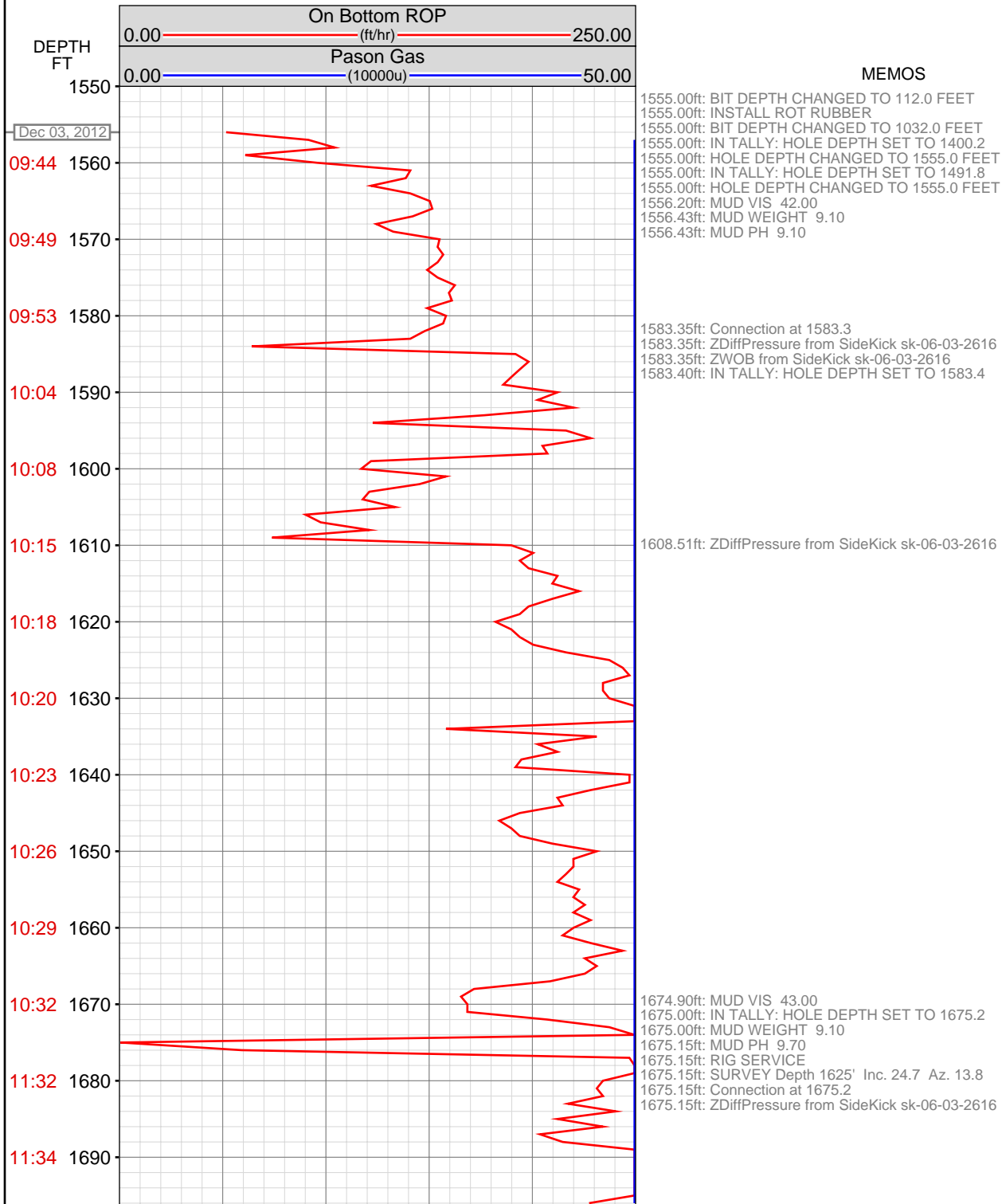
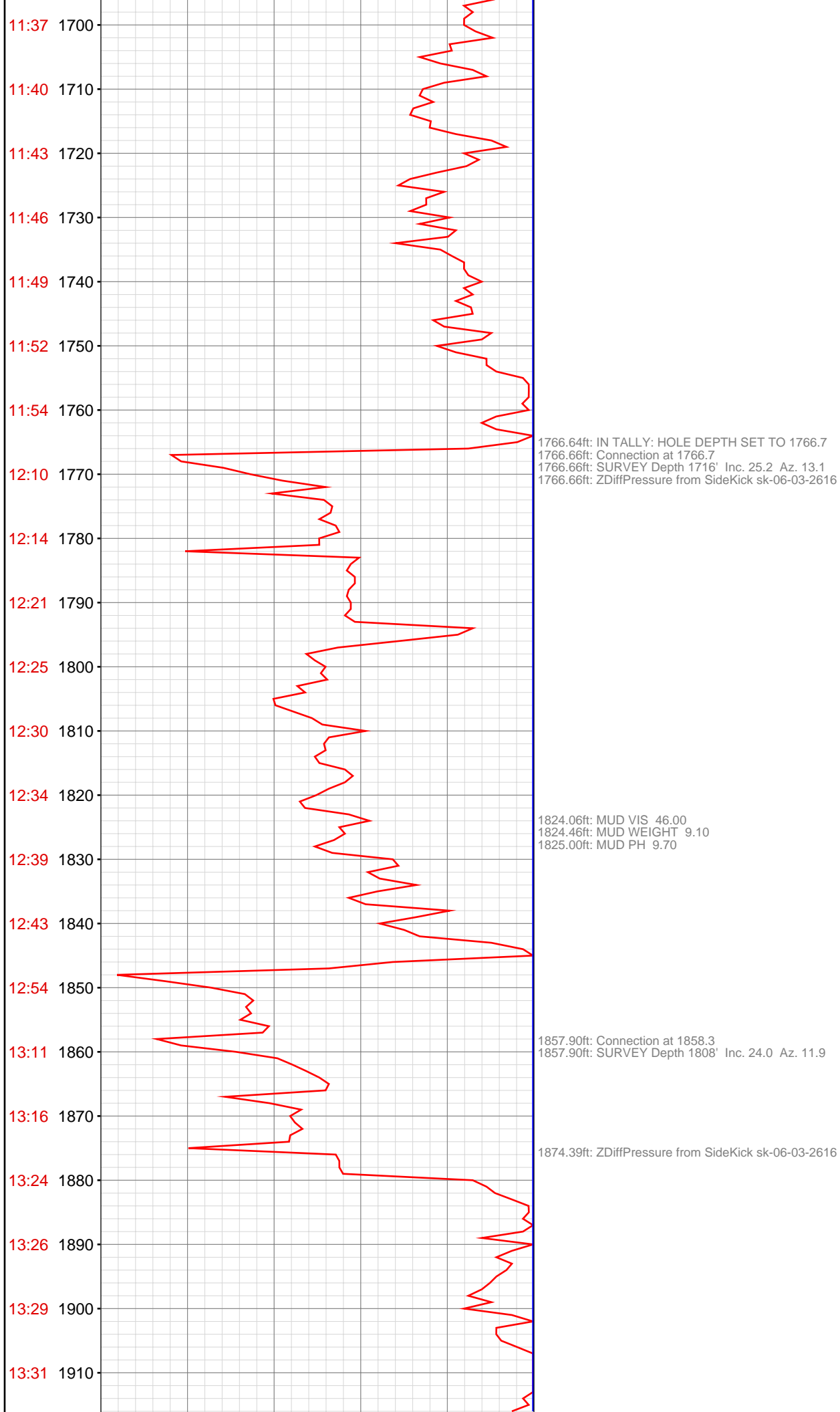
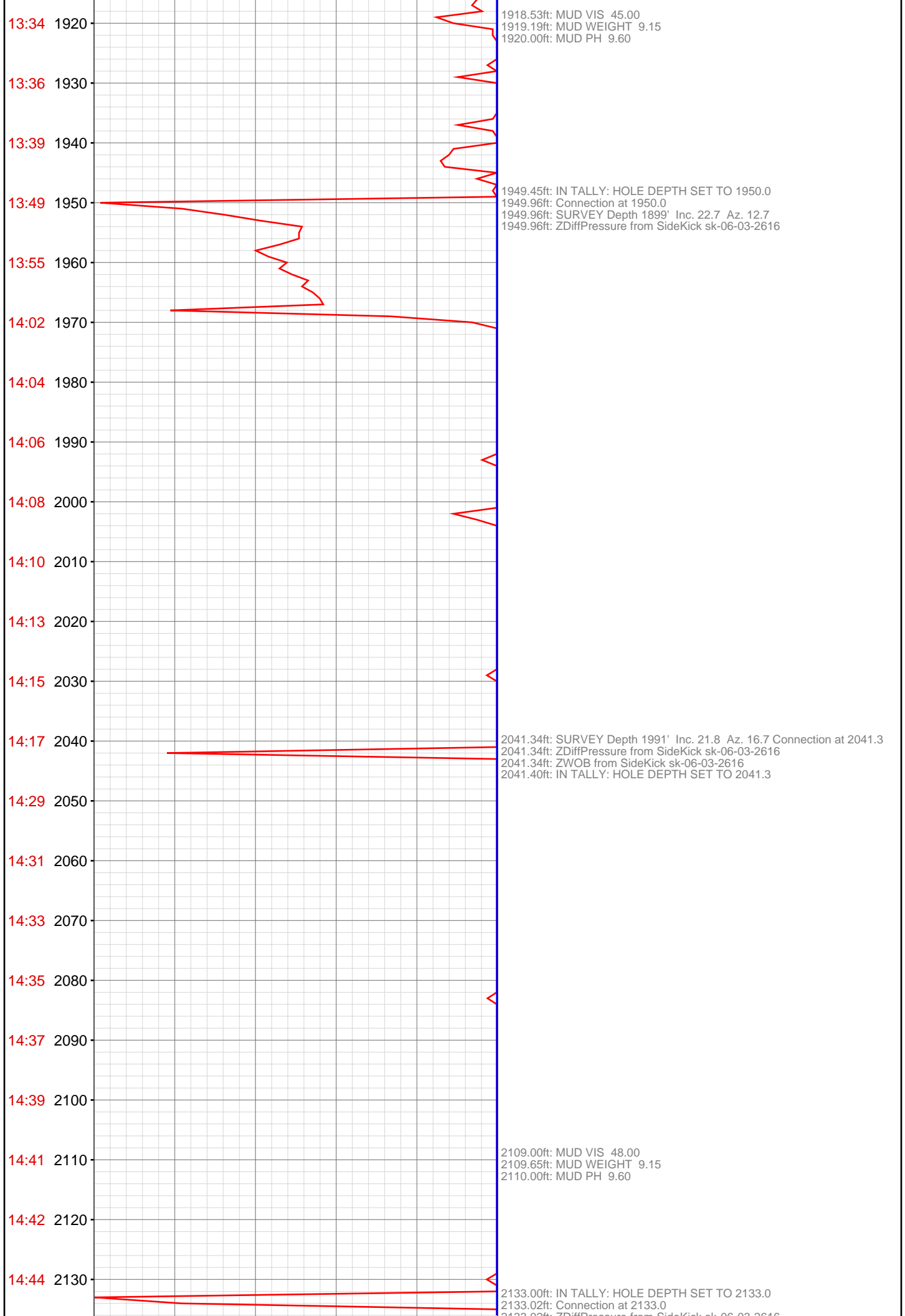


**OPERATOR:** EnCana Oil & Gas (USA), Inc.  
**WELL:** BENZEL FEDERAL 24-14D  
**FIELD:**  
**LOCATION:** SEC 24 TWP 6S RNG93W  
**COUNTRY:** USA  
**RIG:** Pat-UTI 308

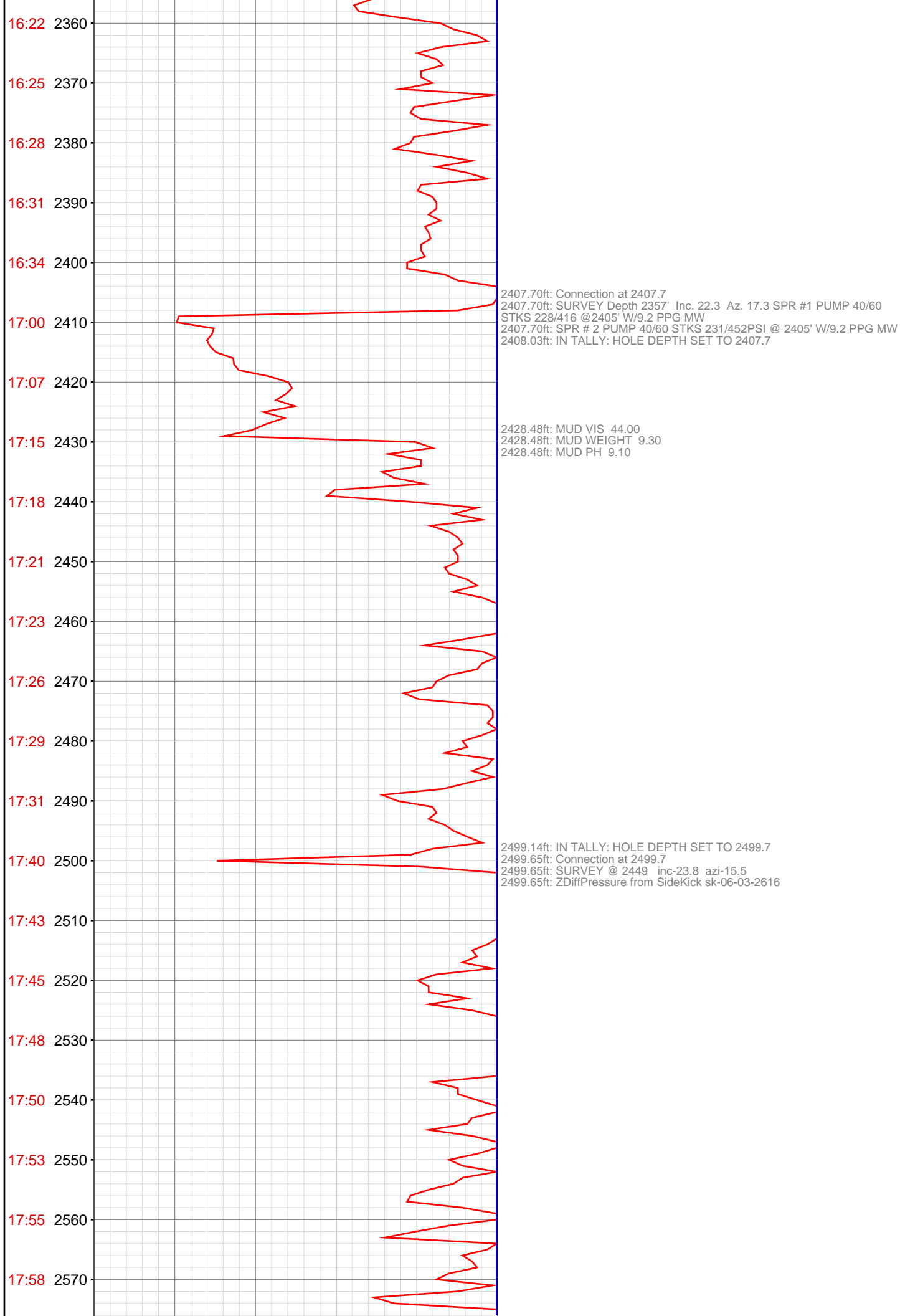
**CONTRACTOR:** Patterson-UTI Drilling Company  
**UNIQUE WELL ID:** 05-045-20874  
**SPUD DATE:** Dec 03, 2012 06:00  
**RELEASE DATE:** Dec 08, 2012 18:00

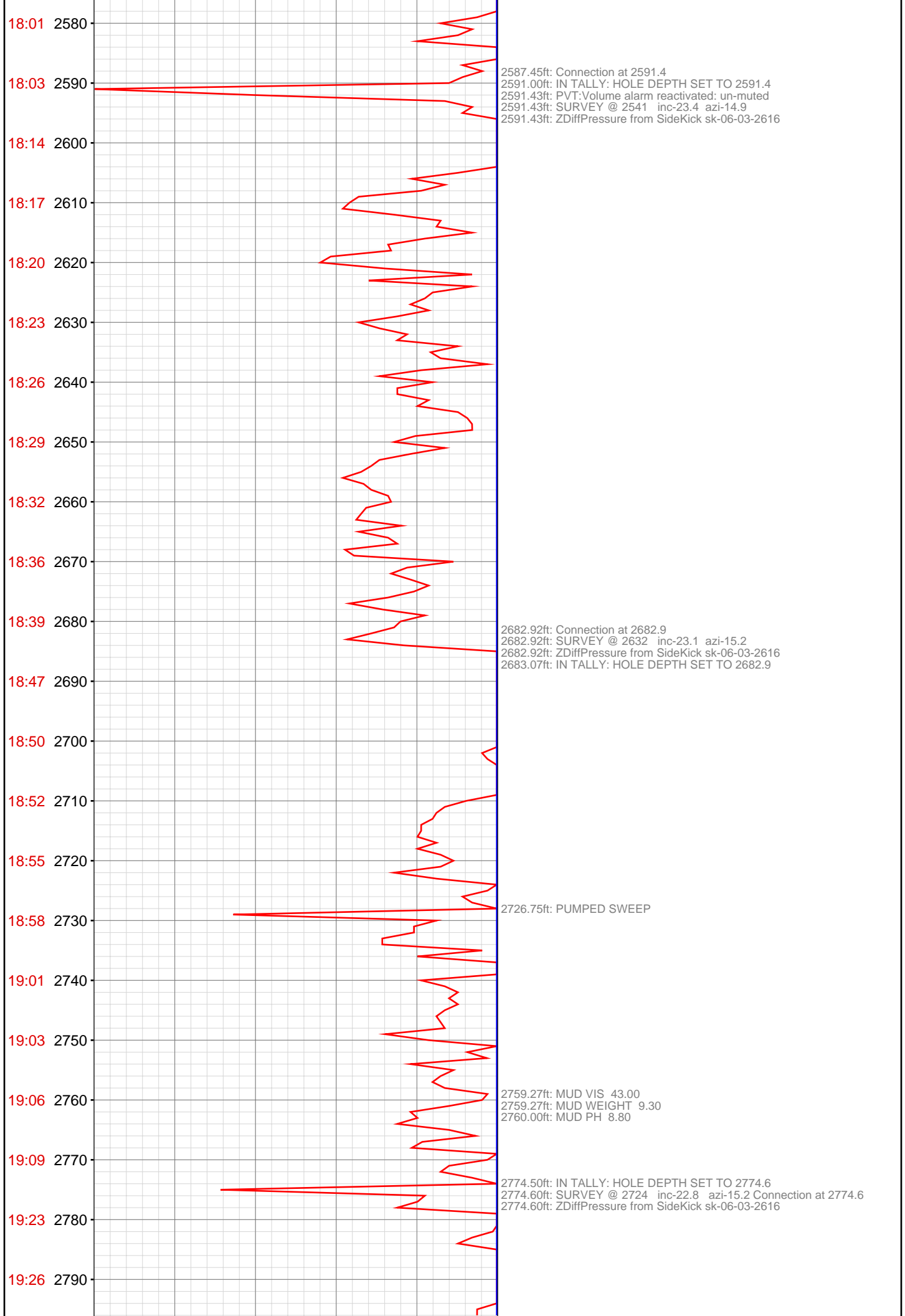


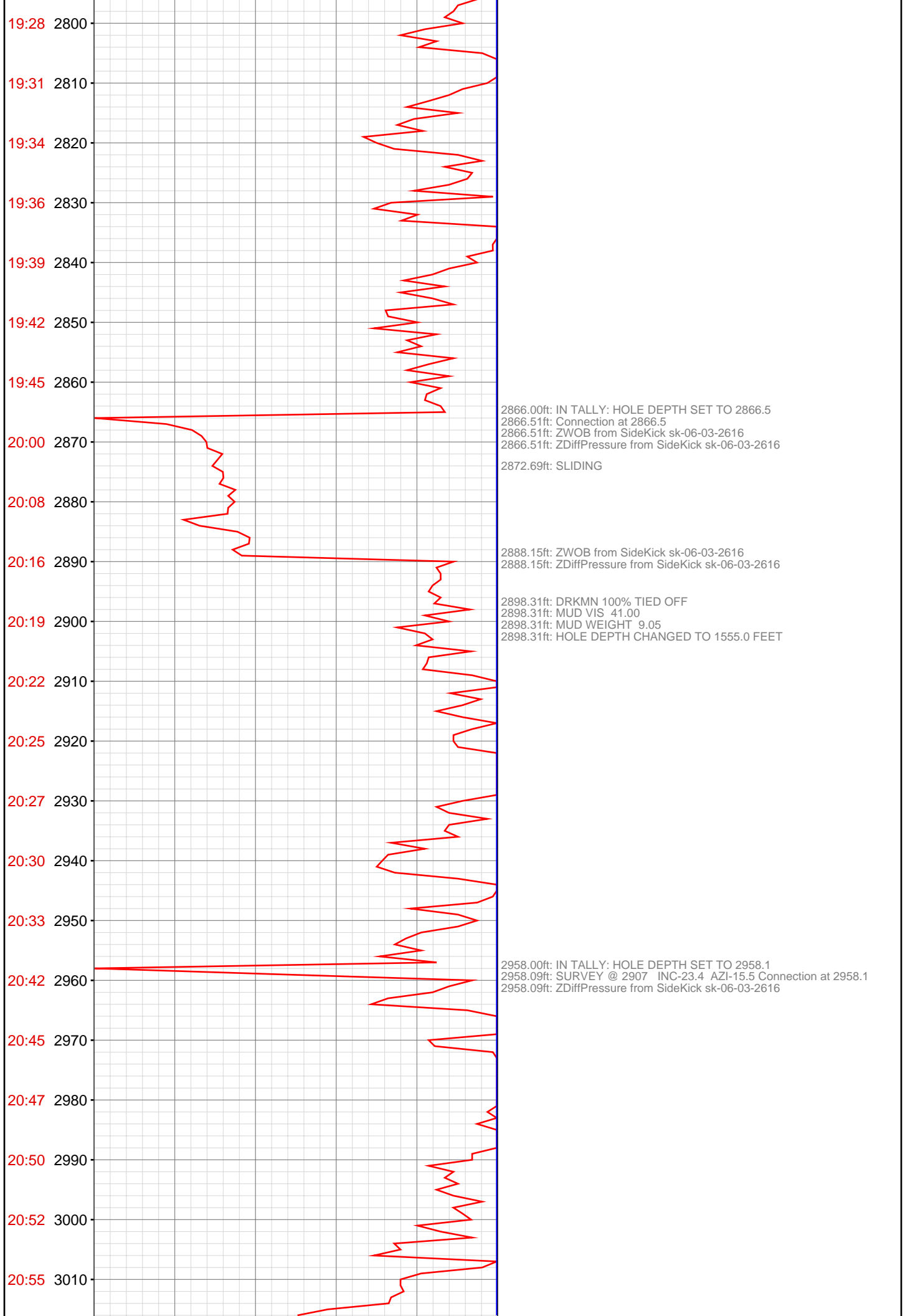


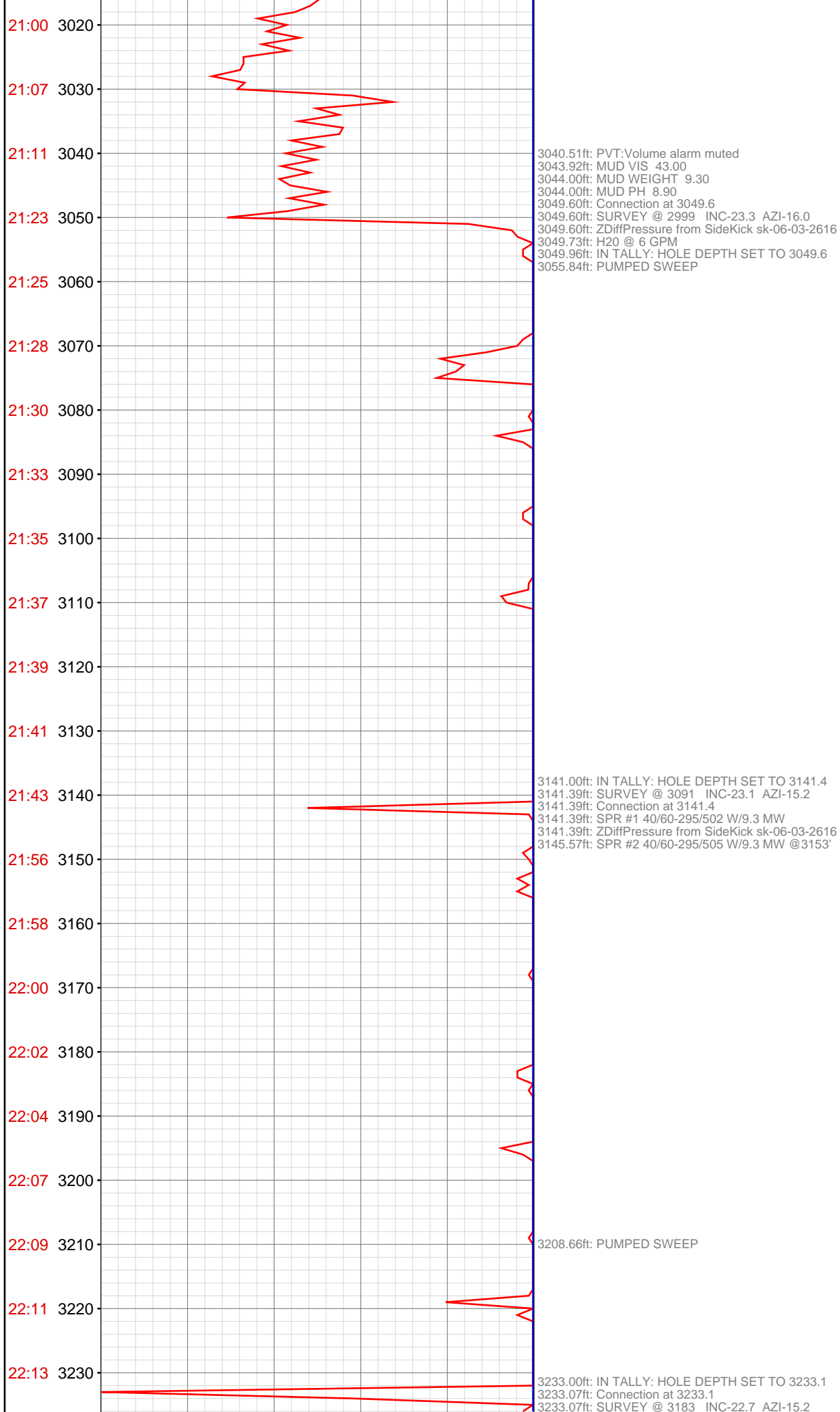


2335.97ft: DRKMN 100% TIED OFF  
2335.97ft: STRAP PIPE  
2335.97ft: DRKMN 100% TIED OFF  
2335.97ft: XO/6" COLLAR TO ODS TO RACK HWDP  
2335.97ft: STRAP HWDP

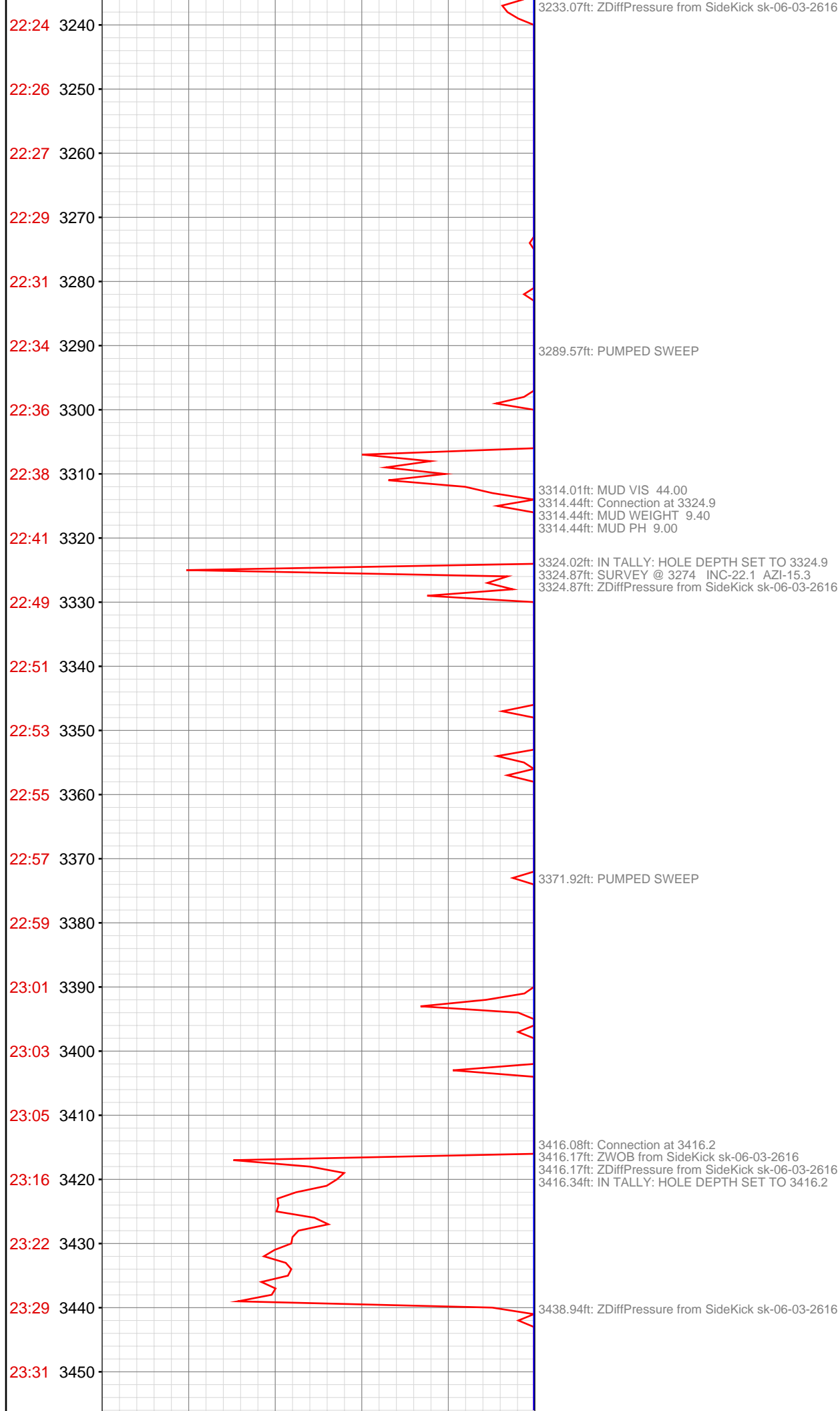


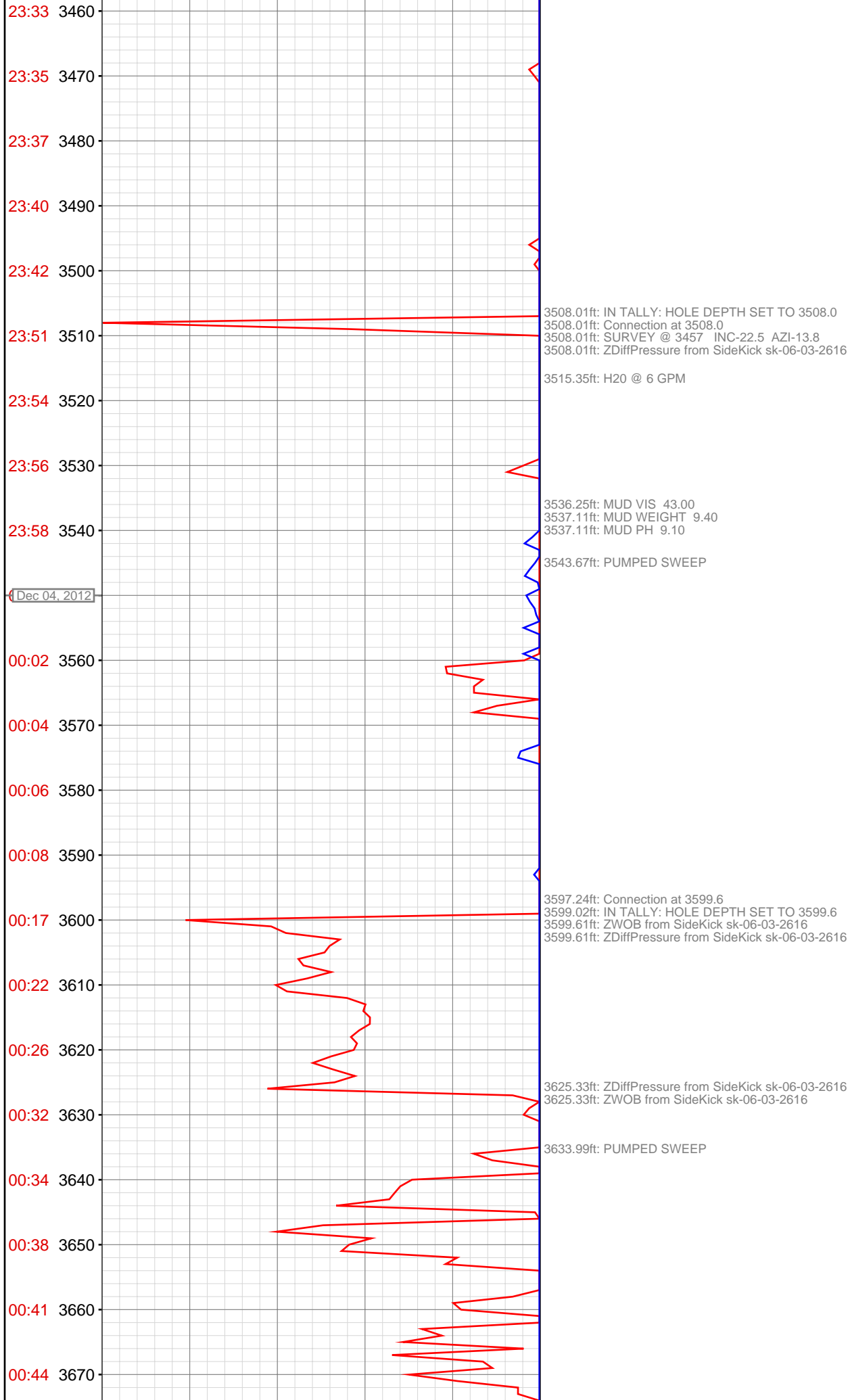


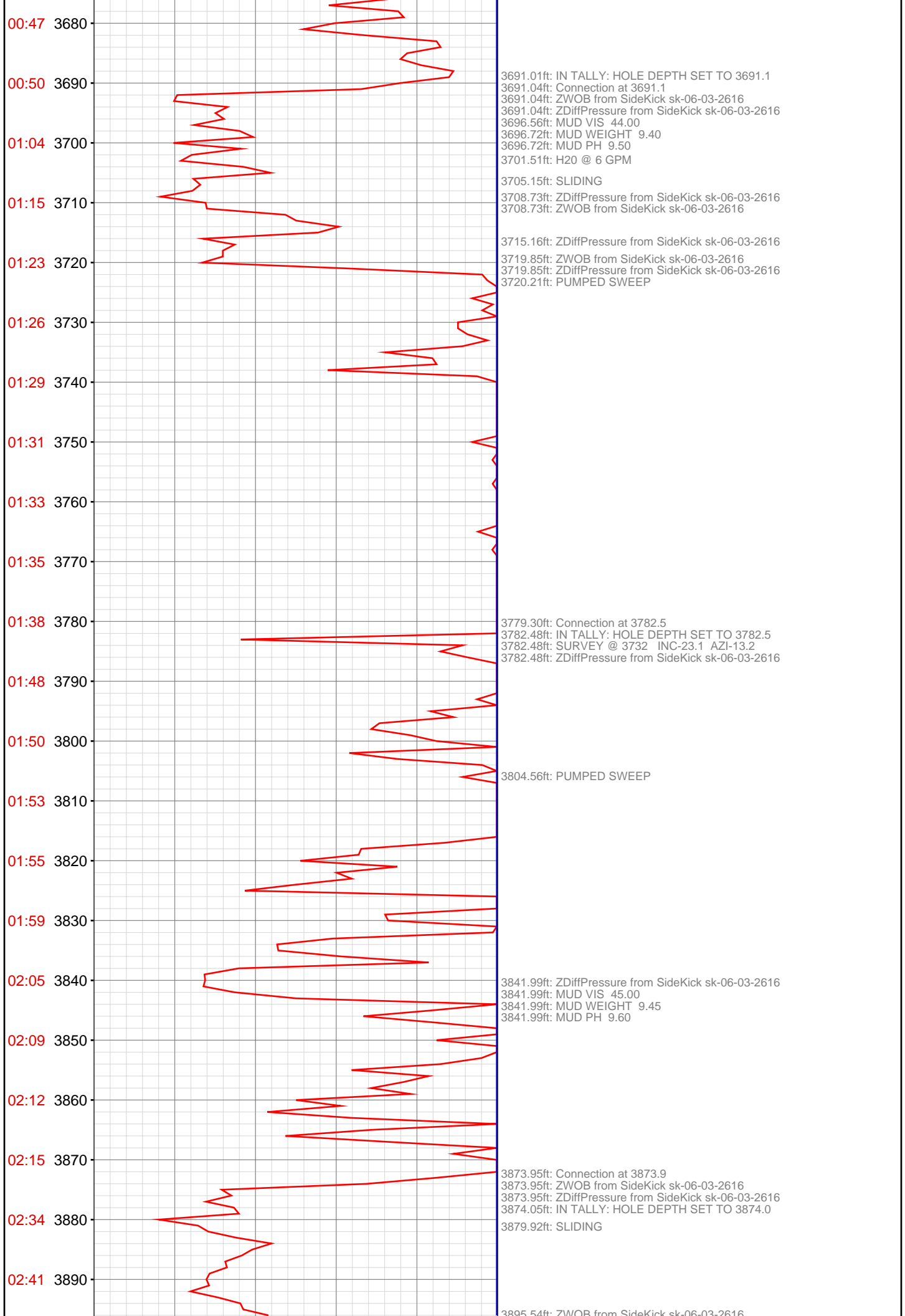


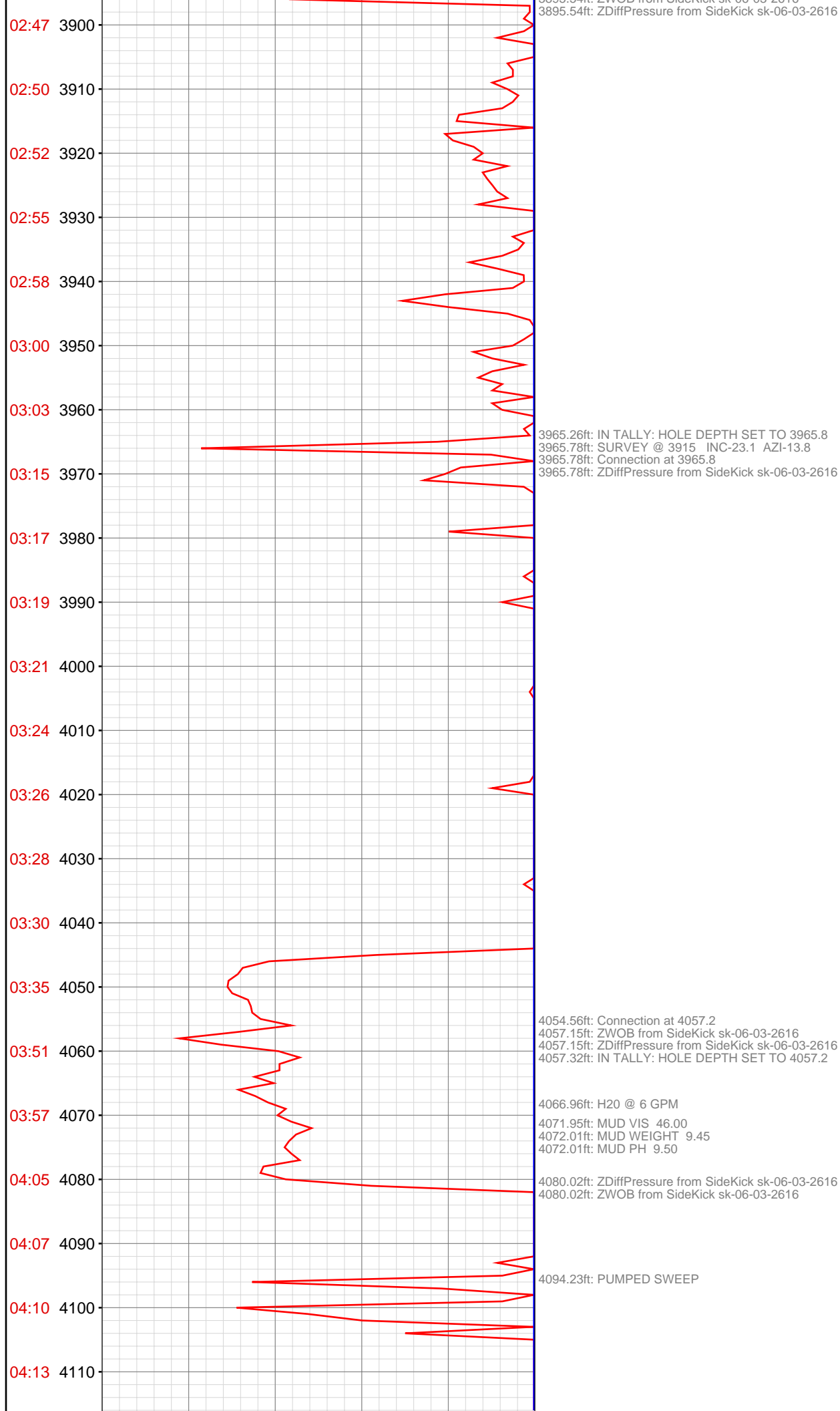


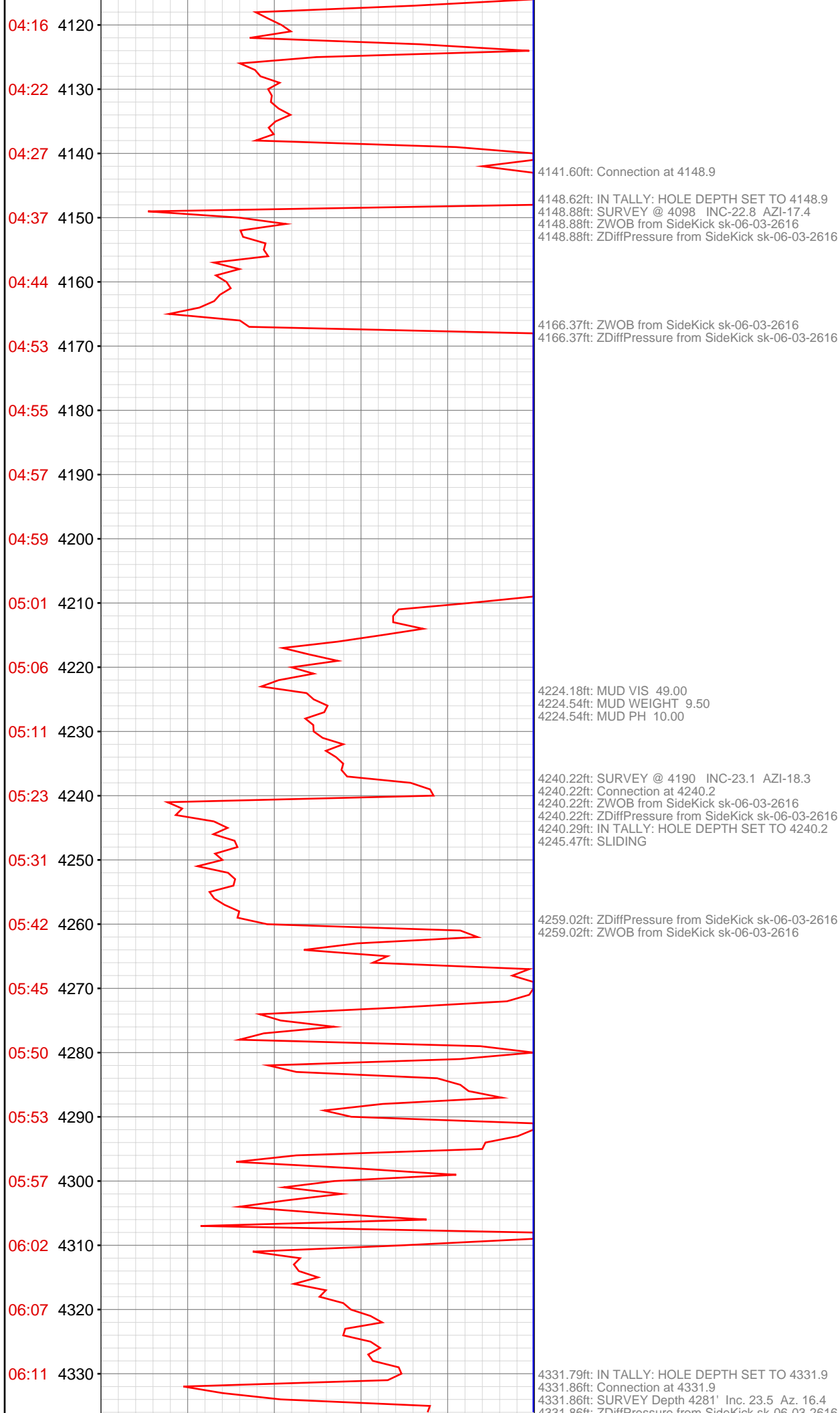












4337.00ft: ZDiffPressure from SideKick sk-06-03-2616

06:24 4340

06:28 4350

06:32 4360

06:37 4370

06:40 4380

06:45 4390

06:48 4400

06:51 4410

06:54 4420

07:39 4430

07:44 4440

07:53 4450

08:08 4460

08:14 4470

08:19 4480

08:23 4490

08:26 4500

08:30 4510

08:50 4520

09:02 4530

09:14 4540

09:16 4550

4366.99ft: MUD VIS 55.00  
4367.09ft: MUD WEIGHT 9.40  
4367.39ft: MUD PH 9.90

4423.26ft: IN TALLY: HOLE DEPTH SET TO 4423.3  
4423.26ft: Connection at 4423.3  
4423.26ft: SURVEY Depth 4373' Inc. 22.9 Az. 16.2 PUMP CELLAR  
4423.26ft: ZDiffPressure from SideKick sk-06-03-2616

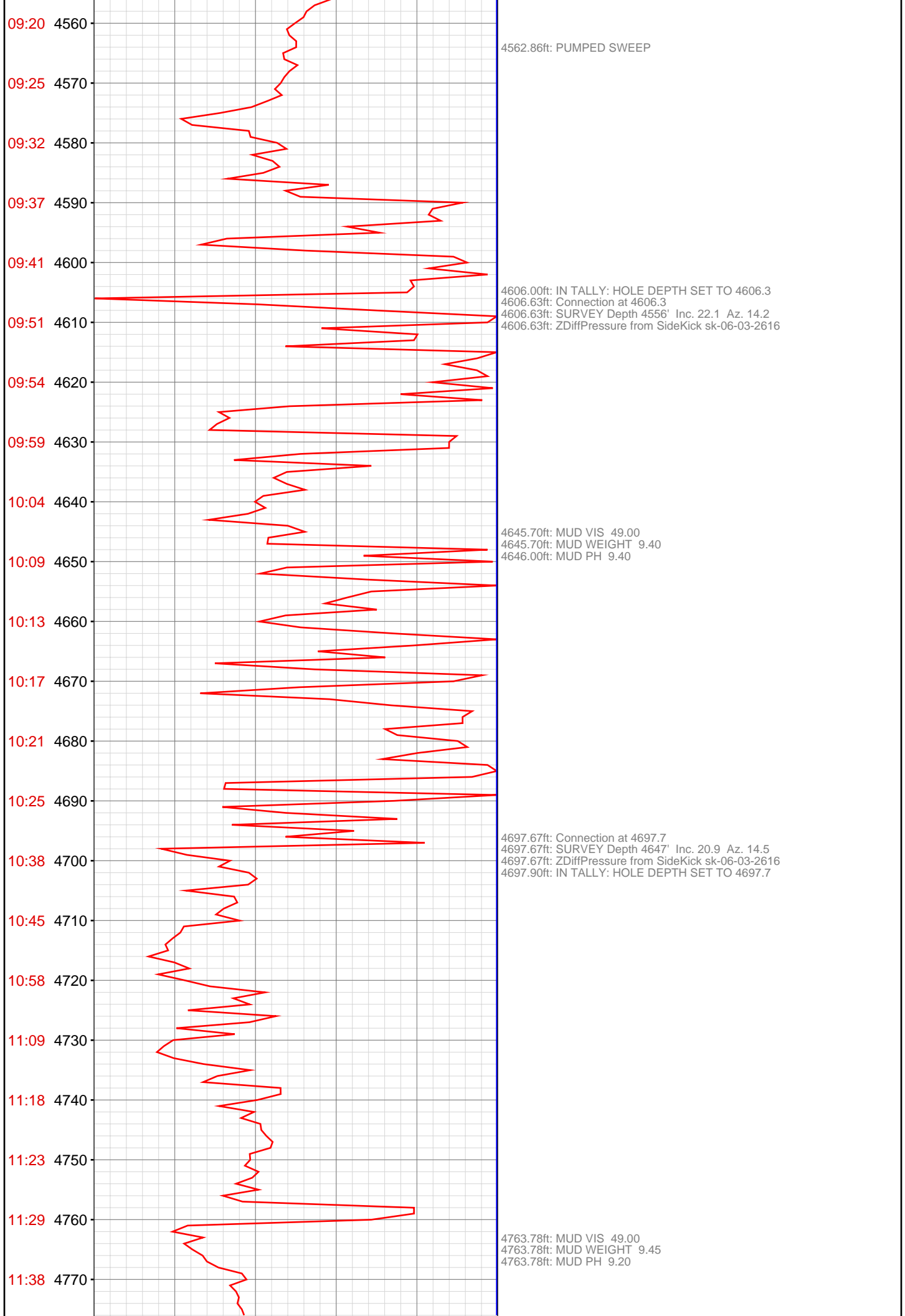
4430.91ft: RIG SERVICE  
4430.91ft: ZDiffPressure from SideKick sk-06-03-2616

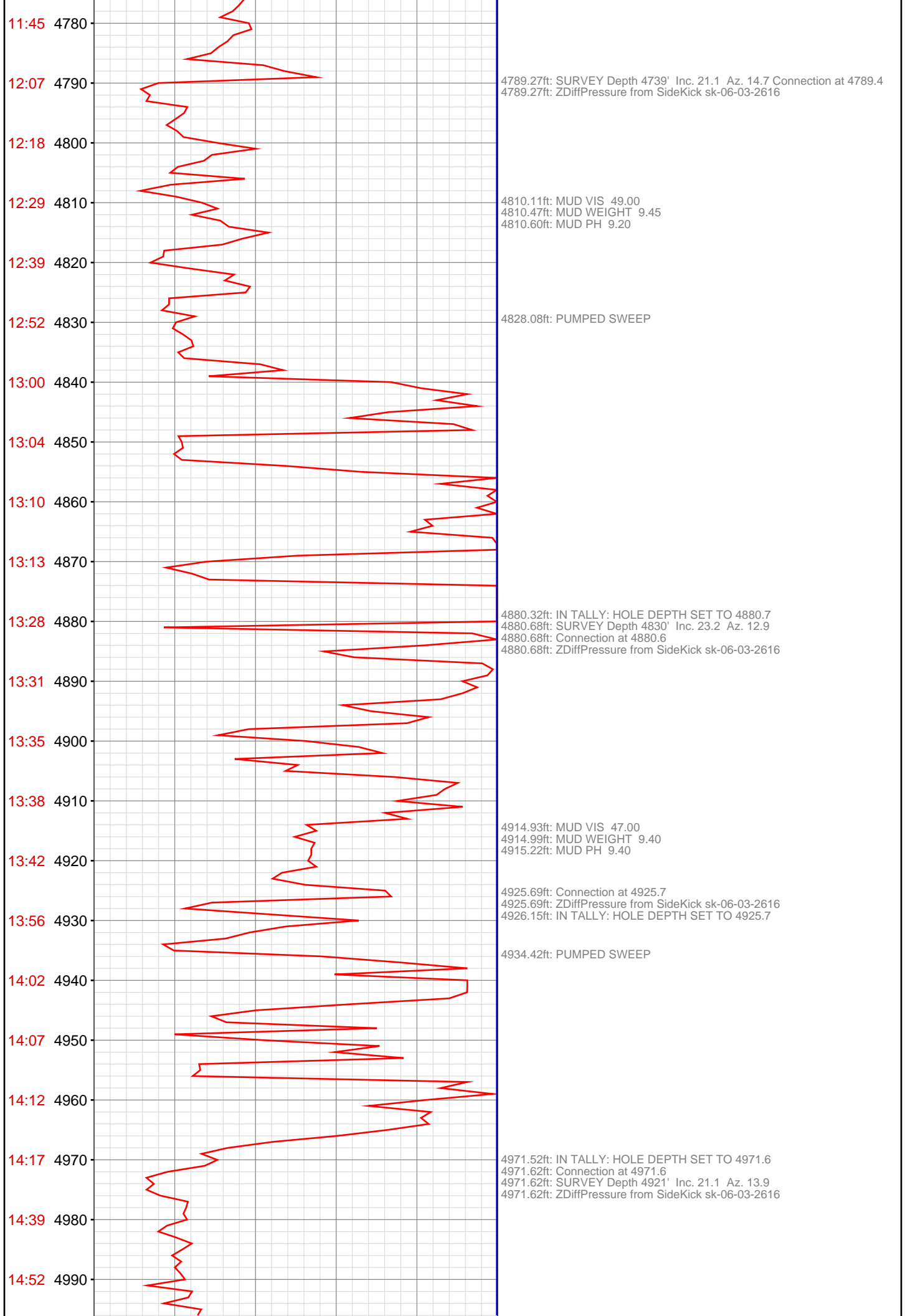
4453.58ft: ZDiffPressure from SideKick sk-06-03-2616

4460.79ft: MUD VIS 5.00  
4460.93ft: MUD VIS 50.00  
4460.99ft: MUD WEIGHT 9.40  
4461.15ft: MUD PH 9.50

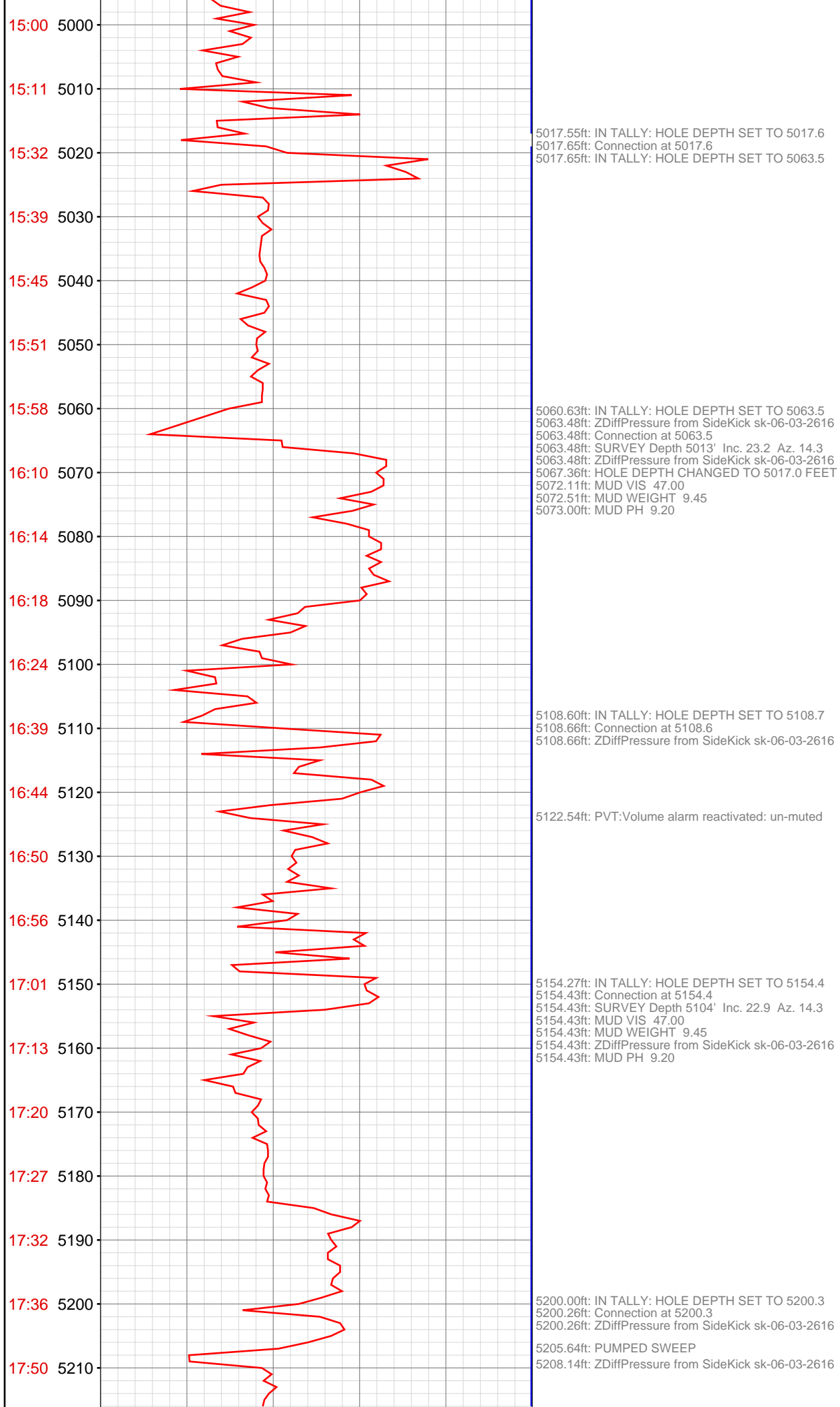
4514.40ft: IN TALLY: HOLE DEPTH SET TO 4514.7  
4514.67ft: Connection at 4514.7  
4514.67ft: SURVEY Depth 4464' Inc. 22.1 Az. 16.5  
4514.67ft: ZDiffPressure from SideKick sk-06-03-2616

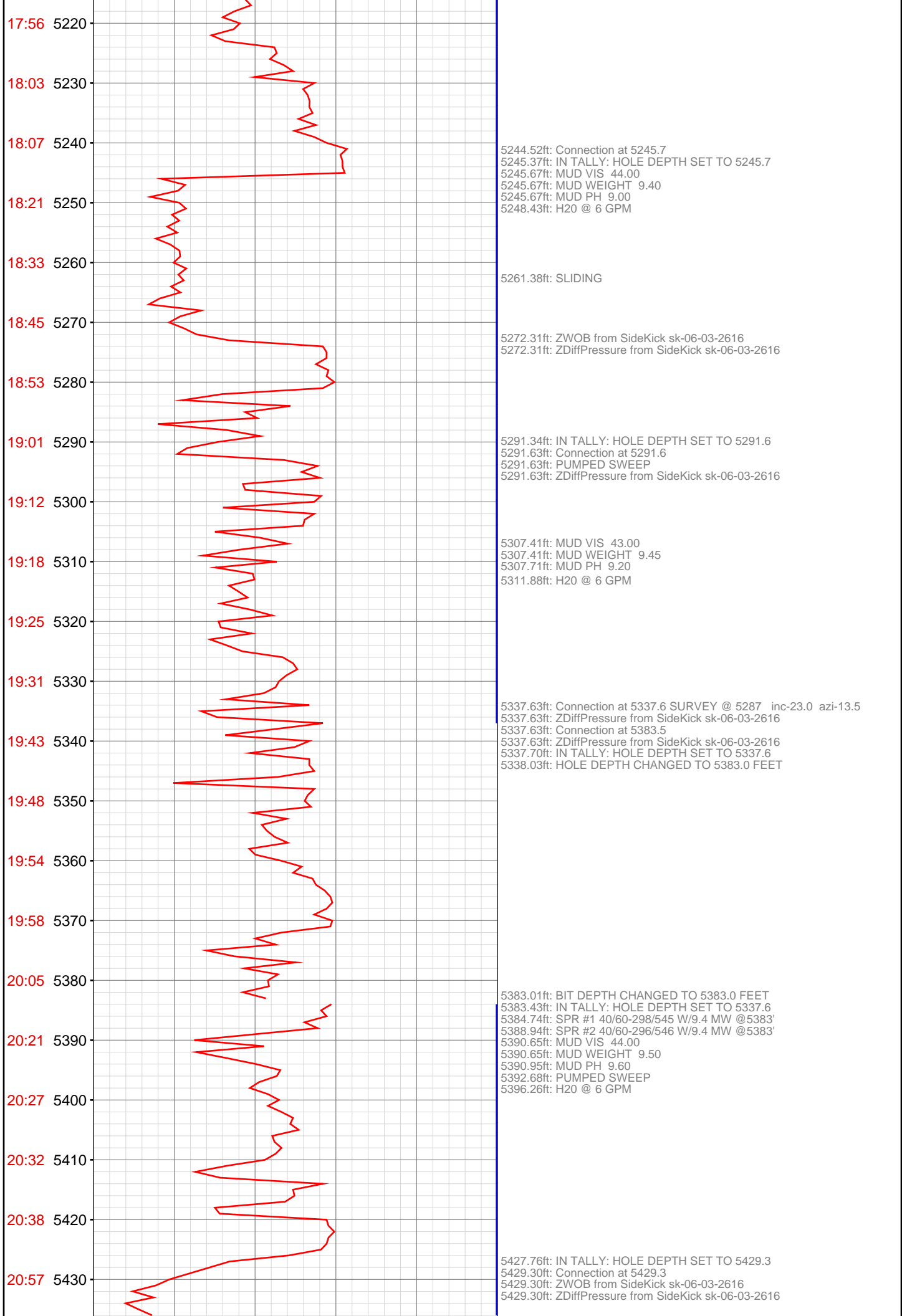
4533.92ft: MUD VIS 50.00  
4533.99ft: MUD WEIGHT 9.40  
4534.22ft: MUD PH 9.30

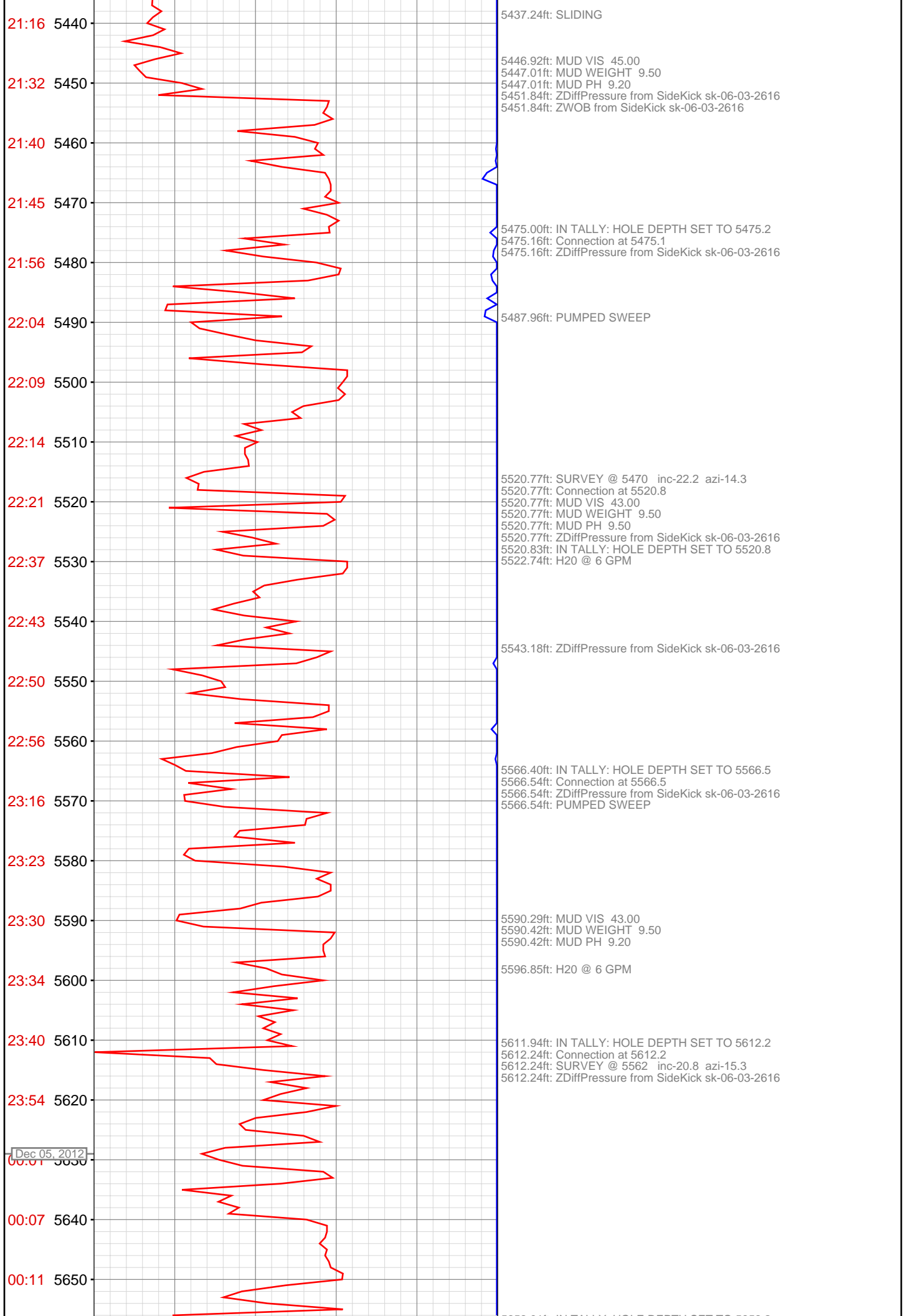


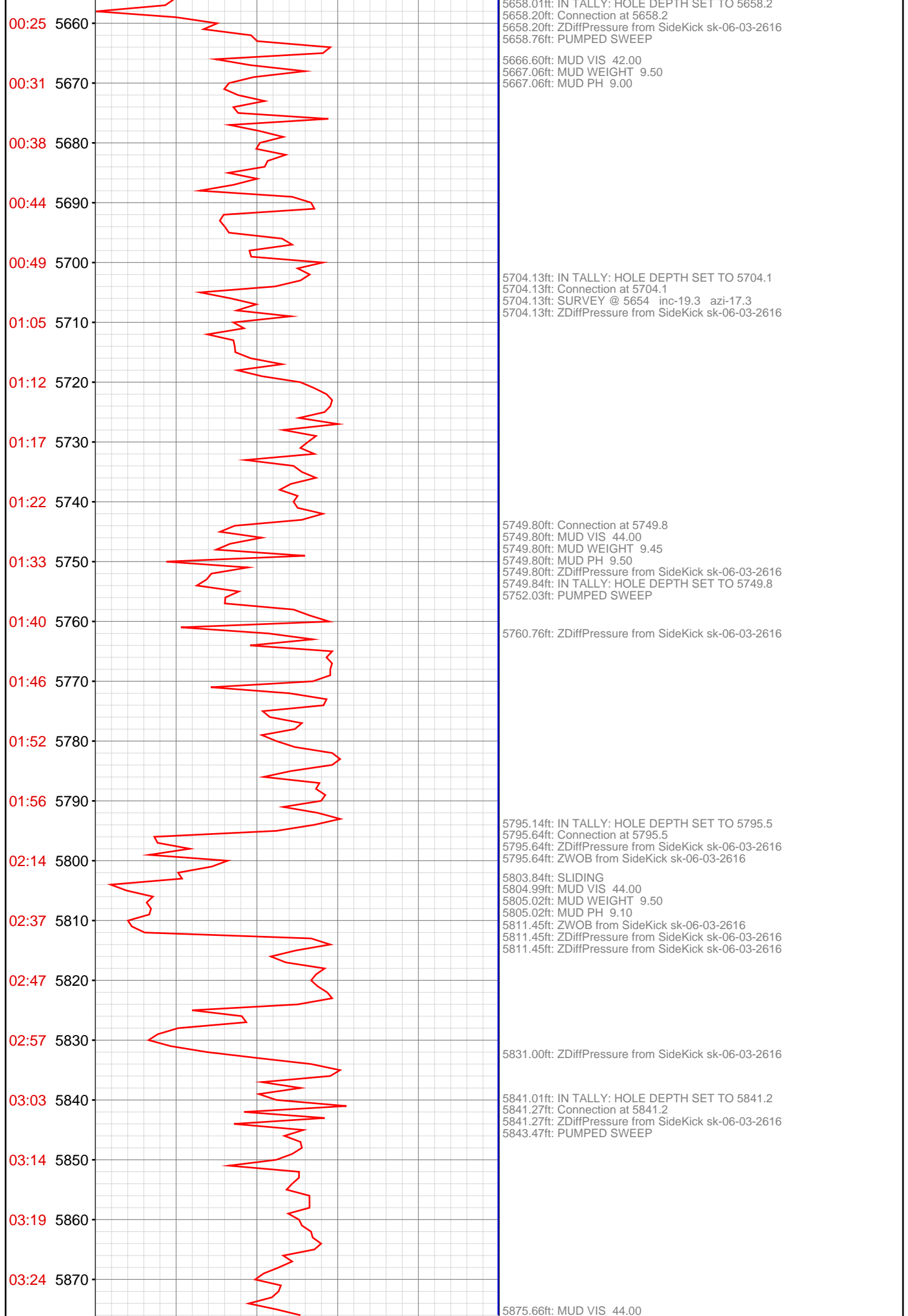


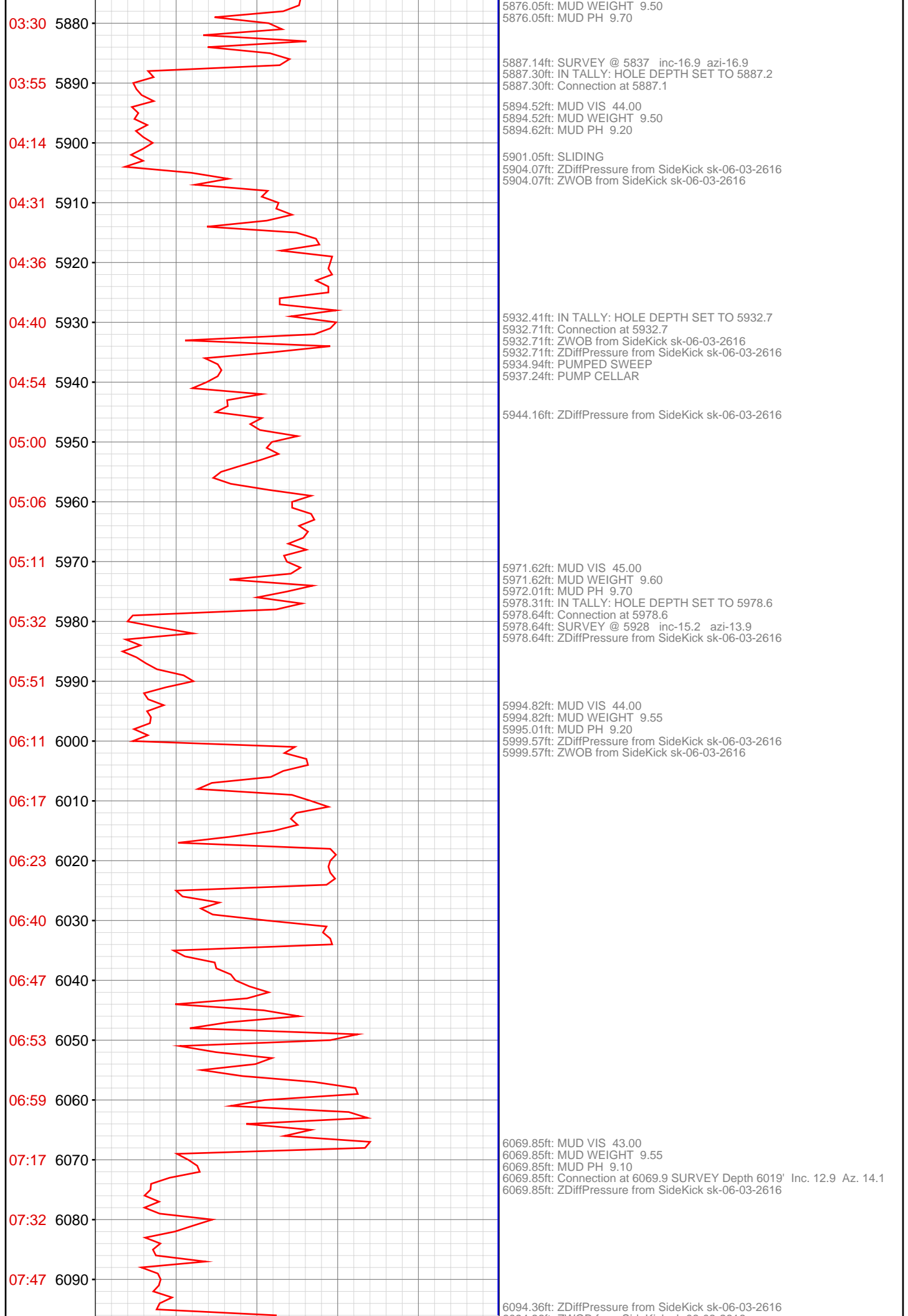












6094.36ft: ZWOB from SideKick sk-06-03-2616  
6097.93ft: PUMPED SWEEP  
6098.26ft: ZERO ALL PUMPS from SideKick sk-11-11-1355

6115.29ft: Connection at 6115.6  
6115.55ft: MUD VIS 43.00  
6115.55ft: MUD WEIGHT 9.60  
6115.55ft: MUD PH 9.10

6161.48ft: Connection at 6161.4  
6161.48ft: SURVEY Depth 6111' Inc. 10.6 Az. 12.3  
6162.89ft: MUD VIS 42.00  
6162.99ft: MUD WEIGHT 9.50  
6162.99ft: MUD PH 8.90

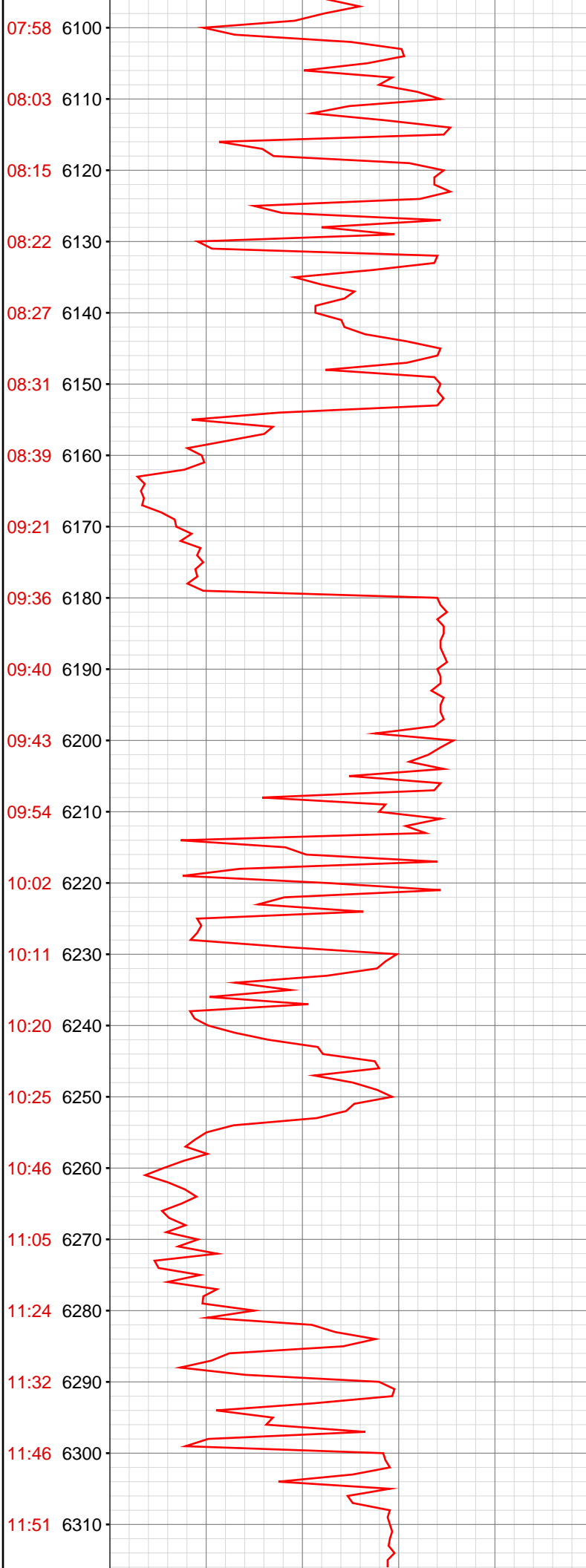
6207.32ft: ZDiffPressure from SideKick sk-06-03-2616  
6207.32ft: ZWOB from SideKick sk-06-03-2616  
6208.01ft: MUD VIS 43.00  
6208.30ft: MUD WEIGHT 9.70  
6208.30ft: MUD PH 9.00

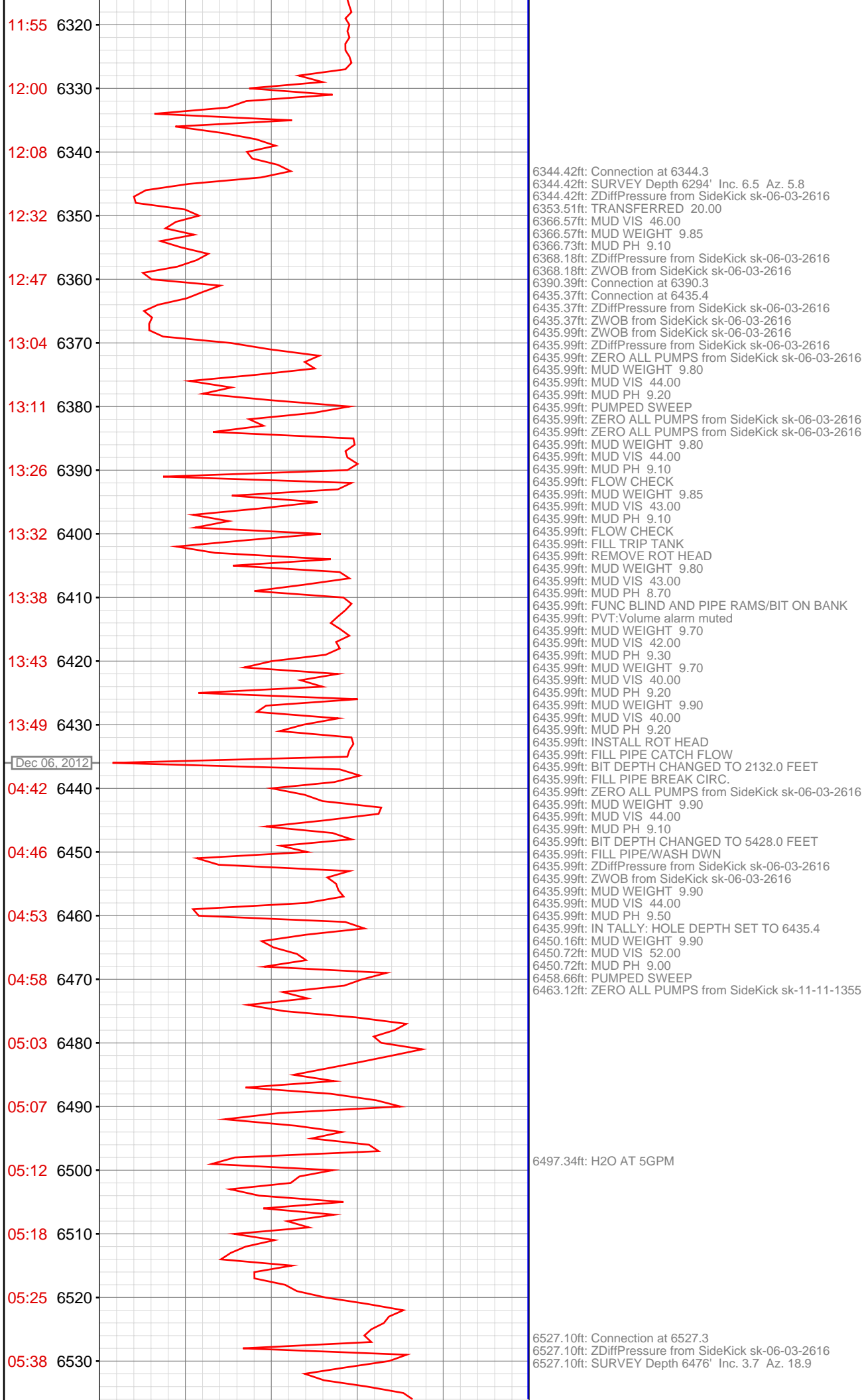
6253.18ft: ZWOB from SideKick sk-06-03-2616  
6253.18ft: ZDiffPressure from SideKick sk-06-03-2616  
6253.18ft: Connection at 6252.9  
6253.18ft: SURVEY Depth 6202' Inc. 8.8 Az. 10.8  
6253.18ft: ZDiffPressure from SideKick sk-06-03-2616

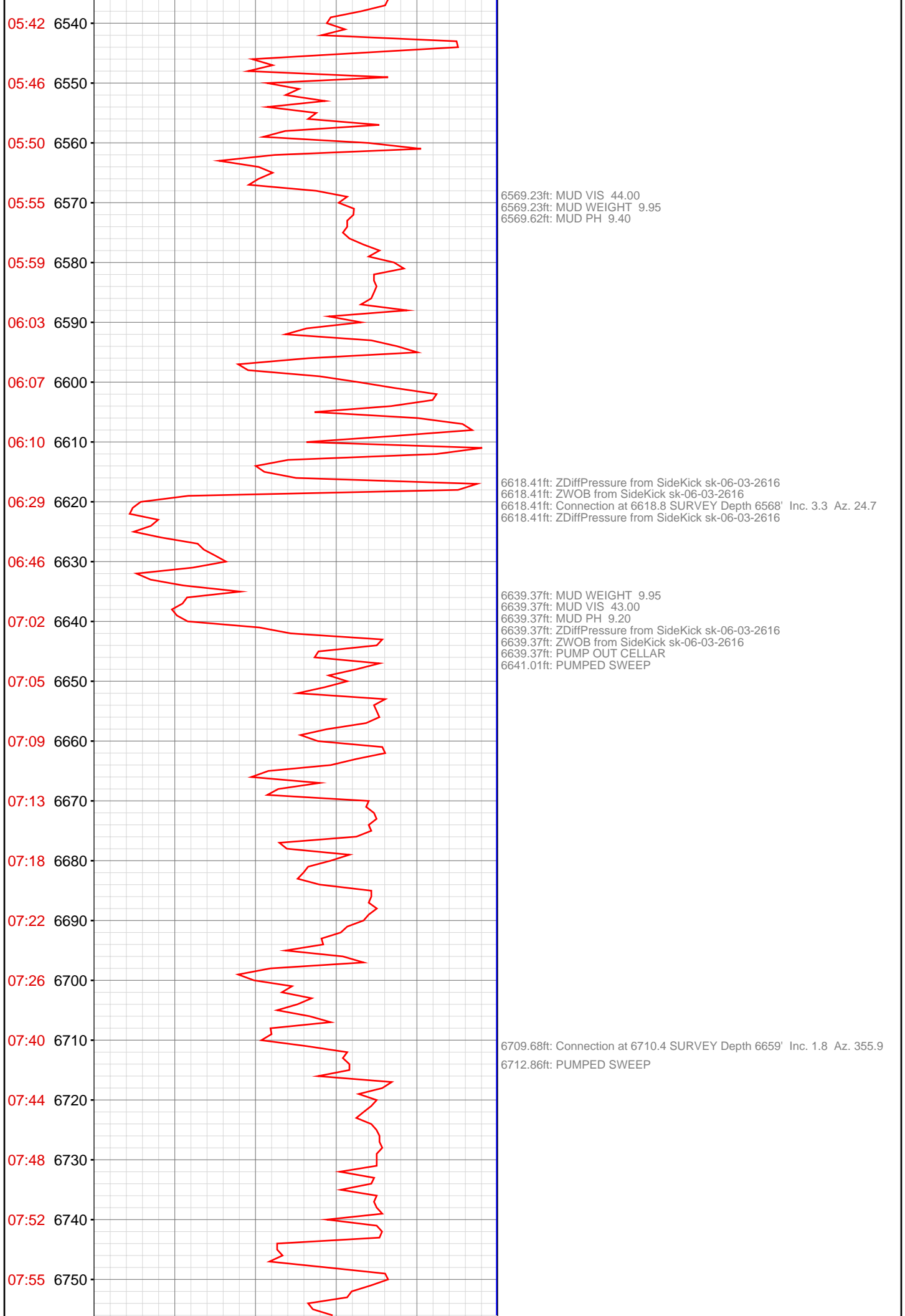
6266.08ft: MUD VIS 45.00  
6266.08ft: MUD WEIGHT 9.70  
6266.17ft: MUD PH 9.20

6280.25ft: ZDiffPressure from SideKick sk-06-03-2616  
6280.25ft: ZWOB from SideKick sk-06-03-2616

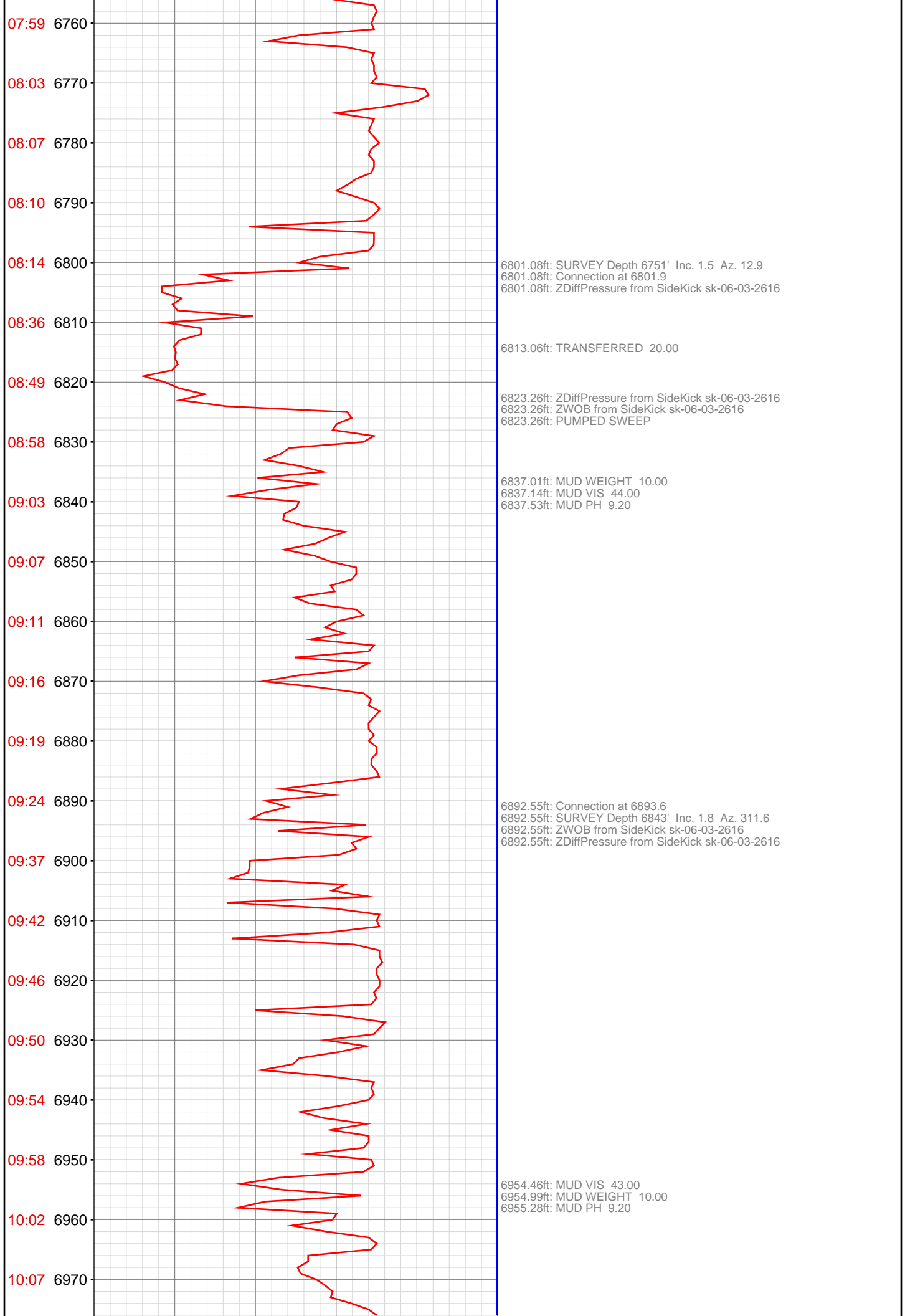
6296.16ft: Connection at 6298.4

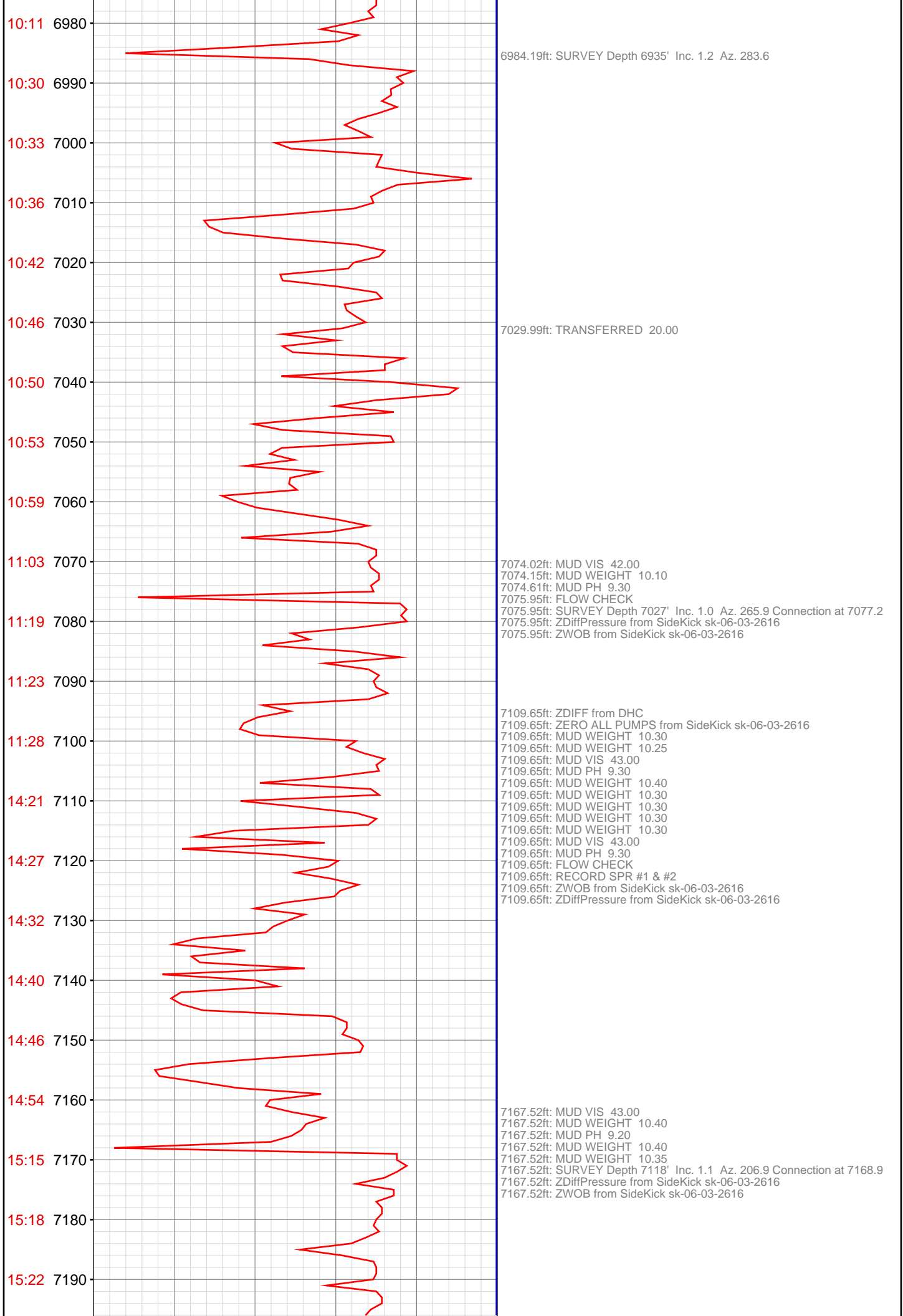


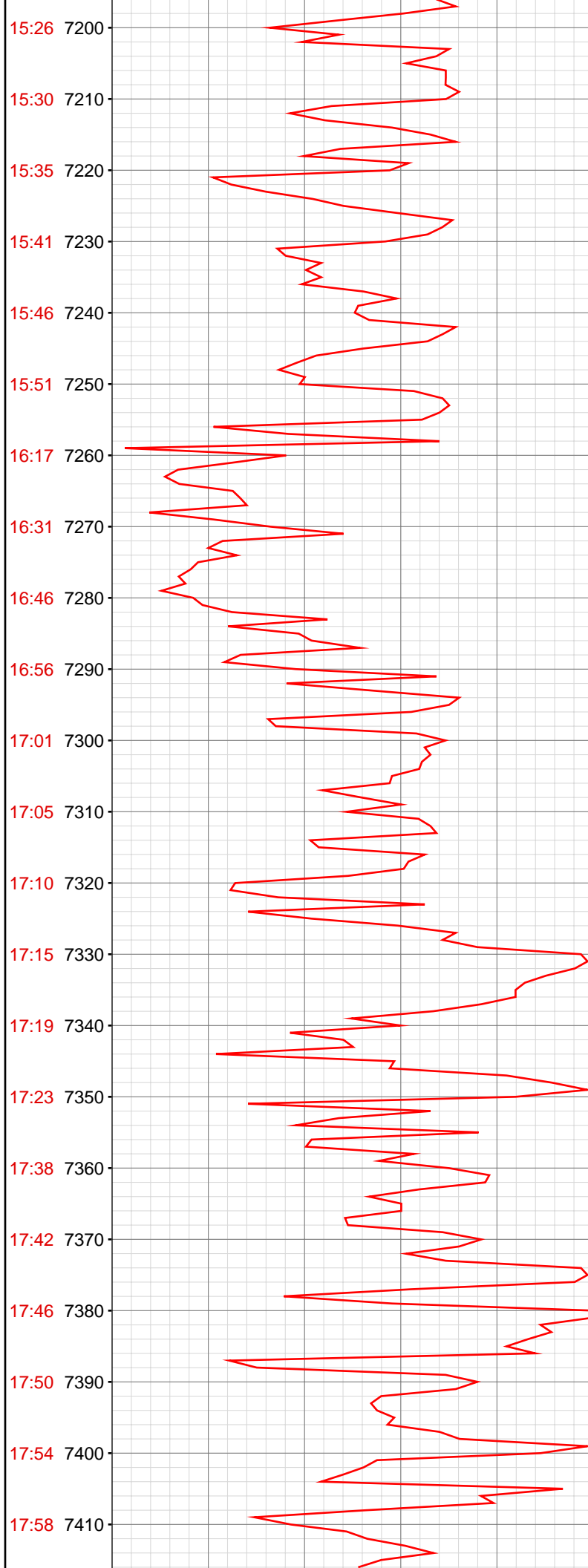












7233.69ft: MUD WEIGHT 10.45  
7233.96ft: MUD WEIGHT 10.40

7258.56ft: MUD VIS 42.00  
7258.56ft: MUD WEIGHT 10.45  
7258.56ft: MUD PH 9.20  
7258.56ft: Connection at 7260.0  
7258.56ft: SURVEY Depth 7209' Inc. 1.3 Az. 184.4  
7262.57ft: MUD WEIGHT 10.50  
7262.57ft: MUD WEIGHT 10.45  
7267.49ft: TRANSFER 100 BBLs TO UPRIGHT

7281.33ft: ZDiffPressure from SideKick sk-06-03-2616  
7281.33ft: ZWOB from SideKick sk-06-03-2616

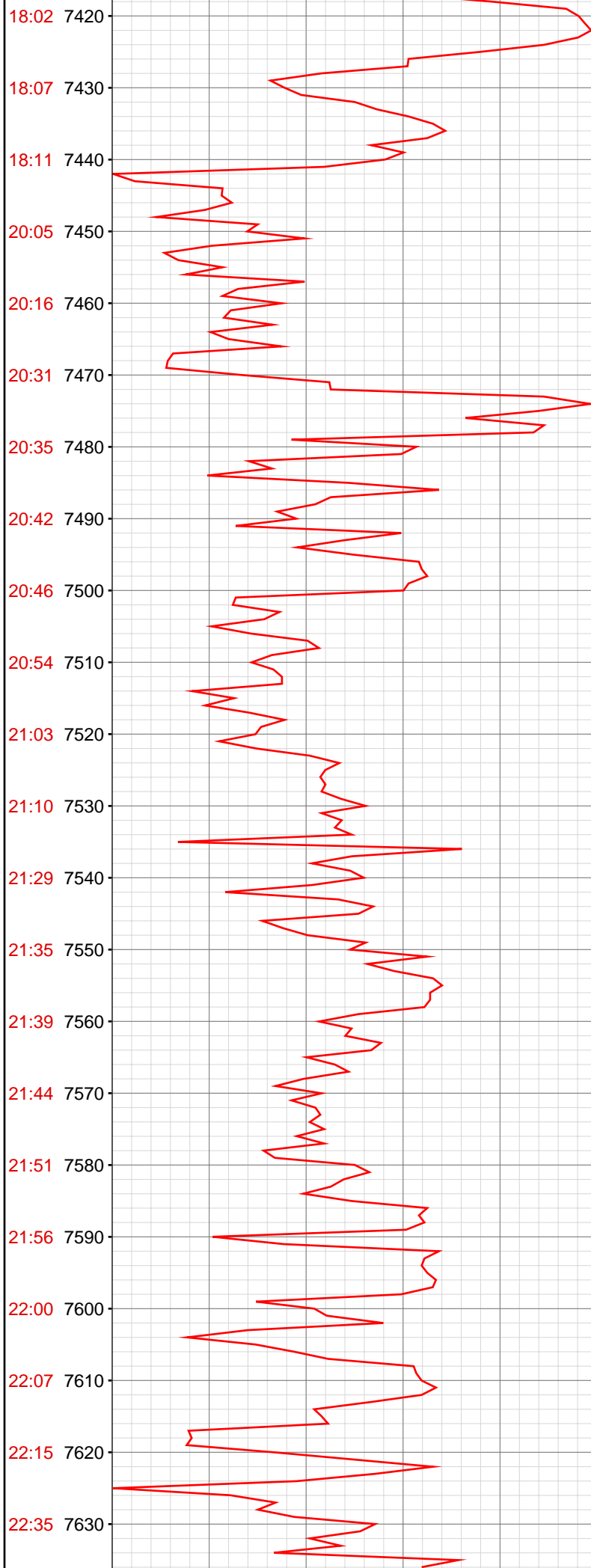
7292.03ft: TRANSFERRED 80.00

7305.28ft: MUD VIS 42.00  
7305.71ft: MUD WEIGHT 10.45  
7306.07ft: MUD PH 9.10

7350.10ft: SURVEY Depth 7301' Inc. 0.5 Az. 274.9  
7350.10ft: ZWOB from SideKick sk-06-03-2616  
7350.10ft: ZDiffPressure from SideKick sk-06-03-2616  
7350.10ft: Connection at 7351.5

7358.37ft: MUD WEIGHT 10.50  
7358.73ft: MUD WEIGHT 10.50

7376.58ft: MUD VIS 40.00  
7377.00ft: MUD WEIGHT 10.50  
7377.20ft: MUD PH 9.00



7441.99ft: IN TALLY: HOLE DEPTH SET TO 7442.9

7442.91ft: MUD VIS 44.00

7442.91ft: MUD WEIGHT 10.50

7442.91ft: MUD PH 9.00

7442.91ft: RIG SERVICE

7442.91ft: MUD WEIGHT 10.50

7442.91ft: MUD VIS 45.00

7442.91ft: MUD PH 9.00

7442.91ft: ZDiffPressure from SideKick sk-06-03-2616

7442.91ft: SURVEY @ 7392 inc-0.4 azi-157.3

7442.91ft: Connection at 7442.9

7446.56ft: MUD WEIGHT 10.55

7446.56ft: MUD VIS 43.00

7446.75ft: MUD PH 9.30

7450.00ft: H2O AT 4GPM

7511.71ft: MUD WEIGHT 10.55

7511.71ft: MUD VIS 43.00

7511.91ft: MUD PH 9.20

7533.99ft: SURVEY @ 7484 inc-0.4 azi-36.9

7533.99ft: Connection at 7534.3

7542.26ft: PUMPED SWEEP

7544.49ft: ZERO ALL PUMPS from SideKick sk-11-11-1355

7588.09ft: MUD WEIGHT 10.65

7588.55ft: MUD VIS 43.00

7589.01ft: MUD PH 9.10

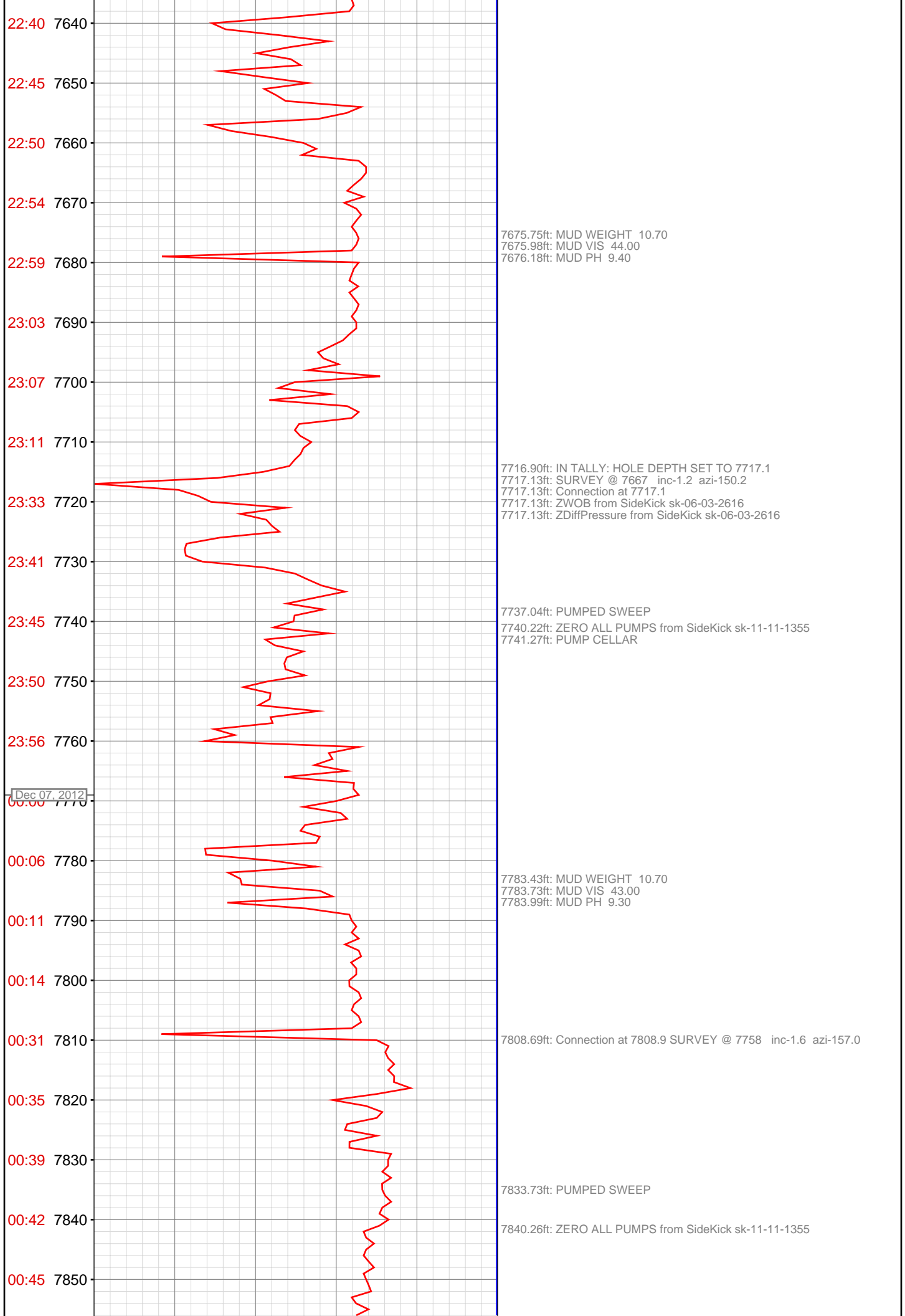
7625.00ft: IN TALLY: HOLE DEPTH SET TO 7625.4

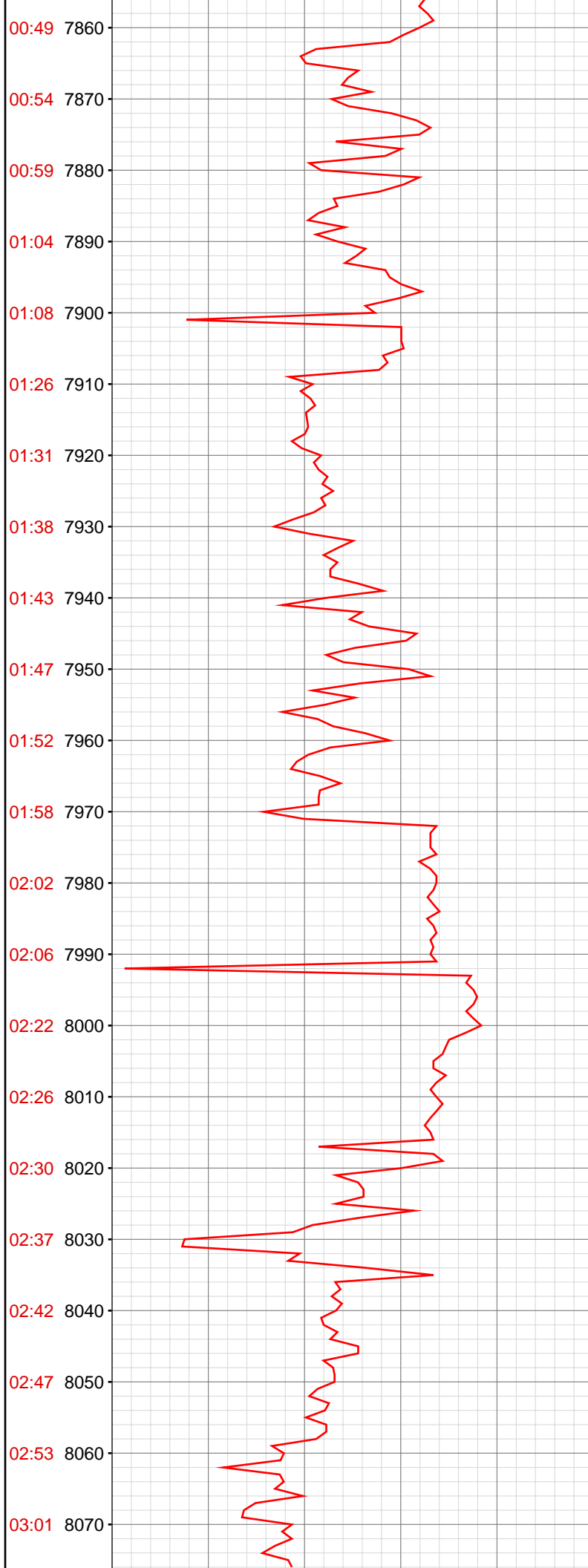
7625.36ft: SURVEY @ 7575 inc-0.3 azi-100.0

7625.36ft: Connection at 7625.4

7625.36ft: ZDiffPressure from SideKick sk-06-03-2616

7625.36ft: ZWOB from SideKick sk-06-03-2616





7878.61ft: MUD WEIGHT 10.70  
7879.00ft: MUD VIS 42.00  
7879.17ft: MUD PH 9.20

7900.03ft: SURVEY @ 7850 inc-2.3 azi-149.7  
7900.03ft: Connection at 7900.5  
7900.03ft: ZDiffPressure from SideKick sk-06-03-2616  
7900.03ft: ZWOB from SideKick sk-06-03-2616

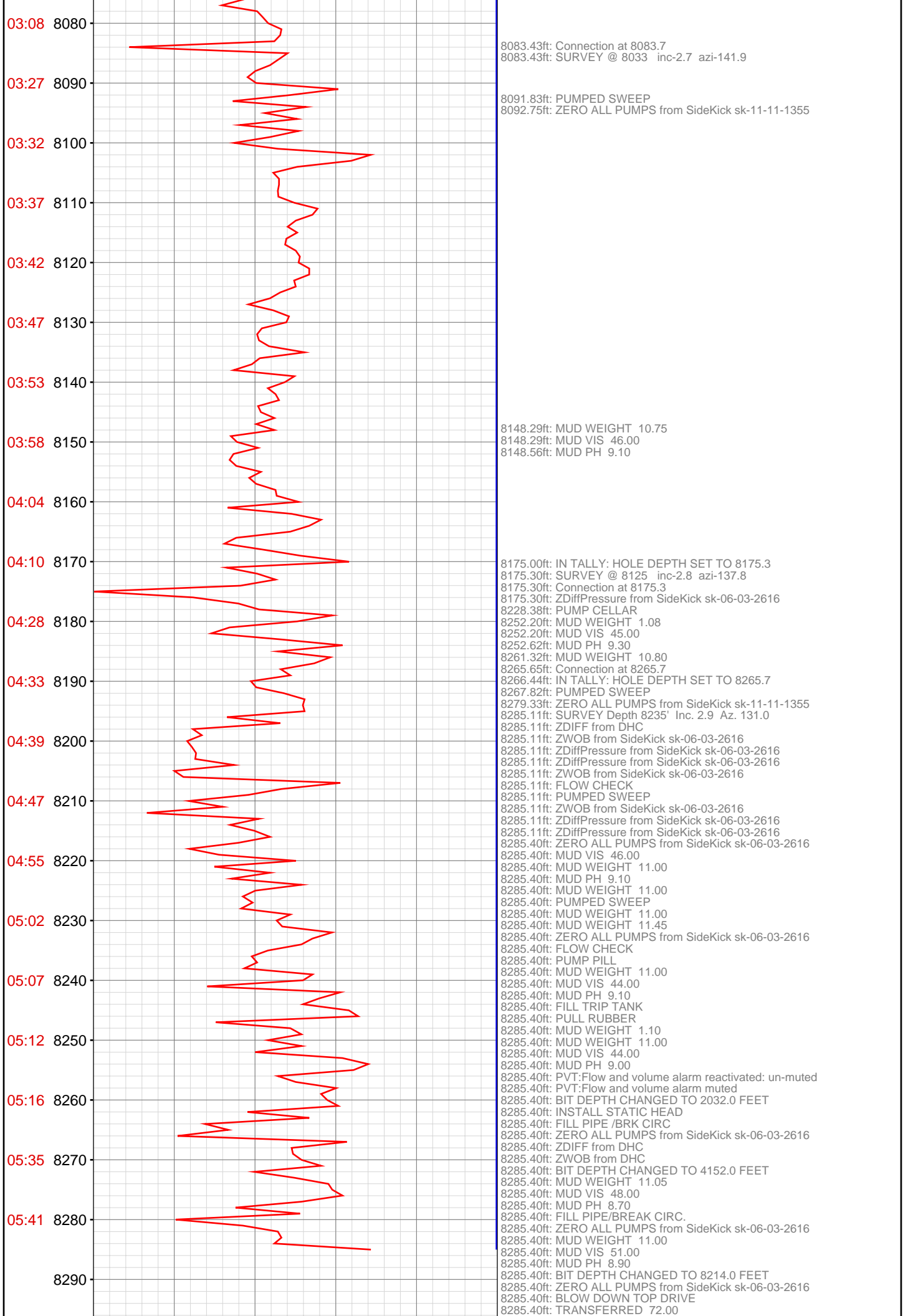
7936.29ft: PUMPED SWEEP

7941.01ft: ZERO ALL PUMPS from SideKick sk-11-11-1355

7982.71ft: MUD WEIGHT 10.70  
7983.20ft: MUD VIS 44.00  
7983.20ft: MUD PH 9.00

7991.37ft: IN TALLY: HOLE DEPTH SET TO 7992.0  
7991.96ft: SURVEY @ 7941 inc-2.2 azi-147.5  
7991.96ft: Connection at 7992.0

8065.95ft: MUD WEIGHT 10.70  
8066.01ft: MUD VIS 45.00  
8066.21ft: MUD PH 9.60



8285.40ft: TRANSFERRED	75.00
8285.40ft: ZDIFF from DHC	