

## Line Log

Line Name: DPISF-S12-P1081  
 Start time: 30/03/2010 08:54:11

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

Shotpoint	Log Time	Message
1001	30/03/2010 08:54:12	Volume source 1 2360 cu in (ideal volume 2360) 100.0%
	30/03/2010 08:54:12	SOL String pressures 1:1966.0 PSI 2:1971.0 PSI
	30/03/2010 08:54:12	First good shot 1001. Line 'DPISF-S12-P1081' time 3-30-2010 8:54:11.850363
	30/03/2010 08:54:12	Atmospheric manual - 1000mB
	30/03/2010 08:54:12	SOL Guns enabled/disabled compared to nominal array: String 2 Cluster 2 Gun 3 150 cu in. disabled. String 2 Cluster 2 Gun 4 150 cu in. (spare) enabled.
1037	30/03/2010 08:57:42	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 0.89s into shot
1062	30/03/2010 09:00:07	Gun Depth Errors: String 2 Cluster 3 4.3M, String 2 Cluster 4 3.5M, String 2 Cluster 5 2.8M, String 2 Cluster 6 2.0M
1065	30/03/2010 09:00:25	Gun Depth Errors: String 2 Cluster 2 4.7M, String 2 Cluster 3 3.9M, String 2 Cluster 4 3.0M, String 2 Cluster 5 2.1M AND MORE
1142	30/03/2010 09:07:55	Gun Depth Errors: String 2 Cluster 2 1.8M
1165	30/03/2010 09:10:09	Gun Depth Errors: String 2 Cluster 2 4.8M, String 2 Cluster 3 3.9M, String 2 Cluster 4 3.1M, String 2 Cluster 5 2.3M AND MORE
1233	30/03/2010 09:16:47	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 0.11s into shot
1339	30/03/2010 09:27:05	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 0.19s into shot
1376	30/03/2010 09:30:40	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 0.32s into shot
1438	30/03/2010 09:36:42	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 5.56s into shot
1446	30/03/2010 09:37:29	Gun Depth Errors: String 2 Cluster 2 4.7M, String 2 Cluster 3 3.8M, String 2 Cluster 4 2.9M, String 2 Cluster 5 2.1M AND MORE
1465	30/03/2010 09:39:21	Gun Depth Errors: String 2 Cluster 2 4.8M, String 2 Cluster 3 3.9M, String 2 Cluster 4 3.1M, String 2 Cluster 5 2.3M AND MORE
1521	30/03/2010 09:44:48	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 0.31s into shot
1637	30/03/2010 09:56:06	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 0.13s into shot
1663	30/03/2010 09:58:39	Gun Depth Errors: String 2 Cluster 2 2.4M
1666	30/03/2010 09:58:56	Gun Depth Errors: String 2 Cluster 2 4.7M, String 2 Cluster 3 3.8M, String 2 Cluster 4 2.9M, String 2 Cluster 5 2.0M AND MORE
1749	30/03/2010 10:07:00	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.21s into shot
2047	30/03/2010 10:36:08	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 4.63s into shot
2411	30/03/2010 11:11:29	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 0.31s into shot
2415	30/03/2010 11:11:52	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.49s into shot
2474	30/03/2010 11:17:38	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.43s into shot
2539	30/03/2010 11:23:58	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.21s into shot
2643	30/03/2010 11:34:07	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.36s into shot
2696	30/03/2010 11:39:16	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.35s into shot
2866	30/03/2010 11:55:44	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 0.40s into shot
2901	30/03/2010 11:59:09	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.26s into shot
2910	30/03/2010 12:00:01	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.43s into shot
2915	30/03/2010 12:00:30	Gun String 2 Cluster 3 Gun 5 (70 cu in) suspect autofire (sensor) 0.32s into shot
2926	30/03/2010 12:01:38	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 3.62s into shot
2998	30/03/2010 12:08:39	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 3.54s into shot
3163	30/03/2010 12:24:38	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 0.38s into shot

## Line Log: DPISF-S12-P1081 (continued)

Shotpoint	Log Time	Message
3450	30/03/2010 12:52:32	Node 3 ad - DataPCI_Thread: GPS fractional seconds time for 1PPS was 144 - expected j=130
	30/03/2010 12:52:32	Node 4 ad - DataPCI_Thread: GPS fractional seconds time for 1PPS was 144 - expected j=130
3465	30/03/2010 12:54:04	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 3.52s into shot
3992	30/03/2010 13:45:14	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 0.14s into shot
3994	30/03/2010 13:45:26	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.36s into shot
4190	30/03/2010 14:04:29	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 0.17s into shot
4197	30/03/2010 14:05:10	Gun String 2 Cluster 3 Gun 5 (70 cu in) suspect autofire (sensor) 0.43s into shot
4254	30/03/2010 14:10:43	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.34s into shot
4309	30/03/2010 14:16:03	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.45s into shot
4374	30/03/2010 14:22:23	Gun String 2 Cluster 3 Gun 5 (70 cu in) suspect autofire (sensor) 1.12s into shot
4543	30/03/2010 14:38:49	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 0.31s into shot
4604	30/03/2010 14:44:46	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 0.28s into shot
4606	30/03/2010 14:44:58	Gun String 2 Cluster 3 Gun 5 (70 cu in) suspect autofire (sensor) 0.32s into shot
4660	30/03/2010 14:50:17	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 4.10s into shot
4749	30/03/2010 14:58:53	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.35s into shot
4769	30/03/2010 15:00:49	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.20s into shot
4770	30/03/2010 15:00:58	Gun String 2 Cluster 3 Gun 5 (70 cu in) suspect autofire (sensor) 3.18s into shot
4838	30/03/2010 15:07:33	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.51s into shot
4878	30/03/2010 15:11:27	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.20s into shot
4955	30/03/2010 15:18:56	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.20s into shot
4973	30/03/2010 15:20:42	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 2.30s into shot
4999	30/03/2010 15:23:12	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.29s into shot
5060	30/03/2010 15:29:08	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.48s into shot
5072	30/03/2010 15:30:18	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.29s into shot
5123	30/03/2010 15:35:17	shotSeq - Pre-solenoid trigger autofire positive threshold detect, sample 190
	30/03/2010 15:35:17	String 2 Cluster 2 Gun 4(150 cu in) fired 7.1 mS early. autofire detected before solenoid triggered.
	30/03/2010 15:35:17	Spread error 7.3mS (limit 2.6mS) earliest String 2 Cluster 2 Gun 4 (error -7.1mS) latest String 1 Cluster 7 Gun 10 (error 0.2mS)
5126	30/03/2010 15:35:37	Operator command, GUN String 2 Cluster 2 Gun 4 New Threshold
5127	30/03/2010 15:35:40	Operator command, GUN String 2 Cluster 2 Gun 4 New Threshold
5128	30/03/2010 15:35:47	Operator command, GUN String 2 Cluster 6 Gun 8 New Threshold
5140	30/03/2010 15:36:55	Volume source 1 changed from 2360 to 2290 cu in (ideal volume 2360) 97.0%
	30/03/2010 15:36:56	String 2 Cluster 6 Gun 8( 70 cu in) failed to detect fire.
	30/03/2010 15:36:56	String 2 Cluster 6 Gun 8 Solenoid volts and current look OK.
5141	30/03/2010 15:37:01	Volume source 1 changed from 2290 to 2360 cu in (ideal volume 2360) 100.0%
	30/03/2010 15:37:04	Operator command, GUN String 2 Cluster 6 Gun 8 New Threshold
5523	30/03/2010 16:14:10	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.48s into shot
6554	30/03/2010 17:54:32	String 2 Cluster 4 Gun 6 ( 40 cu in) Solenoid Volts OK (desired 160V preShot 160V postShot 81V) Current error (over current) expected 7.4A achieved peak 9.1A
7258	30/03/2010 19:03:04	String 2 Cluster 2 Gun 4(150 cu in) fired 2.4 mS late.
7366	30/03/2010 19:13:34	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.37s into shot
7659	30/03/2010 19:42:07	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.41s into shot

## Line Log: DPISF-S12-P1081 (continued)

Shotpoint	Log Time	Message
7721	30/03/2010 19:48:09	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.35s into shot
8098	30/03/2010 20:24:50	Volume source 1 changed from 2360 to 2290 cu in (ideal volume 2360) 97.0%
	30/03/2010 20:24:51	String 2 Cluster 6 Gun 8( 70 cu in) failed to detect fire.
	30/03/2010 20:24:51	String 2 Cluster 6 Gun 8 Solenoid volts and current look OK.
8099	30/03/2010 20:24:56	Volume source 1 changed from 2290 to 2360 cu in (ideal volume 2360) 100.0%
8226	30/03/2010 20:37:17	Volume source 1 changed from 2360 to 2290 cu in (ideal volume 2360) 97.0%
	30/03/2010 20:37:18	String 2 Cluster 6 Gun 8( 70 cu in) failed to detect fire.
	30/03/2010 20:37:18	String 2 Cluster 6 Gun 8 Solenoid volts and current look OK.
8227	30/03/2010 20:37:23	Volume source 1 changed from 2290 to 2360 cu in (ideal volume 2360) 100.0%
8254	30/03/2010 20:40:01	Volume source 1 changed from 2360 to 2290 cu in (ideal volume 2360) 97.0%
	30/03/2010 20:40:02	String 2 Cluster 6 Gun 8( 70 cu in) failed to detect fire.
	30/03/2010 20:40:02	String 2 Cluster 6 Gun 8 Solenoid volts and current look OK.
8255	30/03/2010 20:40:07	Volume source 1 changed from 2290 to 2360 cu in (ideal volume 2360) 100.0%
8491	30/03/2010 21:03:04	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.36s into shot
9747	30/03/2010 23:05:12	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.36s into shot
9805	30/03/2010 23:10:49	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.11s into shot
9932	30/03/2010 23:23:11	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.15s into shot
9951	30/03/2010 23:25:03	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.36s into shot
9964	30/03/2010 23:26:24	Gun String 2 Cluster 2 Gun 4 (150 cu in) suspect autofire (sensor) 4.92s into shot
9983	30/03/2010 23:28:10	Gun String 2 Cluster 3 Gun 5 (70 cu in) suspect autofire (sensor) 0.33s into shot
10177	30/03/2010 23:47:01	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.58s into shot
10223	30/03/2010 23:51:30	Gun String 2 Cluster 6 Gun 8 (70 cu in) suspect autofire (sensor) 0.57s into shot
10472	31/03/2010 00:16:28	END OF LINE shot 10472 time 3-31-2010 0:16:17.857100
	31/03/2010 00:16:28	Atmospheric manual - 1000mB
	31/03/2010 00:16:28	EOL Guns enabled/disabled compared to nominal array: String 2 Cluster 2 Gun 3 150 cu in. disabled. String 2 Cluster 2 Gun 4 150 cu in. (spare) enabled.
	31/03/2010 00:16:28	EOL Volume source 1 2360 cu in.
	31/03/2010 00:16:28	EOL String pressures 1:1964.0 PSI 2:1981.0 PSI
		Total shotpoints on line = 9472. Shotpoints with errors of any type 62 (0.7%)
		Shotpoints with gun errors (not depth, pressure or autofire errors) 54 (0.6%)
		Shotpoints with misfires 4 (0.0%)
		Shotpoints with bad timing 2 (0.0%)
		Shotpoints with possible autofires detected 49 (0.5%)
		Shotpoints with gun depth errors 8 (0.1%)