

Chas. MARTIN

A
COMPANY OF



BARGE "IB 1020"

INGRAM 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"-1 1/8"
1'-0"	(-) 0'-0 3/8"	(-) 0'-0 1/4"	(-) 0'-0 1/4"
1'-6"	(-) 0'-0 5/8"	{-} 0'-0 1/2"	(-) 0'-0 3/8"
2'-0"	(-) 0'-0 7/8"	(-) 0'-0 5/8"	(-) 0'-0 1/2"
2'-6"	(-) 0'-1"	(-) 0'-0 3/4"	(-) 0'-0 5/8"
3'-0"	(-) 0'-1 1/4"	(-) 0'-0 7/8"	(-) 0'-0 3/4"
3'-6"	(-) 0'-1 1/2"	(-) 0'-1"	(-) 0'-0 7/8"
4'-0"	(-) 0'-1 5/8"	(-) 0'-1 1/8"	(-) 0"-1"
4'-6"	(-) 0'-1 7/8"	(-) 0'-1 3/8"	(-) 0'-1 1/8"
5'-0"	(-) 0'-2 1/8"	(-) 0'-1 1/2"	(-) 0'-1 1/8"

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.

DATE: 5/27/92

BY: D. SAUER

BARGE "IB 1020"

FORM No. W-15x12-9

Chas. MARTIN

INGRAM BARGE LINES

SHEET NO. 1 OF 2

TANK NUMBER:

1

A
COMPANY OF  INSPECTORATE

HULL NO 1590

BARGE SHOULD BE ON LEVEL KEEL WHEN GAUGES ARE TAKEN

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.	CONTINUED ON
0	*493	0	11,382	0	22,267	0	33,117	0	44,003	0	54,890	0	65,776	0	76,662	0	SHEET NO. 2
1/4	720	1/4	11,609	1/4	22,493	1/4	33,344	1/4	44,230	1/4	55,116	1/4	66,002	1/4	76,889	1/4	
1/2	947	1/2	11,836	1/2	22,719	1/2	33,571	1/2	44,457	1/2	55,343	1/2	66,229	1/2	77,115	1/2	
3/4	1,174	3/4	12,063	3/4	22,945	3/4	33,798	3/4	44,684	3/4	55,570	3/4	66,456	3/4	77,342	3/4	
1	1,401	1	12,289	1	23,171	1	34,024	1	44,911	1	55,797	1	66,683	1	77,569	1	
1/2	1,628	1/4	12,516	1/4	23,397	1/4	34,251	1/4	45,137	1/4	56,023	1/4	66,910	1/4	77,796	1/4	
1/2	1,855	1/2	12,743	1/2	23,623	1/2	34,478	1/2	45,364	1/2	56,250	1/2	67,136	1/2	78,023	1/2	
3/4	2,082	3/4	12,970	3/4	23,849	3/4	34,705	3/4	45,591	3/4	56,477	3/4	67,363	3/4	78,249	3/4	
2	2,308	2	13,197	2	24,075	2	34,932	2	45,818	2	56,704	2	67,590	2	78,476	2	
1/4	2,535	1/4	13,423	1/4	24,301	1/4	35,158	1/4	46,044	1/4	56,931	1/4	67,817	1/4	78,703	1/4	
1/2	2,762	1/2	13,650	1/2	24,527	1/2	35,385	1/2	46,271	1/2	57,157	1/2	68,044	1/2	78,930	1/2	
3/4	2,989	3/4	13,877	3/4	24,753	3/4	35,612	3/4	46,498	3/4	57,384	3/4	68,270	3/4	79,157	3/4	
3	3,216	3	14,104	3	24,979	3	35,839	3	46,725	3	57,611	3	68,497	3	79,383	3	
1/4	3,443	1/4	14,331	1/4	25,205	1/4	36,066	1/4	46,952	1/4	57,838	1/4	68,724	1/4	79,610	1/4	
1/2	3,670	1/2	14,557	1/2	25,431	1/2	36,292	1/2	47,178	1/2	58,065	1/2	68,951	1/2	79,837	1/2	
3/4	3,897	3/4	14,784	3/4	25,657	3/4	36,519	3/4	47,405	3/4	58,291	3/4	69,178	3/4	80,064	3/4	
4	4,124	4	15,011	4	25,883	4	36,746	4	47,632	4	58,518	4	69,404	4	80,291	4	
1/4	4,351	1/4	15,238	1/4	26,109	1/4	36,973	1/4	47,859	1/4	58,745	1/4	69,631	1/4	80,517	1/4	
1/2	4,578	1/2	15,465	1/2	26,335	1/2	37,199	1/2	48,086	1/2	58,972	1/2	69,858	1/2	80,744	1/2	
3/4	4,804	3/4	15,692	3/4	26,561	3/4	37,426	3/4	48,312	3/4	59,199	3/4	70,085	3/4	80,971	3/4	
5	5,031	5	15,918	5	26,787	5	37,653	5	48,539	5	59,425	5	70,312	5	81,198	5	
1/4	5,258	1/4	16,145	1/4	27,013	1/4	37,880	1/4	48,766	1/4	59,652	1/4	70,538	1/4	81,425	1/4	
1/2	5,485	1/2	16,372	1/2	27,239	1/2	38,107	1/2	48,993	1/2	59,879	1/2	70,765	1/2	81,651	1/2	
3/4	5,712	3/4	16,599	3/4	27,465	3/4	38,333	3/4	49,220	3/4	60,106	3/4	70,992	3/4	81,878	3/4	
6	5,939	6	16,826	6	27,691	6	38,560	6	49,446	6	60,333	6	71,219	6	82,105	6	
1/4	6,166	1/4	17,052	1/4	27,917	1/4	38,787	1/4	49,673	1/4	60,559	1/4	71,446	1/4	82,332	1/4	
1/2	6,392	1/2	17,279	1/2	28,143	1/2	39,014	1/2	49,900	1/2	60,786	1/2	71,672	1/2	82,558	1/2	
3/4	6,619	3/4	17,506	3/4	28,369	3/4	39,241	3/4	50,127	3/4	61,013	3/4	71,899	3/4	82,785	3/4	
7	6,846	7	17,733	7	28,596	7	39,467	7	50,354	7	61,240	7	72,126	7	83,012	7	
1/4	7,073	1/4	17,960	1/4	28,822	1/4	39,694	1/4	50,580	1/4	61,467	1/4	72,353	1/4	83,239	1/4	
1/2	7,300	1/2	18,186	1/2	29,048	1/2	39,921	1/2	50,807	1/2	61,693	1/2	72,580	1/2	83,466	1/2	
3/4	7,526	3/4	18,413	3/4	29,274	3/4	40,148	3/4	51,034	3/4	61,920	3/4	72,806	3/4	83,692	3/4	
8	7,753	8	18,640	8	29,500	8	40,375	8	51,261	8	62,147	8	73,033	8	83,919	8	
1/4	7,980	1/4	18,867	1/4	29,726	1/4	40,601	1/4	51,488	1/4	62,374	1/4	73,260	1/4	84,146	1/4	
1/2	8,207	1/2	19,094	1/2	29,952	1/2	40,828	1/2	51,714	1/2	62,601	1/2	73,487	1/2	84,373	1/2	
3/4	8,434	3/4	19,320	3/4	30,178	3/4	41,055	3/4	51,941	3/4	62,827	3/4	73,713	3/4	84,600	3/4	
9	8,660	9	19,547	9	30,404	9	41,282	9	52,168	9	63,054	9	73,940	9	84,826	9	
1/4	8,887	1/4	19,774	1/4	30,630	1/4	41,509	1/4	52,395	1/4	63,281	1/4	74,167	1/4	85,053	1/4	
1/2	9,114	1/2	20,001	1/2	30,856	1/2	41,735	1/2	52,622	1/2	63,508	1/2	74,394	1/2	85,280	1/2	
3/4	9,341	3/4	20,228	3/4	31,082	3/4	41,962	3/4	52,848	3/4	63,735	3/4	74,621	3/4	85,507	3/4	
10	9,568	10	20,455	10	31,308	10	42,189	10	53,075	10	63,961	10	74,847	10	85,734	10	
1/4	9,795	1/4	20,681	1/4	31,534	1/4	42,416	1/4	53,302	1/4	64,188	1/4	75,074	1/4	85,960	1/4	
1/2	10,021	1/2	20,908	1/2	31,760	1/2	42,643	1/2	53,529	1/2	64,415	1/2	75,301	1/2	86,187	1/2	
3/4	10,248	3/4	21,135	3/4	31,986	3/4	42,869	3/4	53,756	3/4	64,642	3/4	75,528	3/4	86,414	3/4	
11	10,475	11	21,362	11	32,212	11	43,096	11	53,982	11	64,868	11	75,755	11	86,641	11	
1/4	10,702	1/4	21,589	1/4	32,438	1/4	43,323	1/4	54,209	1/4	65,095	1/4	75,981	1/4	86,868	1/4	
1/2	10,929	1/2	21,815	1/2	32,664	1/2	43,550	1/2	54,436	1/2	65,322	1/2	76,208	1/2	87,094	1/2	
3/4	11,155	3/4	22,041	3/4	32,890	3/4	43,777	3/4	54,663	3/4	65,549	3/4	76,435	3/4	87,321	3/4	

CAPACITY IN: U.S. GALLONS

*CAPACITY BELOW STRIKE POINT

GAUGE HEIGHT: 14'-11" (TO TOP OF BALL VALVE HATCH)

STRAPPED: 5/27/92

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


CHAS. MARTIN CORPORATION

FORM NO. W-15-129



BARGE "IB 1020"

INGRAM BARGE LINES

SHEET NO. 2 OF 2

TANK NUMBER:
1

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

HULL N 1590

8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		14 FEET		FEET		FEET	
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	87,548	0	98,434	0	109,321	0	118,948	0	128,520	0	138,092	0	144,639	0		0	
1/4	87,775	1/4	98,661	1/4	109,547	1/4	119,147	1/4	128,719	1/4	138,291	1/4	144,651	1/4		1/4	
1/2	88,002	1/2	98,888	1/2	109,774	1/2	119,346	1/2	128,919	1/2	138,491	1/2	144,662	1/2		1/2	
3/4	88,228	3/4	99,115	3/4	109,974	3/4	119,546	3/4	129,118	3/4	138,690	3/4	144,673	3/4		3/4	
1	88,455	1	99,341	1	110,173	1	119,745	1	129,317	1	138,890	1		1		1	
1/4	88,682	1/4	99,568	1/4	110,373	1/4	119,945	1/4	129,517	1/4	139,089	1/4		1/4		1/4	
1/2	88,909	1/2	99,795	1/2	110,572	1/2	120,144	1/2	129,716	1/2	139,288	1/2		1/2		1/2	
3/4	89,136	3/4	100,022	3/4	110,771	3/4	120,344	3/4	129,916	3/4	139,488	3/4		3/4		3/4	
2	89,362	2	100,249	2	110,971	2	120,543	2	130,115	2	139,687	2		2		2	
1/4	89,589	1/4	100,475	1/4	111,170	1/4	120,742	1/4	130,315	1/2	139,887	1/2		1/4		1/4	
1/2	89,816	1/2	100,702	1/2	111,370	1/2	120,942	1/2	130,514	1/2	140,086	1/2		1/2		1/2	
3/4	90,043	3/4	100,929	3/4	111,569	3/4	121,141	3/4	130,713	3/4	140,285	3/4		3/4		3/4	
3	90,270	3	101,156	3	111,769	3	121,341	3	130,913	3	140,485	3		3		3	
1/4	90,496	1/4	101,382	1/4	111,968	1/4	121,540	1/4	131,112	1/4	140,684	1/2		1/4		1/4	
1/2	90,723	1/2	101,609	1/2	112,167	1/2	121,739	1/2	131,312	1/2	140,884	1/2		1/2		1/2	
3/4	90,950	3/4	101,836	3/4	112,367	3/4	121,939	3/4	131,511	3/4	141,083	3/4		3/4		3/4	
4	91,177	4	102,063	4	112,566	4	122,138	4	131,710	4	141,271	4		4		4	
1/4	91,403	1/4	102,290	1/4	112,766	1/4	122,338	1/4	131,910	1/4	141,460	1/4		1/4		1/4	
1/2	91,630	1/2	102,516	1/2	112,965	1/2	122,537	1/2	132,109	1/2	141,648	1/2		1/2		1/2	
3/4	91,857	3/4	102,743	3/4	113,164	3/4	122,737	3/4	132,309	3/4	141,837	3/4		3/4		3/4	
5	92,084	5	102,970	5	113,364	5	122,936	5	132,508	5	142,003	5		5		5	
1/4	92,311	1/4	103,197	1/4	113,563	1/4	123,135	1/4	132,708	1/4	142,169	1/4		1/4		1/2	
1/2	92,537	1/2	103,424	1/2	113,763	1/2	123,335	1/2	132,907	1/2	142,335	1/2		1/2		1/2	
3/4	92,764	3/4	103,650	3/4	113,962	3/4	123,534	3/4	133,106	3/4	142,501	3/4		3/4		3/4	
6	92,991	6	103,877	6	114,162	6	123,734	6	133,306	6	142,645	6		6		6	
1/4	93,218	1/4	104,104	1/4	114,361	1/4	123,933	1/4	133,505	1/4	142,789	1/4		1/4		1/4	
1/2	93,445	1/2	104,331	1/2	114,560	1/2	124,133	3/2	133,705	1/2	142,933	1/2		1/2		1/2	
3/4	93,671	3/4	104,558	3/4	114,760	3/4	124,332	3/4	133,904	3/4	143,077	3/4		3/4		3/4	
7	93,898	7	104,784	7	114,959	7	124,531	7	134,103	7	143,199	7		7		7	
1/4	94,125	1/4	105,011	1/4	115,159	1/4	124,731	1/4	134,303	1/4	143,321	1/2		1/4		1/4	
1/2	94,352	1/2	105,238	1/2	115,358	1/2	124,930	1/2	134,502	1/2	143,443	1/2		1/2		1/2	
3/4	94,579	3/4	105,465	3/4	115,558	3/4	125,130	3/4	134,702	3/4	143,565	3/4		3/4		3/4	
8	94,805	8	105,692	8	115,757	8	125,329	8	134,901	8	143,665	8		8		8	
1/4	95,032	1/4	105,918	1/4	115,956	1/4	125,528	1/4	135,101	1/4	143,764	1/4		1/4		1/4	
1/2	95,259	1/2	106,145	1/2	116,156	1/2	125,728	1/2	135,300	1/2	143,864	1/2		1/2		1/2	
3/4	95,486	3/4	106,372	3/4	116,355	3/4	125,927	3/4	135,499	3/4	143,964	3/4		3/4		3/4	
9	95,713	9	106,599	9	116,555	9	126,127	9	135,699	9	144,041	9		9		9	
1/4	95,939	1/4	106,826	1/4	116,754	1/4	126,326	1/4	135,898	1/2	144,119	1/4		1/4		1/4	
1/2	96,166	1/2	107,052	1/2	116,953	1/2	126,526	1/2	136,098	1/2	144,196	1/2		1/2		1/2	
3/4	96,393	3/4	107,279	3/4	117,153	3/4	126,725	3/4	136,297	3/4	144,274	3/4		3/4		3/4	
10	96,620	10	107,506	10	117,352	10	126,924	10	136,497	10	144,329	10		10		10	
1/4	96,847	1/4	107,733	1/4	117,552	1/4	127,124	1/4	136,696	1/2	144,385	1/4		1/4		1/4	
1/2	97,073	1/2	107,960	1/2	117,751	1/2	127,323	1/2	136,895	1/2	144,440	1/2		1/2		1/2	
3/4	97,300	3/4	108,186	3/4	117,951	3/4	127,523	3/4	137,095	3/4	144,495	3/4		3/4		3/4	
11	97,527	11	108,413	11	118,150	11	127,722	11	137,294	11	144,529	11		11		11	
1/4	97,754	1/4	108,640	1/4	118,349	1/2	127,921	1/4	137,494	1/4	144,562	1/4		1/4		1/4	
1/2	97,981	1/2	108,867	1/2	118,549	1/2	128,121	1/2	137,693	1/2	144,595	1/2		1/2		1/2	
3/4	98,207	3/4	109,094	3/4	118,748	3/4	128,320	3/4	137,892	3/4	144,628	3/4		3/4		3/4	

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 14'-11" (TO TOP OF BALL VALVE HATCH)

STRAPPED: 5/27/92

Chas. Martin
CHAS. MARTIN CORPORATION

BARGE "IB 1020"

FORM NO. W-15-12-9

Chas. MARTIN

A COMPANY OF INSPECTORATE

INGRAM BARGE LINES

SHEET NO. 1 OF 2

TANK NUMBER:

2

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

HULL 1590

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.		CONTINUED ON	
0	39	0	10,988	0	21,937	0	32,843	0	43,792	0	54,741	0	65,690	0	76,639	0	SHEET NO. 2
1/4	267	1/4	11,216	1/2	22,164	1/4	33,071	1/4	44,020	1/4	54,969	1/4	65,918	1/4	76,867	1/4	
1/2	496	1/2	11,445	1/2	22,392	1/2	33,299	1/2	44,248	1/2	55,197	1/2	66,146	1/2	77,095	1/2	
3/4	724	3/4	11,673	3/4	22,619	3/4	33,527	3/4	44,476	3/4	55,425	3/4	66,374	3/4	77,323	3/4	
1	952	1	11,901	1	22,846	1	33,755	1	44,704	1	55,653	1	66,602	1	77,551	1	
1/4	1,180	1/4	12,129	1/4	23,073	1/4	33,983	1/4	44,932	1/4	55,881	1/4	66,830	1/4	77,779	1/4	
1/2	1,408	1/2	12,357	1/2	23,300	1/2	34,212	1/2	45,161	1/2	56,110	1/2	67,058	1/2	78,007	1/2	
3/4	1,636	3/4	12,585	3/4	23,528	3/4	34,440	3/4	45,389	3/4	56,338	3/4	67,287	3/4	78,236	3/4	
2	1,864	2	12,813	2	23,755	2	34,668	2	45,617	2	56,566	2	67,515	2	78,464	2	
1/4	2,092	1/4	13,041	1/4	23,982	1/4	34,896	1/4	45,845	1/4	56,794	1/4	67,743	1/4	78,692	1/4	
1/2	2,320	1/2	13,269	1/2	24,209	1/2	35,124	1/2	46,073	1/2	57,022	1/2	67,971	1/2	78,920	1/2	
3/4	2,548	3/4	13,497	3/4	24,436	3/4	35,352	3/4	46,301	3/4	57,250	3/4	68,199	3/4	79,148	3/4	
3	2,777	3	13,726	3	24,664	3	35,580	3	46,529	3	57,478	3	68,427	3	79,376	3	
1/4	3,005	1/4	13,954	1/4	24,891	1/4	35,808	1/4	46,757	1/4	57,706	1/4	68,655	1/2	79,604	1/4	
1/2	3,233	1/2	14,182	1/2	25,118	1/2	36,036	1/2	46,985	1/2	57,934	1/2	68,883	V*	79,832	1/2	
3/4	3,461	3/4	14,410	3/4	25,345	3/4	36,264	3/4	47,213	3/4	58,162	3/4	69,111	3/4	80,060	3/4	
4	3,689	4	14,638	4	25,572	4	36,493	4	47,442	4	58,391	4	69,340	4	80,289	4	
1/4	3,917	1/4	14,866	1/4	25,800	1/4	36,721	1/4	47,670	1/4	58,619	1/4	69,568	1/4	80,517	1/4	
1/2	4,145	1/2	15,094	1/2	26,027	1/2	36,949	1/2	47,898	1/2	58,847	1/2	69,796	1/2	80,745	1/2	
3/4	4,373	3/4	15,322	3/4	26,254	3/4	37,177	3/4	48,126	3/4	59,075	3/4	70,024	3/4	80,973	3/4	
5	4,601	5	15,550	5	26,481	5	37,405	5	48,354	5	59,303	5	70,252	5	81,201	5	
1/4	4,829	1/4	15,778	1/4	26,708	1/4	37,633	1/4	48,582	1/4	59,531	1/2	70,480	1/4	81,429	1/4	
1/2	5,058	1/2	16,007	1/2	26,936	1/2	37,861	1/2	48,810	1/2	59,759	1/2	70,708	1/2	81,657	1/2	
3/4	5,286	3/4	16,235	3/4	27,163	3/4	38,089	3/4	49,038	3/4	59,987	3/4	70,936	3/4	81,885	3/4	
6	5,514	6	16,463	6	27,390	6	38,317	6	49,266	6	60,215	6	71,164	6	82,113	6	
1/4	5,742	1/4	16,691	1/4	27,617	1/4	38,545	1/4	49,494	1/4	60,443	1/4	71,392	1/2	82,341	1/4	
1/2	5,970	1/2	16,919	1/2	27,844	1/2	38,774	1/2	49,723	1/2	60,672	1/2	71,621	1/2	82,570	1/2	
3/4	6,198	3/4	17,147	3/4	28,072	3/4	39,002	3/4	49,951	3/4	60,900	3/4	71,849	3/4	82,798	3/4	
7	6,426	7	17,375	7	28,299	7	39,230	7	50,179	7	61,128	7	72,077	7	83,026	7	
1/2	6,654	1/4	17,603	1/4	28,526	1/2	39,458	1/4	50,407	1/4	61,356	1/4	72,305	1/4	83,254	1/4	
1/2	6,882	1/2	17,831	1/2	28,753	1/2	39,686	1/2	50,635	1/2	61,584	1/2	72,533	1/2	83,482	1/2	
3/4	7,111	3/4	18,060	3/4	28,980	3/4	39,914	3/4	50,863	3/4	61,812	3/4	72,761	3/4	83,710	3/4	
8	7,339	8	18,288	8	29,208	8	40,142	8	51,091	8	62,040	8	72,989	8	83,938	8	
1/2	7,567	1/4	18,516	1/4	29,435	1/4	40,370	1/4	51,319	1/4	62,268	1/4	73,217	1/2	84,166	1/4	
1/2	7,795	1/2	18,744	1/2	29,662	1/2	40,598	1/2	51,547	1/2	62,496	1/2	73,445	1/2	84,394	1/2	
3/4	8,023	3/4	18,972	3/4	29,889	3/4	40,827	3/4	51,776	3/4	62,725	3/4	73,674	3/4	84,623	3/4	
9	8,251	9	19,200	9	30,116	9	41,055	9	52,004	9	62,953	9	73,902	9	84,851	9	
1/4	8,479	1/4	19,428	1/4	30,344	1/4	41,283	1/4	52,232	1/4	63,181	1/4	74,130	1/4	85,079	1/4	
1/2	8,707	1/2	19,656	3/2	30,571	1/2	41,511	1/2	52,460	1/2	63,409	1/2	74,358	1/2	85,307	1/2	
3/4	8,935	3/4	19,884	3/4	30,798	3/4	41,739	3/4	52,688	3/4	63,637	3/4	74,586	3/4	85,535	3/4	
10	9,163	10	20,112	10	31,025	10	41,967	10	52,916	10	63,865	10	74,814	10	85,763	10	
1/4	9,392	1/4	20,341	1/4	31,252	1/4	42,195	1/4	53,144	1/4	64,093	1/4	75,042	1/4	85,991	1/4	
1/2	9,620	1/2	20,569	1/2	31,480	1/2	42,423	1/2	53,372	1/2	64,321	1/2	75,270	1/2	86,219	1/2	
3/4	9,848	3/4	20,797	3/4	31,707	3/4	42,651	3/4	53,600	3/4	64,549	3/4	75,498	3/4	86,447	3/4	
11	10,076	11	21,025	11	31,934	11	42,879	11	53,828	11	64,777	11	75,726	11	86,675	11	
1/2	10,304	1/4	21,253	1/4	32,161	1/4	43,108	1/4	54,057	1/4	65,006	1/4	75,955	1/4	86,904	1/4	
1/2	10,532	1/2	21,481	1/2	32,388	1/2	43,336	1/2	54,285	1/2	65,234	1/2	76,183	1/2	87,132	1/2	
3/4	10,760	3/4	21,709	3/4	32,616	3/4	43,564	3/4	54,513	3/4	65,462	3/4	76,411	3/4	87,360	3/4	

CAPACITY IN: U.S. GALLONS

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

STRAPPED: 5/27/92

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

Chas. Martin
CHAS. MARTIN CORPORATION

BARGE "IB 1020"

FORM NO. W-15-129

Chas. MARTIN

A COMPANY OF INSPECTORATE

INGRAM BARGE LINES

SHEET NO. 2 OF 2

TANK NUMBER:

2

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

HULL N 1590

8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		14 FEET		FEET	FEET
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	87,588	0	98,537	0	109,486	0	120,435	0	131,384	0	142,333	0	150,228	0	0
1/4	87,816	1/4	98,765	1/4	109,714	1/4	120,663	1/4	131,612	1/4	142,561	1/4	150,266	1/4	1/4
1/2	88,044	1/2	98,993	1/2	109,942	1/2	120,891	1/2	131,840	1/2	142,789	1/2	150,278	1/2	1/2
3/4	88,272	3/4	99,221	3/4	110,170	3/4	121,119	3/4	132,068	3/4	143,017	3/4	150,291	3/4	3/4
1	88,500	1	99,449	1	110,398	1	121,347	1	132,296	1	143,245	1	150,304	1	1
1/4	88,728	1/4	99,677	1/4	110,626	1/4	121,575	1/4	132,524	1/4	143,473	1/4	150,316	1/4	1/4
1/2	88,956	1/2	99,905	1/2	110,854	1/2	121,803	1/2	132,752	1/2	143,701	1/2		1/2	1/2
3/4	89,185	3/4	100,134	3/4	111,083	3/4	122,032	3/4	132,981	3/4	143,930	3/4		3/4	3/4
2	89,413	2	100,362	2	111,311	2	122,260	2	133,209	2	144,158	2		2	2
1/4	89,641	1/4	100,590	1/4	111,539	1/4	122,488	1/4	133,437	1/4	144,386	1/4		1/4	1/4
1/2	89,869	1/2	100,818	1/2	111,767	1/2	122,716	1/2	133,665	1/2	144,614	1/2		1/2	1/2
3/4	90,097	3/4	101,046	3/4	111,995	3/4	122,944	3/4	133,893	3/4	144,842	3/4		3/4	3/4
3	90,325	3	101,274	3	112,223	3	123,172	3	134,121	3	145,070	3		3	3
1/4	90,553	1/4	101,502	1/4	112,451	1/4	123,400	1/4	134,349	1/4	145,298	1/4		1/4	1/4
1/2	90,781	1/2	101,730	1/2	112,679	1/2	123,628		134,577	1/2	145,526	1/2		1/2	1/2
3/4	91,009	3/4	101,958	3/4	112,907	3/4	123,856	3/4	134,805	3/4	145,754	3/4		3/4	3/4
4	91,238	4	102,187	4	113,136	4	124,084	4	135,033	4	145,982	4		4	4
1/4	91,466	1/4	102,415	1/4	113,364	1/4	124,313	1/4	135,262	1/4	146,211	1/4		1/4	1/4
1/2	91,694	1/2	102,643	1/2	113,592	1/2	124,541	1/2	135,490	1/2	146,426	1/2		1/2	1/2
3/4	91,922	3/4	102,871	3/4	113,820	3/4	124,769	3/4	135,718	3/4	146,641	3/4		3/4	3/4
5	92,150	5	103,099	5	114,048	5	124,997	5	135,946	5	146,857	5		5	5
1/4	92,378	1/4	103,327	1/4	114,276	1/4	125,225	1/4	136,174	1/4	147,072	1/4		1/4	1/4
1/2	92,606	1/2	103,555	1/2	114,504	1/2	125,453	1/2	136,402	1/2	147,262	1/2		1/2	1/2
3/4	92,834	3/4	103,783	3/4	114,732	3/4	125,681	3/4	136,630	3/4	147,452	3/4		3/4	3/4
6	93,062	6	104,011	6	114,960	6	125,909	6	136,858	6	147,643	6		6	6
1/4	93,290	1/4	104,239	1/4	115,188	1/4	126,137	1/4	137,086	1/4	147,833	1/4		1/4	1/4
1/2	93,519	1/2	104,468	1/2	115,417	1/2	126,366	1/2	137,315	1/2	147,997	1/2		1/2	1/2
3/4	93,747	3/4	104,696	3/4	115,645	3/4	126,594	3/4	137,543	3/4	148,162	3/4		3/4	3/4
7	93,975	7	104,924	7	115,873	7	126,822	7	137,771	7	148,327	7		7	7
1/4	94,203	1/4	105,152	1/4	116,101	1/4	127,050	1/4	137,999	1/4	148,492	1/4		1/4	1/4
1/2	94,431	1/2	105,380	1/2	116,329	1/2	127,278	1/2	138,227	1/2	148,631	1/2		1/2	1/2
3/4	94,659	3/4	105,608	3/4	116,557	3/4	127,506	3/4	138,455	3/4	148,770	3/4		3/4	3/4
8	94,887	8	105,836	8	116,785	8	127,734	8	138,683	8	148,910	8		8	8
1/4	95,115	1/4	106,064	1/4	117,013	1/4	127,962	1/4	138,911	1/4	149,049	1/4		1/4	1/4
1/2	95,343	1/2	106,292	1/2	117,241	1/2	128,190	1/2	139,139	1/2	149,163	1/2		1/2	1/2
3/4	95,571	3/4	106,520	3/4	117,469	3/4	128,418	3/4	139,367	3/4	149,277	3/4		3/4	3/4
9	95,800	9	106,749	9	117,698	9	128,647	9	139,596	9	149,391	9		9	9
1/4	96,028	1/4	106,977	1/4	117,926	1/4	128,875	1/4	139,824	1/4	149,505	1/4		1/4	1/4
1/2	96,256	1/2	107,205	1/2	118,154	1/2	129,103	1/2	140,052	1/2	149,594	1/2		1/2	1/2
3/4	96,484	3/4	107,433	3/4	118,382	3/4	129,331	3/4	140,280	3/4	149,683	3/4		3/4	3/4
10	96,712	10	107,661	10	118,610	10	129,559	10	140,508	10	149,772	10		10	10
1/4	96,940	1/4	107,889	1/4	118,838	1/4	129,787	1/4	140,736	1/4	149,860	1/4		1/4	1/4
1/2	97,168	1/2	108,117	1/2	119,066	1/2	130,015	1/2	140,964	1/2	149,924	1/2		1/2	1/2
3/4	97,396	3/4	108,345	3/4	119,294	3/4	130,243	3/4	141,192	3/4	149,987	3/4		3/4	3/4
11	97,624	11	108,573	11	119,522	11	130,471	11	141,420	11	150,050	11		11	11
1/4	97,853	1/4	108,802	1/4	119,751	1/4	130,700	1/4	141,649	1/4	150,114	1/4		1/4	1/4
1/2	98,081	1/2	109,030	1/2	119,979	1/2	130,928	1/2	141,877	1/2	150,152	1/2		1/2	1/2
3/4	98,309	3/4	109,258	3/4	120,207	3/4	131,156	3/4	142,105	3/4	150,190	3/4		3/4	3/4

CAPACITY IN: U.S. GALLONS

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

STRAPPED: 5/27/92

[Signature]
CHAS. MARTIN CORPORATION

FORM No. W-15x12-9

Chas. MARTIN

A COMPANY OF INSPECTORATE

BARGE "IB 1020"

INGRAM BARGE LINES

SHEET NO. 1 OF 2

TANK NUMBER:

3

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

HULL NO. 1590

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.		CONTINUED ON	
0	* 1,550	0	13,637	0	25,724	0	37,811	0	49,897	0	61,984	0	74,071	0	86,158	0	SHEET NO. 2
1/4	1,802	1/4	13,889	1/4	25,976	1/4	38,062	1/4	50,149	1/4	62,236	1/4	74,323	1/4	86,410	1/4	
1/2	2,054	1/2	14,141	1/2	26,227	1/2	38,314	1/2	50,401	1/2	62,488	1/2	74,575	1/2	86,662	1/2	
3/4	2,306	3/4	14,392	3/4	26,479	3/4	38,566	3/4	50,653	3/4	62,740	3/4	74,827	3/4	86,913	3/4	
1	2,557	1	14,644	1	26,731	1	38,818	1	50,905	1	62,992	1	75,078	1	87,165	1	
1/4	2,809	1/4	14,896	1/4	26,983	1/4	39,070	1/4	51,157	1/4	63,243	1/2	75,330	1/4	87,417	1/4	
1/2	3,061	1/2	15,148	1/2	27,235	1/2	39,322	1/2	51,408	1/2	63,495	1/2	75,582	1/2	87,669	1/2	
3/4	3,313	3/4	15,400	3/4	27,486	3/4	39,573	3/4	51,660	3/4	63,747	3/4	75,834	3/4	87,921	3/4	
2	3,565	2	15,651	2	27,738	2	39,825	2	51,912	2	63,999	2	76,086	2	88,172	2	
1/4	3,816	1/4	15,903	1/4	27,990	1/4	40,077	1/4	52,164	1/4	64,251	1/4	76,337	1/4	88,424	1/4	
1/2	4,068	1/2	16,155	1/2	28,242	1/2	40,329	1/2	52,416	1/2	64,502	1/2	76,589	1/2	88,676	1/2	
3/4	4,320	3/4	16,407	3/4	28,494	3/4	40,581	3/4	52,667	3/4	64,754	3/4	76,841	3/4	88,928	3/4	
3	4,572	3	16,659	3	28,746	3	40,832	3	52,919	3	65,006	3	77,093	3	89,180	3	
1/4	4,824	1/4	16,911	1/4	28,997	1/4	41,084	1/4	53,171	1/4	65,258	1/4	77,345	1/4	89,432	1/4	
1/2	5,075	1/2	17,162	1/2	29,249	1/2	41,336	1/2	53,423	1/2	65,510	1/2	77,596	1/2	89,683	1/2	
3/4	5,327	3/4	17,414	3/4	29,501	3/4	41,588	3/4	53,675	3/4	65,761	3/4	77,848	3/4	89,935	3/4	
4	5,579	4	17,666	4	29,753	4	41,840	4	53,926	4	66,013	4	78,100	4	90,187	4	
1/4	5,831	1/4	17,918	1/4	30,005	1/4	42,091	1/4	54,178	1/4	66,265	1/4	78,352	1/2	90,439	1/4	
1/2	6,083	1/2	18,170	1/2	30,256	1/2	42,343	1/2	54,430	1/2	66,517	1/2	78,604	1/2	90,691	1/2	
3/4	6,335	3/4	18,421	3/4	30,508	3/4	42,595	3/4	54,682	3/4	66,769	3/4	78,856	3/4	90,942	3/4	
5	6,586	5	18,673	5	30,760	5	42,847	5	54,934	5	67,021	5	79,107	5	91,194	5	
1/4	6,838	1/4	18,925	1/4	31,012	1/4	43,099	1/4	55,185	1/4	67,272	1/4	79,359	1/4	91,446	1/4	
1/2	7,090	1/2	19,177	1/2	31,264	1/2	43,350	1/2	55,437	1/2	67,524	1/2	79,611	1/2	91,698	1/2	
3/4	7,342	3/4	19,429	3/4	31,515	3/4	43,602	3/4	55,689	3/4	67,776	3/4	79,863	3/4	91,950	3/4	
6	7,594	6	19,680	6	31,767	6	43,854	6	55,941	6	68,028	6	80,115	6	92,201	6	
1/4	7,845	1/4	19,932	1/4	32,019	1/4	44,106	1/4	56,193	1/4	68,280	1/2	80,366	1/4	92,453	1/4	
1/2	8,097	1/2	20,184	1/2	32,271	1/2	44,358	1/2	56,445	1/2	68,531	1/2	80,618	1/2	92,705	1/2	
3/4	8,349	3/4	20,436	3/4	32,523	3/4	44,610	3/4	56,696	3/4	68,783	3/4	80,870	3/4	92,957	3/4	
7	8,601	7	20,688	7	32,774	7	44,861	7	56,948	7	69,035	7	81,122	7	93,209	7	
1/4	8,853	1/4	20,939	1/4	33,026	1/4	45,113	1/4	57,200	1/4	69,287	1/4	81,374	1/4	93,460	1/4	
1/2	9,104	1/2	21,191	1/2	33,278	1/2	45,365	1/2	57,452	1/2	69,539	1/2	81,625	1/2	93,712	1/2	
3/4	9,356	3/4	21,443	3/4	33,530	3/4	45,617	3/4	57,704	3/4	69,790	3/4	81,877	3/4	93,964	3/4	
8	9,608	8	21,695	8	33,782	8	45,869	8	57,955	8	70,042	8	82,129	8	94,216	8	
1/4	9,860	1/4	21,947	1/4	34,034	1/4	46,120	1/4	58,207	1/2	70,294	1/4	82,381	1/2	94,468	1/4	
1/2	10,112	1/2	22,199	1/2	34,285	1/2	46,372	1/2	58,459	1/2	70,546	1/2	82,633	1/2	94,719	1/2	
3/4	10,363	3/4	22,450	3/4	34,537	3/4	46,624	3/4	58,711	3/4	70,798	3/4	82,884	3/4	94,971	3/4	
9	10,615	9	22,702	9	34,789	9	46,876	9	58,963	9	71,049	9	83,136	9	95,223	9	
1/4	10,867	1/4	22,954	1/4	35,041	1/4	47,128	1/4	59,214	1/4	71,301	1/2	83,388	1/4	95,475	1/4	
1/2	11,119	1/2	23,206	1/2	35,293	1/2	47,379	1/2	59,466	1/2	71,553	1/2	83,640	1/2	95,727	1/2	
3/4	11,371	3/4	23,458	3/4	35,544	3/4	47,631	3/4	59,718	3/4	71,805	3/4	83,892	3/4	95,979	3/4	
10	11,623	10	23,709	10	35,796	10	47,883	10	59,970	10	72,057	10	84,144	10	96,230	10	
1/4	11,874	1/4	23,961	1/4	36,048	1/4	48,135	1/4	60,222	1/4	72,308	1/4	84,395	1/4	96,482	1/4	
1/2	12,126	1/2	24,213	1/2	36,300	1/2	48,387	1/2	60,473	1/2	72,560	1/2	84,647	1/2	96,734	1/2	
3/4	12,378	3/4	24,465	3/4	36,552	3/4	48,638	3/4	60,725	3/4	72,812	3/4	84,899	3/4	96,986	3/4	
11	12,630	11	24,717	11	36,803	11	48,890	11	60,977	11	73,064	11	85,151	11	97,238	11	
1/4	12,882	1/4	24,968	1/4	37,055	1/4	49,142	1/4	61,229	1/4	73,316	1/4	85,403	1/2	97,489	1/4	
1/2	13,133	1/2	25,220	1/2	37,307	1/2	49,394	1/2	61,481	1/2	73,568	1/2	85,654	1/2	97,741	1/2	
3/4	13,385	3/4	25,472	3/4	37,559	3/4	49,646	3/4	61,733	3/4	73,819	3/4	85,906	3/4	97,993	3/4	

CAPACITY IN: U.S. GALLONS

*CAPACITY BELOW STRIKE POINT

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

STRAPPED: 5/27/92

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

Chas. Martin
CHAS. MARTIN CORPORATION

FORM No. W-15x12.9



BARGE "IB 1020"

INGRAM BARGE LINES

SHEET NO. 2 OF 2

TANK NUMBER:

3

HULL NO. 1590

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

8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		FEET	FEET	FEET
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.
0	98,245	0	110,332	0	122,418	0	134,401	0	145,968	0	157,128	0		0
1/4	98,497	1/4	110,583	1/4	122,670	1/2	134,645	1/4	146,203	1/4	157,358	1/2		1/4
1/2	98,748	1/2	110,835	1/2	122,922	1/2	134,889	1/2	146,439	1/2	157,589	1/2		1/2
3/4	99,000	3/4	111,087	3/4	123,174	3/4	135,133	3/4	146,674	3/4	157,820	3/4		3/4
1	99,252	1	111,339	1	123,426	1	135,377	1	146,909	1	158,050	1		1
1/4	99,504	1/4	111,591	1/4	123,678	1/4	135,622	1/4	147,144	1/4	158,281	1/4		1/4
1/2	99,756	1/2	111,843	1/2	123,929	1/2	135,866	1/2	147,379	1/2	158,511	1/2		1/2
3/4	100,007	3/4	112,094	3/4	124,181	3/4	136,110	3/4	147,614	3/4	158,742	3/4		3/4
2	100,259	2	112,346	2	124,433	2	136,354	2	147,849	2	158,972	2		2
1/4	100,511	1/4	112,598	1/4	124,685	1/4	136,599	1/4	148,084	1/4	159,203	1/4		1/4
1/2	100,763	1/2	112,850	1/2	124,937	1/2	136,843	1/2	148,319	1/2	159,433	1/2		1/2
3/4	101,015	3/4	113,102	3/4	125,188	3/4	137,087	3/4	148,555	3/4	159,664	3/4		3/4
3	101,267	3	113,353	3	125,440	3	137,331	3	148,790	3	159,882	3		3
1/4	101,518	1/4	113,605	1/4	125,692	1/4	137,575	1/2	149,025	1/4	160,100	1/4		1/4
1/2	101,770	1/2	113,857	1/2	125,944	1/2	137,820	1/2	149,260	1/2	160,317	1/2		1/2
3/4	102,022	3/4	114,109	3/4	126,196	3/4	138,064	3/4	149,495	3/4	160,535	3/4		3/4
4	102,274	4	114,361	4	126,446	4	138,305	4	149,727	4	160,727	4		4
1/4	102,526	1/4	114,612	1/4	126,696	1/4	138,546	1/4	149,959	1/4	160,919	1/4		1/4
1/2	102,777	1/2	114,864	1/2	126,946	1/2	138,787	1/2	150,191	1/2	161,111	1/2		1/2
3/4	103,029	3/4	115,116	3/4	127,197	3/4	139,029	3/4	150,423	3/4	161,304	3/4		3/4
5	103,281	5	115,368	5	127,447	5	139,270	5	150,655	5	161,470	5		5
1/4	103,533	1/4	115,620	1/4	127,697	1/4	139,511	1/4	150,888	1/4	161,637	1/4		1/4
1/2	103,785	1/2	115,871	1/2	127,948	1/2	139,752	1/2	151,120	1/2	161,803	1/2		1/2
3/4	104,036	3/4	116,123	3/4	128,198	3/4	139,993	3/4	151,352	3/4	161,970	3/4		3/4
6	104,288	6	116,375	6	128,448	6	140,235	6	151,584	6	162,111	6		6
1/4	104,540	1/4	116,627	1/4	128,699	1/2	140,476	1/4	151,816	1/4	162,251	1/2		1/4
1/2	104,792	1/2	116,879	1/2	128,949	1/2	140,717	1/2	152,048	1/2	162,392	1/2		1/2
3/4	105,044	3/4	117,130	3/4	129,199	3/4	140,958	3/4	152,280	3/4	162,533	3/4		3/4
7	105,295	7	117,382	7	129,449	7	141,199	7	152,512	7	162,649	7		7
1/4	105,547	1/4	117,634	1/4	129,700	1/4	141,440	1/4	152,744	1/4	162,764	1/4		1/4
1/2	105,799	1/2	117,886	1/2	129,950	1/2	141,682	1/2	152,976	1/2	162,879	1/2		1/2
3/4	106,051	3/4	118,138	3/4	130,200	3/4	141,923	3/4	153,208	3/4	162,994	3/4		3/4
8	106,303	8	118,390	8	130,448	8	142,161	8	153,439	8	163,084	8		8
1/4	106,555	1/4	118,641	1/4	130,695	1/4	142,399	1/4	153,669	1/4	163,174	1/4		1/4
1/2	106,806	1/2	118,893	1/2	130,942	1/2	142,637	1/2	153,900	1/2	163,263	1/2		1/2
3/4	107,058	3/4	119,145	3/4	131,189	3/4	142,875	3/4	154,131	3/4	163,353	3/4		3/4
9	107,310	9	119,397	9	131,437	9	143,114	9	154,361	9	163,417	9		9
1/4	107,562	1/4	119,649	1/4	131,684	1/4	143,352	1/4	154,592	1/4	163,481	1/4		1/4
1/2	107,814	1/2	119,900	1/2	131,931	1/2	143,590	1/2	154,822	1/2	163,545	1/2		1/2
3/4	108,065	3/4	120,152	3/4	132,178	3/4	143,828	3/4	155,053	3/4	163,609	3/4		3/4
10	108,317	10	120,404	10	132,426	10	144,066	10	155,283	10	163,648	10		10
1/4	108,569	1/4	120,656	1/4	132,673	1/4	144,304	1/4	155,514	1/4	163,686	1/4		1/4
1/2	108,821	1/2	120,908	1/2	132,920	1/2	144,542	1/2	155,744	1/2	163,724	1/2		1/2
3/4	109,073	3/4	121,159	3/4	133,167	3/4	144,781	3/4	155,975	3/4	163,763	3/4		3/4
11	109,324	11	121,411	11	133,415	11	145,019	11	156,206	11	163,776	11		11
1/4	109,576	1/4	121,663	1/4	133,662	1/4	145,257	1/4	156,436	1/4	163,789	1/4		1/4
1/2	109,828	1/2	121,915	1/2	133,909	1/2	145,495	1/2	156,667	1/2	163,801	1/2		1/2
3/4	110,080	3/4	122,167	3/4	134,156	3/4	145,733	3/4	156,897	3/4	163,814	3/4		3/4

CAPACITY IN: U.S. GALLONS

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

STRAPPED: 5/27/92

[Signature]
CHAS. MARTIN CORPORATION