

## Line Log

Line Name: DPISF-063-P1039  
 Start time: 07/03/2010 15:40:25

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

Shotpoint	Log Time	Message
1230	07/03/2010 15:40:26	Volume source 1 2360 cu in (ideal volume 2360) 100.0%
	07/03/2010 15:40:26	SOL String pressures 1:2096.0 PSI 2:2067.0 PSI
	07/03/2010 15:40:26	First good shot 1230. Line 'DPISF-063-P1039' time 3-7-2010 15:40:25.615488
	07/03/2010 15:40:26	Atmospheric manual - 1000mB
	07/03/2010 15:40:26	SOL Full nominal array enabled, all spare guns disabled.
1268	07/03/2010 15:44:56	Sensor amplitude change error String 1: Cluster 2-Gun 4
1321	07/03/2010 15:51:30	Sensor amplitude change error String 1: Cluster 2-Gun 4
1372	07/03/2010 15:57:40	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.9 mS late.
	07/03/2010 15:57:40	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 15:57:40	Spread error 5.0mS (limit 2.6mS) earliest String 2 Cluster 6 Gun 9 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.9mS)
1415	07/03/2010 16:02:51	Sensor amplitude change error String 1: Cluster 2-Gun 4
1471	07/03/2010 16:09:08	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.8 mS late.
	07/03/2010 16:09:08	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 16:09:08	Spread error 5.0mS (limit 2.6mS) earliest String 1 Cluster 7 Gun 10 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
1500	07/03/2010 16:12:30	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.8 mS late.
	07/03/2010 16:12:30	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 16:12:30	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)
1529	07/03/2010 16:15:45	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.5 mS late.
	07/03/2010 16:15:45	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 16:15:45	Spread error 4.8mS (limit 2.6mS) earliest String 2 Cluster 1 Gun 2 (error -0.3mS) latest String 1 Cluster 2 Gun 4 (error 4.5mS)
1536	07/03/2010 16:16:30	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.6 mS late.
	07/03/2010 16:16:30	Spread error 4.8mS (limit 2.6mS) earliest String 2 Cluster 5 Gun 7 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.6mS)
1539	07/03/2010 16:16:51	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.8 mS late.
	07/03/2010 16:16:51	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)
1541	07/03/2010 16:17:05	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.7 mS late.
	07/03/2010 16:17:05	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)
1555	07/03/2010 16:18:42	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.6 mS late.
	07/03/2010 16:18:42	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)
1659	07/03/2010 16:30:39	Smart detection used on String 1 Cluster 2 Gun 4 (91%)
1832	07/03/2010 16:50:44	Smart detection used on String 1 Cluster 2 Gun 4 (92%)
	07/03/2010 16:50:45	Sensor amplitude change error String 1: Cluster 2-Gun 4
1862	07/03/2010 16:54:06	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.8 mS late.
	07/03/2010 16:54:06	Sensor amplitude change error String 1: Cluster 2-Gun 4

## Line Log: DPISF-063-P1039 (continued)

Shotpoint	Log Time	Message
	07/03/2010 16:54:06	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)
1904	07/03/2010 16:59:00	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.7 mS late.
	07/03/2010 16:59:00	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 16:59:00	Spread error 4.8mS (limit 2.6mS) earliest String 2 Cluster 7 Gun 10 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.7mS)
1963	07/03/2010 17:05:34	Sensor amplitude change error String 1: Cluster 2-Gun 4
1985	07/03/2010 17:08:00	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.8 mS late.
	07/03/2010 17:08:00	Spread error 4.9mS (limit 2.6mS) earliest String 2 Cluster 5 Gun 7 (error -0.1mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
2007	07/03/2010 17:10:27	Smart detection used on String 1 Cluster 2 Gun 4 (93%)
	07/03/2010 17:10:28	Sensor amplitude change error String 1: Cluster 2-Gun 4
2014	07/03/2010 17:11:17	Smart detection used on String 1 Cluster 2 Gun 4 (92%)
2037	07/03/2010 17:13:58	Smart detection used on String 1 Cluster 2 Gun 4 (94%)
	07/03/2010 17:13:58	Sensor amplitude change error String 1: Cluster 2-Gun 4
2082	07/03/2010 17:19:05	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.7 mS late.
	07/03/2010 17:19:05	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 17:19:05	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)
2087	07/03/2010 17:19:41	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.8 mS late.
	07/03/2010 17:19:41	Spread error 5.0mS (limit 2.6mS) earliest String 2 Cluster 5 Gun 7 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.8mS)
2088	07/03/2010 17:19:47	Sensor amplitude change error String 1: Cluster 7-Gun 10
2168	07/03/2010 17:29:33	Missed Shot(s). Last S.P. 2166 this shot 2168 (expected increment/decrement 1)
2288	07/03/2010 17:42:59	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.8 mS late.
	07/03/2010 17:42:59	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 17:42:59	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)
2315	07/03/2010 17:46:12	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.5 mS late.
	07/03/2010 17:46:12	Sensor amplitude change error String 1: Cluster 2-Gun 4
	07/03/2010 17:46:12	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)
2351	07/03/2010 17:50:15	Sensor amplitude change error String 1: Cluster 2-Gun 4
2352	07/03/2010 17:50:22	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.4 mS late.
	07/03/2010 17:50:22	Spread error 4.6mS (limit 2.6mS) earliest String 2 Cluster 6 Gun 8 (error -0.2mS) latest String 1 Cluster 2 Gun 4 (error 4.4mS)
2404	07/03/2010 17:56:29	String 1 Cluster 2 Gun 4( 60 cu in) fired 4.7 mS late.
	07/03/2010 17:56:29	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)
2446	07/03/2010 18:01:31	Sensor amplitude change error String 1: Cluster 2-Gun 4
2485	07/03/2010 18:06:09	Volume source 1 changed from 2360 to 2110 cu in (ideal volume 2360) 89.4%
	07/03/2010 18:06:09	String 1 Cluster 7 Gun 10(250 cu in) fired 2.4 mS late.
	07/03/2010 18:06:09	String 1 Cluster 7 Gun 11(250 cu in) fired 2.8 mS late.
	07/03/2010 18:06:09	String 2 Cluster 7 Gun 10(250 cu in) fired 2.4 mS late.
	07/03/2010 18:06:09	String 2 Cluster 7 Gun 11(250 cu in) failed to detect fire.

## Line Log: DPISF-063-P1039 (continued)

Shotpoint	Log Time	Message
	07/03/2010 18:06:09	String 2 Cluster 7 Gun 11 Solenoid volts and current look OK.
	07/03/2010 18:06:09	Sensor amplitude change error String 1: Cluster 7-Gun 11
	07/03/2010 18:06:09	Spread error 3.0mS (limit 2.6mS) earliest String 1 Cluster 3 Gun 5 (error -0.2mS) latest String 1 Cluster 7 Gun 11 (error 2.8mS)
2486	07/03/2010 18:06:15	Volume source 1 changed from 2110 to 2360 cu in (ideal volume 2360) 100.0%
2523	07/03/2010 18:10:31	Sensor amplitude change error String 1: Cluster 2-Gun 4
2597	07/03/2010 18:18:59	Missed Shot(s). Last S.P. 2595 this shot 2597 (expected increment/decrement 1)
2622	07/03/2010 18:22:30	Sensor amplitude change error String 1: Cluster 2-Gun 4
2657	07/03/2010 18:27:16	Sensor amplitude change error String 1: Cluster 2-Gun 4
2671	07/03/2010 18:28:59	END OF LINE shot 2671 time 3-7-2010 18:28:53.973231
	07/03/2010 18:28:59	Atmospheric manual - 1000mB
	07/03/2010 18:28:59	EOL Full nominal array enabled, all spare guns disabled.
	07/03/2010 18:28:59	EOL Volume source 1 2360 cu in.
	07/03/2010 18:28:59	EOL String pressures 1:2112.0 PSI 2:2075.0 PSI
		Total shotpoints on line = 1440. Shotpoints with errors of any type 107 (7.4%)
		Shotpoints with gun errors (not depth, pressure or autofire errors) 107 (7.4%)
		Shotpoints with misfires 1 (0.1%)
		Shotpoints with bad timing 18 (1.2%)
		Shotpoints with solenoid controller errors 90 (6.2%)