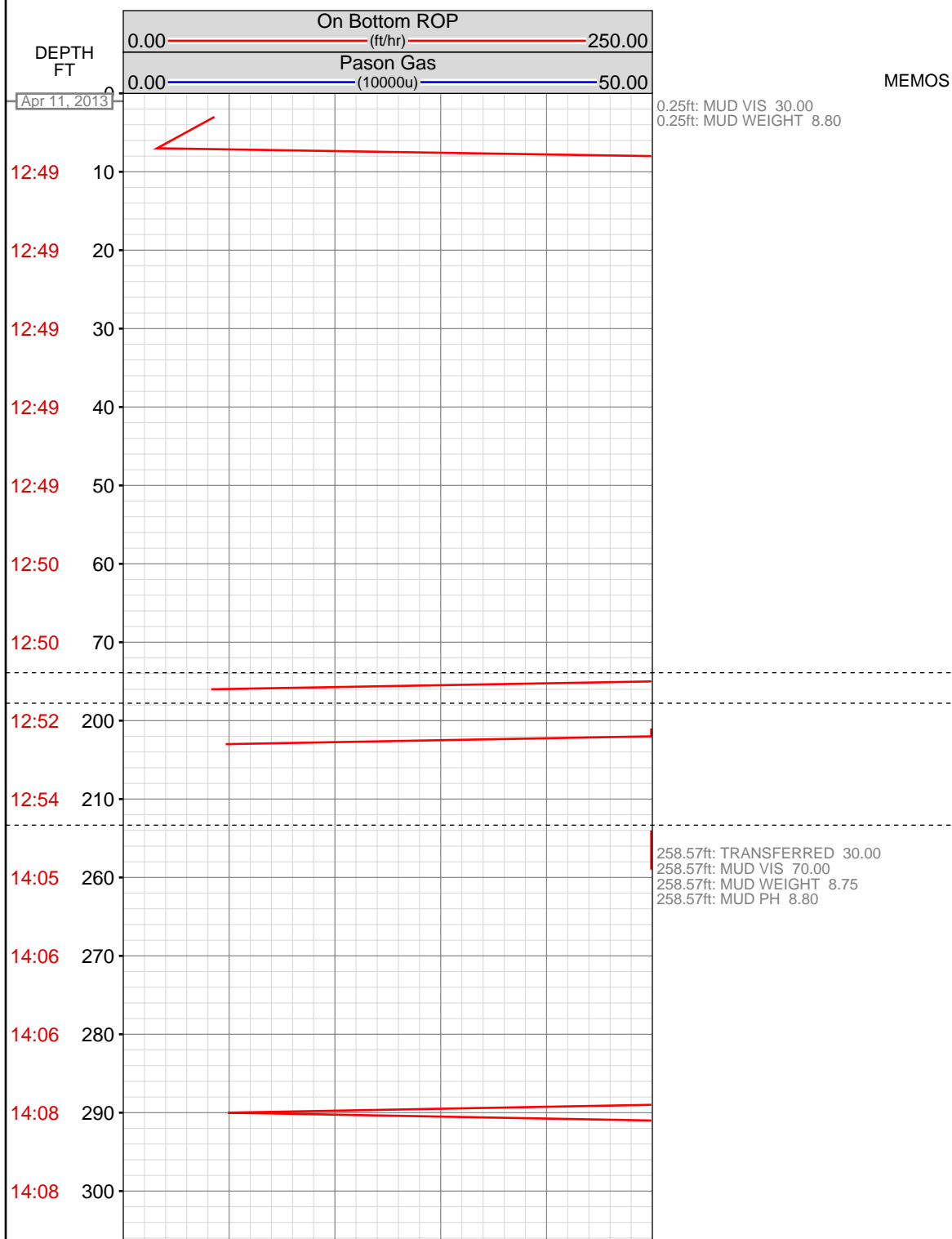


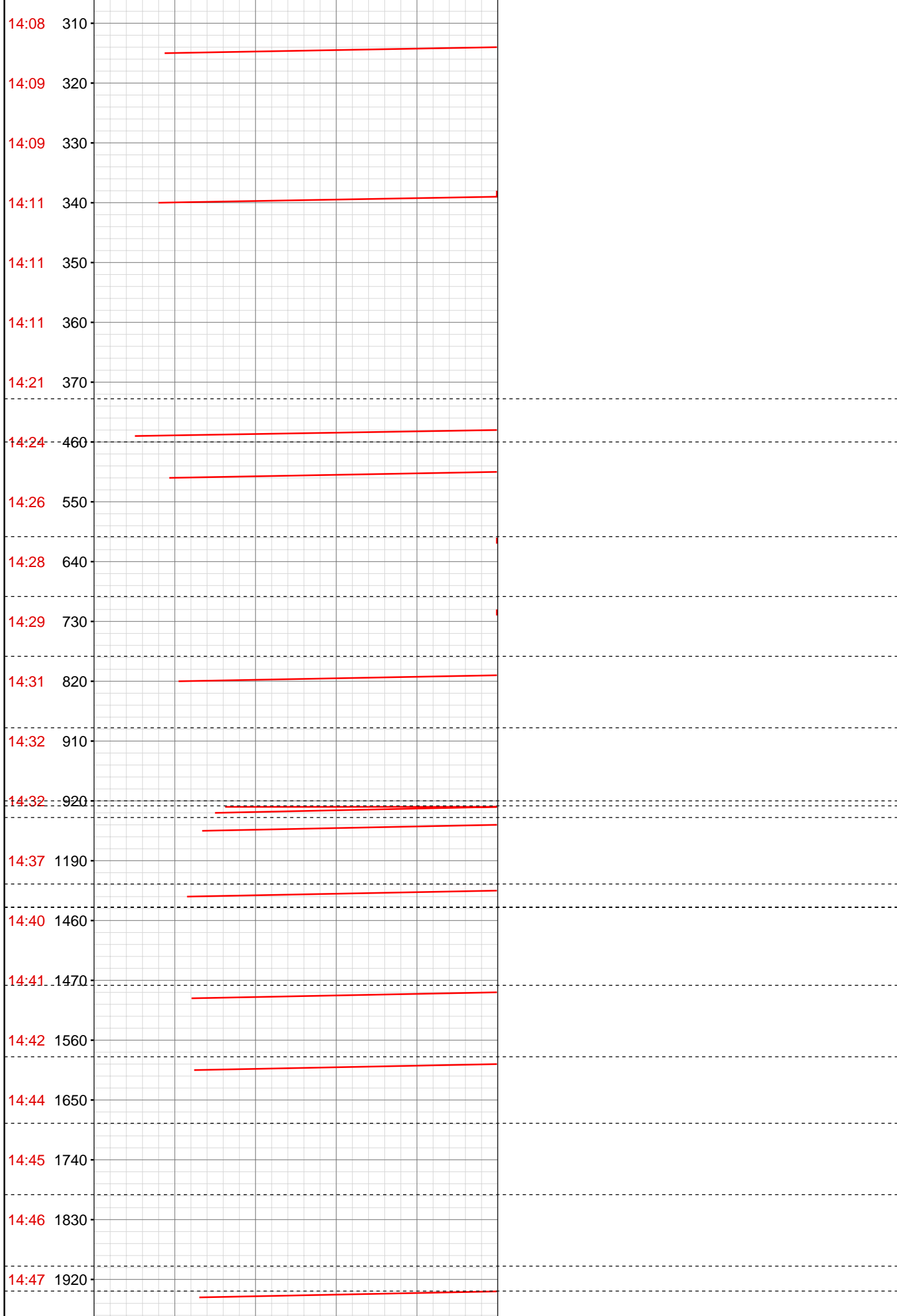
## DataHub EDR Log

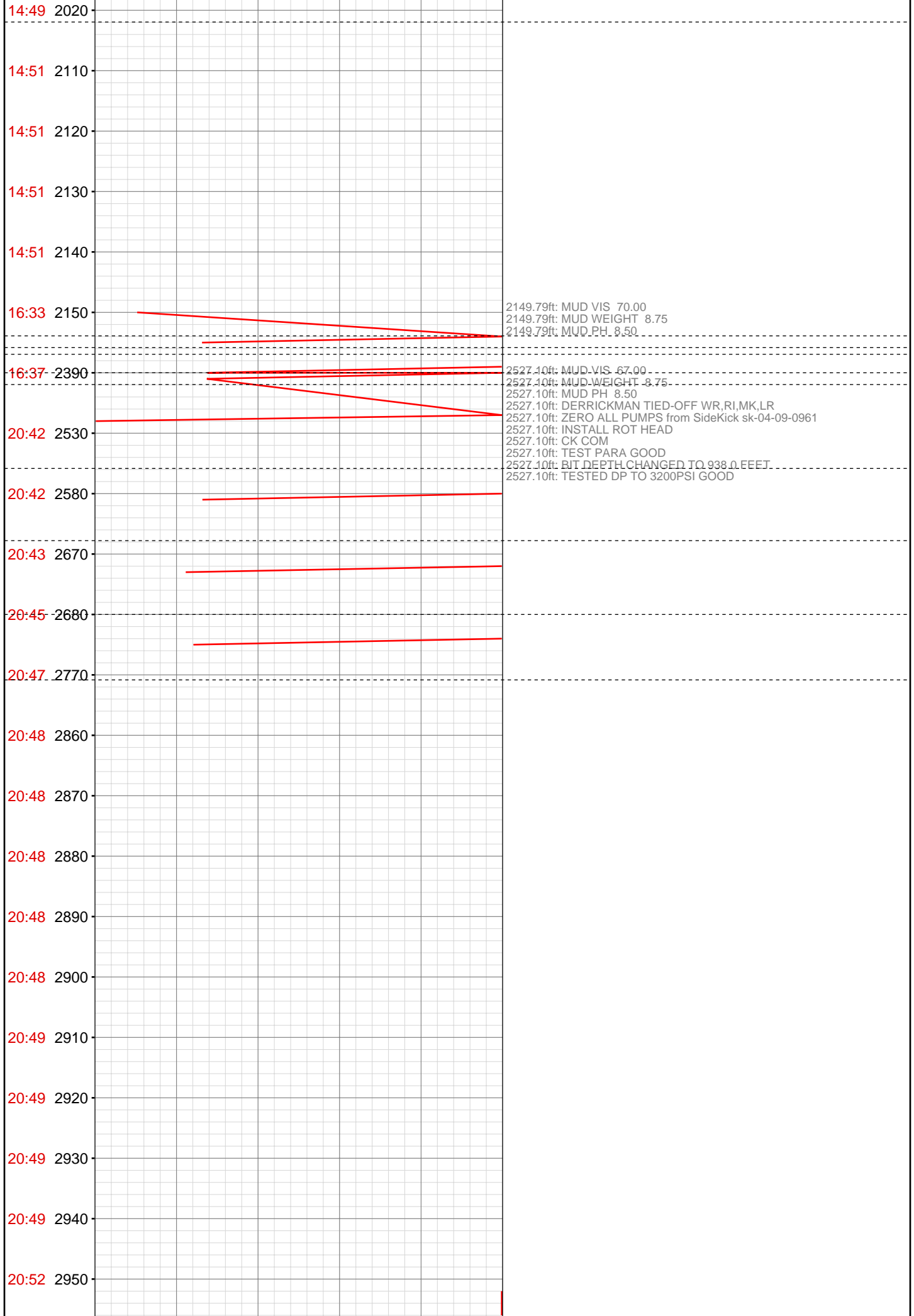
Wed Apr 17, 2013 13:16:44  
Well Dossier 1365649905  
Greg Veregin

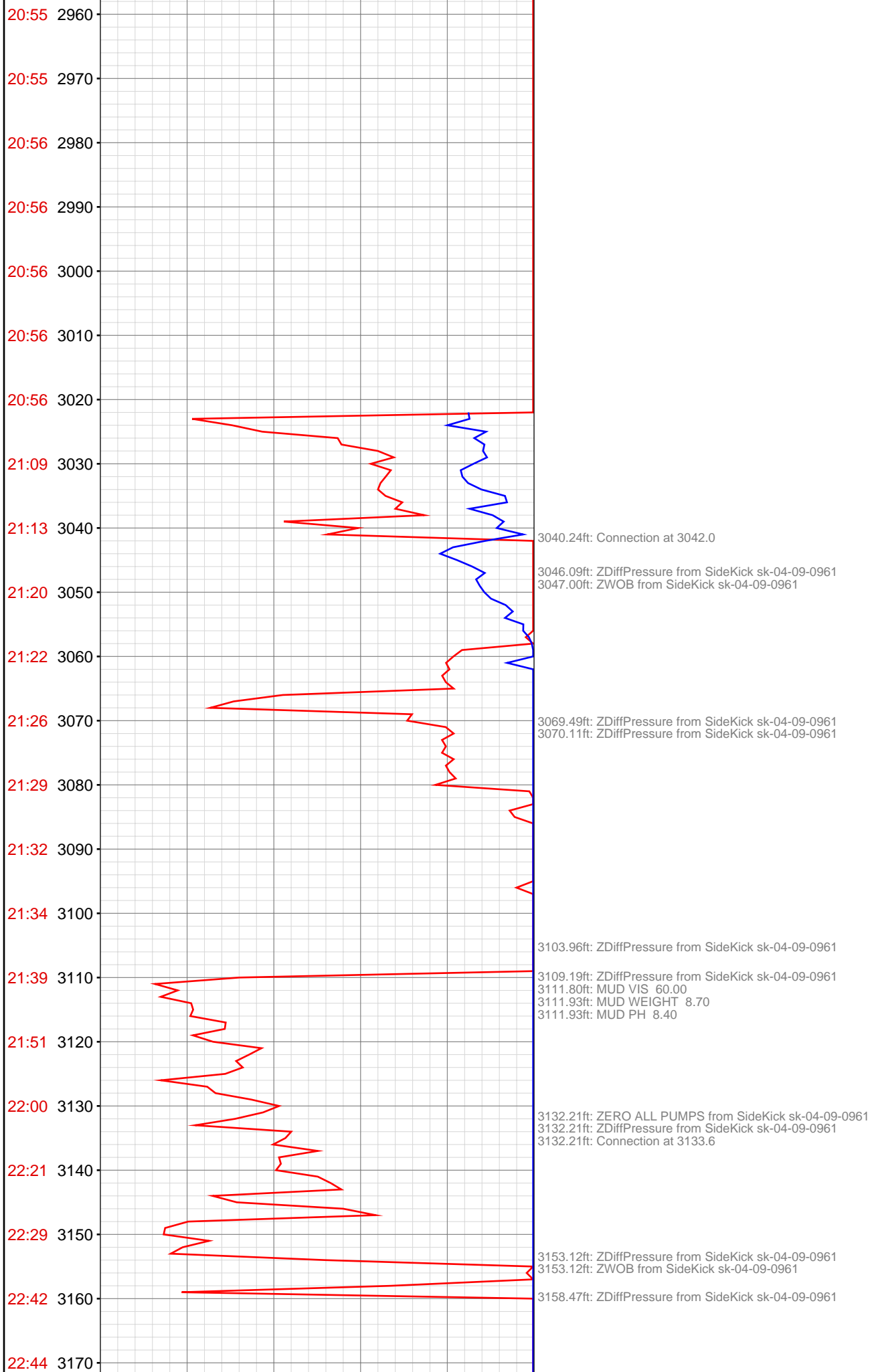
**OPERATOR:** EnCana Oil & Gas (USA), Inc.  
**WELL:** SG 8507C 35 D36 496  
**FIELD:**  
**LOCATION:** Sec 36 T4S R96W  
**COUNTRY:** USA  
**RIG:** Pat-UTI 326

**CONTRACTOR:** Patterson-UTI Drilling Company  
**UNIQUE WELL ID:** 05-045-20937  
**SPUD DATE:** Apr 11, 2013 21:30  
**RELEASE DATE:**









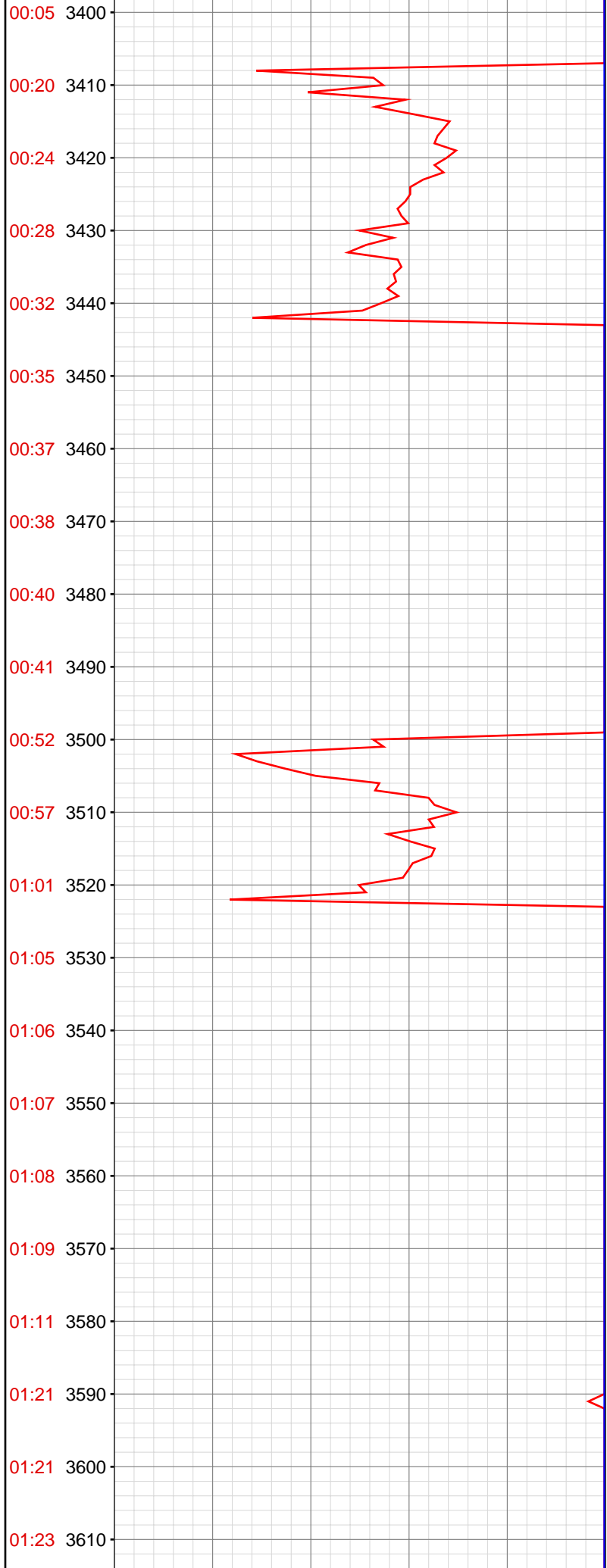
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22:46 3190  
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22:49 3210  
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23:04 3230  
23:13 3240  
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23:29 3270  
23:30 3280  
23:31 3290  
23:32 3300  
23:34 3310  
23:45 3320  
23:49 3330  
23:53 3340  
23:57 3350  
Apr 12, 2013  
00:00 3360  
00:01 3370  
00:03 3380  
00:04 3390

3223.94ft: MUD VIS 61.00  
3223.94ft: MUD WEIGHT 8.70  
3223.94ft: MUD PH 9.50  
3223.94ft: SURVEY @ 3170' INC 25.2 AZI 242.1  
3223.94ft: ZDiffPressure from SideKick sk-04-09-0961  
3223.94ft: Connection at 3225.0

3245.10ft: AIR ON PARASITE 300CFM

3315.55ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
3315.55ft: SURVEY @ 3261' INC 25.3 AZI 242.2  
3315.55ft: Connection at 3316.3

3349.02ft: MUD VIS 60.00  
3349.02ft: MUD WEIGHT 8.70  
3349.41ft: MUD PH 9.50



3407.41ft: SURVEY @ 3352' INC 26.4 AZI 239.9  
3407.41ft: PUMPED SWEEP  
3407.41ft: Connection at 3407.7  
3407.64ft: 300CFM PARA

3499.25ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
3499.25ft: SURVEY @ 3444' INC 29.4 AZI 239.5  
3499.25ft: Connection at 3499.2 PUMPED SWEEP

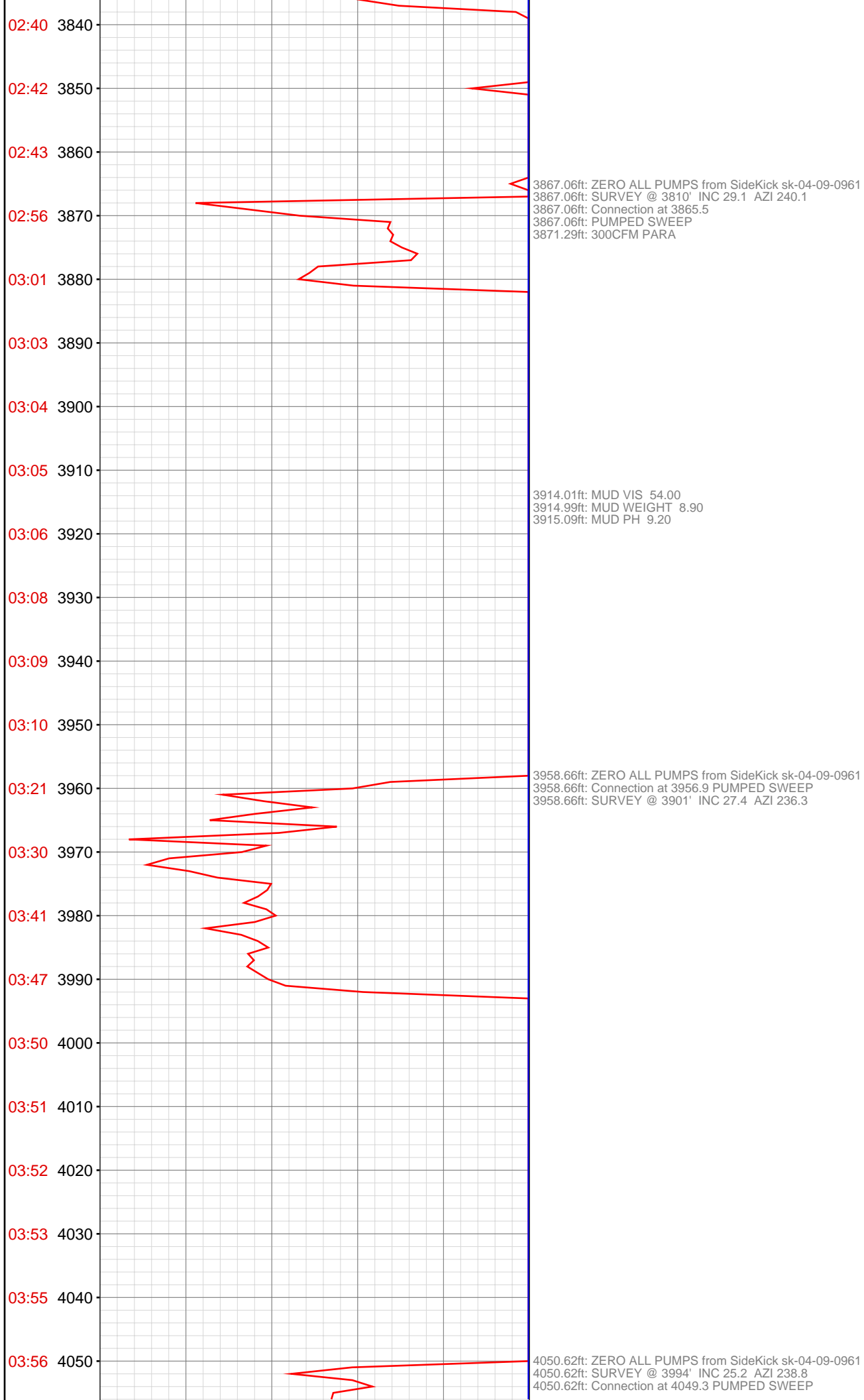
3590.98ft: MUD VIS 62.00  
3590.98ft: MUD WEIGHT 8.80  
3590.98ft: MUD PH 9.50  
3590.98ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
3590.98ft: SURVEY @ 3535' INC 30.6 AZI 241.2  
3590.98ft: ZDiffPressure from SideKick sk-04-09-0961  
3590.98ft: Connection at 3590.7

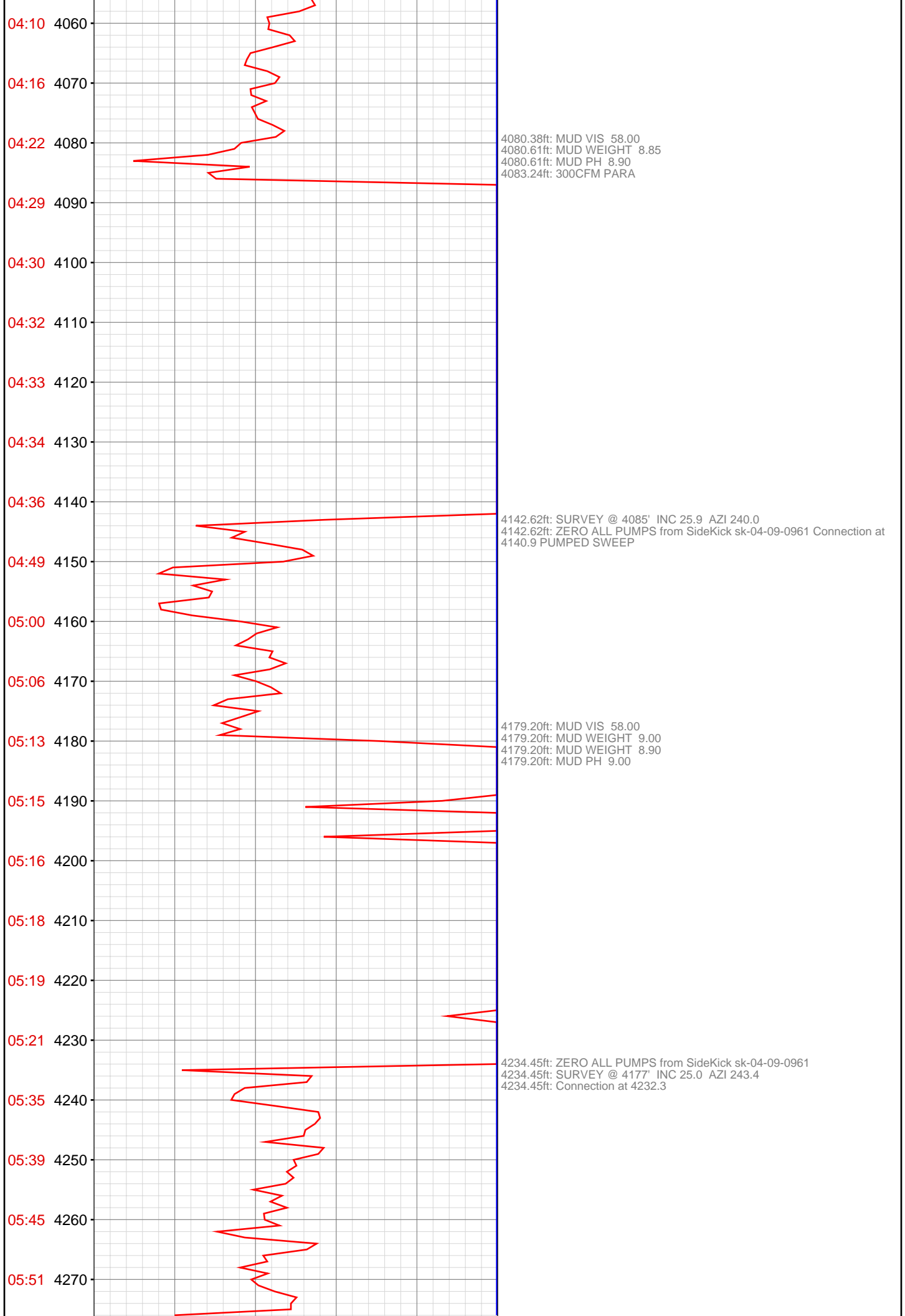
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01:32 3680  
01:45 3690  
01:54 3700  
02:01 3710  
02:06 3720  
02:07 3730  
02:09 3740  
02:10 3750  
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02:33 3790  
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02:36 3810  
02:37 3820  
02:38 3830

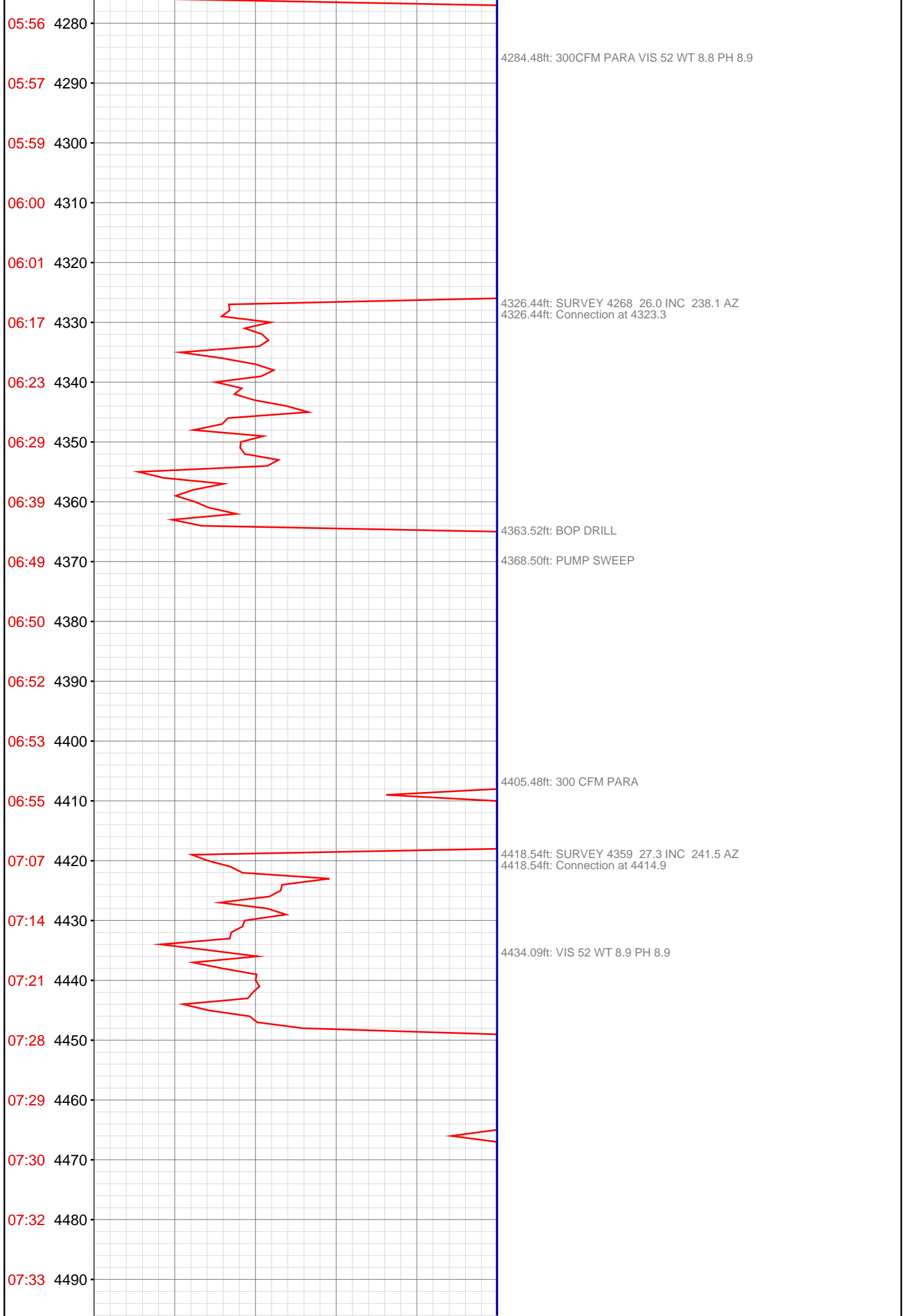
3664.30ft: 300CFM PARA

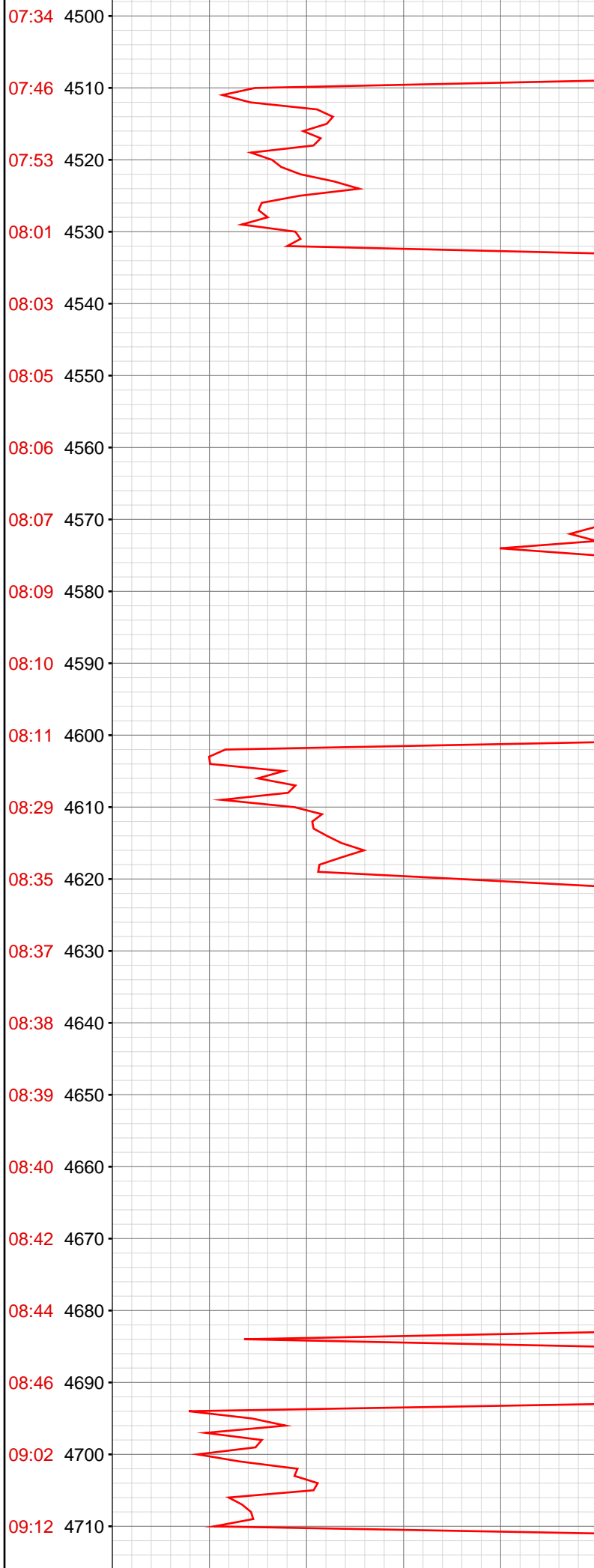
3682.71ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
3682.71ft: SURVEY @ 3627' INC 28.5 AZI 240.1  
3682.71ft: Connection at 3682.2 PUMPED SWEEP

3774.93ft: MUD VIS 58.00  
3774.93ft: MUD WEIGHT 8.80  
3774.93ft: MUD PH 9.40  
3774.93ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
3774.93ft: SURVEY @ 3718' INC 29.9 AZI 242.0  
3774.93ft: Connection at 3773.6 PUMPED SWEEP







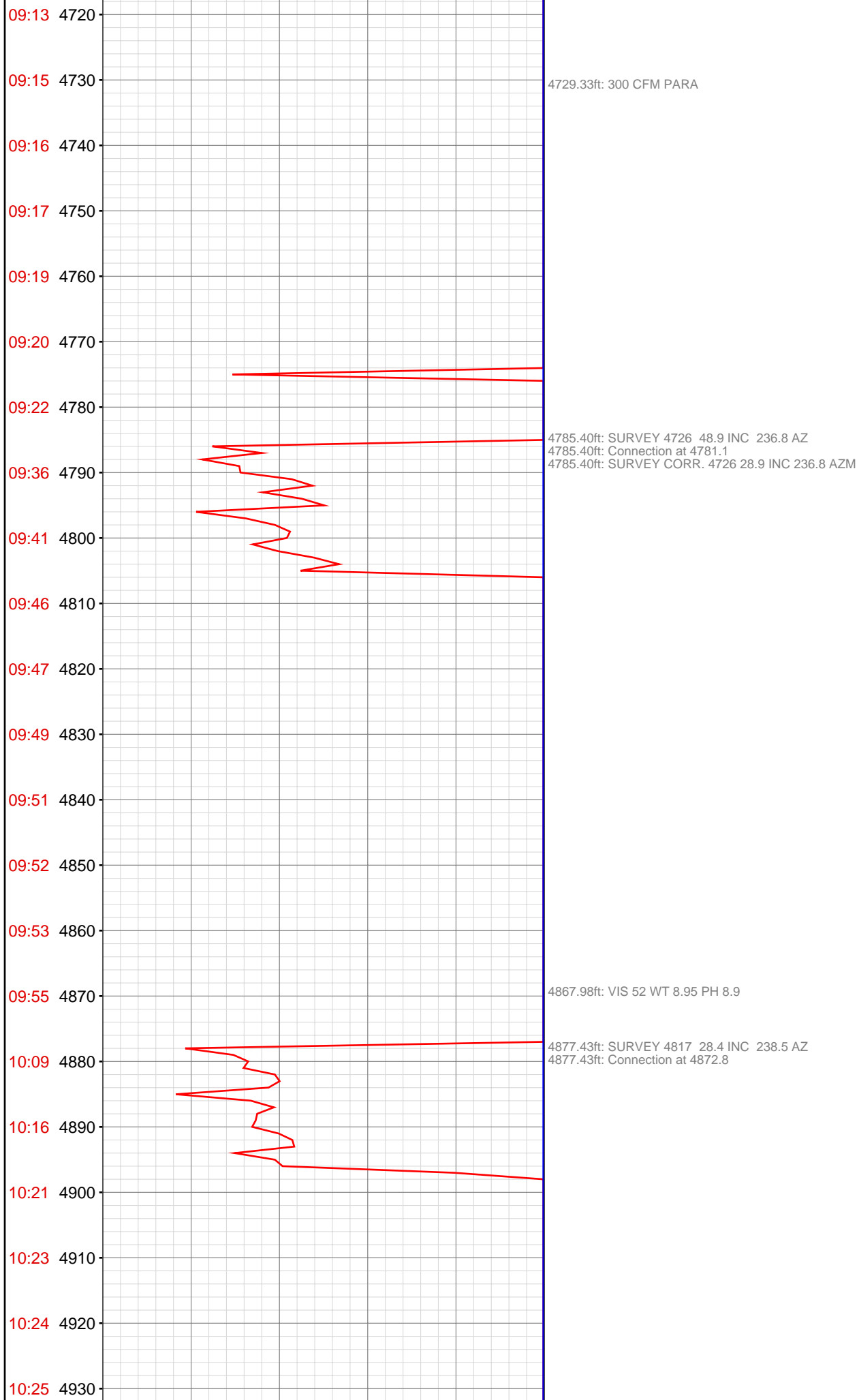


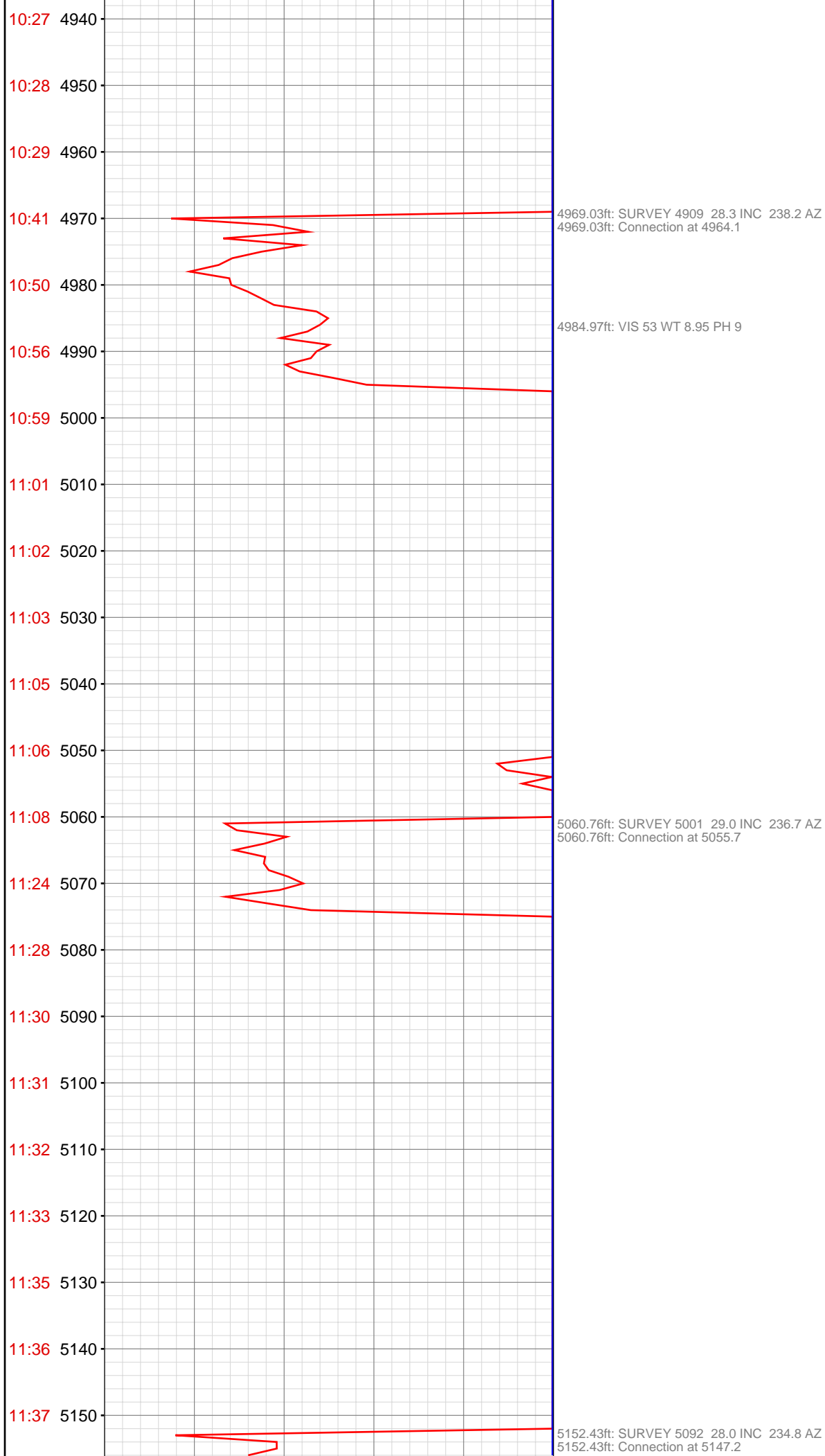
4509.78ft: SURVEY 4451 28.6 INC 241.5 AZ  
4509.78ft: Connection at 4506.3  
4509.78ft: TRANSFERRED 40.00

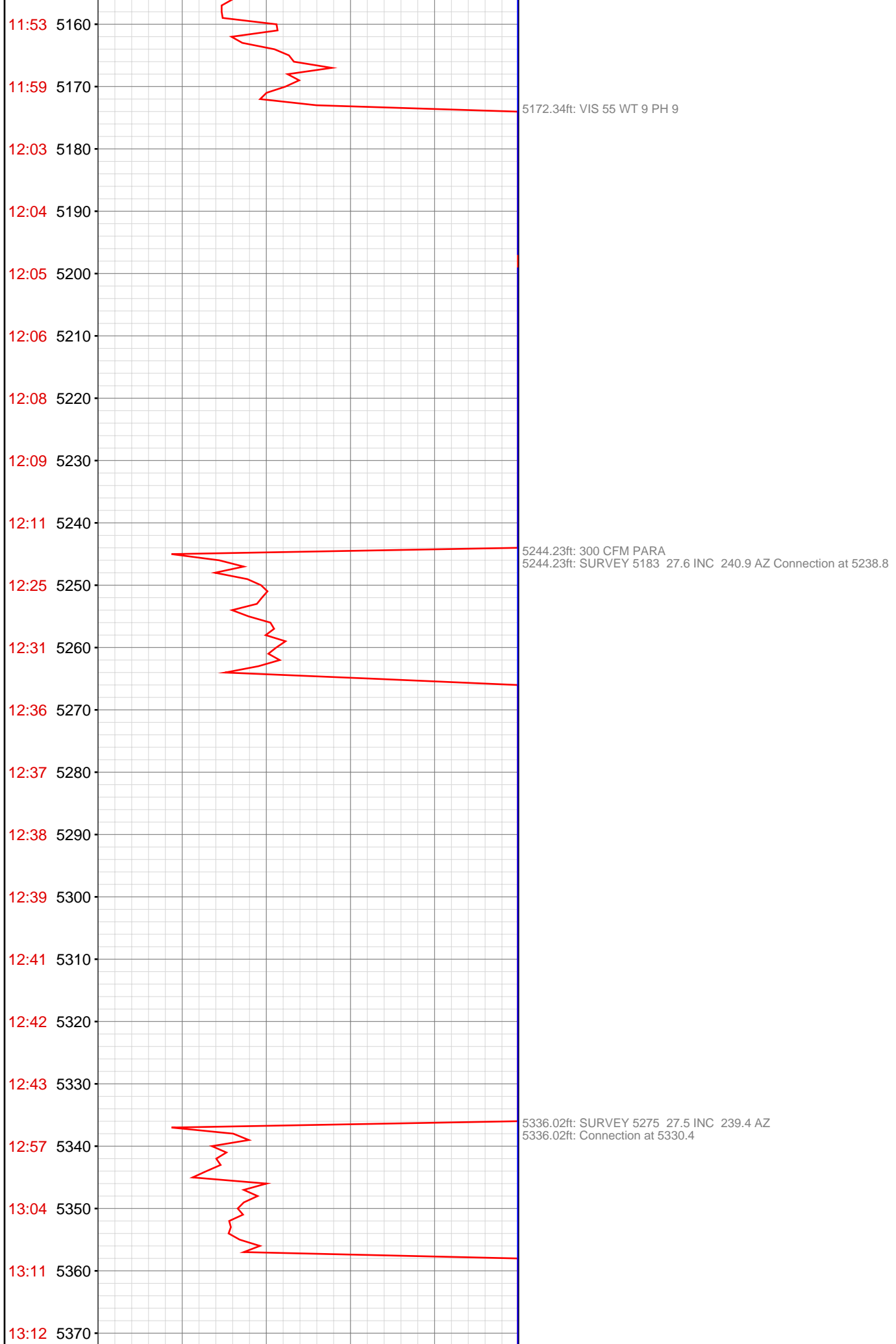
4584.81ft: 300 CFM PARA VIS 51 WT 8.9 PH 8.7

4601.64ft: SURVEY 4542 29.0 INC 236.7 AZ  
4601.64ft: Connection at 4598.0

4693.73ft: SURVEY 4634 29.7 INC 239.3 AZ  
4693.73ft: Connection at 4689.6







13:14 5380

13:15 5390

13:16 5400

13:18 5410

13:19 5420

13:33 5430

13:39 5440

13:41 5450

13:42 5460

13:44 5470

13:45 5480

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14:18 5570

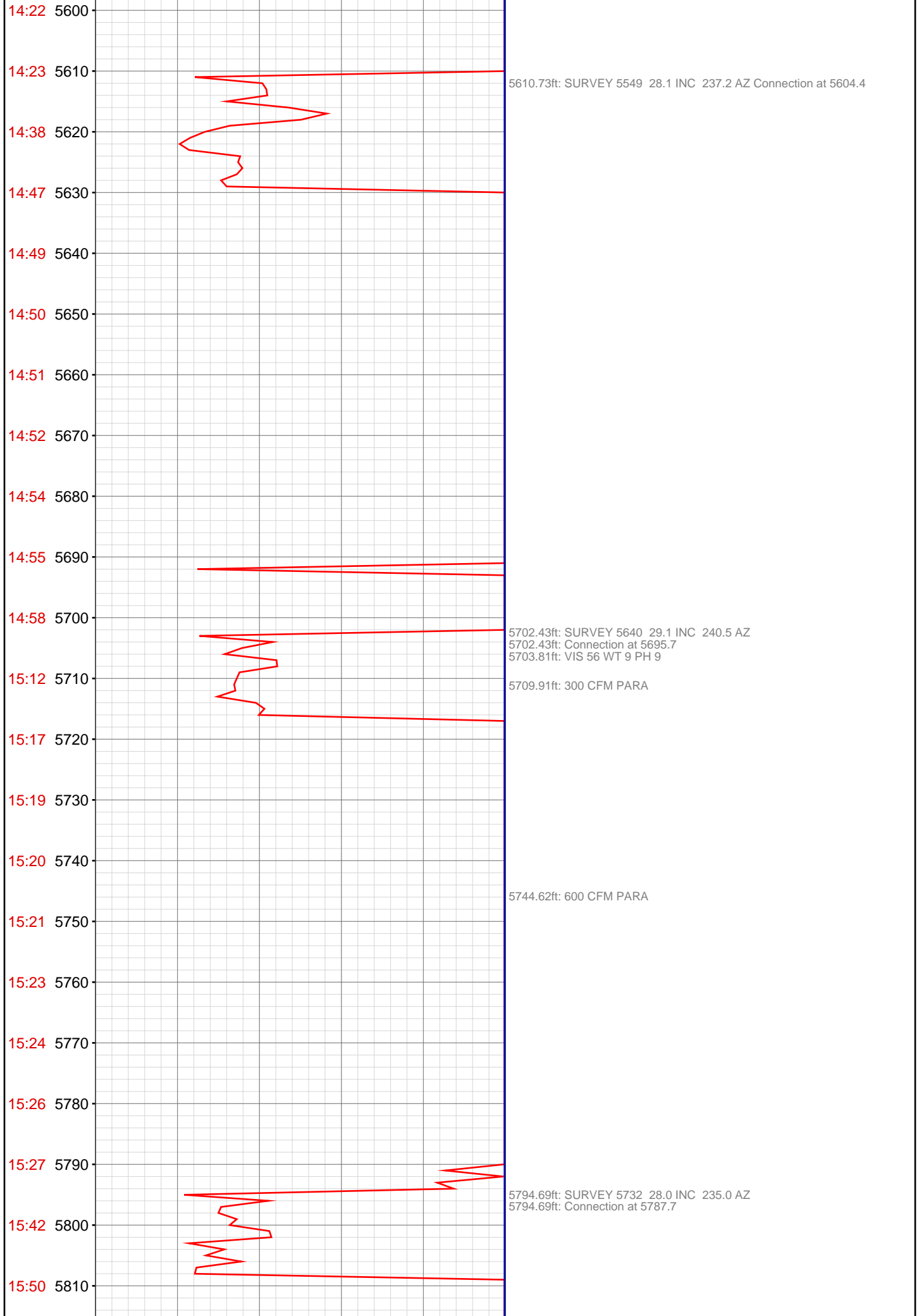
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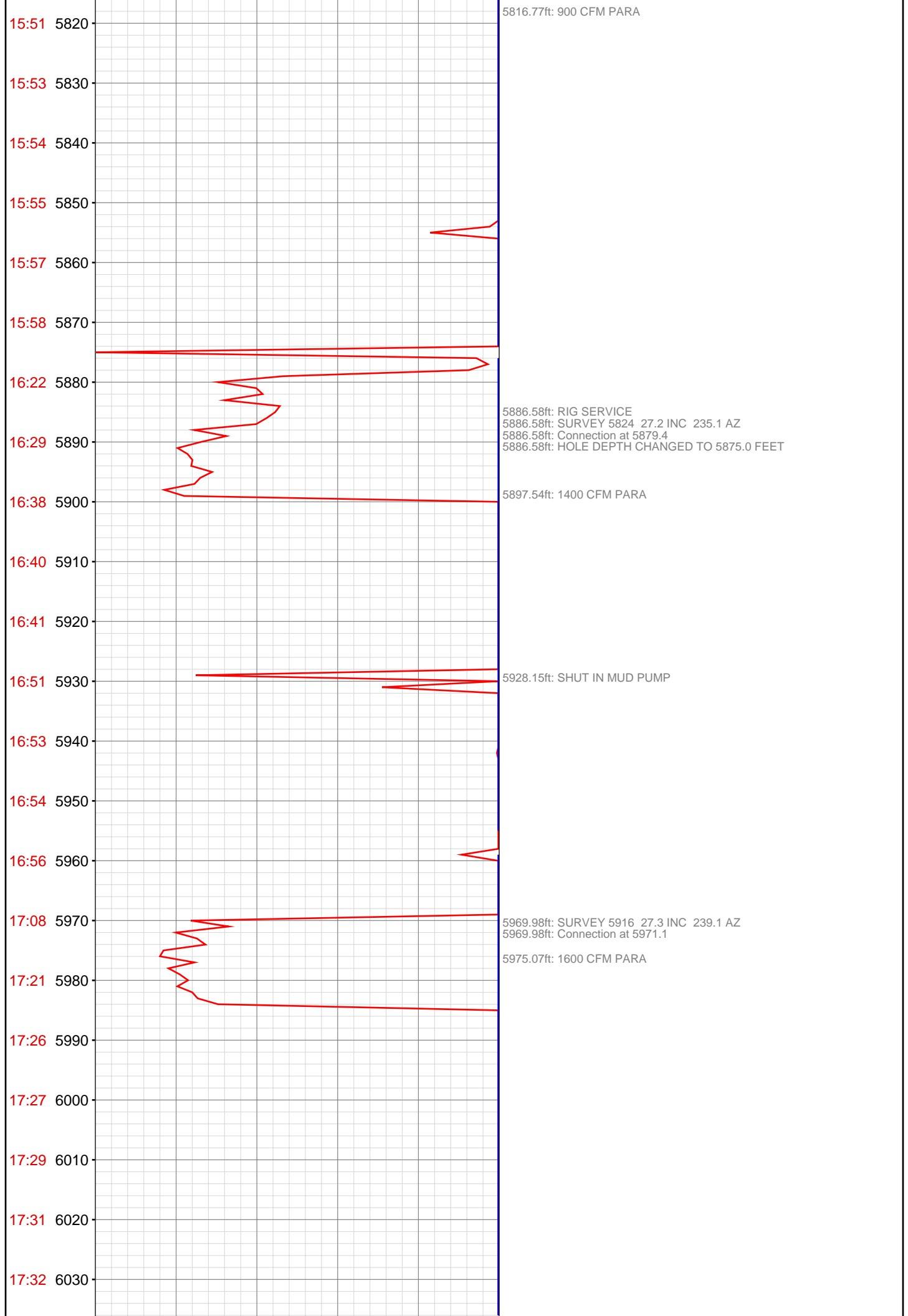
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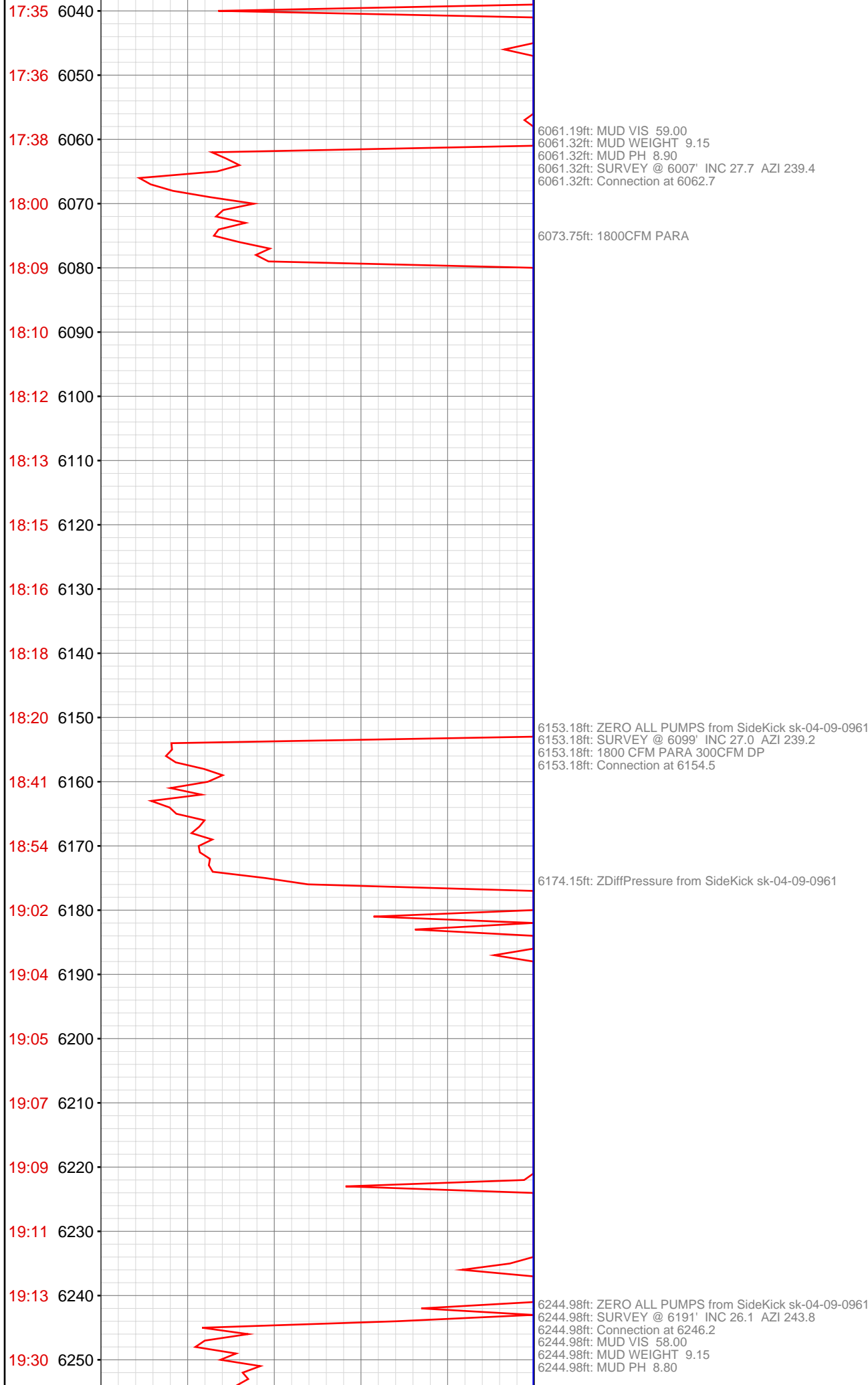
5427.89ft: SURVEY 5266 28.1 INC 237.9 AZ  
5427.89ft: Connection at 5421.9  
5427.89ft: SURVEY DEPTH CORR. 5366'

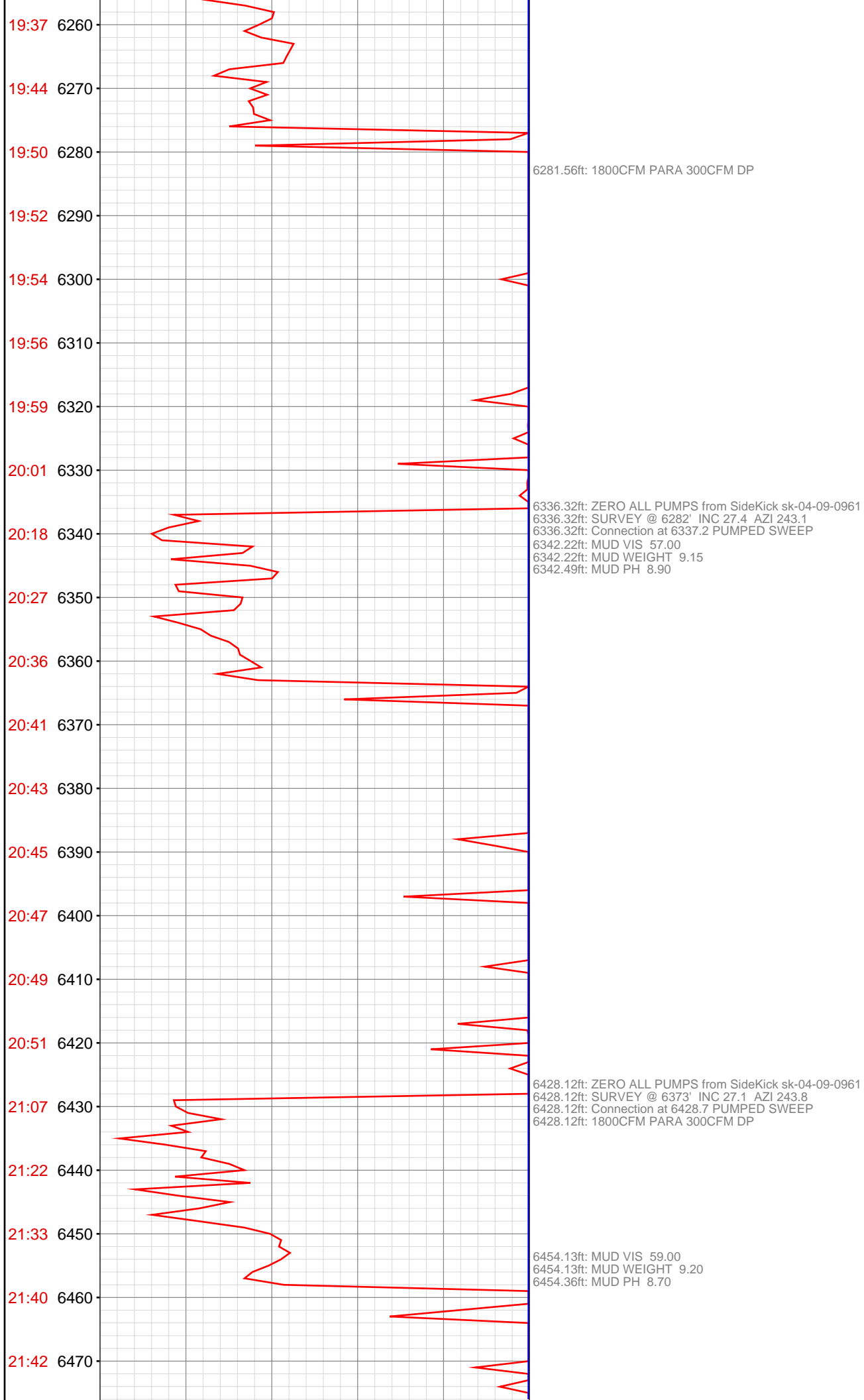
5519.09ft: SURVEY 5457 27.2 INC 242.5 AZ  
5519.09ft: Connection at 5512.9  
5520.11ft: VIS 57 WT 9.05 PH 9

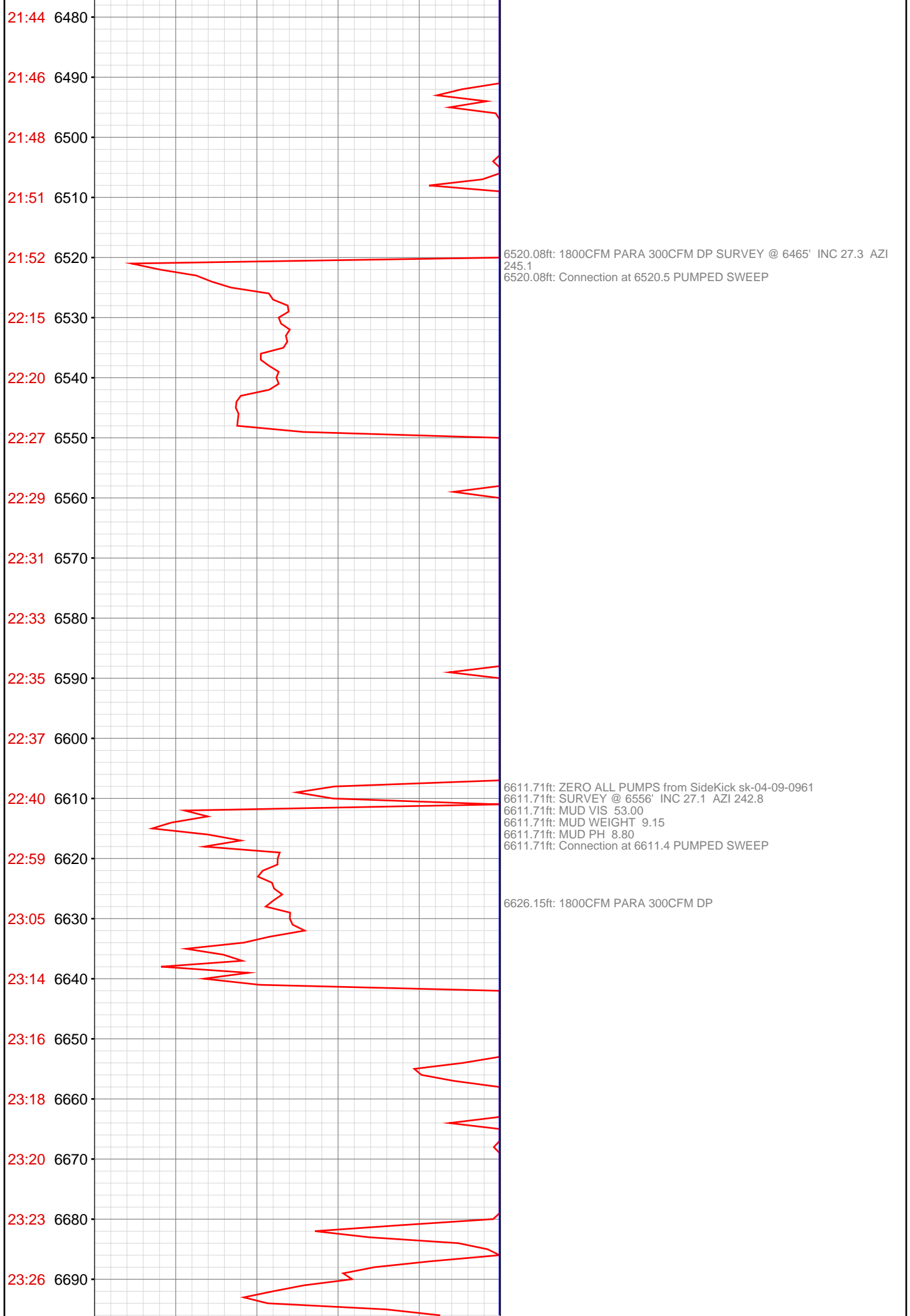


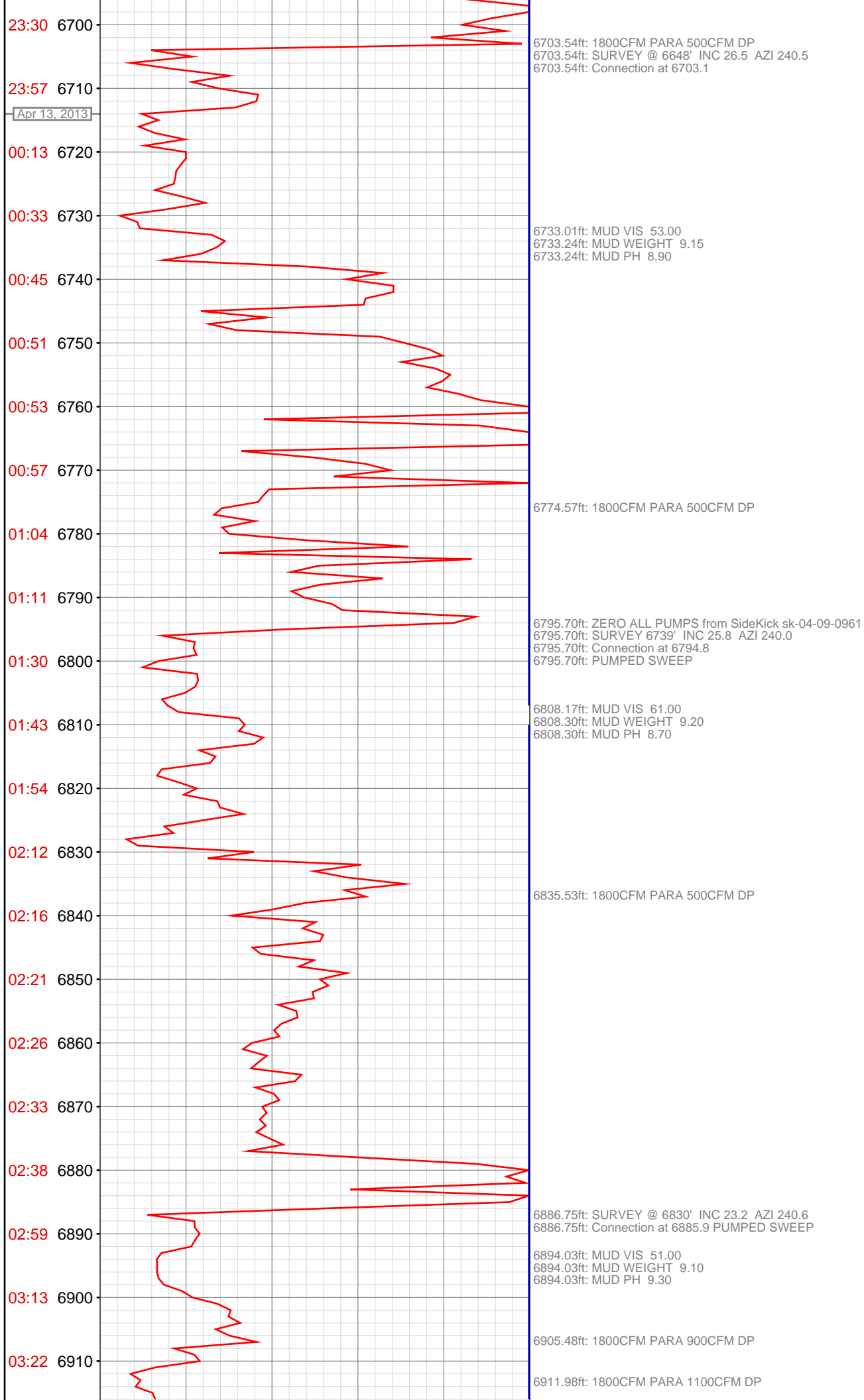


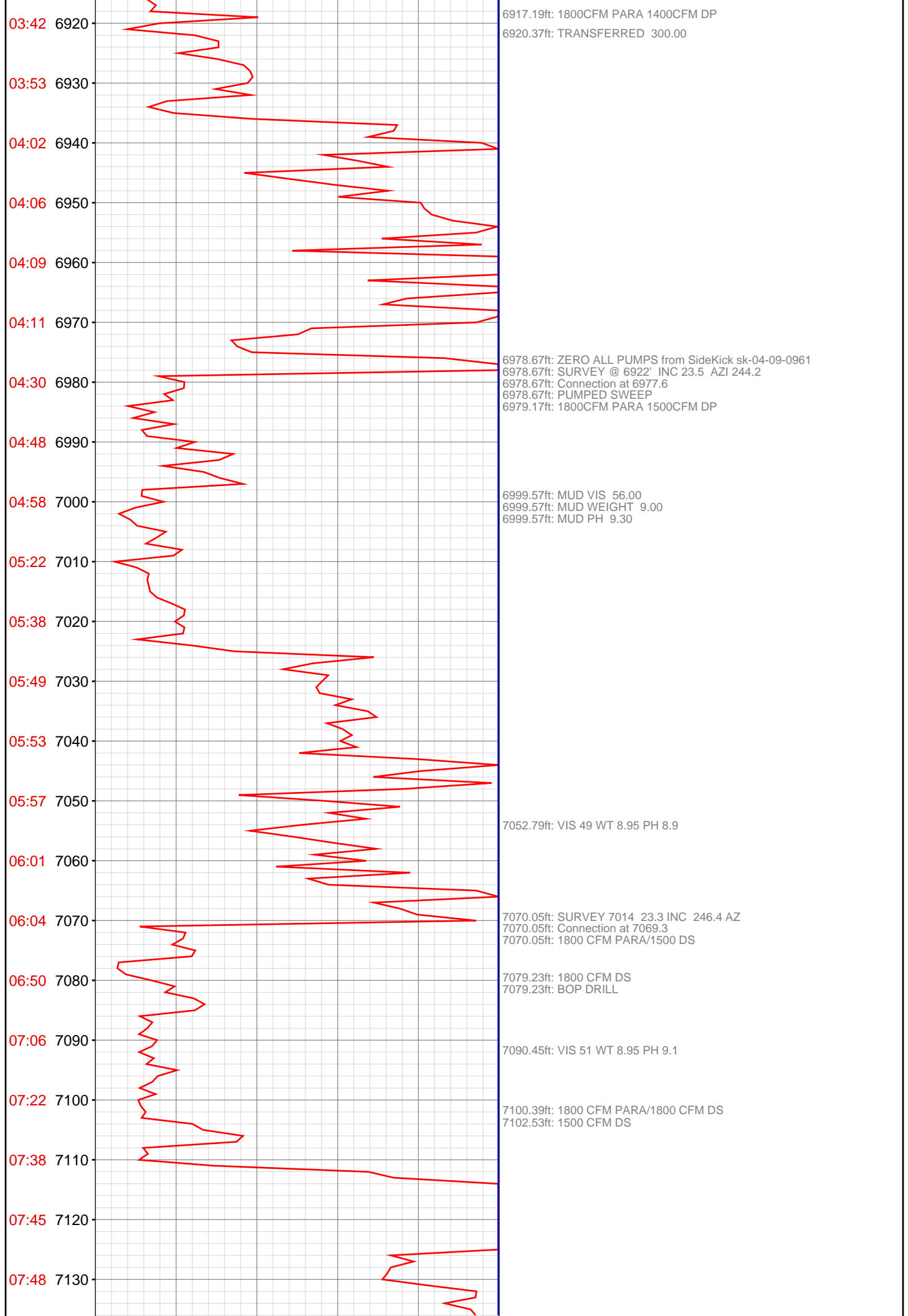


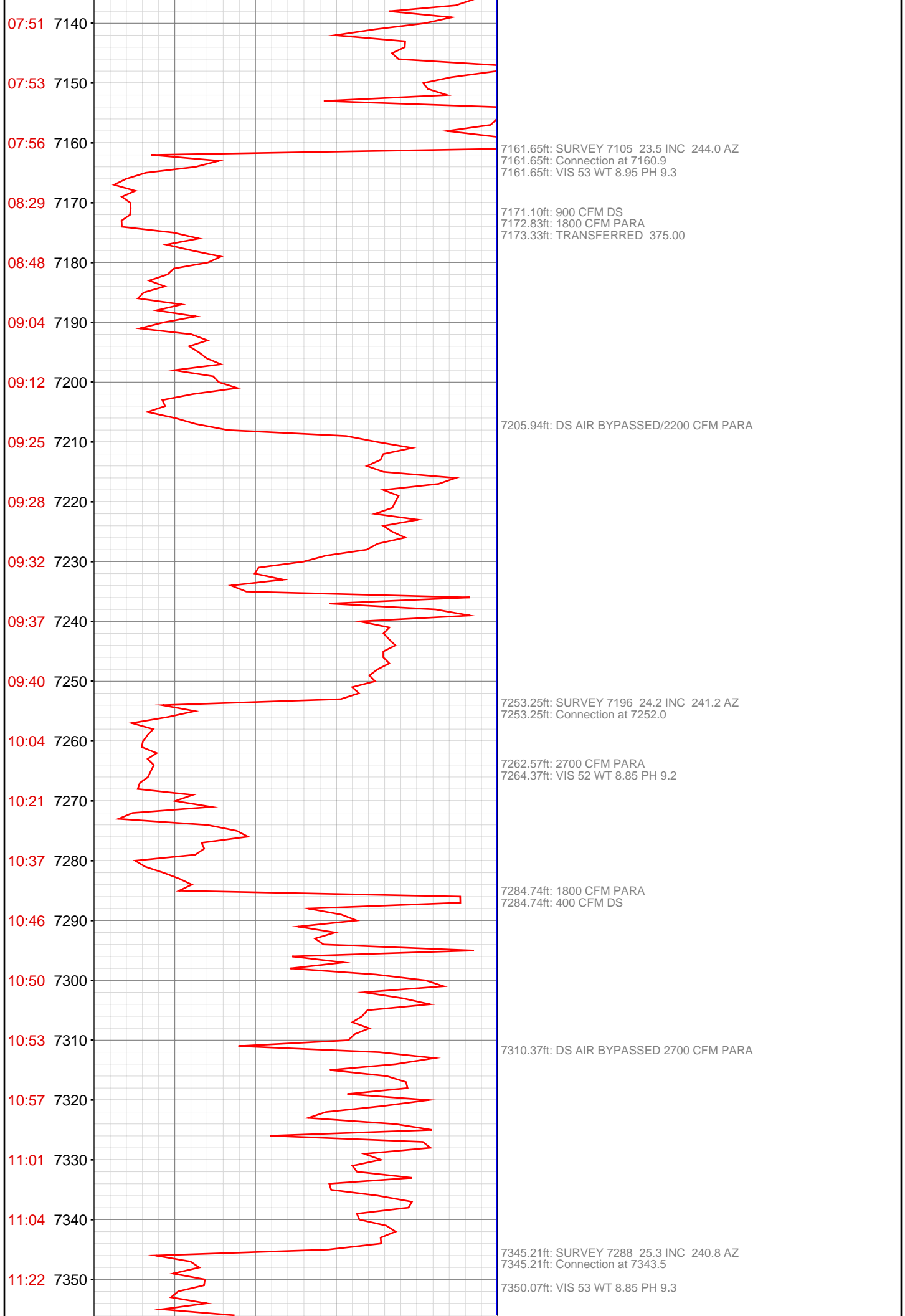


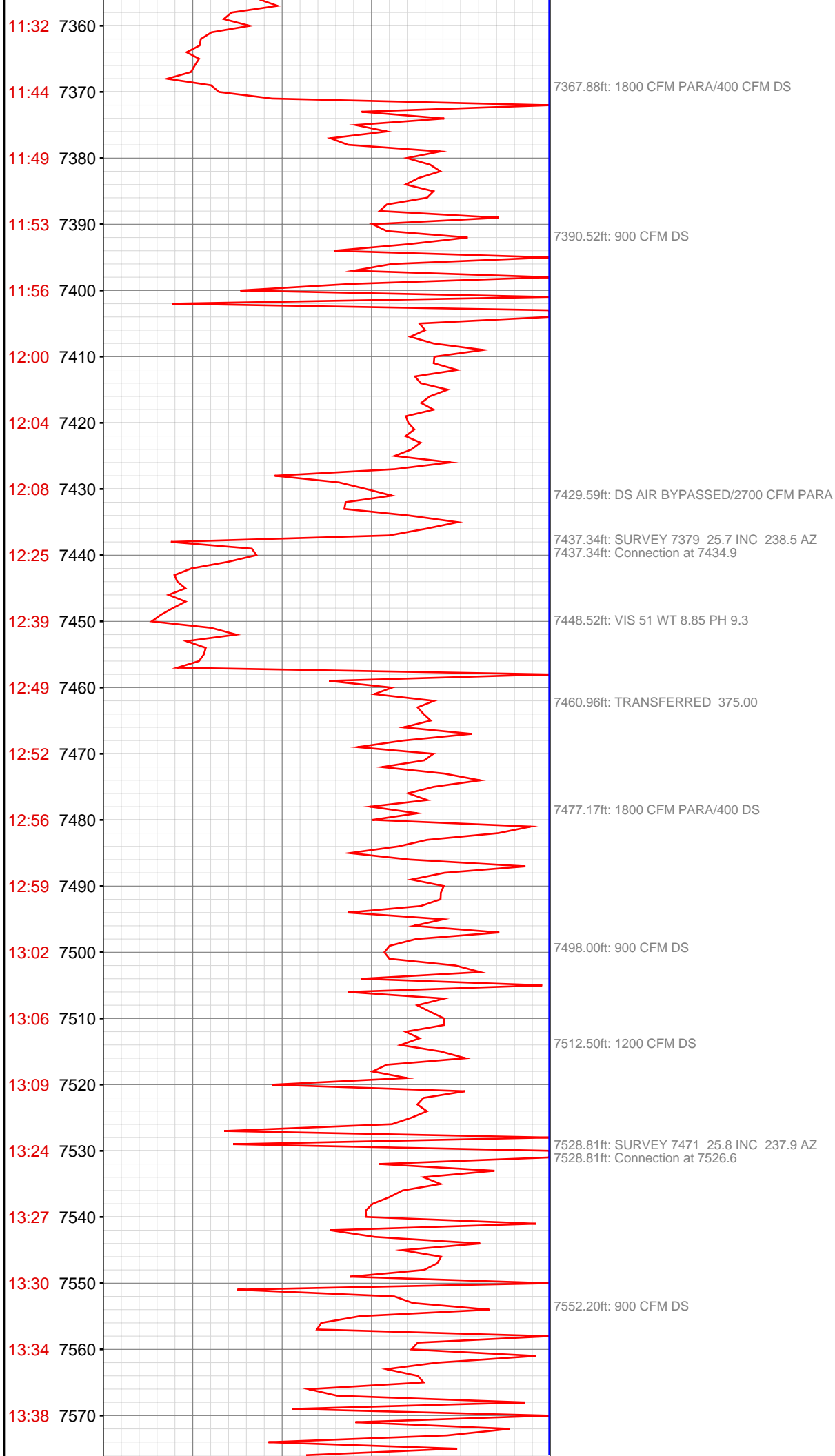


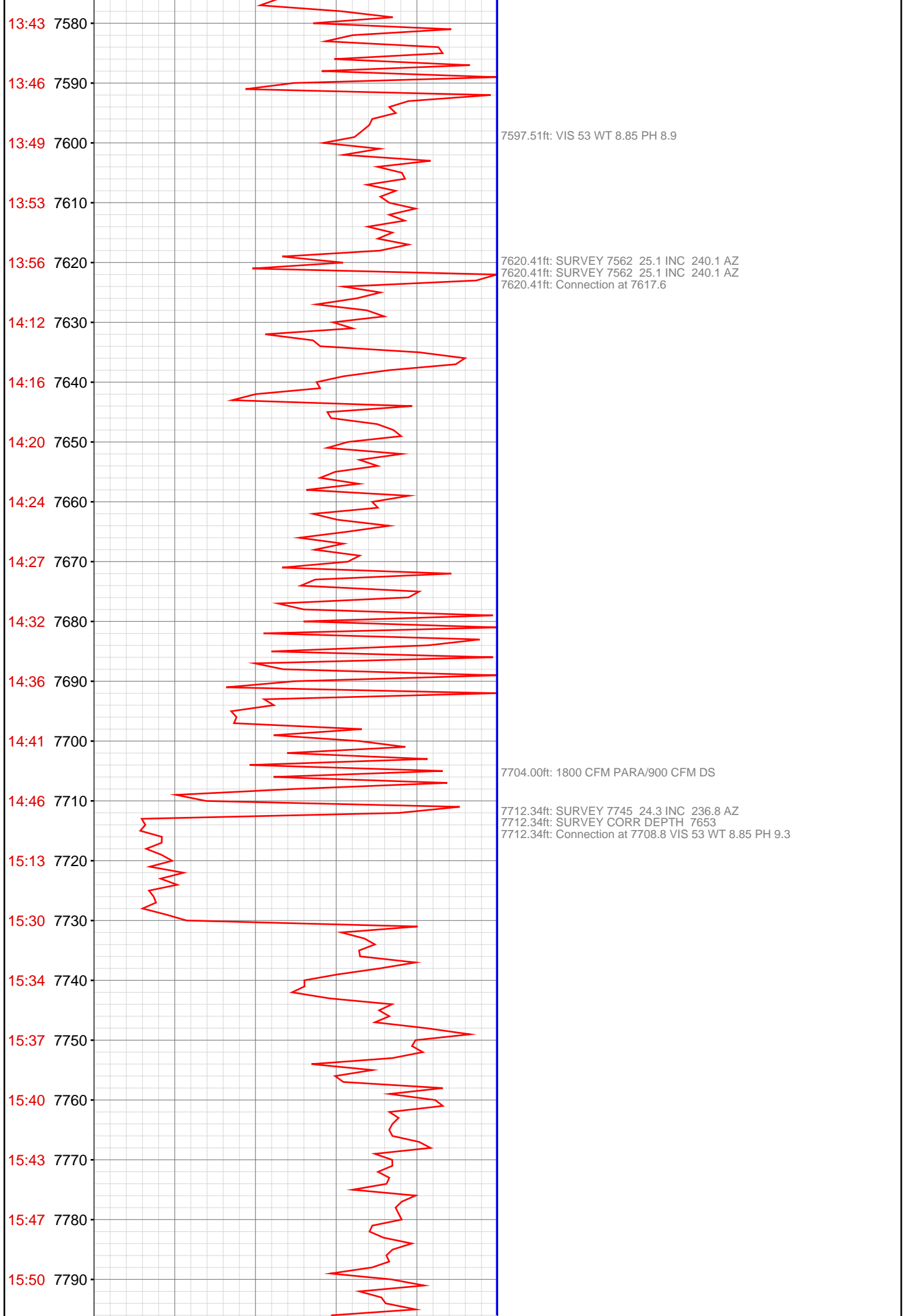


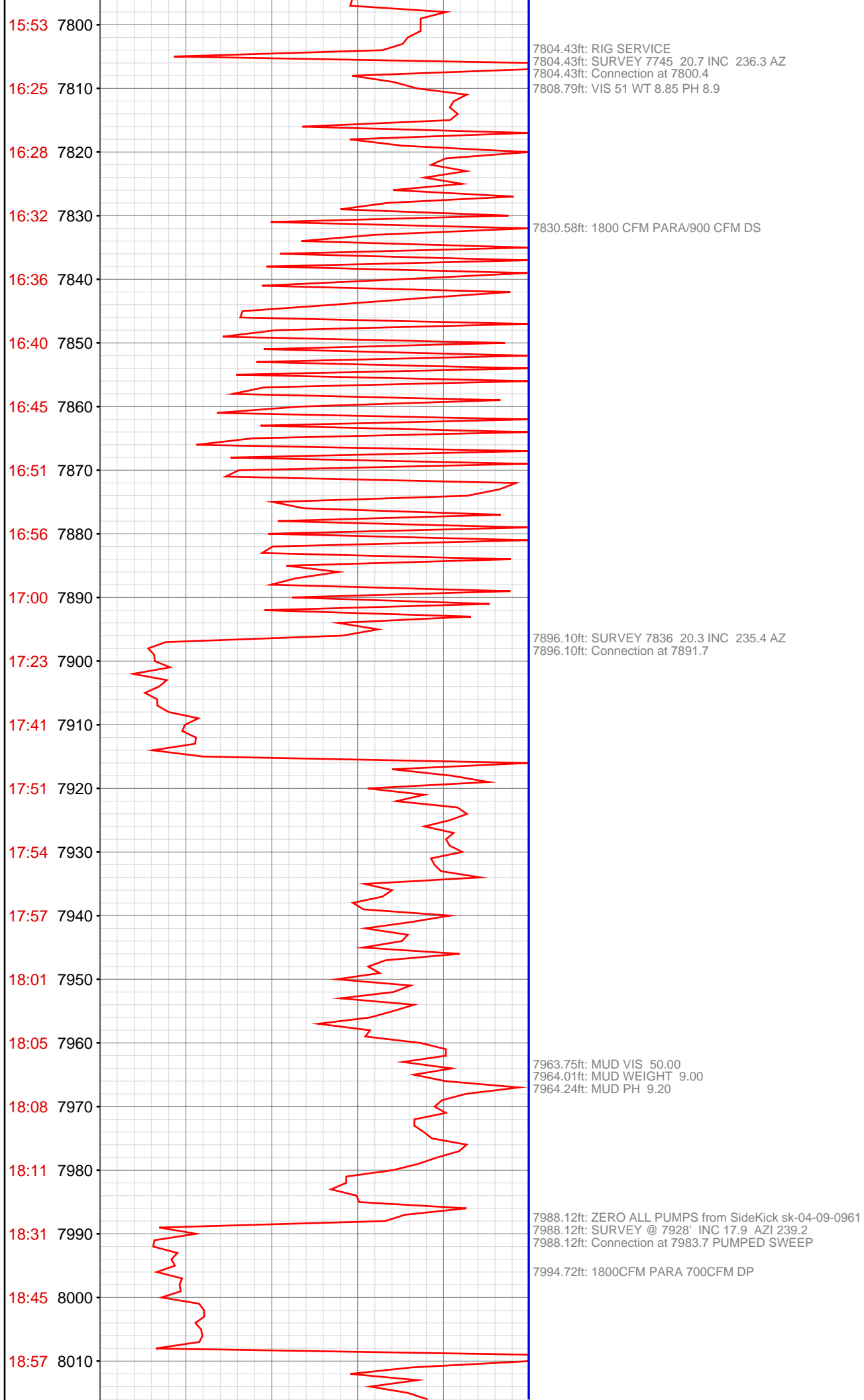


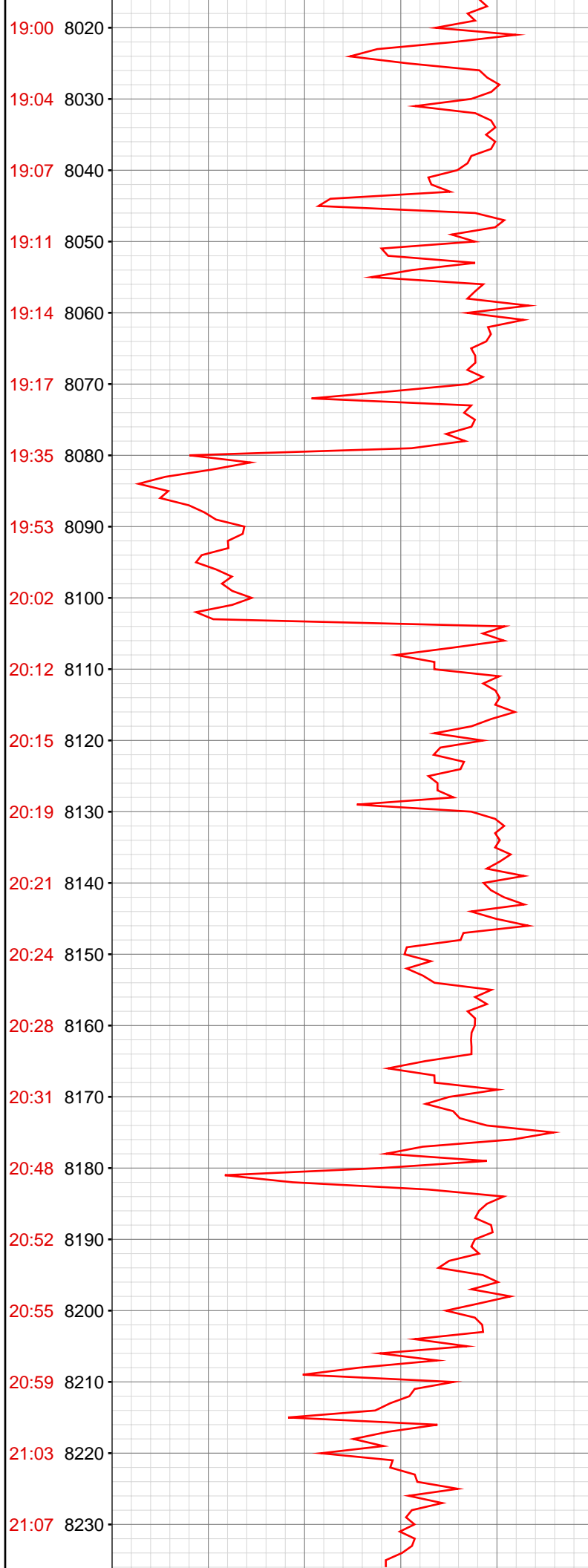












8031.00ft: MUD VIS 65.00  
8031.00ft: MUD WEIGHT 9.00  
8031.50ft: MUD PH 9.20

8079.86ft: SURVEY @ 8019' INC 15.7 AZI 235.2  
8079.86ft: Connection at 8074.9 PUMPED SWEEP  
8079.86ft: 1800CFM PARA 600CFM DP

8134.88ft: MUD VIS 55.00  
8135.01ft: MUD WEIGHT 9.15  
8135.01ft: MUD PH 9.10

8171.85ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
8171.85ft: Connection at 8166.6 SURVEY @ 8111' INC 12.1 AZI 236.4  
8171.85ft: PUMPED SWEEP  
8171.85ft: BIT DEPTH CHANGED TO 8160.0 FEET  
8171.85ft: 1800CFM PARA 400CFM DP

21:11 8240

21:15 8250

21:37 8260

21:48 8270

22:00 8280

22:05 8290

22:09 8300

22:13 8310

22:17 8320

22:21 8330

22:25 8340

22:43 8350

22:53 8360

23:04 8370

23:13 8380

23:17 8390

23:21 8400

23:25 8410

23:30 8420

23:35 8430

23:52 8440

8255.84ft: MUD VIS 56.00  
8255.84ft: MUD WEIGHT 9.20  
8255.84ft: MUD PH 9.00  
8255.84ft: SURVEY @ 8203' INC 12.2 AZI 234.9  
8255.84ft: Connection at 8258.4 PUMPED SWEEP  
8255.84ft: 1800CFM PARA 200CFM DP

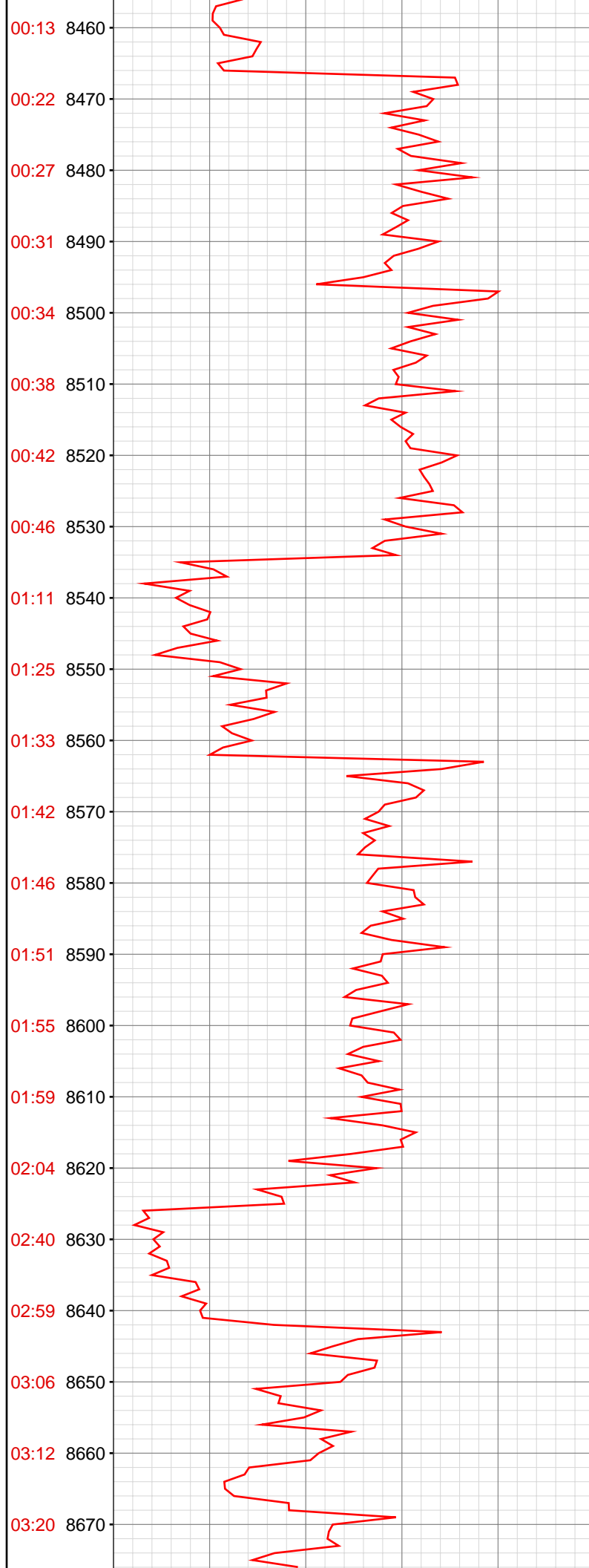
8327.99ft: MUD VIS 62.00  
8328.02ft: MUD WEIGHT 9.35  
8328.02ft: MUD PH 9.50

8347.70ft: 1800CFM PARA DP AIR OFF SURVEY @ 8295' INC 10.6 AZI 237.6  
8347.70ft: Connection at 8350.2 PUMPED SWEEP

8393.04ft: MUD VIS 61.00  
8393.44ft: MUD WEIGHT 9.40  
8393.44ft: MUD PH 9.40

8399.15ft: 2200CFM PARA

8439.37ft: Connection at 8441.6 PUMPED SWEEP SURVEY @ 8386' INC 7.6 AZI 243.5



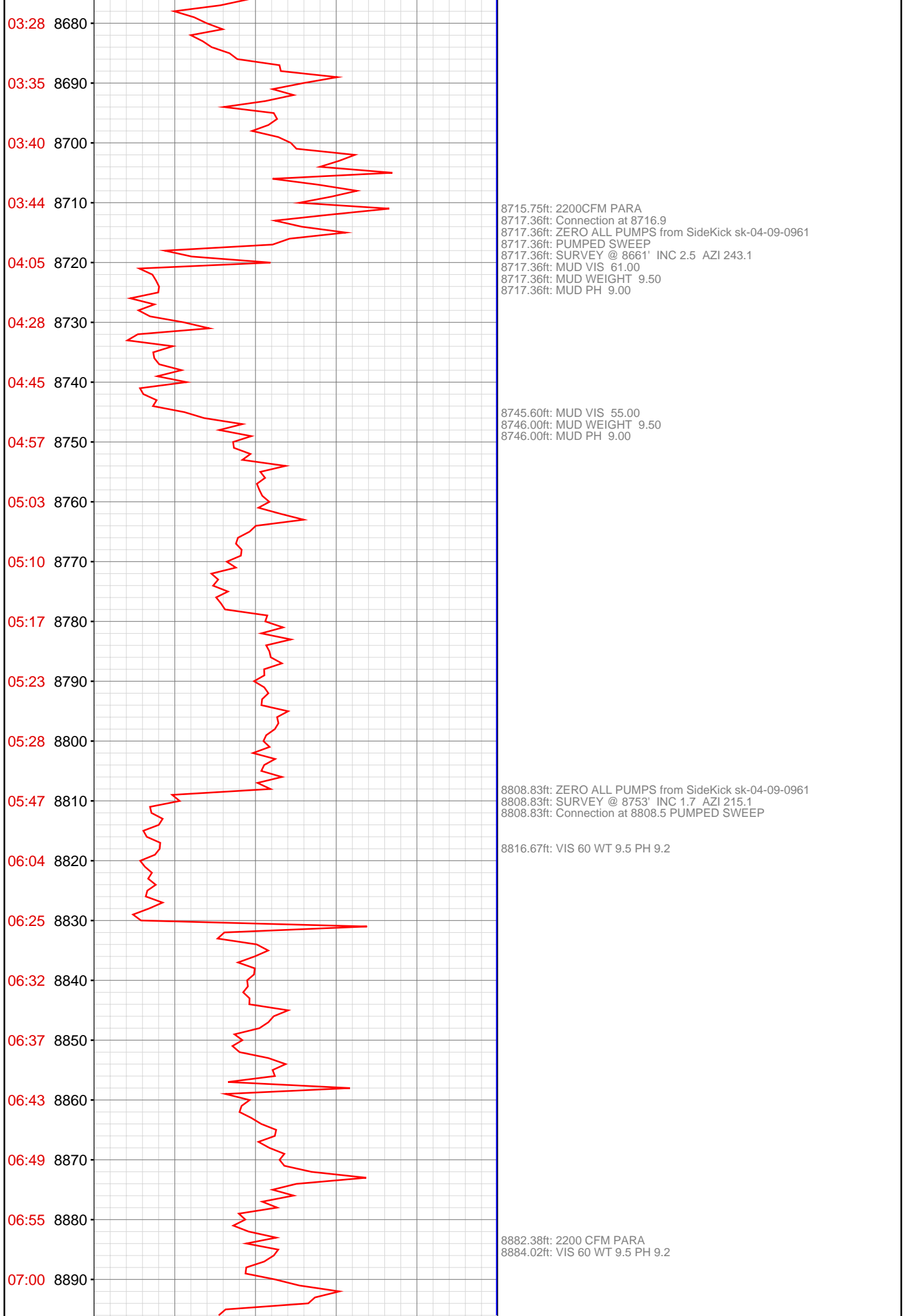
8464.99ft: MUD VIS 62.00  
8464.99ft: MUD WEIGHT 9.45  
8464.99ft: MUD PH 9.20

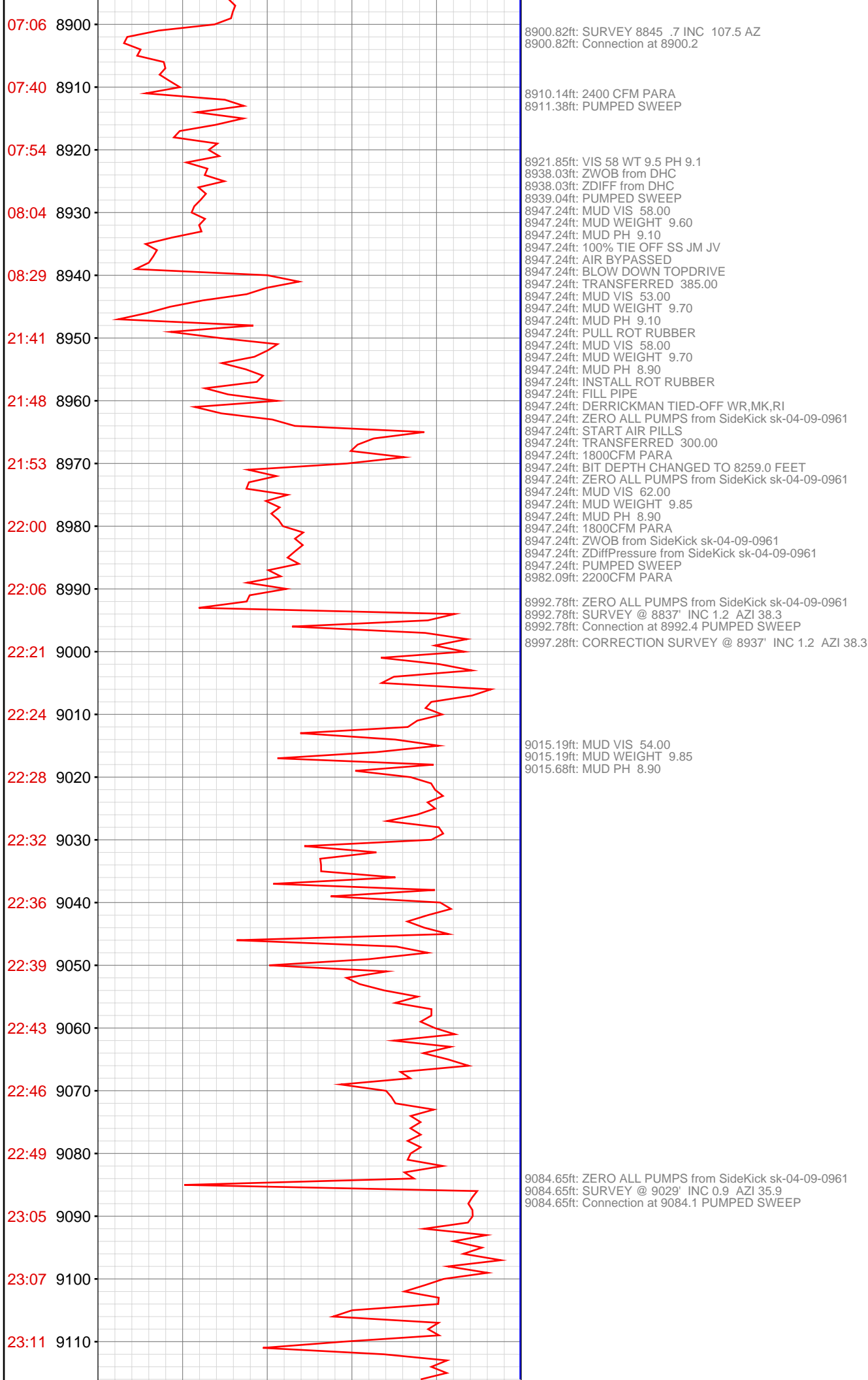
8534.22ft: SURVEY @ 8478' INC 5.1 AZI 246.5  
8534.22ft: Connection at 8533.3 PUMPED SWEEP

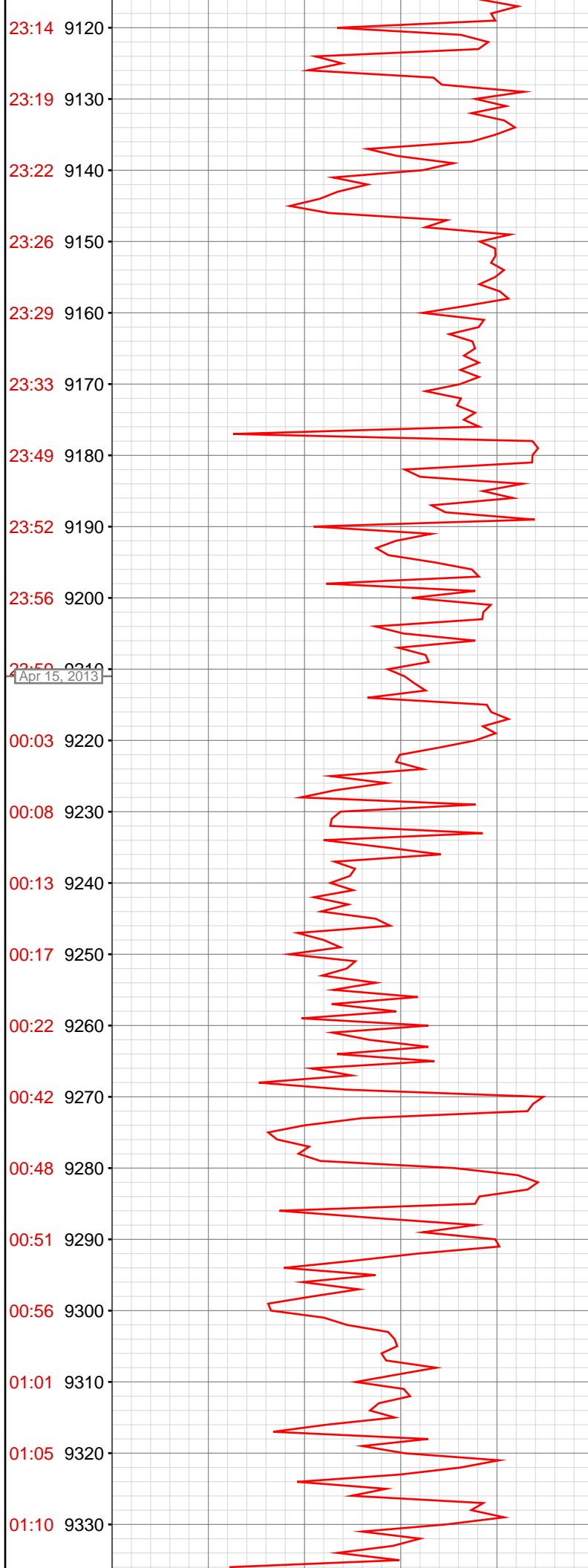
8546.23ft: MUD VIS 56.00  
8546.23ft: MUD WEIGHT 9.40  
8546.23ft: MUD PH 9.10

8625.49ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
8625.49ft: SURVEY @ 8570' INC 2.4 AZI 240.3  
8625.49ft: Connection at 8625.0 PUMPED SWEEP  
8629.63ft: TRANSFER PRE-MIX TO ACTIVE

8652.53ft: MUD VIS 66.00  
8652.99ft: MUD WEIGHT 9.40  
8652.99ft: MUD PH 9.30





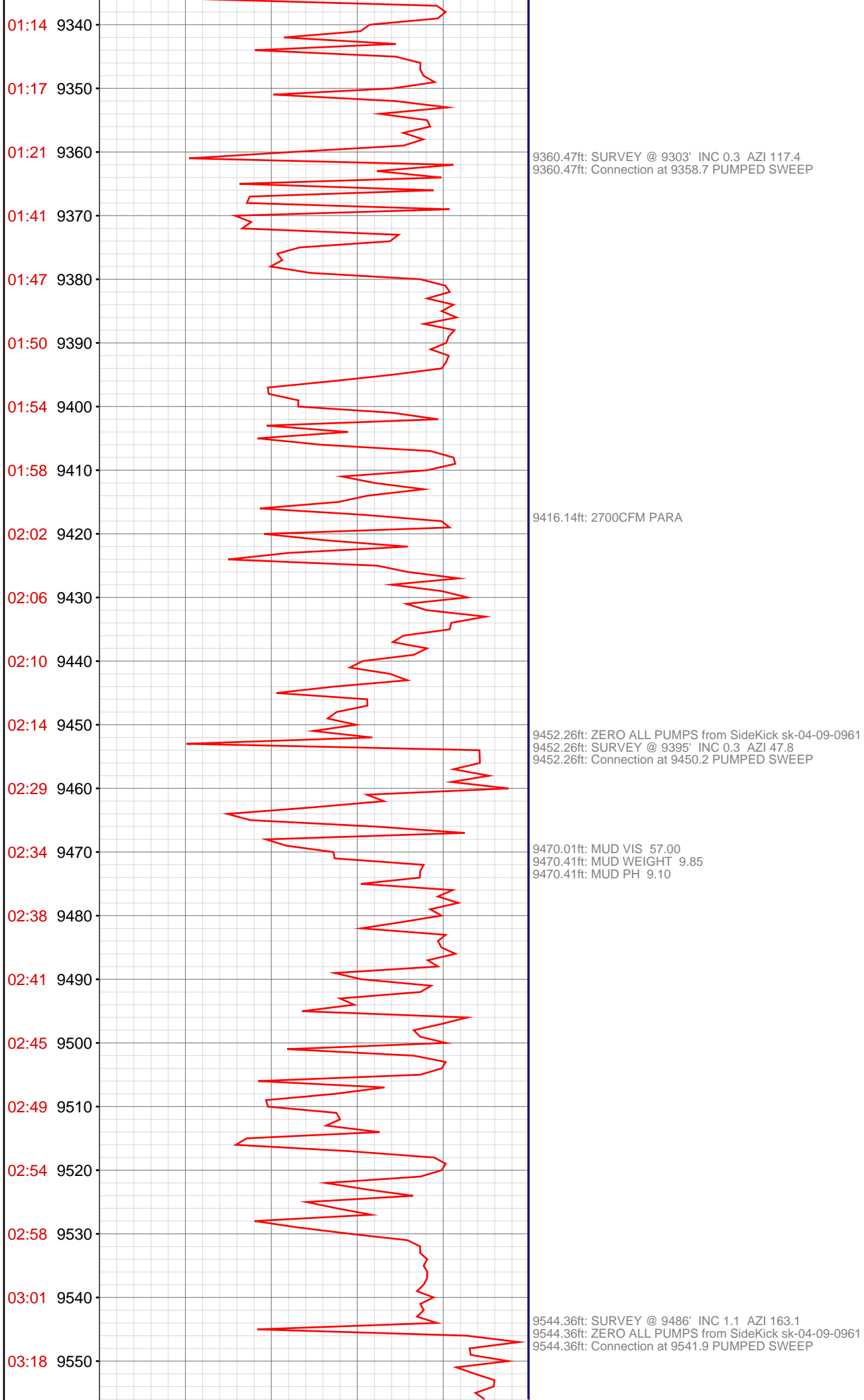


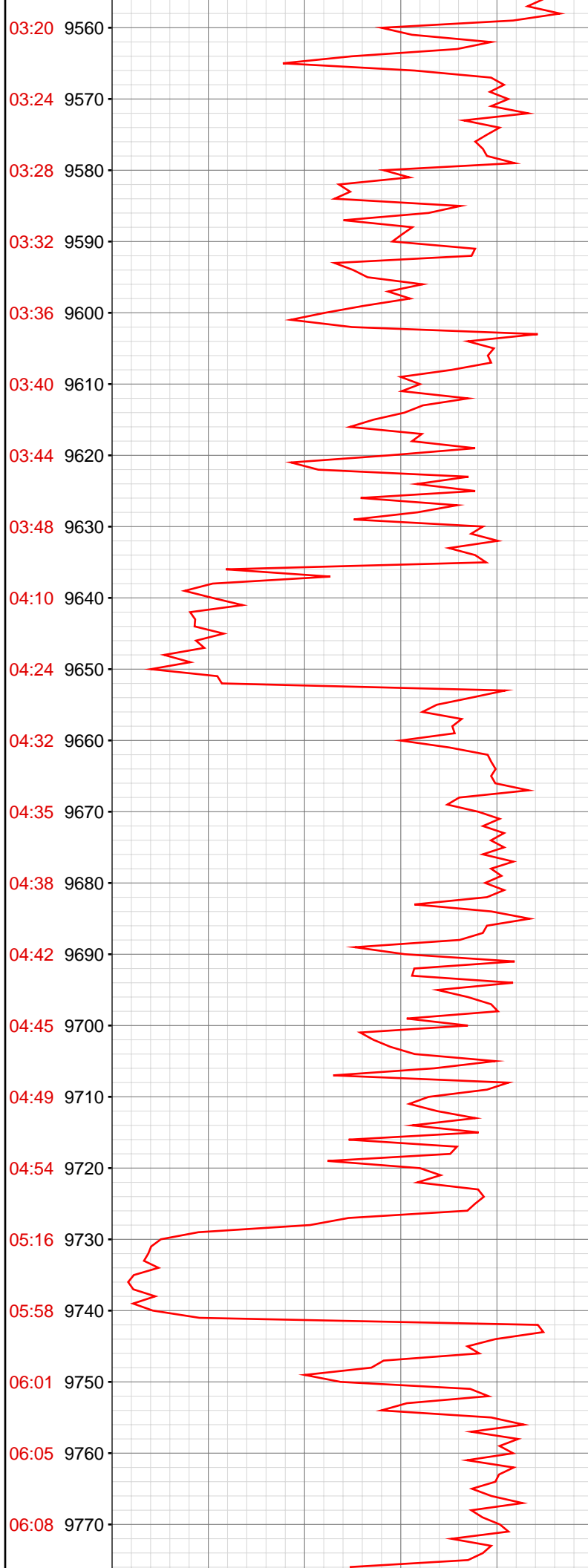
9175.49ft: 2700CFM PARA  
9176.51ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
9176.51ft: SURVEY @ 9120' INC 0.7 AZI 65.3  
9176.51ft: Connection at 9175.7 PUMPED SWEEP

9208.01ft: MUD VIS 65.00  
9208.30ft: MUD WEIGHT 9.80  
9208.30ft: MUD PH 8.90

9268.04ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
9268.04ft: TRANSFER PREMIX TO ACTIVE  
9268.04ft: SURVEY @ 9212' INC 0.7 AZI 55.7  
9268.04ft: Connection at 9267.2

9293.64ft: MUD VIS 60.00  
9293.87ft: MUD WEIGHT 9.80  
9294.00ft: MUD PH 9.20





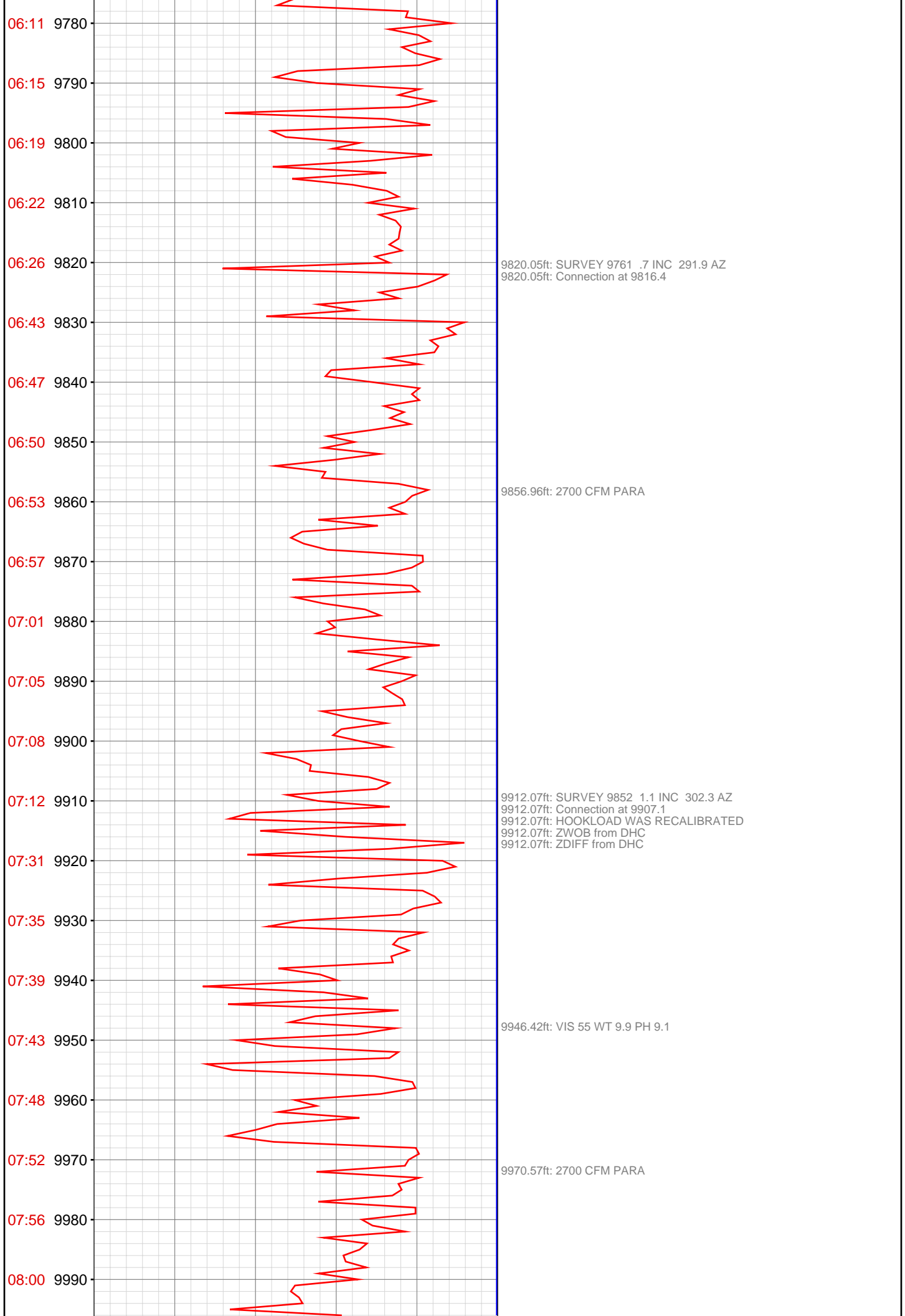
9635.96ft: MUD VIS 59.00  
9635.96ft: MUD WEIGHT 9.90  
9635.96ft: MUD PH 8.80  
9635.96ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
9635.96ft: SURVEY @ 9578' INC 1.5 AZI 188.6  
9635.96ft: Connection at 9633.7 PUMPED SWEEP

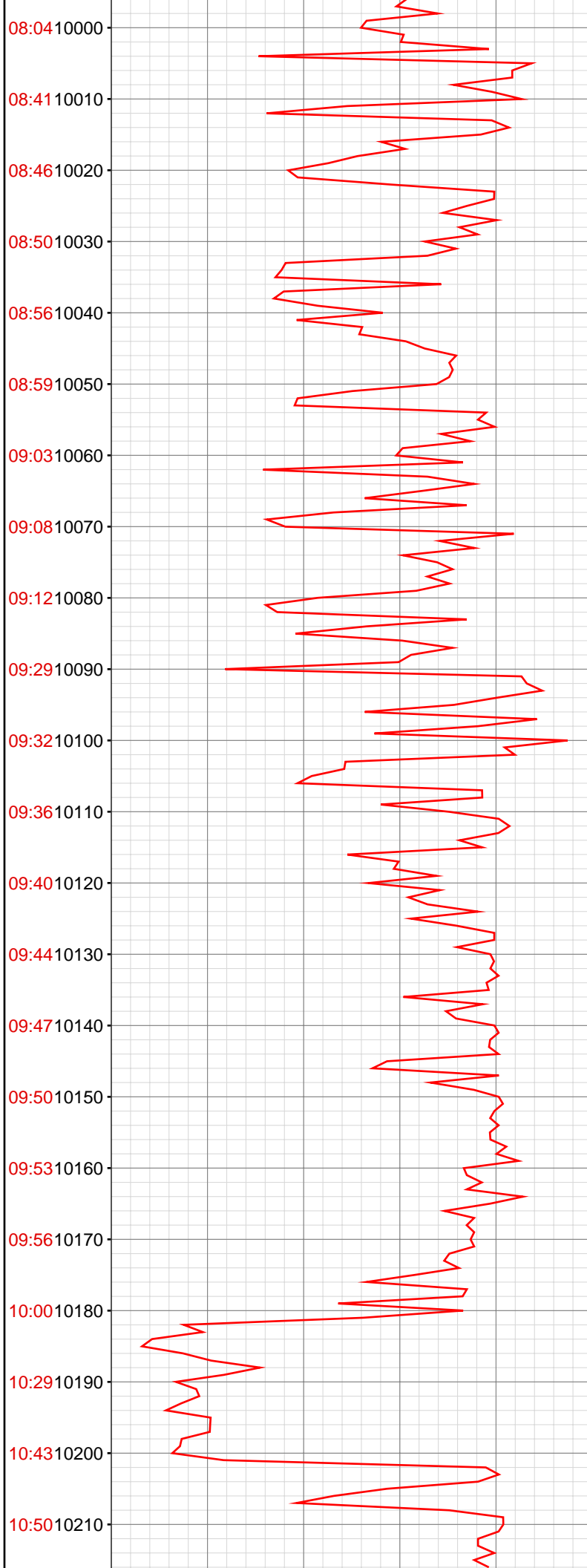
9699.44ft: 2700CFM PARA

9717.22ft: MUD VIS 54.00  
9717.72ft: MUD WEIGHT 9.95  
9717.72ft: MUD PH 9.30

9727.92ft: SURVEY @ 9670' INC 0.8 AZI 122.4  
9727.92ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
9727.92ft: Connection at 9725.1  
9727.92ft: PUMPED SWEEP

9739.14ft: 2700CFM PARA  
9740.88ft: VIS 53 WT 9.9 PH 9.3





10003.94ft: SURVEY 9943 .5 INC 309.1 AZ  
10003.94ft: Connection at 9998.9

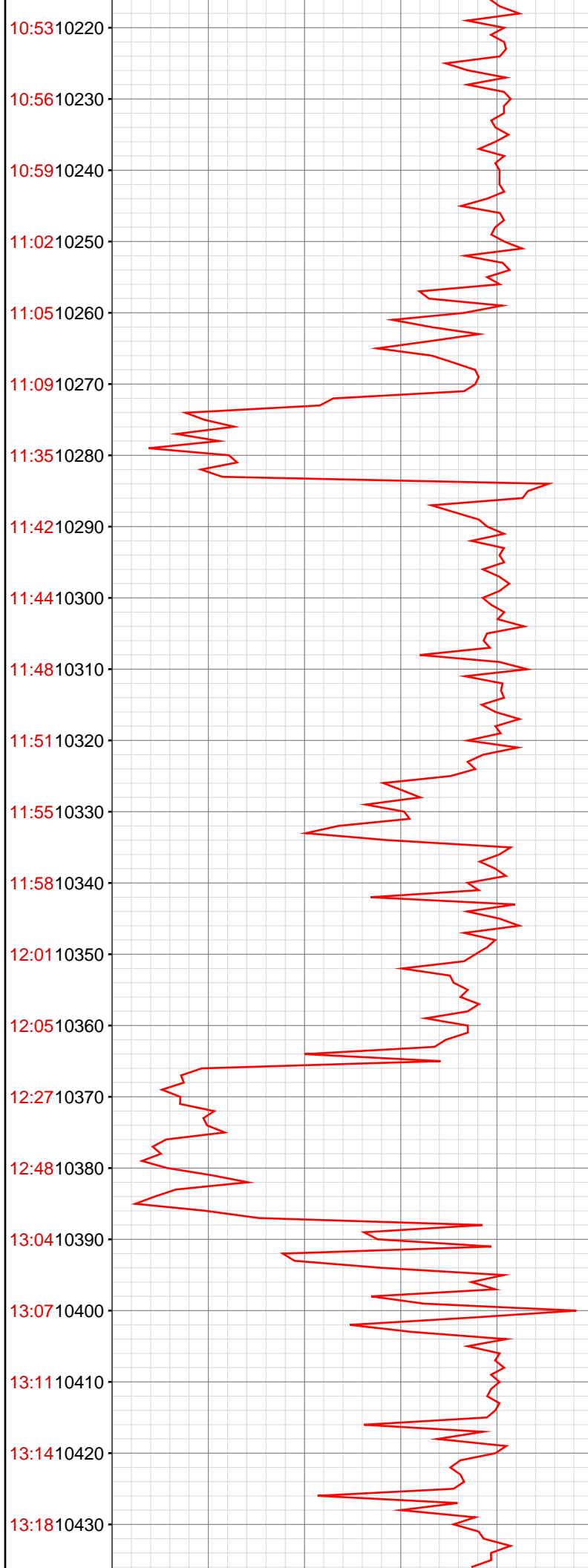
10042.82ft: 2700 CFM PARA

10089.47ft: SURVEY 10035 .8 INC 238.0 AZ  
10089.47ft: Connection at 10090.6  
10089.47ft: VIS 62 WT 10.1 PH 9.1

10145.01ft: TRANSFERRED 375.00

10181.27ft: SURVEY 10127 1.7 INC 255.7 AZ  
10181.27ft: Connection at 10182.3  
10181.27ft: 2700 CFM PARA

10193.73ft: VIS 61 WT 10.15 PH 9.1

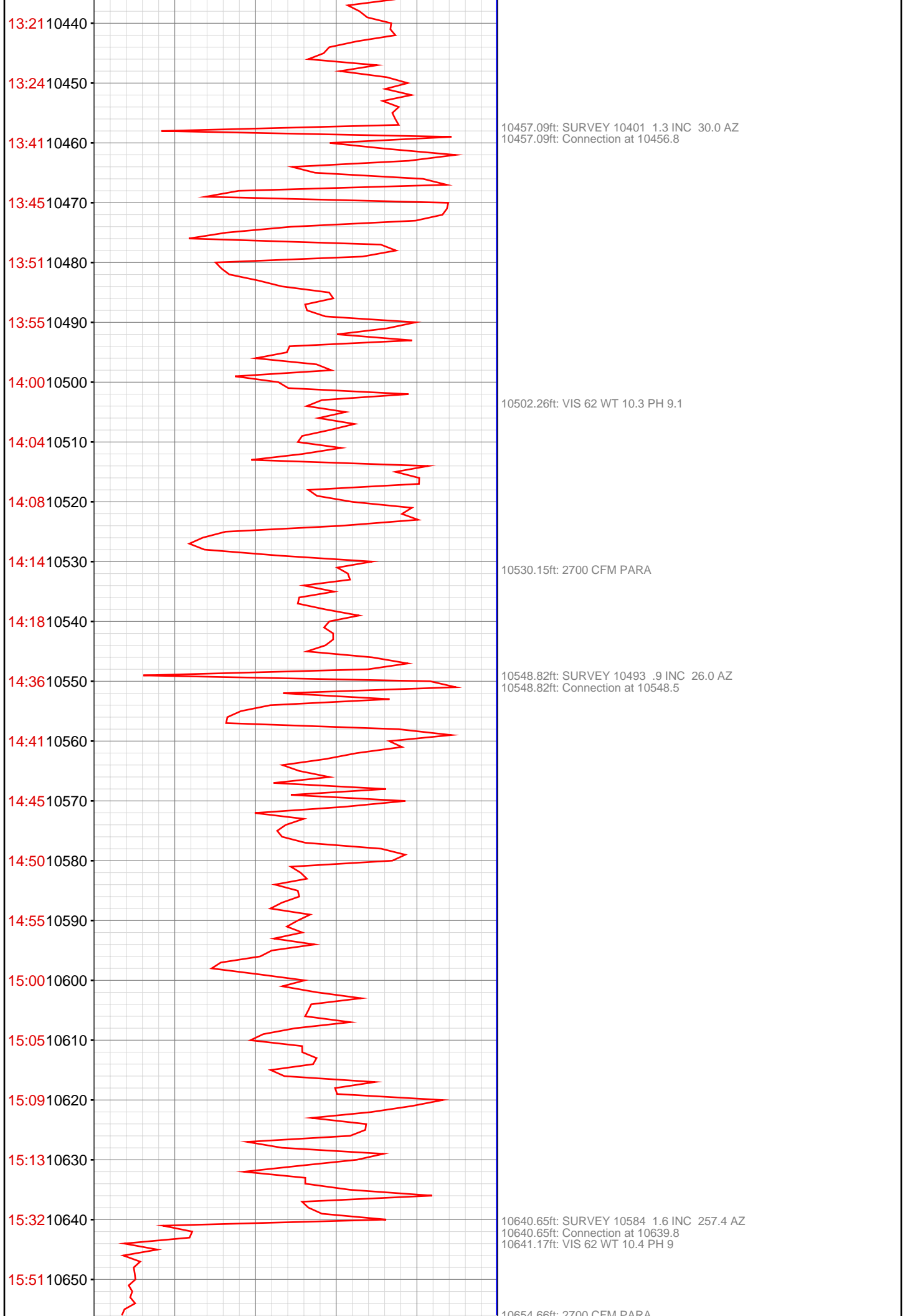


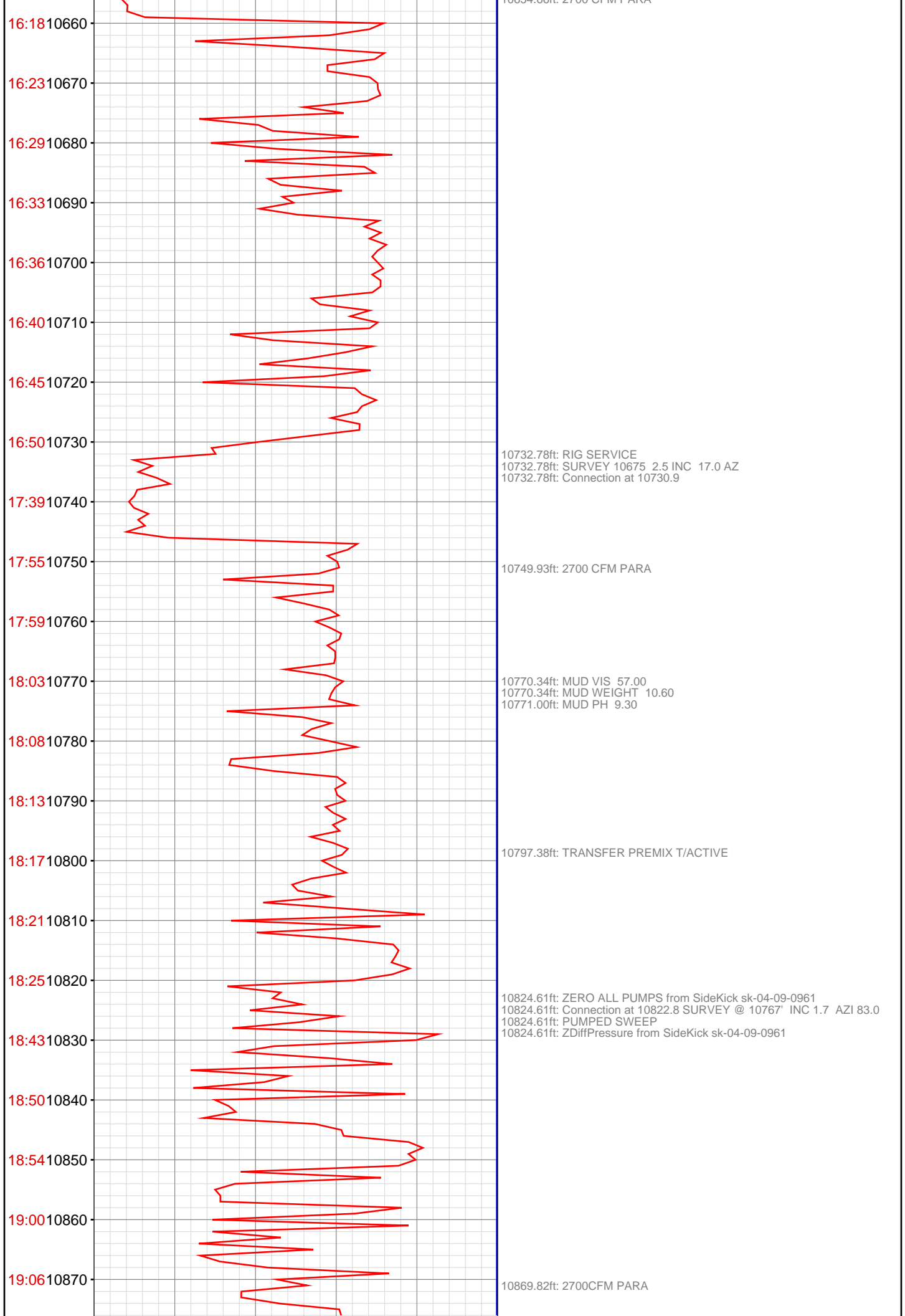
10273.36ft: SURVEY 10218 1.0 INC 132.8 AZ  
10273.36ft: Connection at 10273.3  
10277.59ft: 2700 CFM PARA  
10278.74ft: VIS 62 WT 10.25 PH 9.1

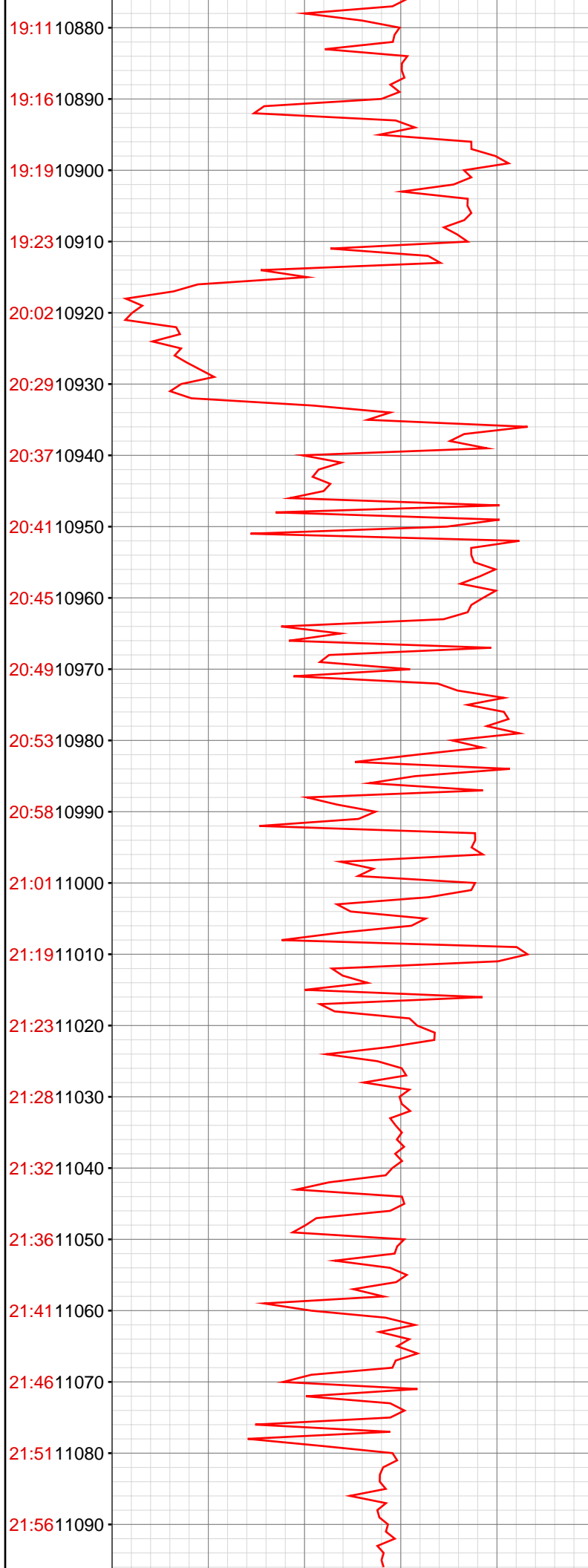
10365.35ft: SURVEY 10310 .8 INC 170.5 AZ  
10365.35ft: Connection at 10365.1

10373.06ft: 2700 CFM PARA

10378.05ft: VIS 61 WT 10.3 PH 9.1







10882.61ft: MUD VIS 62.00  
10883.01ft: MUD WEIGHT 10.40  
10883.14ft: MUD PH 9.30

10915.98ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
10915.98ft: SURVEY @ 10859' INC 2.0 AZI 63.5  
10915.98ft: Connection at 10914.6  
10915.98ft: PUMPED SWEEP  
10922.21ft: MUD VIS 60.00  
10922.21ft: MUD WEIGHT 10.45  
10922.21ft: MUD PH 9.10

10975.36ft: 2700CFM PARA

11007.45ft: SURVEY @ 10951' INC 1.0 AZI 156.5  
11007.45ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
11007.45ft: Connection at 11006.1 PUMPED SWEEP

11041.17ft: MUD VIS 58.00  
11041.44ft: MUD WEIGHT 10.40  
11041.44ft: MUD PH 9.50

11098.69ft: SURVEY @ 11042' INC 0.7 AZI 171.3  
11098.69ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
11098.69ft: Connection at 11097.7  
11098.69ft: PUMPED SWEEP

11122.08ft: 2700CFM PARA

11168.01ft: MUD VIS 64.00  
11168.34ft: MUD WEIGHT 10.45  
11168.34ft: MUD PH 9.50

11190.78ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
11190.78ft: SURVEY @ 11134' INC 0.4 INC 207.5  
11190.78ft: Connection at 11189.5 PUMPED SWEEP

11282.51ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
11282.51ft: Connection at 11280.5 PUMPED SWEEP  
11282.51ft: MUD VIS 58.00  
11282.51ft: MUD WEIGHT 10.45  
11282.51ft: MUD PH 9.20

22:15 11100

22:19 11110

22:23 11120

22:29 11130

22:33 11140

22:37 11150

22:41 11160

22:45 11170

22:49 11180

23:08 11190

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23:26 11230

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23:35 11250

23:40 11260

23:44 11270

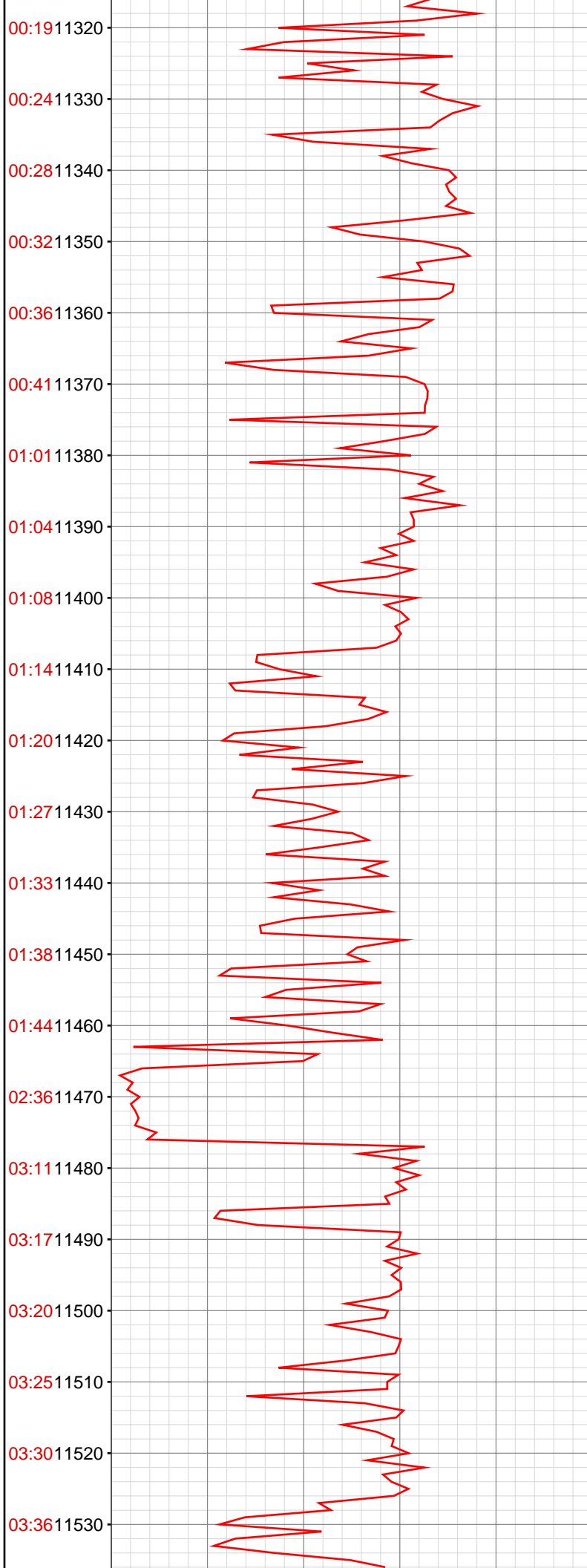
23:49 11280

Apr 16, 2013

00:07 11290

00:10 11300

00:14 11310



11374.25ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
11374.25ft: Connection at 11372.0 PUMPED SWEEP  
11374.25ft: SURVEY @ 11317' INC 1.3 AZI 201.9

11426.77ft: MUD VIS 55.00  
11426.77ft: MUD WEIGHT 10.55  
11427.00ft: MUD PH 9.00  
11428.08ft: 2700CFM PARA

11462.01ft: SURVEY @ 11407' INC 1.5 AZI 204.0  
11466.37ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
11466.37ft: Connection at 11462.9 PUMPED SWEEP  
11469.46ft: MUD VIS 58.00  
11469.46ft: MUD WEIGHT 10.55  
11469.46ft: MUD PH 8.90

11500.10ft: 2700CFM PARA

11526.71ft: TRANSFER PREMIX TO ACTIVE

