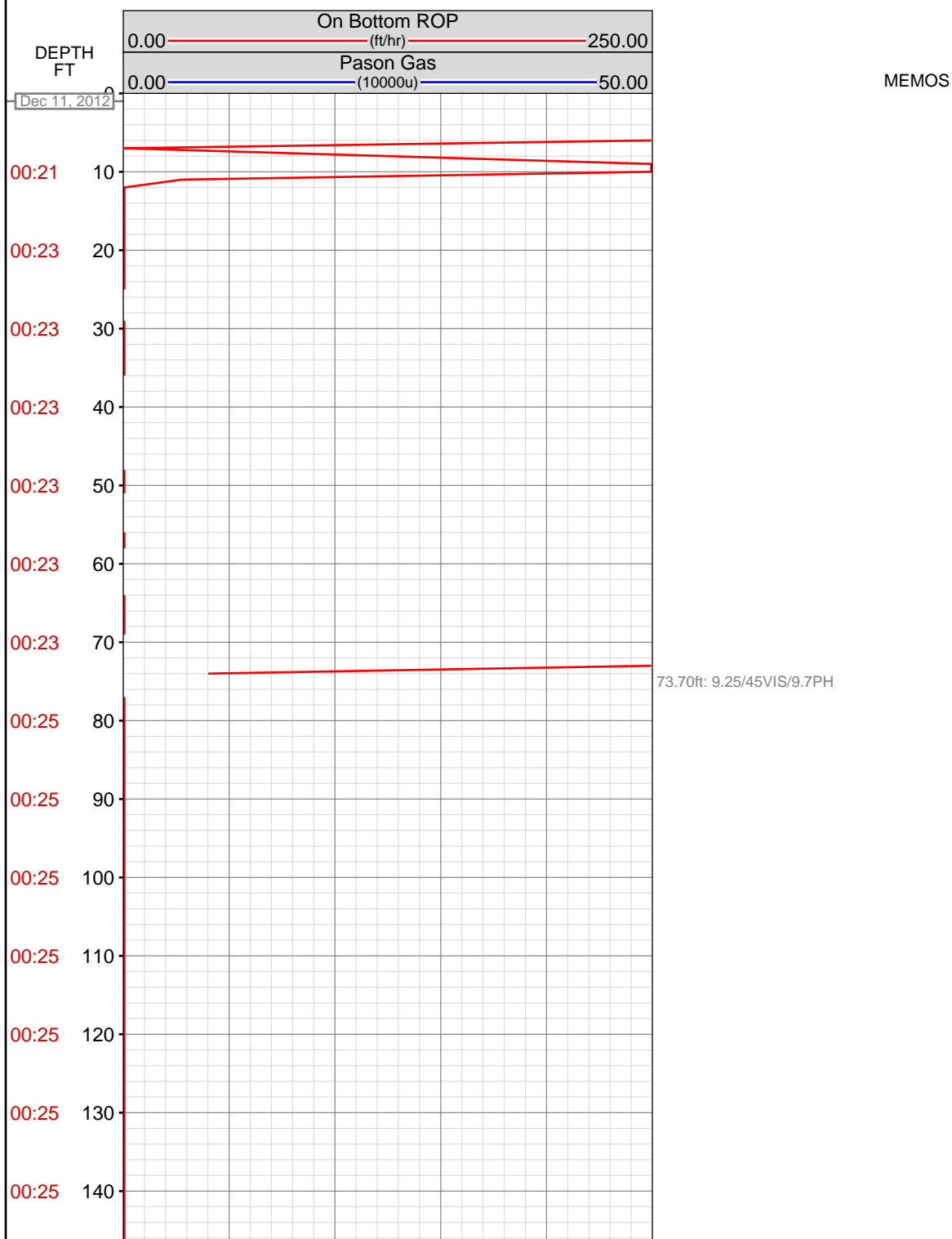


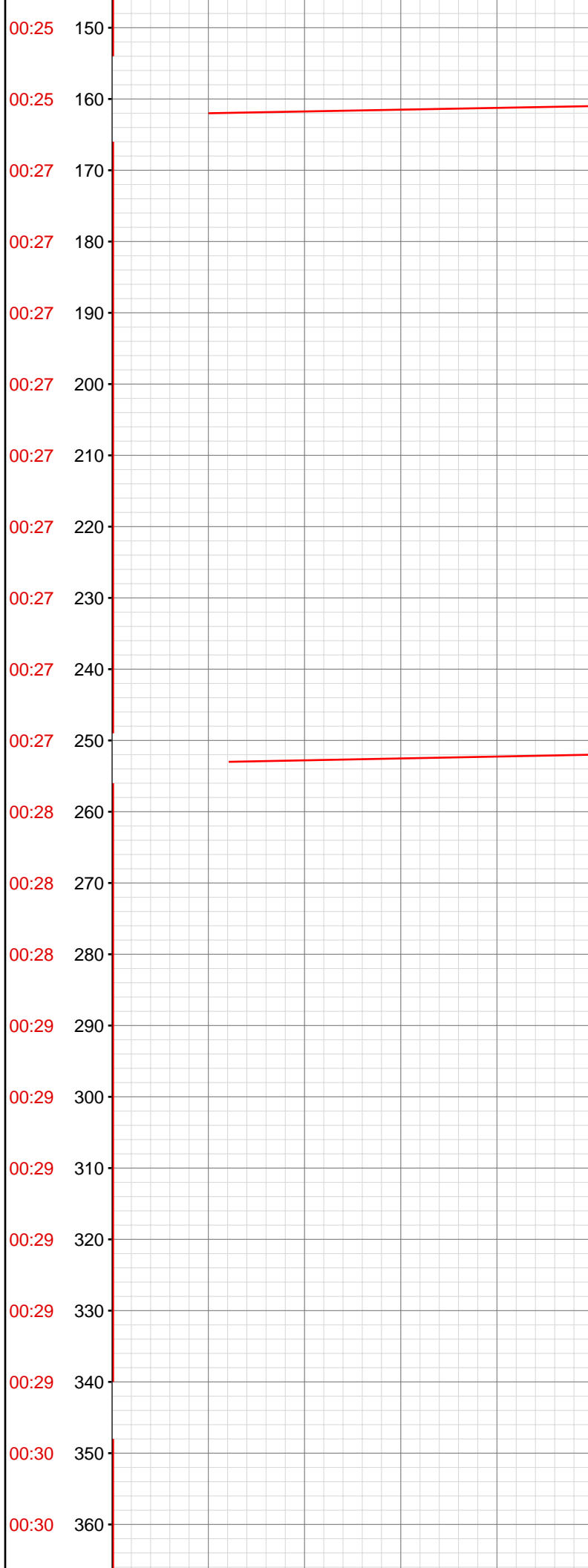
DataHub EDR Log

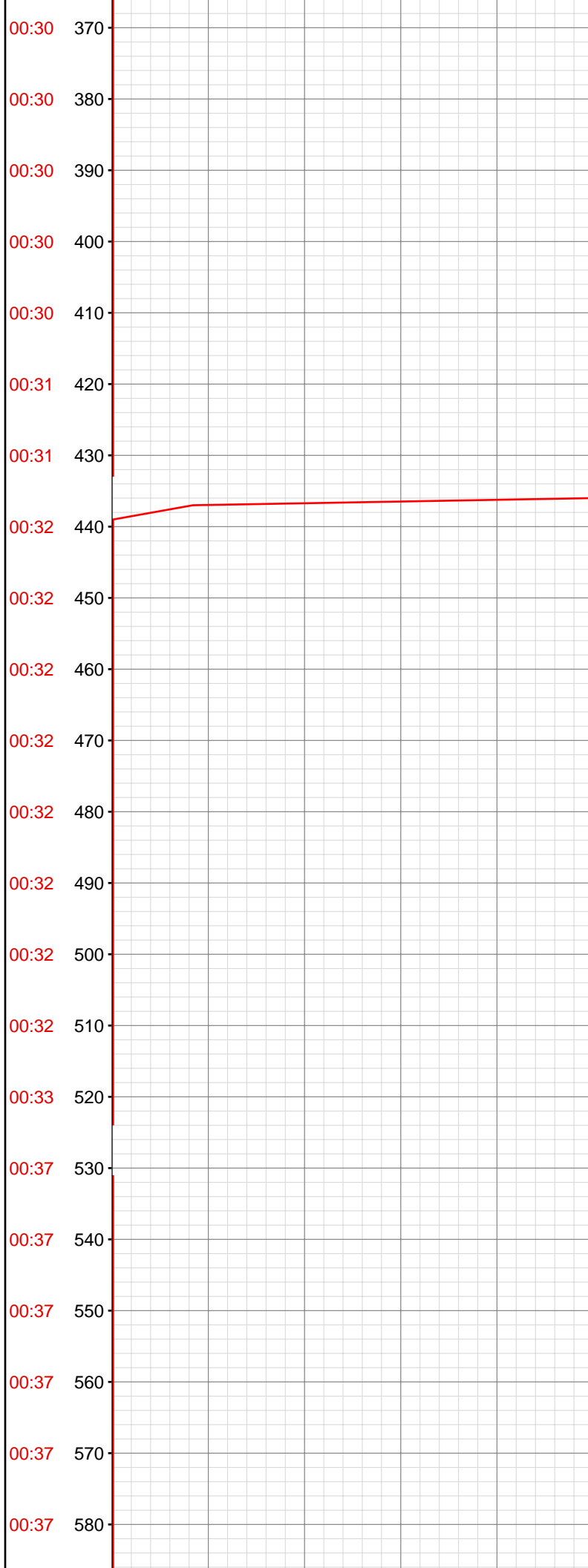
Mon Dec 17, 2012 10:50:01
Well Dossier 1355188332
Greg Veregin

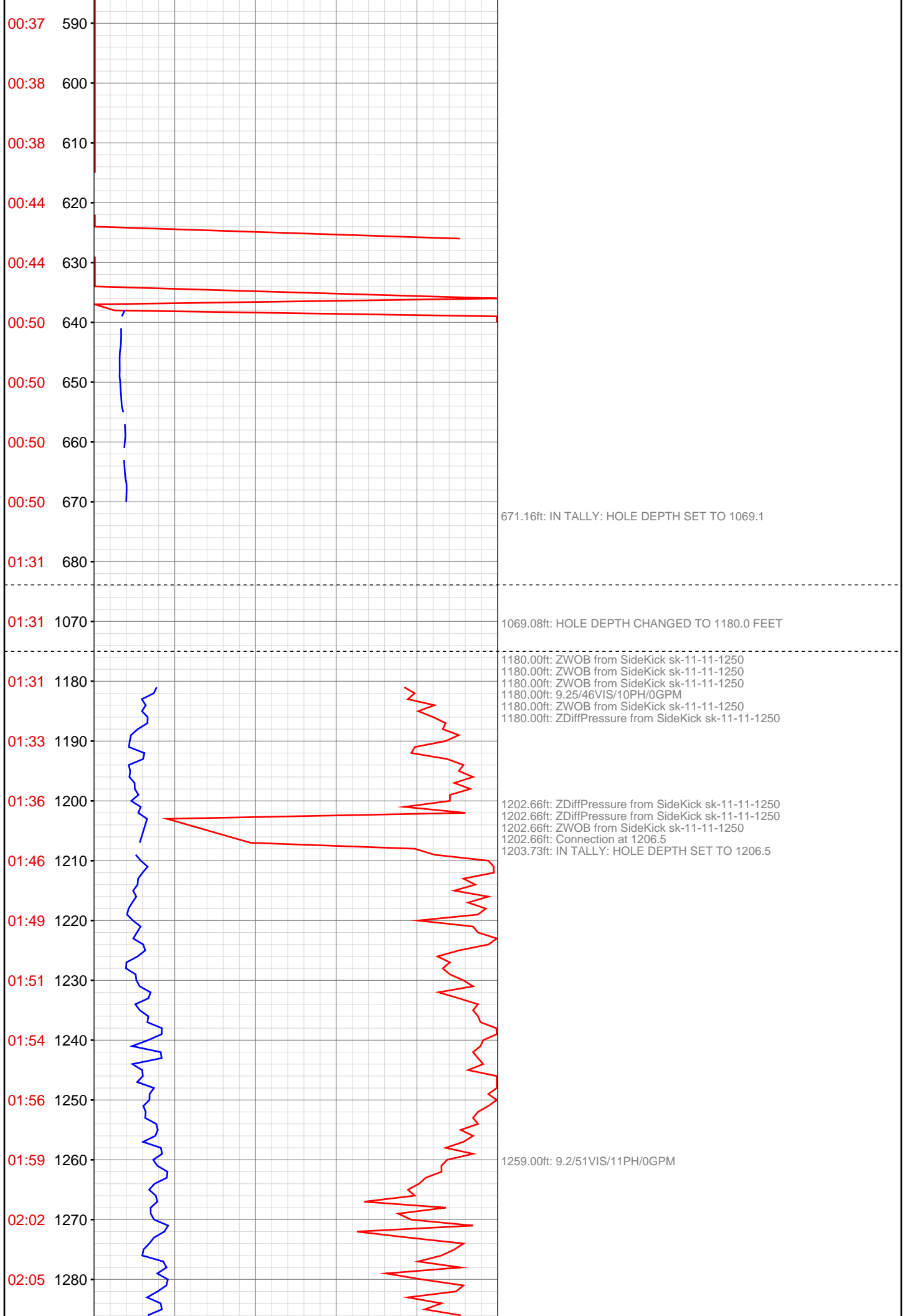
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: SHIDELER FEE 6-7D
FIELD:
LOCATION: SW SE SEC 31, T007S, R92W
COUNTRY: USA
RIG: Pat-UTI 303

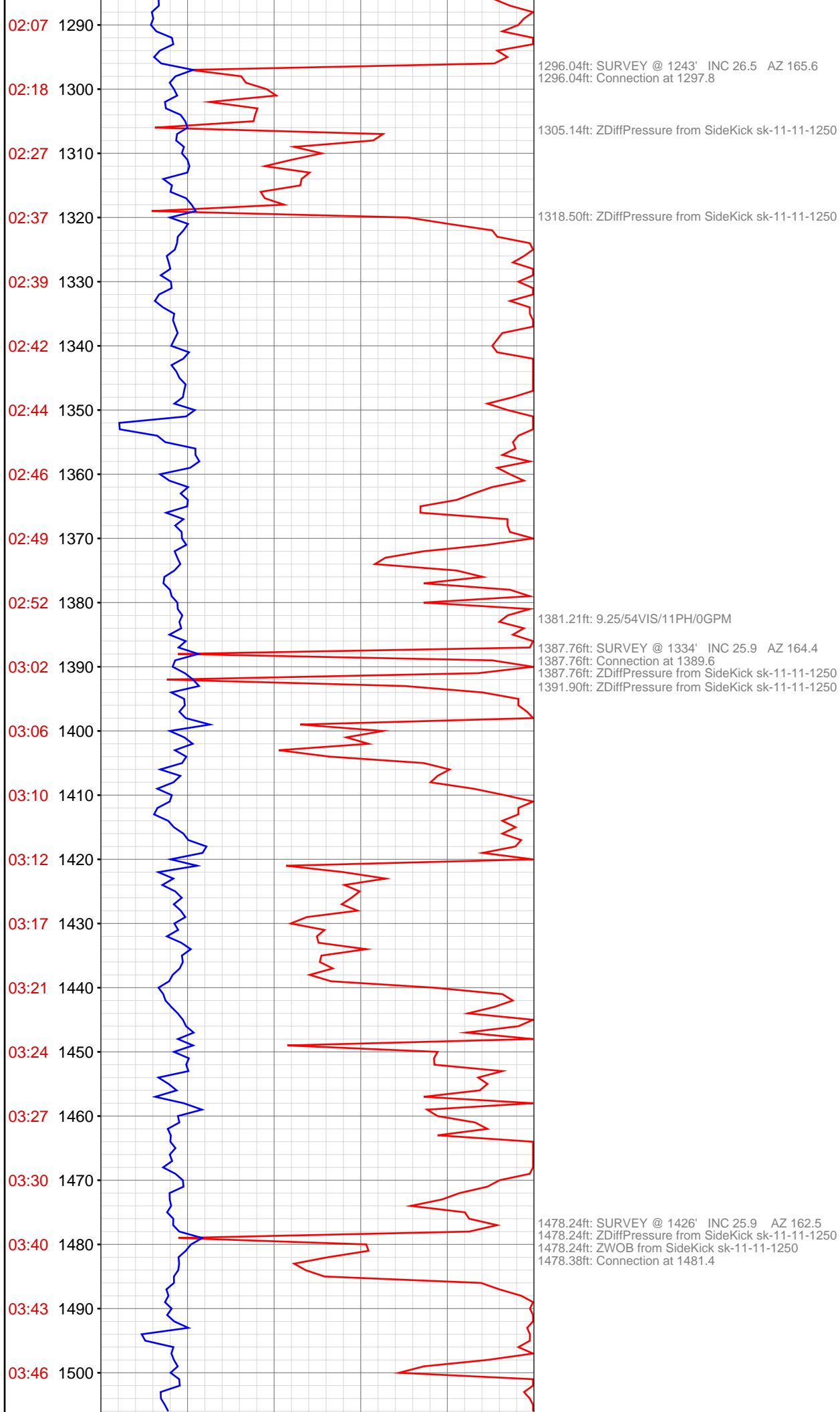
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05-045-21738-00
SPUD DATE: Dec 11, 2012 01:30
RELEASE DATE: Dec 15, 2012 00:00

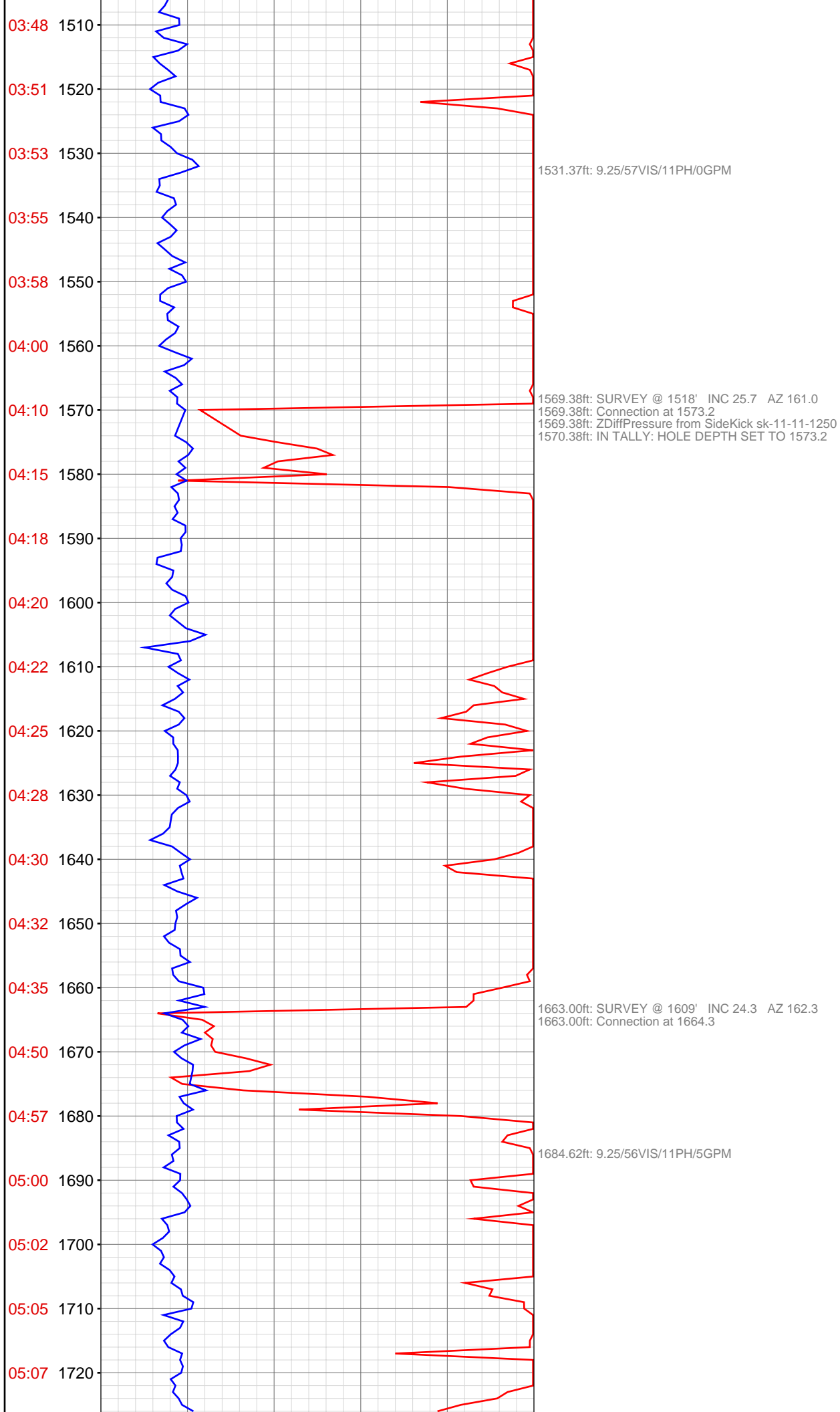


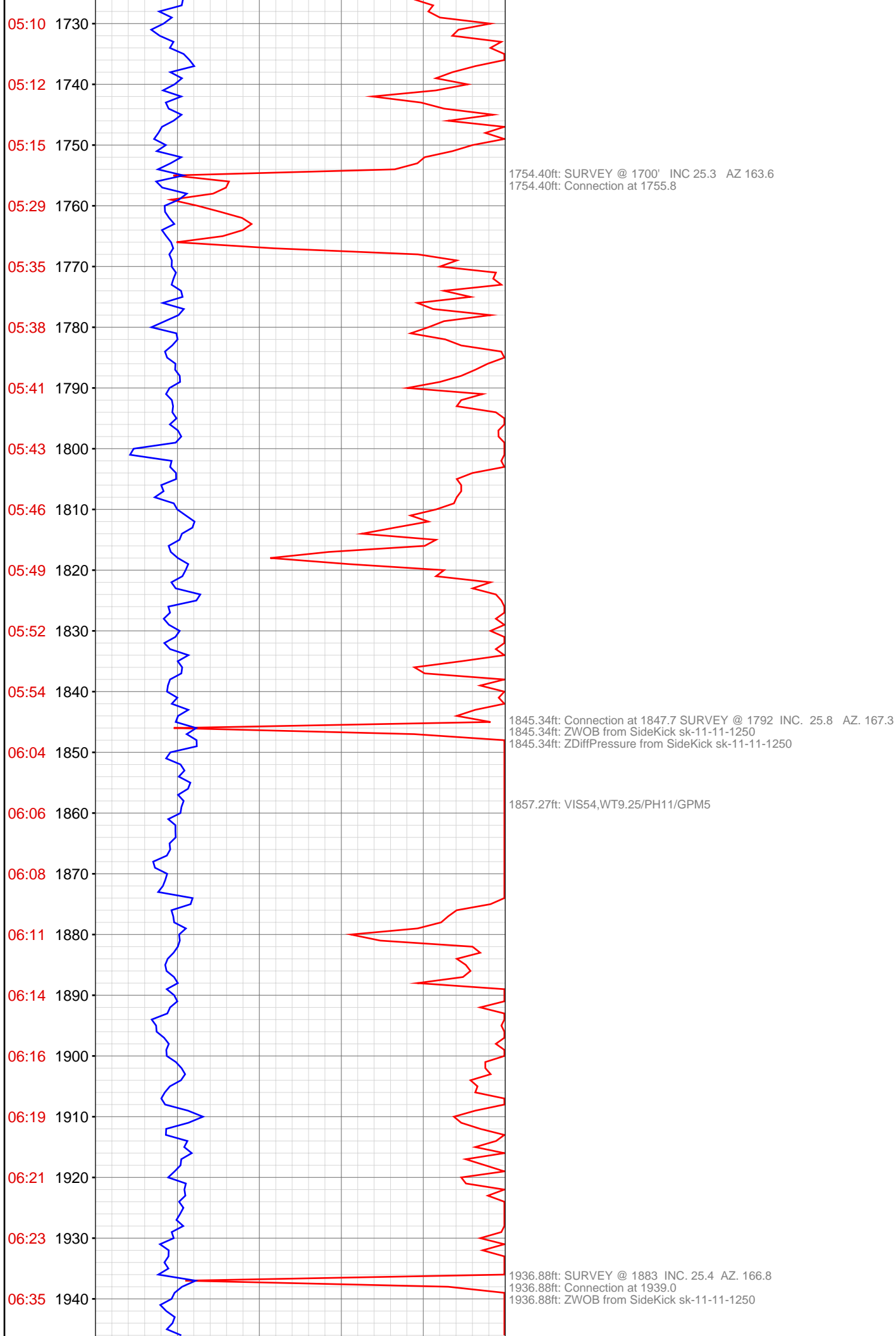


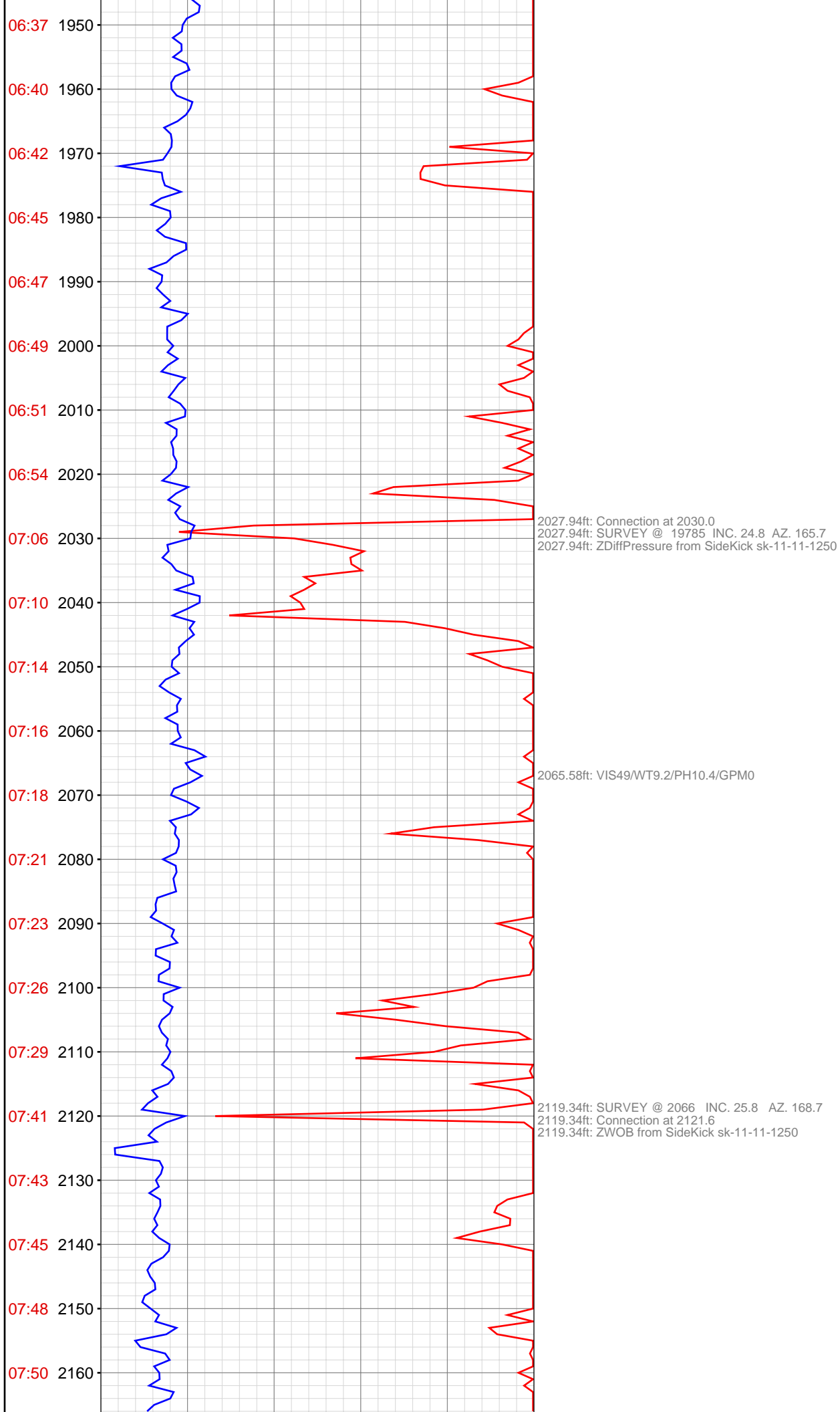


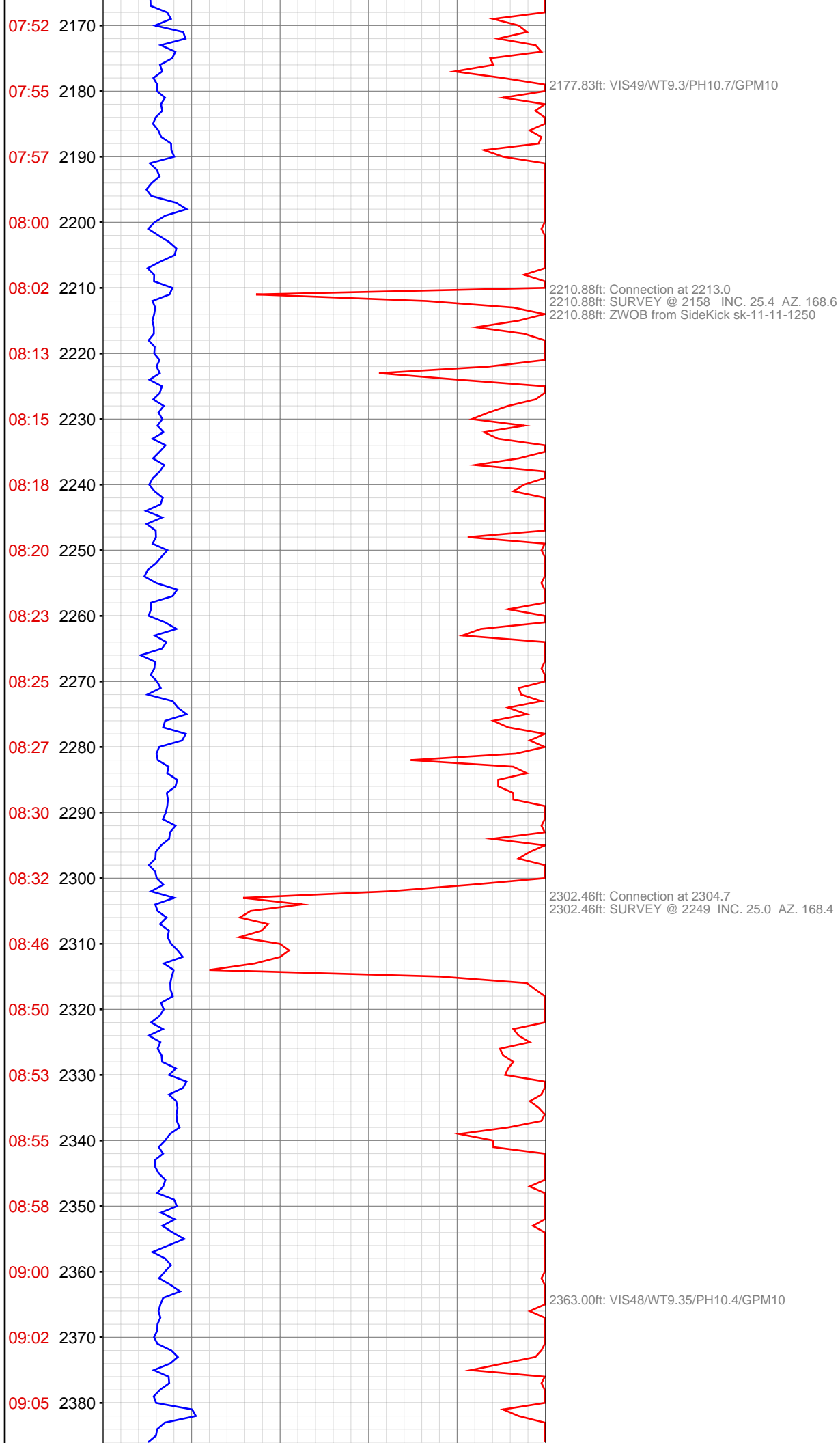


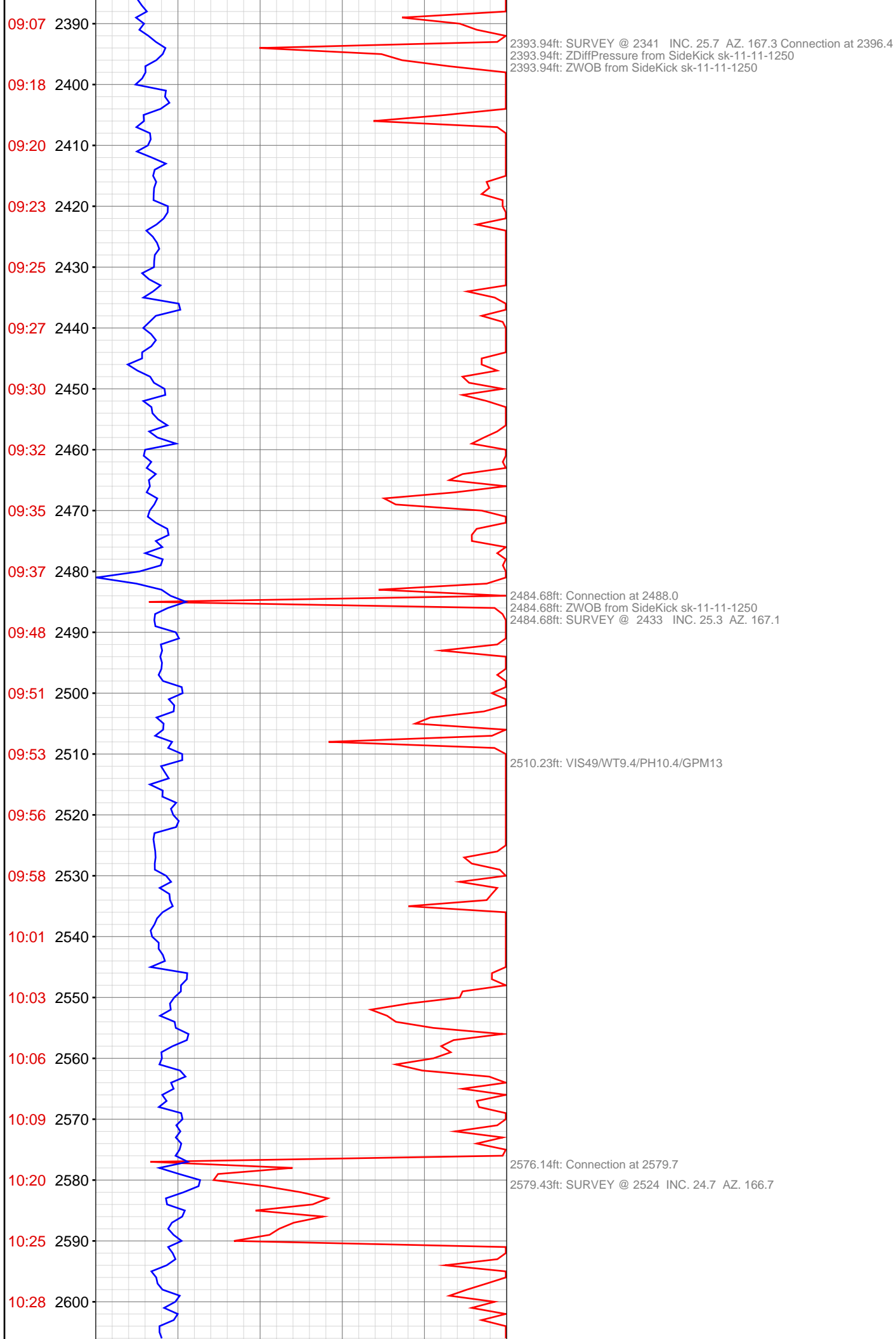


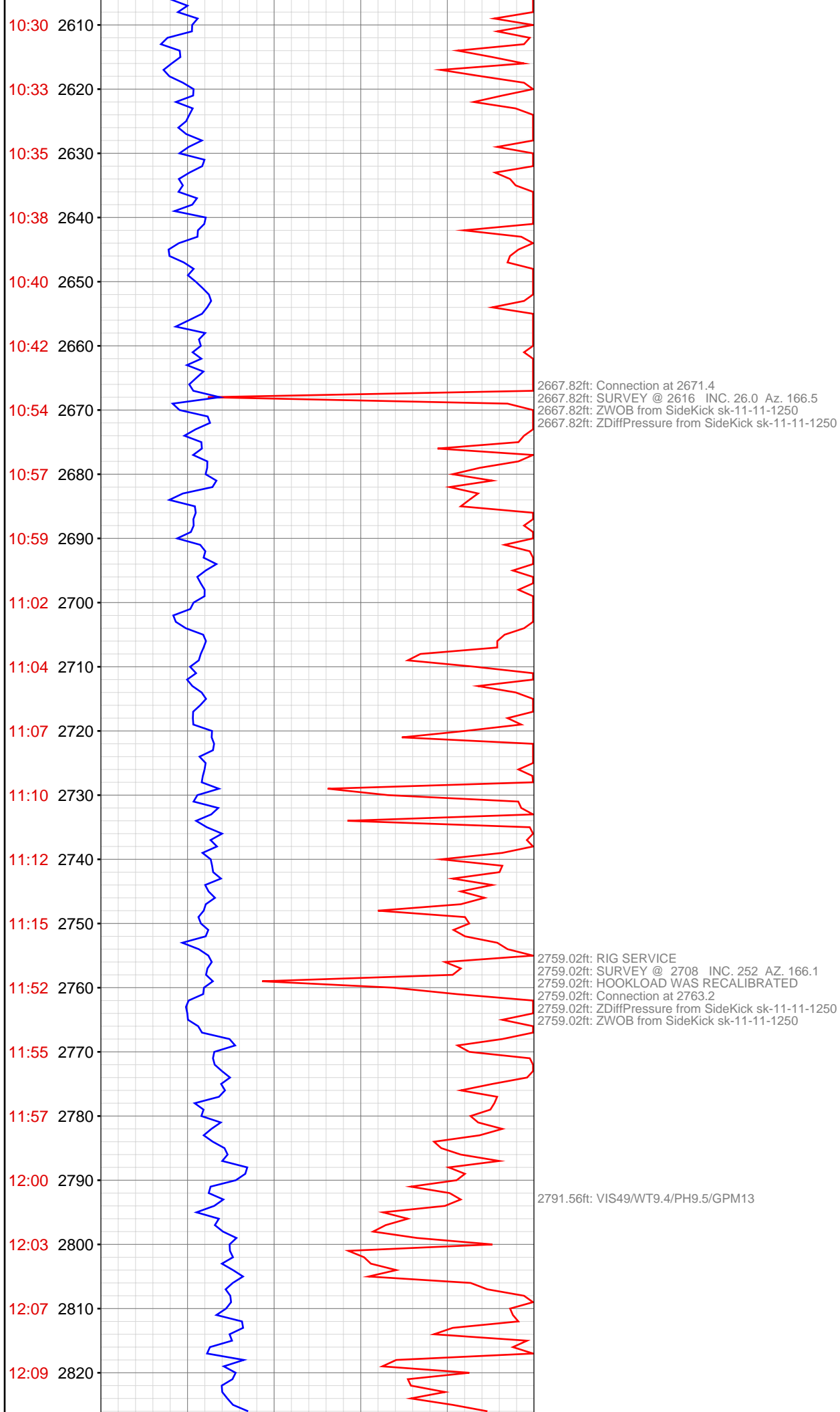


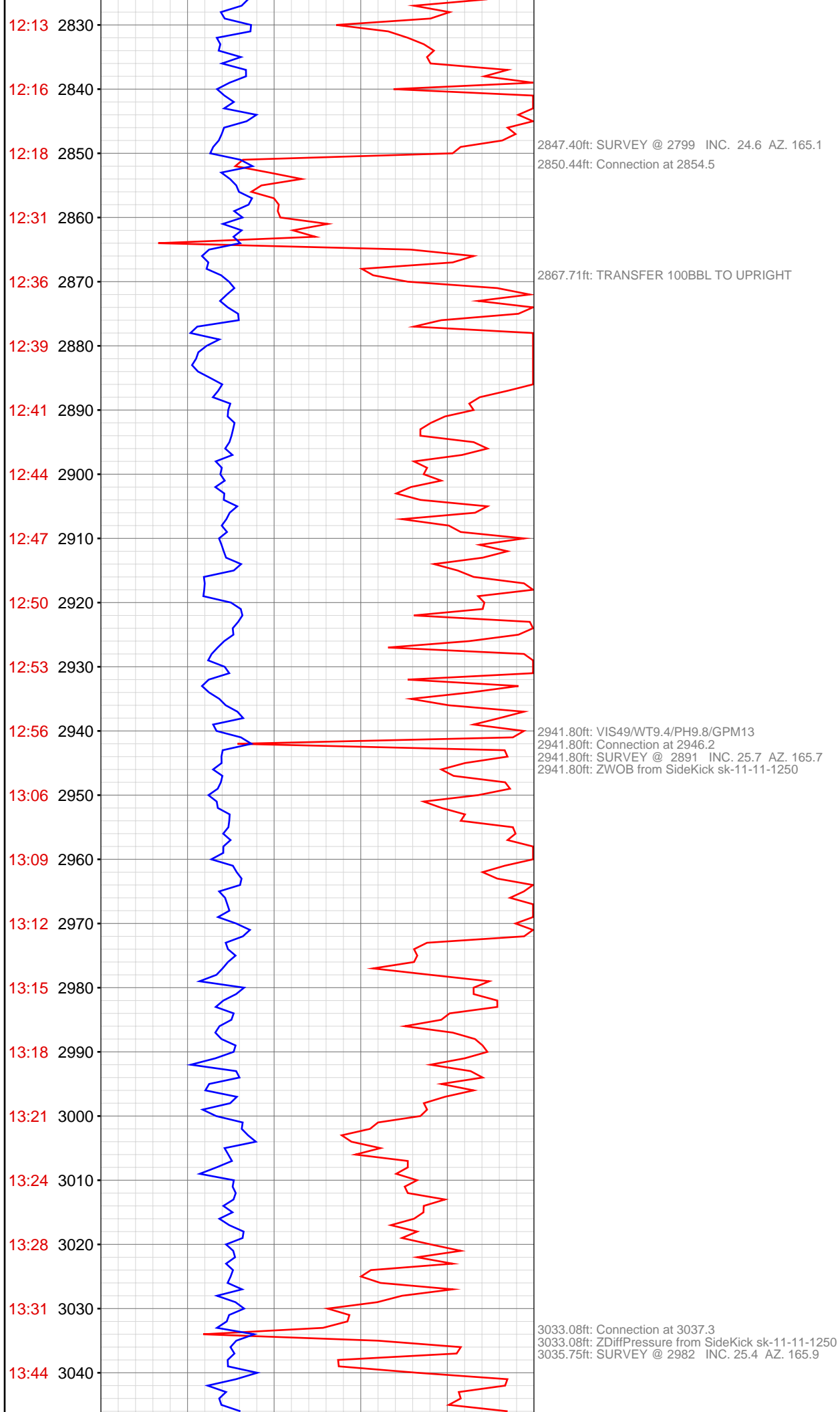


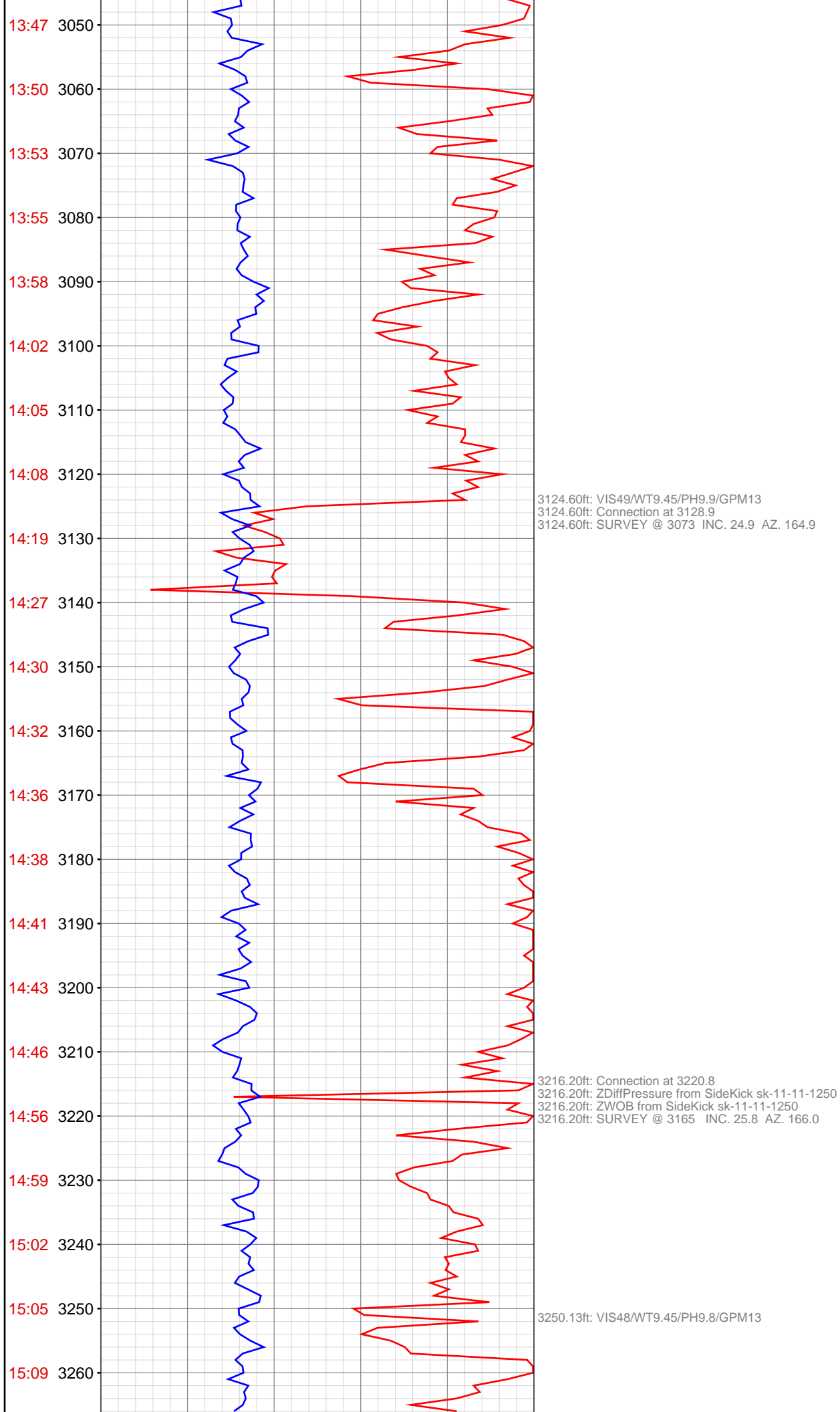


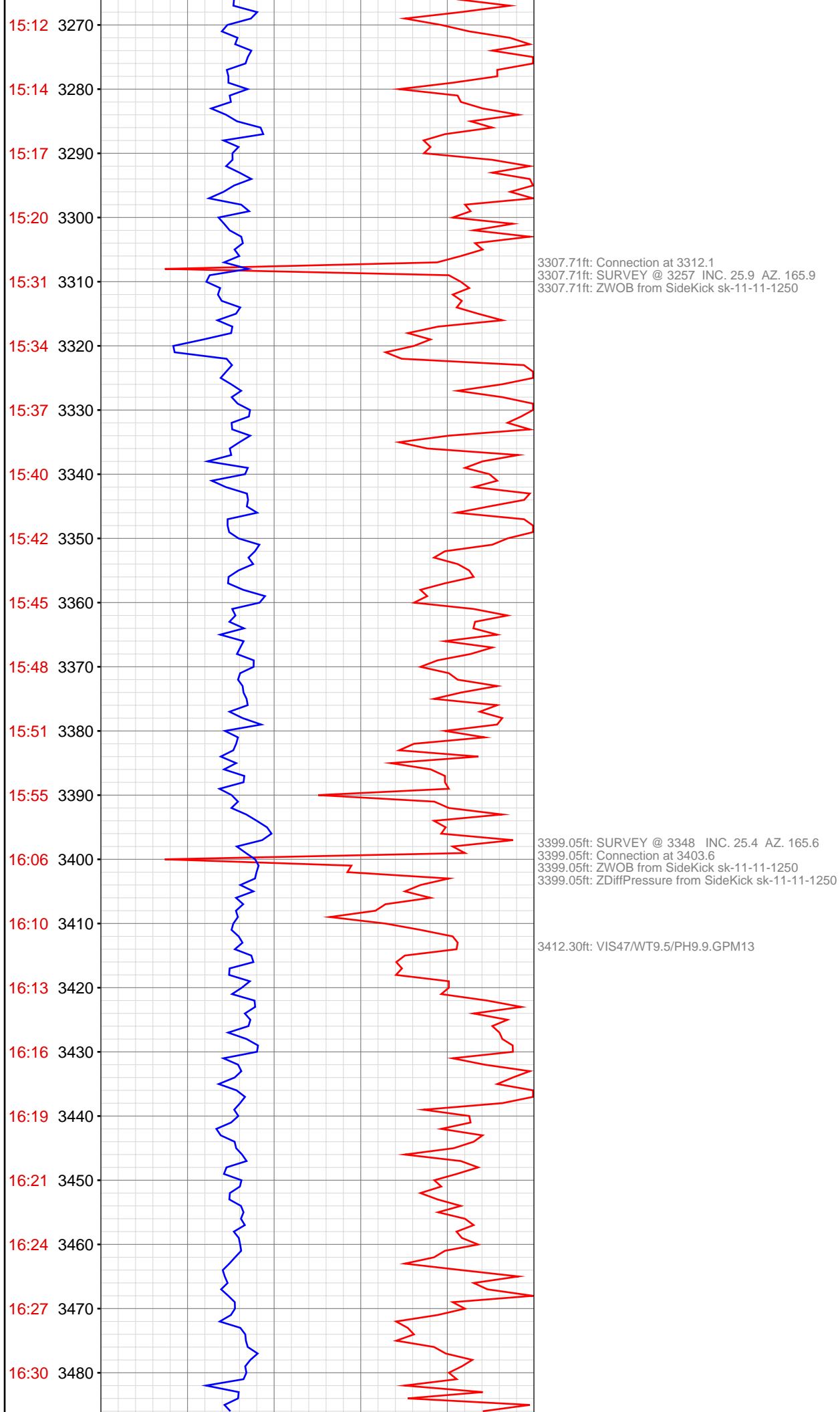


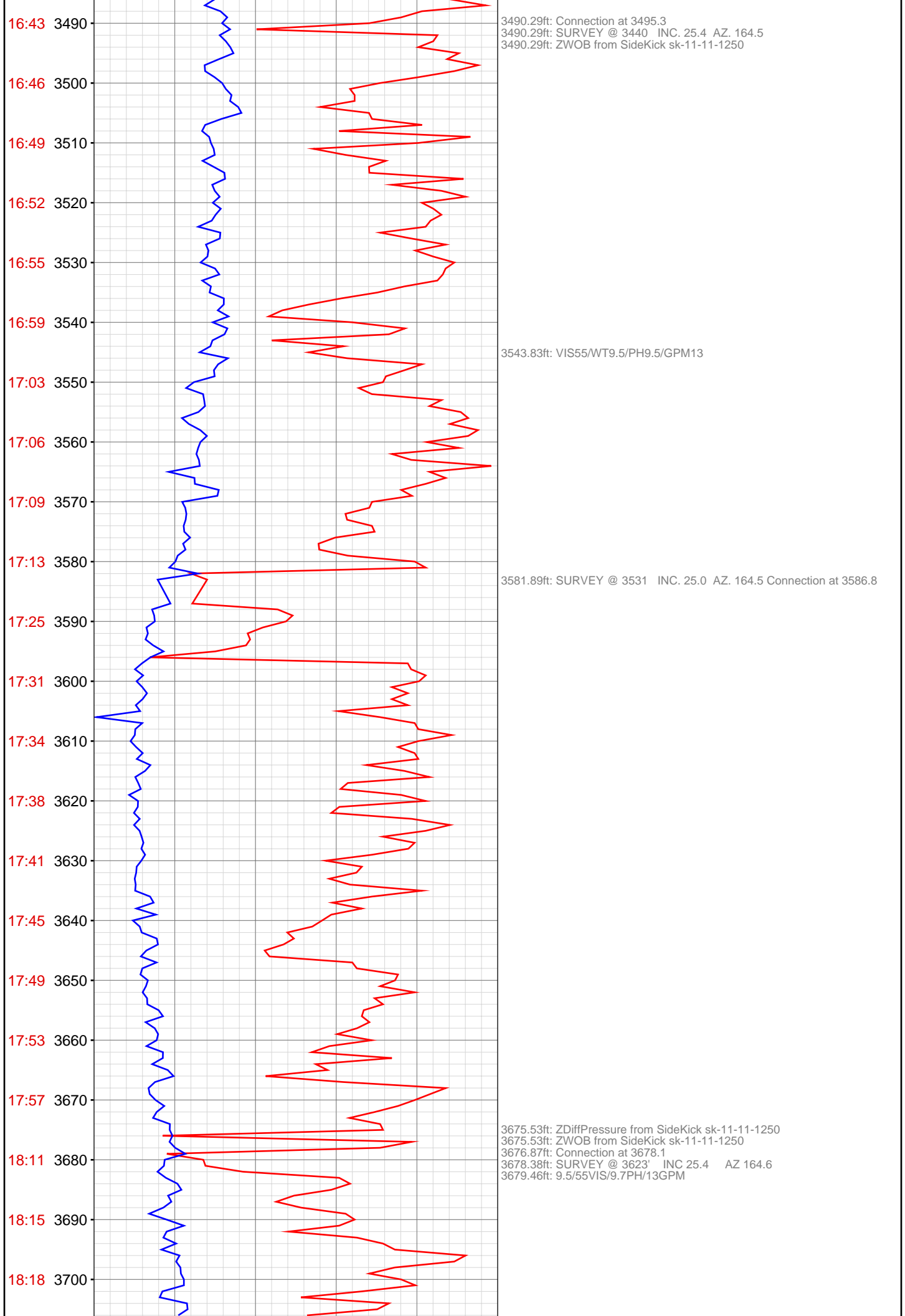


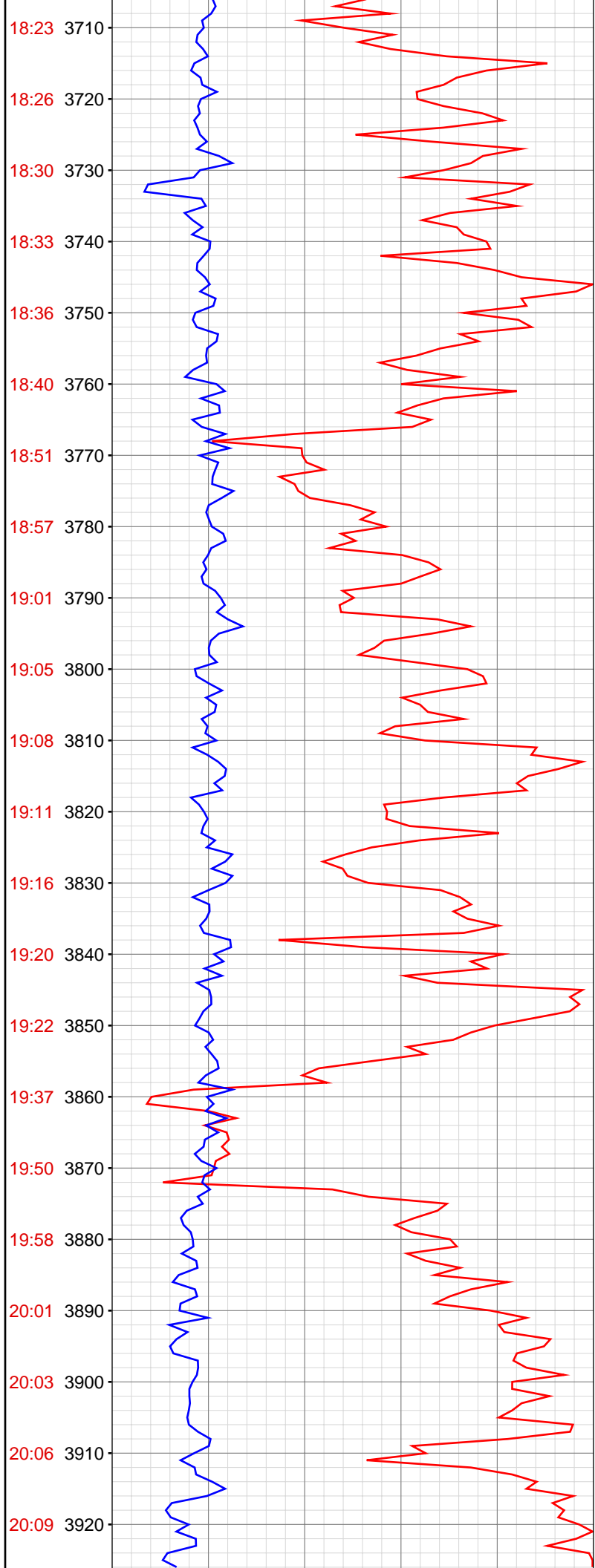












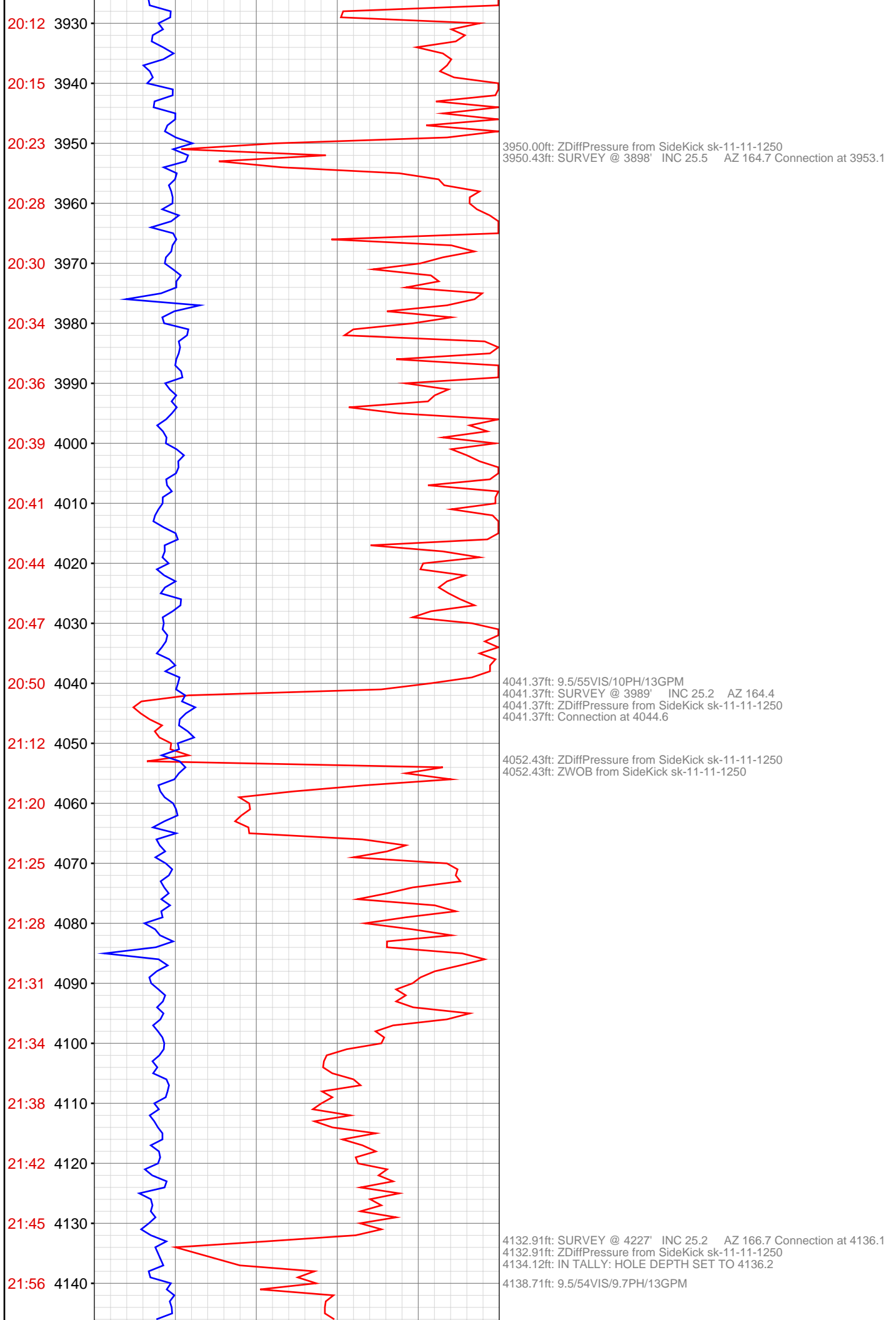
3766.90ft: ZWOB from SideKick sk-11-11-1250
3766.90ft: ZDiffPressure from SideKick sk-11-11-1250
3767.22ft: Connection at 3769.9
3773.00ft: SURVEY @ 3714' INC 25.2 AZ 164.8

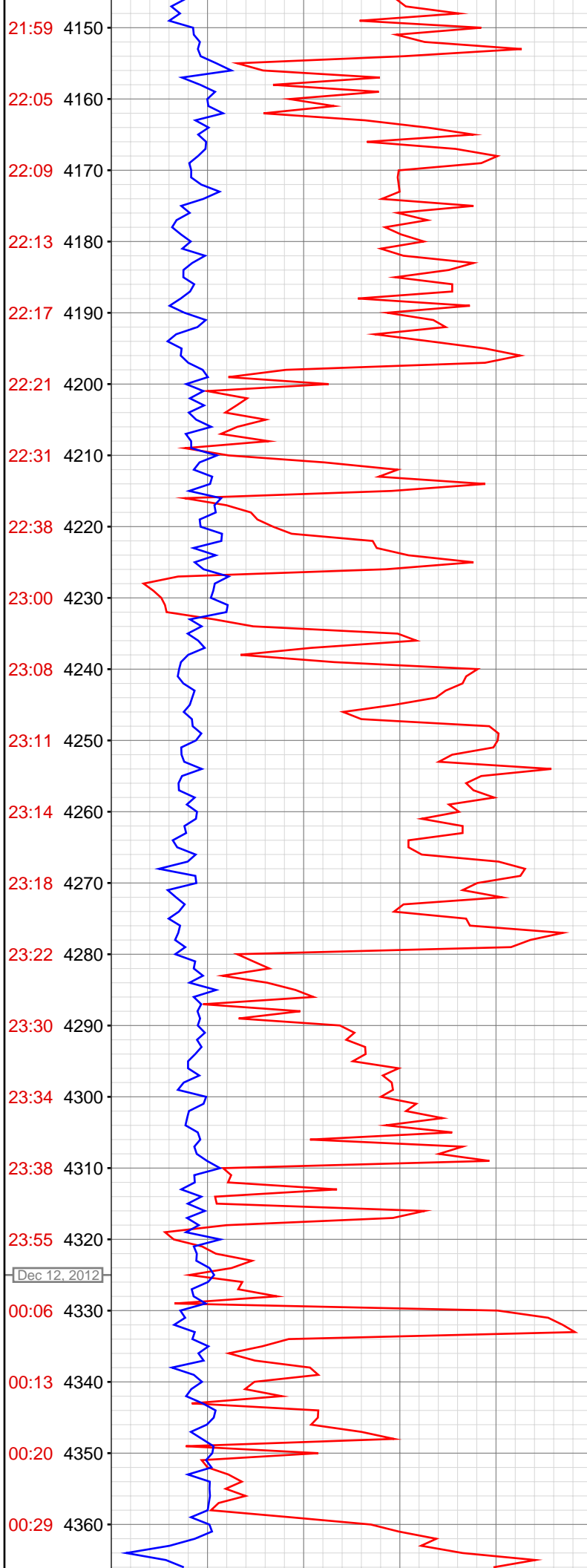
3785.30ft: 9.5/56VIS/9.6PH/13GPM

3820.34ft: PUMP OUT CELLAR

3858.60ft: Connection at 3861.6

3871.88ft: ZDiffPressure from SideKick sk-11-11-1250
3871.88ft: 9.5/50VIS/10PH/13GPM
3872.97ft: SURVEY @ 3806' INC 24.3 AZ 163.7

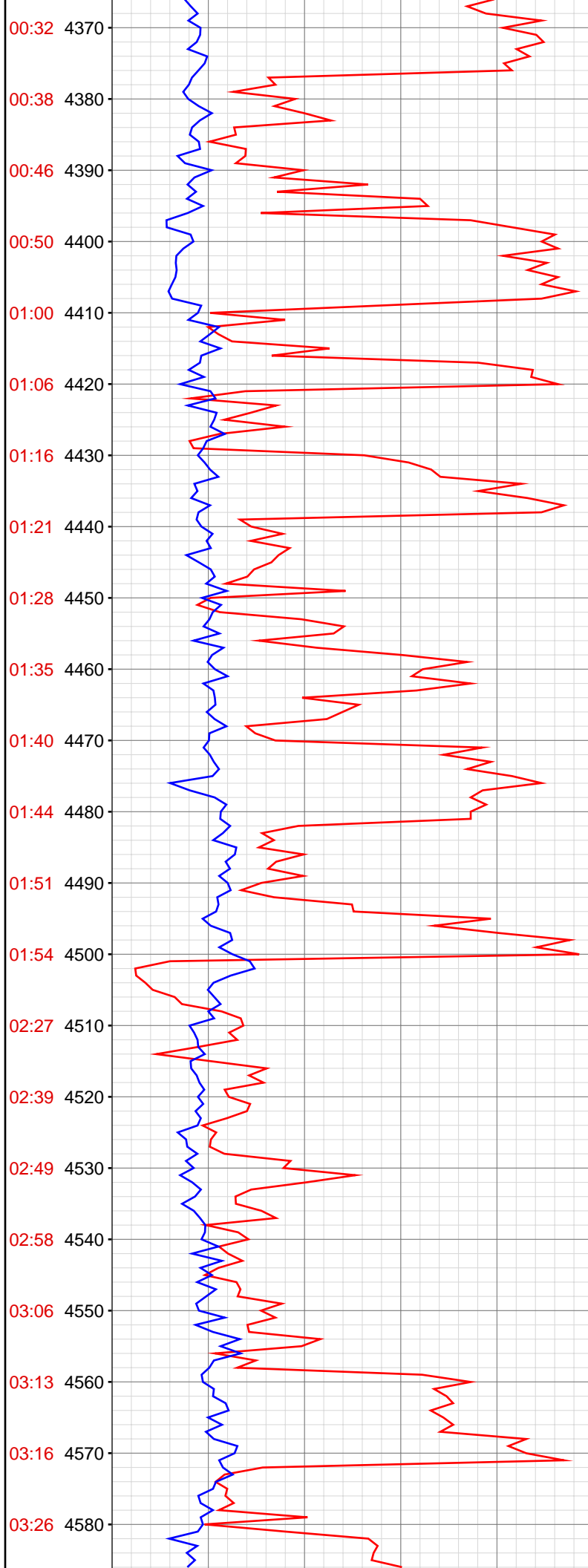




4226.31ft: ZWOB from SideKick sk-11-11-1250
4226.31ft: SURVEY @ 4172' INC 25.0 AZ 165.5
4226.31ft: Connection at 4227.8
4226.31ft: ZDiffPressure from SideKick sk-11-11-1250
4227.92ft: ZDiffPressure from SideKick sk-11-11-1250
4227.92ft: ZWOB from SideKick sk-11-11-1250
4230.61ft: 9.5/51VIS/9.8PH/13GPM

4317.65ft: SURVEY @ 4264' INC 25.0 AZ 164.8 Connection at 4319.4
4317.65ft: ZDiffPressure from SideKick sk-11-11-1250
4319.49ft: 9.5/51VIS/9.7PH/8GPM

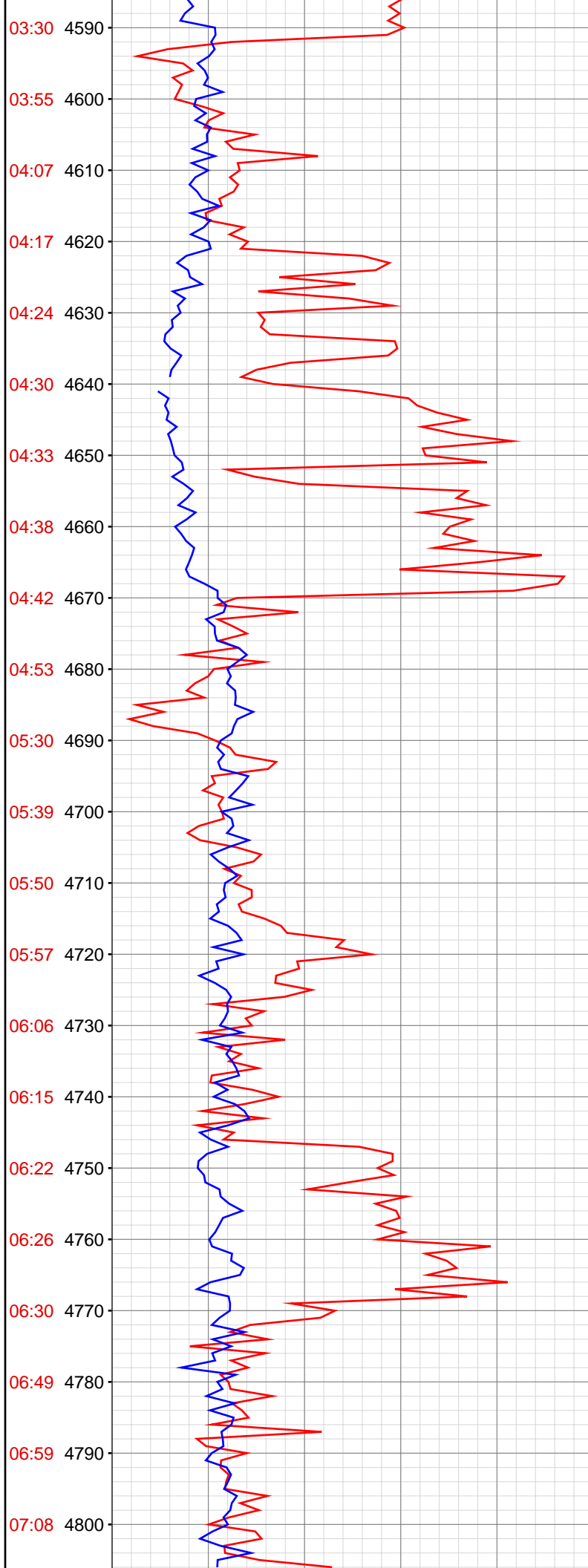
Dec 12, 2012



4408.99ft: 9.45/48VIS/9.8PH/8GPM
4408.99ft: SURVEY @ 4356' INC 24.6 AZ 168.3
4408.99ft: ZWOB from SideKick sk-11-11-1250
4409.32ft: Connection at 4411.2

4500.46ft: 9.5/54VIS/9.7PH/8GPM
4500.46ft: SURVEY @ 4447' INC 24.0 AZ 167.3
4500.46ft: ZWOB from SideKick sk-11-11-1250
4500.46ft: ZDiffPressure from SideKick sk-11-11-1250
4500.46ft: Connection at 4502.5
4502.62ft: ZWOB from SideKick sk-11-11-1250
4502.62ft: ZDiffPressure from SideKick sk-11-11-1250

4538.81ft: 9.5/51VIS/9.9PH/8GPM



4591.90ft: SURVEY @ 4539' INC 23.7 AZ 166.7
4591.90ft: Connection at 4594.2
4591.90ft: ZDiffPressure from SideKick sk-11-11-1250

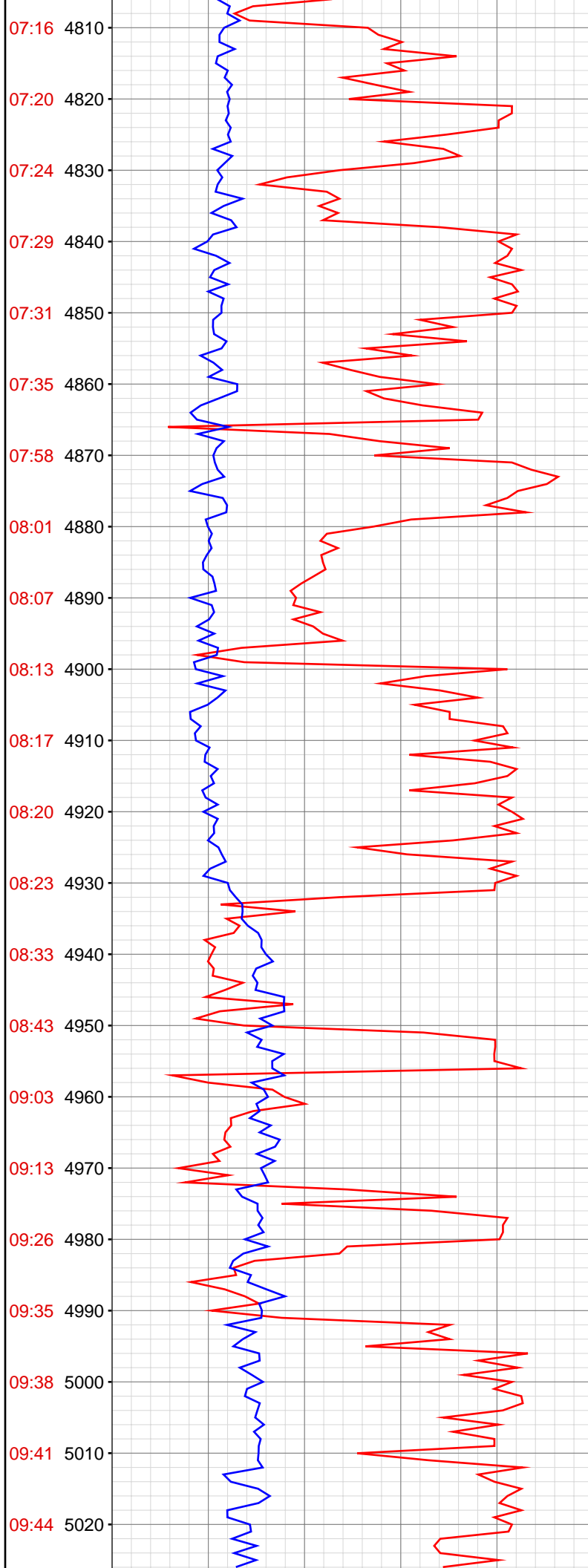
4603.35ft: ZDiffPressure from SideKick sk-11-11-1250
4603.35ft: ZWOB from SideKick sk-11-11-1250
4603.35ft: 9.5/ VIS 57.00/ PH 9.9/ 8GPM

4682.78ft: 9.5/49VIS/10PH/5GPM
4682.78ft: SURVEY @ 4630' INC 24.3 AZ 165.7
4682.78ft: Connection at 4685.6
4682.78ft: ZDiffPressure from SideKick sk-11-11-1250

4732.25ft: VIS48/WT9.5/PH9.8/GPM5

4774.11ft: SURVEY @ 4722' INC 24.4 AZ 165.2
4774.11ft: ZWOB from SideKick sk-11-11-1250
4774.11ft: ZDiffPressure from SideKick sk-11-11-1250
4774.11ft: Connection at 4777.3

4791.57ft: VIS48/WT9.5/PH9.8/GPM5

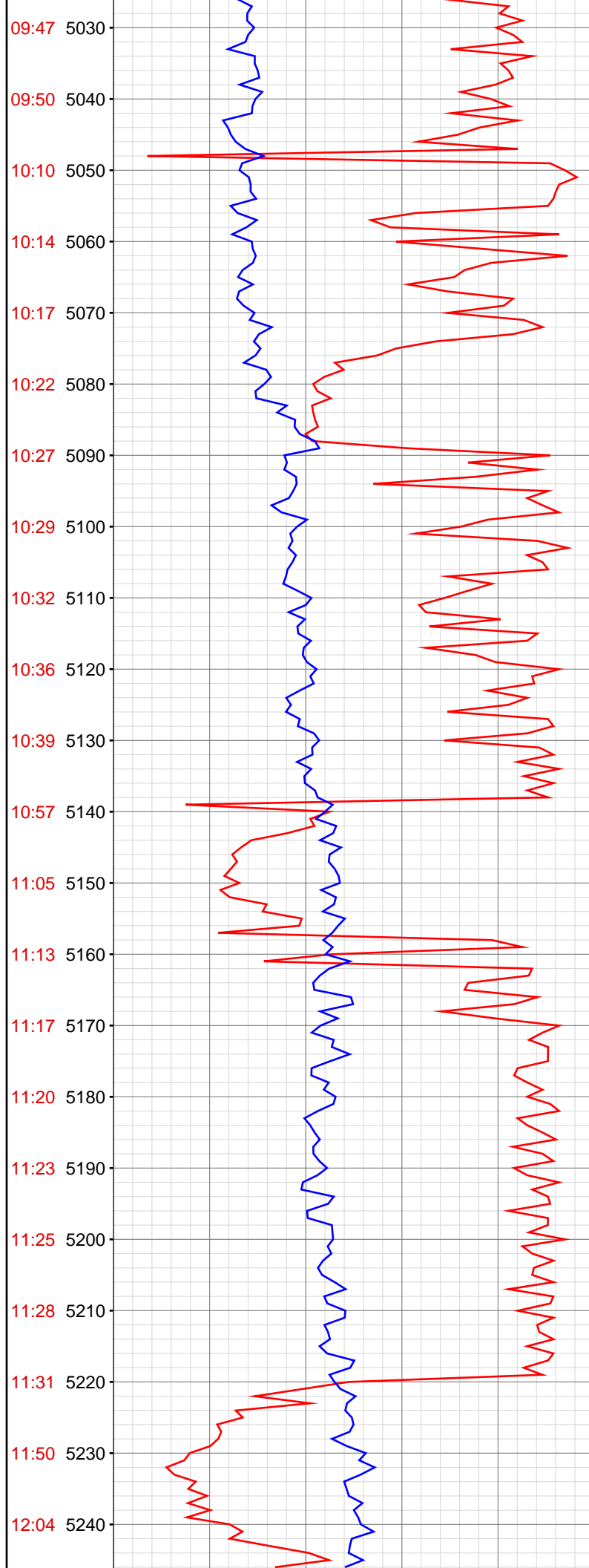


4865.62ft: SURVEY @ 4813 INC. 24.5 AZ. 165.4
4865.62ft: ZWOB from SideKick sk-11-11-1250
4865.62ft: Connection at 4868.7

4883.30ft: VIS47/WT9.45/PH9.6/GPM5

4956.53ft: SURVEY @ 4905 INC. 24.0 AZ. 164.1
4956.53ft: Connection at 4960.7
4956.53ft: ZDiffPressure from SideKick sk-11-11-1250

4971.49ft: ZDiffPressure from SideKick sk-11-11-1250
4971.49ft: ZWOB from SideKick sk-11-11-1250



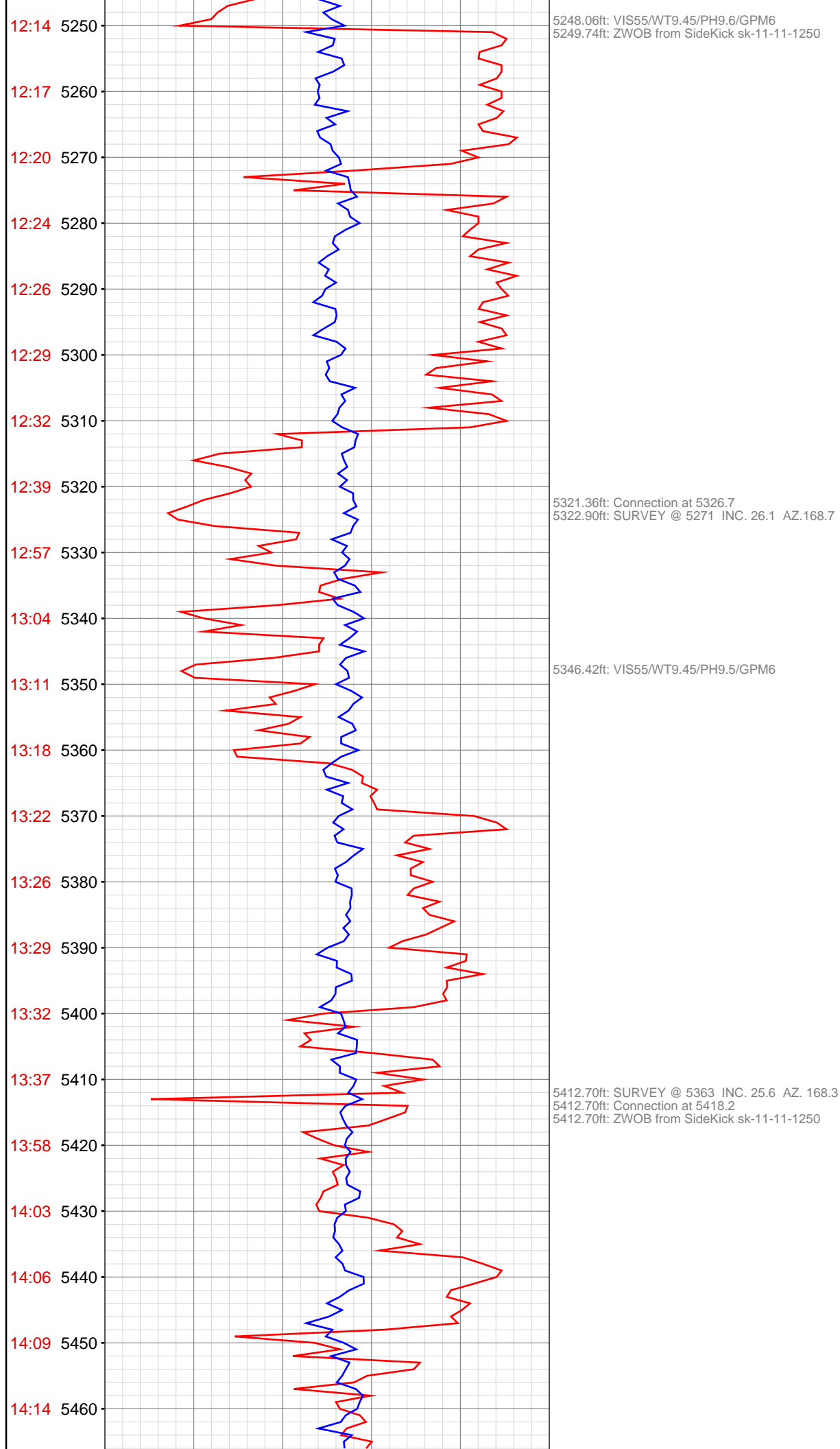
5034.35ft: VIS55/WT9.45/PH9.4/GPM5

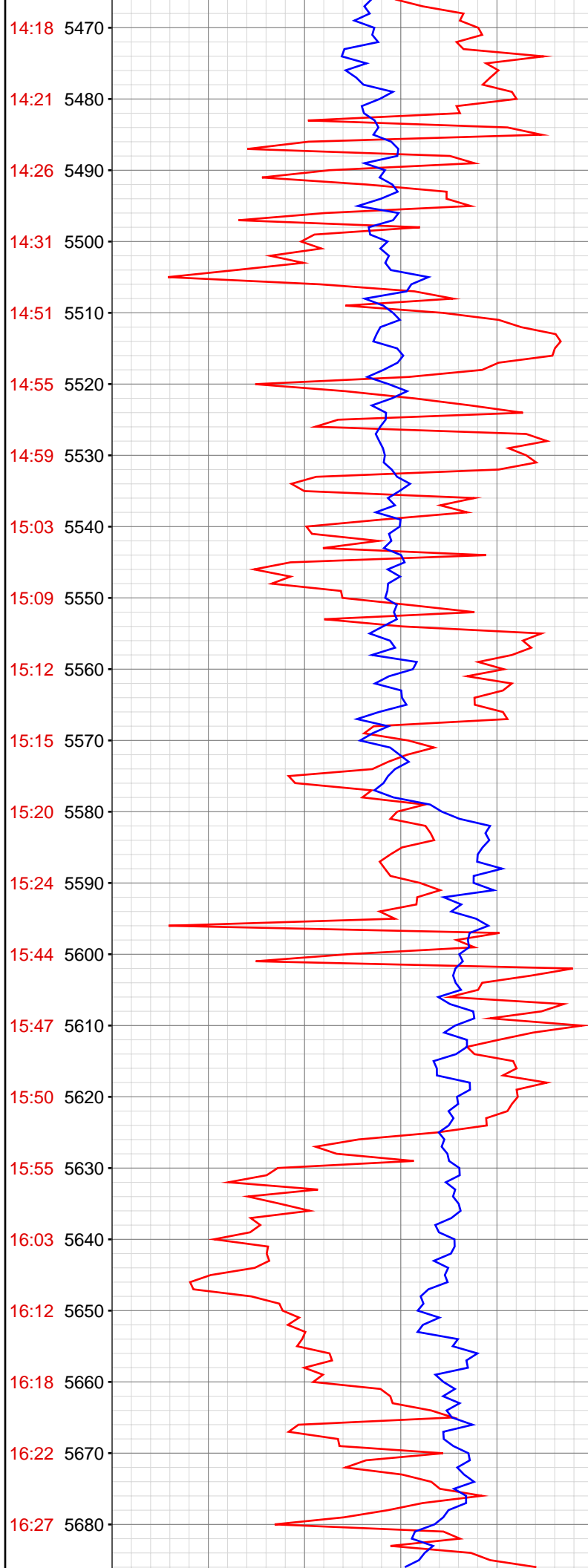
5047.61ft: SURVEY @ 4997 INC. 25.0 AZ. 165.2
5047.61ft: Connection at 5052.2
5047.61ft: ZDiffPressure from SideKick sk-11-11-1250

5138.68ft: Connection at 5143.6
5138.68ft: SURVEY @ 5088 INC. 24.1 AZ. 165.4
5138.68ft: MUD VIS 53.00
5138.68ft: MUD WEIGHT 9.45
5138.68ft: MUD PH 9.50

5156.99ft: ZWOB from SideKick sk-11-11-1250

5230.54ft: Connection at 5235.2
5231.92ft: SURVEY @ 5180 INC. 24.9 AZ. 165.5





5504.43ft: Connection at 5509.8
5504.43ft: SURVEY @ 544 INC. 25.2 AZ. 167.0

5595.67ft: Connection at 5601.8
5595.67ft: SURVEY @ 5546 INC. 24.1 AZ. 166.8
5595.67ft: ZWOB from SideKick sk-11-11-1250

5636.68ft: VIS48/WT9.5/PH9.5/GPM6

5687.30ft: RIG SERVICE
5687.30ft: Connection at 5693.3
5688.62ft: SURVEY @ 5638 INC. 22.3 AZ. 165.9
5690.85ft: VIS47/WT9.5/PH9.5/GPM6

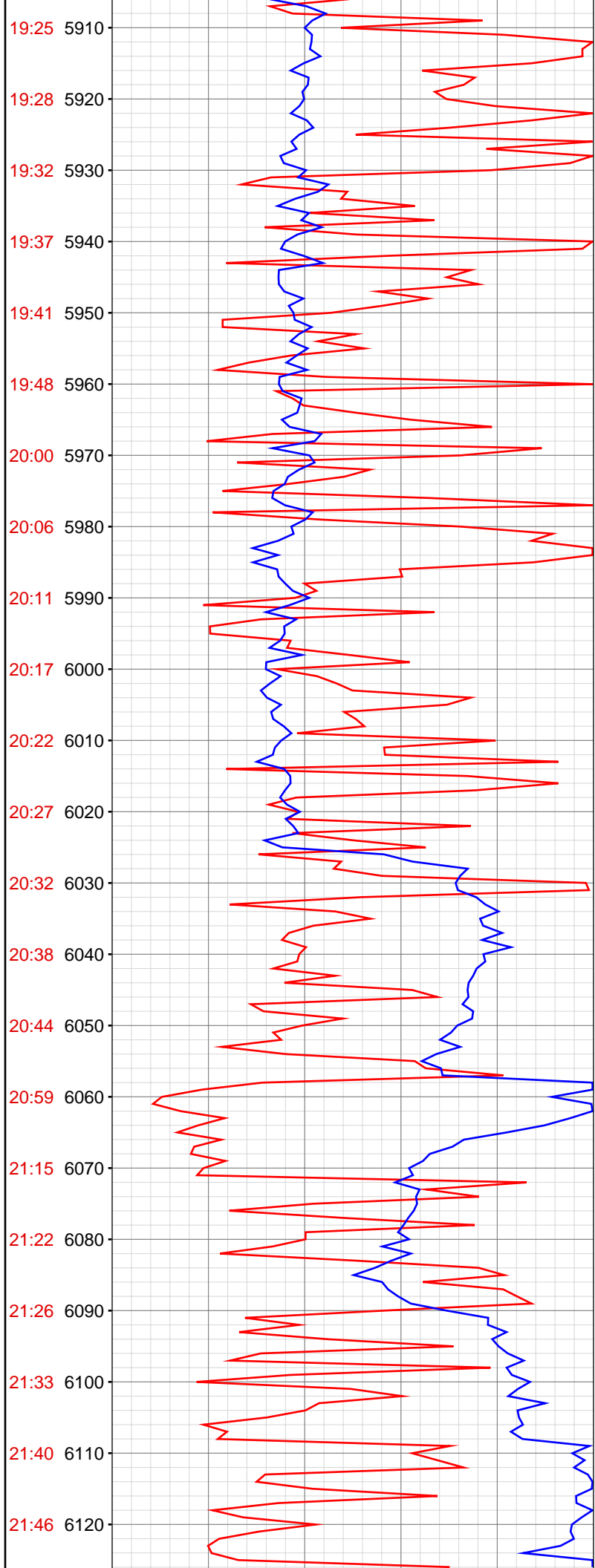
5778.77ft: SURVEY @ 5730' INC 22.2 AZ 167.2
5779.36ft: Connection at 5785.3
5780.22ft: IN TALLY: HOLE DEPTH SET TO 5785.3

5787.17ft: 9.5/48VIS/9.5PH/6GPM

5850.43ft: PUMP OUT CELLAR

5856.69ft: 9.5/49VIS/10PH/6GPM

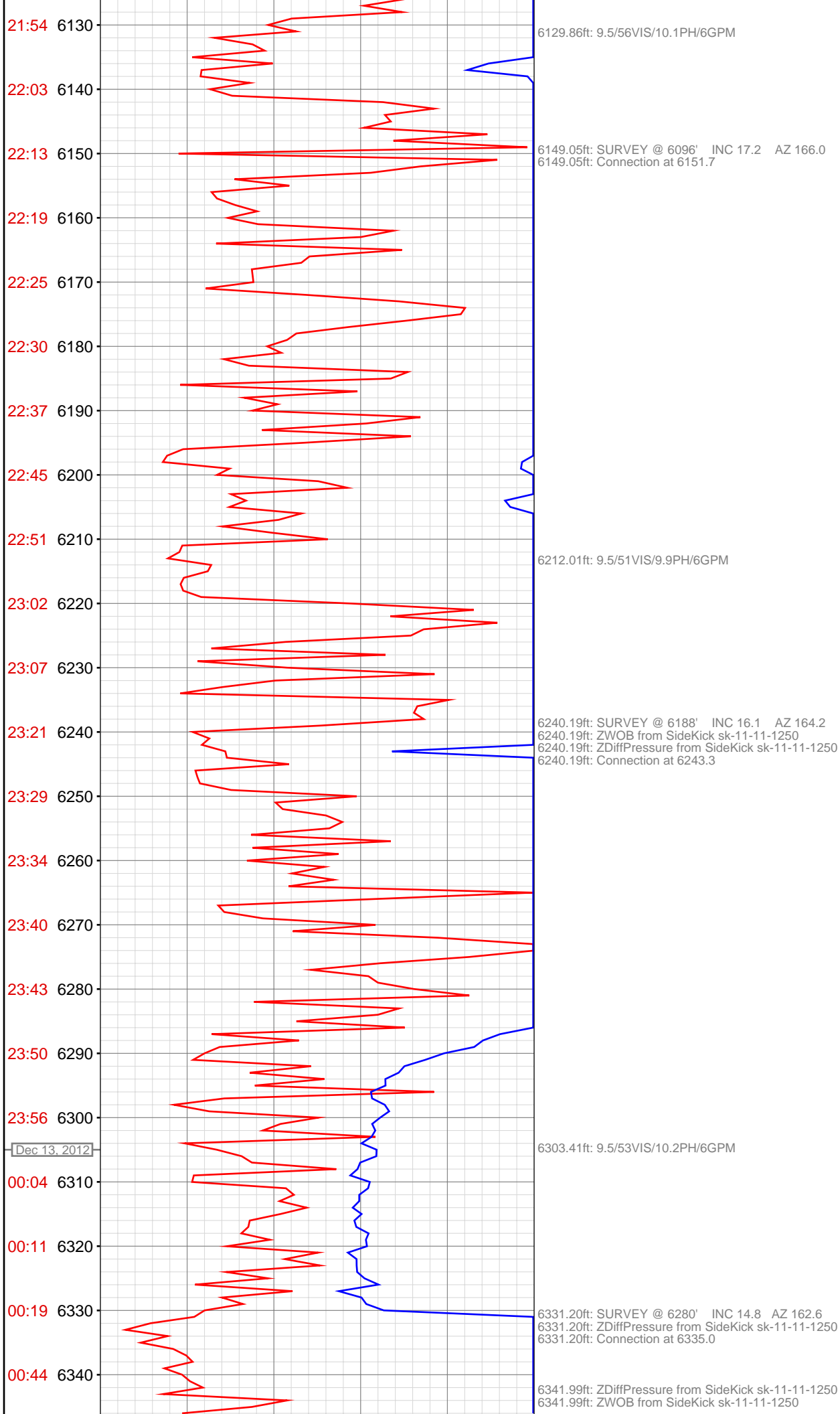
5874.74ft: SURVEY @ 5822' INC 21.2 AZ 167.5
5874.74ft: ZDiffPressure from SideKick sk-11-11-1250
5874.87ft: Connection at 5877.0

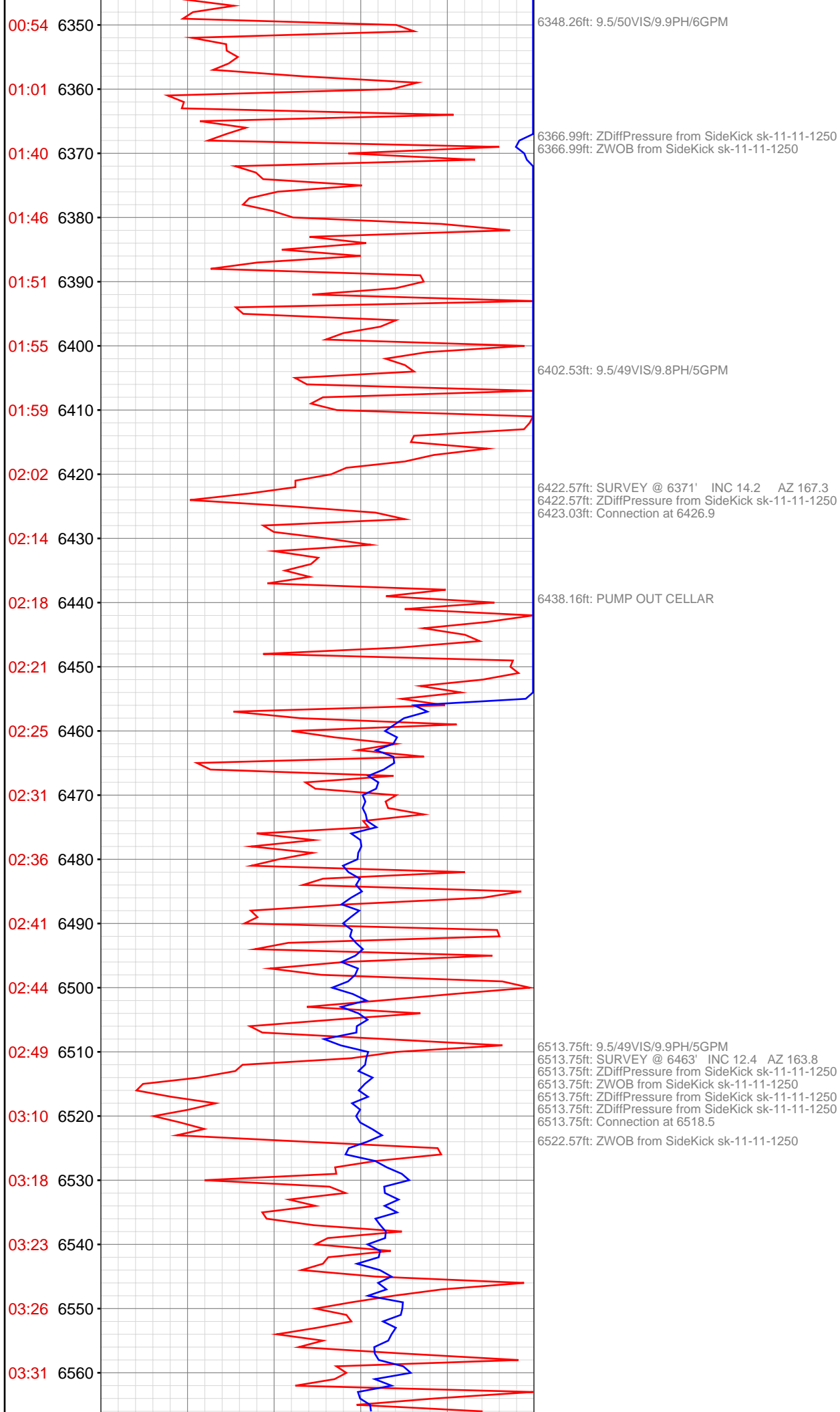


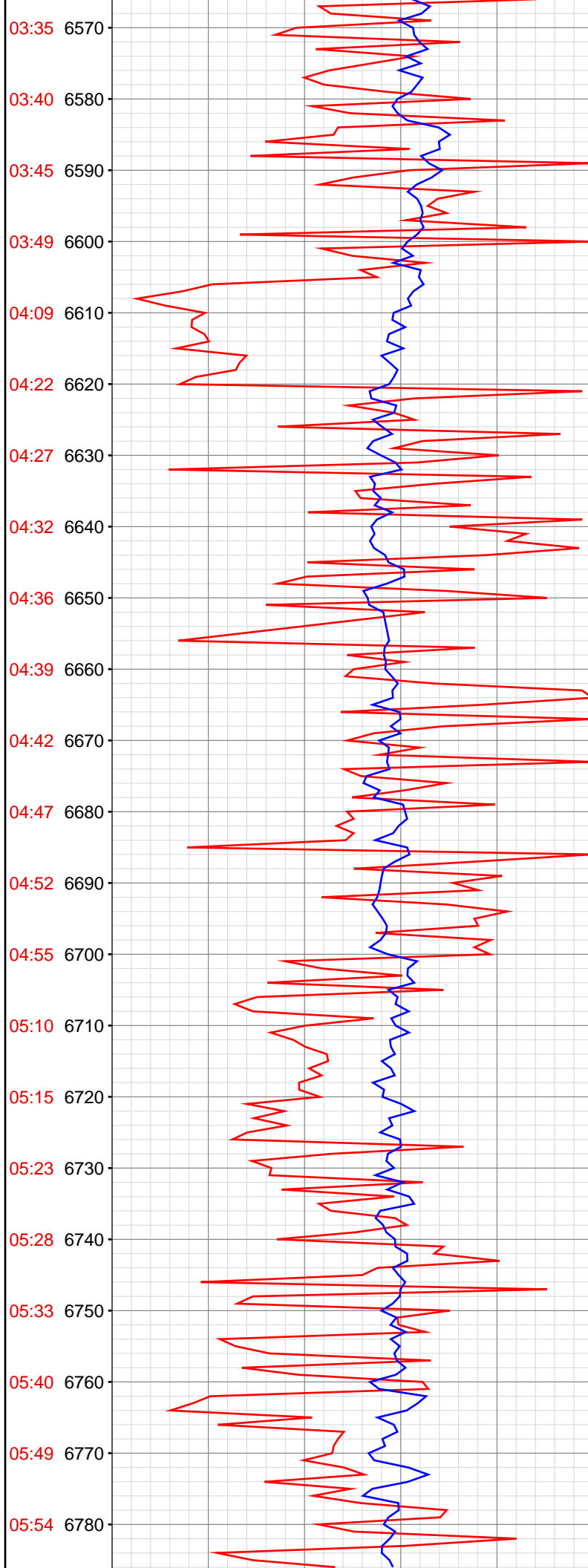
5966.11ft: 9.5/48VIS/9.7PH/6GPM
5966.11ft: ZDiffPressure from SideKick sk-11-11-1250
5966.11ft: ZWOB from SideKick sk-11-11-1250
5966.11ft: ZDiffPressure from SideKick sk-11-11-1250
5966.11ft: Connection at 5968.4
5971.13ft: SURVEY @ 5913' INC 19.4 AZ 167.6

6057.64ft: SURVEY @ 6004' INC 17.4 AZ 166.0
6057.64ft: 9.5/50VIS/9.9PH/6GPM
6057.64ft: ZDiffPressure from SideKick sk-11-11-1250
6057.64ft: Connection at 6059.9

6069.95ft: ZDiffPressure from SideKick sk-11-11-1250
6069.95ft: ZWOB from SideKick sk-11-11-1250



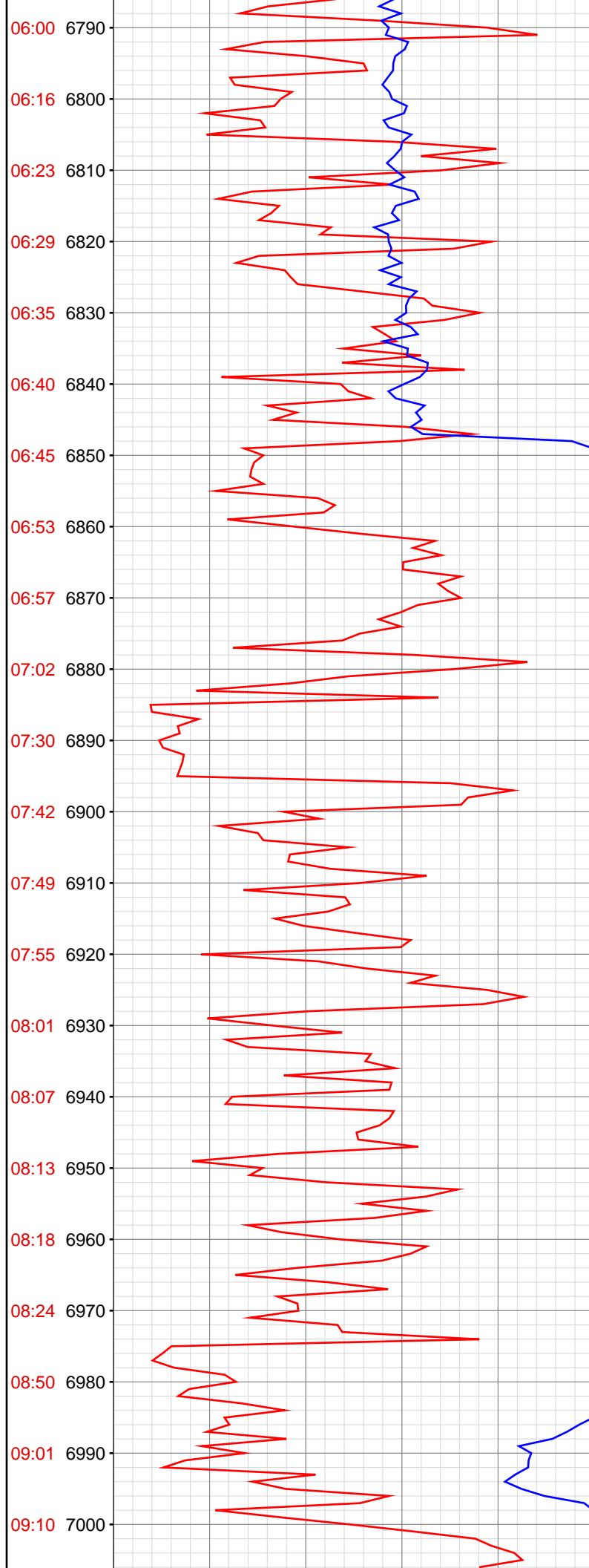




6605.48ft: SURVEY @ 6555' INC 10.9 AZ 161.4
6605.48ft: Connection at 6610.2
6605.48ft: ZDiffPressure from SideKick sk-11-11-1250
6605.58ft: 9.5/47VIS/9.8PH/5GPM

6652.20ft: IN TALLY: HOLE DEPTH SET TO 6655.9

6700.53ft: 9.5/47VIS/9.6PH/5GPM
6700.53ft: SURVEY @ 6646' INC 10.4 AZ 169.3
6700.53ft: ZWOB from SideKick sk-11-11-1250
6700.53ft: Connection at 6701.7



6791.63ft: VIS47/WT9.5/PH9.7/GPM5 SURVEY @ 6738' INC 9.2 AZ 165.2
6791.63ft: ZWOB from SideKick sk-11-11-1250
6791.63ft: ZDiffPressure from SideKick sk-11-11-1250
6791.63ft: Connection at 6793.4

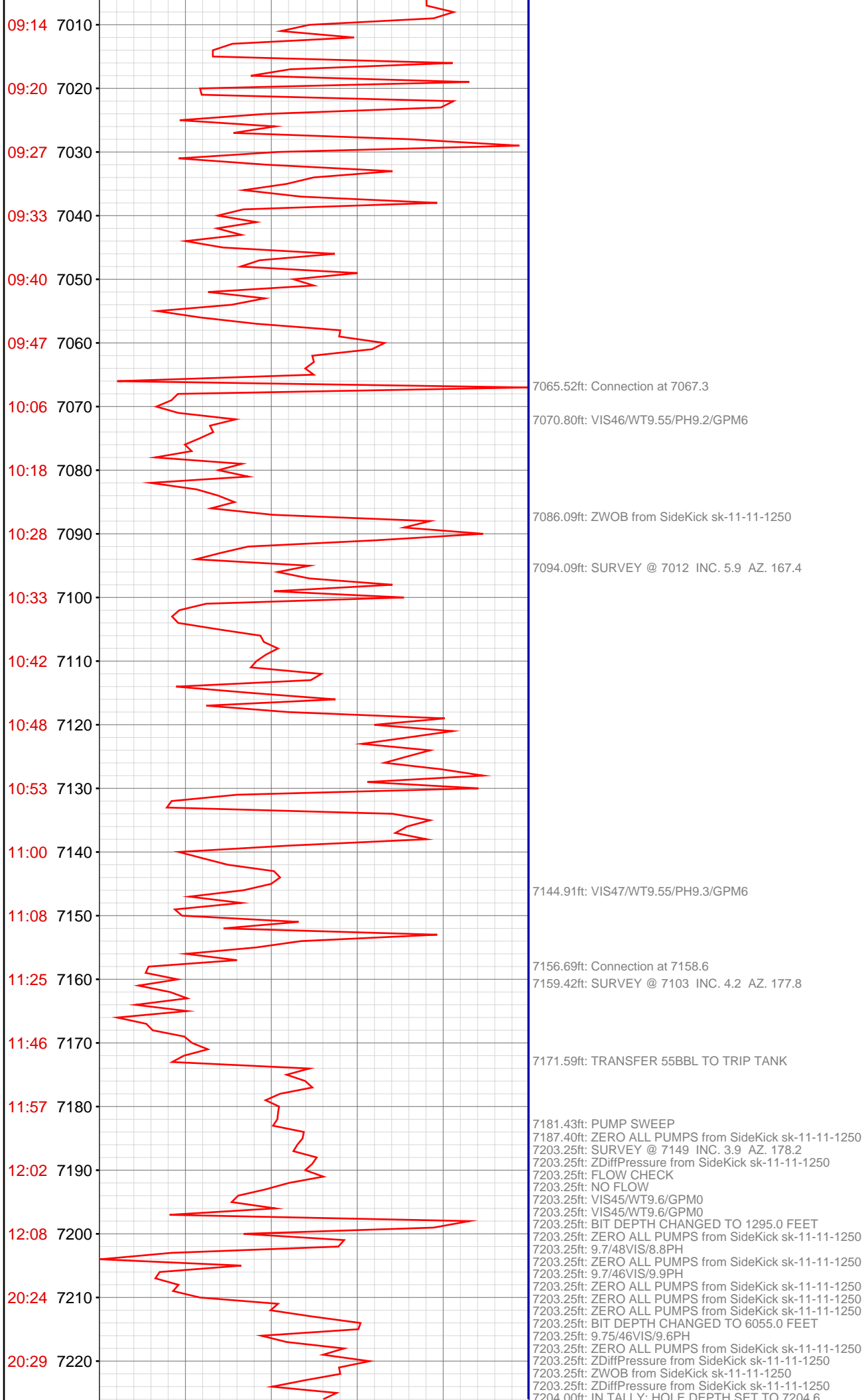
6880.12ft: VIS48/WT9.5/PH9.8/GPM5
6882.81ft: Connection at 6884.5
6883.83ft: SURVEY @ 6829 INC. 8.3 AZ. 162.2

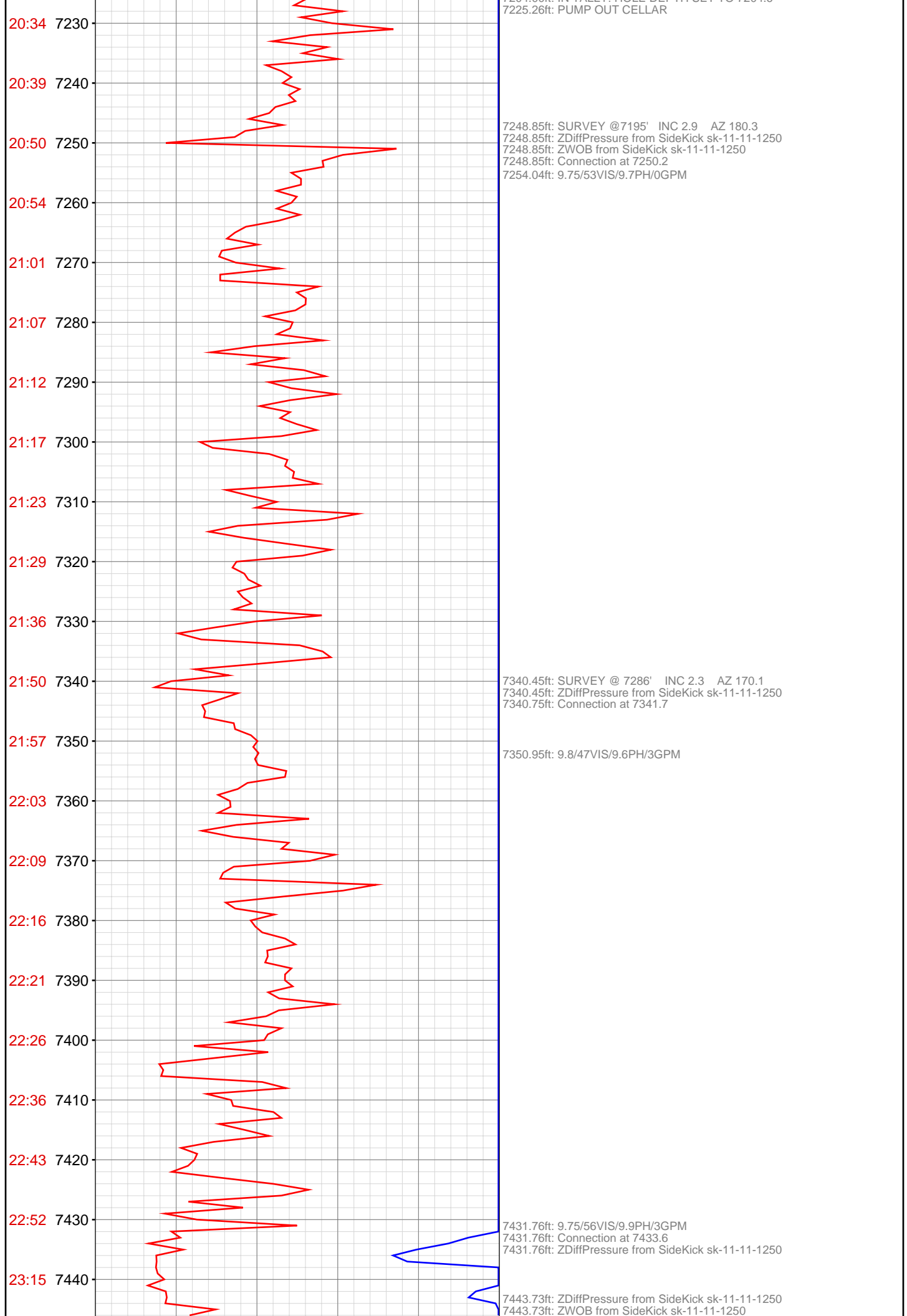
6894.62ft: ZDiffPressure from SideKick sk-11-11-1250
6894.62ft: ZWOB from SideKick sk-11-11-1250

6926.51ft: VIS47.WT9.5/PH9.5/GPM5

6974.08ft: Connection at 6975.9
6974.08ft: SURVEY @ 6920 INC. 7.3 AZ. 165.8

6988.55ft: VIS47/WT9.55/PH9.4/GPM6





7444.19ft: SURVEY @ 7378' INC 2.4 AZ 159.1

23:27 7450

23:34 7460

23:40 7470

23:45 7480

23:51 7490

23:57 7500

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00:03 7510

00:09 7520

00:21 7530

00:26 7540

00:31 7550

00:37 7560

00:41 7570

00:46 7580

00:51 7590

00:57 7600

01:02 7610

01:22 7620

01:35 7630

01:43 7640

01:50 7650

01:56 7660

7499.74ft: 9.75/56VIS/9.7PH/3GPM

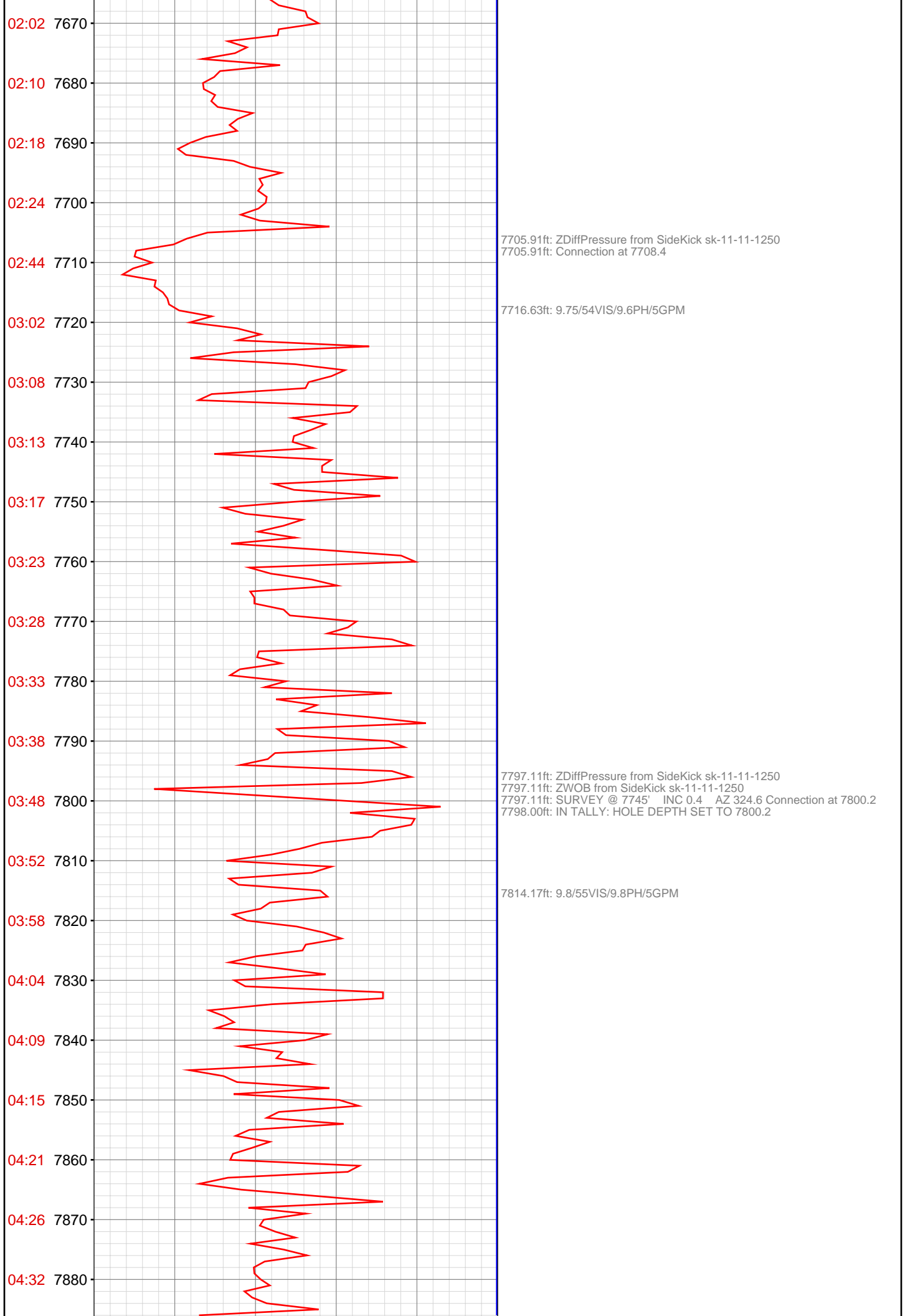
7523.13ft: SURVEY @ 7470' INC 1.1 AZ 167.9
7523.13ft: Connection at 7525.2
7523.13ft: ZDiffPressure from SideKick sk-11-11-1250

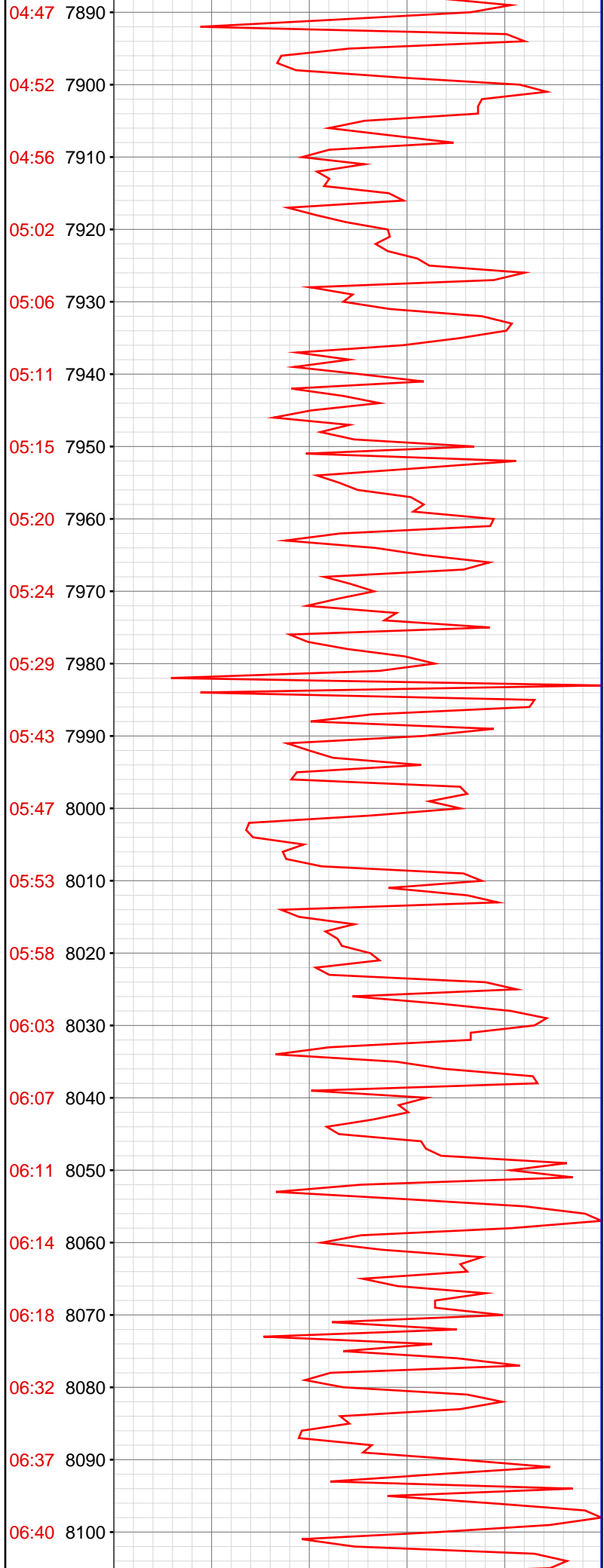
7596.62ft: 9.75/55VIS/10PH/3GPM

7614.21ft: SURVEY @ 7561' INC 1.4 AZ 140.1
7614.21ft: Connection at 7616.8
7614.21ft: ZDiffPressure from SideKick sk-11-11-1250

7632.02ft: ZDiffPressure from SideKick sk-11-11-1250
7632.02ft: ZWOB from SideKick sk-11-11-1250

7659.51ft: 9.75/57VIS/9.7PH/3GPM





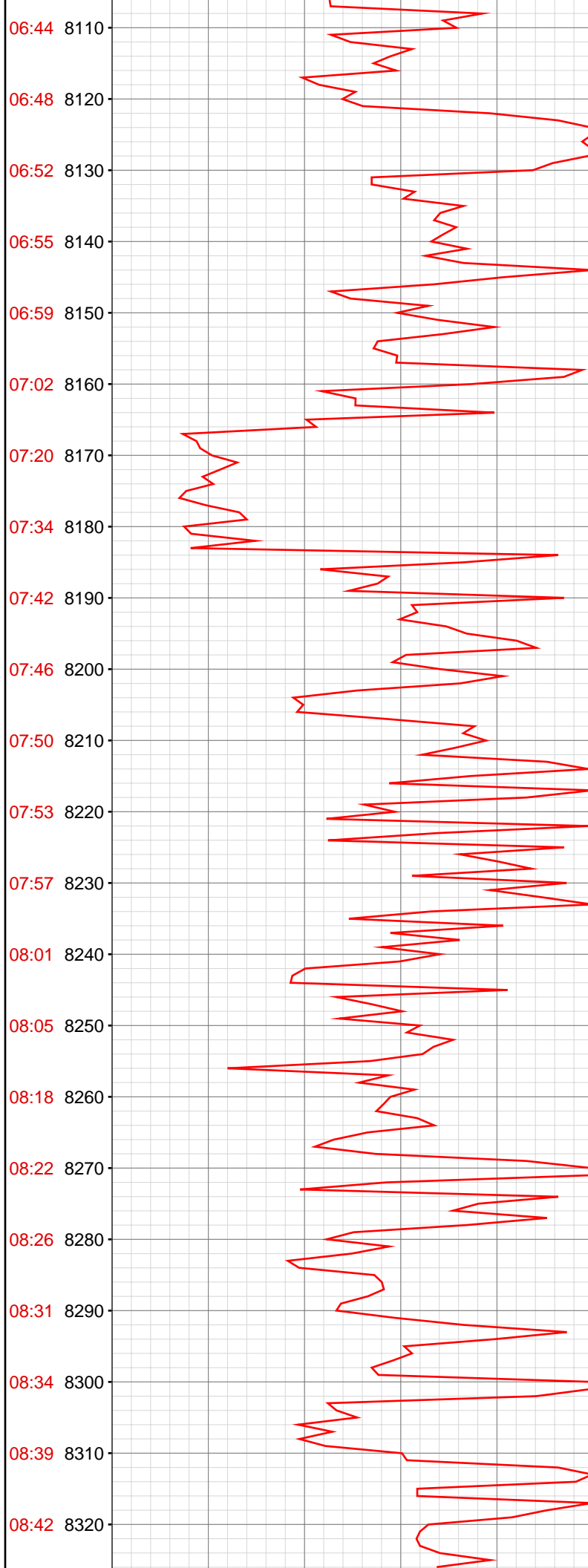
7890.26ft: SURVEY @ 7837' INC 0.9 AZ 44.7
7890.26ft: Connection at 7892.1
7890.26ft: ZDiffPressure from SideKick sk-11-11-1250

7910.33ft: 9.8/54VIS/9.6PH/5GPM

7981.79ft: SURVEY @ 7928' INC 1.2 AZ 44.0
7981.79ft: Connection at 7983.9
7981.79ft: ZDiffPressure from SideKick sk-11-11-1250

8046.79ft: VIS53/WT9.8/PH9.5/GPM5

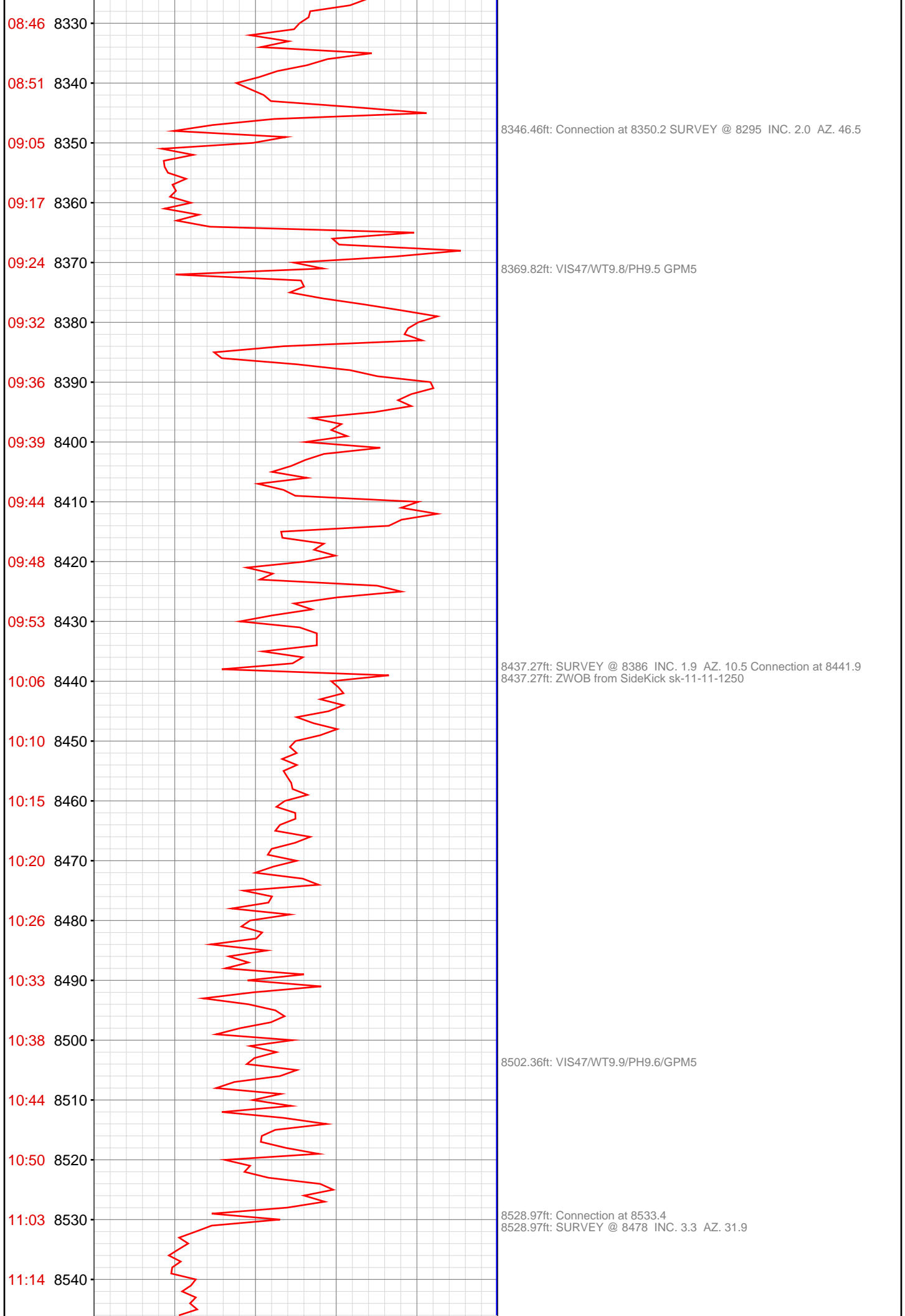
8072.77ft: Connection at 8075.6
8072.77ft: ZWOB from SideKick sk-11-11-1250
8072.77ft: ZDiffPressure from SideKick sk-11-11-1250
8072.77ft: SURVEY @ 8020 INC. 1.5 AZ. 48.3

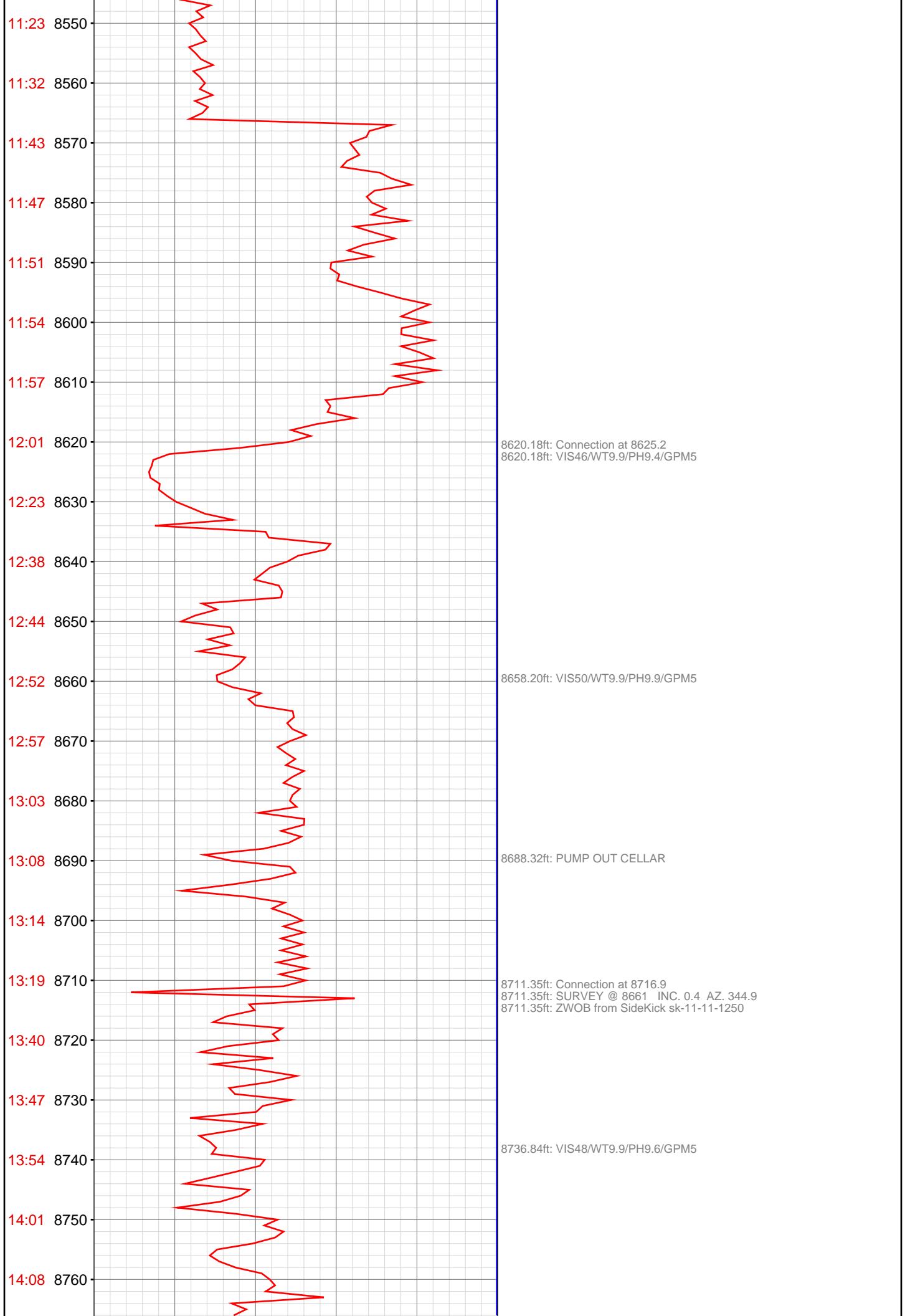


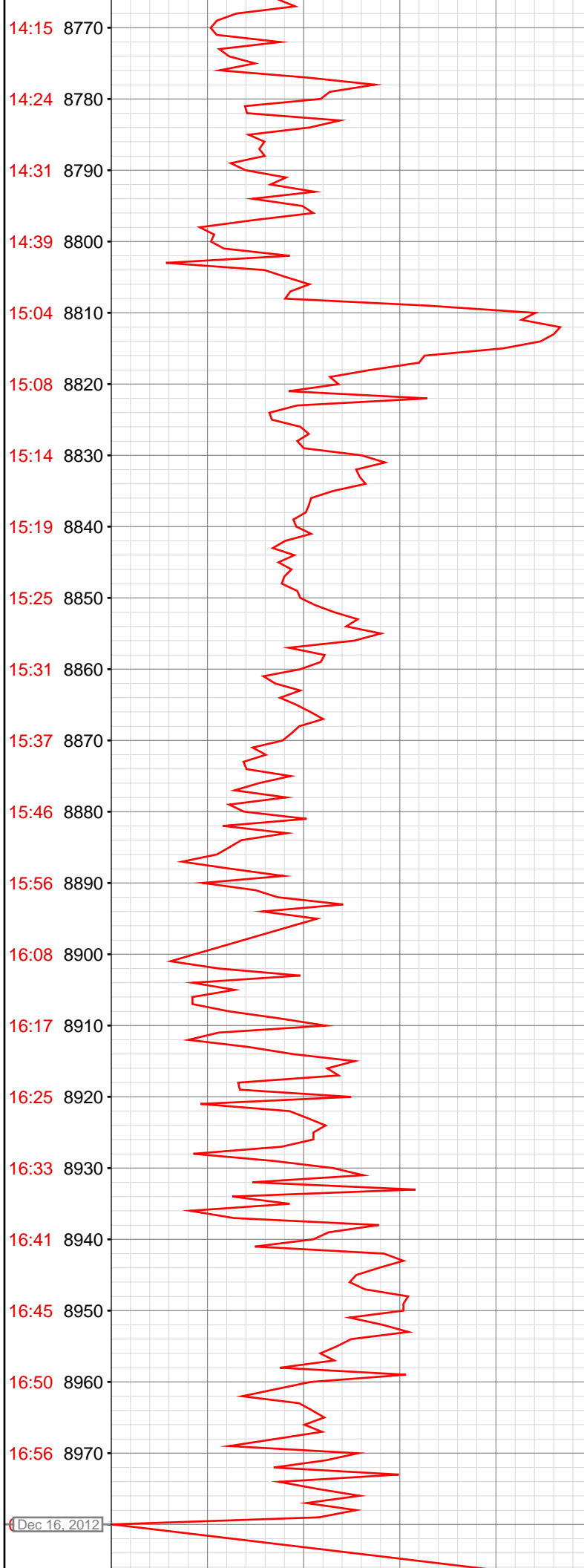
8164.11ft: VIS45/WT9.8/PH9.3/GPM5
8164.11ft: SURVEY @ 8112 INC. 1.6 AZ. 65.7
8164.11ft: Connection at 8167.3

8242.49ft: VIS48/WT9.85/PH9.8/GPM5

8255.41ft: Connection at 8258.5
8255.41ft: SURVEY @ 8203 INC. 1.0 AZ. 29.0
8255.41ft: ZWOB from SideKick sk-11-11-1250







8802.56ft: SURVEY @ 8753 INC. 0.7 AZ. 29.2
8802.56ft: Connection at 8808.6
8802.56ft: VIS45/WT9.9/PH9.4/GPM5
8802.56ft: ZWOB from SideKick sk-11-11-1250
8802.56ft: ZDiffPressure from SideKick sk-11-11-1250

8893.90ft: VIS47/WT9.9/PH9.4/GPM5
8893.90ft: SURVEY @ 8845 INC. 0.3 AZ. 18.6
8893.90ft: Connection at 8900.5

8967.88ft: TRANSFER 60BBL TO TRIP TANK
8979.95ft: SURVEY @ 8935' INC 0.2 AZ 343.8
8979.95ft: ZDiffPressure from SideKick sk-11-11-1250
8979.95ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
8979.95ft: ZDiffPressure from SideKick sk-11-11-1250
8979.95ft: 10/46VIS/9.4PH/0GPM
8979.95ft: FLOW CHECK
8979.95ft: NO FLOW
8979.95ft: 10/48VIS/10PH/0GPM
8979.95ft: ZERO ALL PUMPS from SideKick sk-11-11-1250
8979.95ft: 10/44VIS/9.5PH/0GPM
8979.95ft: FLOW CHECK
8979.95ft: ZERO ALL PUMPS from SideKick sk-11-11-1250
8979.95ft: 10.05/46VIS/9.5PH/0GPM
8979.95ft: 10.1/46VIS/9.4PH
8979.95ft: ZERO ALL PUMPS from SideKick sk-11-11-1250
8979.95ft: BIT DEPTH CHANGED TO 1810.0 FEET
8979.95ft: ZERO ALL PUMPS from SideKick sk-11-11-1250
8979.95ft: 10.00/VIS 45/PH 9.3
8979.95ft: ZERO ALL PUMPS from SideKick sk-11-11-1250
8979.95ft: FILL PIPE AND CIR. B/U
8979.95ft: BIT DEPTH CHANGED TO 4939.0 FEET
8979.95ft: VIS45/WT10
8979.95ft: VIS44/WT10
8979.95ft: FILL PIPE/CIRC B/U
8979.95ft: VIS45/WT10
8979.95ft: BIT DEPTH CHANGED TO 8870.0 FEET

[illegible]