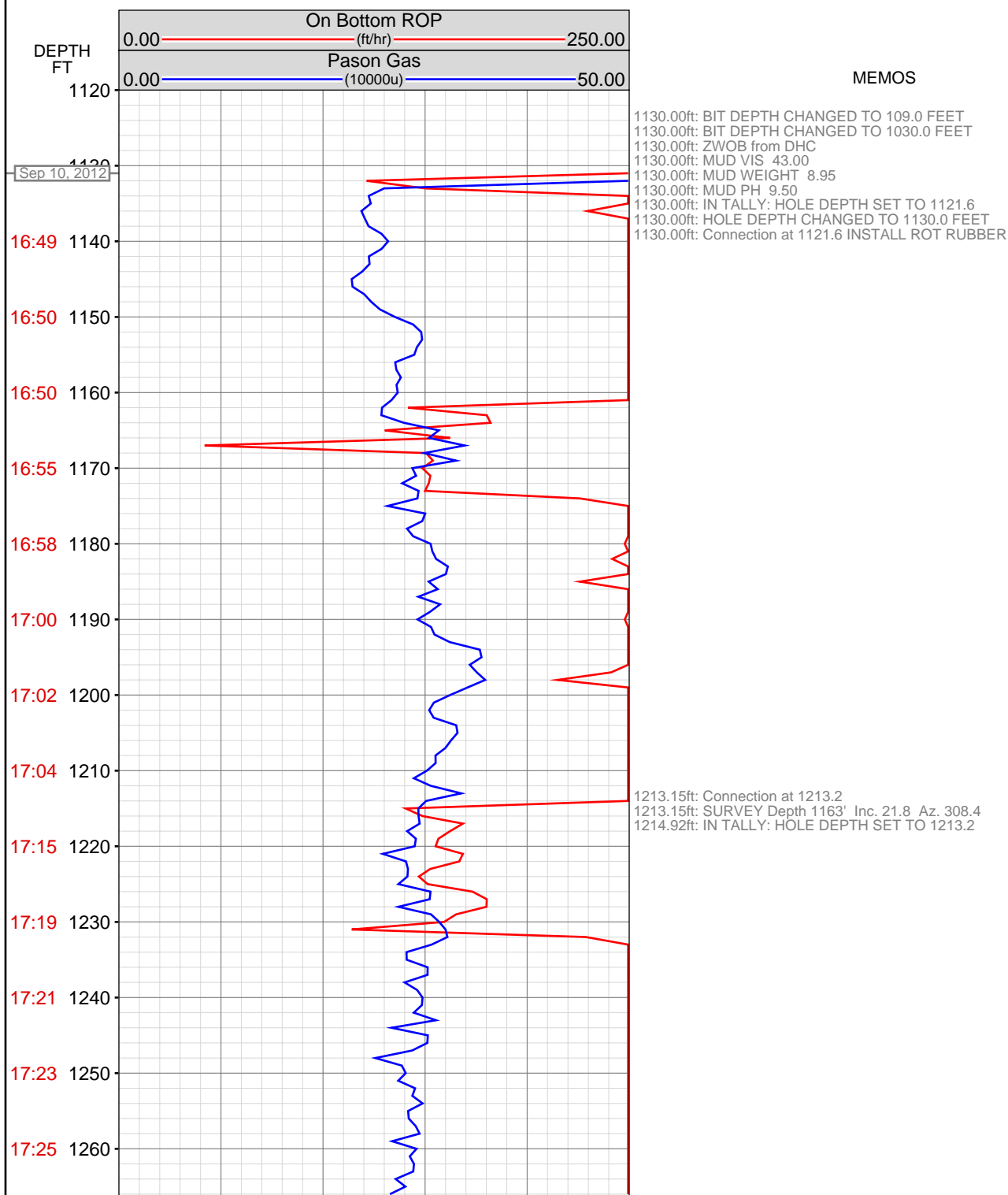
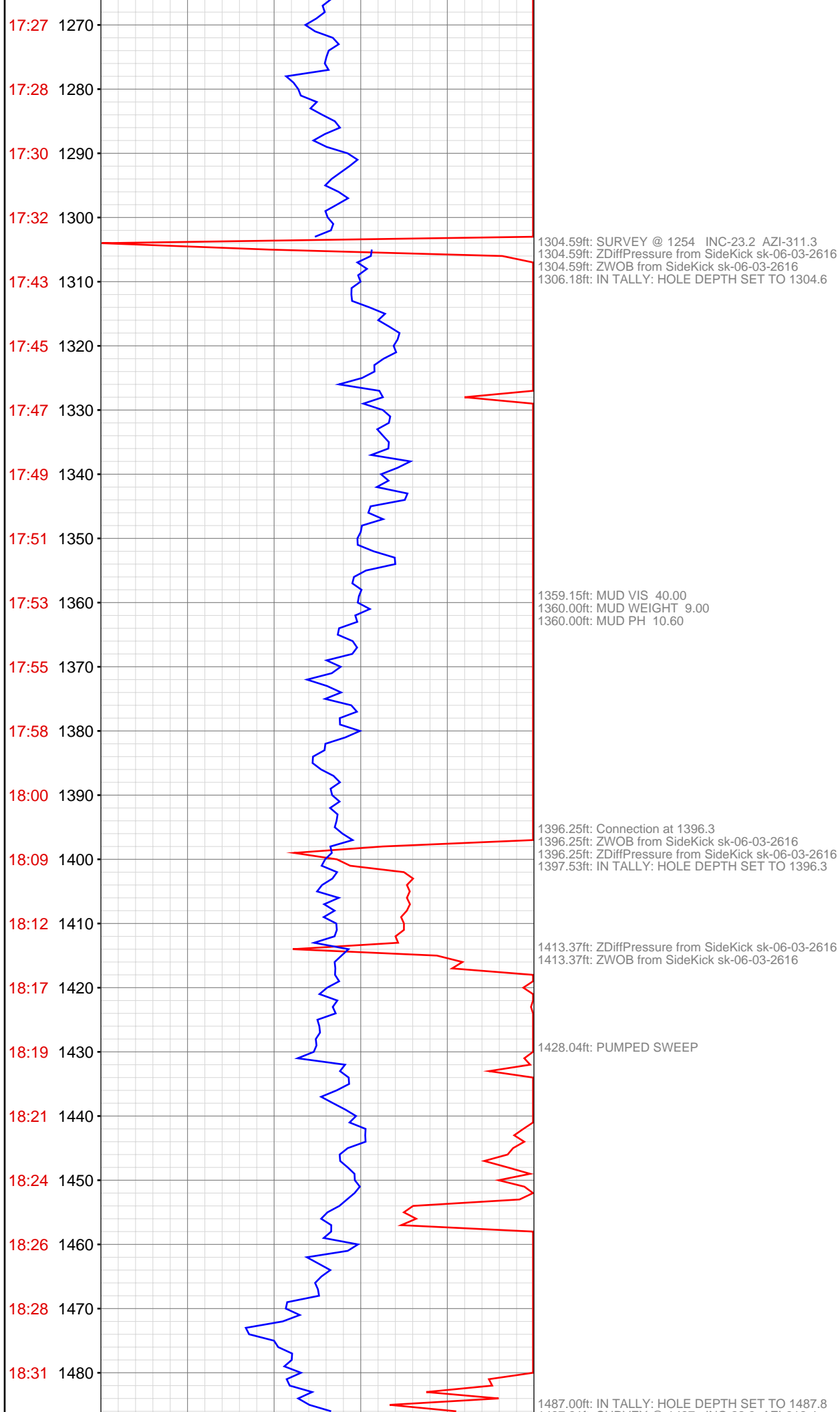
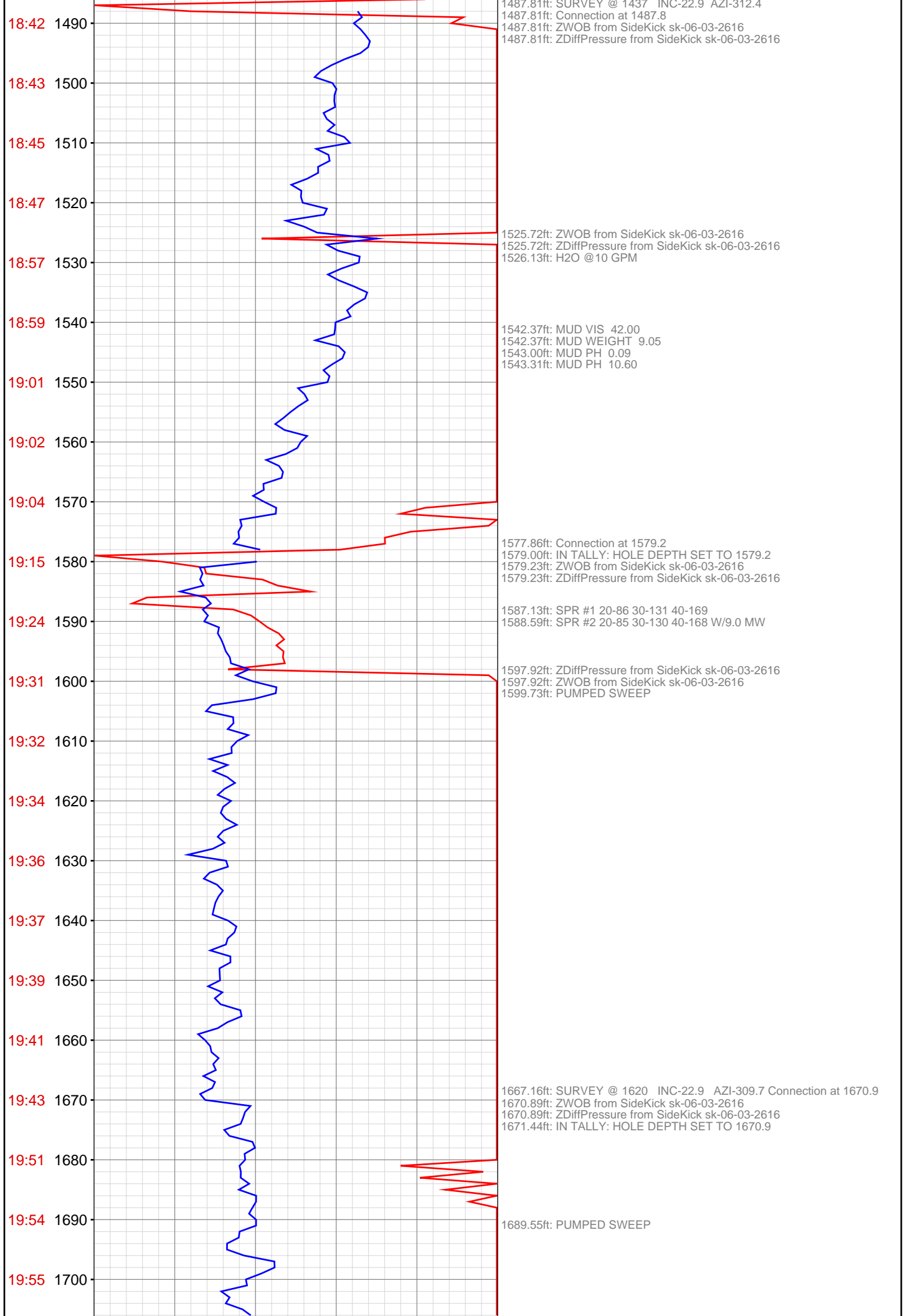


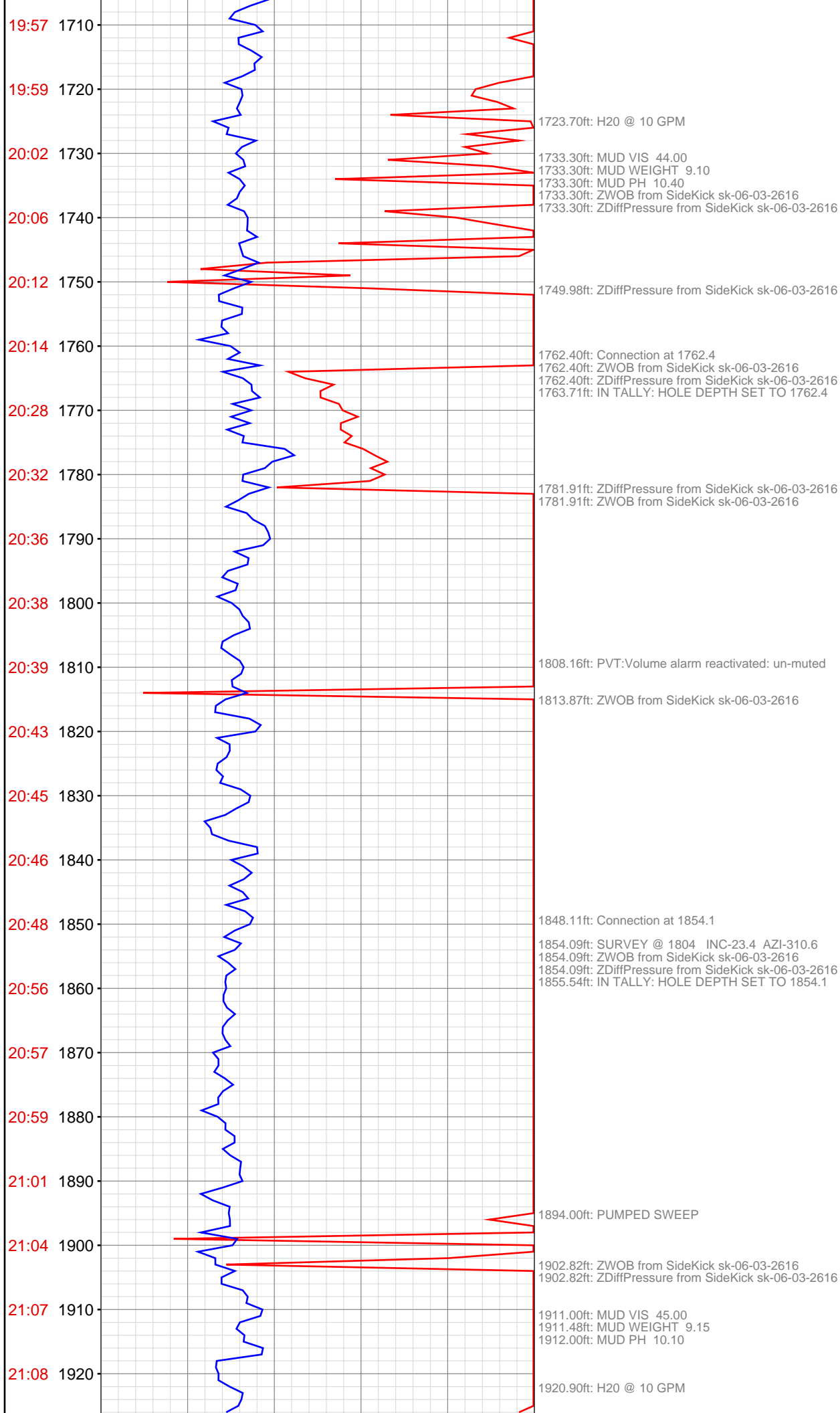
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: MCU FEE 17-9B
FIELD:
LOCATION: SEC 16 TS7S RG 93W
COUNTRY: USA
RIG: Pat-UTI 308

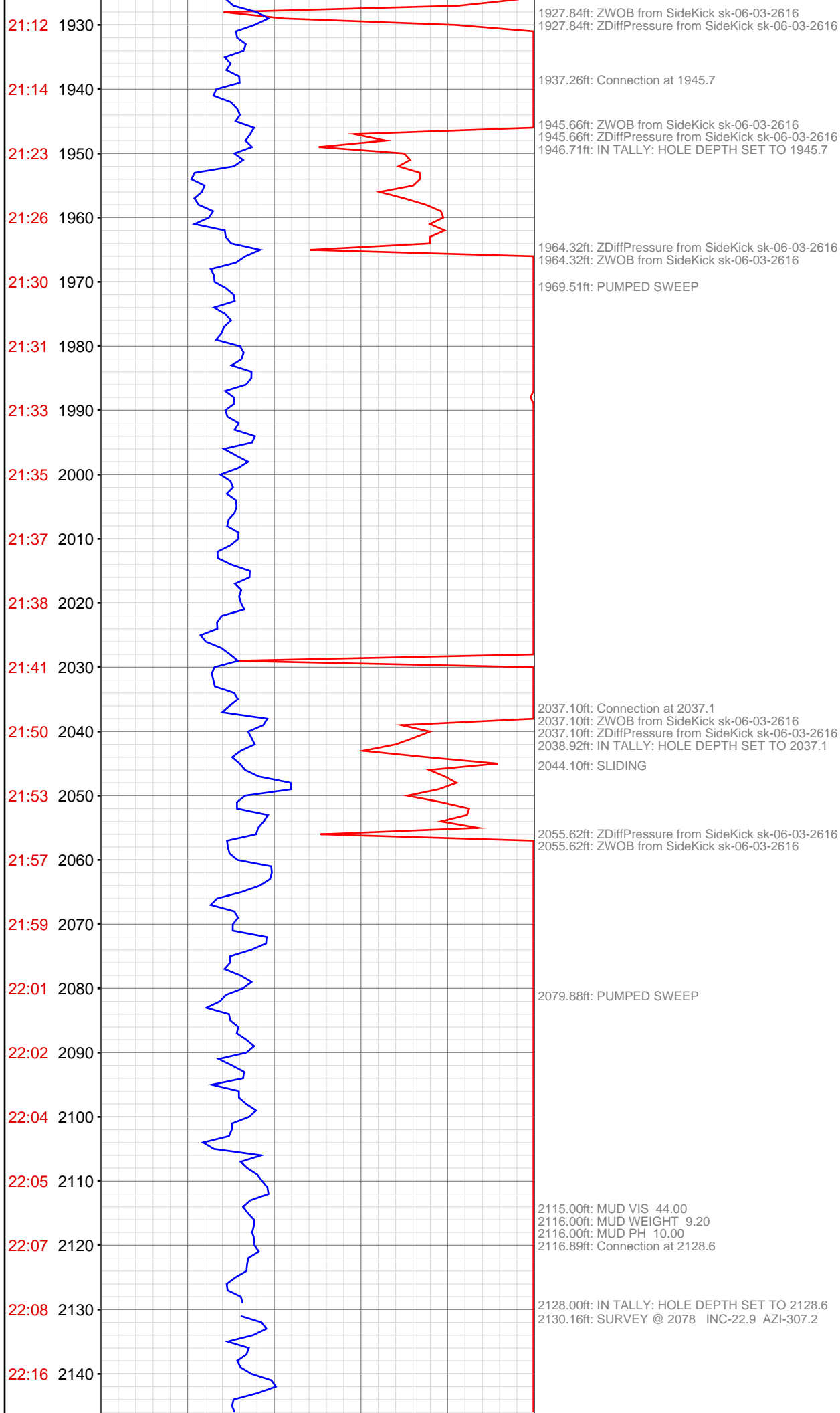
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 0504520686
SPUD DATE: Sep 10, 2012 13:00
RELEASE DATE: Sep 18, 2012 15:00

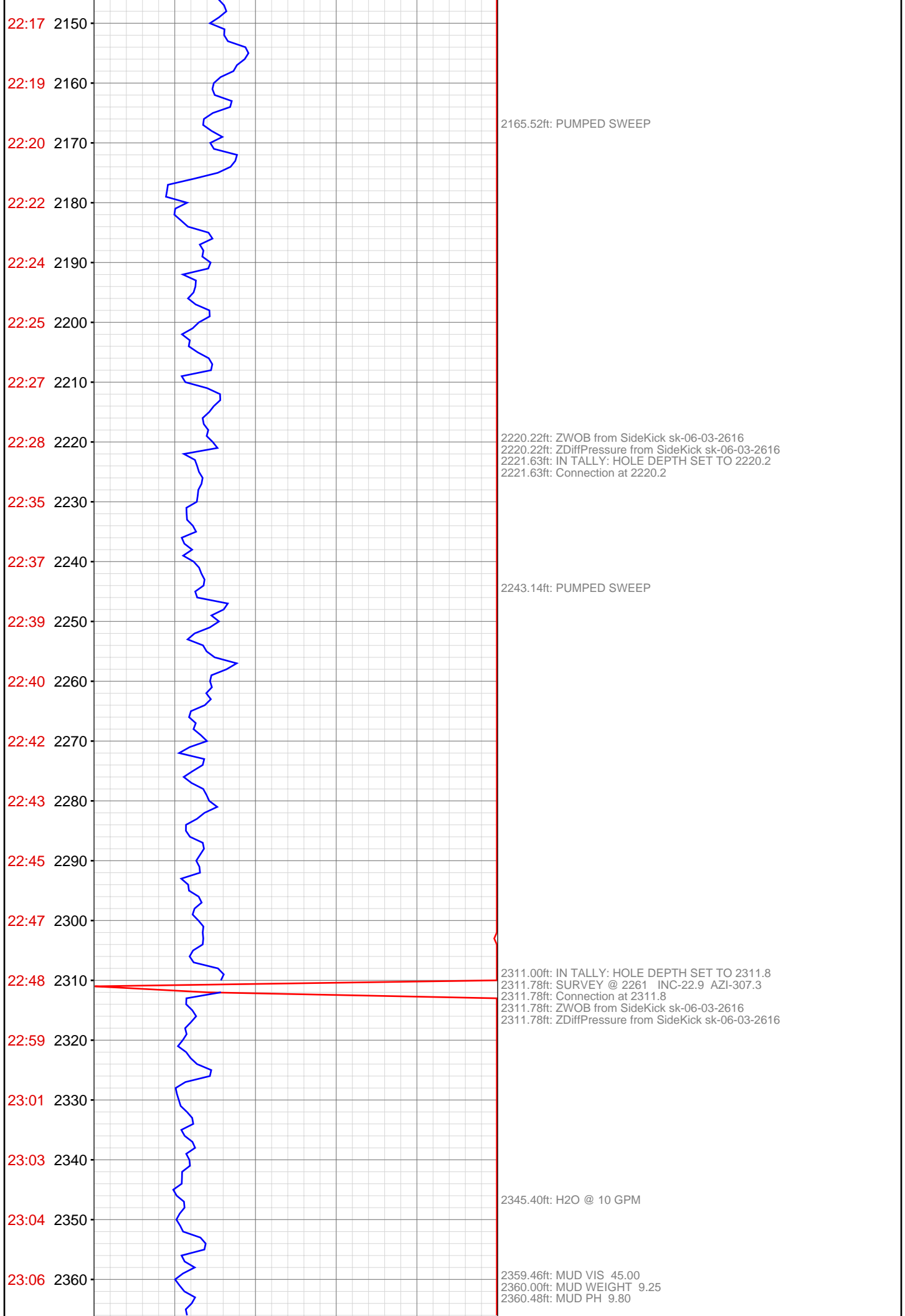


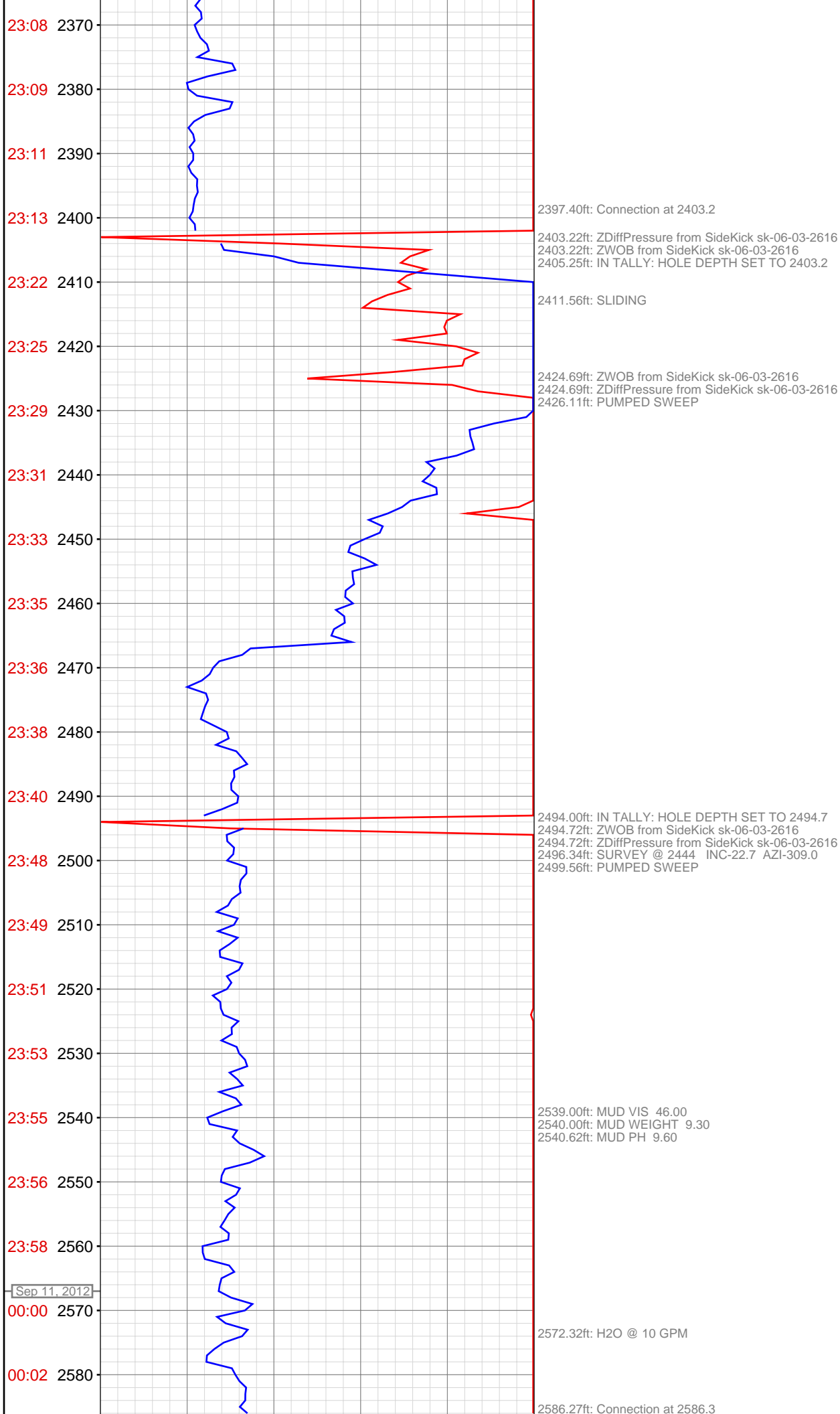


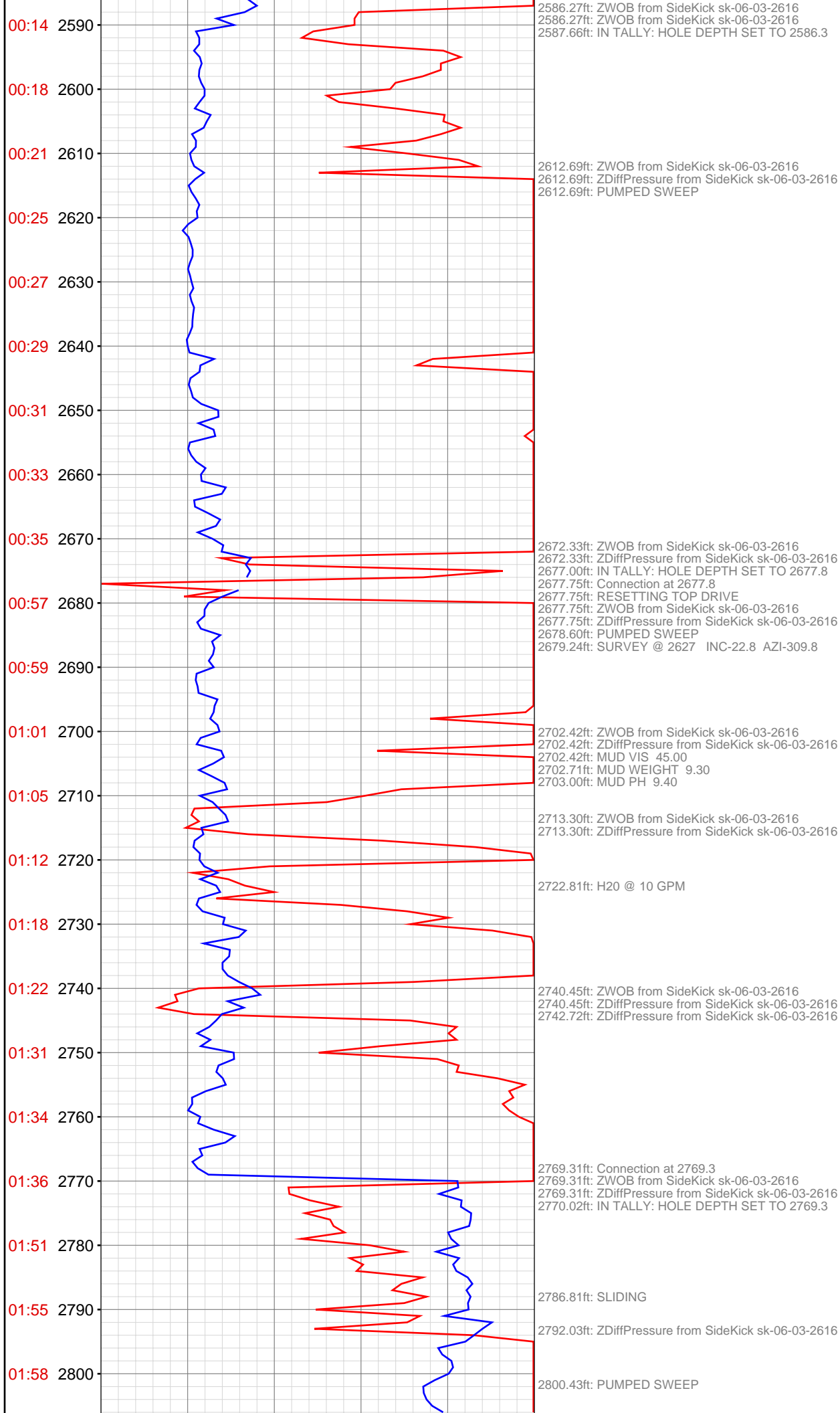


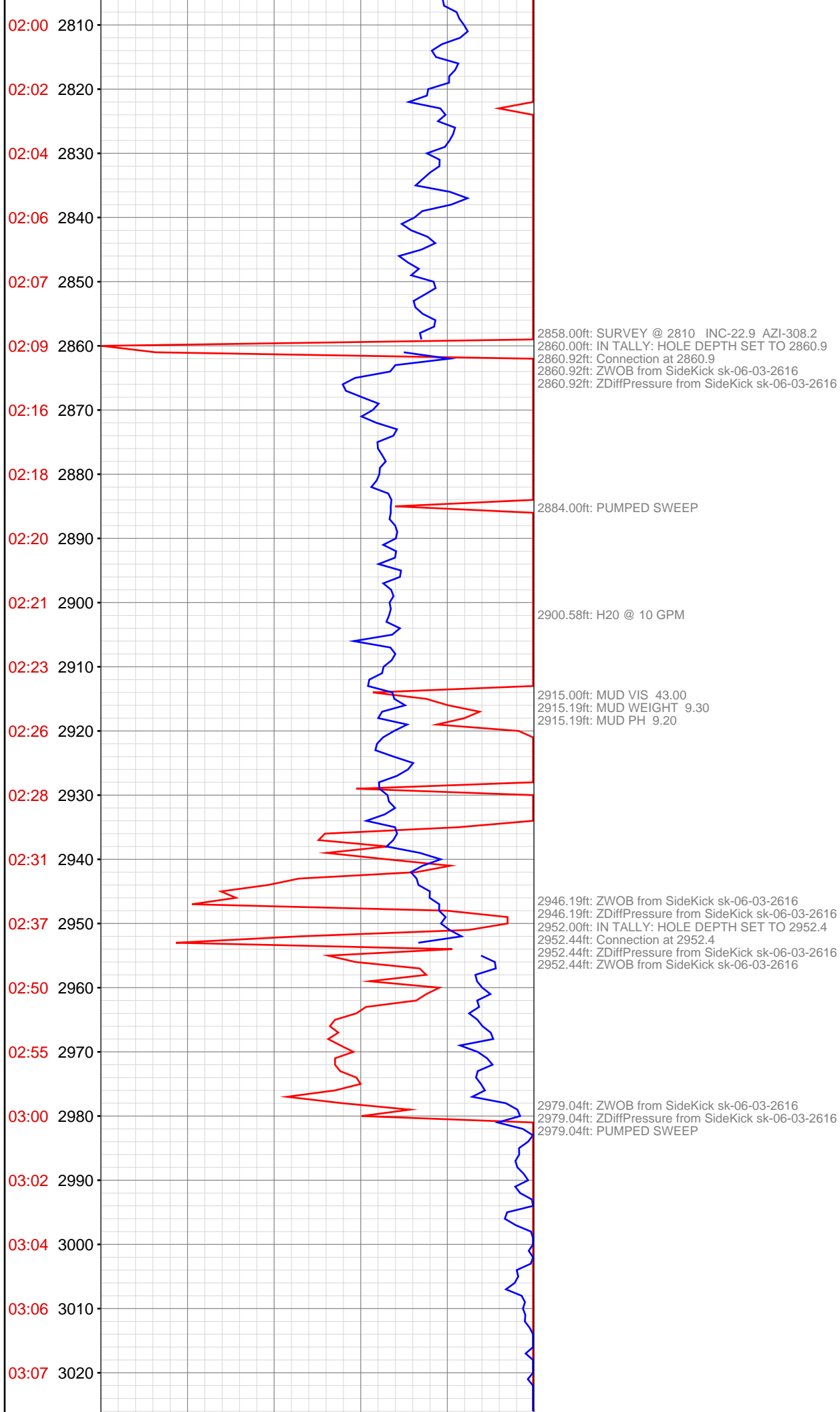


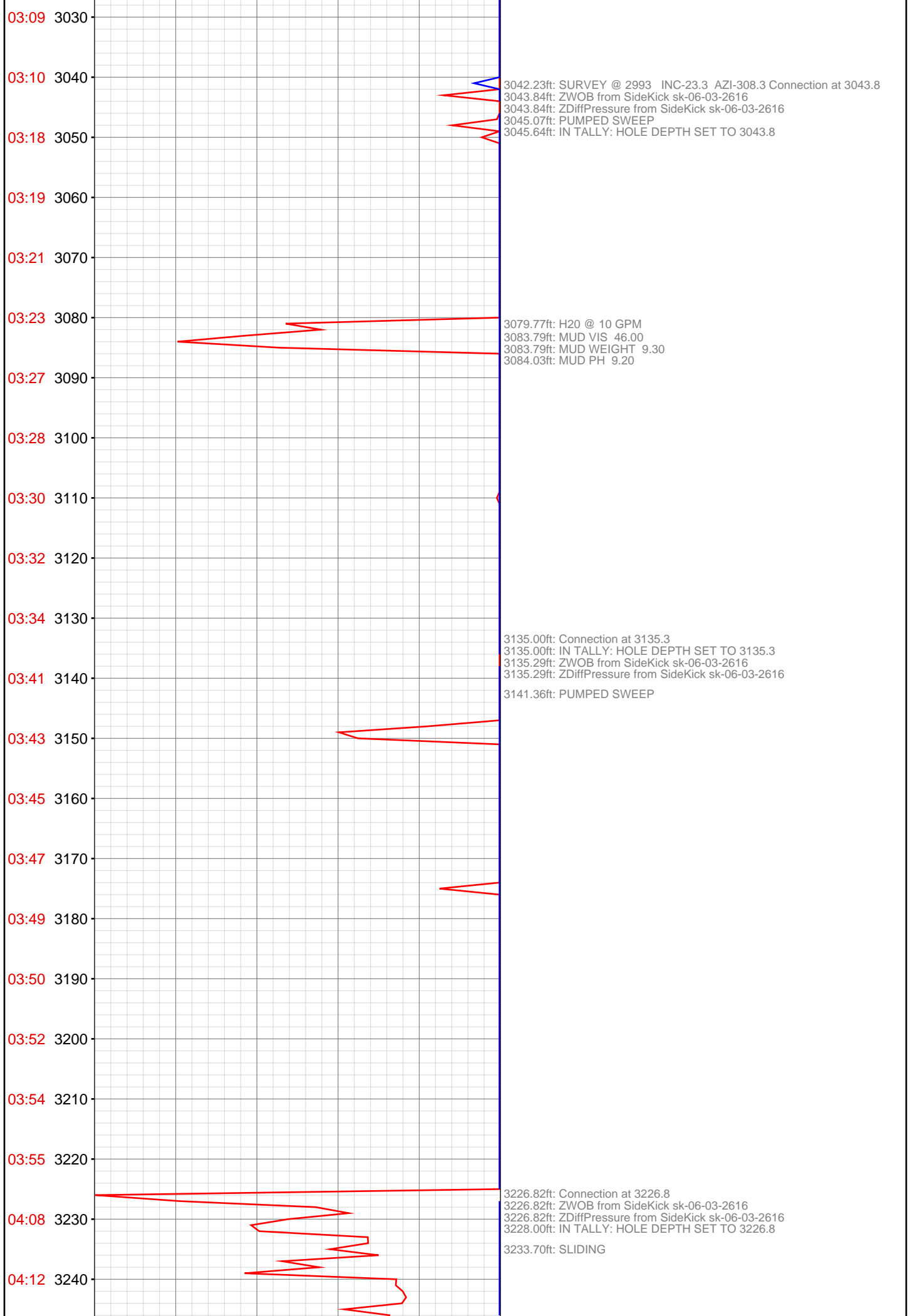


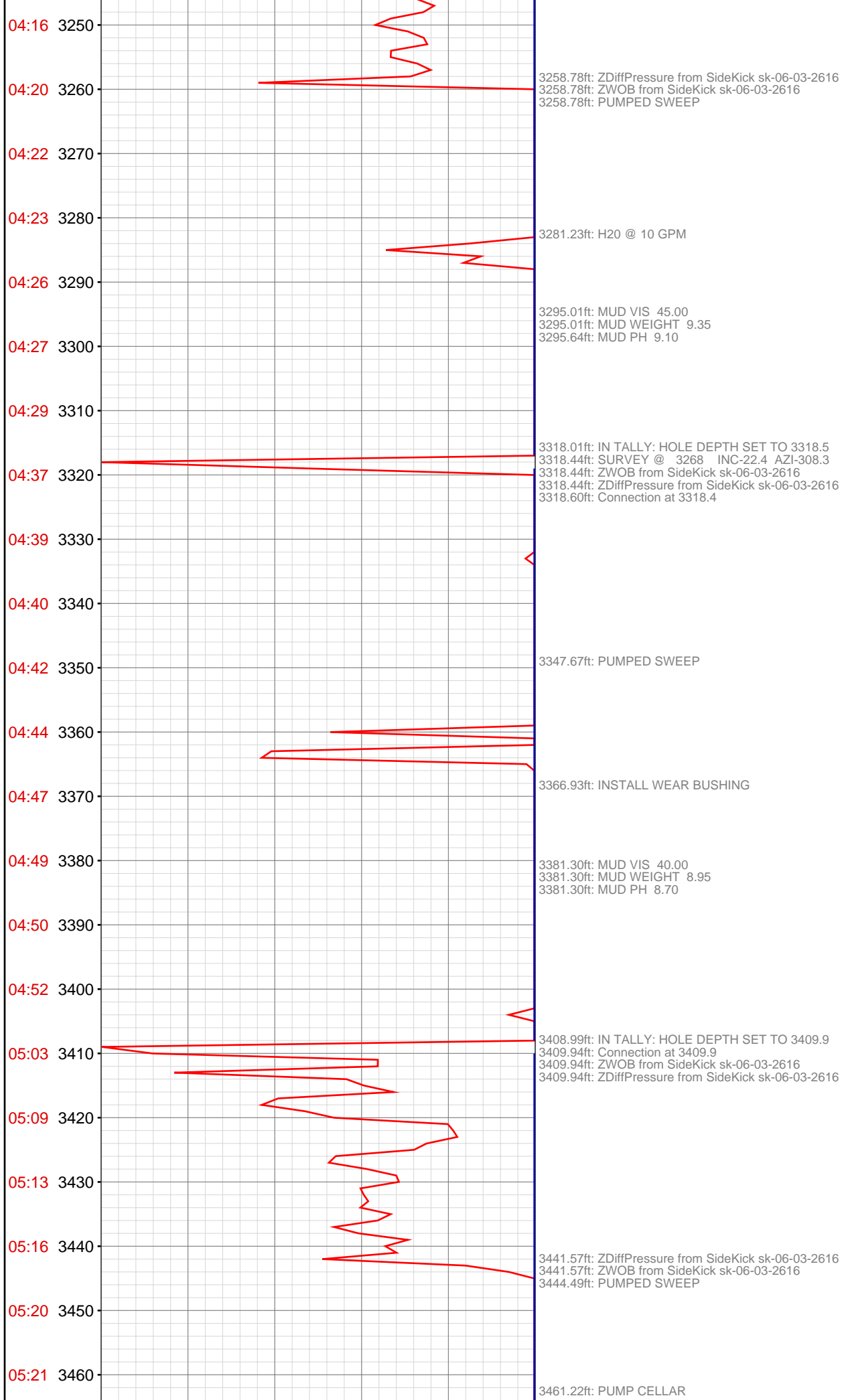


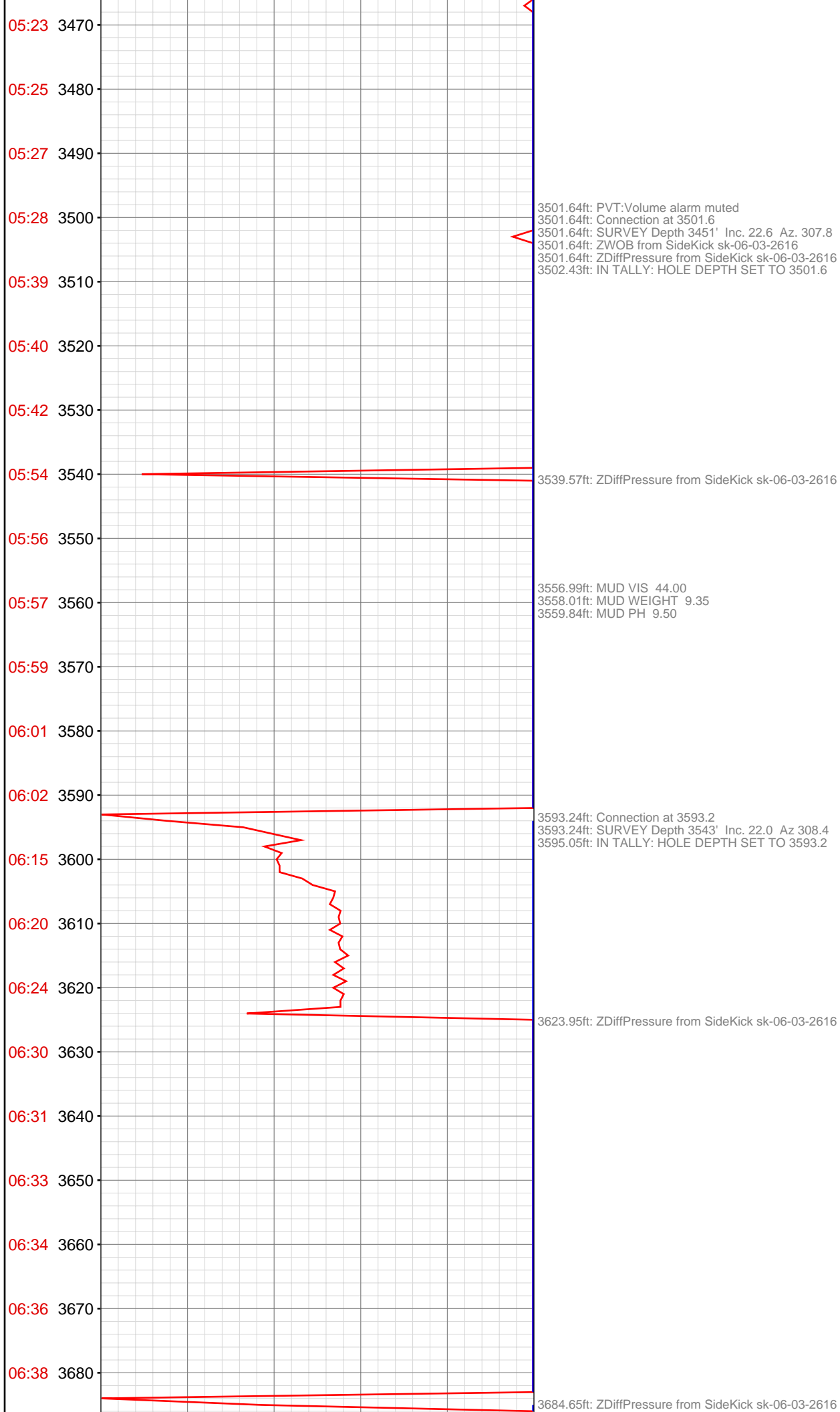


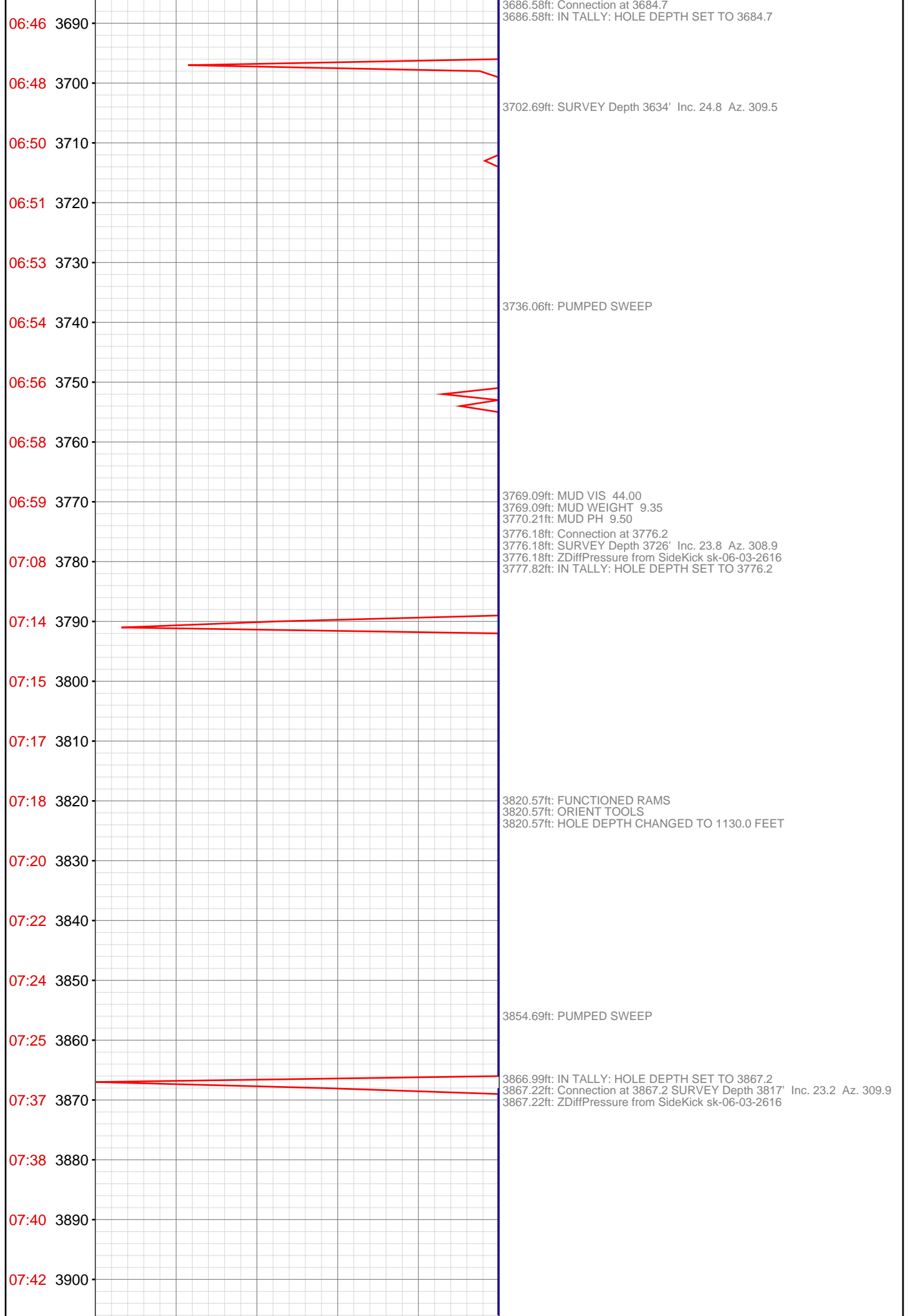


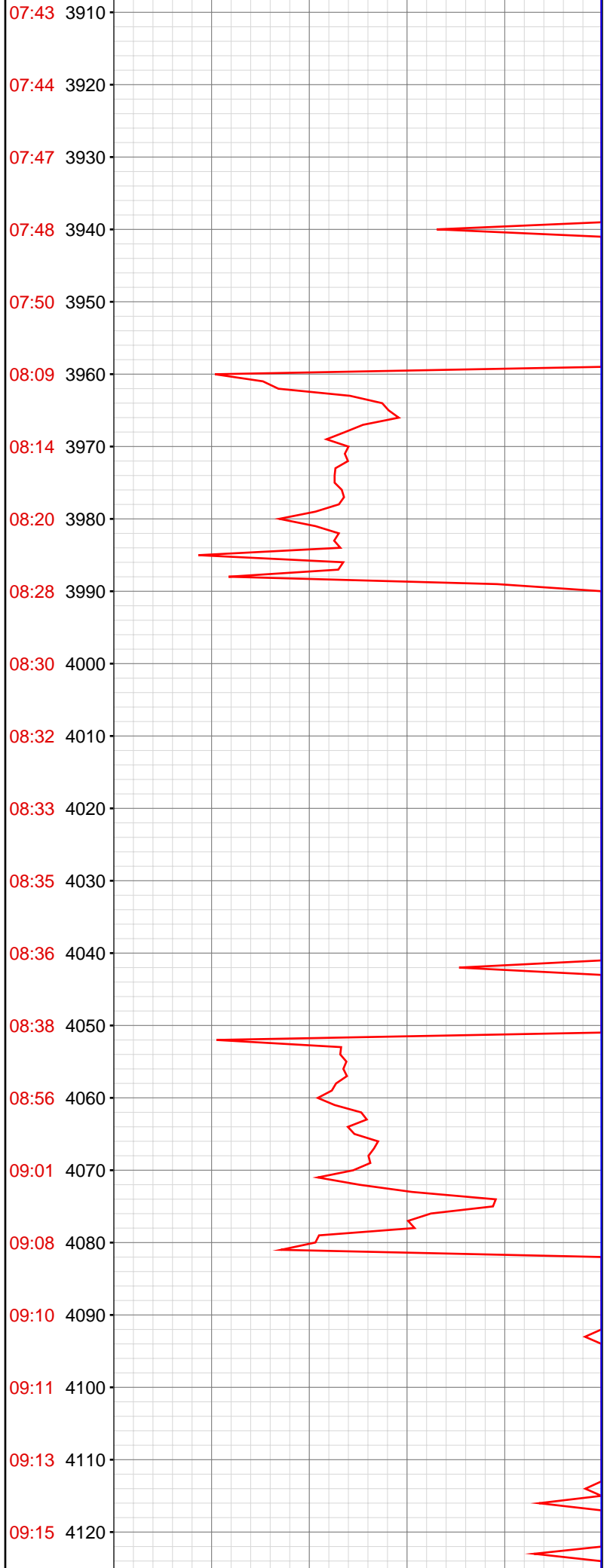












3957.41ft: PUMPED SWEEP
3958.63ft: Connection at 3958.6
3958.63ft: MUD VIS 45.00
3958.63ft: MUD WEIGHT 9.40
3958.63ft: MUD PH 9.50
3958.63ft: SURVEY Depth 3908' Inc. 21.8 Az. 310.5
3959.61ft: IN TALLY: HOLE DEPTH SET TO 3958.6

3987.50ft: ZDiffPressure from SideKick sk-06-03-2616

4041.90ft: PUMPED SWEEP

4050.10ft: Connection at 4050.1
4050.10ft: SURVEY Depth 4000' Inc. 22.6 Az. 310.1
4050.10ft: ZDiffPressure from SideKick sk-06-03-2616
4051.57ft: IN TALLY: HOLE DEPTH SET TO 4050.1

4067.68ft: MUD VIS 44.00
4067.68ft: MUD WEIGHT 9.40
4068.01ft: MUD PH 9.50

4080.48ft: ZDiffPressure from SideKick sk-06-03-2616
4080.48ft: PUMPED SWEEP

09:18 4130

09:20 4140

09:33 4150

09:34 4160

09:36 4170

09:38 4180

09:40 4190

09:42 4200

09:43 4210

09:45 4220

09:47 4230

09:58 4240

09:59 4250

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10:03 4270

10:05 4280

10:07 4290

10:09 4300

10:11 4310

10:13 4320

10:29 4330

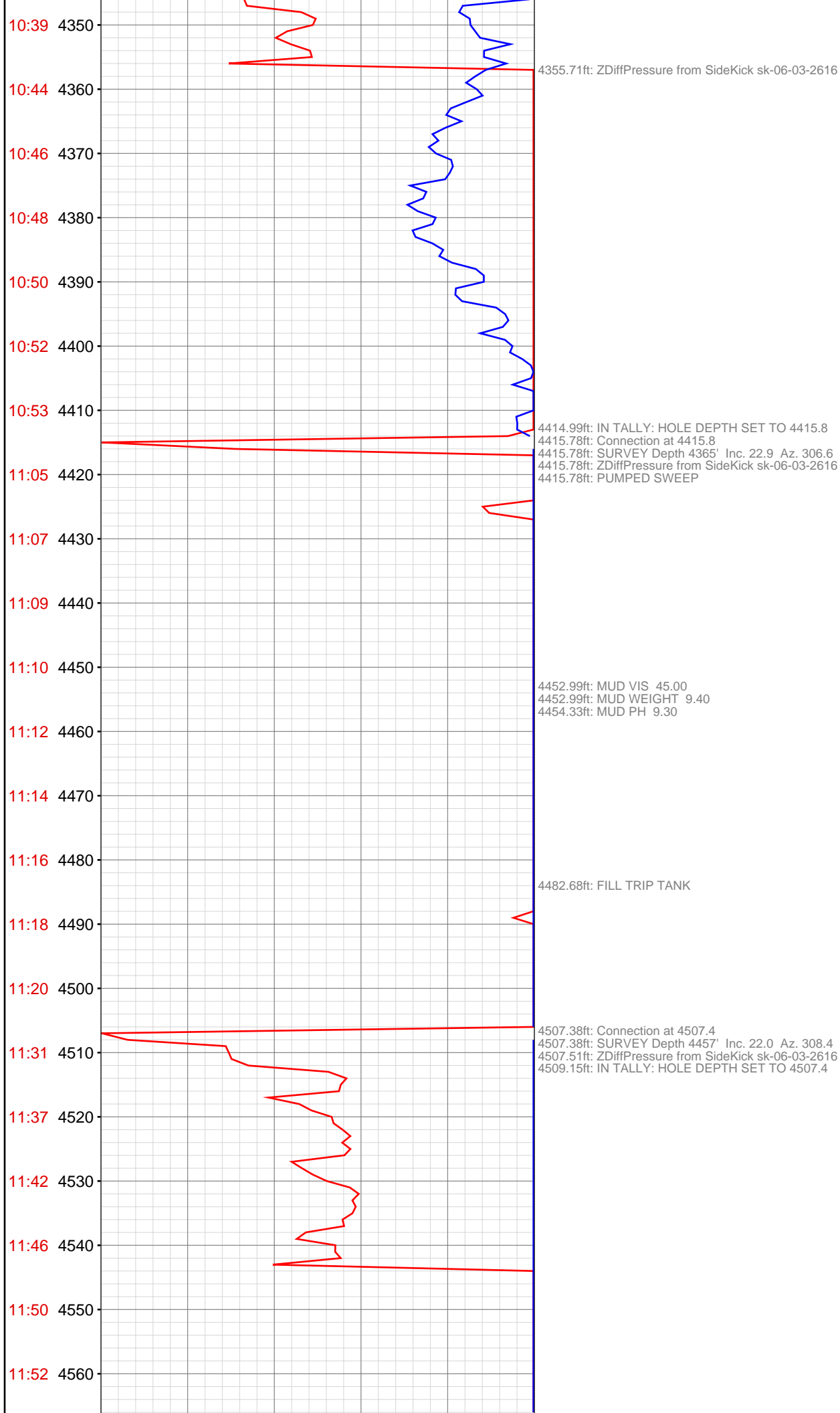
10:34 4340

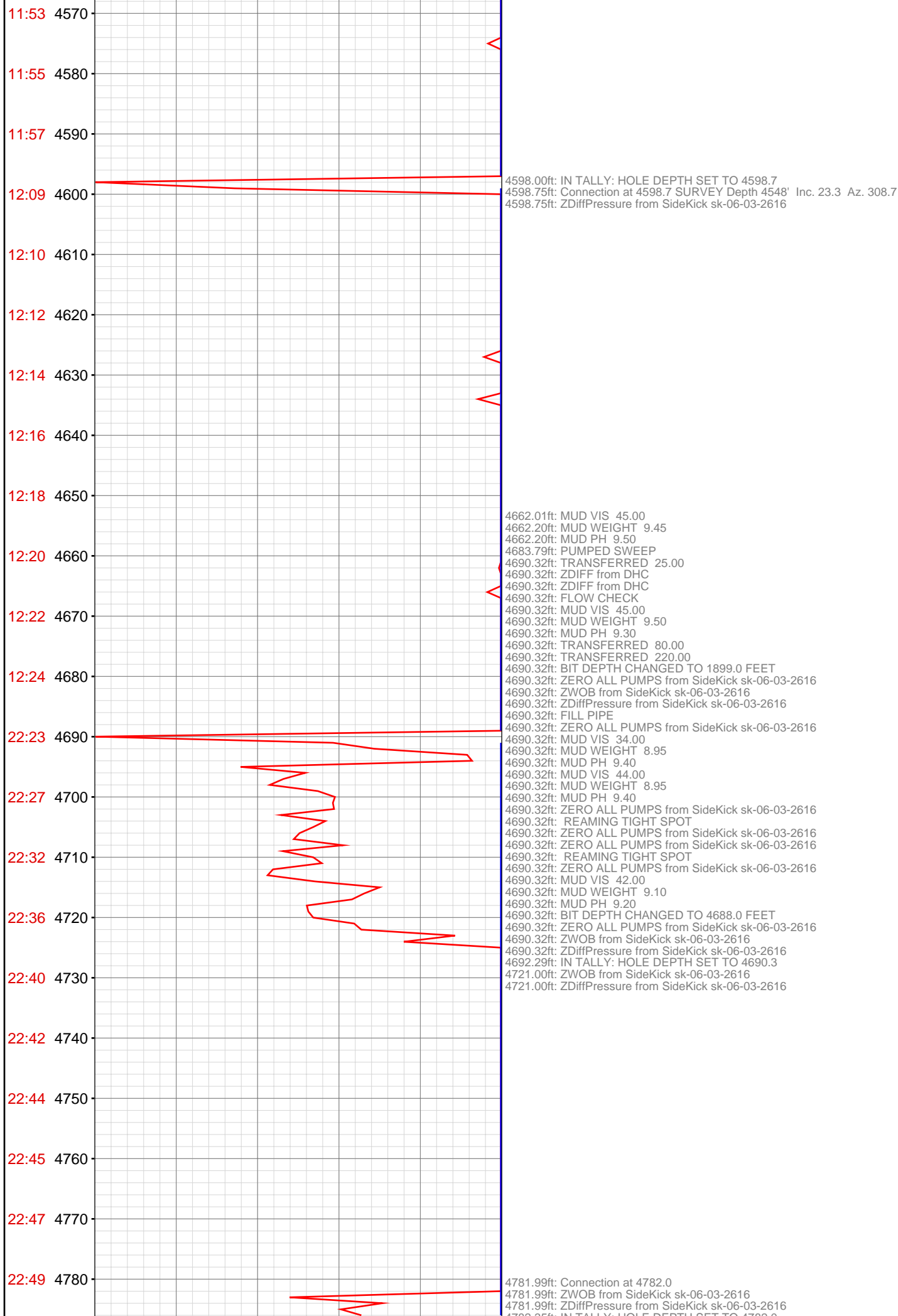
4141.54ft: Connection at 4141.5
4141.54ft: SURVEY Depth 4091' Inc. 23.0 Az. 308.0
4141.54ft: ZDiffPressure from SideKick sk-06-03-2616
4141.54ft: PUMPED SWEEP
4141.54ft: ZDiffPressure from SideKick sk-06-03-2616
4143.41ft: IN TALLY: HOLE DEPTH SET TO 4141.5

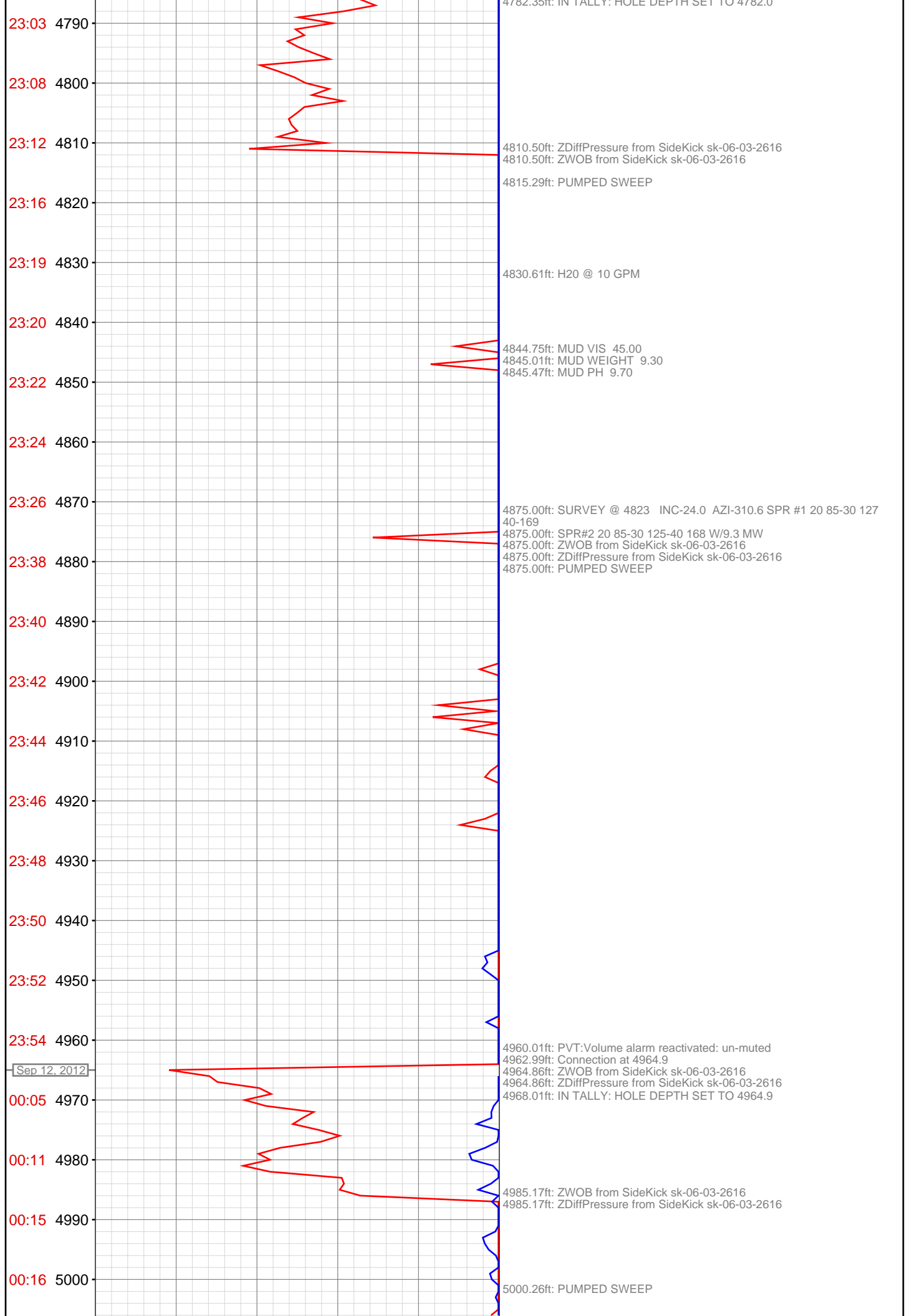
4233.01ft: Connection at 4233.0
4233.01ft: SURVEY Depth 4183' Inc. 22.4 Az. 308.1
4233.01ft: ZDiffPressure from SideKick sk-06-03-2616
4234.91ft: IN TALLY: HOLE DEPTH SET TO 4233.0

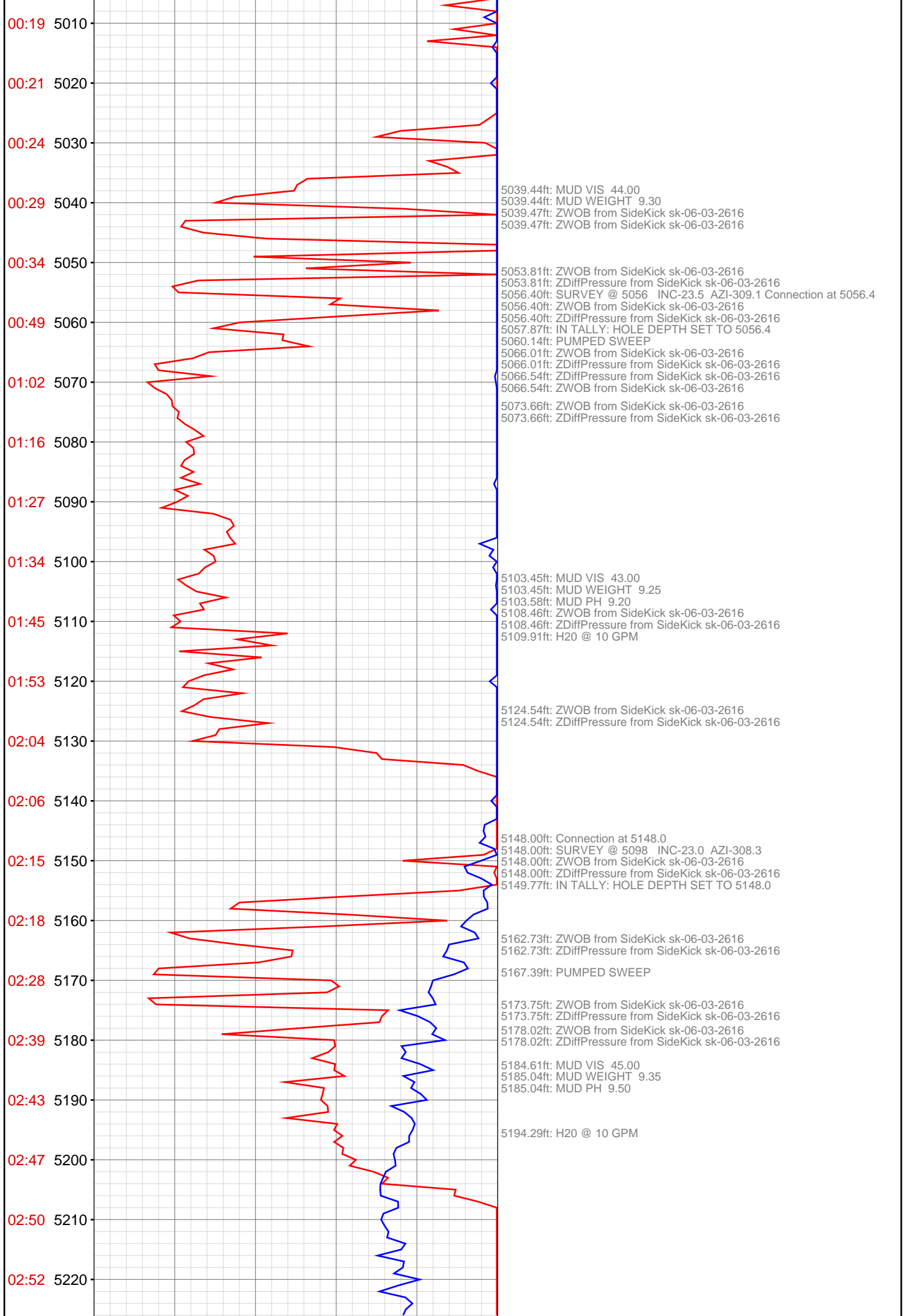
4297.38ft: PUMPED SWEEP

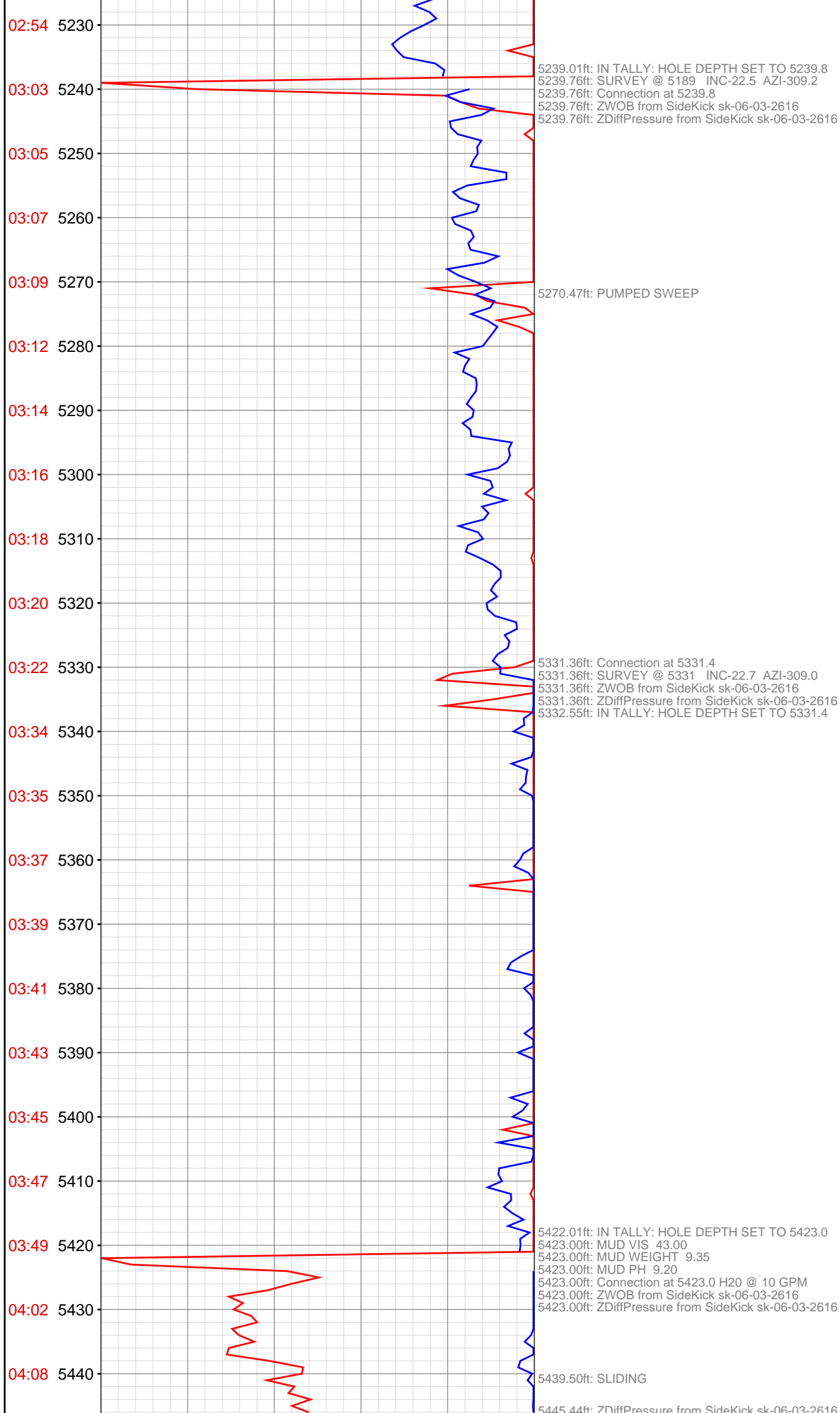
4320.18ft: MUD VIS 44.00
4321.00ft: MUD WEIGHT 9.40
4321.29ft: MUD PH 9.50
4324.02ft: IN TALLY: HOLE DEPTH SET TO 4324.5
4324.51ft: Connection at 4324.5
4324.51ft: SURVEY Depth 4274' Inc. 21.6 Az. 307.5
4324.51ft: ZDiffPressure from SideKick sk-06-03-2616

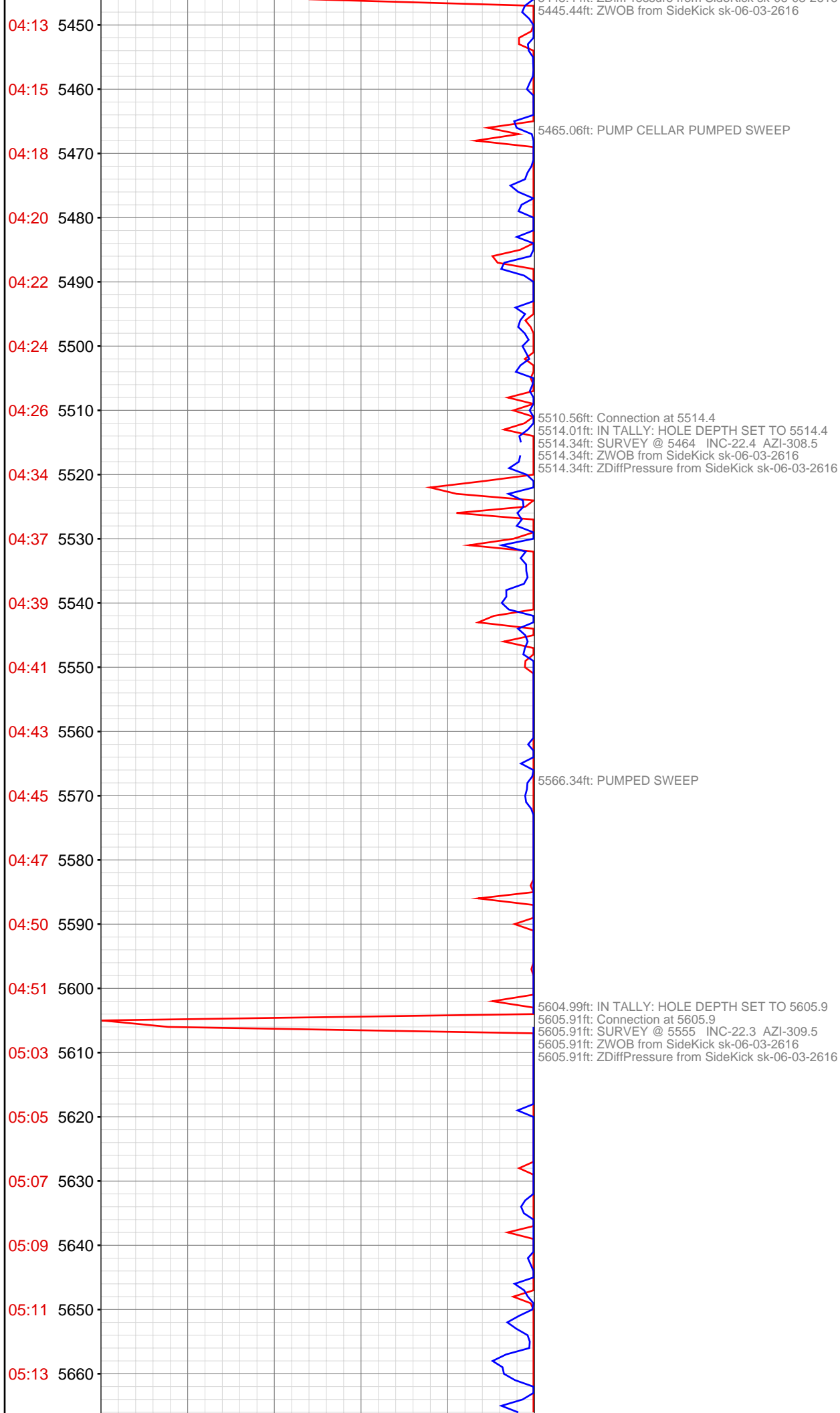


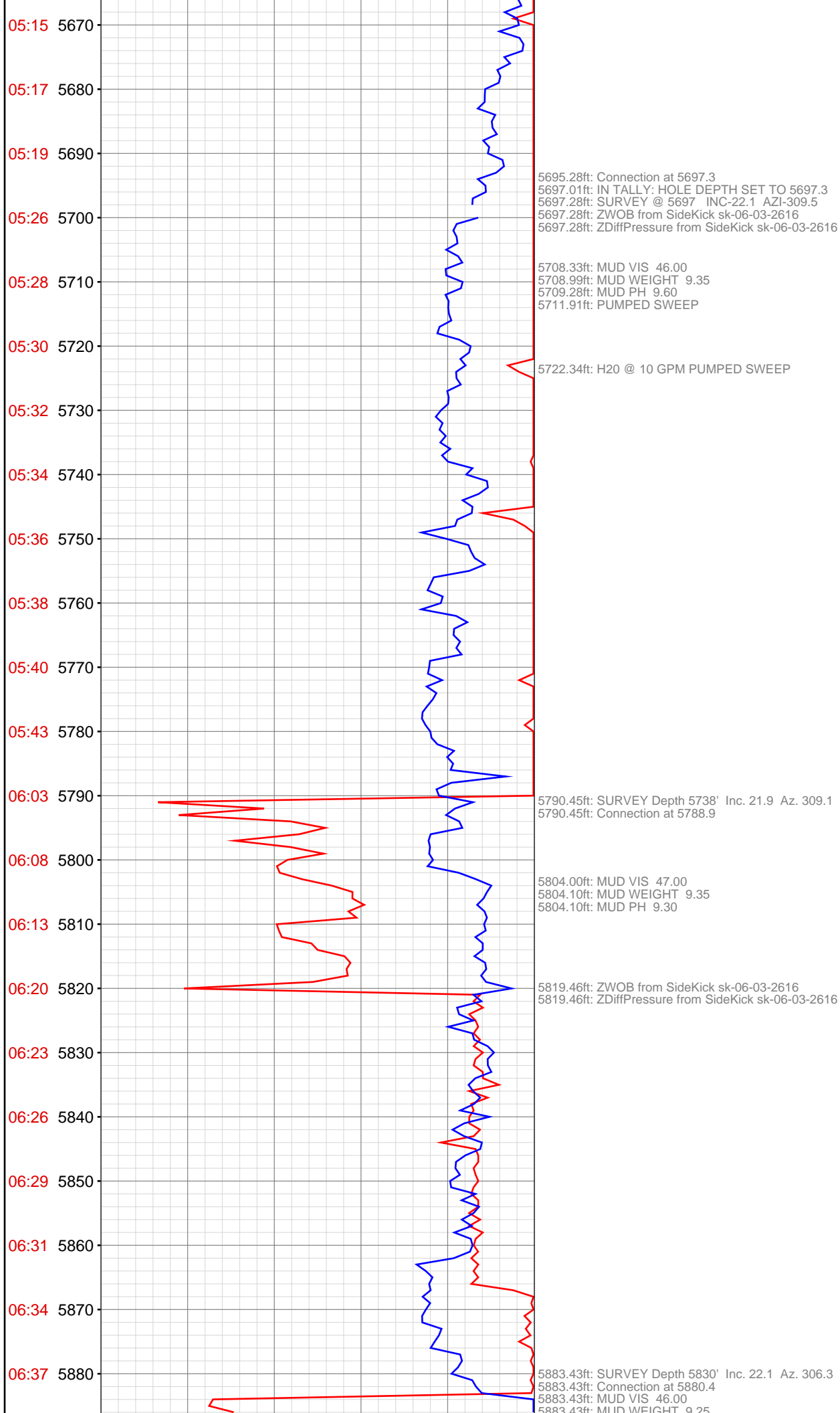


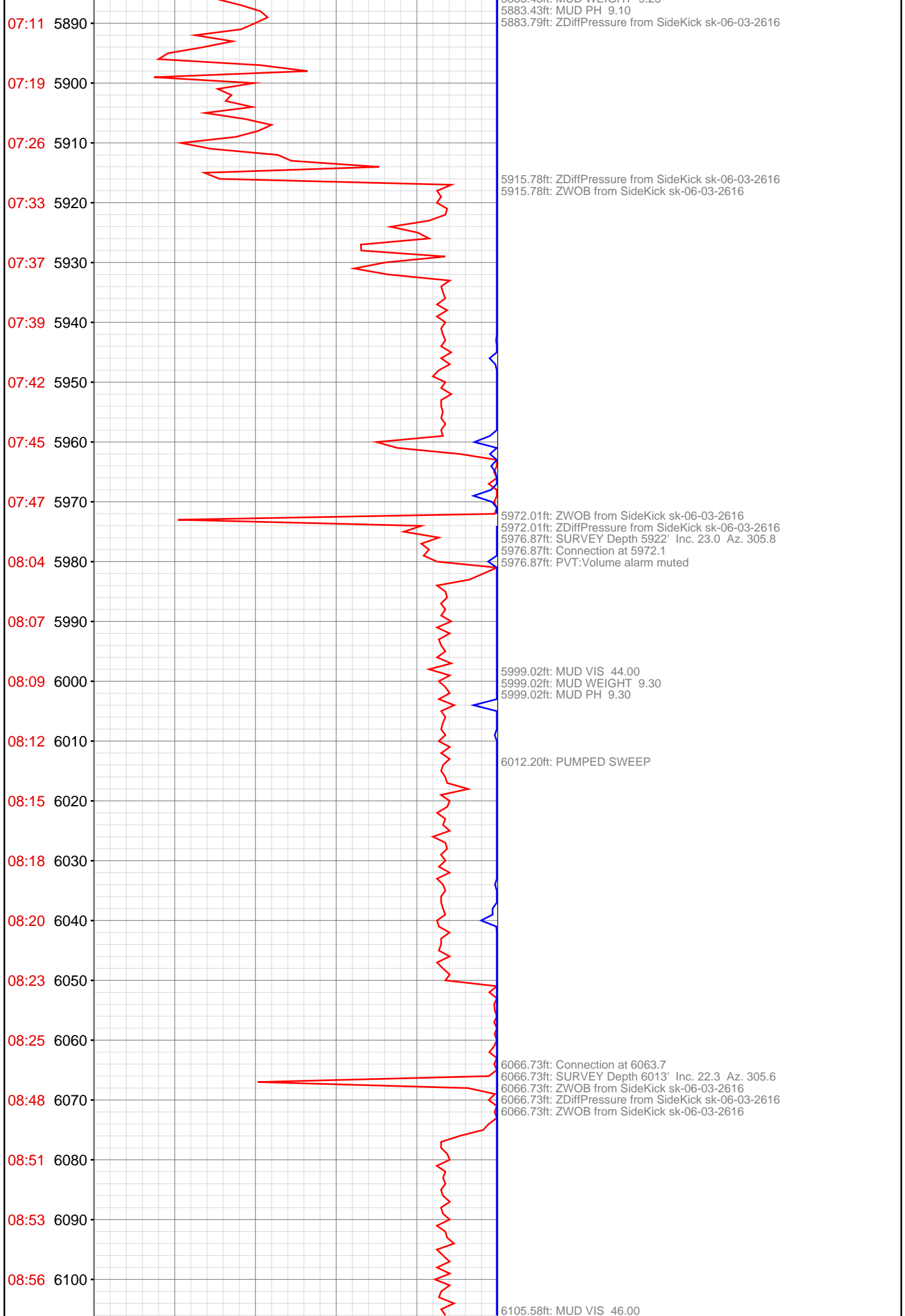


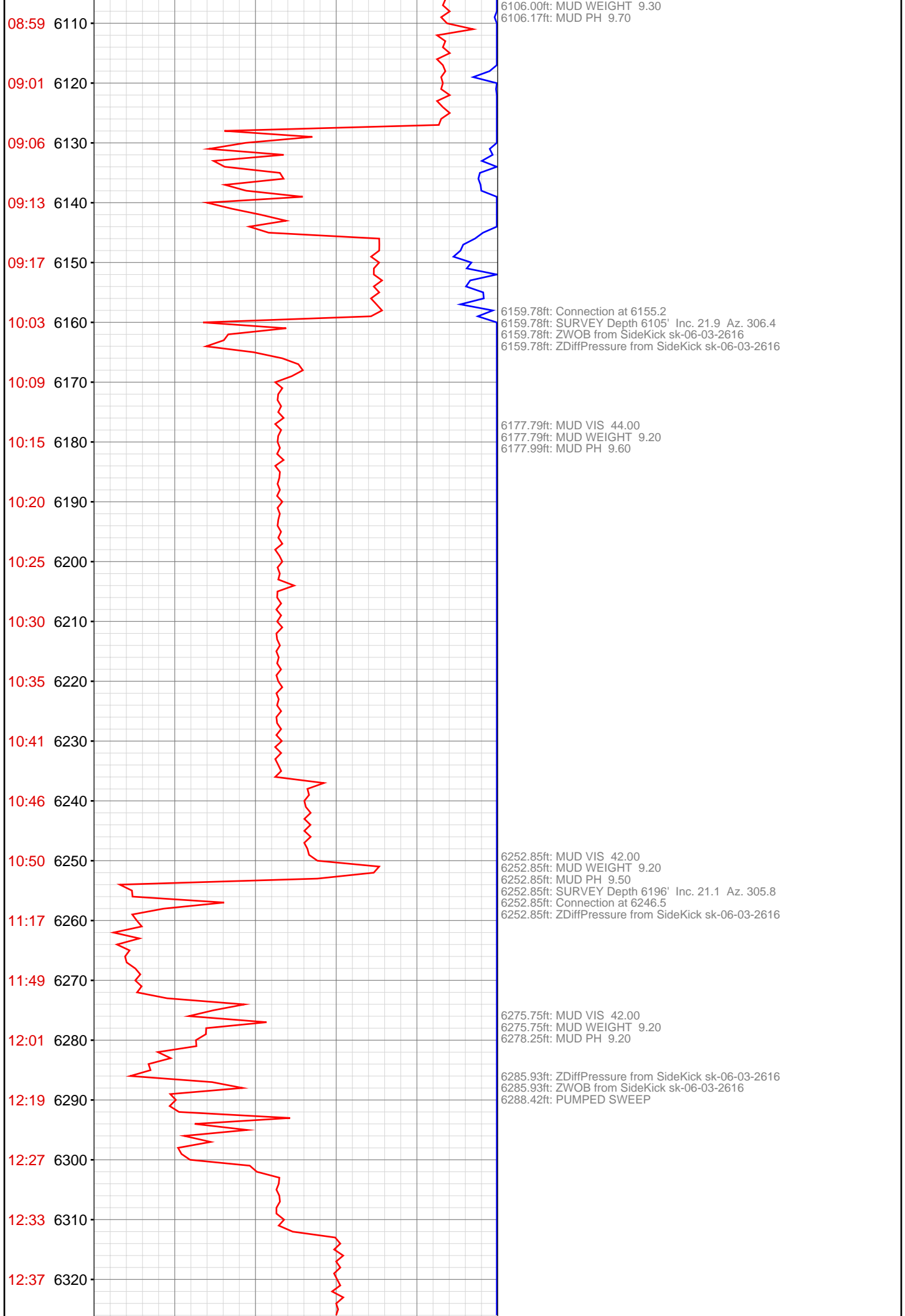












12:41 6330

12:44 6340

13:19 6350

13:26 6360

13:35 6370

13:45 6380

13:54 6390

13:57 6400

14:01 6410

14:05 6420

14:08 6430

14:24 6440

14:28 6450

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14:42 6490

14:45 6500

14:47 6510

14:50 6520

15:41 6530

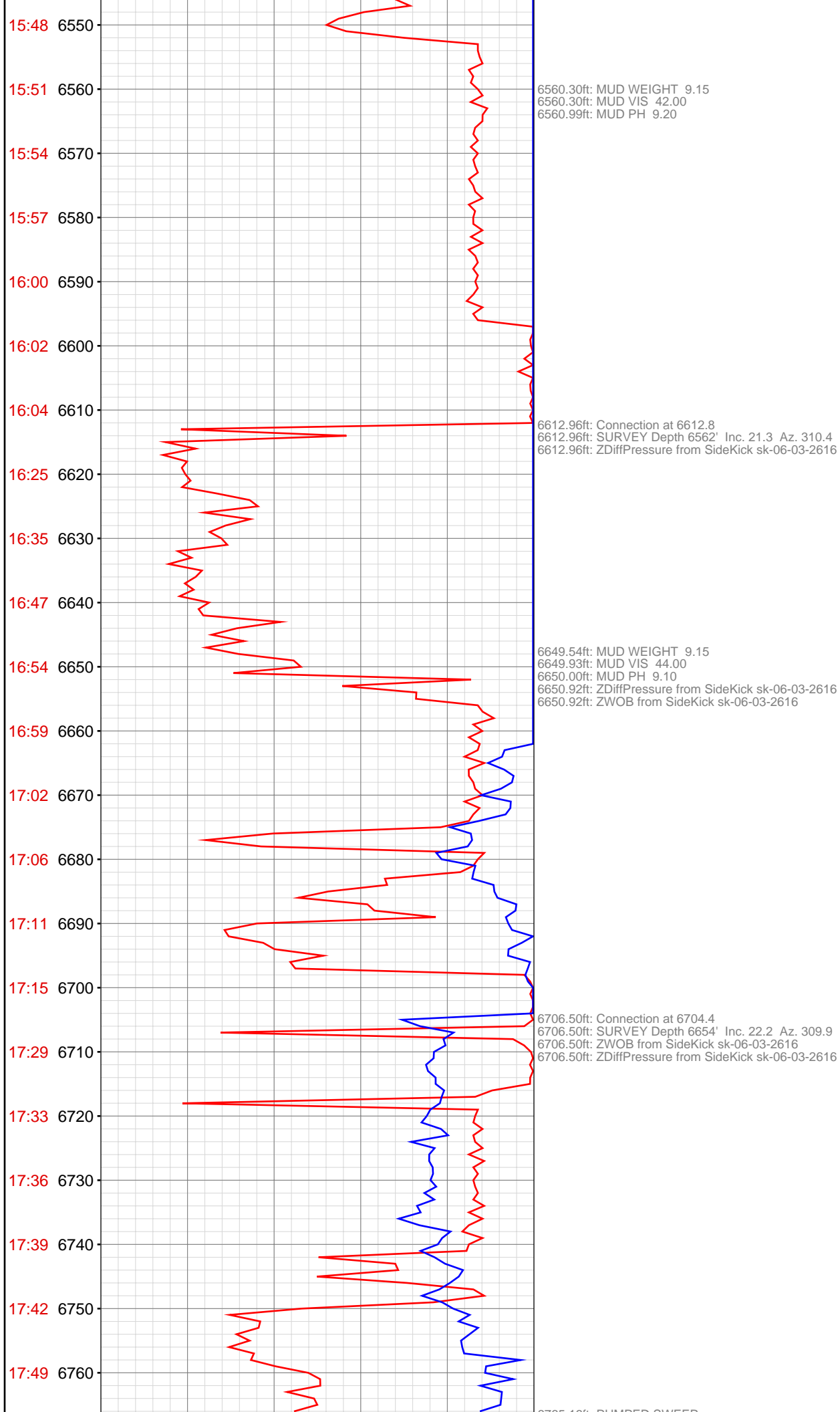
15:45 6540

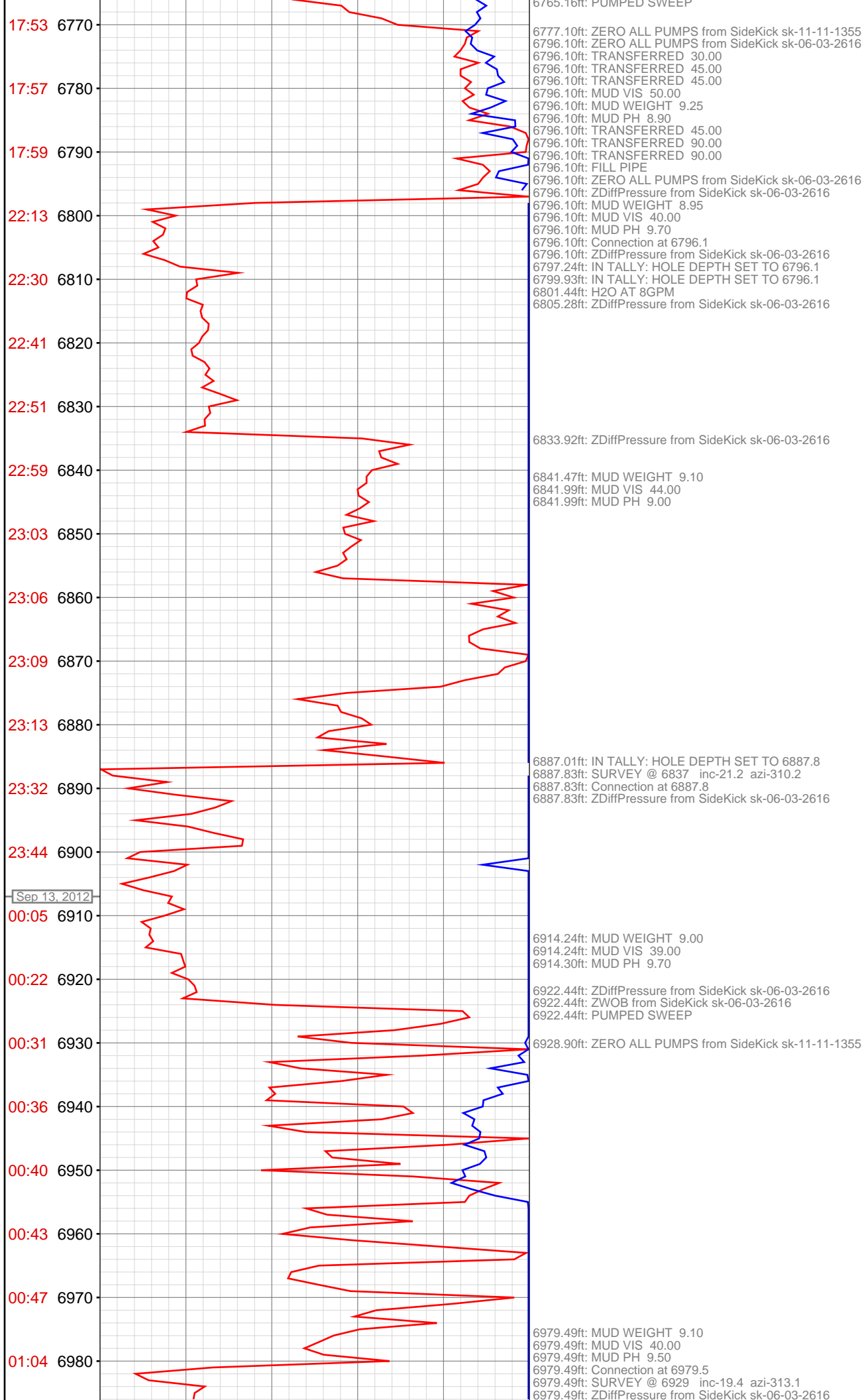
6345.31ft: SURVEY Depth 6288' Inc. 21.1 Az. 307.1
6345.31ft: MUD WEIGHT 9.20
6345.31ft: MUD VIS 43.00
6345.31ft: MUD PH 9.10
6345.31ft: Connection at 6338.0
6345.31ft: ZDiffPressure from SideKick sk-06-03-2616

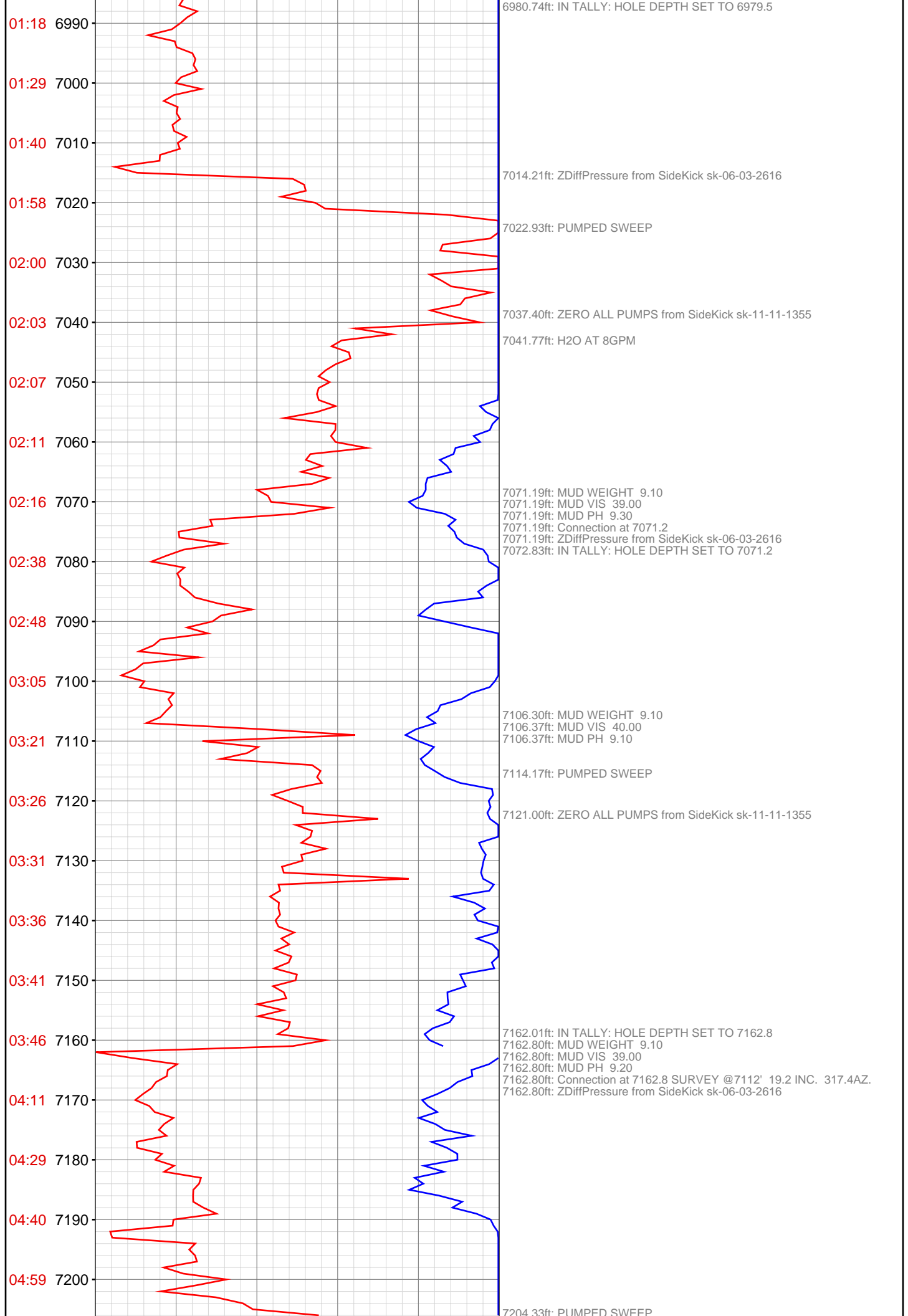
6384.48ft: ZDiffPressure from SideKick sk-06-03-2616
6384.48ft: ZWOB from SideKick sk-06-03-2616

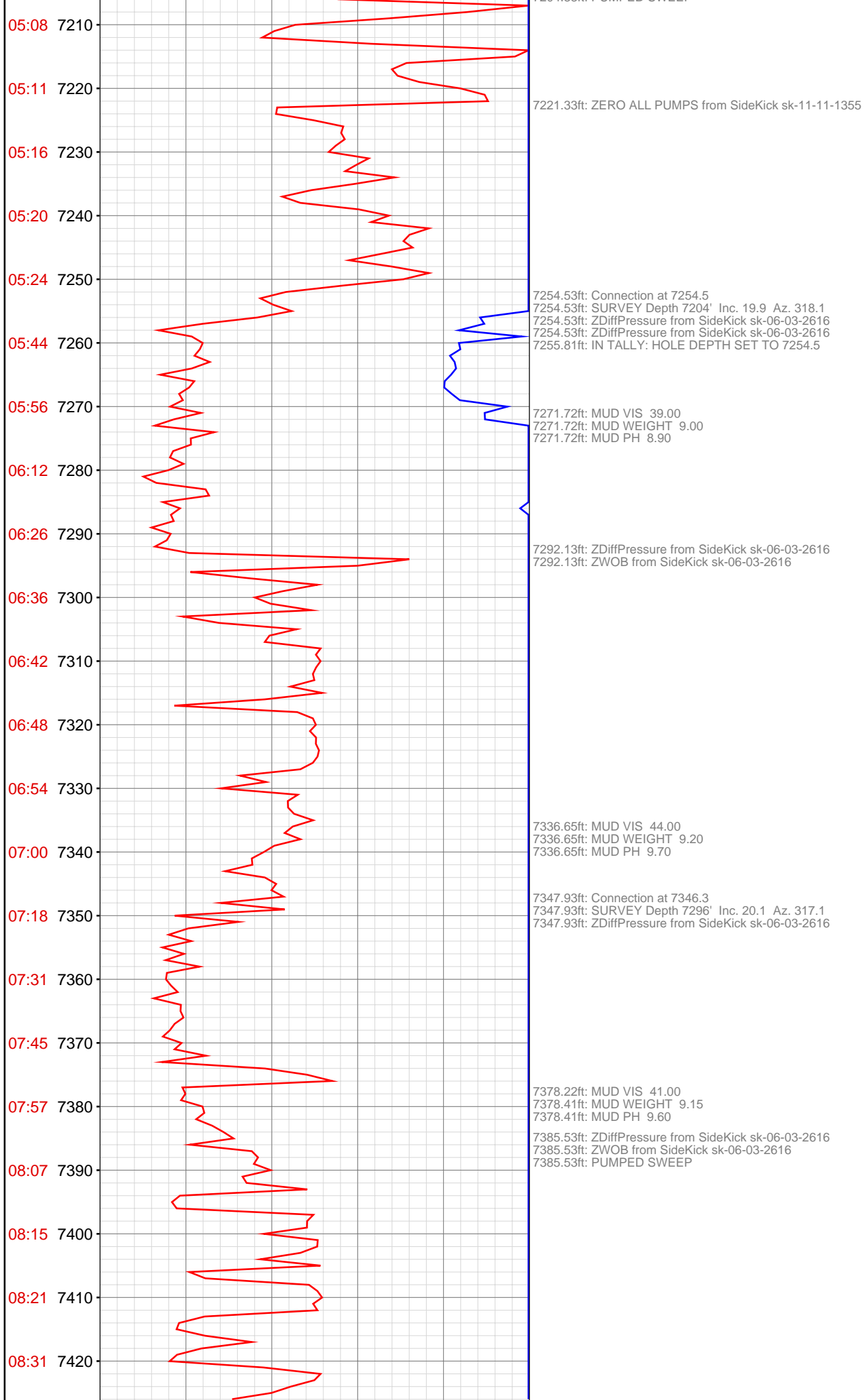
6439.63ft: MUD WEIGHT 9.20
6439.63ft: MUD VIS 43.00
6439.63ft: MUD PH 9.30
6439.63ft: SURVEY Depth 6379' Inc. 23.6 Az. 308.2
6439.63ft: Connection at 6429.5
6439.63ft: ZWOB from SideKick sk-06-03-2616
6439.63ft: ZDiffPressure from SideKick sk-06-03-2616
6441.31ft: PUMPED SWEEP

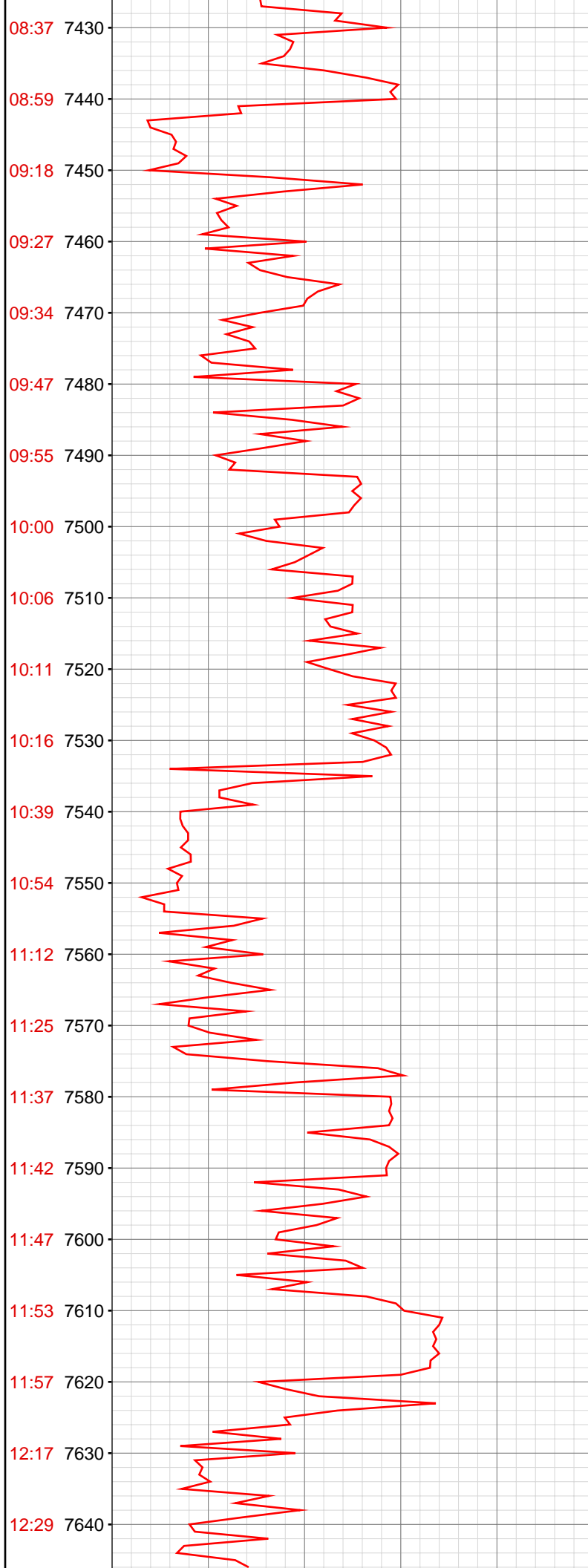
6532.78ft: MUD WEIGHT 9.20
6532.78ft: MUD VIS 42.00
6532.78ft: MUD PH 9.20
6532.78ft: SURVEY Depth 6471' Inc. 23.5 Az. 309.9
6532.78ft: Connection at 6521.2
6532.78ft: ZDiffPressure from SideKick sk-06-03-2616
6532.78ft: ZWOB from SideKick sk-06-03-2616
6534.28ft: IN TALLY: HOLE DEPTH SET TO 6521.2











7440.35ft: SURVEY Depth 7387' Inc. 20.7 Az. 315.8
7440.35ft: Connection at 7437.9
7440.35ft: ZDiffPressure from SideKick sk-06-03-2616
7445.54ft: MUD VIS 41.00
7445.54ft: MUD WEIGHT 9.10
7445.54ft: MUD PH 9.30

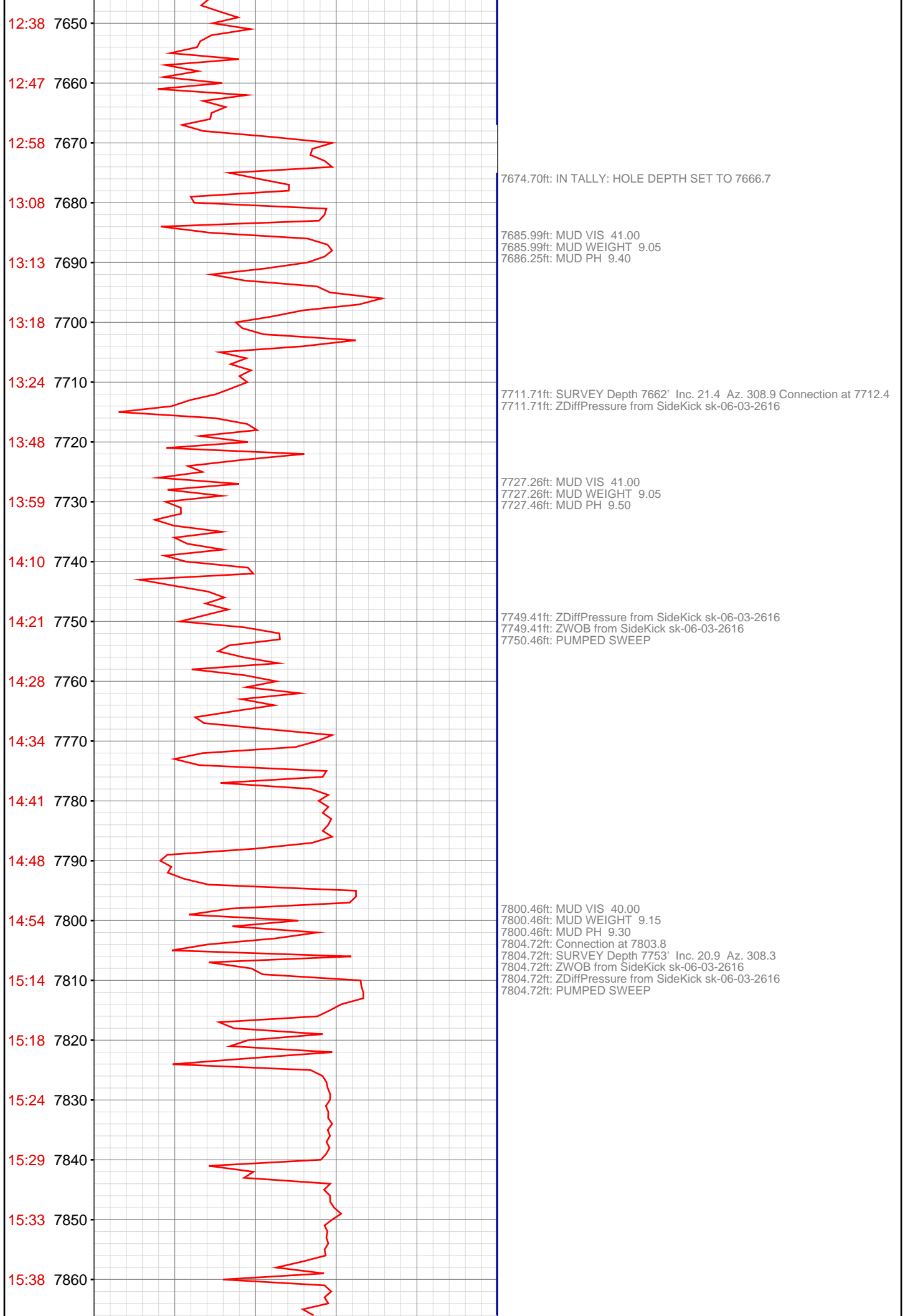
7478.48ft: ZDiffPressure from SideKick sk-06-03-2616
7478.48ft: ZWOB from SideKick sk-06-03-2616
7481.76ft: PUMPED SWEEP

7533.27ft: Connection at 7529.6
7533.27ft: MUD VIS 39.00
7533.27ft: MUD WEIGHT 9.00
7533.27ft: MUD PH 9.10
7533.27ft: SURVEY Depth 7479' Inc. 20.6 Az. 314.6
7533.27ft: ZDiffPressure from SideKick sk-06-03-2616

7552.03ft: MUD VIS 44.00
7552.03ft: MUD WEIGHT 9.15
7552.03ft: MUD PH 9.10

7572.70ft: ZDiffPressure from SideKick sk-06-03-2616
7572.70ft: ZWOB from SideKick sk-06-03-2616

7626.51ft: Connection at 7621.1
7626.51ft: SURVEY Depth 7571' Inc. 21.0 Az. 310.5
7626.51ft: ZDiffPressure from SideKick sk-06-03-2616
7632.19ft: MUD VIS 44.00
7632.38ft: MUD WEIGHT 9.15
7632.38ft: MUD PH 9.70



15:43 7870

15:52 7880

15:58 7890

16:46 7900

16:50 7910

16:55 7920

17:02 7930

17:10 7940

17:16 7950

17:24 7960

17:29 7970

17:34 7980

17:39 7990

Sep 14, 2012

07:44 8000

07:52 8010

07:59 8020

08:05 8030

08:11 8040

08:49 8050

08:58 8060

09:04 8070

09:23 8080

7889.08ft: MUD VIS 39.00
7889.30ft: MUD WEIGHT 9.05
7889.30ft: MUD PH 9.30

7897.93ft: SURVEY Depth 7845' Inc. 18.9 Az. 308.7
7897.93ft: Connection at 7895.4
7897.93ft: ZWOB from SideKick sk-06-03-2616
7897.93ft: ZDiffPressure from SideKick sk-06-03-2616

7929.46ft: MUD VIS 45.00
7929.46ft: MUD WEIGHT 9.15
7929.46ft: MUD PH 9.40
7986.84ft: PUMPED SWEEP
7986.84ft: ZERO ALL PUMPS from SideKick sk-11-11-1355
7986.84ft: MUD VIS 45.00

7986.84ft: MUD WEIGHT 9.15
7986.84ft: MUD PH 9.10
7986.84ft: FILL TRIP TANK
7986.84ft: FLOW CHECK
7986.84ft: NO FLOW/START PUMP DRY PILL

7986.84ft: MUD VIS 45.00
7986.84ft: MUD WEIGHT 9.15
7986.84ft: MUD PH 8.90
7986.84ft: PUMP CELLAR

7986.84ft: REFILL TRIP TANK
7986.84ft: REFILL TRIP TANK
7986.84ft: MUD VIS 46.00
7986.84ft: MUD WEIGHT 9.20

7986.84ft: MUD PH 8.90
7986.84ft: FLOW CHECK
7986.84ft: NO FLOW--REMOVE ROT HEAD
7986.84ft: MUD VIS 44.00

7986.84ft: MUD WEIGHT 9.20
7986.84ft: MUD PH 9.00
7986.84ft: FUNC BLIND AND PIPE RAMS
7986.84ft: MUD WEIGHT 9.35

7986.84ft: MUD VIS 40.00
7986.84ft: MUD PH 9.90
7986.84ft: FILL PIPE
7986.84ft: BIT DEPTH CHANGED TO 2448.0 FEET

7986.84ft: MUD WEIGHT 9.25
7986.84ft: MUD VIS 40.00
7986.84ft: MUD PH 9.60
7986.84ft: MUD VIS 44.00

7986.84ft: MUD WEIGHT 9.15
7986.84ft: MUD PH 9.50
7986.84ft: BIT DEPTH CHANGED TO 3593.0 FEET
7986.84ft: FILL PIPE /BREAK CIRC

7986.84ft: ZERO ALL PUMPS from SideKick sk-06-03-2616
7986.84ft: MUD VIS 44.00
7986.84ft: MUD WEIGHT 9.30
7986.84ft: MUD PH 9.10

7986.84ft: MUD VIS 45.00
7986.84ft: MUD WEIGHT 9.35
7986.84ft: MUD PH 10.50
7986.84ft: ZDiffPressure from SideKick sk-06-03-2616

7986.84ft: ZWOB from SideKick sk-06-03-2616
7986.84ft: BIT DEPTH CHANGED TO 7895.3 FEET
7986.84ft: Connection at 7986.7
7986.84ft: ZERO ALL PUMPS from SideKick sk-06-03-2616

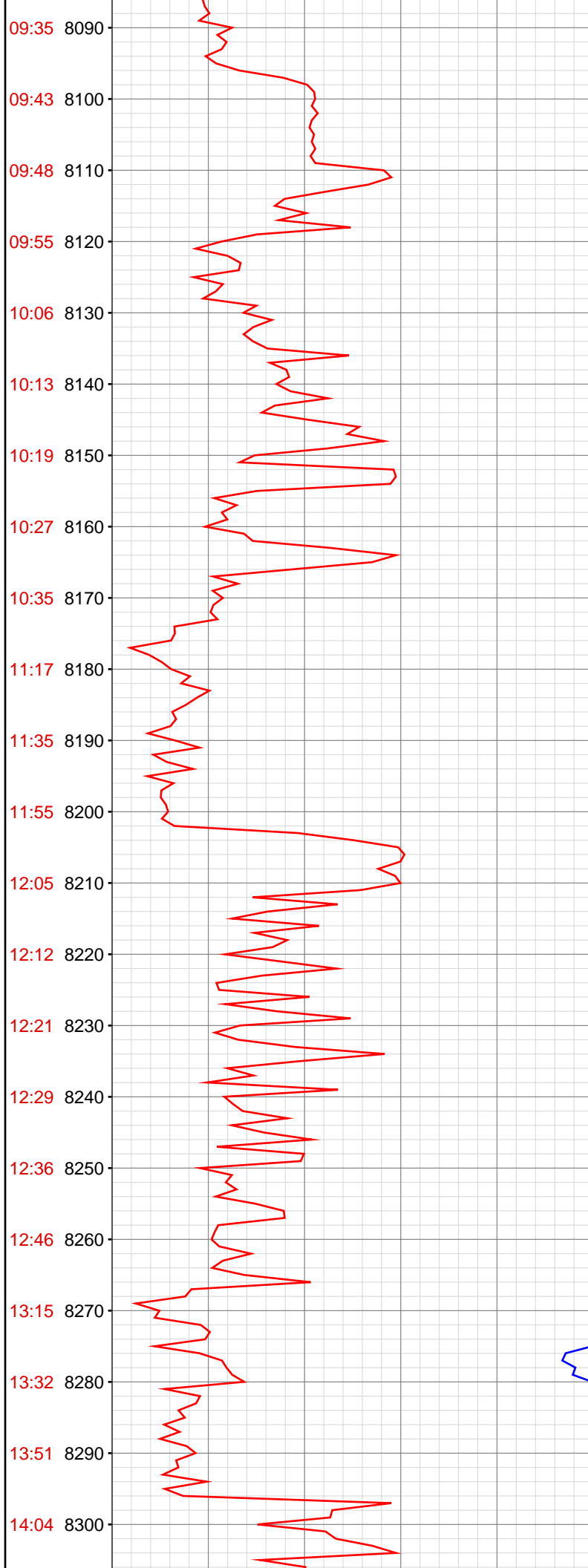
7986.84ft: ZWOB from SideKick sk-06-03-2616
7986.84ft: ZDiffPressure from SideKick sk-06-03-2616
7990.22ft: ZDiffPressure from SideKick sk-06-03-2616
7991.17ft: SURVEY @ 7936 inc-18.3 azi-308.3

7991.17ft: IN TALLY: HOLE DEPTH SET TO 7986.8
8014.63ft: MUD VIS 44.00
8014.63ft: MUD WEIGHT 9.40
8014.90ft: MUD PH 10.40

8044.42ft: ZDiffPressure from SideKick sk-06-03-2616
8044.42ft: ZWOB from SideKick sk-06-03-2616

8053.81ft: MUD VIS 45.00
8053.81ft: MUD WEIGHT 9.35
8054.00ft: MUD PH 10.10

8080.22ft: Connection at 8078.4
8080.22ft: SURVEY Depth 8028' Inc. 17.5 Az. 310.0
8080.22ft: ZWOB from SideKick sk-06-03-2616
8080.22ft: ZDiffPressure from SideKick sk-06-03-2616



8120.34ft: MUD VIS 43.00
8120.34ft: MUD WEIGHT 9.25
8120.34ft: MUD PH 9.50

8173.52ft: Connection at 8170.0
8173.52ft: SURVEY Depth 8120' Inc. 16.5 Az. 308.3
8173.52ft: ZDiffPressure from SideKick sk-06-03-2616
8176.25ft: MUD VIS 41.00
8176.25ft: MUD WEIGHT 9.25
8176.25ft: MUD PH 9.80

8201.35ft: ZDiffPressure from SideKick sk-06-03-2616
8201.35ft: ZWOB from SideKick sk-06-03-2616

8266.57ft: Connection at 8261.9
8266.57ft: MUD WEIGHT 9.30
8266.57ft: MUD VIS 42.00
8266.57ft: MUD PH 9.50
8266.57ft: SURVEY Depth 8211' Inc. 13.7 Az. 308.5
8266.57ft: ZDiffPressure from SideKick sk-06-03-2616
8266.57ft: ZDiffPressure from SideKick sk-06-03-2616

