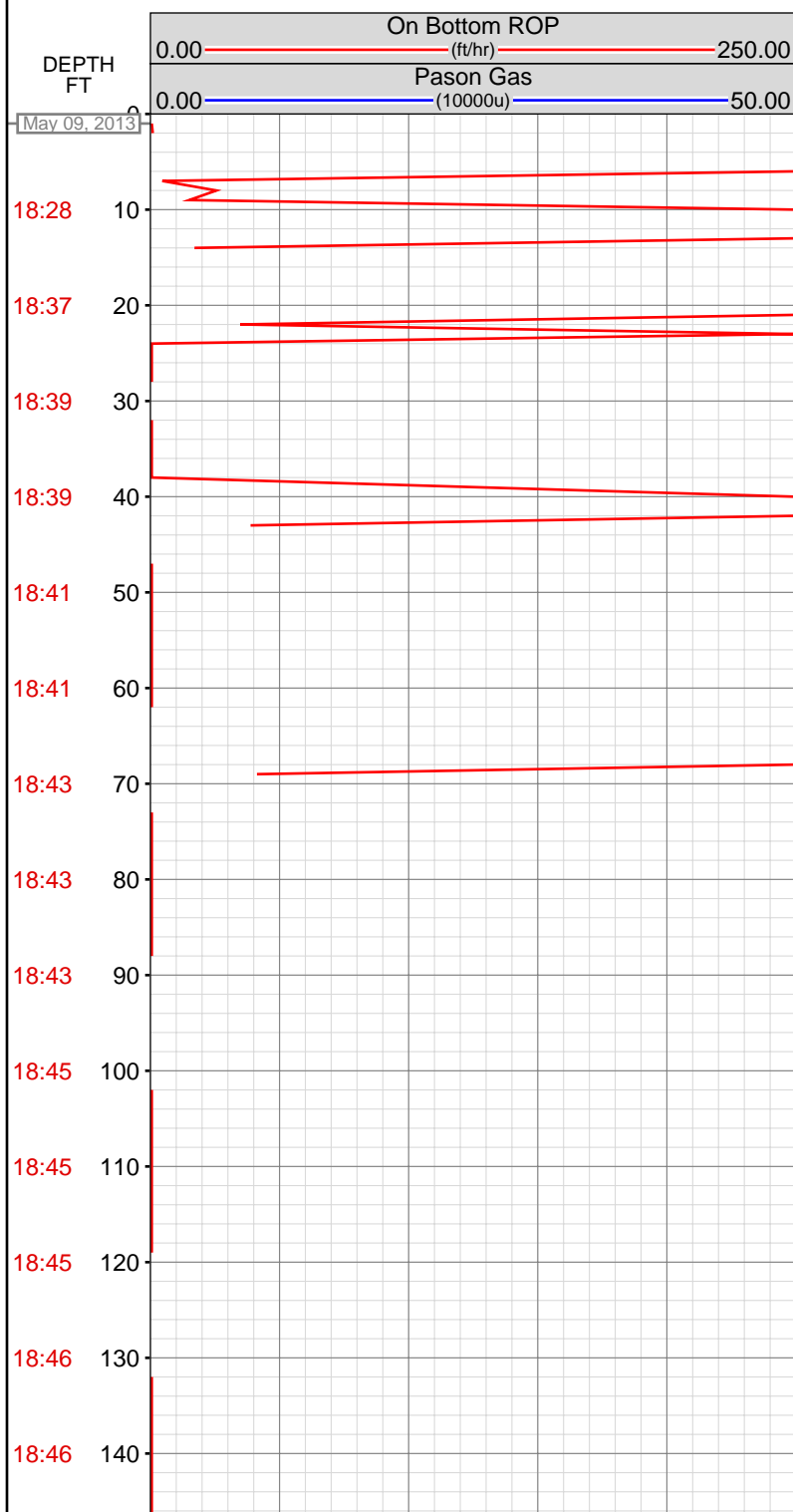


# DataHub EDR Log

Thu May 16, 2013 14:10:29  
Well Dossier 1368084643  
Greg Veregin

**OPERATOR:** EnCana Oil & Gas (USA), Inc.  
**WELL:** SG 8512D-36 D36 496  
**FIELD:**  
**LOCATION:** LOT 4 SEC 36 T4S-R96W, 6TH PM  
**COUNTRY:** USA  
**RIG:** Pat-UTI 326

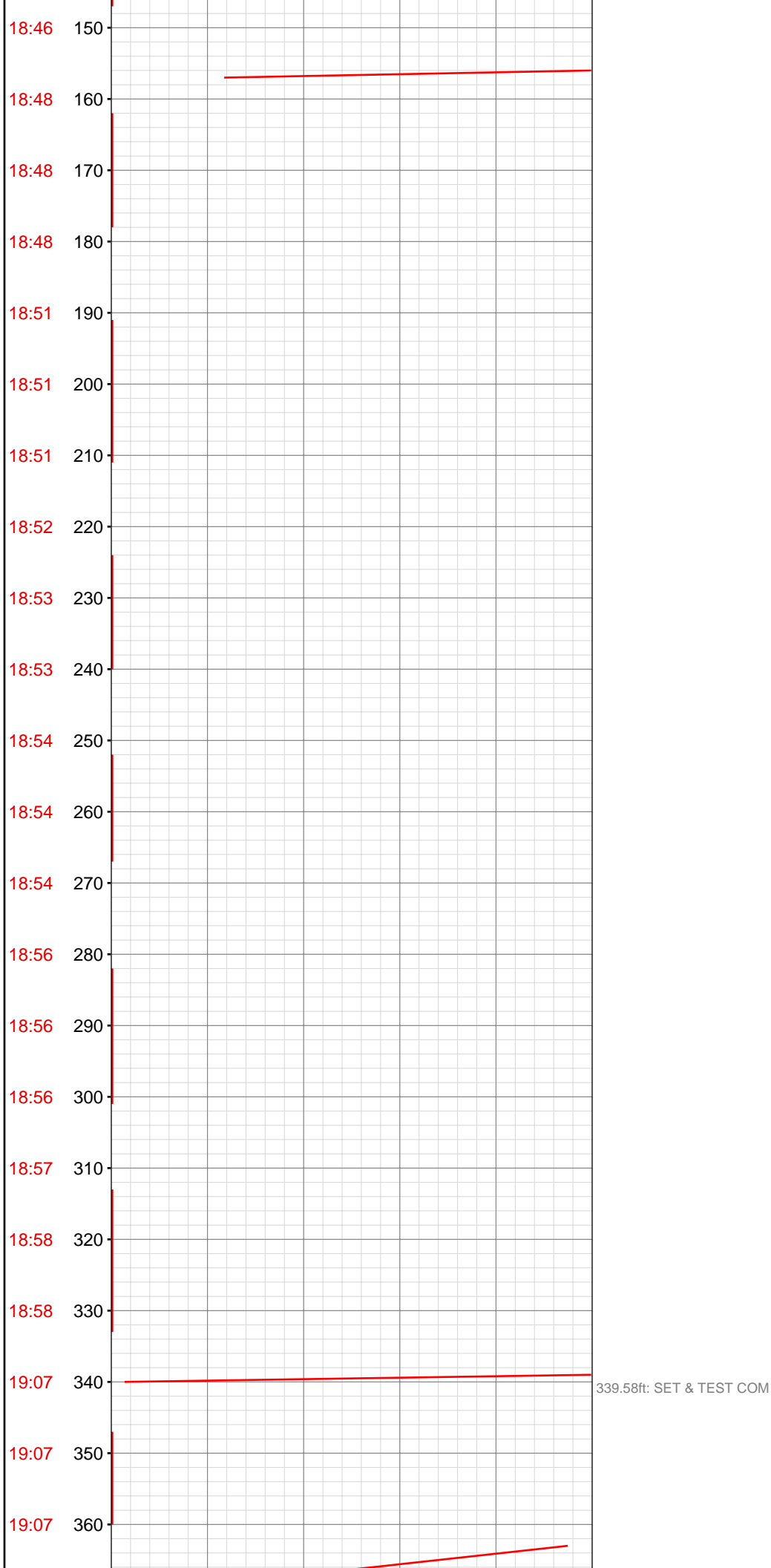
**CONTRACTOR:** Patterson-UTI Drilling Company  
**UNIQUE WELL ID:**  
**SPUD DATE:** May 09, 2013 21:00  
**RELEASE DATE:** May 15, 2013 18:00



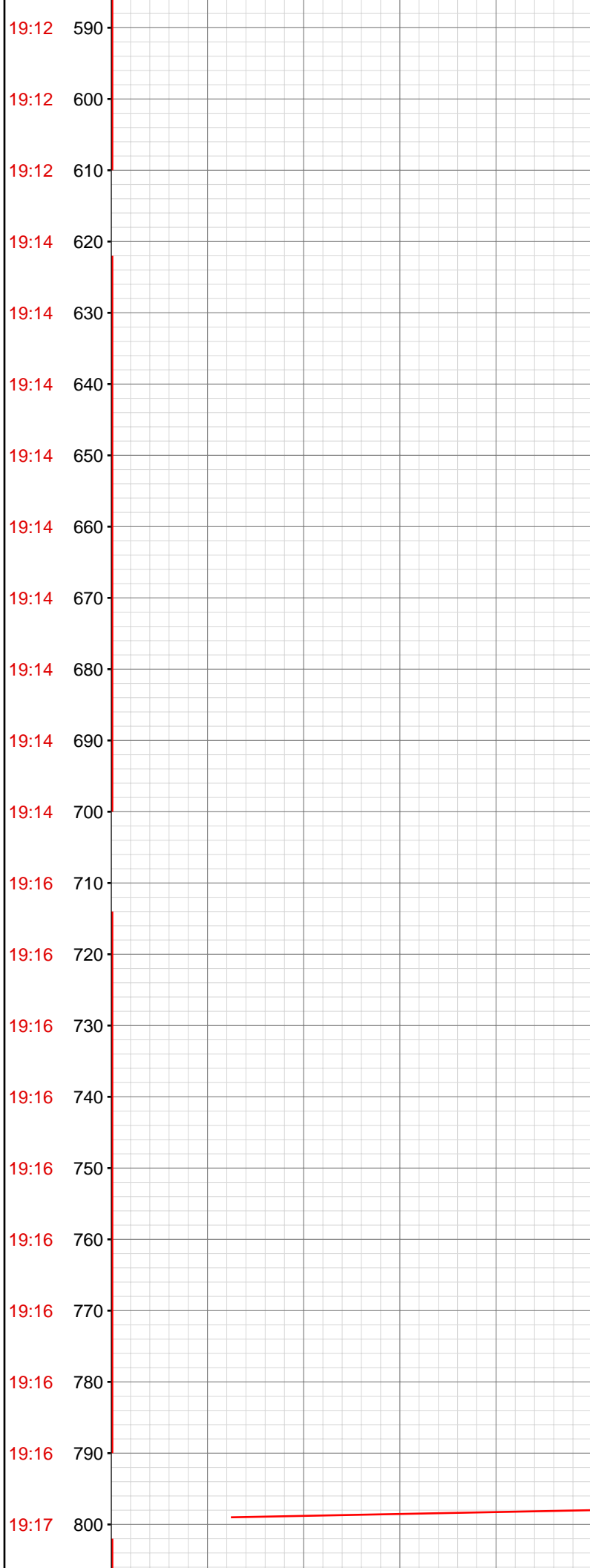
MEMOS

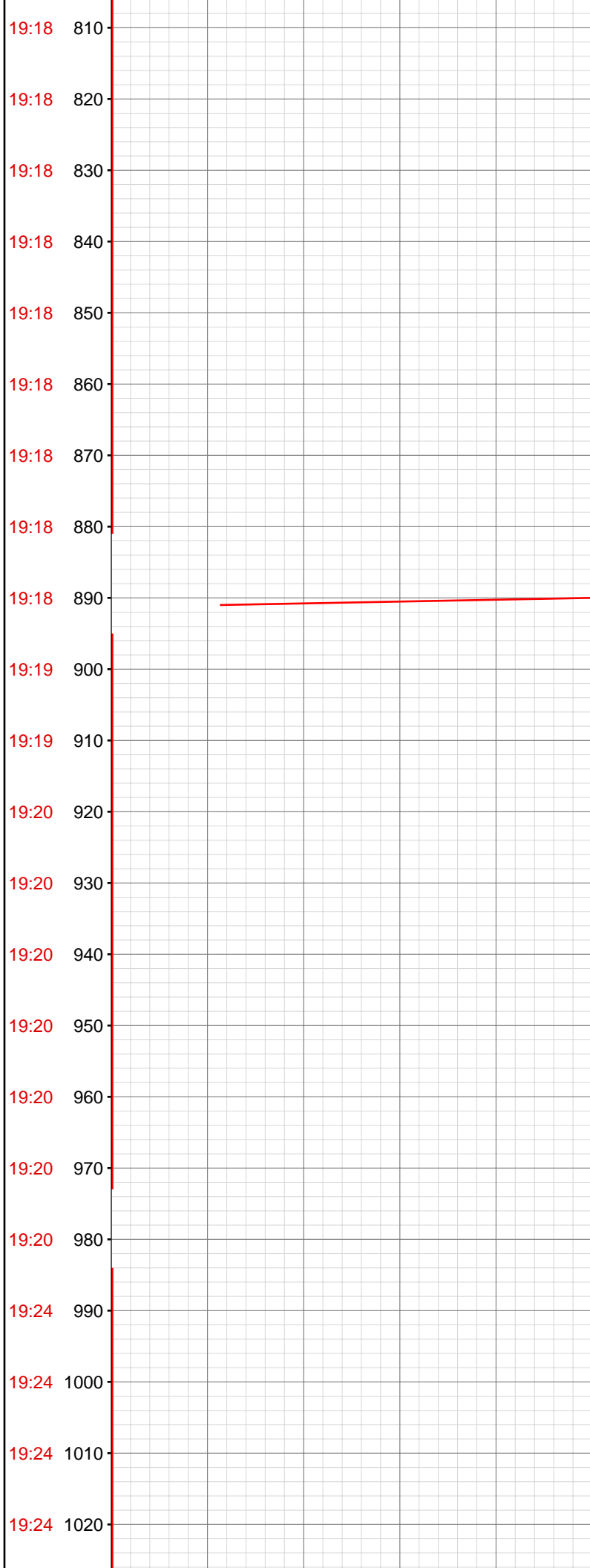
0.12ft: MUD VIS 63.00  
0.12ft: MUD WEIGHT 8.75

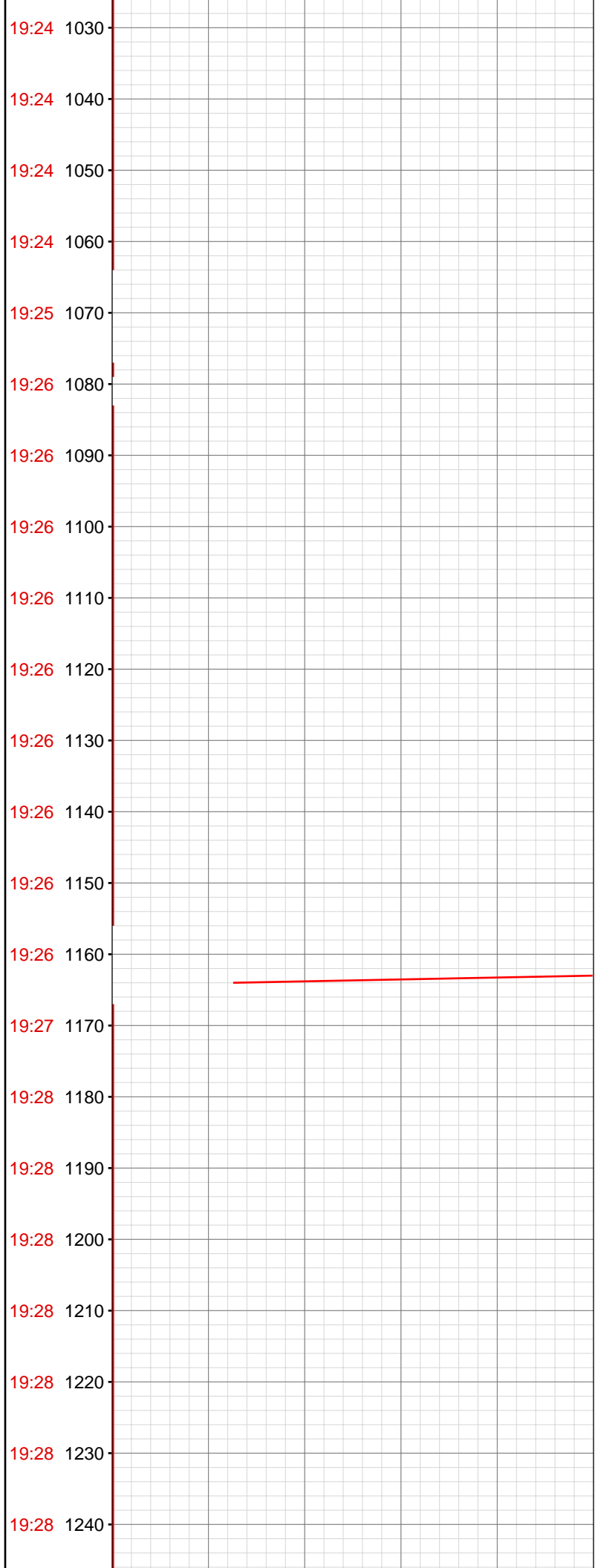
13.10ft: INSTALL ROT RUBBER  
13.84ft: Top of Shoe @ 3031' Top of Float collar 2987' TD @ 3055'

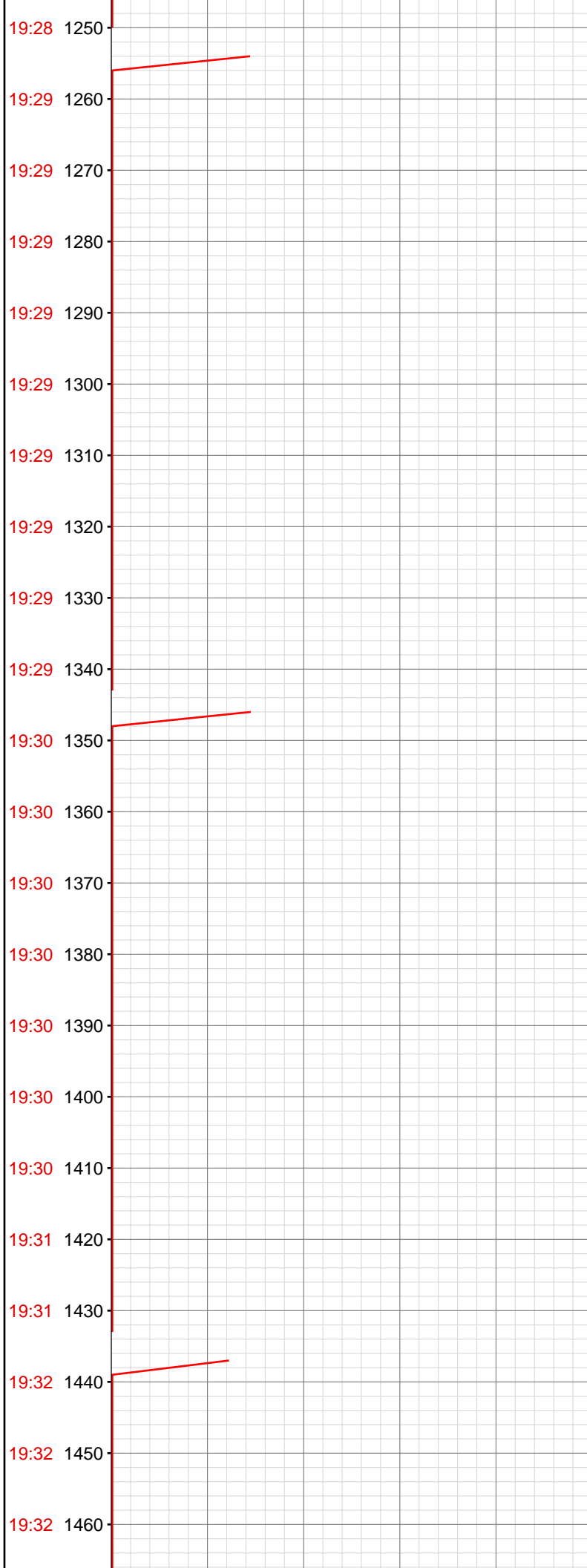


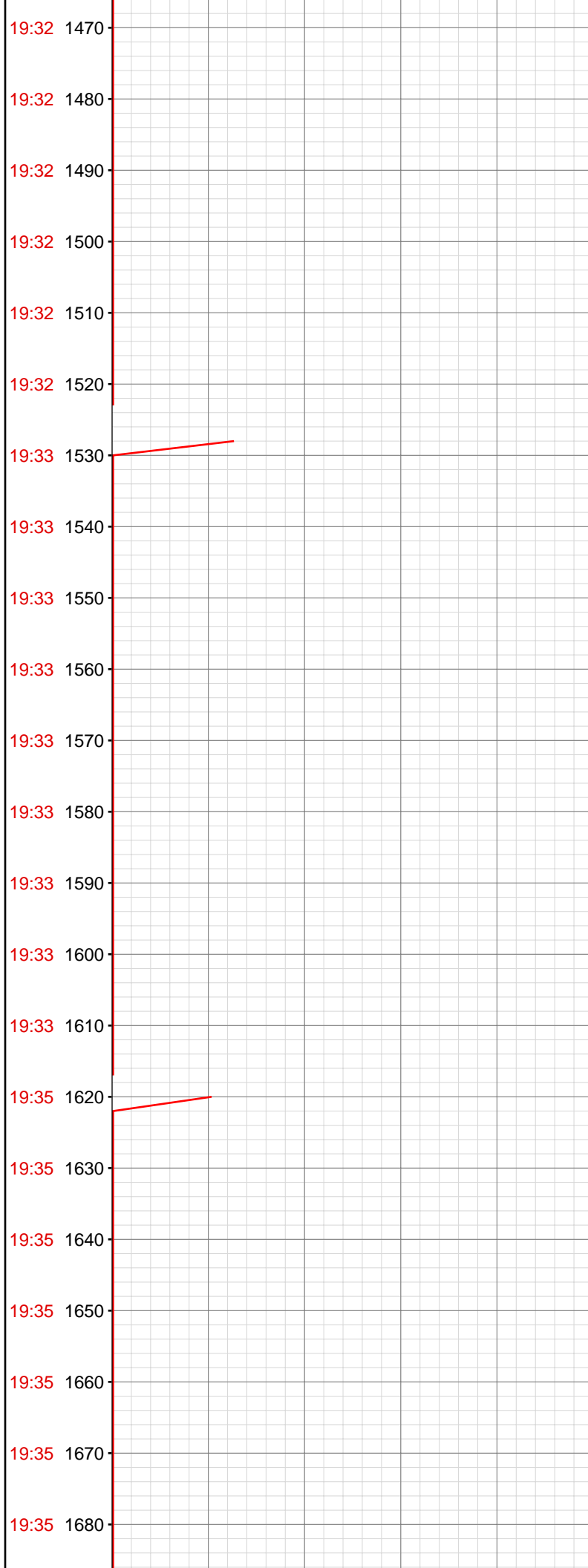














19:35 1690

19:35 1700

19:35 1710

19:36 1720

19:36 1730

19:36 1740

19:36 1750

19:36 1760

19:36 1770

19:36 1780

19:36 1790

19:36 1800

19:38 1810

19:38 1820

19:38 1830

19:38 1840

19:38 1850

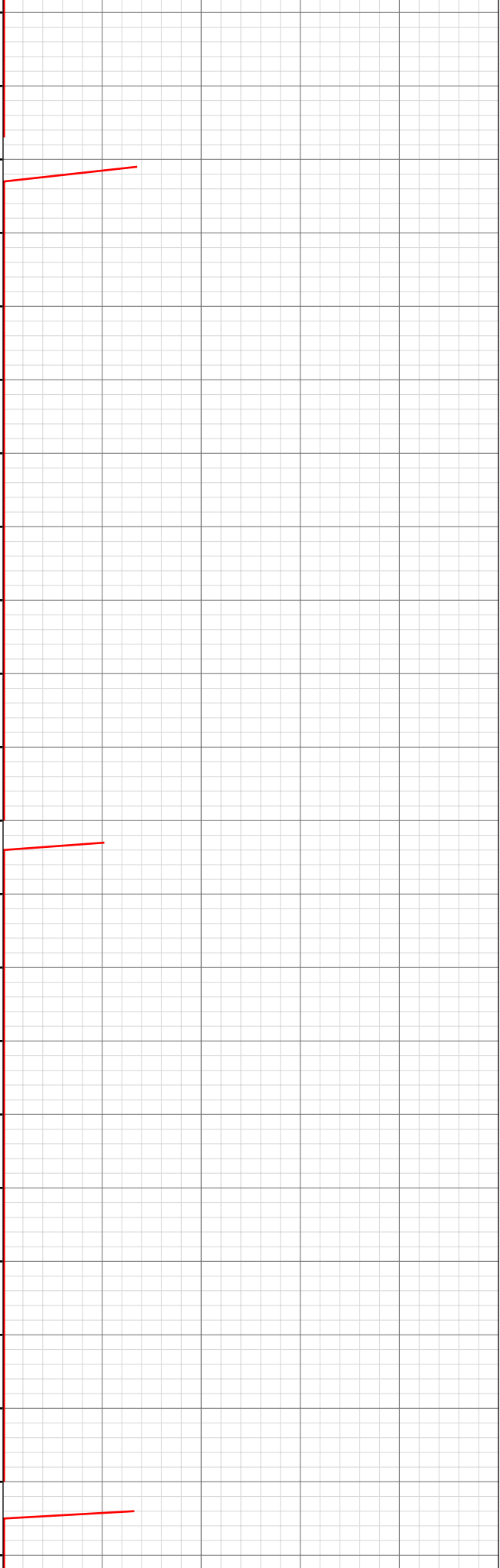
19:38 1860

19:38 1870

19:38 1880

19:38 1890

19:39 1900



1802.44ft: TESTED DP 3200PSI GOOD

19:39 1910

19:39 1920

19:39 1930

19:39 1940

19:39 1950

19:39 1960

19:39 1970

19:39 1980

19:48 1990

19:48 2000

19:48 2010

19:48 2020

19:48 2030

19:48 2040

19:49 2050

19:49 2060

19:49 2070

19:50 2080

19:50 2090

19:50 2100

19:50 2110

19:50 2120

19:50 2130

19:50 2140

19:50 2150

19:50 2160

19:52 2170

19:52 2410

19:52 2420

19:52 2430

19:52 2440

19:52 2450

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19:52 2490

19:53 2500

19:54 2510

19:54 2520

19:54 2530

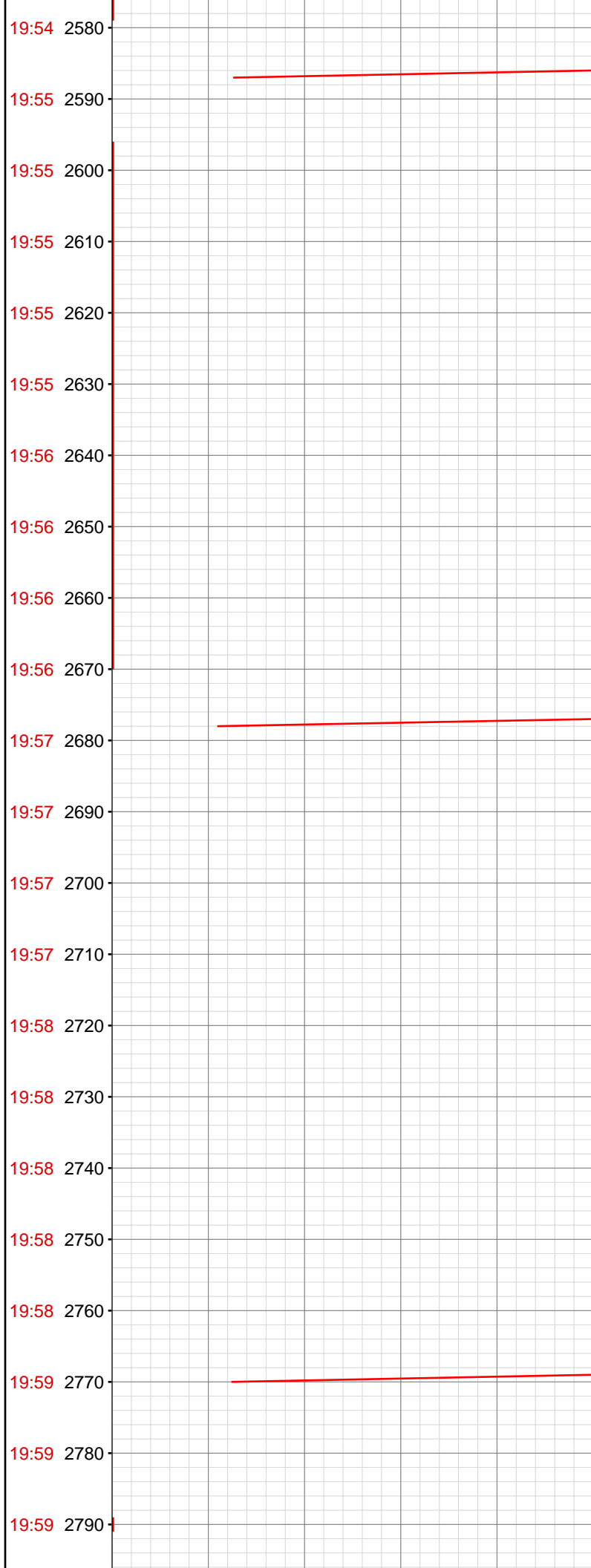
19:54 2540

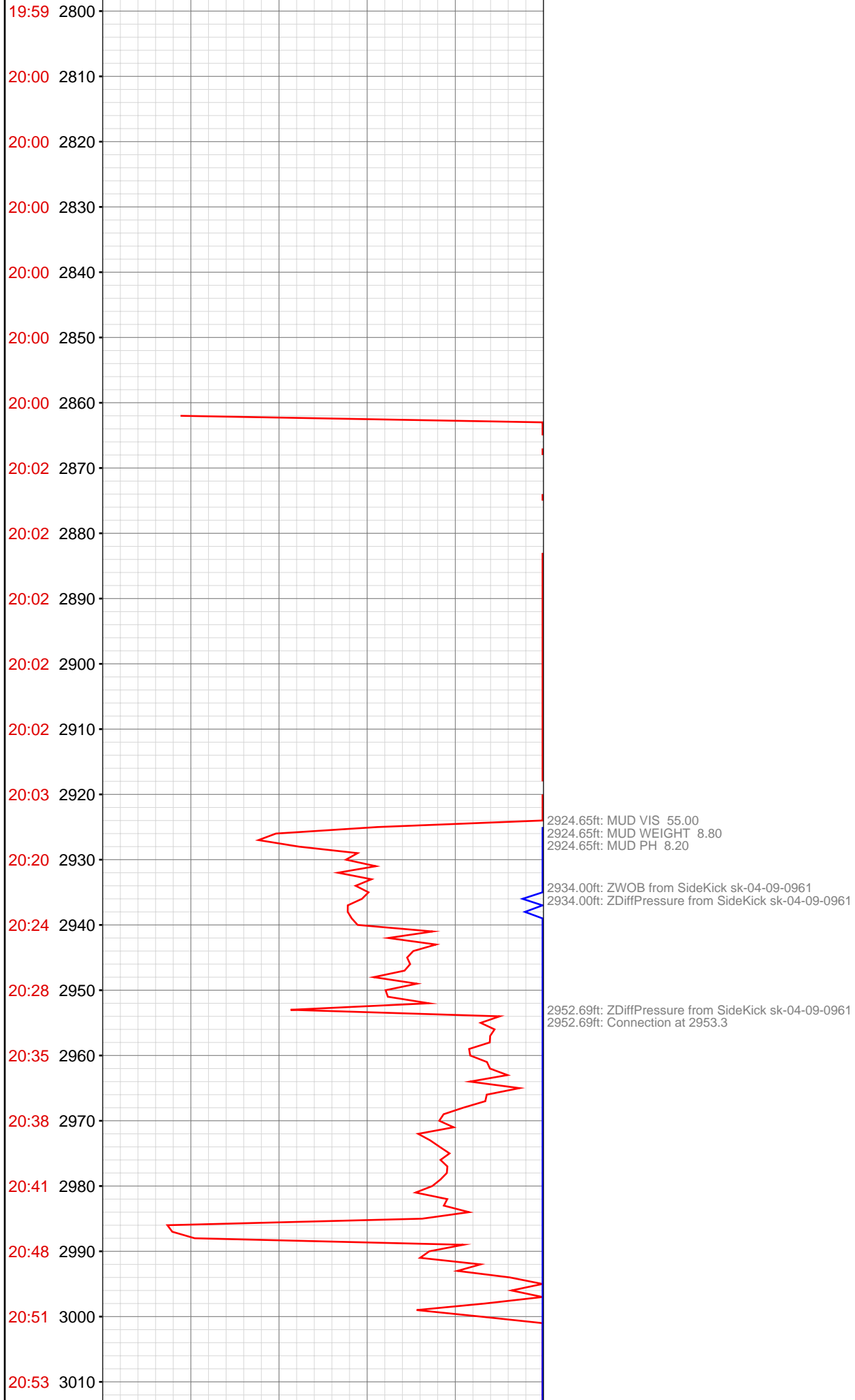
19:54 2550

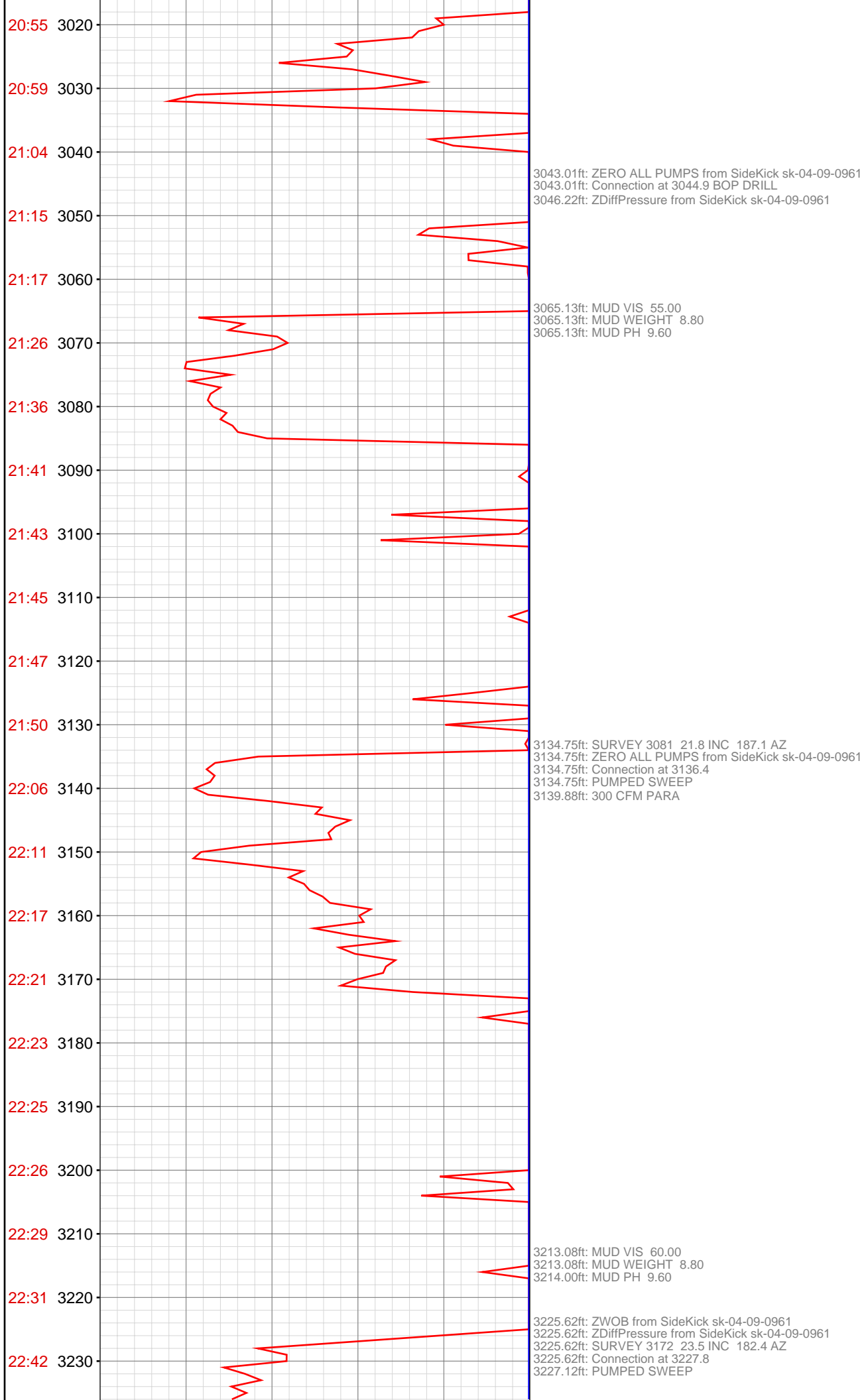
19:54 2560

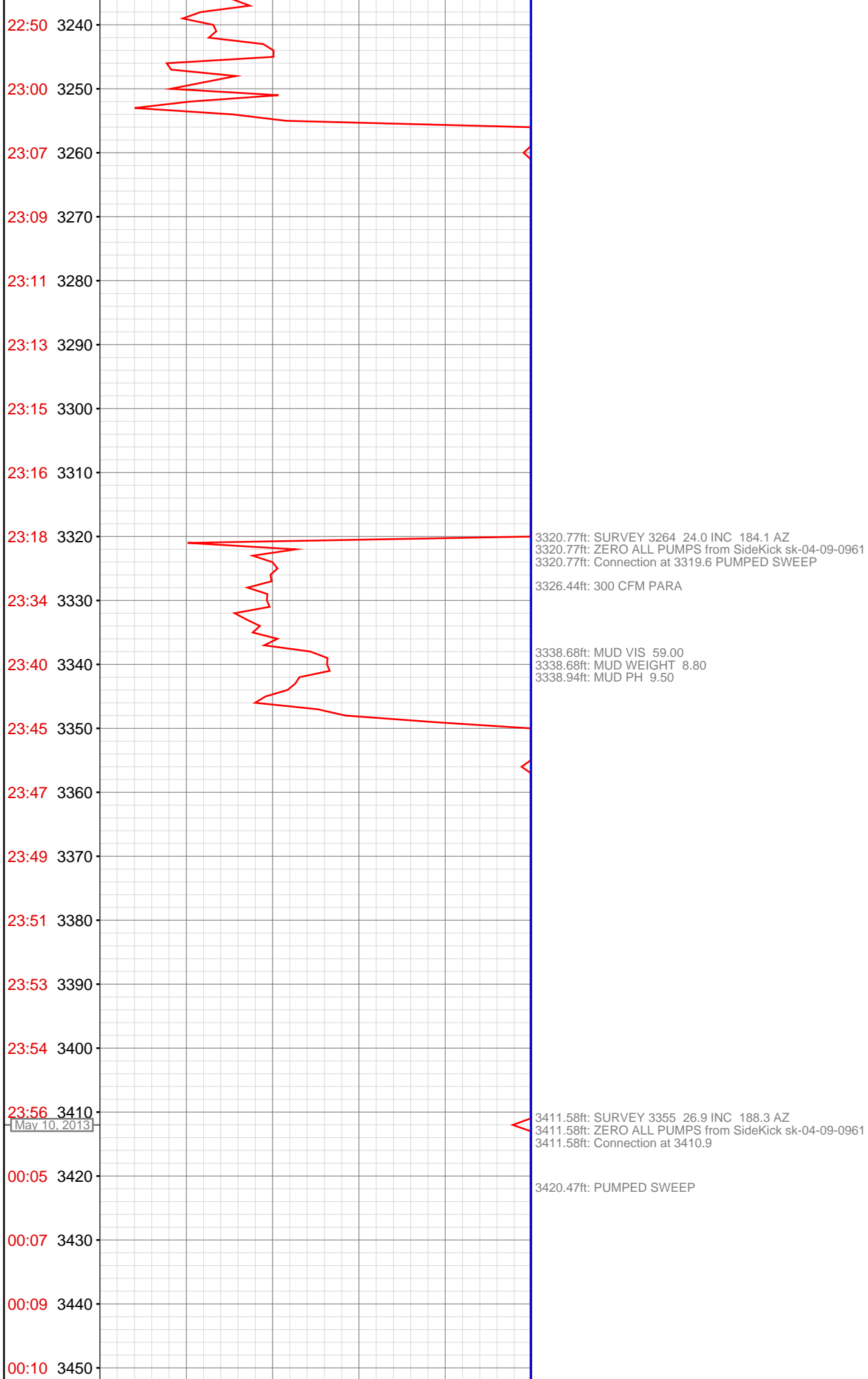
19:54 2570

2167.10ft: BIT DEPTH CHANGED TO 2404.0 FEET







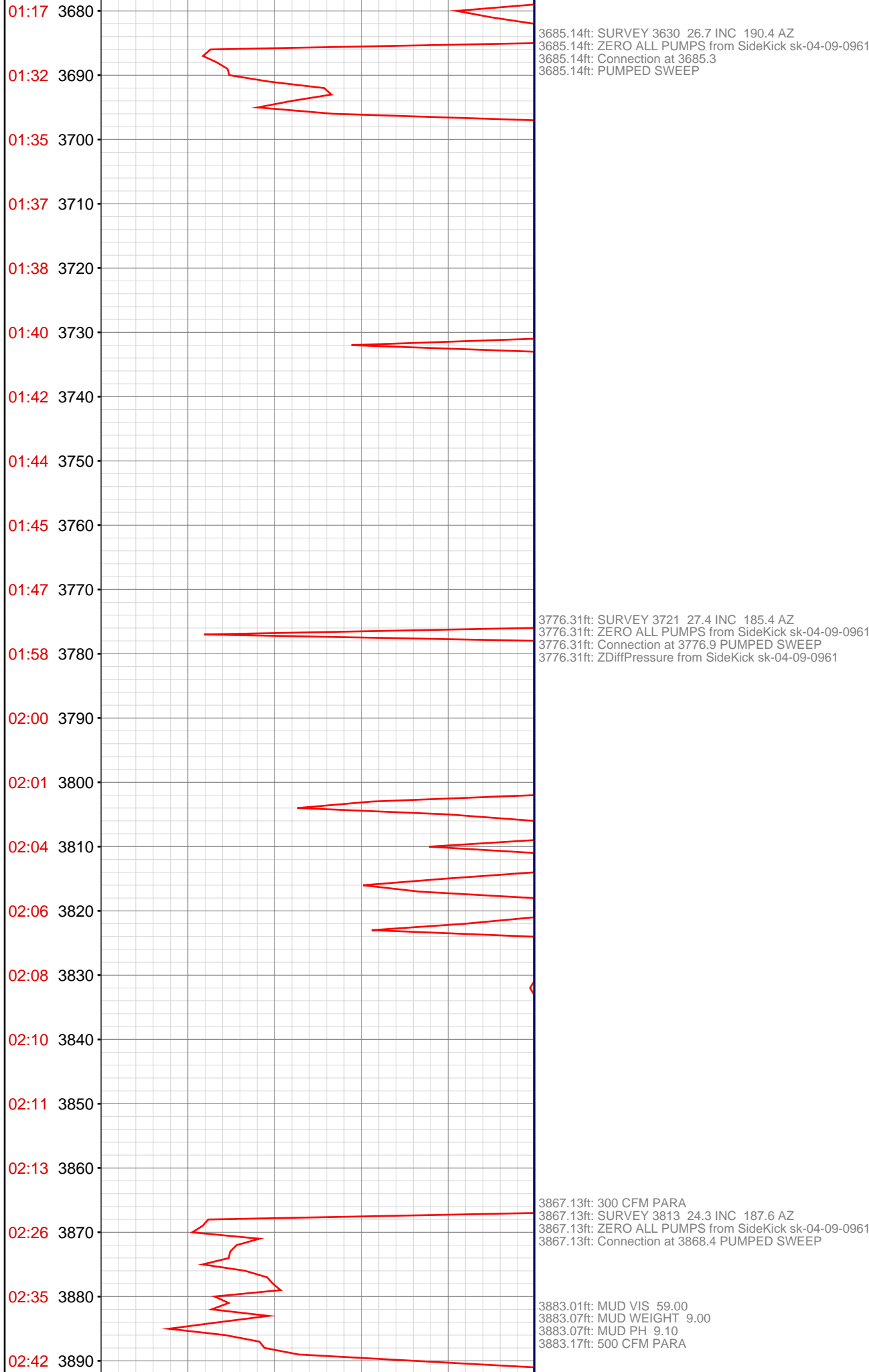


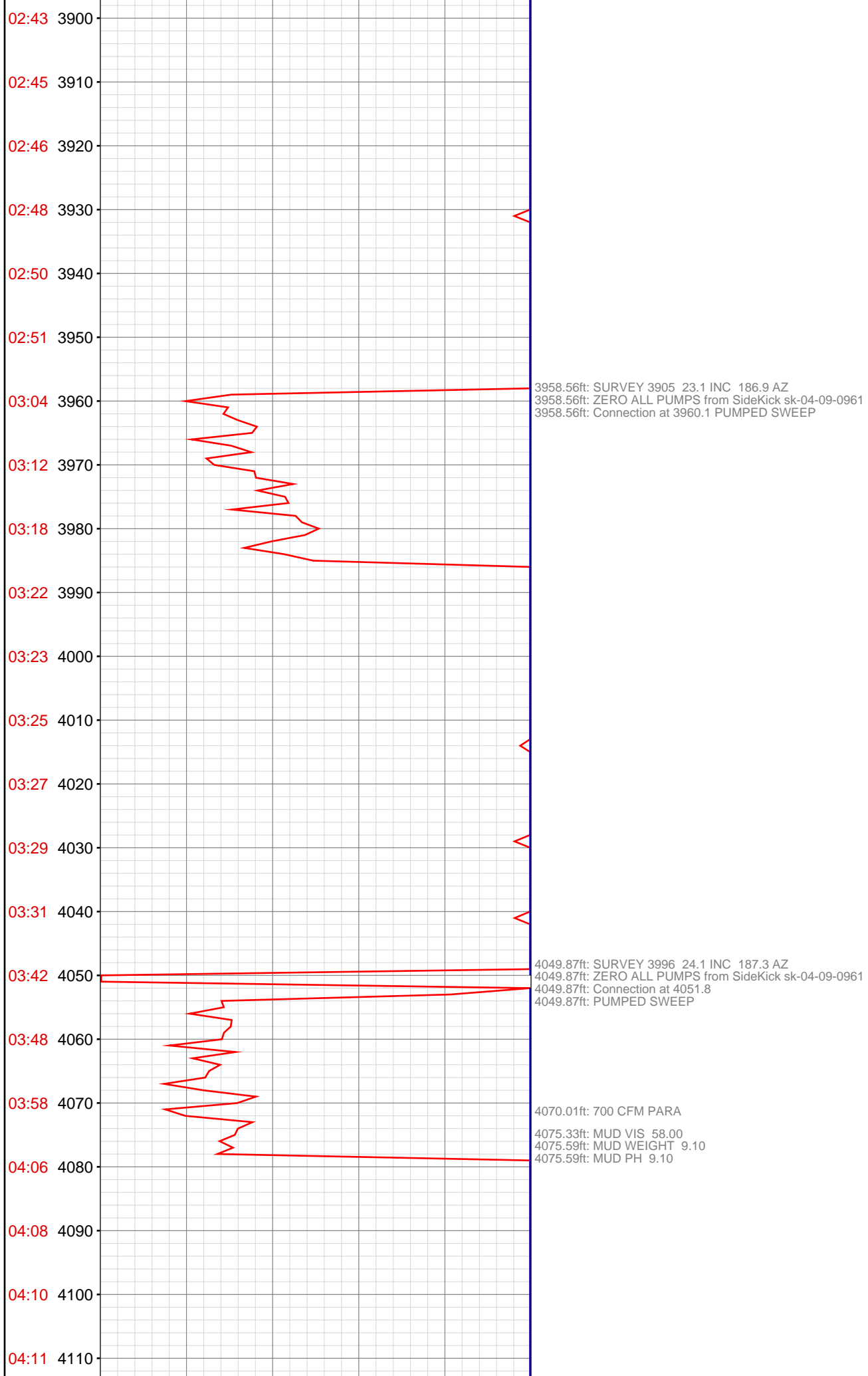
00:12 3460  
00:14 3470  
00:16 3480  
00:18 3490  
00:20 3500  
00:35 3510  
00:42 3520  
00:44 3530  
00:45 3540  
00:47 3550  
00:48 3560  
00:50 3570  
00:52 3580  
00:53 3590  
01:04 3600  
01:05 3610  
01:07 3620  
01:09 3630  
01:10 3640  
01:12 3650  
01:13 3660  
01:15 3670

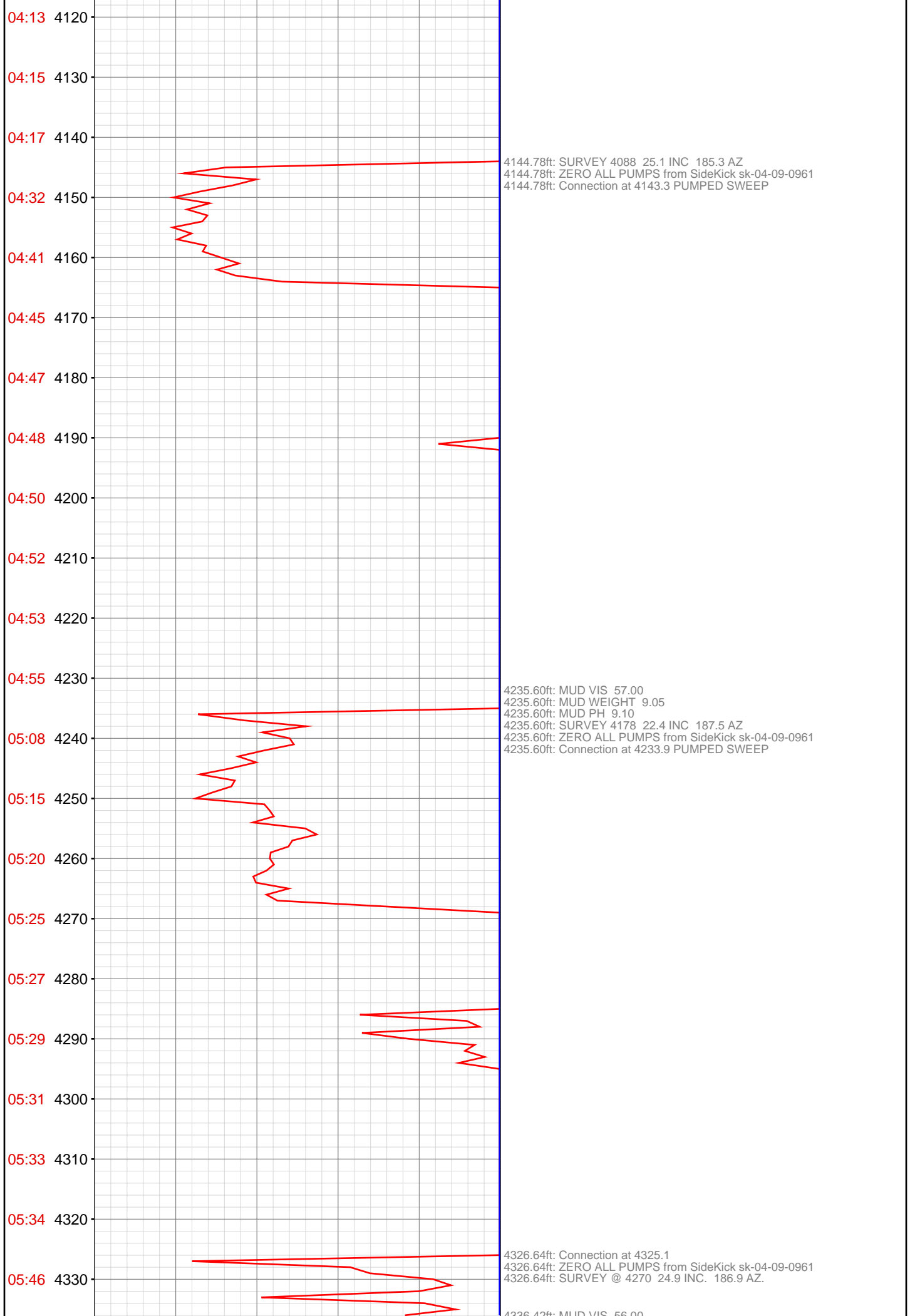
3503.02ft: ZDiffPressure from SideKick sk-04-09-0961  
3503.02ft: SURVEY 3447 25.8 INC 190.4 AZ  
3503.02ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
3503.02ft: Connection at 3502.3 PUMPED SWEEP

3593.96ft: SURVEY 3538 28.3 INC 186.6 AZ  
3593.96ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
3593.96ft: MUD VIS 58.00  
3593.96ft: MUD WEIGHT 8.85  
3593.96ft: MUD PH 9.50  
3593.96ft: Connection at 3593.9 PUMPED SWEEP









4336.42ft: MUD VIS 30.00  
4336.42ft: MUD WEIGHT 9.00  
4337.01ft: MUD PH 8.90

4356.17ft: PUMPED SWEEP

4417.59ft: SURVEY @ 4361 25.9 INC. 188.7 AZ.  
4417.59ft: Connection at 4416.6

4430.94ft: 800CFM PARA

4437.01ft: BOP DRILL

4508.89ft: SURVEY @ 4453 26.3 INC. 189.8 AZ.  
4508.89ft: Connection at 4508.4

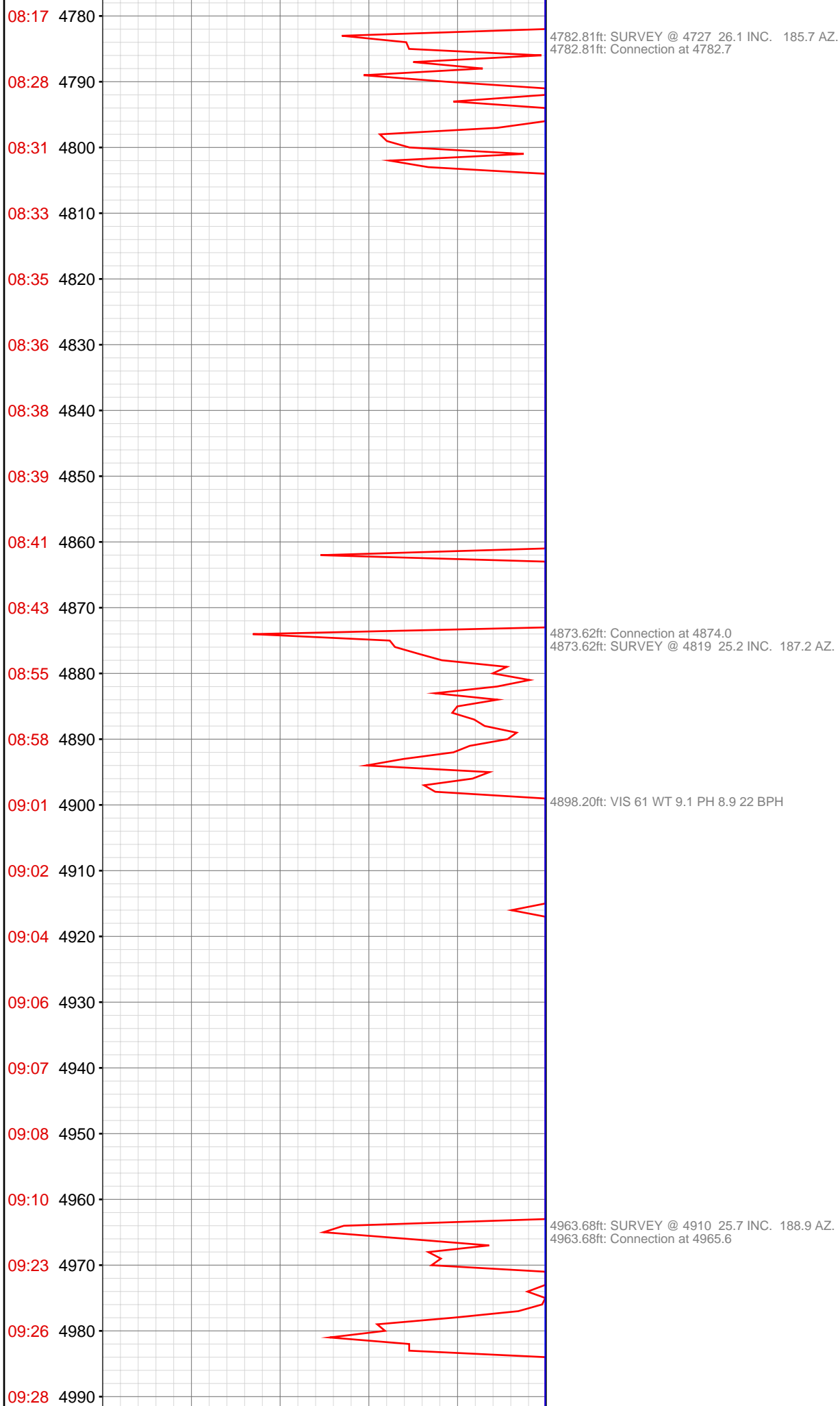
4521.00ft: MUD VIS 57.00  
4522.11ft: MUD WEIGHT 9.05  
4523.00ft: MUD PH 8.80

07:09 4560  
07:11 4570  
07:13 4580  
07:14 4590  
07:16 4600  
07:30 4610  
07:34 4620  
07:36 4630  
07:37 4640  
07:39 4650  
07:41 4660  
07:43 4670  
07:45 4680  
07:47 4690  
08:00 4700  
08:04 4710  
08:06 4720  
08:08 4730  
08:10 4740  
08:11 4750  
08:13 4760  
08:15 4770

4600.20ft: SURVEY @ 4544 25.8 INC. 187.7 AZ.  
4600.20ft: Connection at 4599.9

4691.73ft: SURVEY @ 4636 25.8 INC. 188.1 AZ.  
4691.73ft: Connection at 4691.1

4705.71ft: MUD VIS 60.00  
4706.07ft: MUD WEIGHT 9.05  
4707.12ft: MUD VIS 0.89



09:29 5000

09:31 5010

09:32 5020

09:34 5030

09:35 5040

09:37 5050

09:48 5060

09:51 5070

09:56 5080

09:58 5090

09:59 5100

10:00 5110

10:02 5120

10:04 5130

10:05 5140

10:16 5150

10:19 5160

10:22 5170

10:24 5180

10:25 5190

10:26 5200

10:28 5210

5054.49ft: SURVEY @ 5001 24.7 INC. 189.1 AZ.  
5054.49ft: Connection at 5056.9

5067.09ft: VIS 61 WT 9.1 PH 8.9 15 GPM

5075.98ft: 800CFM PARA

5145.60ft: SURVEY @ 5093 24.9 INC. 186.2 AZ.  
5145.80ft: Connection at 5148.5

10:29 5220

10:31 5230

10:43 5240 5236.61ft: SURVEY @ 5185 24.8 INC. 188.9 AZ.  
5236.61ft: 1100CFM PARA  
5236.61ft: Connection at 5240.0

10:46 5250

10:48 5260

10:50 5270

10:52 5280

10:53 5290

10:55 5300

10:56 5310

10:57 5320

11:08 5330 5328.02ft: SURVEY @ 5276 23.7 INC. 186.9 AZ.  
5328.02ft: Connection at 5331.9

11:11 5340

11:13 5350

11:15 5360

11:17 5370

11:18 5380

11:19 5390

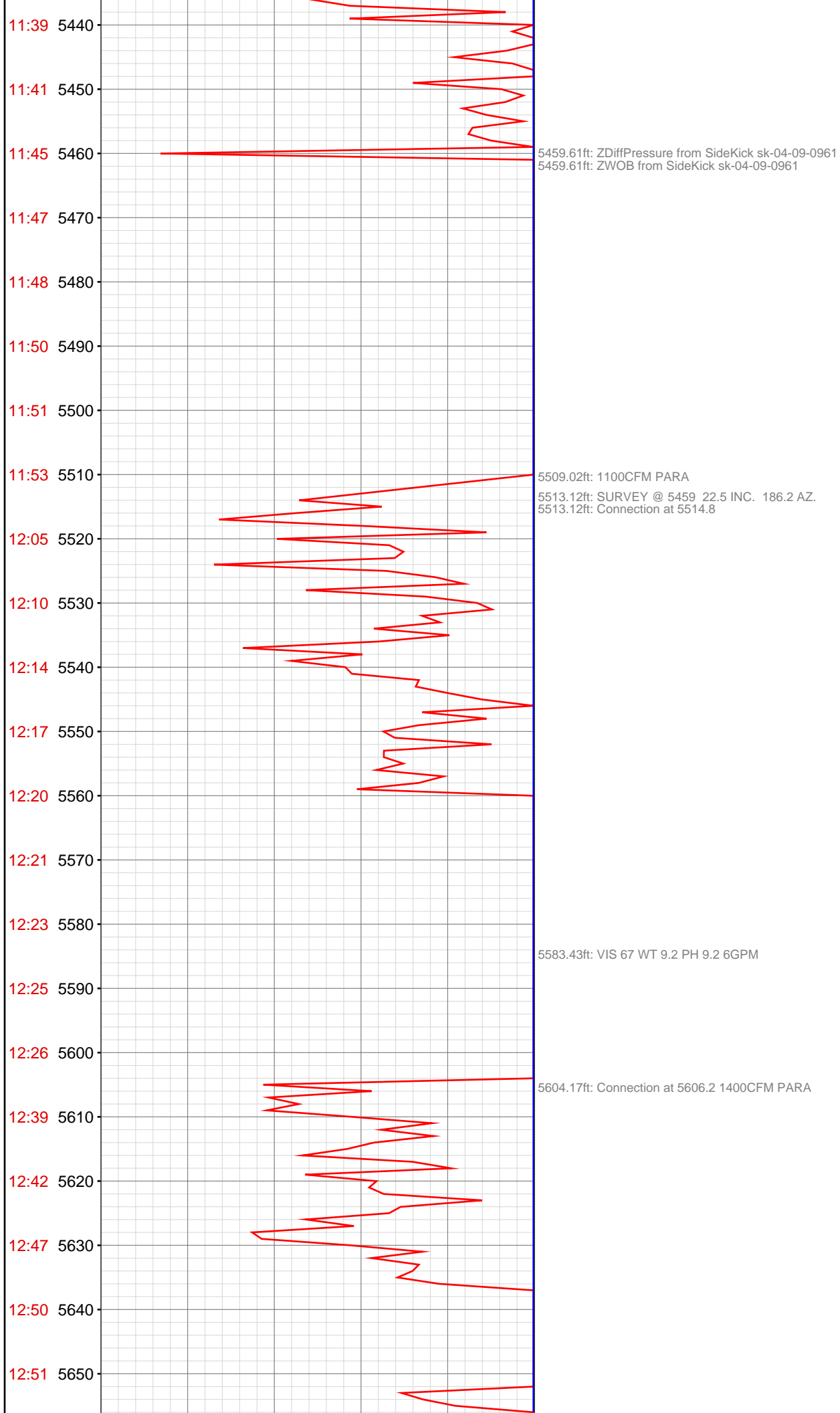
11:21 5400

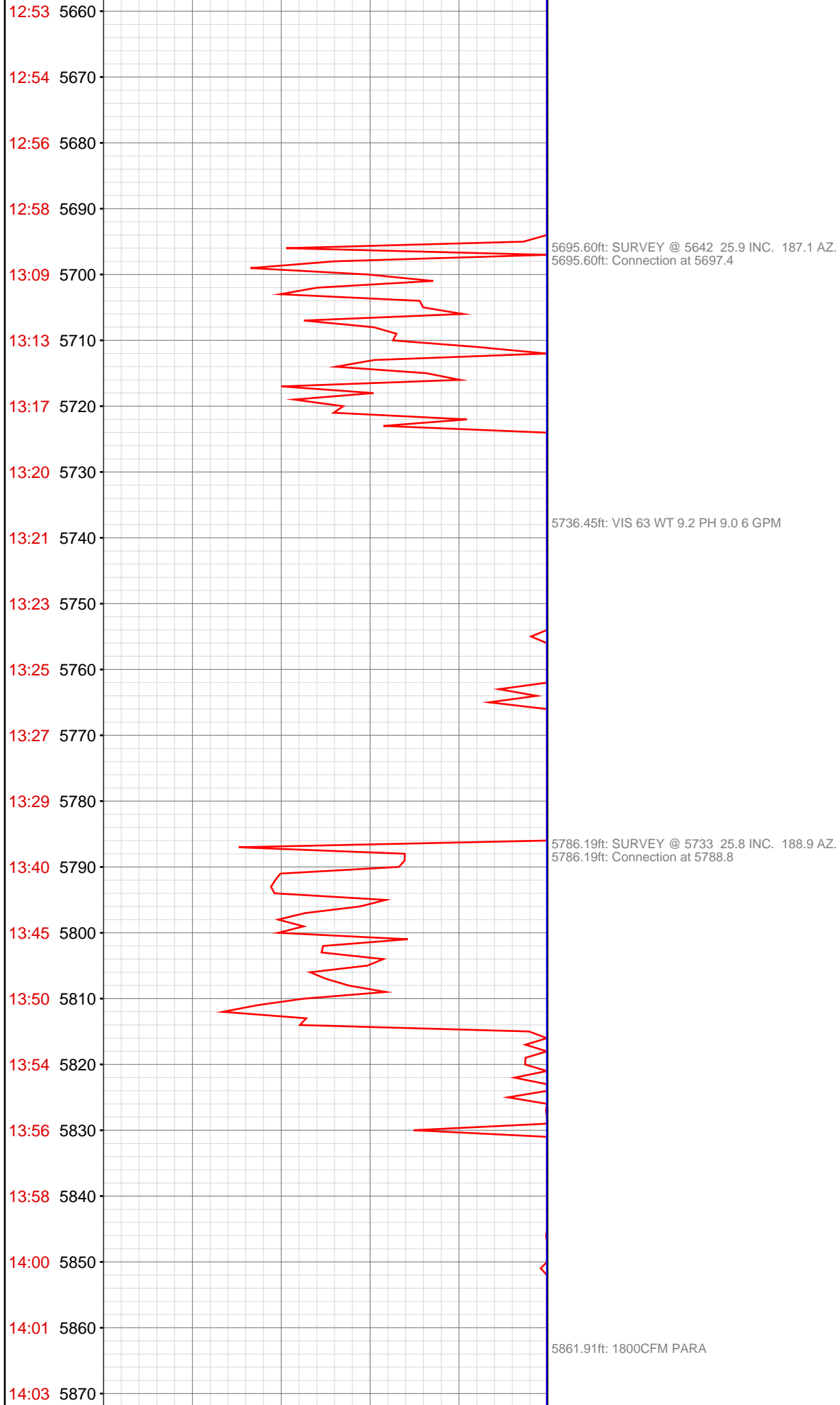
11:22 5410

11:33 5420 5419.16ft: Connection at 5423.1  
5419.16ft: SURVEY @ 5368 22.9 INC. 185.1 AZ.

11:36 5430 5427.79ft: VIS 65 WT 8.95 PH 9.5 6GPM







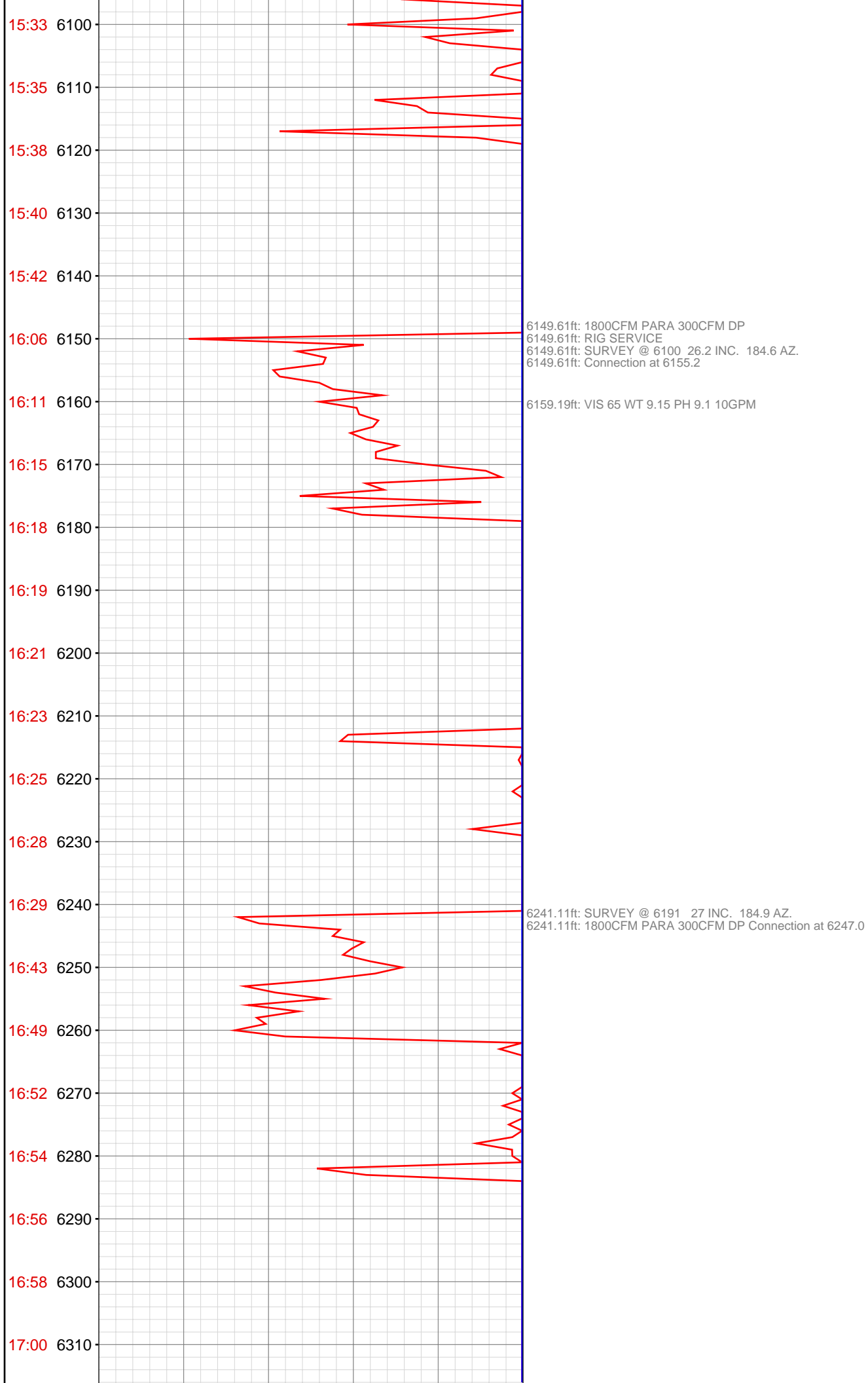
5876.97ft: SURVEY @ 5825 26.5 INC. 185.9 AZ.  
5876.97ft: Connection at 5880.2

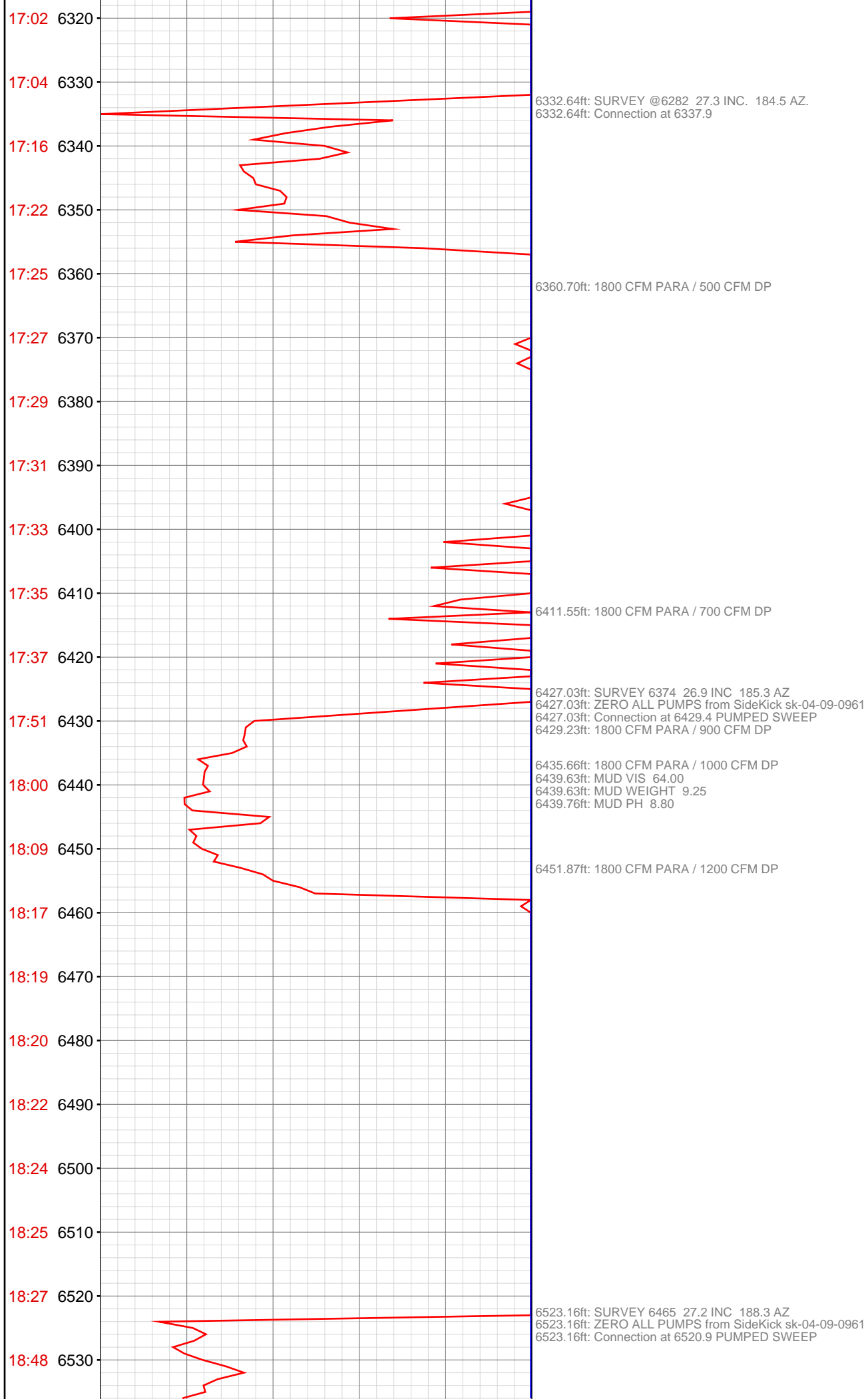
5882.55ft: VIS 65 WT 9.2 PH 9.2 10 GPM

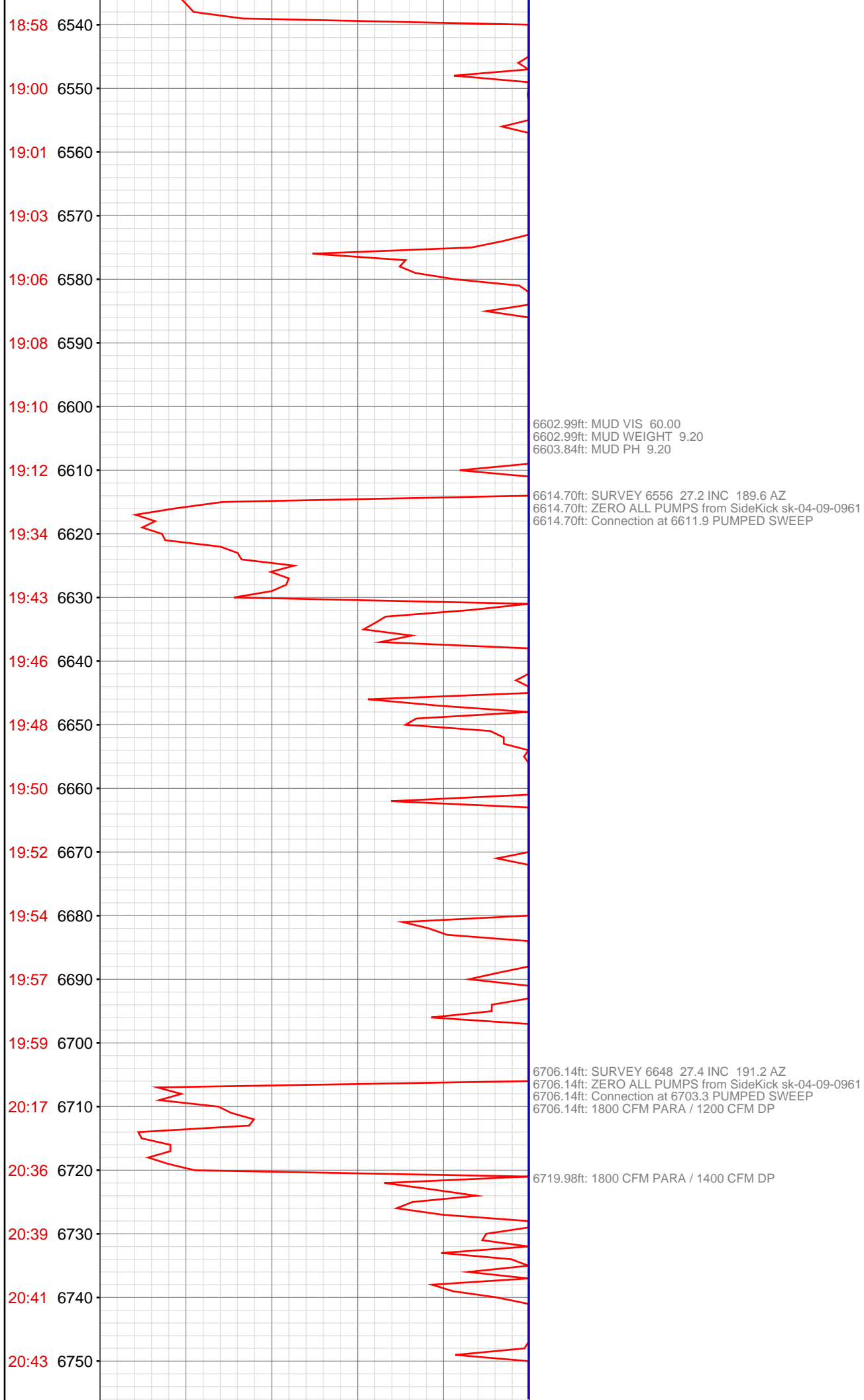
5967.98ft: SURVEY @ 5916 27.2 INC. 186 AZ.  
5967.98ft: Connection at 5971.8

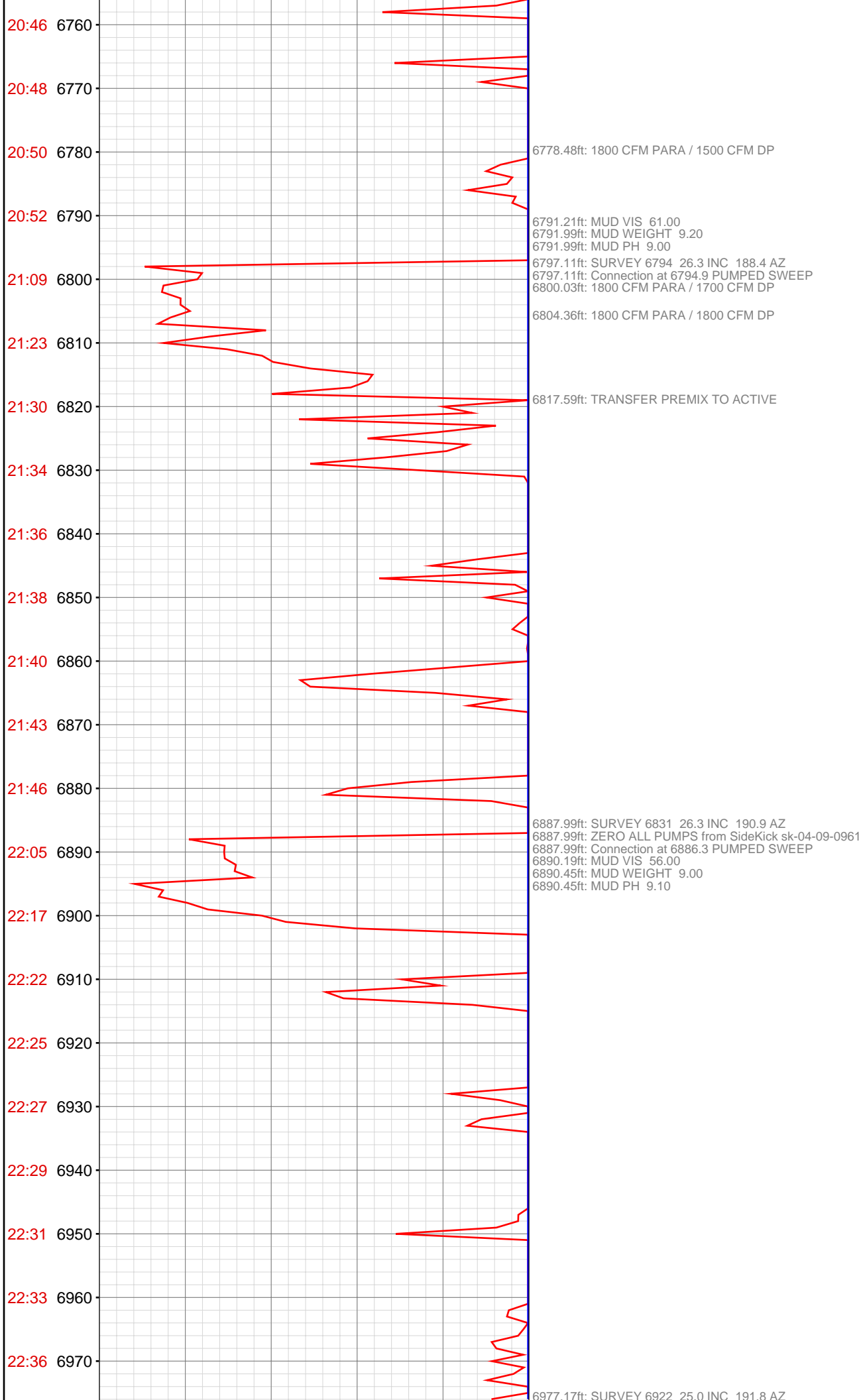
6003.02ft: 1800CFM PARA 300CFM DP

6058.99ft: SURVEY @ 6008 25.1 INC. 184.3 AZ.  
6058.99ft: Connection at 6063.5  
6062.01ft: TRANSFERRED 300.00







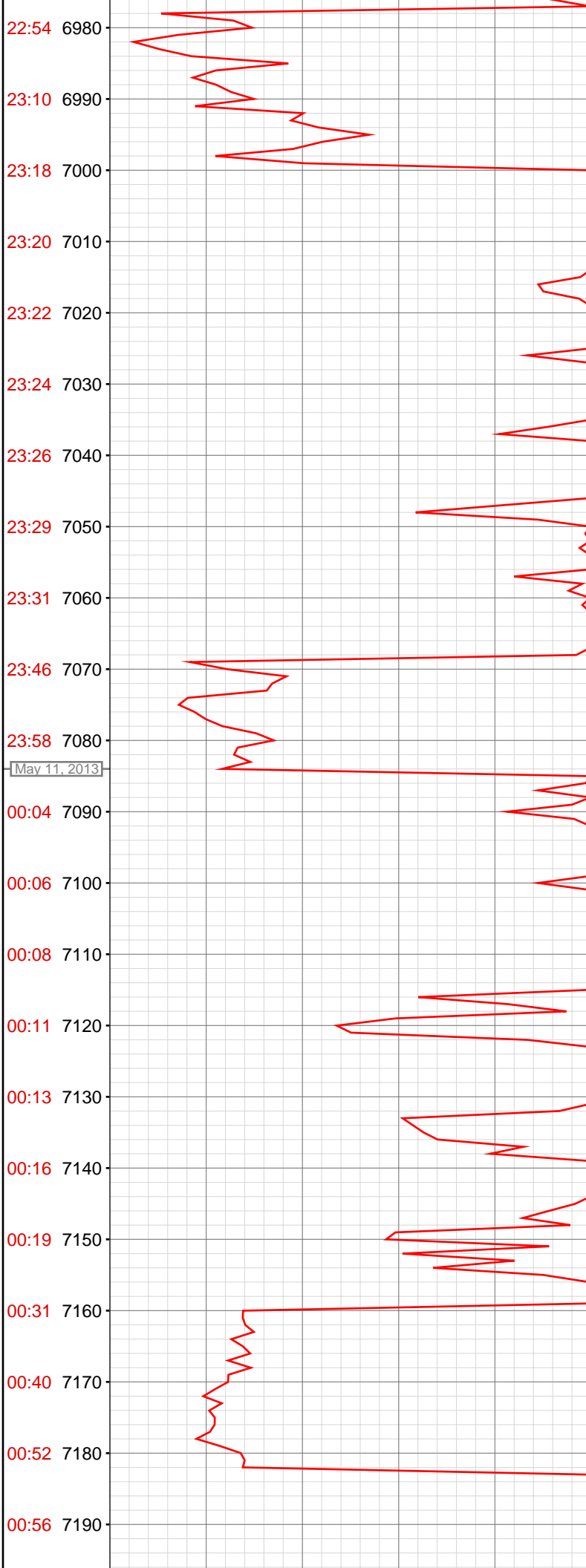


6977.17ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
6977.17ft: Connection at 6977.6 PUMPED SWEEP  
6977.17ft: 1800 CFM PARA / 1800 CFM DP

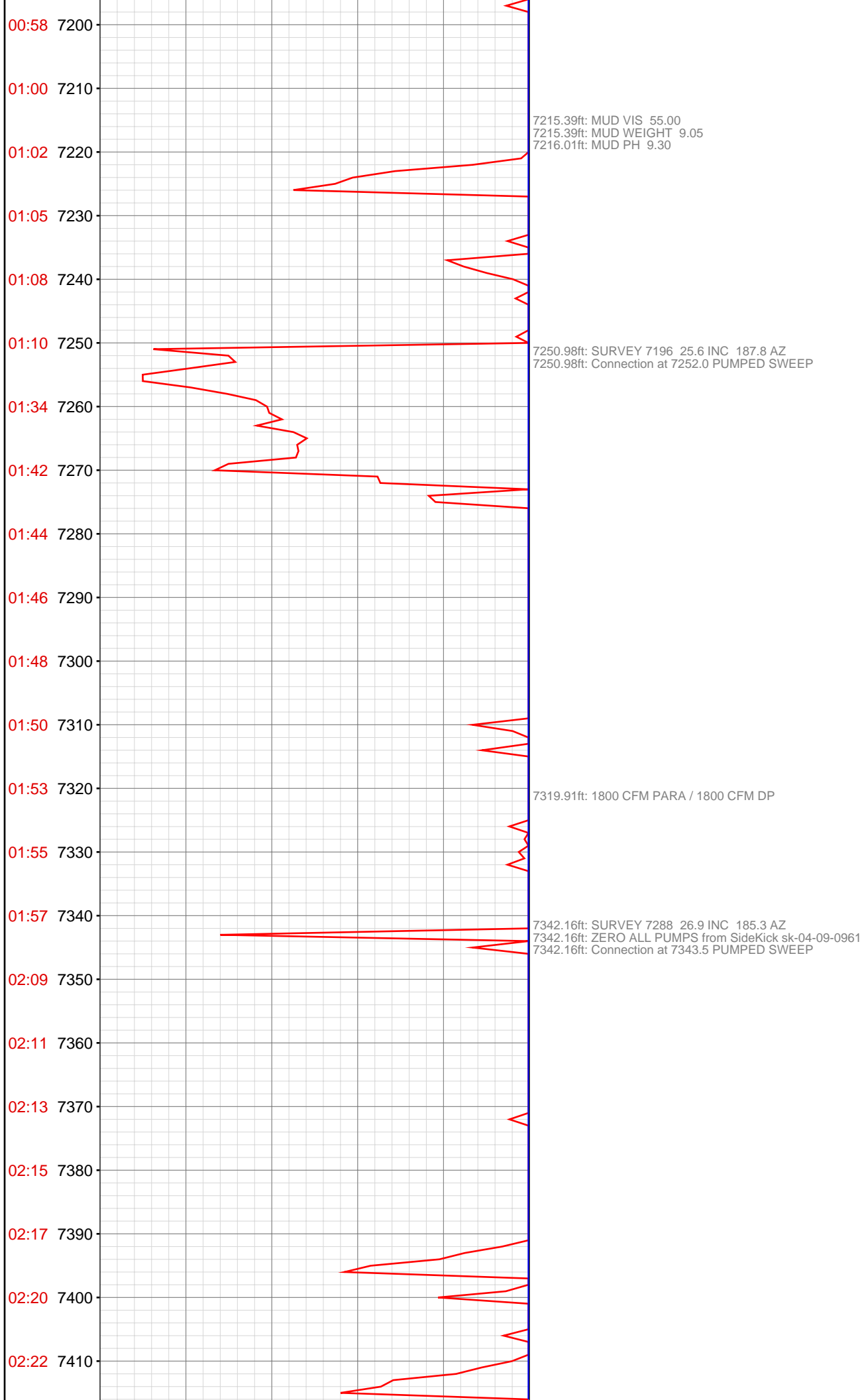
7068.54ft: SURVEY 7014 25.7 INC 190.5 AZ  
7068.54ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
7068.54ft: Connection at 7069.0 PUMPED SWEEP  
7073.62ft: MUD VIS 56.00  
7073.79ft: MUD WEIGHT 9.10  
7073.79ft: MUD PH 8.90

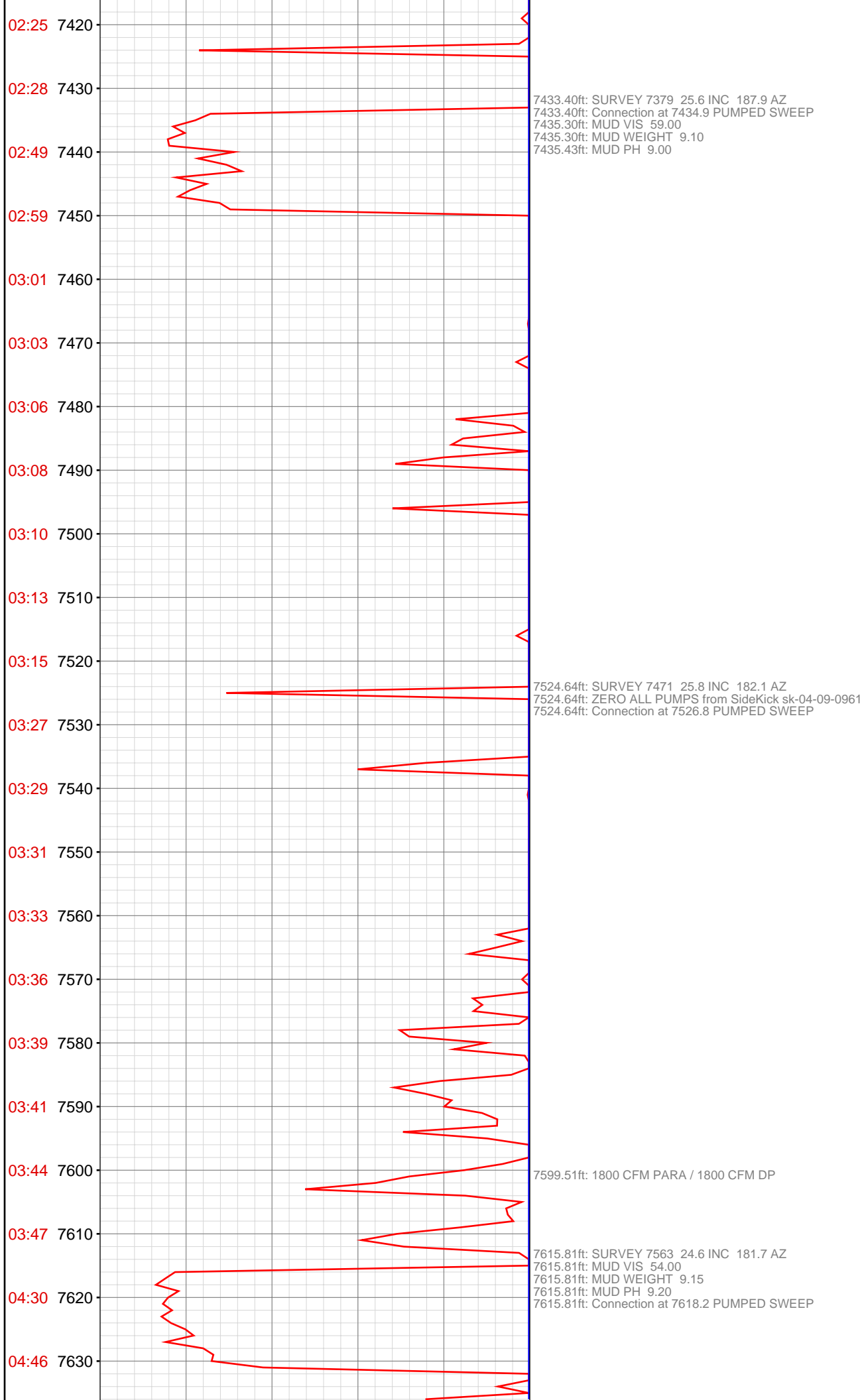
7137.80ft: 1800 CFM PARA / 1800 CFM DP

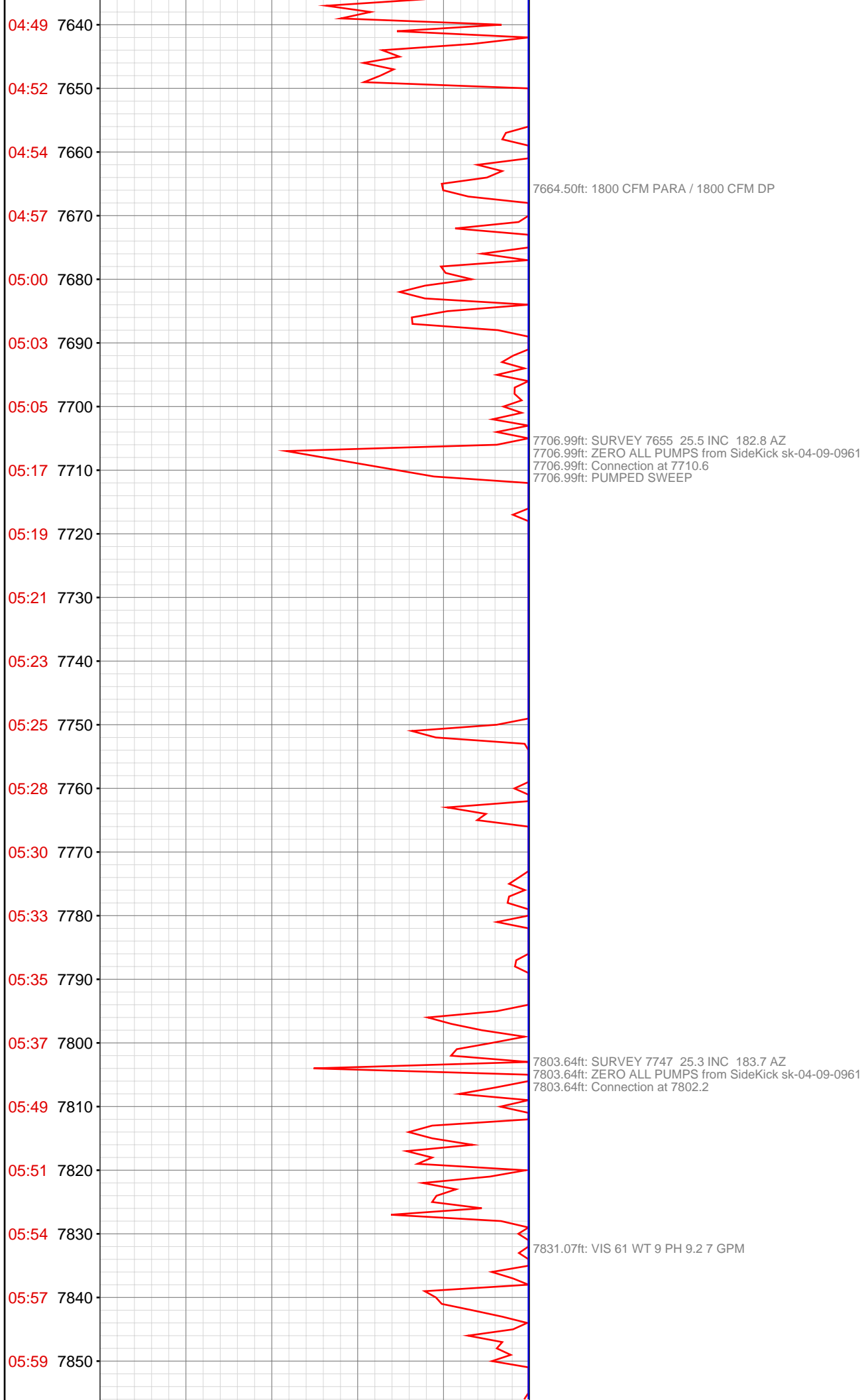
7159.78ft: SURVEY 7105 24.6 INC 187.6 AZ  
7159.78ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
7159.78ft: Connection at 7160.5 PUMPED SWEEP

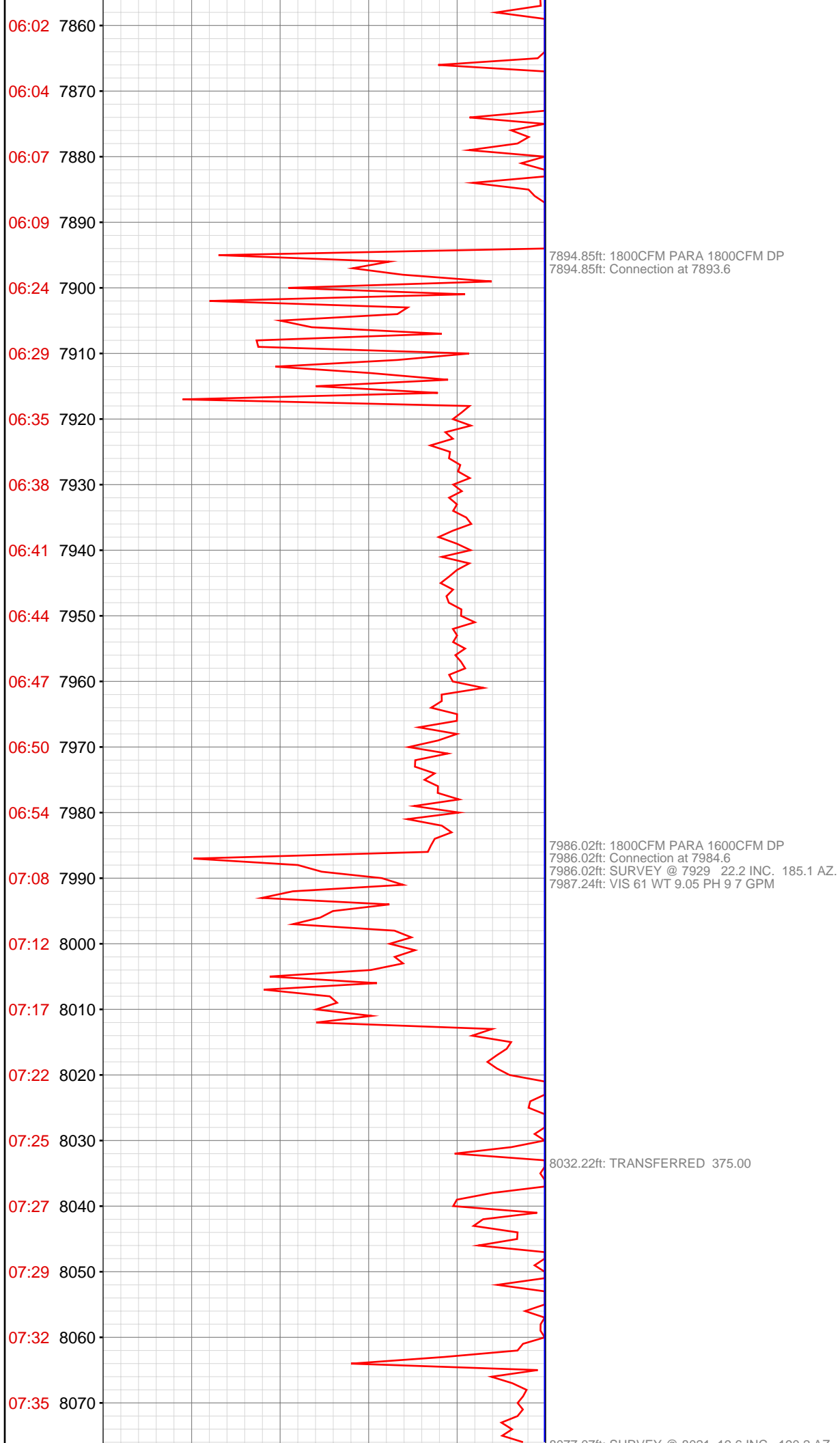


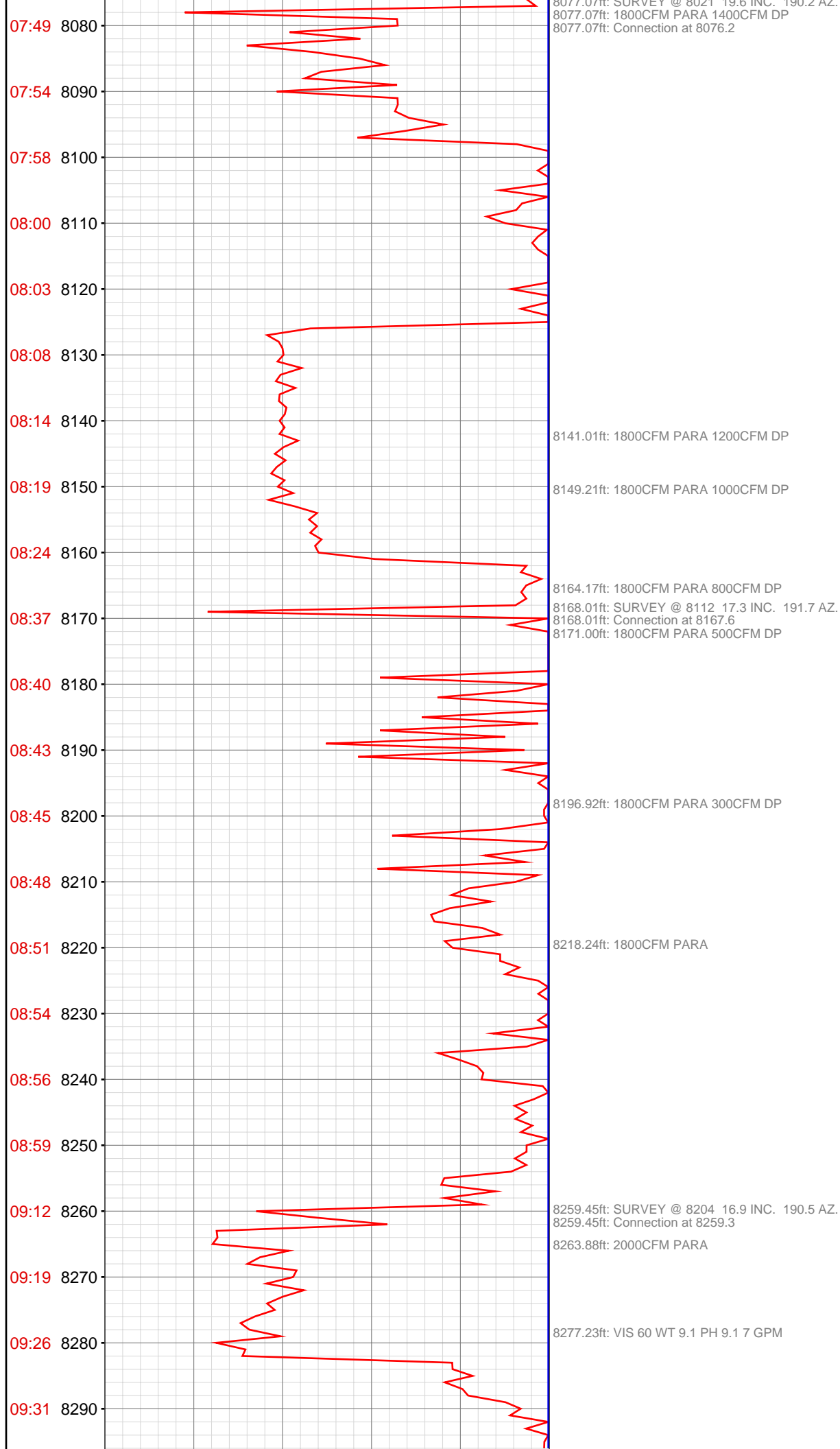


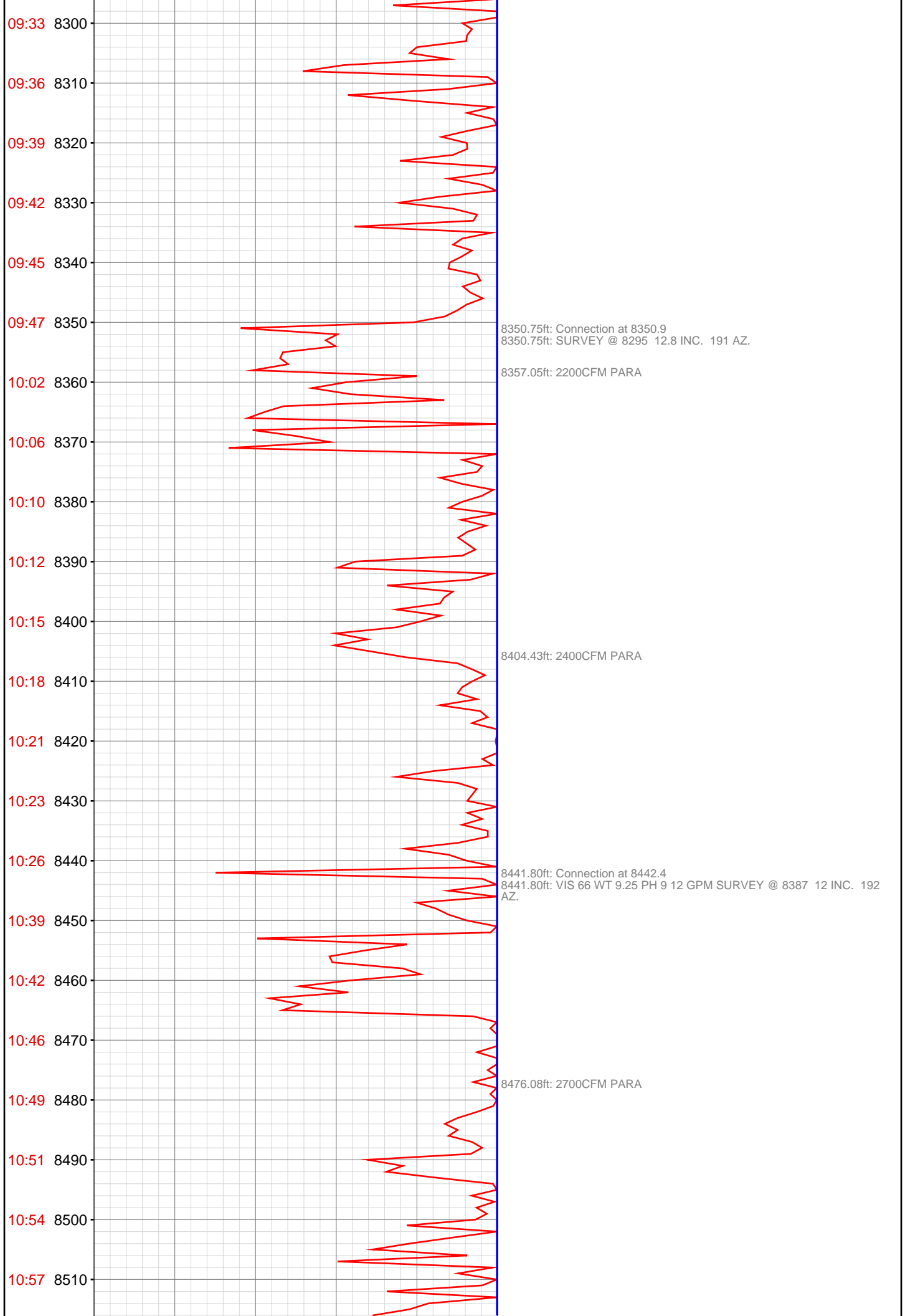


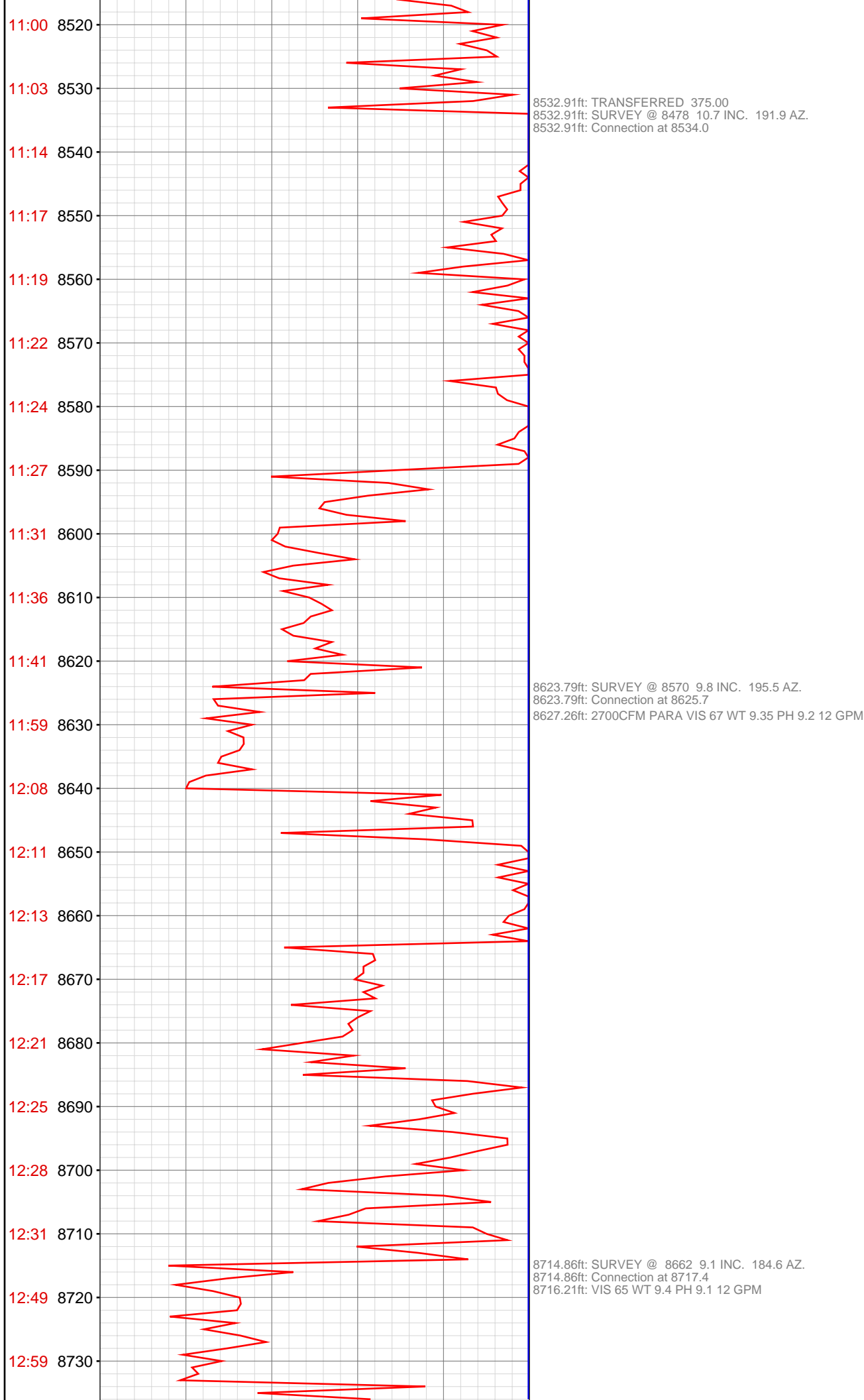


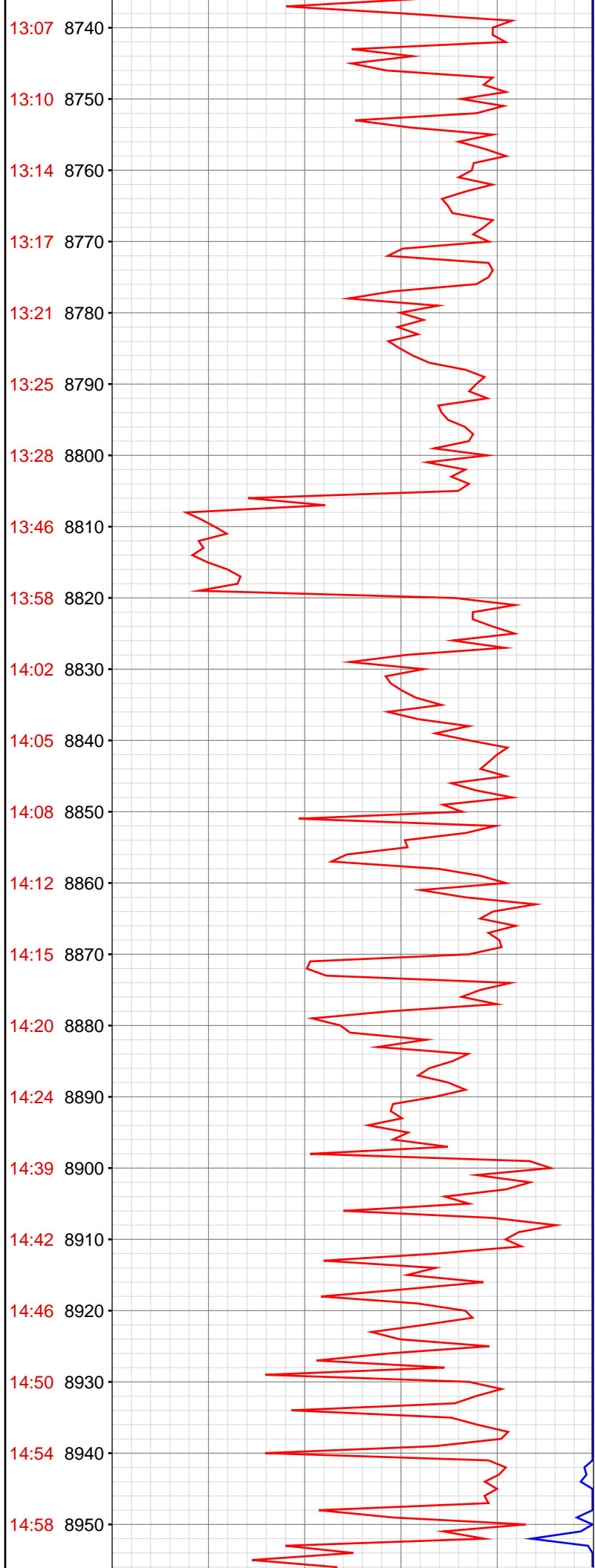












13:07 8740

13:10 8750

13:14 8760

13:17 8770

13:21 8780

13:25 8790

13:28 8800

13:46 8810

13:58 8820

14:02 8830

14:05 8840

14:08 8850

14:12 8860

14:15 8870

14:20 8880

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14:39 8900

14:42 8910

14:46 8920

14:50 8930

14:54 8940

14:58 8950

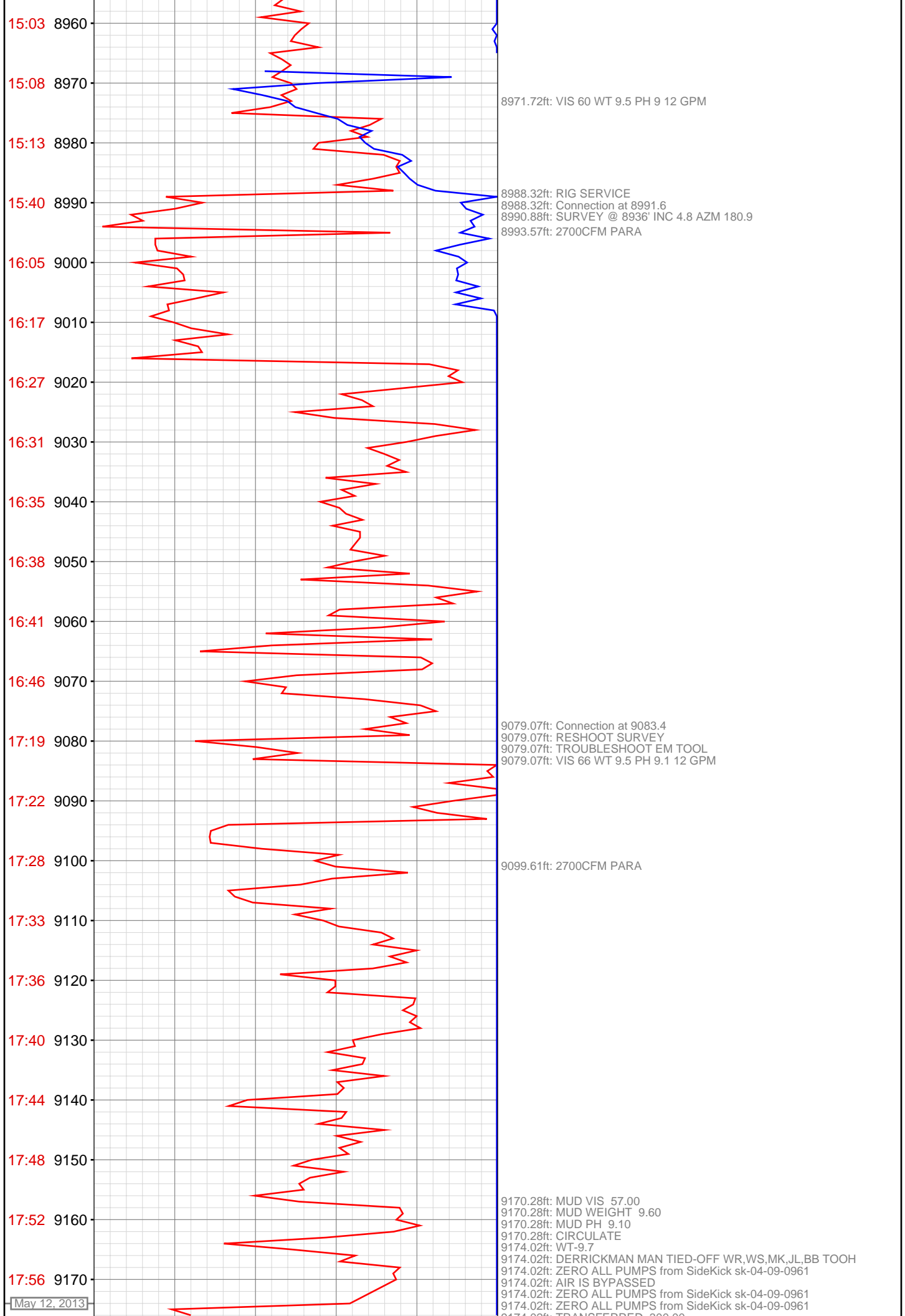
8805.91ft: SURVEY @ 8754 7.2 INC. 177.5 AZ.  
8805.91ft: Connection at 8809.2

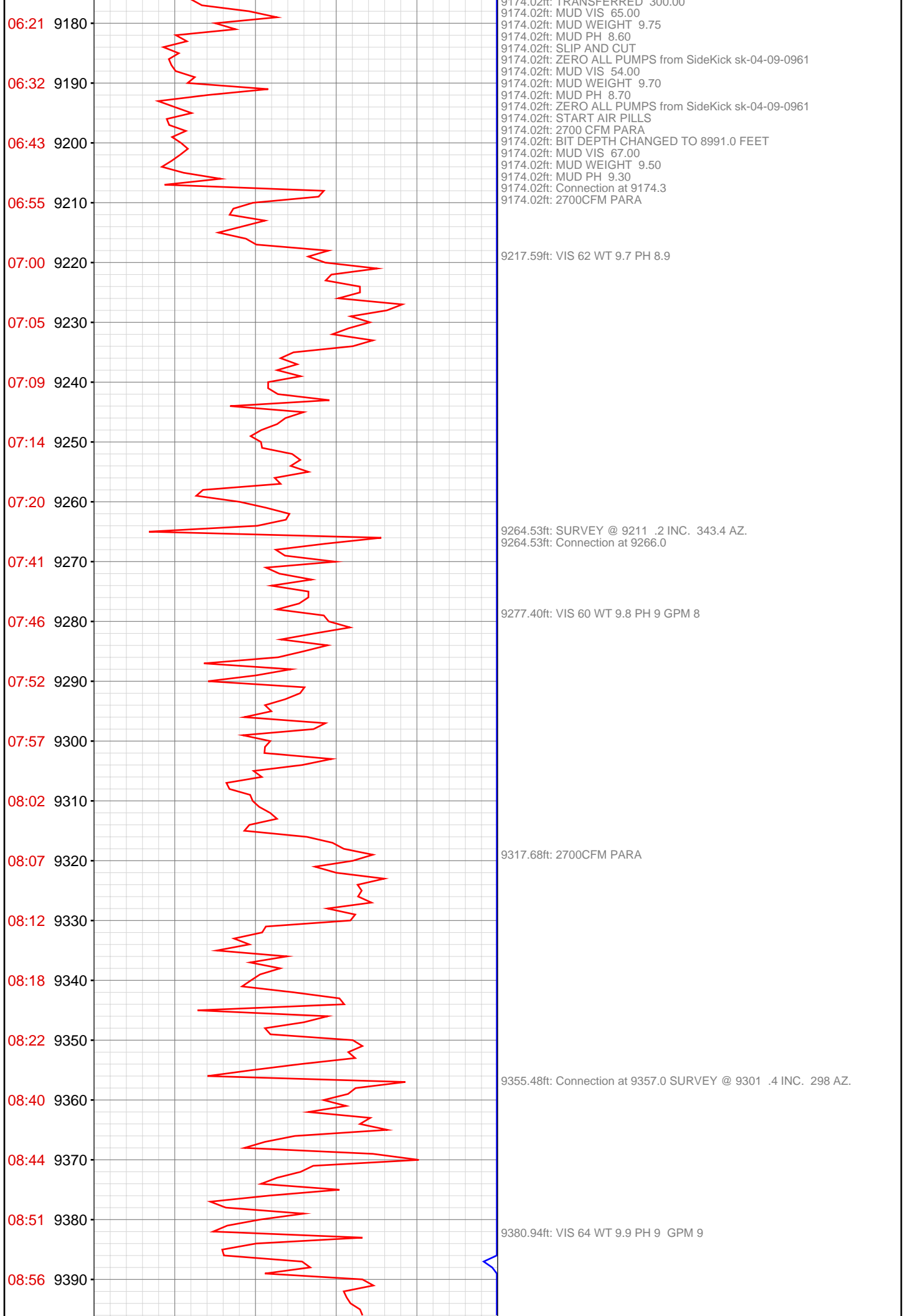
8835.24ft: VIS 66 WT 9.5 PH 9.1 12 GPM

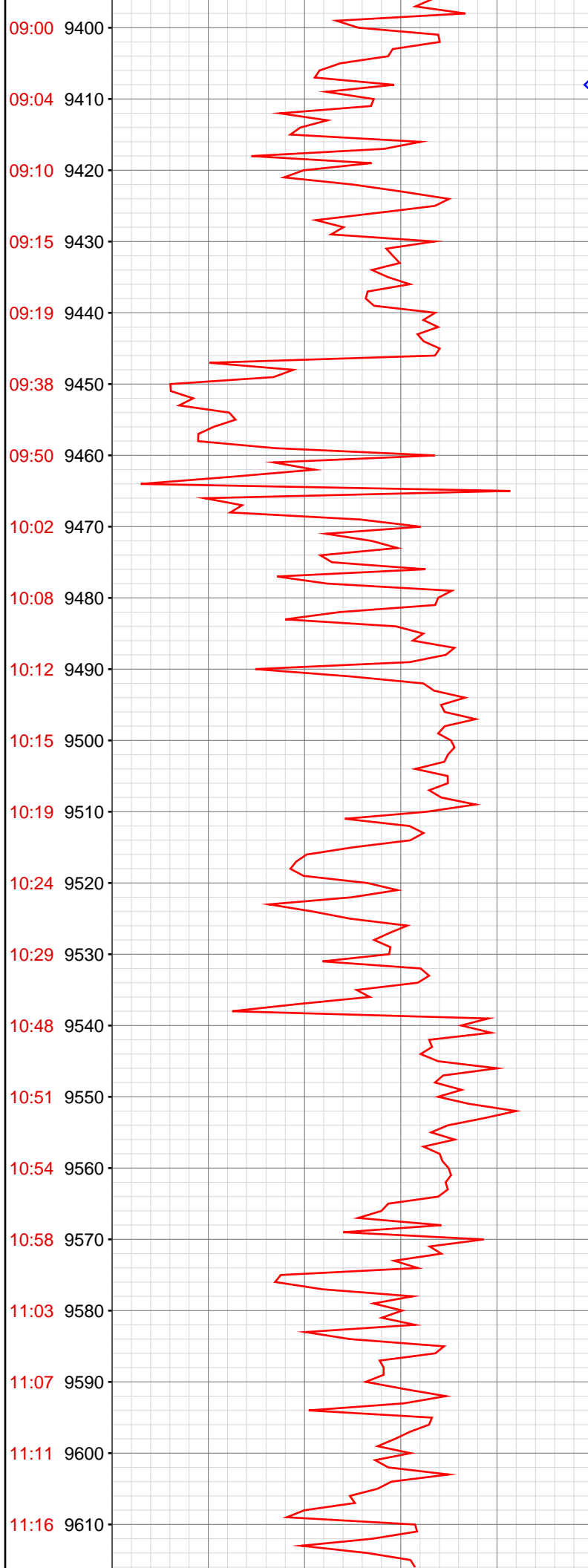
8841.17ft: 2700CFM PARA

8897.21ft: SURVEY @ 8845 5.1 INC. 178.4 AZ.  
8897.21ft: Connection at 8900.1









9446.52ft: 2700CFM PARA  
9446.52ft: Connection at 9448.4  
9448.52ft: SURVEY @ 9393 .7 INC. 276.9 AZ.

9476.38ft: VIS 66 WT 9.9 PH 9 GPM 9

9537.34ft: Connection at 9540.3  
9537.34ft: SURVEY @ 9485 1.5 INC. 47.1 AZ.

9609.38ft: VIS 65 WT 9.95 PH 9 GPM 9

11:20 9620

9621.23ft: 2700CFM PARA

11:38 9630

9628.90ft: Connection at 9631.9  
9628.90ft: SURVEY @ 9576 1 INC. 55.9 AZ.

11:41 9640

11:45 9650

11:50 9660

11:53 9670

11:58 9680

12:02 9690

12:06 9700

12:10 9710

12:14 9720

9720.34ft: 2700CFM PARA  
9720.34ft: SURVEY @ 9668 1.4 INC. 67 AZ.  
9720.34ft: Connection at 9723.7

12:31 9730

9731.07ft: VIS 67 WT 9.95 PH 9.1 GPM 9

12:36 9740

9738.25ft: 2500CFM PARA

12:40 9750

12:45 9760

12:51 9770

12:56 9780

13:00 9790

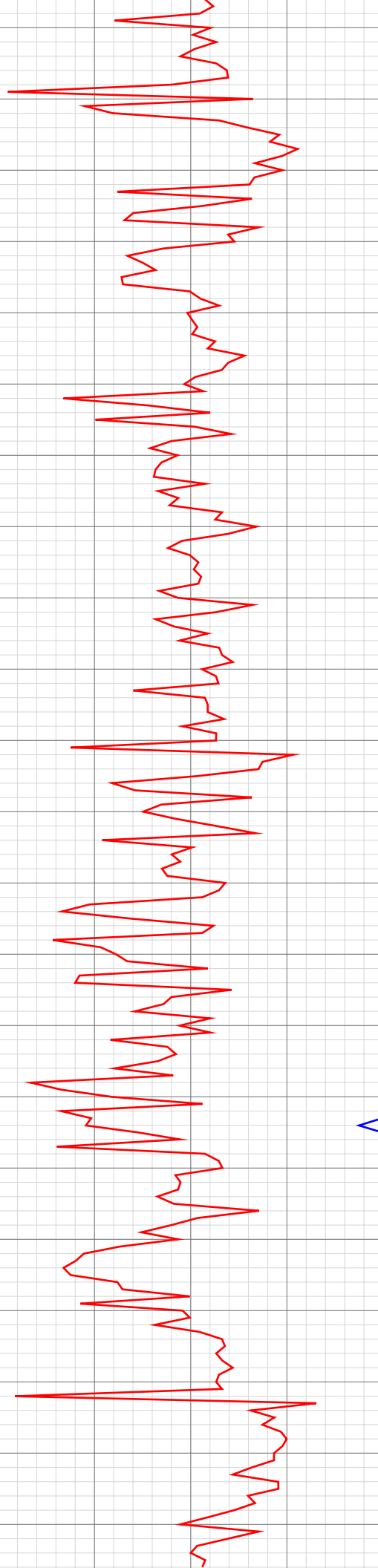
13:06 9800

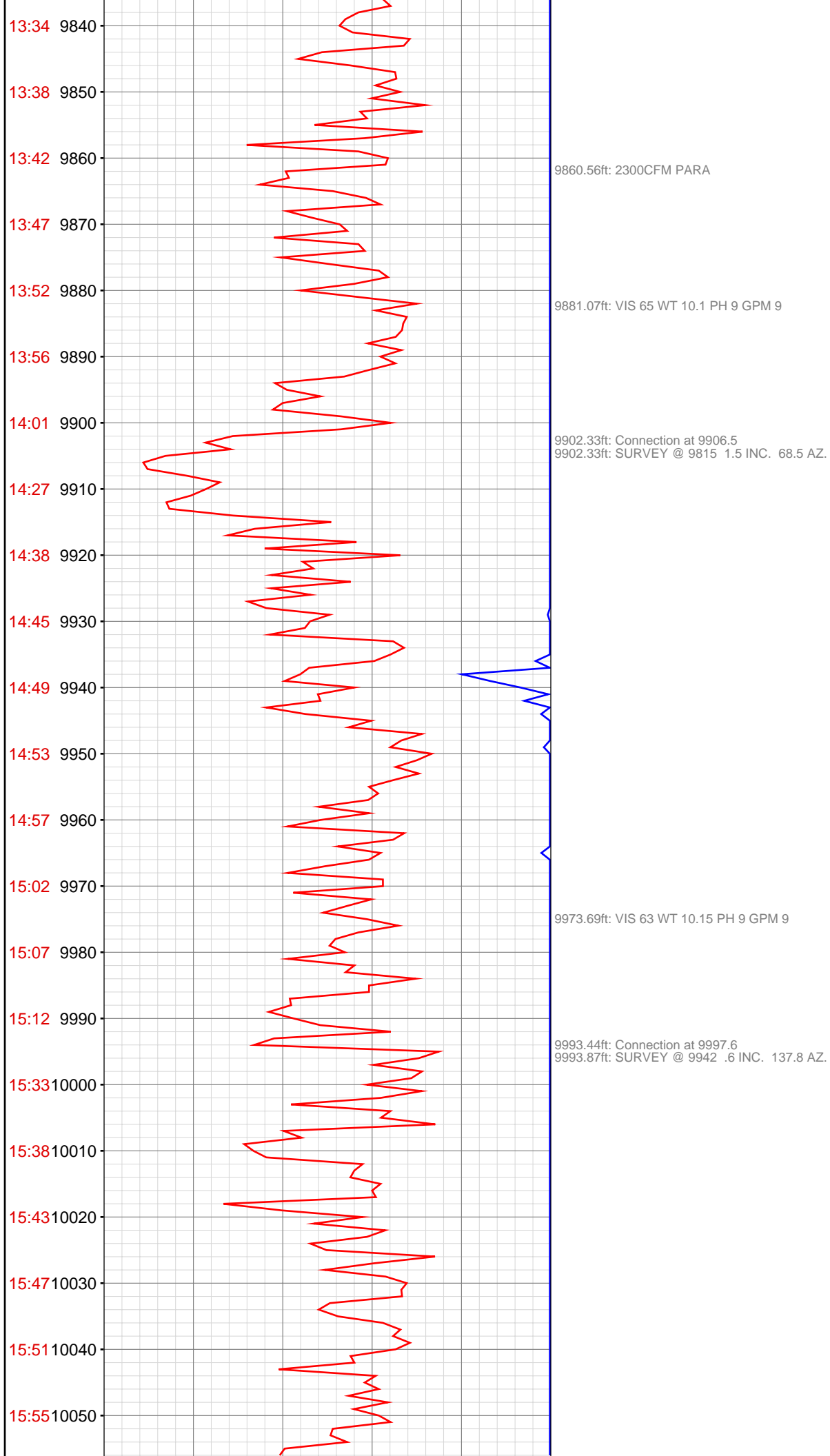
13:09 9810

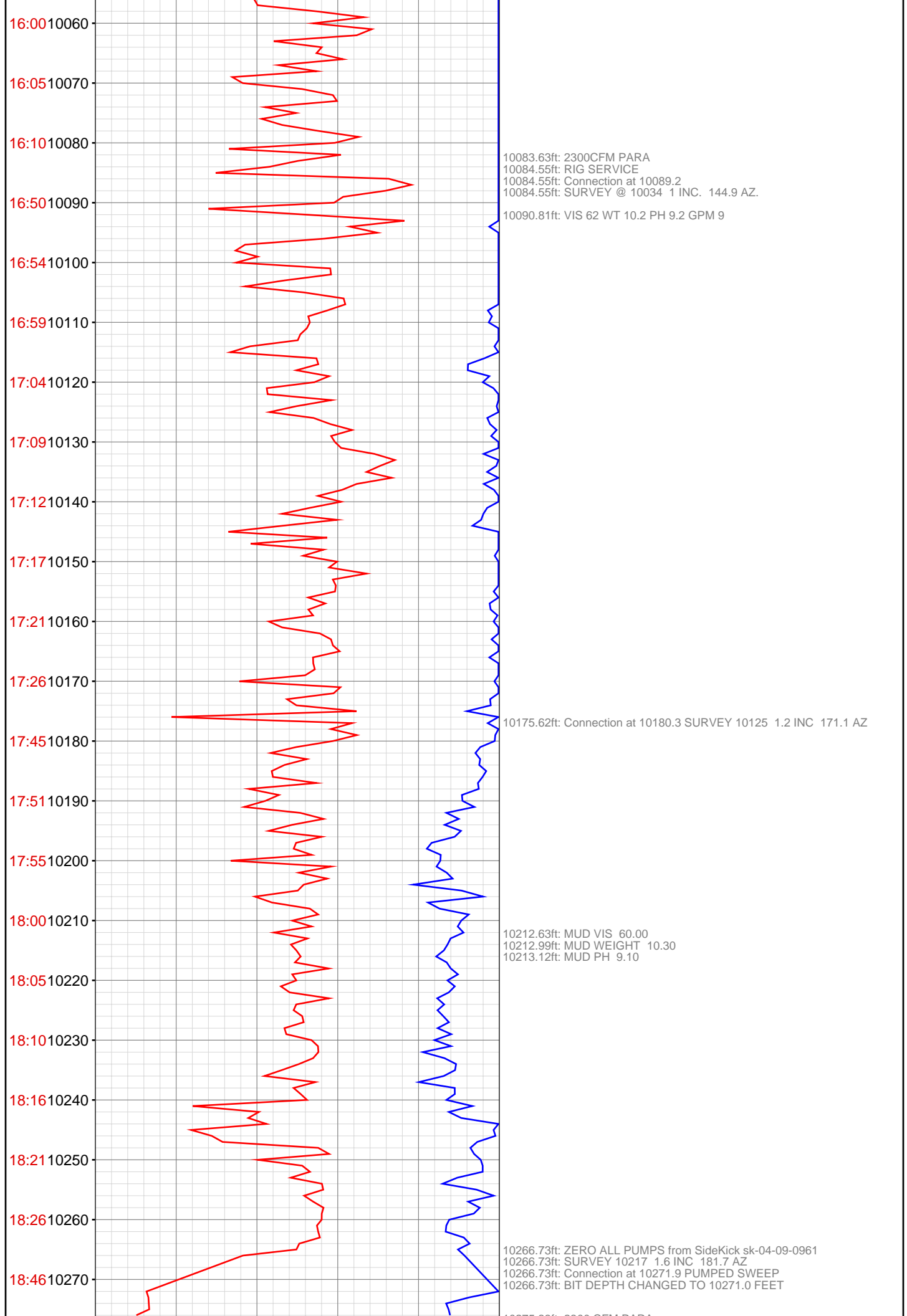
9811.52ft: Connection at 9815.1  
9811.52ft: SURVEY @ 9760 1.3 INC. 58.4 AZ.

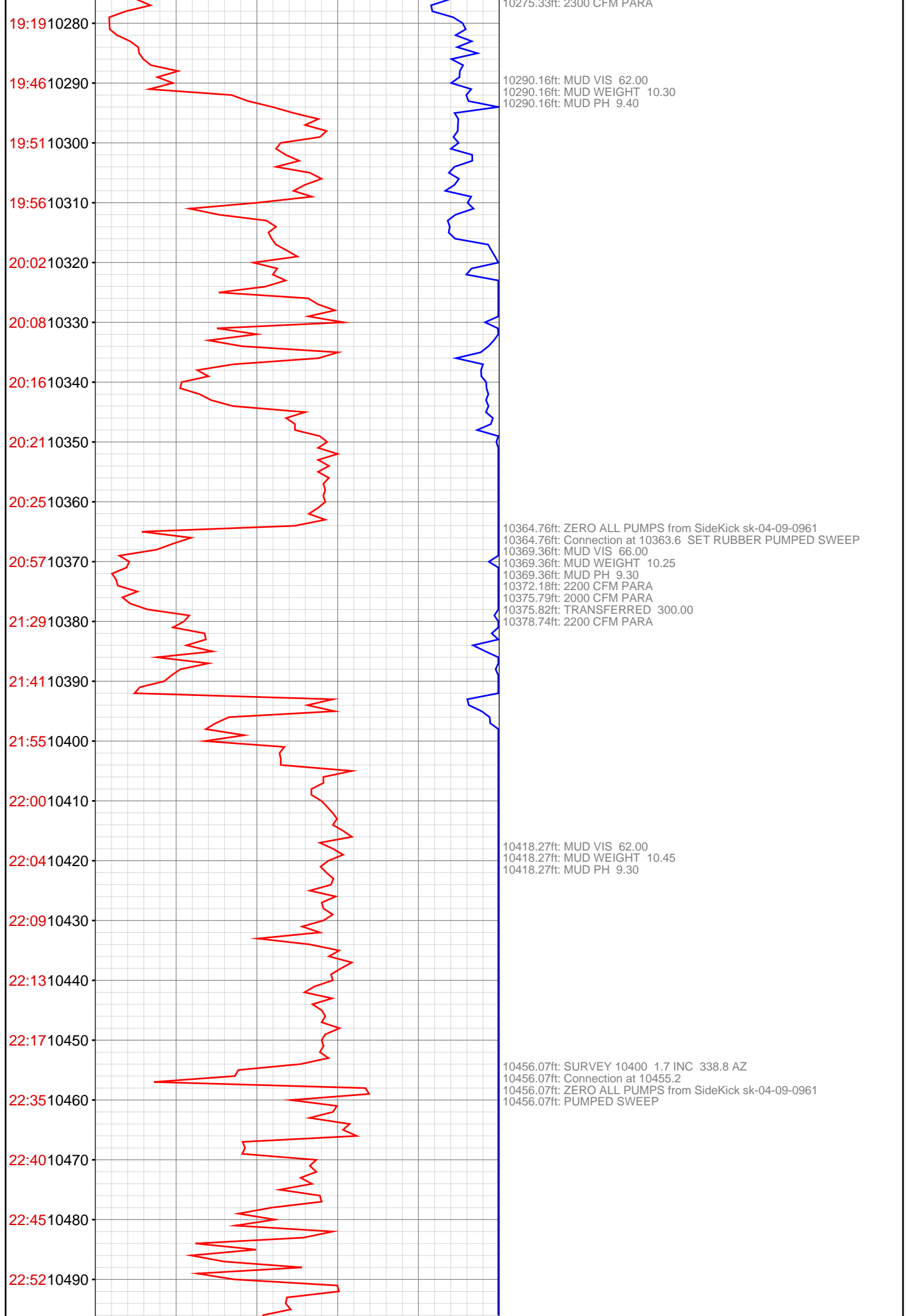
13:26 9820

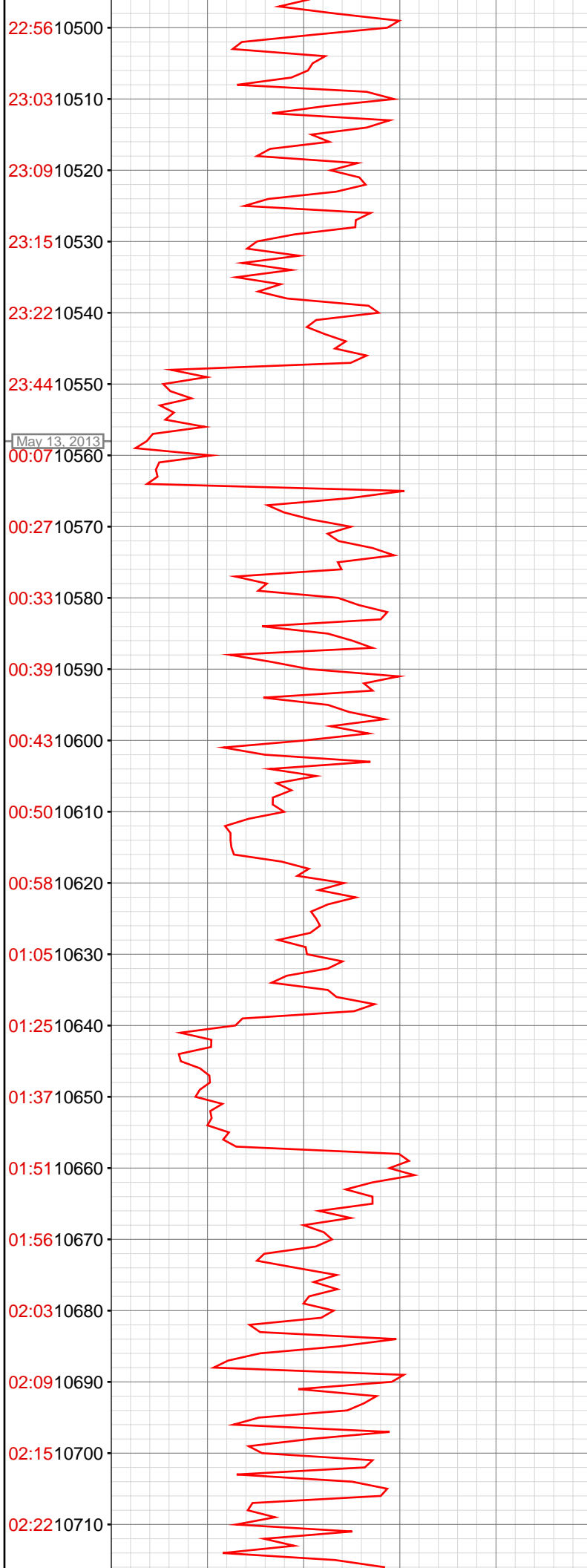
13:30 9830











10517.13ft: MUD VIS 66.00  
10517.49ft: MUD WEIGHT 10.45  
10517.49ft: MUD PH 9.30

10547.64ft: SURVEY 10491 2.2 INC 330.5 AZ  
10547.64ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
10547.64ft: Connection at 10546.4 PUMPED SWEEP  
10549.87ft: 2200 CFM PARA

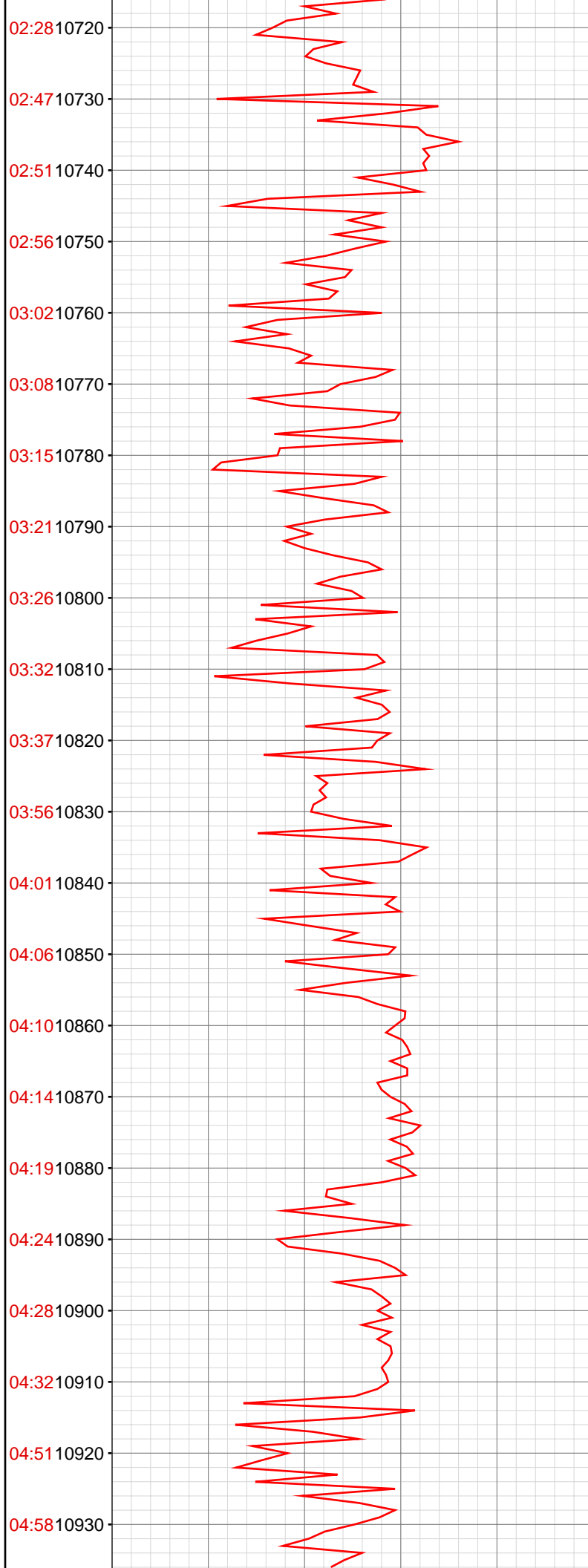
10557.28ft: 2300 CFM PARA

10563.94ft: MUD VIS 57.00  
10563.94ft: MUD WEIGHT 10.55  
10563.94ft: MUD PH 9.10

10637.01ft: MUD VIS 64.00  
10637.07ft: MUD WEIGHT 10.60  
10637.07ft: MUD PH 9.40  
10638.81ft: SURVEY 10582 1.5 INC 283.0 AZ  
10638.81ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
10638.81ft: Connection at 10638.1 PUMPED SWEEP  
10646.23ft: 2300 CFM PARA

10693.44ft: MUD VIS 63.00  
10693.67ft: MUD WEIGHT 10.60  
10693.67ft: MUD PH 9.40



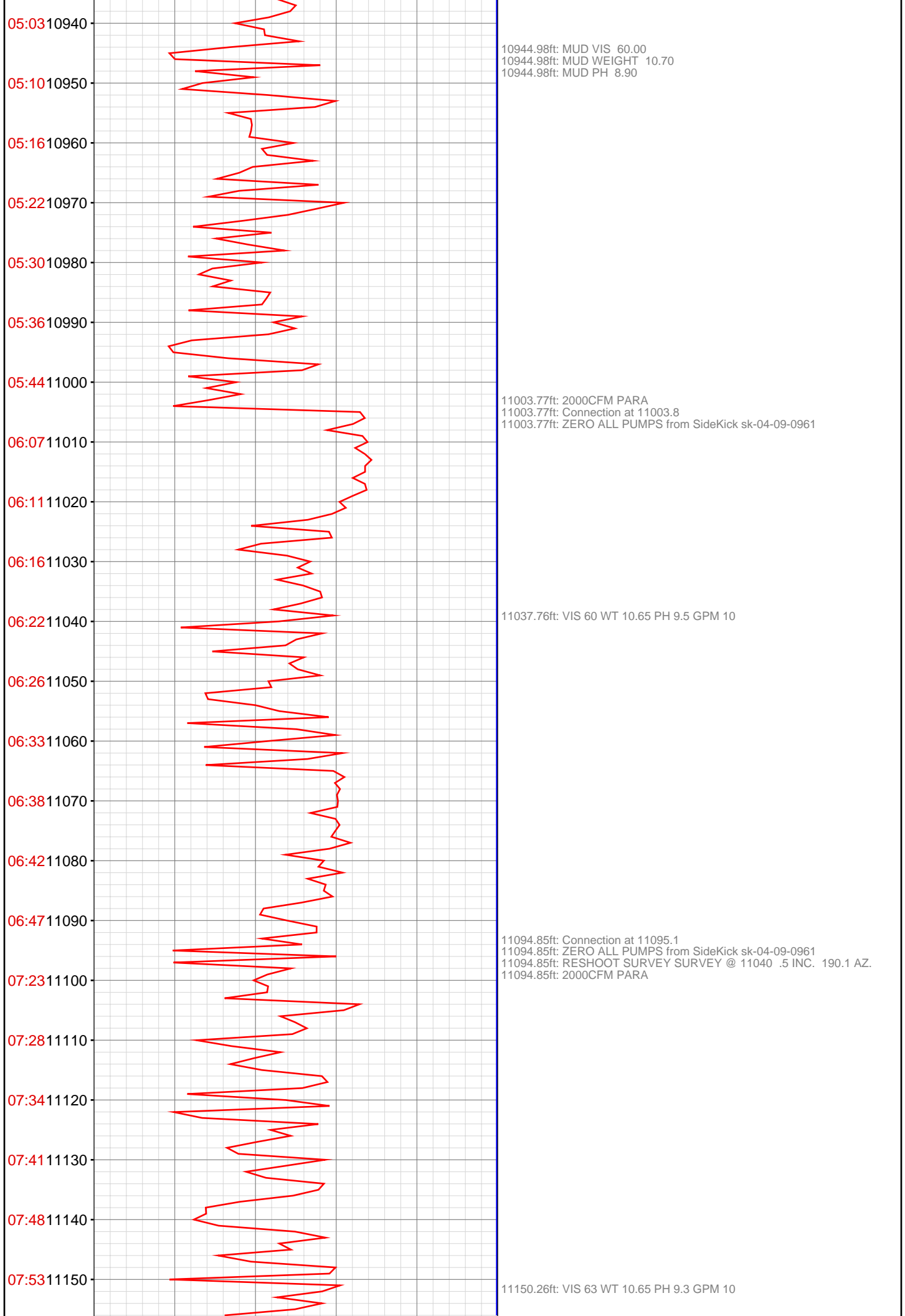


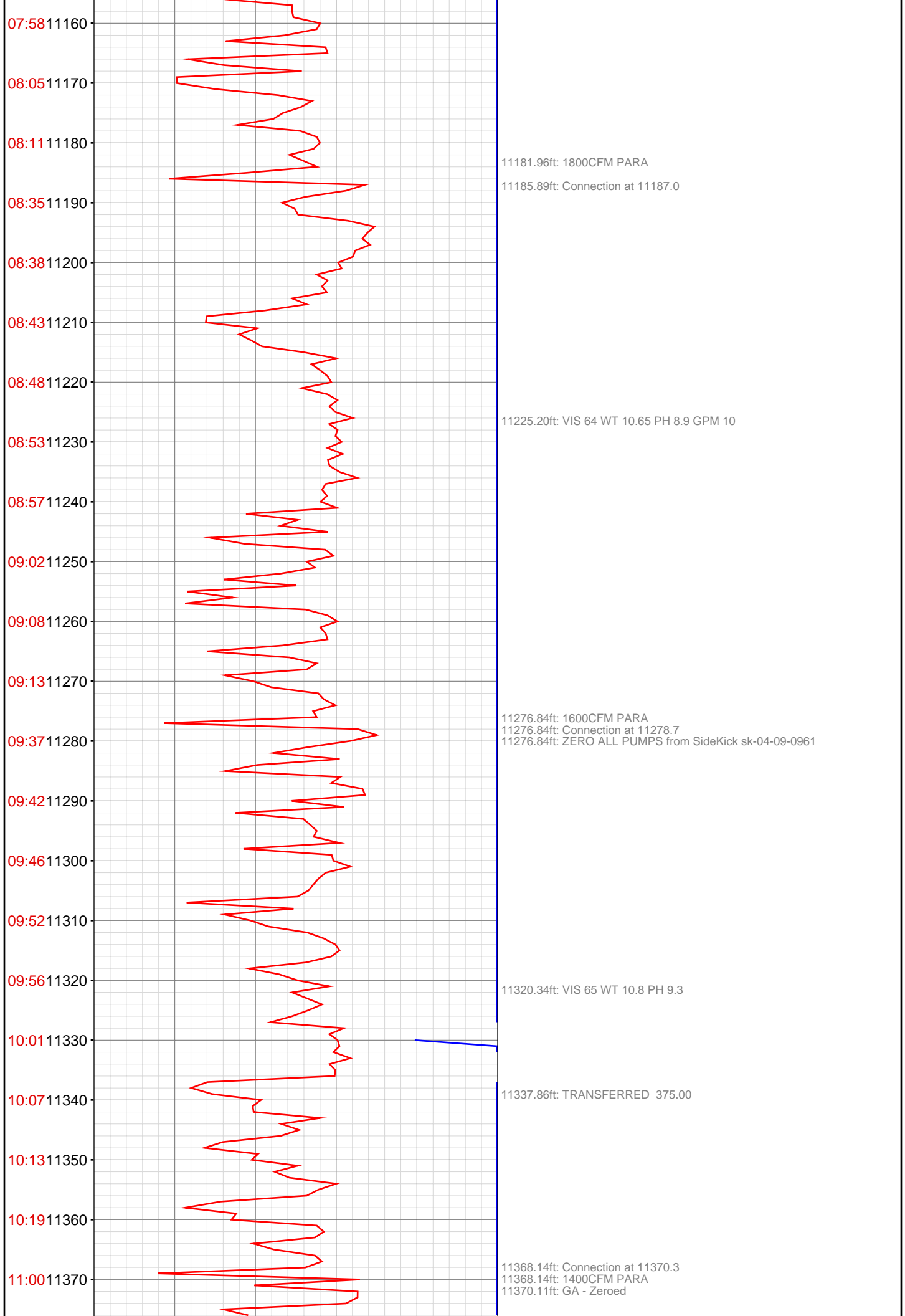
10729.99ft: SURVEY 10673 1.3 INC 35.3 AZ  
10729.99ft: Connection at 10729.6 PUMPED SWEEP

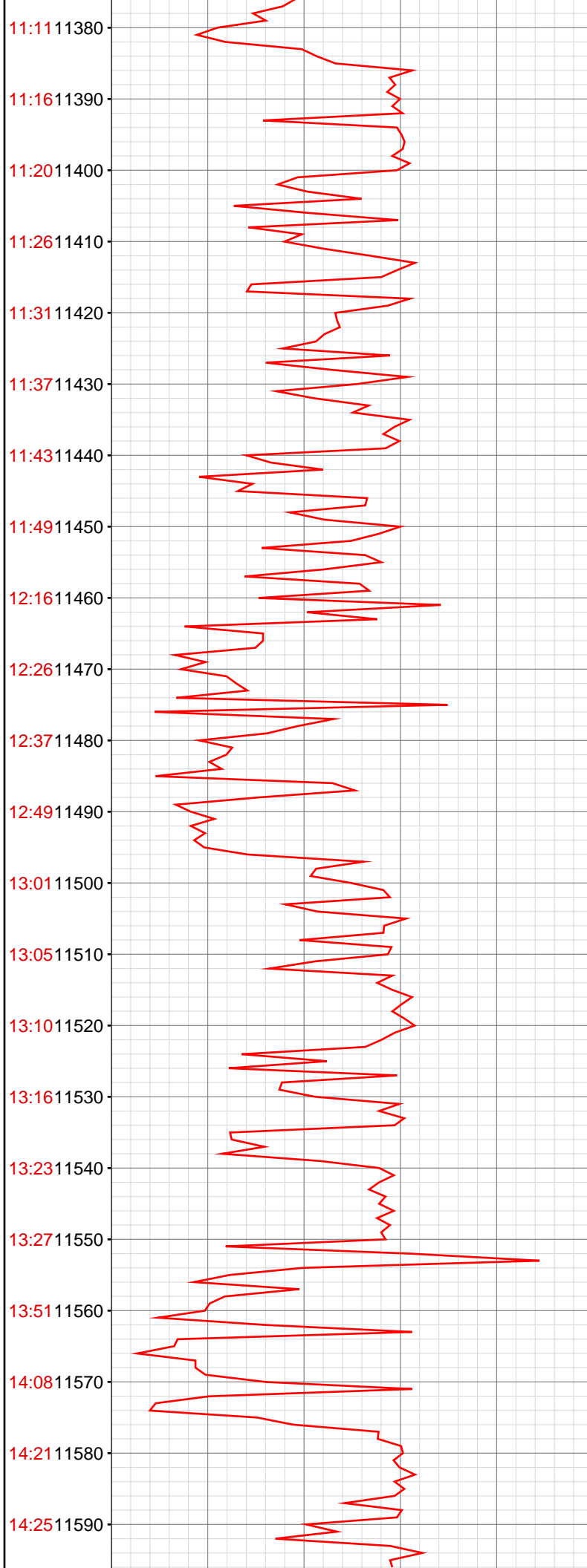
10821.16ft: SURVEY 10765 .4 INC 40.4 AZ  
10821.16ft: Connection at 10821.1 PUMPED SWEEP  
10821.16ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
10821.16ft: MUD VIS 57.00  
10821.16ft: MUD WEIGHT 10.65  
10821.16ft: MUD PH 9.20

10847.51ft: 2000CFM PARA

10912.24ft: SURVEY 10857 .2 INC 177.4 AZ  
10912.24ft: Connection at 10912.3  
10912.24ft: ZERO ALL PUMPS from SideKick sk-04-09-0961  
10912.24ft: PUMPED SWEEP







11380.02ft: VIS 59 WT 10.85 PH 9.2

11431.17ft: 1600CFM PARA

11459.32ft: Connection at 11461.6  
11459.32ft: VIS 59 WT 10.9 PH 9.1

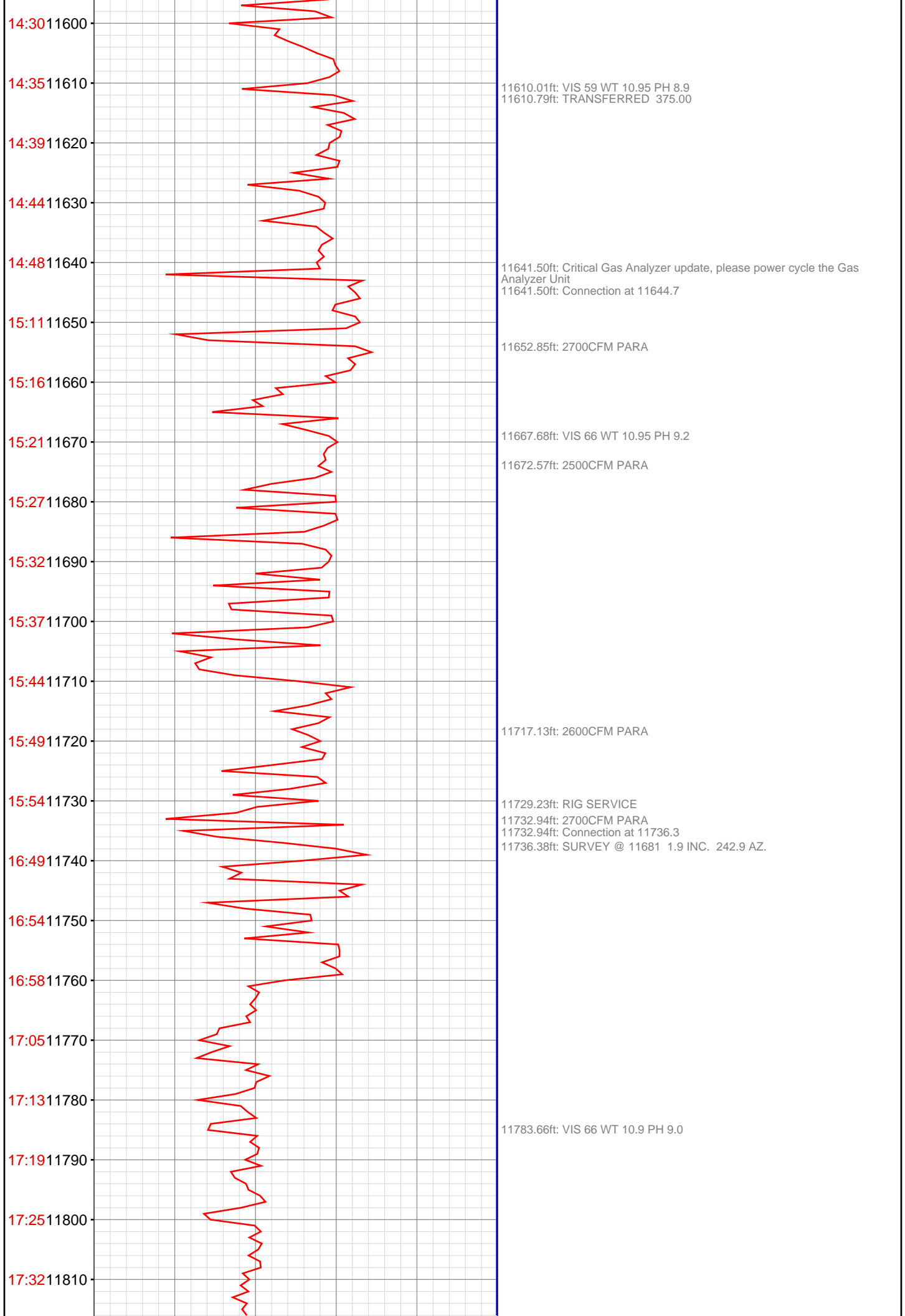
11467.78ft: 1800CFM PARA

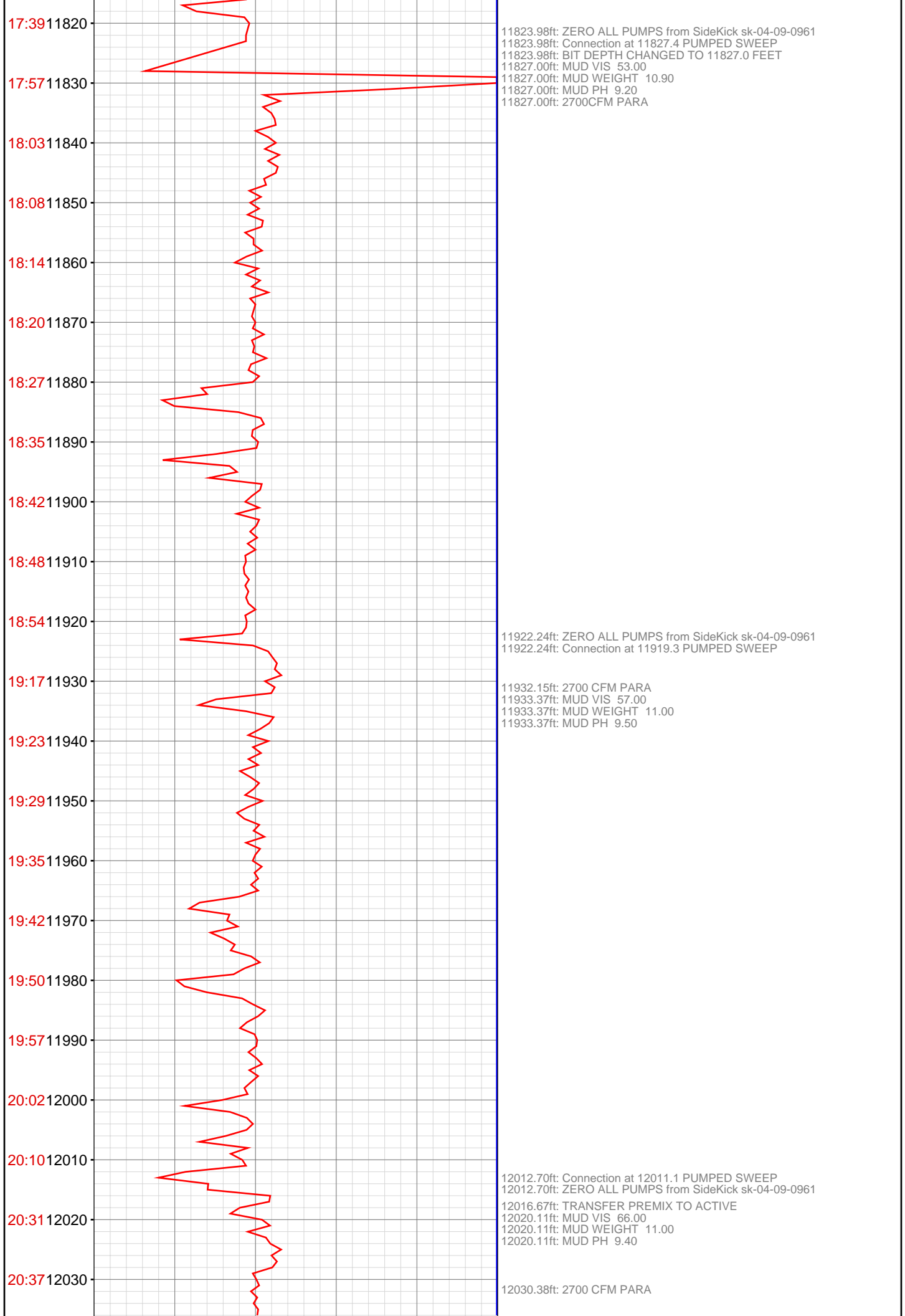
11511.52ft: 2000CFM PARA

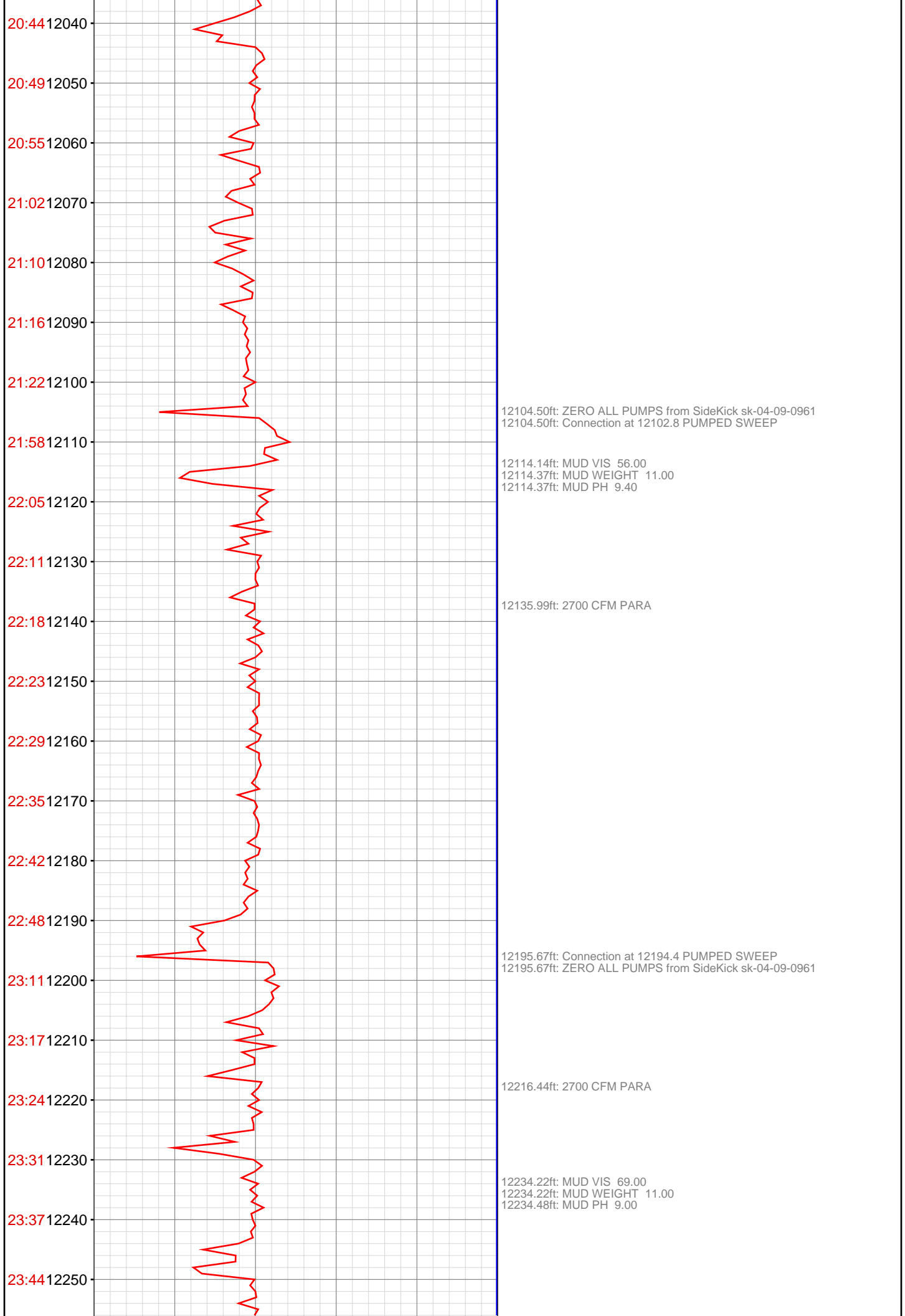
11531.30ft: 2200CFM PARA

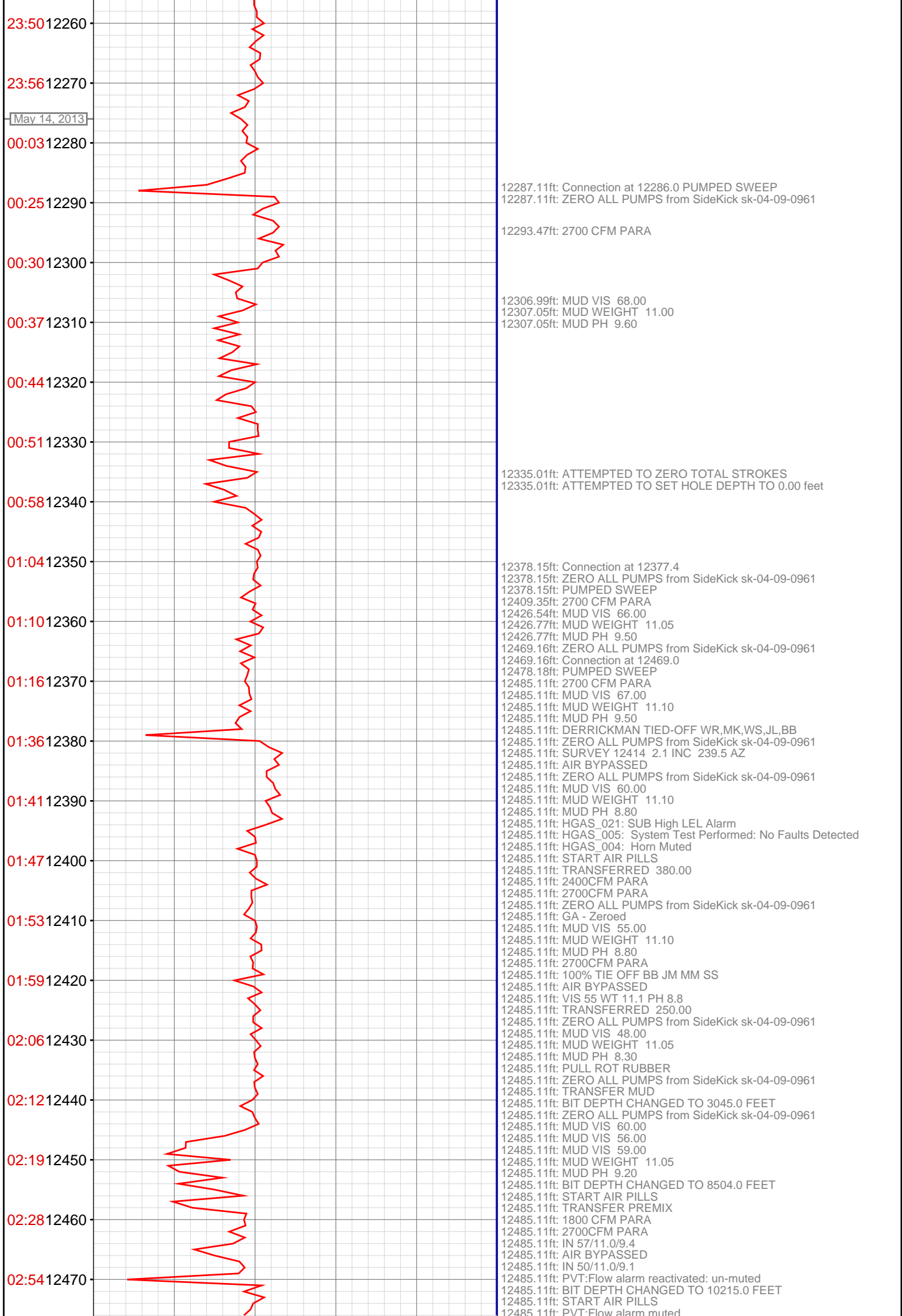
11550.56ft: MUD VIS 66.00  
11550.56ft: MUD WEIGHT 10.95  
11550.56ft: MUD PH 9.30  
11550.56ft: SURVEY @ 11498 1.6 INC. 245.6 AZ.  
11550.56ft: Connection at 11553.1

11563.78ft: 2400CFM PARA











03:01	12480						12485.11ft: 2700CFM PARA
							12485.11ft: BIT DEPTH CHANGED TO 12119.0 FEET
							12485.11ft: RIG DOWN TAWG TOOL
							12485.11ft: 2700CFM PARA
							12485.11ft: 2700CFM PARA
							12485.11ft: AIR BYPASSED
							12485.11ft: START AIR PILLS
							12485.11ft: 2400CFM PARA
							12485.11ft: 2700CFM PARA
							12485.11ft: PVT:Volume alarm muted
							12485.11ft: IN 40/10.4/8.6
							12485.11ft: TRANSFERRED 200.00
	12490						