

## Line Log

Line Name: Off-Line

Start Of Line: 26/11/2004 08:56:45

Shotpoint	Log Time	Message
	26/11/2004 08:56:45	LINE START - Off-Line shot 0 time 11-26-2004 8:56:45.615000
1561	26/11/2004 08:56:50	Operator Command SHOT DISABLE
	26/11/2004 08:59:16	Operator command, All GUNs Disable
	26/11/2004 08:59:20	Operator command, GUN String_2 Cluster_5 Gun_7 Enable
	26/11/2004 08:59:25	Operator Command INTNL SINGLE ARRAY
1562	26/11/2004 08:59:27	SOL String pressures 1:2185.0 PSI 2:2140.3 PSI 3:2137.0 PSI
	26/11/2004 08:59:27	Volume source 1 100 cu in (ideal volume 3040) 3.3%
1766	26/11/2004 10:00:46	Operator command, GUN String_2 Cluster_6 Gun_8 Enable
	26/11/2004 10:00:47	Operator command, GUN String_2 Cluster_5 Gun_7 Disable
1767	26/11/2004 10:00:57	Volume source 1 changed from 100 to 70 cu in (ideal volume 3040) 2.3%
1915	26/11/2004 10:45:34	Operator Command Soft Start initialised
1916	26/11/2004 10:45:39	Volume source 1 changed from 70 to 0 cu in (ideal volume 3040) 0.0%
	26/11/2004 10:45:44	Operator command, All GUNs Enable(except spares)
1917	26/11/2004 10:45:57	Volume source 1 changed from 0 to 40 cu in (ideal volume 3040) 1.3%
1920	26/11/2004 10:46:51	Volume source 1 changed from 40 to 80 cu in (ideal volume 3040) 2.6%
1924	26/11/2004 10:48:03	Volume source 1 changed from 80 to 150 cu in (ideal volume 3040) 4.9%
1928	26/11/2004 10:49:15	Volume source 1 changed from 150 to 220 cu in (ideal volume 3040) 7.2%
1932	26/11/2004 10:50:27	Volume source 1 changed from 220 to 290 cu in (ideal volume 3040) 9.5%
1936	26/11/2004 10:51:39	Volume source 1 changed from 290 to 390 cu in (ideal volume 3040) 12.8%
1943	26/11/2004 10:53:45	Volume source 1 changed from 390 to 490 cu in (ideal volume 3040) 16.1%
1947	26/11/2004 10:54:57	Volume source 1 changed from 490 to 590 cu in (ideal volume 3040) 19.4%
1951	26/11/2004 10:56:09	Volume source 1 changed from 590 to 690 cu in (ideal volume 3040) 22.7%
1955	26/11/2004 10:57:21	Volume source 1 changed from 690 to 790 cu in (ideal volume 3040) 26.0%
1959	26/11/2004 10:58:33	Volume source 1 changed from 790 to 940 cu in (ideal volume 3040) 30.9%
1962	26/11/2004 10:59:27	Volume source 1 changed from 940 to 1090 cu in (ideal volume 3040) 35.9%
1966	26/11/2004 11:00:39	Volume source 1 changed from 1090 to 1240 cu in (ideal volume 3040) 40.8%
1970	26/11/2004 11:01:51	Volume source 1 changed from 1240 to 1390 cu in (ideal volume 3040) 45.7%
1974	26/11/2004 11:03:03	Volume source 1 changed from 1390 to 1540 cu in (ideal volume 3040) 50.7%
1982	26/11/2004 11:05:27	Volume source 1 changed from 1540 to 1690 cu in (ideal volume 3040) 55.6%
1985	26/11/2004 11:06:21	Spread error 2.3mS (limit 2.0mS) earliest String_1 Cluster_2 Gun_3 (error -0.2mS) latest String_1 Cluster_1 Gun_1 (error 2.1mS)
	26/11/2004 11:06:21	String_1 Cluster_1 Gun_1 (250 cu in) fired 2.1 mS late.
	26/11/2004 11:06:22	Volume source 1 changed from 1690 to 1940 cu in (ideal volume 3040) 63.8%
1987	26/11/2004 11:06:57	String_1 Cluster_1 Gun_1 (250 cu in) fired 1.4 mS early.
1993	26/11/2004 11:08:45	Spread error 2.7mS (limit 2.0mS) earliest String_3 Cluster_3 Gun_5 (error -0.2mS) latest String_3 Cluster_1 Gun_1 (error 2.5mS)
	26/11/2004 11:08:45	String_3 Cluster_1 Gun_1 (250 cu in) fired 2.5 mS late.
	26/11/2004 11:08:46	Volume source 1 changed from 1940 to 2190 cu in (ideal volume 3040) 72.0%
1994	26/11/2004 11:09:03	Spread error 2.6mS (limit 2.0mS) earliest String_3 Cluster_1 Gun_1 (error -2.5mS) latest String_1 Cluster_2 Gun_4 (error 0.1mS)
	26/11/2004 11:09:03	String_3 Cluster_1 Gun_1 (250 cu in) fired 2.5 mS early.

## Line Log: Off-Line (continued)

Shotpoint	Log Time	Message
1997	26/11/2004 11:09:57	Spread error 2.8mS (limit 2.0mS) earliest String_3 Cluster_3 Gun_5 (error -0.1mS) latest String_3 Cluster_1 Gun_2 (error 2.7mS)
	26/11/2004 11:09:57	String_3 Cluster_1 Gun_2 (250 cu in) fired 2.7 mS late.
	26/11/2004 11:09:57	Volume source 1 changed from 2190 to 2440 cu in (ideal volume 3040) 80.3%
1998	26/11/2004 11:10:15	Spread error 2.8mS (limit 2.0mS) earliest String_3 Cluster_1 Gun_2 (error -2.7mS) latest String_3 Cluster_1 Gun_1 (error 0.1mS)
	26/11/2004 11:10:15	String_3 Cluster_1 Gun_2 (250 cu in) fired 2.7 mS early.
2009	26/11/2004 11:13:33	Spread error 2.3mS (limit 2.0mS) earliest String_3 Cluster_6 Gun_9 (error -0.1mS) latest String_2 Cluster_2 Gun_3 (error 2.2mS)
	26/11/2004 11:13:33	String_2 Cluster_2 Gun_3 (300 cu in) fired 2.2 mS late.
	26/11/2004 11:13:33	Volume source 1 changed from 2440 to 2740 cu in (ideal volume 3040) 90.1%
2010	26/11/2004 11:13:51	Spread error 2.4mS (limit 2.0mS) earliest String_2 Cluster_2 Gun_3 (error -2.3mS) latest String_3 Cluster_4 Gun_7 (error 0.1mS)
	26/11/2004 11:13:51	String_2 Cluster_2 Gun_3 (300 cu in) fired 2.3 mS early.
2012	26/11/2004 11:14:27	String_2 Cluster_2 Gun_4 (300 cu in) fired 1.6 mS late.
	26/11/2004 11:14:28	Volume source 1 changed from 2740 to 3040 cu in (ideal volume 3040)
2013	26/11/2004 11:14:45	String_2 Cluster_2 Gun_4 (300 cu in) fired 1.6 mS early.
2046	26/11/2004 11:24:43	Operator Command SHOT DISABLE
	26/11/2004 11:25:41	Operator Command INTNL SINGLE ARRAY
2051	26/11/2004 11:27:09	Operator Command EXTERNAL fire
	26/11/2004 11:27:17	Timeout on message read from Navigation system
	26/11/2004 11:27:42	Timeout on message read from Navigation system
1518	26/11/2004 11:27:57	Missed Shot(s). Last S.P. 2051 this shot 1518 (expected increment/decrement 1)
1538	26/11/2004 11:31:10	Start of line OEP04-03-03-046 shot 1538
		Totalshots on line = 510 Shots with one or more errors 9 (1.8%)
		Shots with bad timing 9 (1.8%)