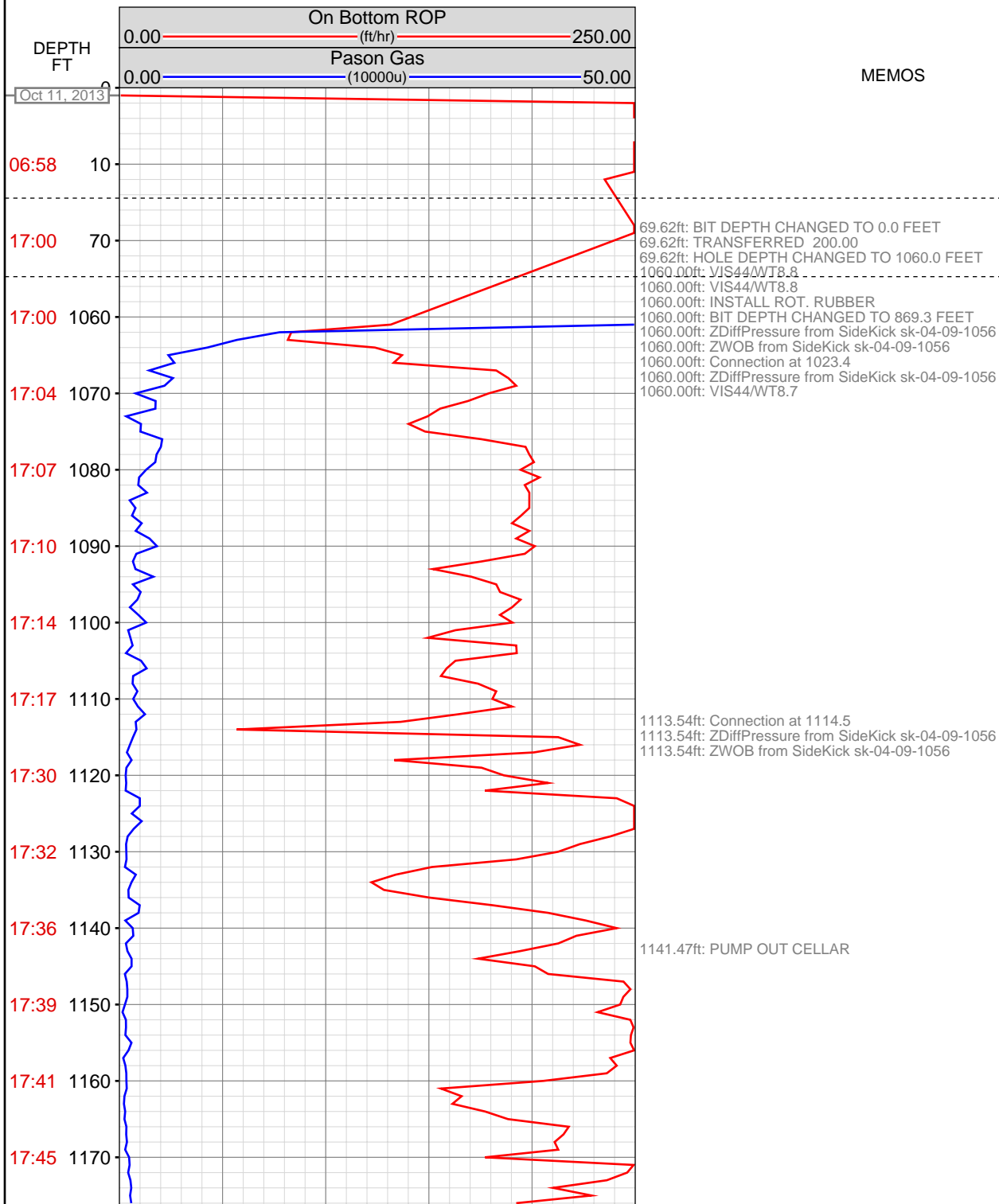


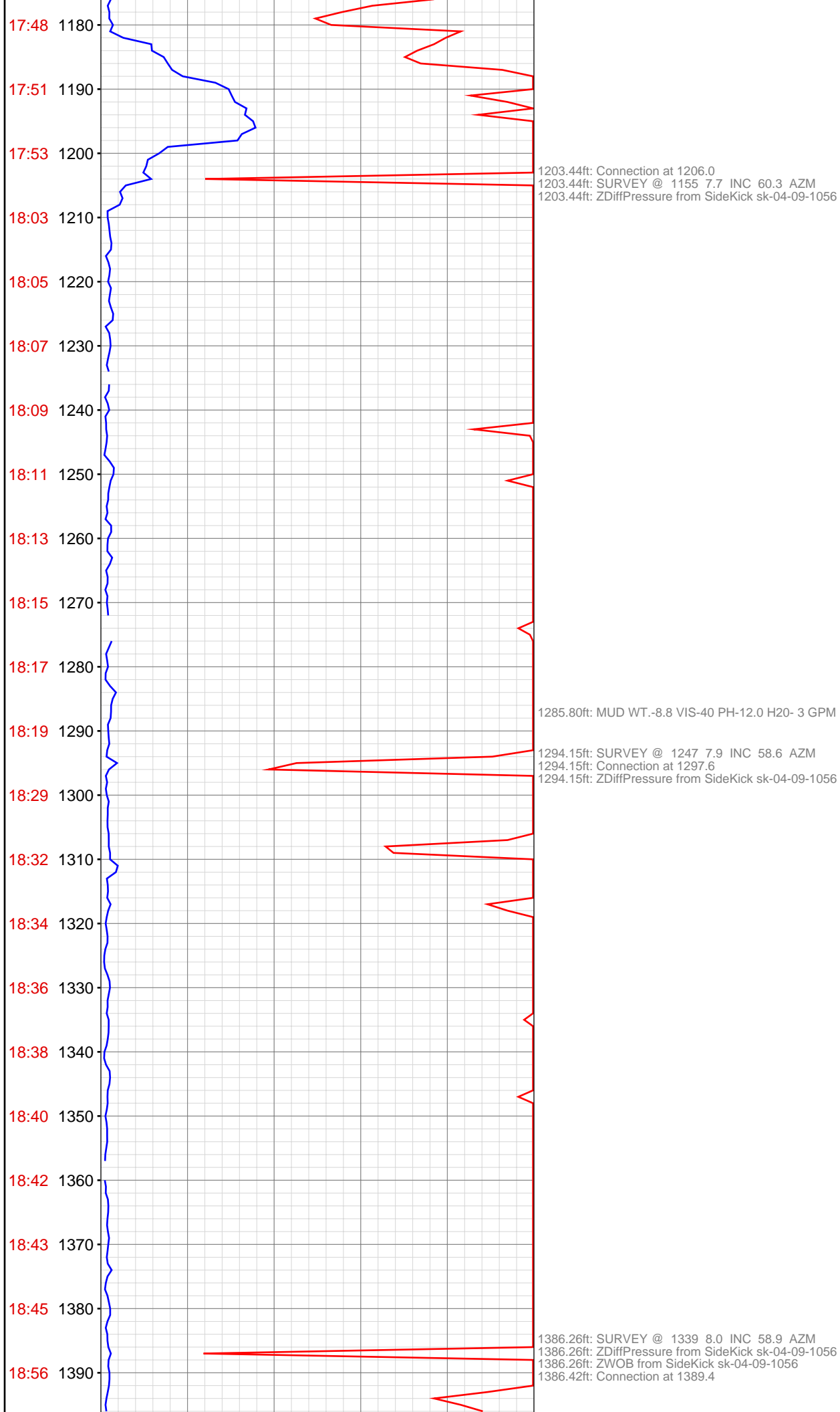
# DataHub EDR Log

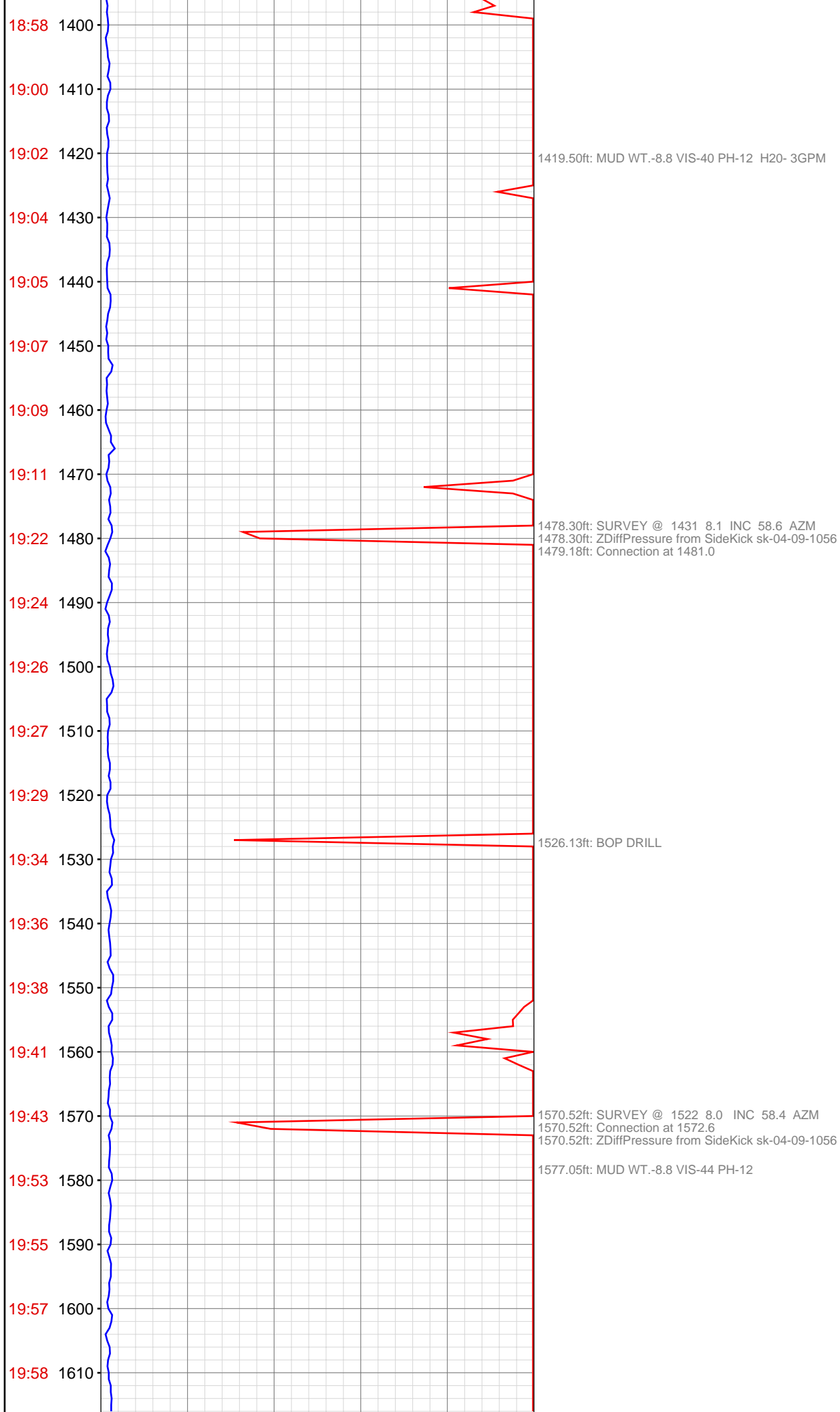
Mon Oct 14, 2013 10:51:11  
Well Dossier 1381490268  
Greg Veregin

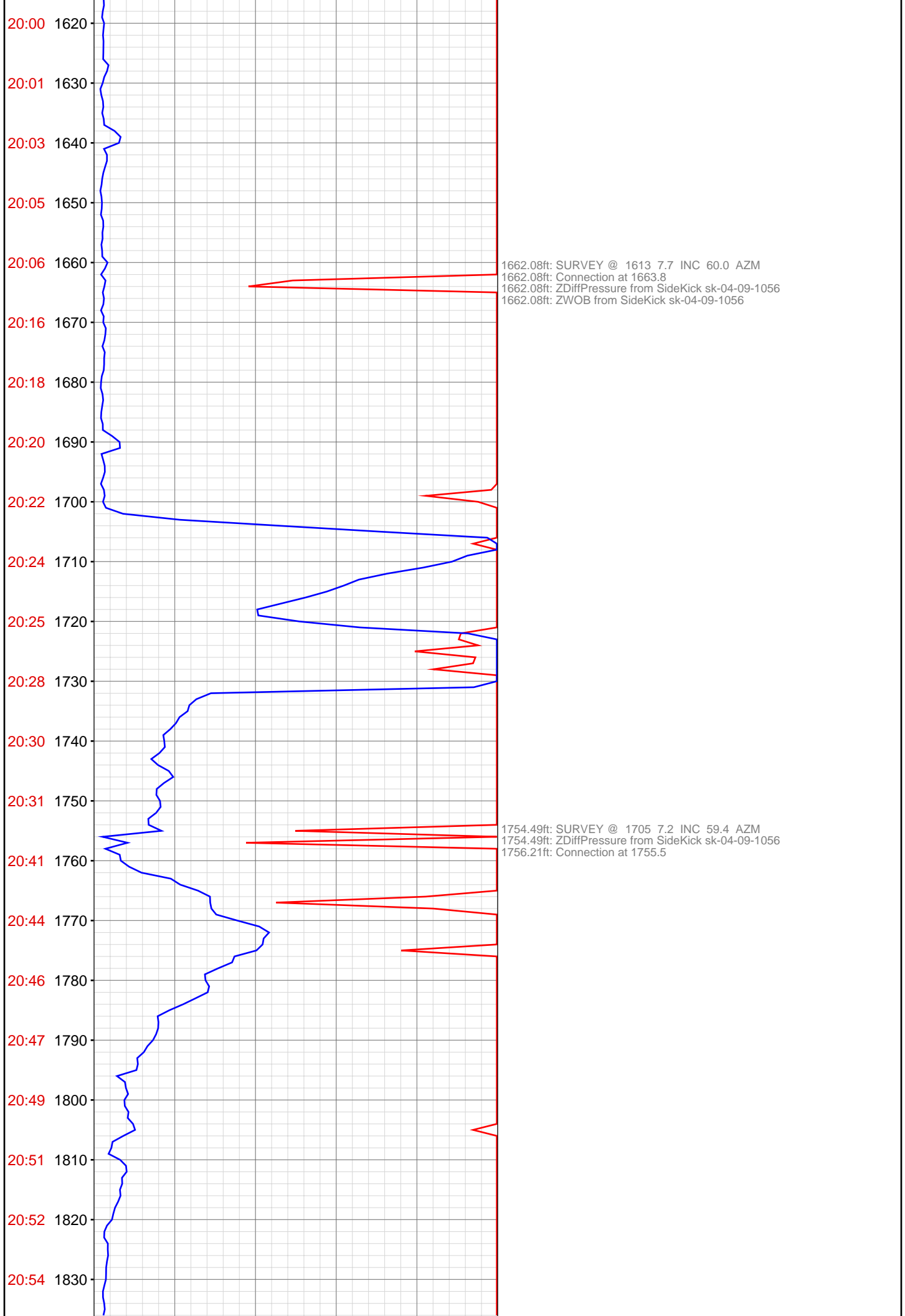
**OPERATOR:** EnCana Oil & Gas (USA), Inc.  
**WELL:** Hagen 22-3A  
**FIELD:**  
**LOCATION:** 1/12 SW SW SEC 04/09, T013S, R32W5  
**COUNTRY:** USA  
**RIG:** Pat-UTI 303

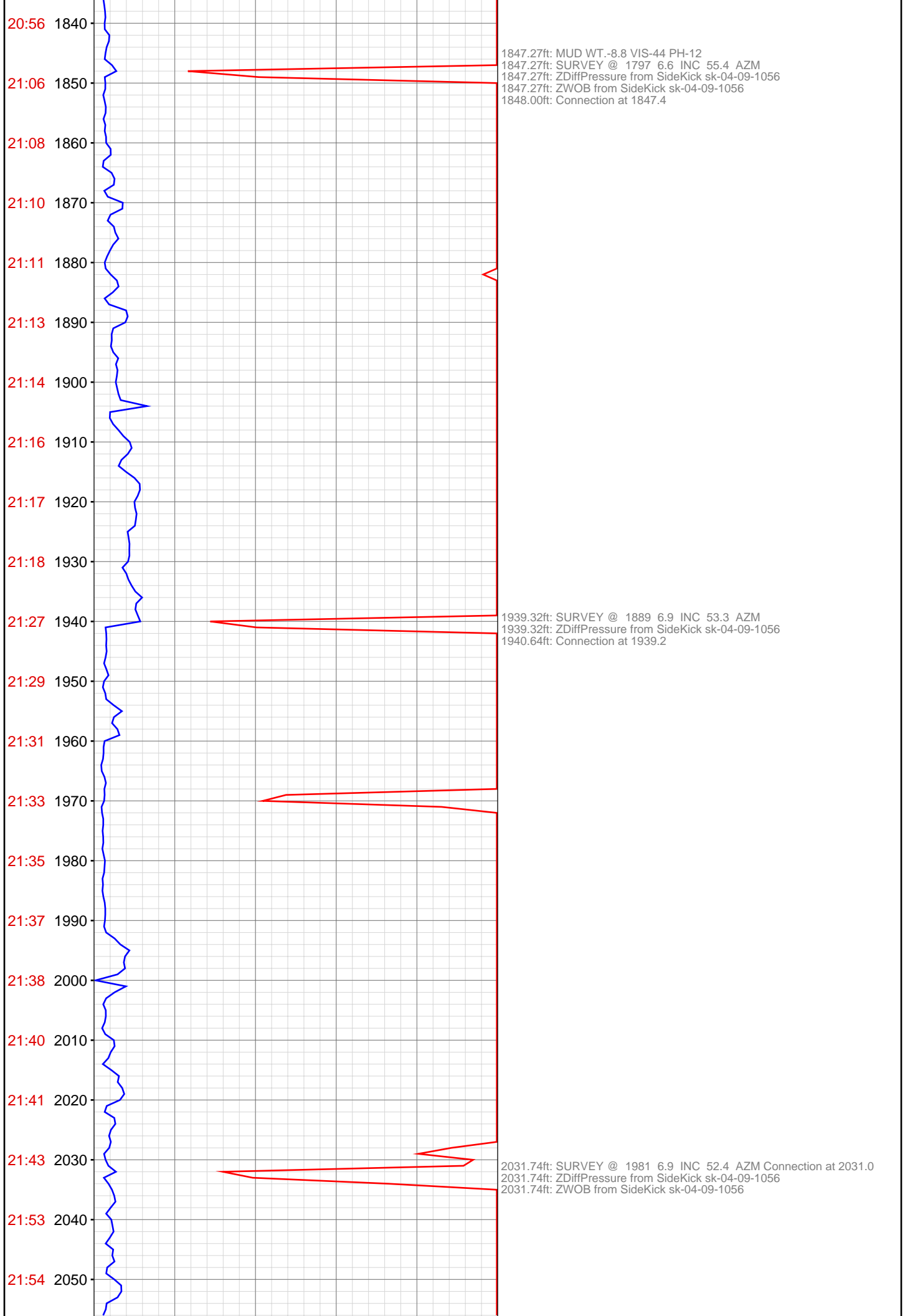
**CONTRACTOR:** Patterson-UTI Drilling Company  
**UNIQUE WELL ID:** 05-045-22023  
**SPUD DATE:** Oct 11, 2013 17:00  
**RELEASE DATE:**

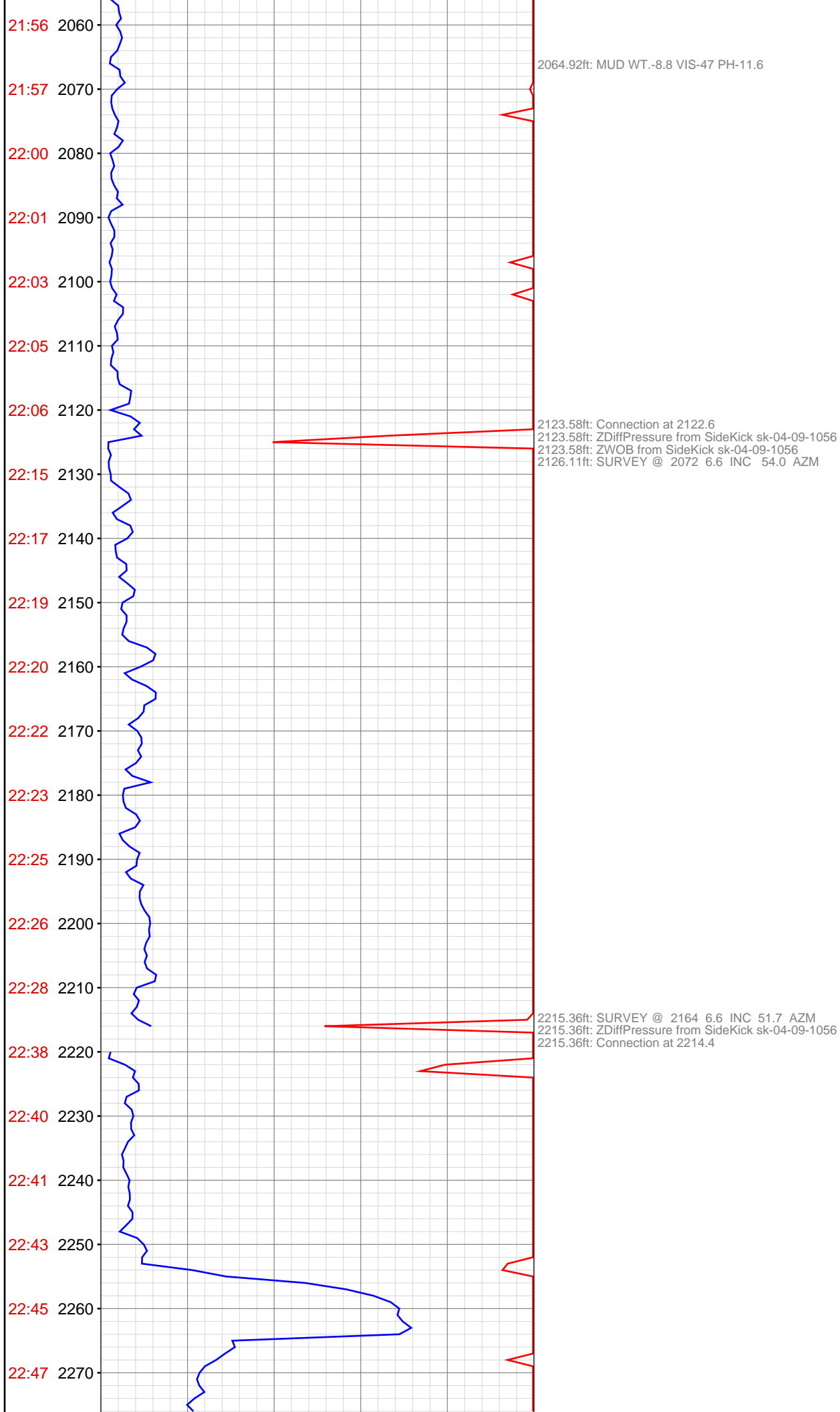


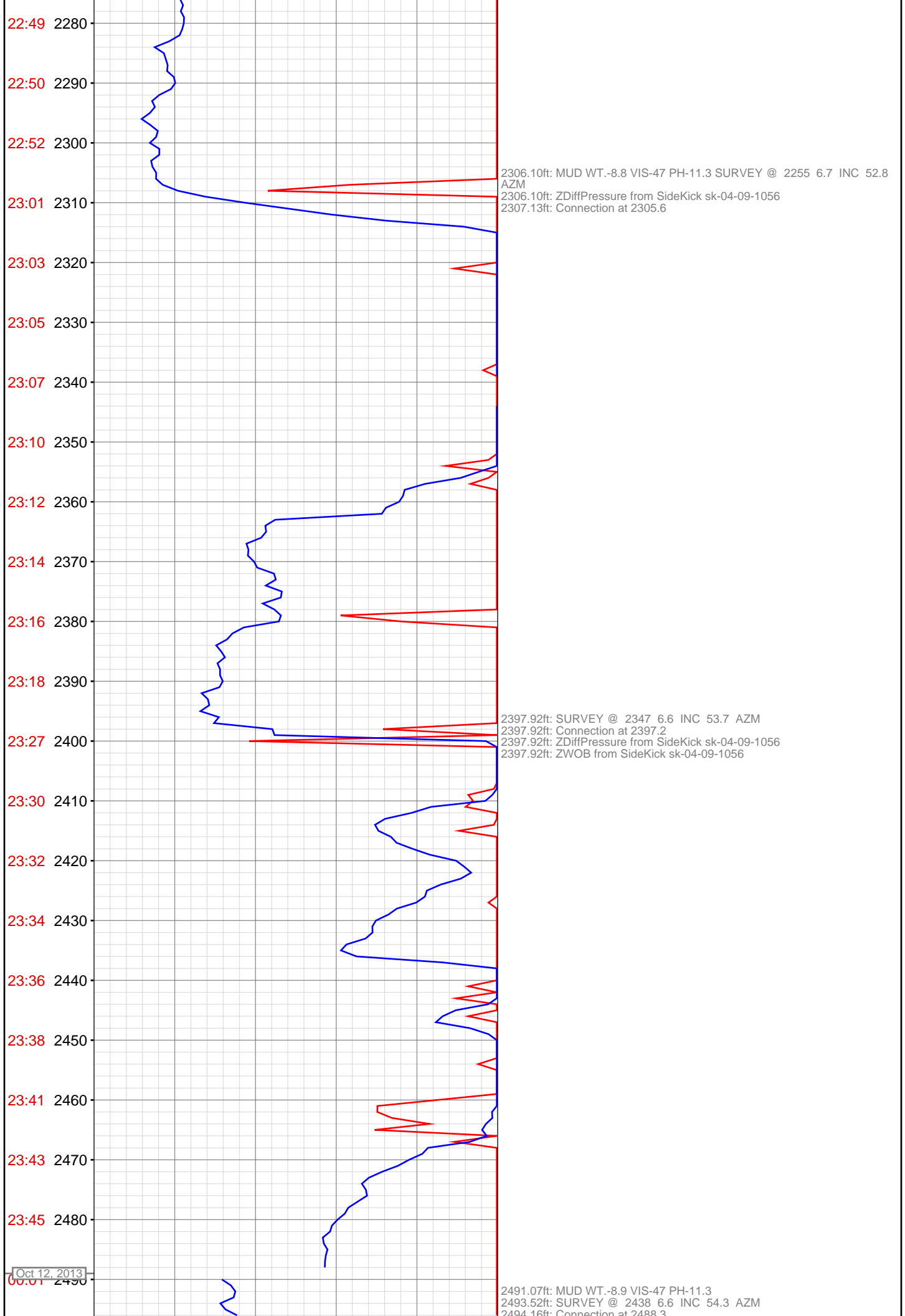












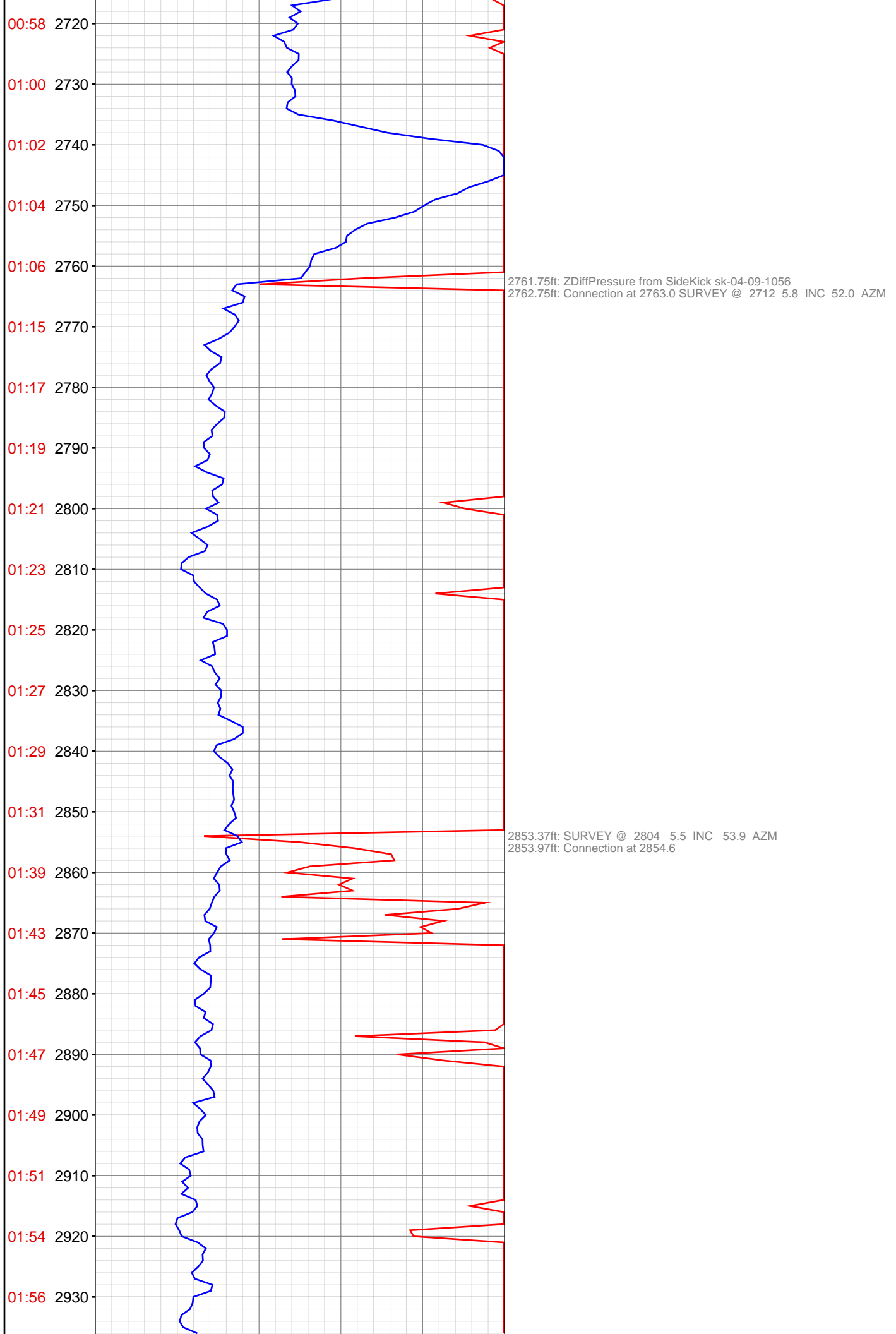
2495.69ft: ZWOB from SideKick sk-04-09-1056  
2498.00ft: IN TALLY: HOLE DEPTH SET TO 2488.3

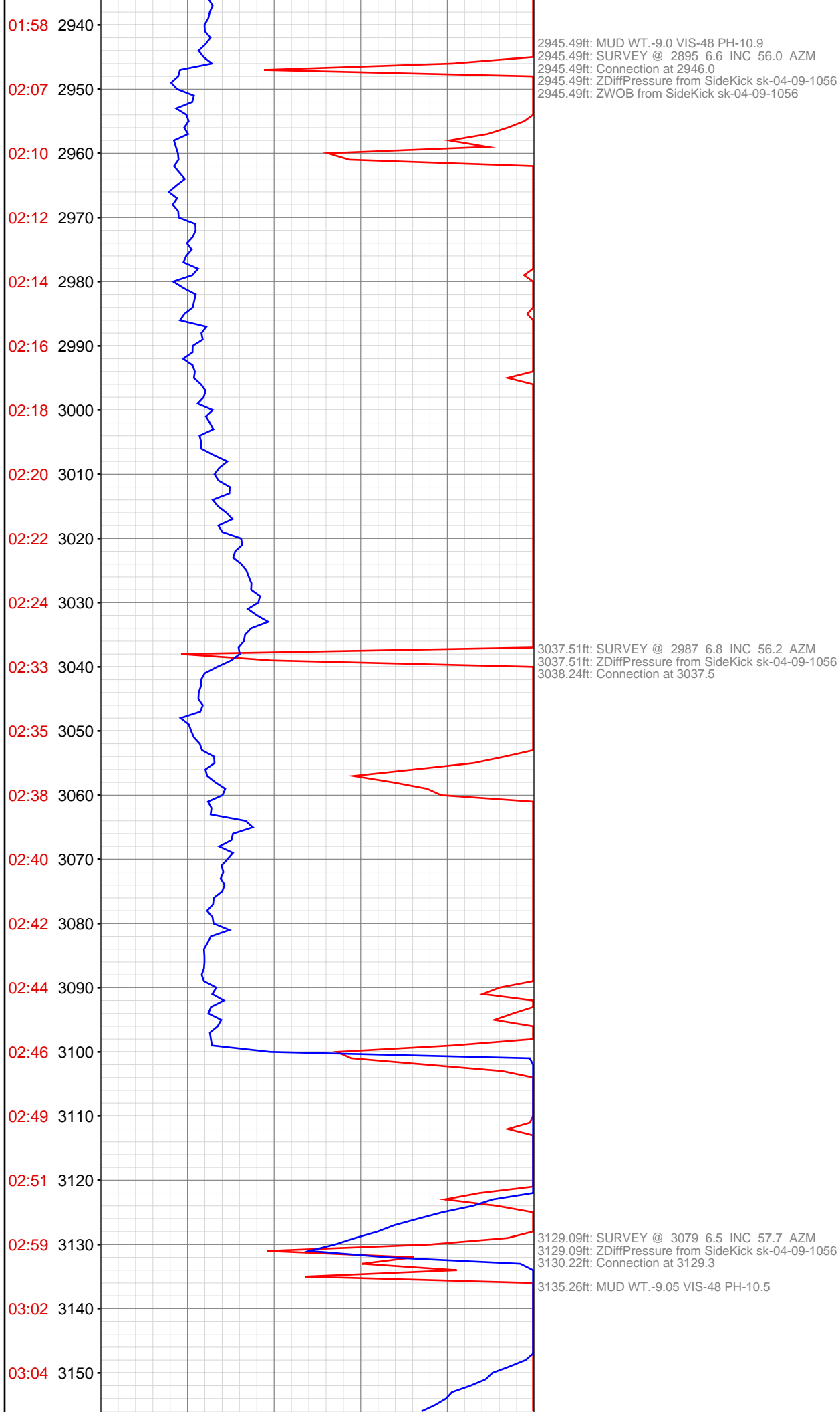
2577.02ft: SURVEY @ 2530 6.3 INC 52.7 AZM  
2577.02ft: Connection at 2580.3  
2577.02ft: ZDiffPressure from SideKick sk-04-09-1056  
2578.81ft: IN TALLY: HOLE DEPTH SET TO 2580.3

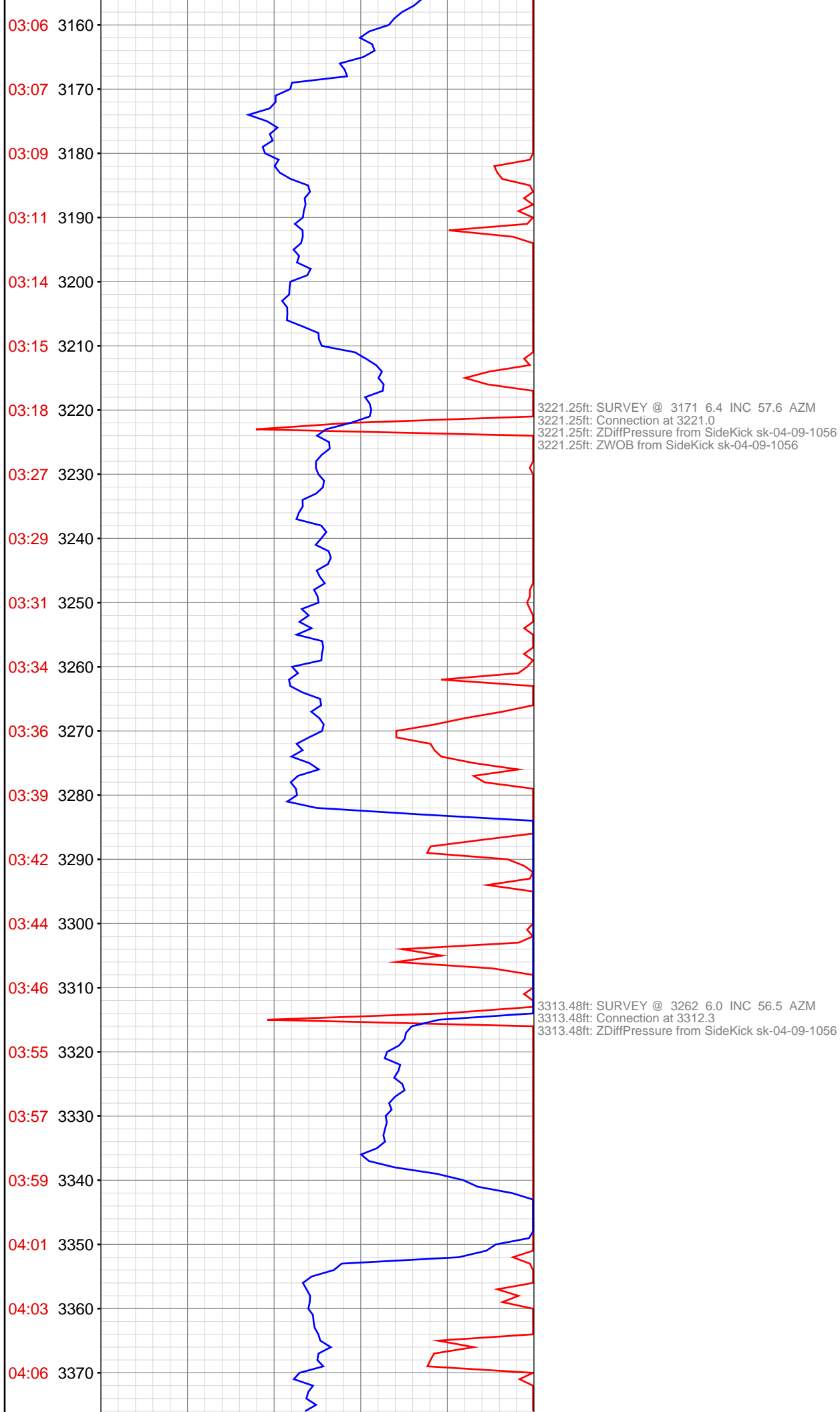
2670.42ft: SURVEY @ 2621 6.0 INC 51.3 AZM  
2670.42ft: ZDiffPressure from SideKick sk-04-09-1056  
2670.42ft: ZWOB from SideKick sk-04-09-1056  
2670.42ft: Connection at 2671.3

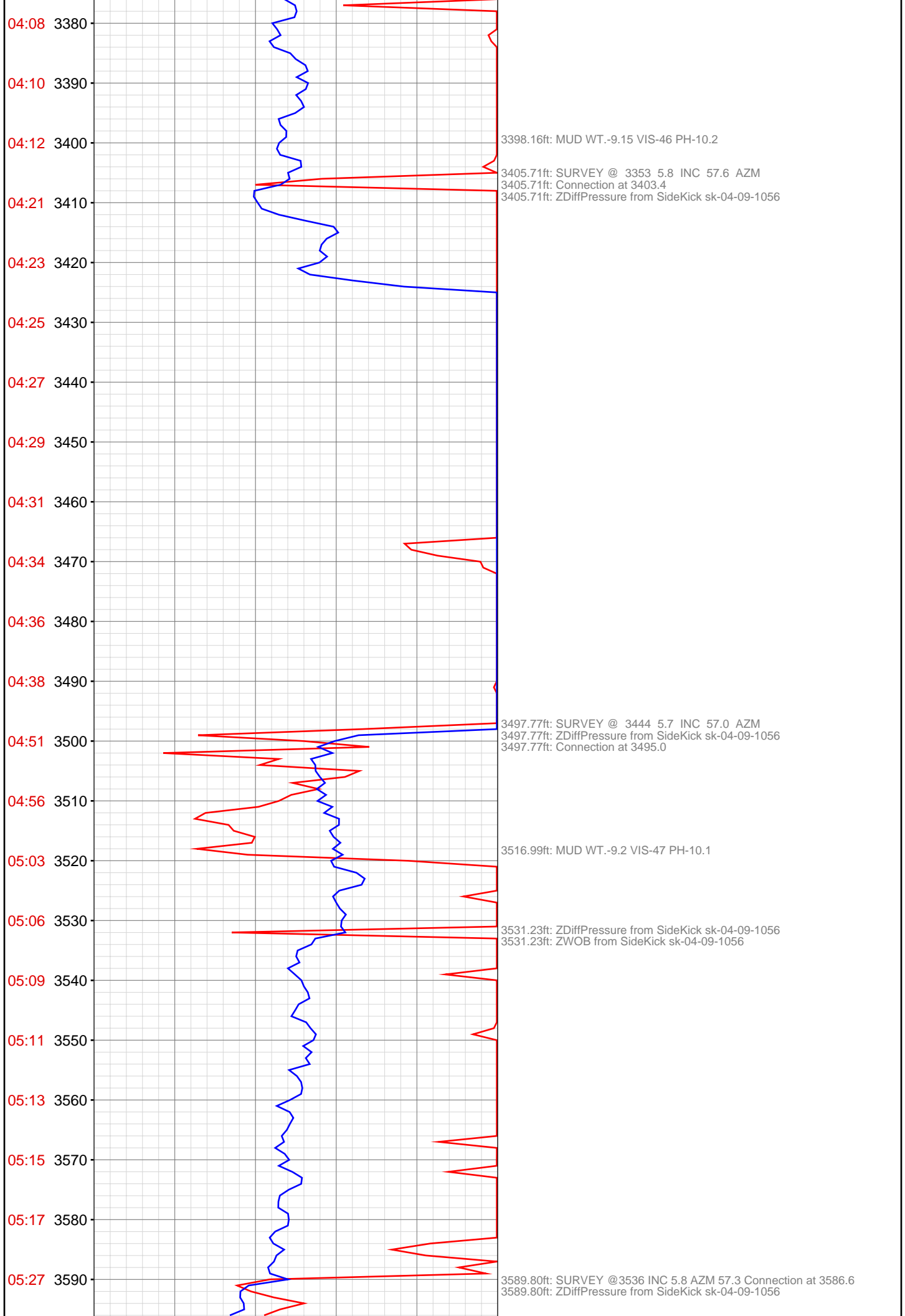
2703.99ft: MUD WT.-8.9 VIS-48 PH-11.2

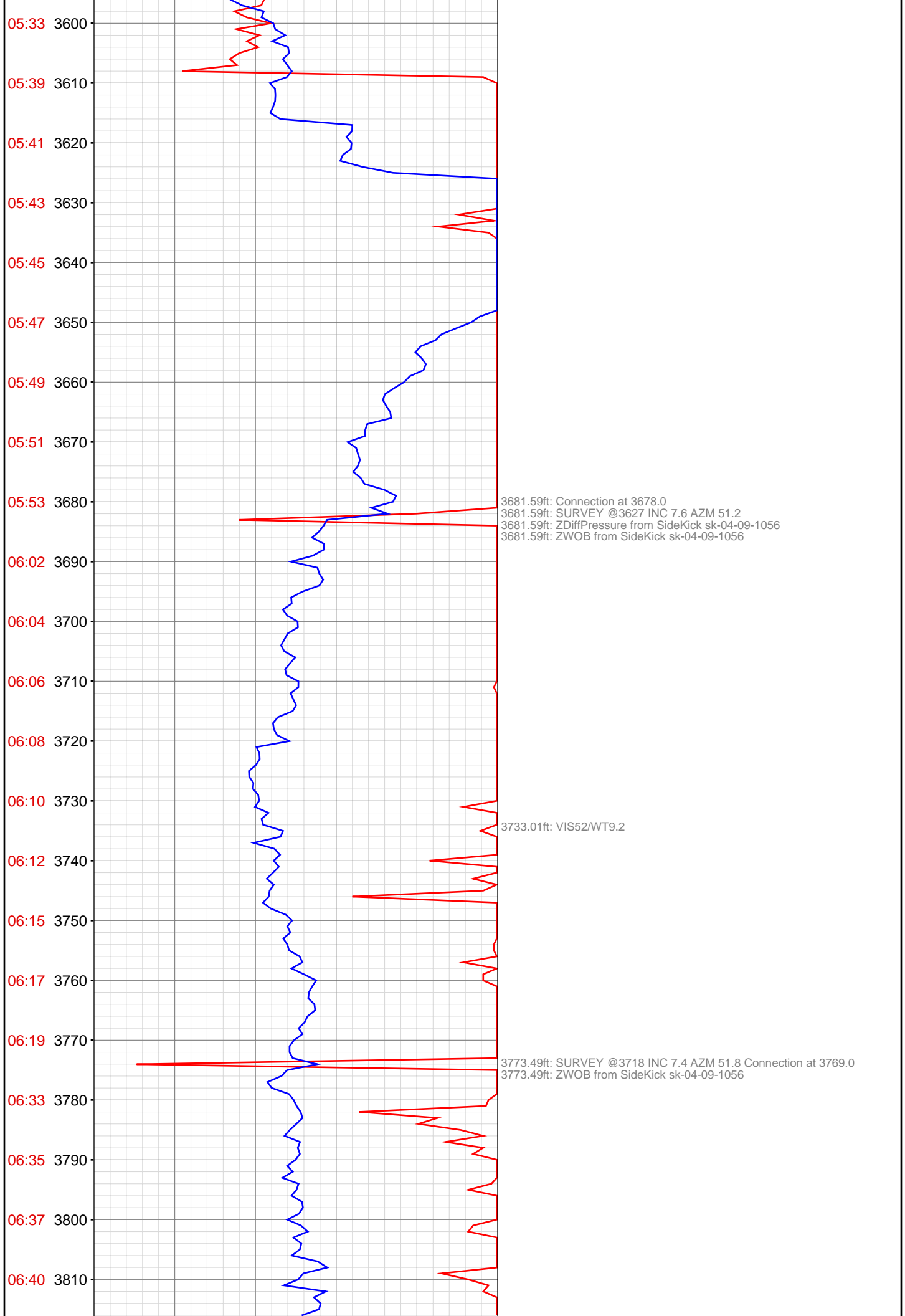


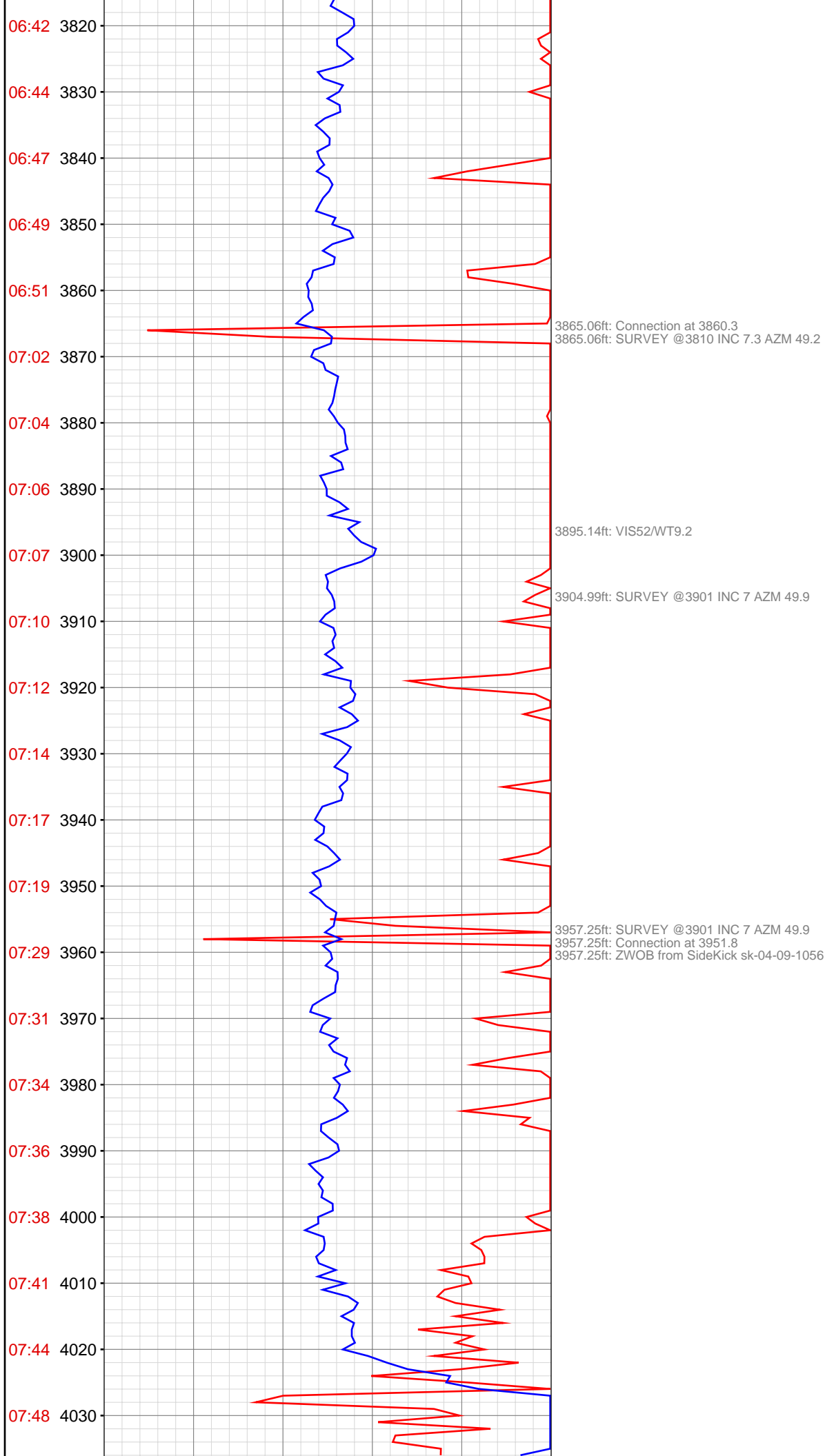


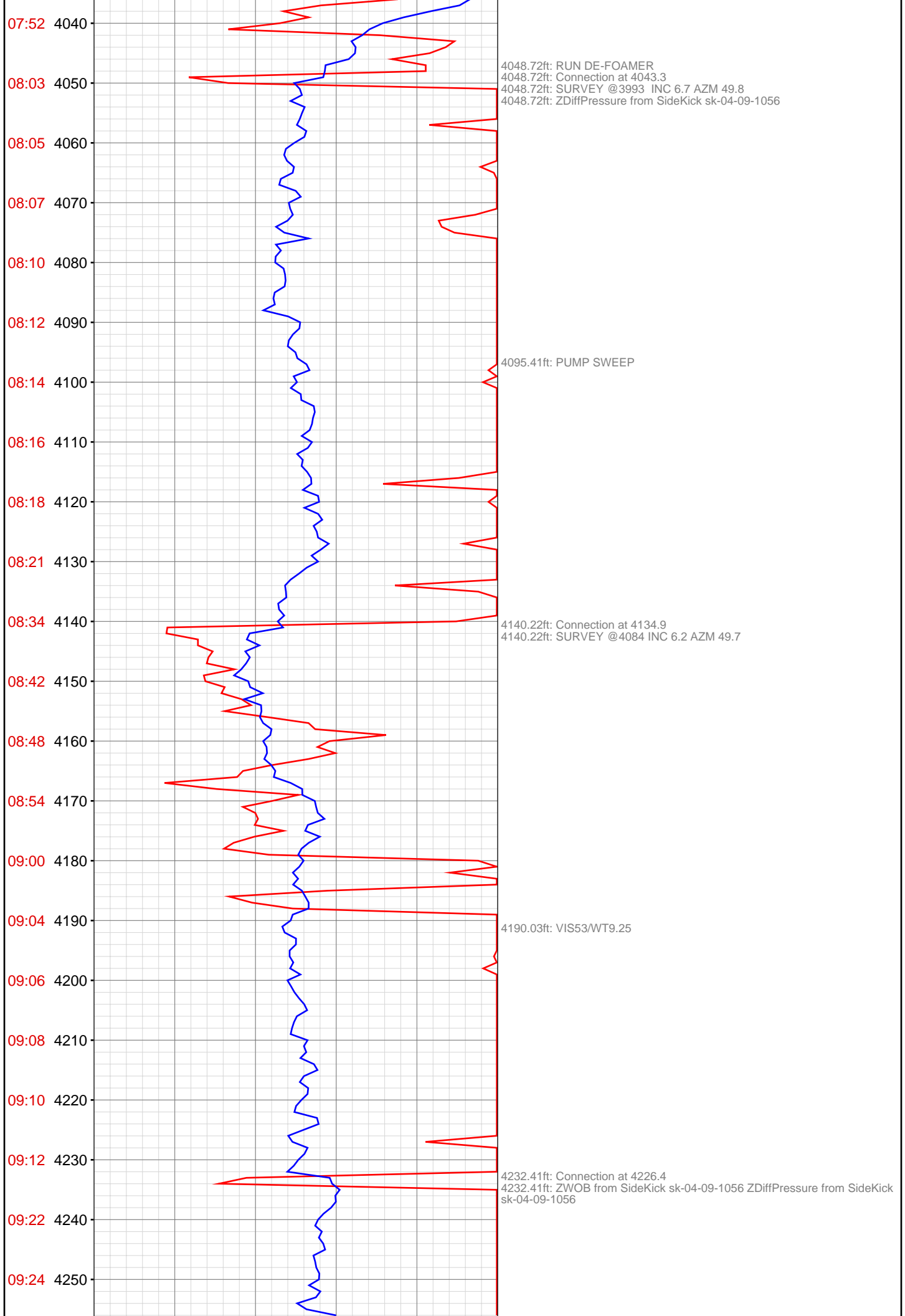


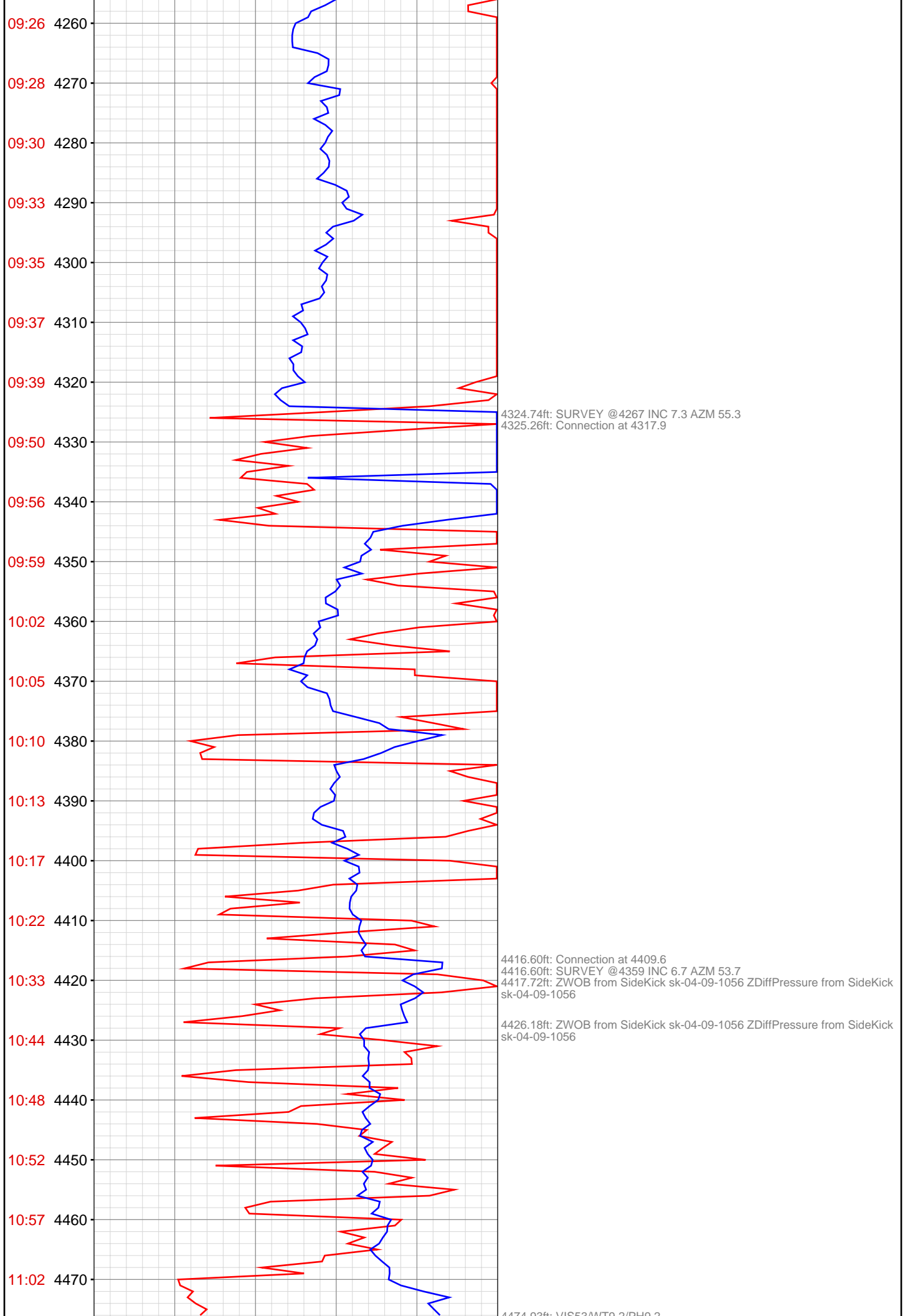




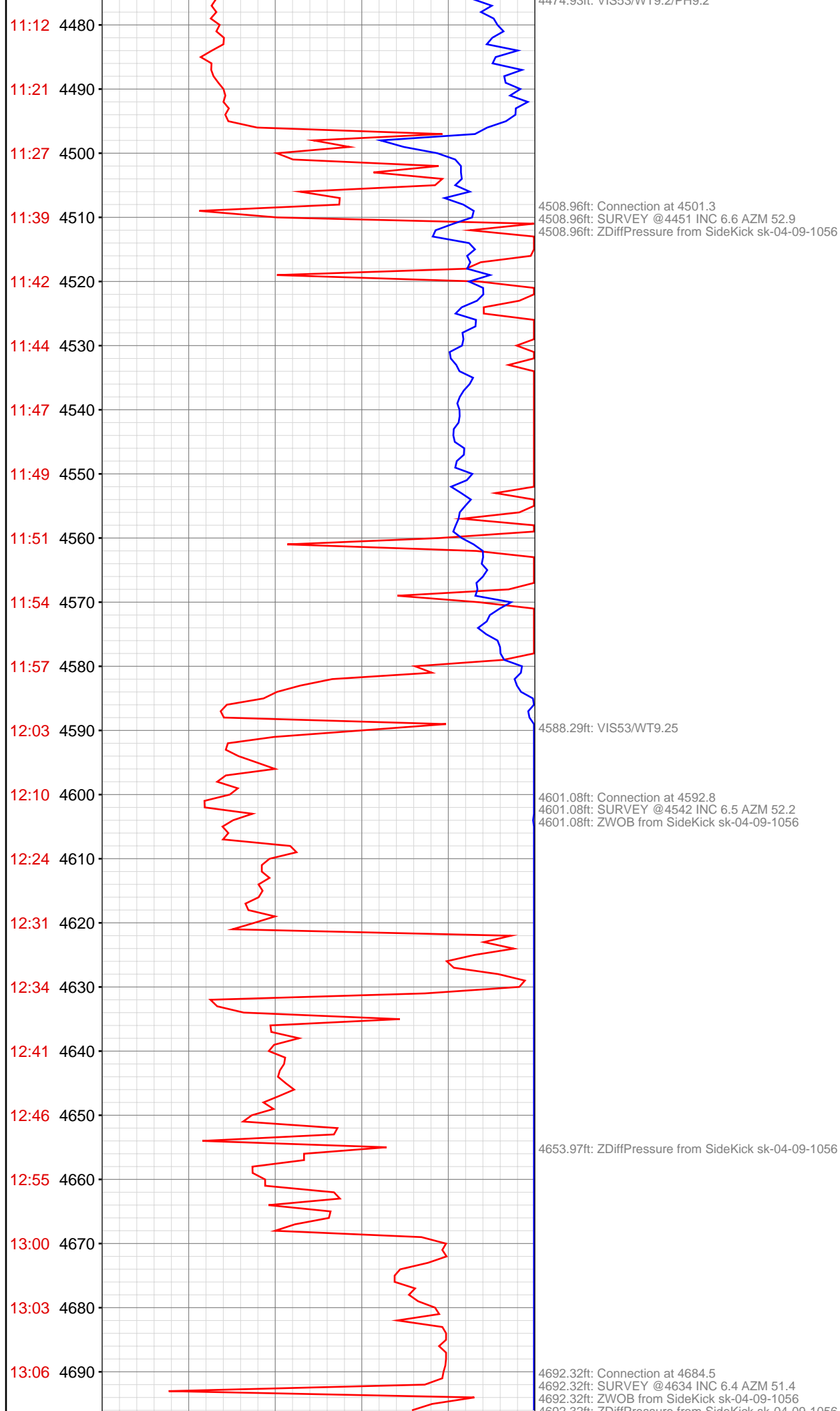












4692.32ft: ZDiffPressure from SideKick sk-04-09-1056  
4696.39ft: TRANSFER100BBLs

4747.70ft: ZDiffPressure from SideKick sk-04-09-1056

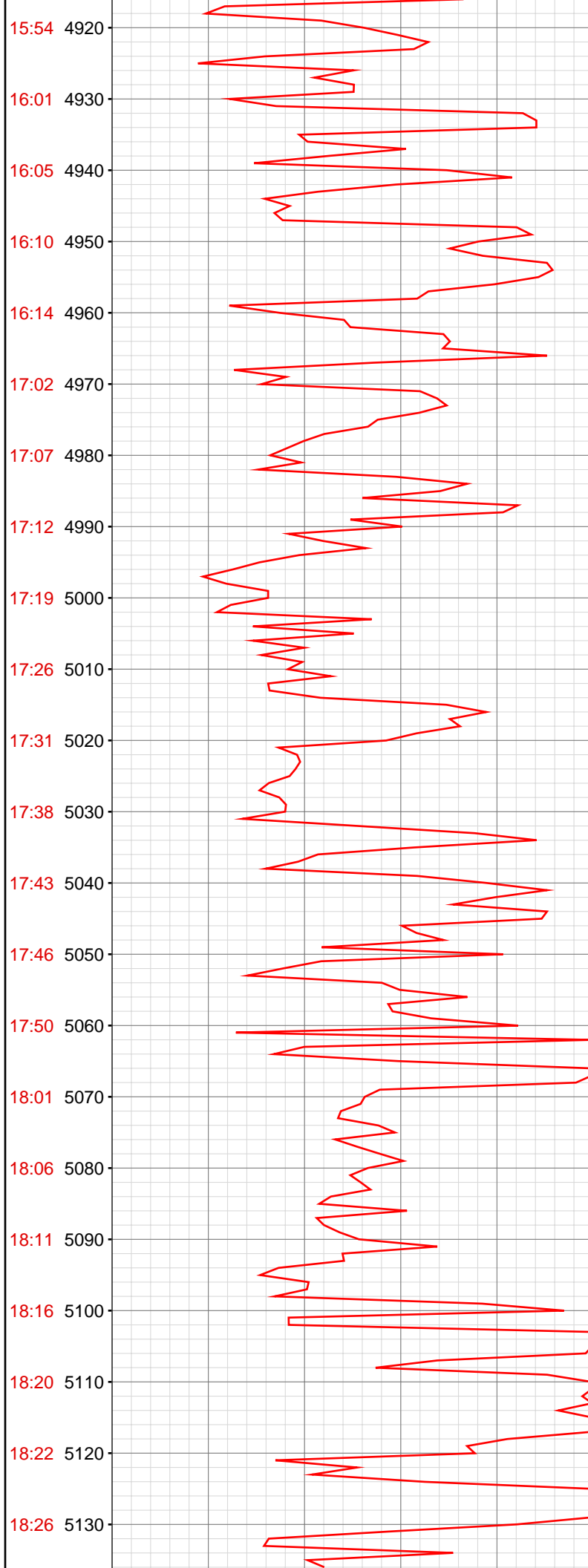
4784.06ft: Connection at 4775.5  
4784.06ft: ZWOB from SideKick sk-04-09-1056 ZDiffPressure from SideKick  
sk-04-09-1056 SURVEY @4725 INC 6.9 AZM 48.5

4791.70ft: VIS48/WT9.3  
4793.37ft: TRANSFER 50BBLs

4823.00ft: PUMP OUT CELLAR

4876.25ft: SURVEY @4816 INC 6.5 AZM 47.7 Connection at 4866.9  
4876.25ft: ZDiffPressure from SideKick sk-04-09-1056

4881.63ft: VIS43/WT9.3/PH9.2  
4882.35ft: TRANSFER 40BBLs



4968.47ft: SURVEY @4908 INC 6.2 AZM 56.9  
4968.47ft: Connection at 4958.6  
4968.47ft: ZWOB from SideKick sk-04-09-1056  
4972.51ft: VIS45/WT9.2

5060.30ft: Connection at 5050.3  
5060.30ft: SURVEY @ 5000 5.8 INC 58.7 AZM  
5060.30ft: ZDiffPressure from SideKick sk-04-09-1056

5089.01ft: MUD WT.-9.3 VIS-45 PH-9.0

18:33 5140

18:52 5150

19:07 5160

19:12 5170

19:17 5180

19:22 5190

19:25 5200

19:29 5210

19:33 5220

19:38 5230

19:49 5240

19:52 5250

19:56 5260

20:01 5270

20:05 5280

20:09 5290

20:14 5300

20:21 5310

20:27 5320

20:37 5330

20:44 5340

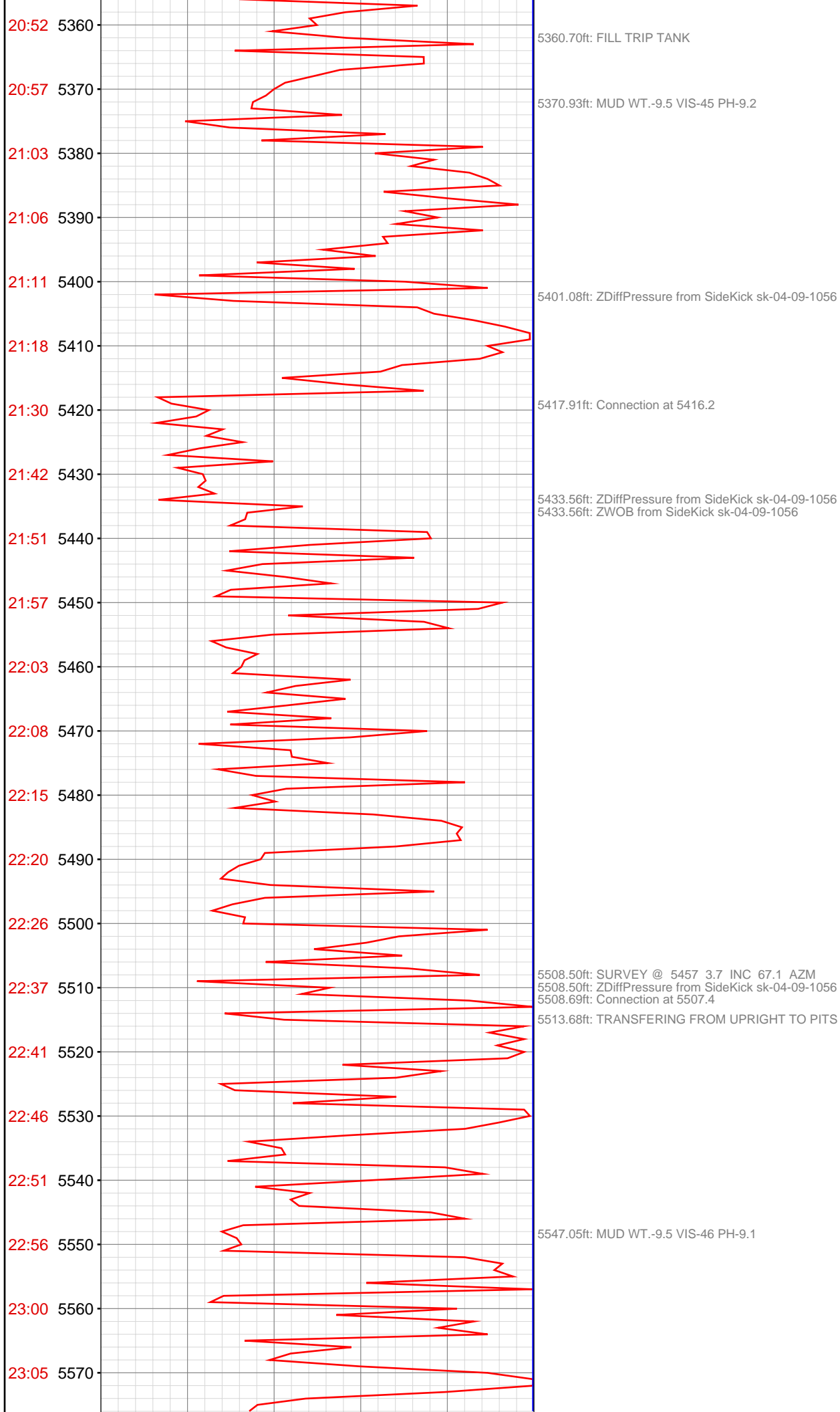
20:48 5350

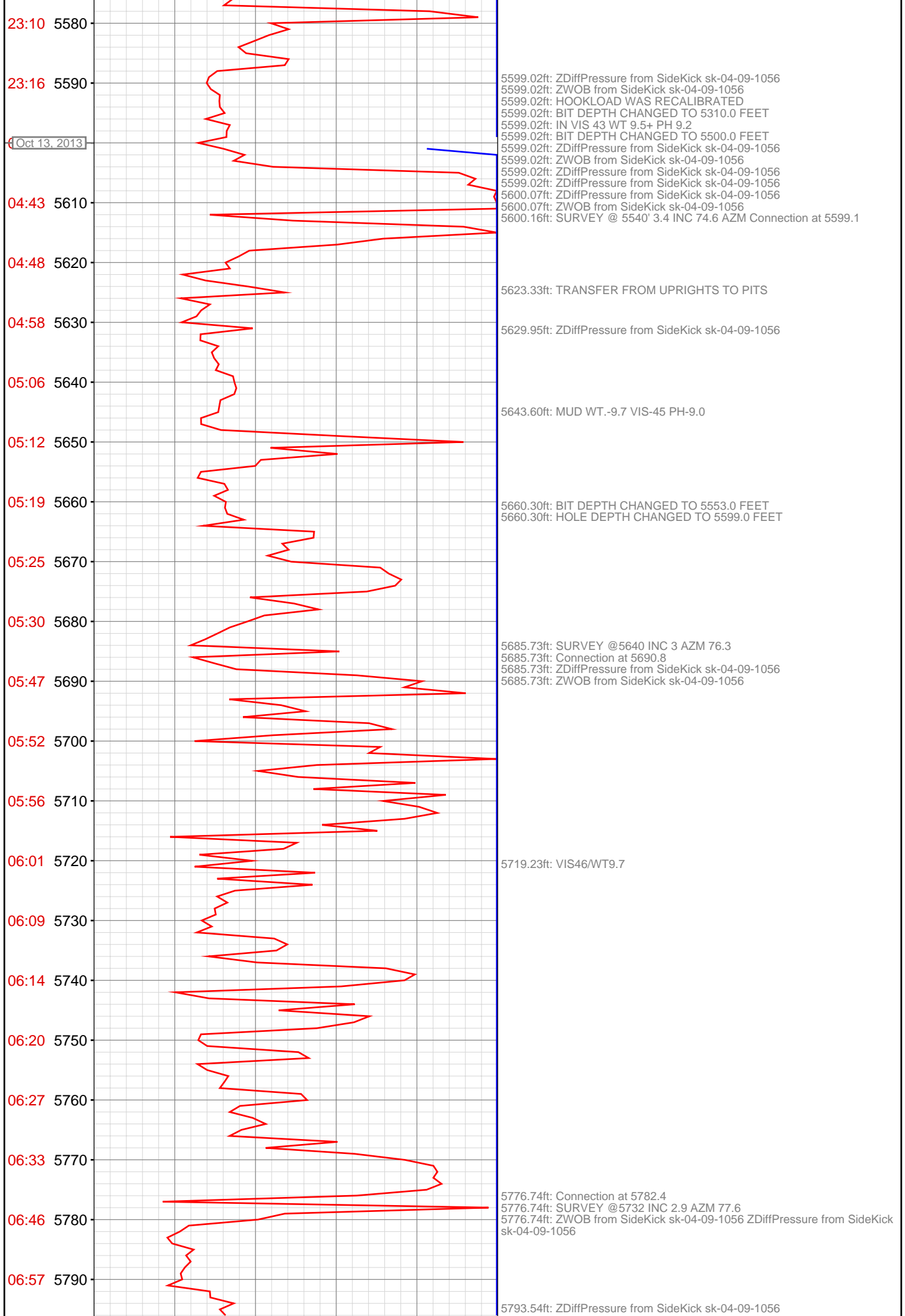
5151.31ft: SURVEY @ 5091 5.2 INC 56.5 AZM  
5151.31ft: Connection at 5141.9  
5151.31ft: ZDiffPressure from SideKick sk-04-09-1056  
5153.12ft: IN TALLY: HOLE DEPTH SET TO 5141.9  
5154.53ft: MUD WT.-9.4 VIS-45 PH-9.0 H2O- 4GPM  
5154.53ft: ZDiffPressure from SideKick sk-04-09-1056  
5154.53ft: ZWOB from SideKick sk-04-09-1056

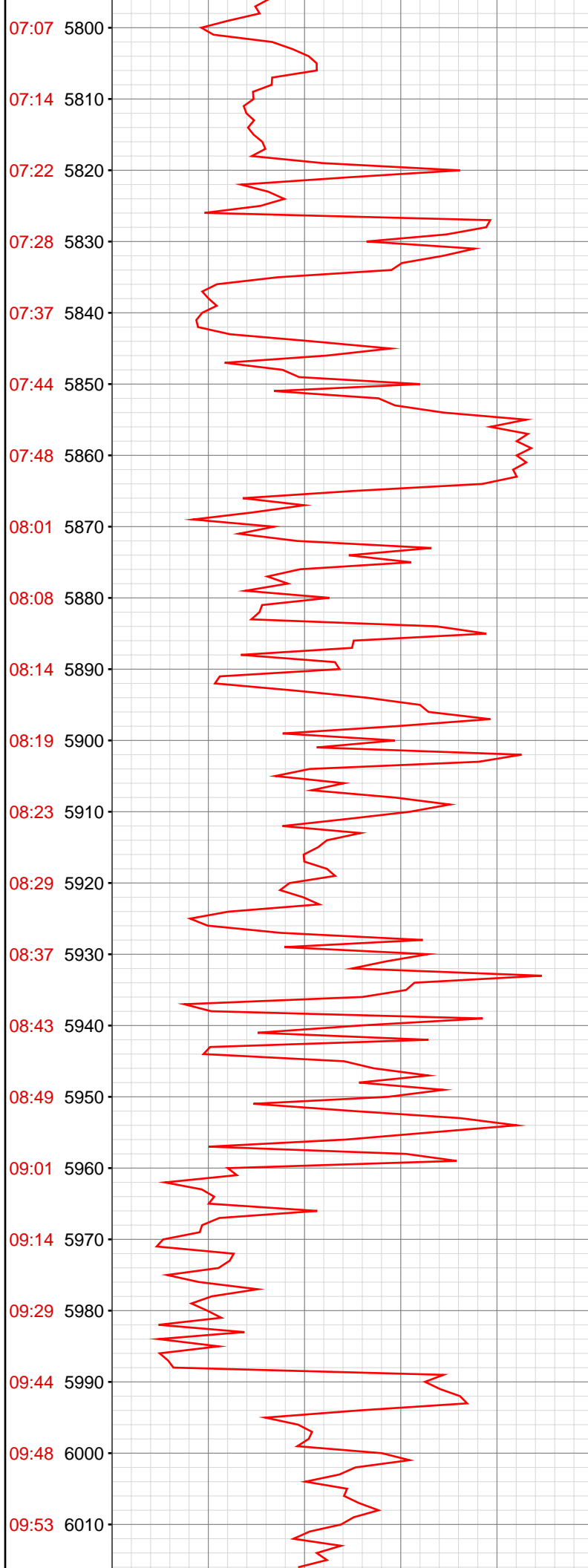
5232.28ft: TRANSFERING FROM UPRIGHTS TO PITS  
5232.28ft: SURVEY @ 5183 4.4 INC 66.0 AZM  
5232.28ft: ZDiffPressure from SideKick sk-04-09-1056  
5233.73ft: Connection at 5233.4

5267.72ft: MUD WT.-9.4 VIS-45 PH-9.0

5324.61ft: ZDiffPressure from SideKick sk-04-09-1056  
5324.61ft: ZWOB from SideKick sk-04-09-1056  
5325.59ft: Connection at 5324.6 SURVEY @ 5274 3.7 INC 66.2 AZM



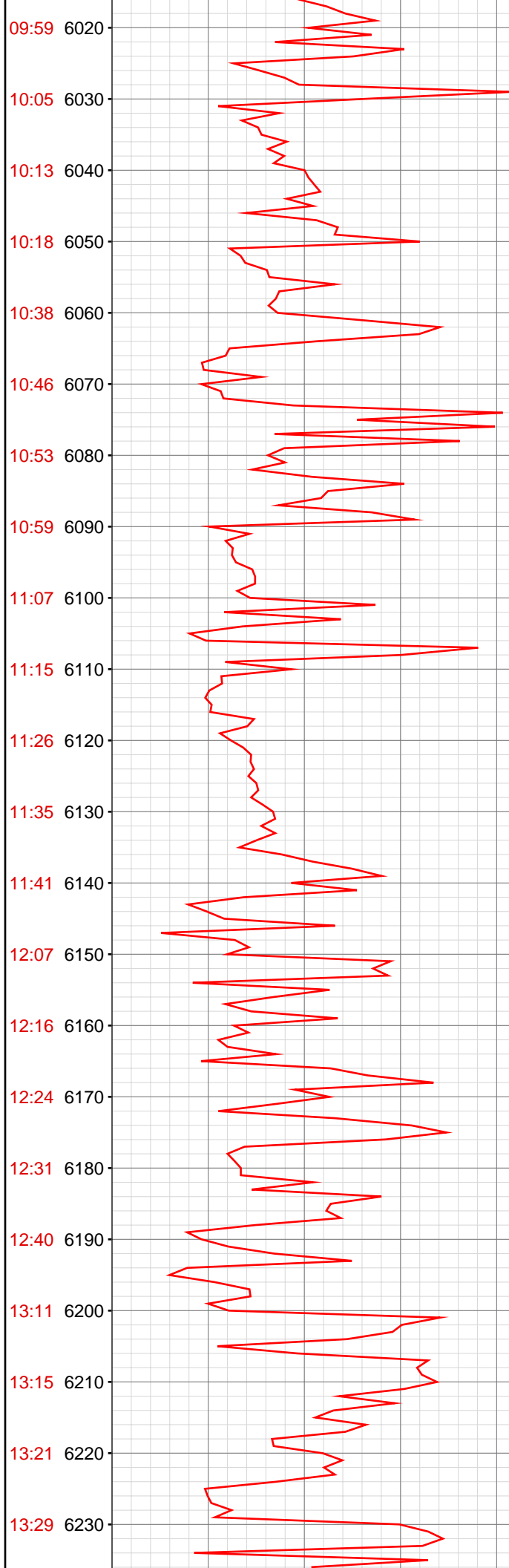




5868.08ft: VIS43/WT9.65  
5868.08ft: SURVEY @5824 INC 2.5 AZM 76.5 Connection at 5874.4  
5868.08ft: ZDiffPressure from SideKick sk-04-09-1056

5959.48ft: SURVEY @5916 INC 2.2 AZM 77.7 Connection at 5966.2  
5960.99ft: VIS50/WT9.65

6008.86ft: TRANSFER 50BBLs



6045.64ft: VIS45/WT9.7  
6050.92ft: Connection at 6057.9  
6050.92ft: ZDiffPressure from SideKick sk-04-09-1056  
6050.92ft: ZWOB from SideKick sk-04-09-1056  
6051.02ft: SURVEY @600 INC .8 AZM 25.9

6059.25ft: ZDiffPressure from SideKick sk-04-09-1056

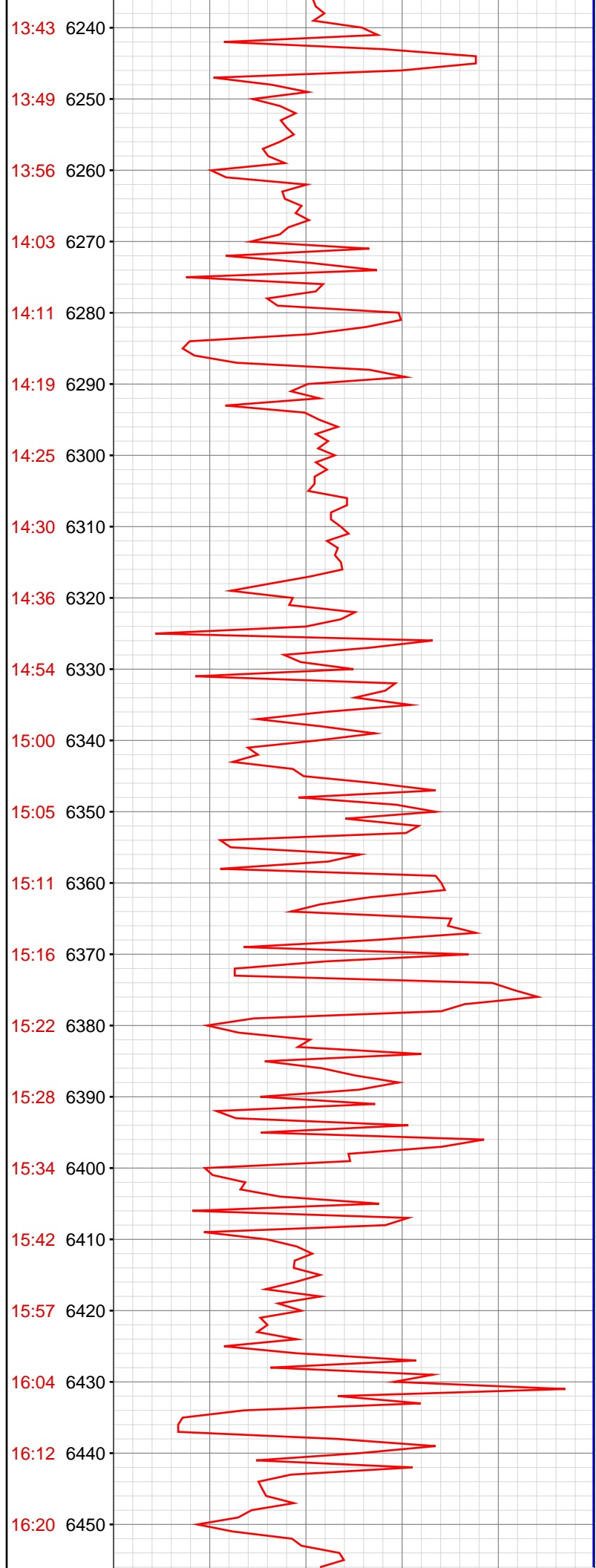
6142.29ft: Connection at 6149.3  
6142.29ft: SURVEY @6099 INC .7 AZM 5  
6142.29ft: ZDiffPressure from SideKick sk-04-09-1056  
6142.29ft: ZWOB from SideKick sk-04-09-1056  
6146.00ft: VIS 46/MWT 9.7/PH 9.1  
6146.85ft: ZDiffPressure from SideKick sk-04-09-1056

6153.35ft: ZDiffPressure from SideKick sk-04-09-1056  
6153.35ft: ZDiffPressure from SideKick sk-04-09-1056

6198.06ft: ZDiffPressure from SideKick sk-04-09-1056

6233.56ft: Connection at 6241.1  
6233.56ft: SURVEY @6191 INC .5 AZM 356.8





6282.41ft: VIS50/WT9.8

6287.34ft: TRANSFER 50BBLs

6324.84ft: Connection at 6332.6  
6324.84ft: SURVEY @6282 INC .7 AZM 336.7

6349.05ft: VIS53/WT9.8

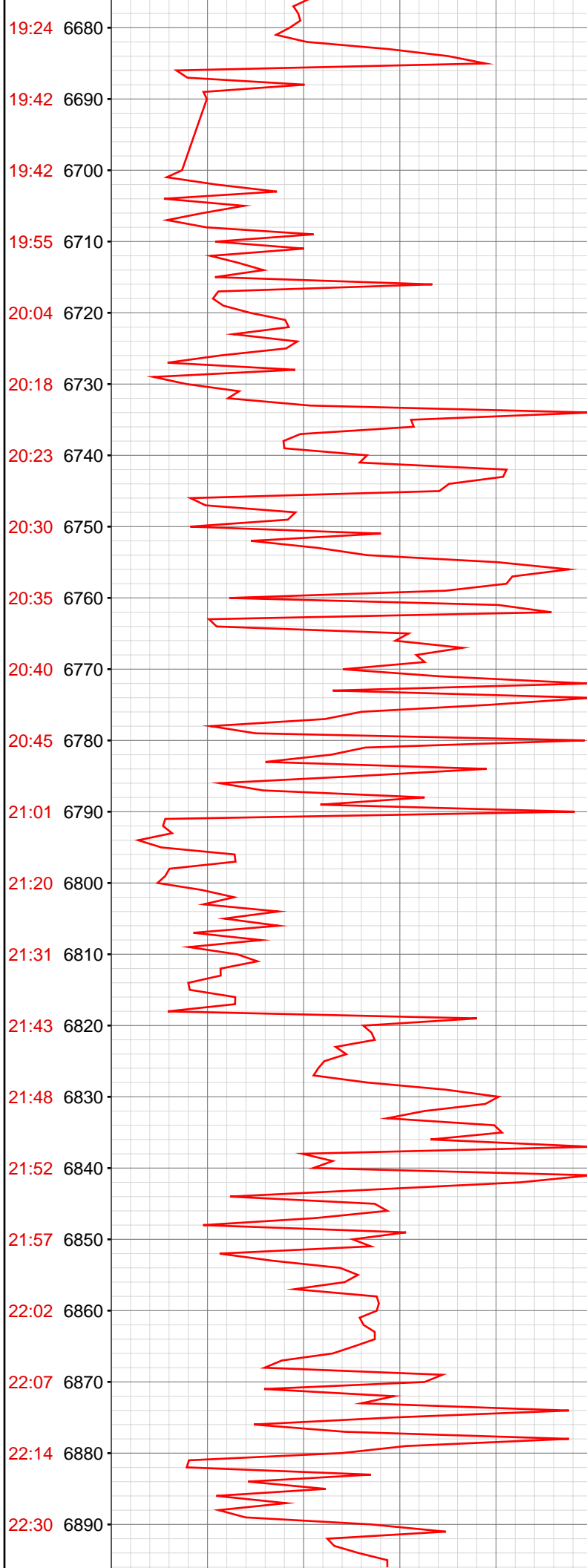
6416.34ft: Connection at 6332.6  
6416.34ft: Connection at 6424.6  
6416.34ft: SURVEY @#6374 INC .8 AZM 318  
6416.34ft: ZWOB from SideKick sk-04-09-1056  
6417.52ft: VIS52/WT9.8

6456.46ft: ZDiffPressure from SideKick sk-04-09-1056

6507.68ft: SURVEY @6465 INC .9 AZM 301  
6507.68ft: Connection at 6515.9  
6507.68ft: VIS 48/MWT 9.7 Connection at 6424.6  
6507.68ft: ZDiffPressure from SideKick sk-04-09-1056  
6507.68ft: ZWOB from SideKick sk-04-09-1056

6598.92ft: SURVEY @ 6557 1.1 INC 284.3 AZM  
6598.92ft: ZDiffPressure from SideKick sk-04-09-1056  
6598.92ft: ZWOB from SideKick sk-04-09-1056  
6598.95ft: Connection at 6607.5  
6604.53ft: TRANSFER INTO ACTIVE FROM UPRIGHT

6665.72ft: MUD WT.-9.75 VIS-45 PH-8.9 H20-8GPM



6690.32ft: SURVEY @ 6649 1.3 INC 286.3 AZM  
6690.32ft: Connection at 6699.1  
6690.32ft: ZDiffPressure from SideKick sk-04-09-1056  
6690.68ft: IN TALLY: HOLE DEPTH SET TO 6699.1

6716.99ft: MUD WT.-9.75 VIS-46 PH-9.2

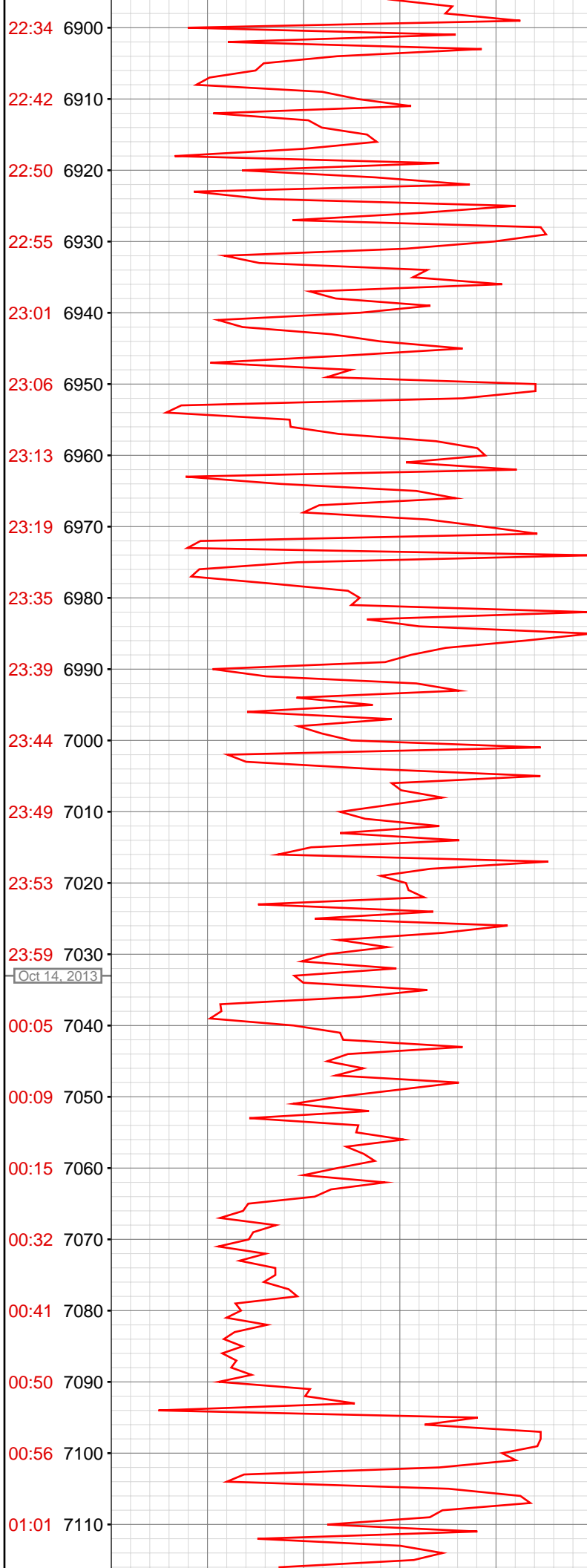
6729.49ft: ZDiffPressure from SideKick sk-04-09-1056  
6729.49ft: ZWOB from SideKick sk-04-09-1056

6790.22ft: SURVEY @ 6740 1.4 INC 259.7 AZM  
6790.22ft: ZDiffPressure from SideKick sk-04-09-1056  
6790.22ft: Connection at 6790.8  
6793.04ft: MUD WT.-9.7 VIS-46 PH-9.2 H2O-8GPM

6817.75ft: ZDiffPressure from SideKick sk-04-09-1056  
6817.75ft: ZDiffPressure from SideKick sk-04-09-1056  
6817.75ft: ZDIFF from DHC

6881.63ft: SURVEY @ 6832 .4 INC 275.2 AZM  
6881.63ft: ZDiffPressure from SideKick sk-04-09-1056  
6881.63ft: ZWOB from SideKick sk-04-09-1056  
6881.79ft: Connection at 6882.4

6888.65ft: MUD WT.-9.5 VIS-39 PH-8.8 H2O- 10GPM

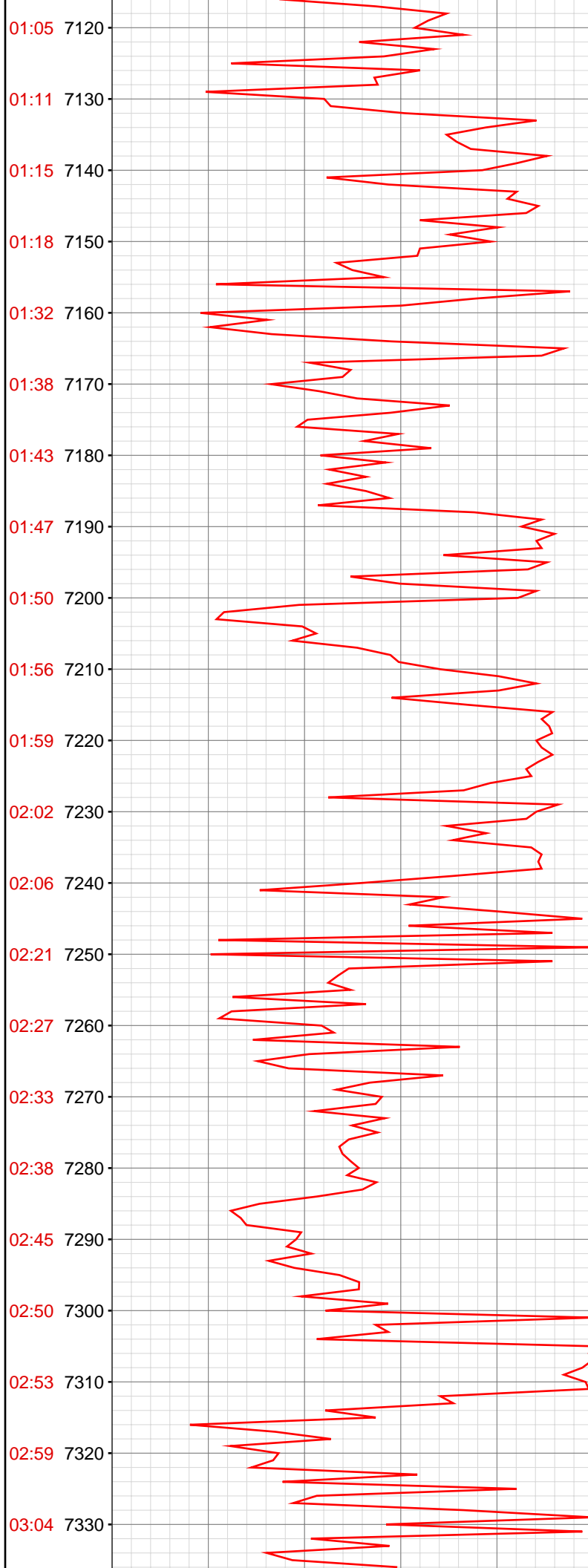


6917.85ft: ZDiffPressure from SideKick sk-04-09-1056

6972.57ft: MUD WT.-9.6 VIS-39 PH-8.8 H2O- 8 GPM  
6972.77ft: SURVEY @ 6924 .9 INC 290.5 AZM  
6972.77ft: ZDiffPressure from SideKick sk-04-09-1056  
6973.00ft: Connection at 6974.1

7064.11ft: SURVEY @ 7014 1.2 INC 277.2 AZM  
7064.11ft: Connection at 7065.5  
7064.11ft: ZDiffPressure from SideKick sk-04-09-1056

7100.98ft: MUD WT.-9.65 VIS-45 PH-9.2 H2O- 8 GPM



7155.35ft: SURVEY @ 7106 .9 INC 211.8 AZM  
7155.35ft: ZDiffPressure from SideKick sk-04-09-1056  
7155.35ft: ZWOB from SideKick sk-04-09-1056  
7155.35ft: Connection at 7156.7

7208.83ft: MUD WT.-9.7 VIS-48 PH-9.1 H2O- 9GPM

7247.08ft: SURVEY @ 7198 1.5 INC 187.1 AZM  
7247.08ft: Connection at 7248.3  
7247.08ft: ZDiffPressure from SideKick sk-04-09-1056  
7249.11ft: ZDiffPressure from SideKick sk-04-09-1056

7249.11ft: SURVEY @ 7200 1.5 INC 187.1 AZM

