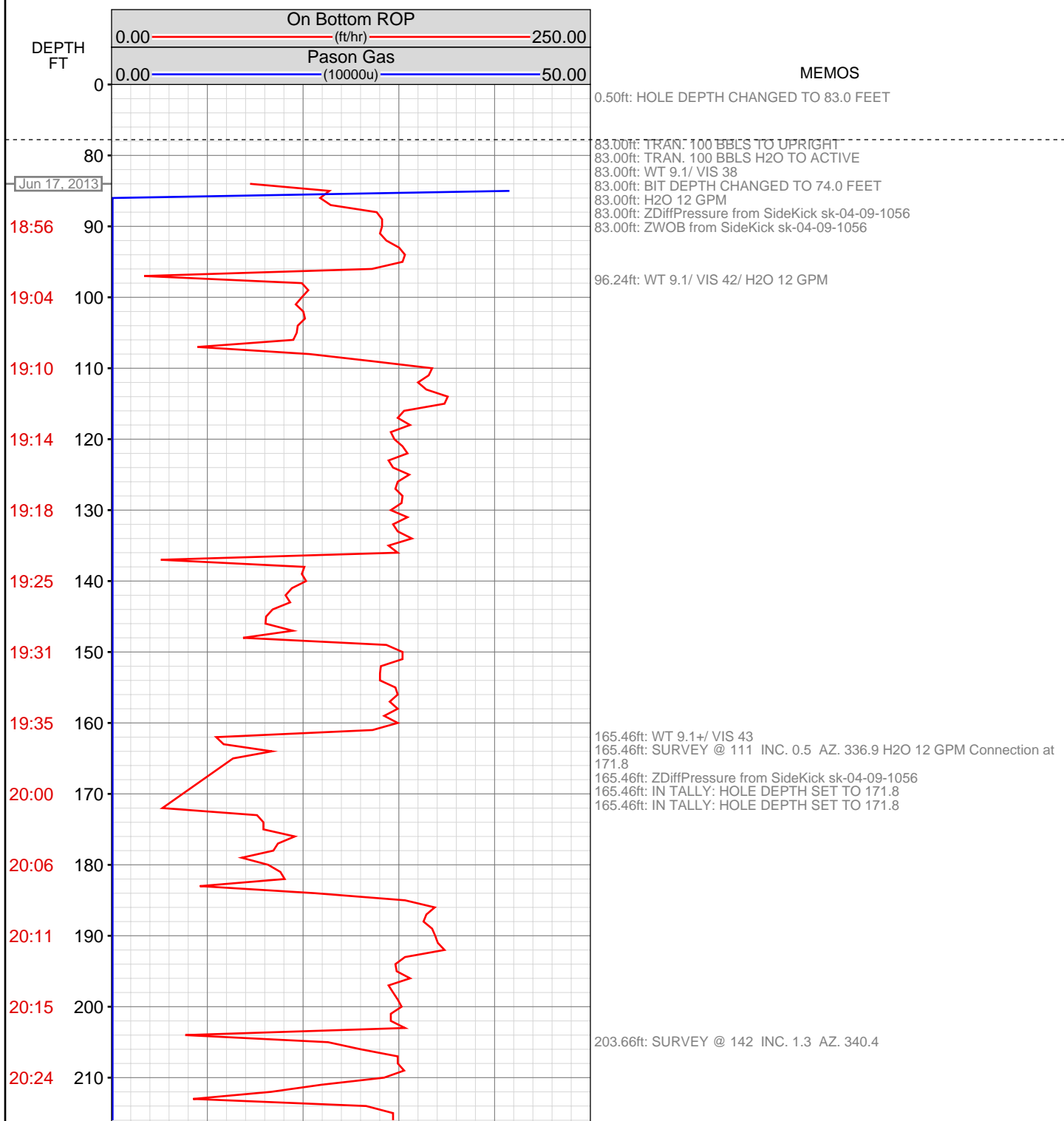
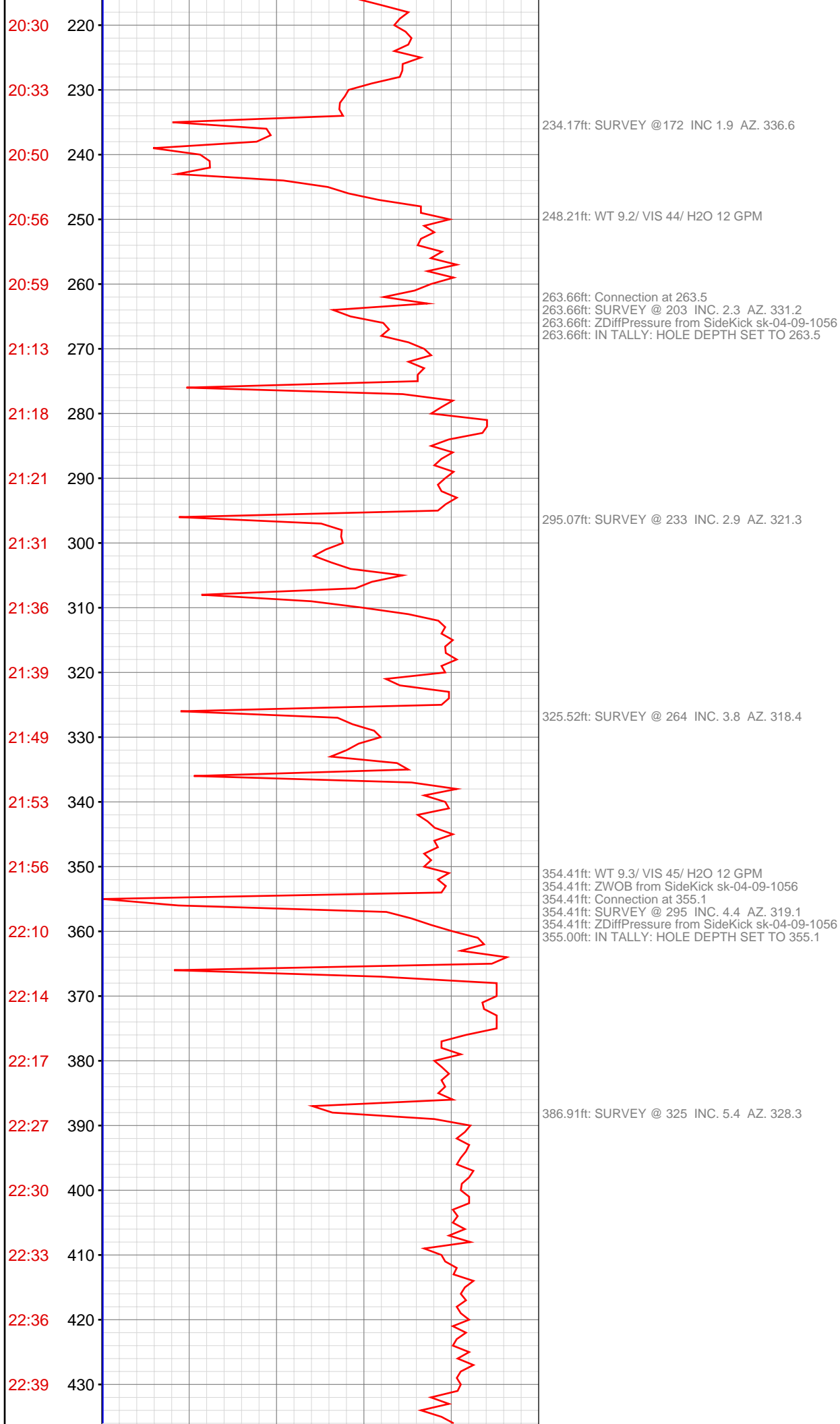
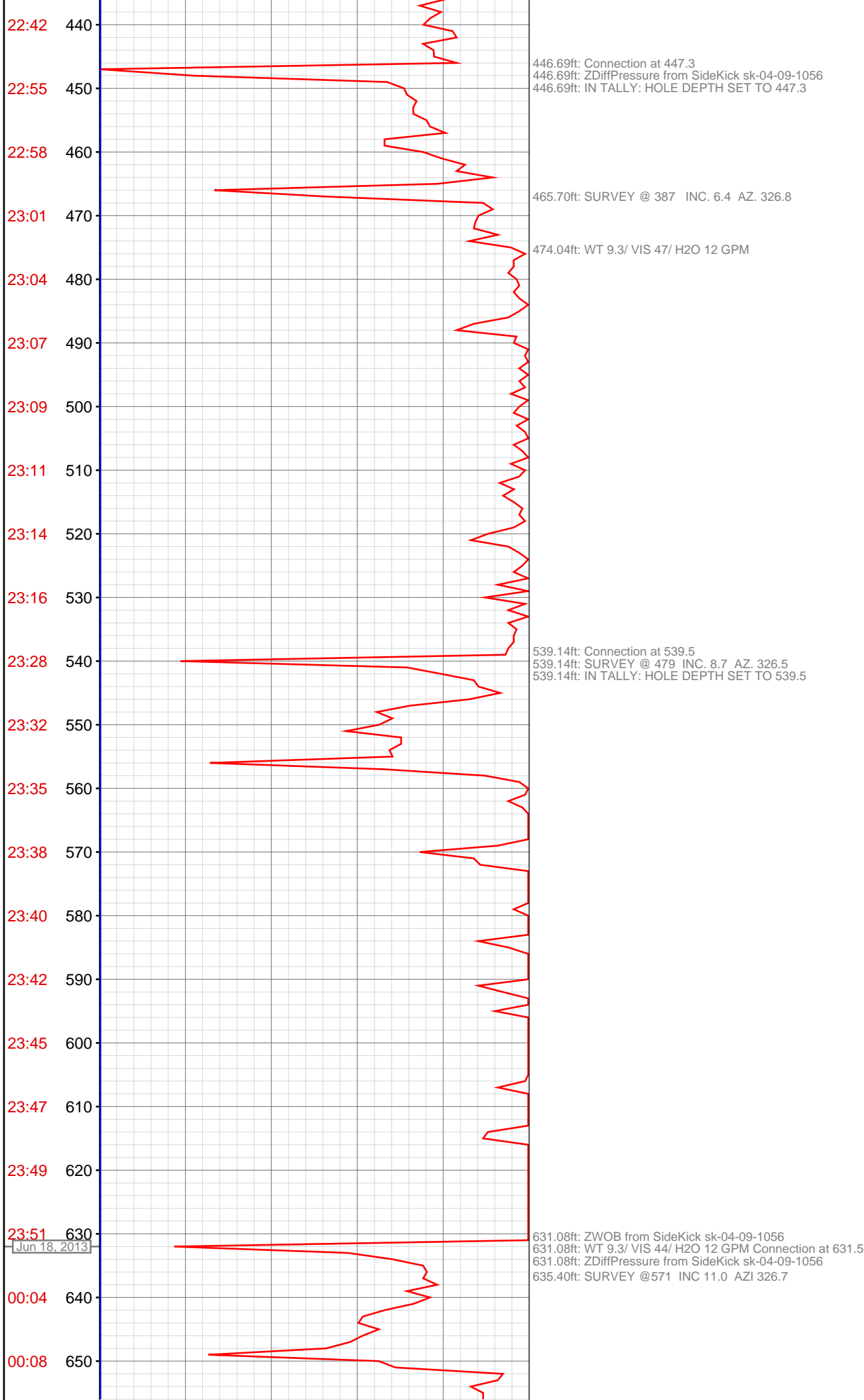


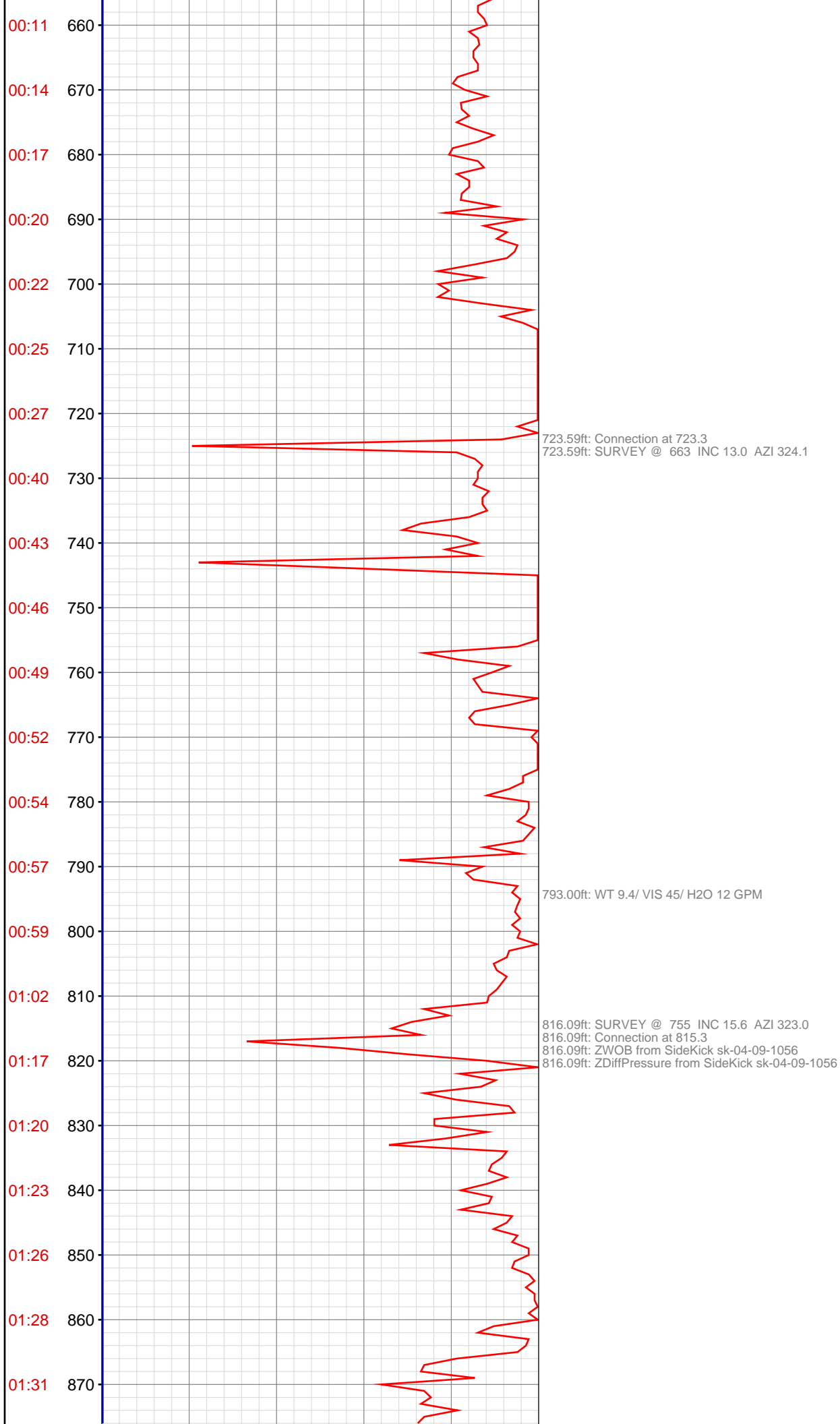
**OPERATOR:** EnCana Oil & Gas (USA), Inc.  
**WELL:** Hagen 15-13D  
**FIELD:**  
**LOCATION:** NE NW SEC 22, T007S, R95W6  
**COUNTRY:** USA  
**RIG:** Pat-UTI 303

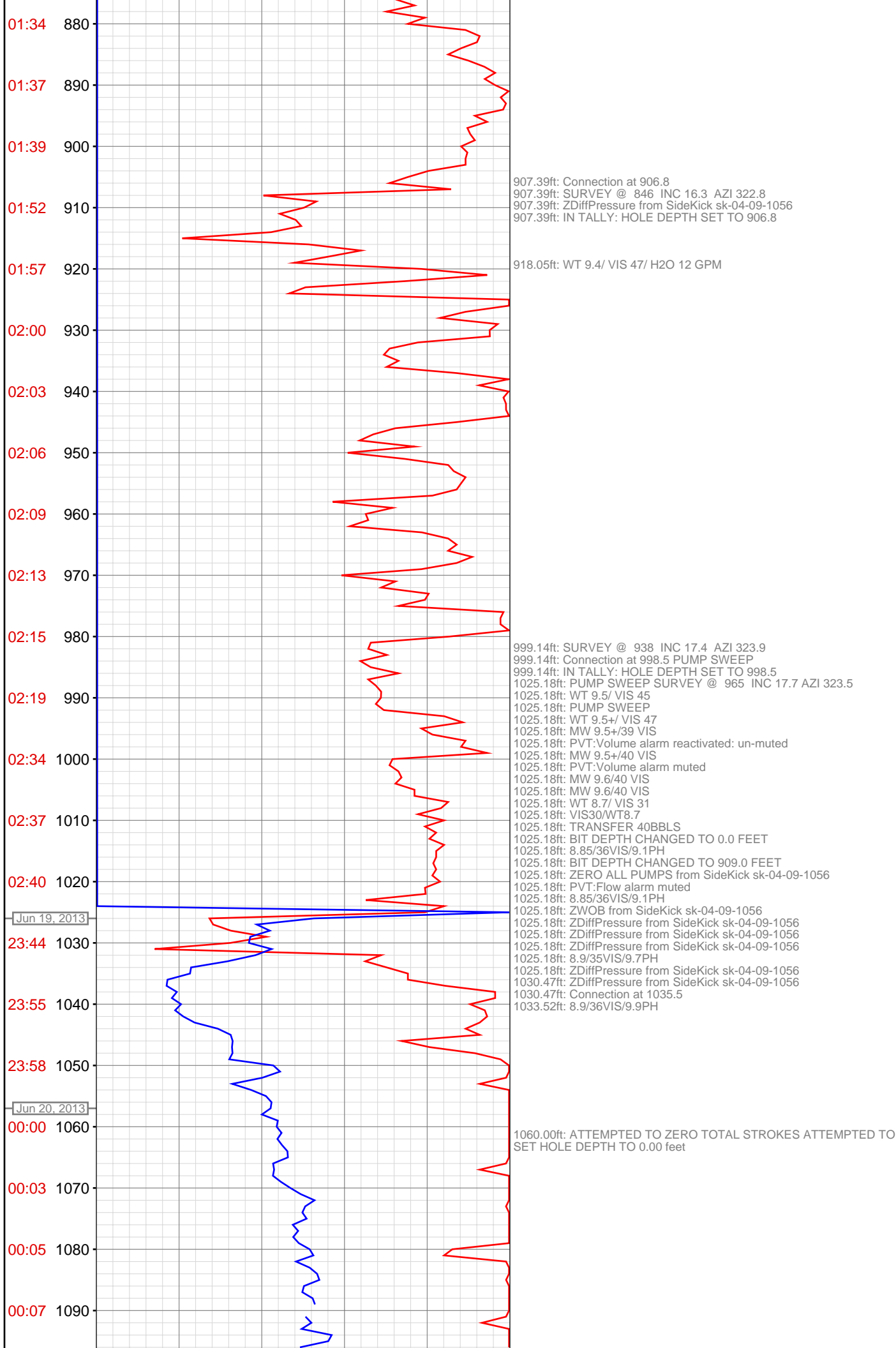
**CONTRACTOR:** Patterson-UTI Drilling Company  
**UNIQUE WELL ID:** 05-045-22018  
**SPUD DATE:** Jun 17, 2013 19:00  
**RELEASE DATE:** Jun 23, 2013 21:00

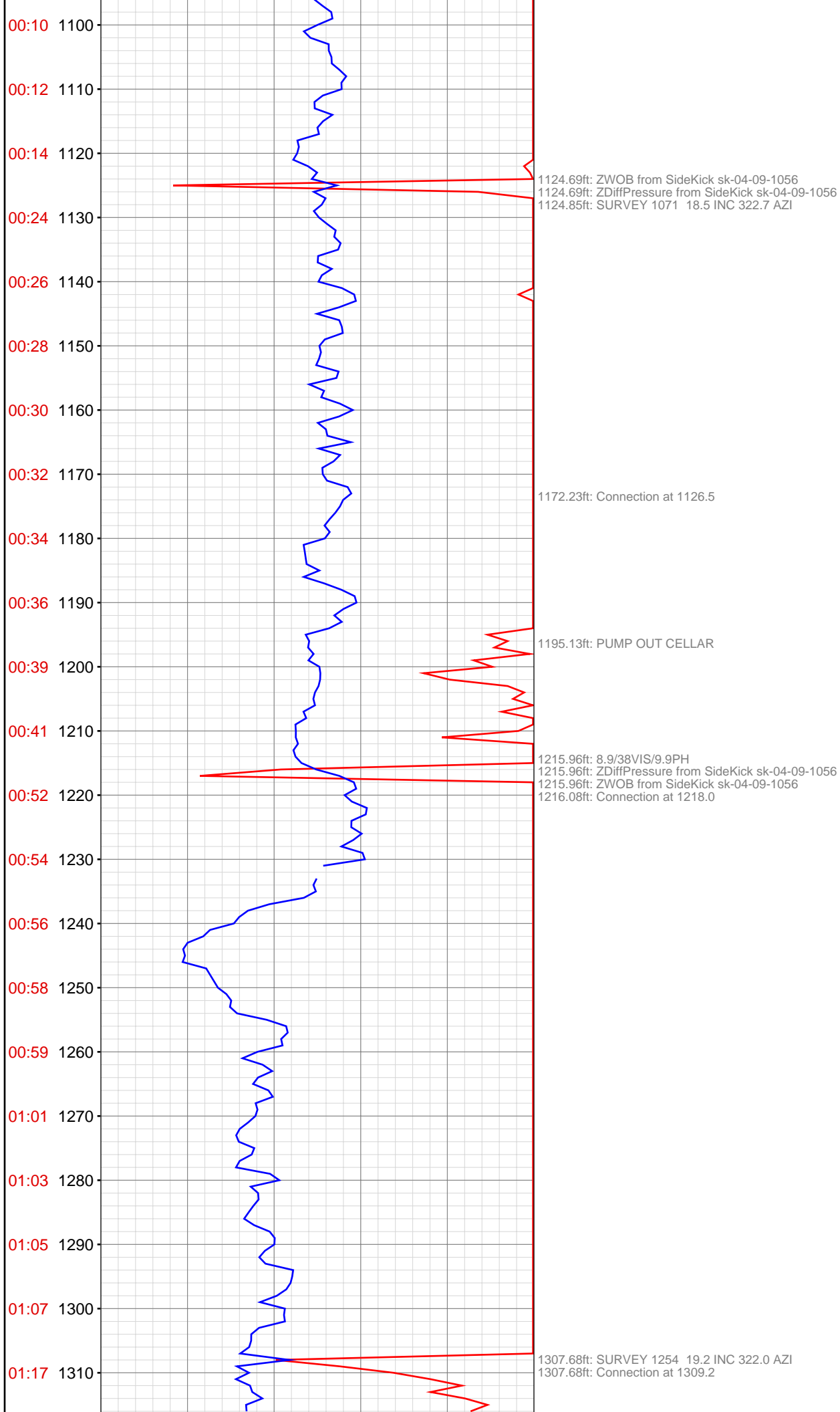


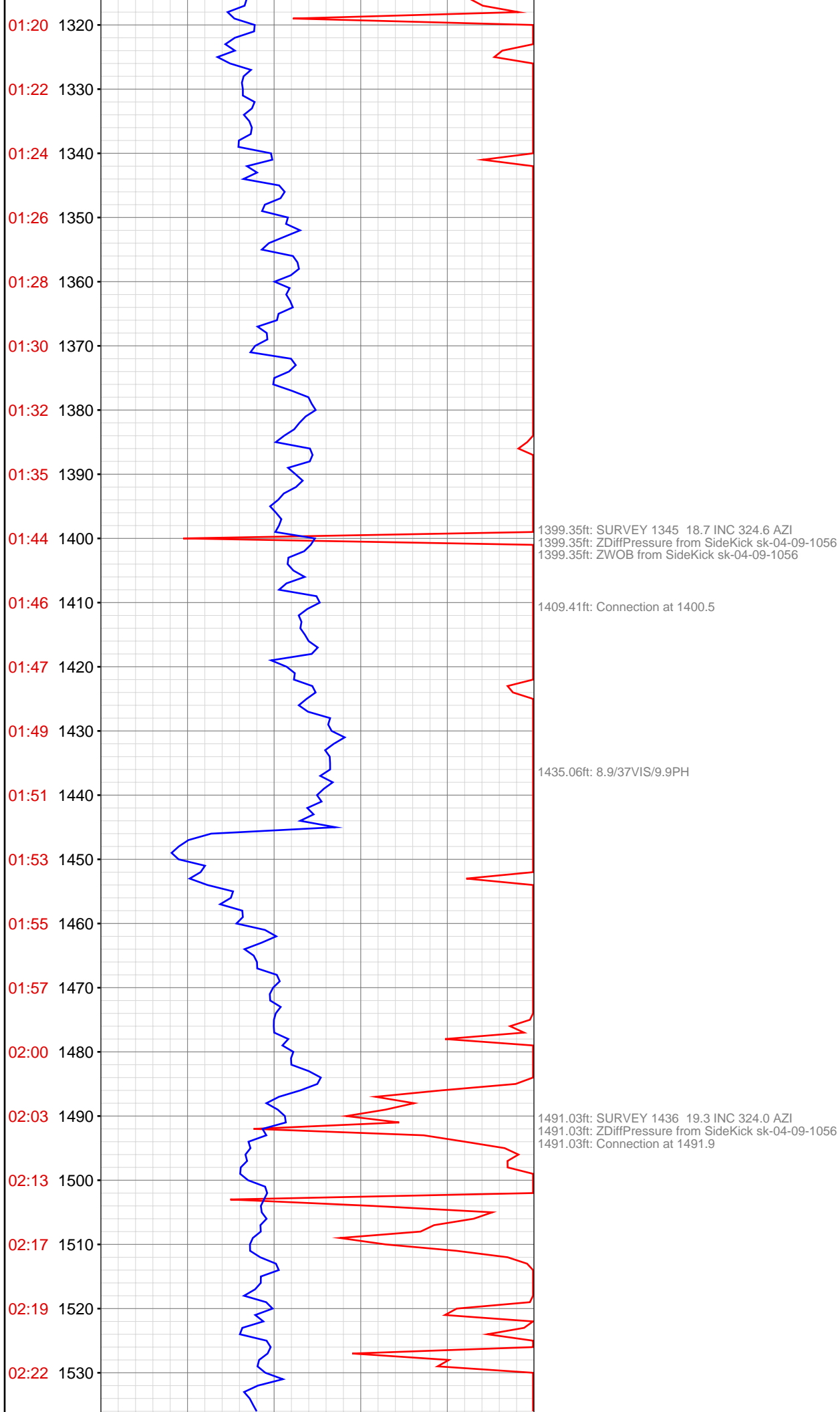


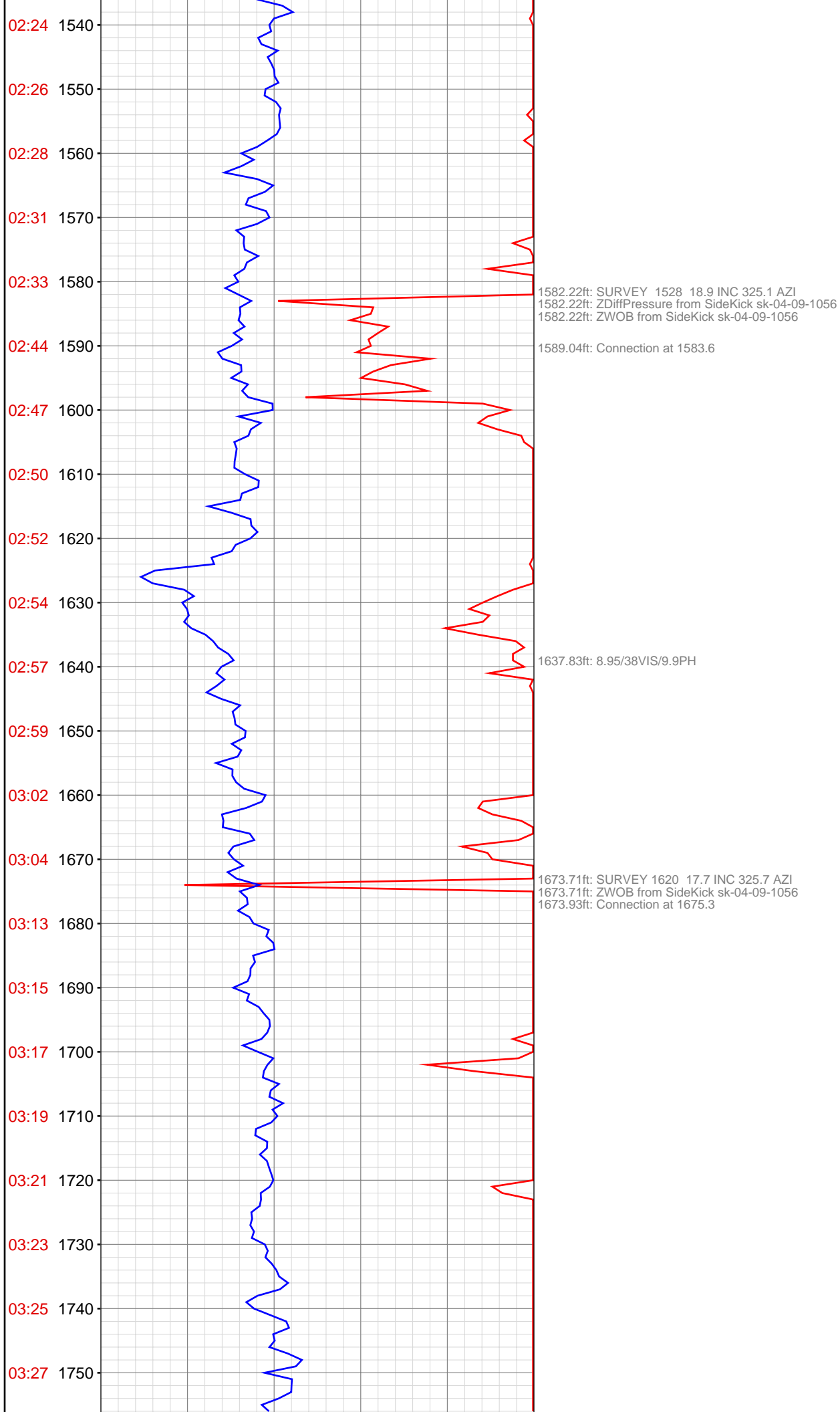




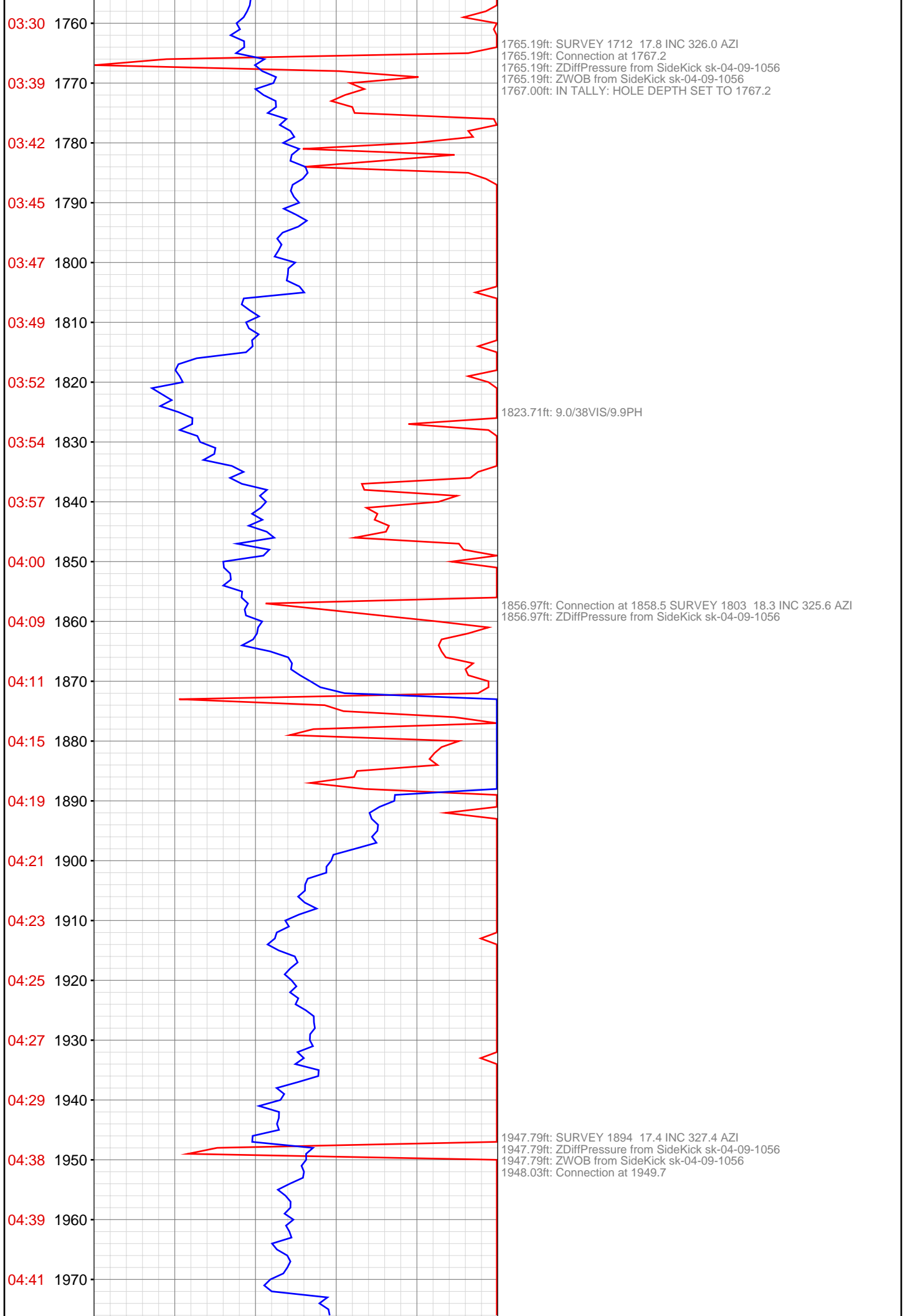


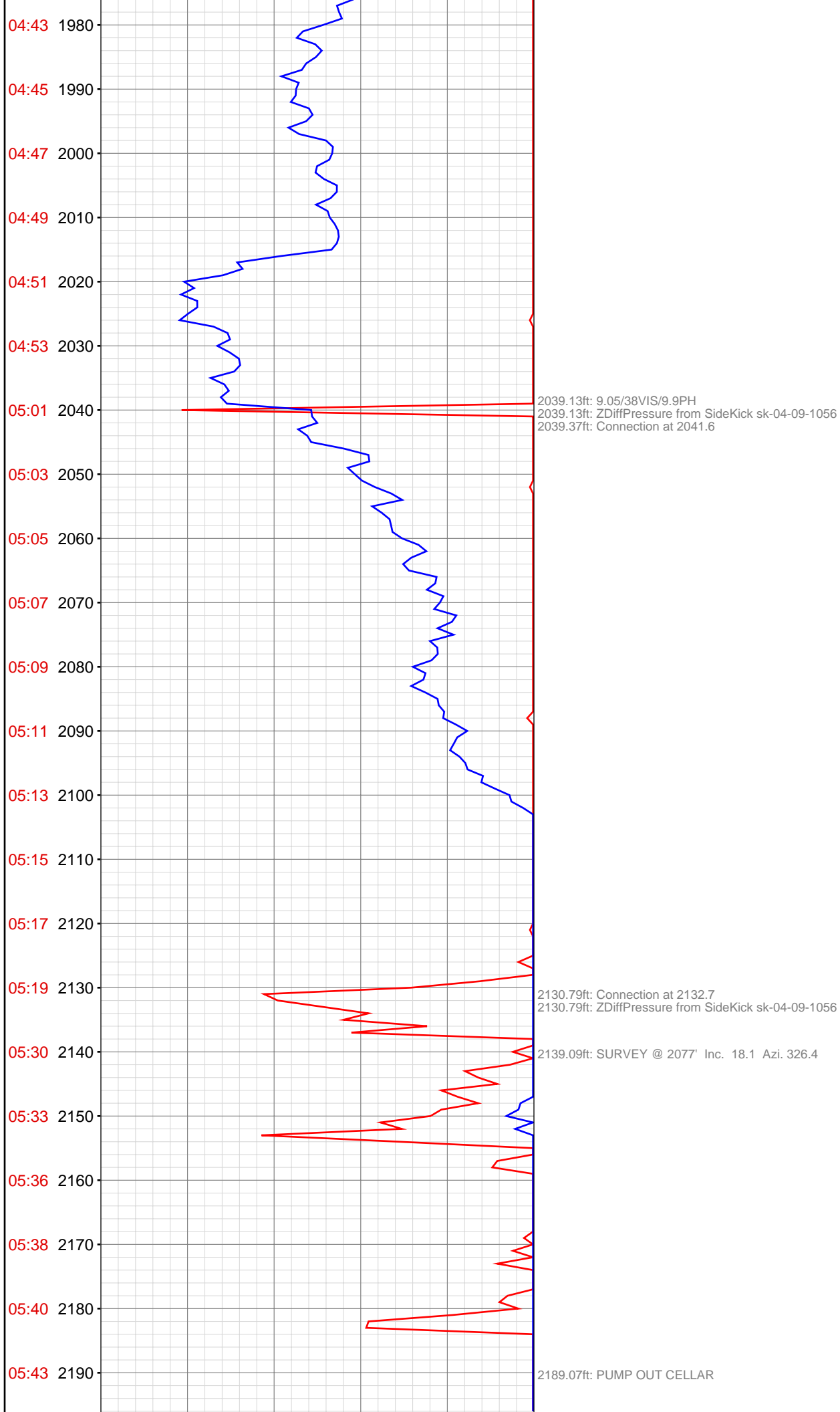


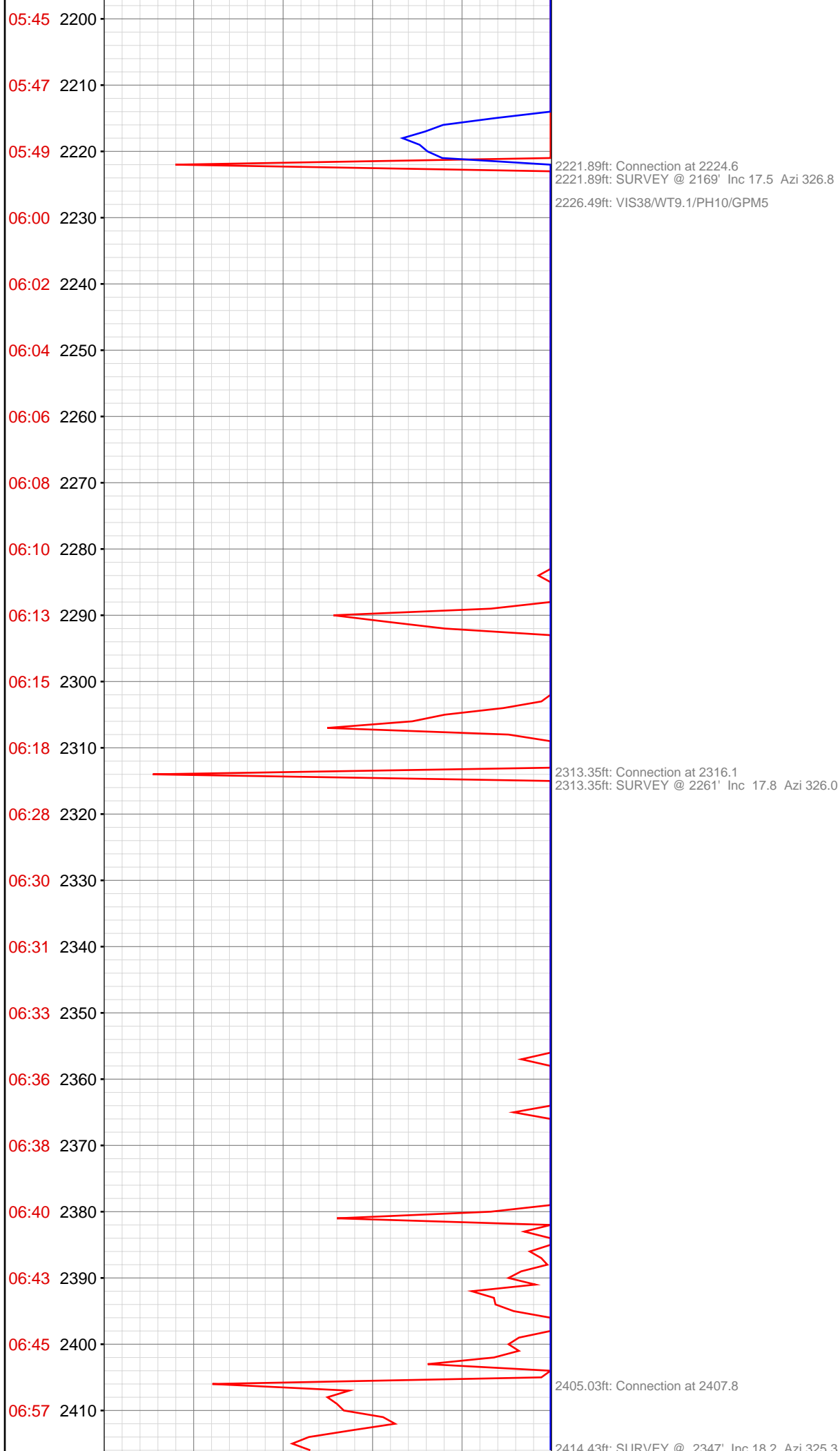








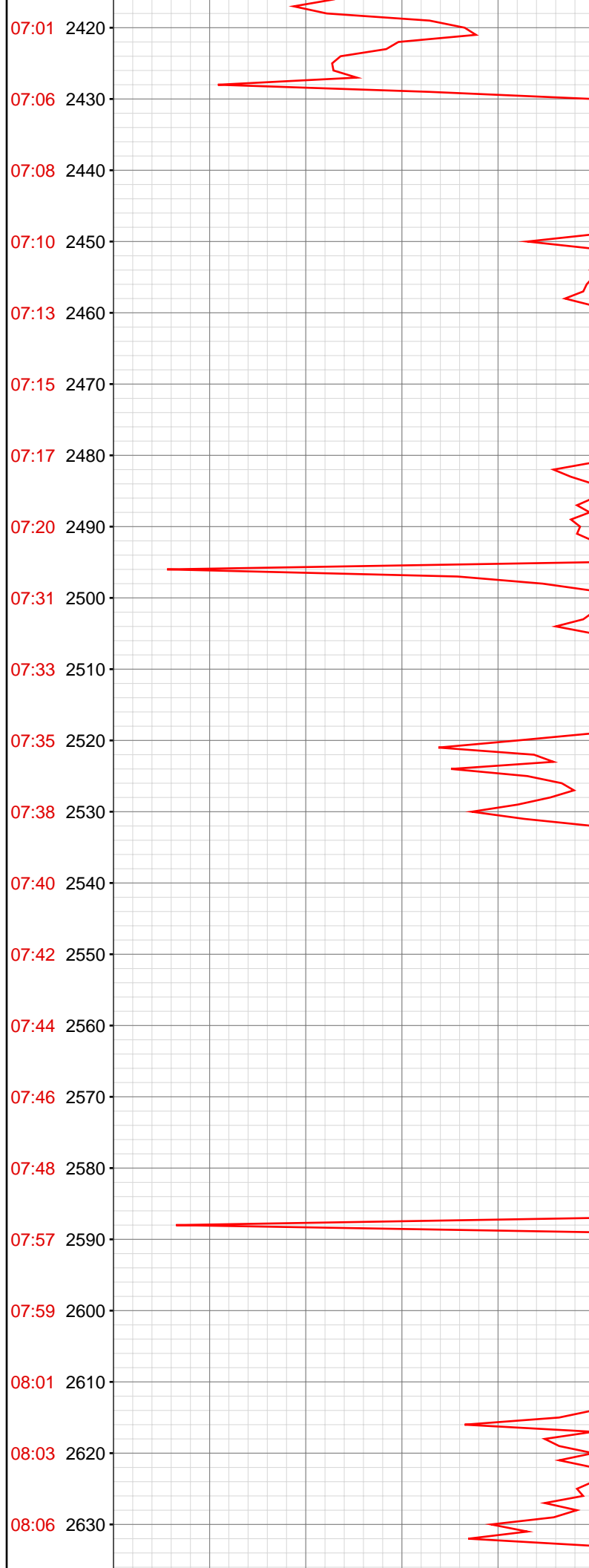


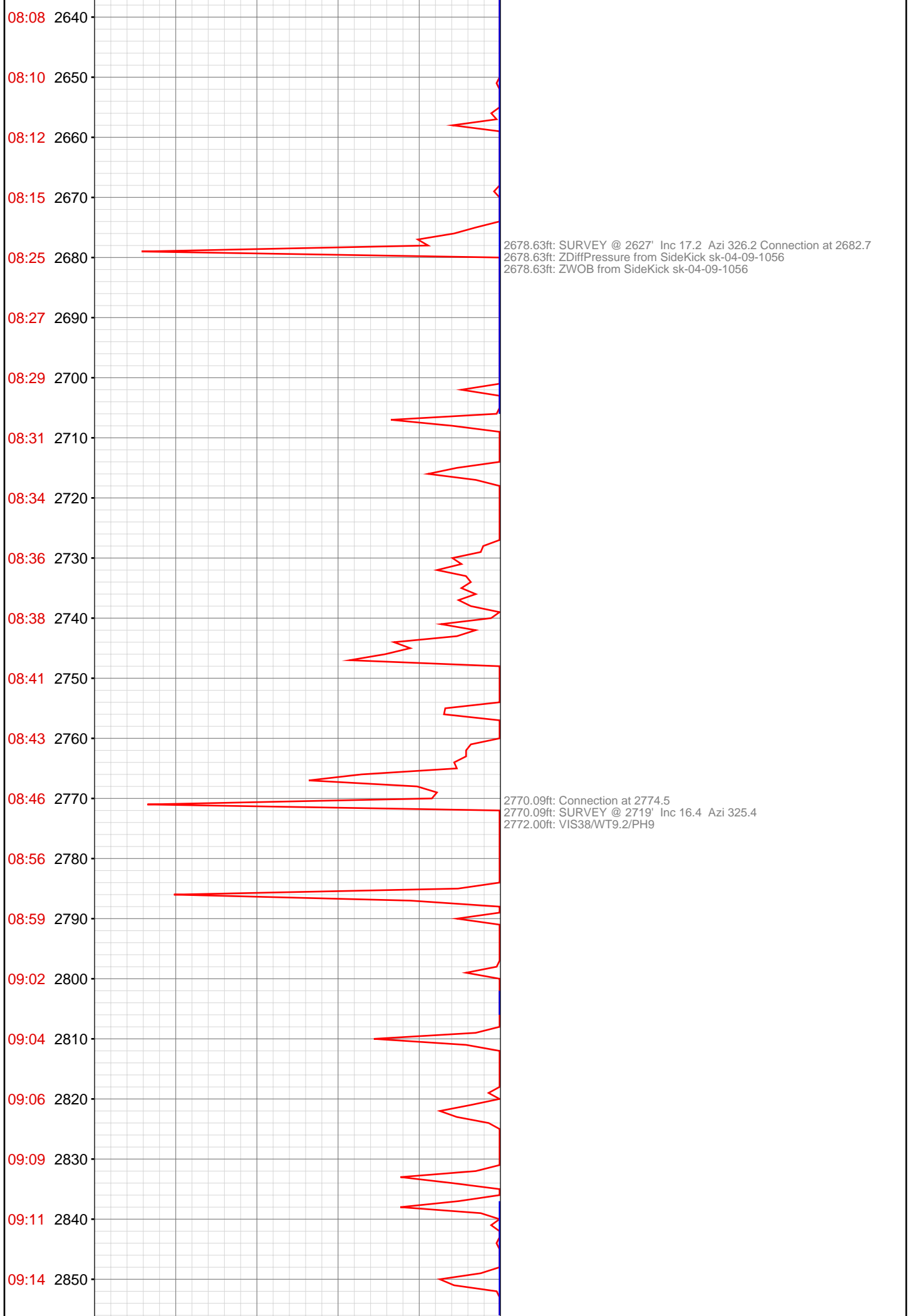


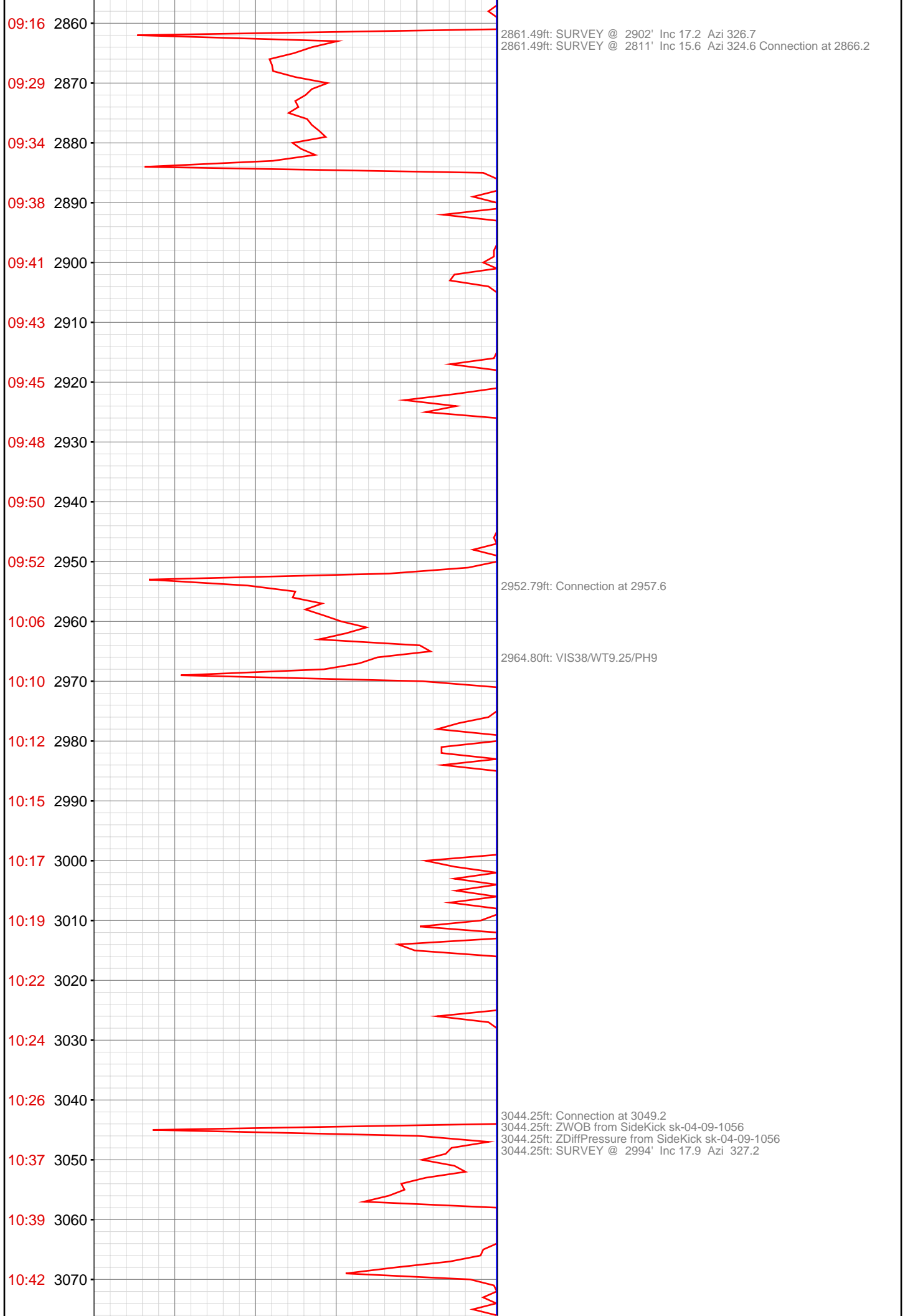
2417.87ft: SURVEY @ 2352' Inc 18.2 Azi 325.3  
2417.87ft: VIS39/WT9.15/PH9.9/GPM6 SURVEY Correction @ 2352' Inc 18.2 Azi 325.3

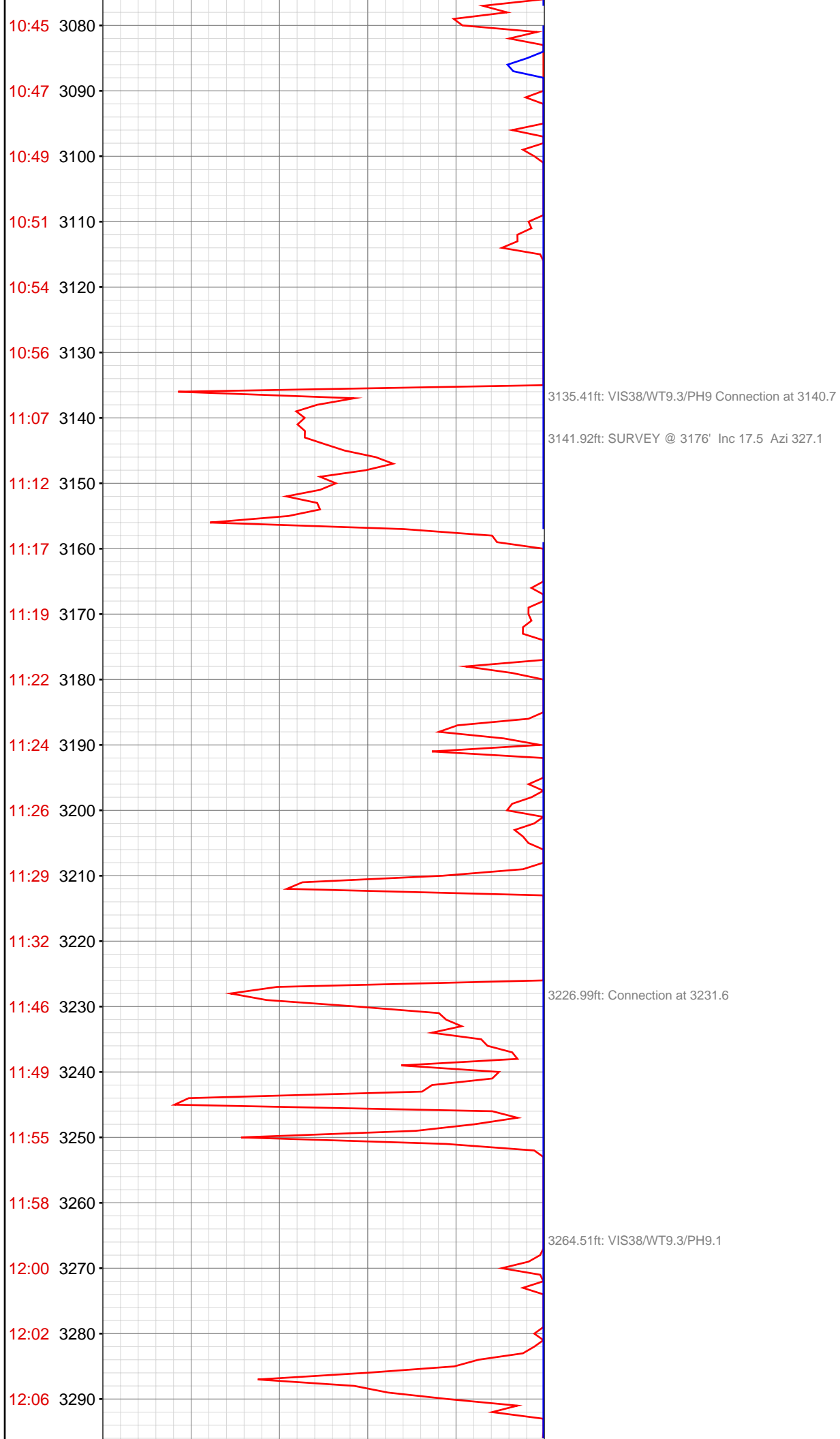
2495.97ft: SURVEY @ 2444' Inc 16.7 Azi 325.8 Connection at 2499.5  
2495.97ft: ZWOB from SideKick sk-04-09-1056

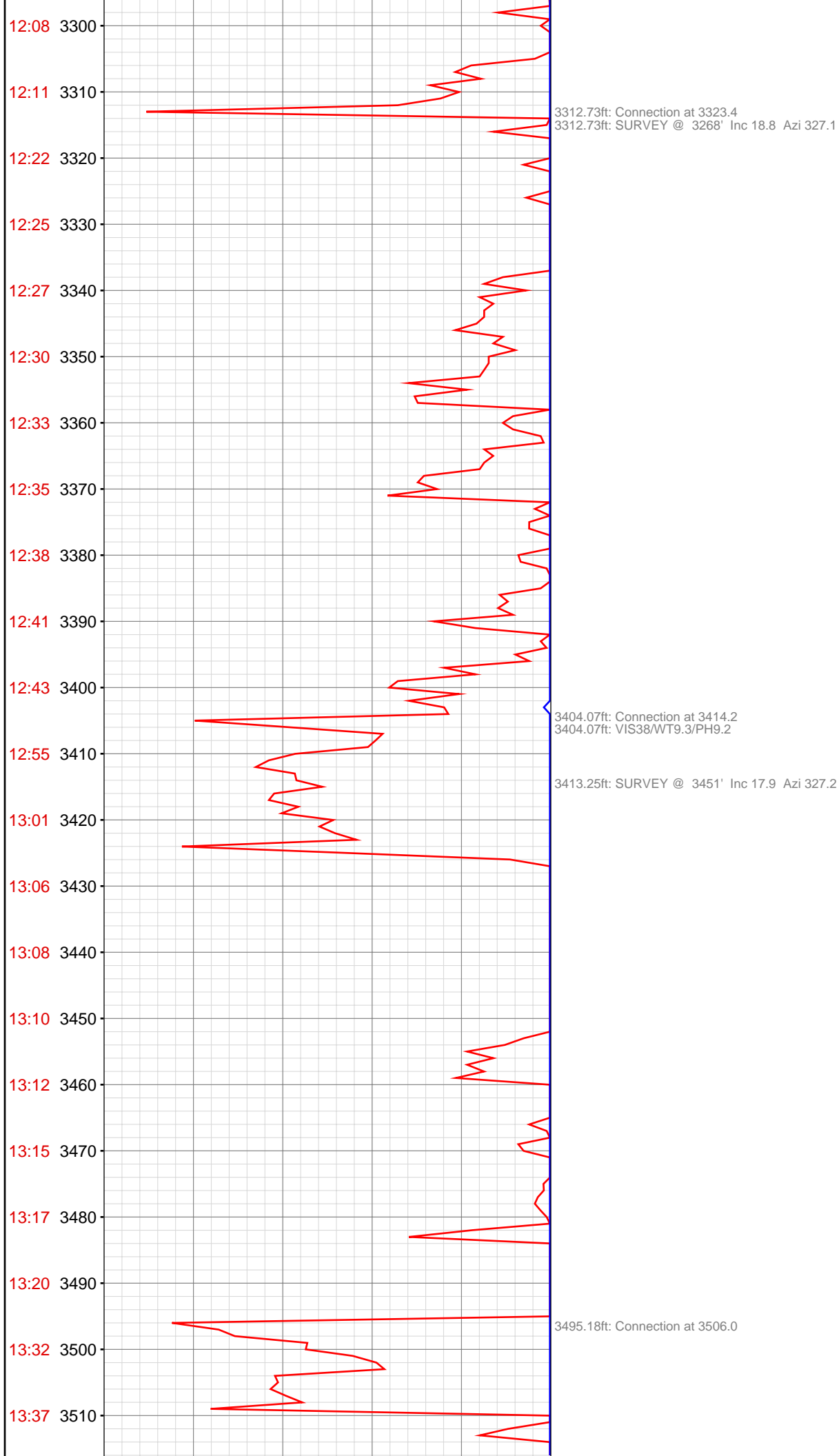
2587.45ft: SURVEY @ 2535' Inc 17.0 Azi 326.5  
2587.45ft: Connection at 2591.0  
2587.45ft: VIS38/WT9.15/PH9.3/GPM6



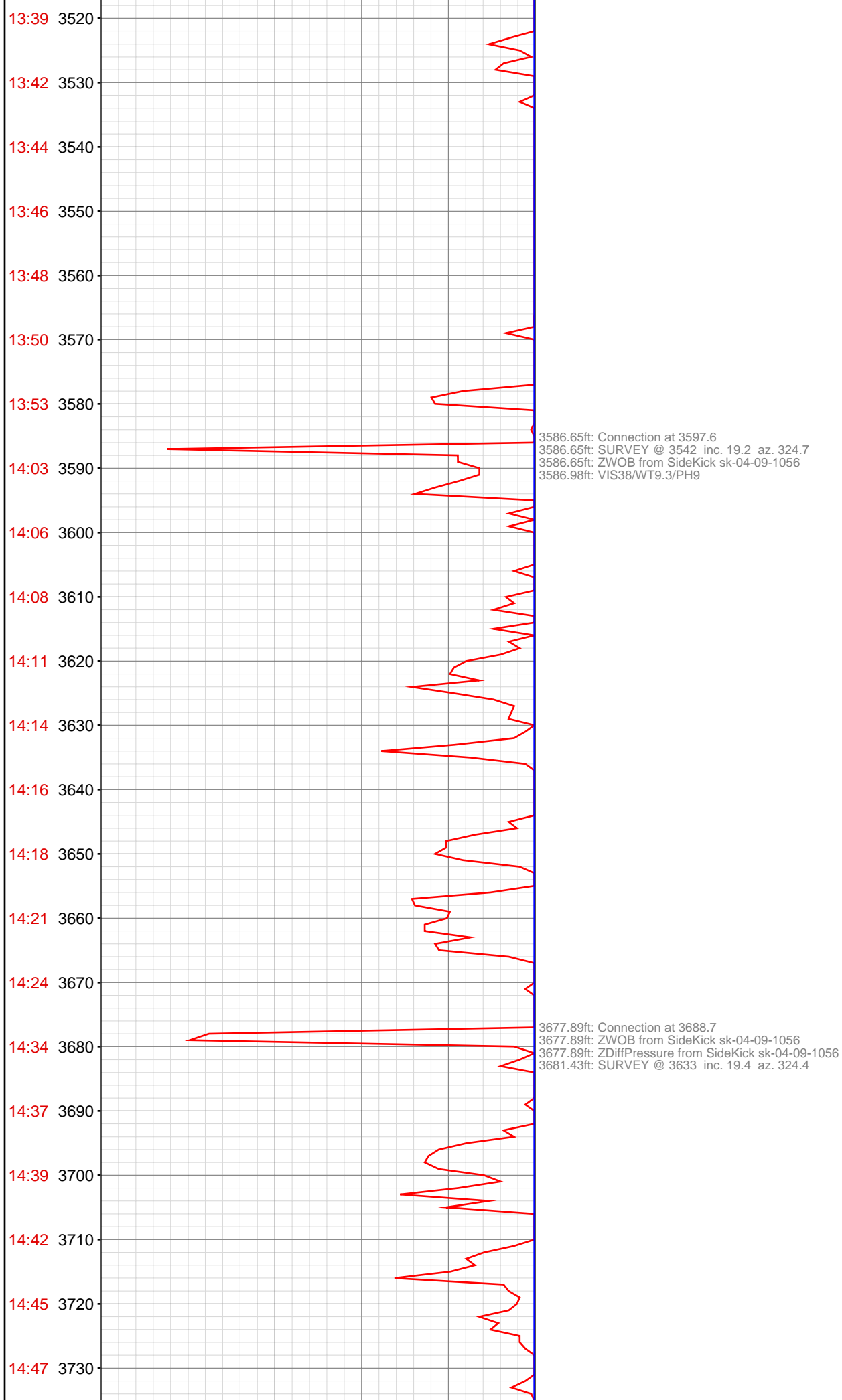


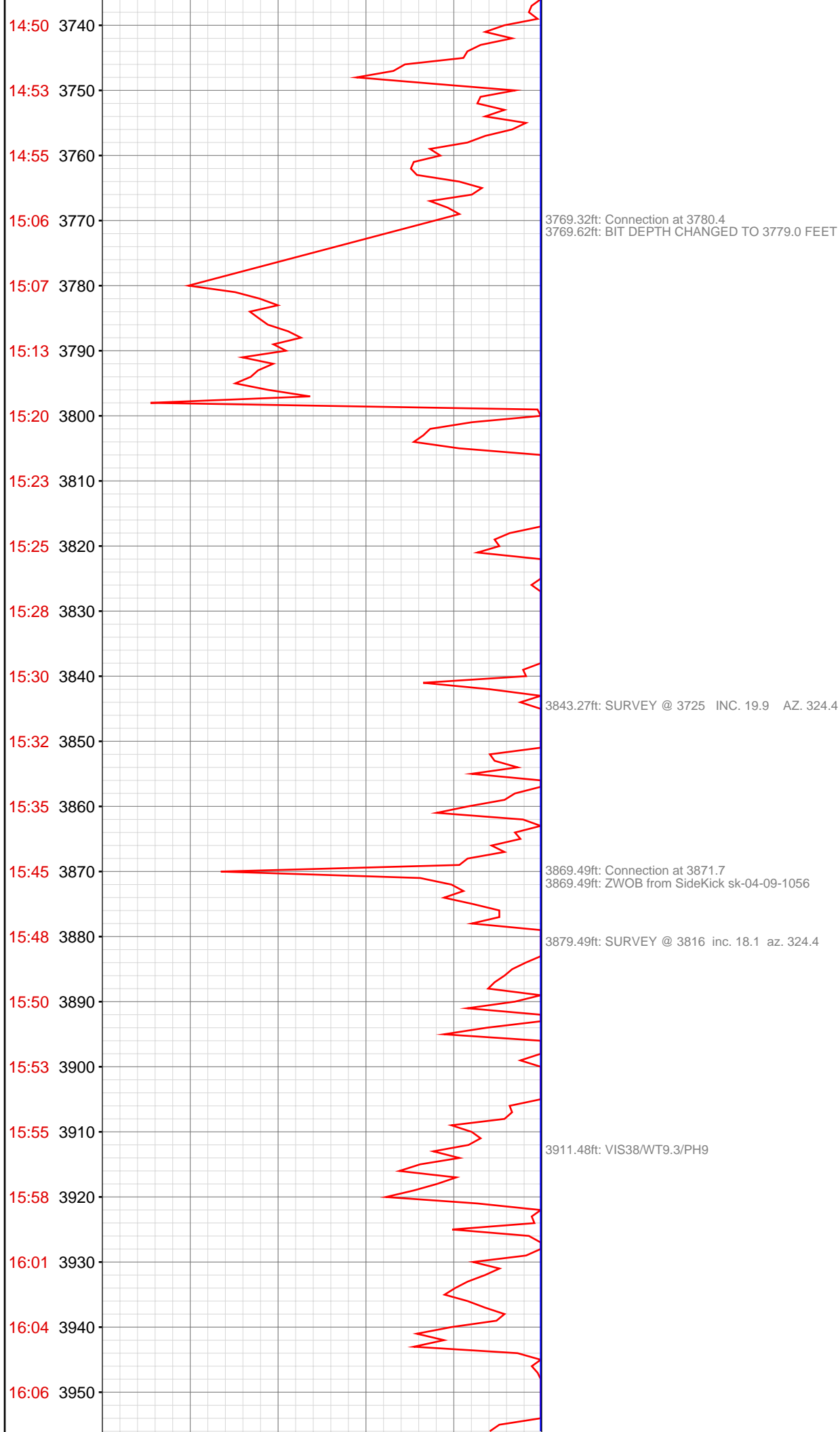


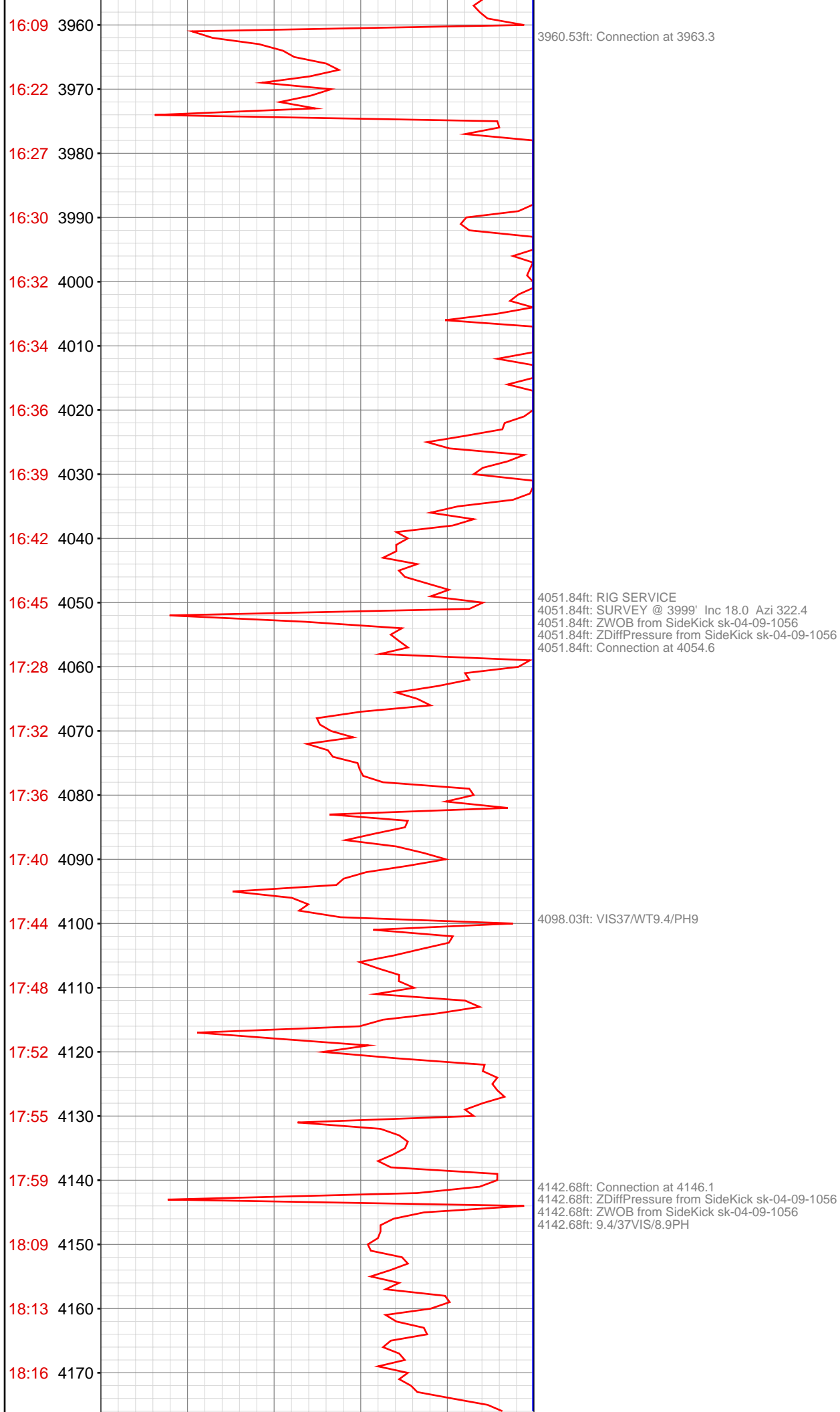


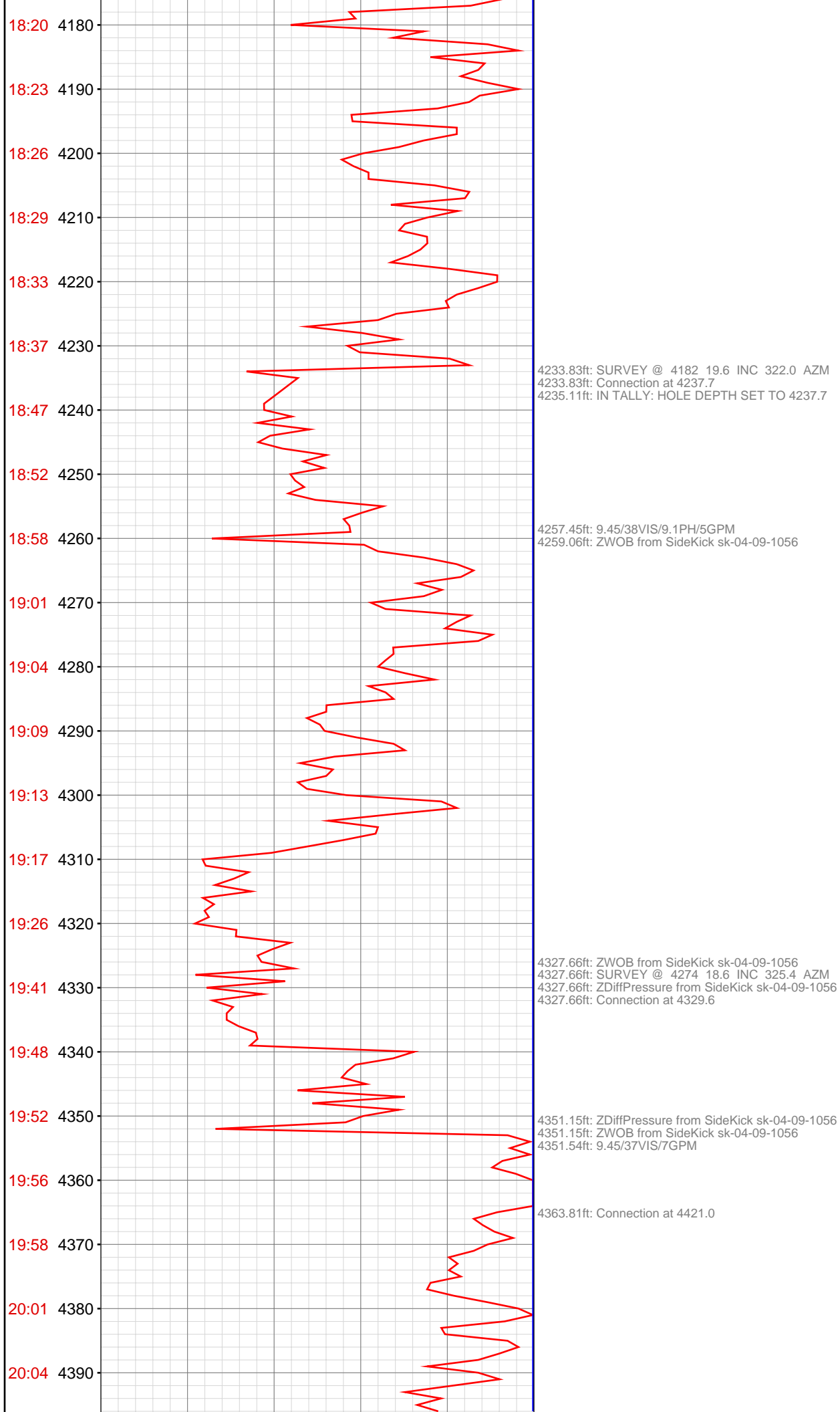


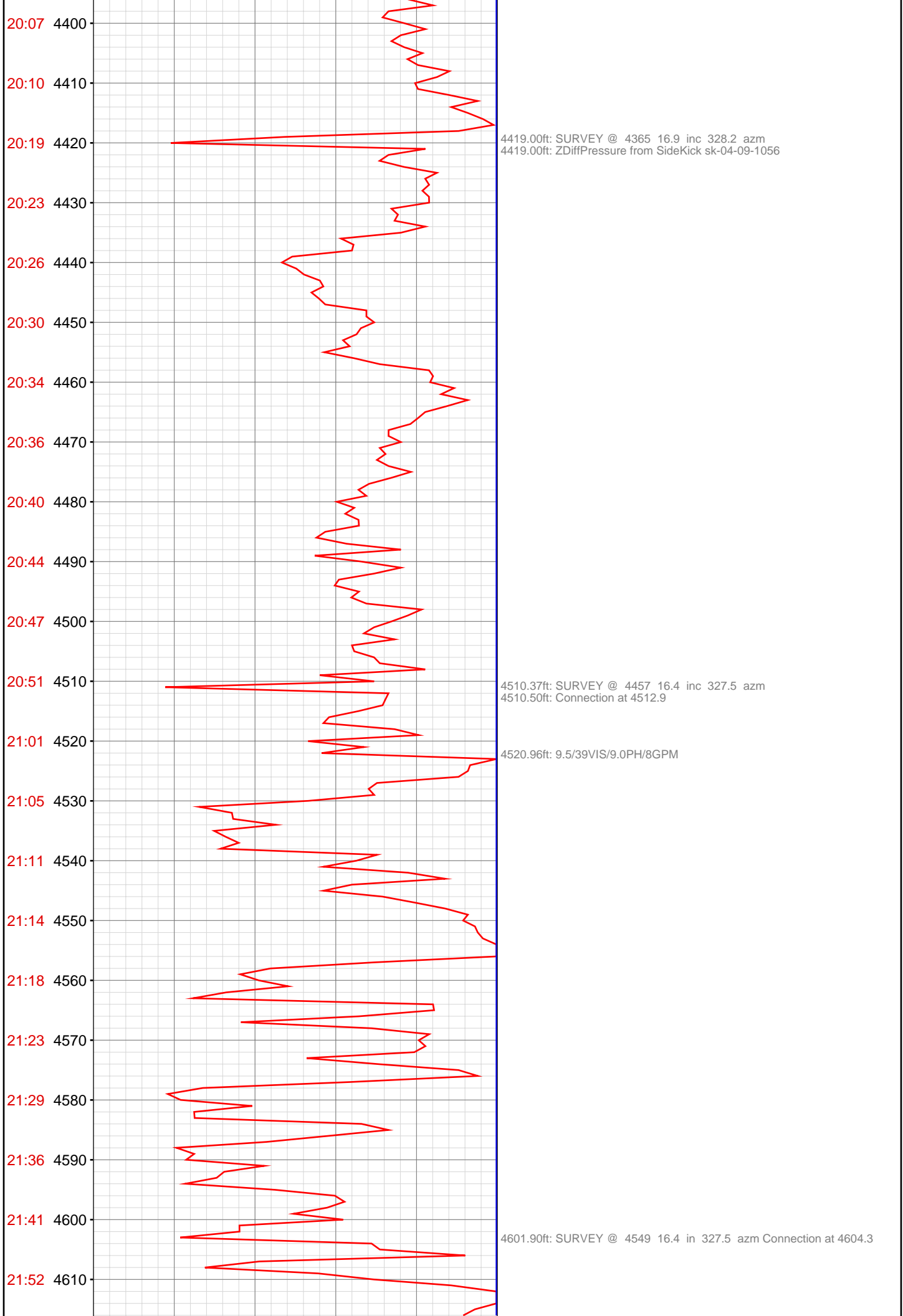


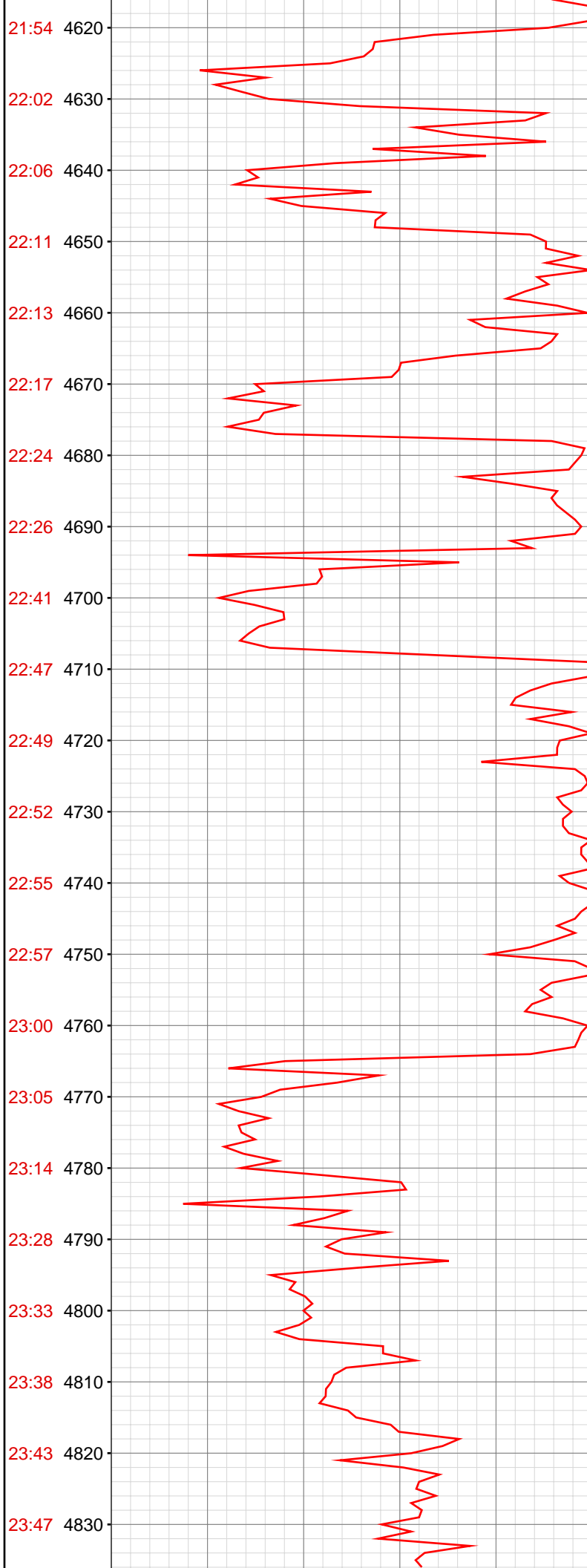












4627.79ft: 9.5\35VIS\9.4PH\8GPM

4693.18ft: ZDiffPressure from SideKick sk-04-09-1056  
4693.18ft: ZWOB from SideKick sk-04-09-1056  
4693.18ft: Connection at 4696.1  
4693.60ft: SURVEY @ 4641 16.6 inc 326.9 azm

4740.42ft: 9.5\36VIS\9.5PH\8GPM

4784.15ft: SURVEY @ 4732 16.2 inc 325.6 azm  
4784.15ft: Connection at 4787.2  
4784.15ft: ZDiffPressure from SideKick sk-04-09-1056

4790.62ft: ADD DEFOAMER

23:51 4840

23:54 4850

23:58 4860

Jun 21, 2013

00:02 4870

00:18 4880

00:23 4890

00:29 4900

00:33 4910

00:37 4920

00:41 4930

00:46 4940

00:50 4950

00:55 4960

01:09 4970

01:16 4980

01:23 4990

01:26 5000

01:29 5010

01:33 5020

01:37 5030

01:42 5040

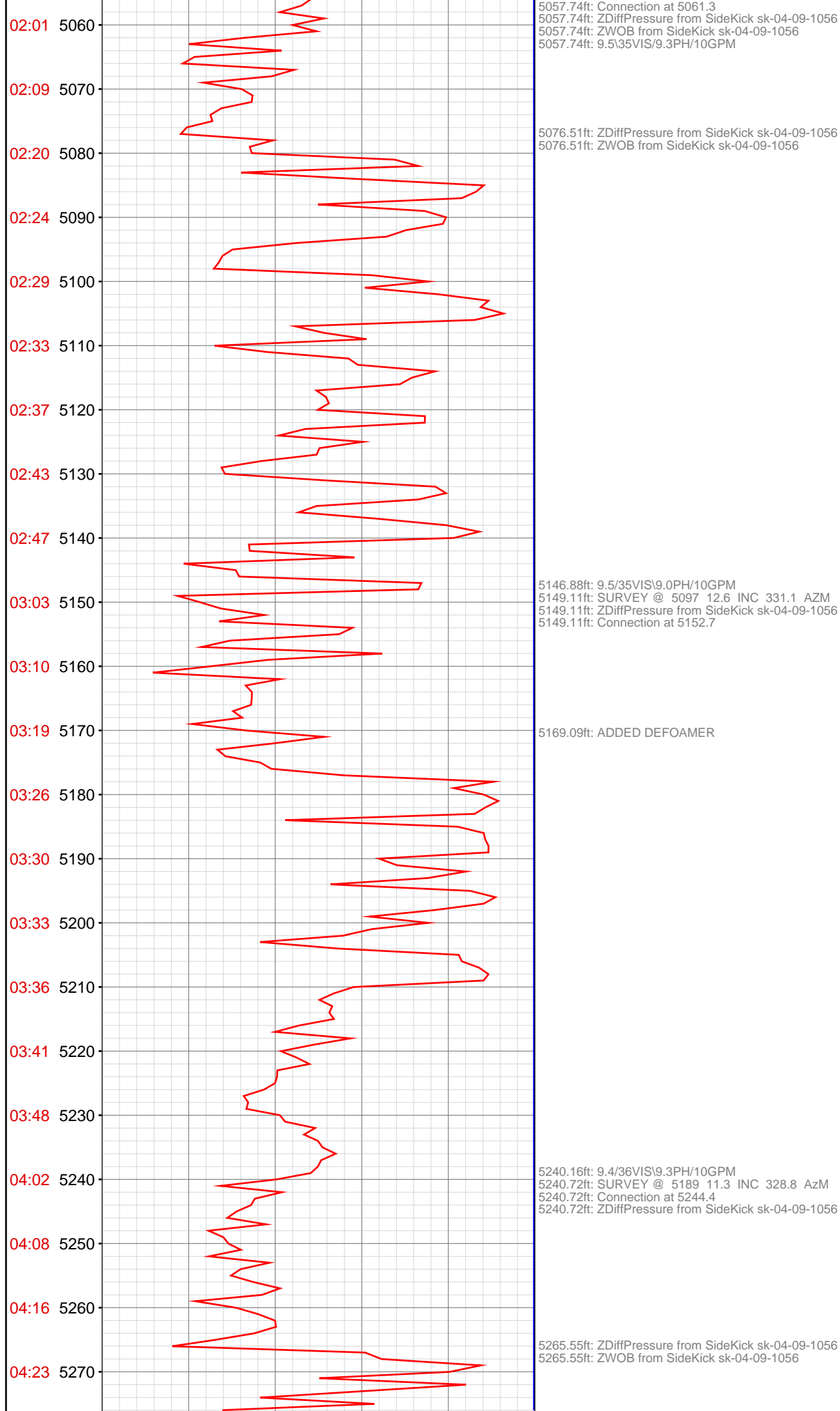
01:46 5050

4837.93ft: 9.5\35VIS\9.3PH\10GPM

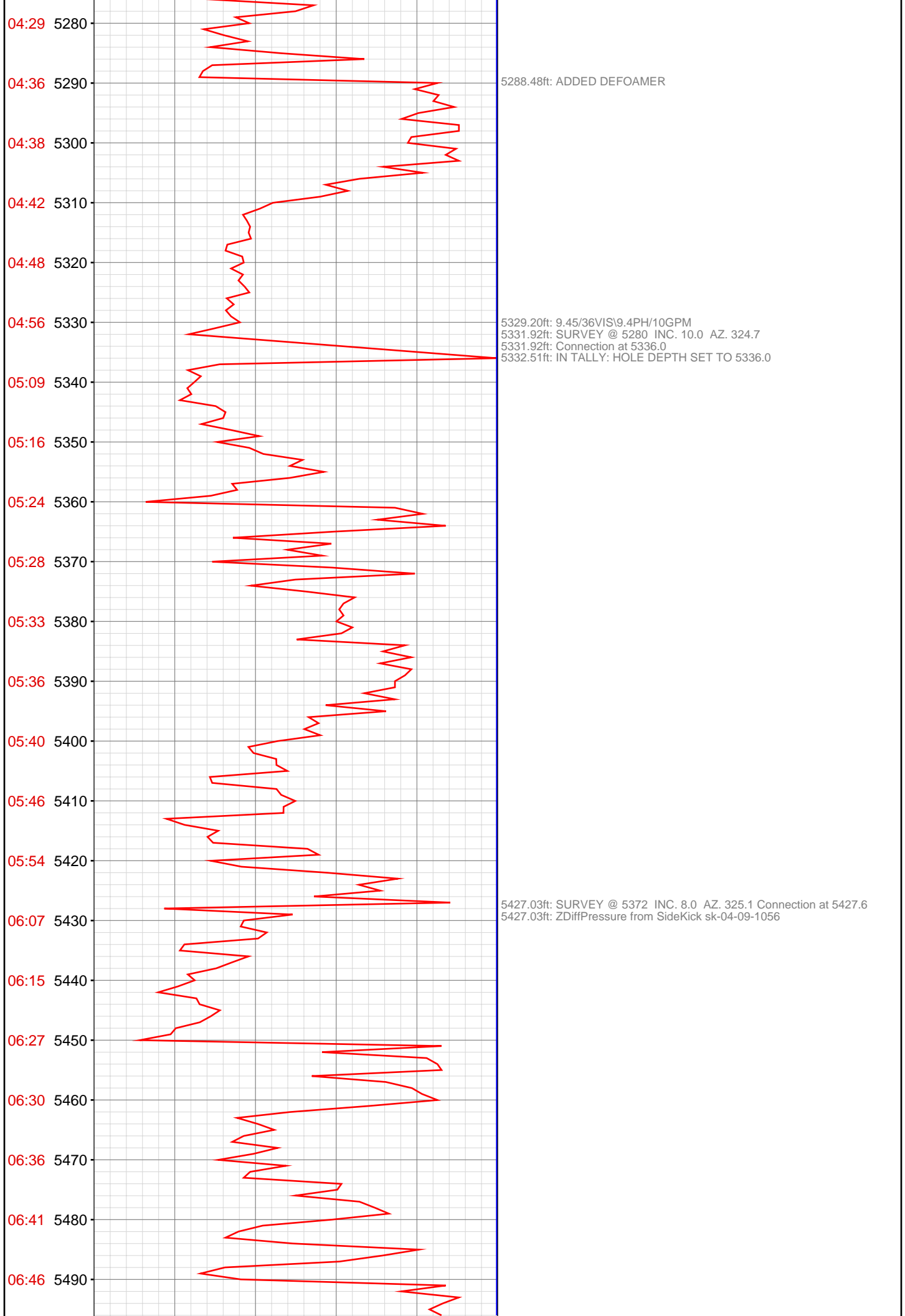
4875.53ft: Connection at 4878.5  
4875.53ft: ZDiffPressure from SideKick sk-04-09-1056  
4875.53ft: SURVEY @ 4823 16.4 INC 325.4 AZM

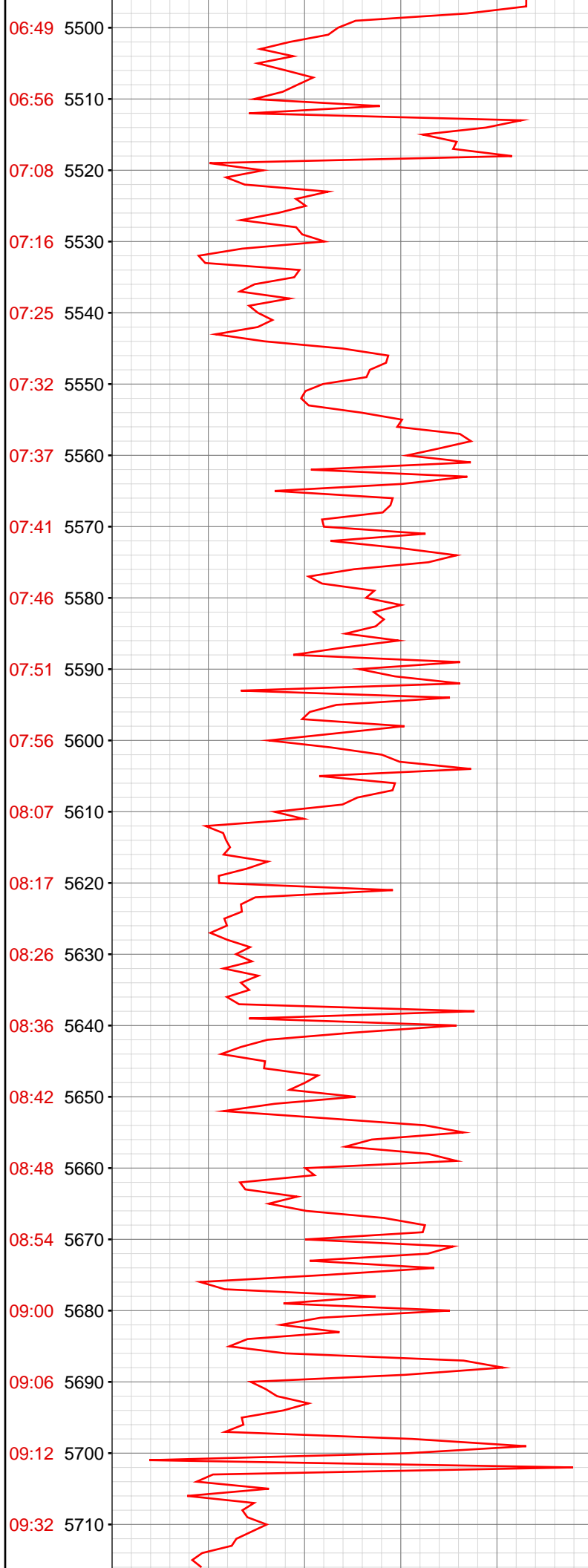
4966.04ft: 9.5\35VIS\9.3PH\10GPM  
4966.57ft: SURVEY @ 4915 15.2 INC 327.8 AZM  
4966.57ft: Connection at 4970.1  
4966.57ft: ZDiffPressure from SideKick sk-04-09-1056

5057.74ft: SURVEY @ 5006 13.8 INC 330.5 AZM









5518.18ft: VIS35/WT9.3/PH9  
5518.18ft: Connection at 5519.5  
5518.18ft: ZDiffPressure from SideKick sk-04-09-1056

5539.37ft: SURVEY @ 5464' Inc 6.9 Azi 327.1

5559.88ft: TRANSFER 70BLS

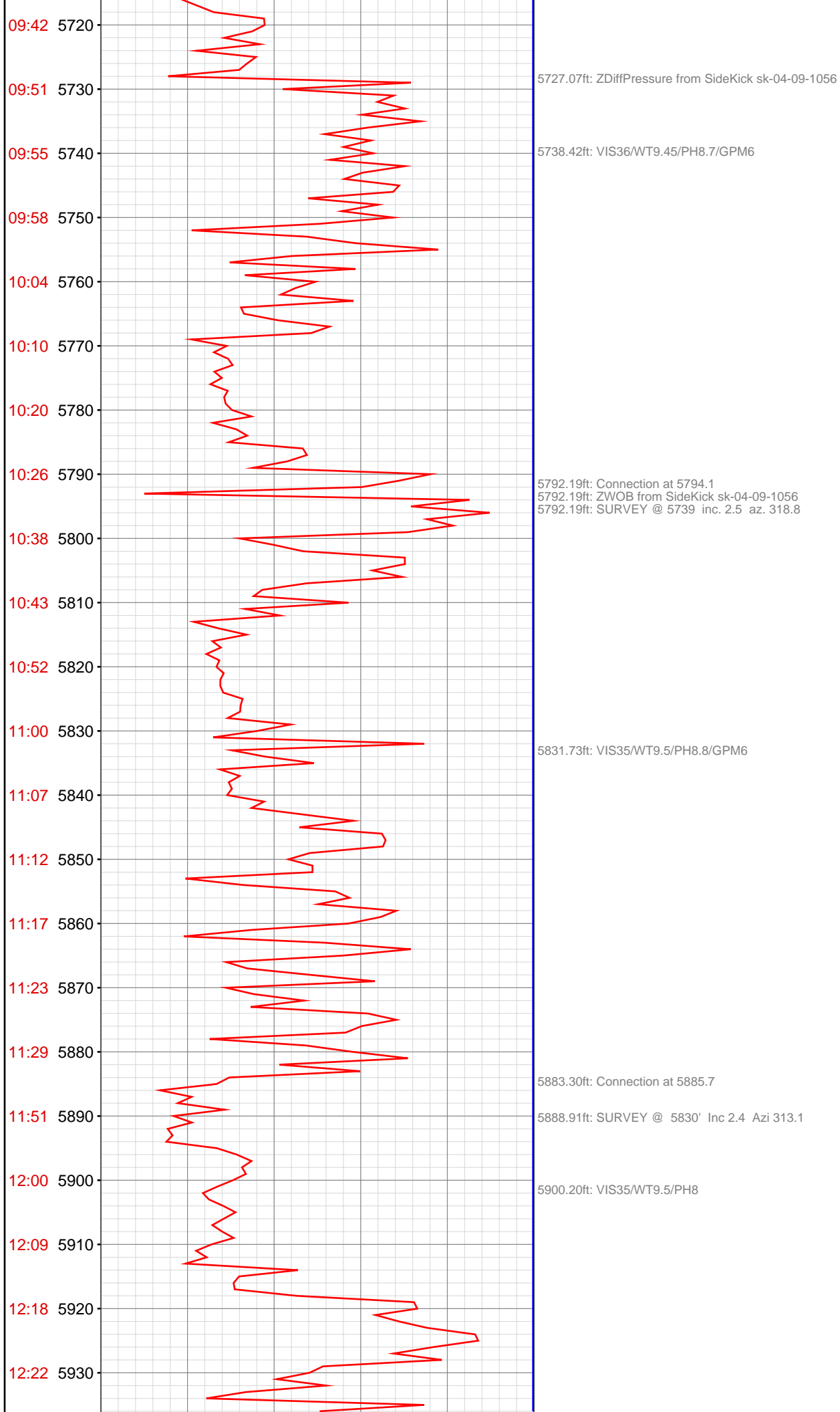
5609.78ft: VIS37/WT9.4/PH9.2/GPM5  
5609.78ft: Connection at 5611.0  
5609.78ft: ZDiffPressure from SideKick sk-04-09-1056

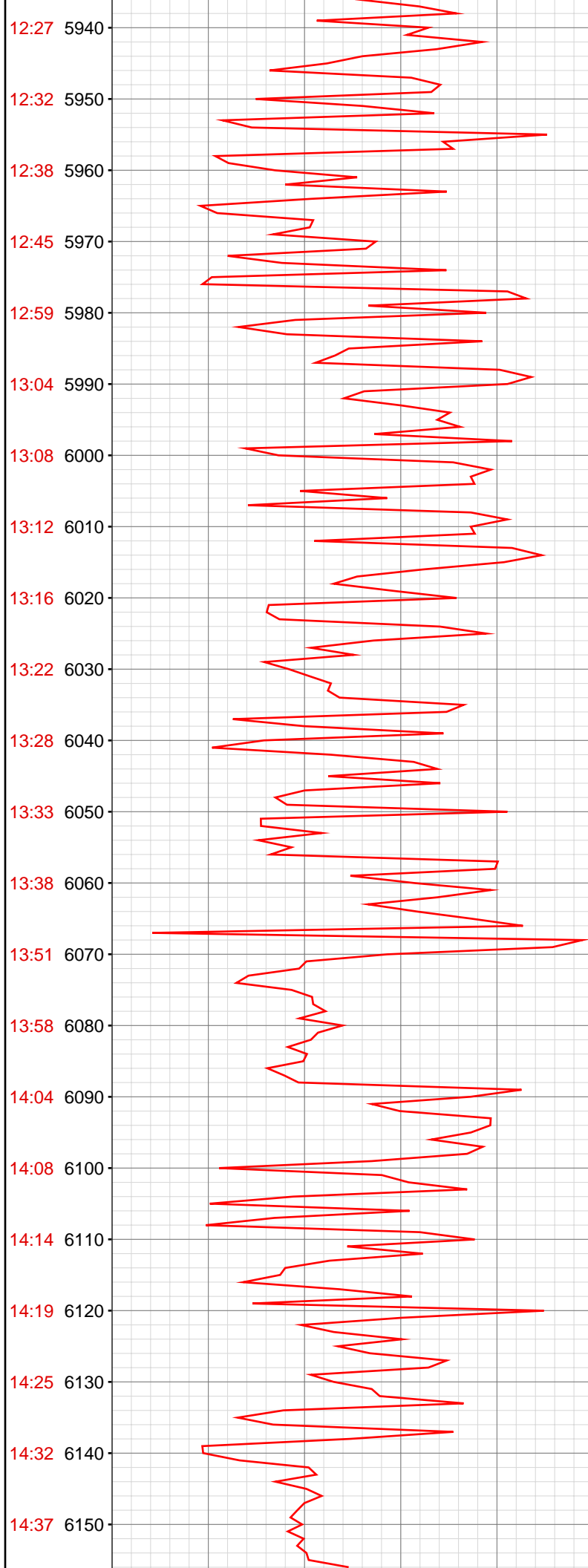
5618.01ft: SURVEY @ 5555' Inc 5.6 Azi 324.6  
5621.49ft: TRANSFER 70BLS

5636.29ft: ZWOB from SideKick sk-04-09-1056

5692.59ft: VIS36/WT9.4/PH8.5

5700.79ft: Connection at 5702.6  
5700.79ft: ZDiffPressure from SideKick sk-04-09-1056  
5704.59ft: SURVEY @ 5647 inc. 4.0 az. 323.1





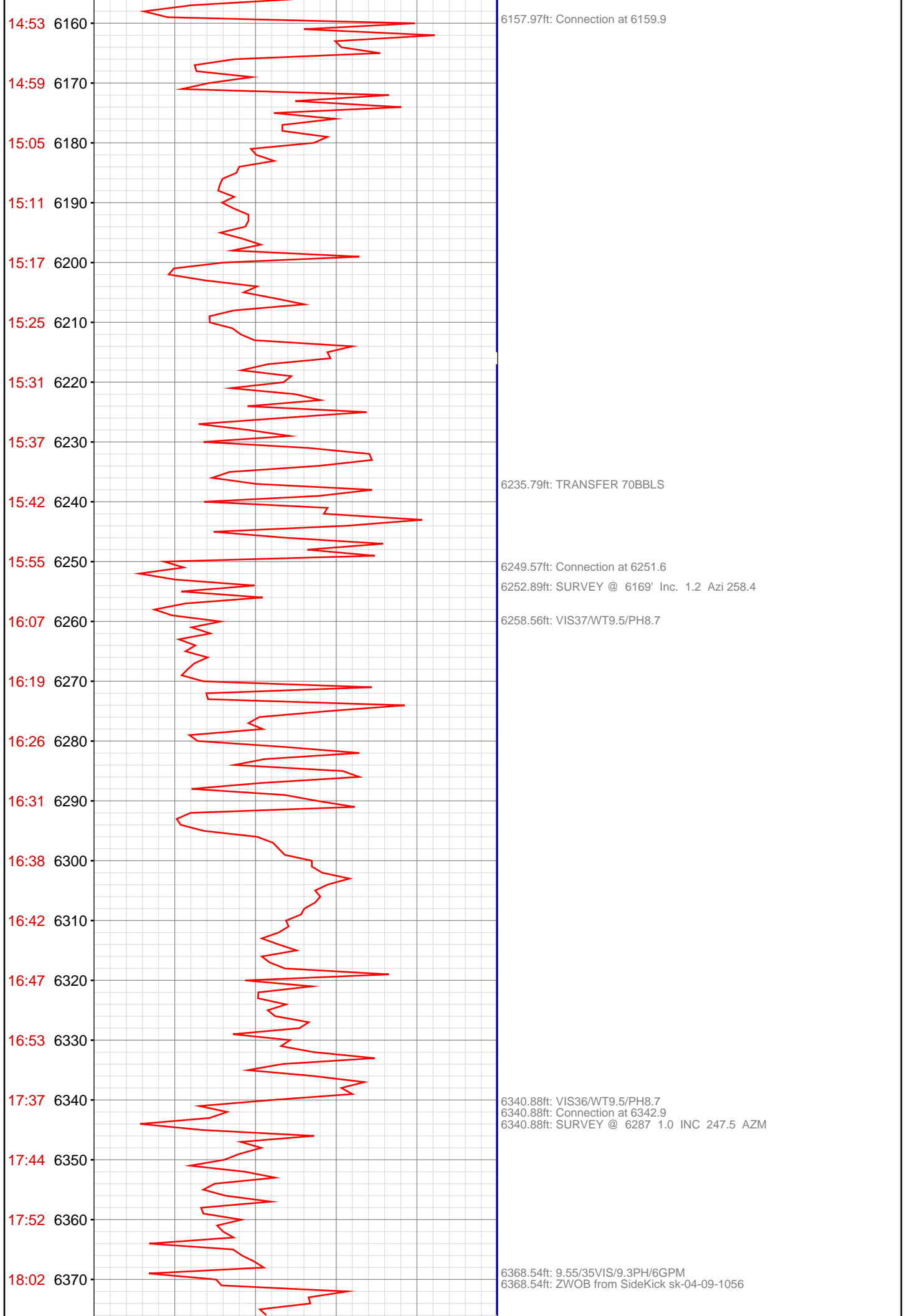
5944.06ft: TRANSFER 70BBLs

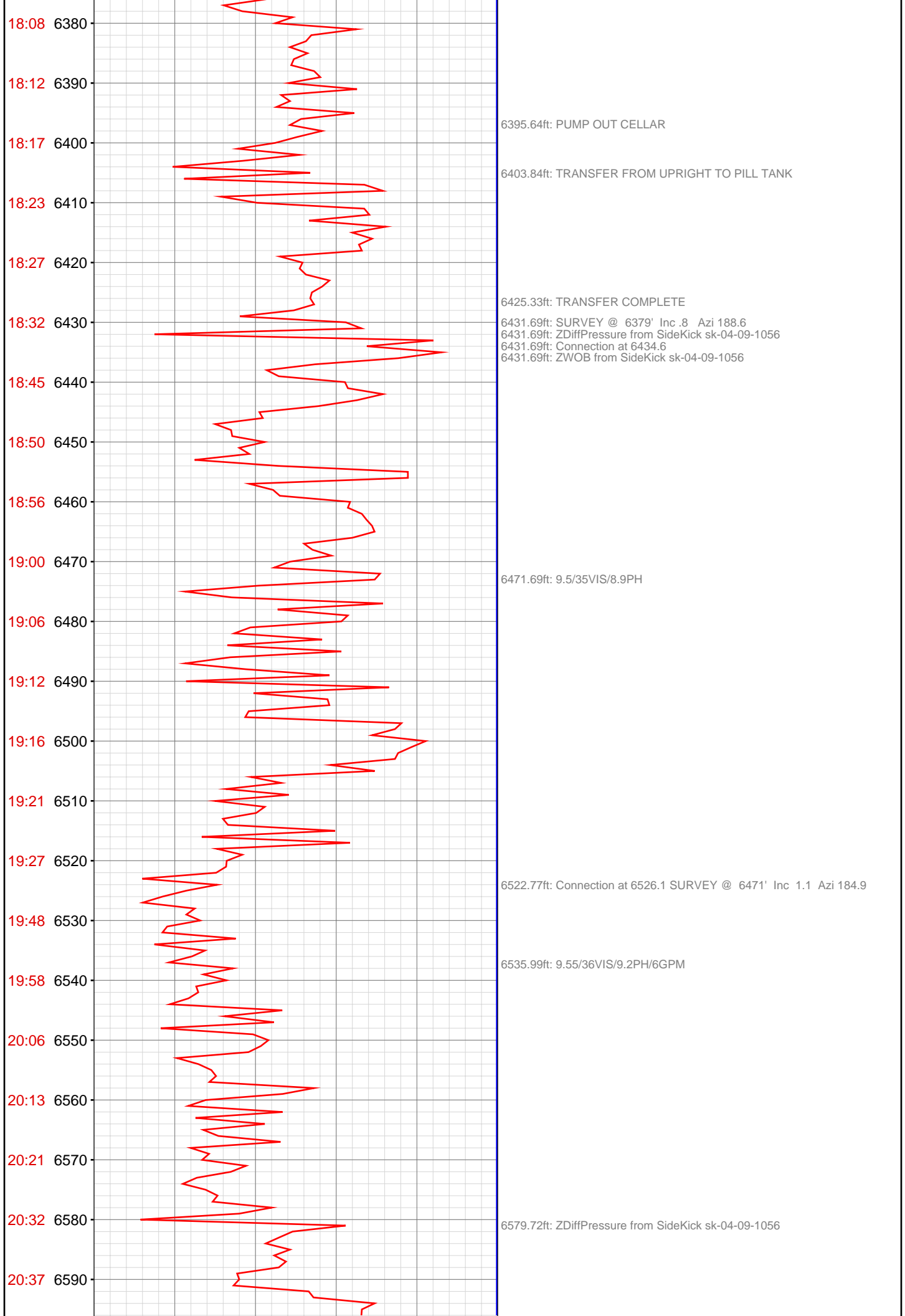
5974.93ft: Connection at 5976.9  
5974.93ft: ZDiffPressure from SideKick sk-04-09-1056  
5975.10ft: SURVEY @ 5921' Inc 1.3 Azi 311.5

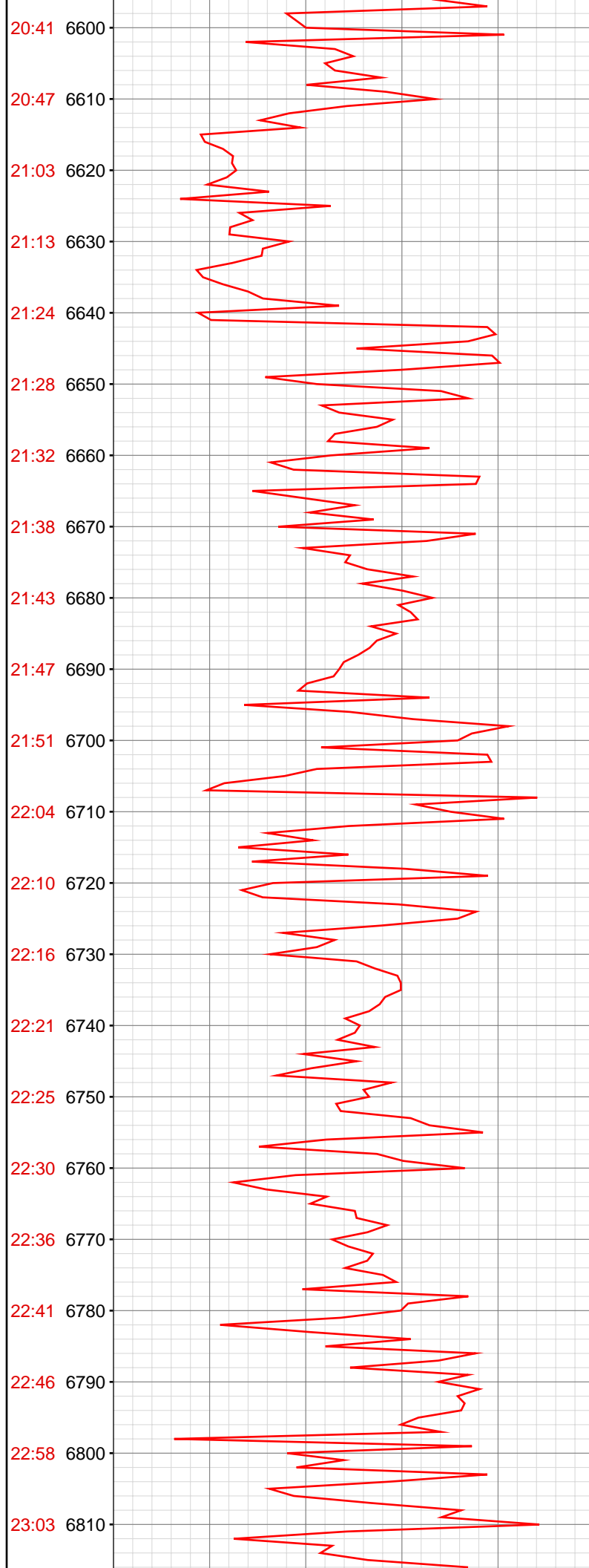
6057.87ft: TRANSFER 70BBLs

6066.50ft: Connection at 6068.4  
6066.50ft: SURVEY @ 6013' Inc .9 Azi 298.1  
6066.50ft: ZDiffPressure from SideKick sk-04-09-1056  
6066.50ft: ZWOB from SideKick sk-04-09-1056

6084.45ft: VIS/35/WT9.5





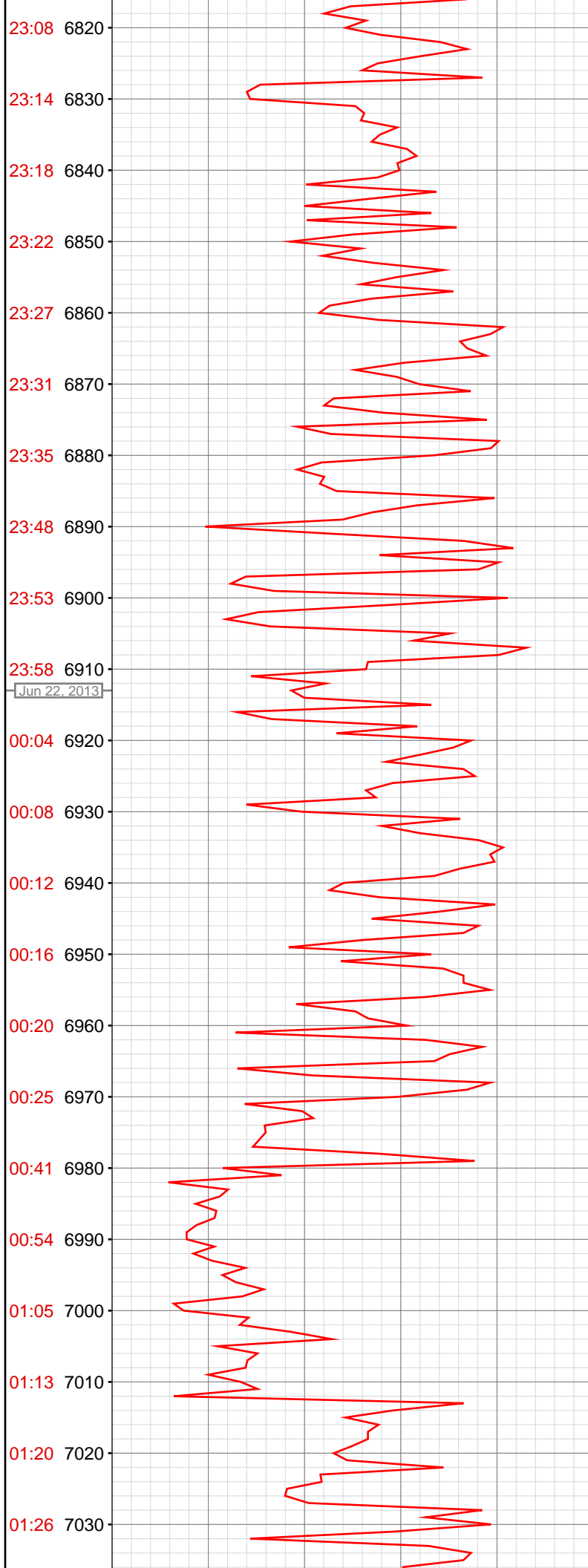


6614.37ft: 9.6/36VIS/9.0PH/6GPM  
6614.37ft: SURVEY @ 6562 .3 INC 196.2 AZM  
6614.37ft: Connection at 6617.6  
6614.37ft: ZDiffPressure from SideKick sk-04-09-1056

6694.91ft: 9.6\35VIS/9.3PH/6GPM

6705.74ft: SURVEY @ 6653 .8 inc 26.9 azm  
6705.74ft: Connection at 6708.9  
6705.74ft: ZWOB from SideKick sk-04-09-1056  
6705.74ft: ZDiffPressure from SideKick sk-04-09-1056

6797.31ft: SURVEY @ 6745 .5 inc 11.3 azm Connection at 6800.1  
6797.31ft: ZDiffPressure from SideKick sk-04-09-1056  
6797.83ft: 9.65/36VIS/9.2PH/6GPM



6888.52ft: SURVEY @ 6836 .4 inc 289.4 azm  
6888.52ft: ZWOB from SideKick sk-04-09-1056  
6888.52ft: ZDiffPressure from SideKick sk-04-09-1056  
6889.14ft: Connection at 6891.6

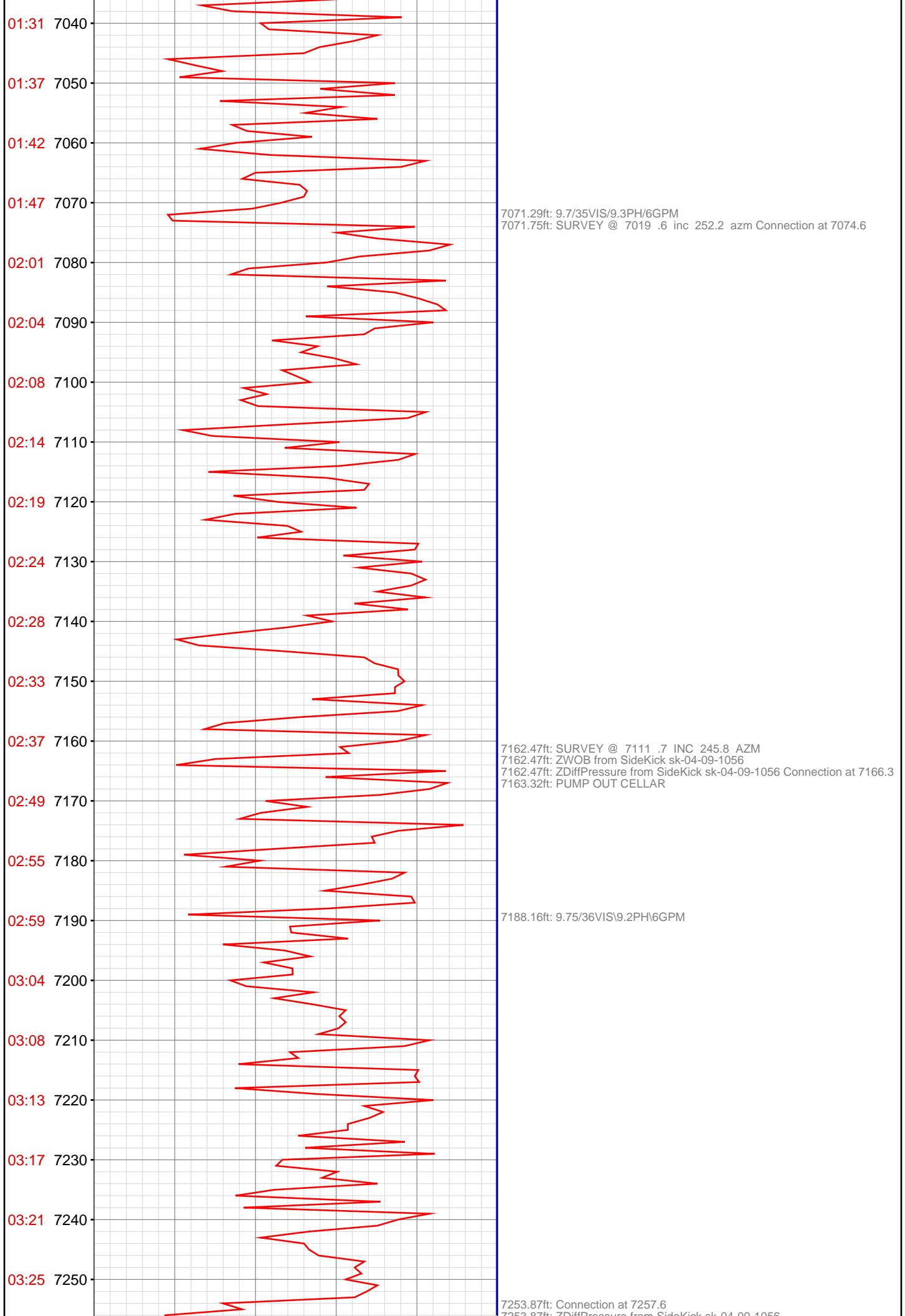
6902.72ft: 9.7/35VIS/9PH/6GPM

6979.89ft: SURVEY @ 6927 .7 INC 260.6 AZM  
6979.89ft: Connection at 6982.8  
6979.89ft: ZDiffPressure from SideKick sk-04-09-1056

6990.45ft: 9.7/35VIS/9.5PH/6GPM

7011.65ft: ZDiffPressure from SideKick sk-04-09-1056  
7011.65ft: ZWOB from SideKick sk-04-09-1056





7255.67ft: ZDiffPressure from SideKick sk-04-09-1056

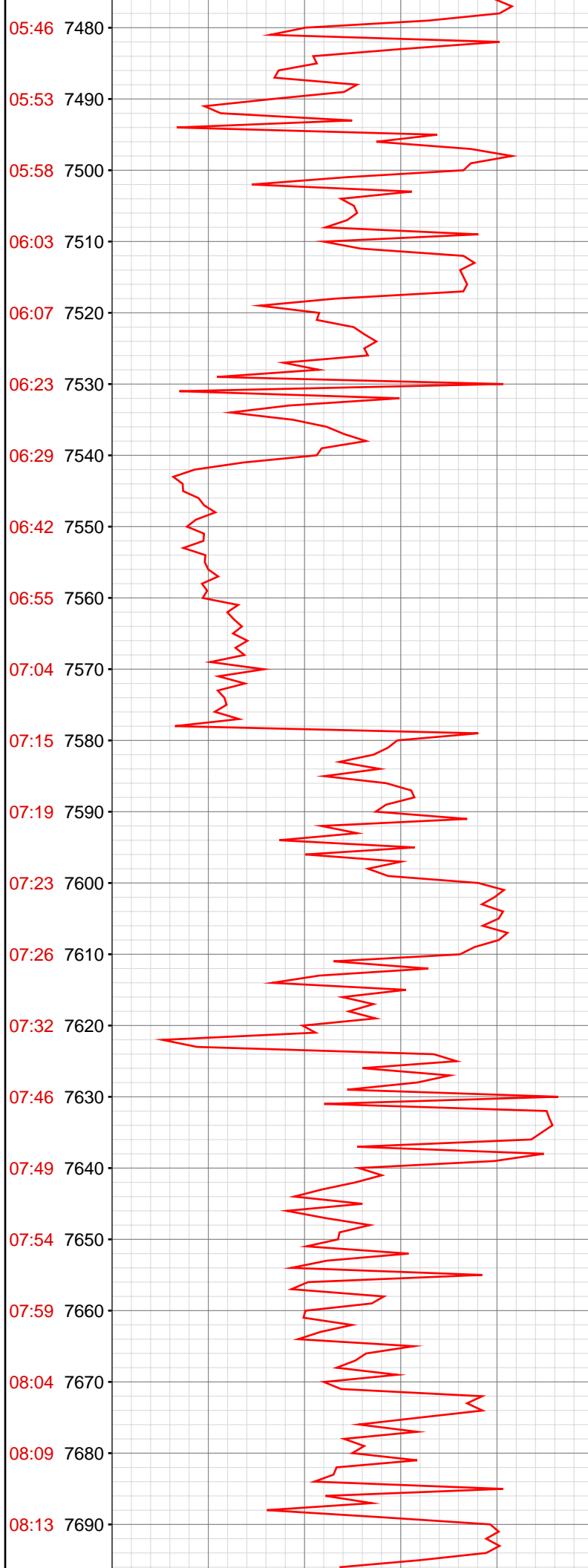
7269.88ft: 9.75\37VIS\9.5PH\6GPM

7287.76ft: ZDiffPressure from SideKick sk-04-09-1056  
7287.76ft: ZWOB from SideKick sk-04-09-1056

7345.31ft: SURVEY @ 7294 inc. 0.7 az. 275.3  
7345.31ft: ZDiffPressure from SideKick sk-04-09-1056  
7345.67ft: Connection at 7349.5  
7346.36ft: IN TALLY: HOLE DEPTH SET TO 7349.5

7365.78ft: 9.7\36VIS\9.4PH\6GPM

7439.40ft: SURVEY @ 7386 inc. 1.1 az. 275.2  
7439.40ft: ZWOB from SideKick sk-04-09-1056  
7439.40ft: ZDiffPressure from SideKick sk-04-09-1056  
7439.40ft: Connection at 7441.0



7518.77ft: VIS37/WT9.7/PH9.4/GPM6

7530.48ft: Connection at 7532.0

7533.83ft: SURVEY @ 7477 inc. 1.8 az. 274.1

7571.62ft: VIS38/WT9.75/PH9.3

7621.75ft: Connection at 7623.0

7621.75ft: SURVEY @ 7567 inc. 1.2 az. 241.8

7658.73ft: VIS45/WT9.75/PH9.38

