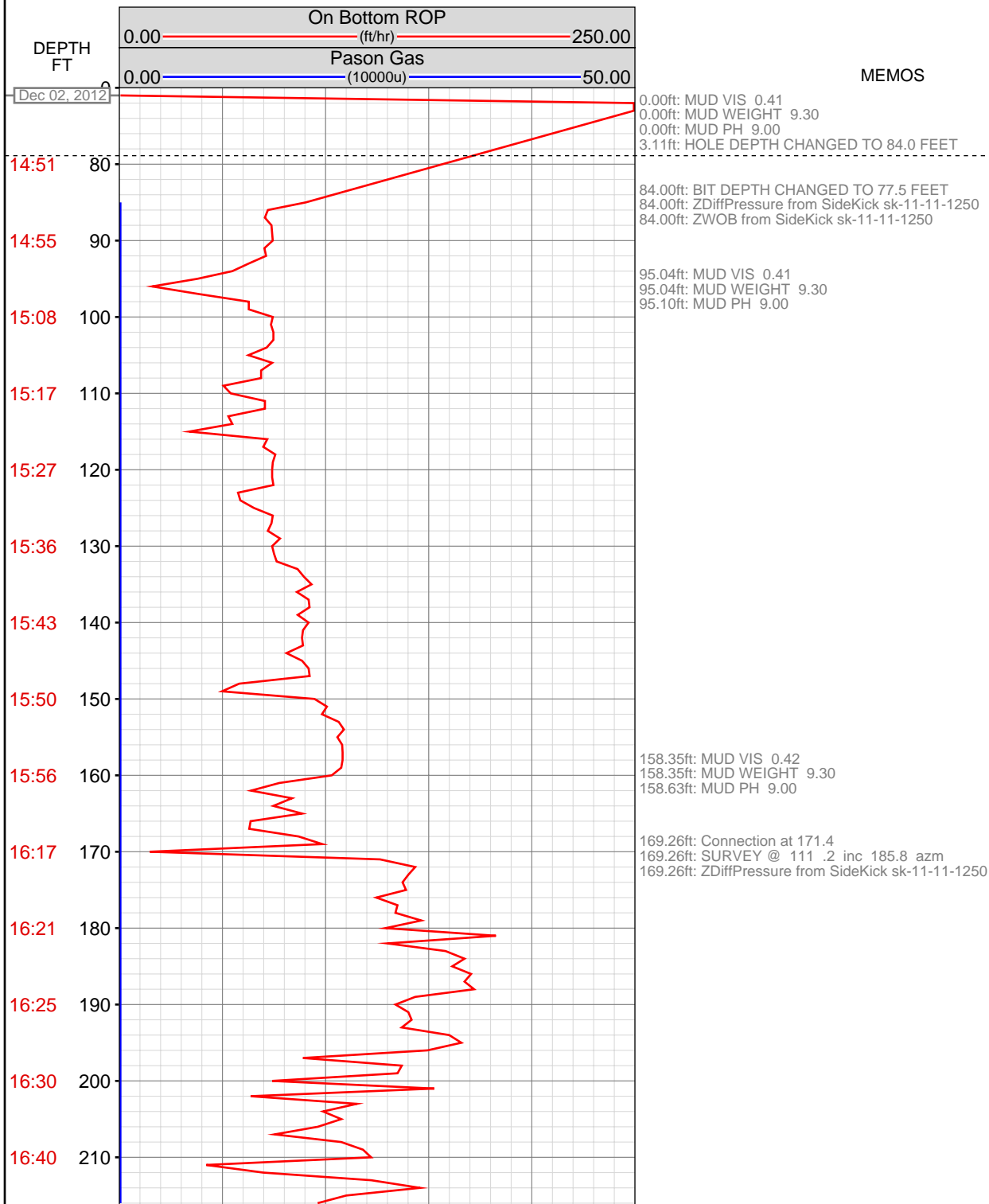


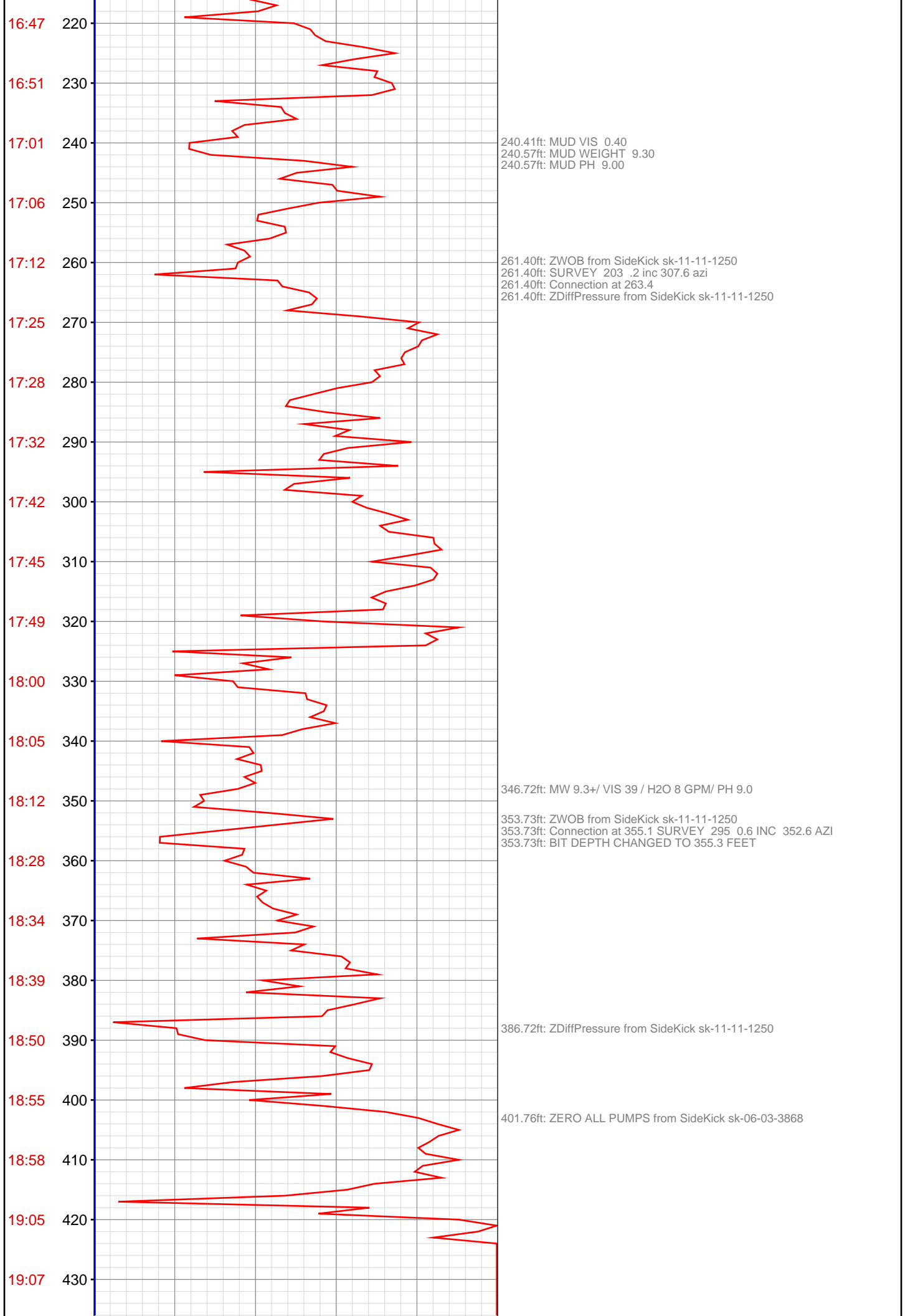
# DataHub EDR Log

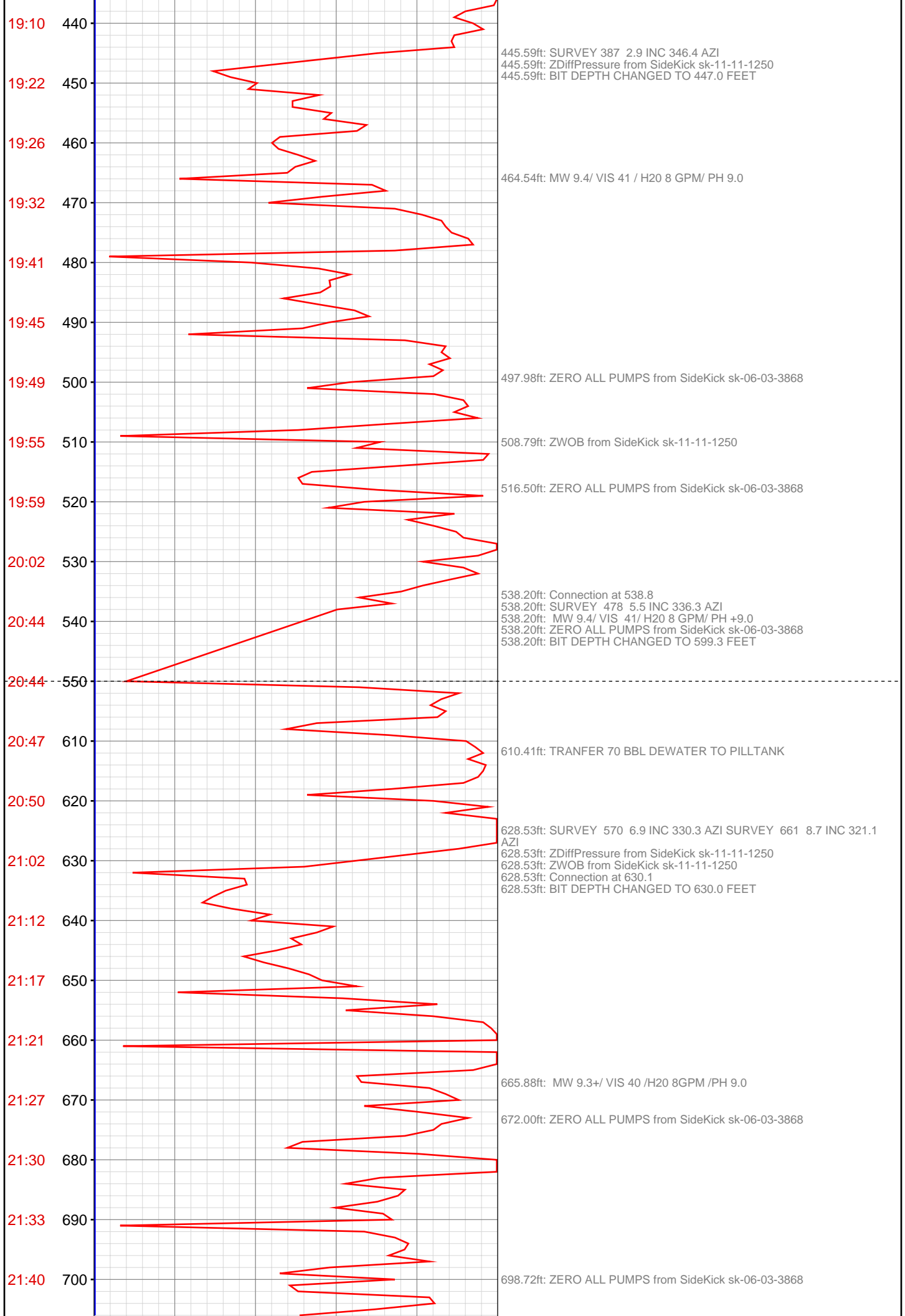
Tue Dec 11, 2012 10:28:17  
Well Dossier 1354477601  
Greg Veregin

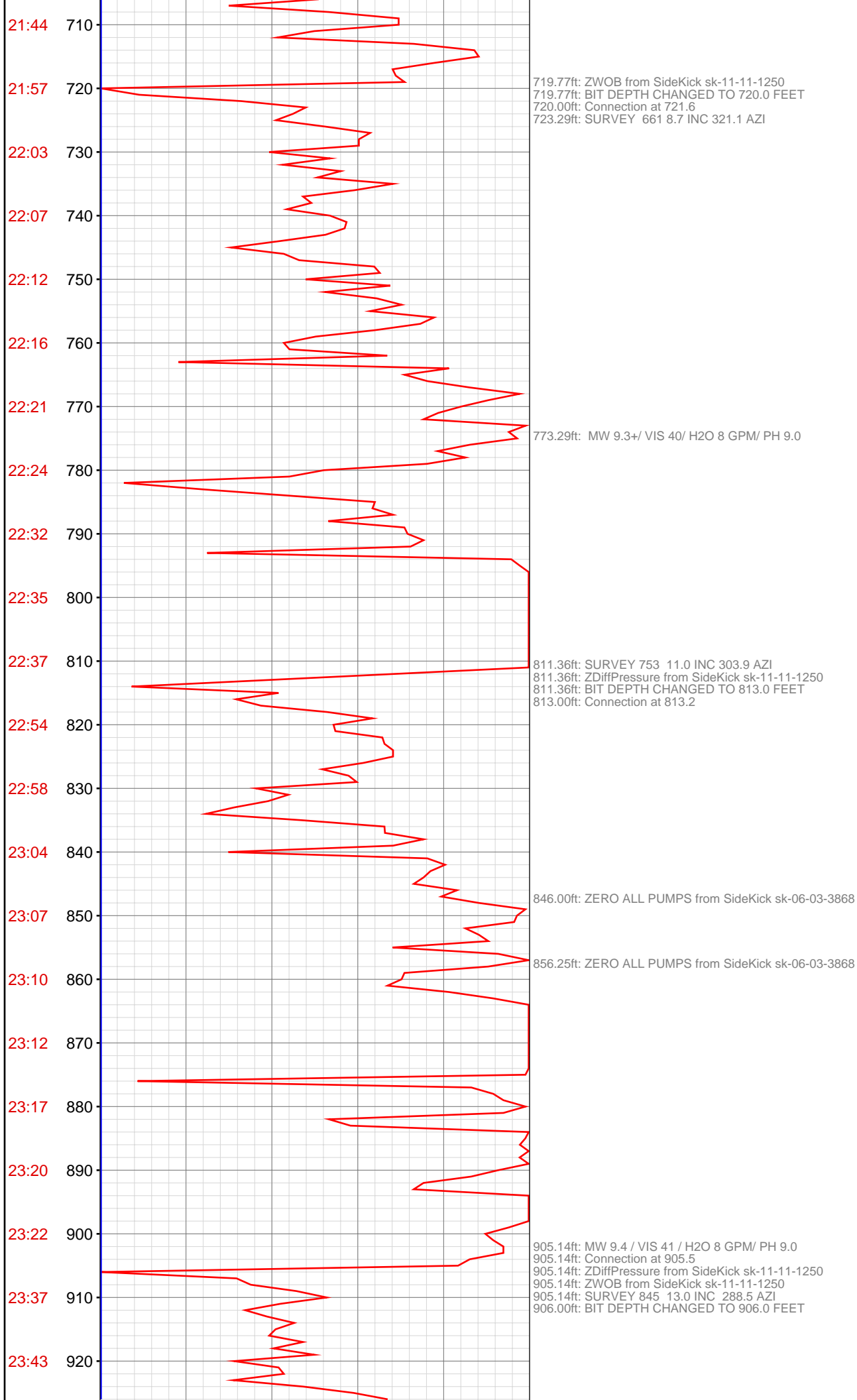
**OPERATOR:** EnCana Oil & Gas (USA), Inc.  
**WELL:** SHIDELER FEE 31-13C  
**FIELD:**  
**LOCATION:** SW SE SEC 31, T007S, R92W  
**COUNTRY:** USA  
**RIG:** Pat-UTI 303

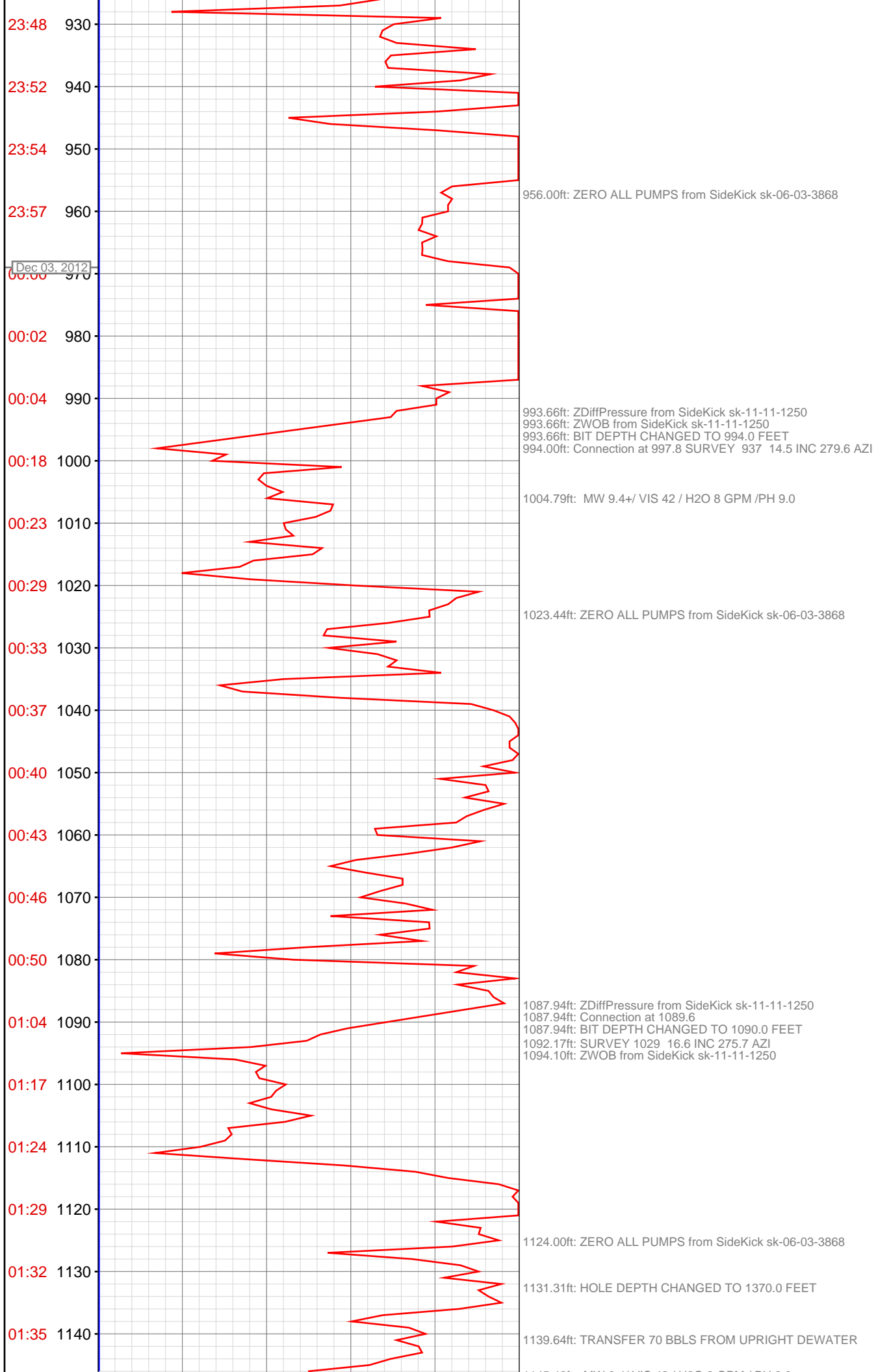
**CONTRACTOR:** Patterson-UTI Drilling Company  
**UNIQUE WELL ID:** 05-045-21736-00  
**SPUD DATE:** Dec 02, 2012 14:30  
**RELEASE DATE:** Dec 10, 2012 16:00

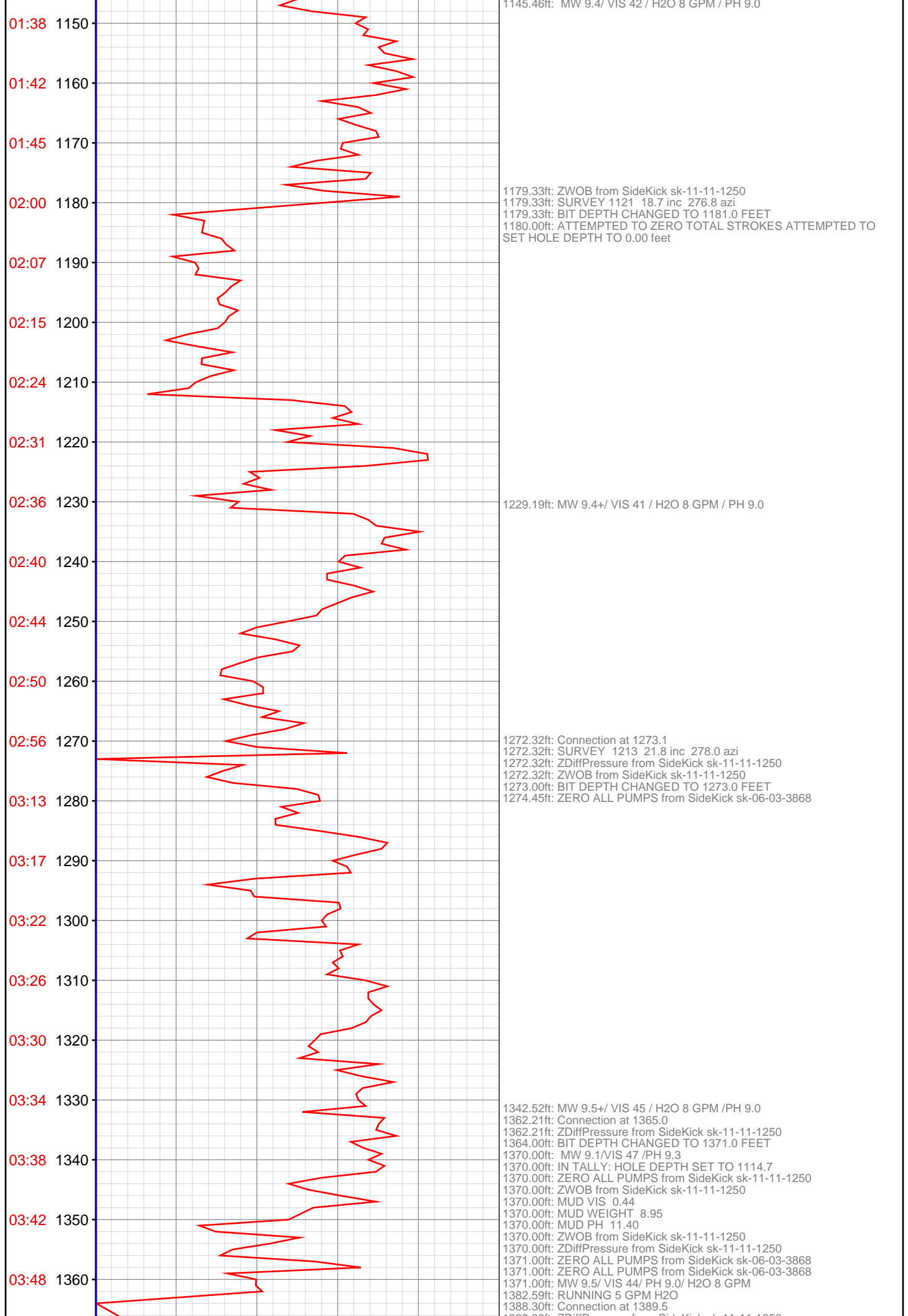


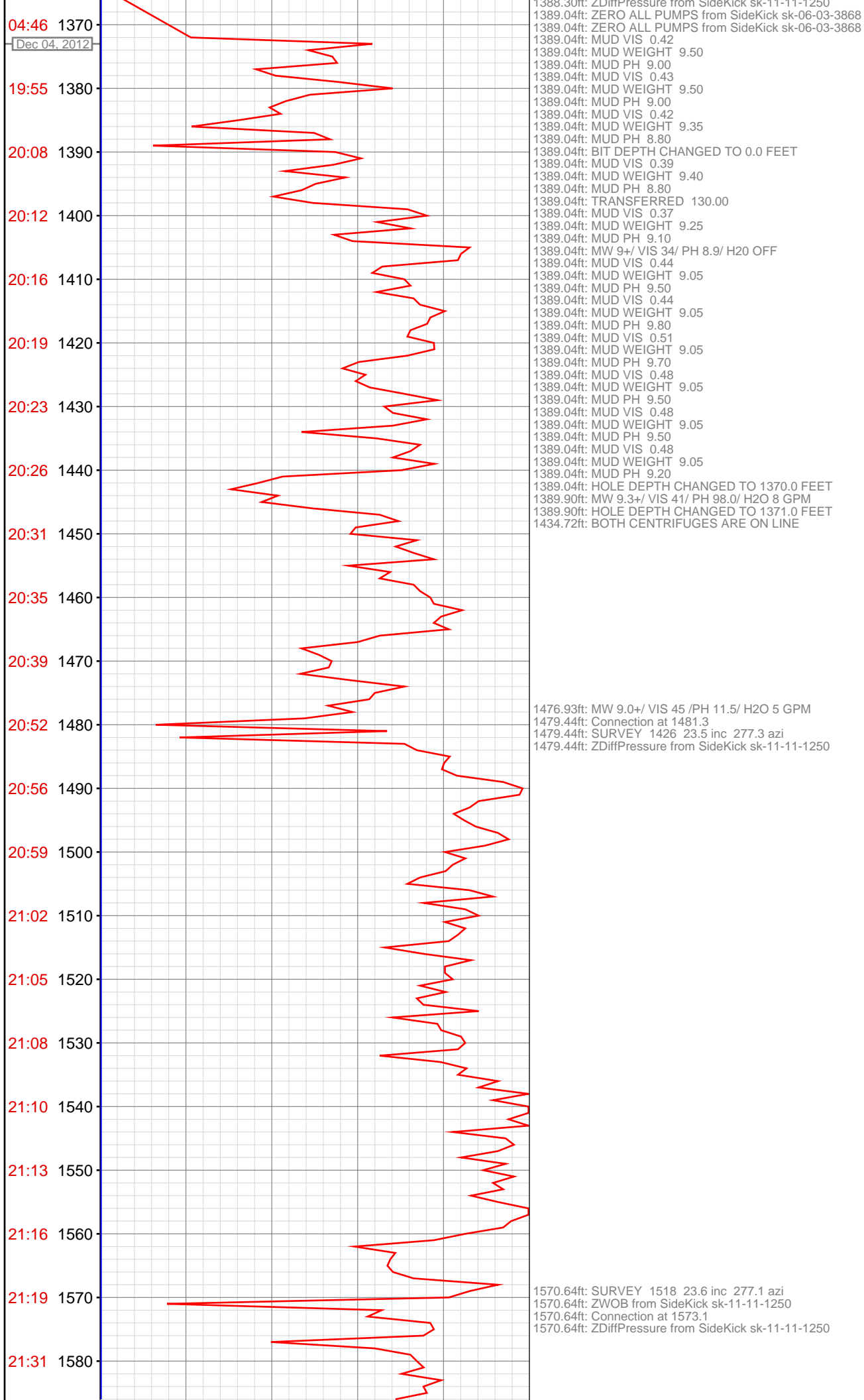


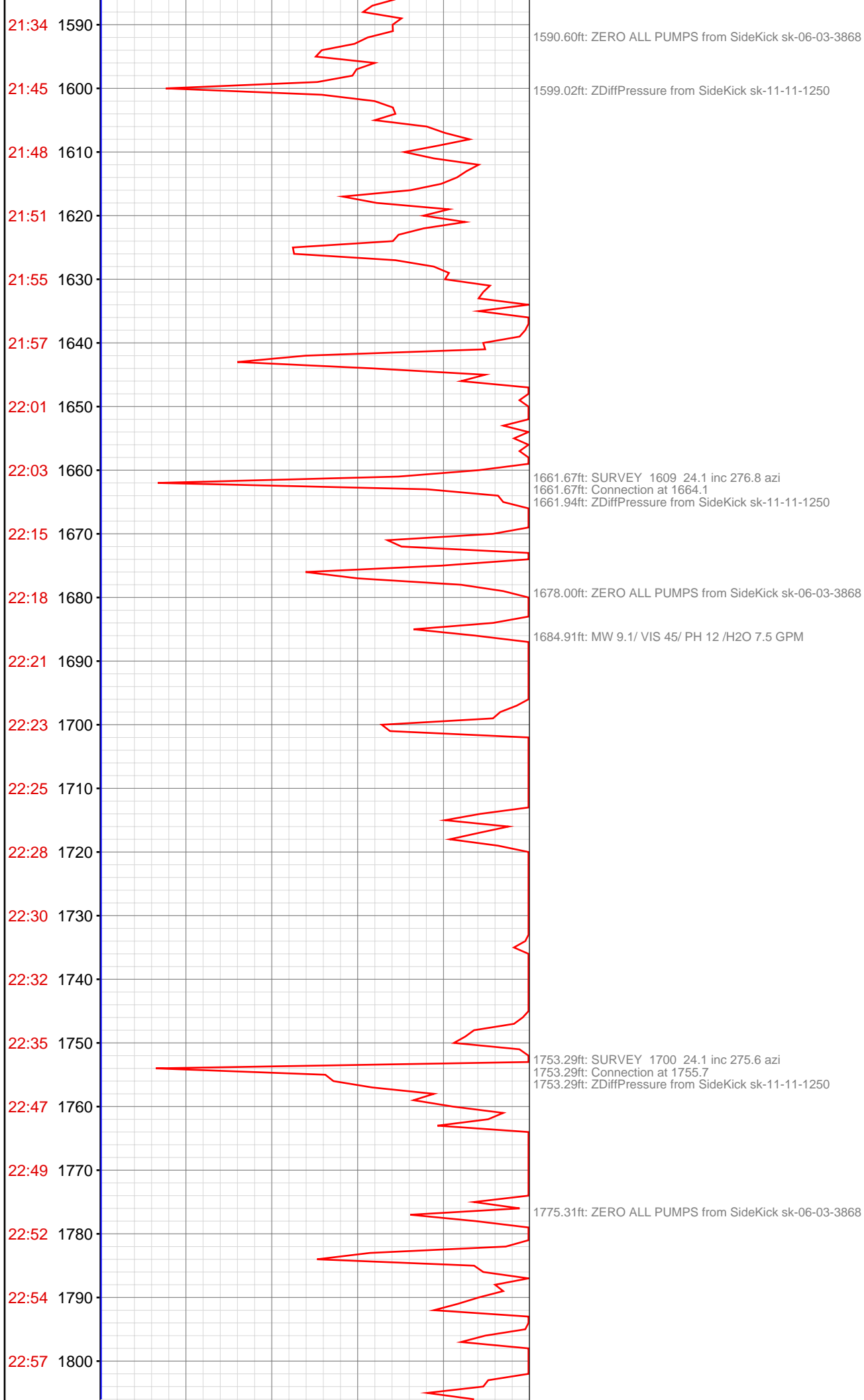




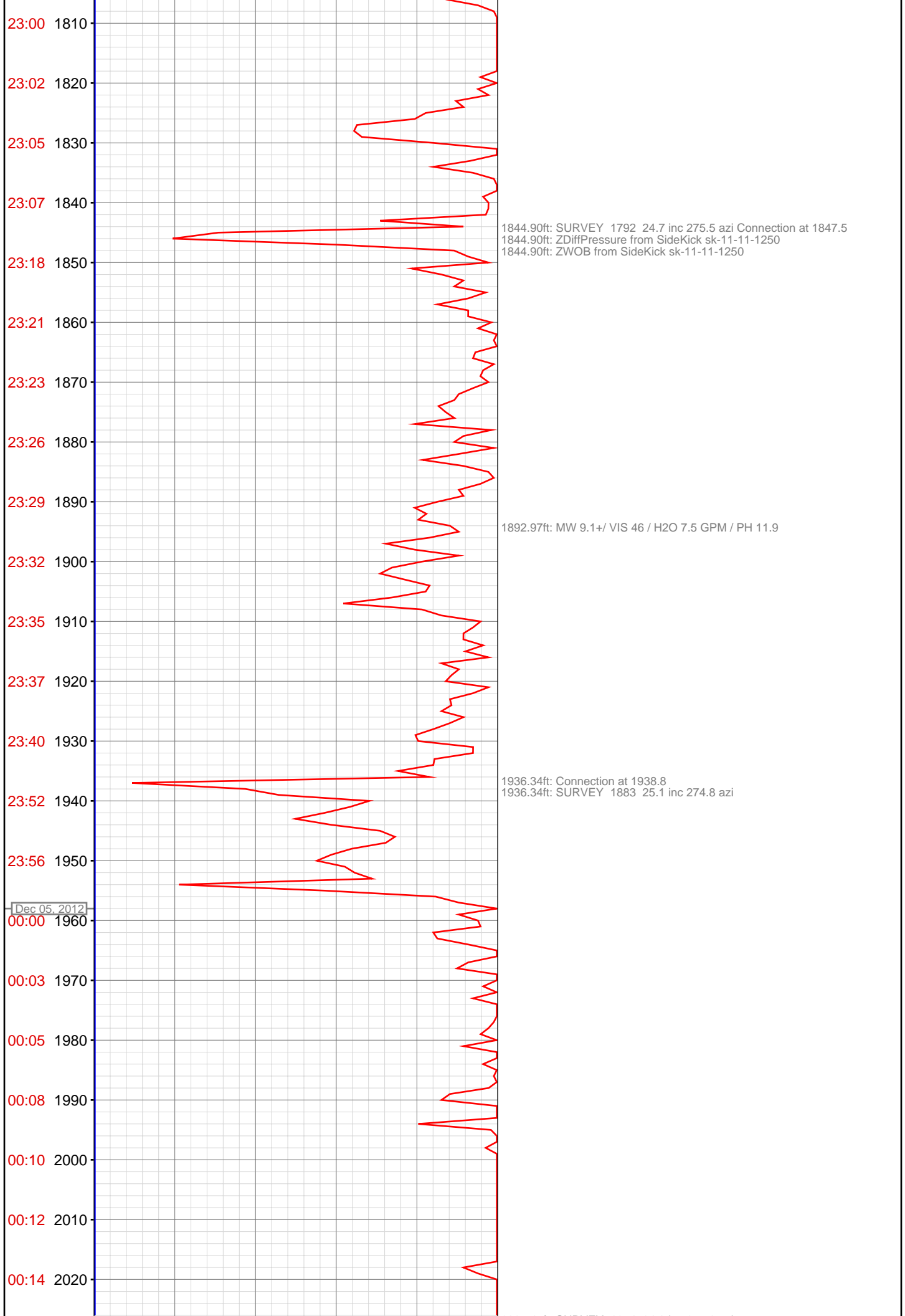


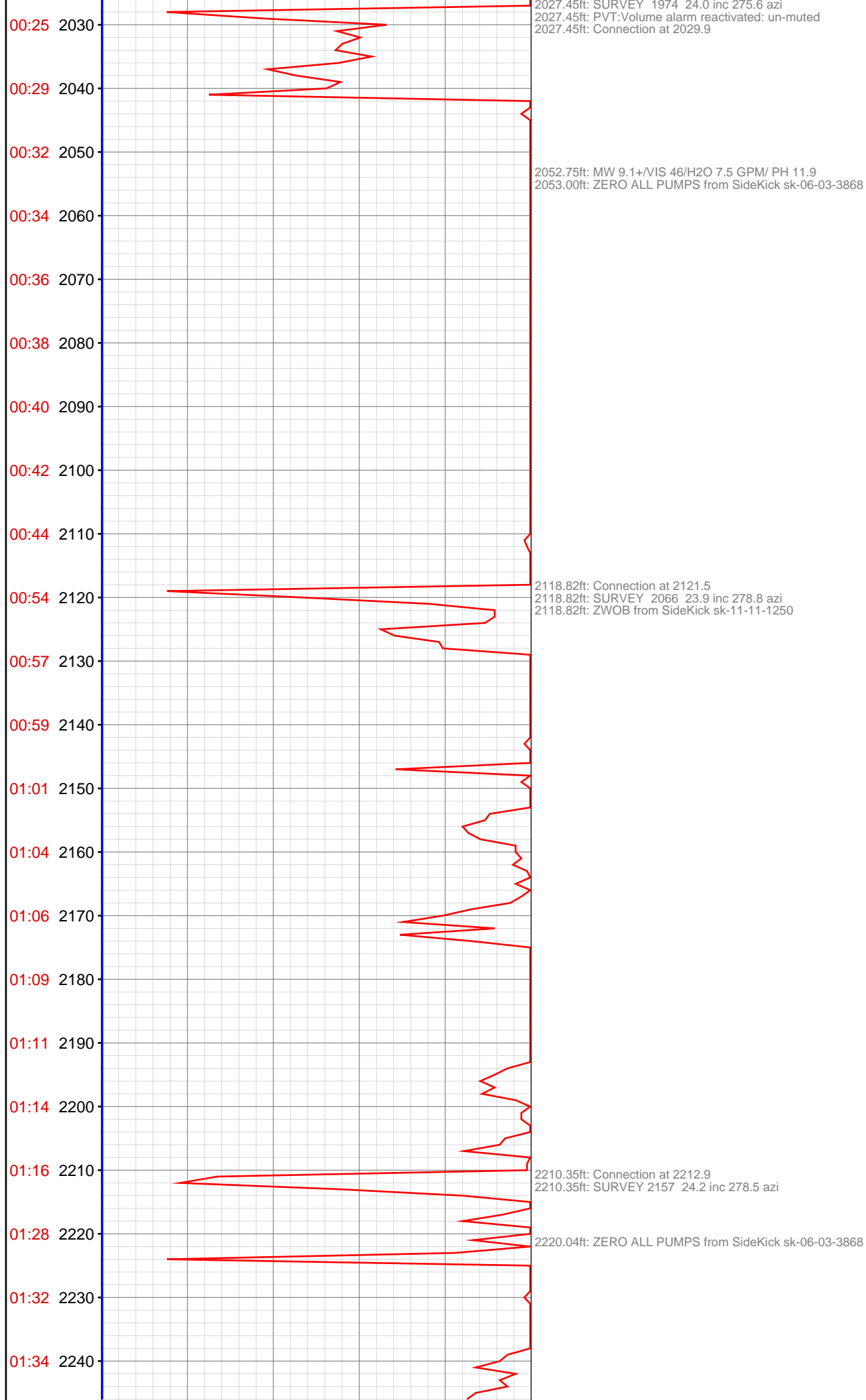


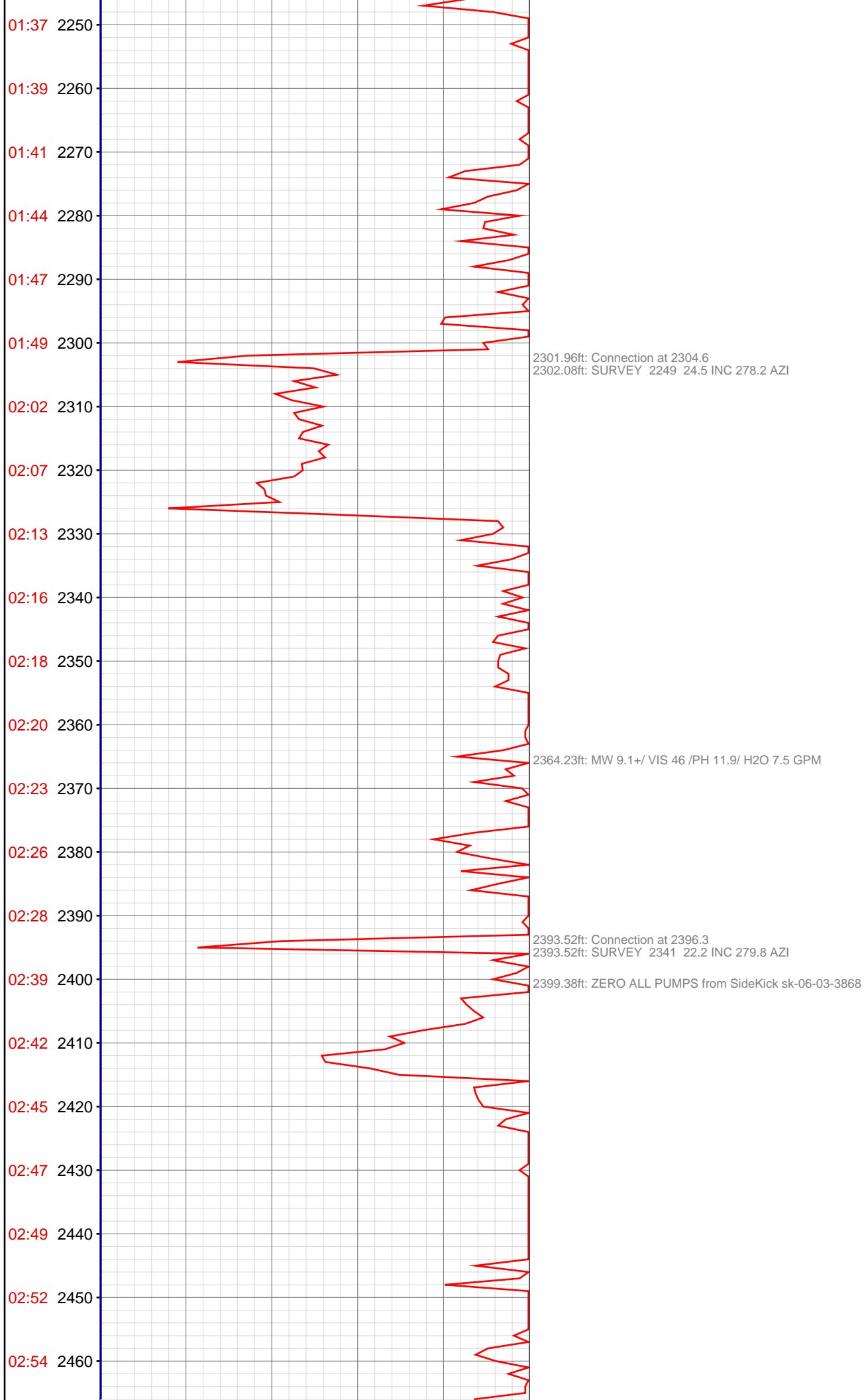


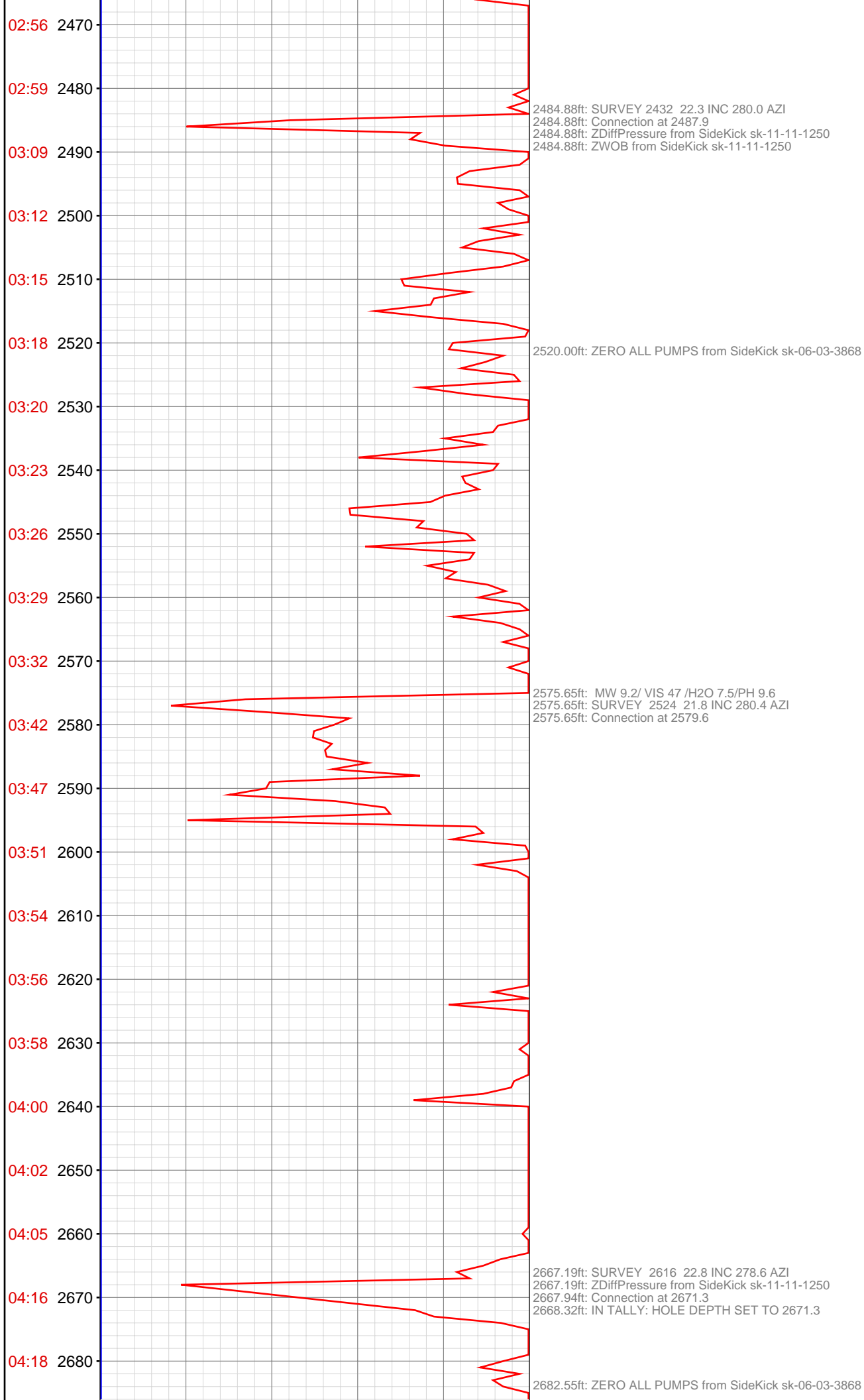


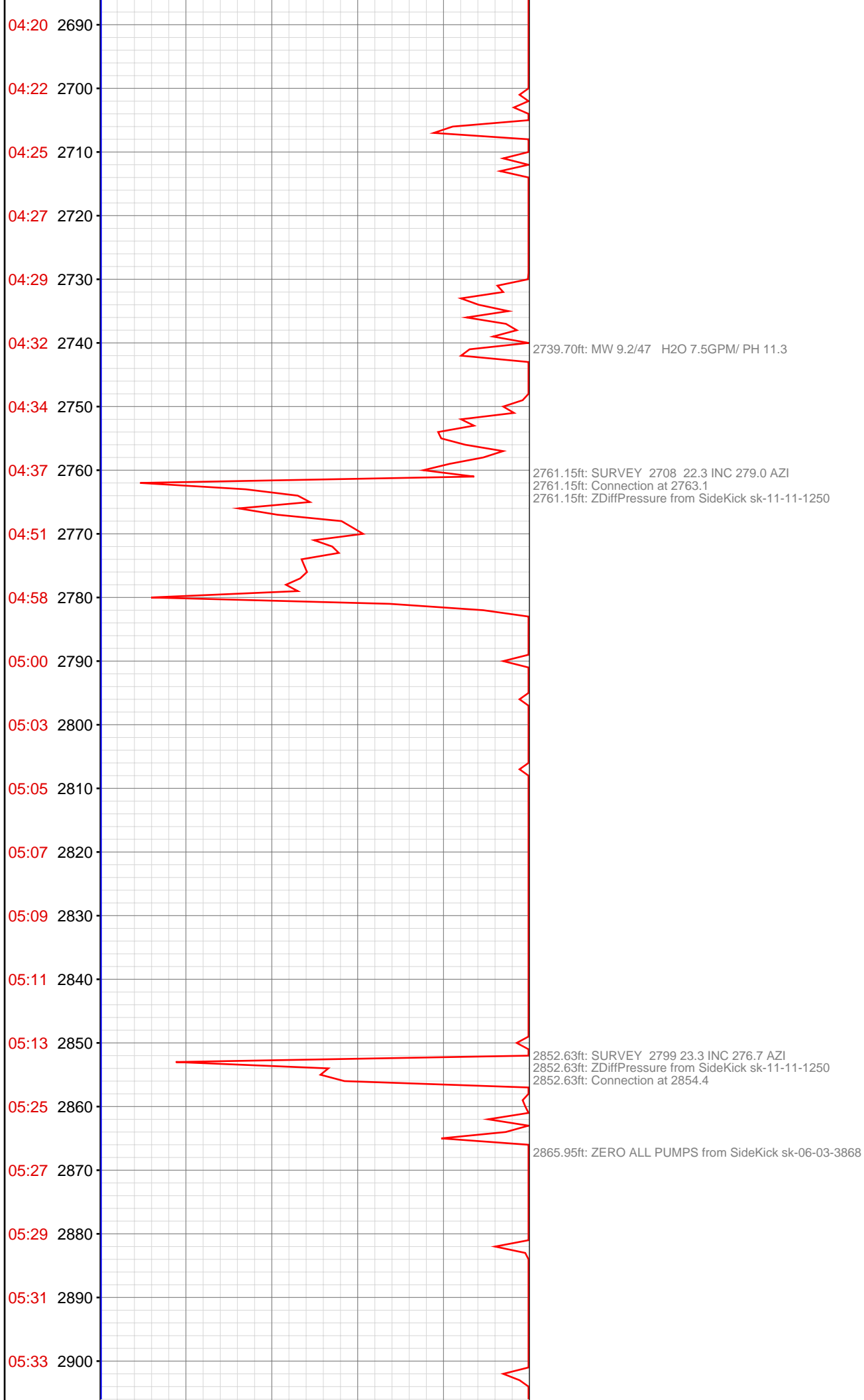


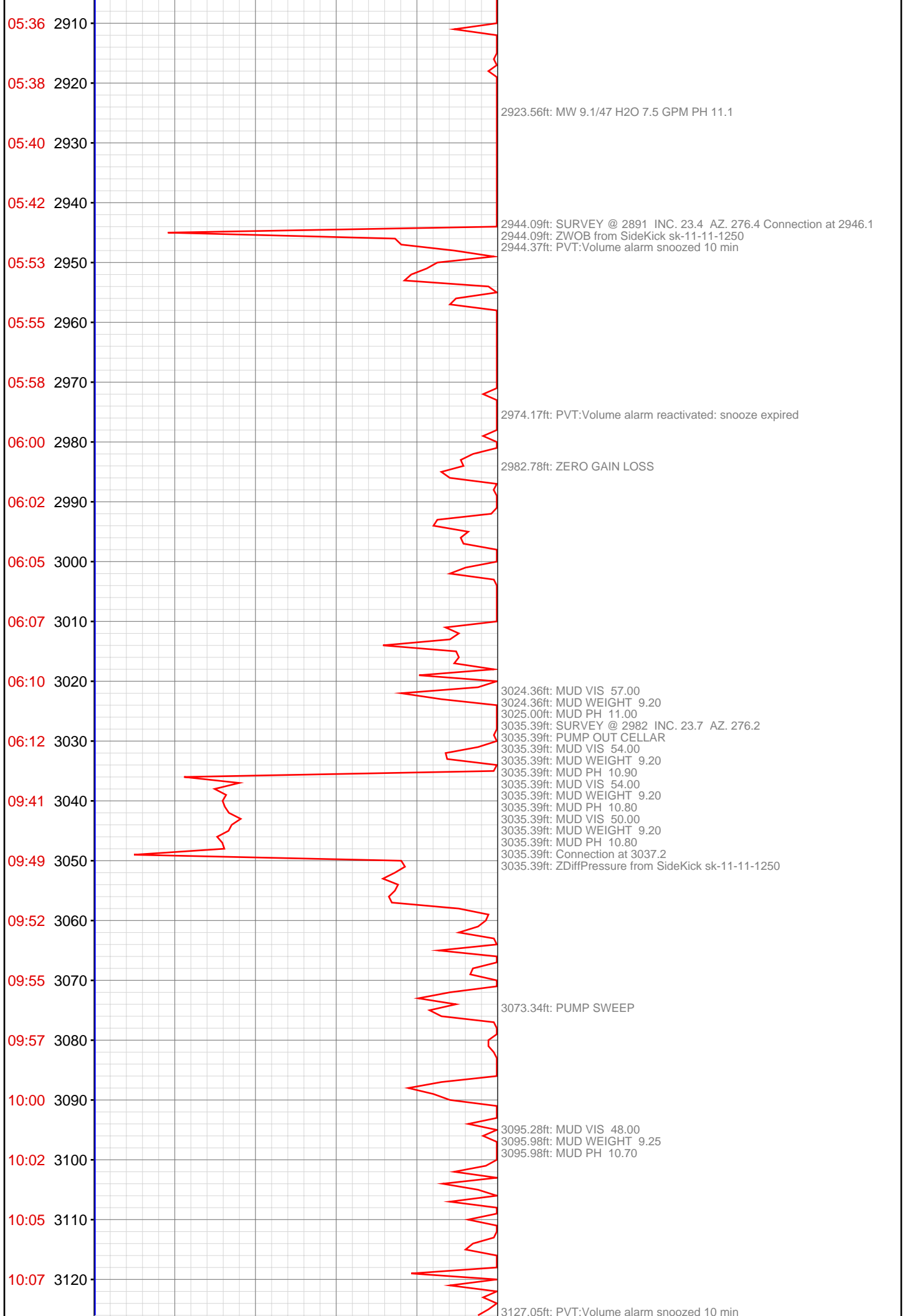


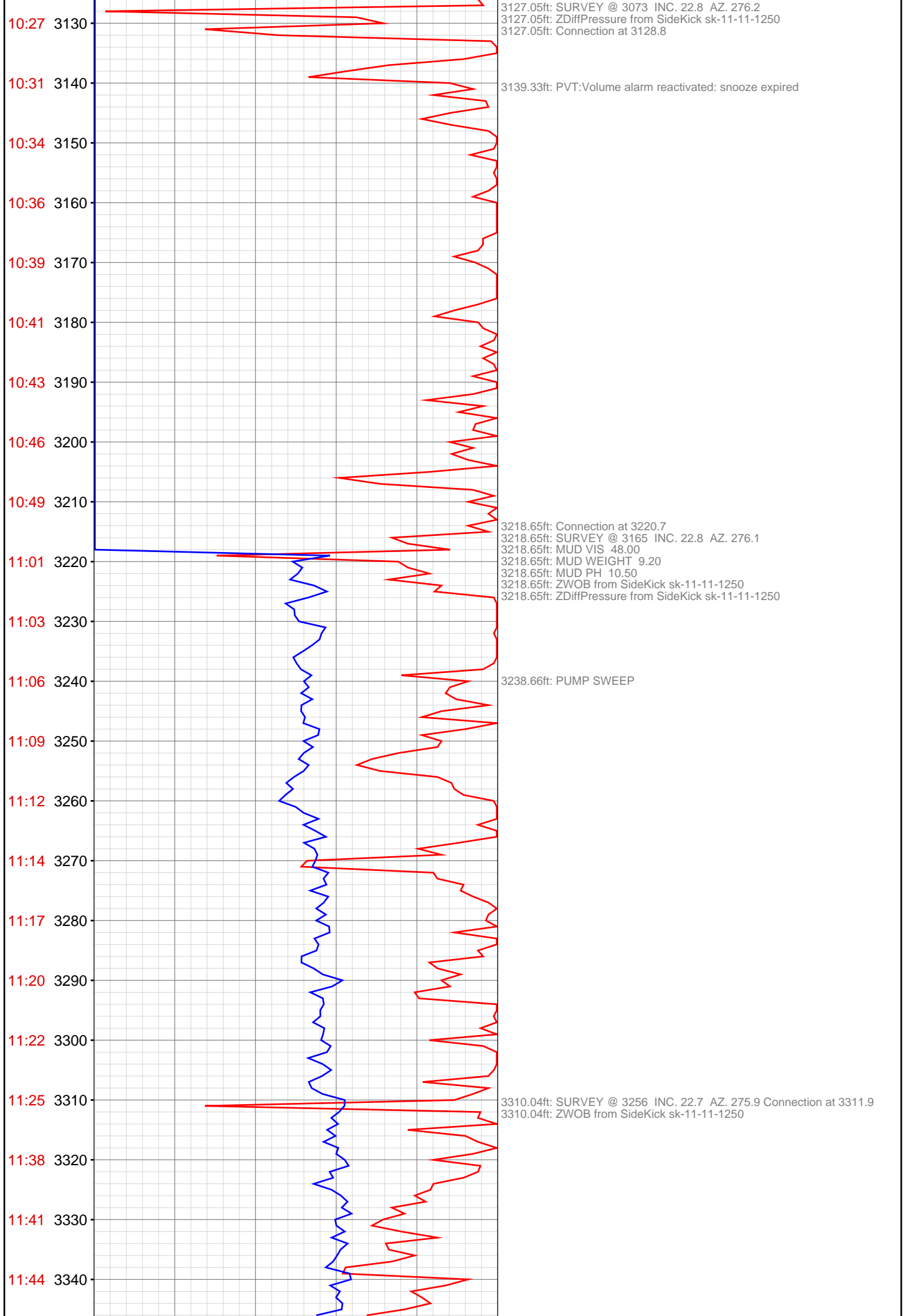


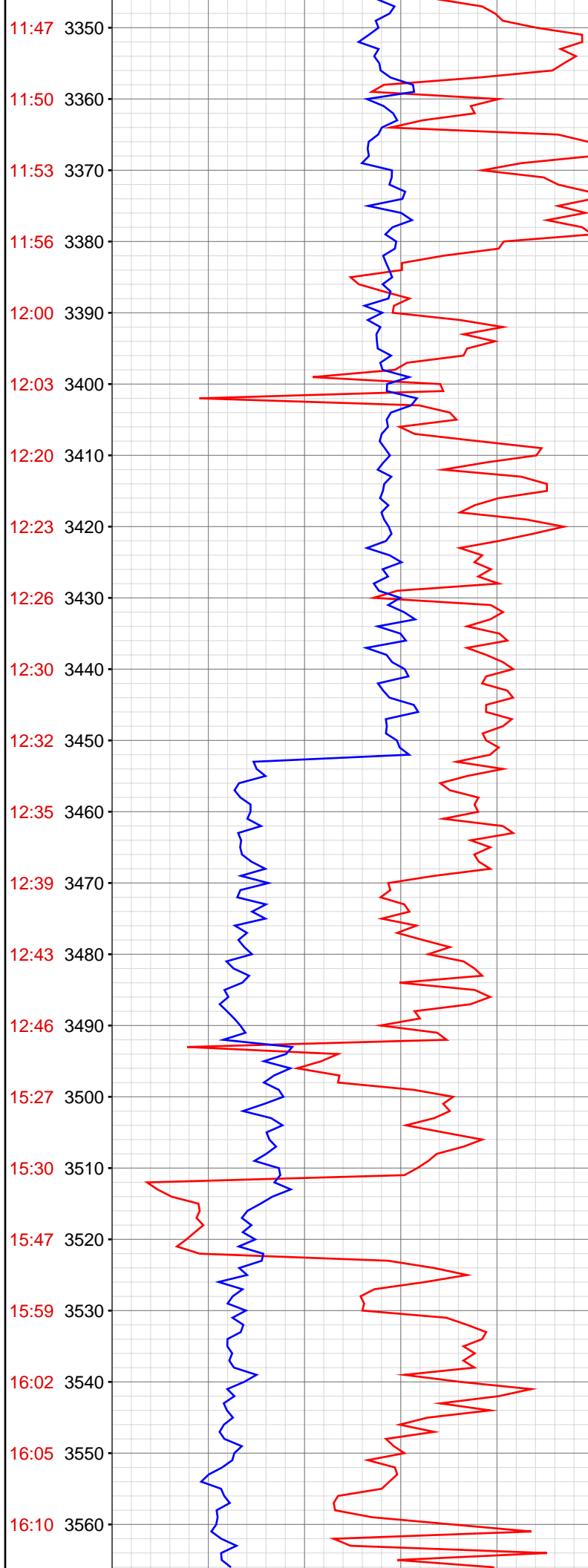












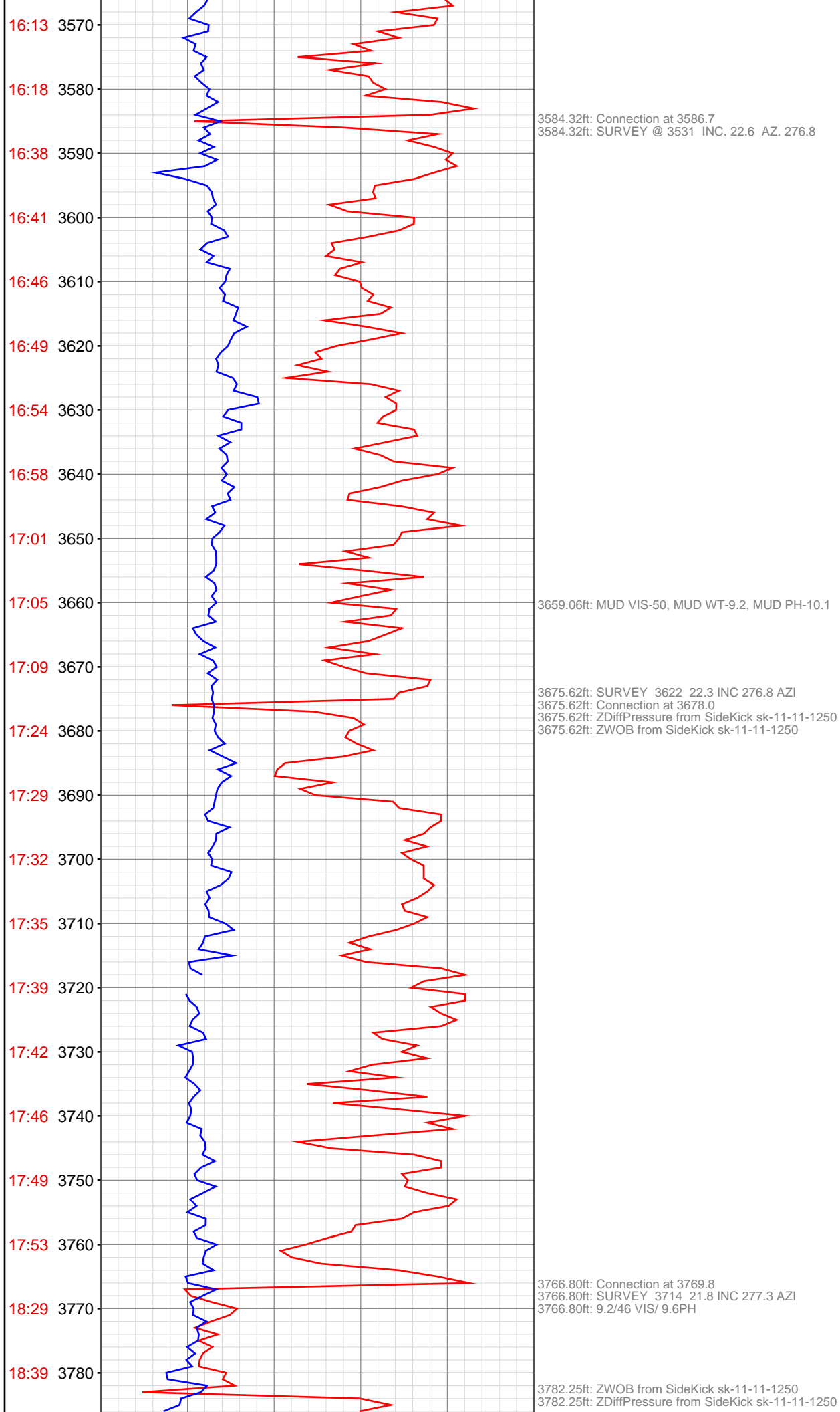
3401.48ft: Connection at 3403.5  
3401.48ft: SURVEY @ 3348 INC. 22.5 AZ. 275.5

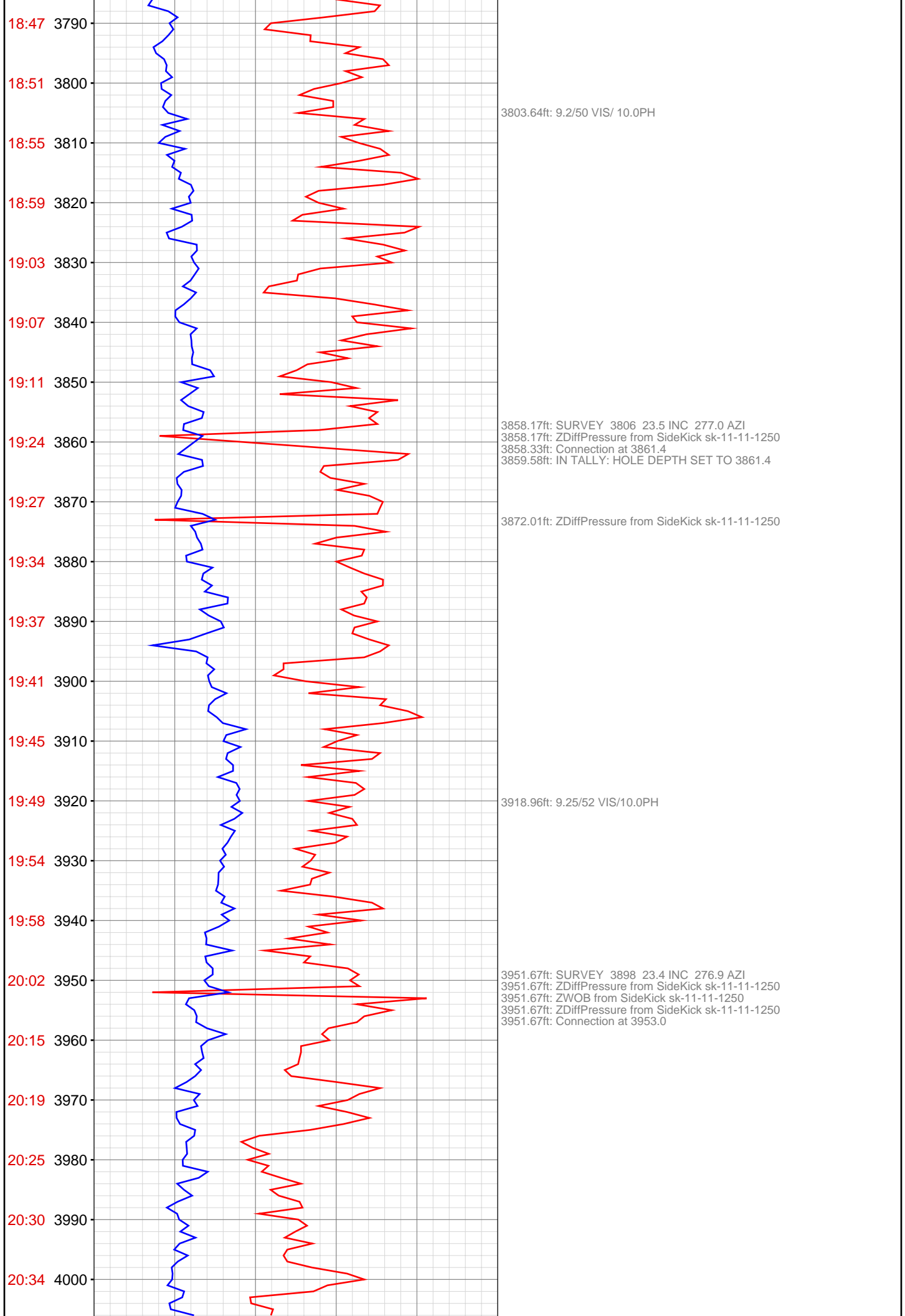
3481.99ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

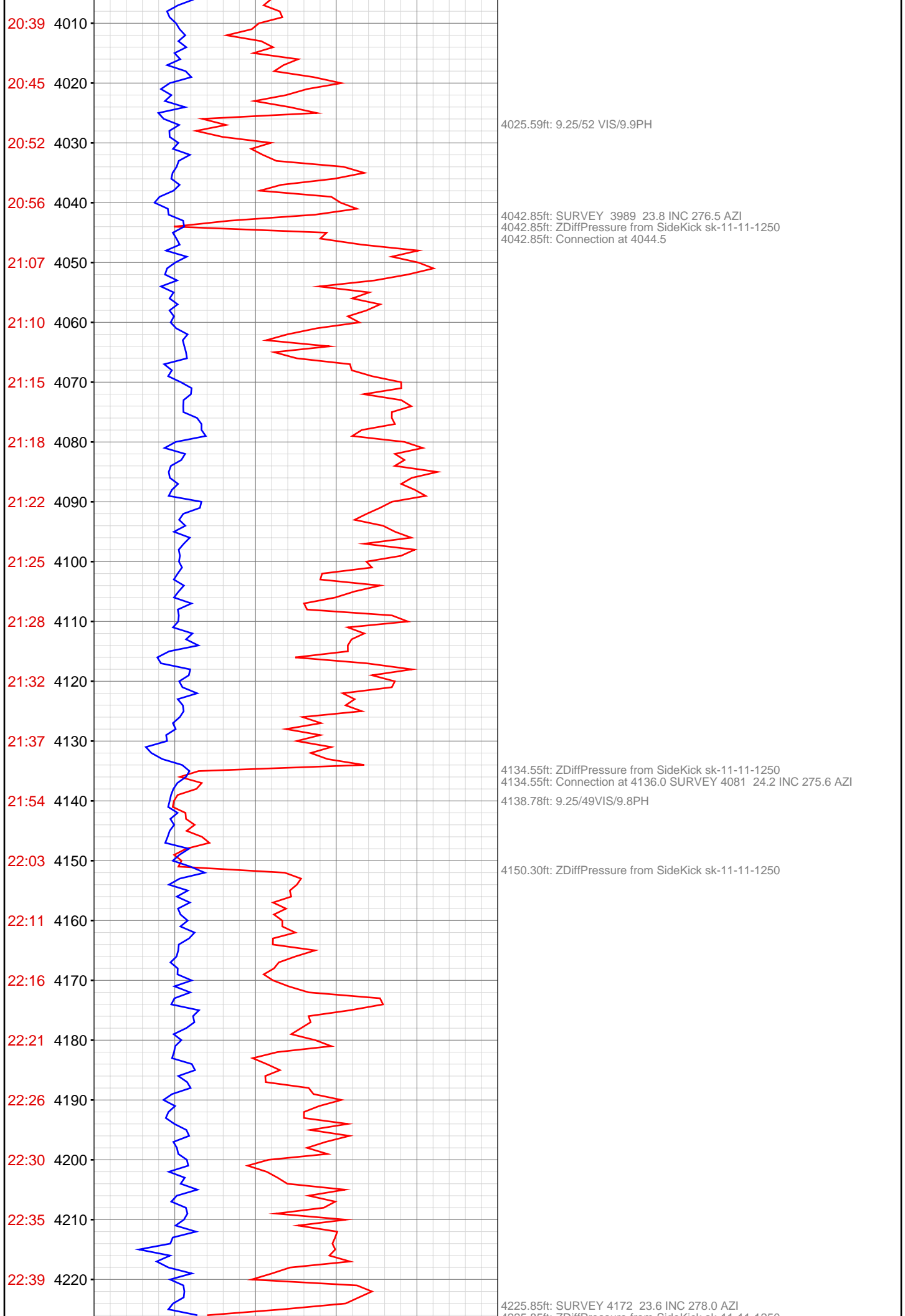
3492.75ft: TRANSFER 80 BBL  
3492.75ft: PVT:Volume alarm muted  
3492.75ft: MUD VIS-44, MUD WT-9.1, MUD PH-9.5  
3492.75ft: ZERO GAIN LOSS  
3492.75ft: SURVEY @ 3440 INC. 22.3 AZ. 275.0  
3492.75ft: Connection at 3495.1  
3492.75ft: ZWOB from SideKick sk-11-11-1250  
3492.75ft: ZDiffPressure from SideKick sk-11-11-1250

3535.89ft: MUD VIS-48, MUD WT.-9.2, MUD PH-9.5









4225.85ft: ZDiffPressure from SideKick sk-11-11-1250  
4225.85ft: Connection at 4227.7  
4226.25ft: 9.25/48VIS/9.7PH

4317.36ft: ZDiffPressure from SideKick sk-11-11-1250  
4317.36ft: Connection at 4319.3 SURVEY 4264 24.7 INC 277.8 AZI  
4320.14ft: TRANSFER 80 BBLs

4333.86ft: 9.2/49VIS/9.8PH

4341.40ft: ZWOB from SideKick sk-11-11-1250  
4341.40ft: ZDiffPressure from SideKick sk-11-11-1250  
4342.09ft: TRANSFER 60 BBLs

4407.19ft: 9.2/51VIS/9.7PH  
4408.60ft: SURVEY 4356 22.8 INC 277.8 AZI  
4408.83ft: Connection at 4411.1

22:52 4230

22:56 4240

23:03 4250

23:06 4260

23:11 4270

23:16 4280

23:20 4290

23:25 4300

23:30 4310

23:44 4320

23:58 4330

Dec 06, 2012

00:11 4340

00:20 4350

00:25 4360

00:30 4370

00:35 4380

00:41 4390

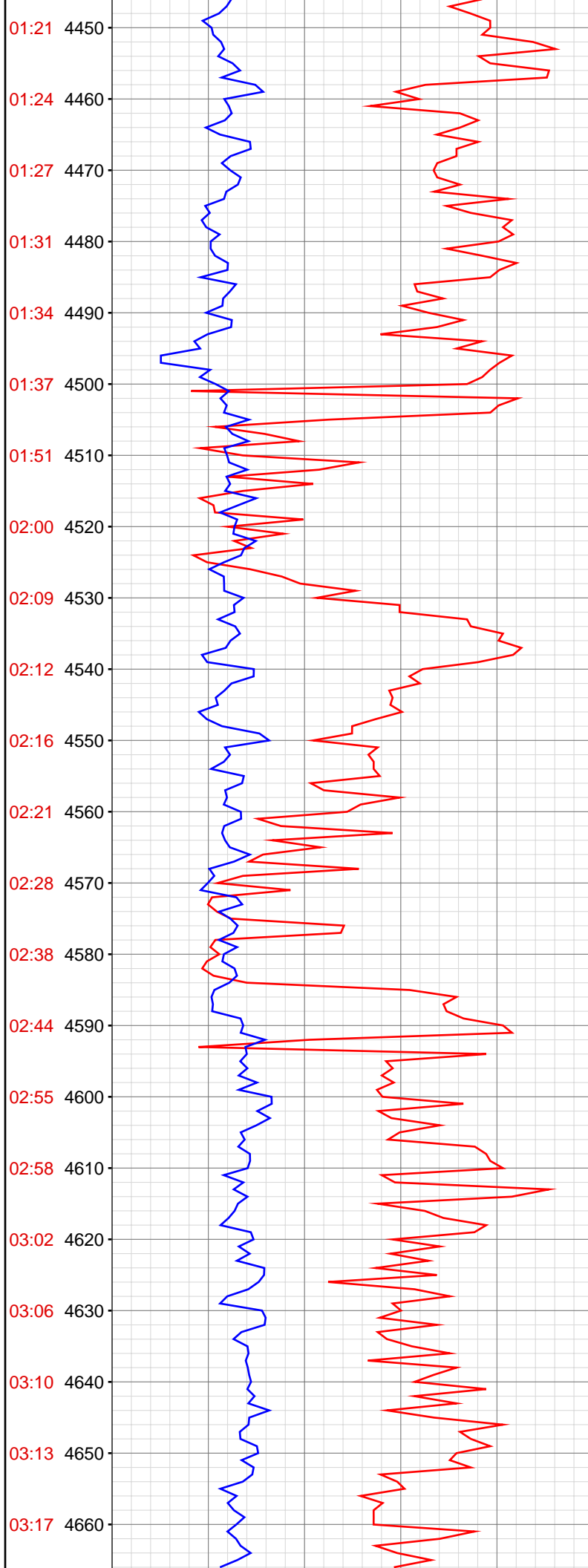
00:48 4400

01:03 4410

01:09 4420

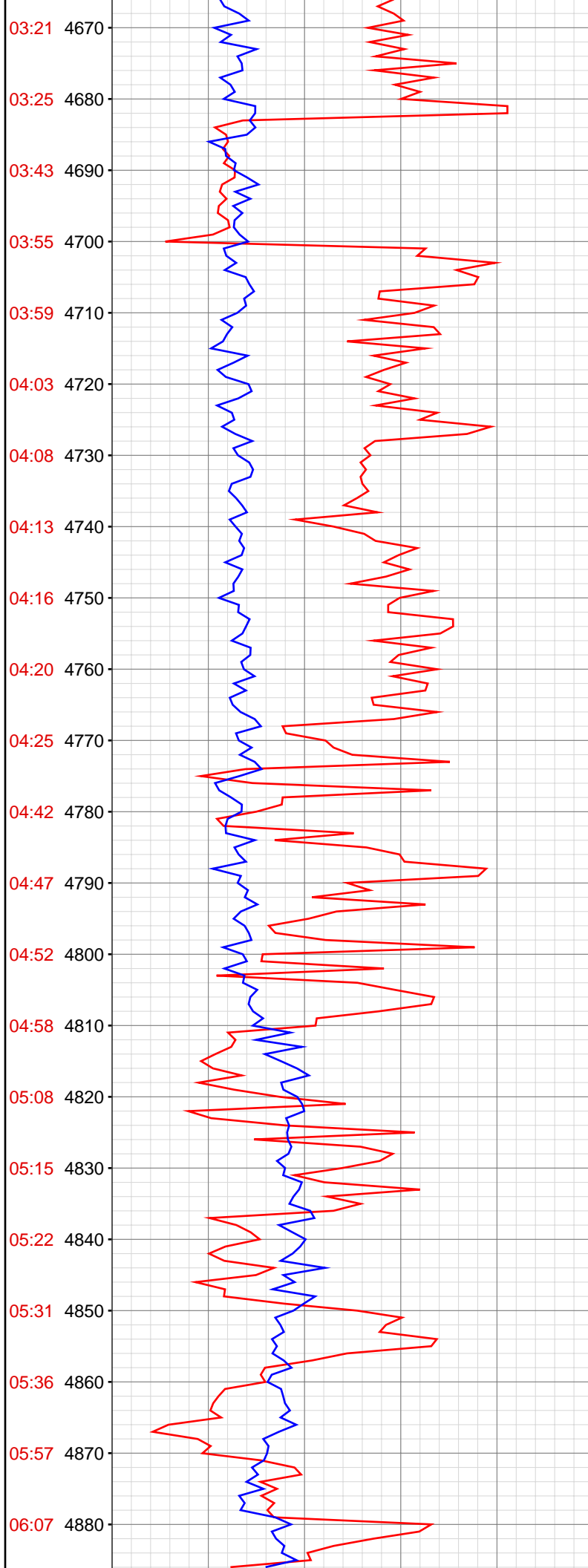
01:14 4430

01:18 4440



4500.30ft: SURVEY 4447 22.4 INC 278.6 AZI  
4500.30ft: ZDiffPressure from SideKick sk-11-11-1250  
4500.30ft: ZWOB from SideKick sk-11-11-1250  
4500.56ft: Connection at 4502.4  
4505.81ft: 9.2/48VIS/9.5PH

4591.63ft: Connection at 4594.1  
4592.06ft: SURVEY 4539 22.5 INC 278.6 AZI  
4595.24ft: 9.2/47VIS/9.7PH



4682.41ft: ZDiffPressure from SideKick sk-11-11-1250  
4682.41ft: Connection at 4685.5 SURVEY 4630 22.8 INC 276.8 AZI

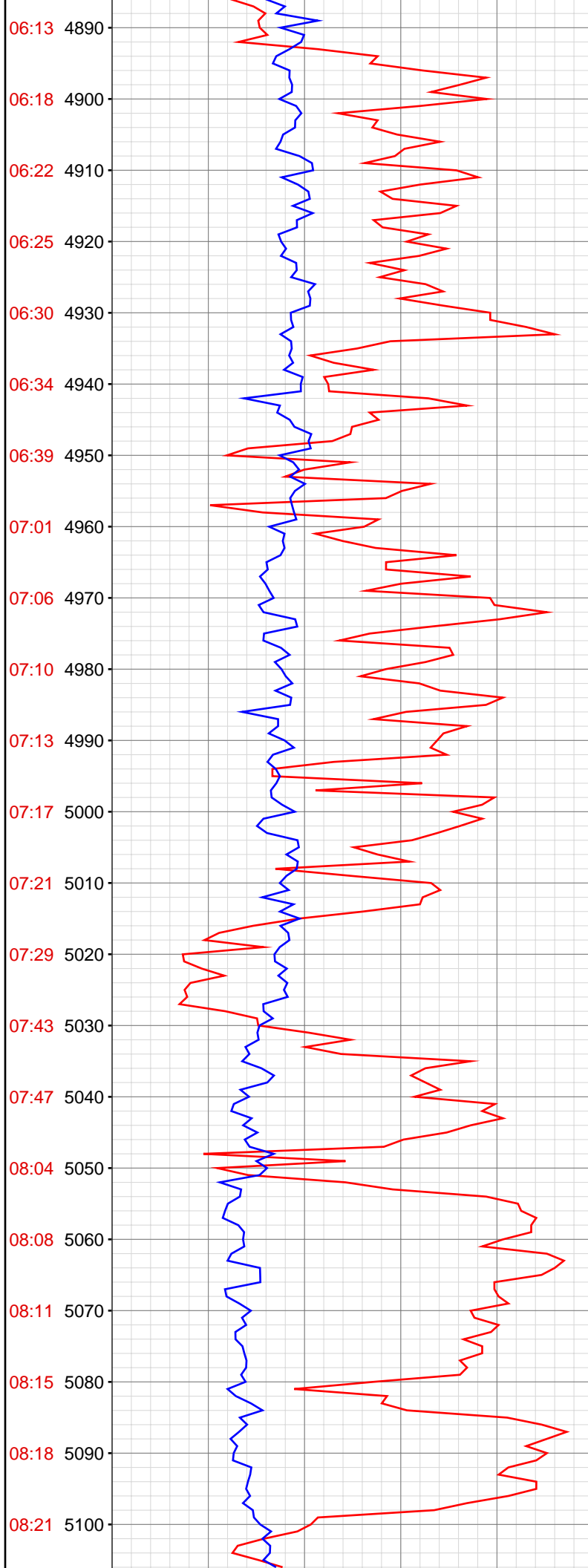
4699.64ft: ZDiffPressure from SideKick sk-11-11-1250  
4699.64ft: ZWOB from SideKick sk-11-11-1250  
4699.64ft: ZDiffPressure from SideKick sk-11-11-1250  
4699.64ft: 9.25/49VIS/10.1PH  
4699.64ft: ZDiffPressure from SideKick sk-11-11-1250  
4699.64ft: ZDiffPressure from SideKick sk-11-11-1250

4773.82ft: Connection at 4777.2

4794.29ft: 9.25/49VIS/10PH

4865.29ft: Connection at 4868.6  
4866.40ft: SURVEY @ 4813 INC. 21.5 AZ. 280.5

4878.18ft: ZDiffPressure from SideKick sk-11-11-1250  
4878.18ft: ZWOB from SideKick sk-11-11-1250

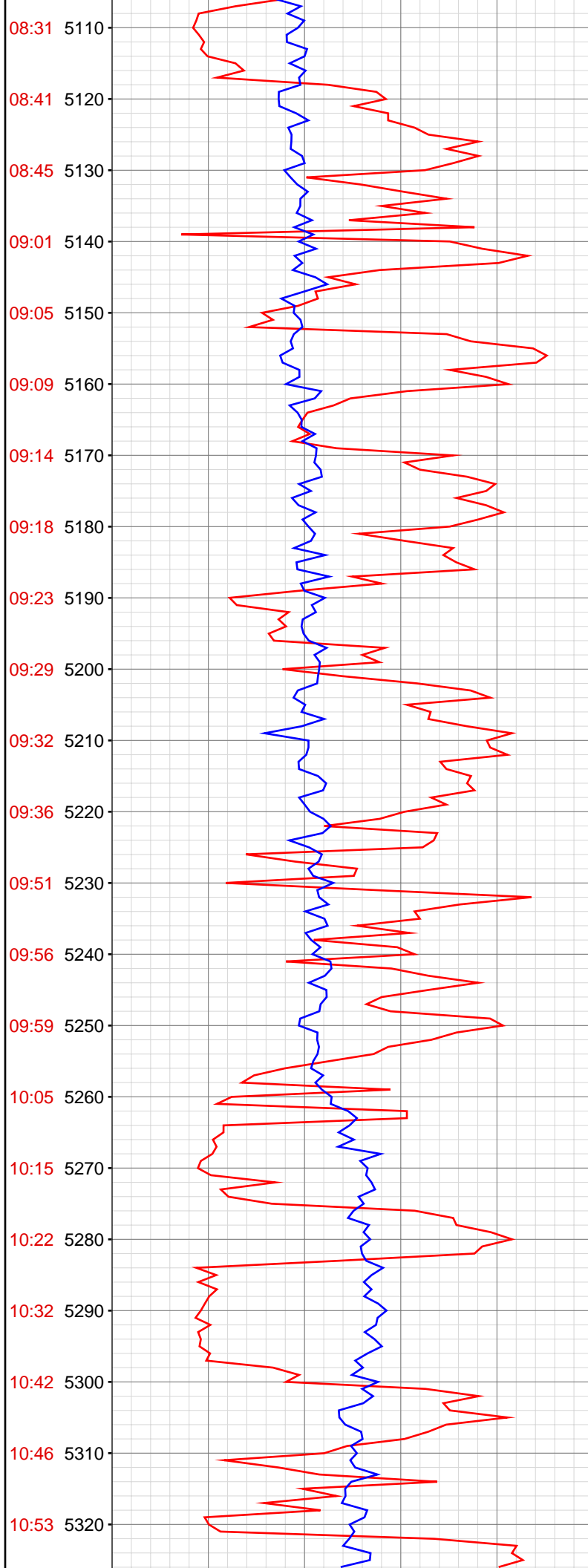


4892.13ft: MUD VIS-48, MUD WT- 9.25, MUD PH-9.7

4956.14ft: Connection at 4960.6  
4956.14ft: SURVEY @ 4905 INC. 21.9 AZ. 277.9

4964.83ft: MUD VIS-43/MUDWT-9.25/MUDPH-10.4

5047.28ft: Connection at 5052.1  
5047.28ft: ZWOB from SideKick sk-11-11-1250  
5047.28ft: ZDiffPressure from SideKick sk-11-11-1250



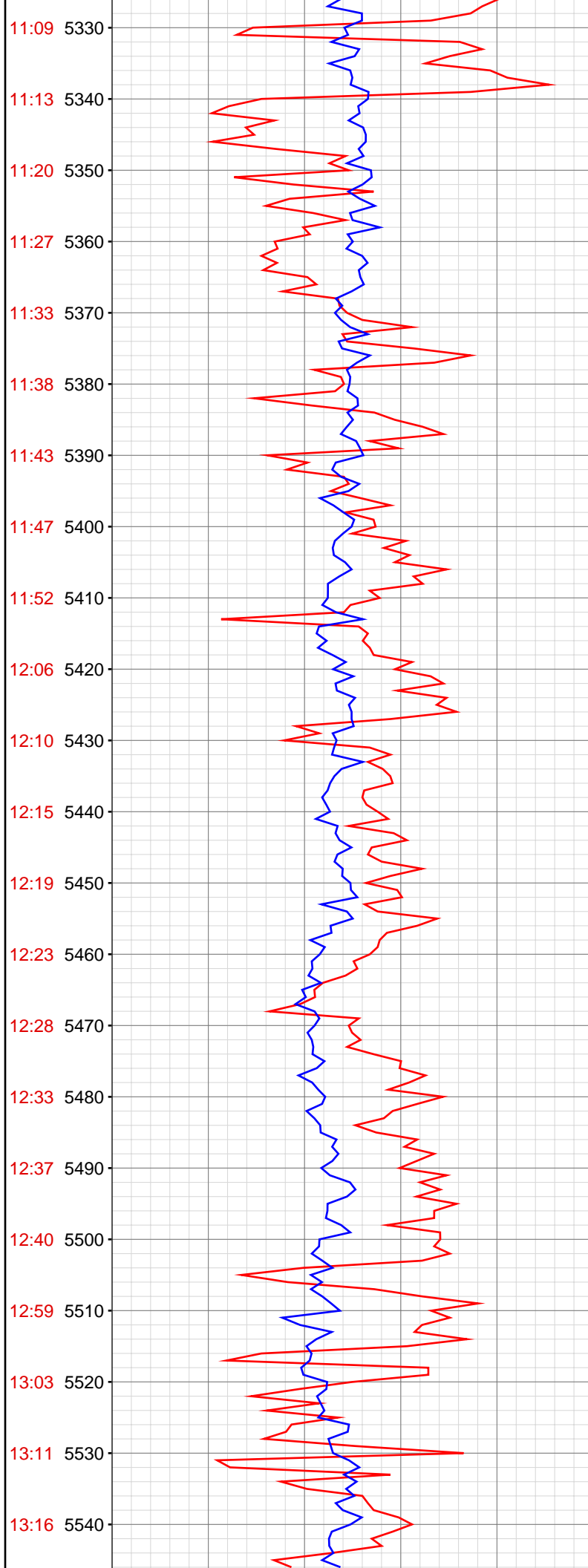
5138.19ft: Connection at 5143.5  
5138.19ft: SURVEY @ 5088 INC. 21.8 AZ. 276.9  
5138.19ft: MUD VIS-47, MUD WT-9.25, MUD PH-9.8  
5138.19ft: ZWOB from SideKick sk-11-11-1250

5229.33ft: Connection at 5235.1  
5229.33ft: SURVEY @ 5180 INC. 21.7 AZ. 277.3

5240.75ft: MUD VIS-45, MUD WT-9.25, MUDPH-9.5

5319.36ft: MUD VIS-50, MUD WT-9.25, MUD PH-9.8  
5320.90ft: Connection at 5326.6  
5320.90ft: SURVEY @ 5271 INC. 21.6 AZ. 276.2  
5320.90ft: ZWOB from SideKick sk-11-11-1250  
5320.90ft: ZDiffPressure from SideKick sk-11-11-1250

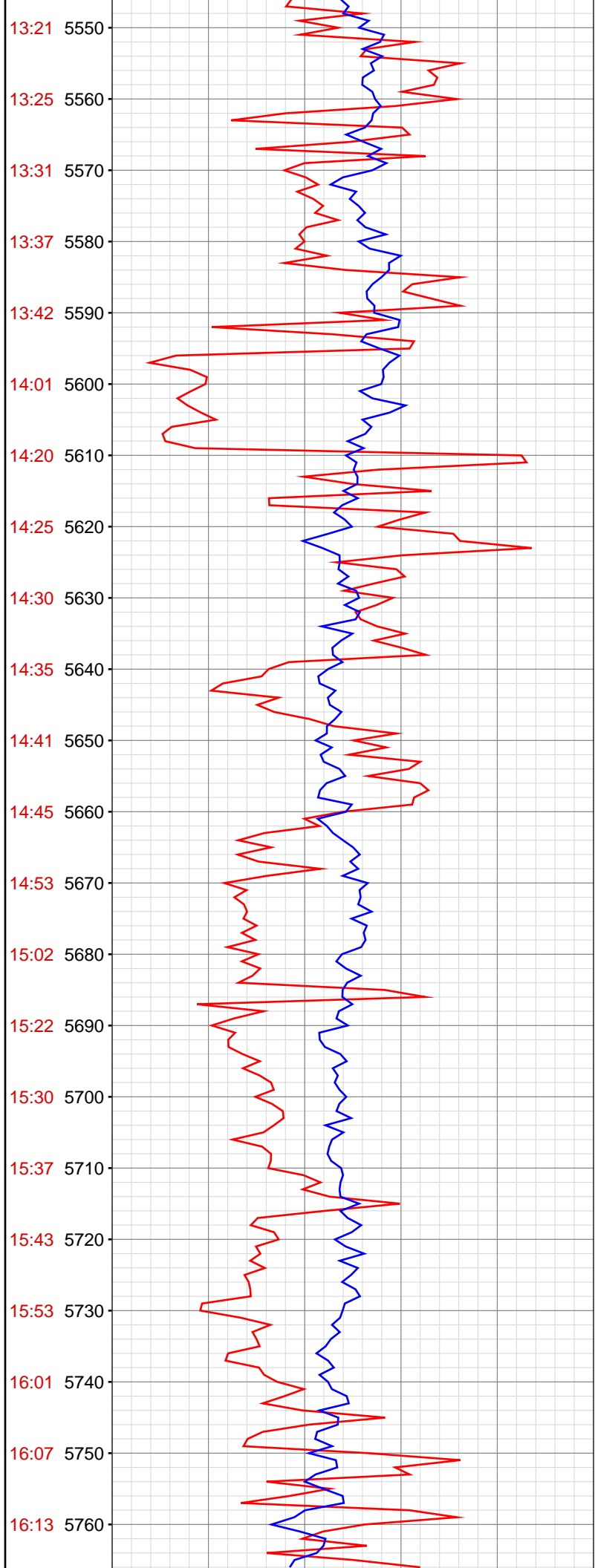




5412.27ft: Connection at 5418.1  
5412.27ft: SURVEY @ 5363 INC. 21.6 AZ. 276.4  
5412.27ft: MUD VIS-47, MUD WT-9.25, MUD PH-9.8

5504.00ft: Connection at 5509.7  
5504.00ft: SURVEY @ 5454 INC. 22.0 AZ. 275.8  
5504.00ft: ZWOB from SideKick sk-11-11-1250  
5504.00ft: ZDiffPressure from SideKick sk-11-11-1250  
5504.00ft: MUD VIS-47, MUD WT-9.3, MUD PH-10.2

5536.16ft: TRANSFERRED 50.00



5595.28ft: Connection at 5601.7

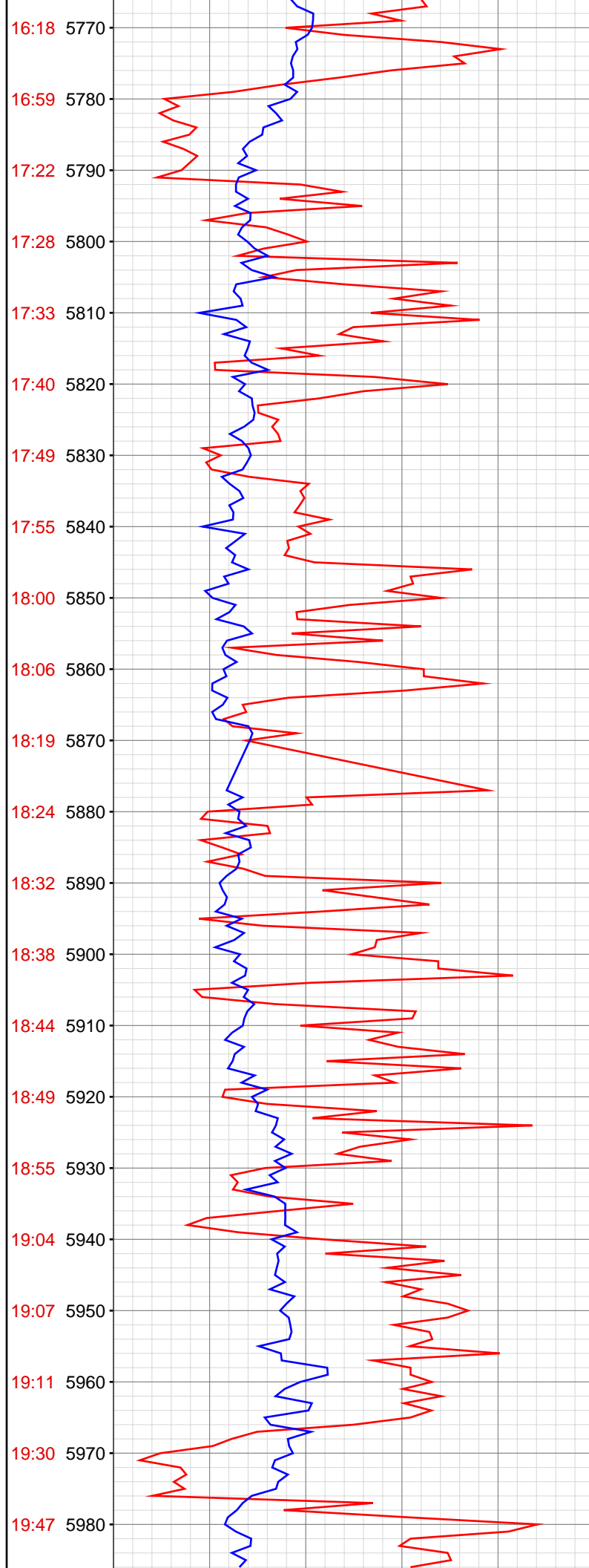
5599.18ft: SURVEY @ 5546 INC. 22.3 AZ. 275.6

5669.59ft: MUD VIS-45, MUD WT-9.4, MUD PH-9.4

5686.98ft: SURVEY @ 5638 INC. 20.3 AZ. 277.0

5686.98ft: Connection at 5693.2

5686.98ft: ZWOB from SideKick sk-11-11-1250



5778.54ft: SURVEY @ 5730 INC. 20.6 AZ. 276.3  
5778.54ft: Connection at 5785.1  
5779.56ft: MUD VIS-48, MUD WT-9.45, MUD PH-9.8

5859.71ft: 9.5/45VIS/10PH

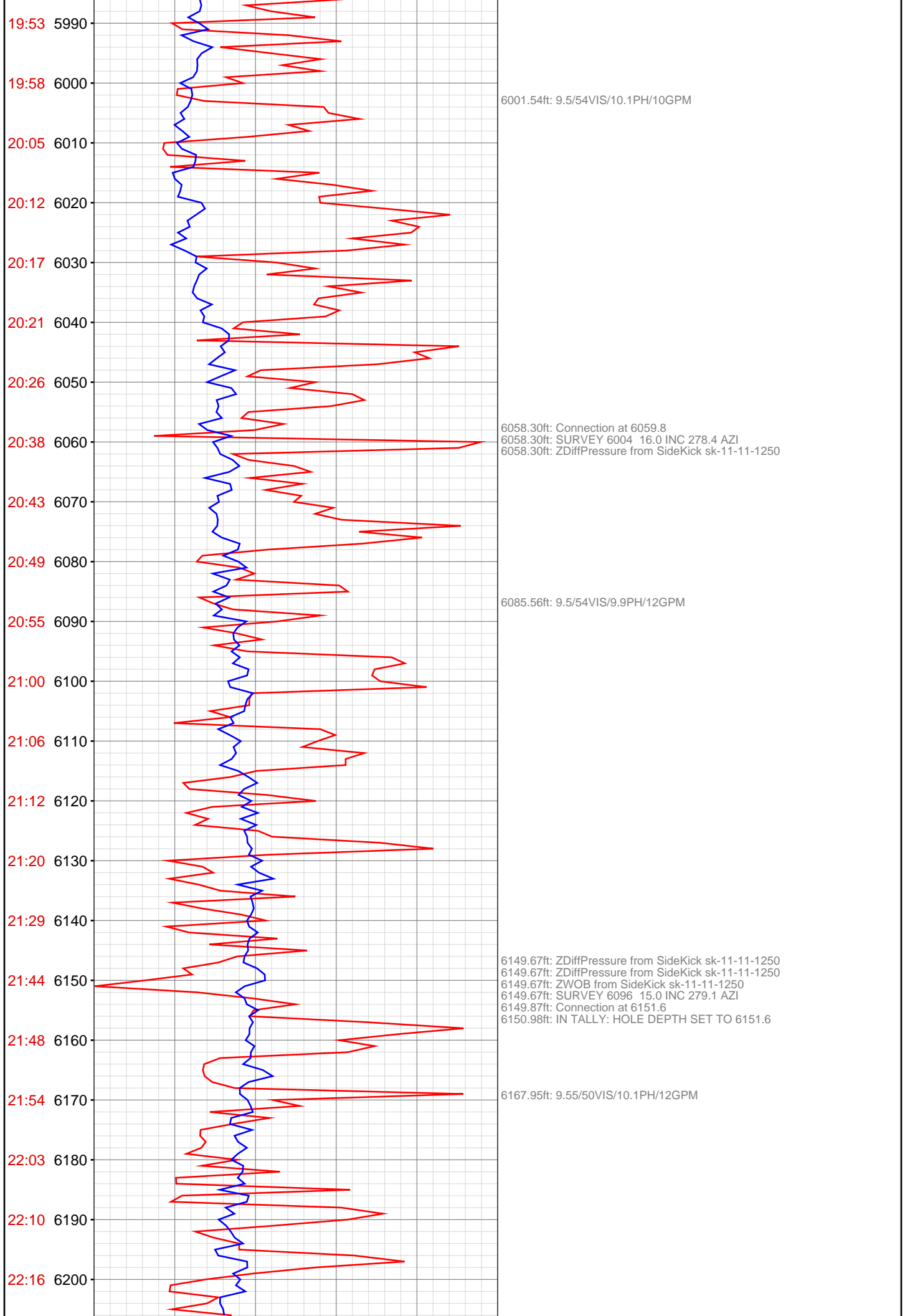
5869.62ft: SURVEY 5821 18.8 INC 277.7 AZI  
5869.62ft: ZWOB from SideKick sk-11-11-1250  
5869.62ft: ZDiffPressure from SideKick sk-11-11-1250  
5870.01ft: Connection at 5876.9  
5870.14ft: IN TALLY: HOLE DEPTH SET TO 5876.9

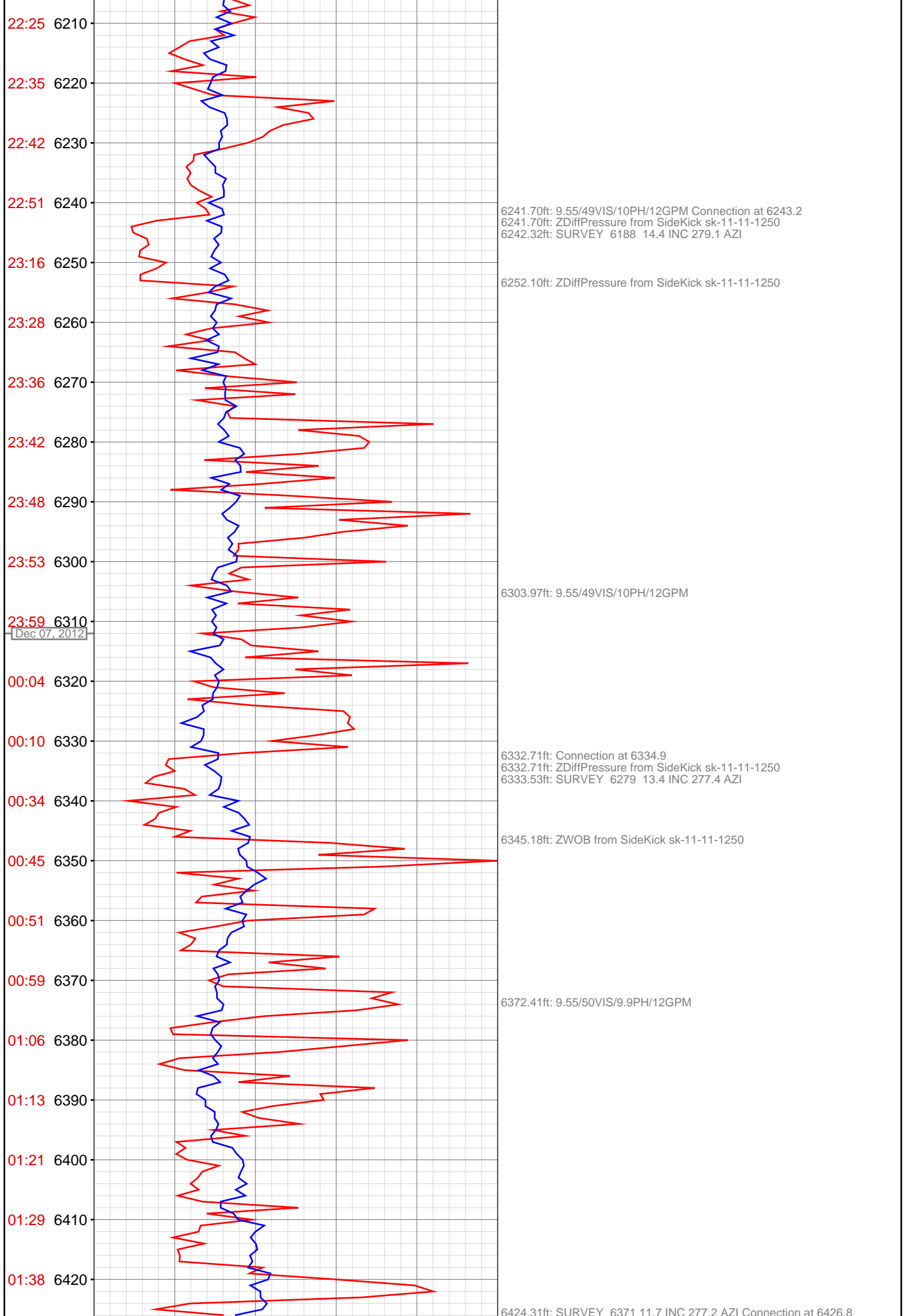
5942.36ft: 9.5/48VIS/10PH 10GPM

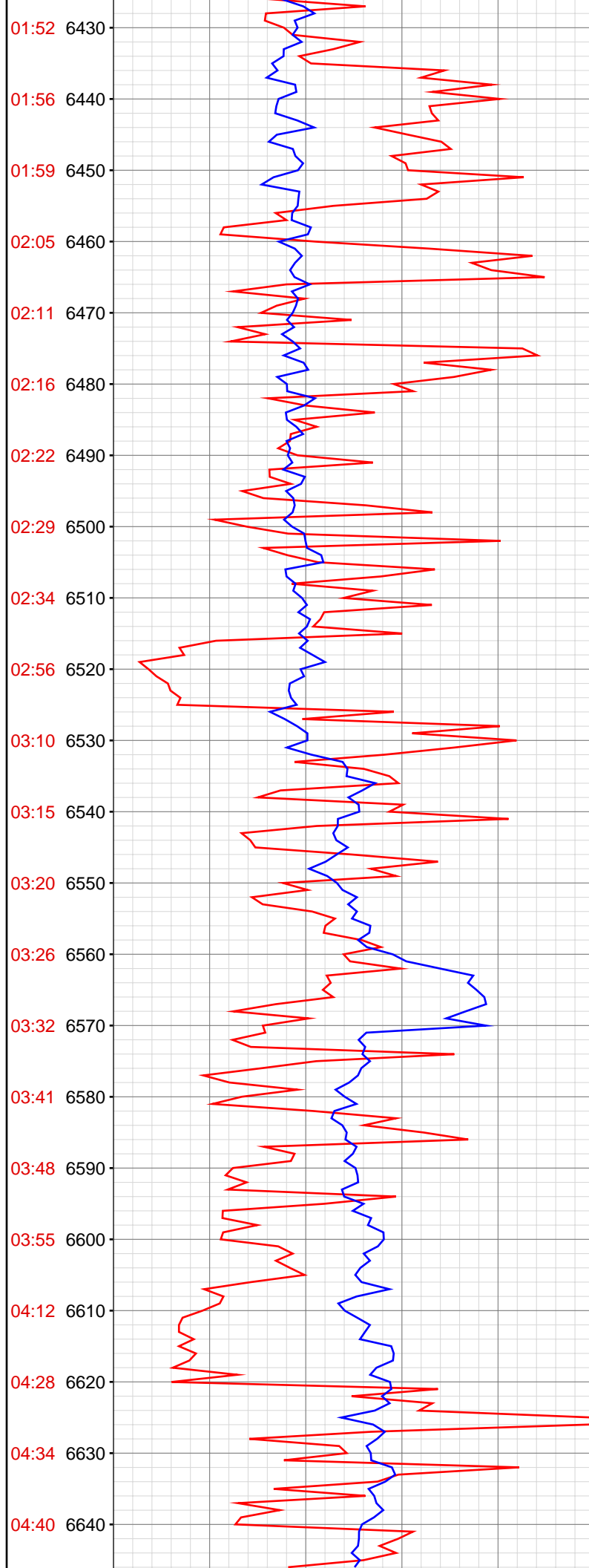
5966.83ft: ZDiffPressure from SideKick sk-11-11-1250  
5966.83ft: SURVEY 5913 18.0 INC 277.5 AZI  
5969.59ft: ZDiffPressure from SideKick sk-11-11-1250

5975.56ft: ZWOB from SideKick sk-11-11-1250

5979.43ft: Connection at 5968.2





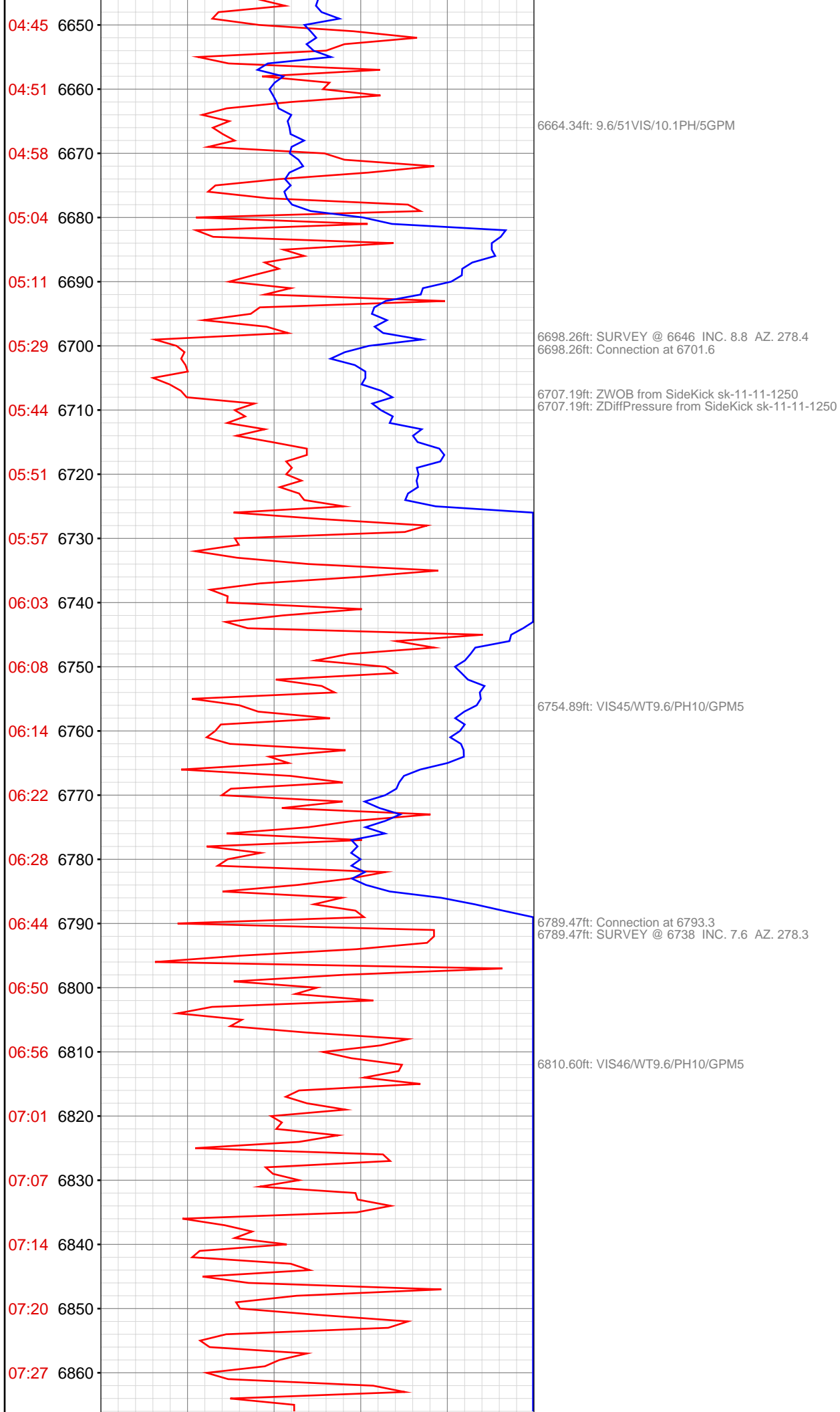


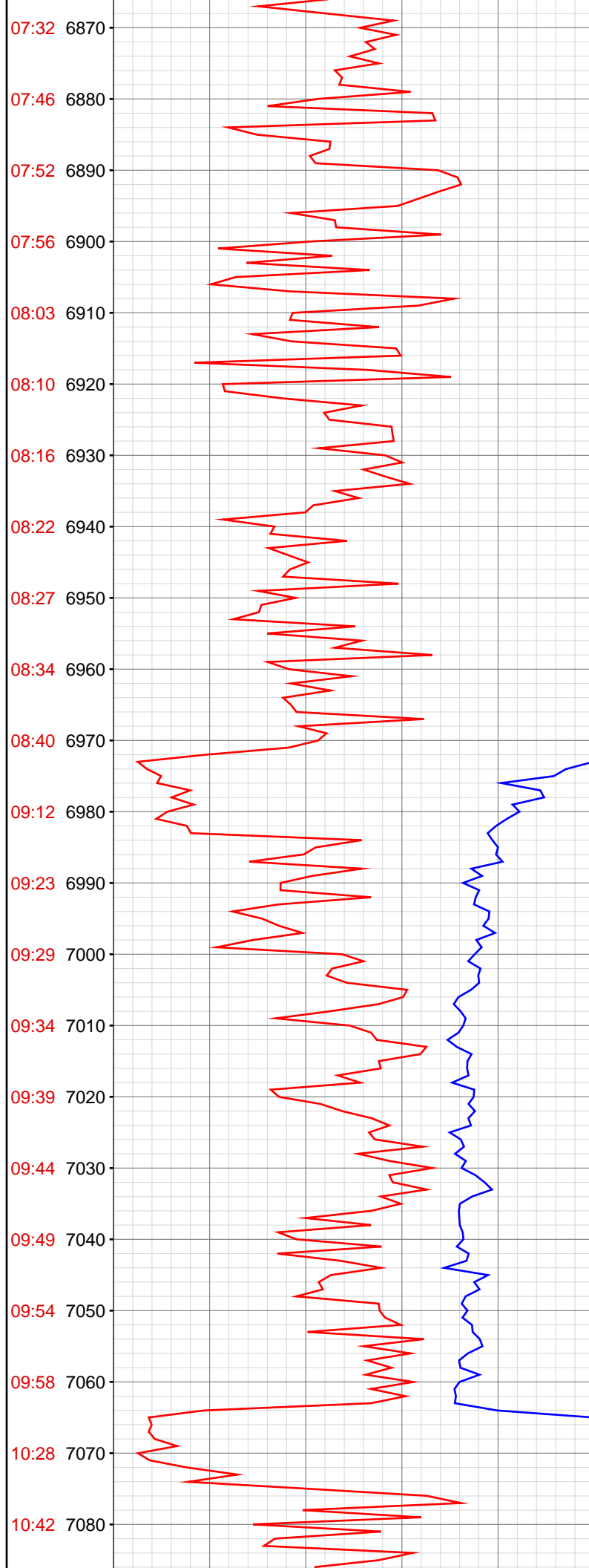
6436.81ft: 9.5/50VIS/10PH/10GPM

6515.29ft: Connection at 6518.4  
6515.29ft: ZDiffPressure from SideKick sk-11-11-1250  
6518.80ft: 9.5/48VIS/9.9PH/10GPM

6601.61ft: 9.55/53VIS/10.1PH/10GPM

6611.52ft: Connection at 6610.1





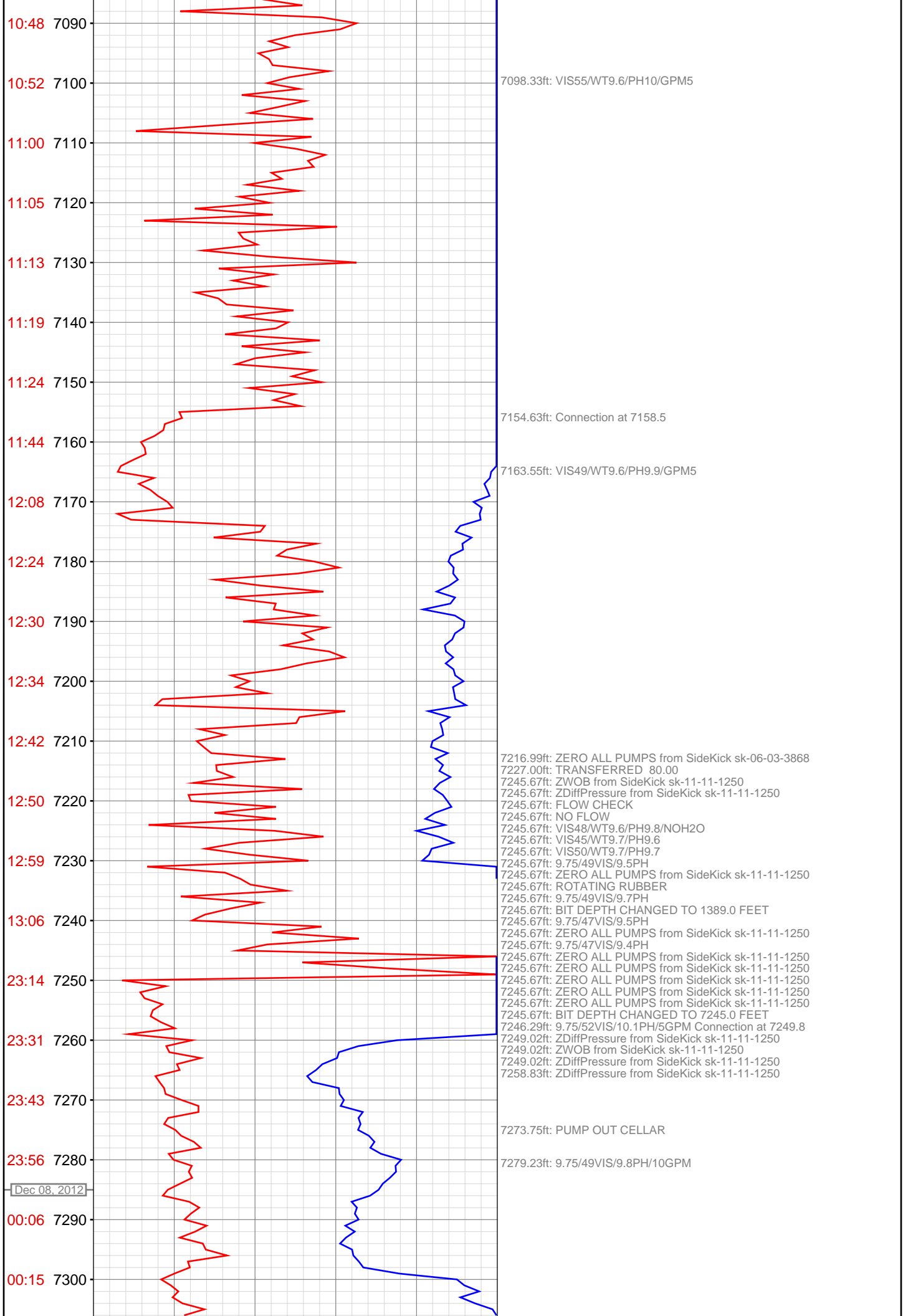
6880.51ft: SURVEY @ 6829 INC. 6.3 AZ. 278.2  
6880.51ft: Connection at 6884.4  
6880.51ft: ZDiffPressure from SideKick sk-11-11-1250  
6880.51ft: ZWOB from SideKick sk-11-11-1250

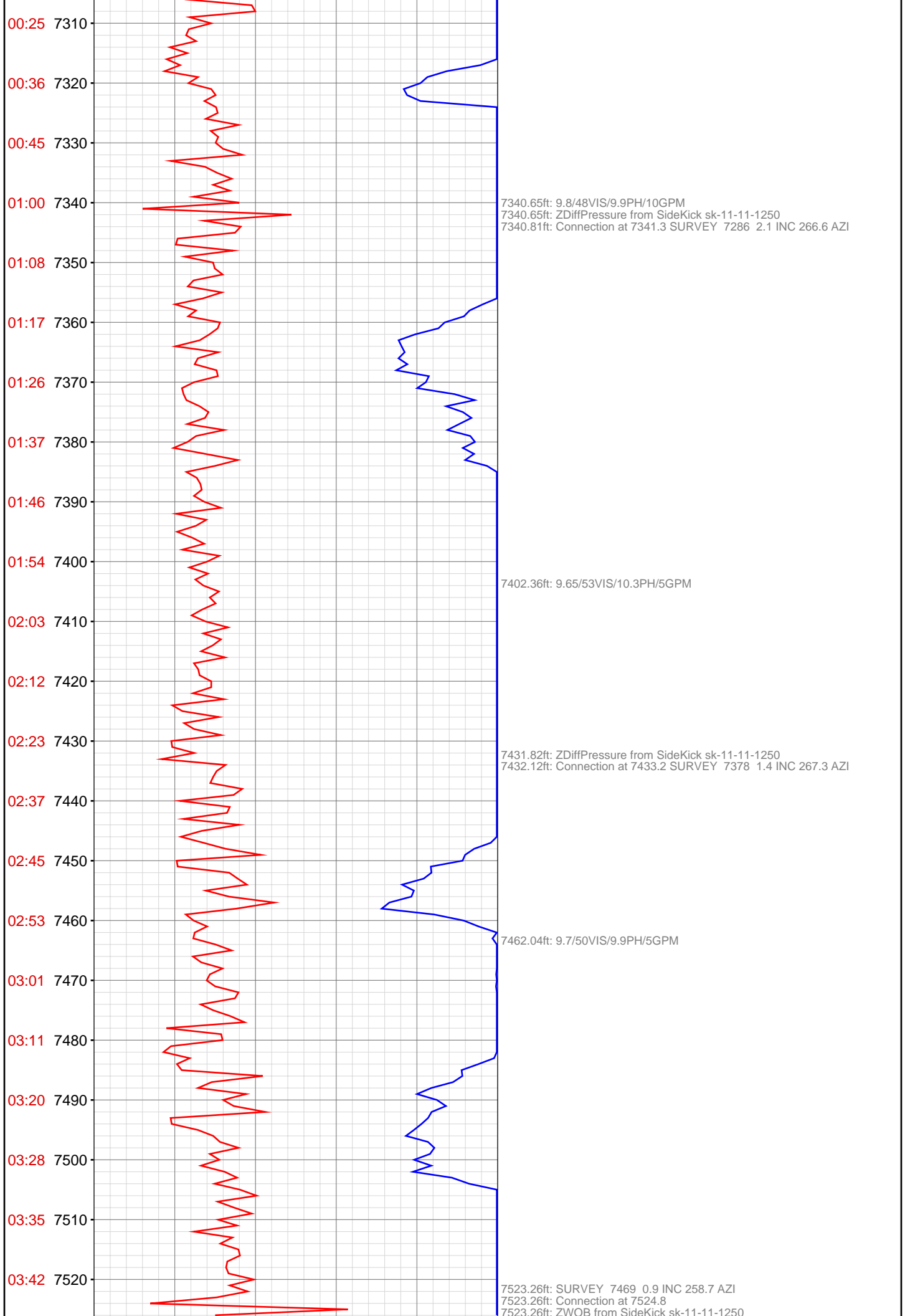
6900.39ft: VIS54/WT9.6/PH10.4/GPM5

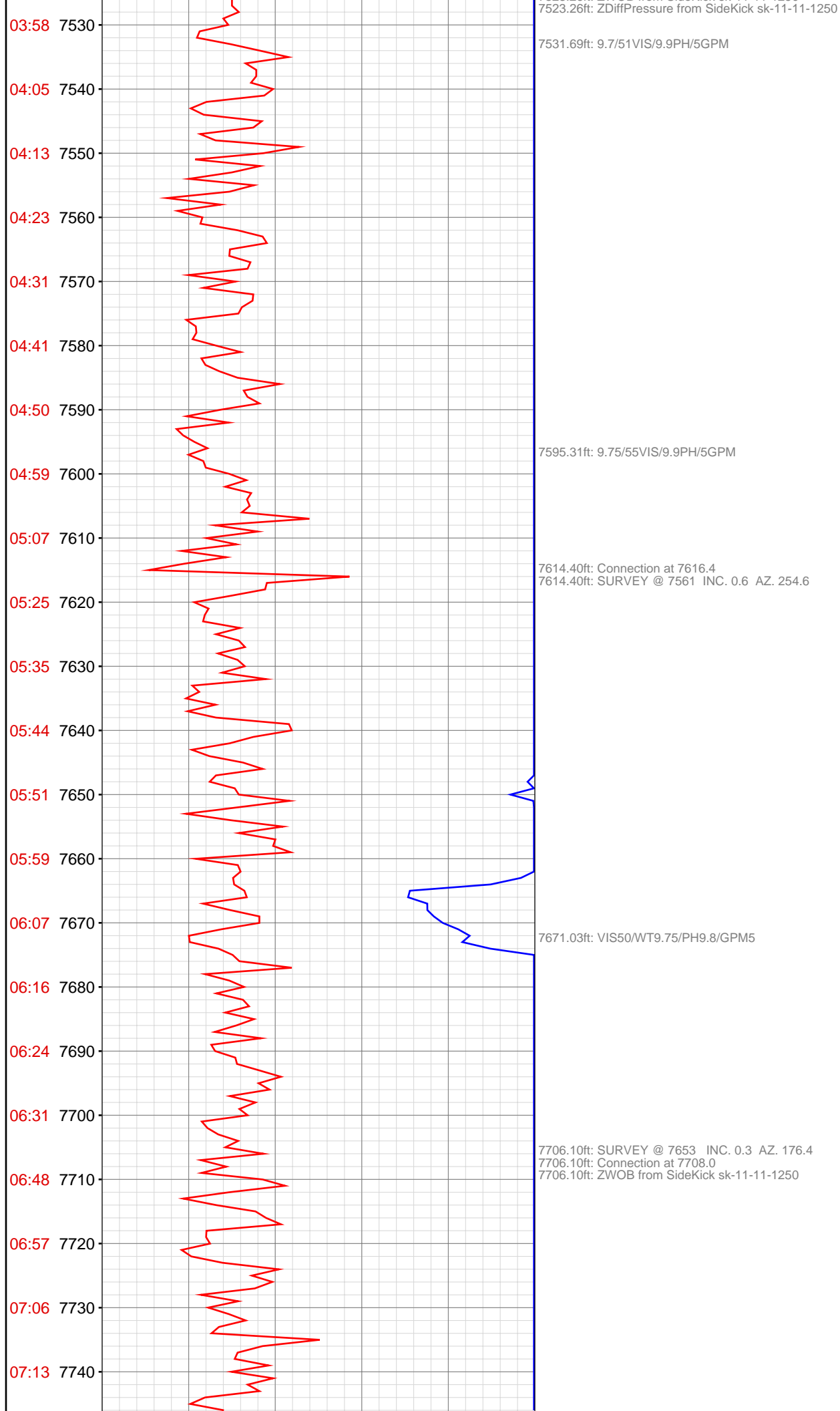
6971.88ft: Connection at 6884.4 Connection at 6975.8  
6972.97ft: VIS50/WT9.6/PH10.3/GPM5  
6973.29ft: SURVEY @ 6920 INC. 5.8 AZ. 280.4

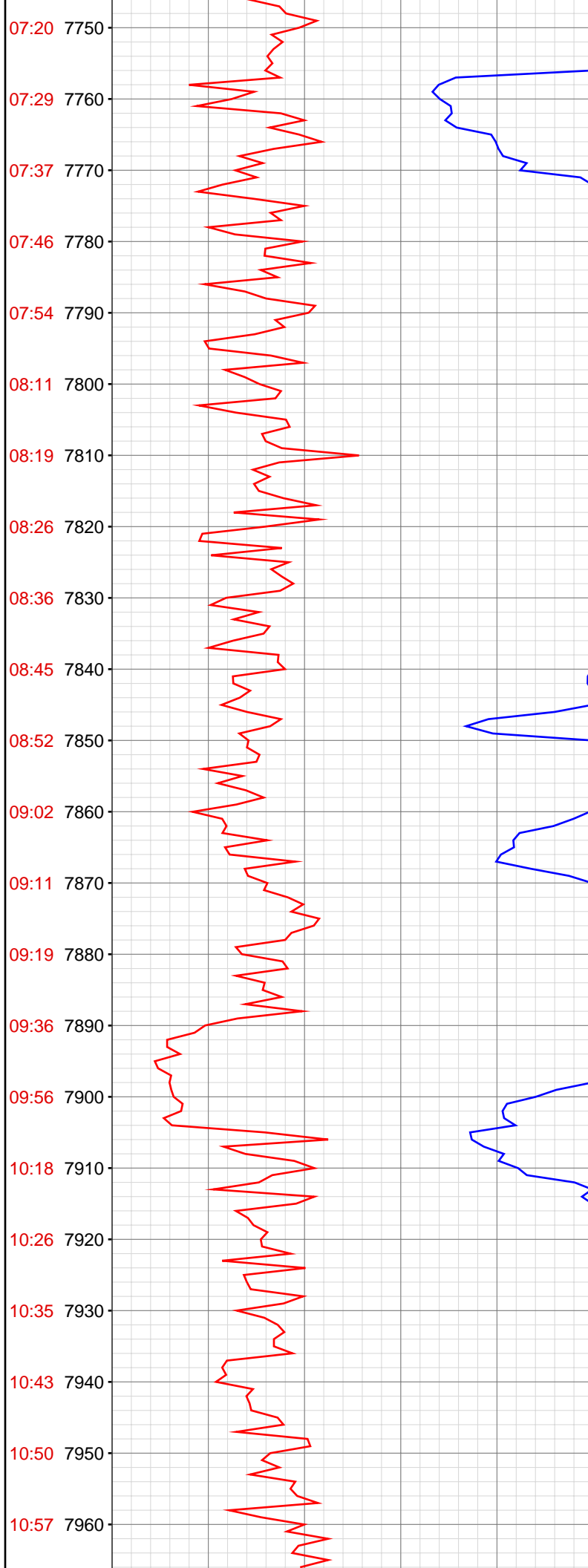
7063.39ft: Connection at 7067.1  
7065.52ft: VIS48/WT9.6/PH10.1/GPM5  
7067.09ft: SURVEY @ 7012 INC. 4.5 AZ. 274.7











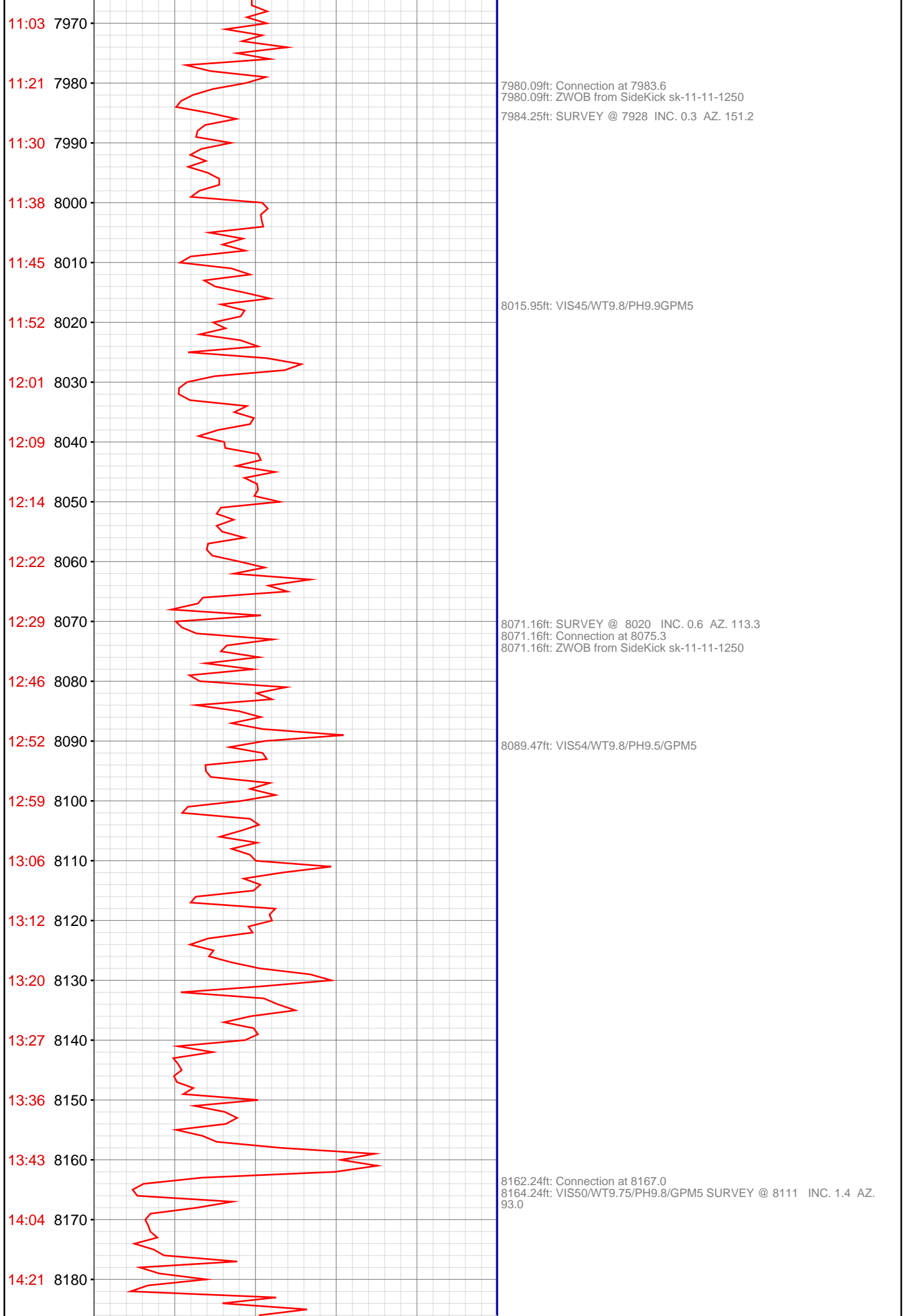
7797.28ft: VIS50/WT9.7/PH10.2/GPM5  
7797.28ft: SURVEY @ 7744 INC. 0.7 AZ. 87.6  
7797.28ft: ZWOB from SideKick sk-11-11-1250  
7797.28ft: ZDiffPressure from SideKick sk-11-11-1250  
7797.28ft: Connection at 7799.9

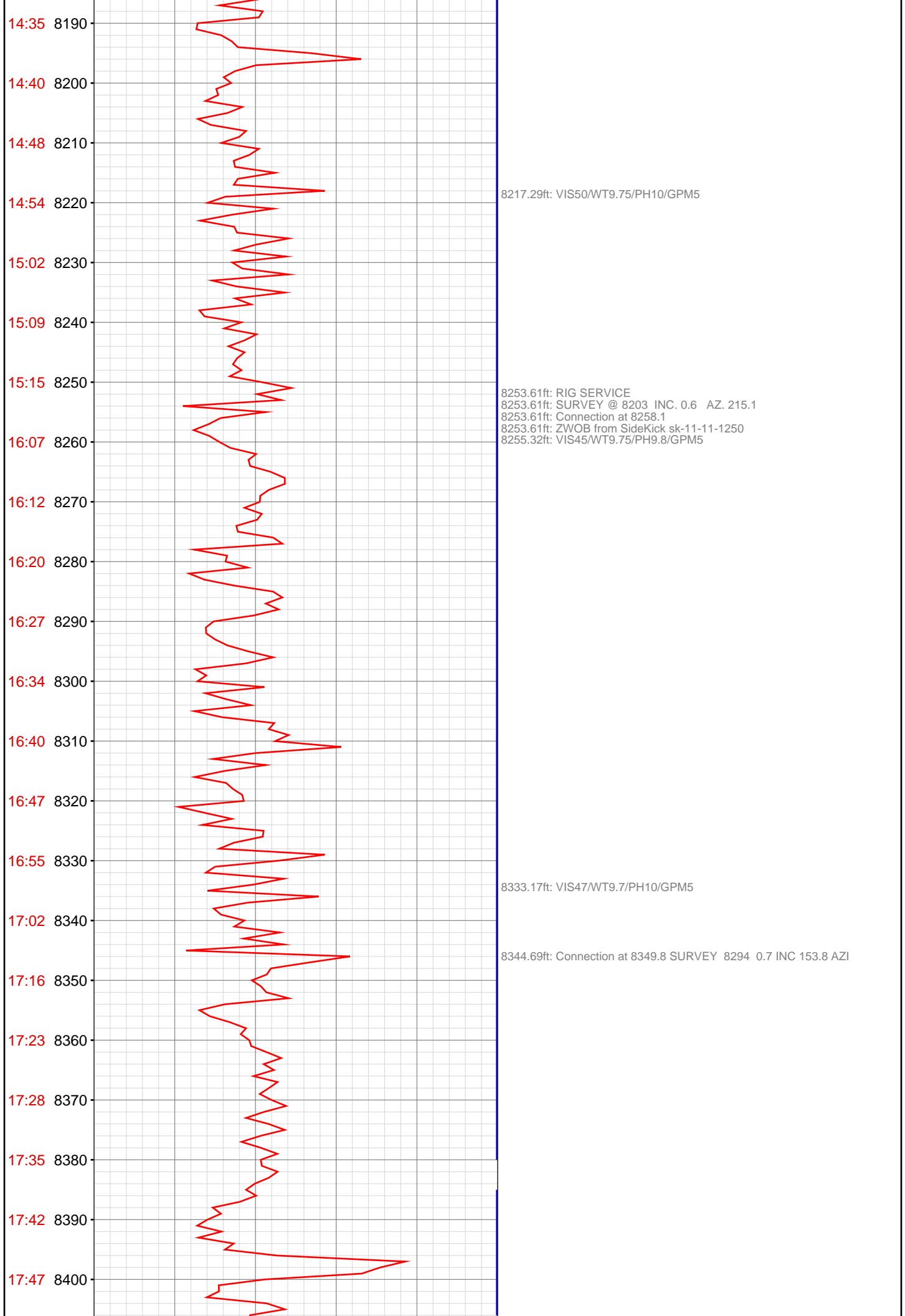
7850.13ft: VIS47/WT9.7/PH9.6/GPM5

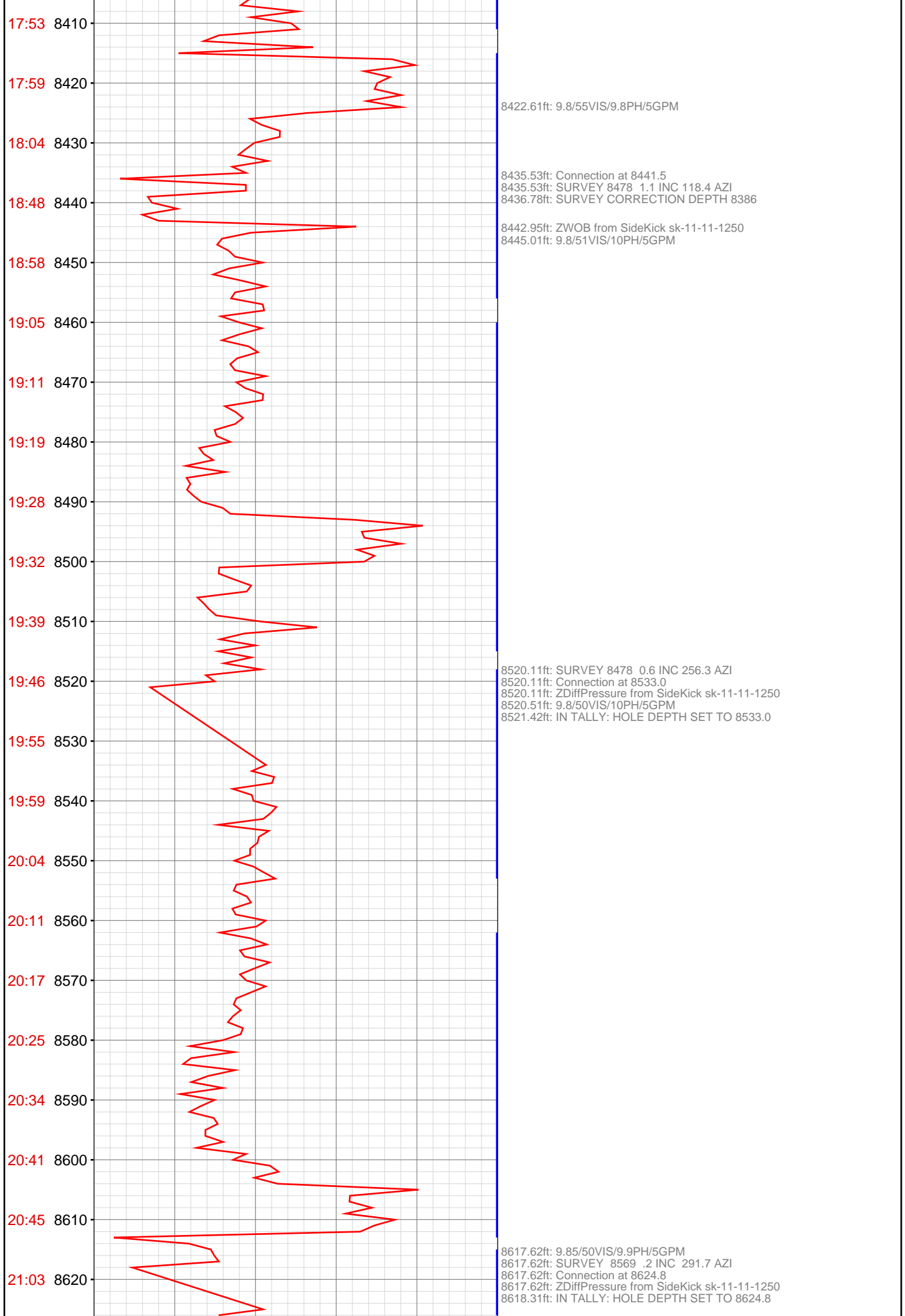
7890.19ft: SURVEY @ 7836 INC. 1.3 AZ. 80.6  
7891.50ft: Connection at 7891.7

7899.41ft: VIS47/WT9.7/PH10.1/GPM5

7958.01ft: VIS47/WT9.8/PH9.9/GPM5







21:08 8630  
21:12 8640  
21:16 8650  
21:22 8660  
21:28 8670  
21:36 8680  
21:42 8690  
21:49 8700  
21:58 8710  
22:16 8720  
22:24 8730  
22:31 8740  
22:37 8750  
22:45 8760  
22:53 8770  
23:02 8780  
23:11 8790  
23:16 8800  
23:29 8810  
23:33 8820  
23:42 8830  
23:51 8840

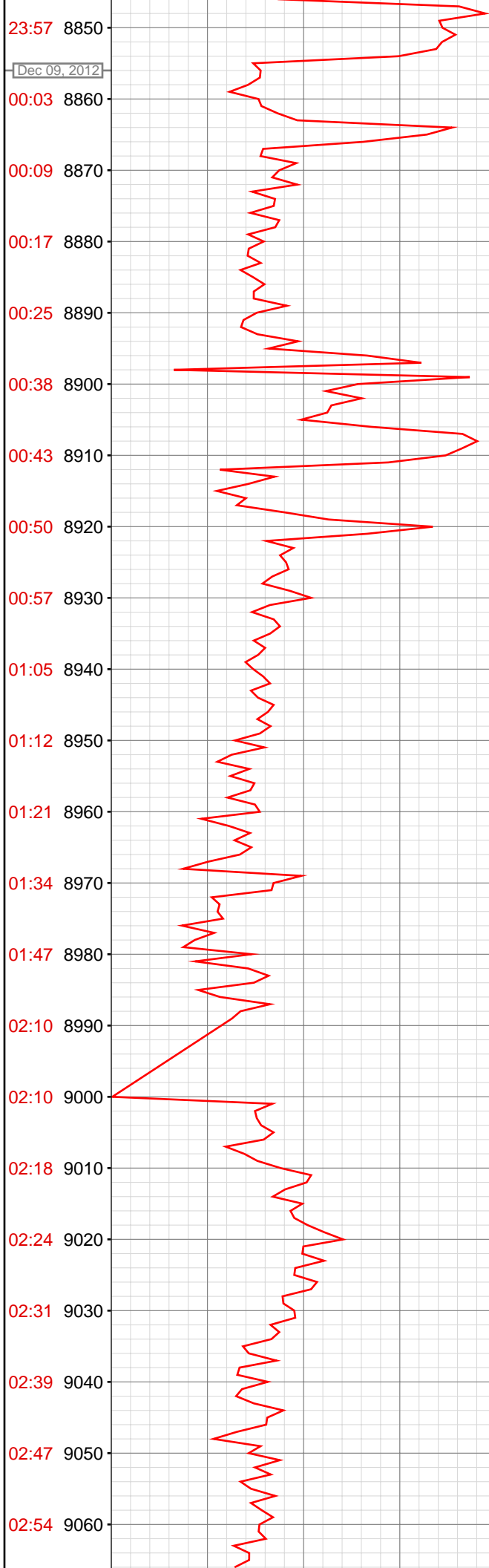
8709.55ft: 9.9/52VIS/10PH/5GPM  
8714.80ft: SURVEY 8661 .2 INC 42.7 AZI  
8714.80ft: ZDiffPressure from SideKick sk-11-11-1250  
8714.80ft: ZWOB from SideKick sk-11-11-1250  
8715.72ft: Connection at 8716.5

8772.77ft: 9.9/51VIS/10PH/5GPM

8806.07ft: ZDiffPressure from SideKick sk-11-11-1250  
8806.07ft: ZWOB from SideKick sk-11-11-1250  
8807.28ft: Connection at 8808.2 SURVEY 8753 .9 INC 48.2 AZI

8842.39ft: 9.9/50VIS/10.1PH/5GPM





8897.38ft: SURVEY 8844 1.9 INC 42.7 AZI  
8898.00ft: Connection at 8900.2

8928.02ft: 9.9/53VIS/10PH/5GPM

8989.01ft: 9.95/51VIS/10PH/5GPM  
8989.01ft: SURVEY 8936 2.7 INC 42.5 AZI  
8989.01ft: Connection at 8992.0  
8989.01ft: BIT DEPTH CHANGED TO 9000.0 FEET

9026.97ft: FILL TRIP TANK

9058.89ft: 9.95/49VIS/10PH/5GPM  
9082.81ft: SURVEY 9027 2.2 INC 50.2 AZI  
9082.81ft: ZDiffPressure from SideKick sk-11-11-1250  
9083.76ft: Connection at 9083.2  
9084.38ft: IN TALLY: HOLE DEPTH SET TO 9083.2  
9119.29ft: 9.95/50VIS/10.1PH/5GPM  
9119.29ft: ZDiffPressure from SideKick sk-11-11-1250  
9119.29ft: ZWOB from SideKick sk-11-11-1250  
9119.29ft: SURVEY 9063 2.1 INC 59.1 AZI  
9119.29ft: 9.95/49VIS/10PH/0GPM  
9119.29ft: FLOW CHECK  
9119.29ft: ZERO ALL PUMPS from SideKick sk-11-11-1250  
9119.29ft: ZDiffPressure from SideKick sk-11-11-1250  
9119.29ft: PUMP SWEEP  
9119.29ft: ZDiffPressure from SideKick sk-11-11-1250  
9119.29ft: PUMP SWEEP  
9119.29ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

