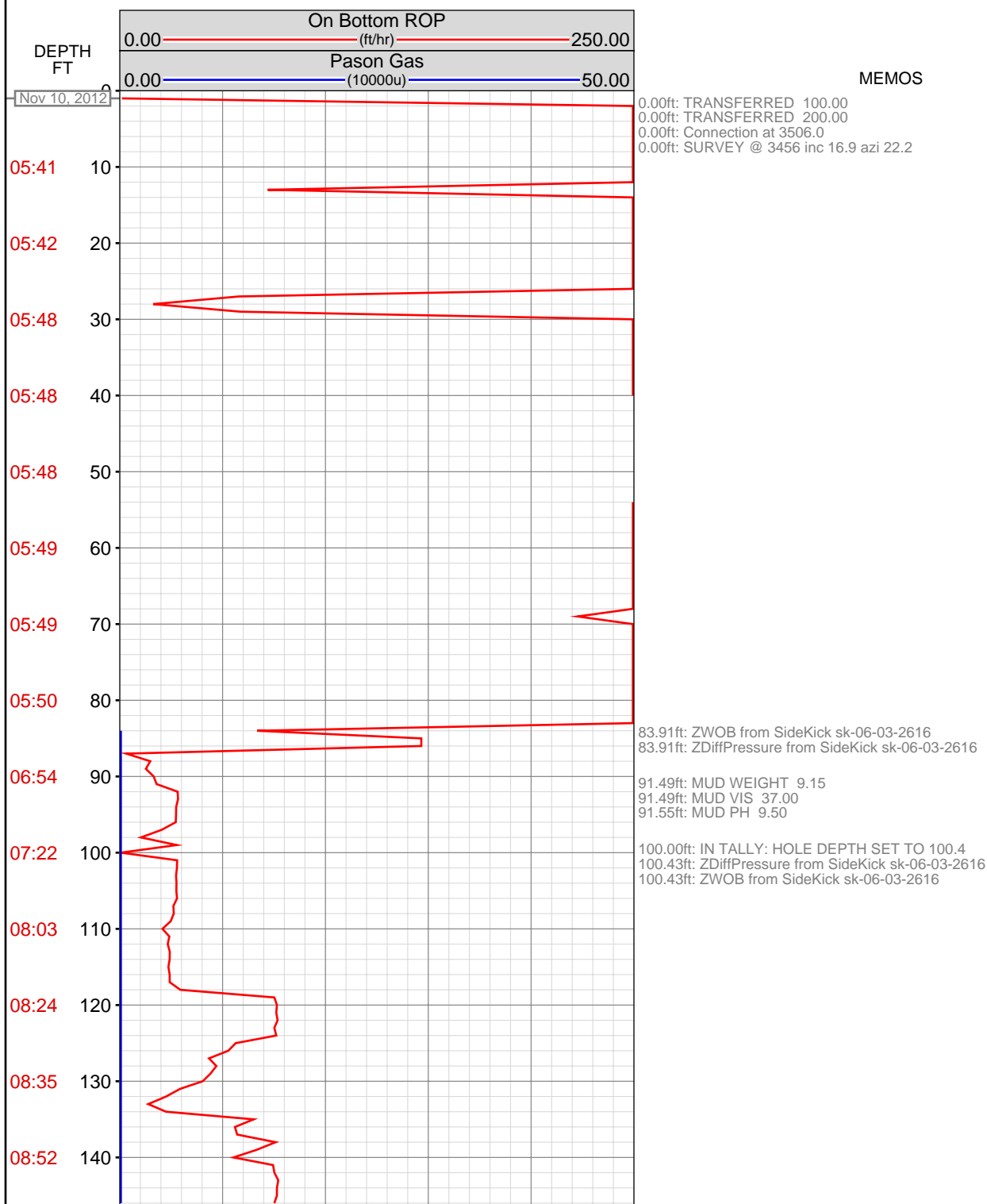


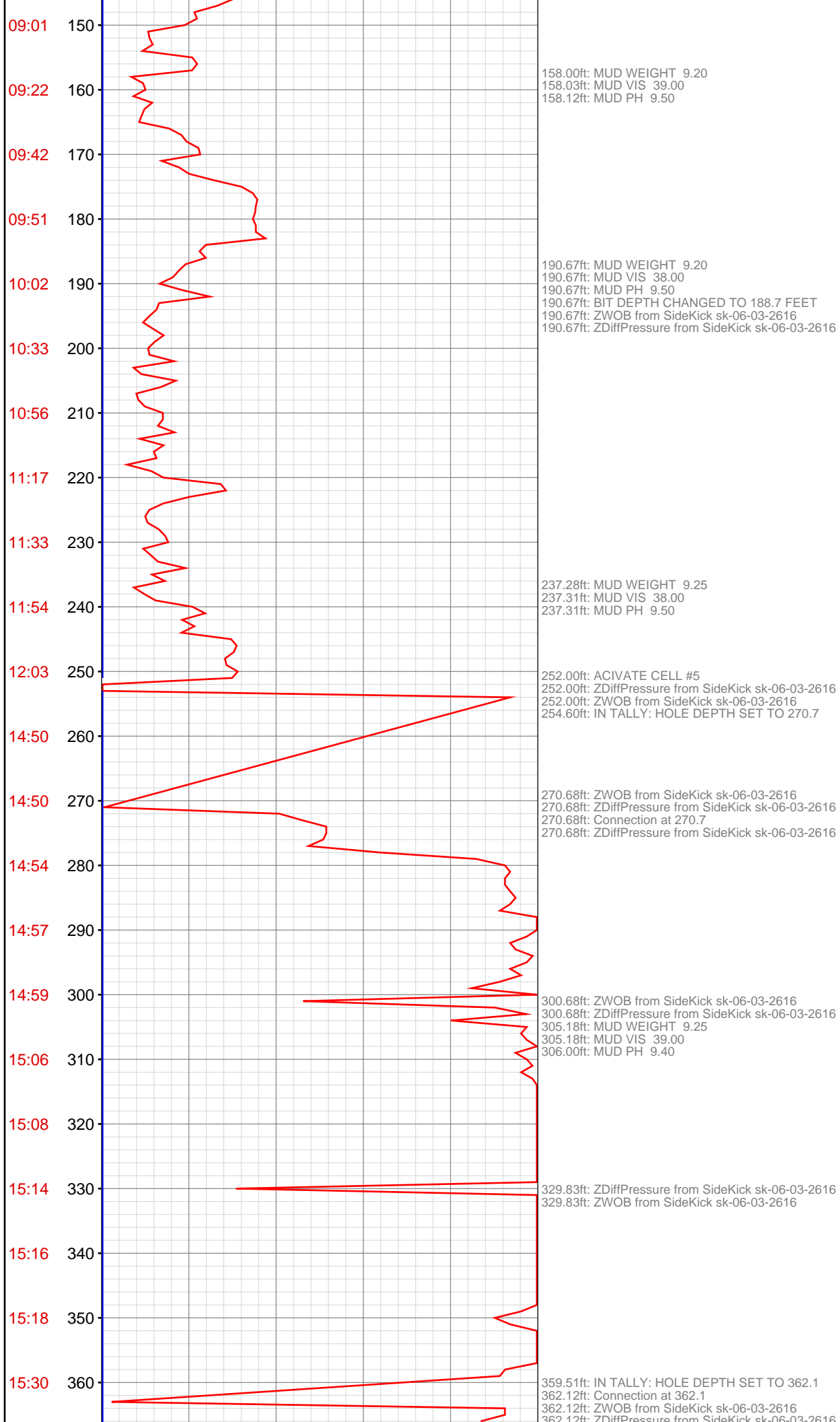
DataHub EDR Log

Mon Nov 19, 2012 10:13:27
Well Dossier 1352546807
Greg Veregin

OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: Benzel Fee 25-3A
FIELD:
LOCATION: SEC 24 TWP 6S RNG 93W
COUNTRY: USA
RIG: Pat-UTI 308

CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05-045-20878
SPUD DATE: Nov 10, 2012 06:30
RELEASE DATE: Nov 19, 2012 09:00





362.14ft: ZDiffPressure from SideKick sk-06-03-2616
366.44ft: IN TALLY: HOLE DEPTH SET TO 362.1

392.87ft: ZDiffPressure from SideKick sk-06-03-2616
392.87ft: ZWOB from SideKick sk-06-03-2616

422.95ft: ZWOB from SideKick sk-06-03-2616
422.95ft: ZDiffPressure from SideKick sk-06-03-2616

442.00ft: MUD WEIGHT 9.30
442.82ft: MUD VIS 41.00
443.00ft: MUD PH 9.40

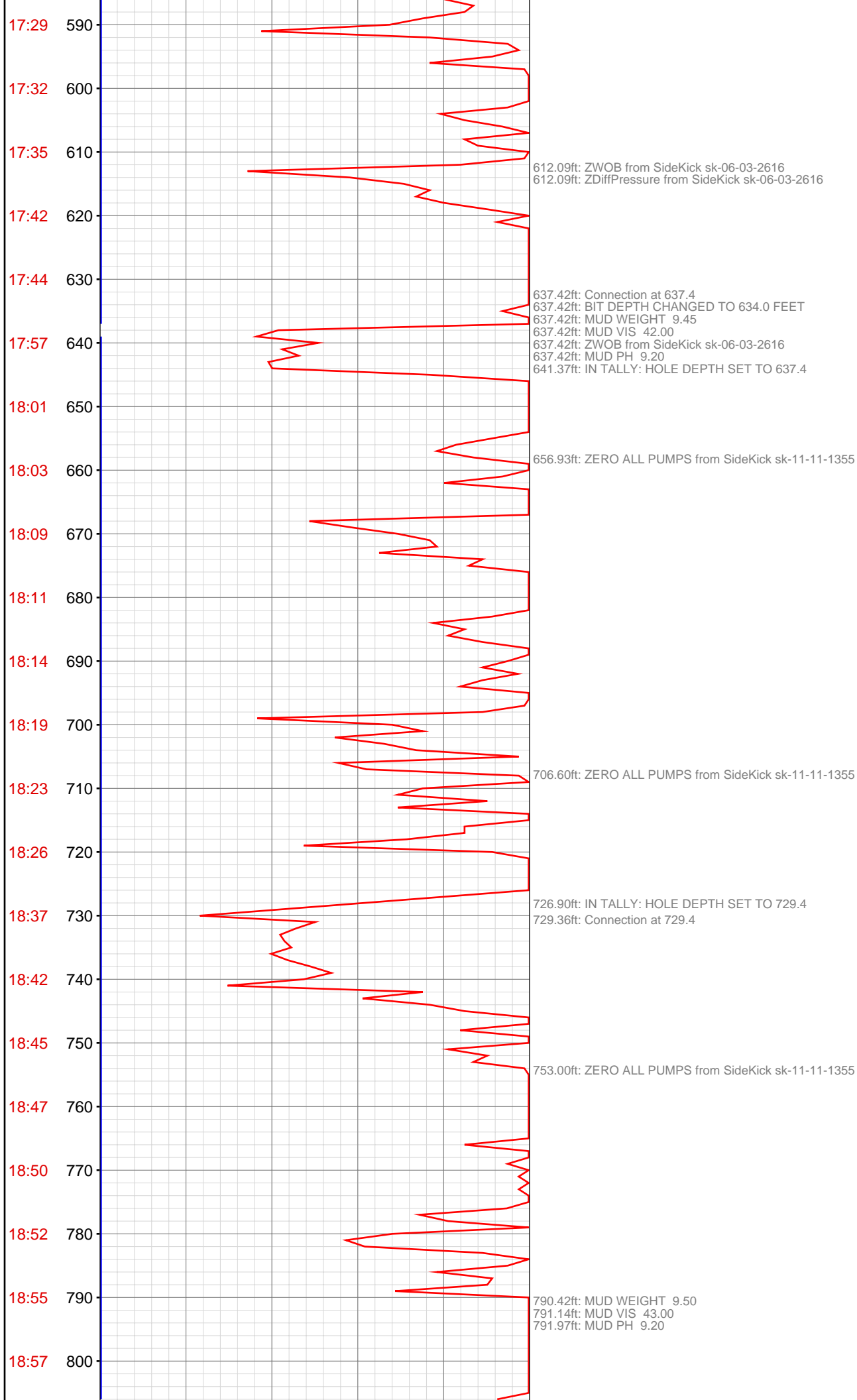
452.56ft: IN TALLY: HOLE DEPTH SET TO 454.1
454.06ft: ZDiffPressure from SideKick sk-06-03-2616
454.06ft: ZWOB from SideKick sk-06-03-2616
454.06ft: Connection at 454.1

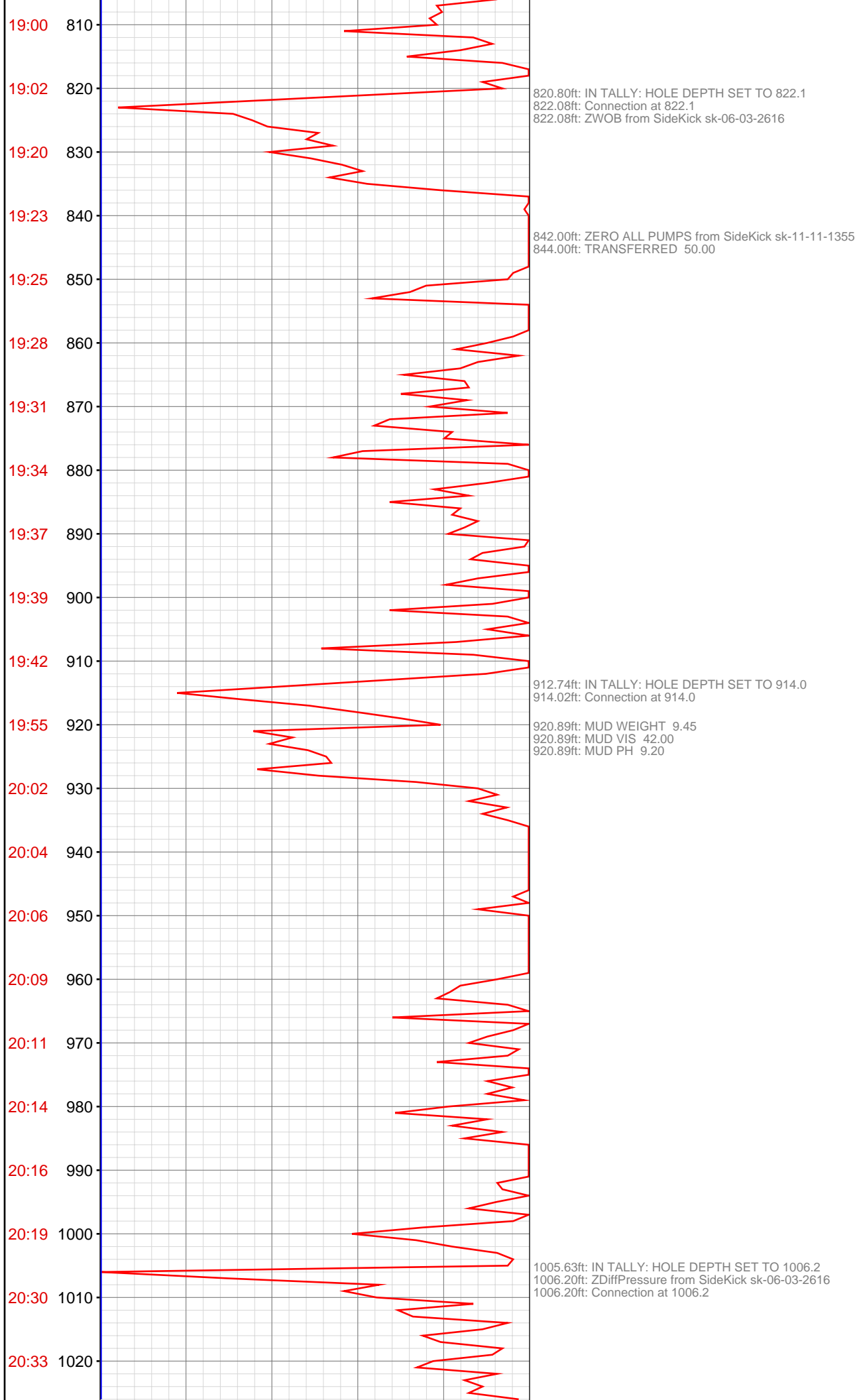
489.76ft: ZWOB from SideKick sk-06-03-2616
489.76ft: ZDiffPressure from SideKick sk-06-03-2616

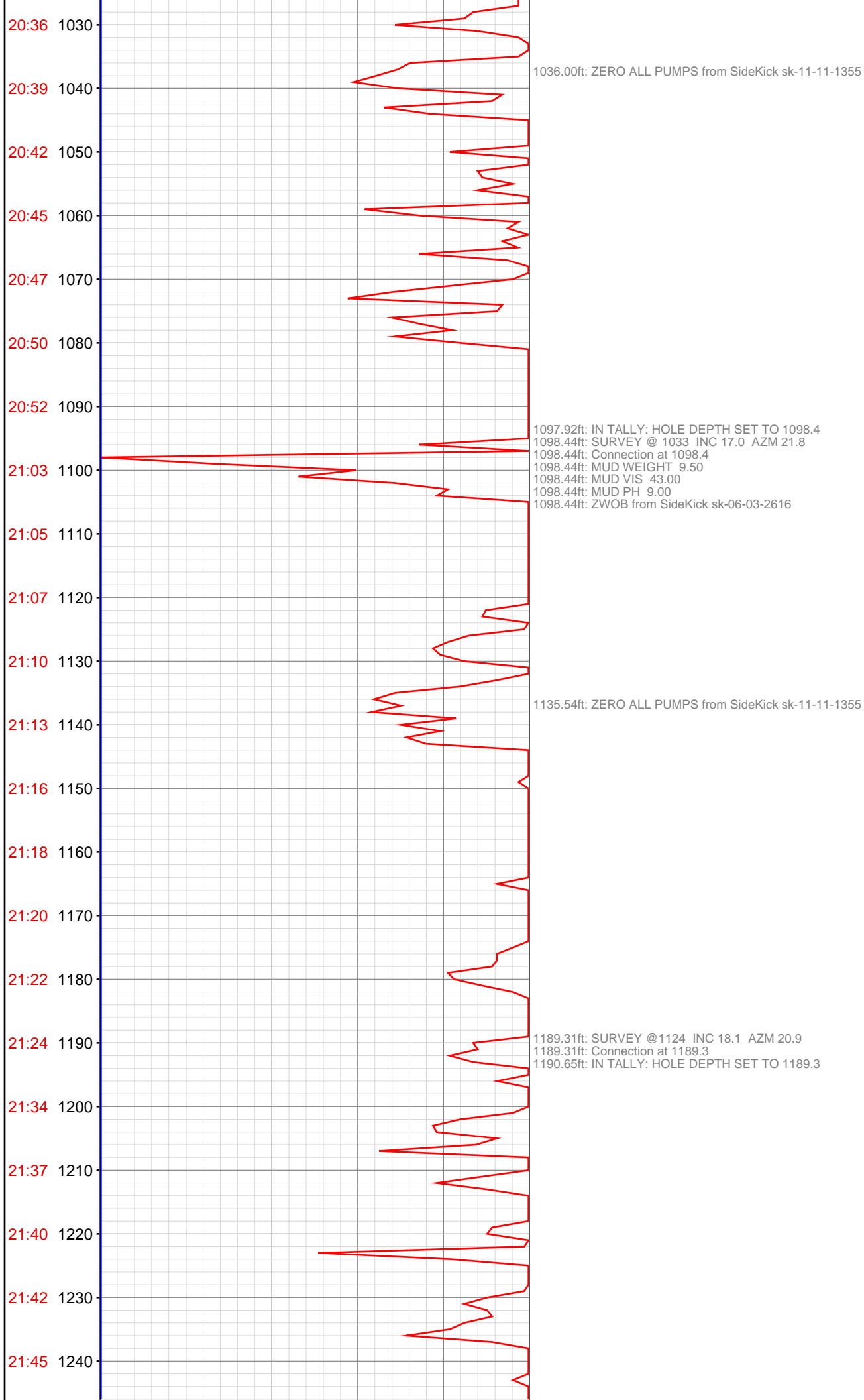
520.22ft: ZWOB from SideKick sk-06-03-2616
520.22ft: ZDiffPressure from SideKick sk-06-03-2616

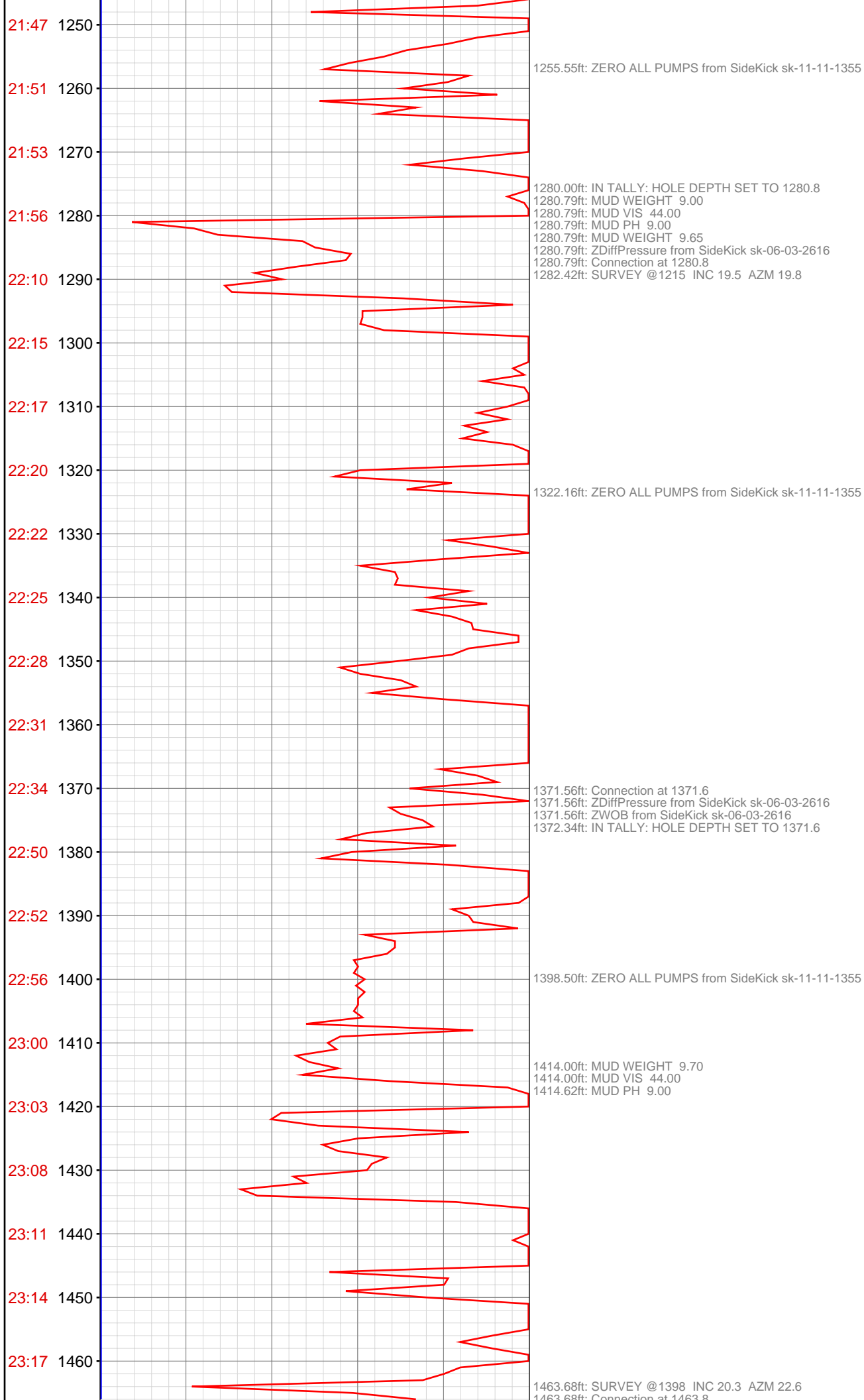
549.65ft: MUD WEIGHT 9.40
549.65ft: MUD VIS 41.00
549.65ft: MUD PH 9.20
549.65ft: Connection at 546.3
549.65ft: ZDiffPressure from SideKick sk-06-03-2616
549.65ft: ZWOB from SideKick sk-06-03-2616

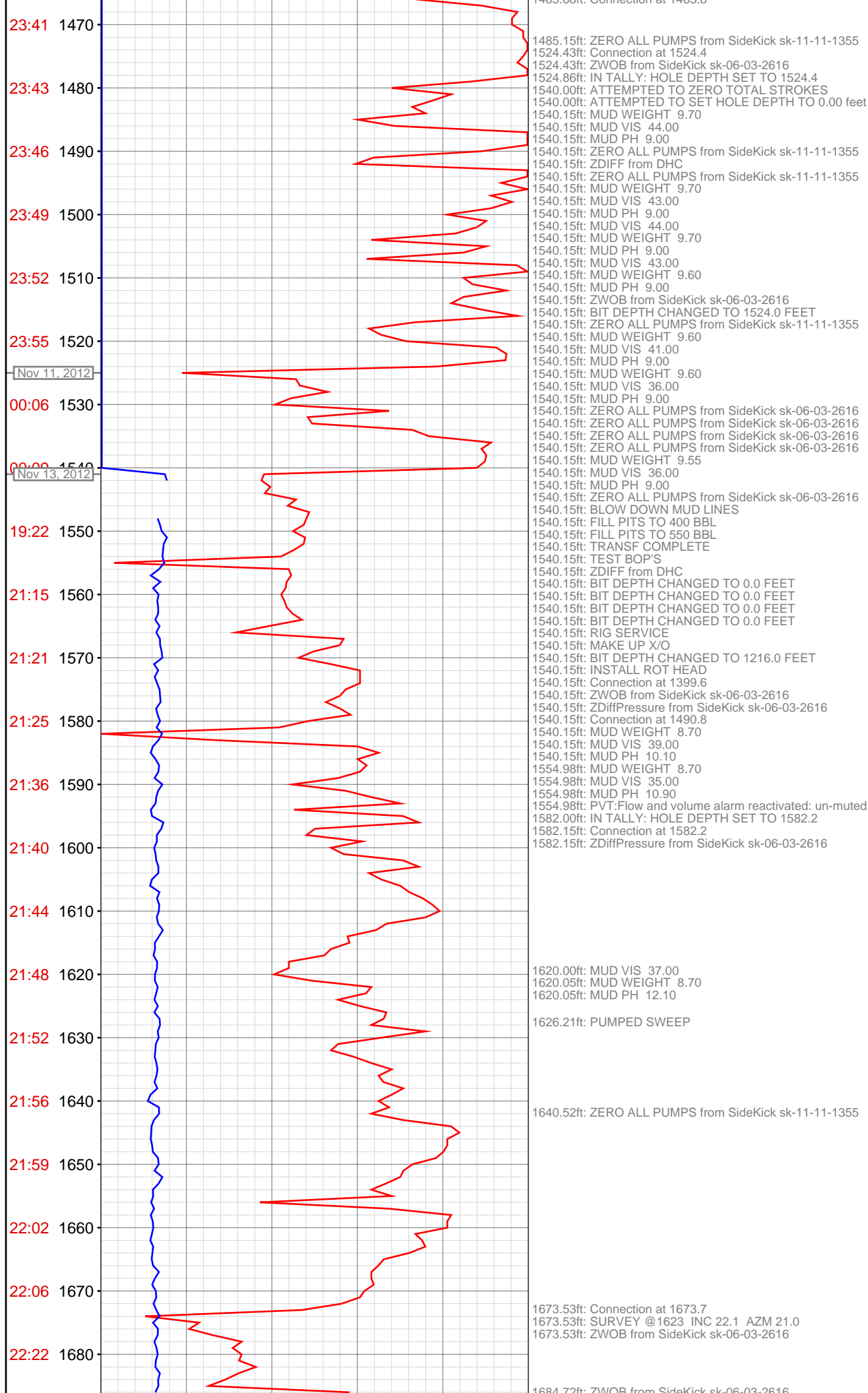
581.63ft: ZWOB from SideKick sk-06-03-2616
581.63ft: ZDiffPressure from SideKick sk-06-03-2616









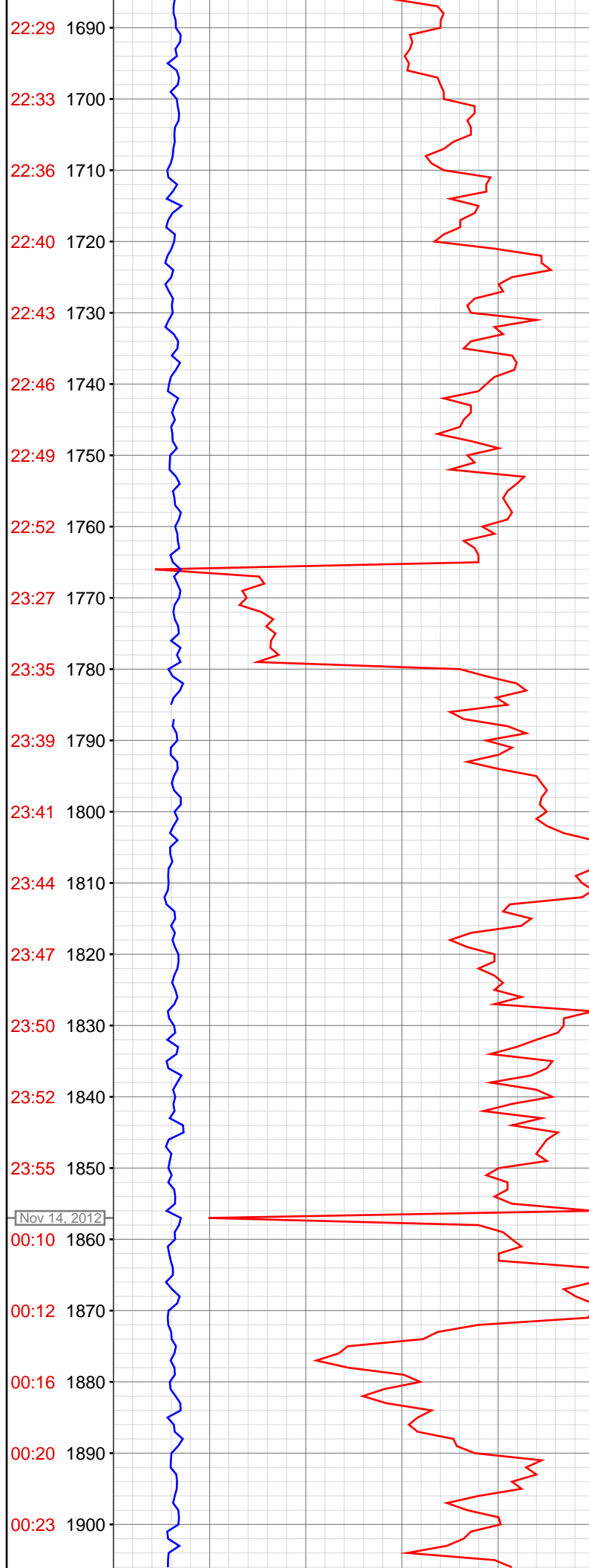


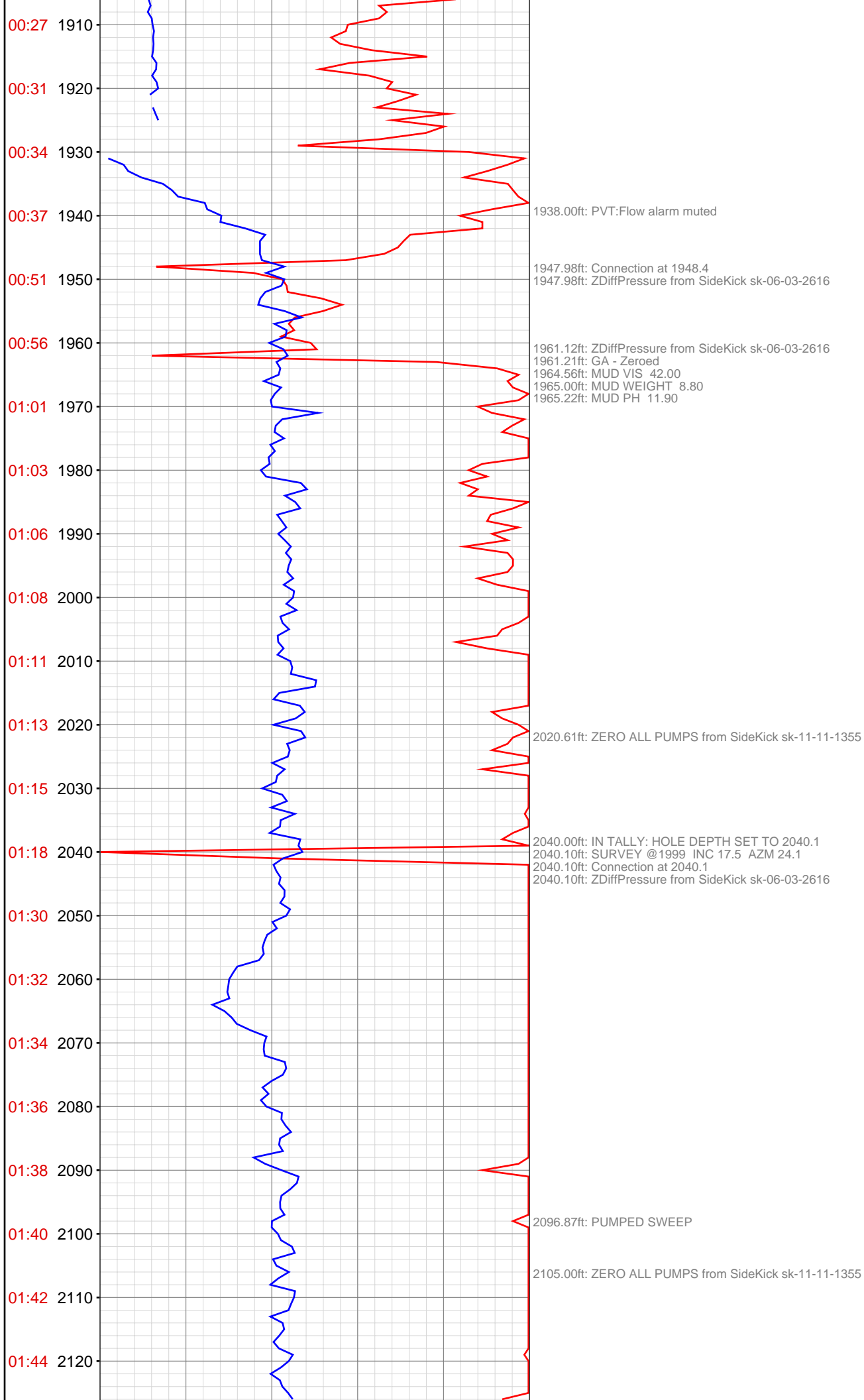
1764.88ft: SURVEY @1715 INC 21.1 AZM 23.8
 1765.05ft: IN TALLY: HOLE DEPTH SET TO 1765.5
 1765.45ft: BOP DRILL
 1765.45ft: FUNC ANNULAR
 1765.45ft: Connection at 1765.5
 1765.45ft: ZDiffPressure from SideKick sk-06-03-2616
 1765.45ft: MUD VIS 40.00
 1765.45ft: MUD WEIGHT 8.75
 1765.45ft: MUD PH 12.00

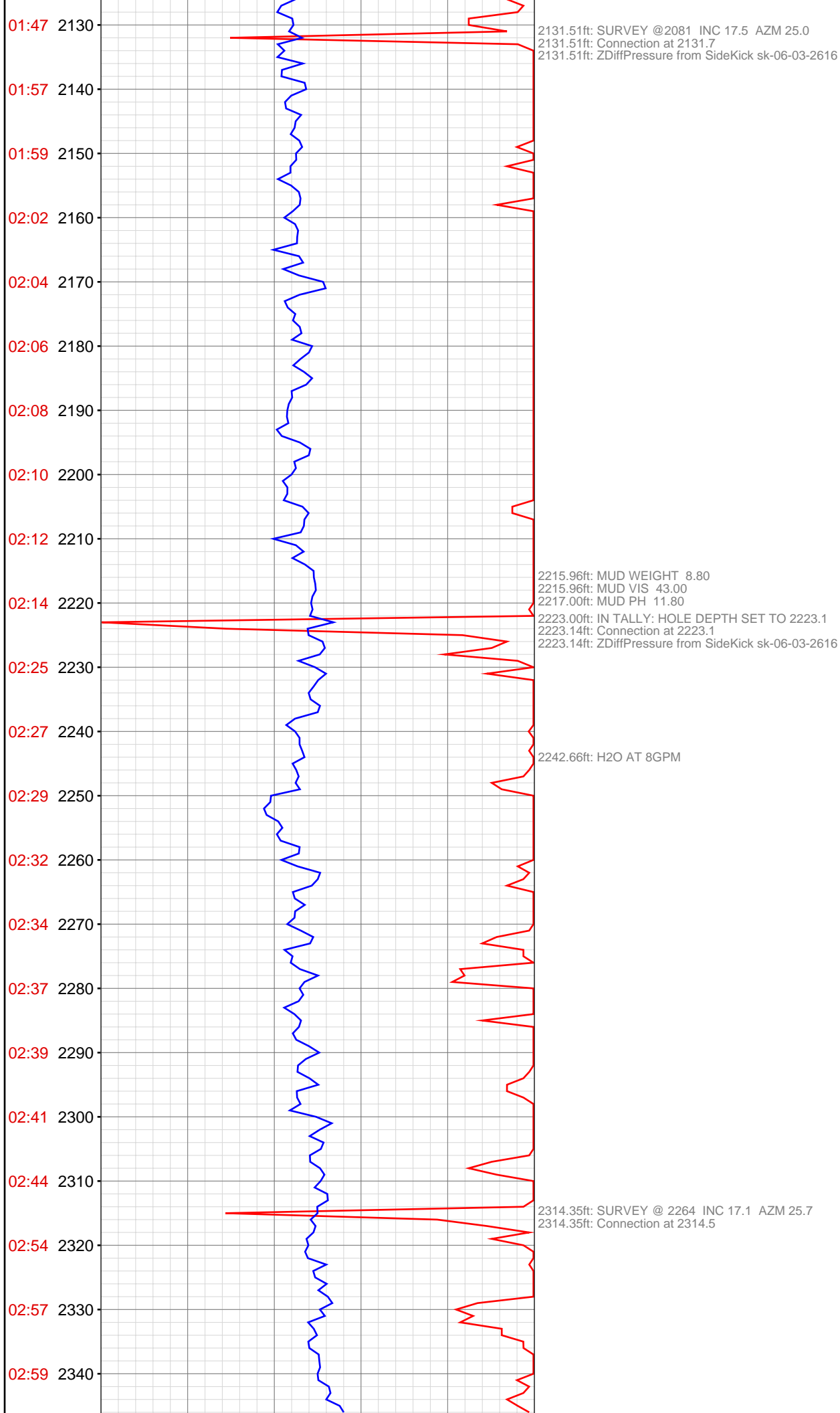
1856.75ft: SURVEY @1806 INC 19.0 AZM 22.5 Connection at 1857.0
 1856.75ft: MUD VIS 41.00
 1856.75ft: MUD WEIGHT 8.80
 1856.75ft: MUD PH 12.00
 1856.75ft: ZDiffPressure from SideKick sk-06-03-2616
 1862.81ft: PUMPED SWEEP

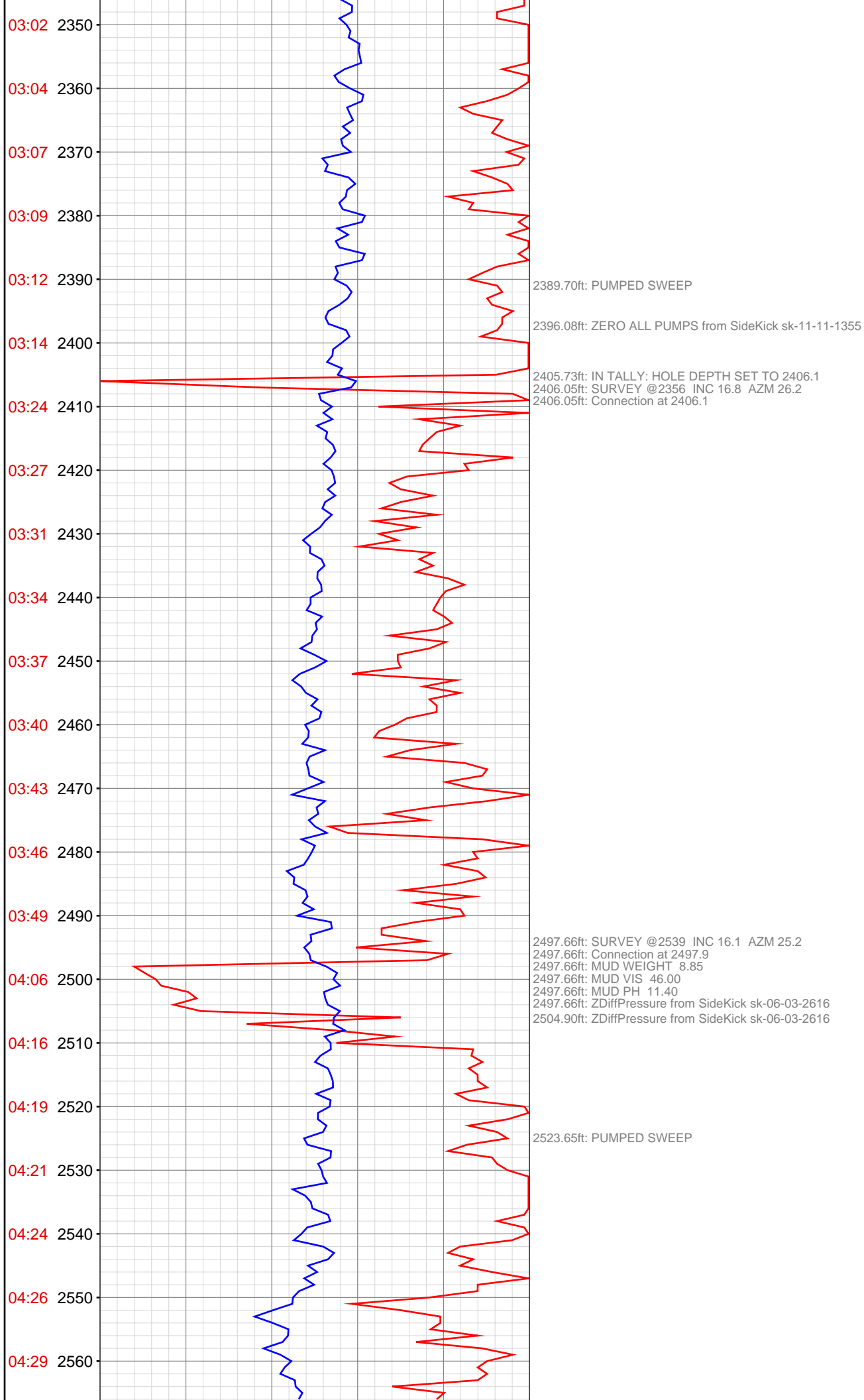
1867.08ft: H2O STARTED AT 5GPM

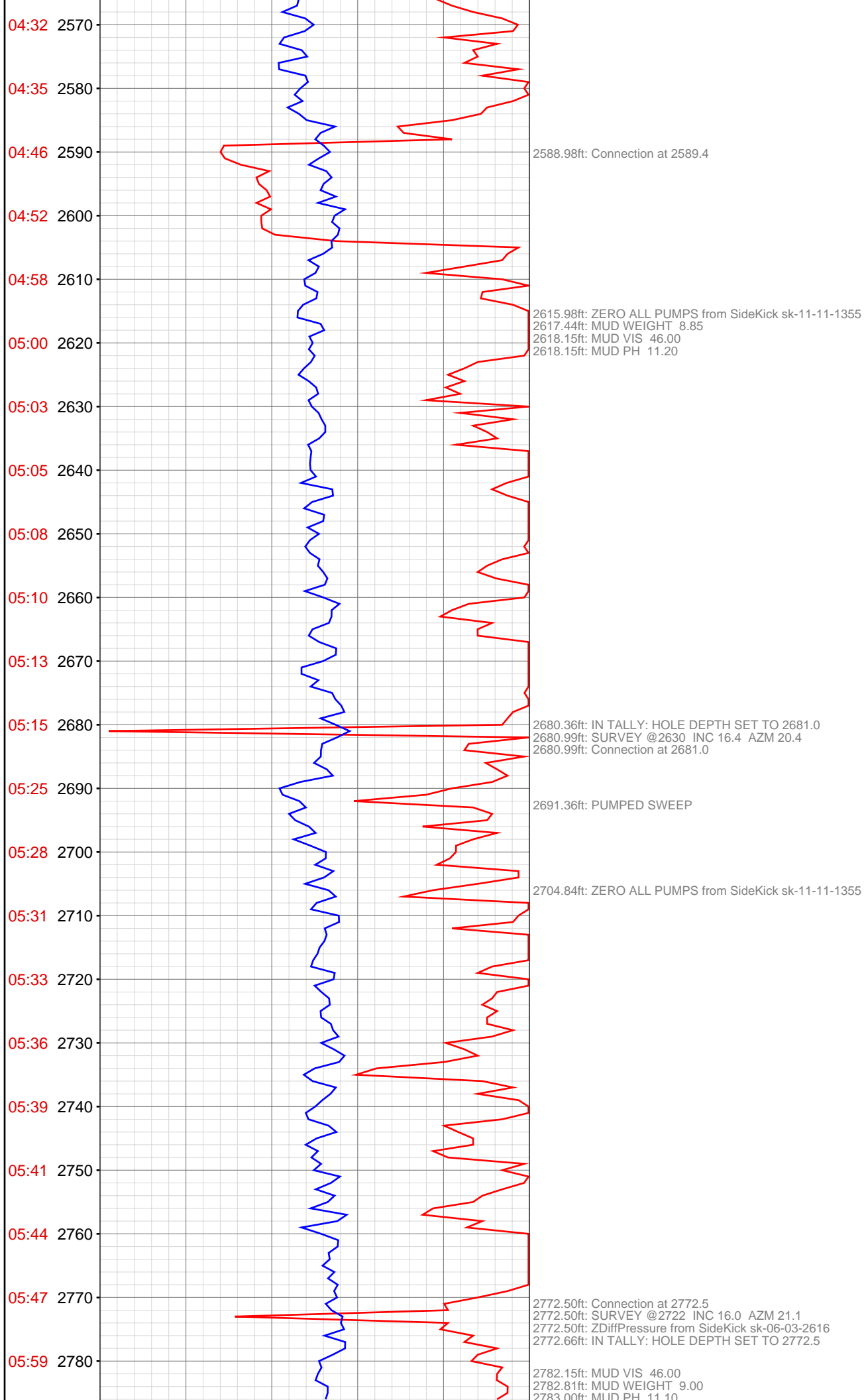
1873.52ft: ZERO ALL PUMPS from SideKick sk-11-11-1355

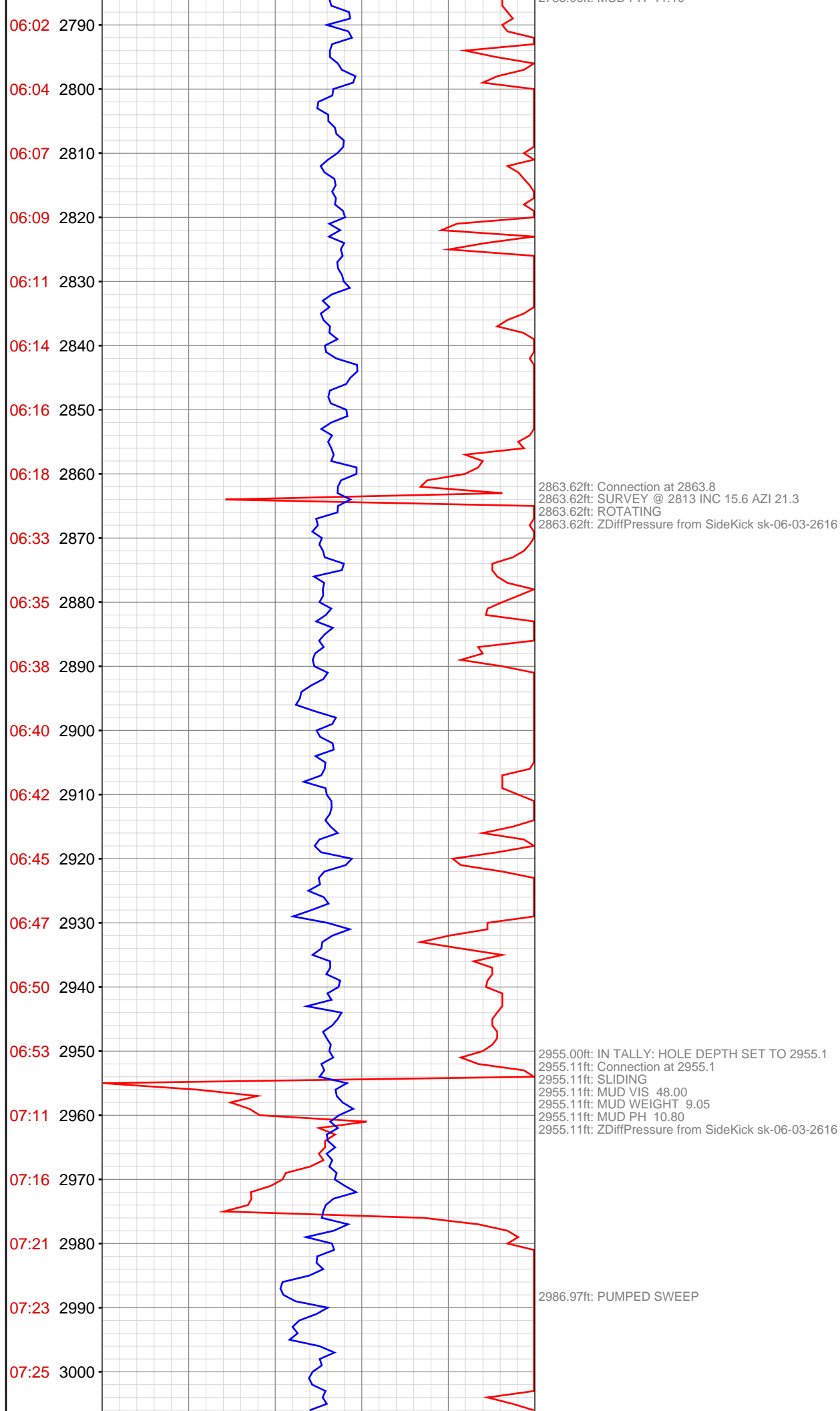


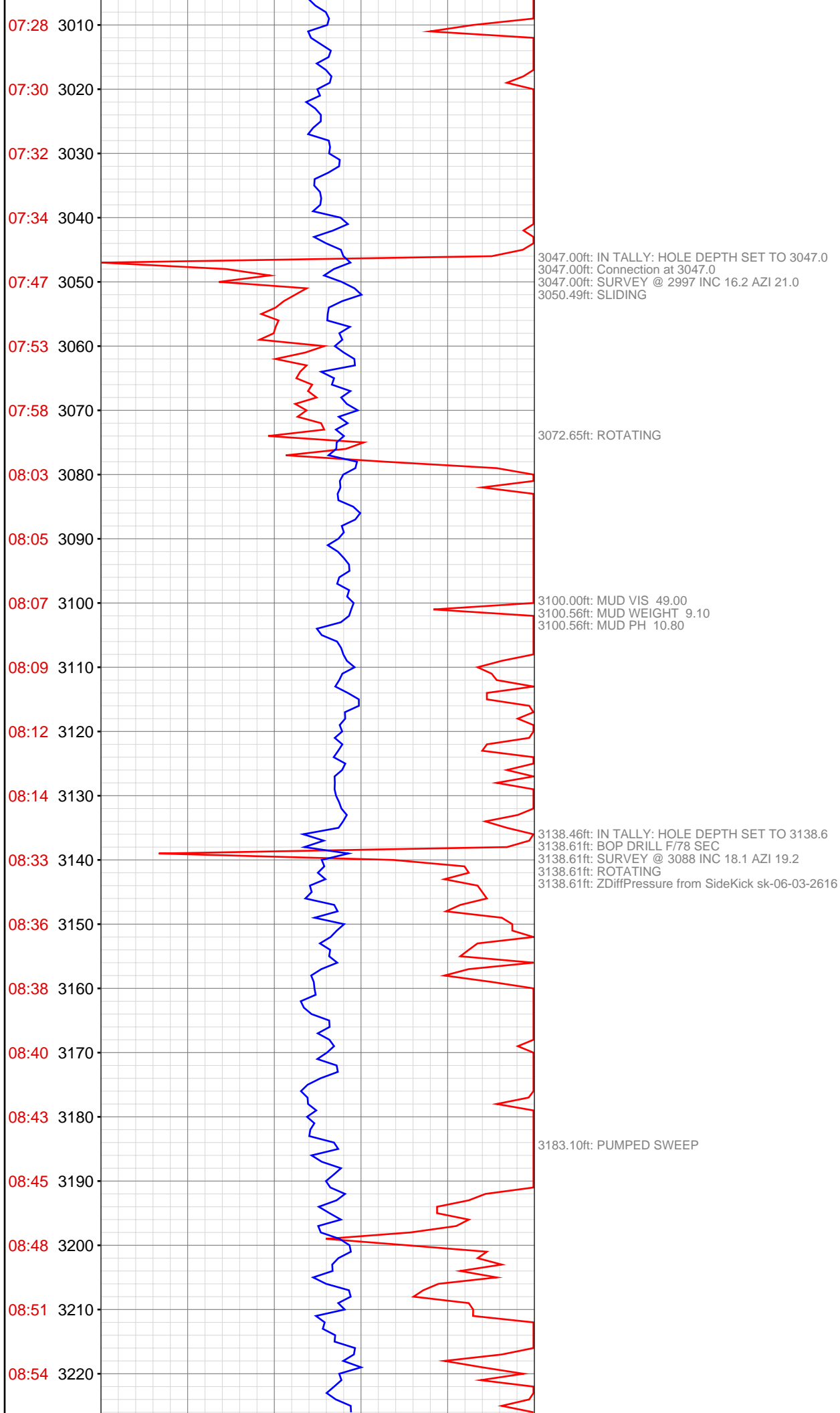


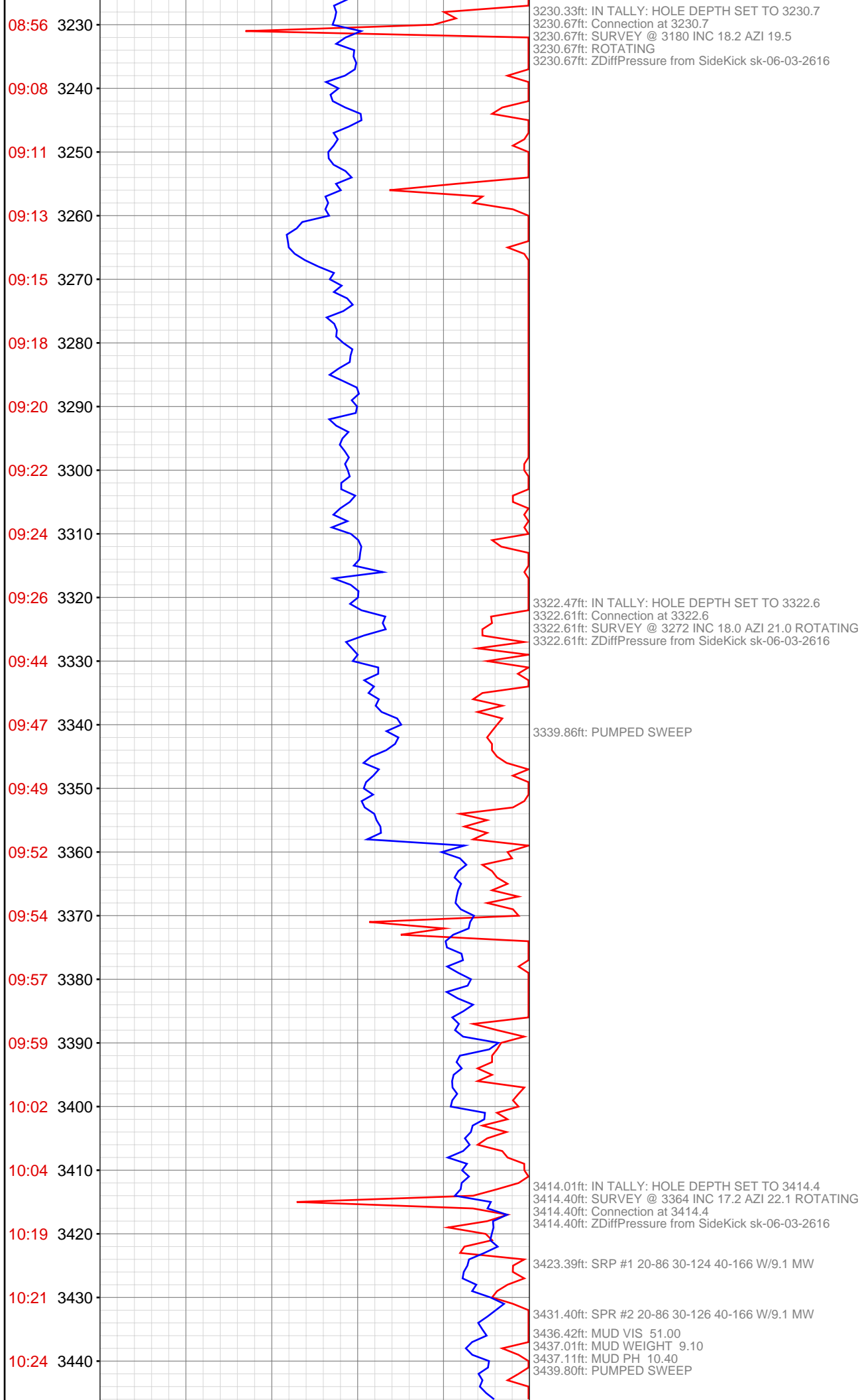


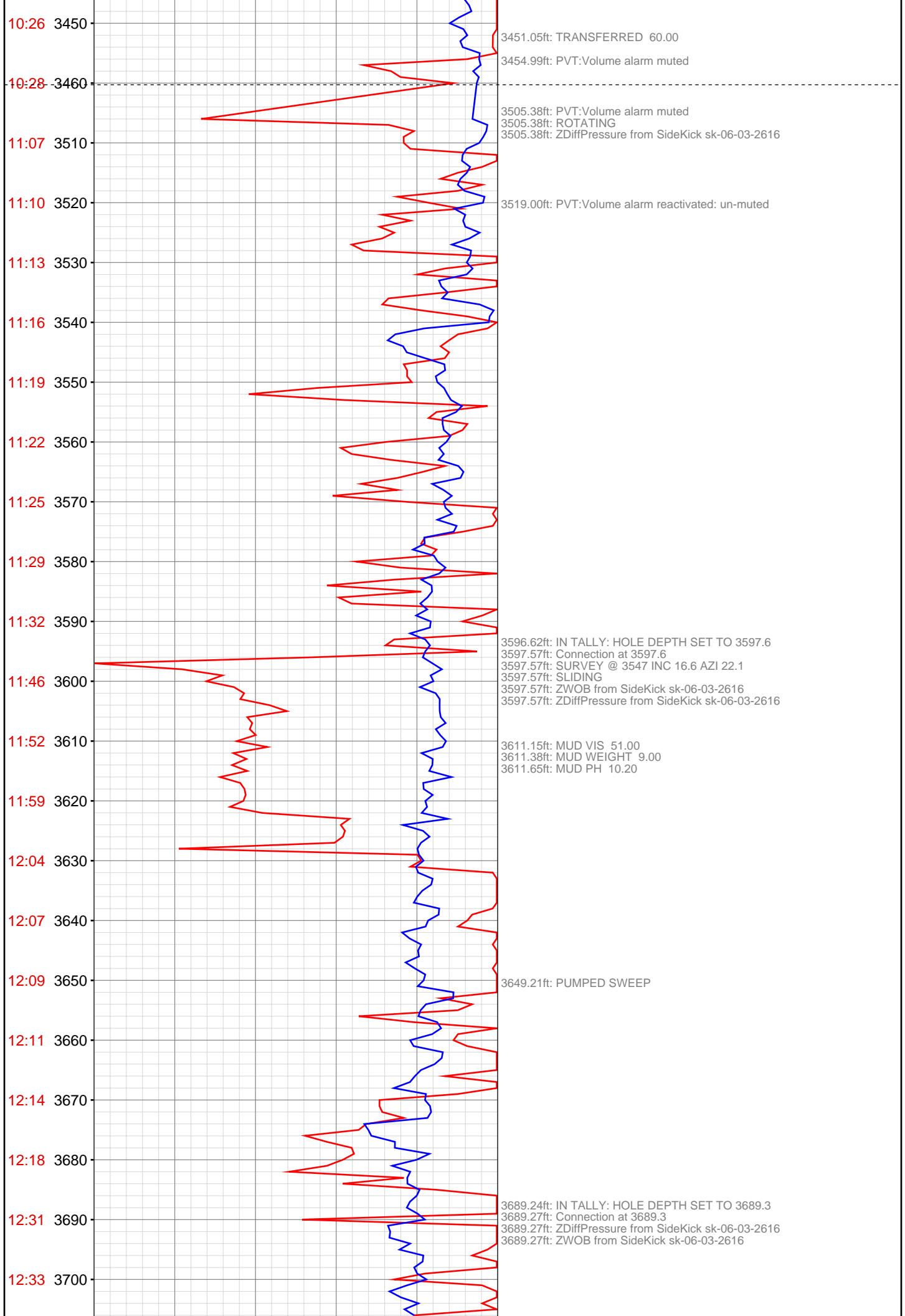


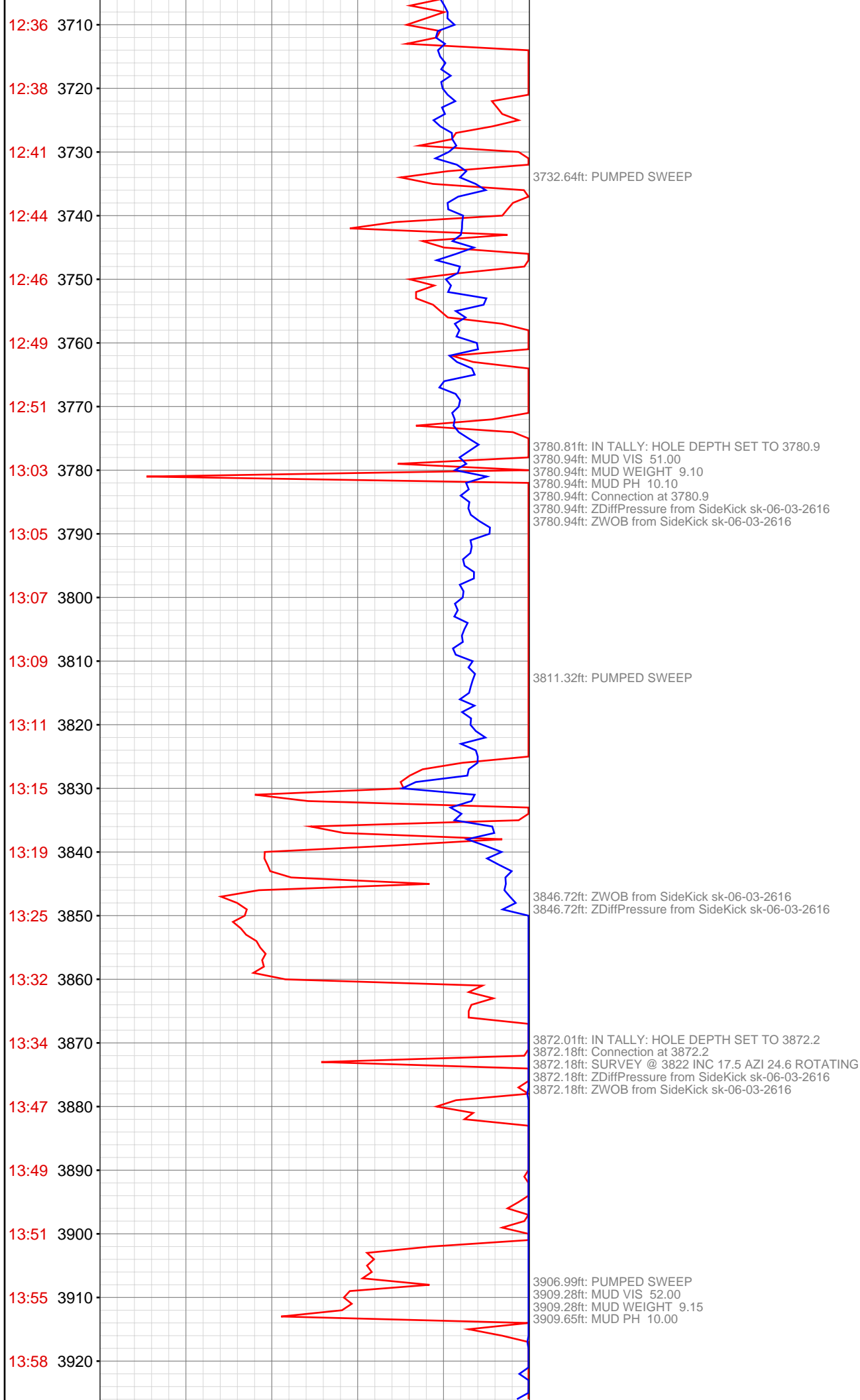


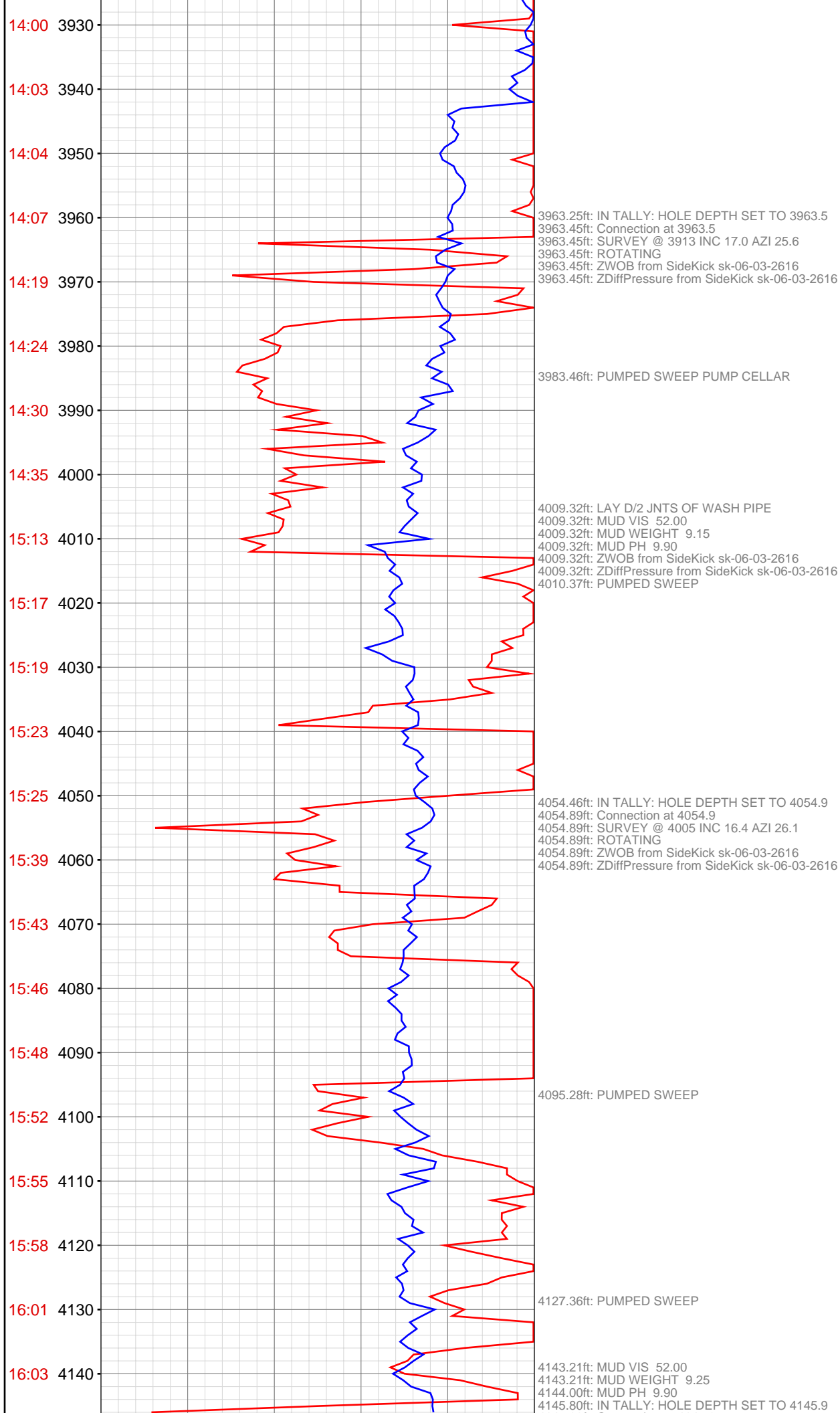


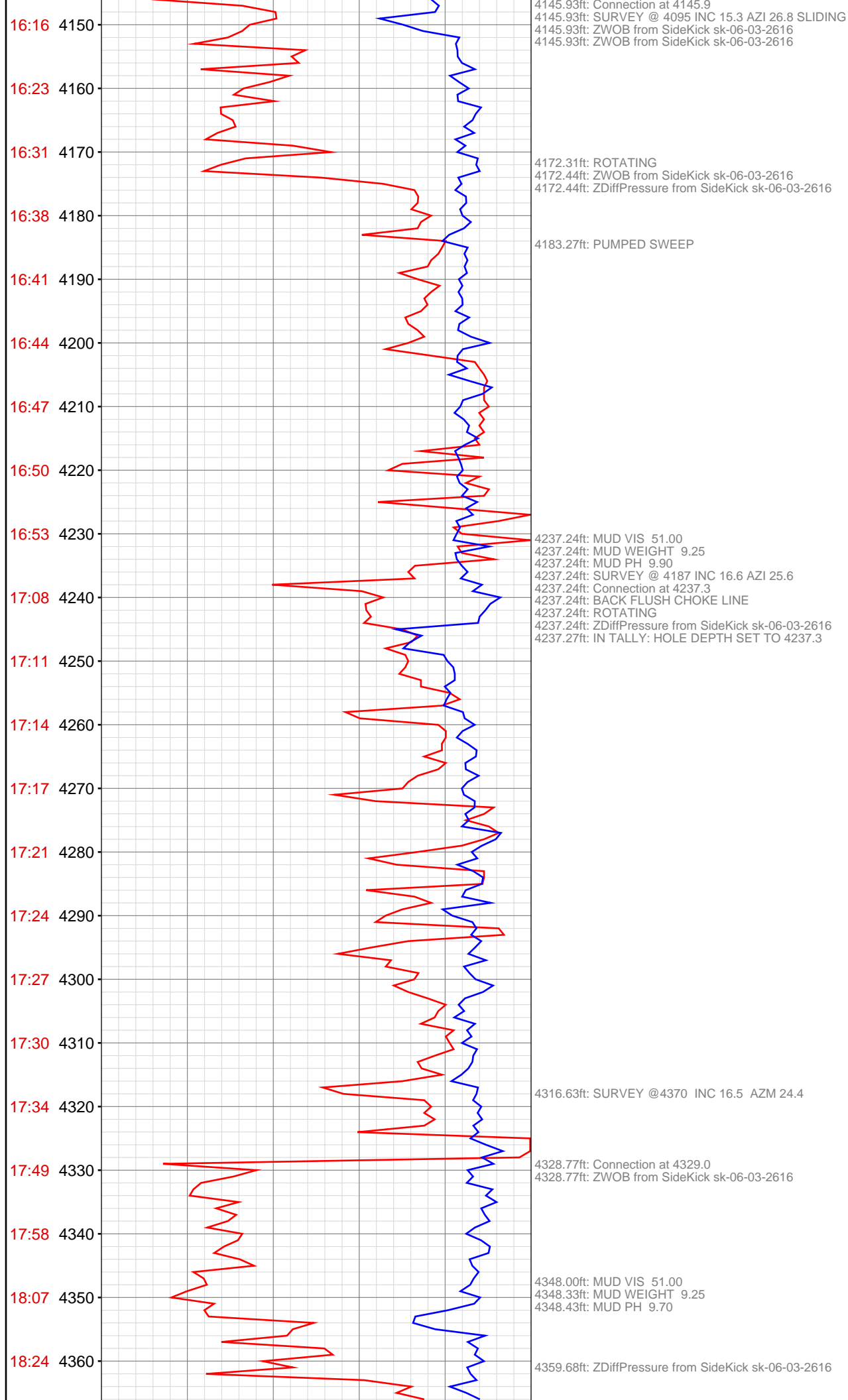


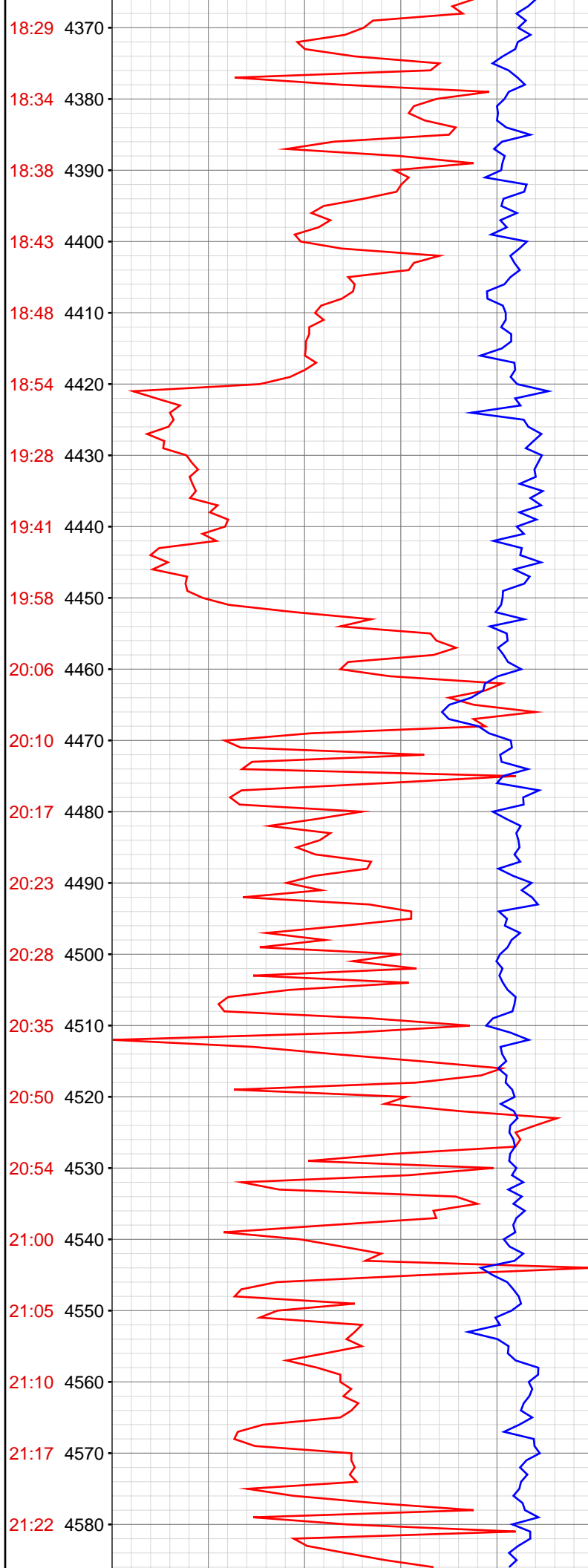












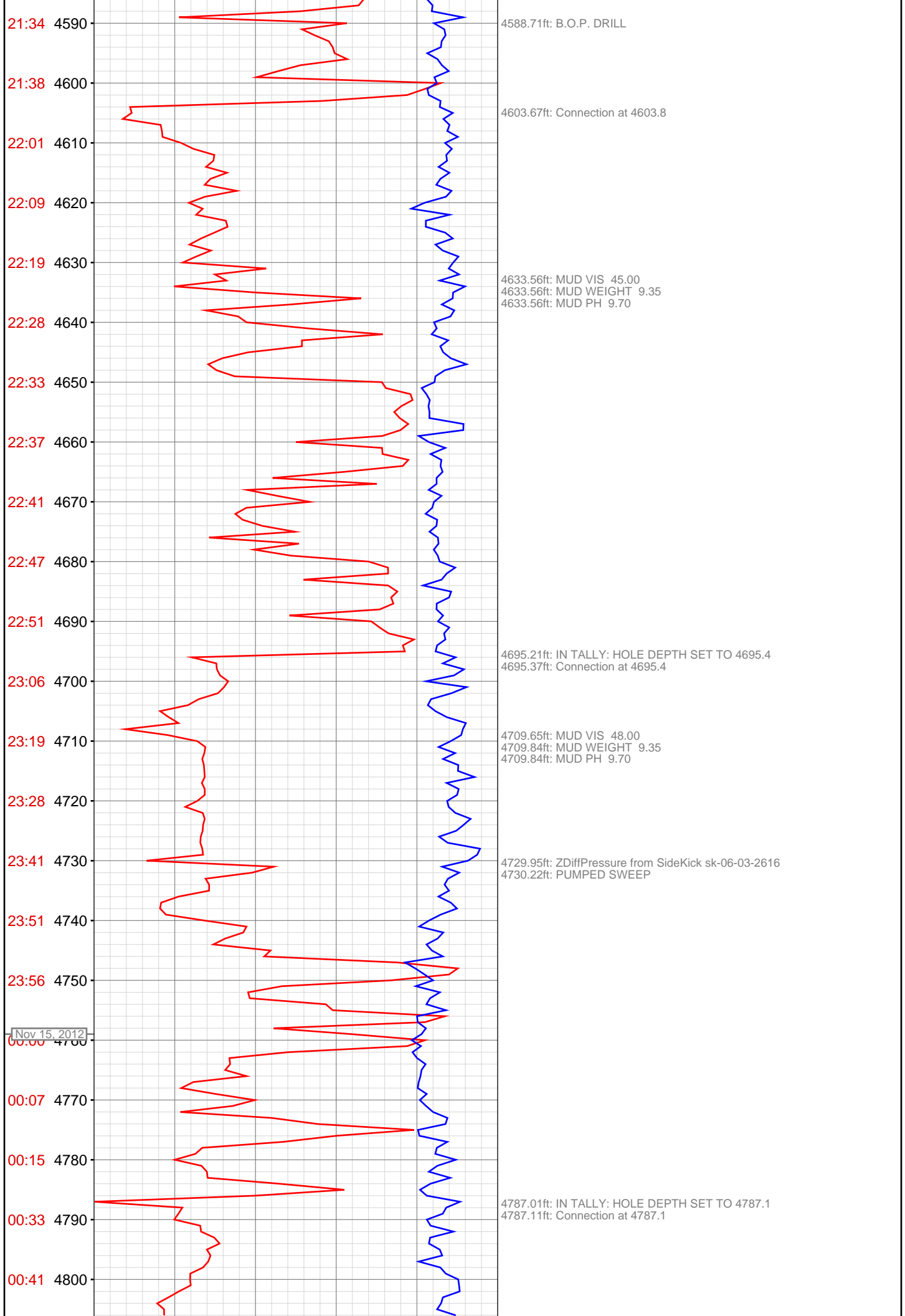
4420.14ft: IN TALLY: HOLE DEPTH SET TO 4420.5
4420.51ft: Connection at 4420.5

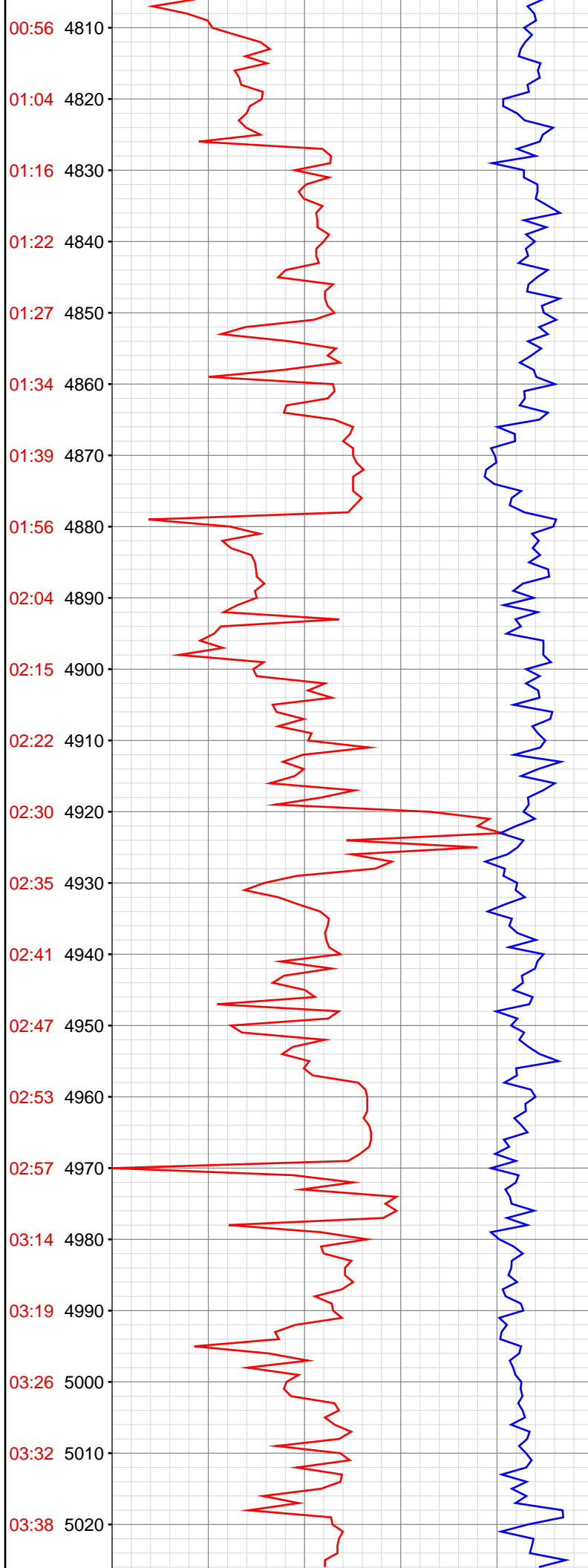
4434.51ft: MUD VIS 49.00
4434.68ft: MUD WEIGHT 9.25
4434.68ft: MUD PH 9.60

4450.46ft: ZDiffPressure from SideKick sk-06-03-2616

4512.01ft: IN TALLY: HOLE DEPTH SET TO 4512.2
4512.20ft: Connection at 4512.2
4512.20ft: SURVEY @4462 INC 16.6 AZM 18.3
4512.20ft: ZDiffPressure from SideKick sk-06-03-2616

4554.76ft: MUD VIS 51.00
4554.99ft: MUD WEIGHT 9.25
4555.12ft: MUD PH 9.40





4825.16ft: MUD VIS 49.00
4825.16ft: MUD WEIGHT 9.35
4825.16ft: MUD PH 9.70
4825.16ft: ZDiffPressure from SideKick sk-06-03-2616

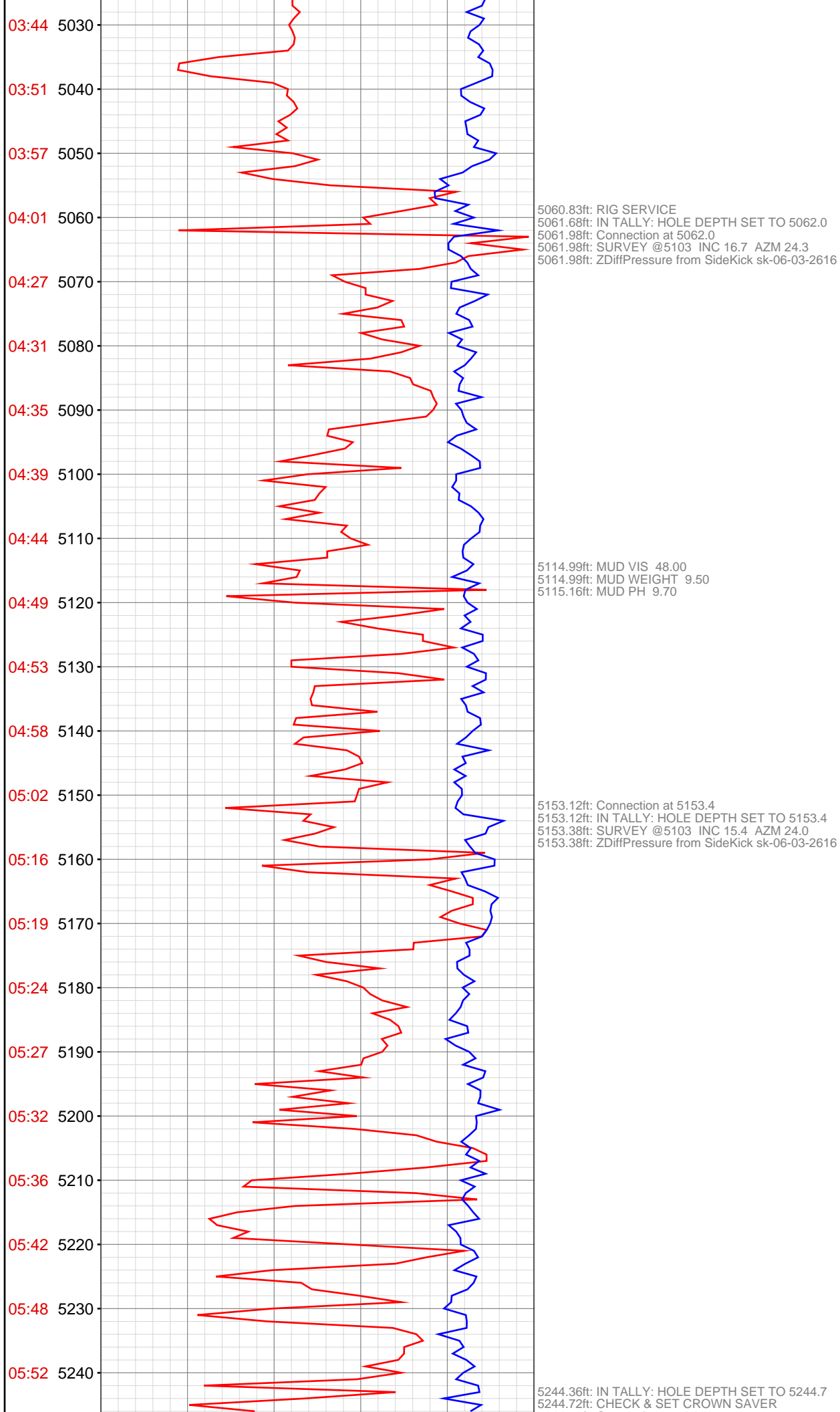
4878.90ft: Connection at 4878.9
4878.94ft: IN TALLY: HOLE DEPTH SET TO 4878.9

4910.53ft: MUD VIS 47.00
4910.53ft: MUD WEIGHT 9.35
4910.53ft: MUD PH 9.60

4918.60ft: ZDiffPressure from SideKick sk-06-03-2616
4918.60ft: PUMPED SWEEP

4969.85ft: IN TALLY: HOLE DEPTH SET TO 4970.1
4970.11ft: Connection at 4970.1
4970.11ft: SURVEY @4920 INC 17.2 AZM 24.6
4970.11ft: ZDiffPressure from SideKick sk-06-03-2616
4970.11ft: ZDiffPressure from SideKick sk-06-03-2616

4987.73ft: MUD VIS 4.88
4988.35ft: MUD VIS 48.00
4988.35ft: MUD WEIGHT 9.40
4988.35ft: MUD PH 9.40



5244.72ft: Connection at 5244.7
5244.72ft: ZDiffPressure from SideKick sk-06-03-2616

5281.59ft: MUD VIS 48.00
5282.09ft: MUD WEIGHT 9.60
5282.09ft: MUD PH 9.00

5336.12ft: IN TALLY: HOLE DEPTH SET TO 5336.3
5336.29ft: SURVEY @ 5286 INC 11.6 AZI 28.5
5336.29ft: SLIDING
5336.29ft: ZWOB from SideKick sk-06-03-2616

5342.75ft: Connection at 5336.3

5362.57ft: MUD VIS 48.00
5362.73ft: MUD WEIGHT 9.65
5362.73ft: MUD PH 9.80

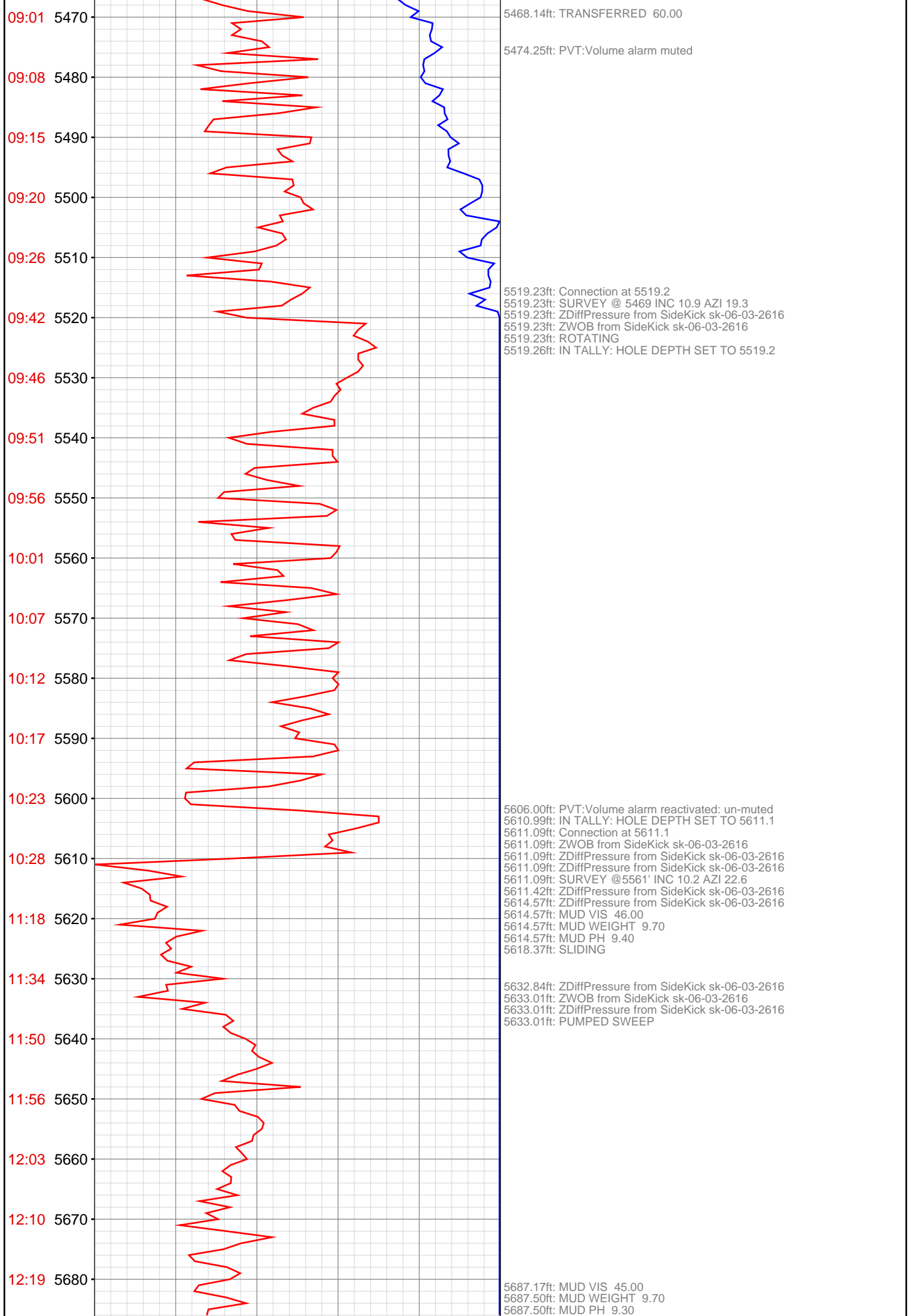
5368.11ft: ROTATING
5369.52ft: ZDiffPressure from SideKick sk-06-03-2616

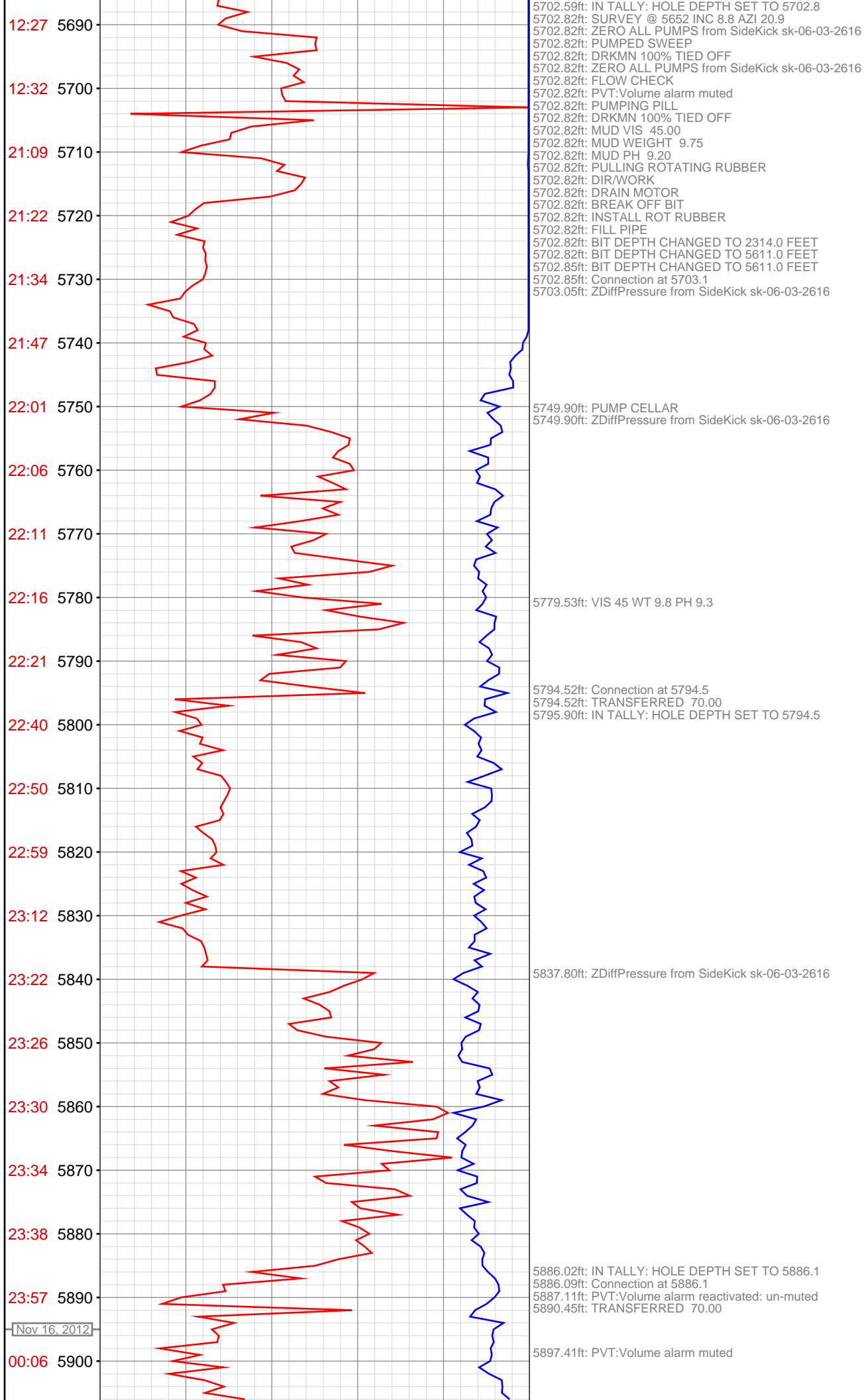
5374.25ft: PUMPED SWEEP

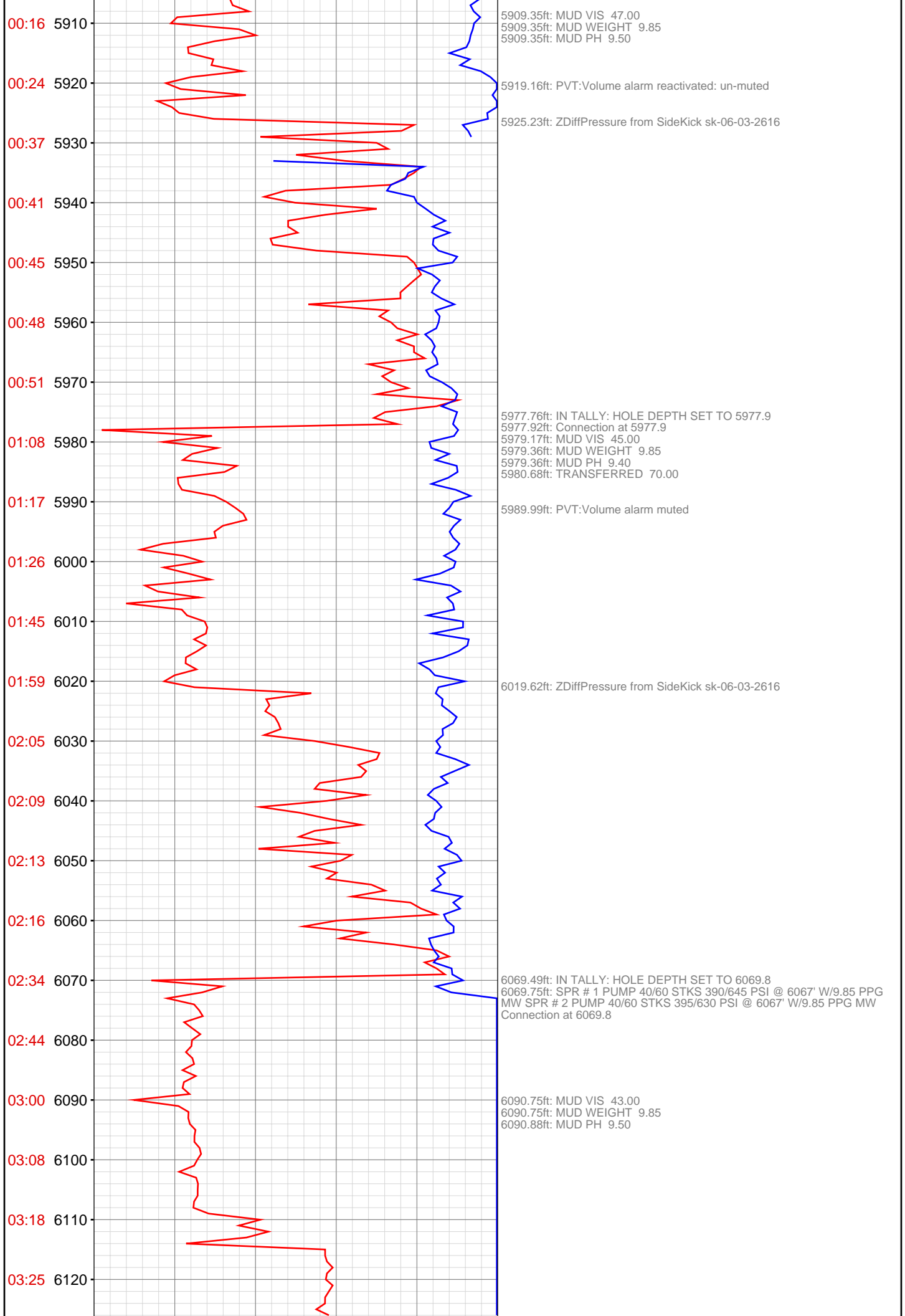
5427.72ft: IN TALLY: HOLE DEPTH SET TO 5427.9
5427.89ft: Connection at 5427.9
5427.92ft: SURVEY @5377' INC 11.4 AZ 25.5
5427.99ft: ZWOB from SideKick sk-06-03-2616
5428.84ft: SLIDING

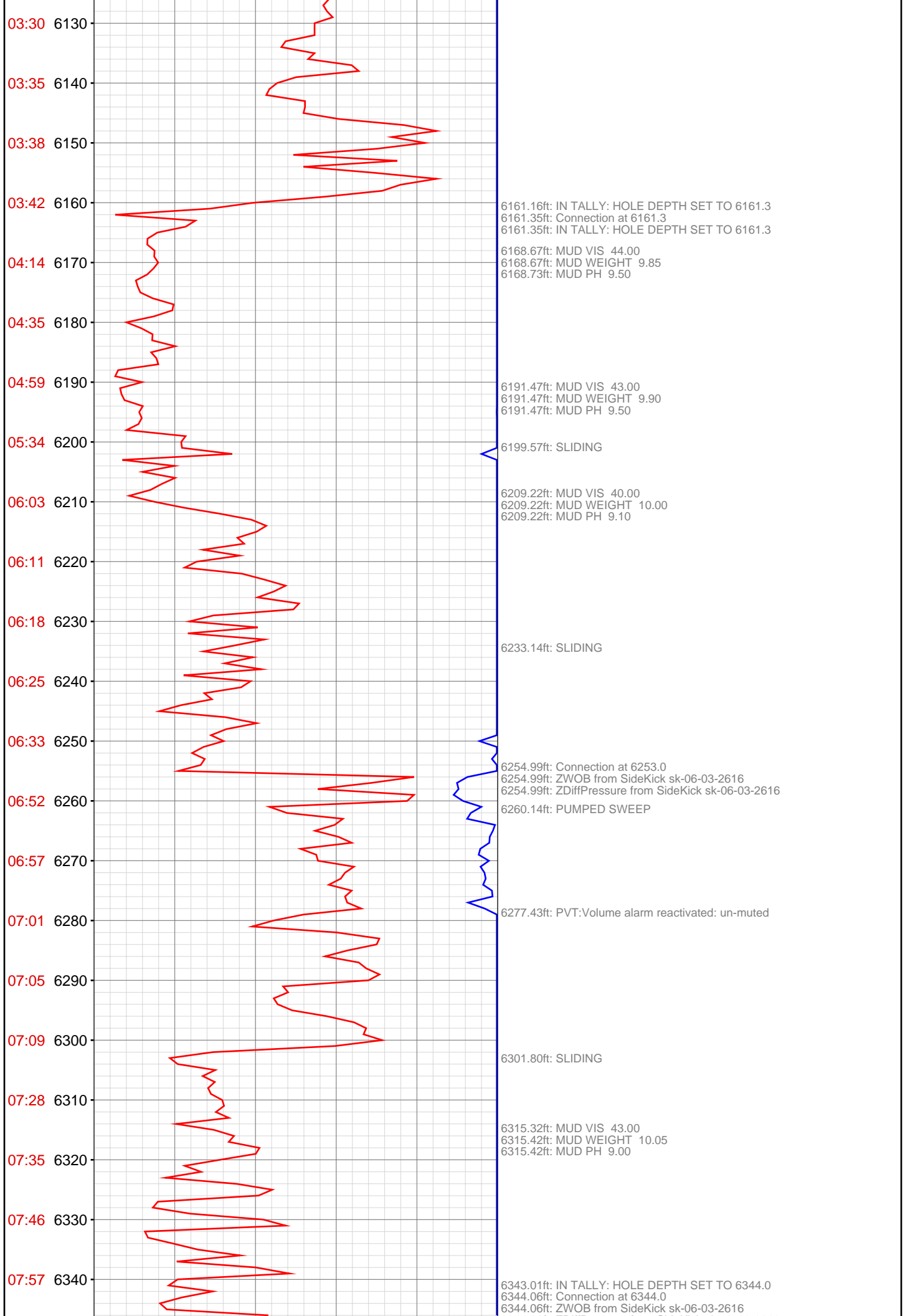
5436.78ft: MUD VIS 49.00
5436.78ft: MUD WEIGHT 9.70
5437.01ft: MUD PH 9.40

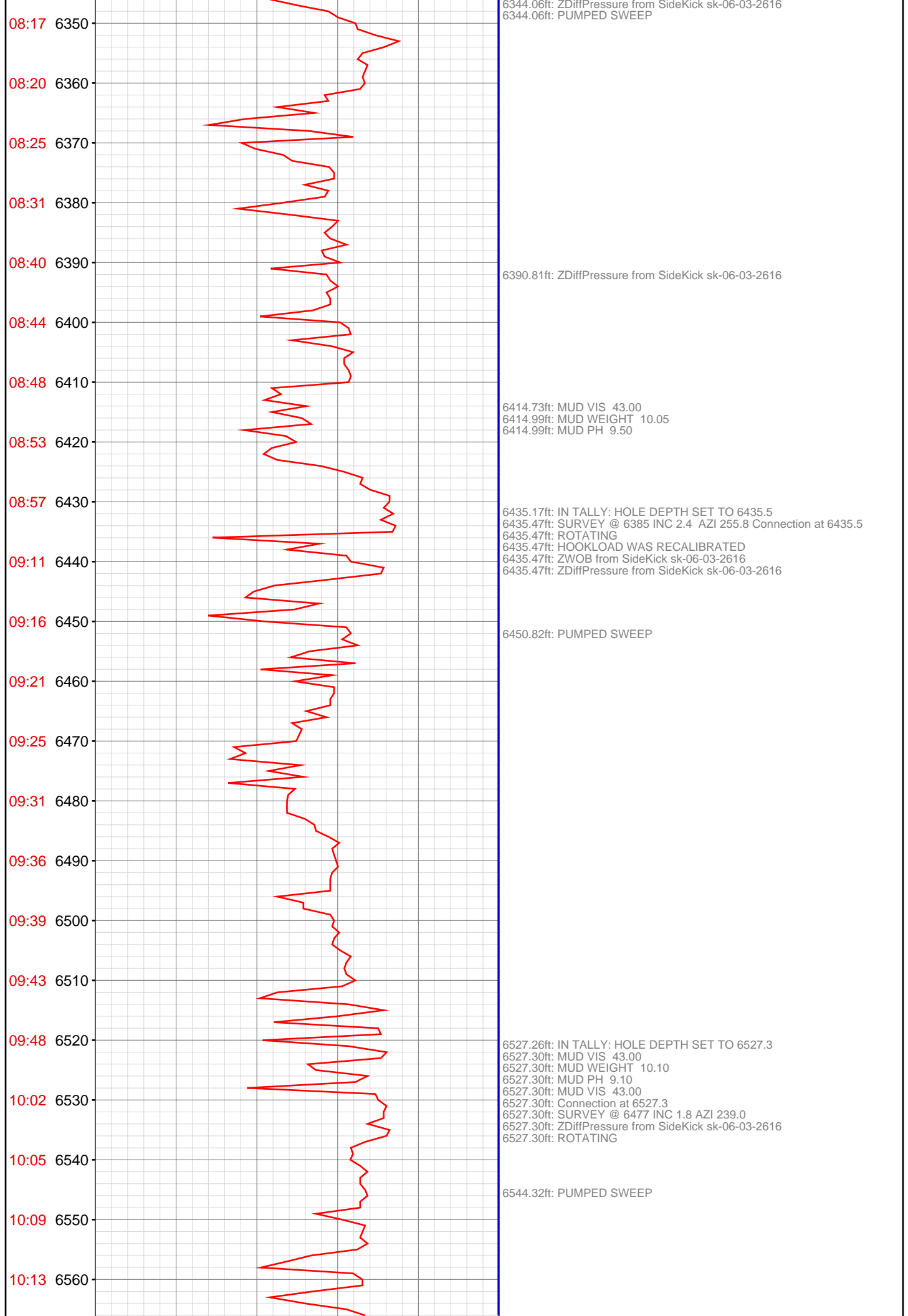
5449.87ft: ROTATING
5449.87ft: ZDiffPressure from SideKick sk-06-03-2616

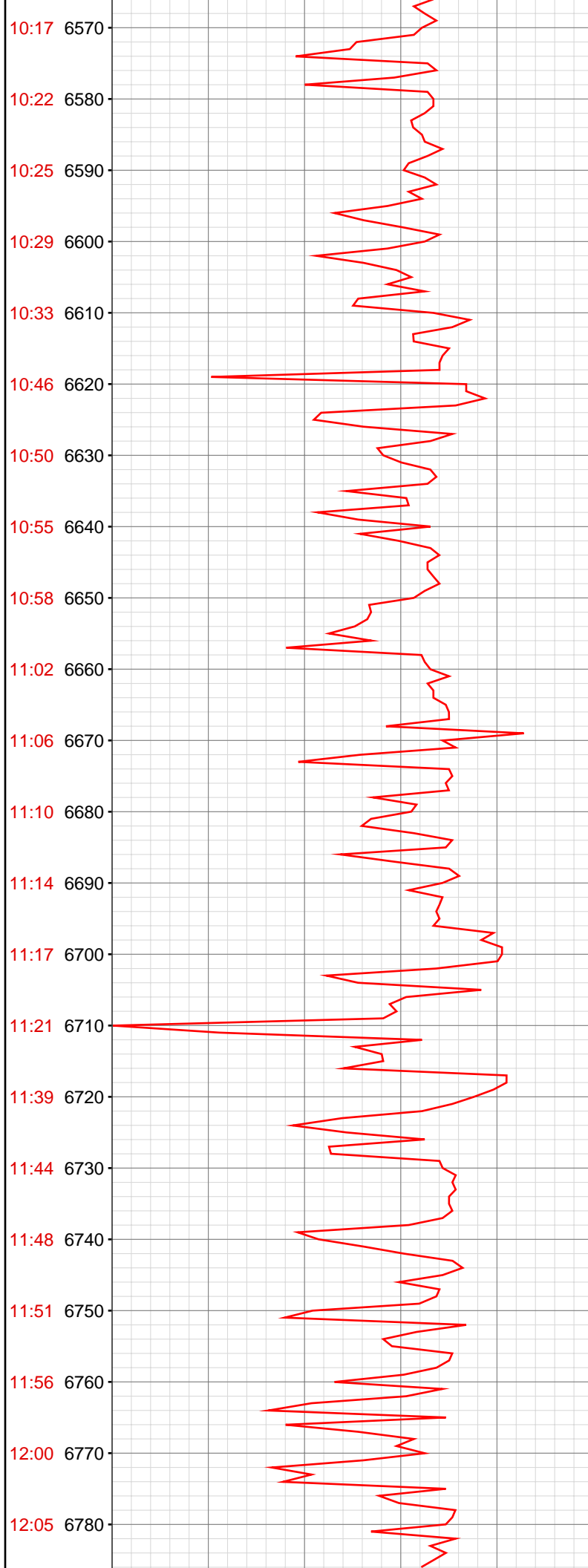












6618.60ft: IN TALLY: HOLE DEPTH SET TO 6618.8
6618.77ft: Connection at 6618.8
6618.77ft: SURVEY @ 6568 INC 1.8 AZI 225.8
6618.77ft: ROTATING
6618.77ft: ZDiffPressure from SideKick sk-06-03-2616

6631.50ft: PUMPED SWEEP

6646.00ft: MUD VIS 47.00
6646.29ft: MUD WEIGHT 10.15
6646.29ft: MUD PH 9.90

6710.01ft: IN TALLY: HOLE DEPTH SET TO 6710.5
6710.47ft: SURVEY @ 6660 INC 1.7 AZI 204.8 ROTATING
6710.47ft: Connection at 6710.5
6710.47ft: ZWOB from SideKick sk-06-03-2616
6710.47ft: ZDiffPressure from SideKick sk-06-03-2616

6723.29ft: PUMPED SWEEP

12:09 6790
12:13 6800
12:31 6810
12:43 6820
12:58 6830
13:03 6840
13:07 6850
13:11 6860
13:15 6870
13:21 6880
13:24 6890
13:38 6900
13:43 6910
13:47 6920
13:51 6930
14:00 6940
14:11 6950
14:33 6960
14:48 6970
14:59 6980
15:17 6990
15:22 7000

6801.71ft: IN TALLY: HOLE DEPTH SET TO 6801.9
6801.87ft: Connection at 6801.9
6801.87ft: ZWOB from SideKick sk-06-03-2616
6801.87ft: ZDiffPressure from SideKick sk-06-03-2616
6801.87ft: SURVEY @ 6751' INC 1.8 AZI 180.9
6802.99ft: MUD VIS 48.00
6803.15ft: MUD WEIGHT 10.25
6803.25ft: MUD PH 9.50
6806.33ft: SLIDING

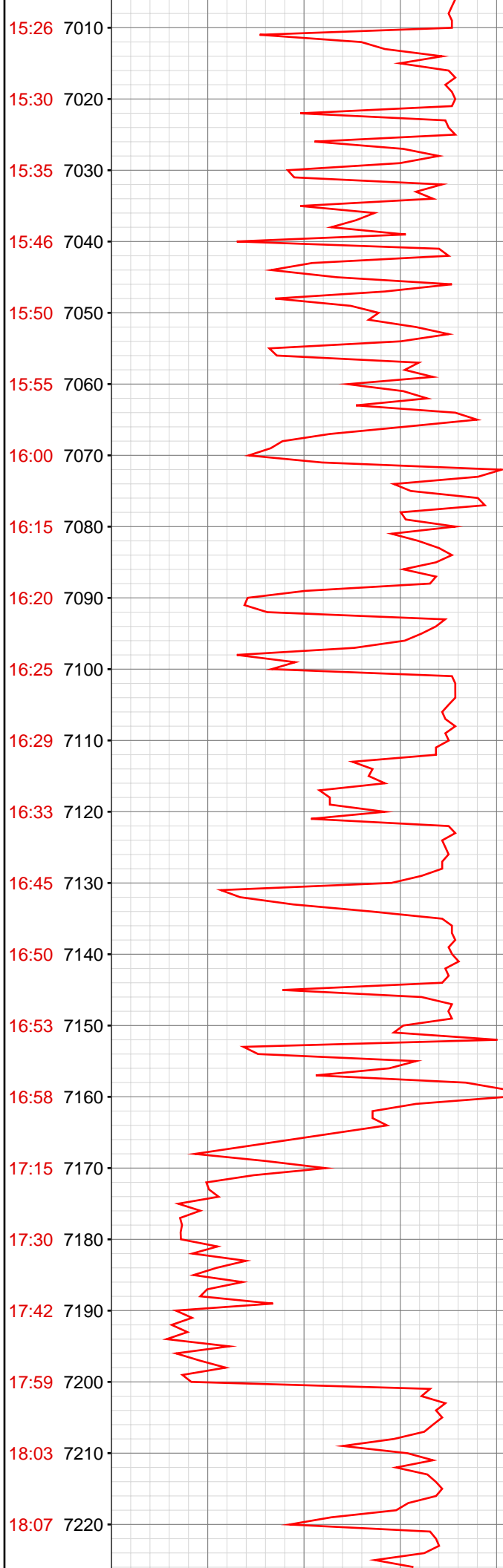
6827.30ft: ROTATING
6829.46ft: ZDiffPressure from SideKick sk-06-03-2616
6829.46ft: ZWOB from SideKick sk-06-03-2616
6829.46ft: ZDiffPressure from SideKick sk-06-03-2616

6893.01ft: IN TALLY: HOLE DEPTH SET TO 6893.2
6893.27ft: DRKMN 100% TIED OFF
6893.27ft: Connection at 6893.2
6893.27ft: ZDiffPressure from SideKick sk-06-03-2616
6893.27ft: MUD VIS 48.00
6893.27ft: MUD WEIGHT 10.35
6893.27ft: MUD PH 9.30
6893.27ft: MUD WEIGHT 10.35

6941.96ft: SLIDING

6964.24ft: MUD VIS 48.00
6964.24ft: MUD WEIGHT 10.40
6964.24ft: MUD PH 9.10

6984.38ft: IN TALLY: HOLE DEPTH SET TO 6984.6
6984.58ft: DRKMN 100% TIED OFF
6984.61ft: Connection at 6984.6
6984.61ft: SURVEY @ 6934 INC 2.1 AZI 202.9
6984.61ft: ZDiffPressure from SideKick sk-06-03-2616
6985.40ft: ROTATING



7034.22ft: ZWOB from SideKick sk-06-03-2616
7034.22ft: ZDiffPressure from SideKick sk-06-03-2616

7052.00ft: MUD VIS 49.00
7052.00ft: MUD WEIGHT 10.50
7052.46ft: MUD PH 9.40

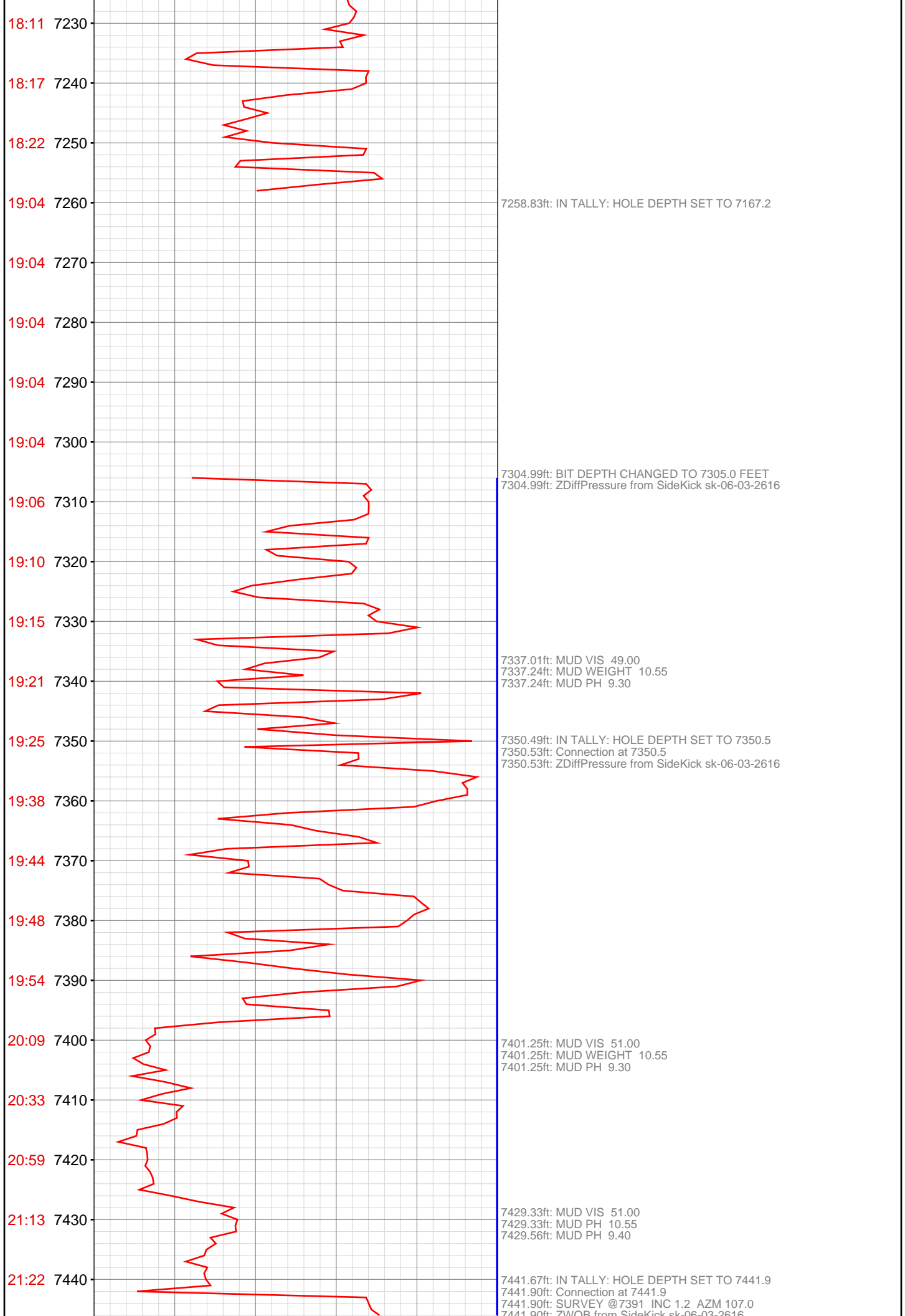
7075.56ft: IN TALLY: HOLE DEPTH SET TO 7075.7
7075.69ft: DRKMN 100% TIED OFF
7075.69ft: Connection at 7075.7
7075.69ft: SURVEY @ 7025 INC 1.4 AZI 53.0
7075.69ft: ZWOB from SideKick sk-06-03-2616
7075.69ft: ZDiffPressure from SideKick sk-06-03-2616
7075.69ft: ROTATING

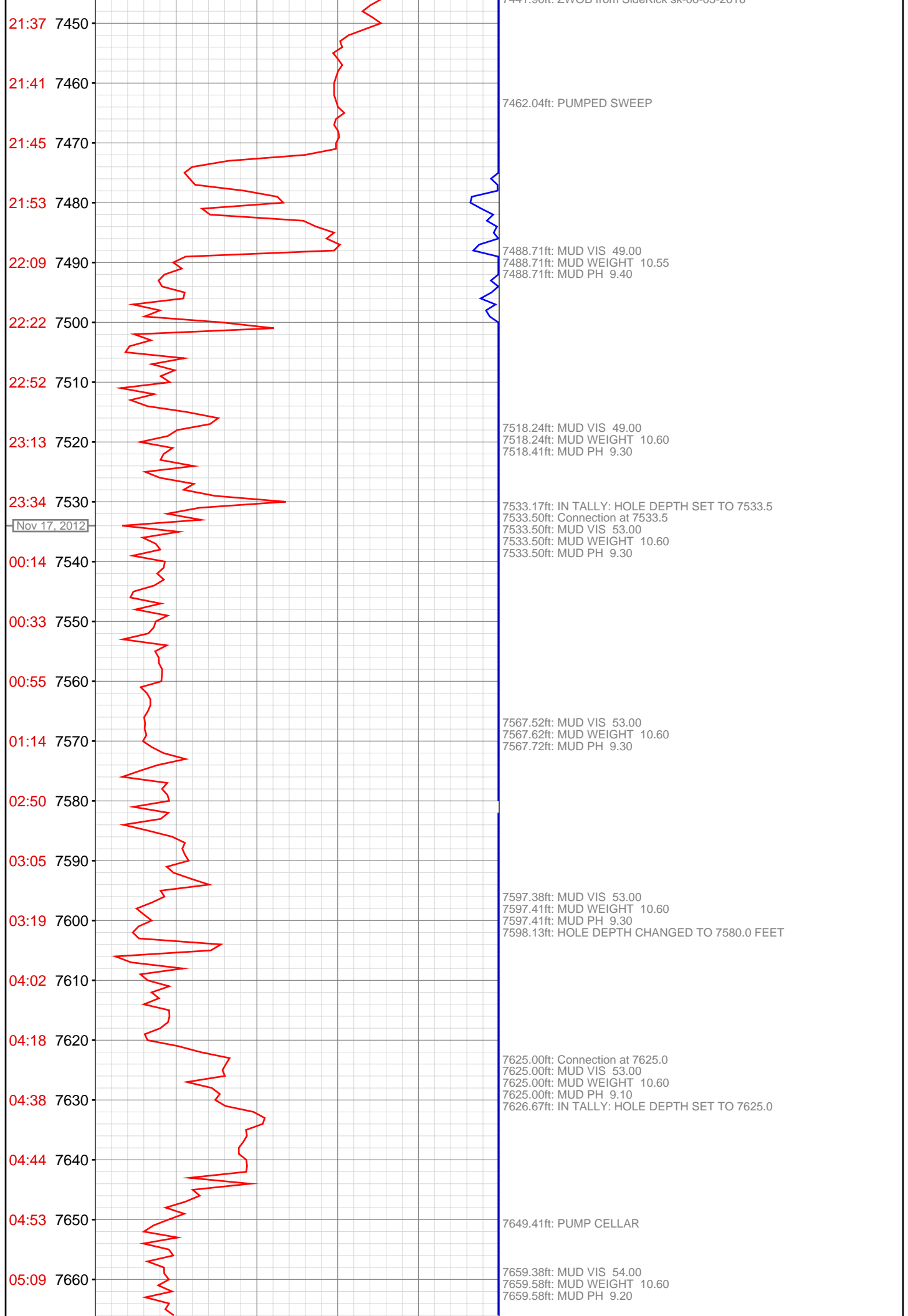
7120.83ft: SURVEY
7120.83ft: SPR #1 20-86 30-125 40-167 W/10.5 MW
7120.83ft: ZWOB from SideKick sk-06-03-2616
7120.83ft: ZDiffPressure from SideKick sk-06-03-2616
7120.83ft: SPR #2 20-85 30-126 40-166 W/10.5 MW @7126'

7165.09ft: IN TALLY: HOLE DEPTH SET TO 7167.2
7167.22ft: MUD VIS 49.00
7167.22ft: MUD WEIGHT 10.55
7167.22ft: MUD PH 9.90
7167.22ft: DRKMN 100% TIED OFF
7167.22ft: ZDiffPressure from SideKick sk-06-03-2616
7167.22ft: ZWOB from SideKick sk-06-03-2616
7167.22ft: DRKMN 100% TIED OFF
7167.22ft: Connection at 7167.2
7167.22ft: ZWOB from SideKick sk-06-03-2616
7167.22ft: ZDiffPressure from SideKick sk-06-03-2616
7171.59ft: SURVEY @ 7117 INC 1.5 AZI 87.0 SLIDING

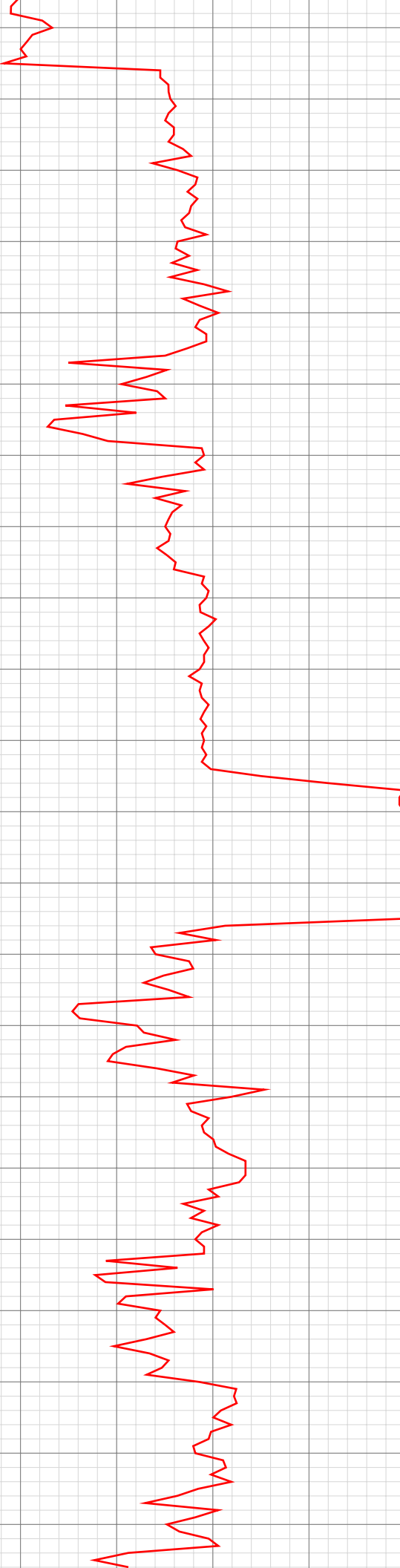
7199.61ft: ROTATING
7202.33ft: MUD VIS 50.00
7202.33ft: MUD WEIGHT 10.55
7202.99ft: MUD PH 9.30

7213.29ft: HOLE DEPTH CHANGED TO 7305.0 FEET





05:22 7670
05:37 7680
05:42 7690
05:46 7700
05:50 7710
06:08 7720
06:14 7730
06:19 7740
06:23 7750
06:27 7760
06:31 7770
06:35 7780
06:37 7790
06:40 7800
06:57 7810
07:02 7820
07:07 7830
07:11 7840
07:15 7850
07:20 7860
07:24 7870
07:29 7880



7674.34ft: ZDiffPressure from SideKick sk-06-03-2616

7716.24ft: IN TALLY: HOLE DEPTH SET TO 7716.5
7716.54ft: Connection at 7716.5
7716.54ft: ZWOB from SideKick sk-06-03-2616
7716.54ft: ZDiffPressure from SideKick sk-06-03-2616

7728.41ft: MUD VIS 50.00
7729.00ft: MUD WEIGHT 10.65
7729.23ft: MUD PH 8.80

7808.10ft: IN TALLY: HOLE DEPTH SET TO 7808.2
7808.27ft: Connection at 7808.2
7808.27ft: SURVEY @ 7758 INC .9 AZI 335.2
7808.27ft: ZDiffPressure from SideKick sk-06-03-2616
7808.27ft: ROTATING

