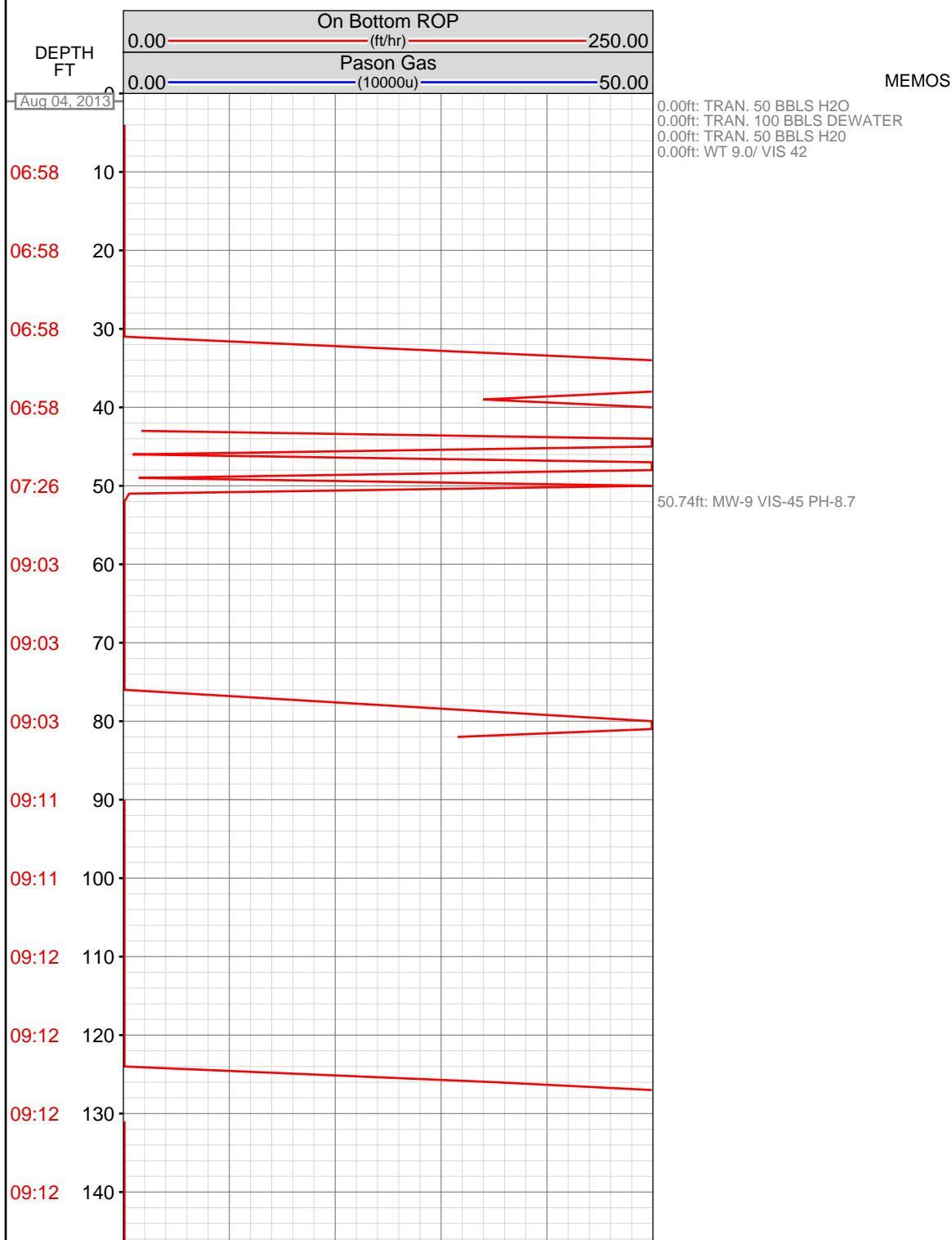


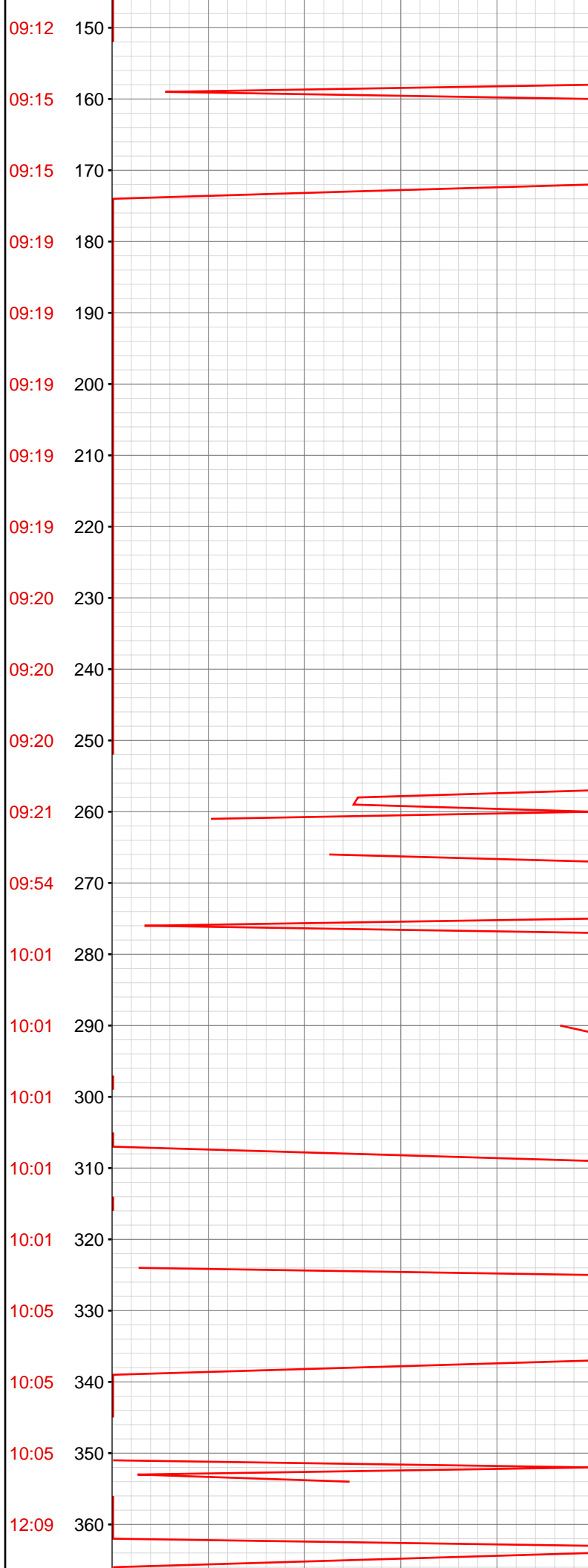
DataHub EDR Log

Mon Aug 12, 2013 09:27:13
Well Dossier 1375588488
Greg Veregin

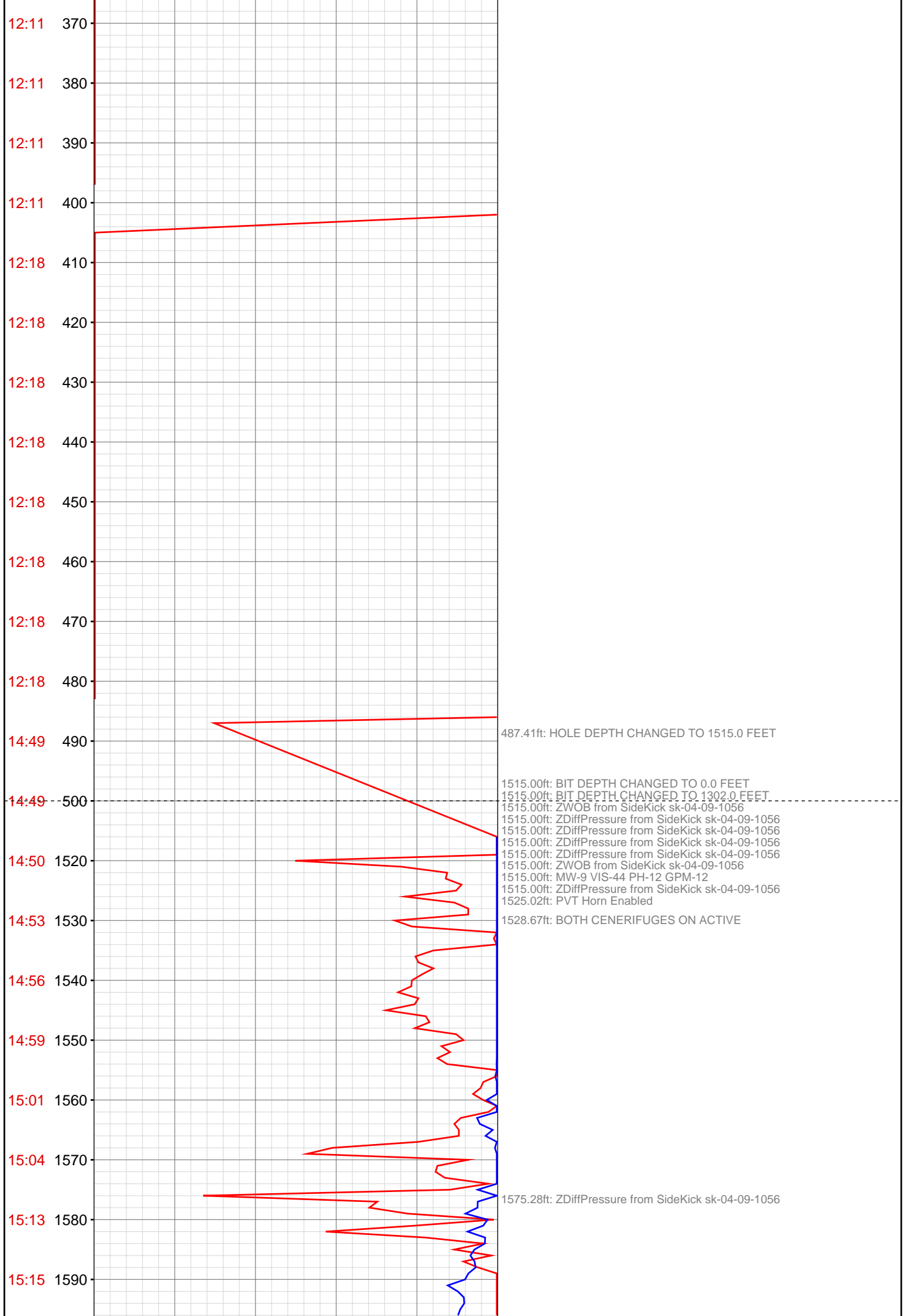
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: HAGEN FEDERAL 15-16B
FIELD:
LOCATION:
COUNTRY: USA
RIG: Pat-UTI 303

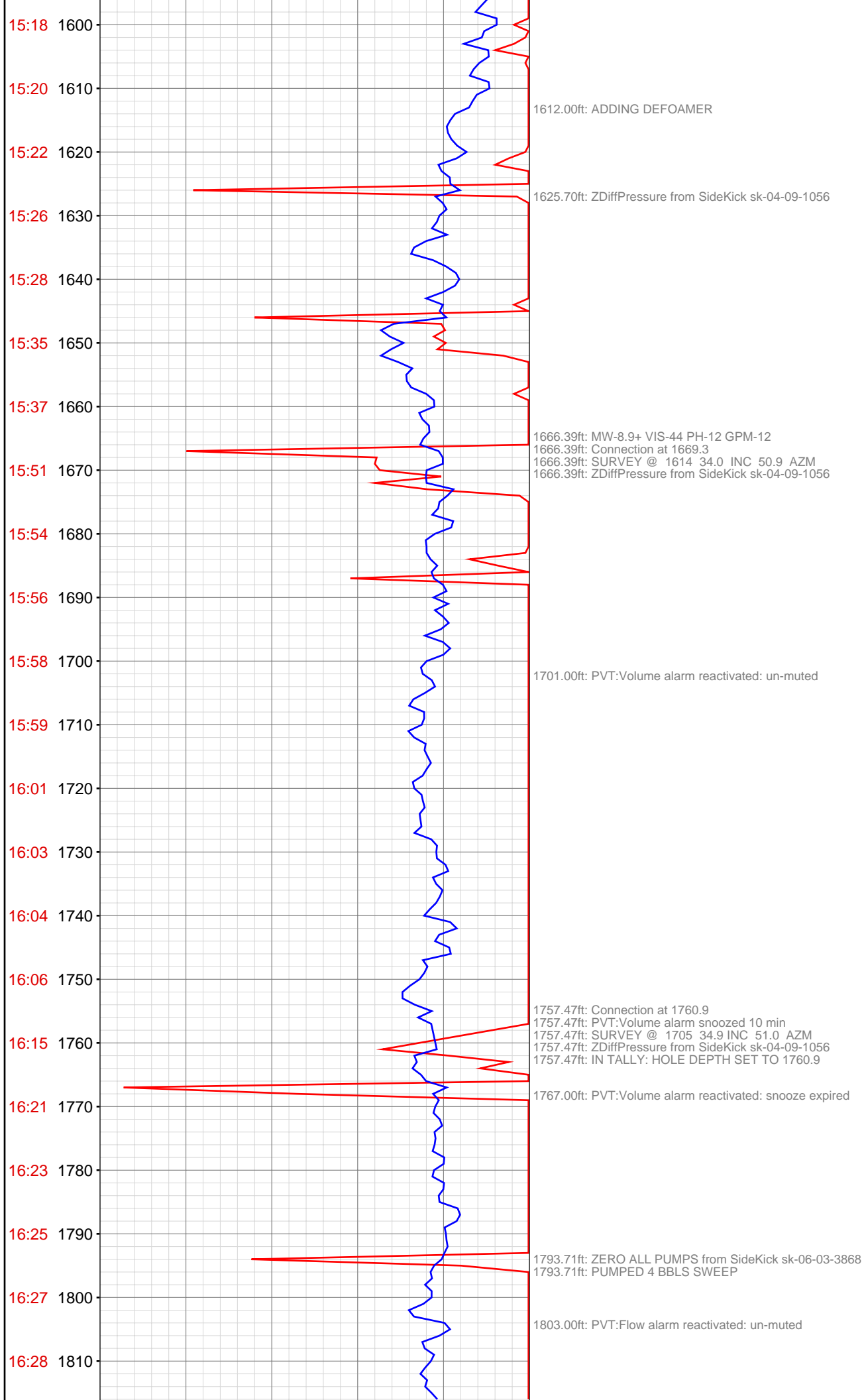
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05-045-22009
SPUD DATE: Aug 04, 2013 15:00
RELEASE DATE: Aug 09, 2013 23:30

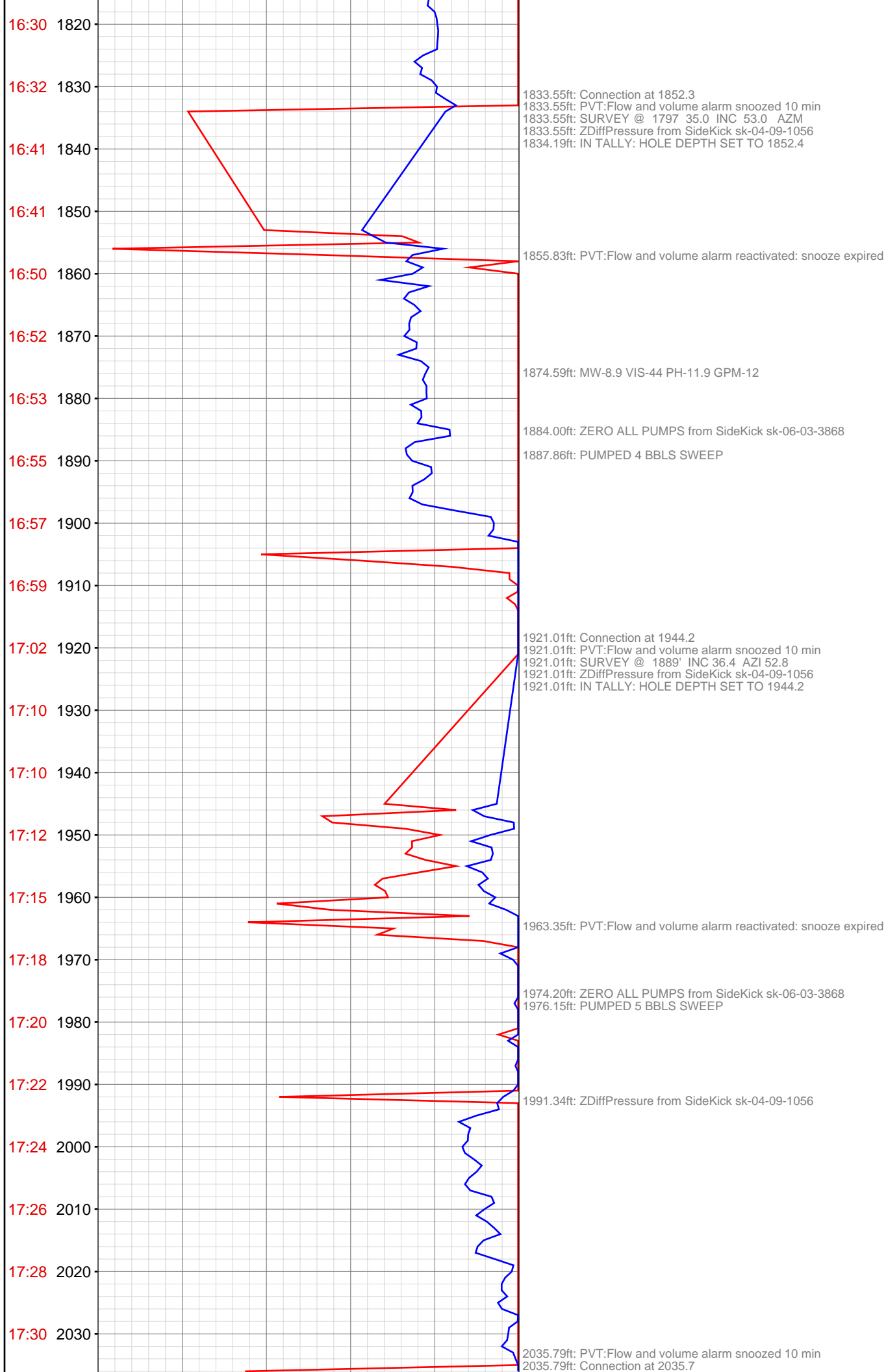


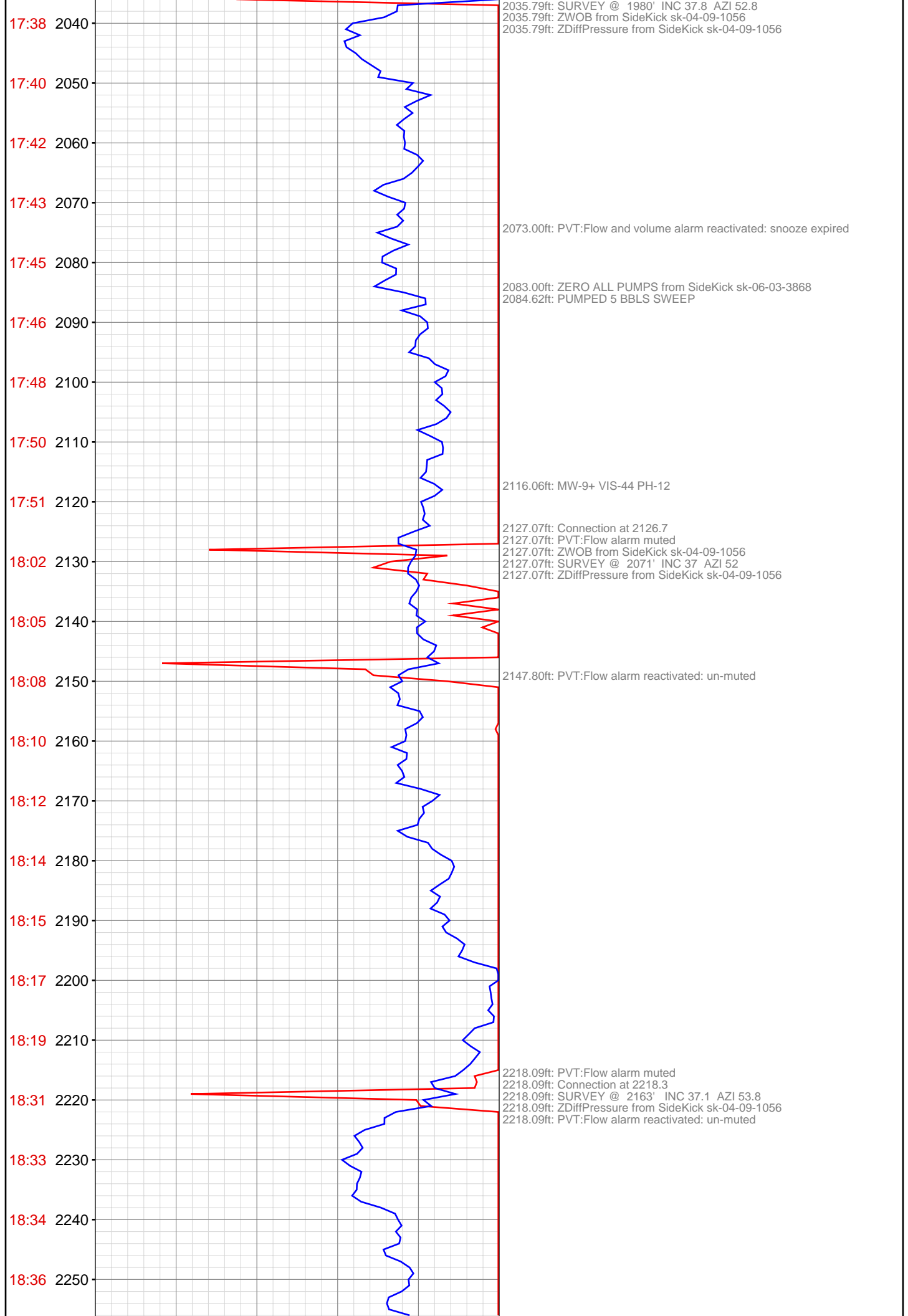


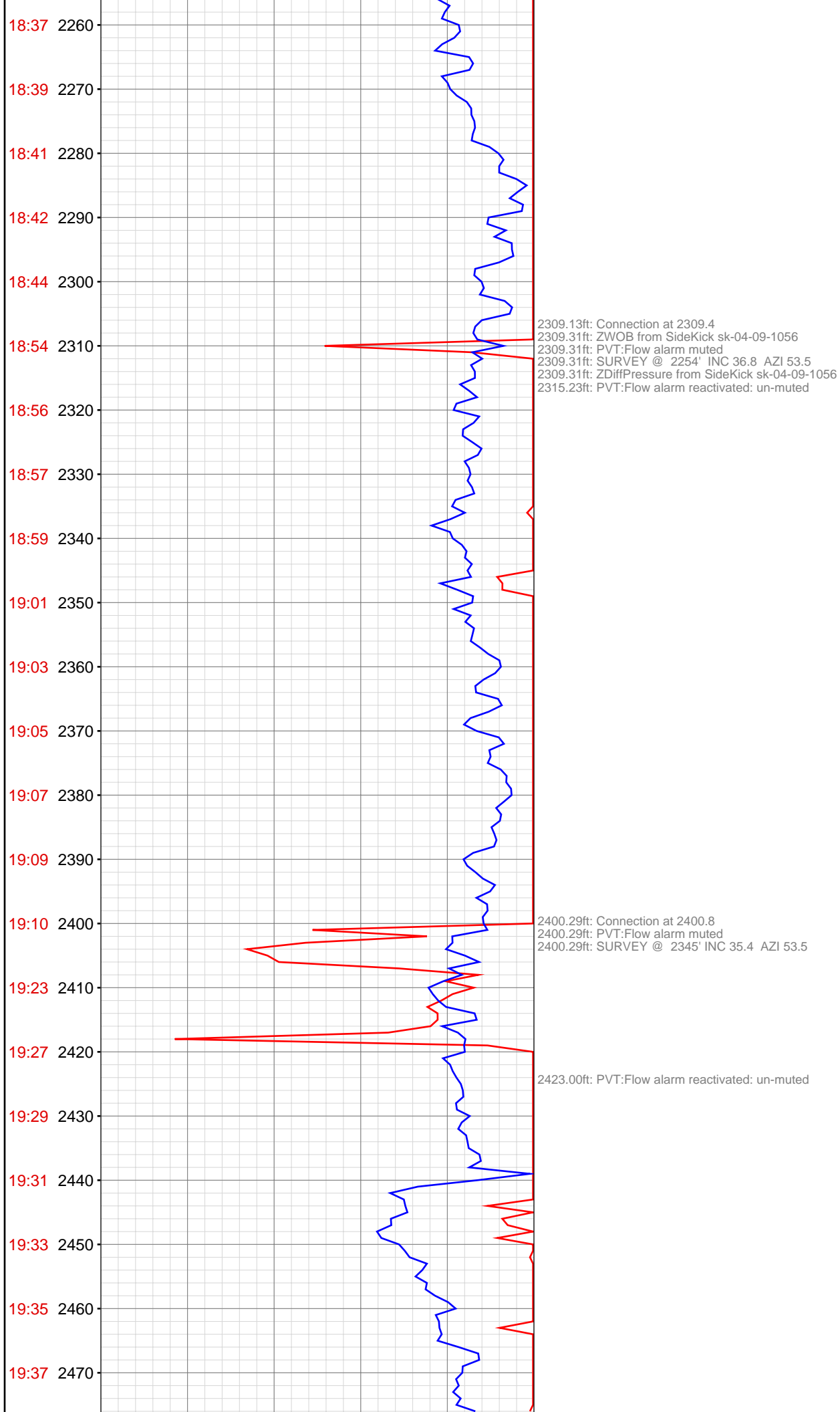
353.44ft: MW-9 VIS-47 PH-8.5

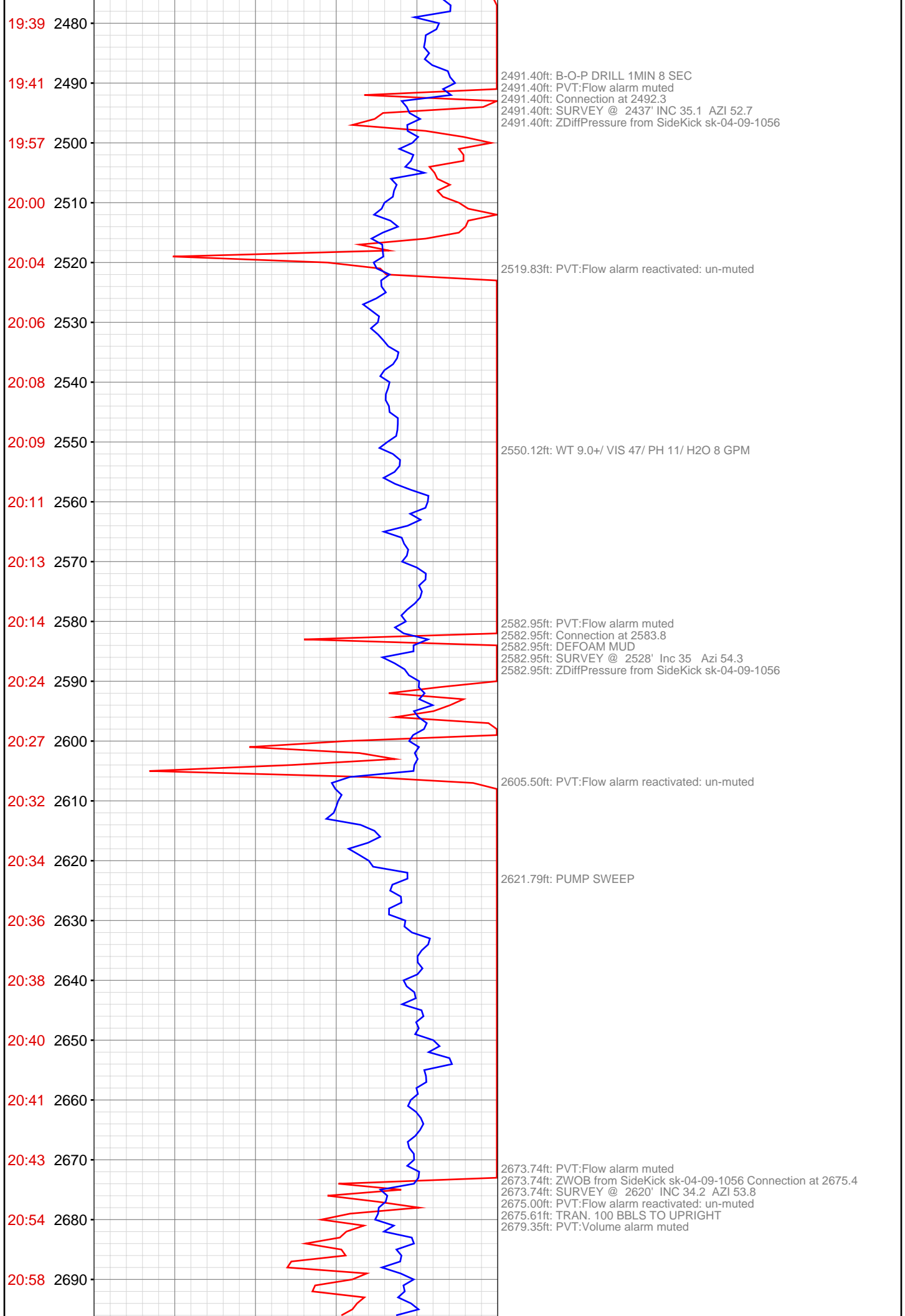


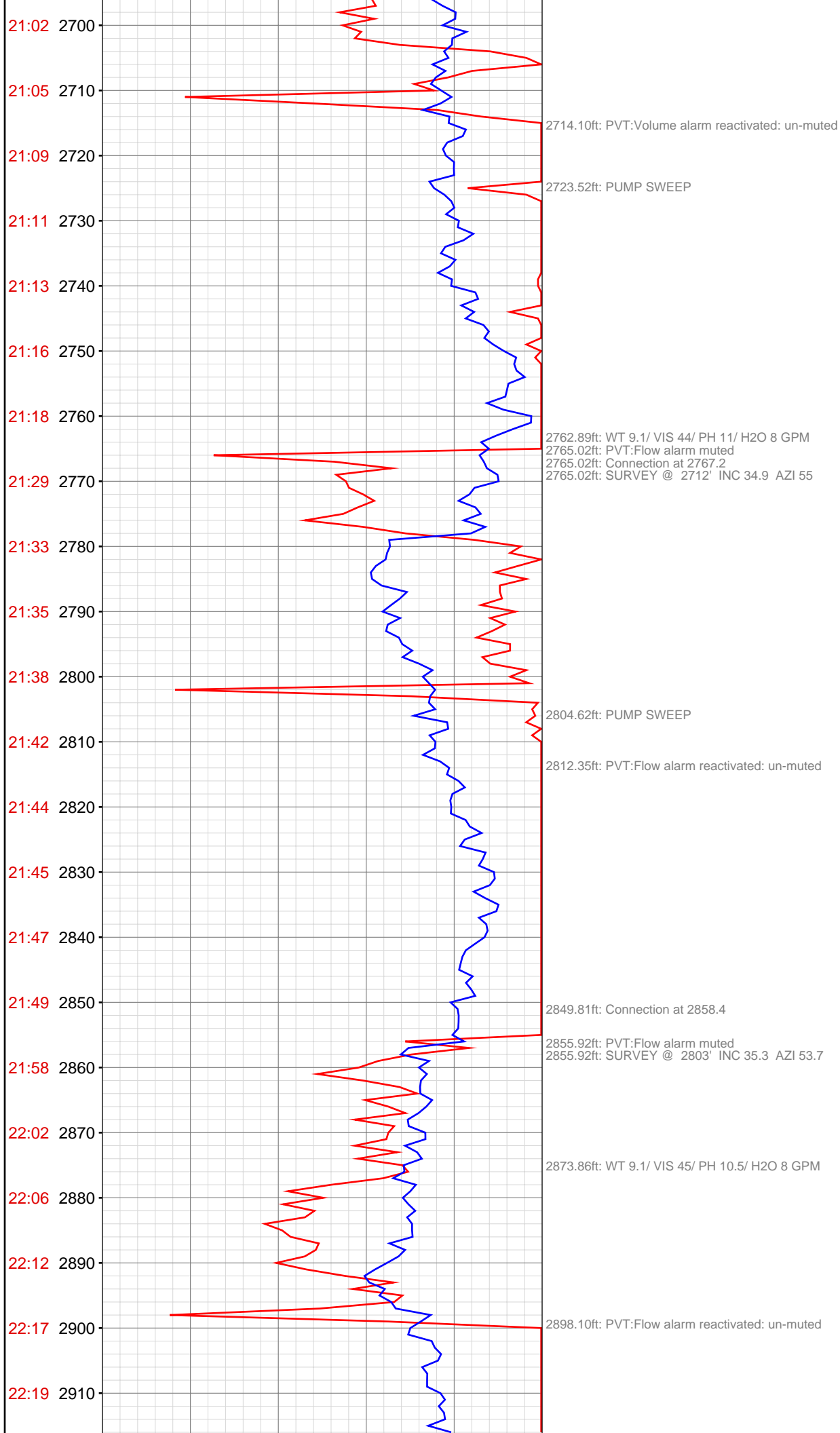


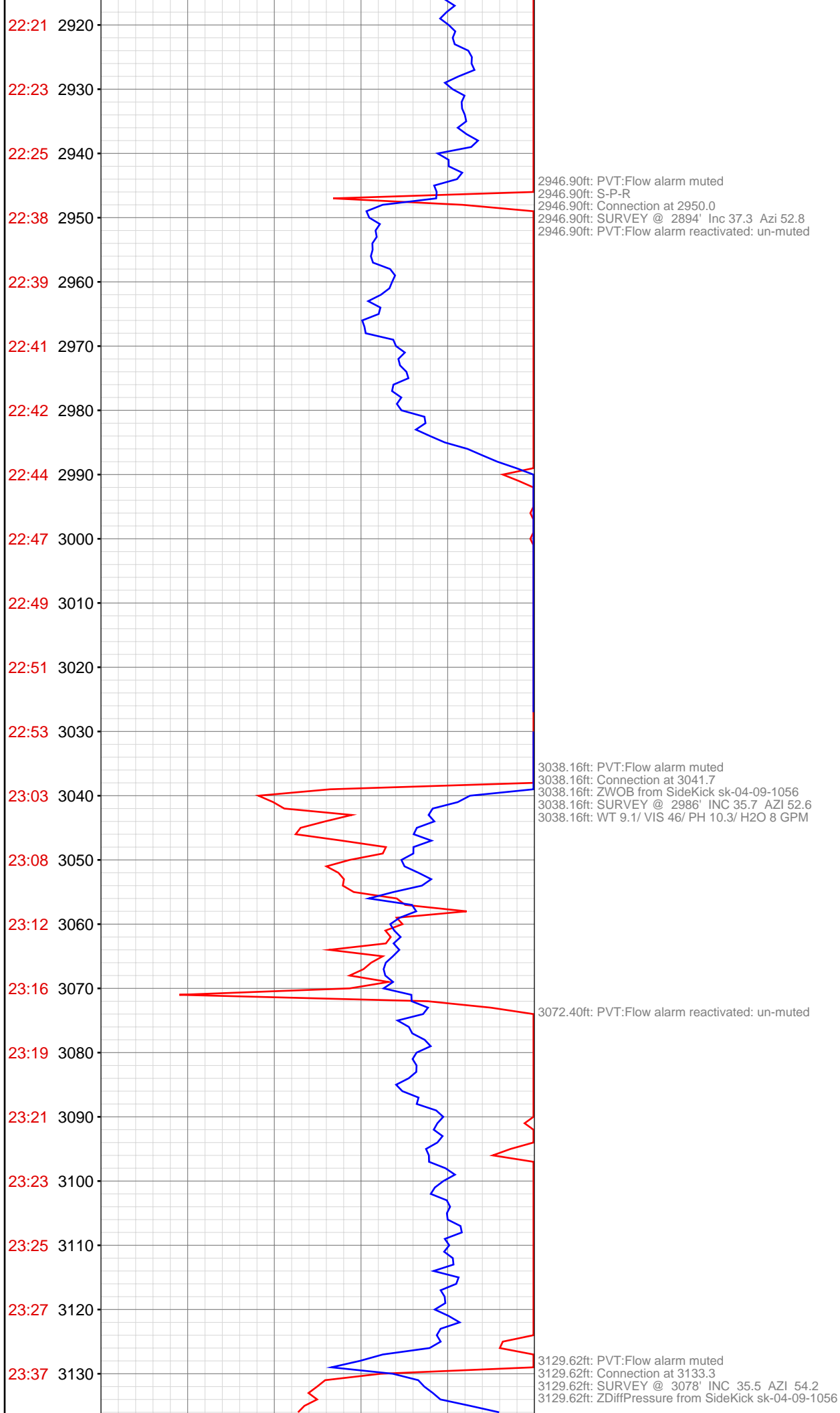


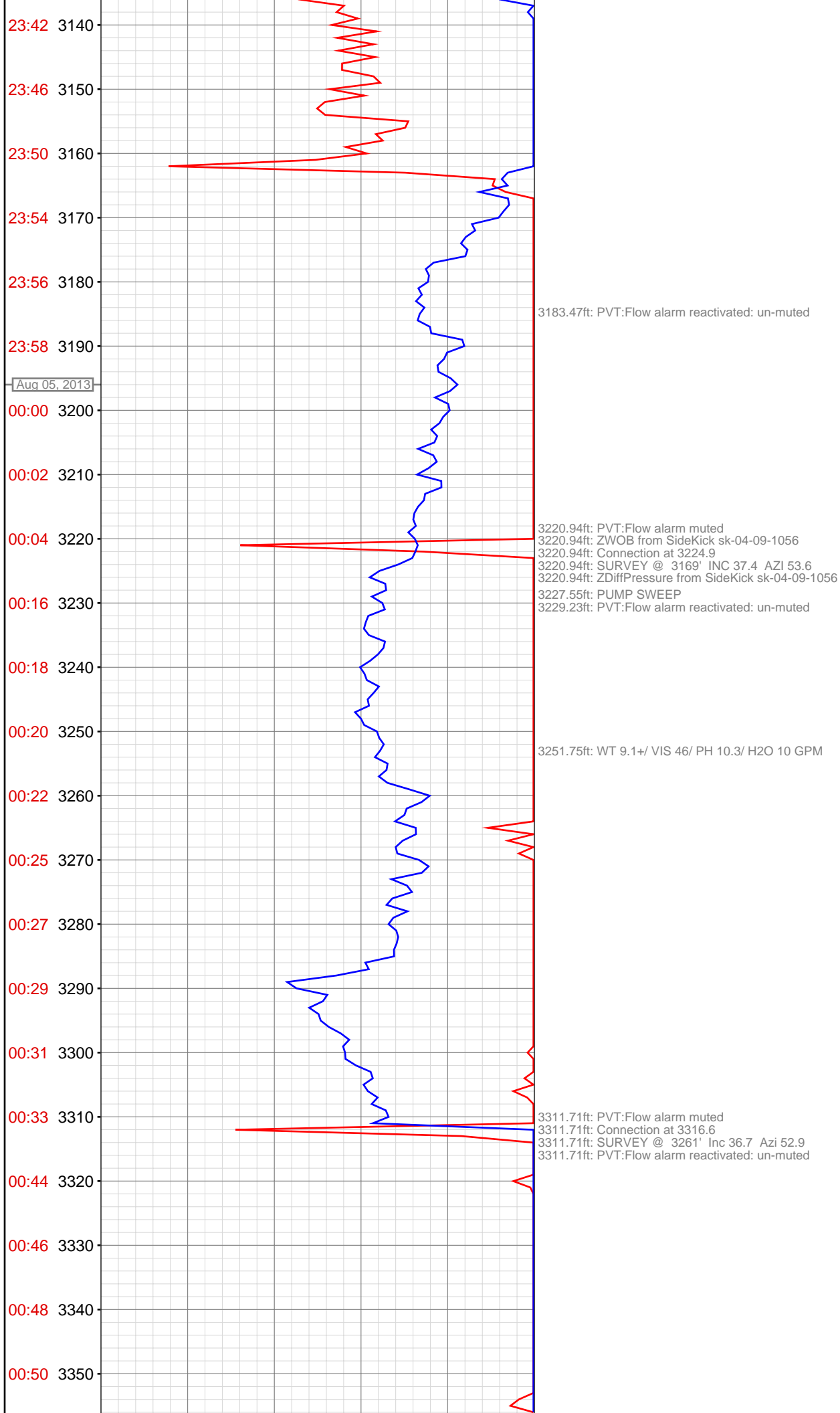


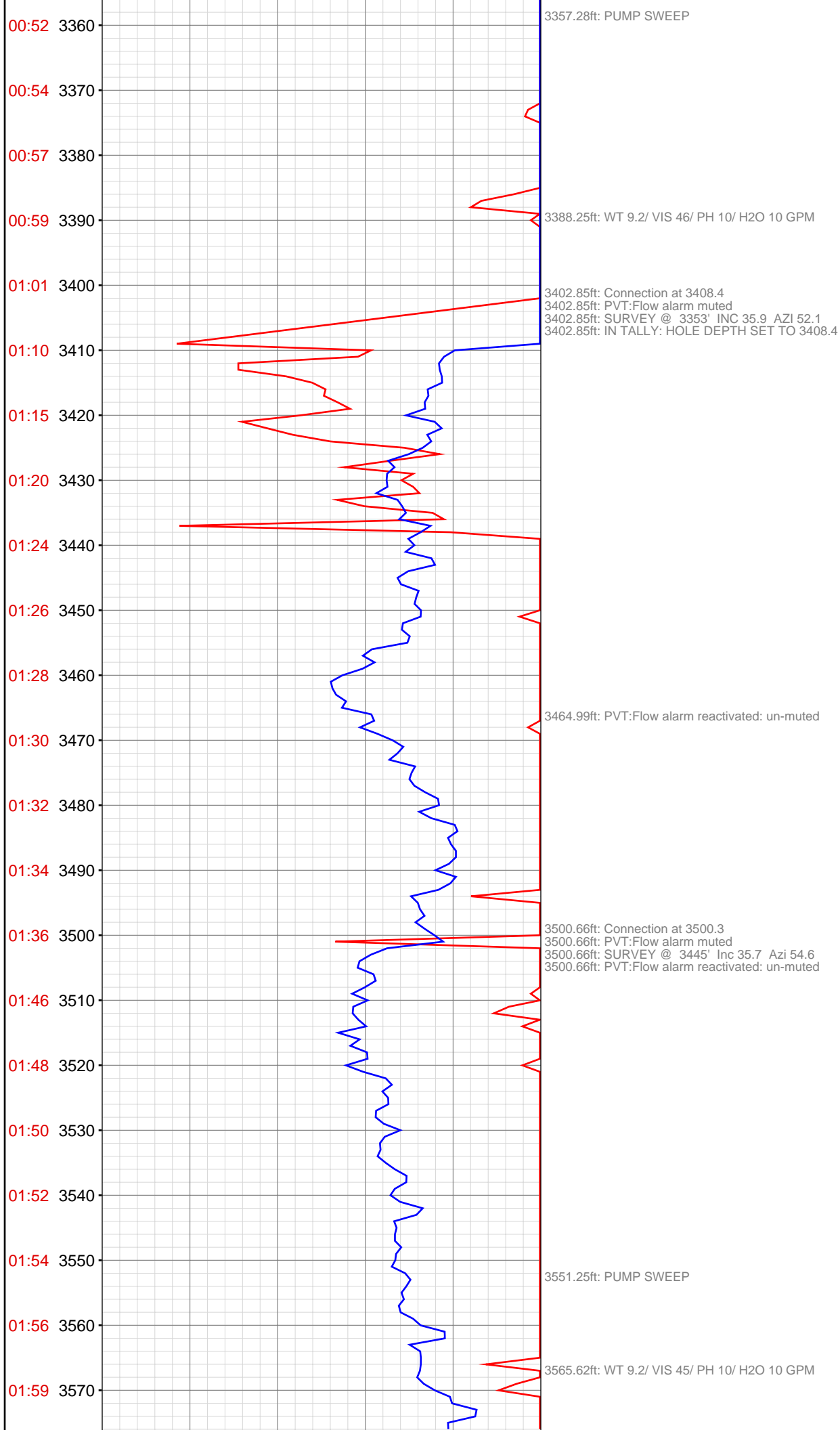


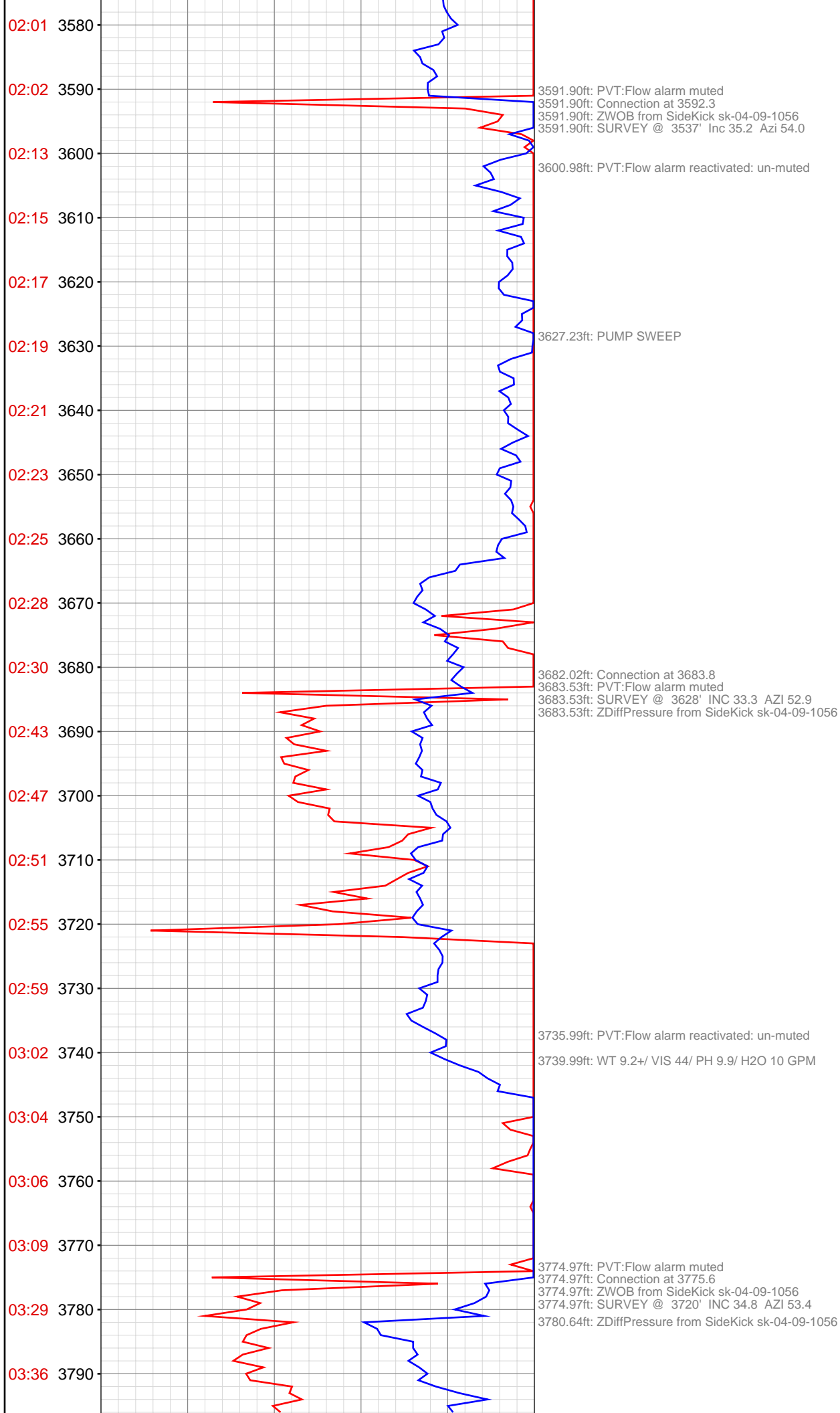


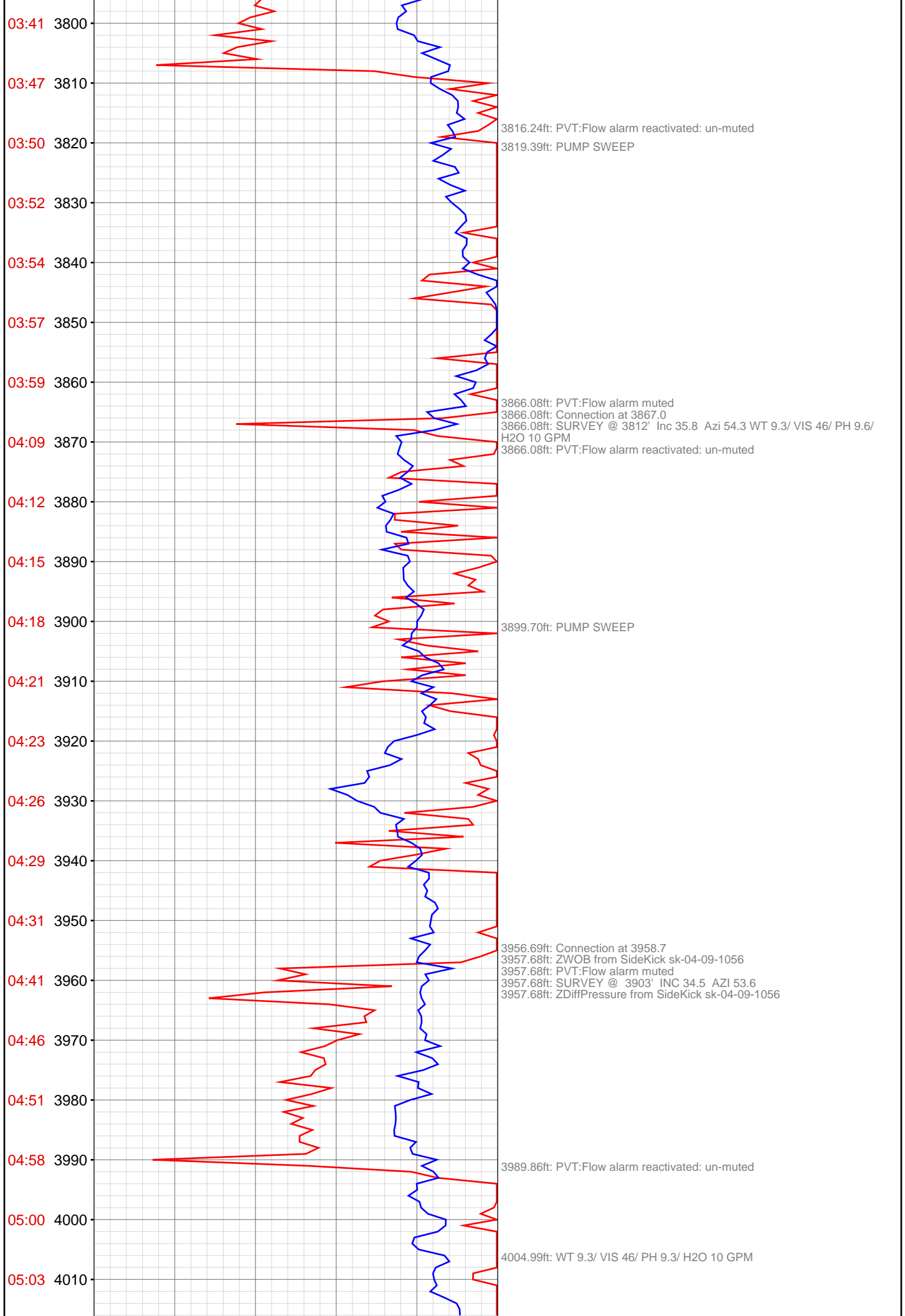


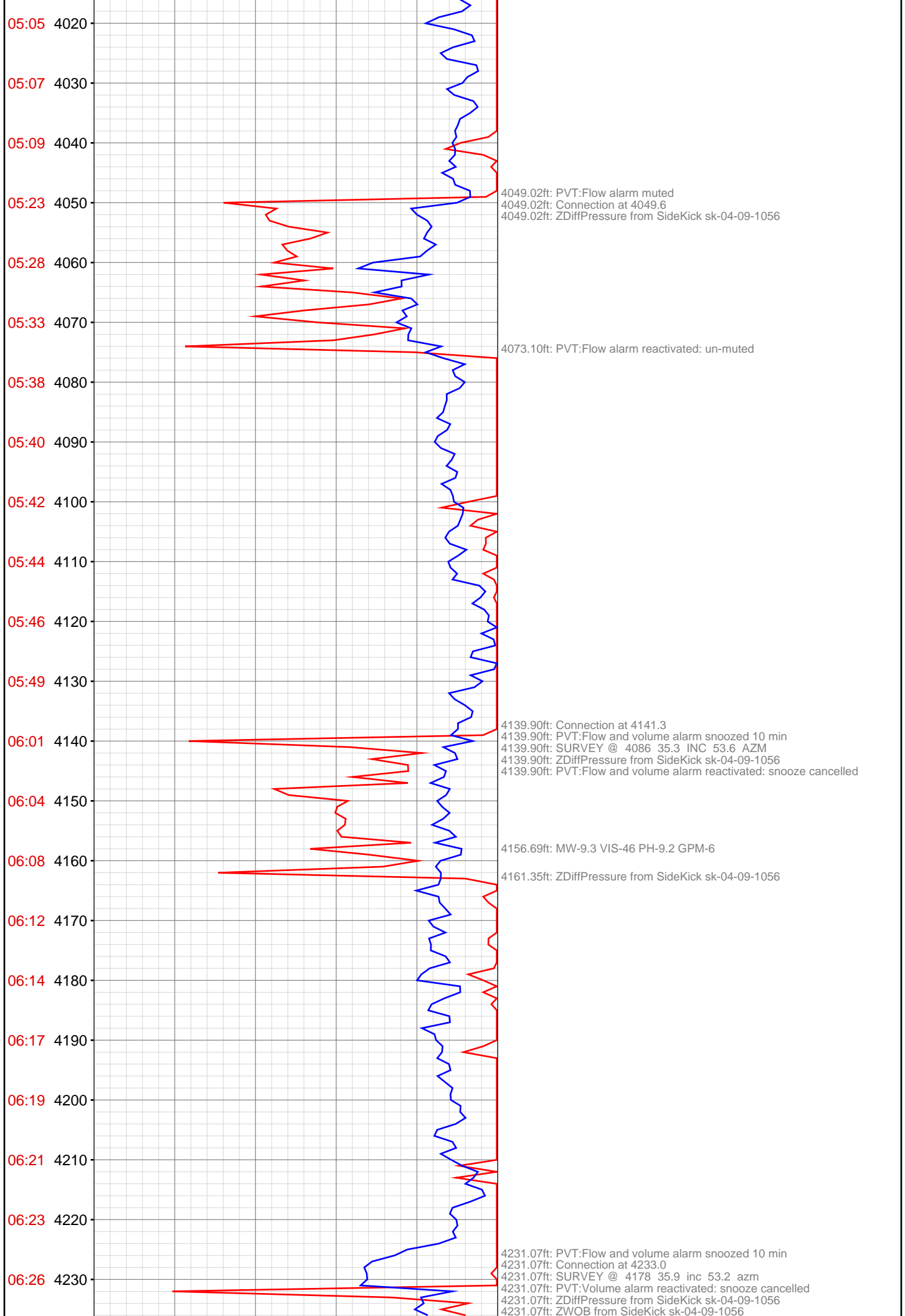


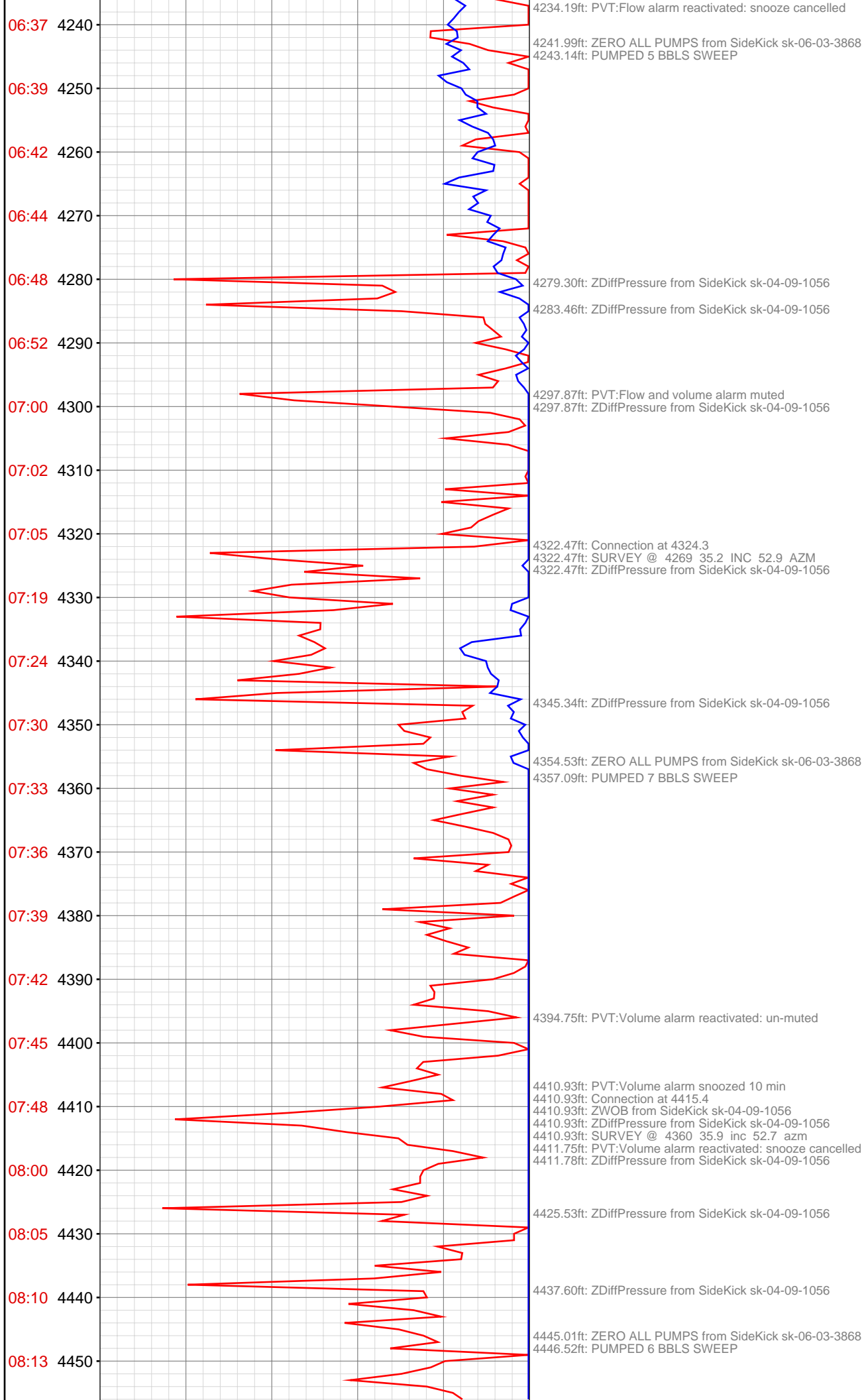


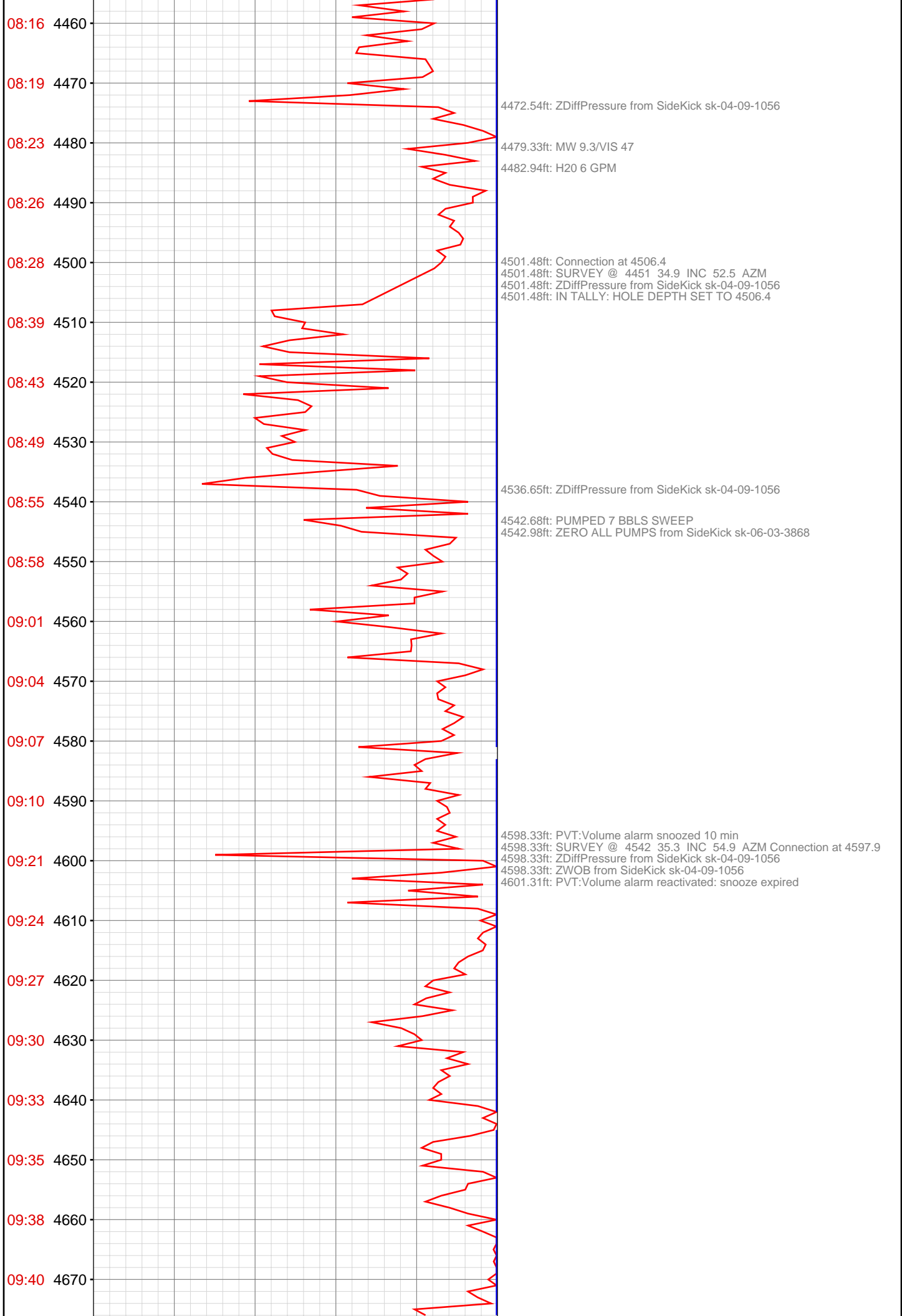


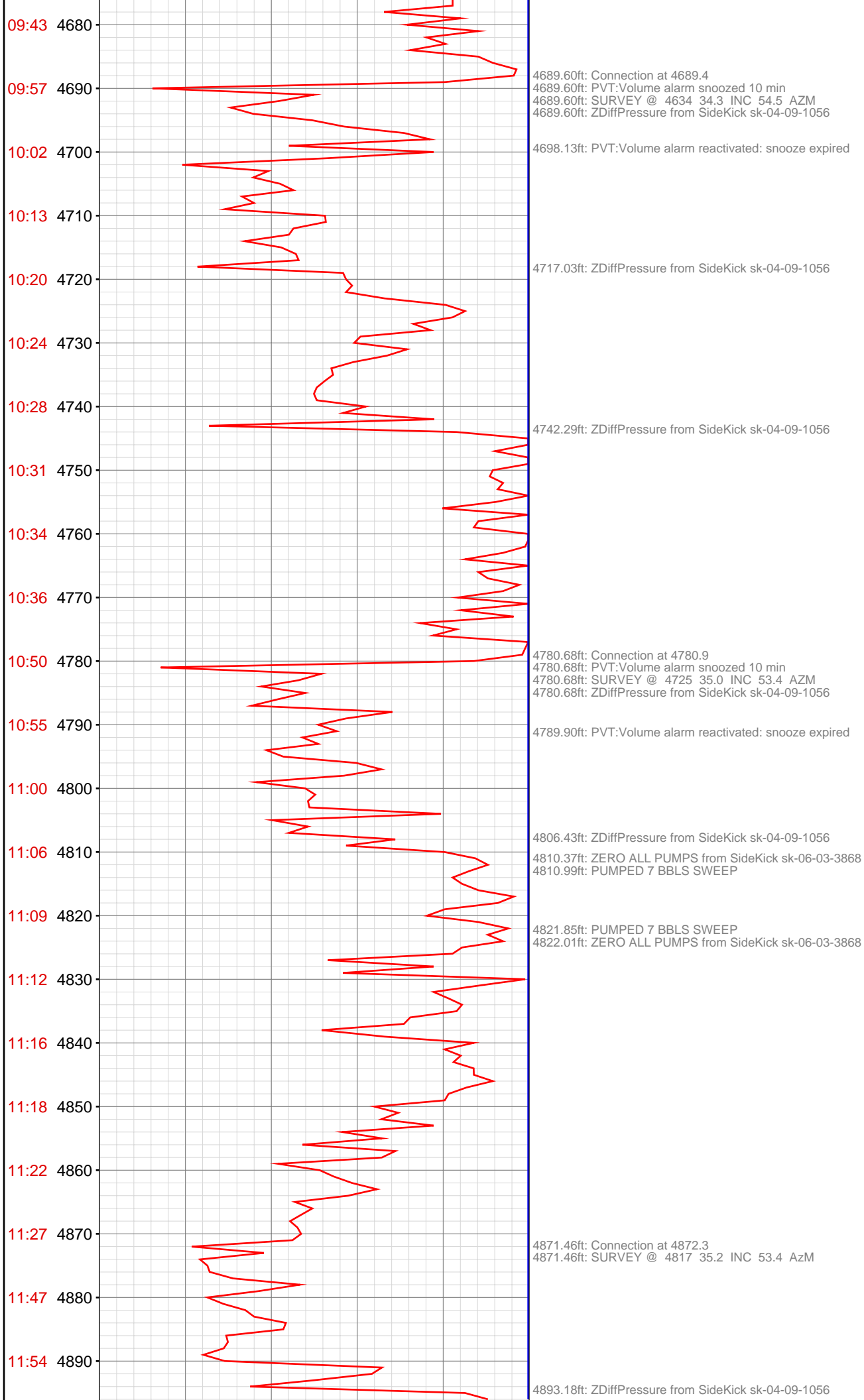


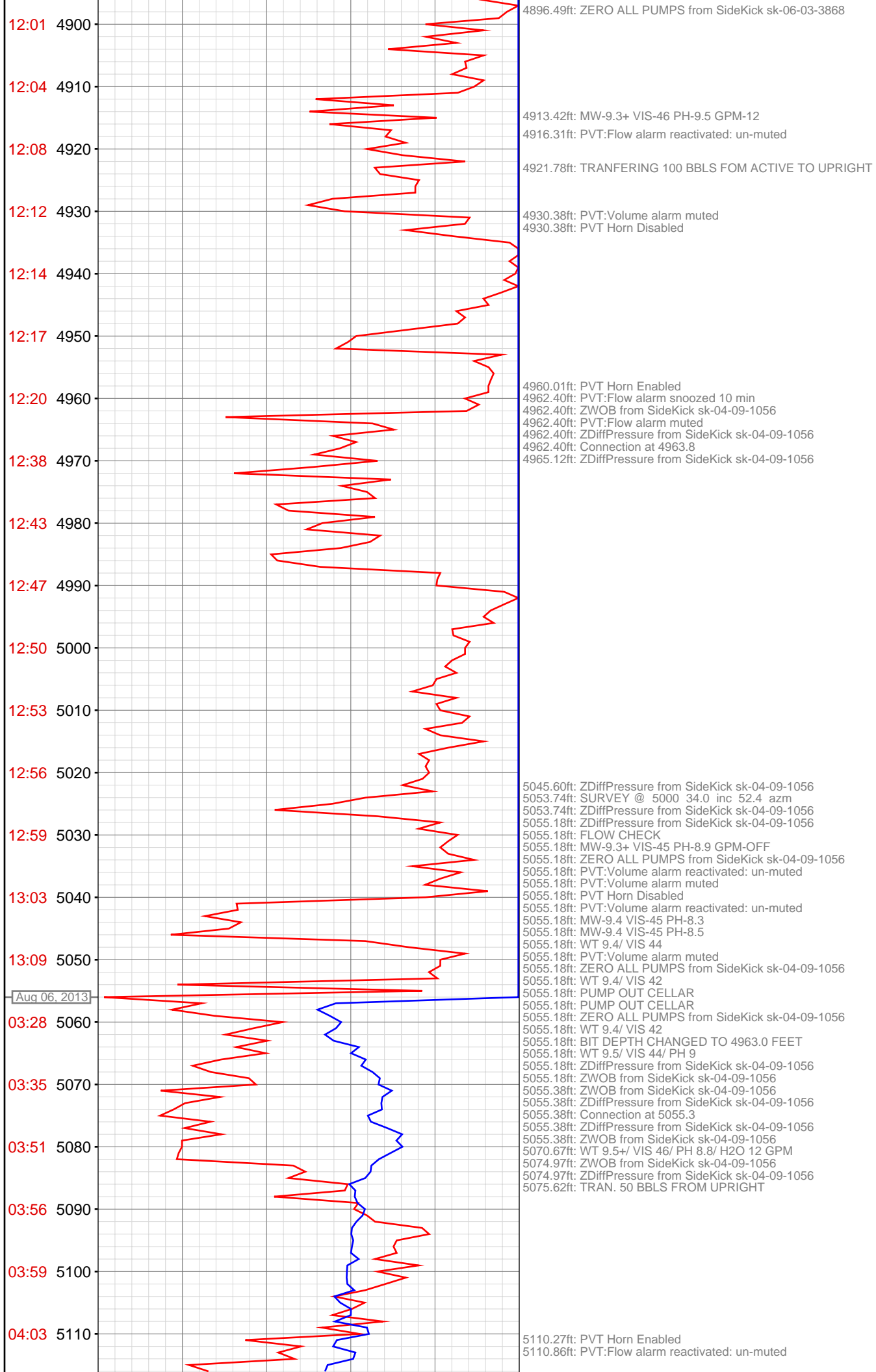


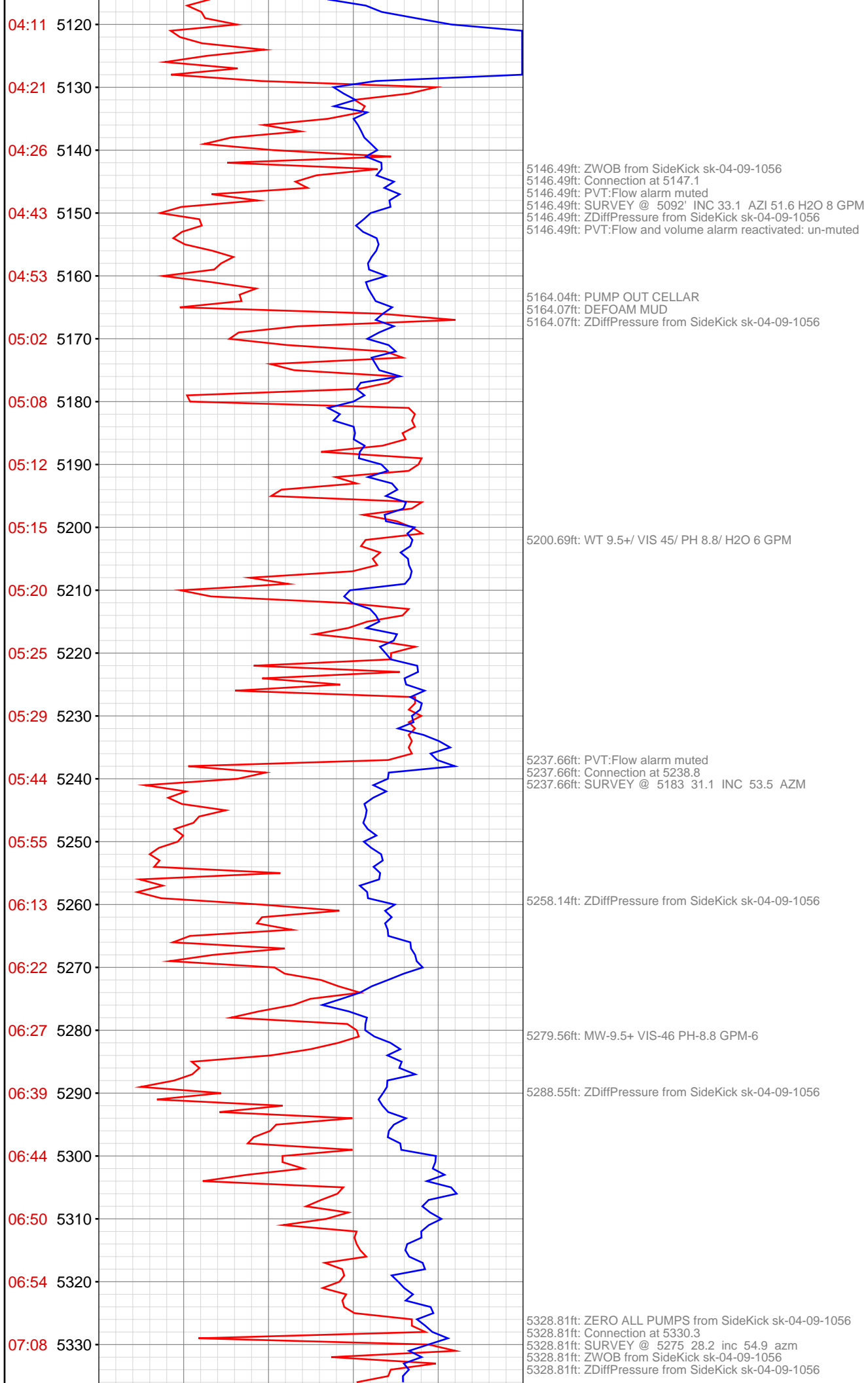


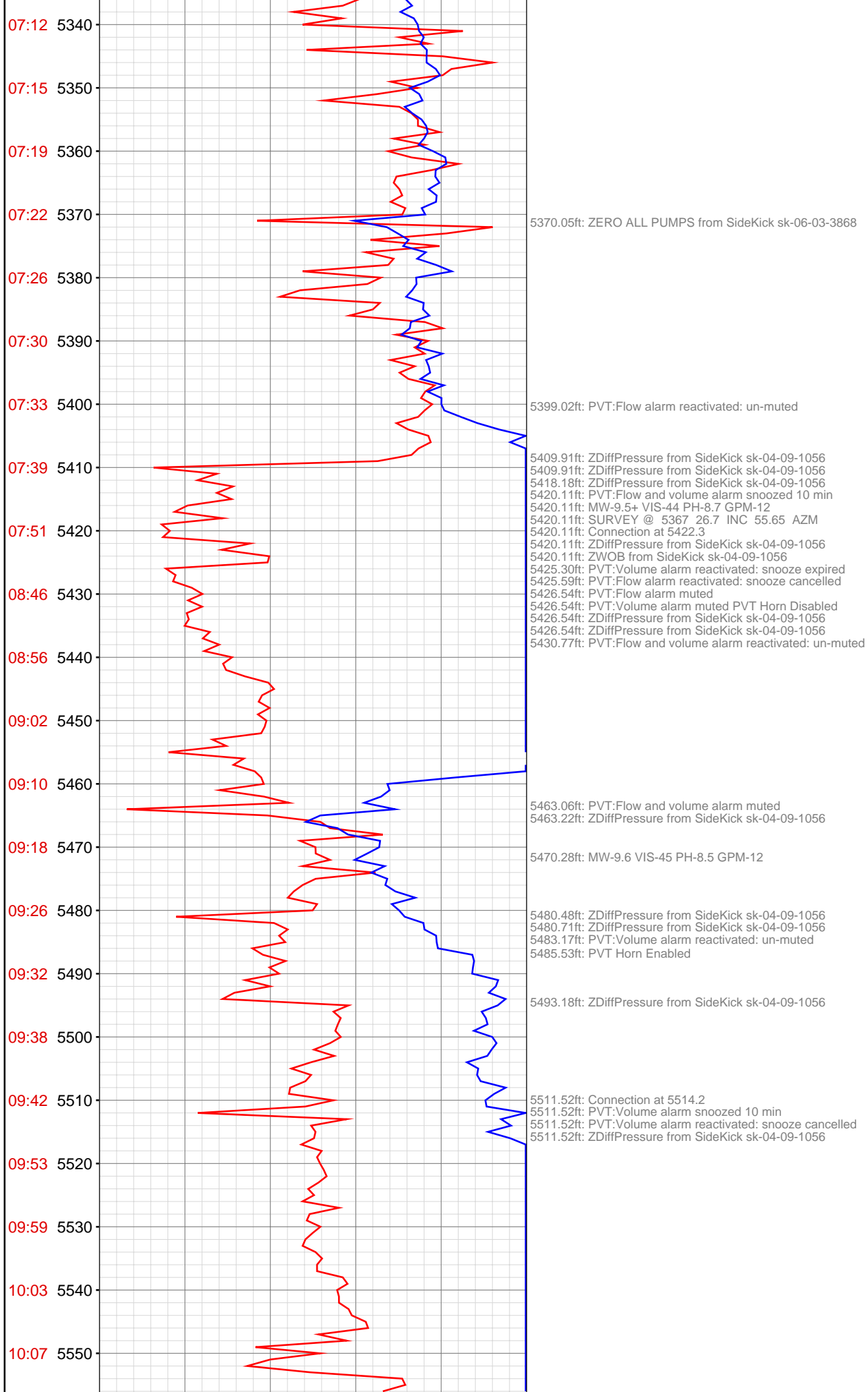


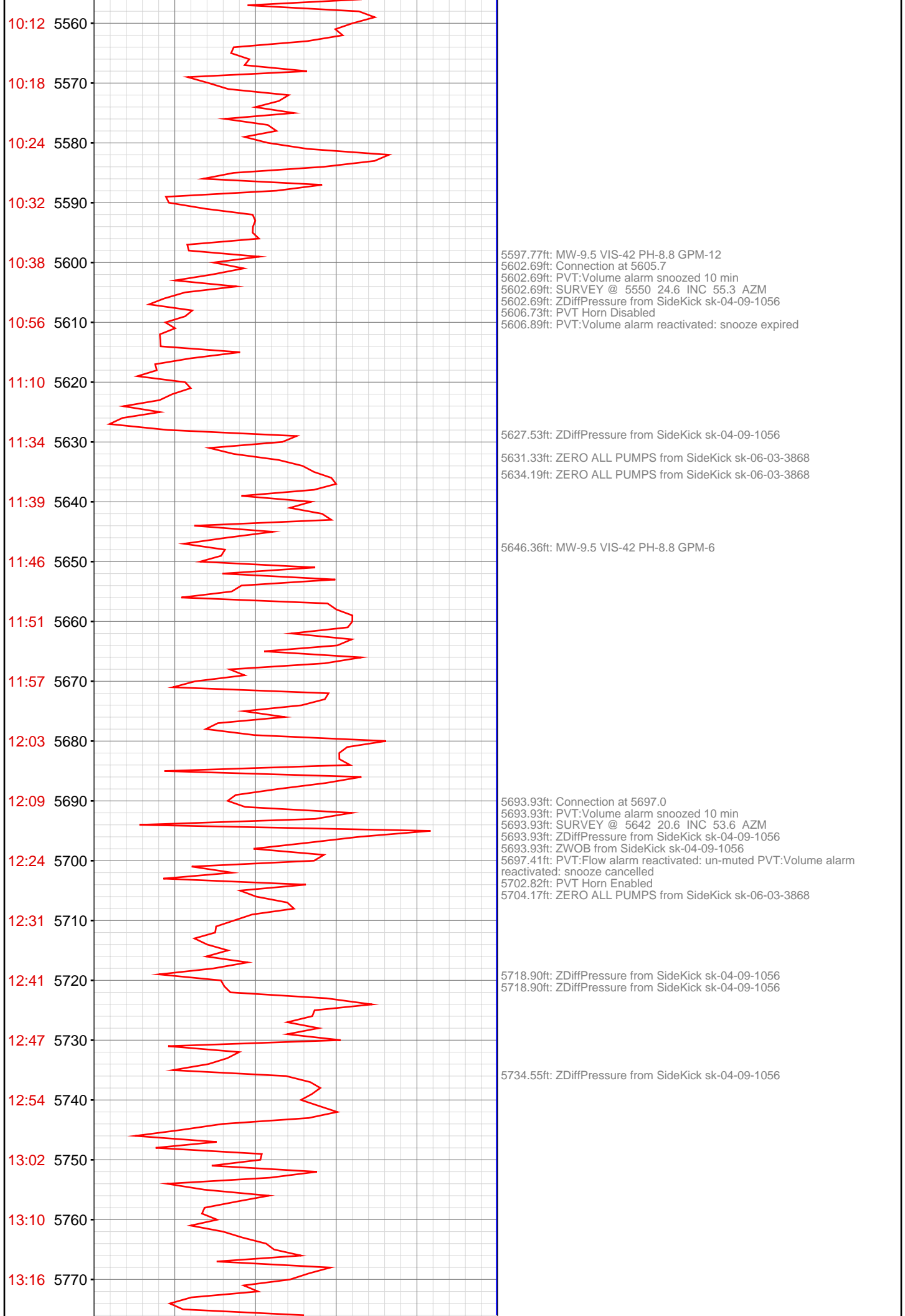


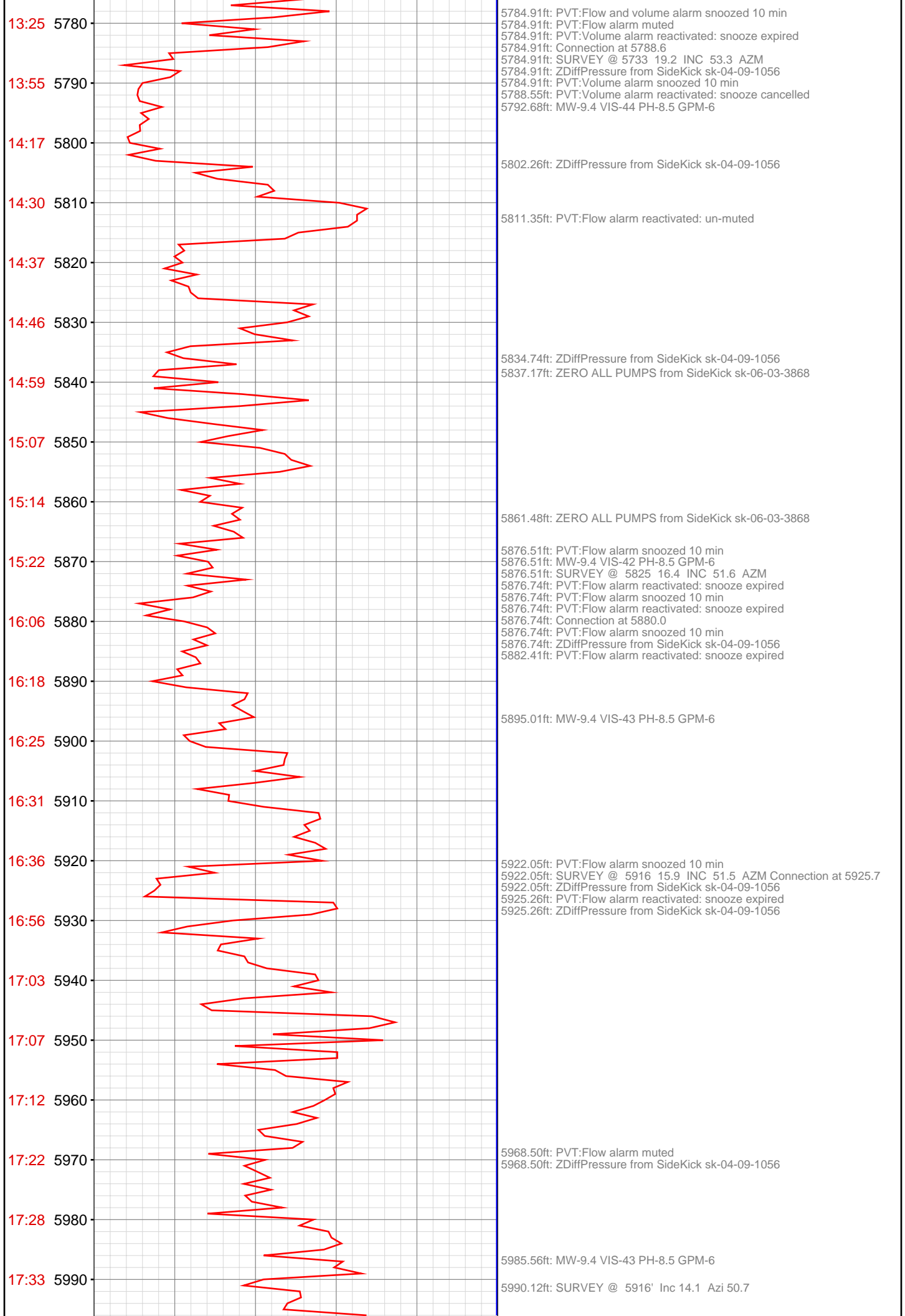


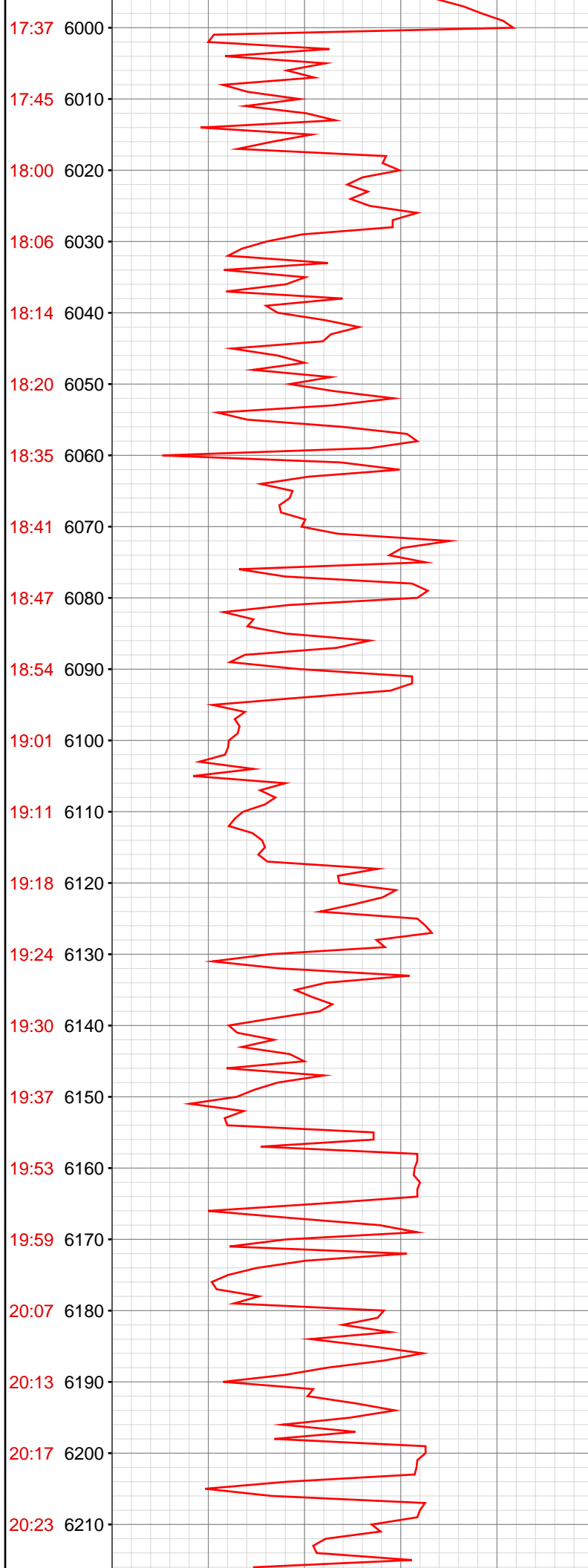












6013.65ft: ZDiffPressure from SideKick sk-04-09-1056
6013.65ft: ZWOB from SideKick sk-04-09-1056
6017.19ft: PVT:Flow alarm reactivated: un-muted

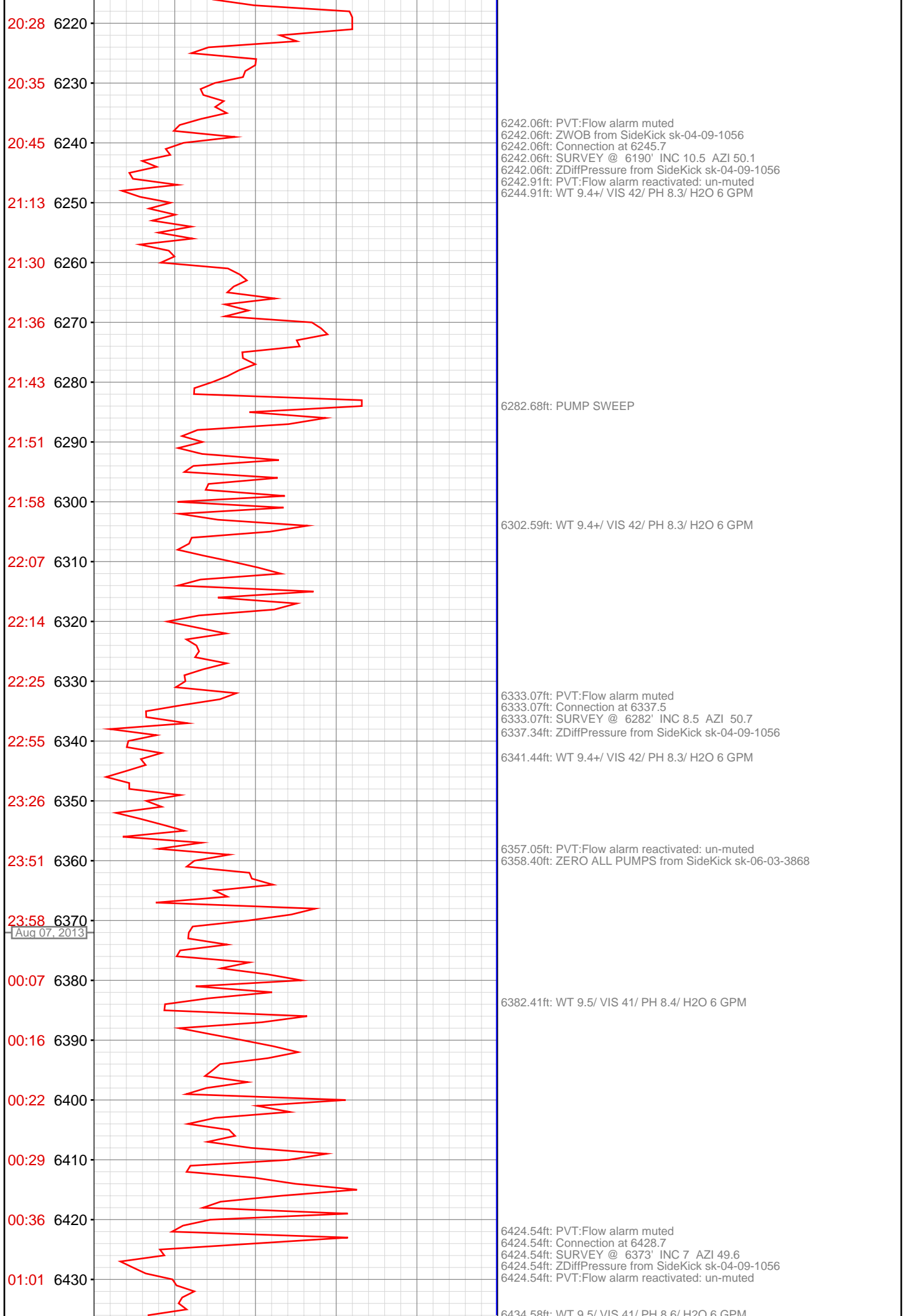
6048.16ft: WT 9.4/ VIS 42/ PH 8.5/ H2O 6 GPM

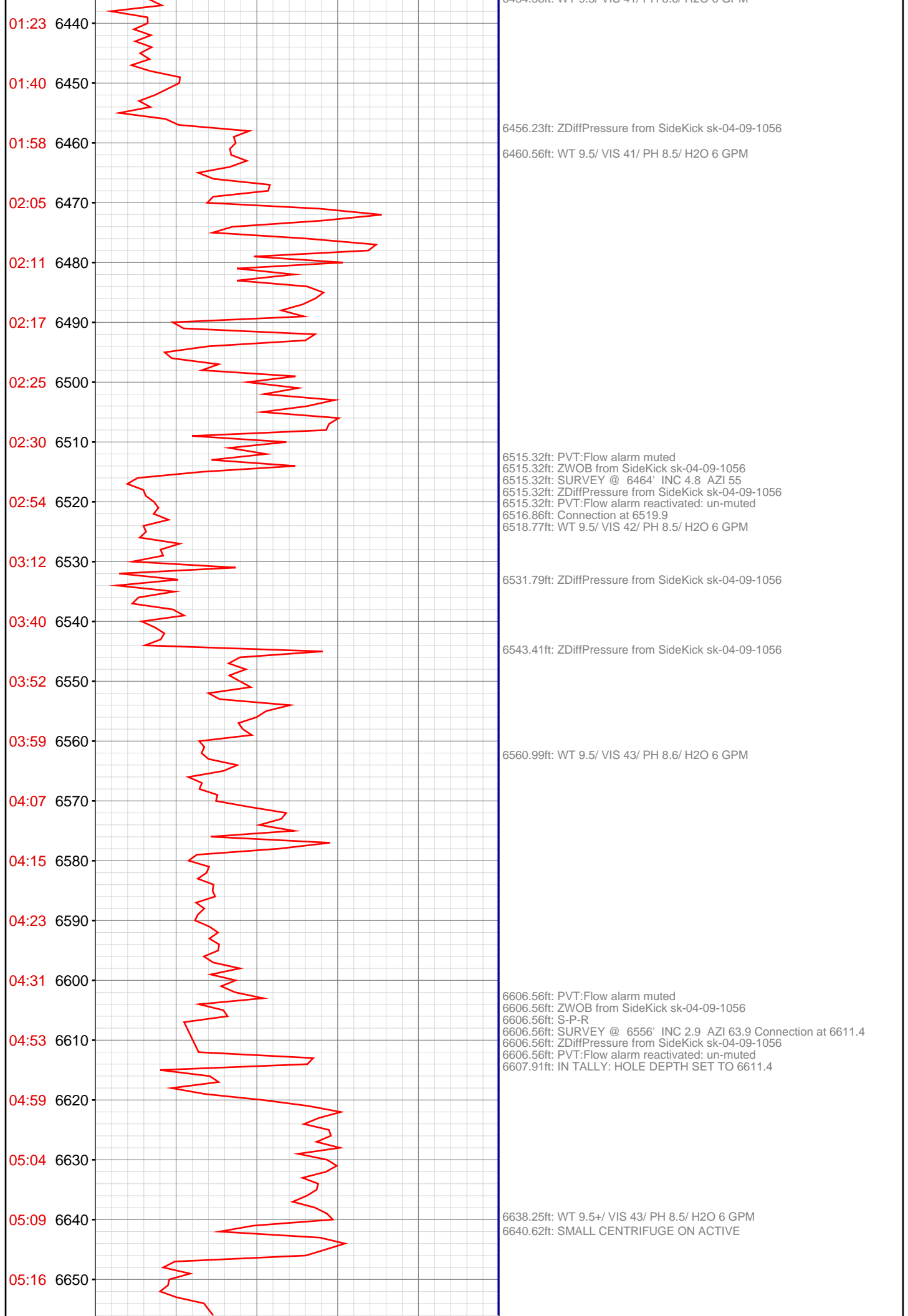
6059.42ft: PVT:Flow alarm muted
6059.42ft: Connection at 6062.2
6059.42ft: ZWOB from SideKick sk-04-09-1056
6059.42ft: SURVEY 6007' INC 12.9 AZI 50.7
6059.42ft: ZDiffPressure from SideKick sk-04-09-1056
6059.42ft: PVT:Flow alarm reactivated: un-muted

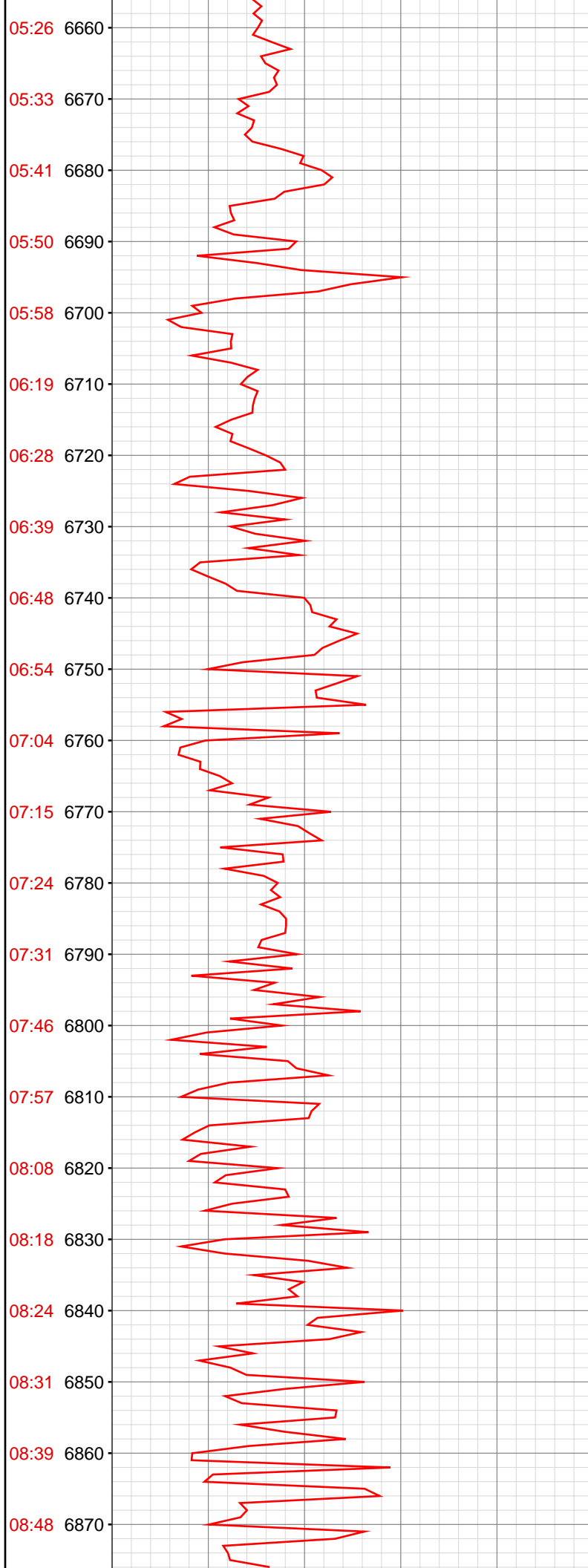
6102.20ft: WT 9.4/ VIS 43/ PH 8.5/ H2O 6 GPM

6150.72ft: PVT:Flow alarm muted
6150.72ft: SURVEY @ 6098' INC 11.6 AZI 50.8
6150.72ft: Connection at 6153.9
6150.72ft: PVT:Flow alarm reactivated: un-muted

6192.03ft: WT 9.4+/ VIS 42/ PH 8.5/ H2O 6 GPM





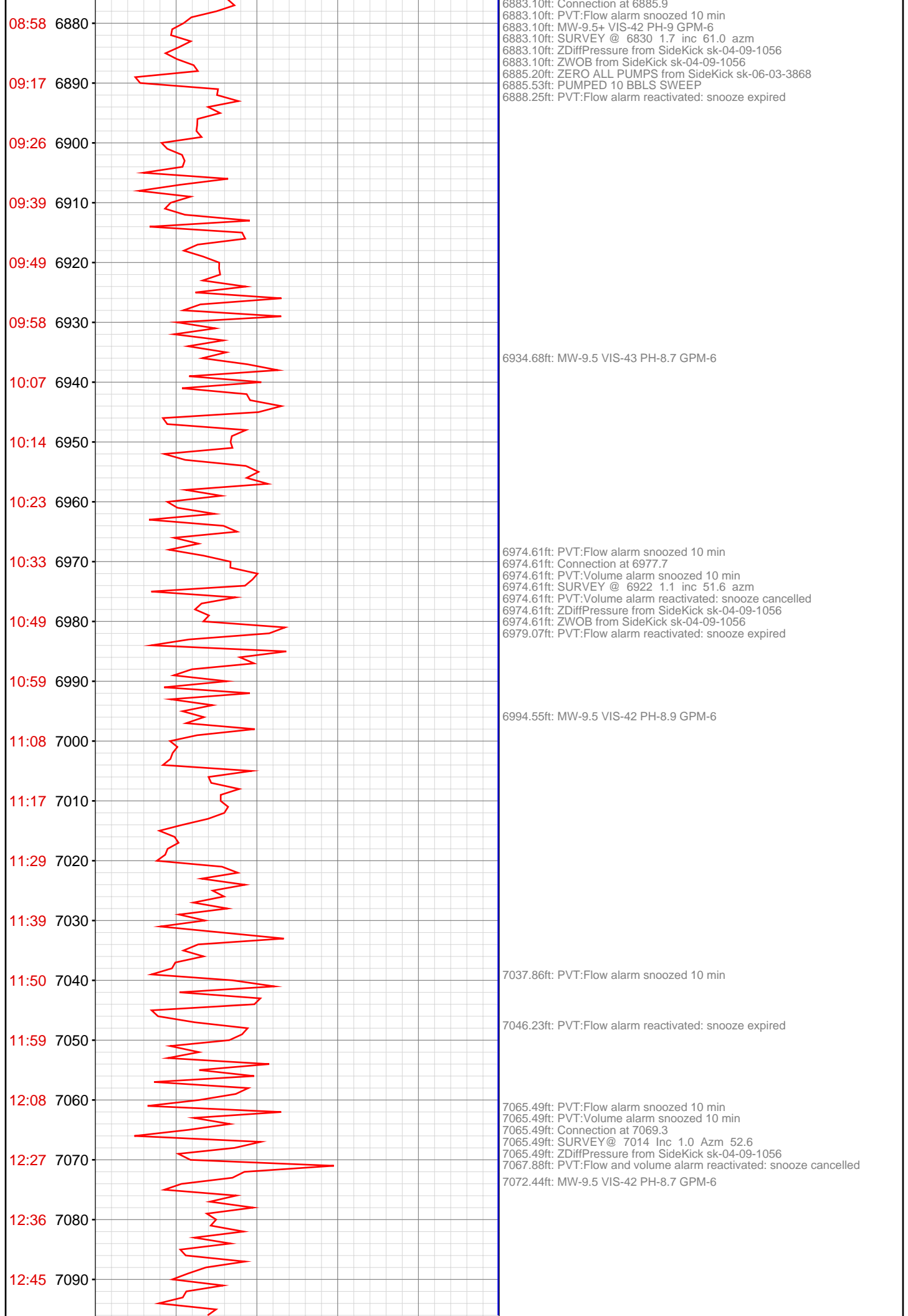


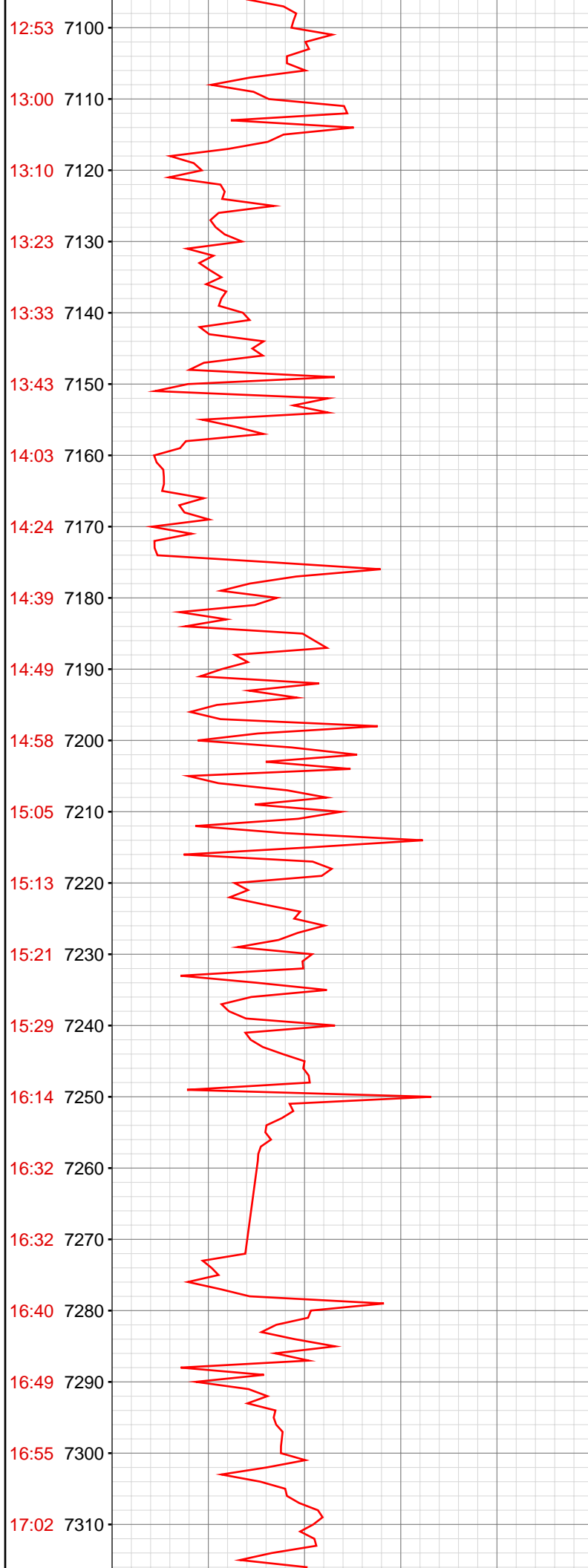
6701.05ft: ZWOB from SideKick sk-04-09-1056
6701.05ft: Connection at 6702.9
6701.05ft: PVT:Flow alarm snoozed 10 min
6701.05ft: ZDiffPressure from SideKick sk-04-09-1056
6702.82ft: MW-9.5+ VIS-43 PH-8.4 GPM-6
6708.99ft: PVT:Flow alarm reactivated: snooze expired

6767.52ft: MW-9.5+ VIS-42 PH-8.5 GPM-6

6792.22ft: SURVEY @ 6739 2.2 inc 64.9 azm
6792.22ft: Connection at 6794.4
6792.22ft: PVT:Flow alarm snoozed 10 min
6792.22ft: ZDiffPressure from SideKick sk-04-09-1056
6799.08ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
6802.72ft: PVT:Flow alarm reactivated: snooze expired

6818.34ft: MW-9.5 VIS-42 PH-9.1 GPM-6





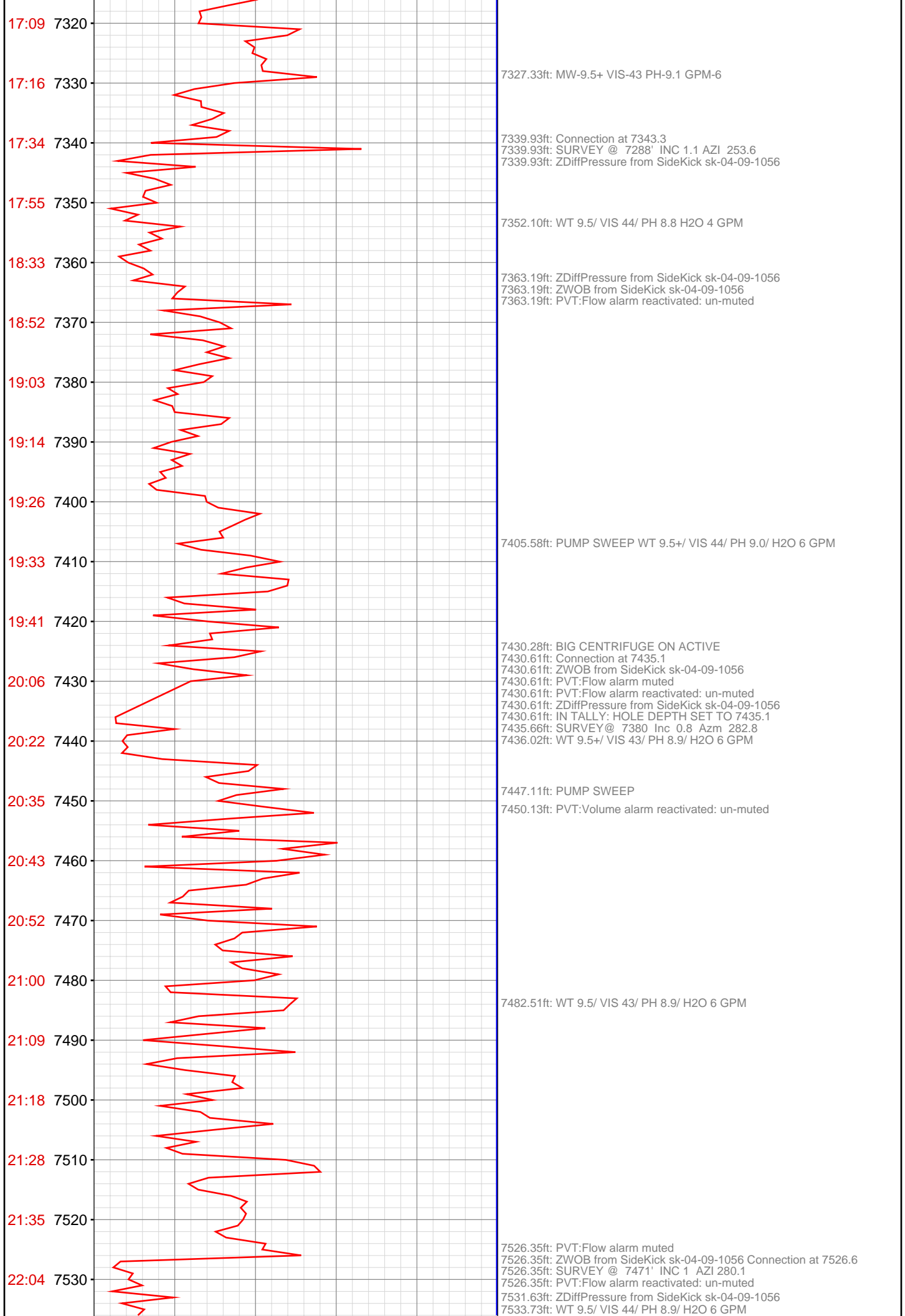
7120.83ft: MW-9.5+ VIS-43 PH-8.9 GPM-6

7157.05ft: PVT:Flow alarm snoozed 10 min
7157.05ft: SURVEY @ 7105 .9 INC 40.8 AZM
7157.05ft: PVT:Flow alarm reactivated: snooze expired
7157.05ft: Connection at 7160.7
7157.05ft: PVT:Flow alarm snoozed 10 min
7157.05ft: ZDiffPressure from SideKick sk-04-09-1056
7161.65ft: PVT:Flow alarm reactivated: snooze expired
7162.27ft: MW-9.5 VIS-43 PH-8.8 GPM-4

7173.10ft: ZDiffPressure from SideKick sk-04-09-1056

7201.64ft: MW-9.5 VIS-43 PH-8.6 GPM-4

7248.43ft: PVT:Flow alarm snoozed 10 min
7248.43ft: PVT:Flow and volume alarm muted
7248.43ft: Connection at 7252.2
7248.43ft: ZWOB from SideKick sk-04-09-1056
7248.43ft: ZDiffPressure from SideKick sk-04-09-1056
7249.41ft: SURVEY 7197 Inc .6 Azm 241.3



22:37 7540
23:04 7550
23:19 7560
23:28 7570
23:36 7580
23:41 7590
23:48 7600
23:58 7610
00:16 7620
00:25 7630
00:35 7640
00:42 7650
00:48 7660
00:55 7670
01:04 7680
01:09 7690
01:15 7700
01:32 7710
01:37 7720
01:43 7730
01:50 7740
01:55 7750

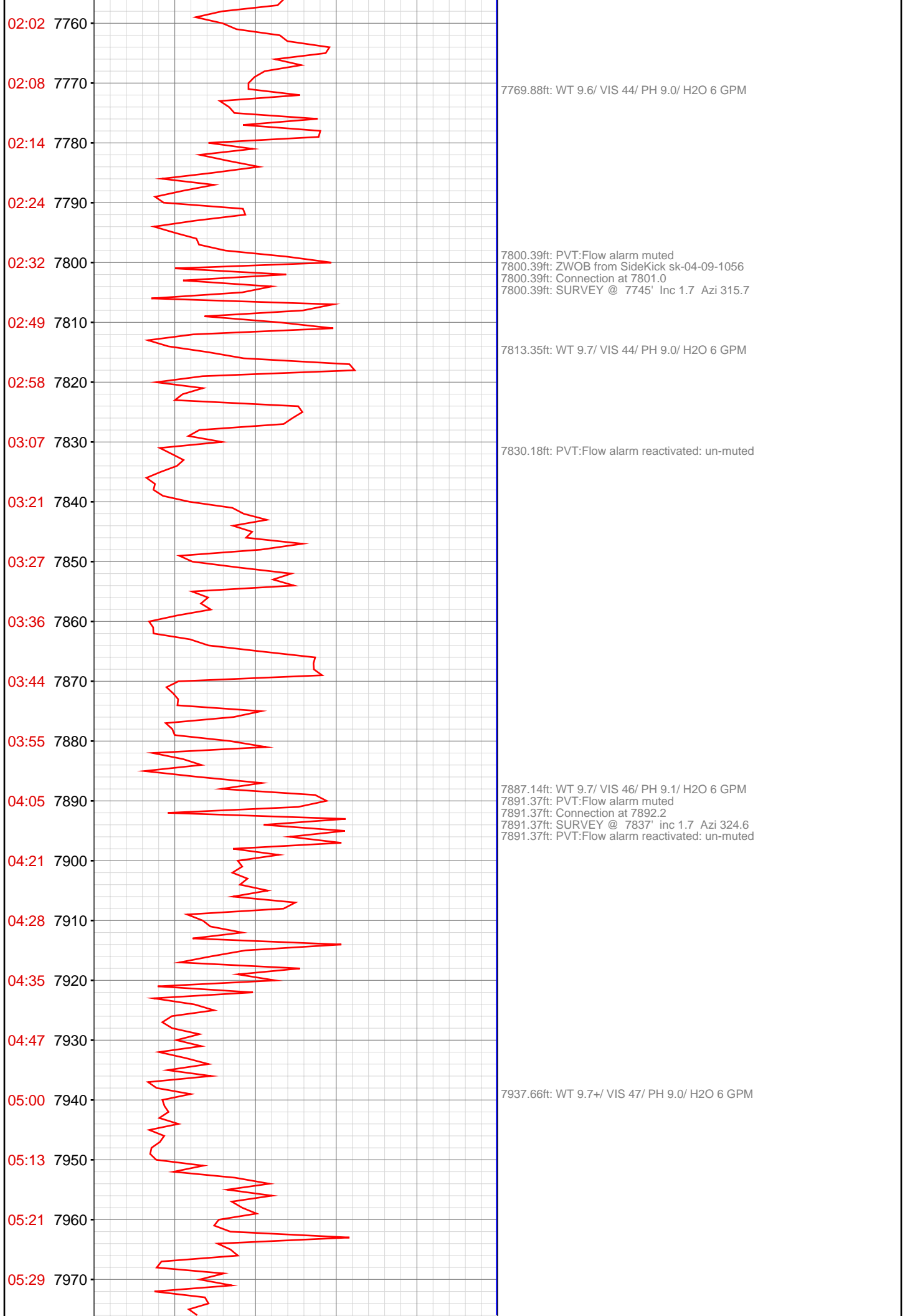
Aug 08, 2013

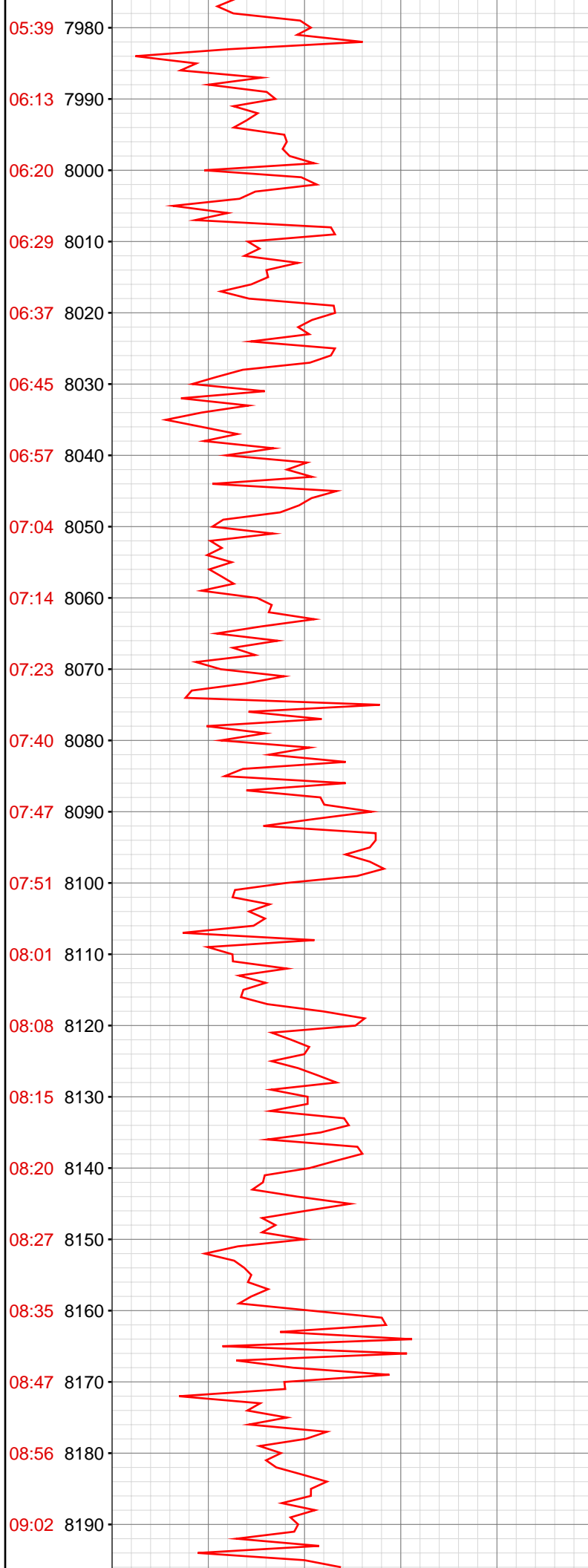
7551.44ft: WT 9.5/ VIS 44/ PH 8.8/ H2O 6 GPM

7612.07ft: WT 9.5/ VIS 44/ PH 9.0/ H2O 6 GPM
7617.65ft: PVT:Flow alarm muted
7617.65ft: Connection at 7618.2
7617.65ft: SURVEY @ 7563' Inc.7 Azi 330.3
7617.65ft: ZDiffPressure from SideKick sk-04-09-1056
7620.21ft: PVT:Flow alarm reactivated: un-muted

7668.01ft: WT 9.5+/ VIS 44/ PH 9.1/ H2O 6 GPM

7709.35ft: PVT:Flow alarm muted
7709.35ft: Connection at 7709.6
7709.35ft: SURVEY @ 7654' inc 1.2 Azi 321.7
7709.35ft: ZDiffPressure from SideKick sk-04-09-1056
7709.35ft: PVT:Flow alarm reactivated: un-muted





7982.28ft: PVT:Flow alarm muted
7982.28ft: ZWOB from SideKick sk-04-09-1056
7982.28ft: SURVEY @ 7929 1.9 INC 316.7 AZM Connection at 7984.1

8003.61ft: MW-9.7+ VIS-45 PH-8.9 GPM-6

8073.49ft: PVT:Volume alarm snoozed 10 min
8073.49ft: SURVEY @ 8020 1.8 inc 304.1 azm Connection at 8075.5
8073.49ft: MW-9.7+ VIS-44 PH-9 GPM-6
8073.49ft: ZDiffPressure from SideKick sk-04-09-1056

8084.09ft: PVT:Volume alarm reactivated: snooze expired
8086.19ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

8151.84ft: MW-9.7+ VIS-44 PH-9.3 GPM-6

8164.93ft: Connection at 8166.8
8164.93ft: SURVEY @ 8111 1.8 inc 310.5 azm
8164.93ft: ZDiffPressure from SideKick sk-04-09-1056
8164.93ft: ZWOB from SideKick sk-04-09-1056

