

Line Log

Line Name: DPISF-061-P1038
 Start time: 07/03/2010 06:55:26

Client: **DPI**
 Contract: **Southern Flanks 2D**

Shotpoint	Log Time	Message
5505	07/03/2010 06:55:27	Volume source 1 2360 cu in (ideal volume 2360) 100.0%
	07/03/2010 06:55:27	SOL String pressures 1:2059.0 PSI 2:2013.0 PSI
	07/03/2010 06:55:27	First good shot 5505. Line 'DPISF-061-P1038' time 3-7-2010 6:55:26.911769
	07/03/2010 06:55:27	Atmospheric manual - 1000mB
	07/03/2010 06:55:27	SOL Full nominal array enabled, all spare guns disabled.
5504	07/03/2010 06:55:33	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.14s into shot
5496	07/03/2010 06:56:23	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.64s into shot
5489	07/03/2010 06:57:08	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 06:57:08	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 06:57:08	Spread error 4.9mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 11 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
5487	07/03/2010 06:57:20	String 1 Cluster 2 Gun 4(60 cu in) fired 4.5 mS late.
	07/03/2010 06:57:20	Spread error 4.6mS (limit 2.6mS) earliest String 1 Cluster 6 Gun 9 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.5mS)
5476	07/03/2010 06:58:29	String 1 Cluster 2 Gun 4(60 cu in) fired 4.5 mS late.
	07/03/2010 06:58:29	Spread error 4.8mS (limit 2.6mS) earliest String 1 Cluster 7 Gun 10 (error -0.3mS) latest String 1 Cluster 2 Gun 4 (error 4.5mS)
5467	07/03/2010 06:59:24	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.61s into shot
5456	07/03/2010 07:00:34	String 1 Cluster 2 Gun 4(60 cu in) fired 4.5 mS late.
	07/03/2010 07:00:34	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 07:00:34	Spread error 4.8mS (limit 2.6mS) earliest String 1 Cluster 7 Gun 10 (error -0.3mS) latest String 1 Cluster 2 Gun 4 (error 4.5mS)
5431	07/03/2010 07:03:09	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.66s into shot
5406	07/03/2010 07:05:45	Sensor amplitude change error String 1: Cluster 2-Gun 4
5389	07/03/2010 07:07:31	String 1 Cluster 2 Gun 4(60 cu in) fired 4.6 mS late.
	07/03/2010 07:07:31	Spread error 4.7mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 11 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.6mS)
5387	07/03/2010 07:07:44	String 1 Cluster 2 Gun 4(60 cu in) fired 4.3 mS late.
	07/03/2010 07:07:44	Spread error 4.5mS (limit 2.6mS) earliest String 1 Cluster 7 Gun 10 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.3mS)
5380	07/03/2010 07:08:28	String 1 Cluster 2 Gun 4(60 cu in) fired 4.4 mS late.
	07/03/2010 07:08:28	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 07:08:28	Spread error 4.5mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 11 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.4mS)
5364	07/03/2010 07:10:07	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.13s into shot
5335	07/03/2010 07:13:08	Sensor amplitude change error String 1: Cluster 2-Gun 4
5326	07/03/2010 07:14:04	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 07:14:04	Spread error 4.9mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 11 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
5306	07/03/2010 07:16:09	String 1 Cluster 2 Gun 4(60 cu in) fired 4.6 mS late.
	07/03/2010 07:16:09	Sensor amplitude change error String 1: Cluster 2-Gun 4

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Shotpoint	Log Time	Message
	07/03/2010 07:16:09	Spread error 4.8mS (limit 2.6mS) earliest String 1 Cluster 3 Gun 5 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.6mS)
5292	07/03/2010 07:17:35	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.12s into shot
5280	07/03/2010 07:18:51	Sensor amplitude change error String 1: Cluster 2-Gun 4
5267	07/03/2010 07:20:12	String 1 Cluster 2 Gun 4(60 cu in) fired 4.6 mS late.
	07/03/2010 07:20:12	Spread error 4.9mS (limit 2.6mS) earliest String 1 Cluster 7 Gun 10 (error -0.3mS) latest String 1 Cluster 2 Gun 4 (error 4.6mS)
5240	07/03/2010 07:23:00	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.13s into shot
5239	07/03/2010 07:23:07	Sensor amplitude change error String 1: Cluster 2-Gun 4
5199	07/03/2010 07:27:16	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.12s into shot
5192	07/03/2010 07:28:01	Sensor amplitude change error String 1: Cluster 2-Gun 4
5152	07/03/2010 07:32:10	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.28s into shot
5125	07/03/2010 07:34:59	String 1 Cluster 2 Gun 4(60 cu in) fired 4.6 mS late.
	07/03/2010 07:34:59	Spread error 4.7mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 10 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.6mS)
5101	07/03/2010 07:37:28	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.13s into shot
5097	07/03/2010 07:37:53	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.62s into shot
5091	07/03/2010 07:38:31	Sensor amplitude change error String 1: Cluster 2-Gun 4
5044	07/03/2010 07:43:24	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
5022	07/03/2010 07:45:42	Sensor amplitude change error String 1: Cluster 2-Gun 4
4981	07/03/2010 07:49:59	String 1 Cluster 2 Gun 4(60 cu in) fired 4.6 mS late.
	07/03/2010 07:49:59	Spread error 4.7mS (limit 2.6mS) earliest String 2 Cluster 5 Gun 7 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.6mS)
4967	07/03/2010 07:51:26	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.15s into shot
4966	07/03/2010 07:51:33	String 1 Cluster 2 Gun 4(60 cu in) fired 4.7 mS late.
	07/03/2010 07:51:33	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 07:51:33	Spread error 4.8mS (limit 2.6mS) earliest String 2 Cluster 6 Gun 9 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.7mS)
4958	07/03/2010 07:52:23	String 1 Cluster 2 Gun 4(60 cu in) fired 4.7 mS late.
	07/03/2010 07:52:23	Spread error 4.8mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 11 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.7mS)
4957	07/03/2010 07:52:29	String 1 Cluster 2 Gun 4(60 cu in) fired 4.5 mS late.
	07/03/2010 07:52:29	Spread error 4.7mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 10 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.5mS)
4949	07/03/2010 07:53:19	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.30s into shot
4947	07/03/2010 07:53:31	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.30s into shot
4946	07/03/2010 07:53:37	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
4940	07/03/2010 07:54:15	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
4938	07/03/2010 07:54:28	Sensor amplitude change error String 1: Cluster 2-Gun 4
4936	07/03/2010 07:54:40	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.30s into shot
4934	07/03/2010 07:54:52	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
4929	07/03/2010 07:55:23	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.16s into shot
4923	07/03/2010 07:56:01	shotSeq - Pre-solenoid trigger autofire positive threshold detect, sample 42
	07/03/2010 07:56:02	String 2 Cluster 7 Gun 11(250 cu in) autofire detected before solenoid triggered.
4914	07/03/2010 07:56:57	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.15s into shot

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Shotpoint	Log Time	Message
4907	07/03/2010 07:57:41	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.45s into shot
4897	07/03/2010 07:58:43	Sensor amplitude change error String 1: Cluster 2-Gun 4
4854	07/03/2010 08:03:11	Sensor amplitude change error String 1: Cluster 2-Gun 4
4797	07/03/2010 08:09:04	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.43s into shot
	07/03/2010 08:09:04	Sensor amplitude change error String 1: Cluster 2-Gun 4
4796	07/03/2010 08:09:10	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
4786	07/03/2010 08:10:13	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 08:10:13	Spread error 5.0mS (limit 2.6mS) earliest String 2 Cluster 2 Gun 3 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
4781	07/03/2010 08:10:44	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.15s into shot
4774	07/03/2010 08:11:27	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.16s into shot
4769	07/03/2010 08:11:59	Sensor amplitude change error String 1: Cluster 2-Gun 4
4751	07/03/2010 08:13:50	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.30s into shot
4739	07/03/2010 08:15:05	String 1 Cluster 2 Gun 4(60 cu in) fired 4.7 mS late.
	07/03/2010 08:15:05	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 08:15:05	Spread error 4.8mS (limit 2.6mS) earliest String 1 Cluster 7 Gun 11 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.7mS)
4723	07/03/2010 08:16:45	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
4717	07/03/2010 08:17:22	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.12s into shot
4715	07/03/2010 08:17:35	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.42s into shot
4714	07/03/2010 08:17:41	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.13s into shot
4711	07/03/2010 08:18:00	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
4708	07/03/2010 08:18:19	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.13s into shot
4703	07/03/2010 08:18:50	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
4692	07/03/2010 08:19:59	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.12s into shot
4691	07/03/2010 08:20:05	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.28s into shot
4690	07/03/2010 08:20:11	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.28s into shot
4687	07/03/2010 08:20:31	String 2 Cluster 7 Gun 11(250 cu in) fired 1.3 mS late.
4684	07/03/2010 08:20:48	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.14s into shot
4681	07/03/2010 08:21:07	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.12s into shot
4679	07/03/2010 08:21:20	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
4673	07/03/2010 08:21:58	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.45s into shot
4671	07/03/2010 08:22:10	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.28s into shot
4670	07/03/2010 08:22:16	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.15s into shot
4666	07/03/2010 08:22:41	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.13s into shot
4662	07/03/2010 08:23:06	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.13s into shot
4656	07/03/2010 08:23:43	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.15s into shot
4654	07/03/2010 08:23:56	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
4652	07/03/2010 08:24:09	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.49s into shot
4648	07/03/2010 08:24:34	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.44s into shot
4640	07/03/2010 08:25:24	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.14s into shot
4632	07/03/2010 08:26:14	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.43s into shot
4624	07/03/2010 08:27:03	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
4617	07/03/2010 08:27:47	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.57s into shot
4609	07/03/2010 08:28:37	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.49s into shot

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Shotpoint	Log Time	Message
4589	07/03/2010 08:30:42	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
4582	07/03/2010 08:31:25	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.12s into shot
4577	07/03/2010 08:31:57	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.53s into shot
4571	07/03/2010 08:32:34	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.16s into shot
4570	07/03/2010 08:32:41	String 1 Cluster 2 Gun 4(60 cu in) fired 4.9 mS late.
	07/03/2010 08:32:41	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 08:32:41	Spread error 5.0mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 11 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.9mS)
4568	07/03/2010 08:32:53	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.49s into shot
4563	07/03/2010 08:33:25	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.14s into shot
4557	07/03/2010 08:34:03	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.62s into shot
4554	07/03/2010 08:34:22	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.13s into shot
4547	07/03/2010 08:35:05	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.43s into shot
4543	07/03/2010 08:35:30	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.28s into shot
4537	07/03/2010 08:36:08	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
4532	07/03/2010 08:36:40	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.28s into shot
4521	07/03/2010 08:37:49	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.29s into shot
	07/03/2010 08:37:50	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 1.42s into shot
4515	07/03/2010 08:38:27	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.48s into shot
4513	07/03/2010 08:38:39	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.51s into shot
4479	07/03/2010 08:42:12	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.49s into shot
4419	07/03/2010 08:48:26	String 1 Cluster 2 Gun 4(60 cu in) fired 4.7 mS late.
	07/03/2010 08:48:26	Spread error 4.9mS (limit 2.6mS) earliest String 1 Cluster 3 Gun 5 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.7mS)
4368	07/03/2010 08:53:45	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.30s into shot
4357	07/03/2010 08:54:54	Sensor amplitude change error String 1: Cluster 2-Gun 4
4352	07/03/2010 08:55:25	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.46s into shot
4350	07/03/2010 08:55:37	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.30s into shot
4333	07/03/2010 08:57:22	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.30s into shot
4320	07/03/2010 08:58:44	Gun String 2 Cluster 7 Gun 11 (250 cu in) suspect autofire (sensor) 0.15s into shot
4298	07/03/2010 09:01:03	Sensor amplitude change error String 1: Cluster 2-Gun 4
4227	07/03/2010 09:08:27	String 1 Cluster 2 Gun 4(60 cu in) fired 4.4 mS late.
	07/03/2010 09:08:27	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 09:08:27	Spread error 4.5mS (limit 2.6mS) earliest String 2 Cluster 6 Gun 9 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.4mS)
4171	07/03/2010 09:14:17	Sensor amplitude change error String 1: Cluster 2-Gun 4
4170	07/03/2010 09:14:23	Smart detection used on String 1 Cluster 2 Gun 4 (96%)
4148	07/03/2010 09:16:44	String 1 Cluster 2 Gun 4(60 cu in) fired 4.6 mS late.
	07/03/2010 09:16:44	Spread error 4.8mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 10 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.6mS)
4134	07/03/2010 09:18:12	Sensor amplitude change error String 1: Cluster 2-Gun 4
4068	07/03/2010 09:25:01	Sensor amplitude change error String 1: Cluster 2-Gun 4
4049	07/03/2010 09:27:00	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 09:27:00	Spread error 4.9mS (limit 2.6mS) earliest String 1 Cluster 3 Gun 5 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)

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Shotpoint	Log Time	Message
4009	07/03/2010 09:31:11	Sensor amplitude change error String 1: Cluster 2-Gun 4
3996	07/03/2010 09:32:31	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 09:32:31	Spread error 5.0mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 11 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
3957	07/03/2010 09:36:35	Gun String 1 Cluster 2 Gun 4 (60 cu in) suspect autofire (sensor) 0.13s into shot
	07/03/2010 09:36:36	Sensor amplitude change error String 1: Cluster 2-Gun 4
3920	07/03/2010 09:40:28	String 1 Cluster 2 Gun 4(60 cu in) fired 4.1 mS late.
	07/03/2010 09:40:28	Spread error 4.2mS (limit 2.6mS) earliest String 1 Cluster 7 Gun 10 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.1mS)
3916	07/03/2010 09:40:53	Sensor amplitude change error String 1: Cluster 2-Gun 4
3911	07/03/2010 09:41:24	String 1 Cluster 2 Gun 4(60 cu in) fired 4.7 mS late.
	07/03/2010 09:41:24	Spread error 4.9mS (limit 2.6mS) earliest String 1 Cluster 3 Gun 5 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.7mS)
3859	07/03/2010 09:46:51	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 09:46:51	Spread error 5.0mS (limit 2.6mS) earliest String 1 Cluster 3 Gun 5 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
3852	07/03/2010 09:47:34	Sensor amplitude change error String 1: Cluster 2-Gun 4
3805	07/03/2010 09:52:28	Sensor amplitude change error String 1: Cluster 2-Gun 4
3768	07/03/2010 09:56:18	Sensor amplitude change error String 1: Cluster 2-Gun 4
3725	07/03/2010 10:00:48	Sensor amplitude change error String 1: Cluster 2-Gun 4
3694	07/03/2010 10:04:01	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 10:04:01	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 10:04:01	Spread error 5.0mS (limit 2.6mS) earliest String 1 Cluster 3 Gun 5 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
3693	07/03/2010 10:04:07	String 1 Cluster 2 Gun 4(60 cu in) fired 4.7 mS late.
	07/03/2010 10:04:07	Spread error 5.0mS (limit 2.6mS) earliest String 1 Cluster 3 Gun 5 (error -0.3mS) latest String 1 Cluster 2 Gun 4 (error 4.7mS)
3392	07/03/2010 10:41:05	Sensor amplitude change error String 1: Cluster 2-Gun 4
3362	07/03/2010 10:45:04	Smart detection used on String 1 Cluster 2 Gun 4 (90%)
	07/03/2010 10:45:04	smart: Threshold too high or sensor low for String 1 Cluster 2 Gun 4
3359	07/03/2010 10:45:29	Sensor amplitude change error String 1: Cluster 2-Gun 4
3307	07/03/2010 10:52:27	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 10:52:27	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 10:52:27	Spread error 5.1mS (limit 2.6mS) earliest String 2 Cluster 1 Gun 2 (error -0.3mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
3253	07/03/2010 10:59:40	String 1 Cluster 2 Gun 4(60 cu in) fired 4.6 mS late.
	07/03/2010 10:59:40	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 10:59:40	Spread error 4.8mS (limit 2.6mS) earliest String 2 Cluster 1 Gun 2 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.6mS)
3201	07/03/2010 11:06:35	String 1 Cluster 2 Gun 4(60 cu in) fired 4.7 mS late.
	07/03/2010 11:06:35	Spread error 5.2mS (limit 2.6mS) earliest String 1 Cluster 7 Gun 10 (error -0.5mS) latest String 1 Cluster 2 Gun 4 (error 4.7mS)
3164	07/03/2010 11:11:21	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 11:11:21	Sensor amplitude change error String 1: Cluster 2-Gun 4

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Shotpoint	Log Time	Message
	07/03/2010 11:11:21	Spread error 4.9mS (limit 2.6mS) earliest String 2 Cluster 6 Gun 9 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
3119	07/03/2010 11:17:06	Sensor amplitude change error String 1: Cluster 2-Gun 4
3043	07/03/2010 11:26:51	Sensor amplitude change error String 1: Cluster 2-Gun 4
3014	07/03/2010 11:30:34	Sensor amplitude change error String 1: Cluster 2-Gun 4
2984	07/03/2010 11:34:23	String 1 Cluster 2 Gun 4(60 cu in) fired 4.9 mS late.
	07/03/2010 11:34:23	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 11:34:23	Spread error 5.0mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 10 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.9mS)
2927	07/03/2010 11:41:43	Sensor amplitude change error String 1: Cluster 2-Gun 4
2856	07/03/2010 11:50:48	Sensor amplitude change error String 1: Cluster 2-Gun 4
2845	07/03/2010 11:52:12	Smart detection used on String 1 Cluster 2 Gun 4 (91%)
	07/03/2010 11:52:12	smart: Threshold too high or sensor low for String 1 Cluster 2 Gun 4
2826	07/03/2010 11:54:38	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 11:54:38	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 11:54:38	Spread error 5.0mS (limit 2.6mS) earliest String 1 Cluster 7 Gun 11 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
2824	07/03/2010 11:54:54	Operator command, GUN String 1 Cluster 2 Gun 4 New Threshold
2781	07/03/2010 12:00:24	Sensor amplitude change error String 1: Cluster 2-Gun 4
2689	07/03/2010 12:12:10	Sensor amplitude change error String 1: Cluster 2-Gun 4
2672	07/03/2010 12:14:21	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 12:14:21	Spread error 5.1mS (limit 2.6mS) earliest String 1 Cluster 7 Gun 10 (error -0.3mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
2645	07/03/2010 12:17:49	Sensor amplitude change error String 1: Cluster 2-Gun 4
2614	07/03/2010 12:21:47	Sensor amplitude change error String 1: Cluster 2-Gun 4
2580	07/03/2010 12:26:08	Gun String 1 Cluster 2 Gun 4 (60 cu in) suspect autofire (sensor) 0.30s into shot
	07/03/2010 12:26:09	Sensor amplitude change error String 1: Cluster 2-Gun 4
2558	07/03/2010 12:28:58	Smart detection used on String 1 Cluster 2 Gun 4 (90%)
2500	07/03/2010 12:36:24	Sensor amplitude change error String 1: Cluster 2-Gun 4
2495	07/03/2010 12:37:02	Volume source 1 changed from 2360 to 2300 cu in (ideal volume 2360) 97.5%
	07/03/2010 12:37:03	String 1 Cluster 2 Gun 4(60 cu in) failed to detect fire.
	07/03/2010 12:37:03	String 1 Cluster 2 Gun 4 Solenoid volts and current look OK.
2494	07/03/2010 12:37:10	Volume source 1 changed from 2300 to 2360 cu in (ideal volume 2360) 100.0%
2468	07/03/2010 12:40:32	Sensor amplitude change error String 1: Cluster 2-Gun 4
2431	07/03/2010 12:45:15	Sensor amplitude change error String 1: Cluster 2-Gun 4
2413	07/03/2010 12:47:33	String 1 Cluster 2 Gun 4(60 cu in) fired 4.7 mS late.
	07/03/2010 12:47:33	Spread error 5.0mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 10 (error -0.3mS) latest String 1 Cluster 2 Gun 4 (error 4.7mS)
2396	07/03/2010 12:49:44	String 1 Cluster 2 Gun 4(60 cu in) fired 4.7 mS late.
	07/03/2010 12:49:44	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 12:49:44	Spread error 4.9mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 10 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.7mS)
2366	07/03/2010 12:53:33	Gun String 1 Cluster 2 Gun 4 (60 cu in) suspect autofire (sensor) 0.31s into shot
2354	07/03/2010 12:55:03	Sensor amplitude change error String 1: Cluster 2-Gun 4
2328	07/03/2010 12:58:13	String 1 Cluster 2 Gun 4(60 cu in) fired 4.9 mS late.

Line Log: DPISF-061-P1038 (continued)

Shotpoint	Log Time	Message
	07/03/2010 12:58:13	Spread error 5.0mS (limit 2.6mS) earliest String 1 Cluster 7 Gun 10 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.9mS)
2317	07/03/2010 12:59:33	Sensor amplitude change error String 1: Cluster 2-Gun 4
2316	07/03/2010 12:59:39	Smart detection used on String 1 Cluster 2 Gun 4 (96%)
2256	07/03/2010 13:06:52	Sensor amplitude change error String 1: Cluster 2-Gun 4
2228	07/03/2010 13:10:06	Sensor amplitude change error String 1: Cluster 2-Gun 4
2202	07/03/2010 13:12:51	Sensor amplitude change error String 1: Cluster 2-Gun 4
2192	07/03/2010 13:13:53	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 13:13:53	Spread error 5.0mS (limit 2.6mS) earliest String 1 Cluster 3 Gun 5 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
2191	07/03/2010 13:14:00	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 13:14:00	Spread error 5.0mS (limit 2.6mS) earliest String 1 Cluster 3 Gun 5 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
2175	07/03/2010 13:15:40	String 1 Cluster 2 Gun 4(60 cu in) fired 4.7 mS late.
	07/03/2010 13:15:40	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 13:15:40	Spread error 4.8mS (limit 2.6mS) earliest String 2 Cluster 6 Gun 9 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.7mS)
2174	07/03/2010 13:15:46	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 13:15:46	Spread error 4.9mS (limit 2.6mS) earliest String 2 Cluster 6 Gun 9 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
2146	07/03/2010 13:18:34	Sensor amplitude change error String 1: Cluster 2-Gun 4
2137	07/03/2010 13:19:28	String 1 Cluster 2 Gun 4(60 cu in) fired 4.6 mS late.
	07/03/2010 13:19:28	Spread error 4.8mS (limit 2.6mS) earliest String 1 Cluster 3 Gun 5 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.6mS)
2111	07/03/2010 13:22:04	String 1 Cluster 2 Gun 4(60 cu in) fired 4.8 mS late.
	07/03/2010 13:22:04	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 13:22:04	Spread error 5.0mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 10 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
2044	07/03/2010 13:28:48	String 1 Cluster 2 Gun 4(60 cu in) fired 4.6 mS late.
	07/03/2010 13:28:48	Spread error 4.9mS (limit 2.6mS) earliest String 1 Cluster 3 Gun 5 (error -0.3mS) latest String 1 Cluster 2 Gun 4 (error 4.6mS)
1983	07/03/2010 13:34:57	Sensor amplitude change error String 1: Cluster 2-Gun 4
1936	07/03/2010 13:39:39	Smart detection used on String 1 Cluster 2 Gun 4 (91%)
1923	07/03/2010 13:40:57	Smart detection used on String 1 Cluster 2 Gun 4 (97%)
1910	07/03/2010 13:42:16	Smart detection used on String 1 Cluster 2 Gun 4 (98%)
	07/03/2010 13:42:17	Sensor amplitude change error String 1: Cluster 2-Gun 4
1909	07/03/2010 13:42:23	String 1 Cluster 2 Gun 4(60 cu in) fired 4.5 mS late.
	07/03/2010 13:42:23	Spread error 4.7mS (limit 2.6mS) earliest String 1 Cluster 7 Gun 10 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.5mS)
1891	07/03/2010 13:44:10	Smart detection used on String 1 Cluster 2 Gun 4 (93%)
1855	07/03/2010 13:47:48	Sensor amplitude change error String 1: Cluster 2-Gun 4
1837	07/03/2010 13:49:36	Smart detection used on String 1 Cluster 2 Gun 4 (96%)
1809	07/03/2010 13:52:25	Sensor amplitude change error String 1: Cluster 2-Gun 4
1662	07/03/2010 14:07:12	String 1 Cluster 2 Gun 4(60 cu in) fired 4.6 mS late.
	07/03/2010 14:07:12	Sensor amplitude change error String 1: Cluster 2-Gun 4

Line Log: DPISF-061-P1038 (continued)

Shotpoint	Log Time	Message
	07/03/2010 14:07:12	Spread error 4.7mS (limit 2.6mS) earliest String 2 Cluster 2 Gun 3 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.6mS)
1584	07/03/2010 14:15:02	Smart detection used on String 1 Cluster 2 Gun 4 (97%)
1568	07/03/2010 14:16:38	Smart detection used on String 1 Cluster 2 Gun 4 (97%)
	07/03/2010 14:16:39	Sensor amplitude change error String 1: Cluster 2-Gun 4
1502	07/03/2010 14:23:18	Sensor amplitude change error String 1: Cluster 2-Gun 4
1453	07/03/2010 14:28:15	Sensor amplitude change error String 1: Cluster 2-Gun 4
1427	07/03/2010 14:30:52	Smart detection used on String 1 Cluster 2 Gun 4 (91%)
	07/03/2010 14:30:53	Sensor amplitude change error String 1: Cluster 2-Gun 4
1396	07/03/2010 14:33:59	Sensor amplitude change error String 1: Cluster 2-Gun 4
1313	07/03/2010 14:42:21	Sensor amplitude change error String 1: Cluster 2-Gun 4
1261	07/03/2010 14:47:34	Sensor amplitude change error String 1: Cluster 2-Gun 4
1238	07/03/2010 14:49:53	Smart detection used on String 1 Cluster 2 Gun 4 (98%)
1230	07/03/2010 14:50:42	Sensor amplitude change error String 1: Cluster 2-Gun 4
1226	07/03/2010 14:51:06	String 1 Cluster 2 Gun 4(60 cu in) fired 4.7 mS late.
	07/03/2010 14:51:06	Spread error 4.9mS (limit 2.6mS) earliest String 2 Cluster 1 Gun 2 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.7mS)
1223	07/03/2010 14:51:23	String 1 Cluster 2 Gun 4(60 cu in) fired 4.3 mS late.
	07/03/2010 14:51:23	Spread error 4.4mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 11 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.3mS)
1212	07/03/2010 14:52:37	Operator command, All GUNs Disable
	07/03/2010 14:52:40	END OF LINE shot 1212 time 3-7-2010 14:52:30.000769
	07/03/2010 14:52:40	Atmospheric manual - 1000mB
	07/03/2010 14:52:40	EOL Guns enabled/disabled compared to nominal array: String 1 Cluster 1 Gun 1 150 cu in. disabled. String 1 Cluster 1 Gun 2 150 cu in. disabled.
	07/03/2010 14:52:40	String 1 Cluster 2 Gun 3 60 cu in. disabled. String 1 Cluster 2 Gun 4 60 cu in. disabled. String 1 Cluster 3 Gun 5 20 cu in. disabled. String 1 Cluster 4 Gun 6 40 cu in. disabled.
	07/03/2010 14:52:40	String 1 Cluster 5 Gun 7 60 cu in. disabled. String 1 Cluster 6 Gun 9 100 cu in. disabled. String 1 Cluster 7 Gun 10 250 cu in. disabled. String 1 Cluster 7 Gun 11 250 cu in. disabled.
	07/03/2010 14:52:40	String 2 Cluster 1 Gun 1 150 cu in. disabled. String 2 Cluster 1 Gun 2 150 cu in. disabled. String 2 Cluster 2 Gun 3 150 cu in. disabled. String 2 Cluster 3 Gun 5 70 cu in. disabled.
	07/03/2010 14:52:40	String 2 Cluster 4 Gun 6 40 cu in. disabled. String 2 Cluster 5 Gun 7 20 cu in. disabled. String 2 Cluster 6 Gun 8 70 cu in. disabled. String 2 Cluster 6 Gun 9 70 cu in. disabled.
	07/03/2010 14:52:40	String 2 Cluster 7 Gun 10 250 cu in. disabled. String 2 Cluster 7 Gun 11 250 cu in. disabled.
	07/03/2010 14:52:40	EOL Volume source 1 2360 cu in.
	07/03/2010 14:52:40	EOL String pressures 1:2047.0 PSI 2:2004.0 PSI
		Total shotpoints on line = 4294. Shotpoints with errors of any type 489 (11.4%) Shotpoints with gun errors (not depth, pressure or autofire errors) 489 (11.4%)
		Shotpoints with misfires 1 (0.0%)
		Shotpoints with bad timing 50 (1.2%)

Line Log: DPISF-061-P1038 (continued)

Shotpoint	Log Time	Message
		Shotpoints with solenoid controller errors 375 (8.7%)
		Shotpoints with possible autofires detected 79 (1.8%)