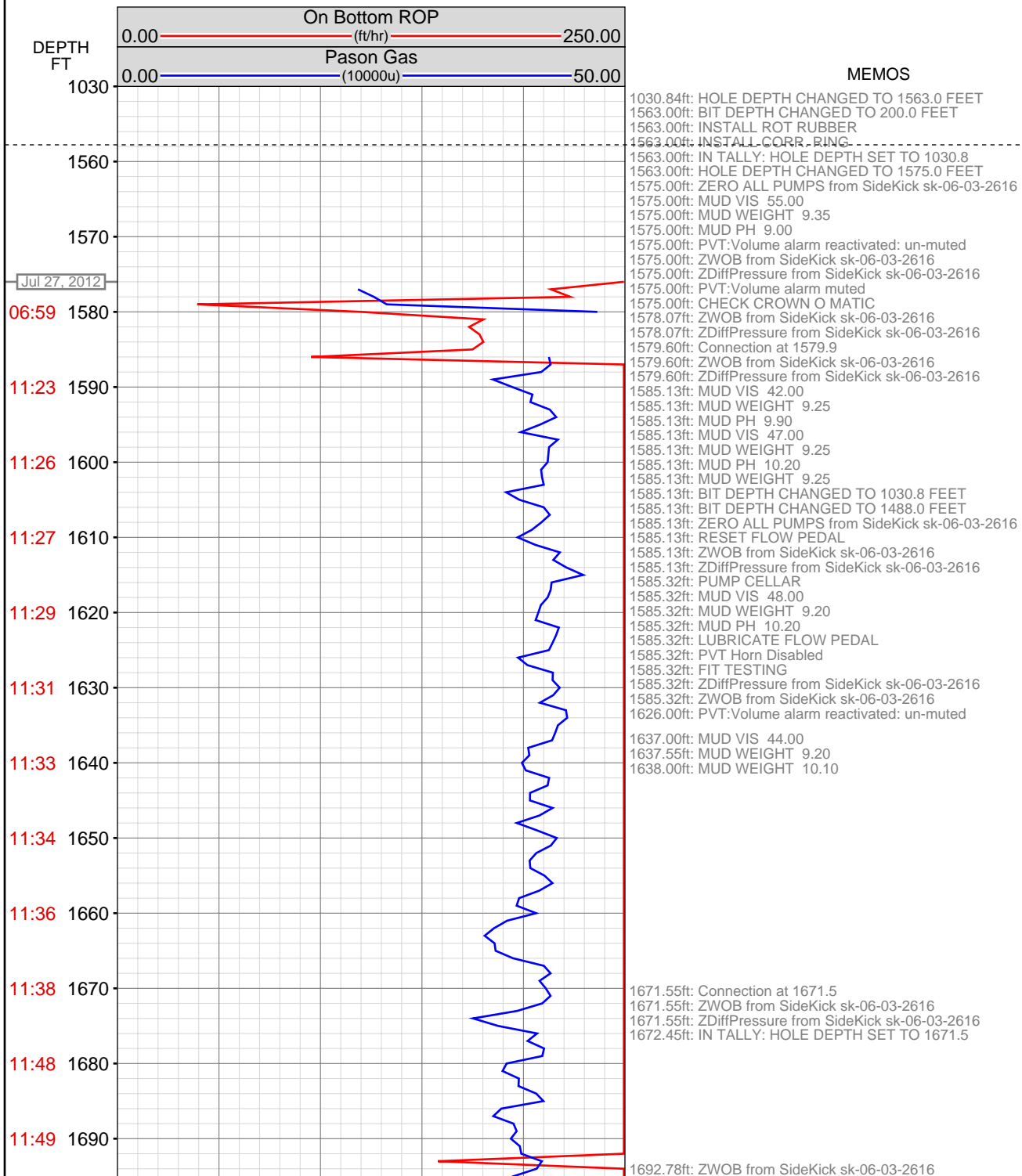
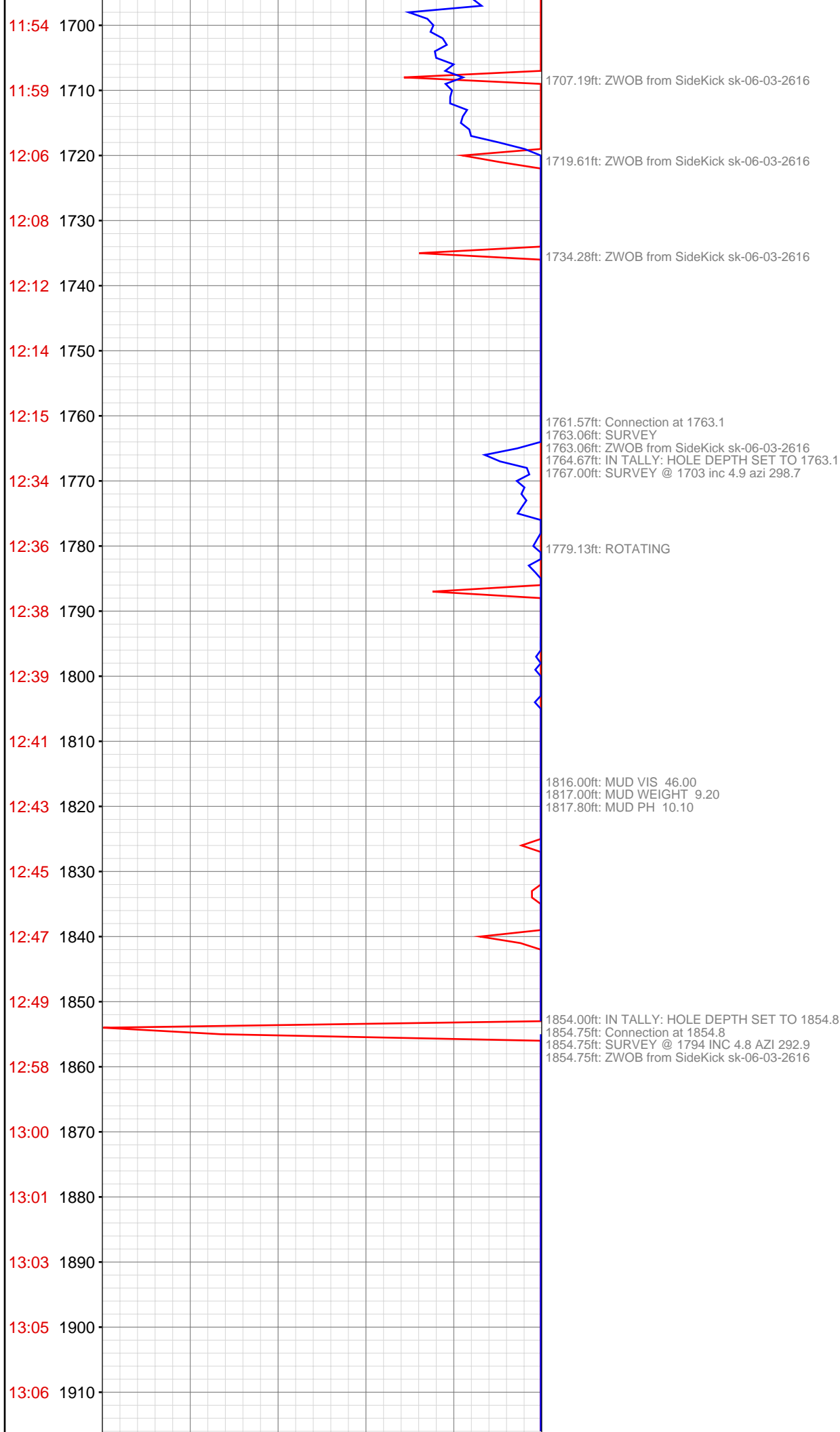
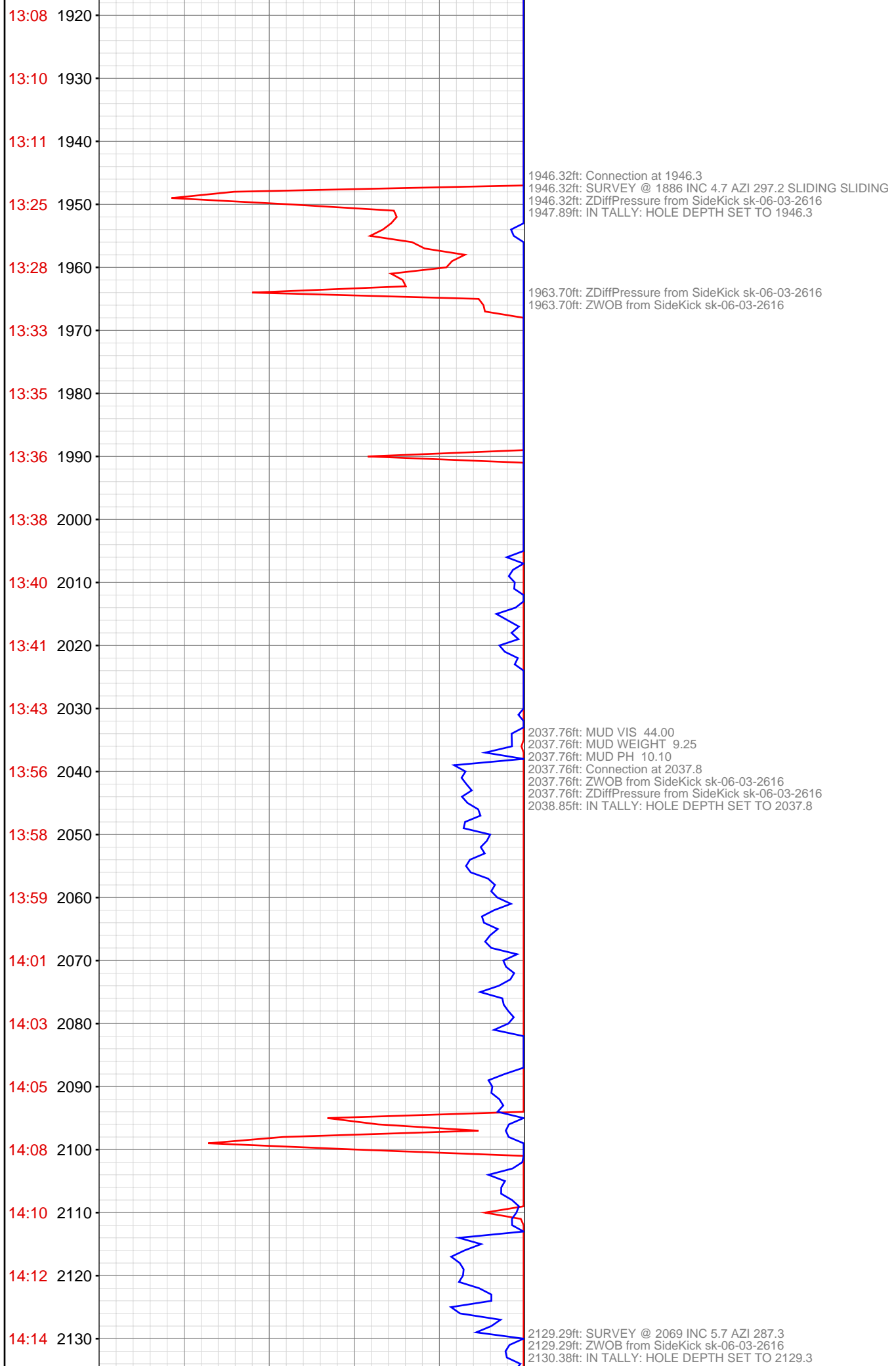


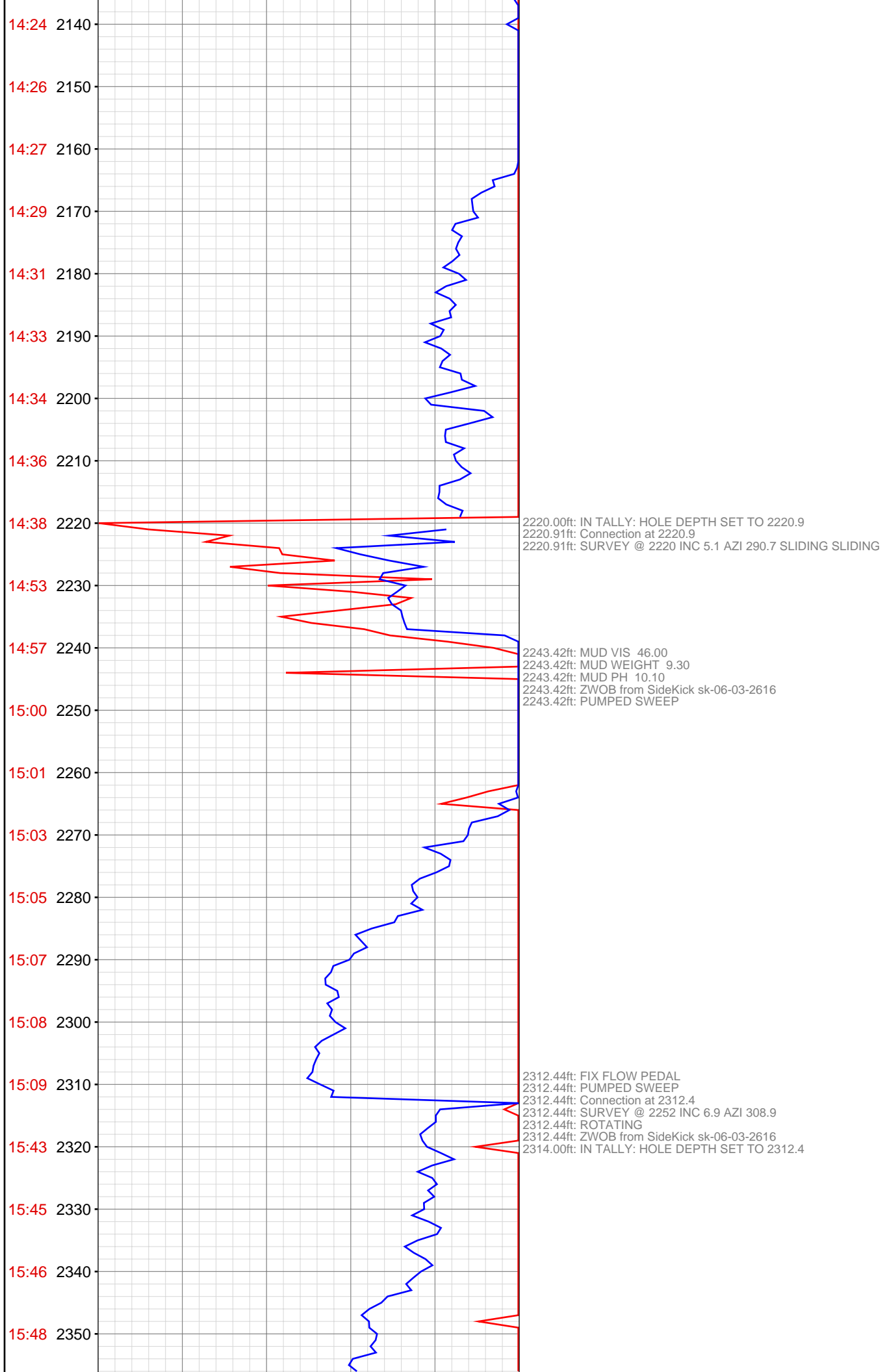
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: M16W 16-13B
FIELD:
LOCATION: SE/SW SEC 16 TS7SRG93W
COUNTRY: USA
RIG: Pat-UTI 308

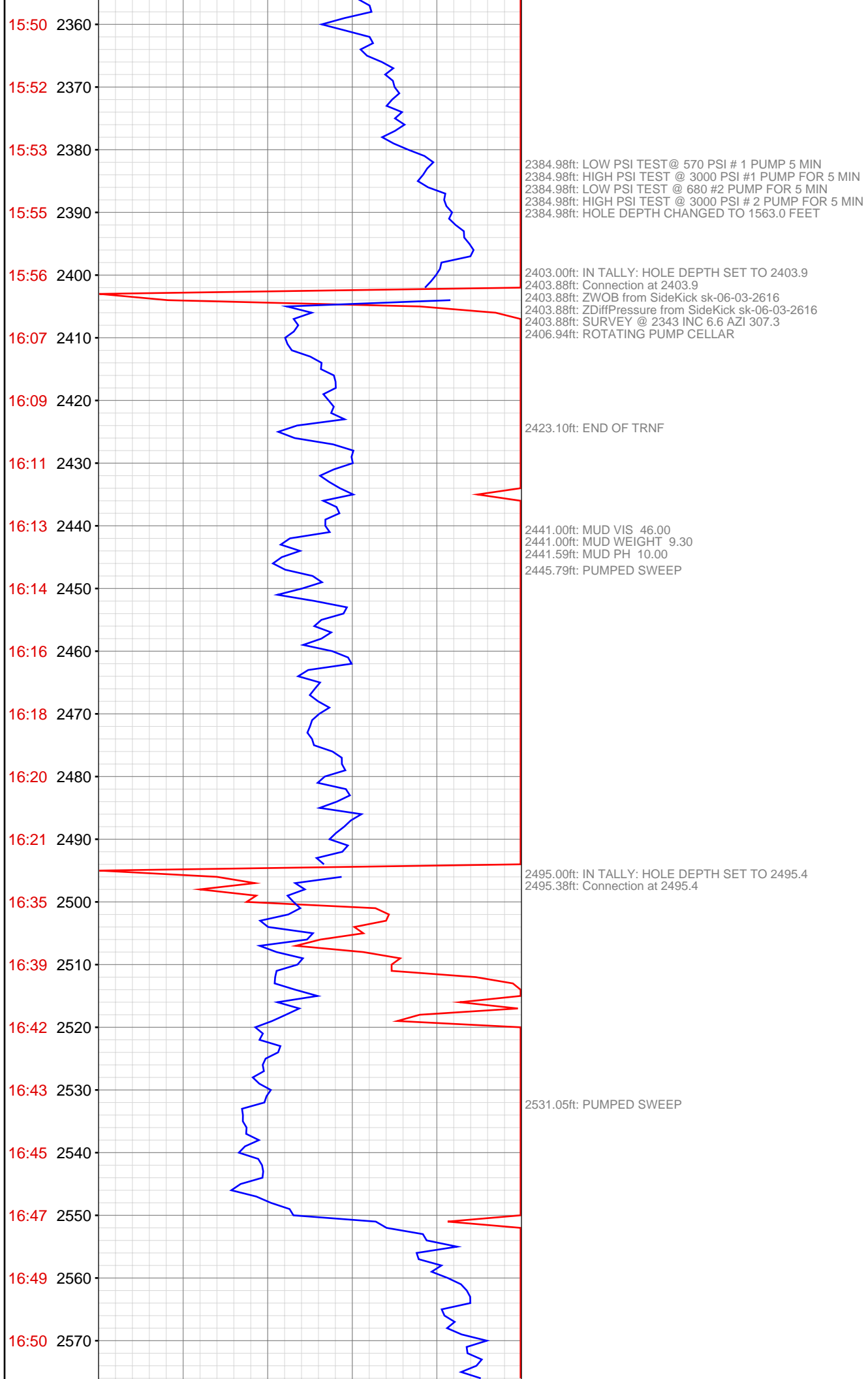
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05-045-20586
SPUD DATE: Jul 27, 2012 09:00
RELEASE DATE: Aug 02, 2012 18:00

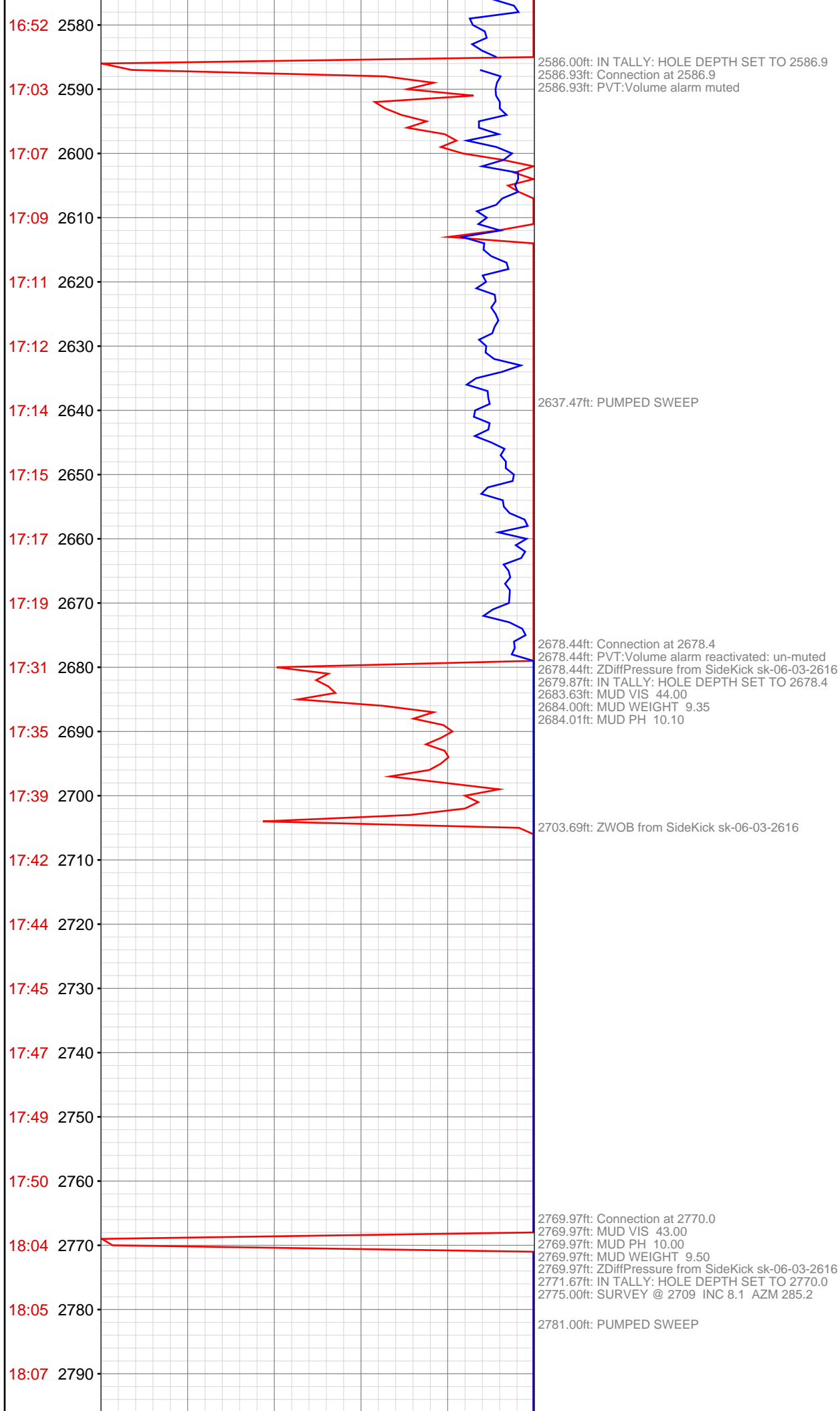


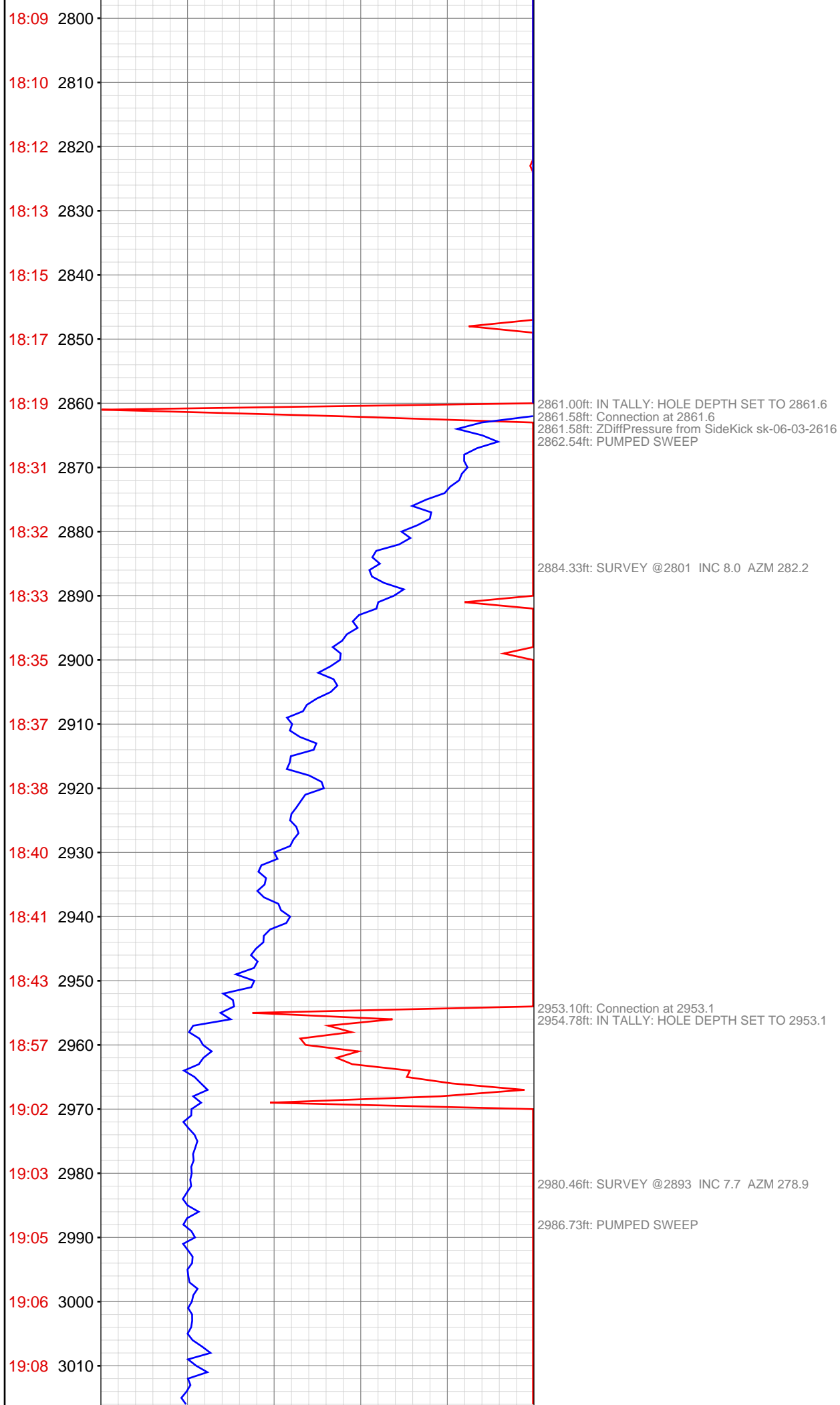


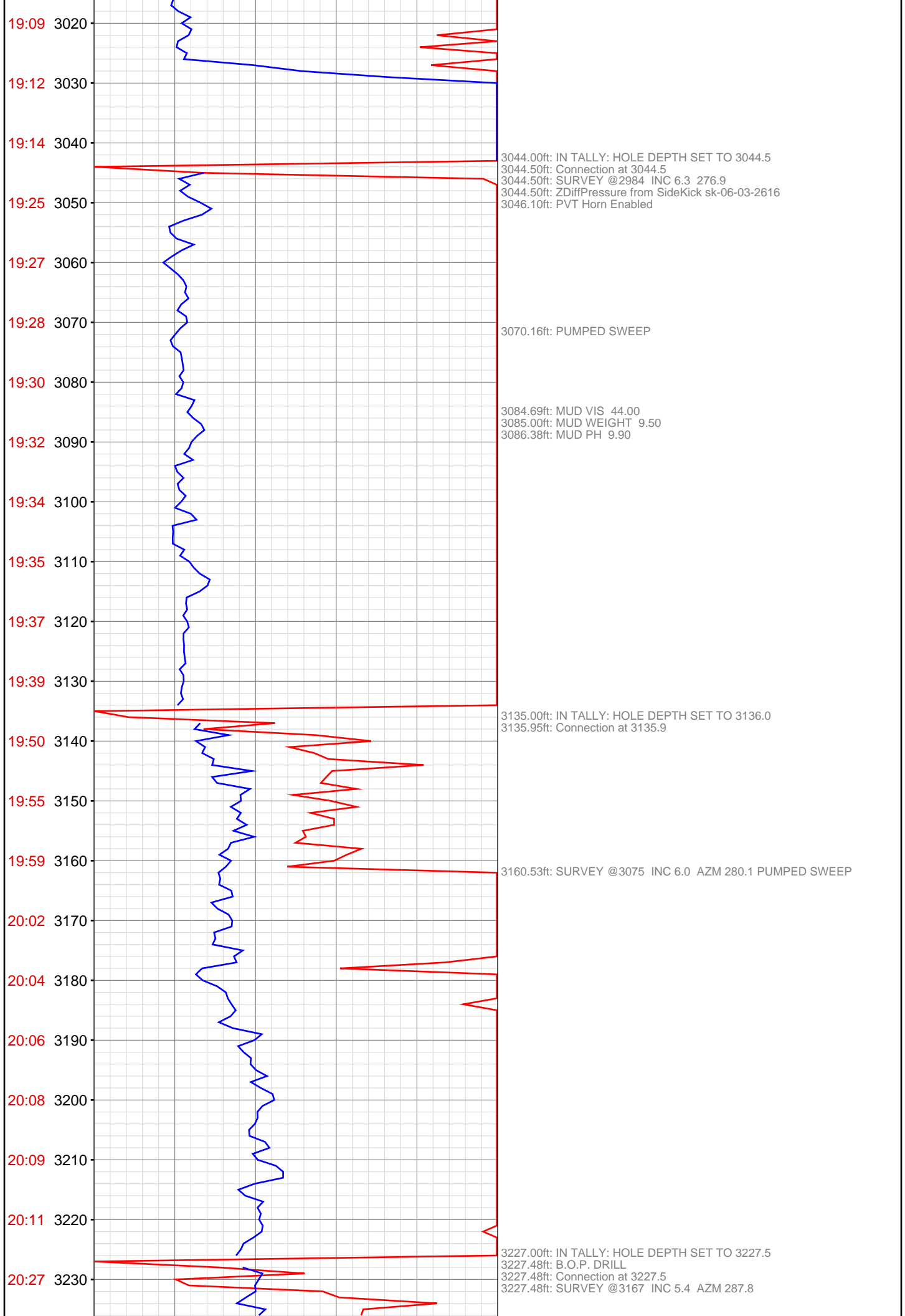


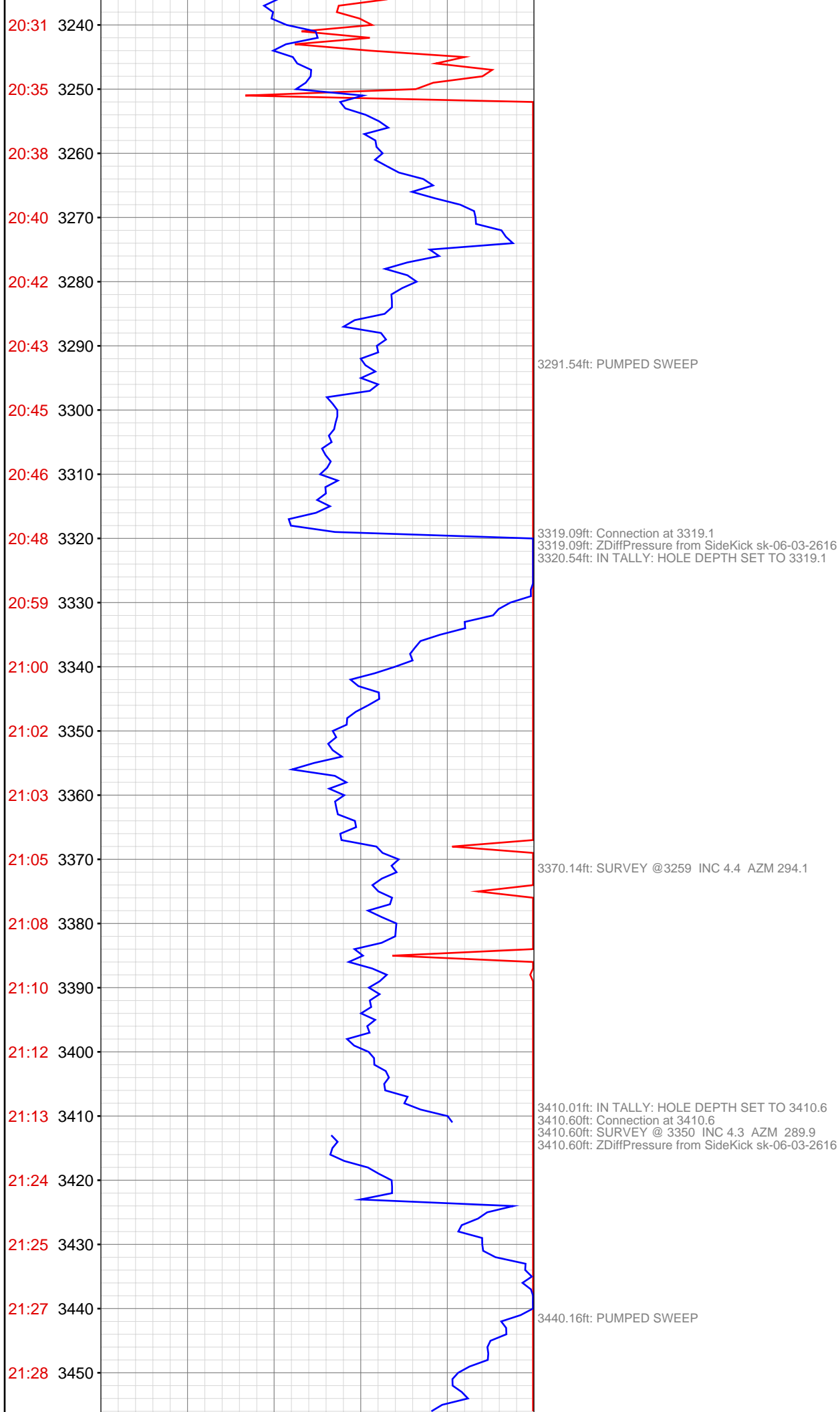


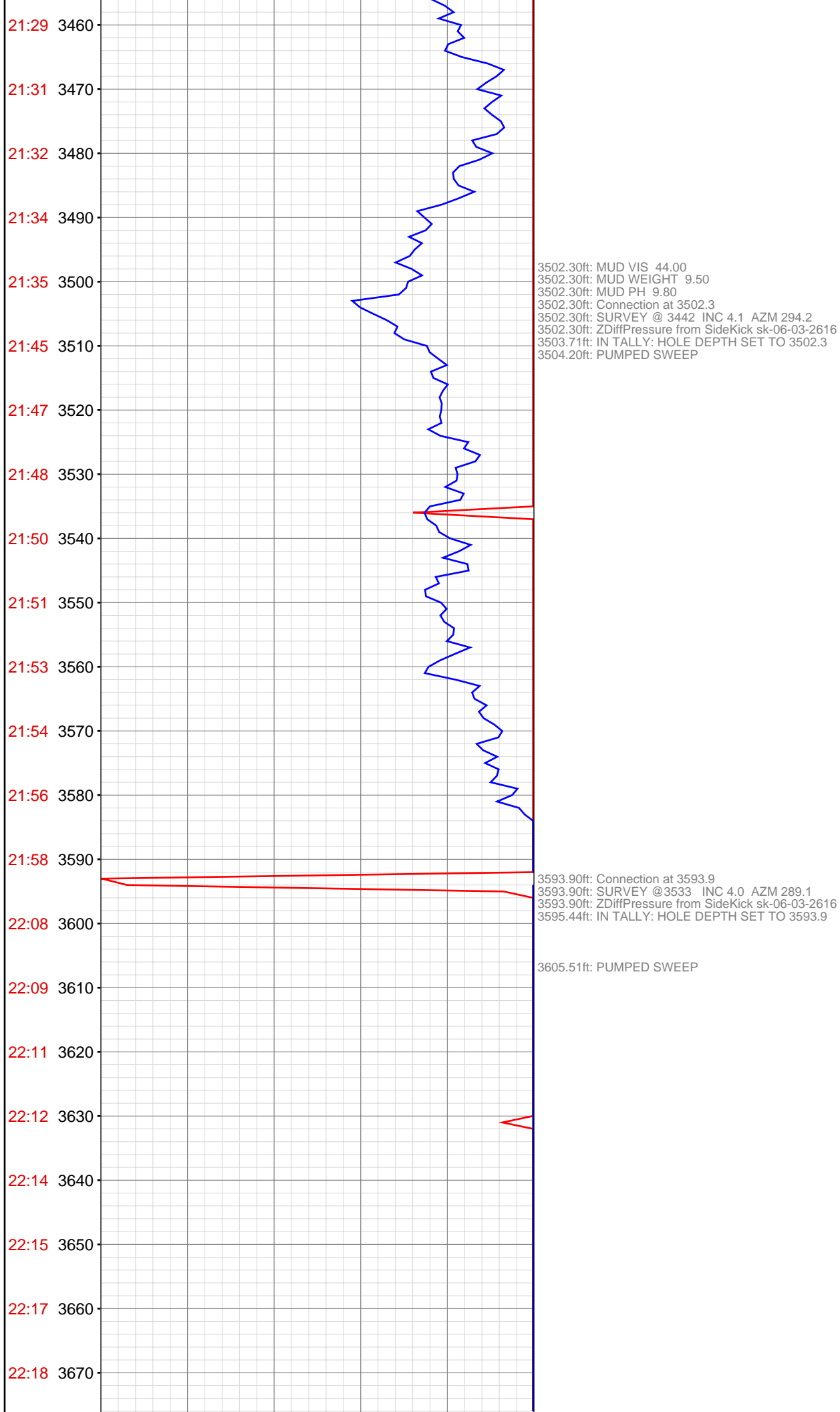


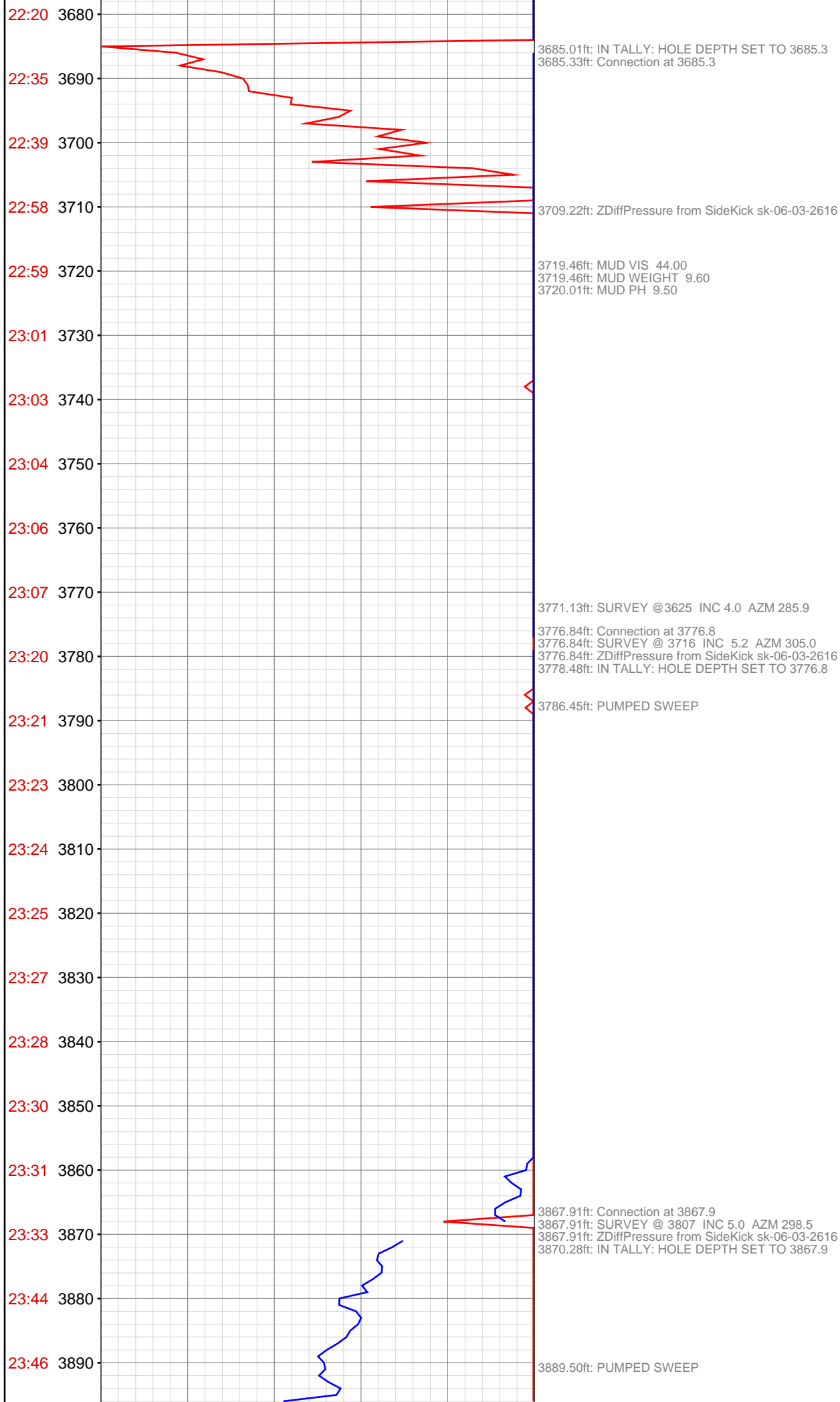


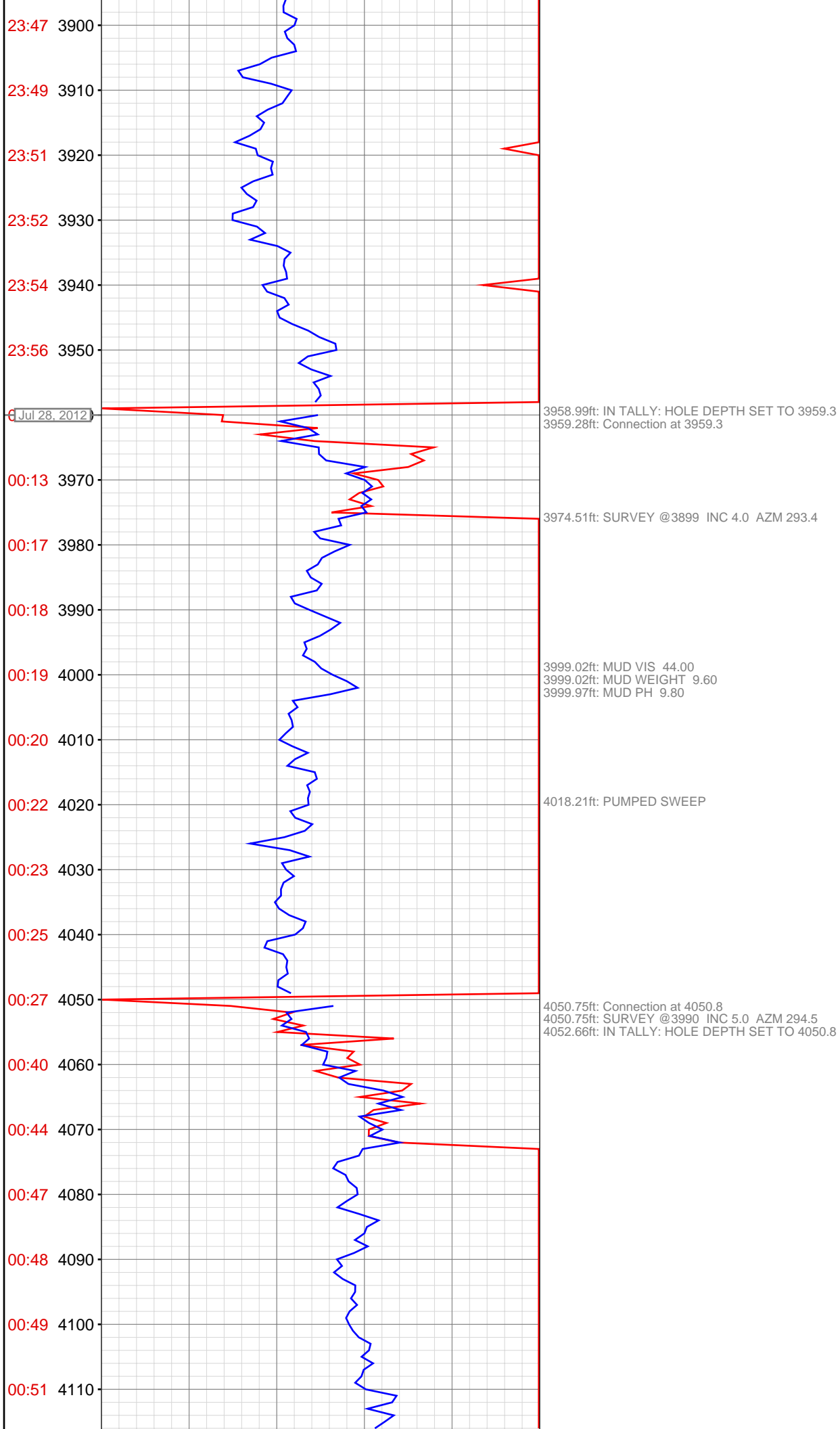


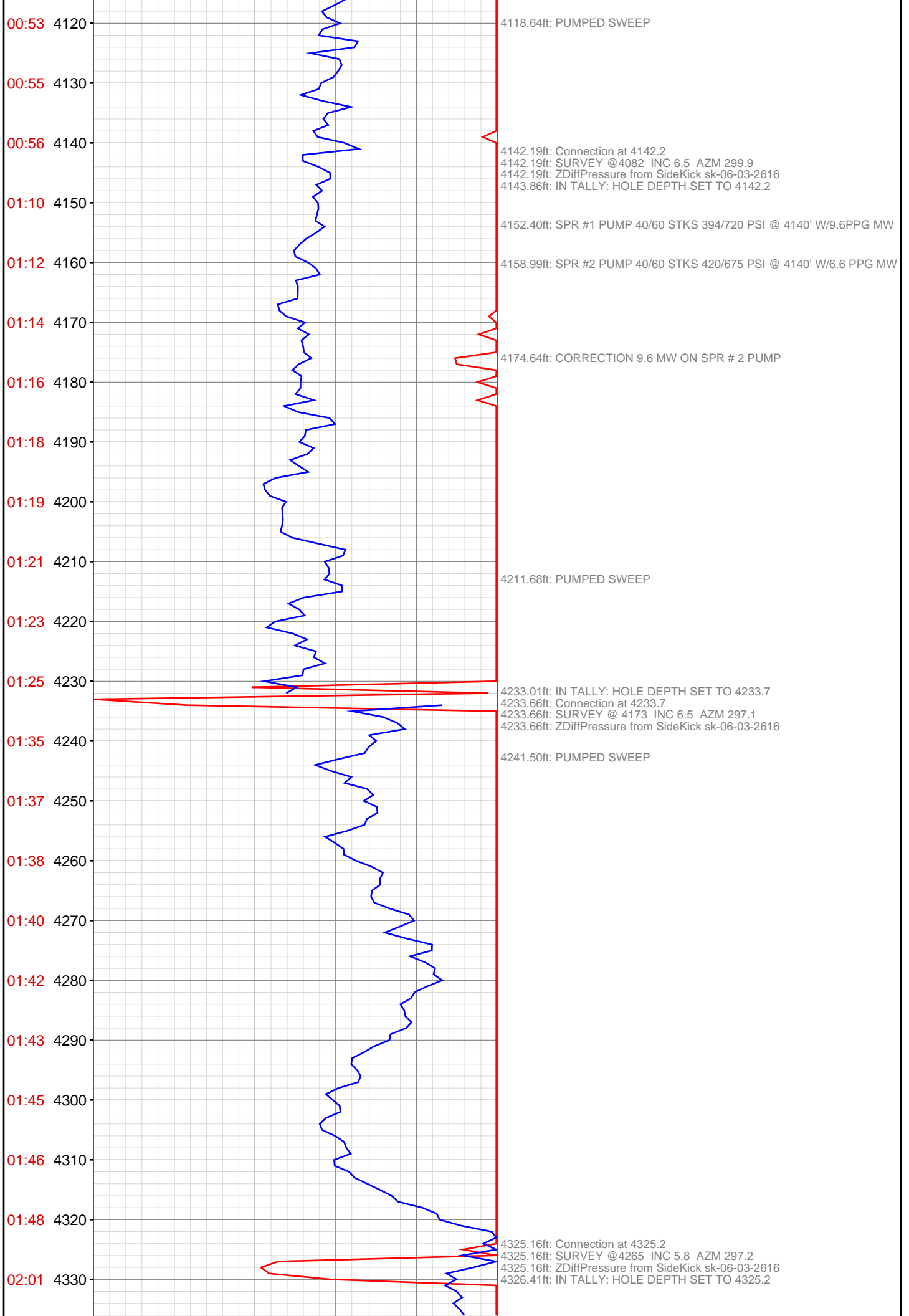


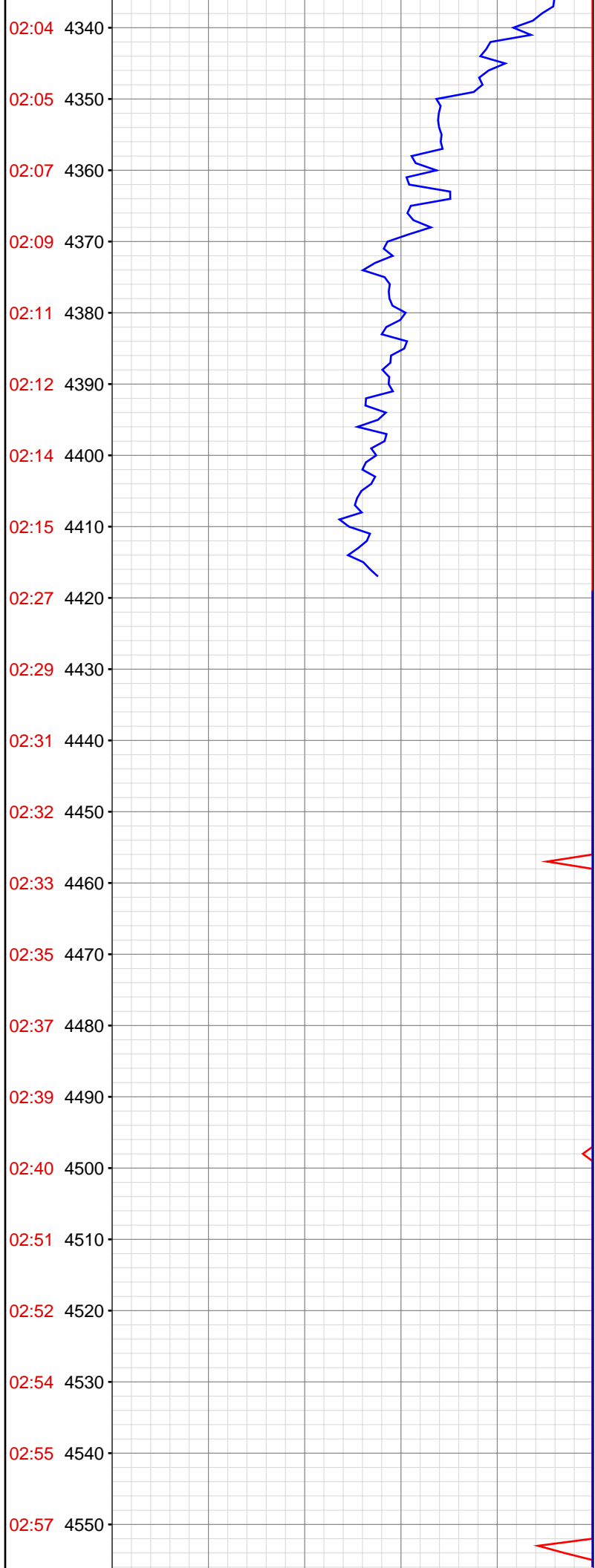








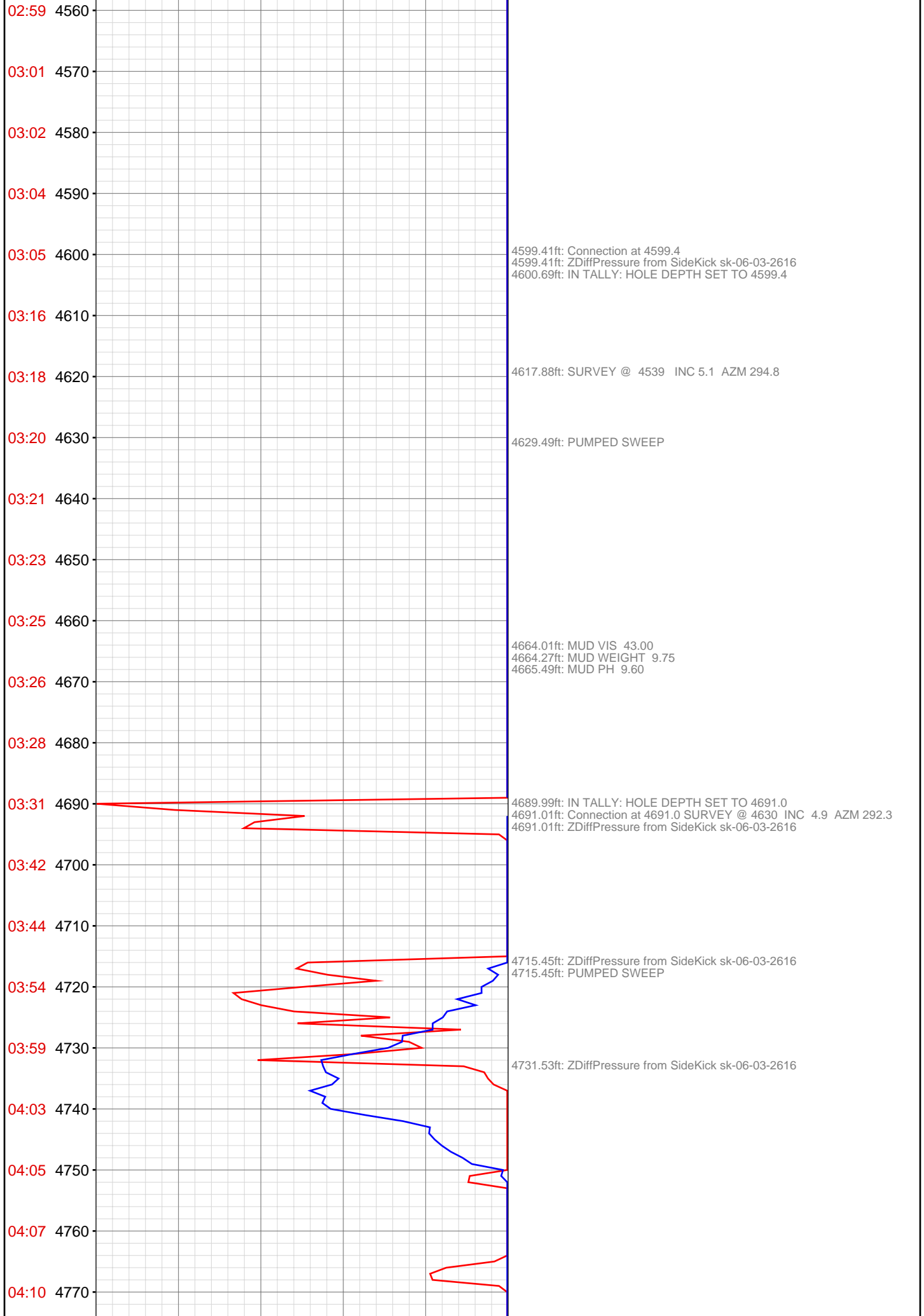


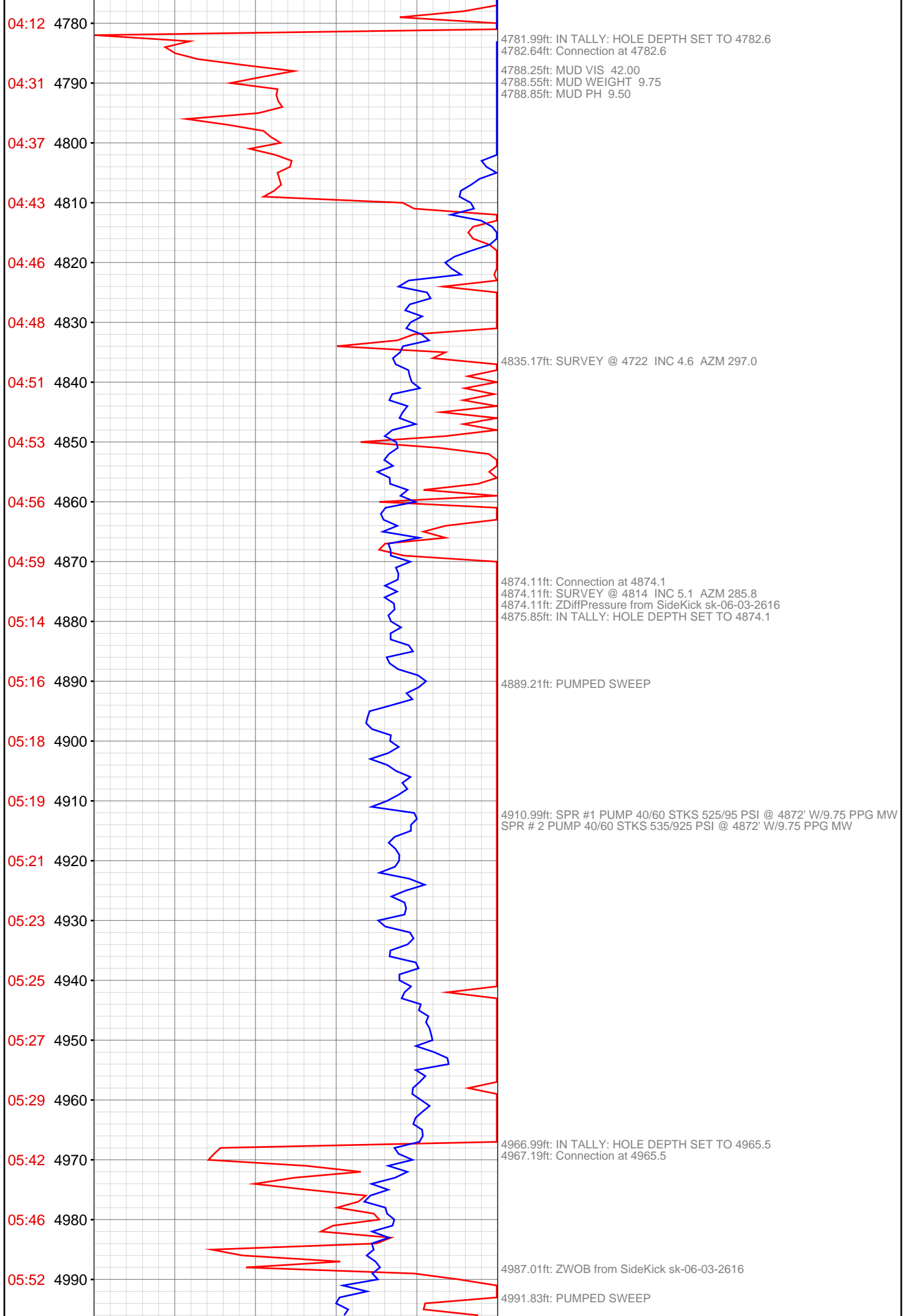


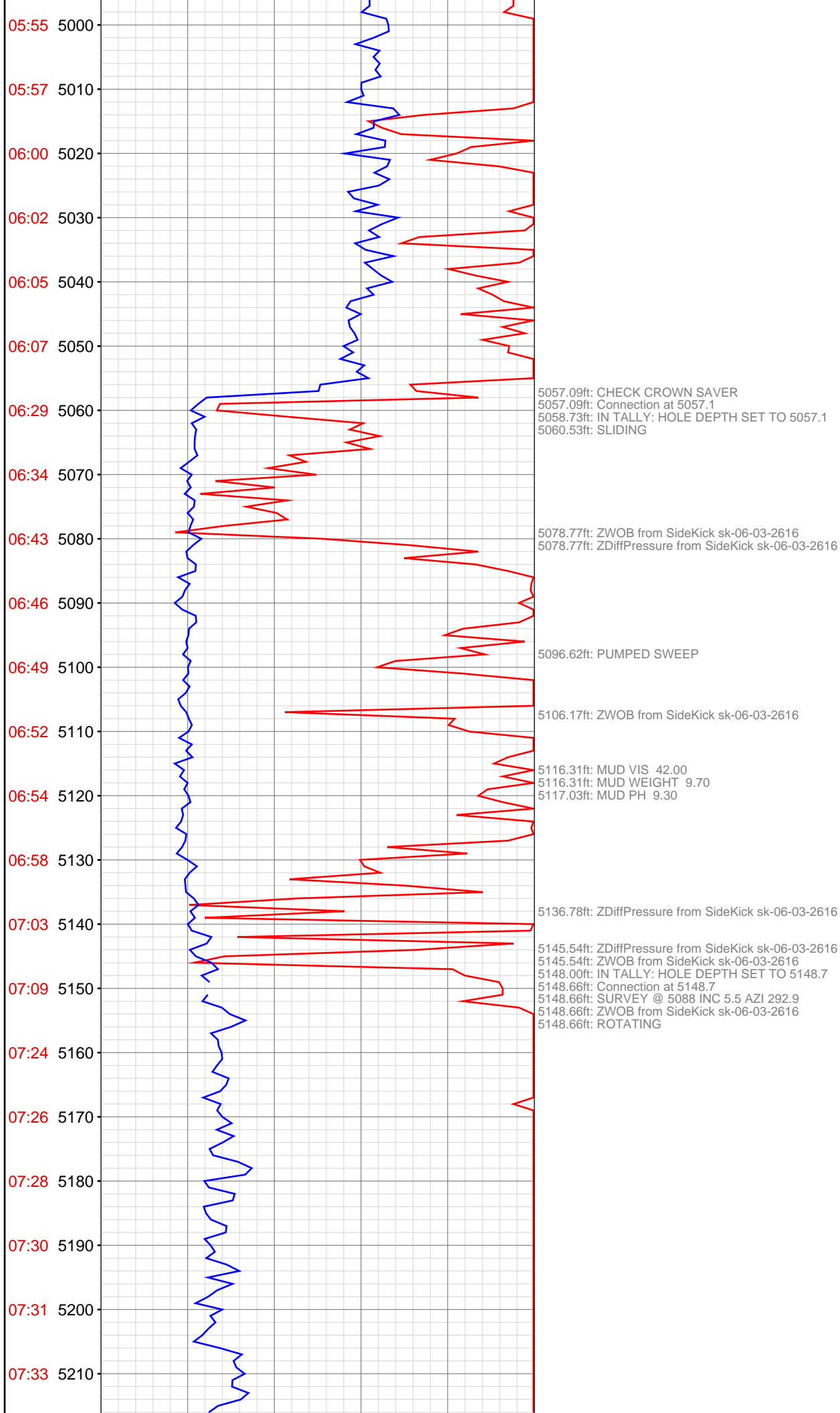
4340.88ft: ZDiffPressure from SideKick sk-06-03-2616

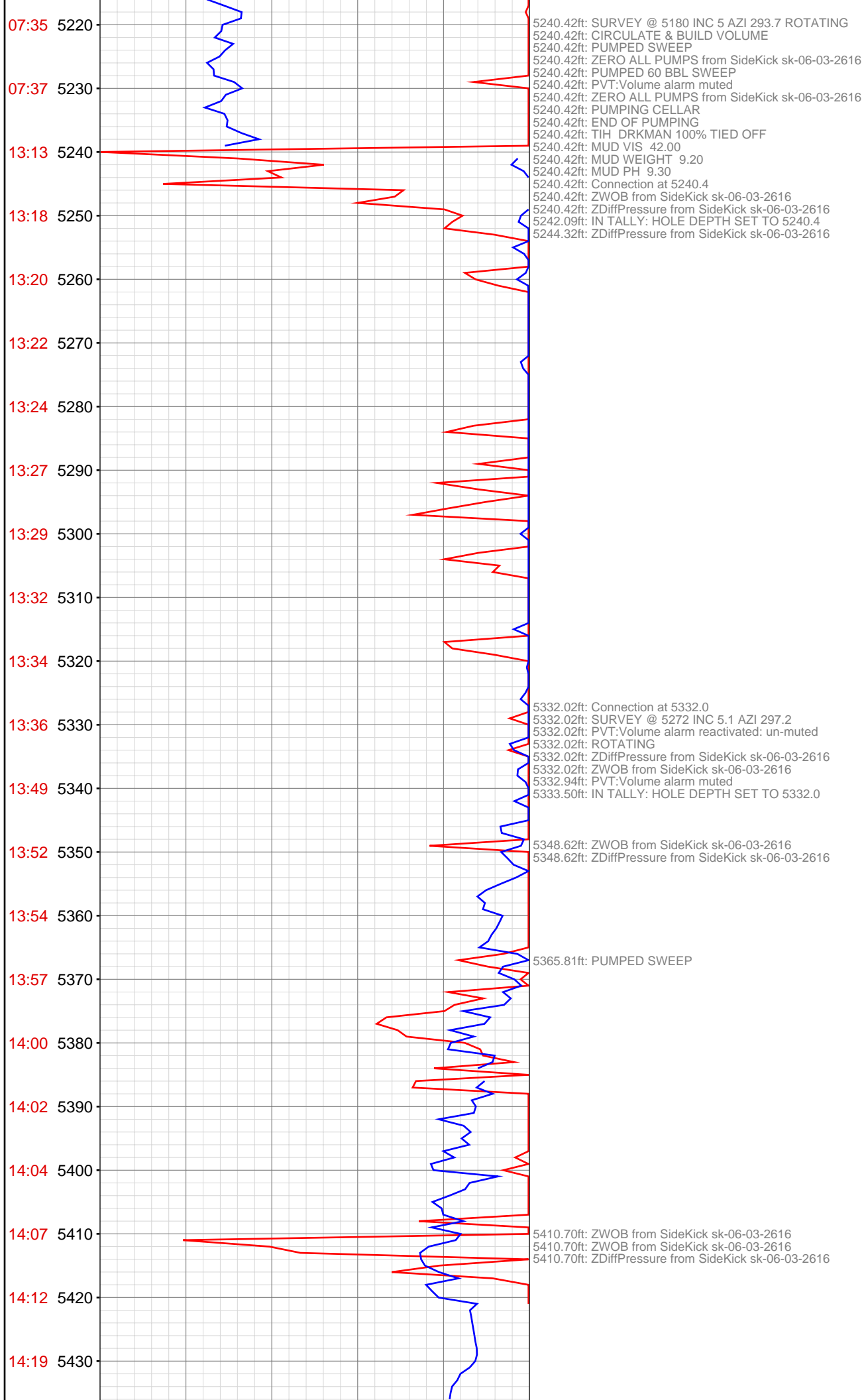
4416.01ft: IN TALLY: HOLE DEPTH SET TO 4416.5
4416.44ft: Connection at 4416.4
4416.44ft: SURVEY @ 4356 INC 5.5 AZM 294.0
4416.44ft: MUD VIS 44.00
4416.44ft: MUD WEIGHT 9.70
4416.44ft: MUD PH 9.70
4416.44ft: ZDiffPressure from SideKick sk-06-03-2616
4420.37ft: PUMPED SWEEP

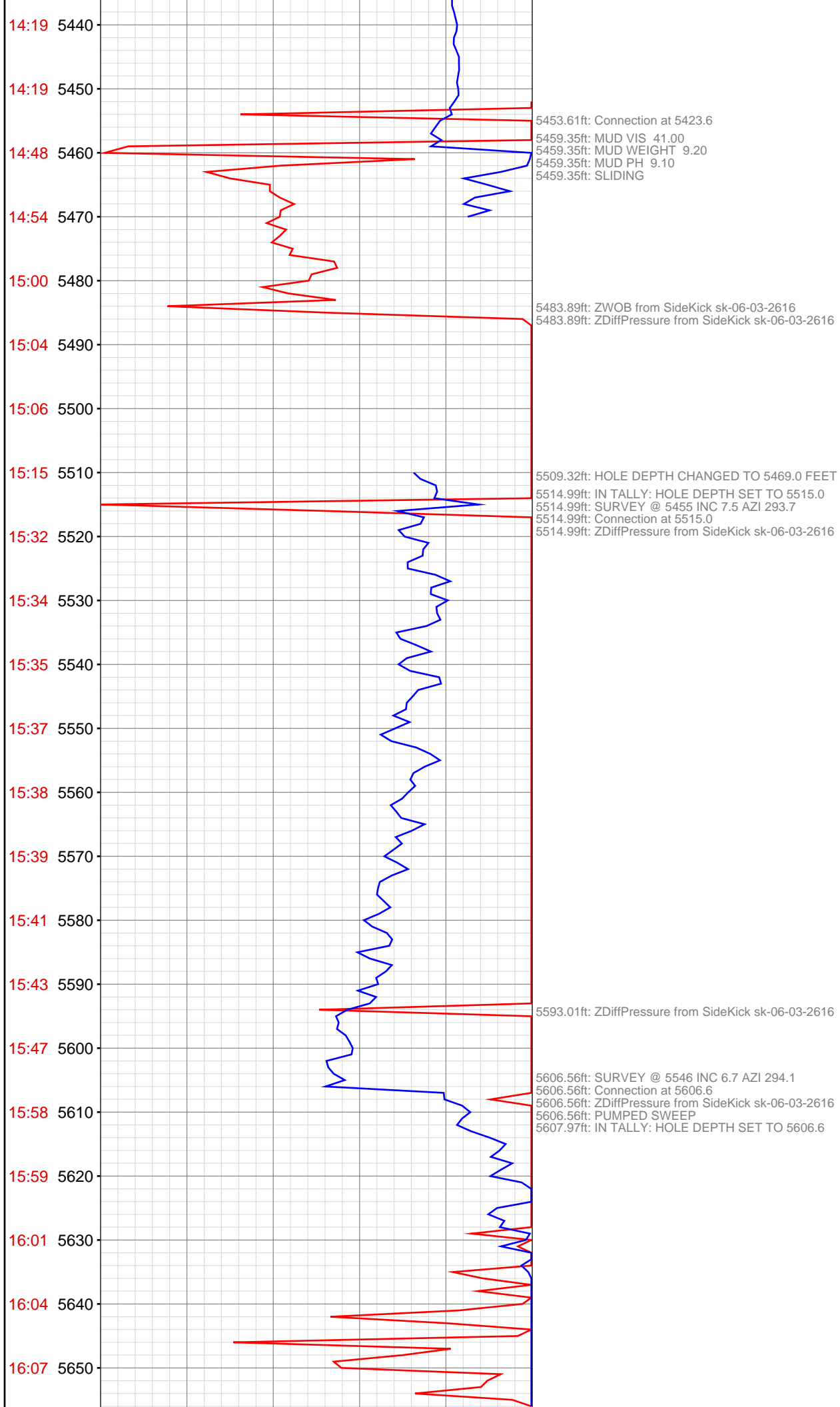
4508.04ft: Connection at 4508.0
4508.04ft: SURVEY @4448 INC 5.2 AZM 297.7
4508.04ft: ZDiffPressure from SideKick sk-06-03-2616
4509.48ft: IN TALLY: HOLE DEPTH SET TO 4508.0

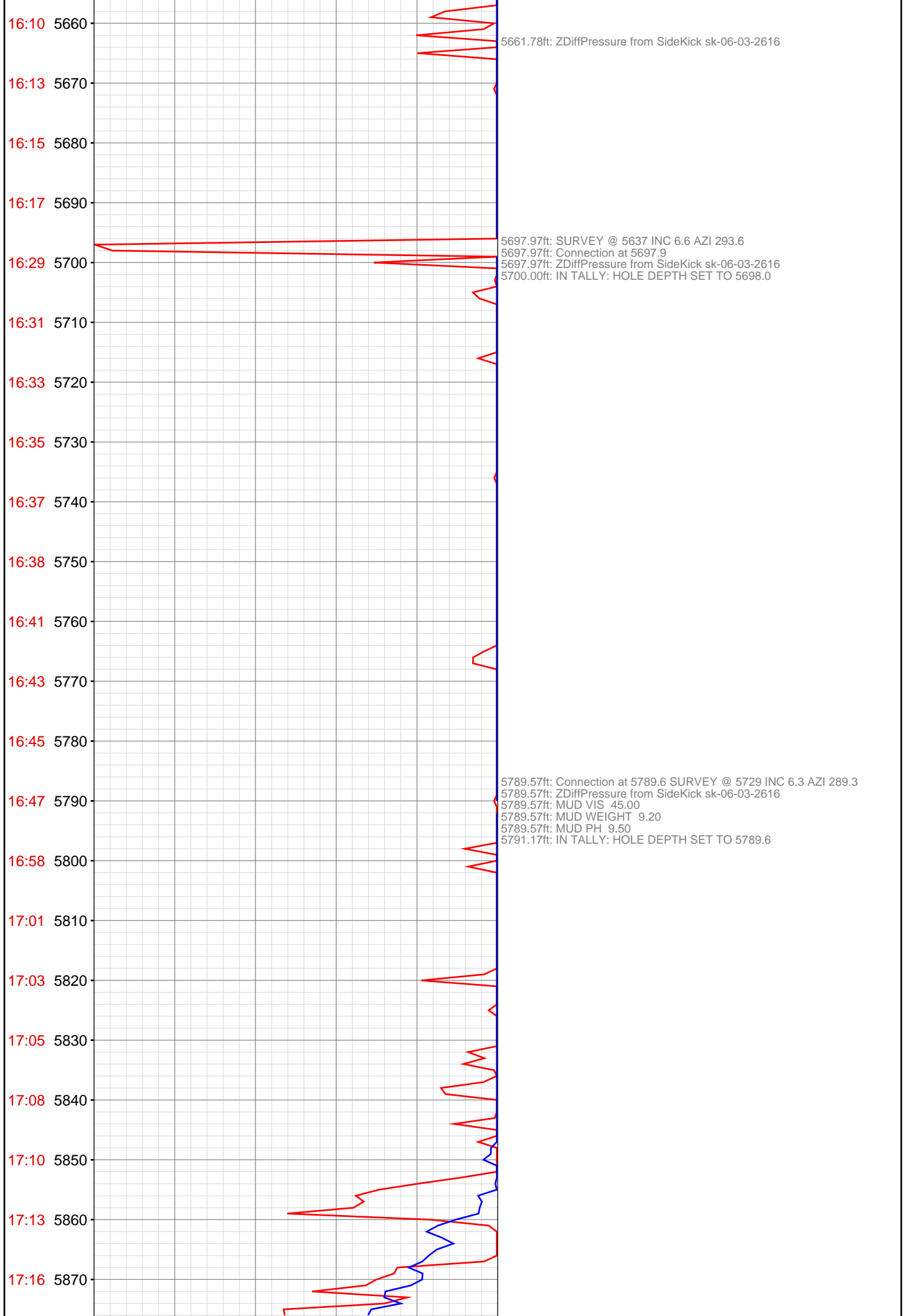


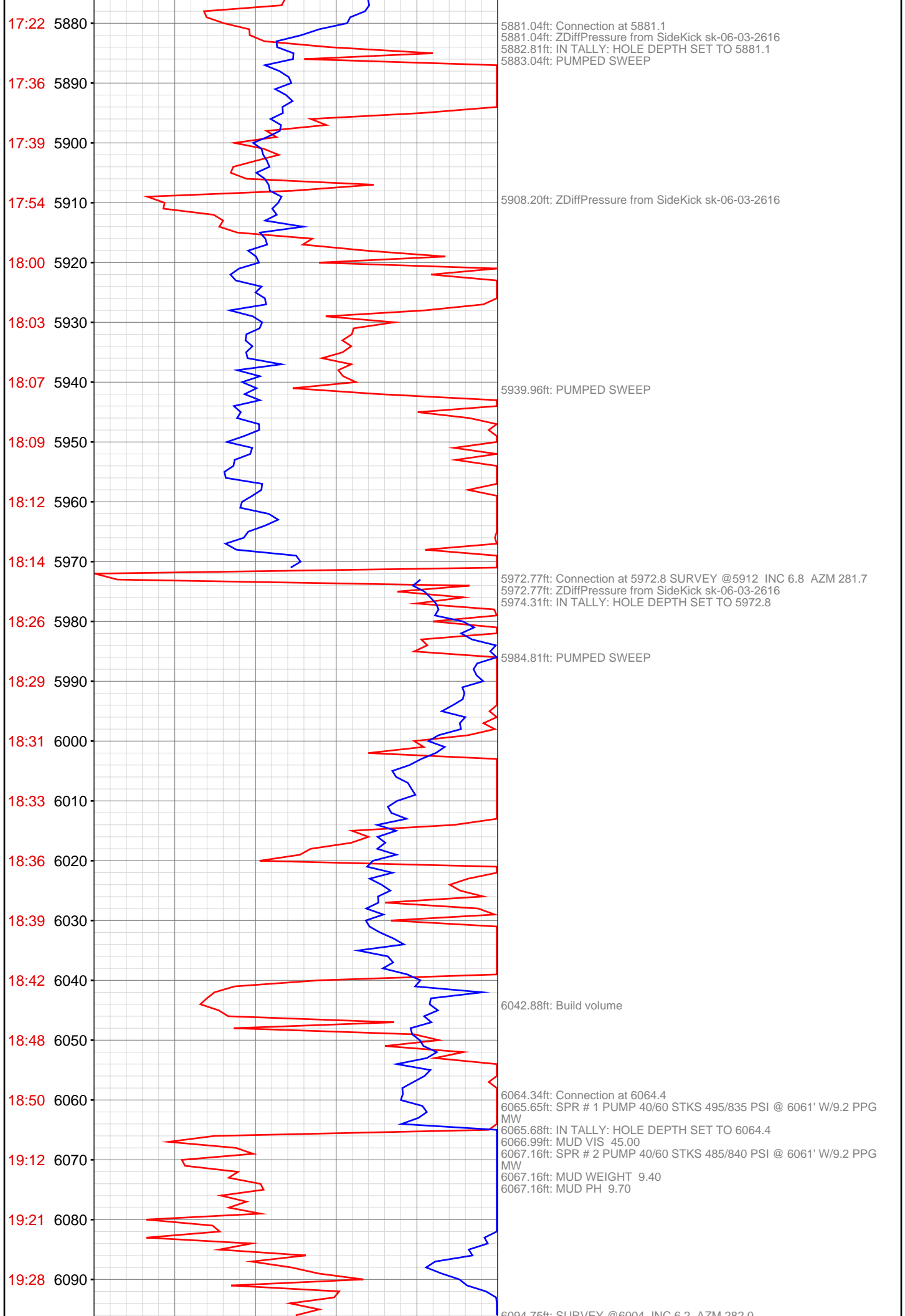


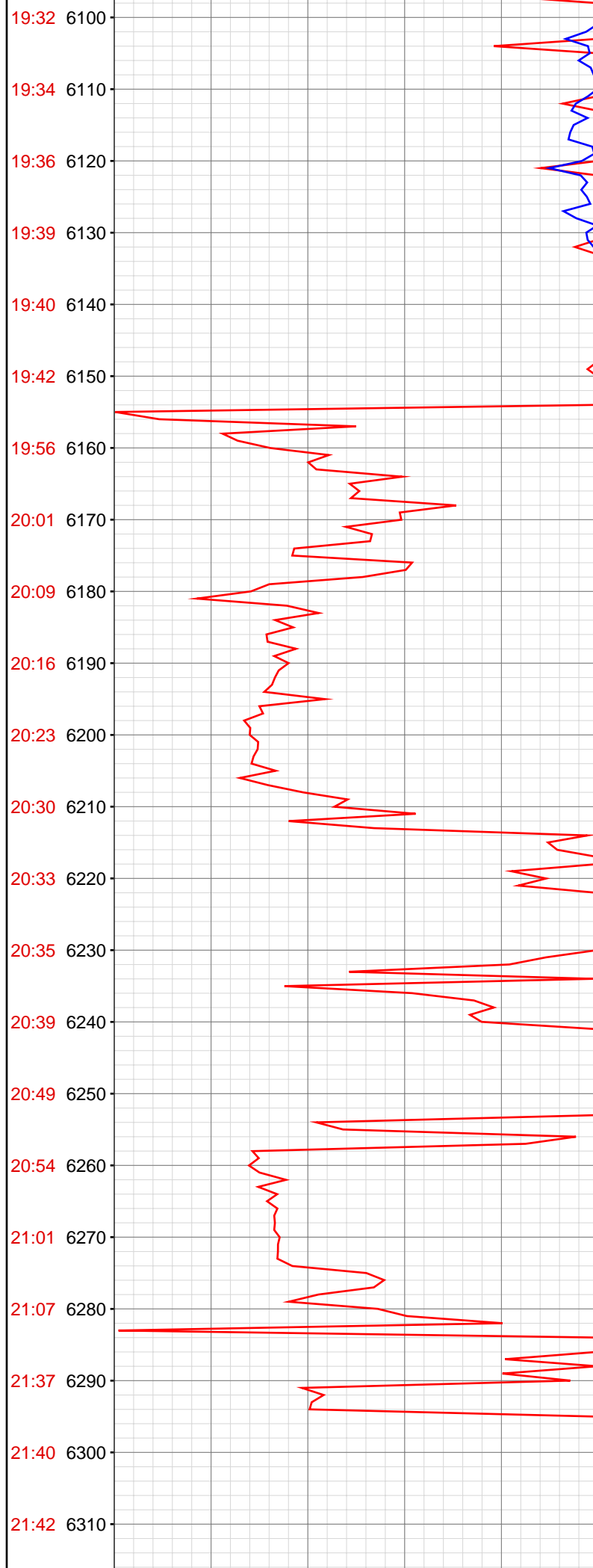












6155.87ft: Connection at 6155.9
6157.09ft: IN TALLY: HOLE DEPTH SET TO 6155.9

6173.92ft: MUD VIS 45.00
6173.92ft: MUD WEIGHT 9.40
6174.08ft: MUD PH 9.50

6180.48ft: SURVEY @6095 INC 5.4 AZM 286.8

6192.03ft: PUMPED SWEEP

6247.01ft: IN TALLY: HOLE DEPTH SET TO 6247.2
6247.15ft: Connection at 6247.2
6247.15ft: SURVEY @6187 INC 4.2 AZM 290.5
6247.15ft: ZDiffPressure from SideKick sk-06-03-2616

6259.81ft: PUMPED SWEEP

6282.58ft: CIRCULATE & CLEAN SHAKER SCREENS
6282.58ft: ZDiffPressure from SideKick sk-06-03-2616

6293.18ft: MUD VIS 45.00
6293.18ft: MUD WEIGHT 9.40
6293.41ft: MUD PH 9.70

21:43 6320

21:46 6330

22:02 6340

22:10 6350

22:17 6360

22:26 6370

22:30 6380

22:33 6390

22:36 6400

22:41 6410

22:44 6420

22:48 6430

23:06 6440

23:18 6450

23:31 6460

23:37 6470

23:42 6480

23:47 6490

23:51 6500

23:57 6510

Jul 29, 2012

00:03 6520

00:42 6530

6337.99ft: IN TALLY: HOLE DEPTH SET TO 6338.7
6338.68ft: Connection at 6338.7

6369.69ft: SURVEY @ 6278 INC 3.8 AZM 291.6

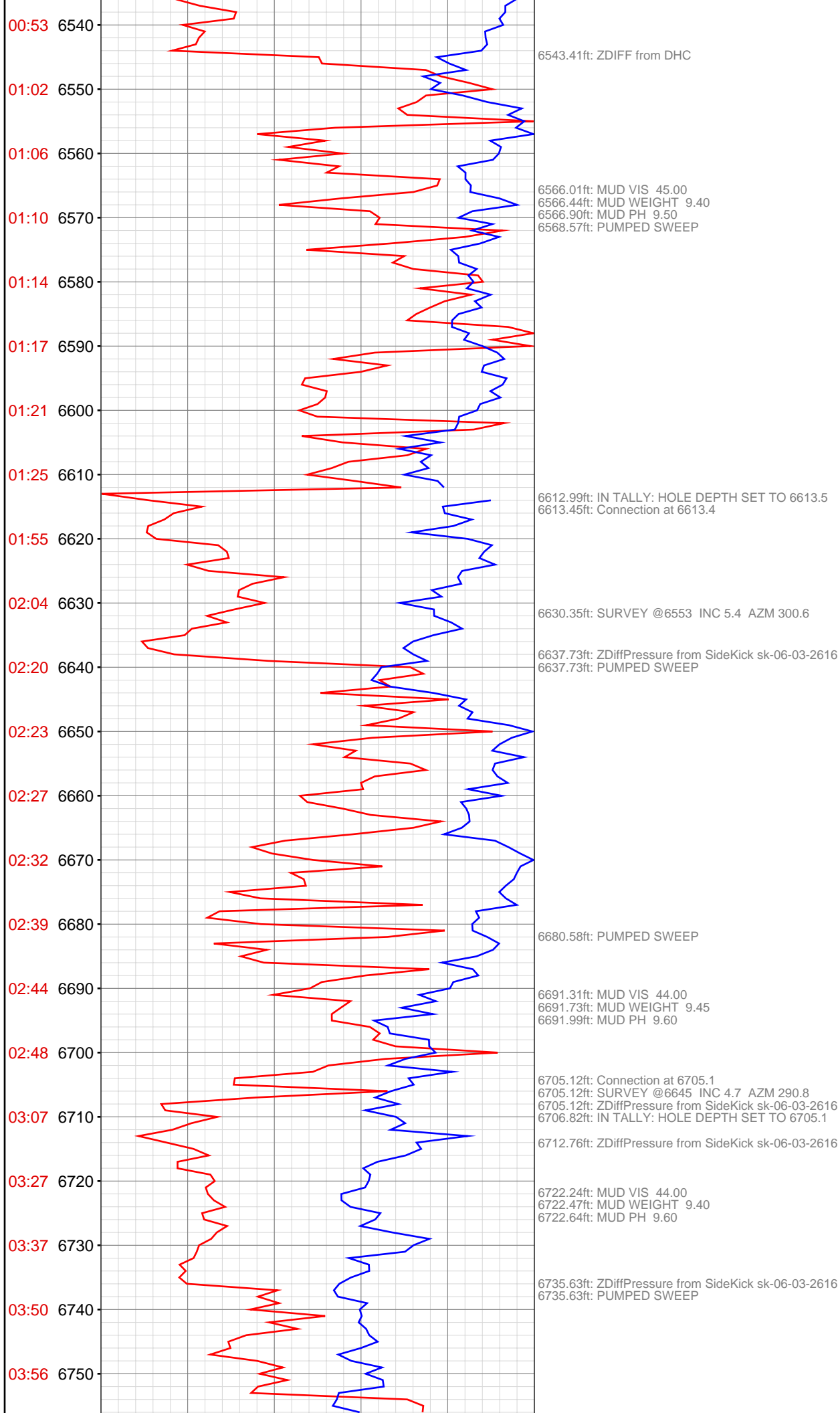
6377.53ft: MUD VIS 45.00
6378.08ft: MUD WEIGHT 9.40
6378.08ft: MUD PH 9.70

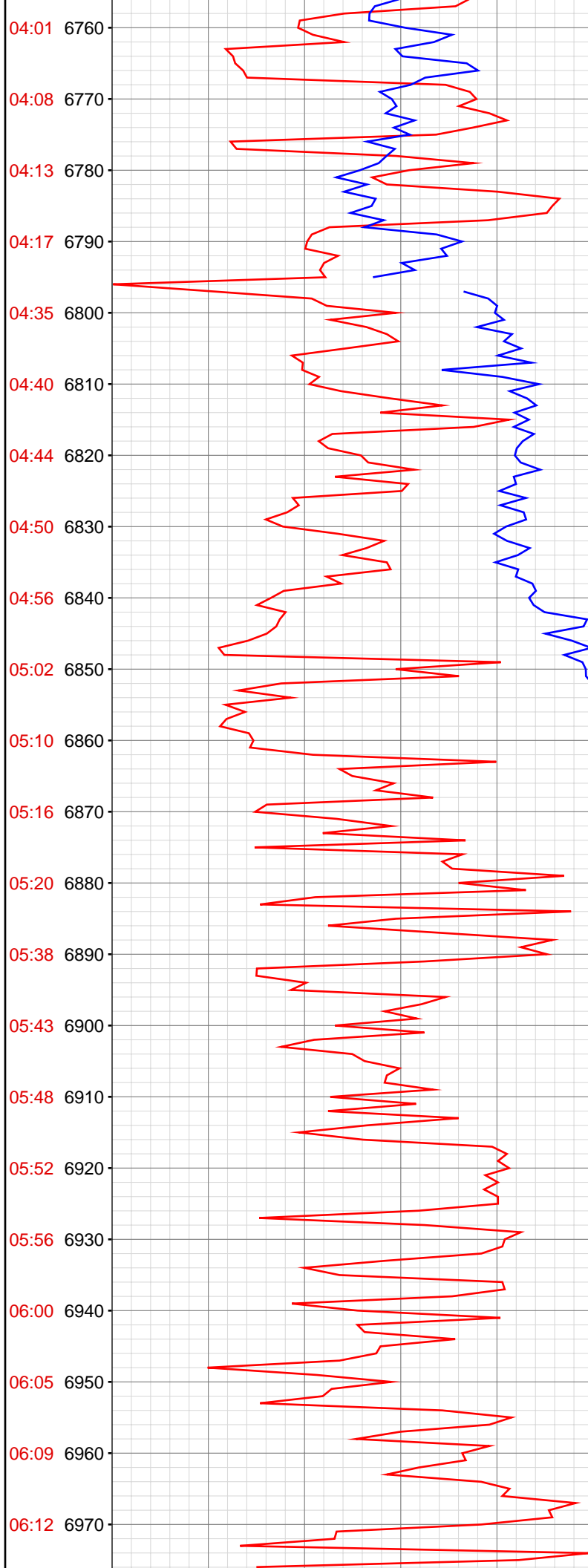
6430.18ft: Connection at 6430.2
6430.18ft: SURVEY @6370 INC 3.8 AZM 294.4
6431.99ft: IN TALLY: HOLE DEPTH SET TO 6430.2

6461.09ft: MUD VIS 44.00
6461.09ft: MUD WEIGHT 9.40
6461.61ft: MUD PH 9.60

6521.00ft: IN TALLY: HOLE DEPTH SET TO 6521.8
6521.82ft: Connection at 6521.8

6526.67ft: SURVEY @6461 INC 4.4 AZM 298.5



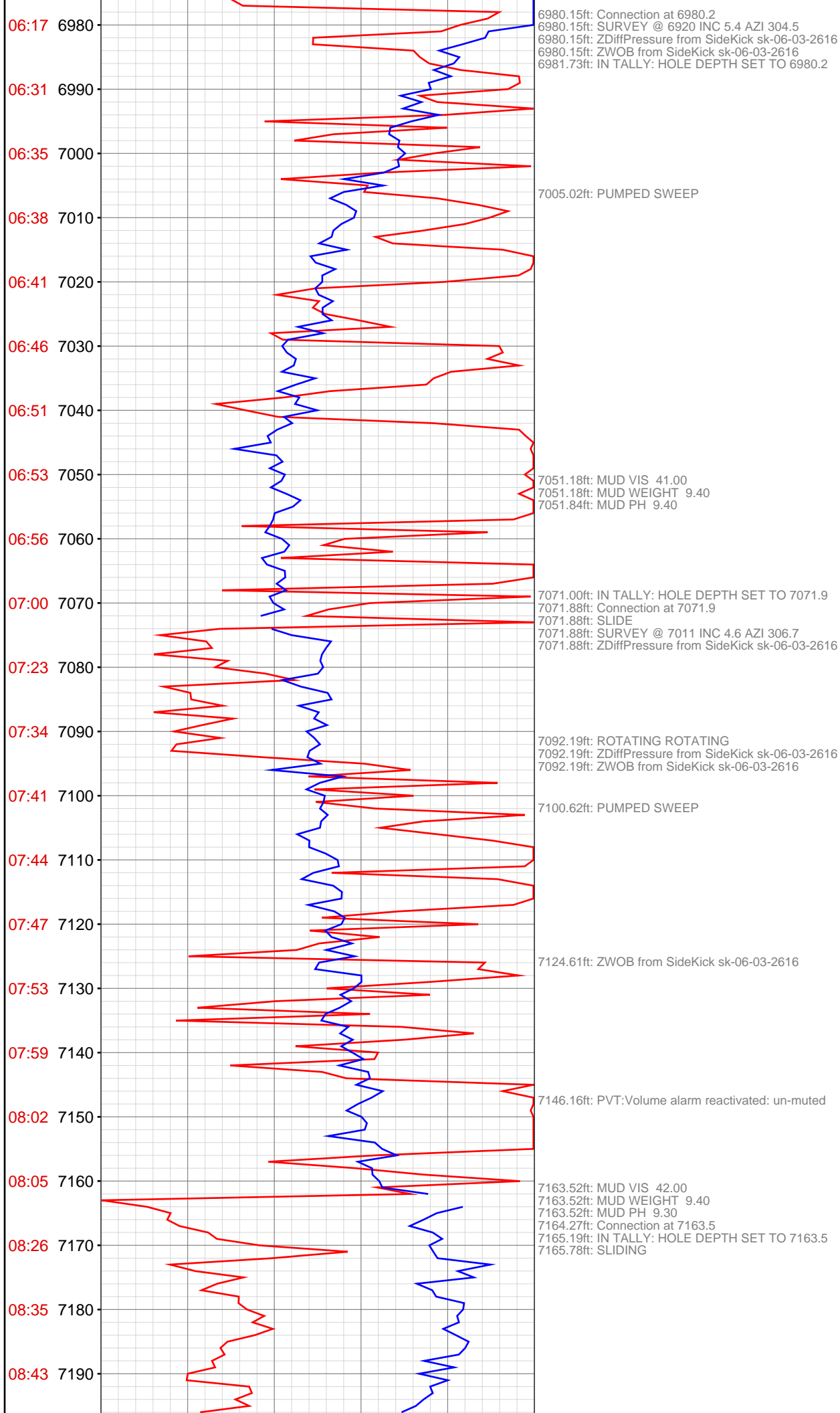


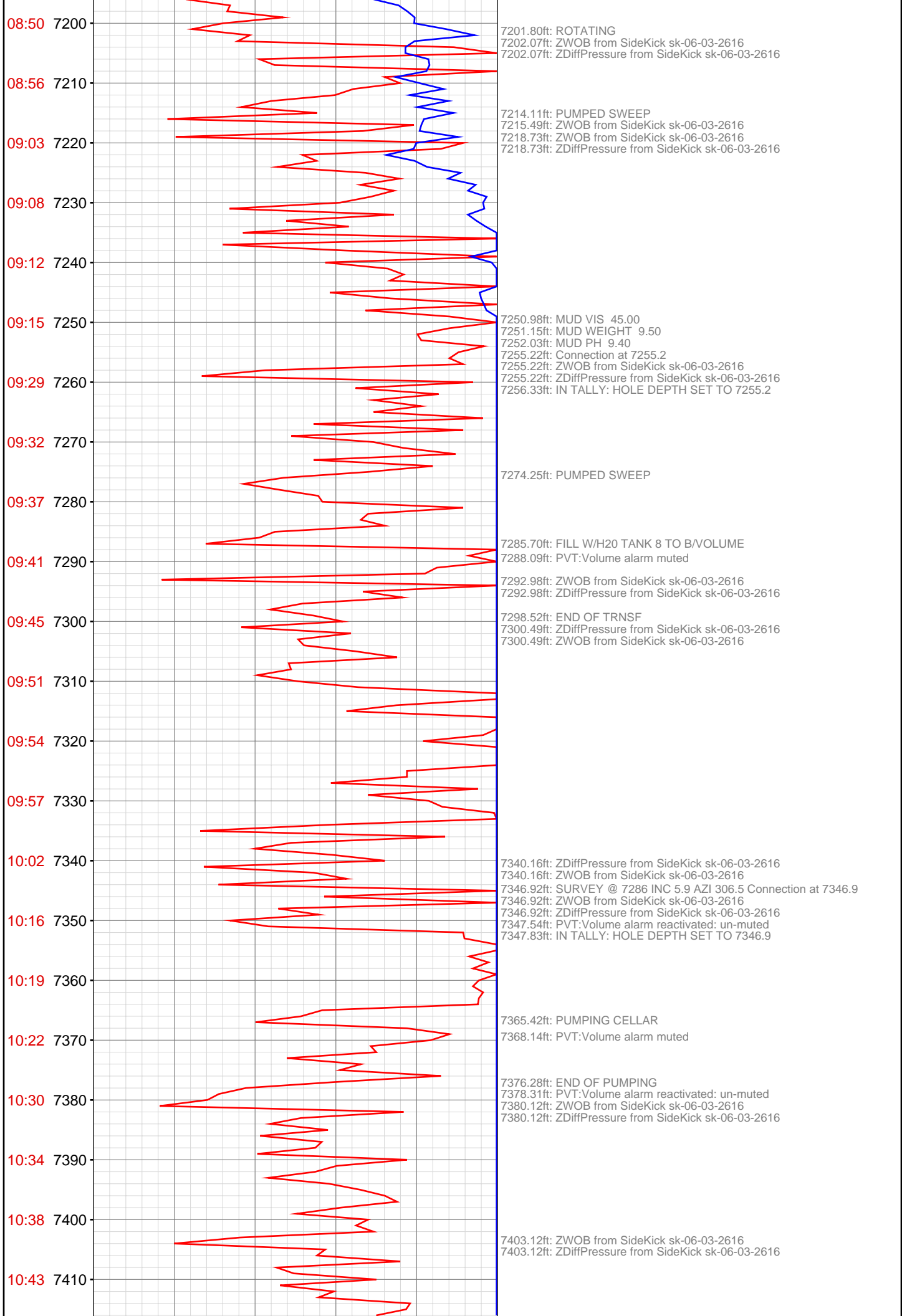
6796.00ft: IN TALLY: HOLE DEPTH SET TO 6796.7
6796.75ft: Connection at 6796.7
6796.75ft: SURVEY @ 6838 INC 6.1 AZM 295.9
6796.75ft: ZDiffPressure from SideKick sk-06-03-2616

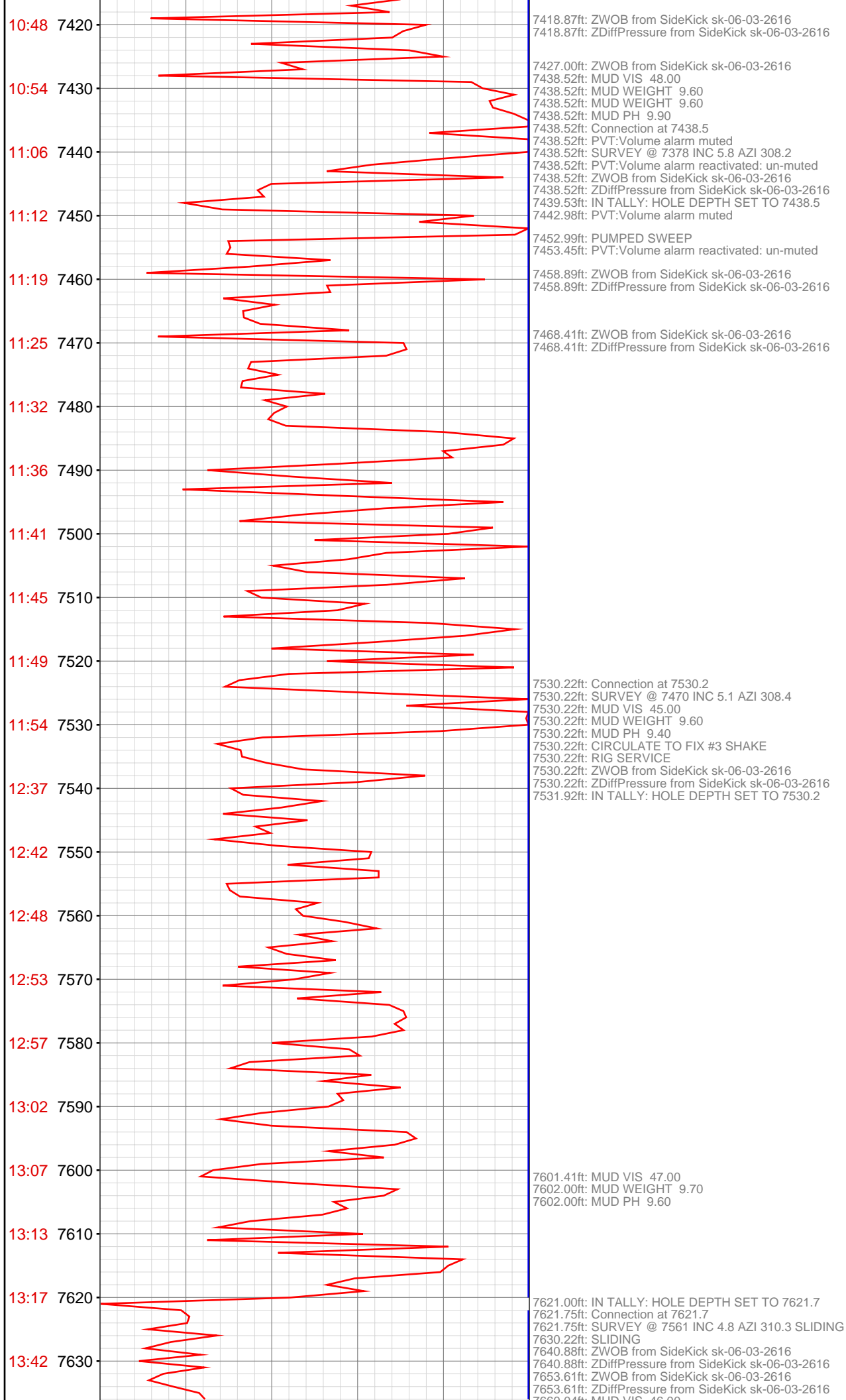
6826.67ft: PUMPED SWEEP

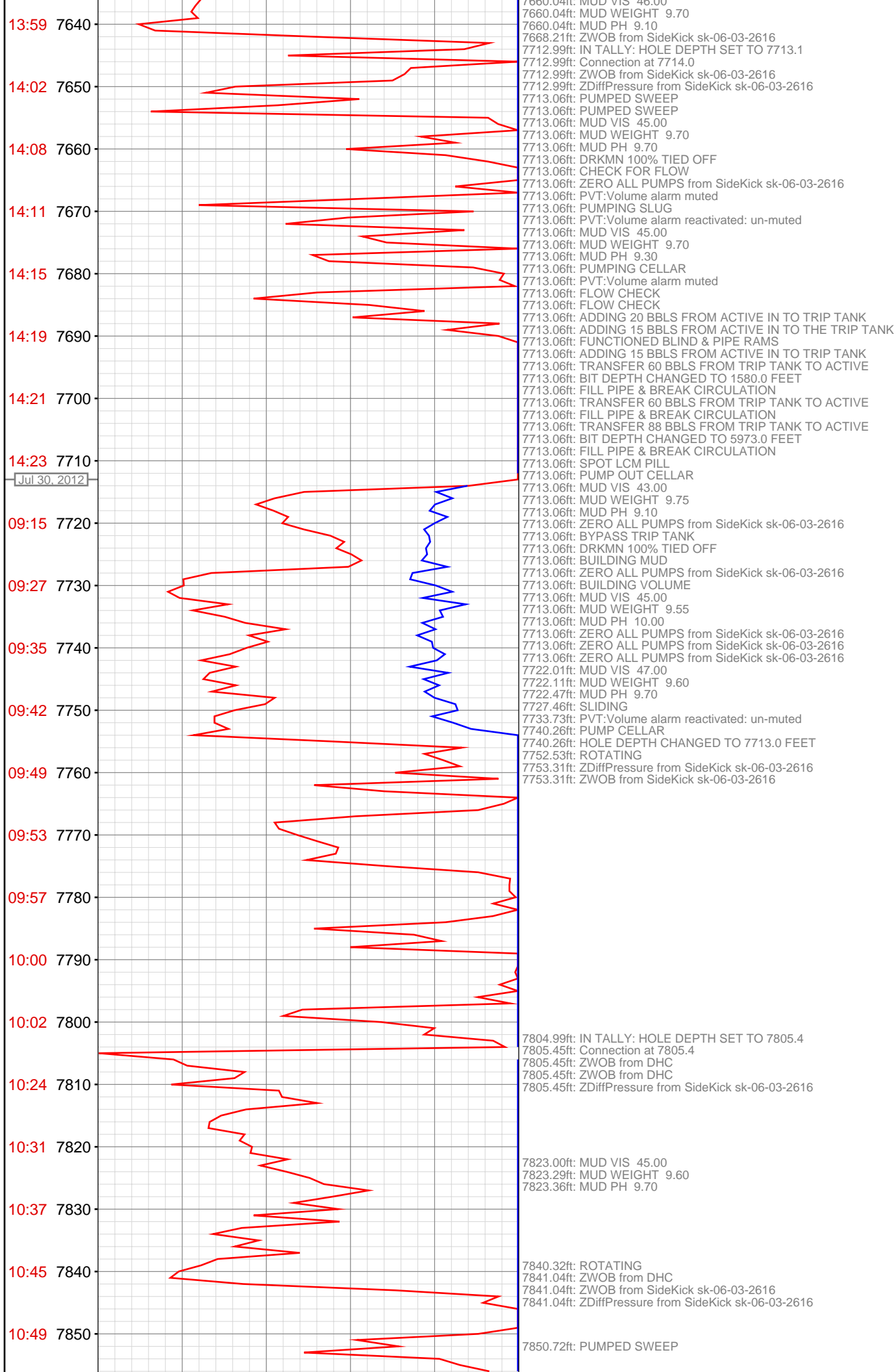
6860.14ft: PUMPED SWEEP

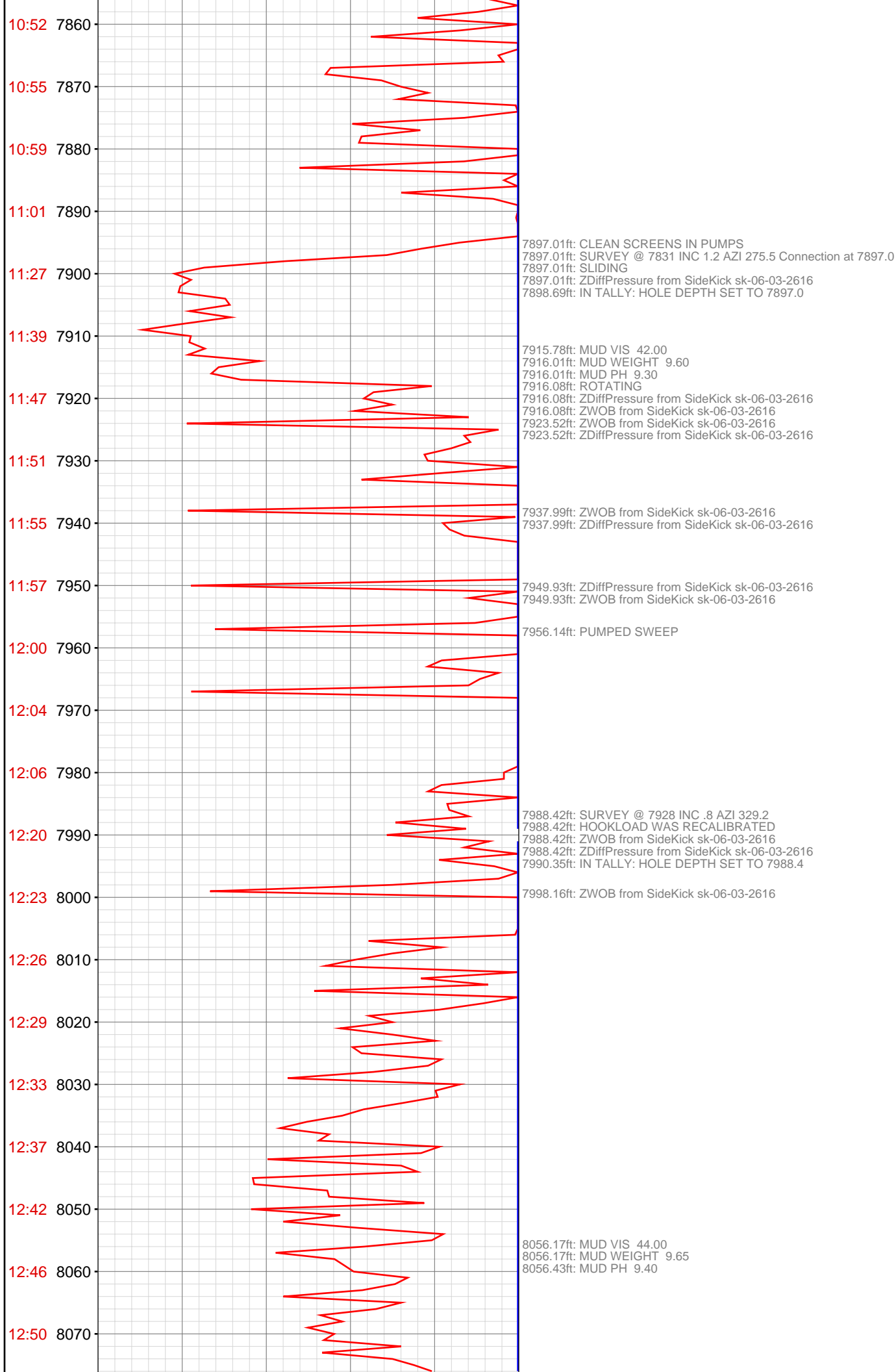
6888.48ft: SPR # 1 PUMP 40/60 STKS 510/940 PSI @ 6886' W/9.6 PPG MW
6888.48ft: SPR # 2 PUMP 40/60 STKS 508/935 PSI @ 6886' W/9.6 PPG MW
6888.48ft: Connection at 6888.5
6888.48ft: ZDiffPressure from SideKick sk-06-03-2616
6889.60ft: IN TALLY: HOLE DEPTH SET TO 6888.5

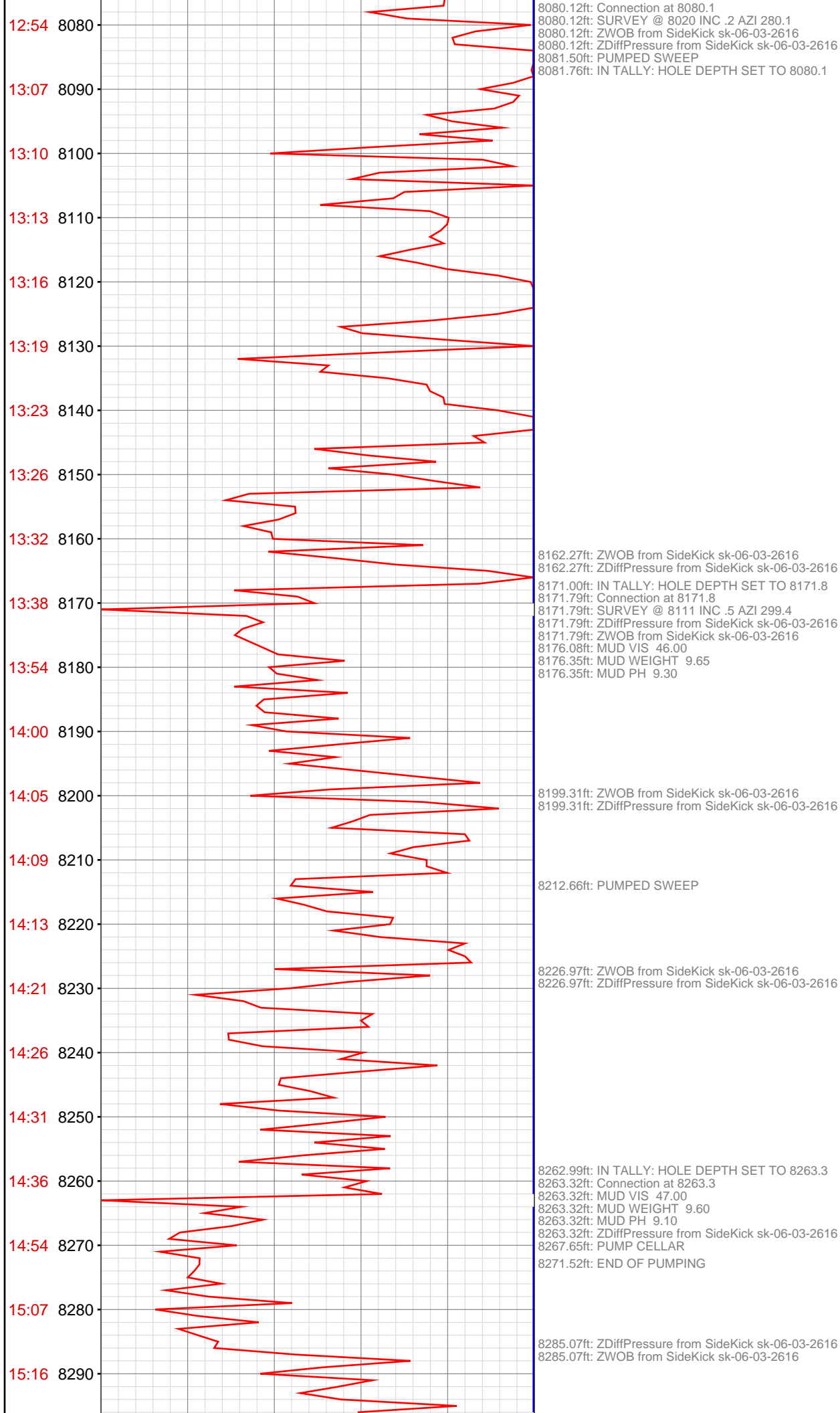


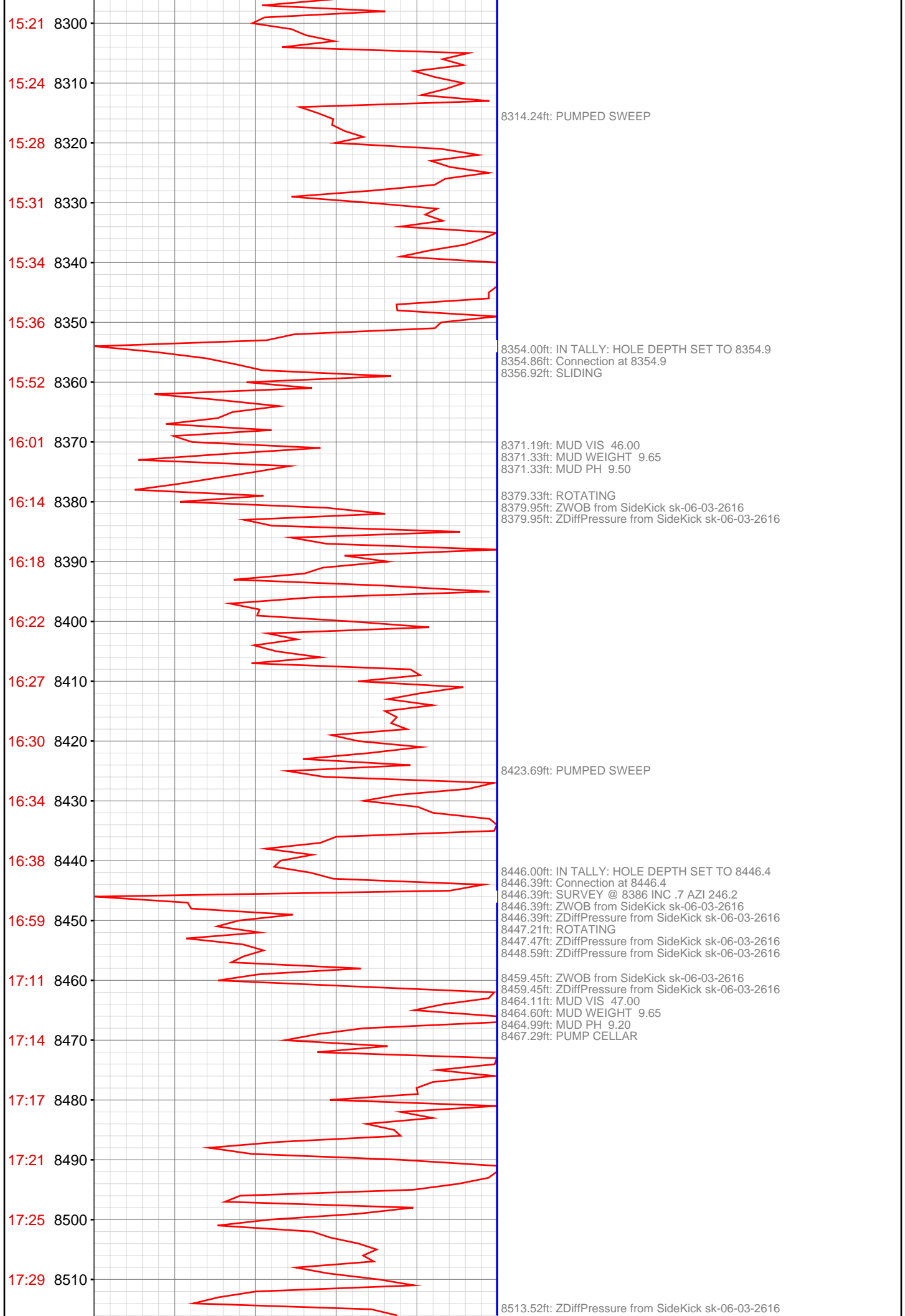


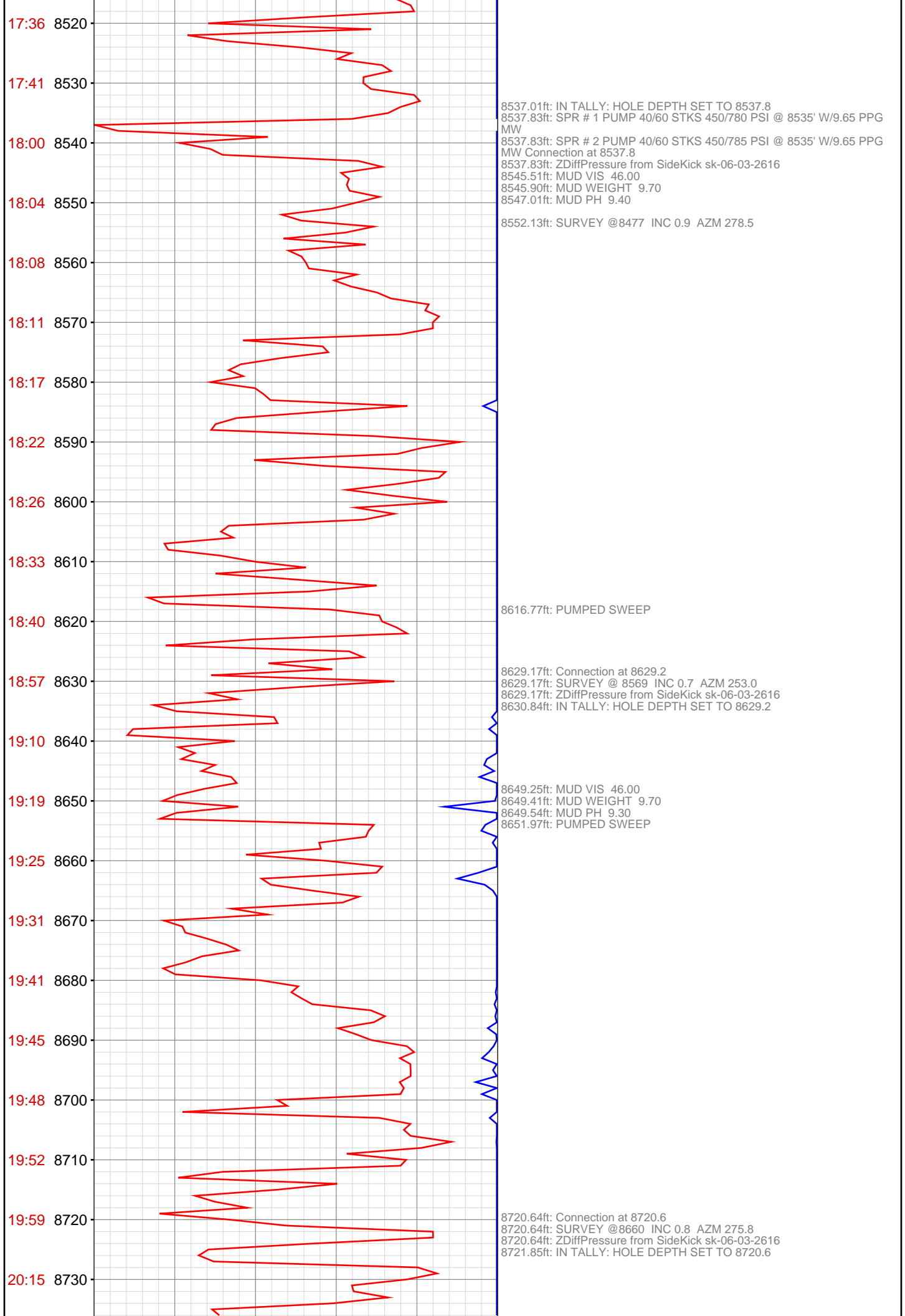


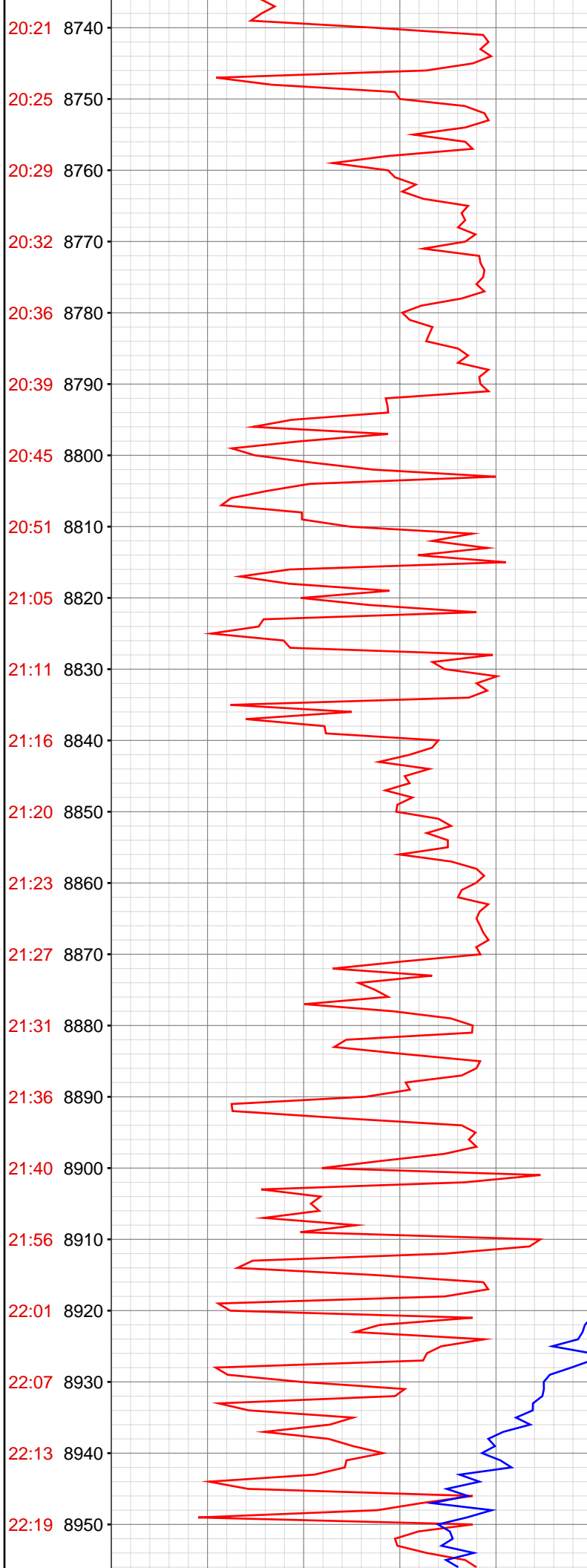








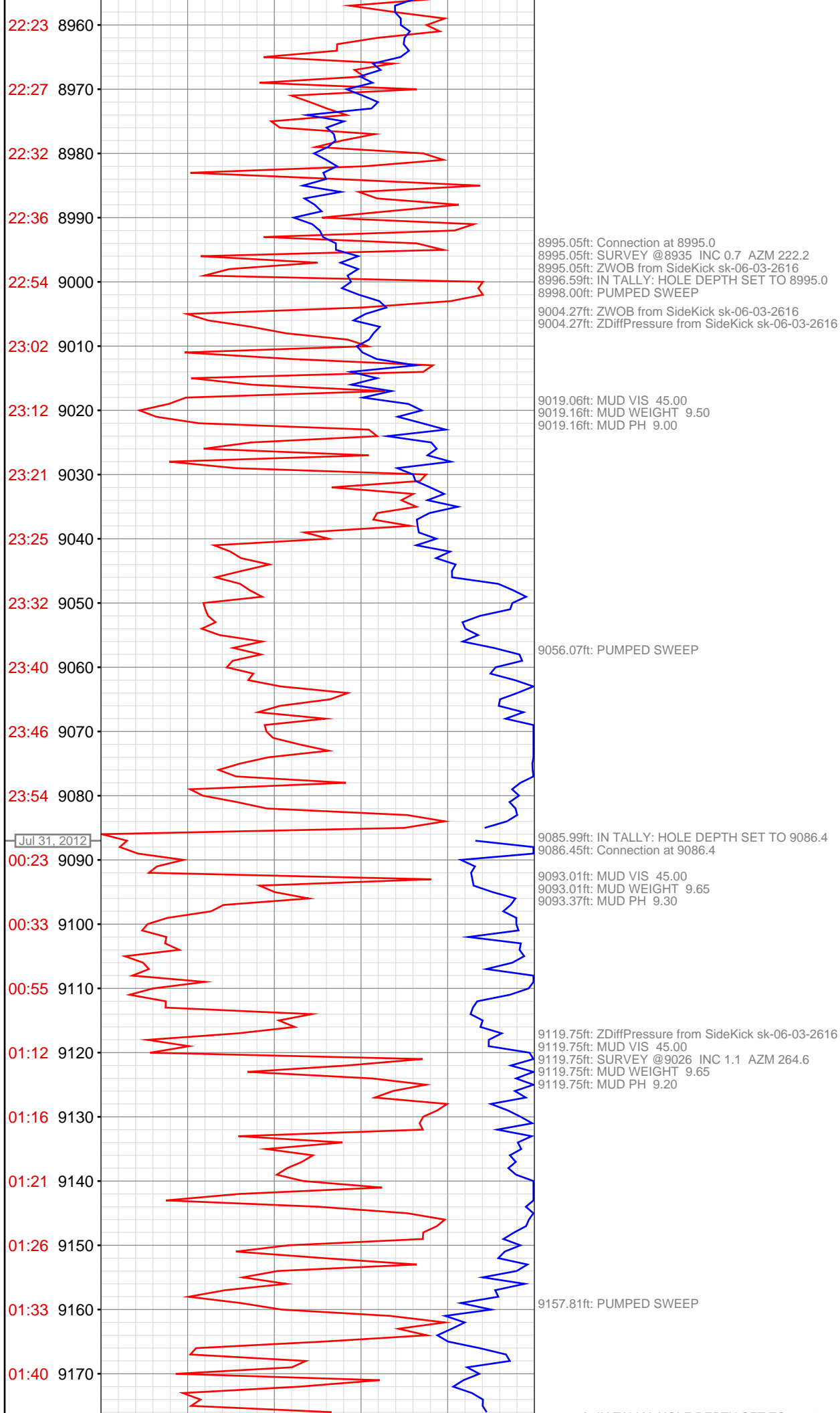




8767.00ft: MUD VIS 45.00
8767.26ft: MUD WEIGHT 9.65
8768.01ft: MUD PH 9.20

8812.24ft: Connection at 8812.2
8812.24ft: SURVEY @8752 INC 0.6 AZM 289.3
8812.24ft: ZDiffPressure from SideKick sk-06-03-2616
8813.22ft: IN TALLY: HOLE DEPTH SET TO 8812.2

8896.46ft: MUD VIS 45.00
8897.01ft: MUD WEIGHT 9.65
8897.44ft: MUD PH 9.10
8902.99ft: IN TALLY: HOLE DEPTH SET TO 8903.7
8903.67ft: Connection at 8903.7
8903.67ft: ZDiffPressure from SideKick sk-06-03-2616
8903.94ft: SURVEY @8843 INC 0.7 AZM 257.2



9177.00ft: IN TALLY: HOLE DEPTH SET TO 9178.0
9177.99ft: Connection at 9178.0
9177.99ft: ZDiffPressure from SideKick sk-06-03-2616

9206.66ft: MUD VIS 44.00
9206.66ft: MUD WEIGHT 9.65
9206.86ft: MUD PH 9.10

9223.23ft: SURVEY @9118 INC 1.1 AZM 263.1

9269.00ft: IN TALLY: HOLE DEPTH SET TO 9269.4
9269.36ft: Connection at 9269.4
9269.36ft: SURVEY DEPTH 9209' INC. 1.7 AZI. 240.2

9280.74ft: MUD VIS 43.00
9280.74ft: MUD WEIGHT 9.65
9280.87ft: MUD PH 9.00

9321.72ft: ZDiffPressure from SideKick sk-06-03-2616

9360.83ft: Connection at 9360.8
9360.83ft: ZDiffPressure from SideKick sk-06-03-2616
9360.83ft: SURVEY @9300 INC 0.9 AZM 266.5
9362.47ft: IN TALLY: HOLE DEPTH SET TO 9360.8

