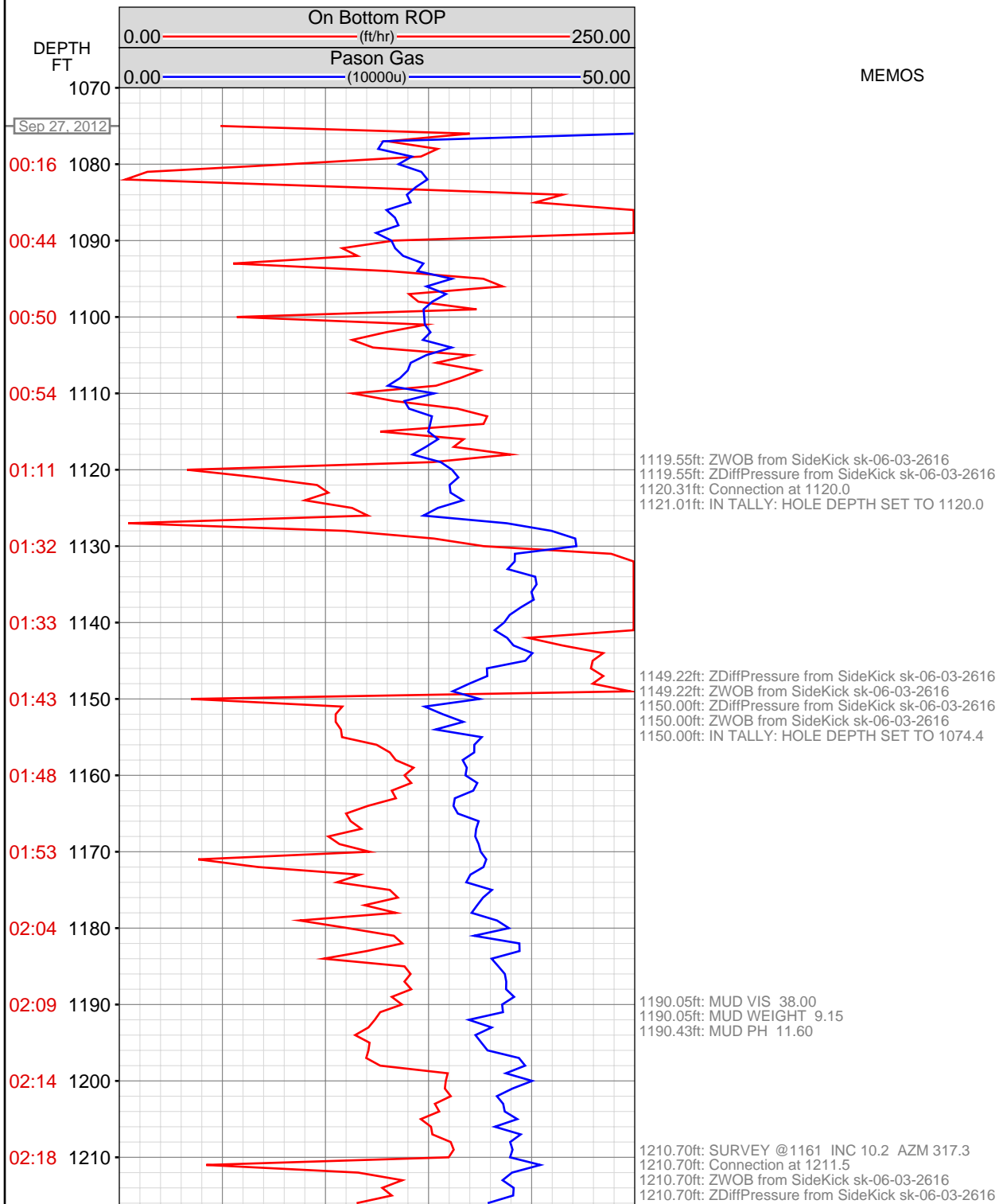


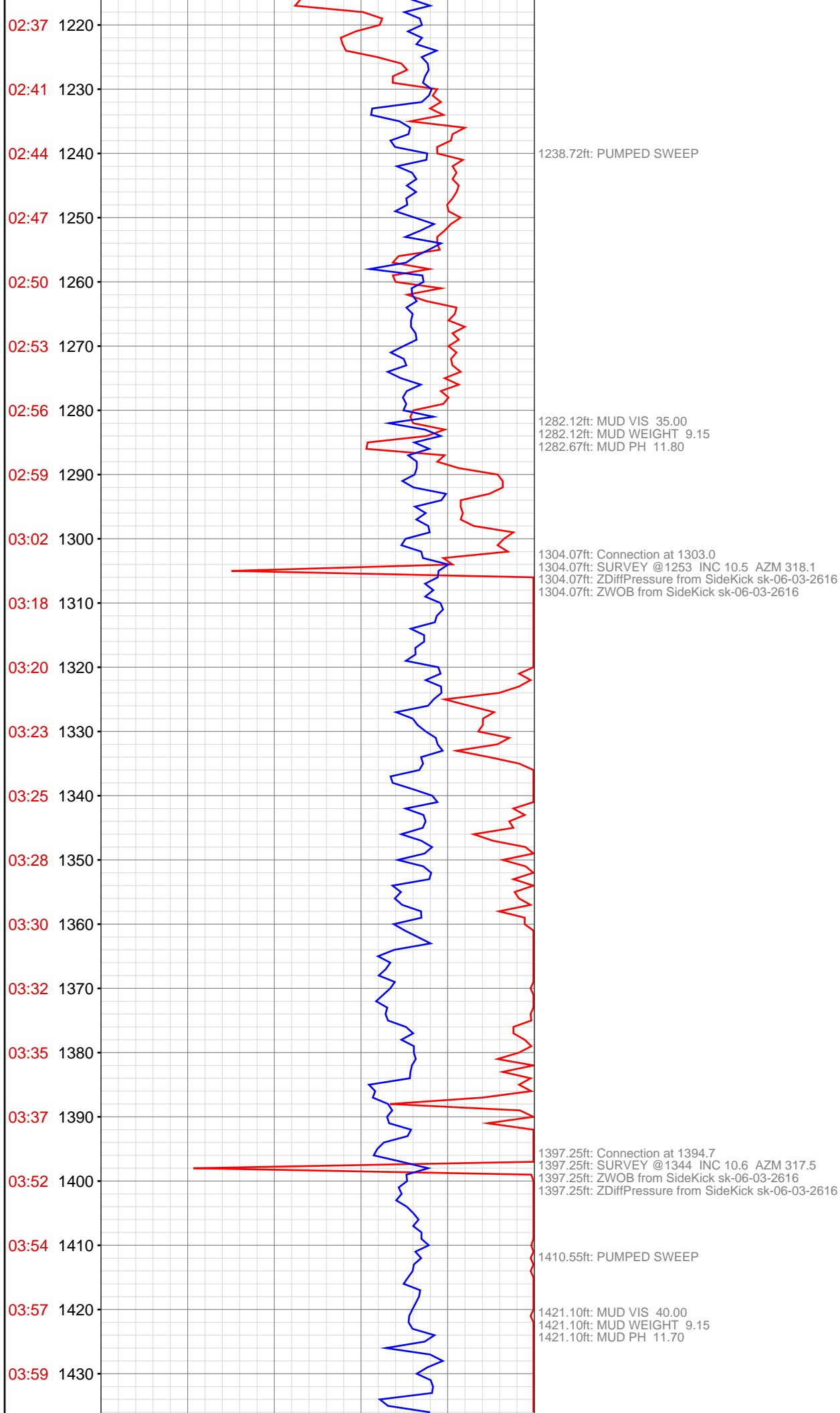
DataHub EDR Log

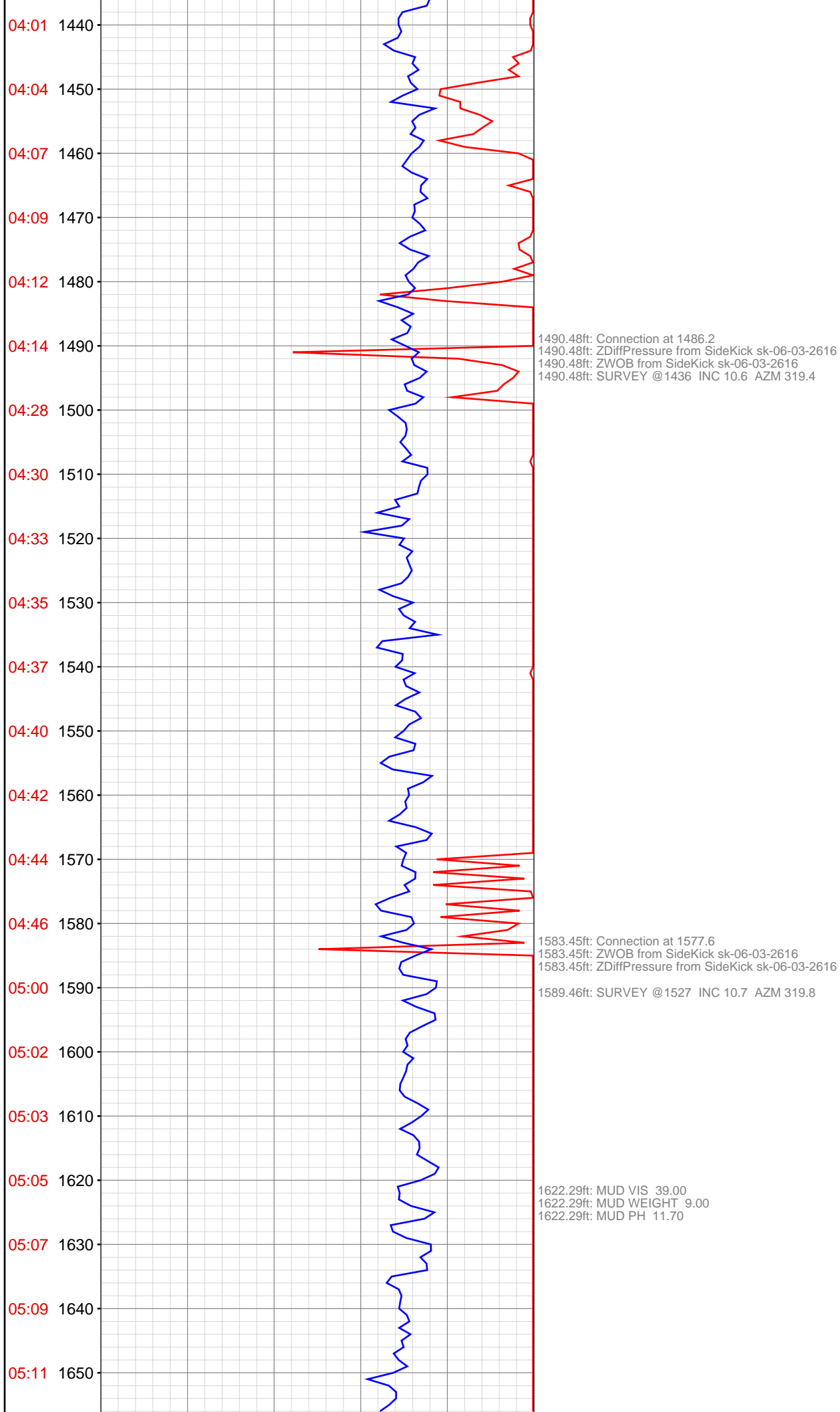
Mon Oct 08, 2012 10:16:24
Well Dossier 1348648732
Greg Veregin

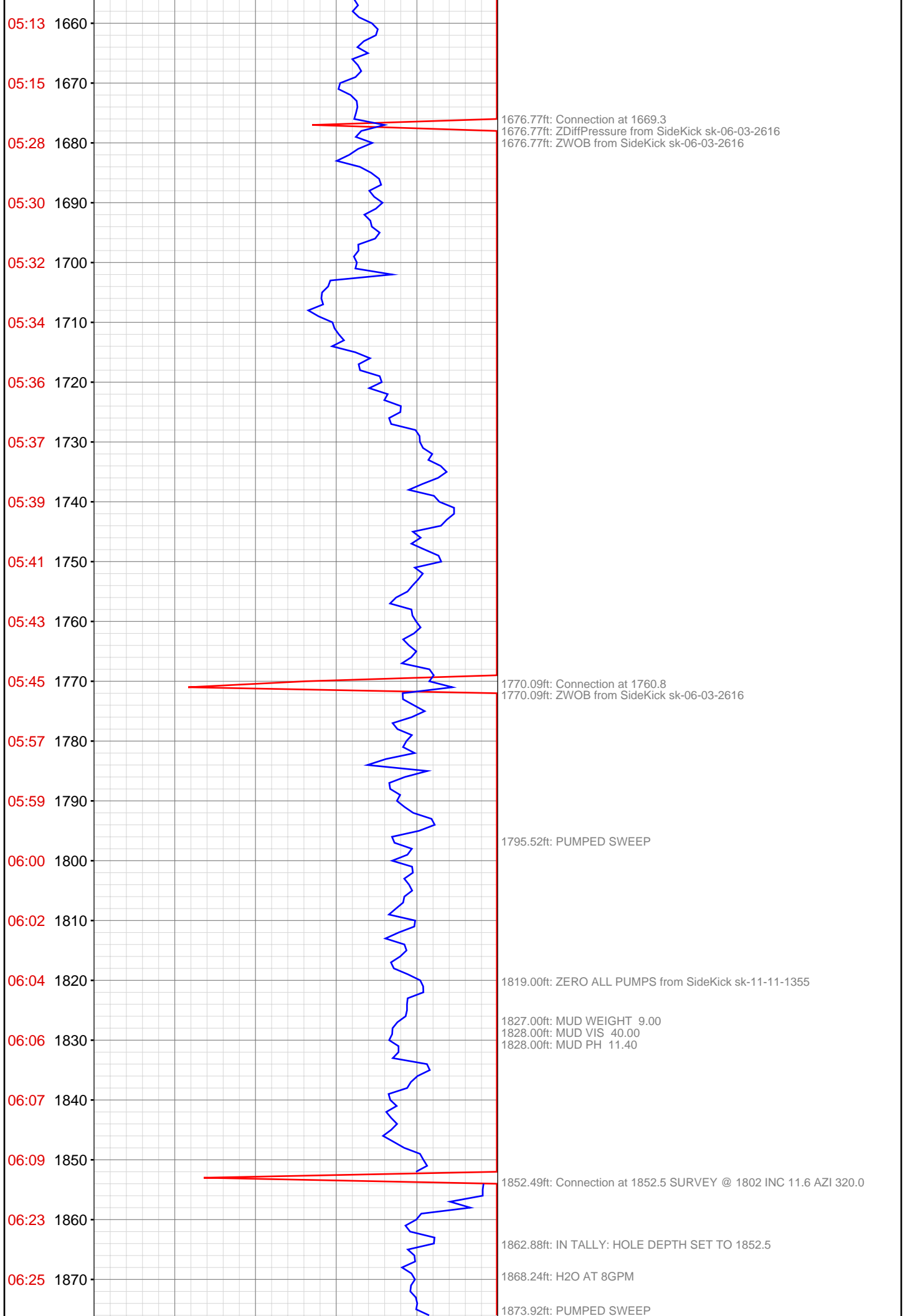
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: MCU fee 16-12C2
FIELD:
LOCATION: SEC.16 TWP 7S RNG 93 W
COUNTRY: USA
RIG: Pat-UTI 308

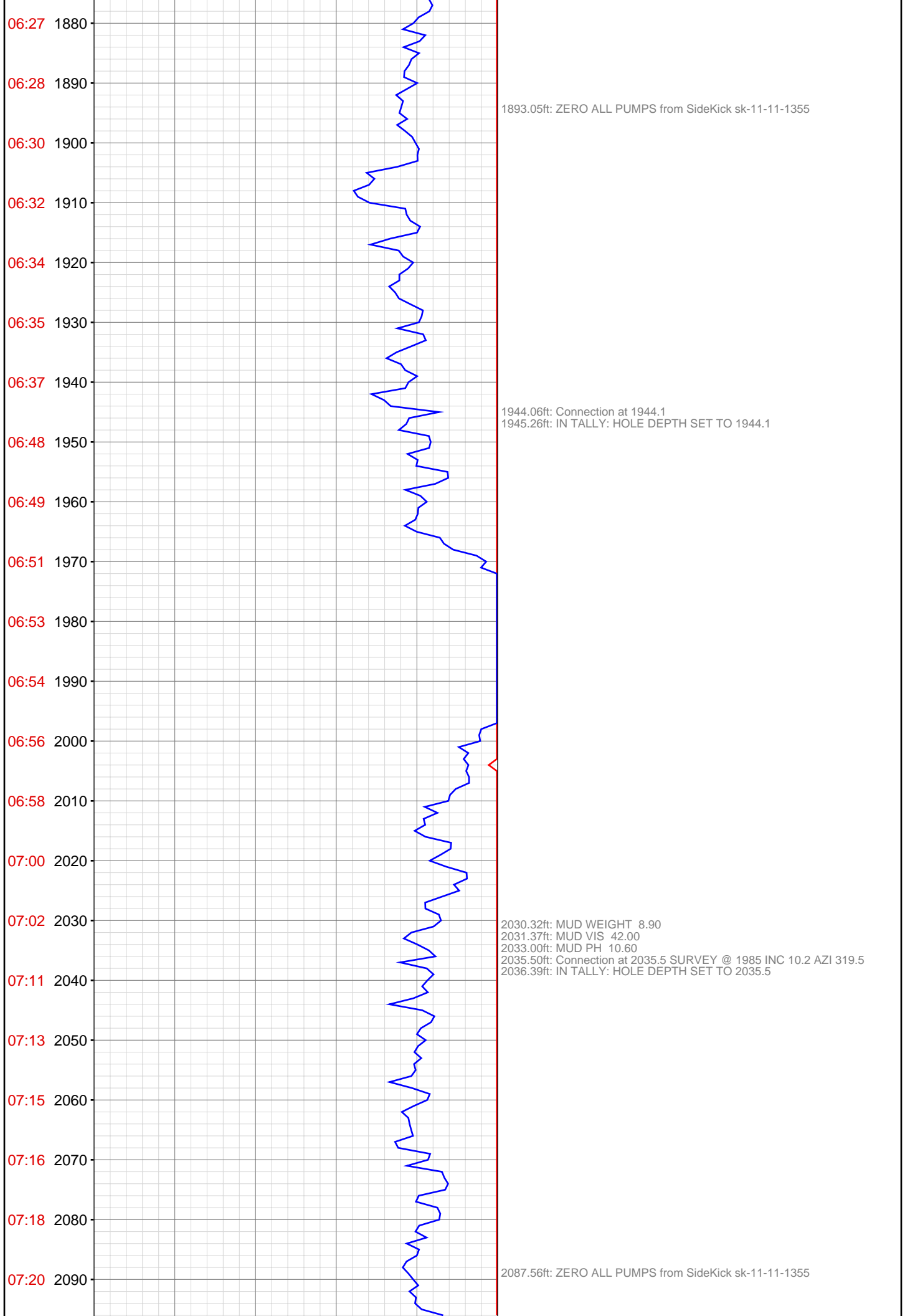
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05 045 20685 00
SPUD DATE: Sep 27, 2012 01:30
RELEASE DATE: Oct 06, 2012 09:30

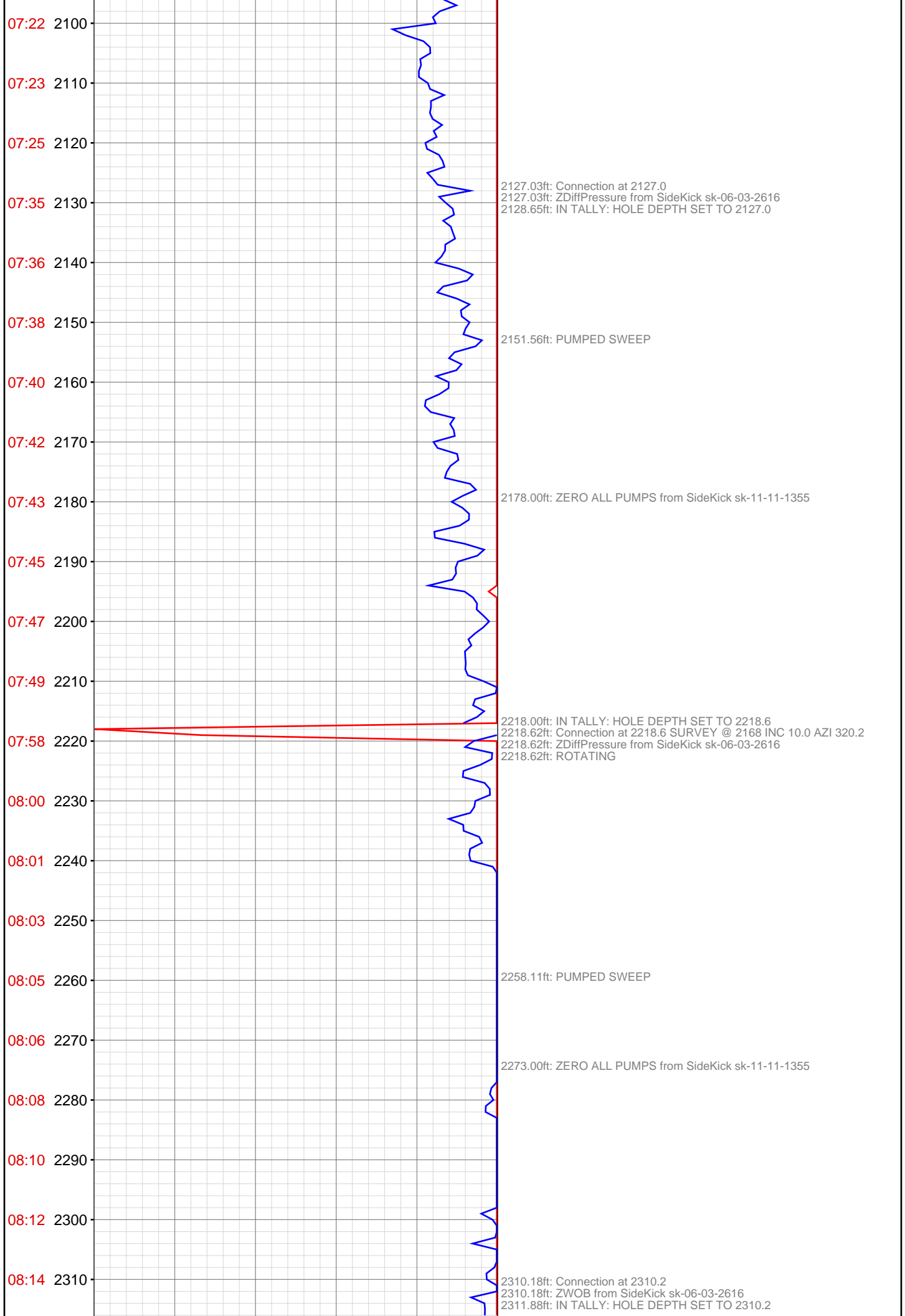


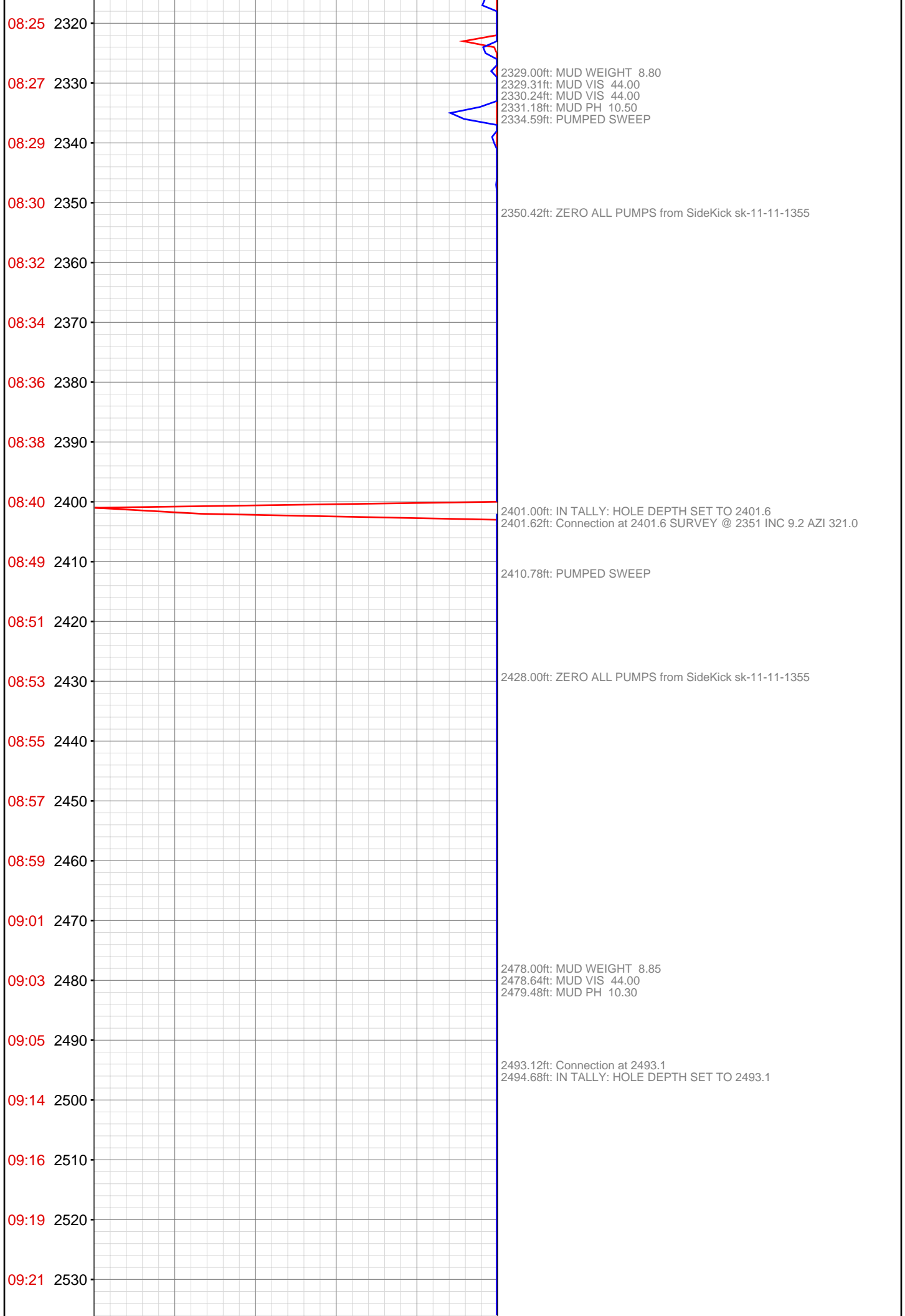


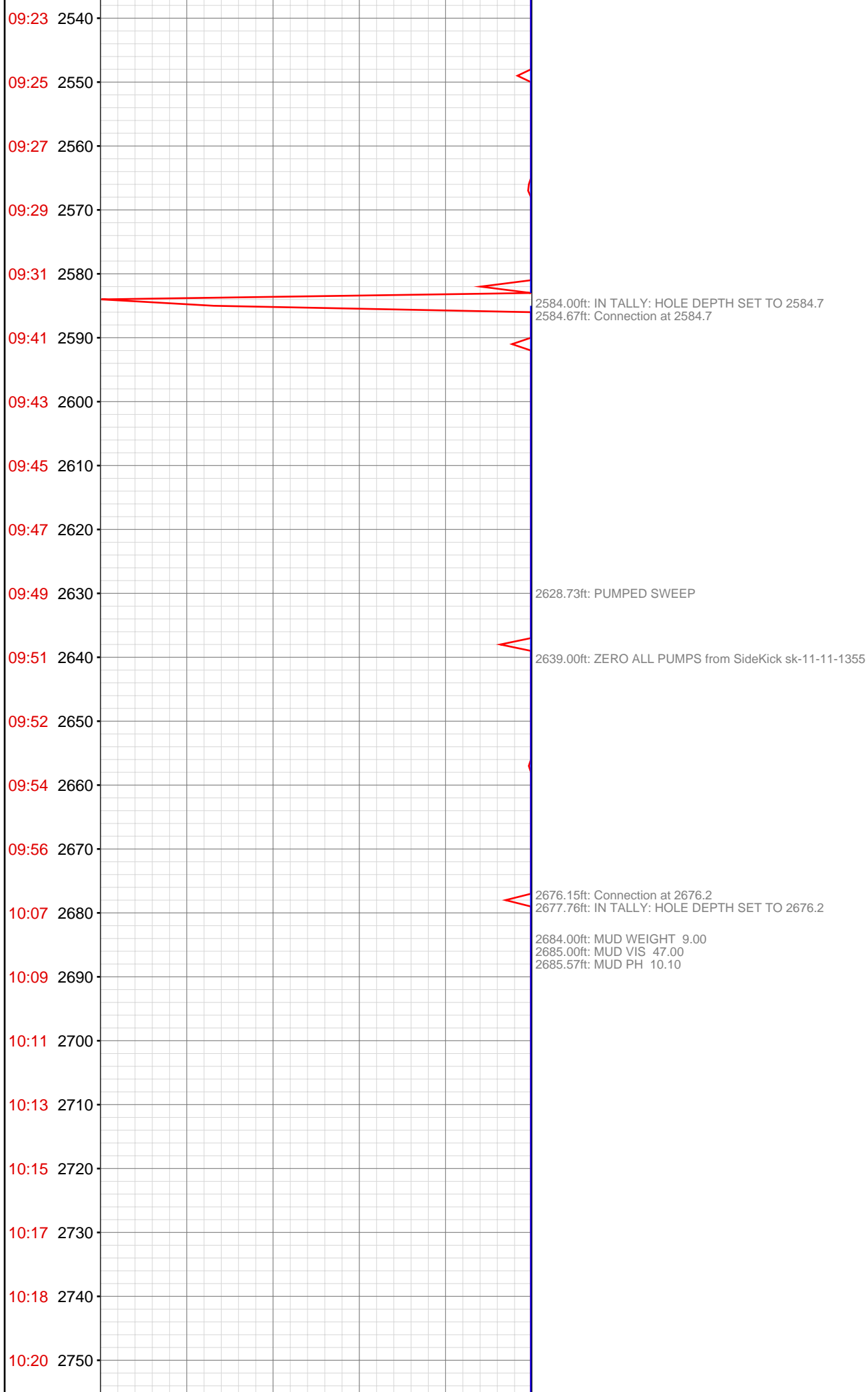


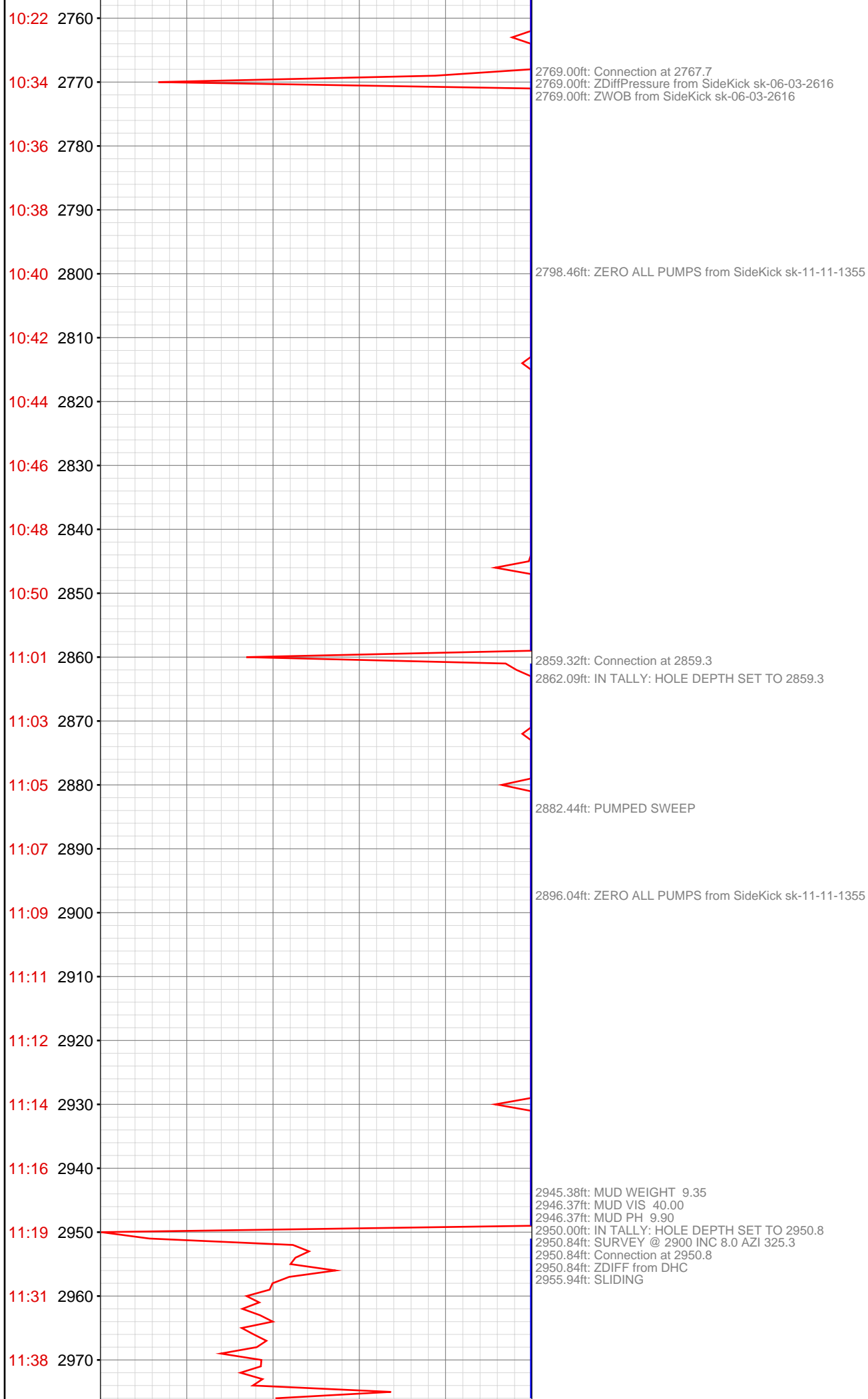


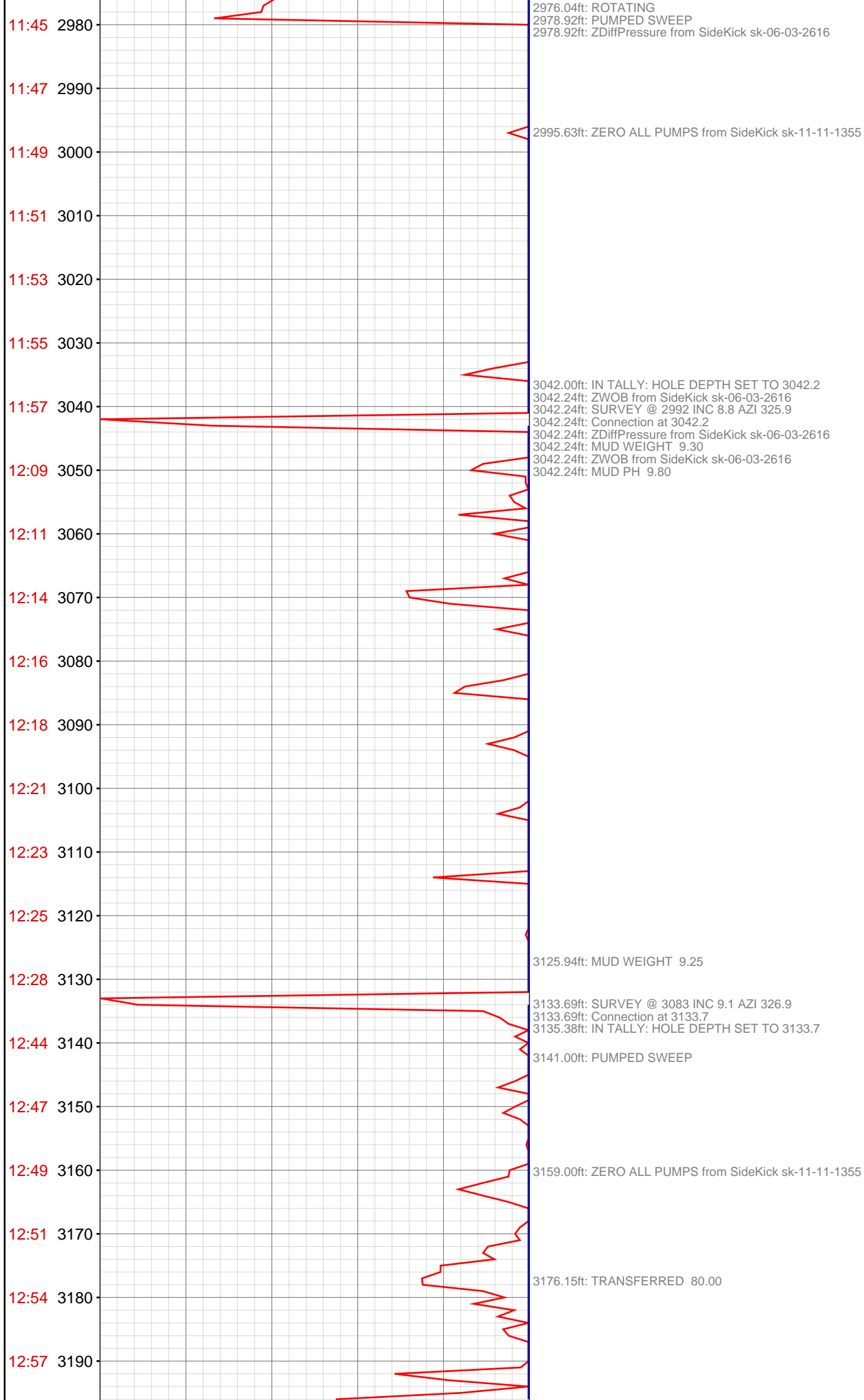


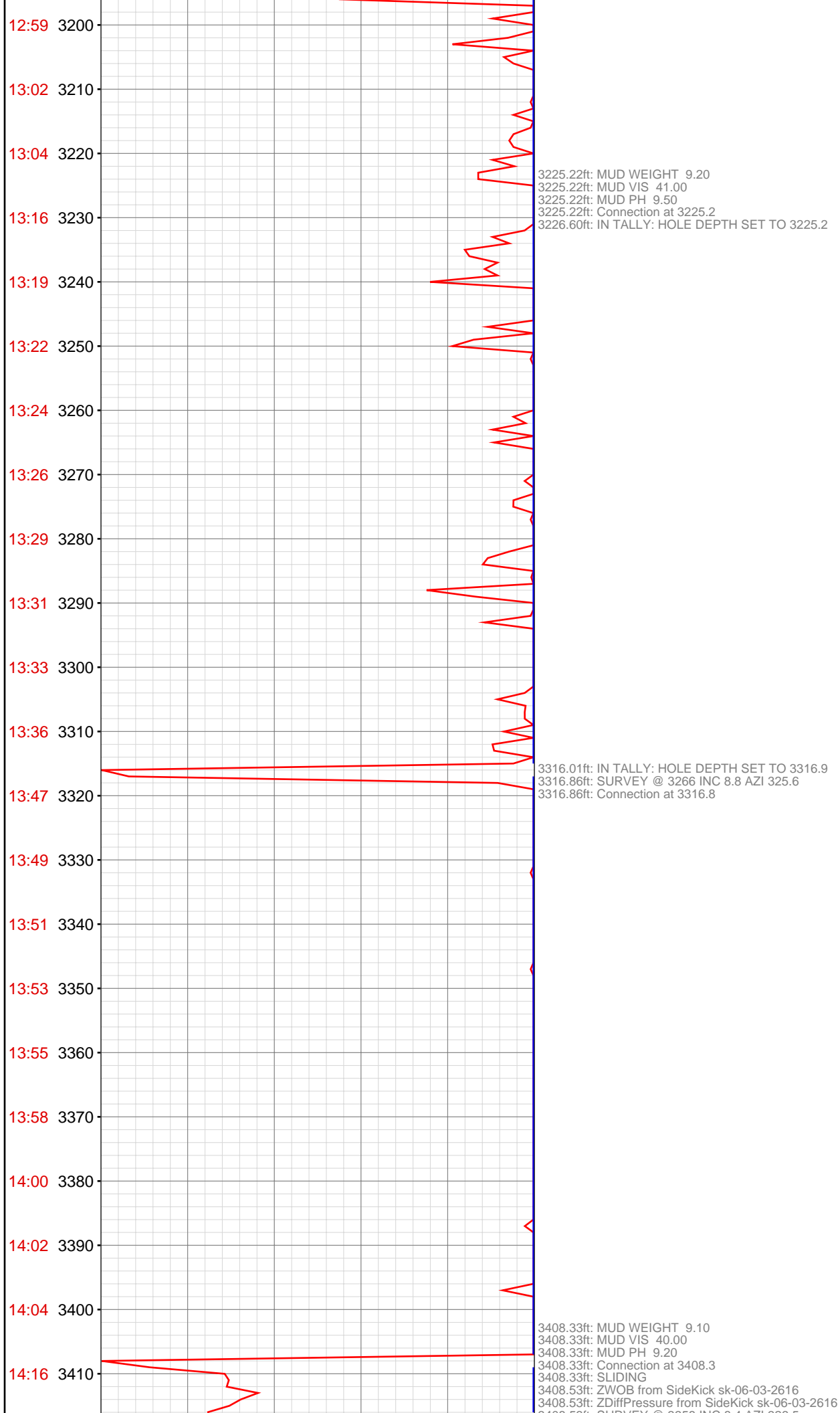












3408.53ft: SURVEY @ 3358 INC 8.4 AZI 326.5
3410.30ft: IN TALLY: HOLE DEPTH SET TO 3408.3

3435.04ft: ROTATING

3450.62ft: PUMPED SWEEP

3464.70ft: ZERO ALL PUMPS from SideKick sk-11-11-1355

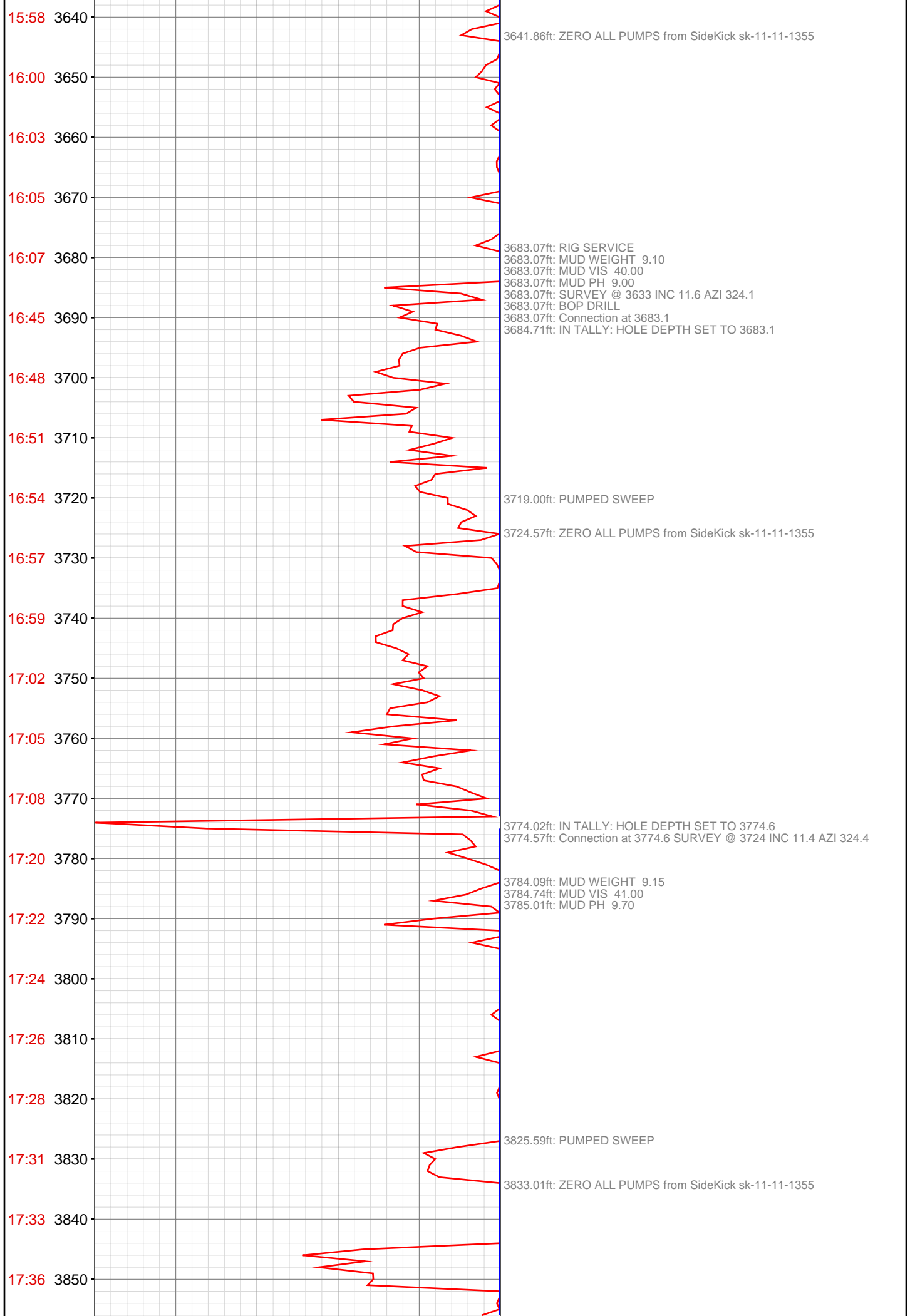
3500.03ft: SURVEY @ 3450 INC 10.5 AZI 326.1
3500.03ft: Connection at 3500.0
3501.61ft: IN TALLY: HOLE DEPTH SET TO 3500.0

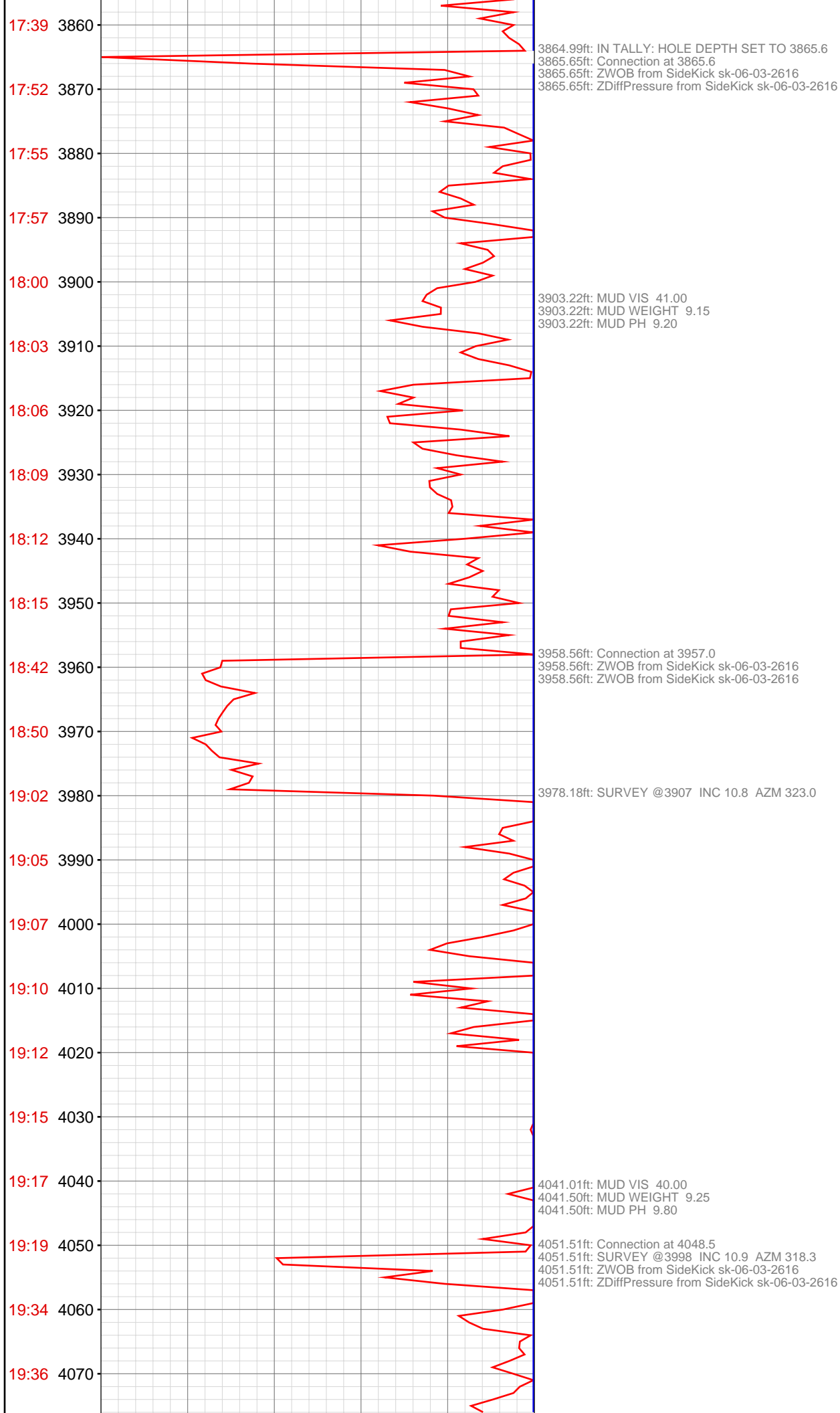
3552.30ft: MUD WEIGHT 9.10
3552.99ft: MUD PH 9.10
3554.00ft: MUD VIS 42.00

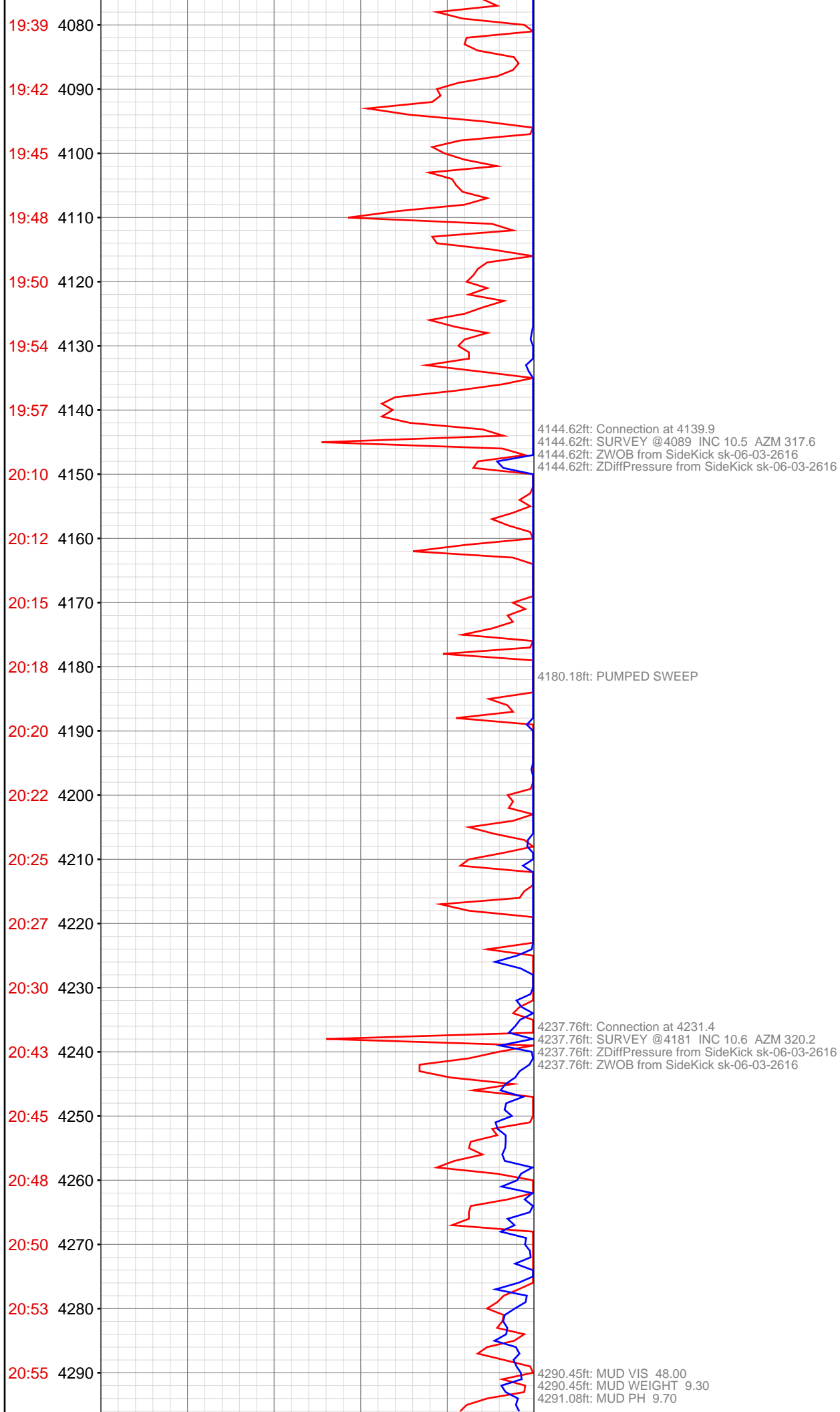
3591.63ft: SURVEY @3541' 9.8-INC. 325.5AZM.
3591.63ft: Connection at 3591.6
3592.68ft: IN TALLY: HOLE DEPTH SET TO 3591.6
3595.14ft: SLIDING

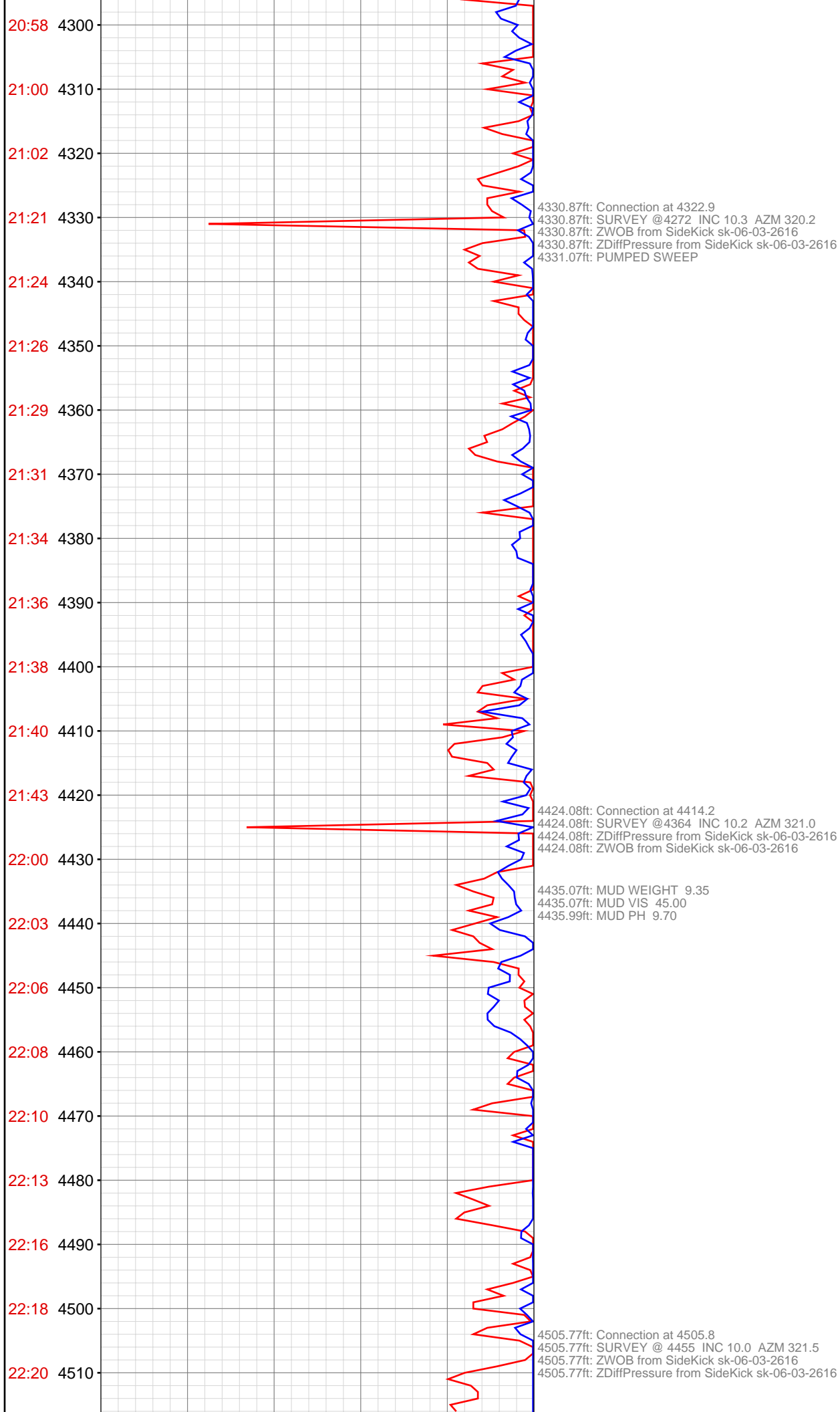
3613.52ft: ROTATING

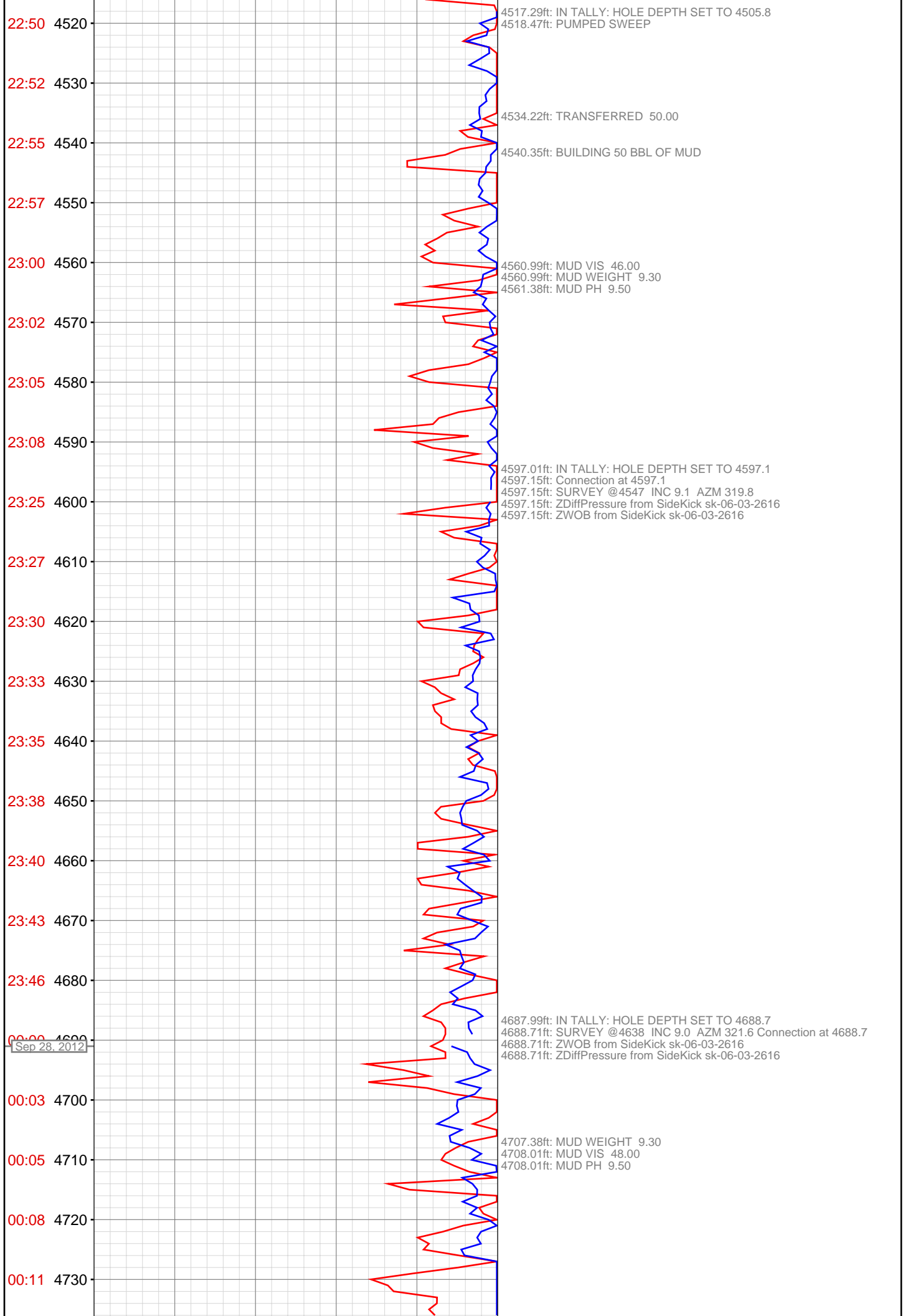
3633.89ft: PUMP CELLARS PUMPED SWEEP

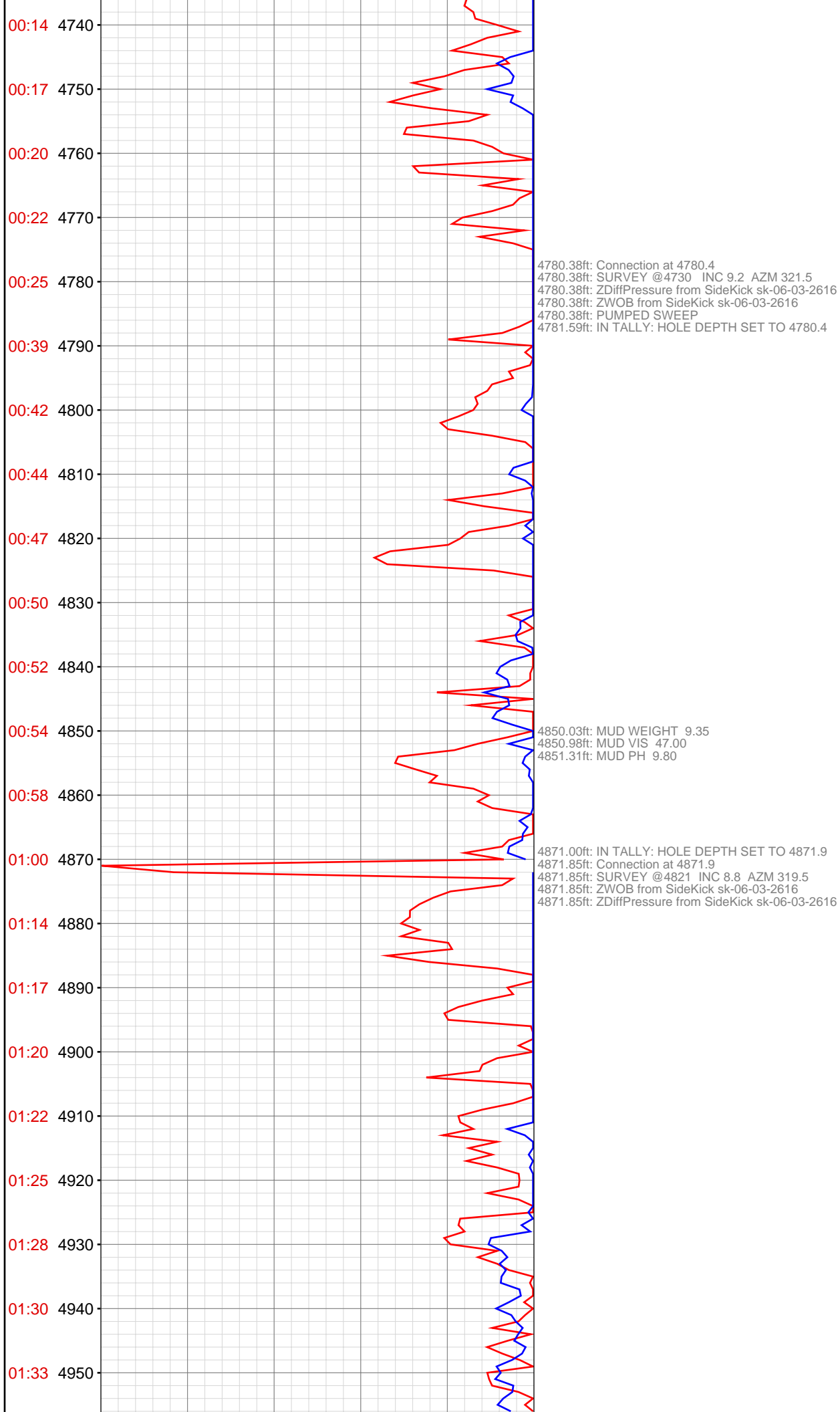


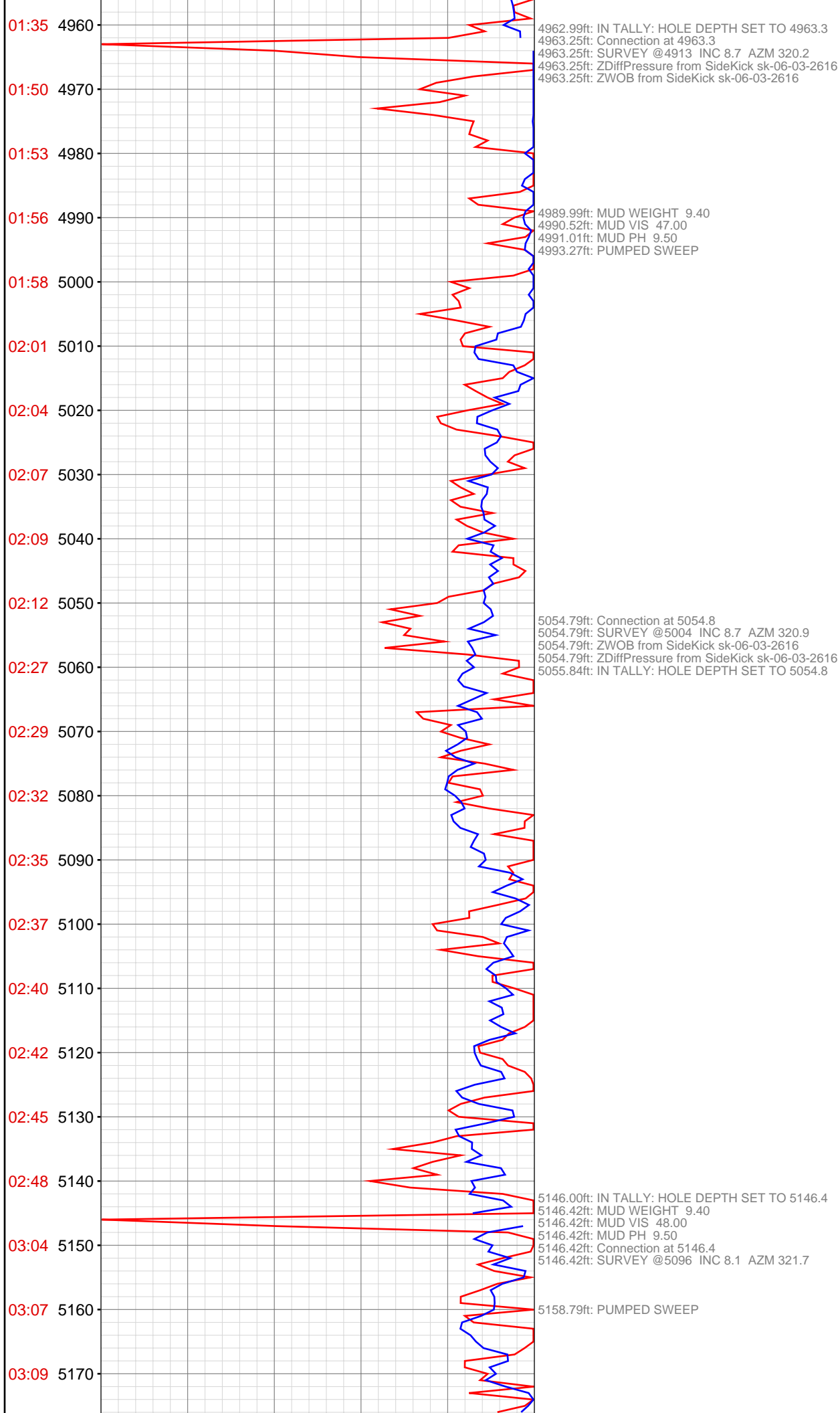


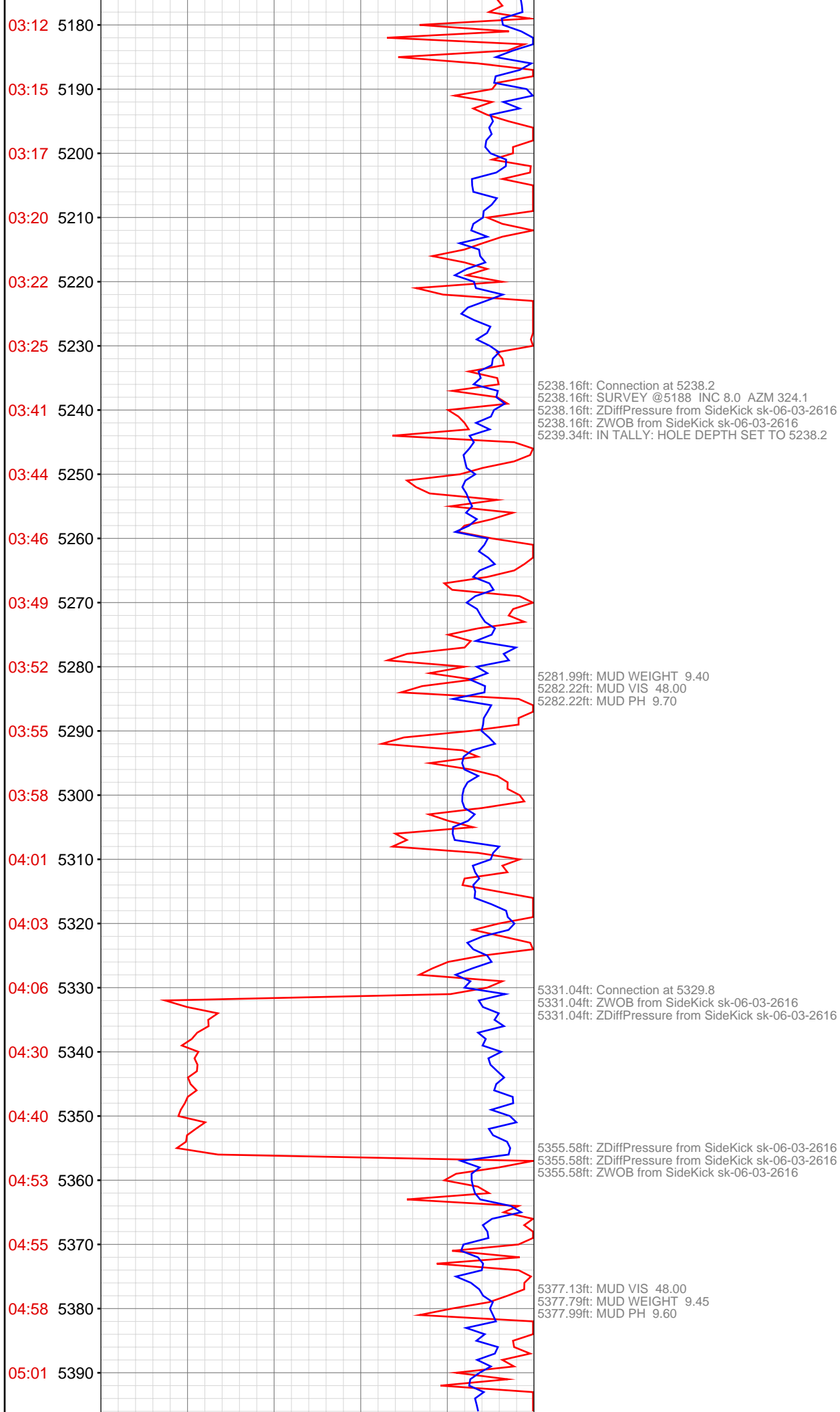


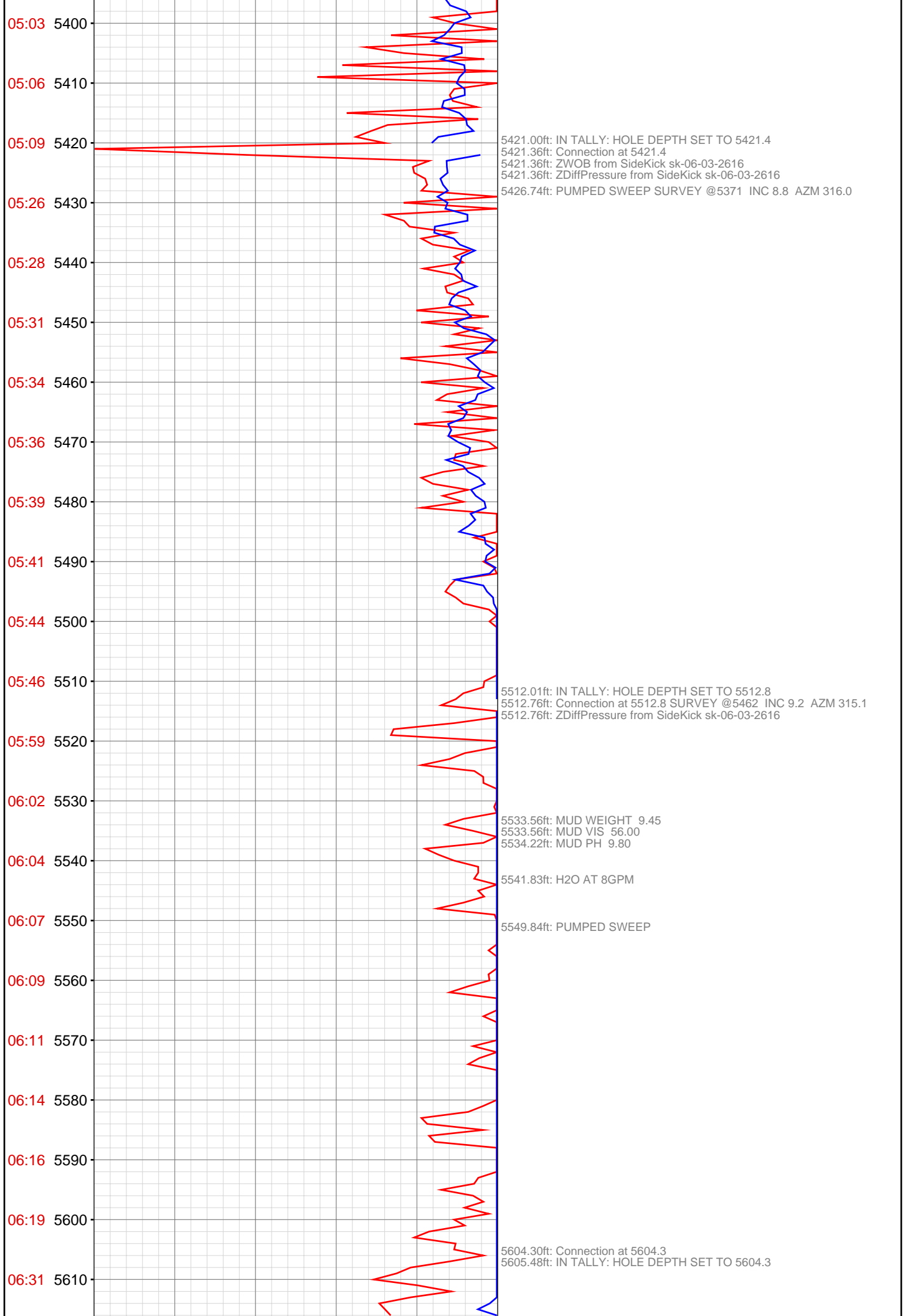


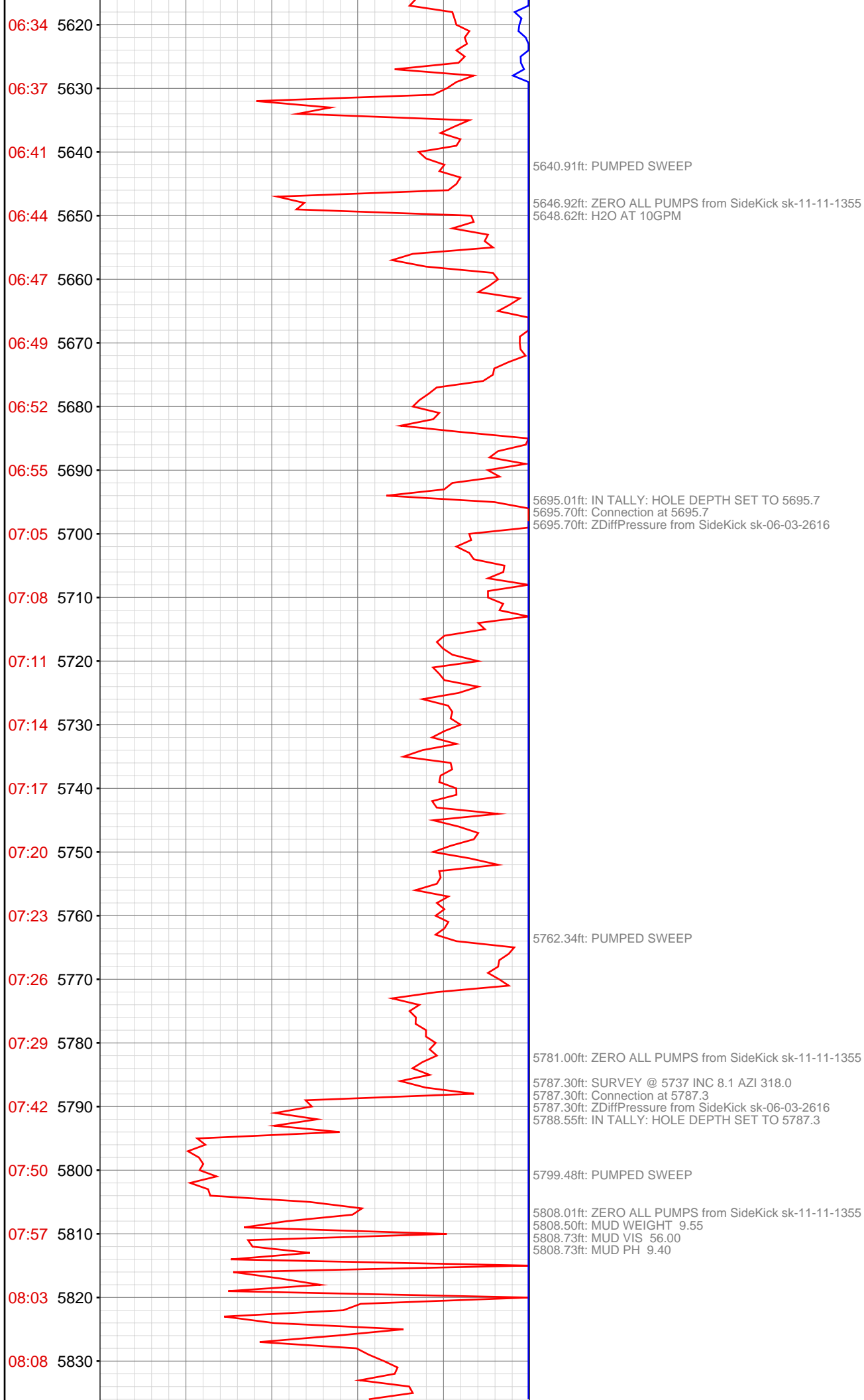


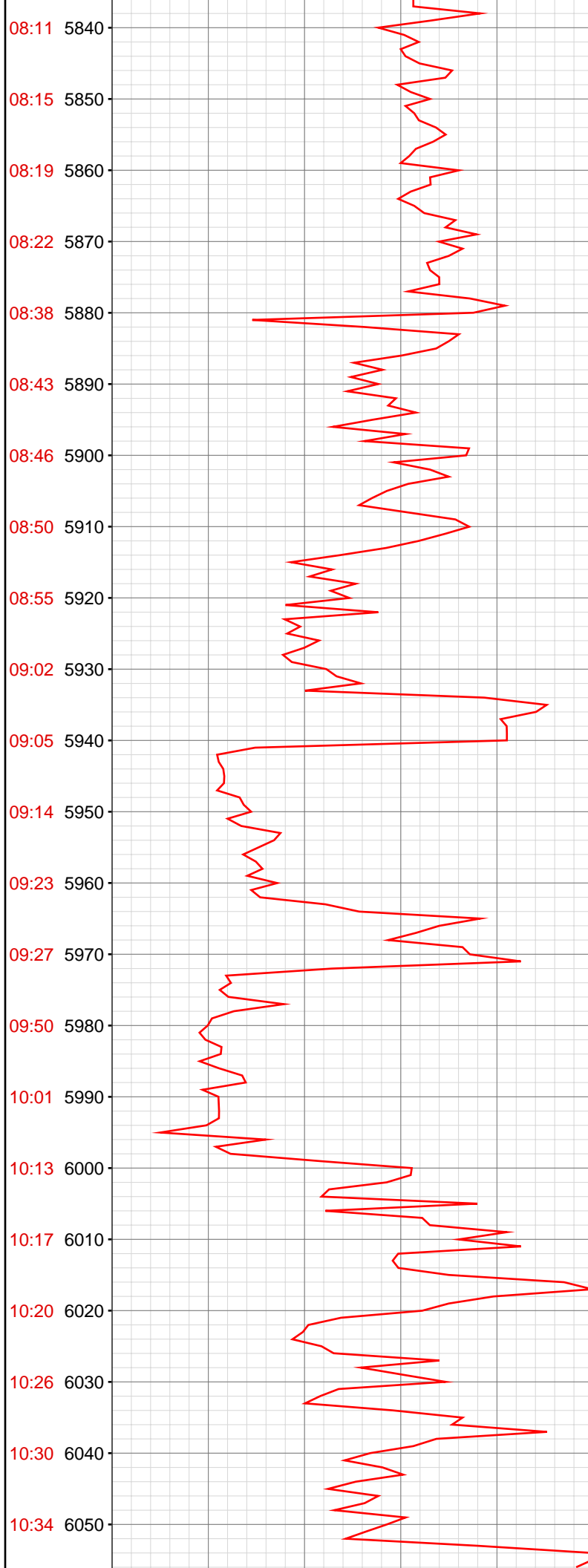










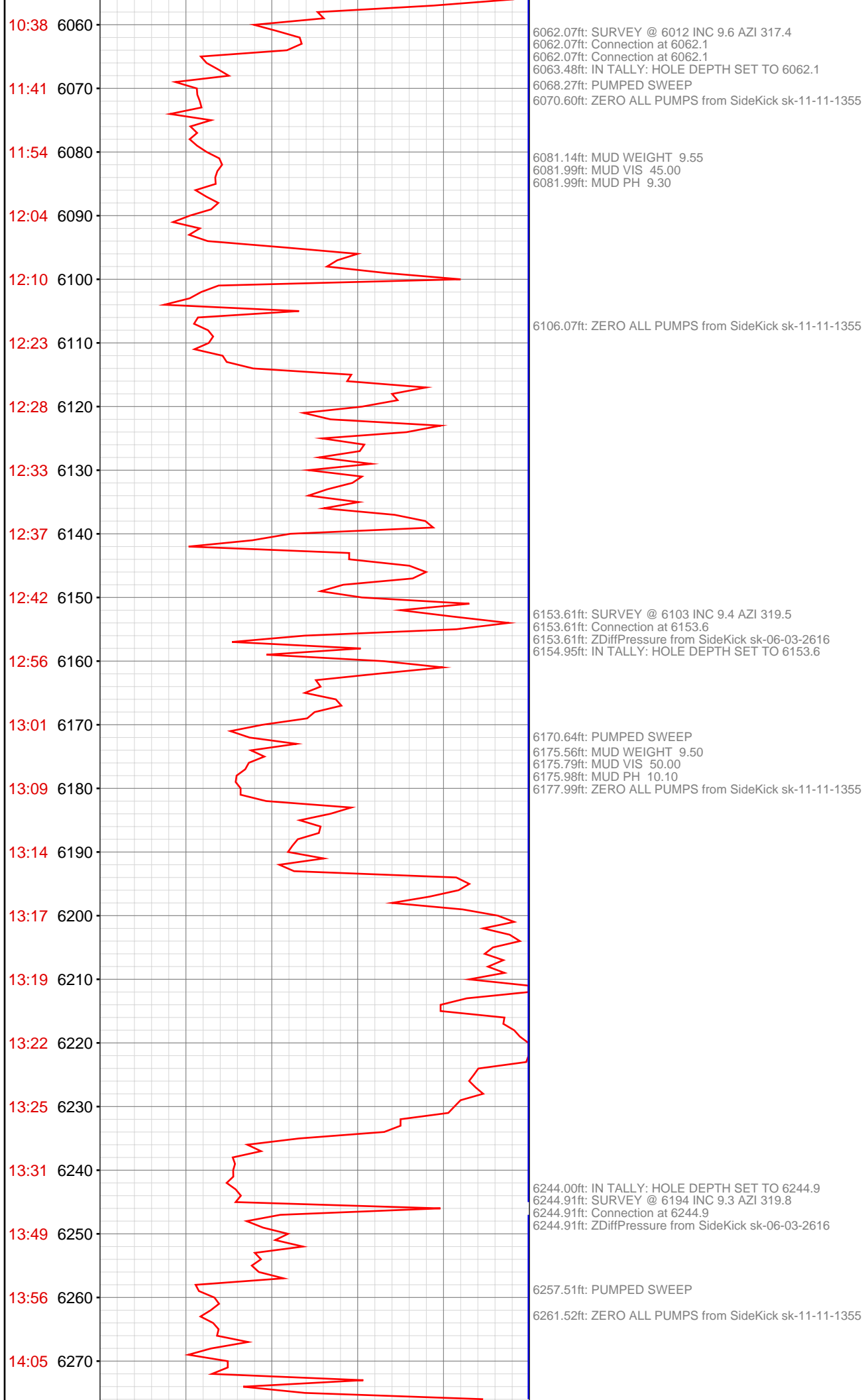


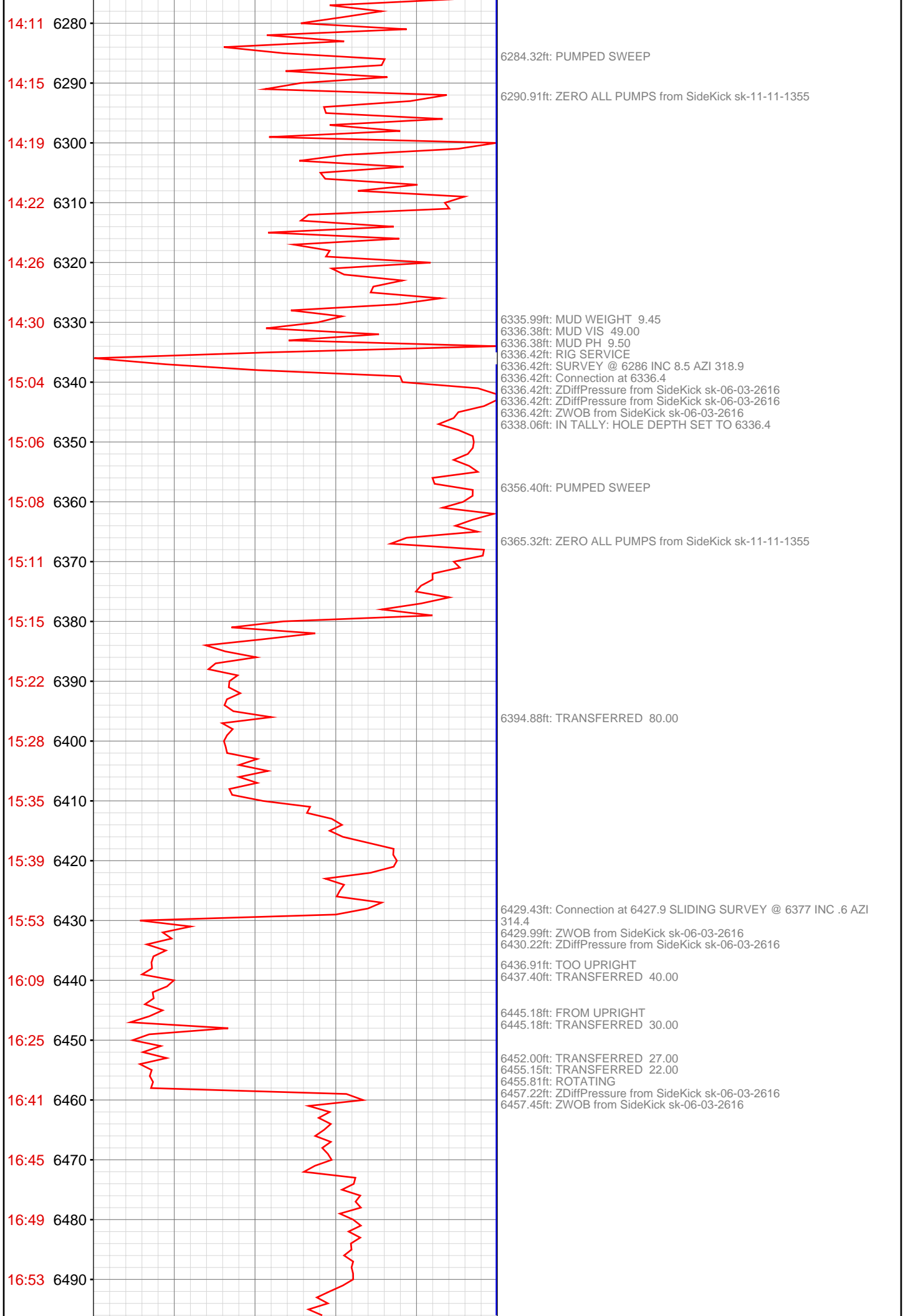
5877.99ft: IN TALLY: HOLE DEPTH SET TO 5878.8
5878.81ft: SURVEY @ 5828 INC 8.8 AZI 317.6
5878.81ft: Connection at 5878.8
5878.81ft: ZDiffPressure from SideKick sk-06-03-2616
5882.58ft: ZERO ALL PUMPS from SideKick sk-11-11-1355

5925.72ft: PUMP CELLAR

5970.51ft: SURVEY @ 5920 INC 8.9 AZI 317.5
5970.51ft: Connection at 5970.5
5970.51ft: ZDiffPressure from SideKick sk-06-03-2616
5970.51ft: ZWOB from SideKick sk-06-03-2616
5971.56ft: IN TALLY: HOLE DEPTH SET TO 5970.5
5973.20ft: PUMPED SWEEP
5975.30ft: ZERO ALL PUMPS from SideKick sk-11-11-1355

6034.15ft: PUMPED SWEEP
6036.16ft: MUD WEIGHT 9.60
6037.01ft: MUD VIS 49.00
6037.01ft: MUD PH 9.10
6040.19ft: ZERO ALL PUMPS from SideKick sk-11-11-1355





16:56 6500
17:00 6510
17:05 6520
17:27 6530
17:31 6540
17:36 6550
17:42 6560
17:48 6570
17:54 6580
17:59 6590
18:03 6600
18:08 6610
18:26 6620
18:32 6630
18:37 6640
18:42 6650
18:47 6660
18:53 6670
18:59 6680
19:05 6690
19:09 6700
19:32 6710

6498.36ft: TRANSFERRED 57.00

6517.45ft: TRANSFERRED 22.00
6519.55ft: SURVEY @ 6459 INC 8.7 AZI 319.8
6519.55ft: MUD WEIGHT 9.45
6519.55ft: MUD VIS 45.00
6519.55ft: MUD PH 9.20
6519.55ft: Connection at 6519.6
6519.55ft: ZWOB from SideKick sk-06-03-2616
6522.70ft: IN TALLY: HOLE DEPTH SET TO 6519.6

6587.57ft: MUD VIS 44.00
6587.57ft: MUD WEIGHT 9.25
6587.89ft: MUD PH 9.60

6612.73ft: ZWOB from SideKick sk-06-03-2616
6612.73ft: ZDiffPressure from SideKick sk-06-03-2616
6612.73ft: Connection at 6611.2
6612.73ft: ZDiffPressure from SideKick sk-06-03-2616
6612.73ft: ZWOB from SideKick sk-06-03-2616

6679.30ft: MUD WEIGHT 9.40
6679.59ft: MUD VIS 43.00
6679.59ft: MUD PH 9.30

6705.77ft: Connection at 6702.9
6705.77ft: SURVEY @6652 INC 8.7 AZM 318.7
6705.77ft: ZWOB from SideKick sk-06-03-2616
6705.77ft: ZDiffPressure from SideKick sk-06-03-2616

19:37 6720
19:43 6730
19:49 6740
19:55 6750
20:01 6760
20:06 6770
20:12 6780
20:17 6790
20:34 6800
20:40 6810
20:45 6820
20:51 6830
20:57 6840
21:02 6850
21:08 6860
21:13 6870
21:20 6880
21:25 6890
21:43 6900
21:49 6910
21:56 6920
22:03 6930

6722.87ft: PUMPED SWEEP

6743.54ft: MUD WEIGHT 9.40
6743.70ft: MUD VIS 42.00
6743.70ft: MUD PH 9.30

6798.88ft: Connection at 6794.5
6798.88ft: ZDiffPressure from SideKick sk-06-03-2616
6798.88ft: ZWOB from SideKick sk-06-03-2616

6840.16ft: MUD VIS 40.00
6840.16ft: MUD WEIGHT 9.30
6840.16ft: MUD PH 9.00

6891.67ft: Connection at 6886.2
6891.67ft: SURVEY @ 6836 INC 8.4 AZM 321.3
6891.67ft: ZWOB from SideKick sk-06-03-2616
6891.67ft: ZDiffPressure from SideKick sk-06-03-2616
6894.03ft: PUMPED SWEEP



22:08 6940

22:13 6950

22:18 6960

22:23 6970

22:30 6980

22:51 6990

22:56 7000

23:01 7010

23:08 7020

23:14 7030

23:20 7040

23:25 7050

23:30 7060

23:35 7070

Sep 29, 2012
00:09 7080

00:44 7090

01:18 7100

01:23 7110

01:28 7120

01:34 7130

01:40 7140

01:44 7150

6954.36ft: MUD VIS 42.00
6954.66ft: MUD WEIGHT 9.25
6954.66ft: MUD PH 9.20

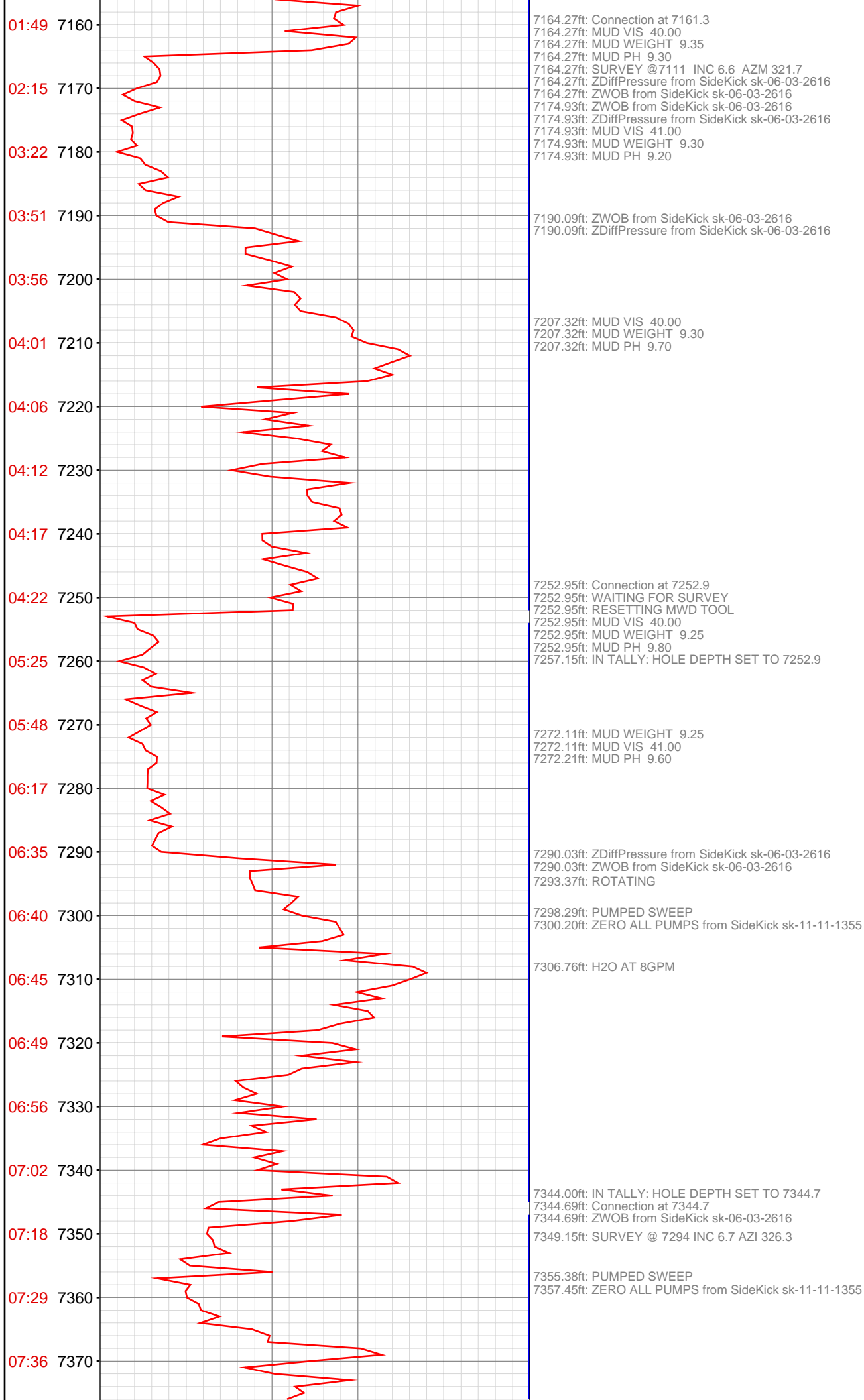
6977.89ft: Connection at 6977.9
6977.89ft: SURVEY @6927 INC 7.9 AZM 319.6
6977.89ft: ZDiffPressure from SideKick sk-06-03-2616
6977.89ft: ZWOB from SideKick sk-06-03-2616

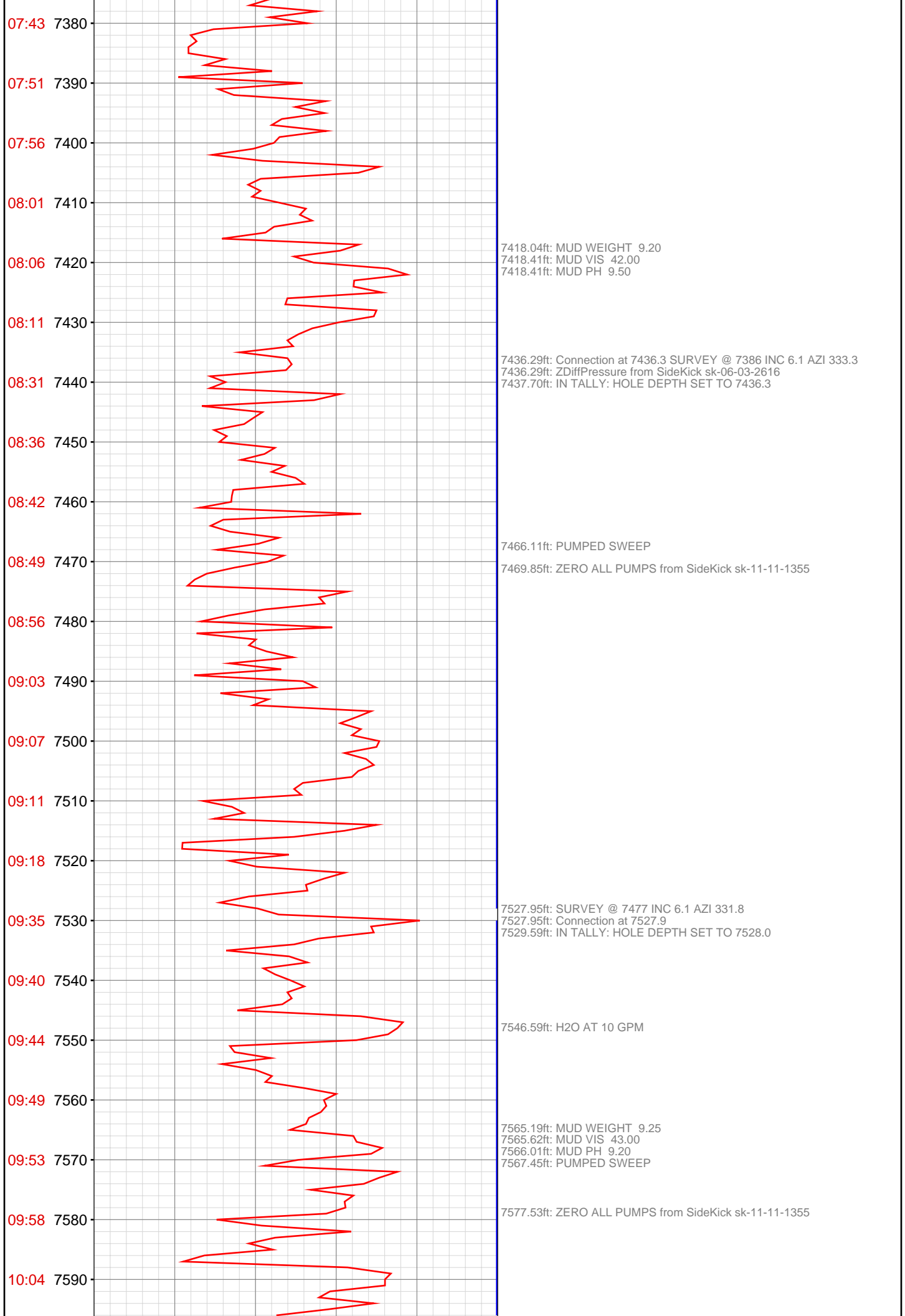
6984.81ft: IN TALLY: HOLE DEPTH SET TO 6977.9

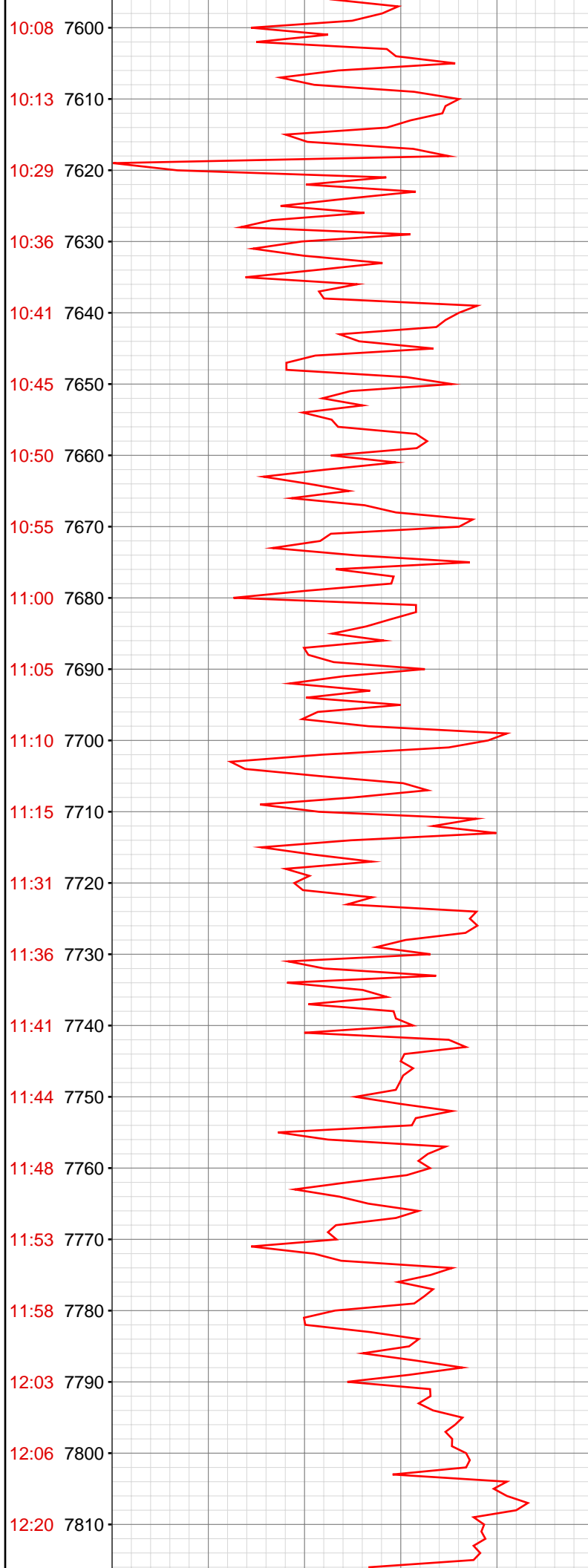
7002.30ft: MUD VIS 42.00
7002.30ft: MUD WEIGHT 9.35
7002.30ft: MUD PH 9.50

7069.00ft: HOLE DEPTH CHANGED TO 8168.0 FEET
7070.96ft: Connection at 7069.6
7070.96ft: ZDiffPressure from SideKick sk-06-03-2616
7070.96ft: ZDiffPressure from SideKick sk-06-03-2616
7070.96ft: ZWOB from SideKick sk-06-03-2616
7077.79ft: MUD VIS 40.00
7077.79ft: MUD WEIGHT 9.25
7077.79ft: MUD PH 9.30

7097.28ft: MUD VIS 40.00
7097.28ft: MUD WEIGHT 9.25
7097.28ft: MUD PH 9.40
7099.38ft: ZWOB from SideKick sk-06-03-2616
7099.38ft: ZDiffPressure from SideKick sk-06-03-2616
7100.95ft: PUMPED SWEEP







7619.00ft: IN TALLY: HOLE DEPTH SET TO 7619.5
7619.49ft: SURVEY @ 7569 INC 5.2 AZI 331
7619.49ft: Connection at 7619.5
7619.49ft: ZDiffPressure from SideKick sk-06-03-2616

7637.86ft: PUMPED SWEEP

7645.01ft: ZERO ALL PUMPS from SideKick sk-11-11-1355

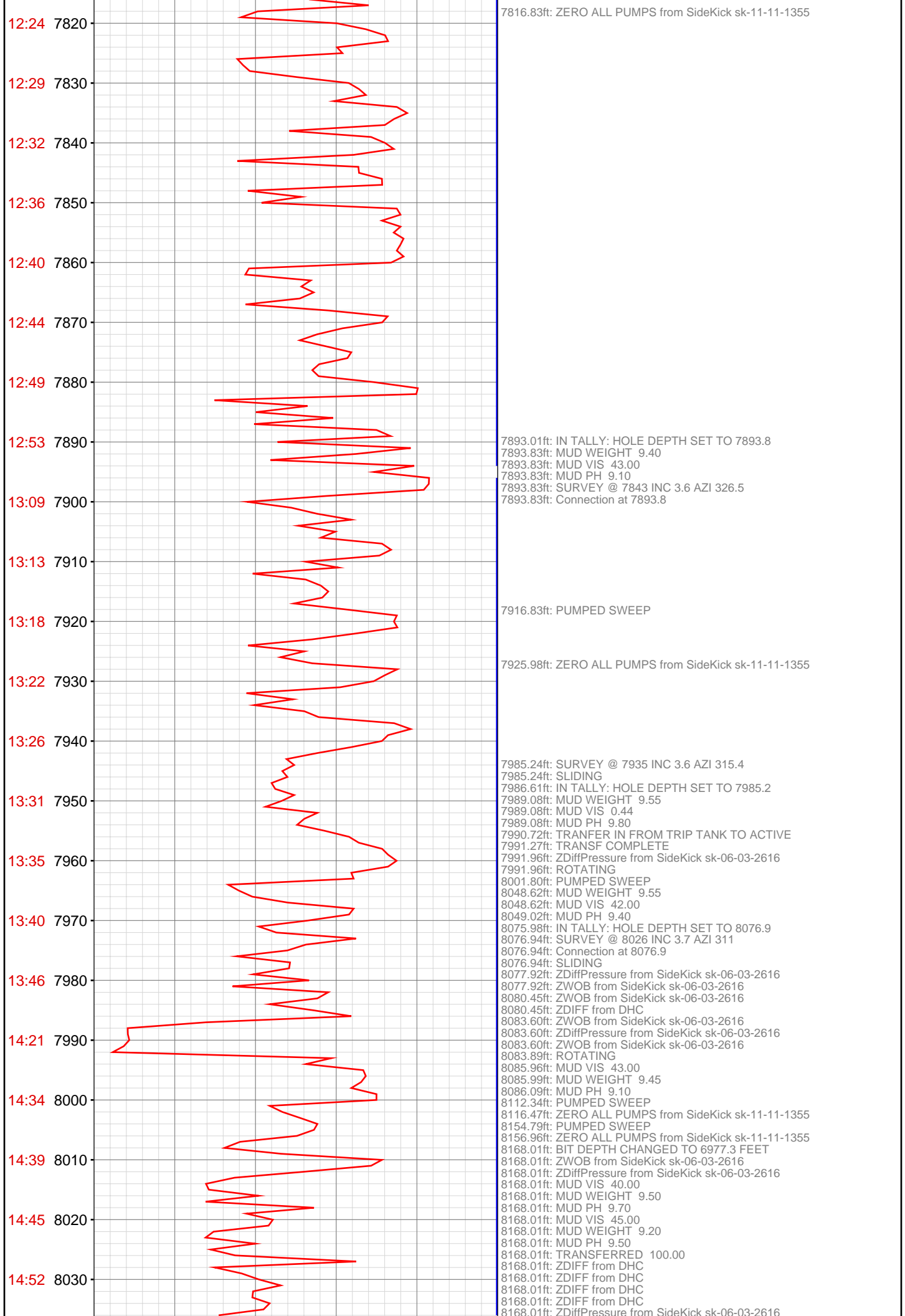
7702.03ft: MUD WEIGHT 9.30
7702.20ft: MUD VIS 41.00
7702.20ft: MUD PH 9.40

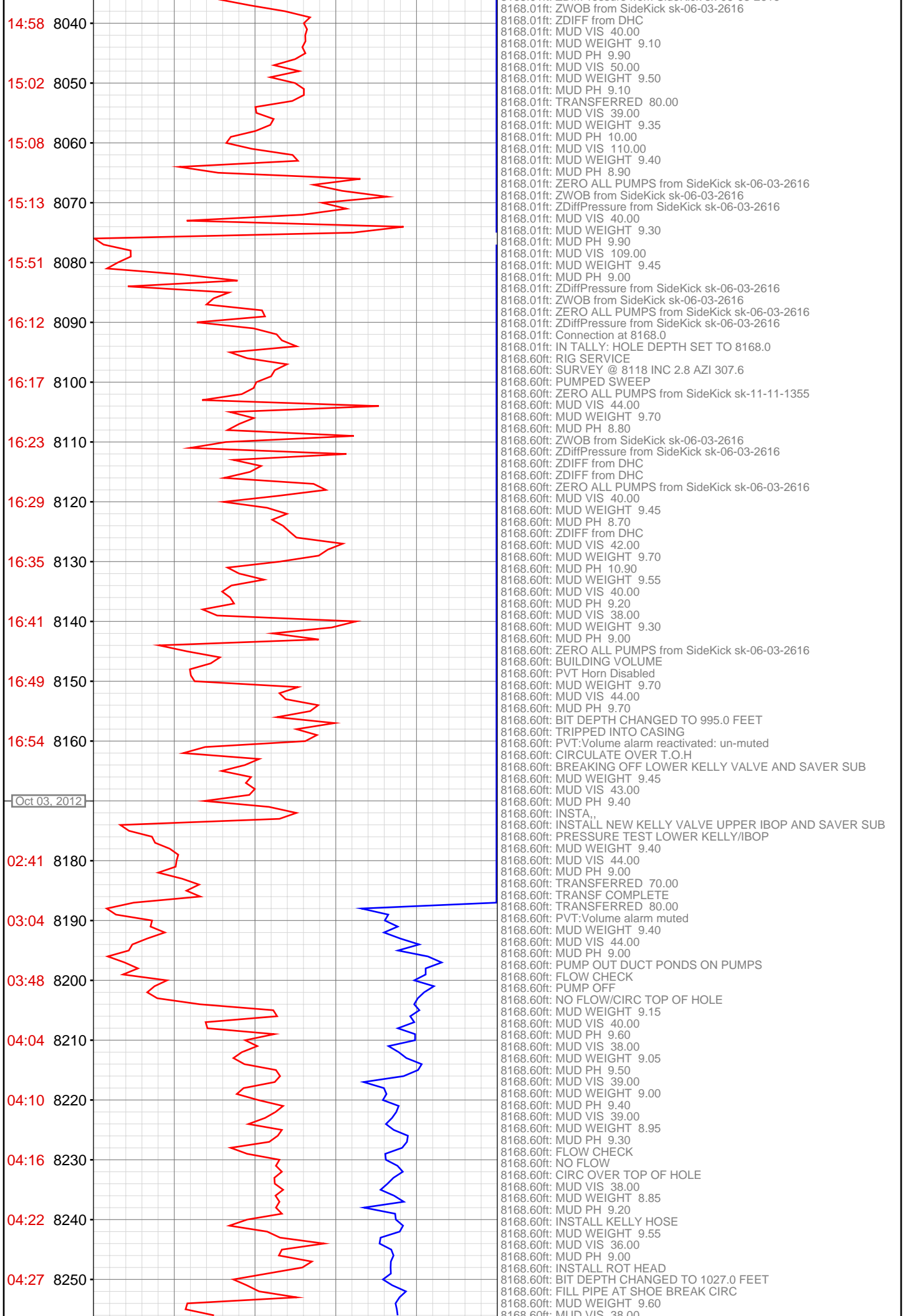
7710.01ft: IN TALLY: HOLE DEPTH SET TO 7710.8
7710.79ft: SURVEY @ 7660 INC 4.8 AZI 334
7710.79ft: Connection at 7710.8

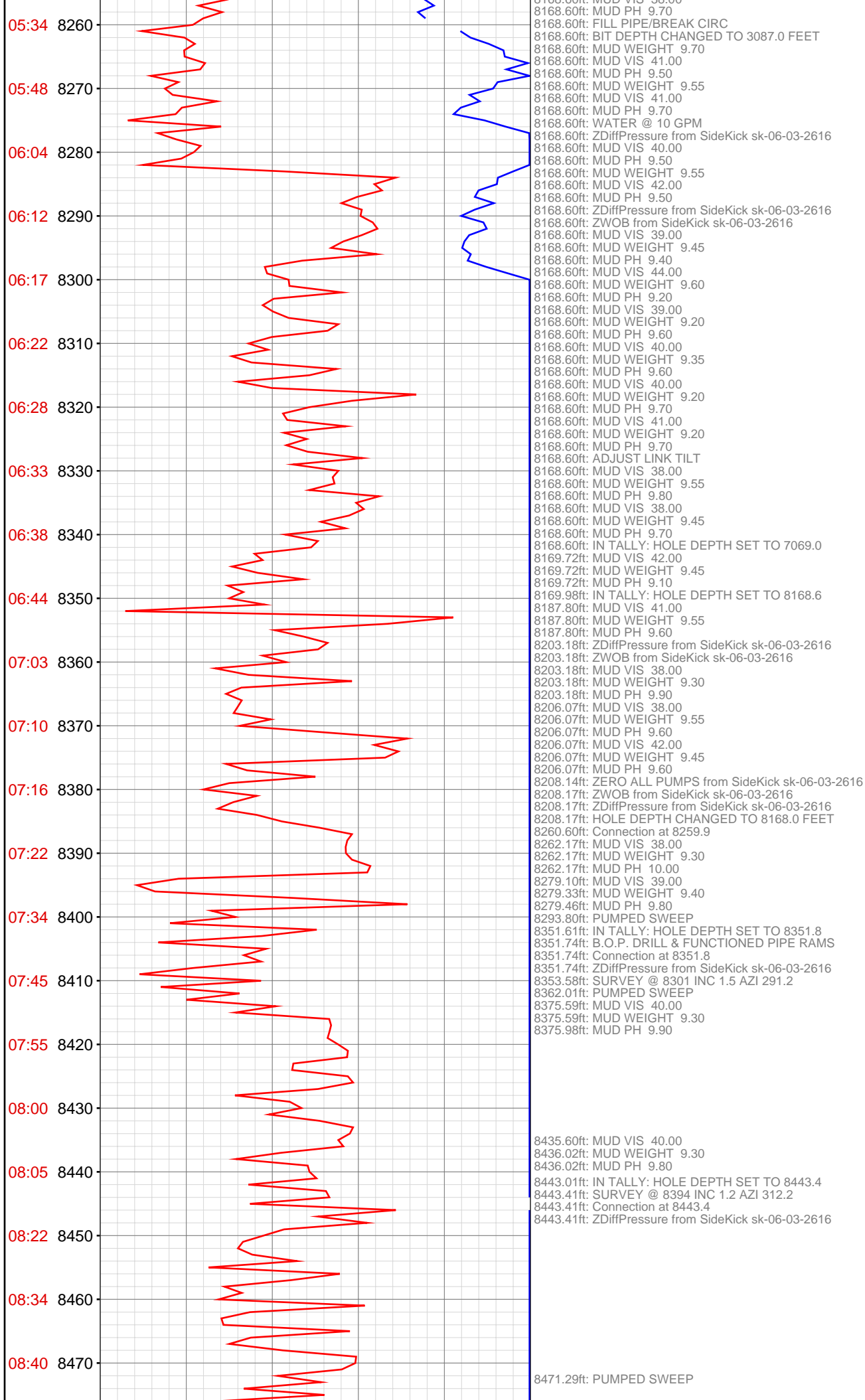
7780.38ft: MUD WEIGHT 9.40
7780.64ft: MUD VIS 43.00
7780.87ft: MUD PH 9.30

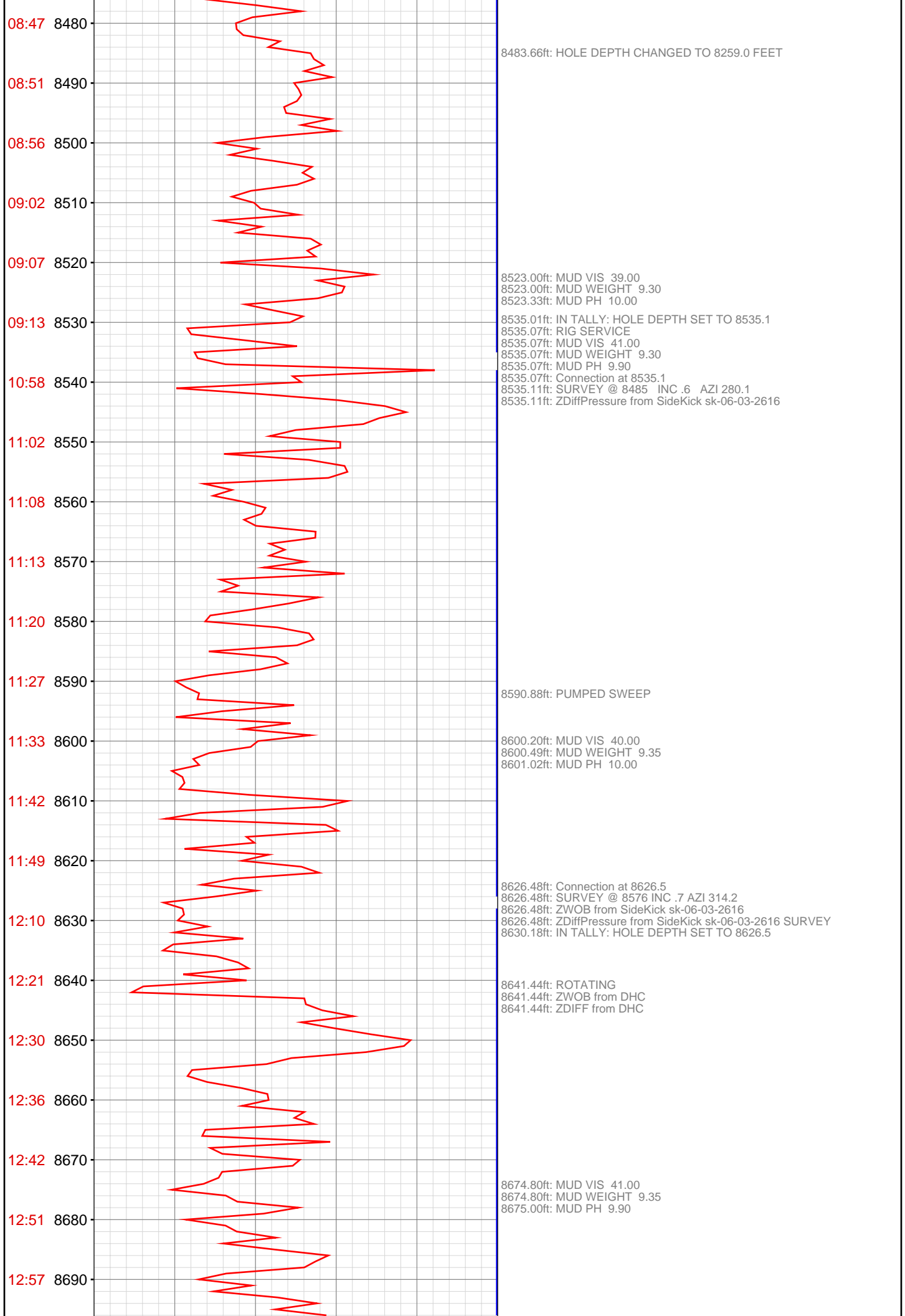
7802.23ft: SURVEY @ 7752 INC 4.1 AZI 331.4
7802.23ft: Connection at 7802.2
7803.87ft: IN TALLY: HOLE DEPTH SET TO 7802.2

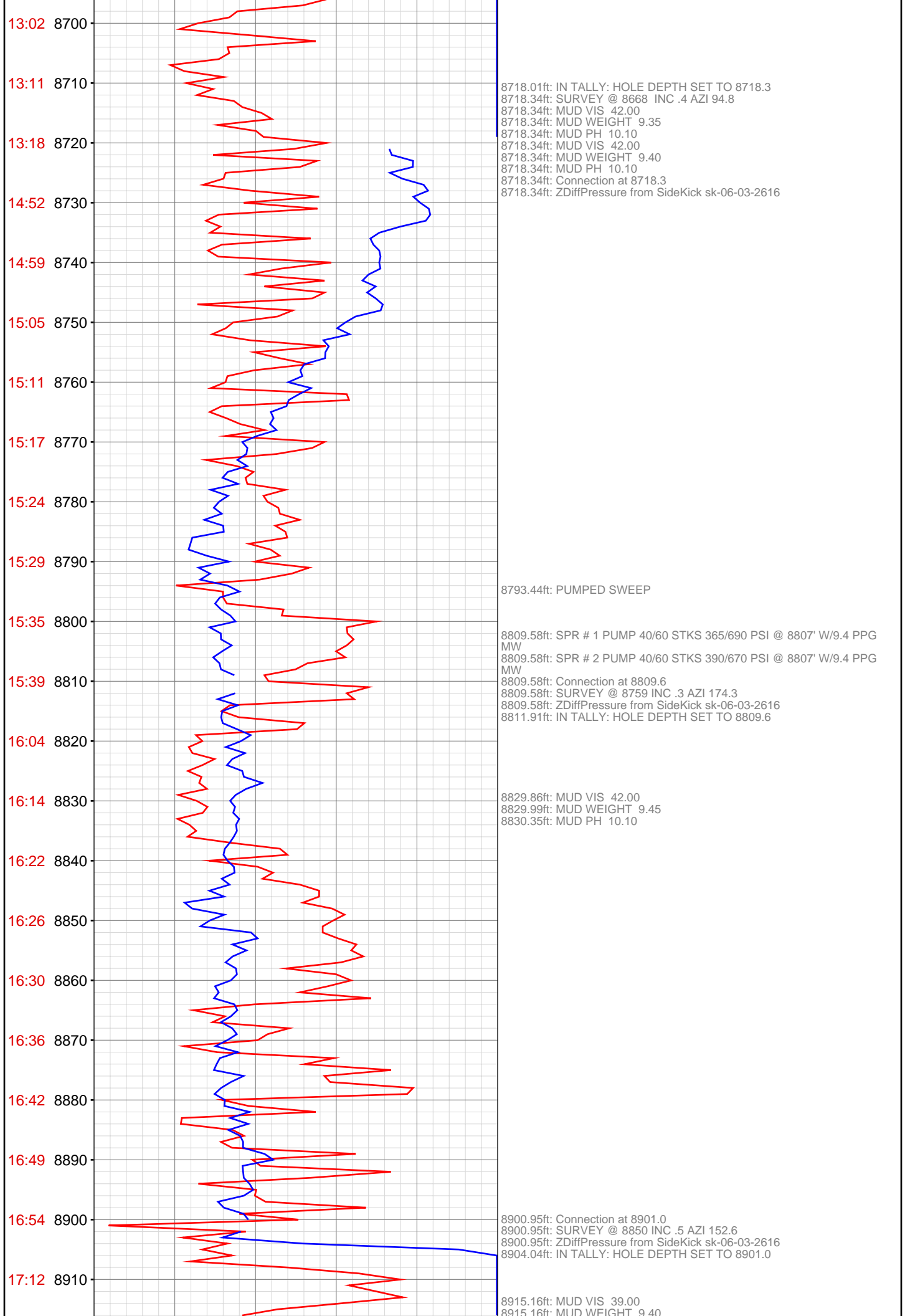
7809.38ft: PUMPED SWEEP

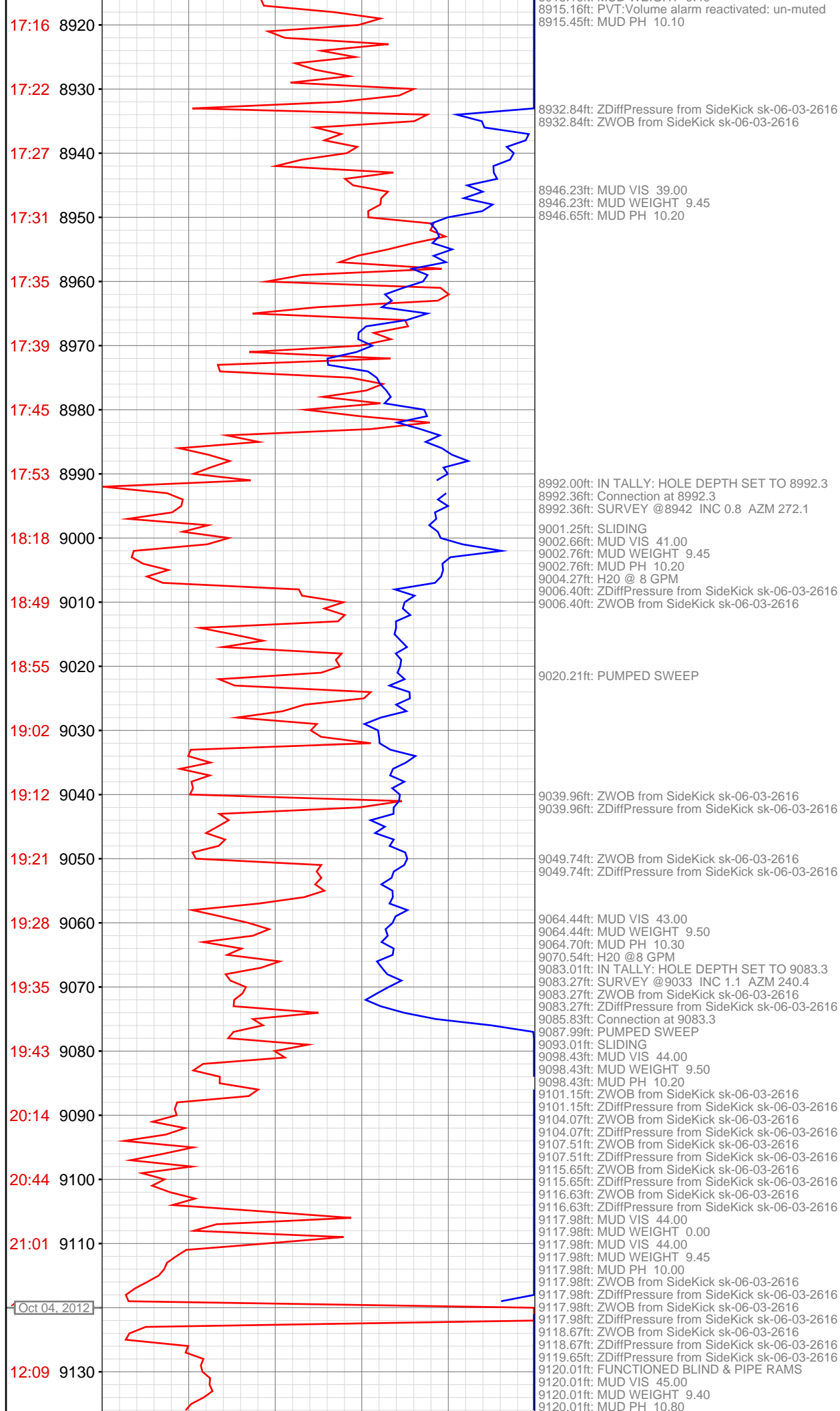


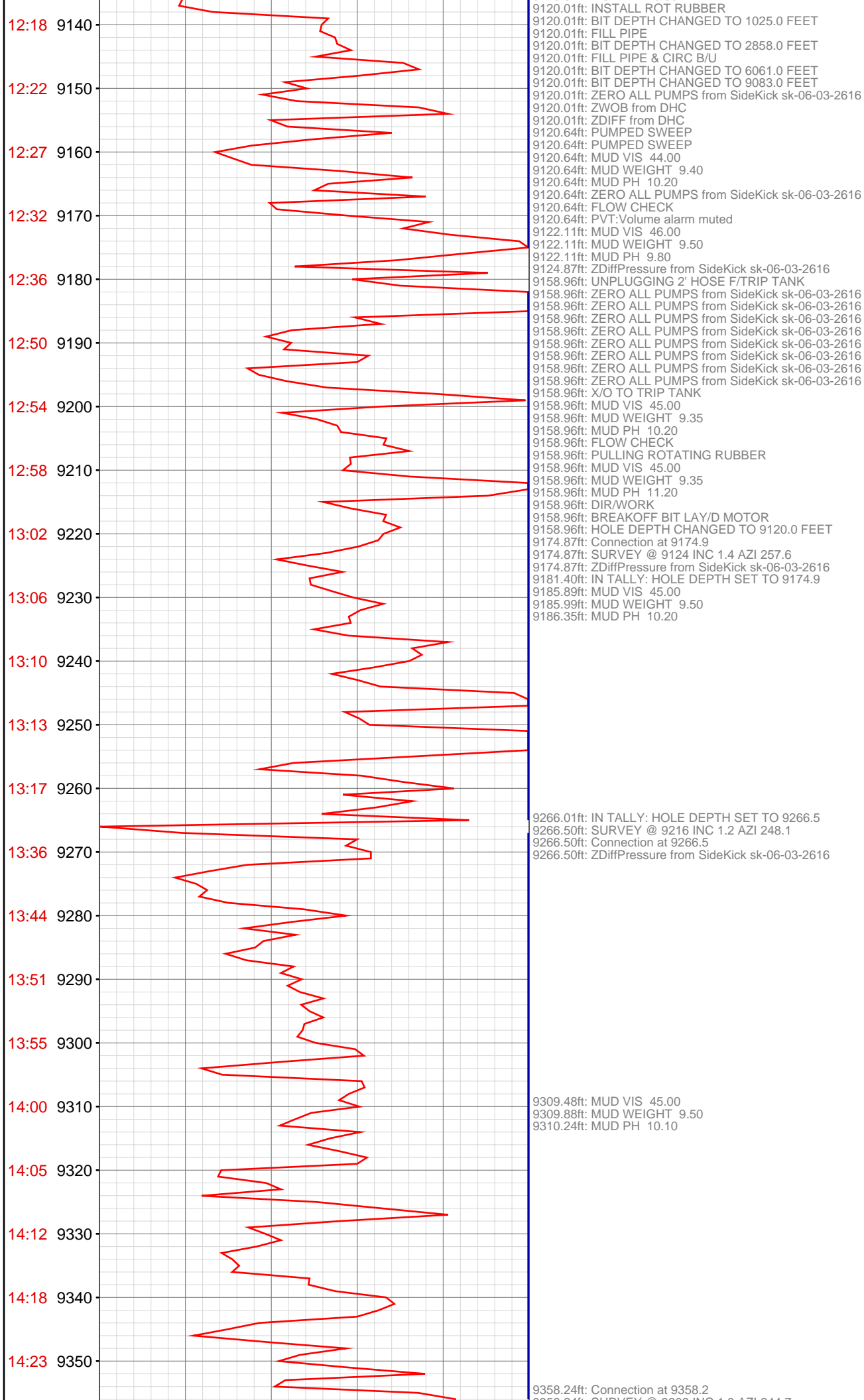


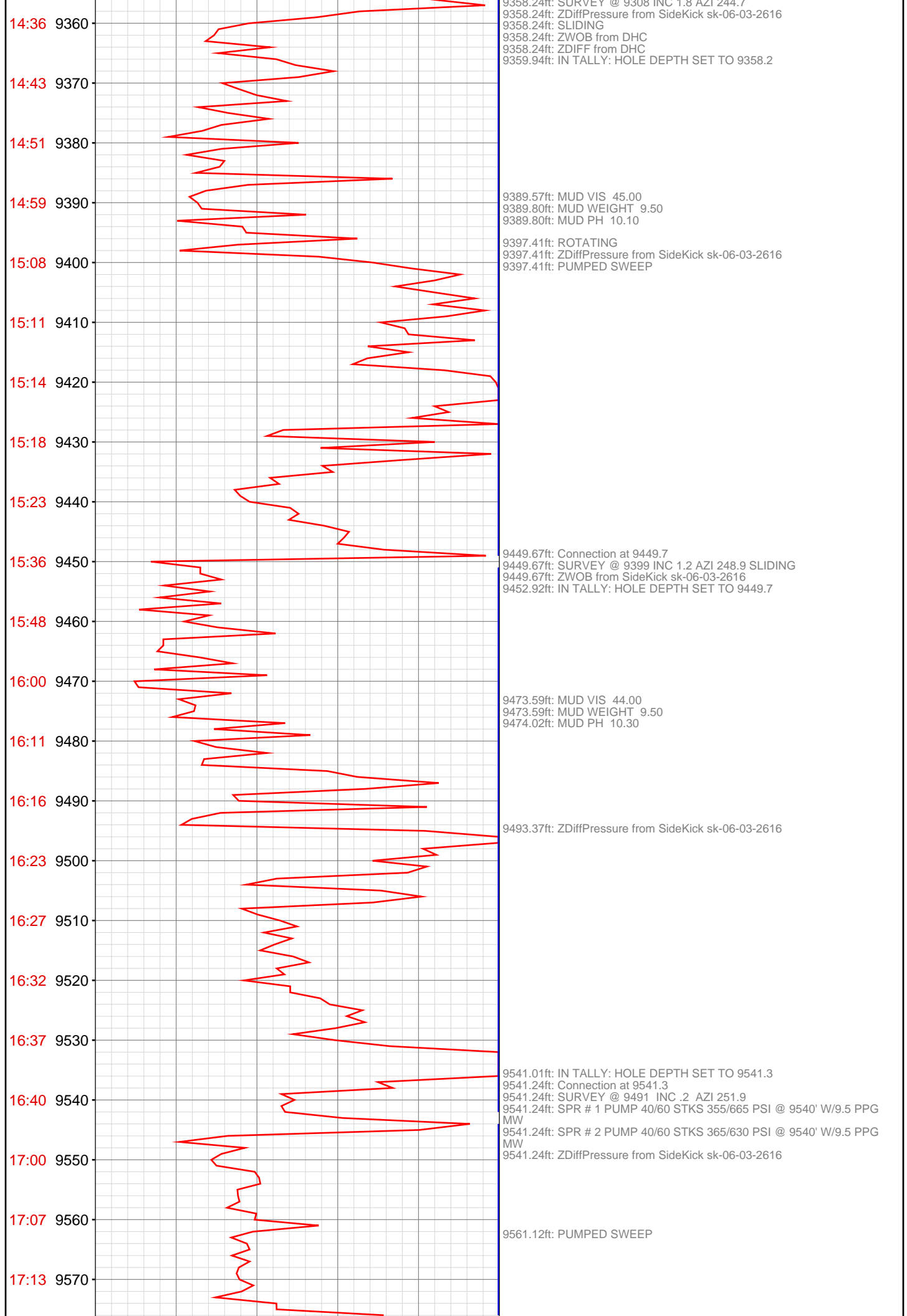


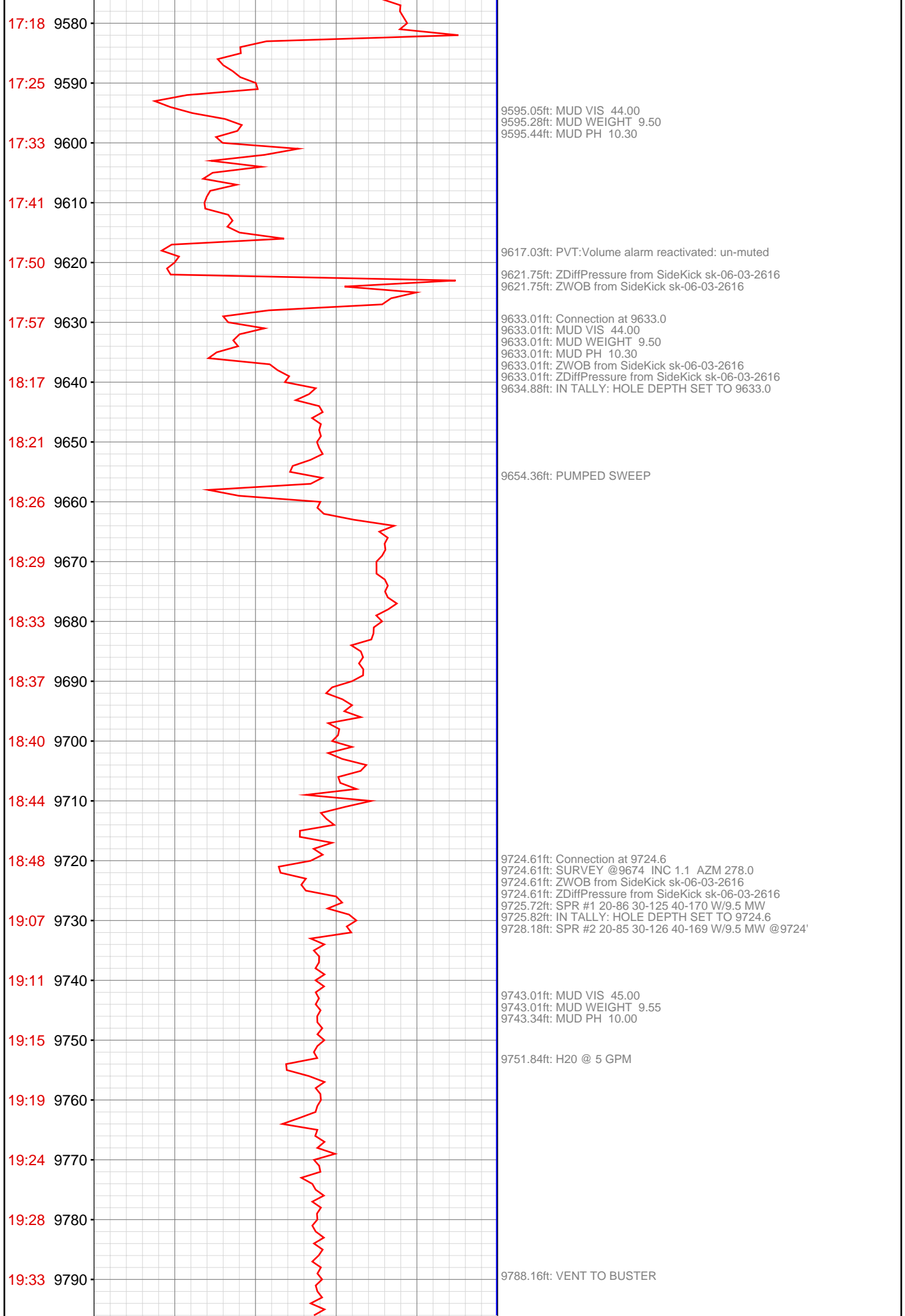












19:37 9800

19:40 9810

20:00 9820

20:04 9830

20:09 9840

20:13 9850

20:17 9860

20:21 9870

20:26 9880

20:31 9890

20:34 9900

20:51 9910

20:55 9920

21:00 9930

21:05 9940

21:10 9950

21:16 9960

21:21 9970

21:26 9980

21:30 9990

21:34 10000

21:50 10010

9814.99ft: IN TALLY: HOLE DEPTH SET TO 9816.0
9815.95ft: Connection at 9816.0
9815.95ft: SURVEY @9765 INC 0.7 AZM 269.2
9815.95ft: ZWOB from SideKick sk-06-03-2616
9815.95ft: ZDiffPressure from SideKick sk-06-03-2616
9817.22ft: PUMPED SWEEP

9886.68ft: MUD VIS 45.00
9886.68ft: MUD WEIGHT 9.65
9886.91ft: MUD PH 10.10

9906.99ft: IN TALLY: HOLE DEPTH SET TO 9907.6
9907.55ft: Connection at 9907.6 H2O @ 5 GPM
9907.55ft: MUD VIS 45.00
9907.55ft: MUD WEIGHT 9.65
9907.55ft: MUD PH 10.10
9907.55ft: SURVEY @9857 INC 0.5 AZM 280.1
9907.55ft: ZWOB from SideKick sk-06-03-2616
9907.55ft: ZDiffPressure from SideKick sk-06-03-2616
9916.77ft: PUMPED SWEEP

9996.06ft: MUD VIS 45.00
9996.49ft: MUD WEIGHT 9.65
9996.49ft: MUD PH 10.10
9999.15ft: Connection at 9999.1
9999.15ft: SURVEY @9949 INC 0.0 AZM 344.9
9999.15ft: ZWOB from SideKick sk-06-03-2616
9999.15ft: ZDiffPressure from SideKick sk-06-03-2616
10000.36ft: IN TALLY: HOLE DEPTH SET TO 9999.2

10011.25ft: PUMPED SWEEP

