6 3/4	43.765	6 3/4	55.759	6 3/4	67.752	6 3/4	79.745	6 3/4	91.739	6 3/4	
7	8.035	7	20.028	7	32.022	7	44.015	7	56.008	7	68.002	7	79.995	7	91.989	7	
7 1/4	8.285	7 1/4	20.278	7 1/4	32.272	7 1/4	44.265	7 1/4	56.258	7 1/4	68.252	7 1/4	80.245	7 1/4	92.238	7 1/4	
7 1/2	8.535	7 1/2	20.528	7 1/2	32.521	7 1/2	44.515	7 1/2	56.508	7 1/2	68.502	7 1/2	80.495	7 1/2	92.488	7 1/2	
7 3/4	8.784	7 3/4	20.778	7 3/4	32.771	7 3/4	44.765	7 3/4	56.758	7 3/4	68.751	7 3/4	80.745	7 3/4	92.738	7 3/4	
8	9.034	8	21.028	8	33.021	8	45.014	8	57.008	8	69.001	8	80.995	8	92.988	8	
8 1/4	9.284	8 1/4	21.278	8 1/4	33.271	8 1/4	45.264	8 1/4	57.258	8 1/4	69.251	8 1/4	81.244	8 1/4	93.238	8 1/4	
8 1/2	9.534	8 1/2	21.527	8 1/2	33.521	8 1/2	45.514	8 1/2	57.508	8 1/2	69.501	8 1/2	81.494	8 1/2	93.488	8 1/2	
8 3/4	9.784	8 3/4	21.777	8 3/4	33.771	8 3/4	45.764	8 3/4	57.757	8 3/4	69.751	8 3/4	81.744	8 3/4	93.738	8 3/4	
9	10.034	9	22.027	9	34.021	9	46.014	9	58.007	9	70.001	9	81.994	9	93.987	9	
9 1/4	10.284	9 1/4	22.277	9 1/4	34.270	9 1/4	46.264	9 1/4	58.257	9 1/4	70.251	9 1/4	82.244	9 1/4	94.237	9 1/4	
9 1/2	10.534	9 1/2	22.527	9 1/2	34.520	9 1/2	46.514	9 1/2	58.507	9 1/2	70.500	9 1/2	82.494	9 1/2	94.487	9 1/2	
9 3/4	10.783	9 3/4	22.777	9 3/4	34.770	9 3/4	46.764	9 3/4	58.757	9 3/4	70.750	9 3/4	82.744	9 3/4	94.737	9 3/4	
10	11.033	10	23.027	10	35.020	10	47.013	10	59.007	10	71.000	10	82.993	10	94.987	10	
10 1/4	11.283	10 1/4	23.276	10 1/4	35.270	10 1/4	47.263	10 1/4	59.257	10 1/4	71.250	10 1/4	83.243	10 1/4	95.237	10 1/4	
10 1/2	11.533	10 1/2	23.526	10 1/2	35.520	10 1/2	47.513	10 1/2	59.506	10 1/2	71.500	10 1/2	83.493	10 1/2	95.487	10 1/2	
10 3/4	11.783	10 3/4	23.776	10 3/4	35.770	10 3/4	47.763	10 3/4	59.756	10 3/4	71.750	10 3/4	83.743	10 3/4	95.736	10 3/4	
11	12.033	11	24.026	11	36.019	11	48.013	11	60.006	11	72.000	11	83.993	11	95.986	11	
11 1/4	12.283	11 1/4	24.276	11 1/4	36.269	11 1/4	48.263	11 1/4	60.256	11 1/4	72.249	11 1/4	84.243	11 1/4	96.236	11 1/4	
11 1/2	12.532	11 1/2	24.526	11 1/2	36.519	11 1/2	48.513	11 1/2	60.506	11 1/2	72.499	11 1/2	84.493	11 1/2	96.486	11 1/2	
11 3/4	12.782	11 3/4	24.776	11 3/4	36.769	11 3/4	48.762	11 3/4	60.756	11 3/4	72.749	11 3/4	84.743	11 3/4	96.736	11 3/4	

CAPACITY IN U.S. GALLONS

GAUGE HEIGHT: 14-10 1/4" (TO TOP OF BALL VALVE HATCH)

STRAPPED: 11/12/91

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

[Signature]

BARGE "IB 1013"

INGRAM OHIO BARGE LINES

COMPANY OF INSURANCE

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

H. L. NO. 1582

IN.	8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		FEET	IN.	FEET	IN.	FEET
	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.					
0	96,986	0	108,979	0	120,973	0	132,865	0	144,514	0	155,344	0		0		0	
1/4	97,236	1/4	109,229	1/4	121,222	1/4	133,110	1/4	144,549	1/4	155,572	1/4		1/4		1/4	
1/2	97,485	1/2	109,479	1/2	121,472	1/2	133,352	1/2	144,781	1/2	155,801	1/2		1/2		1/2	
3/4	97,735	3/4	109,729	3/4	121,722	3/4	133,593	3/4	145,012	3/4	156,029	3/4		3/4		3/4	
1	97,985	1	109,979	1	121,972	1	133,835	1	145,244	1	156,257	1		1		1	
1 1/4	98,235	1 1/4	110,226	1 1/4	122,222	1 1/4	134,077	1 1/4	145,476	1 1/4	156,466	1 1/4		1 1/4		1 1/4	
1 1/2	98,485	1 1/2	110,478	1 1/2	122,472	1 1/2	134,318	1 1/2	145,708	1 1/2	156,714	1 1/2		1 1/2		1 1/2	
1 3/4	98,735	1 3/4	110,728	1 3/4	122,722	1 3/4	134,560	1 3/4	145,939	1 3/4	156,943	1 3/4		1 3/4		1 3/4	
2	98,985	2	110,978	2	122,971	2	134,801	2	146,171	2	157,171	2		2		2	
2 1/4	99,235	2 1/4	111,226	2 1/4	123,221	2 1/4	135,043	2 1/4	146,403	2 1/4	157,399	2 1/4		2 1/4		2 1/4	
2 1/2	99,484	2 1/2	111,478	2 1/2	123,471	2 1/2	135,285	2 1/2	146,634	2 1/2	157,628	2 1/2		2 1/2		2 1/2	
2 3/4	99,734	2 3/4	111,728	2 3/4	123,721	2 3/4	135,526	2 3/4	146,866	2 3/4	157,856	2 3/4		2 3/4		2 3/4	
3	99,984	3	111,977	3	123,971	3	135,768	3	147,098	3	158,085	3		3		3	
3 1/4	100,234	3 1/4	112,227	3 1/4	124,221	3 1/4	136,009	3 1/4	147,330	3 1/4	158,313	3 1/4		3 1/4		3 1/4	
3 1/2	100,484	3 1/2	112,477	3 1/2	124,471	3 1/2	136,251	3 1/2	147,561	3 1/2	158,528	3 1/2		3 1/2		3 1/2	
3 3/4	100,734	3 3/4	112,727	3 3/4	124,720	3 3/4	136,493	3 3/4	147,793	3 3/4	158,743	3 3/4		3 3/4		3 3/4	
4	100,984	4	112,977	4	124,970	4	136,734	4	148,025	4	158,958	4		4		4	
4 1/4	101,235	4 1/4	113,227	4 1/4	125,220	4 1/4	136,976	4 1/4	148,256	4 1/4	159,173	4 1/4		4 1/4		4 1/4	
4 1/2	101,485	4 1/2	113,477	4 1/2	125,468	4 1/2	137,214	4 1/2	148,486	4 1/2	159,361	4 1/2		4 1/2		4 1/2	
4 3/4	101,735	4 3/4	113,727	4 3/4	125,717	4 3/4	137,453	4 3/4	148,715	4 3/4	159,549	4 3/4		4 3/4		4 3/4	
5	101,985	5	113,976	5	125,965	5	137,691	5	148,944	5	159,737	5		5		5	
5 1/4	102,235	5 1/4	114,226	5 1/4	126,213	5 1/4	137,929	5 1/4	149,173	5 1/4	159,925	5 1/4		5 1/4		5 1/4	
5 1/2	102,485	5 1/2	114,476	5 1/2	126,461	5 1/2	138,167	5 1/2	149,403	5 1/2	160,087	5 1/2		5 1/2		5 1/2	
5 3/4	102,735	5 3/4	114,726	5 3/4	126,709	5 3/4	138,406	5 3/4	149,632	5 3/4	160,248	5 3/4		5 3/4		5 3/4	
6	102,982	6	114,976	6	126,958	6	138,644	6	149,861	6	160,409	6		6		6	
6 1/4	103,232	6 1/4	115,226	6 1/4	127,206	6 1/4	138,882	6 1/4	150,090	6 1/4	160,570	6 1/4		6 1/4		6 1/4	
6 1/2	103,482	6 1/2	115,476	6 1/2	127,454	6 1/2	139,121	6 1/2	150,319	6 1/2	160,705	6 1/2		6 1/2		6 1/2	
6 3/4	103,732	6 3/4	115,725	6 3/4	127,702	6 3/4	139,352	6 3/4	150,547	6 3/4	160,839	6 3/4		6 3/4		6 3/4	
7	103,982	7	115,975	7	127,950	7	139,597	7	150,776	7	160,973	7		7		7	
7 1/4	104,232	7 1/4	116,225	7 1/4	128,199	7 1/4	139,836	7 1/4	151,004	7 1/4	161,108	7 1/4		7 1/4		7 1/4	
7 1/2	104,482	7 1/2	116,475	7 1/2	128,447	7 1/2	140,074	7 1/2	151,232	7 1/2	161,215	7 1/2		7 1/2		7 1/2	
7 3/4	104,731	7 3/4	116,725	7 3/4	128,692	7 3/4	140,312	7 3/4	151,461	7 3/4	161,323	7 3/4		7 3/4		7 3/4	
8	104,981	8	116,975	8	128,943	8	140,551	8	151,689	8	161,430	8		8		8	
8 1/4	105,231	8 1/4	117,225	8 1/4	129,192	8 1/4	140,789	8 1/4	151,918	8 1/4	161,538	8 1/4		8 1/4		8 1/4	
8 1/2	105,481	8 1/2	117,474	8 1/2	129,436	8 1/2	141,024	8 1/2	152,146	8 1/2	161,618	8 1/2		8 1/2		8 1/2	
8 3/4	105,731	8 3/4	117,724	8 3/4	129,681	8 3/4	141,259	8 3/4	152,374	8 3/4	161,692	8 3/4		8 3/4		8 3/4	
9	105,981	9	117,974	9	129,926	9	141,494	9	152,603	9	161,780	9		9		9	
9 1/4	106,231	9 1/4	118,224	9 1/4	130,171	9 1/4	141,729	9 1/4	152,831	9 1/4	161,860	9 1/4		9 1/4		9 1/4	
9 1/2	106,481	9 1/2	118,474	9 1/2	130,416	9 1/2	141,964	9 1/2	153,060	9 1/2	161,914	9 1/2		9 1/2		9 1/2	
9 3/4	106,730	9 3/4	118,724	9 3/4	130,661	9 3/4	142,199	9 3/4	153,288	9 3/4	161,968	9 3/4		9 3/4		9 3/4	
10	106,980	10	118,974	10	130,906	10	142,434	10	153,516	10	162,021	10		10		10	
10 1/4	107,230	10 1/4	119,223	10 1/4	131,151	10 1/4	142,669	10 1/4	153,745	10 1/4	162,075	10 1/4		10 1/4		10 1/4	
10 1/2	107,480	10 1/2	119,473	10 1/2	131,396	10 1/2	142,904	10 1/2	153,973	10 1/2	162,102	10 1/2		10 1/2		10 1/2	
10 3/4	107,730	10 3/4	119,723	10 3/4	131,641	10 3/4	143,139	10 3/4	154,202	10 3/4	162,129	10 3/4		10 3/4		10 3/4	
11	107,980	11	119,973	11	131,886	11	143,374	11	154,430	11	162,156	11		11		11	
11 1/4	108,230	11 1/4	120,223	11 1/4	132,130	11 1/4	143,609	11 1/4	154,659	11 1/4	162,183	11 1/4		11 1/4		11 1/4	
11 1/2	108,479	11 1/2	120,473	11 1/2	132,375	11 1/2	143,844	11 1/2	154,887	11 1/2	162,189	11 1/2		11 1/2		11 1/2	
11 3/4	108,729	11 3/4	120,723	11 3/4	132,620	11 3/4	144,079	11 3/4	155,115	11 3/4	162,196	11 3/4		11 3/4		11 3/4	

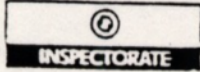
CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 14-10 1/4" (TO TOP OF BALL VALVE HATCH)

STRAPED: 11/12/91

Chas. MARTIN

A
COMPANY OF



BARGE "IB 1013"

INGRAM OHIO BARGE LINES

CORRECTION TABLE FOR TRIM AFT.

FOR INNAGE GAUGES ONLY

TRIM	TANK NO. 1	TANK NO. 2	TANK NO. 3
0'-6"	(-) 0'-0 1/4"	(-) 0'-0 1/8"	(-) 0'-0 1/8"
1'-0"	(-) 0'-0 3/8"	(-) 0'-0 1/4"	(-) 0'-0 1/4"
1'-6"	(-) 0'-0 5/8"	(-) 0'-0 3/8"	(-) 0'-0 3/8"
2'-0"	(-) 0'-0 7/8"	(-) 0'-0 1/2"	(-) 0'-0 3/8"
2'-6"	(-) 0'-1"	(-) 0'-0 5/8"	(-) 0'-0 1/2"
3'-0"	(-) 0'-1 1/4"	(-) 0'-0 3/4"	(-) 0'-0 5/8"
3'-6"	(-) 0'-1 1/2"	(-) 0'-1"	(-) 0'-0 3/4"
4'-0"	(-) 0'-1 5/8"	(-) 0'-1 1/8"	(-) 0'-0 7/8"
4'-6"	(-) 0'-1 7/8"	(-) 0'-1 1/4"	(-) 0'-1"
5'-0"	(-) 0'-2 1/8"	(-) 0'-1 3/8"	(-) 0'-1"

NOTE: FOR TRIM FWD., REVERSE SIGNS.

NOTE: IF LIQUID SURFACE TOUCHES TANK BOTTOM OR DECK WHEN GAUGED, TRIM CORRECTIONS ARE NOT ACCURATE.

NOTE: FOR "OUTAGE" GAUGES, REVERSE SIGNS.

CHAS. MARTIN INSPECTION
AND CONTROLS, INC.

BY: D. SAUER

DATE: 11/12/91

BARGE "1B 1013"

INGRAM OHIO BARGE LINES

SH:ET NO. 1 OF 2
 TA:IP NUMBER:
1

COMPANY OF INSPECTOR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HU L NO. 1582

IN.	0 FEET	1 FEET	2 FEET	3 FEET	4 FEET	5 FEET	6 FEET	7 FEET	FEET
0	945 0	11,813 0	22,676 0	33,507 0	44,373 0	55,238 0	66,104 0	76,969 0	CONTINUED ON
1/4	1,172 1/4	12,040 1/4	22,902 1/4	33,734 1/4	44,599 1/4	55,465 1/4	66,330 1/4	77,196 1/4	CHEET NO. 2
1/2	1,398 1/2	12,266 1/2	23,128 1/2	33,960 1/2	44,825 1/2	55,691 1/2	66,556 1/2	77,422 1/2	
3/4	1,625 3/4	12,493 3/4	23,353 3/4	34,186 3/4	45,052 3/4	55,917 3/4	66,783 3/4	77,648 3/4	
1	1,851 1	12,719 1	23,579 1	34,413 1	45,278 1	56,144 1	67,009 1	77,875 1	
1 1/4	2,078 1 1/4	12,945 1 1/4	23,804 1 1/4	34,639 1 1/4	45,505 1 1/4	56,370 1 1/4	67,236 1 1/4	78,101 1 1/4	
1 1/2	2,304 1 1/2	13,172 1 1/2	24,030 1 1/2	34,865 1 1/2	45,731 1 1/2	56,596 1 1/2	67,462 1 1/2	78,327 1 1/2	
1 3/4	2,531 1 3/4	13,398 1 3/4	24,252 1 3/4	35,092 1 3/4	45,957 1 3/4	56,823 1 3/4	67,688 1 3/4	78,554 1 3/4	
2	2,757 2	13,624 2	24,481 2	35,318 2	46,184 2	57,049 2	67,915 2	78,780 2	
2 1/4	2,984 2 1/4	13,851 2 1/4	24,707 2 1/4	35,544 2 1/4	46,410 2 1/4	57,276 2 1/4	68,141 2 1/4	79,007 2 1/4	
2 1/2	3,210 2 1/2	14,077 2 1/2	24,932 2 1/2	35,771 2 1/2	46,636 2 1/2	57,502 2 1/2	68,367 2 1/2	79,233 2 1/2	
2 3/4	3,437 2 3/4	14,304 2 3/4	25,158 2 3/4	35,997 2 3/4	46,863 2 3/4	57,728 2 3/4	68,594 2 3/4	79,459 2 3/4	
3	3,663 3	14,530 3	25,383 3	36,224 3	47,089 3	57,955 3	68,820 3	79,686 3	
3 1/4	3,890 3 1/4	14,756 3 1/4	25,609 3 1/4	36,450 3 1/4	47,315 3 1/4	58,181 3 1/4	69,047 3 1/4	79,912 3 1/4	
3 1/2	4,116 3 1/2	14,983 3 1/2	25,834 3 1/2	36,676 3 1/2	47,542 3 1/2	58,407 3 1/2	69,273 3 1/2	80,138 3 1/2	
3 3/4	4,342 3 3/4	15,209 3 3/4	26,060 3 3/4	36,903 3 3/4	47,768 3 3/4	58,634 3 3/4	69,499 3 3/4	80,365 3 3/4	
4	4,569 4	15,436 4	26,286 4	37,129 4	47,995 4	58,860 4	69,726 4	80,591 4	
4 1/4	4,795 4 1/4	15,662 4 1/4	26,511 4 1/4	37,355 4 1/4	48,221 4 1/4	59,086 4 1/4	69,952 4 1/4	80,817 4 1/4	
4 1/2	5,022 4 1/2	15,888 4 1/2	26,737 4 1/2	37,582 4 1/2	48,447 4 1/2	59,313 4 1/2	70,178 4 1/2	81,044 4 1/2	
4 3/4	5,248 4 3/4	16,115 4 3/4	26,962 4 3/4	37,808 4 3/4	48,674 4 3/4	59,539 4 3/4	70,405 4 3/4	81,270 4 3/4	
5	5,475 5	16,341 5	27,188 5	38,035 5	48,900 5	59,766 5	70,631 5	81,497 5	
5 1/4	5,701 5 1/4	16,567 5 1/4	27,413 5 1/4	38,261 5 1/4	49,126 5 1/4	59,992 5 1/4	70,857 5 1/4	81,723 5 1/4	
5 1/2	5,928 5 1/2	16,794 5 1/2	27,639 5 1/2	38,487 5 1/2	49,353 5 1/2	60,218 5 1/2	71,084 5 1/2	81,949 5 1/2	
5 3/4	6,154 5 3/4	17,020 5 3/4	27,865 5 3/4	38,714 5 3/4	49,579 5 3/4	60,445 5 3/4	71,310 5 3/4	82,176 5 3/4	
6	6,380 6	17,247 6	28,090 6	38,940 6	49,805 6	60,671 6	71,537 6	82,402 6	
6 1/4	6,607 6 1/4	17,473 6 1/4	28,316 6 1/4	39,166 6 1/4	50,032 6 1/4	60,897 6 1/4	71,763 6 1/4	82,628 6 1/4	
6 1/2	6,833 6 1/2	17,699 6 1/2	28,541 6 1/2	39,393 6 1/2	50,258 6 1/2	61,124 6 1/2	71,989 6 1/2	82,854 6 1/2	
6 3/4	7,060 6 3/4	17,926 6 3/4	28,767 6 3/4	39,619 6 3/4	50,485 6 3/4	61,350 6 3/4	72,216 6 3/4	83,081 6 3/4	
7	7,286 7	18,152 7	28,993 7	39,845 7	50,711 7	61,576 7	72,442 7	83,307 7	
7 1/4	7,512 7 1/4	18,378 7 1/4	29,218 7 1/4	40,072 7 1/4	50,937 7 1/4	61,803 7 1/4	72,668 7 1/4	83,534 7 1/4	
7 1/2	7,739 7 1/2	18,605 7 1/2	29,444 7 1/2	40,298 7 1/2	51,164 7 1/2	62,029 7 1/2	72,895 7 1/2	83,760 7 1/2	
7 3/4	7,965 7 3/4	18,831 7 3/4	29,669 7 3/4	40,525 7 3/4	51,390 7 3/4	62,256 7 3/4	73,121 7 3/4	83,987 7 3/4	
8	8,191 8	19,058 8	29,895 8	40,751 8	51,616 8	62,482 8	73,347 8	84,213 8	
8 1/4	8,418 8 1/4	19,284 8 1/4	30,120 8 1/4	40,977 8 1/4	51,843 8 1/4	62,708 8 1/4	73,574 8 1/4	84,439 8 1/4	
8 1/2	8,644 8 1/2	19,510 8 1/2	30,346 8 1/2	41,204 8 1/2	52,069 8 1/2	62,935 8 1/2	73,800 8 1/2	84,666 8 1/2	
8 3/4	8,871 8 3/4	19,737 8 3/4	30,572 8 3/4	41,430 8 3/4	52,296 8 3/4	63,161 8 3/4	74,027 8 3/4	84,892 8 3/4	
9	9,097 9	19,963 9	30,797 9	41,656 9	52,522 9	63,387 9	74,253 9	85,118 9	
9 1/4	9,323 9 1/4	20,189 9 1/4	31,023 9 1/4	41,883 9 1/4	52,748 9 1/4	63,614 9 1/4	74,479 9 1/4	85,345 9 1/4	
9 1/2	9,550 9 1/2	20,416 9 1/2	31,248 9 1/2	42,109 9 1/2	52,975 9 1/2	63,840 9 1/2	74,706 9 1/2	85,571 9 1/2	
9 3/4	9,776 9 3/4	20,642 9 3/4	31,474 9 3/4	42,335 9 3/4	53,201 9 3/4	64,066 9 3/4	74,932 9 3/4	85,798 9 3/4	
10	10,002 10	20,869 10	31,699 10	42,562 10	53,427 10	64,293 10	75,158 10	86,024 10	
10 1/4	10,229 10 1/4	21,095 10 1/4	31,925 10 1/4	42,788 10 1/4	53,654 10 1/4	64,519 10 1/4	75,385 10 1/4	86,250 10 1/4	
10 1/2	10,455 10 1/2	21,321 10 1/2	32,151 10 1/2	43,015 10 1/2	53,880 10 1/2	64,746 10 1/2	75,611 10 1/2	86,477 10 1/2	
10 3/4	10,682 10 3/4	21,548 10 3/4	32,376 10 3/4	43,241 10 3/4	54,106 10 3/4	64,972 10 3/4	75,837 10 3/4	86,703 10 3/4	
11	10,908 11	21,774 11	32,602 11	43,467 11	54,333 11	65,198 11	76,064 11	86,929 11	
11 1/4	11,134 11 1/4	22,000 11 1/4	32,828 11 1/4	43,694 11 1/4	54,559 11 1/4	65,425 11 1/4	76,290 11 1/4	87,156 11 1/4	
11 1/2	11,361 11 1/2	22,225 11 1/2	33,054 11 1/2	43,920 11 1/2	54,786 11 1/2	65,651 11 1/2	76,517 11 1/2	87,382 11 1/2	
11 3/4	11,587 11 3/4	22,451 11 3/4	33,281 11 3/4	44,146 11 3/4	55,012 11 3/4	65,877 11 3/4	76,743 11 3/4	87,608 11 3/4	

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 14-10 1/2" (TO TOP OF BALL VALVE HATCH)

STRAPPED: 11/12/91

*CAPACITY BELOW STRIKE POINT
 WE CERTIFY ALL MEASUREMENTS, N) COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

Martin