

BARGE "IB-1010"

INGRAM OHIO BARGE LINES

COMPANY OF

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

HULL NO. 1579

IN.	0 FEET	1 FEET	2 FEET	3 FEET	4 FEET	5 FEET	6 FEET	7 FEET	FEET
0	788	12,767	24,745	36,724	48,702	60,681	72,659	84,637	CONTINUED ON
1/4	1,038	13,016	24,995	36,973	48,952	60,930	72,909	84,887	SHEET NO. 2
1/2	1,287	13,266	25,244	37,223	49,201	61,180	73,158	85,137	
3/4	1,537	13,512	25,494	37,472	49,451	61,429	73,408	85,387	
1	1,786	13,765	25,743	37,722	49,700	61,679	73,657	85,637	
1 1/4	2,036	14,014	25,993	37,971	49,950	61,928	73,907	85,887	
1 1/2	2,285	14,264	26,242	38,221	50,199	62,178	74,157	86,137	
1 3/4	2,532	14,513	26,492	38,470	50,448	62,428	74,406	86,387	
2	2,784	14,763	26,741	38,720	50,698	62,677	74,656	86,637	
2 1/4	3,034	15,012	26,991	38,970	50,948	62,927	74,905	86,887	
2 1/2	3,284	15,262	27,241	39,219	51,198	63,176	75,155	87,137	
2 3/4	3,533	15,512	27,490	39,468	51,447	63,426	75,404	87,387	
3	3,783	15,761	27,740	39,718	51,697	63,675	75,654	87,637	
3 1/4	4,032	16,011	27,989	40,217	51,946	63,925	75,903	87,887	
3 1/2	4,282	16,260	28,239	40,467	52,196	64,174	76,153	88,137	
3 3/4	4,531	16,510	28,488	40,716	52,445	64,424	76,403	88,387	
4	4,781	16,759	28,738	40,966	52,695	64,674	76,652	88,637	
4 1/4	5,030	17,009	28,987	41,216	52,945	64,923	76,902	88,887	
4 1/2	5,280	17,258	29,237	41,465	53,194	65,173	77,151	89,137	
4 3/4	5,529	17,508	29,487	41,715	53,444	65,422	77,401	89,387	
5	5,779	17,758	29,736	41,964	53,693	65,672	77,650	89,637	
5 1/4	6,029	18,007	29,986	42,214	53,943	65,921	77,900	89,887	
5 1/2	6,278	18,257	30,235	42,463	54,192	66,171	78,149	90,137	
5 3/4	6,528	18,506	30,485	42,713	54,442	66,420	78,398	90,387	
6	6,777	18,756	30,734	42,962	54,691	66,670	78,648	90,637	
6 1/4	7,027	19,005	30,984	43,212	54,941	66,920	78,897	90,887	
6 1/2	7,276	19,255	31,233	43,462	55,191	67,169	79,148	91,137	
6 3/4	7,526	19,504	31,483	43,711	55,440	67,419	79,397	91,387	
7	7,775	19,754	31,733	43,961	55,690	67,668	79,647	91,637	
7 1/4	8,025	20,004	31,982	44,210	55,939	67,918	79,896	91,887	
7 1/2	8,275	20,253	32,232	44,460	56,189	68,167	80,146	92,137	
7 3/4	8,524	20,503	32,481	44,709	56,438	68,417	80,395	92,387	
8	8,774	20,752	32,731	44,959	56,688	68,666	80,645	92,637	
8 1/4	9,023	21,002	32,980	45,208	56,937	68,916	80,894	92,887	
8 1/2	9,273	21,251	33,230	45,458	57,187	69,165	81,144	93,137	
8 3/4	9,522	21,501	33,479	45,708	57,437	69,415	81,394	93,387	
9	9,772	21,750	33,729	45,957	57,686	69,665	81,643	93,637	
9 1/4	10,021	22,000	33,979	46,207	57,936	69,914	81,893	93,887	
9 1/2	10,271	22,250	34,228	46,456	58,185	70,164	82,142	94,137	
9 3/4	10,521	22,499	34,477	46,706	58,435	70,413	82,392	94,387	
10	10,770	22,749	34,727	46,955	58,684	70,663	82,641	94,637	
10 1/4	11,020	22,998	34,977	47,205	58,934	70,912	82,891	94,887	
10 1/2	11,269	23,248	35,226	47,454	59,183	71,162	83,140	95,137	
10 3/4	11,519	23,497	35,476	47,704	59,433	71,411	83,390	95,387	
11	11,768	23,747	35,725	47,953	59,682	71,661	83,640	95,637	
11 1/4	12,018	23,996	35,975	48,203	59,932	71,911	83,889	95,887	
11 1/2	12,267	24,246	36,224	48,453	60,182	72,160	84,139	96,137	
11 3/4	12,517	24,496	36,474	48,702	60,431	72,410	84,388	96,387	

CAPACITY IN U.S. GALLONS
*CAPACITY BELOW STRIKE POINT.

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

STRAPPED: 9/7/91
WE CERTIFY ALL MEASUREMENTS AND CALCULATIONS ARE IN ACCORDANCE WITH APPLICABLE API SPECIFICATIONS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

CHAS. MARTIN CORP. J. TOM

BARGE "IB-1010"

INGRAM OHIO BARGE LINES

COMPANY OF INGLETON

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

HULL NO. 1579

IN.	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	13 FEET	14 FEET	FEET	FEET
0	96,818	106,595	120,573	132,450	143,974	155,130	162,213	0	0
1/4	96,866	106,844	120,823	132,693	144,209	155,358	162,458	1/4	1/4
1/2	97,115	109,094	121,073	132,937	144,444	155,507	162,599	1/2	1/2
3/4	97,365	109,344	121,322	133,180	144,680	155,655	162,741	3/4	3/4
1	97,615	109,593	121,572	133,423	144,915	155,803	162,883	1	1
1 1/4	97,864	109,843	121,821	133,666	145,151	155,951	163,025	1 1/4	1 1/4
1 1/2	98,114	110,092	122,071	133,909	145,399	156,199	163,167	1 1/2	1 1/2
1 3/4	98,363	110,342	122,320	134,152	145,642	156,442	163,309	1 3/4	1 3/4
2	98,613	110,591	122,570	134,395	145,885	156,685	163,451	2	2
2 1/4	98,862	110,841	122,819	134,638	146,128	156,928	163,593	2 1/4	2 1/4
2 1/2	99,112	111,090	123,069	134,882	146,370	157,170	163,735	2 1/2	2 1/2
2 3/4	99,361	111,340	123,318	135,125	146,613	157,413	163,877	2 3/4	2 3/4
3	99,611	111,590	123,568	135,368	146,855	157,655	164,019	3	3
3 1/4	99,861	111,839	123,818	135,611	147,097	157,897	164,161	3 1/4	3 1/4
3 1/2	100,110	112,089	124,068	135,854	147,339	158,139	164,303	3 1/2	3 1/2
3 3/4	100,360	112,338	124,318	136,097	147,581	158,381	164,445	3 3/4	3 3/4
4	100,609	112,588	124,567	136,340	147,823	158,623	164,587	4	4
4 1/4	100,859	112,837	124,817	136,583	148,065	158,865	164,729	4 1/4	4 1/4
4 1/2	101,108	113,087	125,067	136,826	148,307	159,107	164,871	4 1/2	4 1/2
4 3/4	101,358	113,336	125,317	137,069	148,549	159,349	165,013	4 3/4	4 3/4
5	101,607	113,586	125,567	137,312	148,791	159,591	165,155	5	5
5 1/4	101,857	113,835	125,817	137,555	149,033	159,833	165,297	5 1/4	5 1/4
5 1/2	102,106	114,085	126,067	137,798	149,275	160,075	165,439	5 1/2	5 1/2
5 3/4	102,356	114,335	126,317	138,041	149,517	160,317	165,581	5 3/4	5 3/4
6	102,606	114,584	126,567	138,284	149,759	160,559	165,723	6	6
6 1/4	102,855	114,834	126,817	138,527	150,001	160,801	165,865	6 1/4	6 1/4
6 1/2	103,105	115,083	127,067	138,770	150,243	161,043	166,007	6 1/2	6 1/2
6 3/4	103,354	115,333	127,317	139,013	150,485	161,285	166,149	6 3/4	6 3/4
7	103,604	115,582	127,567	139,256	150,727	161,527	166,291	7	7
7 1/4	103,853	115,832	127,817	139,500	150,969	161,769	166,433	7 1/4	7 1/4
7 1/2	104,103	116,081	128,067	139,743	151,211	162,011	166,575	7 1/2	7 1/2
7 3/4	104,352	116,331	128,317	140,000	151,453	162,253	166,717	7 3/4	7 3/4
8	104,602	116,581	128,567	140,243	151,695	162,495	166,859	8	8
8 1/4	104,852	116,830	128,817	140,486	151,937	162,737	167,001	8 1/4	8 1/4
8 1/2	105,101	117,080	129,067	140,729	152,179	162,979	167,143	8 1/2	8 1/2
8 3/4	105,351	117,329	129,317	140,972	152,421	163,221	167,285	8 3/4	8 3/4
9	105,600	117,579	129,567	141,215	152,663	163,463	167,427	9	9
9 1/4	105,850	117,828	129,817	141,458	152,905	163,705	167,569	9 1/4	9 1/4
9 1/2	106,099	118,078	130,067	141,701	153,147	163,947	167,711	9 1/2	9 1/2
9 3/4	106,349	118,327	130,317	141,944	153,389	164,189	167,853	9 3/4	9 3/4
10	106,598	118,577	130,567	142,187	153,631	164,431	168,000	10	10
10 1/4	106,848	118,827	130,817	142,430	153,873	164,673	168,142	10 1/4	10 1/4
10 1/2	107,098	119,076	131,067	142,673	154,115	164,915	168,284	10 1/2	10 1/2
10 3/4	107,347	119,326	131,317	142,916	154,357	165,157	168,426	10 3/4	10 3/4
11	107,597	119,575	131,567	143,159	154,599	165,399	168,568	11	11
11 1/4	107,846	119,825	131,817	143,402	154,841	165,641	168,710	11 1/4	11 1/4
11 1/2	108,096	120,074	132,067	143,645	155,083	165,883	168,852	11 1/2	11 1/2
11 3/4	108,345	120,324	132,317	143,888	155,325	166,125	169,000	11 3/4	11 3/4

CAPACITY IN: U.S. GALLONS

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

STRAPPED: 9/11/11

CHAS. MARTIN CORPORATION

Chas. MARTIN

A
COMPANY OF



BARGE "IB-1010"

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 COMPANY, INC.

BY: D. SAUER

DATE: 9/7/91

BARGE "IB-1010"

SHEET NO 1 OF 2
TANK NUM ER
1

HULL NO. 1529

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET	
IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
0	491	0	11,526	0	22,161	0	32,939	0	43,793	0	54,627	0	65,461	0	76,295	0	87,129
1/4	717	0	11,594	1/4	22,306	1/4	33,185	1/4	44,019	1/4	54,893	1/4	65,767	1/4	76,641	1/4	87,515
1/2	943	1/4	11,779	1/2	22,611	1/2	33,410	1/2	44,244	1/2	55,079	1/2	65,913	1/2	76,747	1/2	87,581
3/4	1,160	3/4	12,005	3/4	22,836	3/4	33,636	3/4	44,470	3/4	55,304	3/4	66,138	3/4	76,972	3/4	87,806
1	1,394	1	12,231	1	23,061	1	33,861	1	44,696	1	55,530	1	66,364	1	77,198	1	88,032
1 1/4	1,620	1 1/4	12,457	1 1/4	23,286	1 1/4	34,087	1 1/4	44,922	1 1/4	55,756	1 1/4	66,590	1 1/4	77,424	1 1/4	88,258
1 1/2	1,846	1 1/2	12,682	1 1/2	23,511	1 1/2	34,313	1 1/2	45,147	1 1/2	55,981	1 1/2	66,815	1 1/2	77,653	1 1/2	88,492
1 3/4	2,072	1 3/4	12,908	1 3/4	23,736	1 3/4	34,539	1 3/4	45,372	1 3/4	56,207	1 3/4	67,041	1 3/4	77,885	1 3/4	88,736
2	2,298	2	13,134	2	23,960	2	34,765	2	45,599	2	56,433	2	67,267	2	78,111	2	88,980
2 1/4	2,523	2 1/4	13,359	2 1/4	24,185	2 1/4	34,990	2 1/4	45,824	2 1/4	56,658	2 1/4	67,492	2 1/4	78,335	2 1/4	89,224
2 1/2	2,749	2 1/2	13,585	2 1/2	24,410	2 1/2	35,216	2 1/2	46,050	2 1/2	56,884	2 1/2	67,718	2 1/2	78,559	2 1/2	89,468
2 3/4	2,975	2 3/4	13,811	2 3/4	24,635	2 3/4	35,442	2 3/4	46,276	2 3/4	57,110	2 3/4	67,944	2 3/4	78,783	2 3/4	89,712
3	3,201	3	14,037	3	24,860	3	35,667	3	46,502	3	57,336	3	68,170	3	79,007	3	90,000
3 1/4	3,427	3 1/4	14,262	3 1/4	25,085	3 1/4	35,893	3 1/4	46,727	3 1/4	57,561	3 1/4	68,395	3 1/4	79,231	3 1/4	90,244
3 1/2	3,653	3 1/2	14,488	3 1/2	25,310	3 1/2	36,119	3 1/2	46,953	3 1/2	57,787	3 1/2	68,621	3 1/2	79,455	3 1/2	90,488
3 3/4	3,878	3 3/4	14,714	3 3/4	25,535	3 3/4	36,345	3 3/4	47,179	3 3/4	58,013	3 3/4	68,847	3 3/4	79,679	3 3/4	90,732
4	4,104	4	14,940	4	25,760	4	36,570	4	47,404	4	58,238	4	69,073	4	79,903	4	90,976
4 1/4	4,330	4 1/4	15,165	4 1/4	25,985	4 1/4	36,796	4 1/4	47,630	4 1/4	58,464	4 1/4	69,299	4 1/4	80,127	4 1/4	91,220
4 1/2	4,556	4 1/2	15,391	4 1/2	26,210	4 1/2	37,022	4 1/2	47,856	4 1/2	58,690	4 1/2	69,524	4 1/2	80,352	4 1/2	91,464
4 3/4	4,782	4 3/4	15,617	4 3/4	26,435	4 3/4	37,247	4 3/4	48,082	4 3/4	58,916	4 3/4	69,750	4 3/4	80,578	4 3/4	91,708
5	5,008	5	15,842	5	26,660	5	37,473	5	48,307	5	59,141	5	70,003	5	80,803	5	91,952
5 1/4	5,233	5 1/4	16,068	5 1/4	26,884	5 1/4	37,699	5 1/4	48,533	5 1/4	59,367	5 1/4	70,229	5 1/4	81,027	5 1/4	92,196
5 1/2	5,459	5 1/2	16,294	5 1/2	27,109	5 1/2	37,925	5 1/2	48,759	5 1/2	59,593	5 1/2	70,454	5 1/2	81,252	5 1/2	92,440
5 3/4	5,685	5 3/4	16,520	5 3/4	27,334	5 3/4	38,150	5 3/4	48,984	5 3/4	59,818	5 3/4	70,680	5 3/4	81,478	5 3/4	92,684
6	5,911	6	16,745	6	27,559	6	38,376	6	49,210	6	60,044	6	70,905	6	81,703	6	92,928
6 1/4	6,136	6 1/4	16,971	6 1/4	27,784	6 1/4	38,602	6 1/4	49,436	6 1/4	60,270	6 1/4	71,130	6 1/4	81,929	6 1/4	93,172
6 1/2	6,362	6 1/2	17,197	6 1/2	28,009	6 1/2	38,827	6 1/2	49,661	6 1/2	60,496	6 1/2	71,355	6 1/2	82,154	6 1/2	93,416
6 3/4	6,588	6 3/4	17,422	6 3/4	28,234	6 3/4	39,053	6 3/4	49,887	6 3/4	60,721	6 3/4	71,580	6 3/4	82,379	6 3/4	93,660
7	6,813	7	17,648	7	28,459	7	39,279	7	50,113	7	60,947	7	71,805	7	82,604	7	93,904
7 1/4	7,039	7 1/4	17,874	7 1/4	28,684	7 1/4	39,505	7 1/4	50,339	7 1/4	61,173	7 1/4	72,030	7 1/4	82,829	7 1/4	94,148
7 1/2	7,265	7 1/2	18,100	7 1/2	28,909	7 1/2	39,730	7 1/2	50,564	7 1/2	61,398	7 1/2	72,255	7 1/2	83,054	7 1/2	94,392
7 3/4	7,491	7 3/4	18,325	7 3/4	29,134	7 3/4	39,956	7 3/4	50,789	7 3/4	61,624	7 3/4	72,480	7 3/4	83,279	7 3/4	94,636
8	7,716	8	18,551	8	29,359	8	40,182	8	51,016	8	61,850	8	72,705	8	83,504	8	94,880
8 1/4	7,942	8 1/4	18,777	8 1/4	29,584	8 1/4	40,407	8 1/4	51,241	8 1/4	62,076	8 1/4	72,930	8 1/4	83,729	8 1/4	95,124
8 1/2	8,168	8 1/2	19,003	8 1/2	29,808	8 1/2	40,633	8 1/2	51,467	8 1/2	62,301	8 1/2	73,155	8 1/2	83,954	8 1/2	95,368
8 3/4	8,394	8 3/4	19,228	8 3/4	30,033	8 3/4	40,859	8 3/4	51,692	8 3/4	62,527	8 3/4	73,380	8 3/4	84,179	8 3/4	95,612
9	8,619	9	19,454	9	30,258	9	41,085	9	51,919	9	62,752	9	73,605	9	84,404	9	95,856
9 1/4	8,845	9 1/4	19,680	9 1/4	30,483	9 1/4	41,310	9 1/4	52,144	9 1/4	62,978	9 1/4	73,830	9 1/4	84,629	9 1/4	96,100
9 1/2	9,071	9 1/2	19,905	9 1/2	30,708	9 1/2	41,536	9 1/2	52,370	9 1/2	63,204	9 1/2	74,055	9 1/2	84,854	9 1/2	96,344
9 3/4	9,296	9 3/4	20,131	9 3/4	30,933	9 3/4	41,762	9 3/4	52,596	9 3/4	63,429	9 3/4	74,280	9 3/4	85,079	9 3/4	96,588
10	9,522	10	20,357	10	31,158	10	41,987	10	52,821	10	63,655	10	74,505	10	85,304	10	96,832
10 1/4	9,748	10 1/4	20,583	10 1/4	31,383	10 1/4	42,213	10 1/4	53,047	10 1/4	63,881	10 1/4	74,730	10 1/4	85,529	10 1/4	97,076
10 1/2	9,974	10 1/2	20,808	10 1/2	31,608	10 1/2	42,439	10 1/2	53,273	10 1/2	64,107	10 1/2	74,955	10 1/2	85,754	10 1/2	97,320
10 3/4	10,199	10 3/4	21,034	10 3/4	31,833	10 3/4	42,664	10 3/4	53,499	10 3/4	64,333	10 3/4	75,180	10 3/4	85,979	10 3/4	97,564
11	10,425	11	21,260	11	32,058	11	42,890	11	53,724	11	64,558	11	75,405	11	86,204	11	97,808
11 1/4	10,651	11 1/4	21,485	11 1/4	32,283	11 1/4	43,116	11 1/4	53,946	11 1/4	64,784	11 1/4	75,630	11 1/4	86,429	11 1/4	98,052
11 1/2	10,877	11 1/2	21,711	11 1/2	32,508	11 1/2	43,342	11 1/2	54,170	11 1/2	65,010	11 1/2	75,855	11 1/2	86,654	11 1/2	98,296
11 3/4	11,102	11 3/4	21,936	11 3/4	32,733	11 3/4	43,567	11 3/4	54,395	11 3/4	65,235	11 3/4	76,080	11 3/4	86,879	11 3/4	98,540

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 15'-1 1/4" (TO TOP OF BALL VALVE HATCH).

*CAPACITY BELOW STRIKE POINT.

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

CHAS. MARTIN CORP. OPERATION

BARGE "B-1010"

INGRAM OHIO BARGE LINES

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

HULL NO. 1579

IN.	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	13 FEET	14 FEET	FEET	FEET
0	87,129	0	0	108,798	0	127,744	0	137,217	0
1/4	87,335	1/4	1/4	100,995	1/4	118,466	1/4	127,941	1/4
1/2	87,561	1/2	1/2	109,192	1/2	118,666	1/2	128,139	1/2
3/4	87,806	3/4	3/4	109,390	3/4	118,863	3/4	128,336	3/4
1	88,032	1	1	109,587	1	119,060	1	128,534	1
1 1/4	88,238	1 1/4	1 1/4	109,785	1 1/4	119,258	1 1/4	128,731	1 1/4
1 1/2	88,484	1 1/2	1 1/2	109,982	1 1/2	119,455	1 1/2	128,928	1 1/2
1 3/4	88,709	1 3/4	1 3/4	110,179	1 3/4	119,652	1 3/4	129,126	1 3/4
2	88,935	2	2	110,377	2	119,850	2	129,323	2
2 1/4	89,161	2 1/4	2 1/4	110,574	2 1/4	120,047	2 1/4	129,520	2 1/4
2 1/2	89,386	2 1/2	2 1/2	110,771	2 1/2	120,244	2 1/2	129,718	2 1/2
2 3/4	89,612	2 3/4	2 3/4	110,969	2 3/4	120,442	2 3/4	129,915	2 3/4
3	89,838	3	3	111,166	3	120,639	3	130,112	3
3 1/4	90,064	3 1/4	3 1/4	111,363	3 1/4	120,837	3 1/4	130,310	3 1/4
3 1/2	90,289	3 1/2	3 1/2	111,561	3 1/2	121,034	3 1/2	130,507	3 1/2
3 3/4	90,515	3 3/4	3 3/4	111,758	3 3/4	121,231	3 3/4	130,704	3 3/4
4	90,741	4	4	111,955	4	121,429	4	130,902	4
4 1/4	90,966	4 1/4	4 1/4	112,153	4 1/4	121,626	4 1/4	131,099	4 1/4
4 1/2	91,192	4 1/2	4 1/2	112,350	4 1/2	121,823	4 1/2	131,297	4 1/2
4 3/4	91,418	4 3/4	4 3/4	112,548	4 3/4	122,021	4 3/4	131,494	4 3/4
5	91,644	5	5	112,745	5	122,218	5	131,691	5
5 1/4	91,869	5 1/4	5 1/4	112,942	5 1/4	122,415	5 1/4	131,889	5 1/4
5 1/2	92,095	5 1/2	5 1/2	113,140	5 1/2	122,613	5 1/2	132,086	5 1/2
5 3/4	92,321	5 3/4	5 3/4	113,337	5 3/4	122,810	5 3/4	132,283	5 3/4
6	92,546	6	6	113,534	6	123,008	6	132,481	6
6 1/4	92,772	6 1/4	6 1/4	113,732	6 1/4	123,205	6 1/4	132,678	6 1/4
6 1/2	92,998	6 1/2	6 1/2	113,929	6 1/2	123,402	6 1/2	132,875	6 1/2
6 3/4	93,224	6 3/4	6 3/4	114,126	6 3/4	123,600	6 3/4	133,073	6 3/4
7	93,449	7	7	114,324	7	123,797	7	133,270	7
7 1/4	93,675	7 1/4	7 1/4	114,521	7 1/4	123,994	7 1/4	133,467	7 1/4
7 1/2	93,901	7 1/2	7 1/2	114,718	7 1/2	124,192	7 1/2	133,665	7 1/2
7 3/4	94,126	7 3/4	7 3/4	114,916	7 3/4	124,389	7 3/4	133,862	7 3/4
8	94,352	8	8	115,113	8	124,586	8	134,060	8
8 1/4	94,578	8 1/4	8 1/4	115,311	8 1/4	124,784	8 1/4	134,257	8 1/4
8 1/2	94,803	8 1/2	8 1/2	115,508	8 1/2	124,981	8 1/2	134,454	8 1/2
8 3/4	95,029	8 3/4	8 3/4	115,705	8 3/4	125,178	8 3/4	134,652	8 3/4
9	95,255	9	9	115,903	9	125,376	9	134,849	9
9 1/4	95,481	9 1/4	9 1/4	116,100	9 1/4	125,573	9 1/4	135,046	9 1/4
9 1/2	95,706	9 1/2	9 1/2	116,297	9 1/2	125,771	9 1/2	135,244	9 1/2
9 3/4	95,932	9 3/4	9 3/4	116,495	9 3/4	125,968	9 3/4	135,441	9 3/4
10	96,158	10	10	116,692	10	126,165	10	135,638	10
10 1/4	96,383	10 1/4	10 1/4	116,889	10 1/4	126,363	10 1/4	135,836	10 1/4
10 1/2	96,609	10 1/2	10 1/2	117,087	10 1/2	126,560	10 1/2	136,033	10 1/2
10 3/4	96,835	10 3/4	10 3/4	117,284	10 3/4	126,757	10 3/4	136,230	10 3/4
11	97,061	11	11	117,481	11	126,955	11	136,428	11
11 1/4	97,286	11 1/4	11 1/4	117,679	11 1/4	127,152	11 1/4	136,625	11 1/4
11 1/2	97,512	11 1/2	11 1/2	117,876	11 1/2	127,349	11 1/2	136,823	11 1/2
11 3/4	97,738	11 3/4	11 3/4	118,074	11 3/4	127,547	11 3/4	137,020	11 3/4

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 15'-1 1/4" (TO TOP OF BALL VALVE MATH).

SHIPPED: 9/17/79.

Chas. Martin Corporation

BARGE "IB-1010"

INGRAM OHIO BARGE LINES

COMPANY OF INVESTIGATIVE

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

HULL NO. 1579

IN.	0 FEET	1 FEET	2 FEET	3 FEET	4 FEET	5 FEET	6 FEET	7 FEET	IN.	FEET
0	495	0	0	0	0	0	0	0	0	CONTINUED ON SHEET NO. 2
1/4	722	1/4	11,425	11,652	11,880	12,108	12,335	12,563	12,791	76,910
1/2	950	1/2	11,652	11,880	12,108	12,335	12,563	12,791	13,018	77,138
3/4	1,178	3/4	12,108	12,335	12,563	12,791	13,018	13,246	13,474	77,366
1	1,406	1	12,335	12,563	12,791	13,018	13,246	13,474	13,702	77,594
1 1/4	1,633	1 1/4	12,563	12,791	13,018	13,246	13,474	13,702	13,930	77,822
1 1/2	1,861	1 1/2	12,791	13,018	13,246	13,474	13,702	13,930	14,157	78,050
1 3/4	2,089	1 3/4	13,018	13,246	13,474	13,702	13,930	14,157	14,385	78,278
2	2,316	2	13,246	13,474	13,702	13,930	14,157	14,385	14,612	78,506
2 1/4	2,544	2 1/4	13,474	13,702	13,930	14,157	14,385	14,612	14,840	78,734
2 1/2	2,772	2 1/2	13,702	13,930	14,157	14,385	14,612	14,840	15,068	78,962
2 3/4	2,999	2 3/4	13,930	14,157	14,385	14,612	14,840	15,068	15,295	79,190
3	3,227	3	14,157	14,385	14,612	14,840	15,068	15,295	15,523	79,418
3 1/4	3,455	3 1/4	14,385	14,612	14,840	15,068	15,295	15,523	15,751	79,646
3 1/2	3,683	3 1/2	14,612	14,840	15,068	15,295	15,523	15,751	15,979	79,874
3 3/4	3,910	3 3/4	14,840	15,068	15,295	15,523	15,751	15,979	16,206	80,102
4	4,138	4	15,068	15,295	15,523	15,751	15,979	16,206	16,434	80,330
4 1/4	4,366	4 1/4	15,295	15,523	15,751	15,979	16,206	16,434	16,662	80,558
4 1/2	4,593	4 1/2	15,523	15,751	15,979	16,206	16,434	16,662	16,890	80,786
4 3/4	4,821	4 3/4	15,751	15,979	16,206	16,434	16,662	16,890	17,117	81,014
5	5,049	5	15,979	16,206	16,434	16,662	16,890	17,117	17,345	81,242
5 1/4	5,277	5 1/4	16,206	16,434	16,662	16,890	17,117	17,345	17,573	81,470
5 1/2	5,504	5 1/2	16,434	16,662	16,890	17,117	17,345	17,573	17,801	81,698
5 3/4	5,732	5 3/4	16,662	16,890	17,117	17,345	17,573	17,801	18,029	81,926
6	5,960	6	16,890	17,117	17,345	17,573	17,801	18,029	18,257	82,154
6 1/4	6,187	6 1/4	17,117	17,345	17,573	17,801	18,029	18,257	18,485	82,382
6 1/2	6,415	6 1/2	17,345	17,573	17,801	18,029	18,257	18,485	18,713	82,610
6 3/4	6,643	6 3/4	17,573	17,801	18,029	18,257	18,485	18,713	18,941	82,838
7	6,870	7	17,801	18,029	18,257	18,485	18,713	18,941	19,169	83,066
7 1/4	7,098	7 1/4	18,029	18,257	18,485	18,713	18,941	19,169	19,397	83,294
7 1/2	7,326	7 1/2	18,257	18,485	18,713	18,941	19,169	19,397	19,625	83,522
7 3/4	7,554	7 3/4	18,485	18,713	18,941	19,169	19,397	19,625	19,853	83,750
8	7,781	8	18,713	18,941	19,169	19,397	19,625	19,853	20,081	83,978
8 1/4	8,009	8 1/4	18,941	19,169	19,397	19,625	19,853	20,081	20,309	84,206
8 1/2	8,237	8 1/2	19,169	19,397	19,625	19,853	20,081	20,309	20,537	84,434
8 3/4	8,464	8 3/4	19,397	19,625	19,853	20,081	20,309	20,537	20,765	84,662
9	8,692	9	19,625	19,853	20,081	20,309	20,537	20,765	20,993	84,890
9 1/4	8,920	9 1/4	19,853	20,081	20,309	20,537	20,765	20,993	21,221	85,118
9 1/2	9,147	9 1/2	20,081	20,309	20,537	20,765	20,993	21,221	21,449	85,346
9 3/4	9,375	9 3/4	20,309	20,537	20,765	20,993	21,221	21,449	21,677	85,574
10	9,603	10	20,537	20,765	20,993	21,221	21,449	21,677	21,905	85,802
10 1/4	9,831	10 1/4	20,765	20,993	21,221	21,449	21,677	21,905	22,133	86,030
10 1/2	10,058	10 1/2	20,993	21,221	21,449	21,677	21,905	22,133	22,361	86,258
10 3/4	10,286	10 3/4	21,221	21,449	21,677	21,905	22,133	22,361	22,589	86,486
11	10,514	11	21,449	21,677	21,905	22,133	22,361	22,589	22,817	86,714
11 1/4	10,741	11 1/4	21,677	21,905	22,133	22,361	22,589	22,817	23,045	86,942
11 1/2	10,969	11 1/2	21,905	22,133	22,361	22,589	22,817	23,045	23,273	87,170
11 3/4	11,197	11 3/4	22,133	22,361	22,589	22,817	23,045	23,273	23,501	87,398

CAPACITY IN: U.S. GALLONS
*CAPACITY BELOW STRIKE POINT.

GAUGE HEIGHT: 15'-0 1/2" (TO TOP OF BALL VALVE HATCH).

STRAPPED: 9/1/91

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

CHAS. MARTIN COMPANY

BARGE "IB-1010"
 INGRAM OHIO BARGE LINES

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN
 HULL NO. 1579

	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	13 FEET	14 FEET	FEET	FEET
IN.	0	0	0	0	0	0	0	0	0
0	87,890	88,117	88,345	88,573	88,800	89,028	89,256	89,484	89,711
1/4	88,117	88,345	88,573	88,800	89,028	89,256	89,484	89,711	89,939
1/2	88,345	88,573	88,800	89,028	89,256	89,484	89,711	89,939	90,167
3/4	88,573	88,800	89,028	89,256	89,484	89,711	89,939	90,167	90,394
1	88,800	89,028	89,256	89,484	89,711	89,939	90,167	90,394	90,622
1 1/4	89,028	89,256	89,484	89,711	89,939	90,167	90,394	90,622	90,850
1 1/2	89,256	89,484	89,711	89,939	90,167	90,394	90,622	90,850	91,078
1 3/4	89,484	89,711	89,939	90,167	90,394	90,622	90,850	91,078	91,305
2	89,711	89,939	90,167	90,394	90,622	90,850	91,078	91,305	91,533
2 1/4	89,939	90,167	90,394	90,622	90,850	91,078	91,305	91,533	91,761
2 1/2	90,167	90,394	90,622	90,850	91,078	91,305	91,533	91,761	91,988
2 3/4	90,394	90,622	90,850	91,078	91,305	91,533	91,761	91,988	92,216
3	90,622	90,850	91,078	91,305	91,533	91,761	91,988	92,216	92,444
3 1/4	90,850	91,078	91,305	91,533	91,761	91,988	92,216	92,444	92,671
3 1/2	91,078	91,305	91,533	91,761	91,988	92,216	92,444	92,671	92,899
3 3/4	91,305	91,533	91,761	91,988	92,216	92,444	92,671	92,899	93,127
4	91,533	91,761	91,988	92,216	92,444	92,671	92,899	93,127	93,355
4 1/4	91,761	91,988	92,216	92,444	92,671	92,899	93,127	93,355	93,582
4 1/2	91,988	92,216	92,444	92,671	92,899	93,127	93,355	93,582	93,810
4 3/4	92,216	92,444	92,671	92,899	93,127	93,355	93,582	93,810	94,038
5	92,444	92,671	92,899	93,127	93,355	93,582	93,810	94,038	94,265
5 1/4	92,671	92,899	93,127	93,355	93,582	93,810	94,038	94,265	94,493
5 1/2	92,899	93,127	93,355	93,582	93,810	94,038	94,265	94,493	94,721
5 3/4	93,127	93,355	93,582	93,810	94,038	94,265	94,493	94,721	94,948
6	93,355	93,582	93,810	94,038	94,265	94,493	94,721	94,948	95,176
6 1/4	93,582	93,810	94,038	94,265	94,493	94,721	94,948	95,176	95,404
6 1/2	93,810	94,038	94,265	94,493	94,721	94,948	95,176	95,404	95,632
6 3/4	94,038	94,265	94,493	94,721	94,948	95,176	95,404	95,632	95,860
7	94,265	94,493	94,721	94,948	95,176	95,404	95,632	95,860	96,087
7 1/4	94,493	94,721	94,948	95,176	95,404	95,632	95,860	96,087	96,315
7 1/2	94,721	94,948	95,176	95,404	95,632	95,860	96,087	96,315	96,542
7 3/4	94,948	95,176	95,404	95,632	95,860	96,087	96,315	96,542	96,770
8	95,176	95,404	95,632	95,860	96,087	96,315	96,542	96,770	97,000
8 1/4	95,404	95,632	95,860	96,087	96,315	96,542	96,770	97,000	97,228
8 1/2	95,632	95,860	96,087	96,315	96,542	96,770	97,000	97,228	97,456
8 3/4	95,860	96,087	96,315	96,542	96,770	97,000	97,228	97,456	97,684
9	96,087	96,315	96,542	96,770	97,000	97,228	97,456	97,684	97,912
9 1/4	96,315	96,542	96,770	97,000	97,228	97,456	97,684	97,912	98,140
9 1/2	96,542	96,770	97,000	97,228	97,456	97,684	97,912	98,140	98,368
9 3/4	96,770	97,000	97,228	97,456	97,684	97,912	98,140	98,368	98,596
10	97,000	97,228	97,456	97,684	97,912	98,140	98,368	98,596	98,824
10 1/4	97,228	97,456	97,684	97,912	98,140	98,368	98,596	98,824	99,052
10 1/2	97,456	97,684	97,912	98,140	98,368	98,596	98,824	99,052	99,280
10 3/4	97,684	97,912	98,140	98,368	98,596	98,824	99,052	99,280	99,508
11	97,912	98,140	98,368	98,596	98,824	99,052	99,280	99,508	99,736
11 1/4	98,140	98,368	98,596	98,824	99,052	99,280	99,508	99,736	99,964
11 1/2	98,368	98,596	98,824	99,052	99,280	99,508	99,736	99,964	100,192
11 3/4	98,596	98,824	99,052	99,280	99,508	99,736	99,964	100,192	100,420
12	98,824	99,052	99,280	99,508	99,736	99,964	100,192	100,420	100,648
12 1/4	99,052	99,280	99,508	99,736	99,964	100,192	100,420	100,648	100,876
12 1/2	99,280	99,508	99,736	99,964	100,192	100,420	100,648	100,876	101,104
12 3/4	99,508	99,736	99,964	100,192	100,420	100,648	100,876	101,104	101,332
13	99,736	99,964	100,192	100,420	100,648	100,876	101,104	101,332	101,560
13 1/4	99,964	100,192	100,420	100,648	100,876	101,104	101,332	101,560	101,788
13 1/2	100,192	100,420	100,648	100,876	101,104	101,332	101,560	101,788	102,016
13 3/4	100,420	100,648	100,876	101,104	101,332	101,560	101,788	102,016	102,244
14	100,648	100,876	101,104	101,332	101,560	101,788	102,016	102,244	102,472
14 1/4	100,876	101,104	101,332	101,560	101,788	102,016	102,244	102,472	102,700
14 1/2	101,104	101,332	101,560	101,788	102,016	102,244	102,472	102,700	102,928
14 3/4	101,332	101,560	101,788	102,016	102,244	102,472	102,700	102,928	103,156
15	101,560	101,788	102,016	102,244	102,472	102,700	102,928	103,156	103,384
15 1/4	101,788	102,016	102,244	102,472	102,700	102,928	103,156	103,384	103,612
15 1/2	102,016	102,244	102,472	102,700	102,928	103,156	103,384	103,612	103,840
15 3/4	102,244	102,472	102,700	102,928	103,156	103,384	103,612	103,840	104,068
16	102,472	102,700	102,928	103,156	103,384	103,612	103,840	104,068	104,296
16 1/4	102,700	102,928	103,156	103,384	103,612	103,840	104,068	104,296	104,524
16 1/2	102,928	103,156	103,384	103,612	103,840	104,068	104,296	104,524	104,752
16 3/4	103,156	103,384	103,612	103,840	104,068	104,296	104,524	104,752	104,980
17	103,384	103,612	103,840	104,068	104,296	104,524	104,752	104,980	105,208
17 1/4	103,612	103,840	104,068	104,296	104,524	104,752	104,980	105,208	105,436
17 1/2	103,840	104,068	104,296	104,524	104,752	104,980	105,208	105,436	105,664
17 3/4	104,068	104,296	104,524	104,752	104,980	105,208	105,436	105,664	105,892
18	104,296	104,524	104,752	104,980	105,208	105,436	105,664	105,892	106,120
18 1/4	104,524	104,752	104,980	105,208	105,436	105,664	105,892	106,120	106,348
18 1/2	104,752	104,980	105,208	105,436	105,664	105,892	106,120	106,348	106,576
18 3/4	104,980	105,208	105,436	105,664	105,892	106,120	106,348	106,576	106,804
19	105,208	105,436	105,664	105,892	106,120	106,348	106,576	106,804	107,032
19 1/4	105,436	105,664	105,892	106,120	106,348	106,576	106,804	107,032	107,260
19 1/2	105,664	105,892	106,120	106,348	106,576	106,804	107,032	107,260	107,488
19 3/4	105,892	106,120	106,348	106,576	106,804	107,032	107,260	107,488	107,716
20	106,120	106,348	106,576	106,804	107,032	107,260	107,488	107,716	107,944
20 1/4	106,348	106,576	106,804	107,032	107,260	107,488	107,716	107,944	108,172
20 1/2	106,576	106,804	107,032	107,260	107,488	107,716	107,944	108,172	108,400
20 3/4	106,804	107,032	107,260	107,488	107,716	107,944	108,172	108,400	108,628
21	107,032	107,260	107,488	107,716	107,944	108,172	108,400	108,628	108,856
21 1/4	107,260	107,488	107,716	107,944	108,172	108,400	108,628	108,856	109,084
21 1/2	107,488	107,716	107,944	108,172	108,400	108,628	108,856	109,084	109,312
21 3/4	107,716	107,944	108,172	108,400	108,628	108,856	109,084	109,312	109,540
22	107,944	108,172	108,400	108,628	108,856	109,084	109,312	109,540	109,768
22 1/4	108,172	108,400	108,628	108,856	109,084	109,312	109,540	109,768	109,996
22 1/2	108,400	108,628	108,856	109,084	109,312	109,540	109,768	109,996	110,224
22 3/4	108,628	108,856	109,084	109,312	109,540	109,768	109,996	110,224	