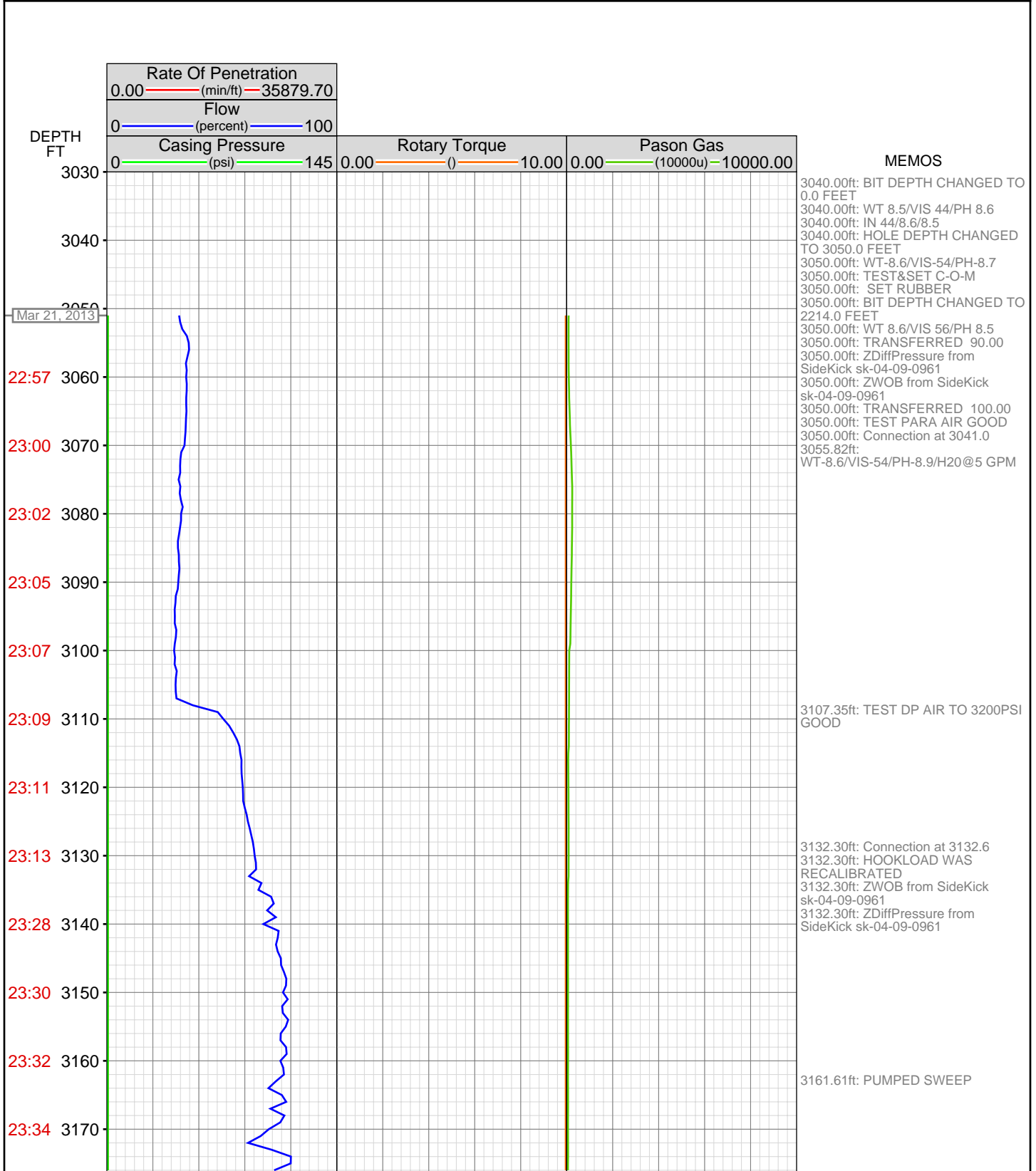


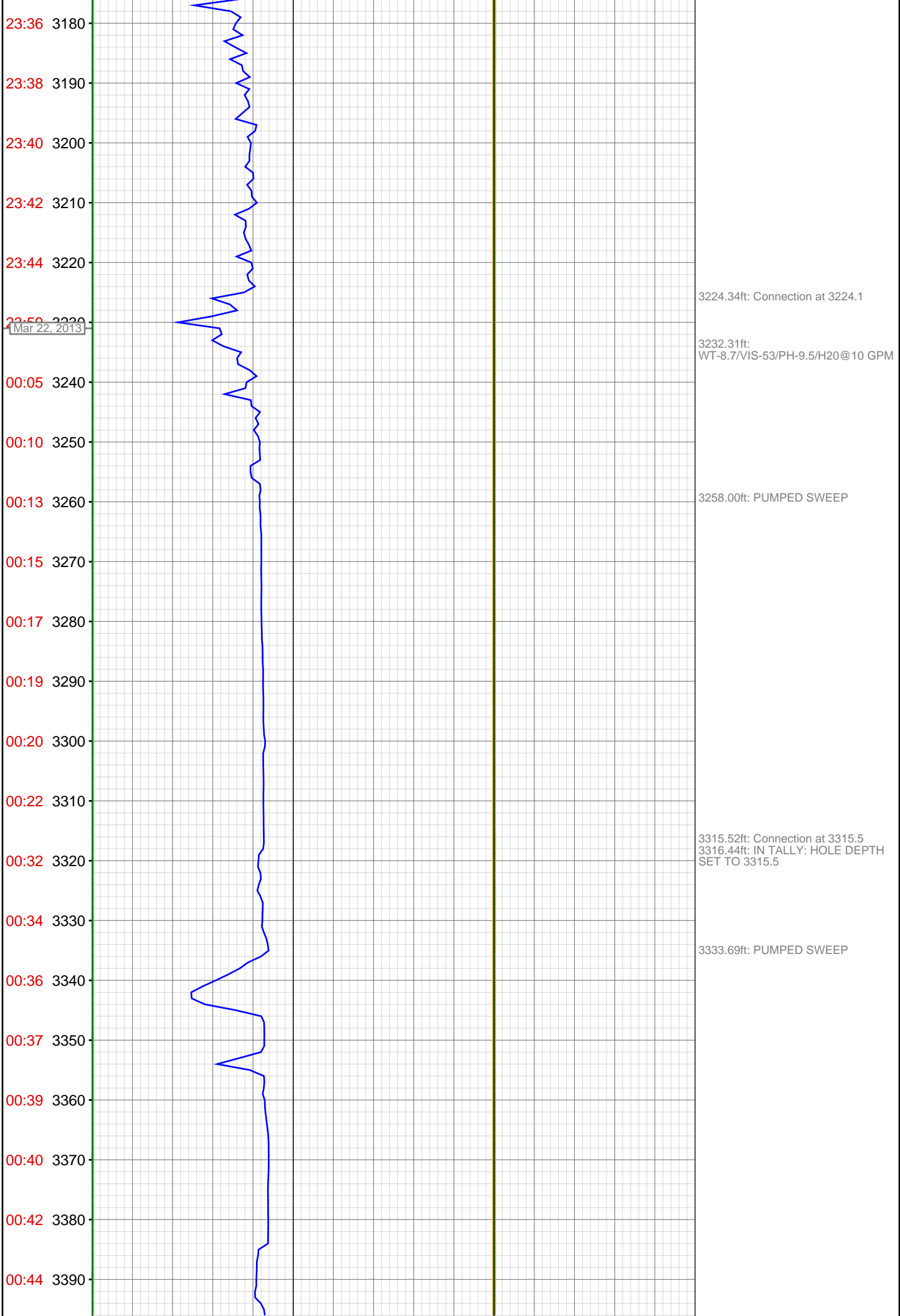
DataHub EDR Log

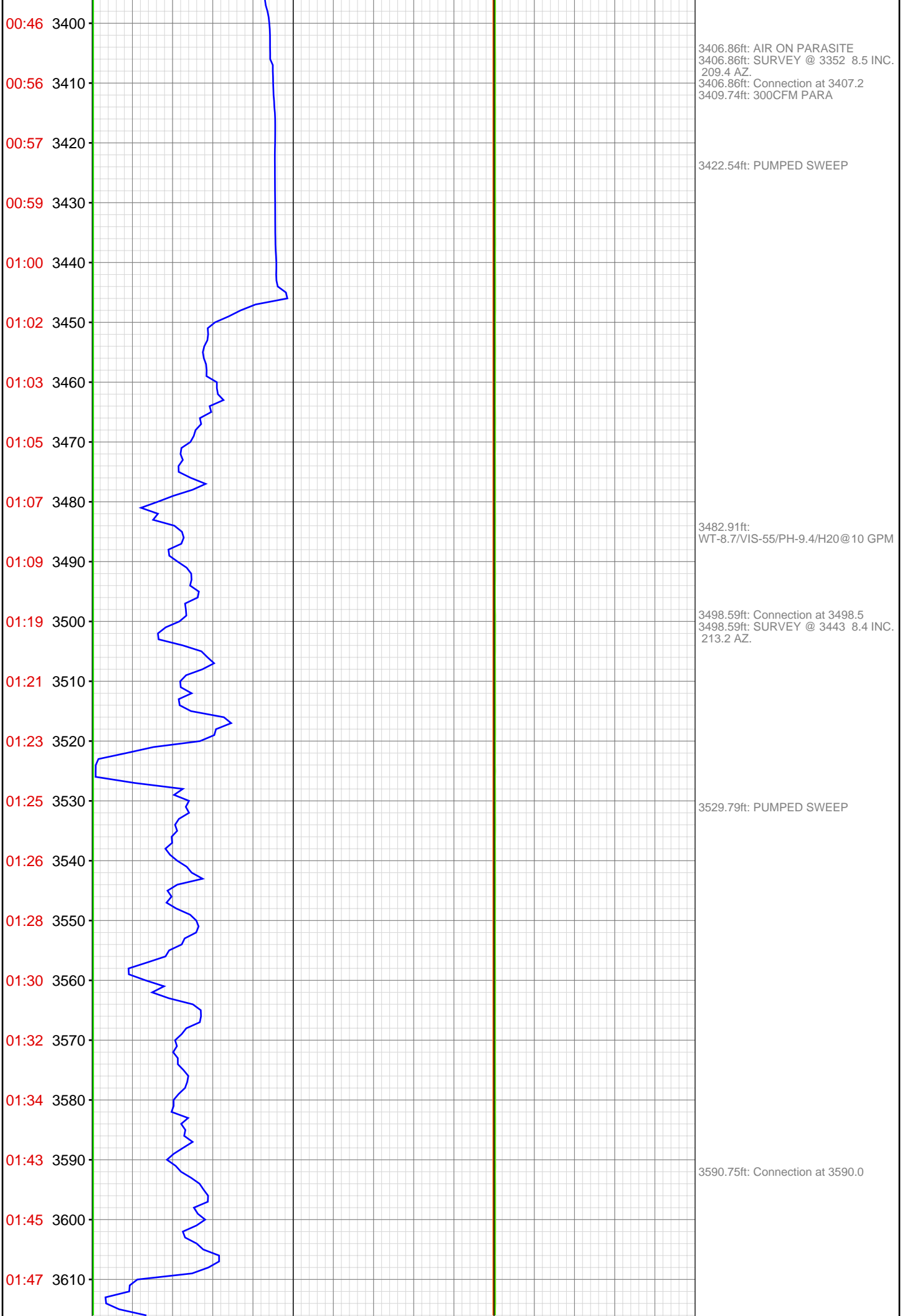
Tue Mar 26, 2013 13:52:41
Well Dossier 1363736212
Marilyn Tucker

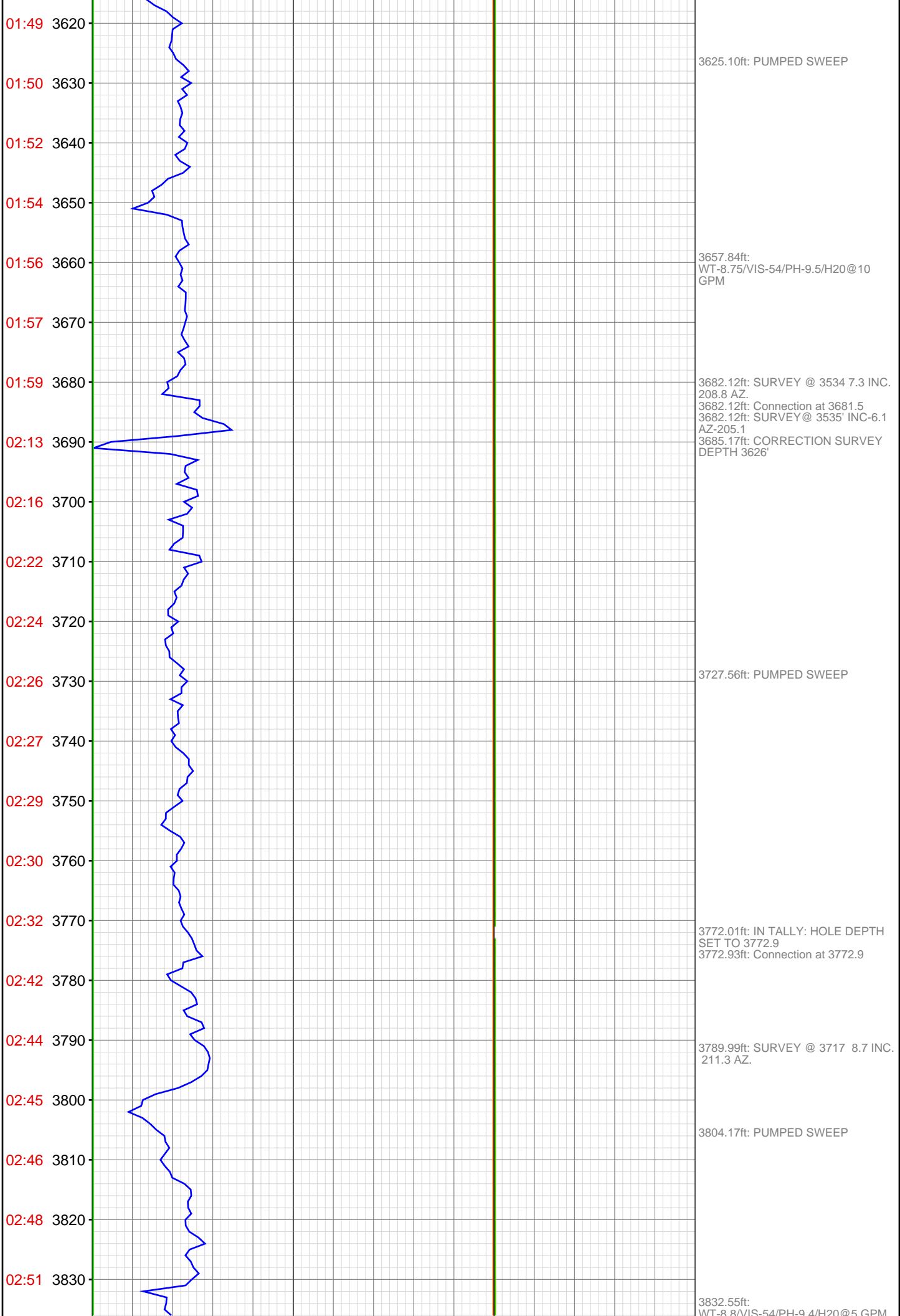
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: SG 8504E-36 D36 496
FIELD:
LOCATION: Sec 36 Twp 4S Rng 96W
COUNTRY: USA
RIG: Pat-UTI 326

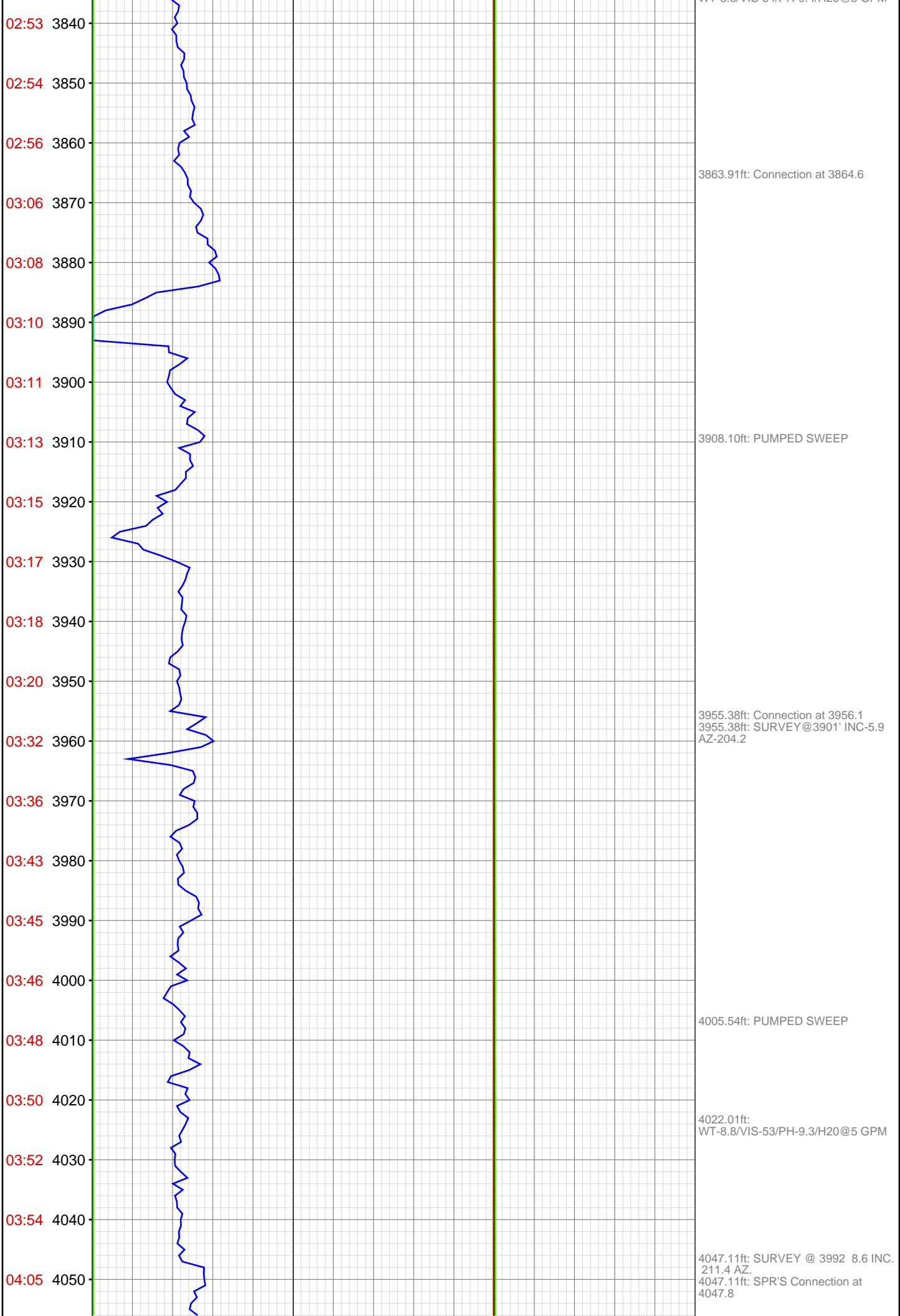
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05-045-20933-00
SPUD DATE: Mar 21, 2013 23:00
RELEASE DATE:

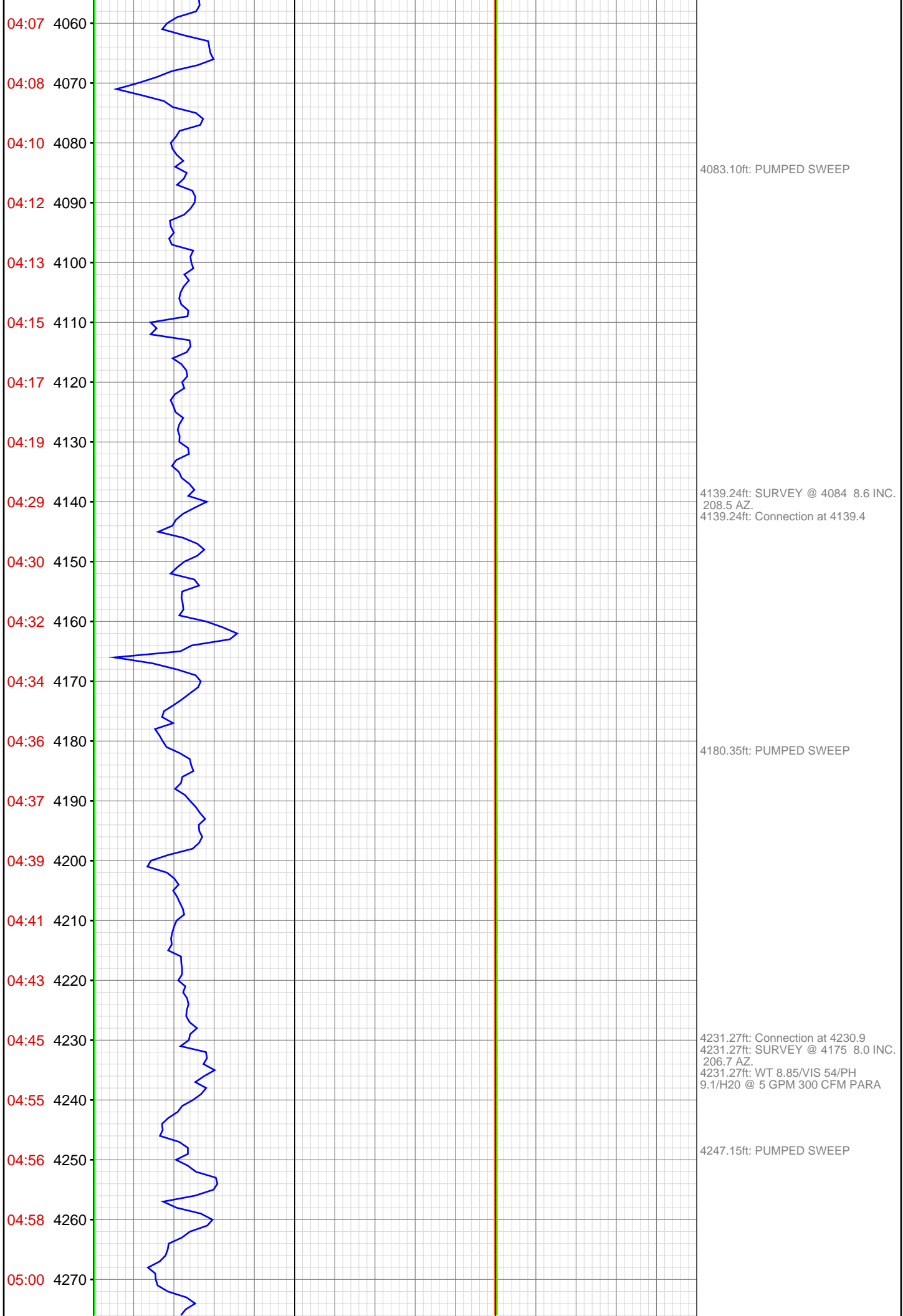


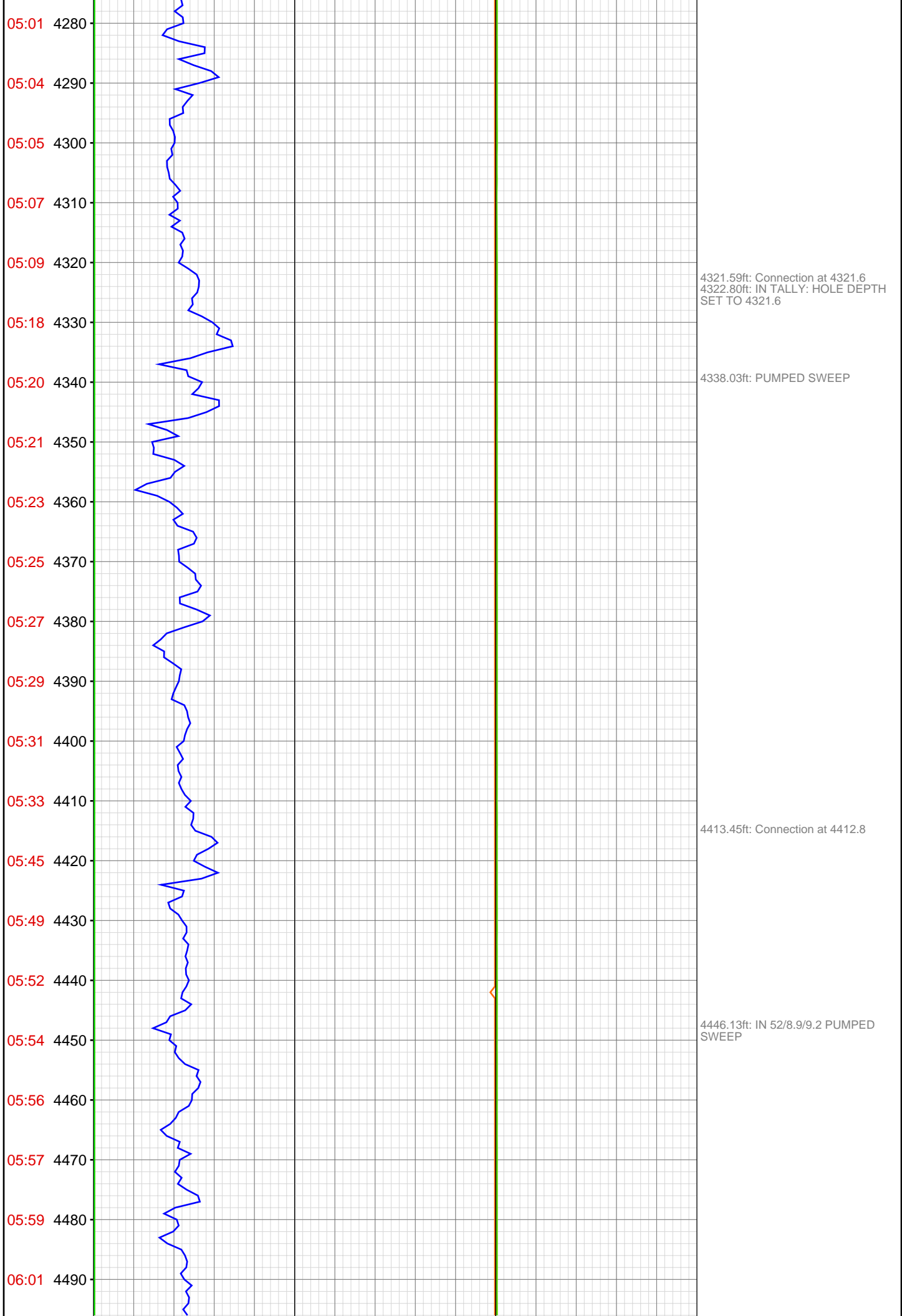


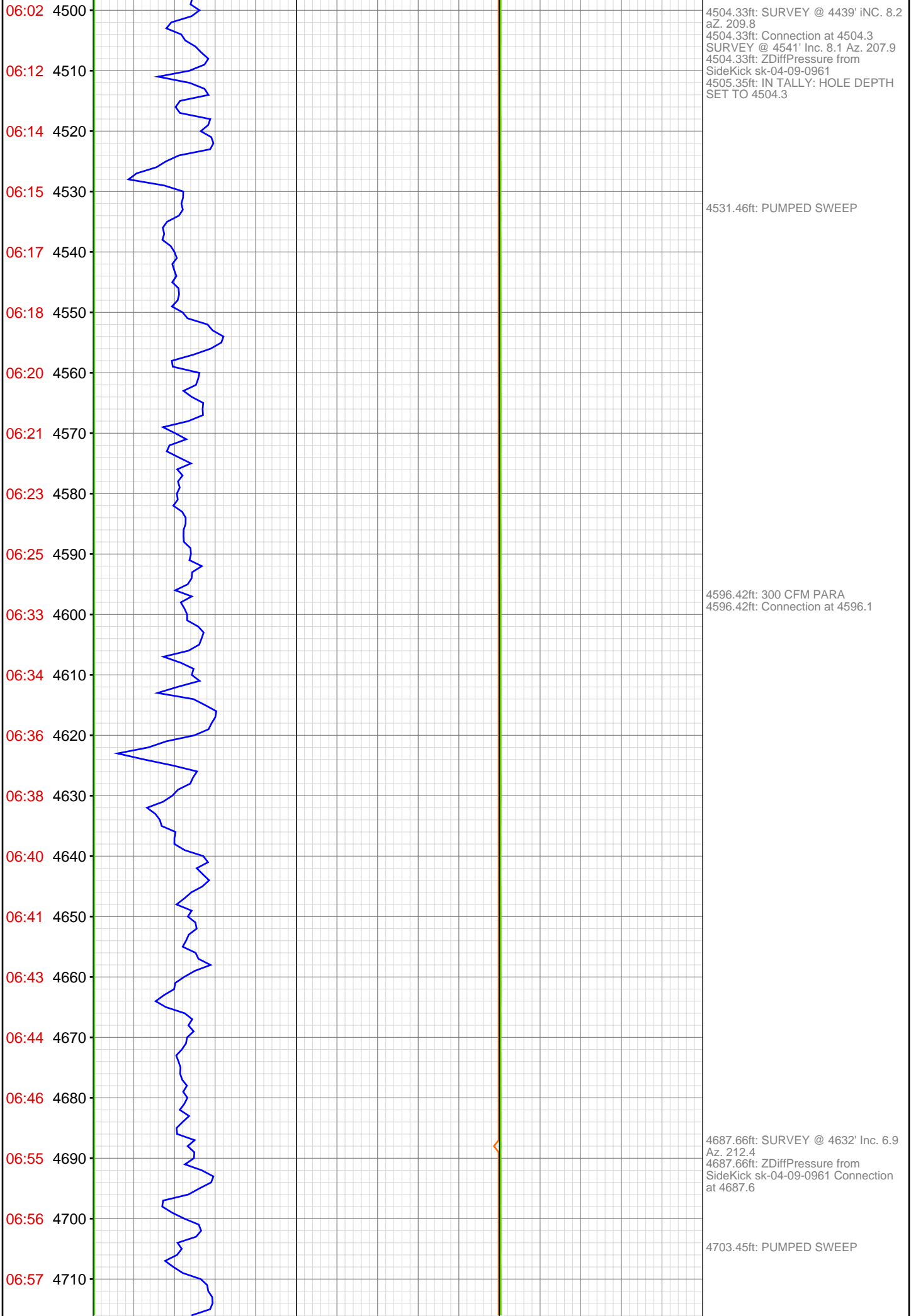


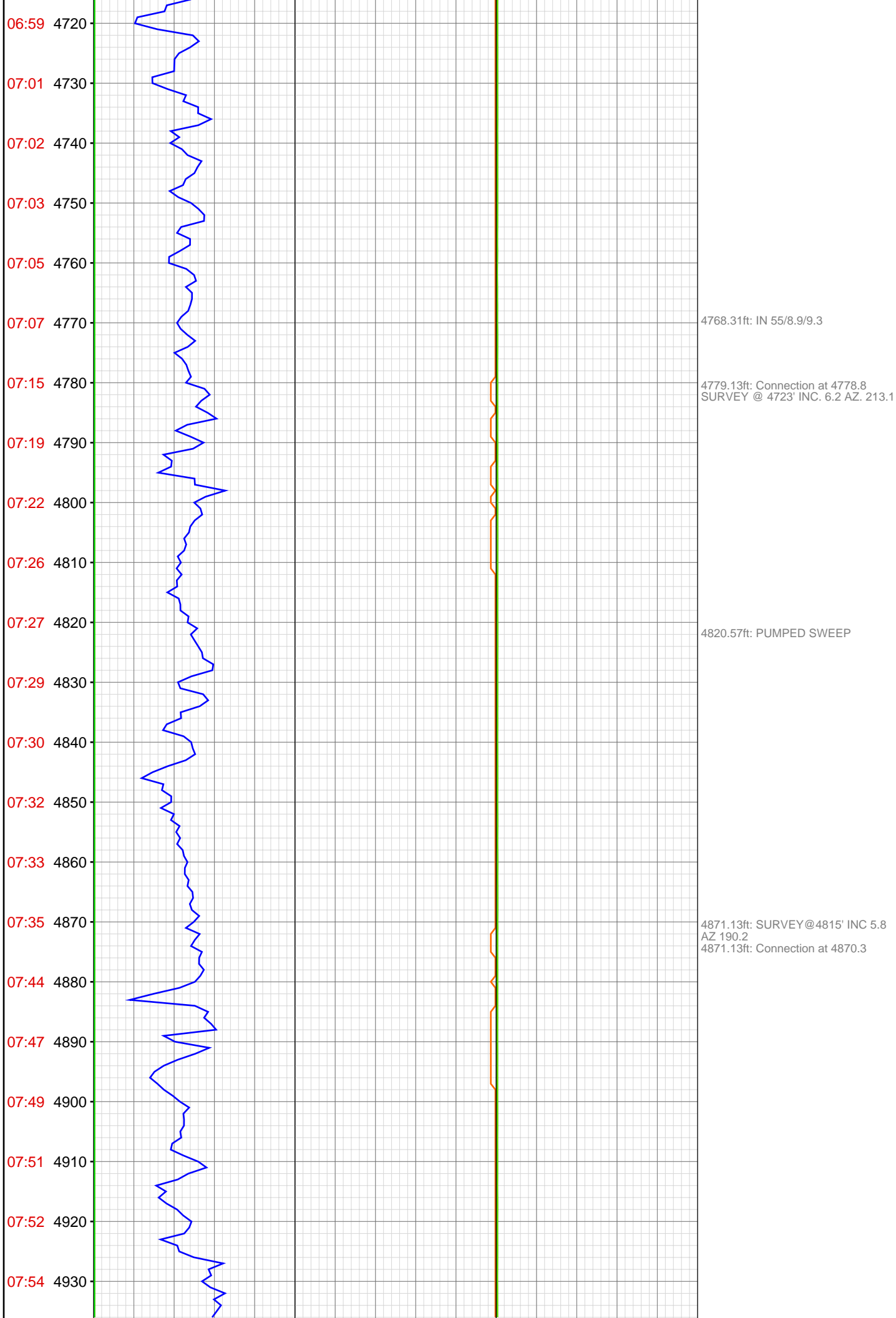


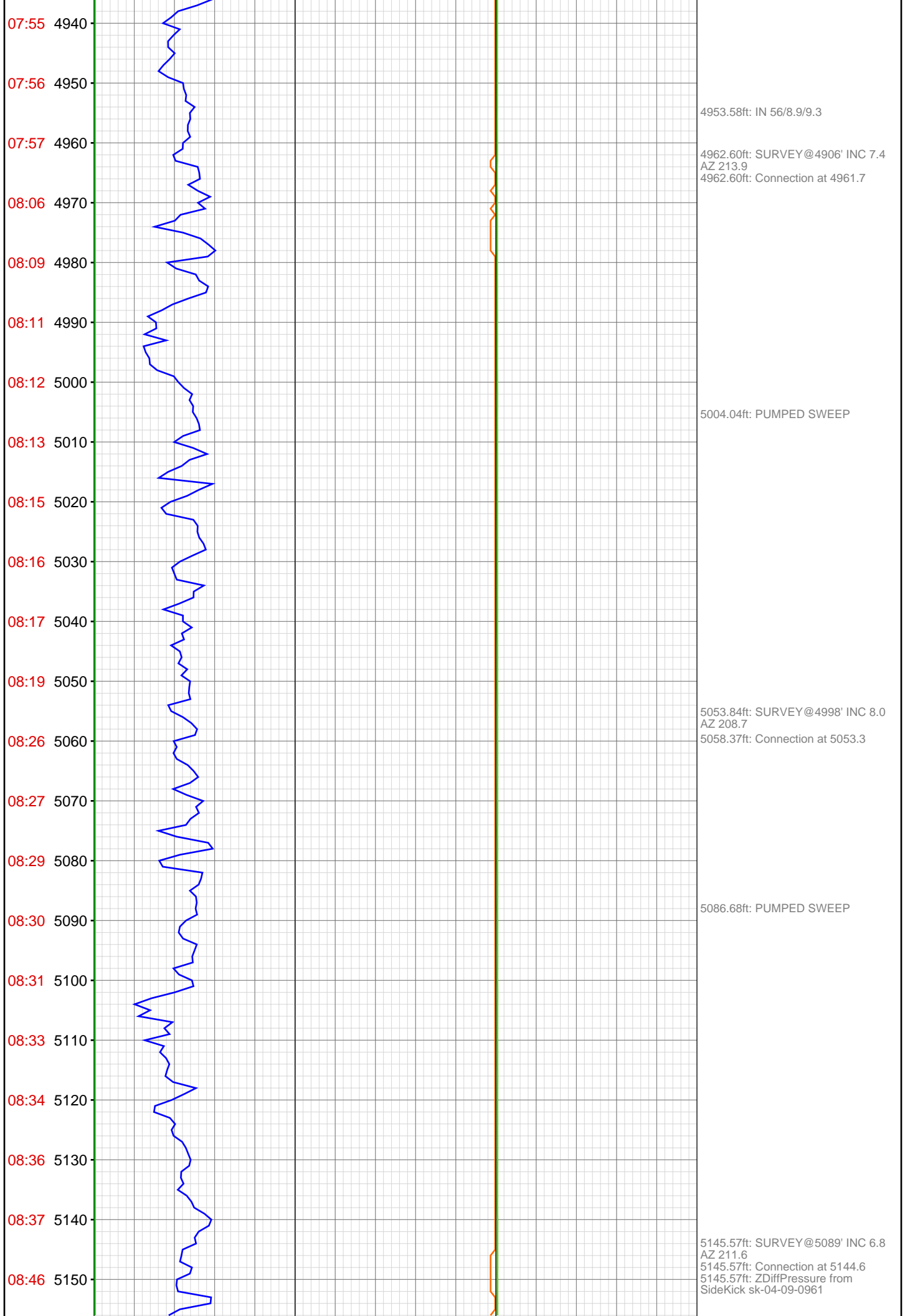


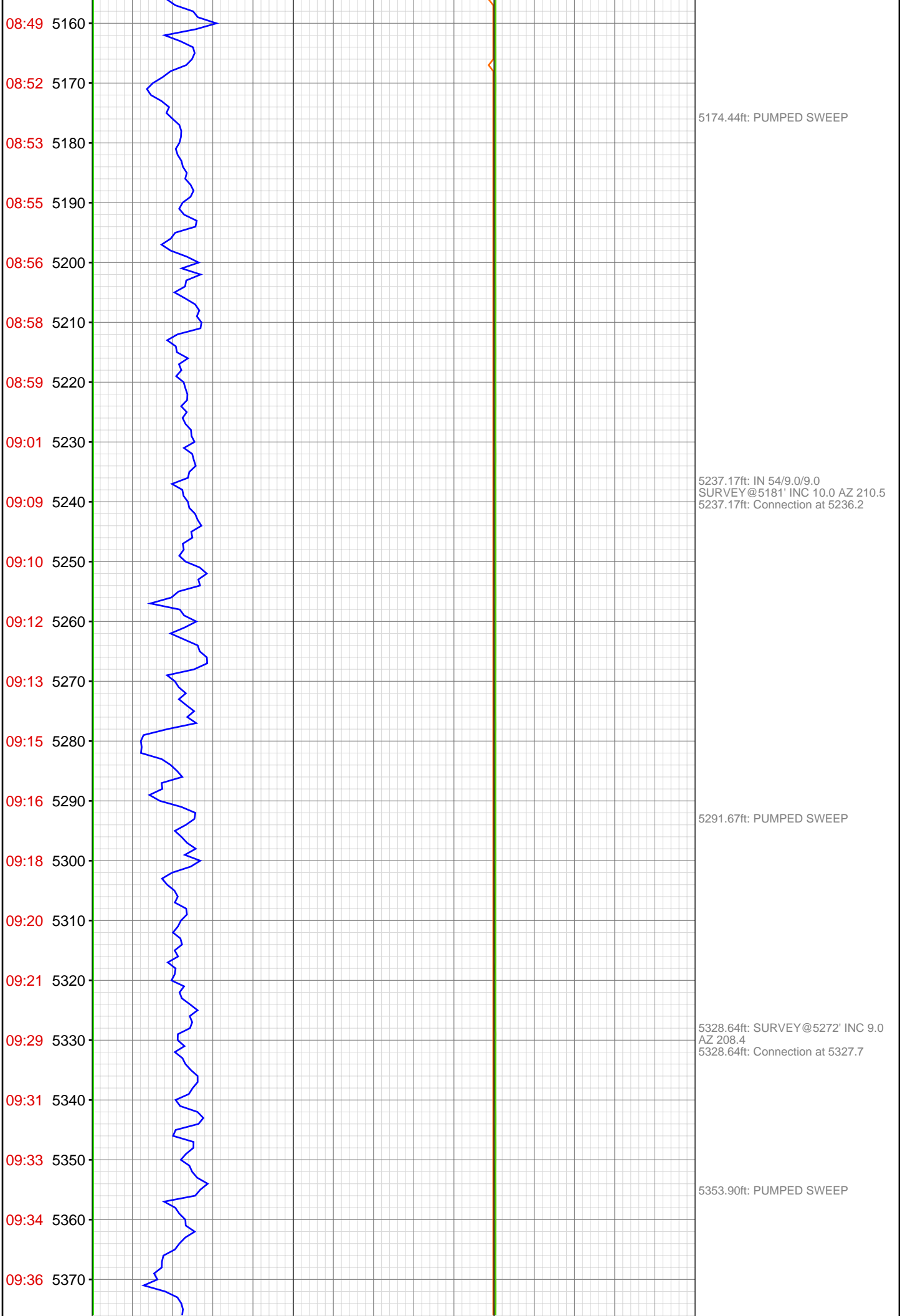


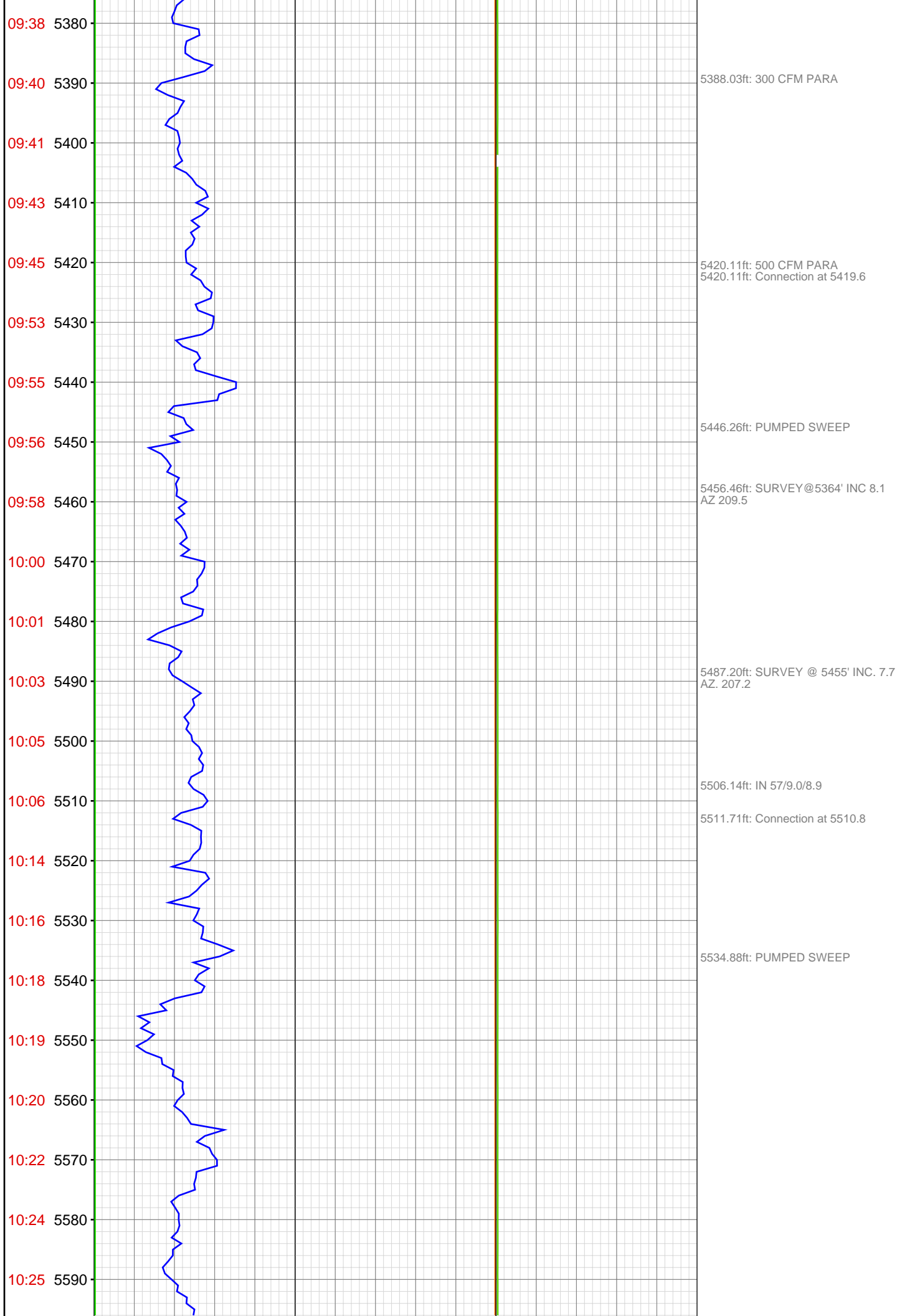




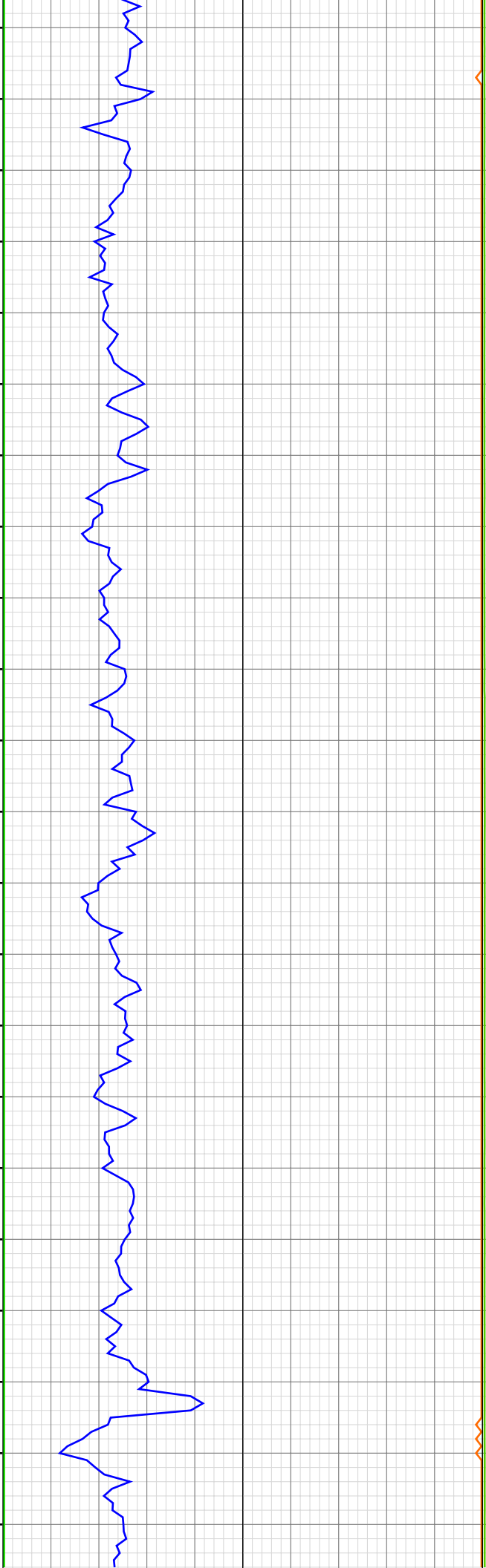








10:27 5600
10:38 5610
10:43 5620
10:45 5630
10:46 5640
10:48 5650
10:49 5660
10:51 5670
10:52 5680
10:54 5690
11:04 5700
11:05 5710
11:08 5720
11:10 5730
11:13 5740
11:14 5750
11:16 5760
11:18 5770
11:19 5780
11:31 5790
11:34 5800
11:37 5810



5602.82ft: SURVEY@5547' INC 7.3
AZ 210.4

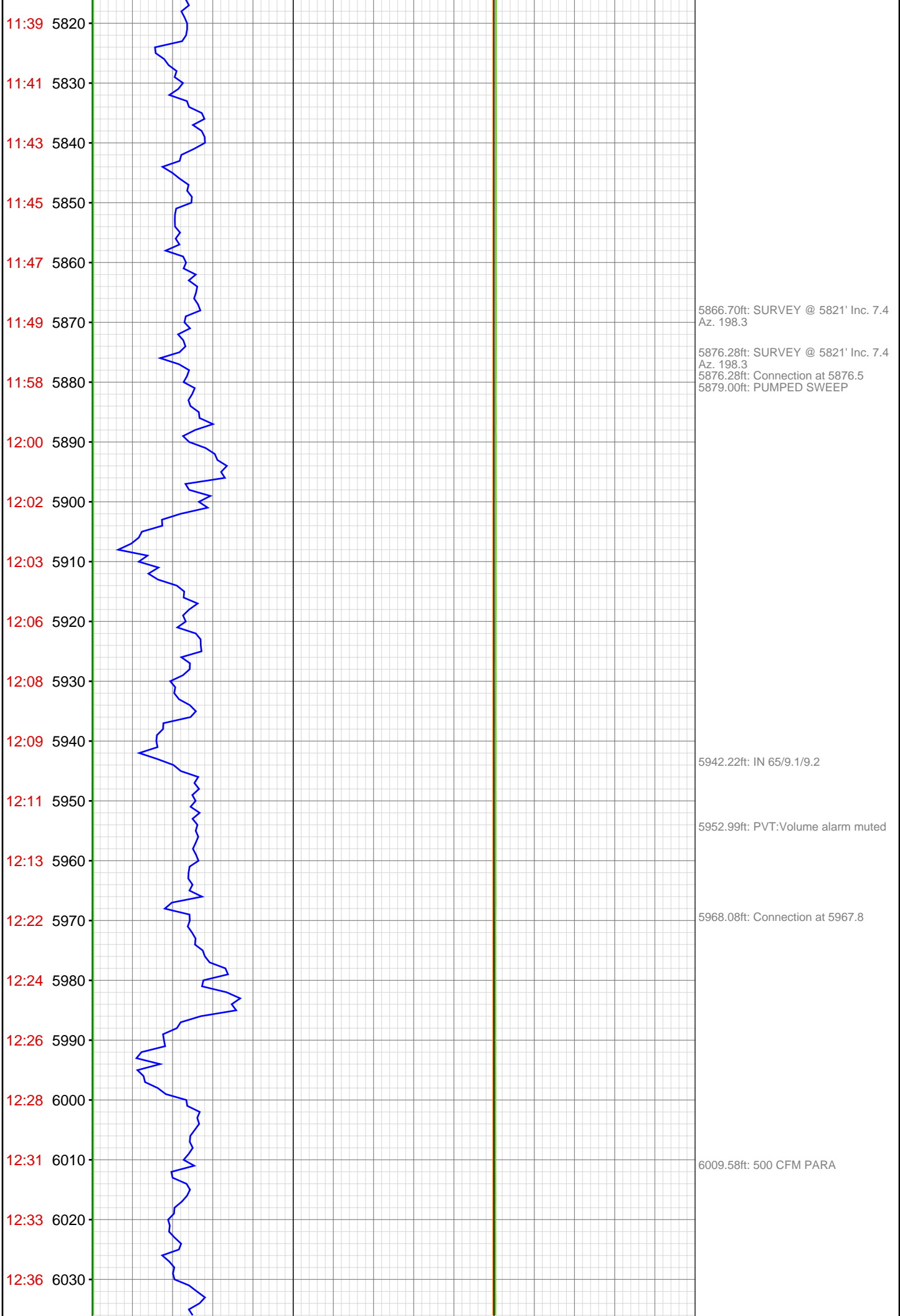
5602.82ft: Connection at 5602.4

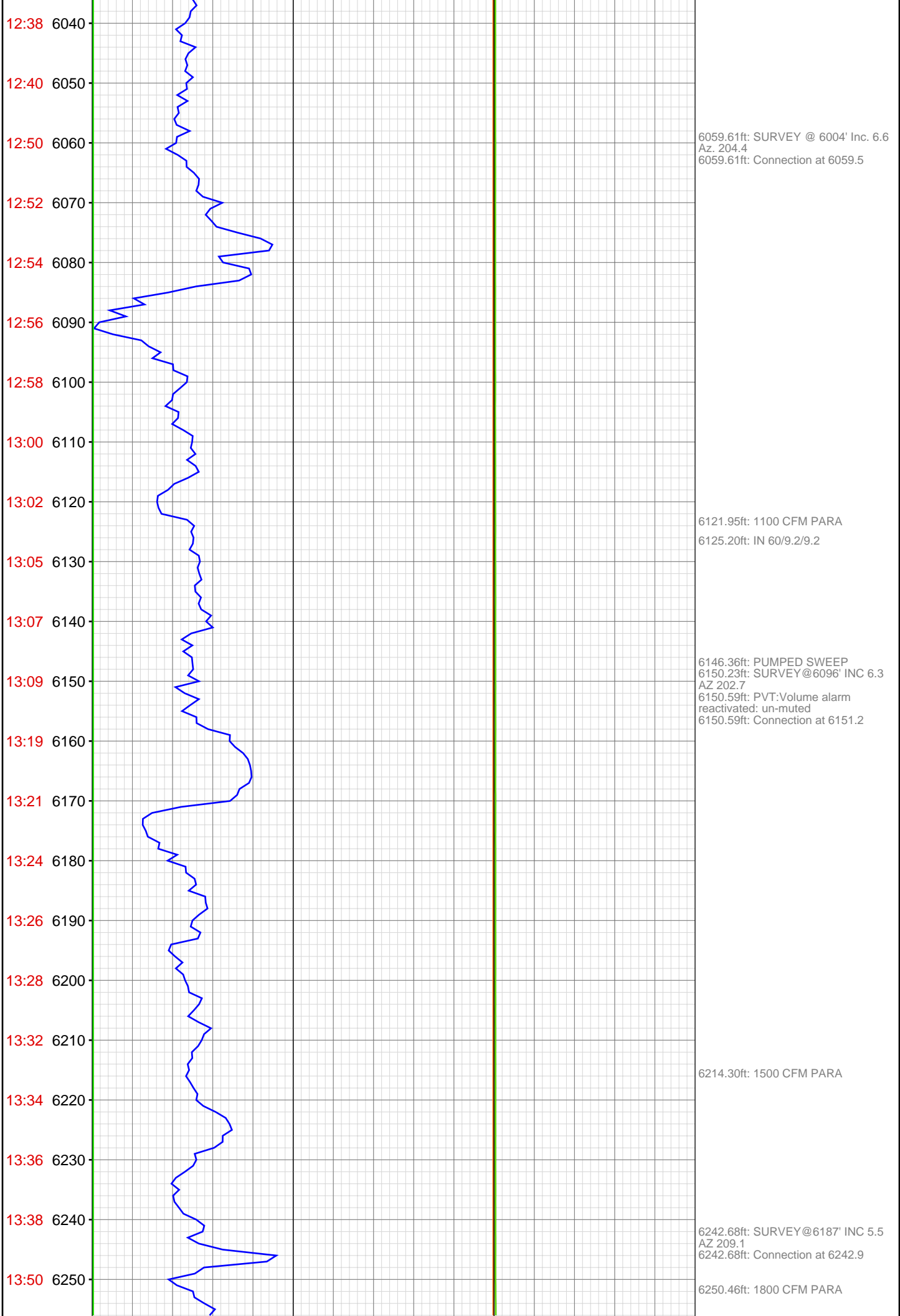
5617.78ft: PUMPED SWEEP

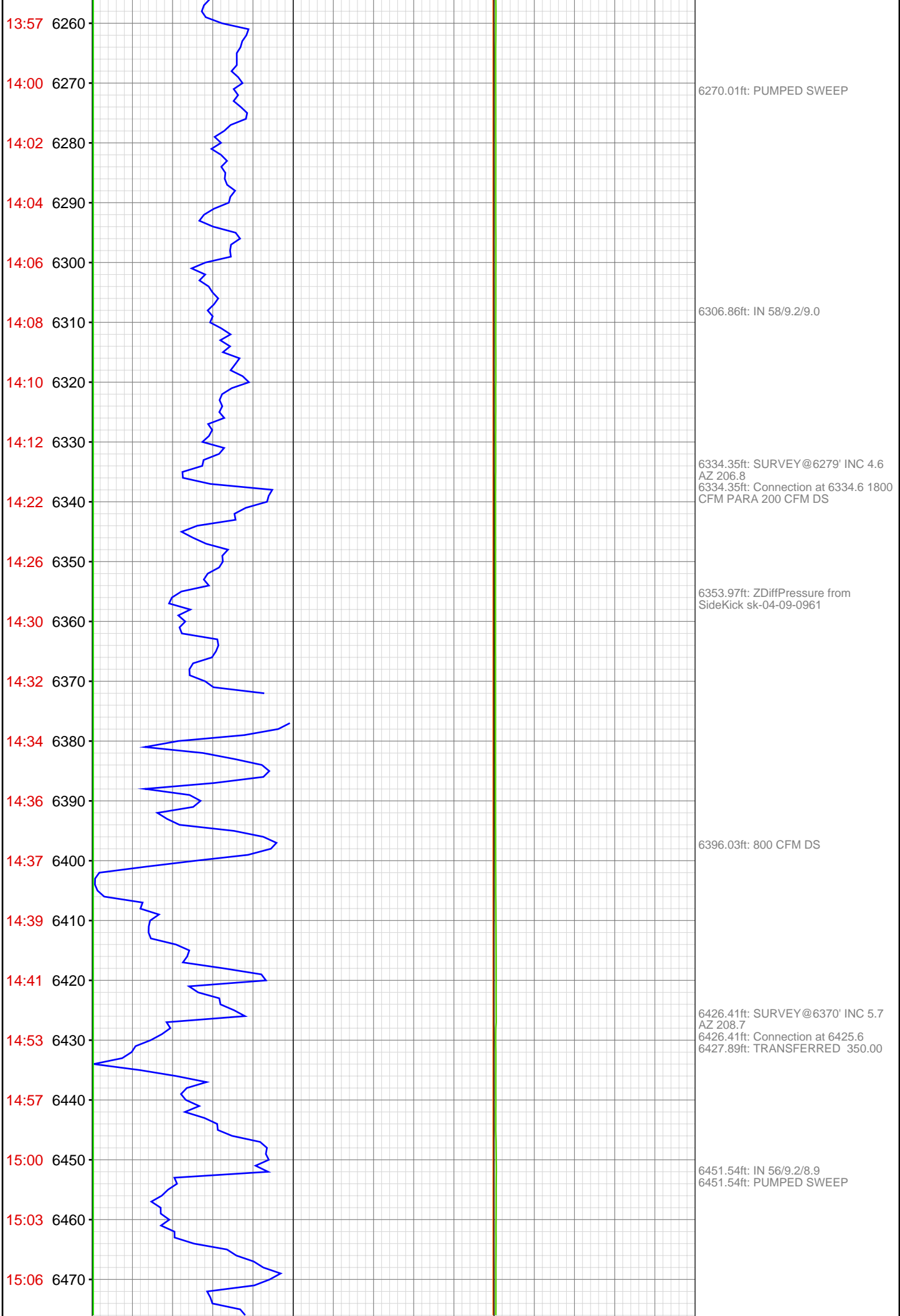
5693.87ft: 500 CFM PARA
Connection at 5693.9
SURVEY@5638' INC 6.4 AZ 203.6
5694.69ft: IN TALLY: HOLE DEPTH
SET TO 5693.9
5698.52ft: IN 61/9.05/8.7

5785.60ft: Connection at 5785.1

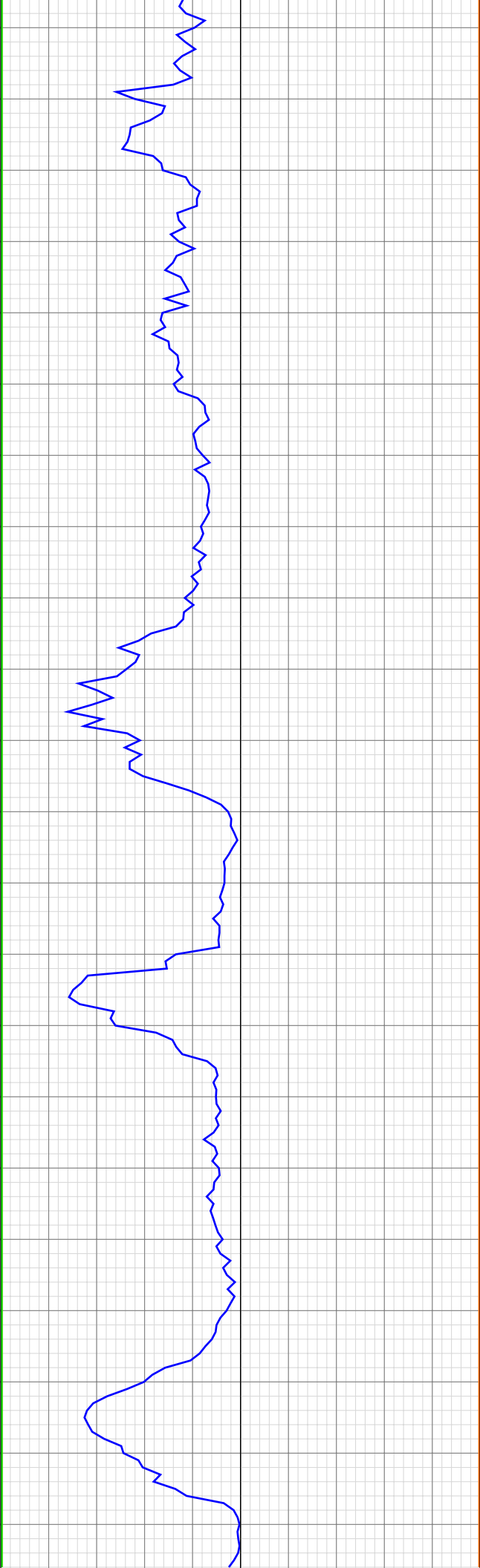
5808.69ft: PUMPED SWEEP







15:08 6480
15:10 6490
15:12 6500
15:14 6510
15:27 6520
15:34 6530
15:42 6540
15:44 6550
15:45 6560
15:47 6570
15:49 6580
15:51 6590
15:52 6600
16:02 6610
16:07 6620
16:12 6630
16:15 6640
16:16 6650
16:18 6660
16:21 6670
16:23 6680
16:25 6690



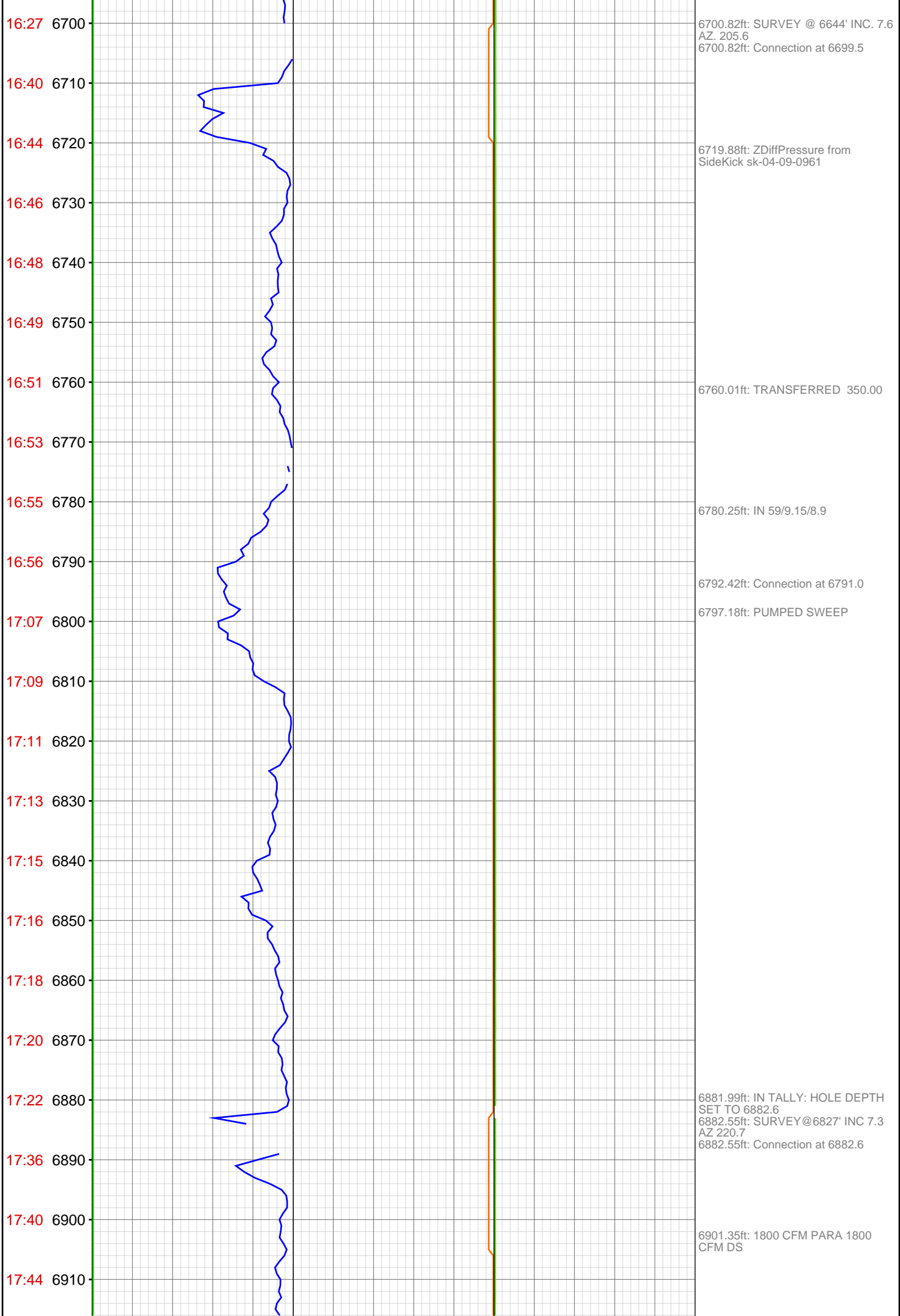
6517.06ft: SURVEY @ 6462' INC. 5.2
AZ. 203.1
6517.06ft: Connection at 6517.1
6518.44ft: IN TALLY: HOLE DEPTH
SET TO 6517.1
6518.87ft: 1800 CFM PARA
6520.37ft: 1200 CFM DS

6529.82ft: 1800 CFM DS

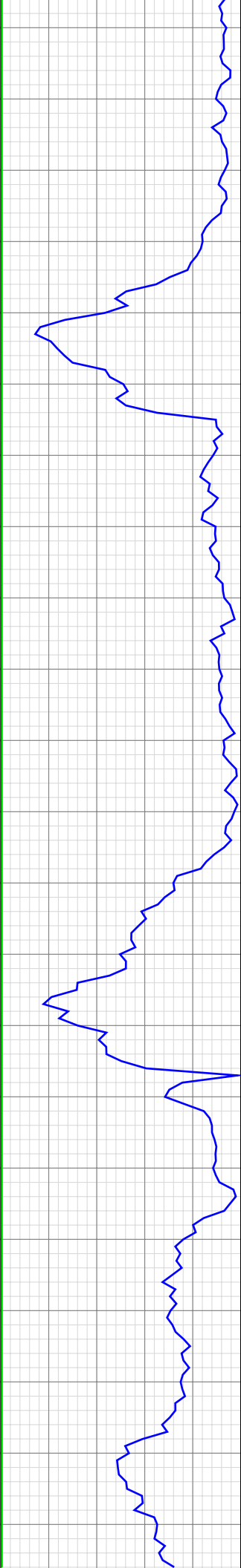
6540.29ft: ZDiffPressure from
SideKick sk-04-09-0961

6609.15ft: SURVEY @ 6553' INC. 6.9
AZ. 201.7
6609.15ft: ZDiffPressure from
SideKick sk-04-09-0961
6609.15ft: IN 57/9.1/8.9
6609.15ft: Connection at 6608.6

6638.85ft: PUMPED SWEEP



17:46 6920
17:48 6930
17:50 6940
17:51 6950
17:53 6960
17:55 6970
18:17 6980
18:19 6990
18:21 7000
18:23 7010
18:25 7020
18:27 7030
18:29 7040
18:30 7050
18:32 7060
18:49 7070
18:57 7080
19:02 7090
19:04 7100
19:06 7110
19:07 7120
19:09 7130



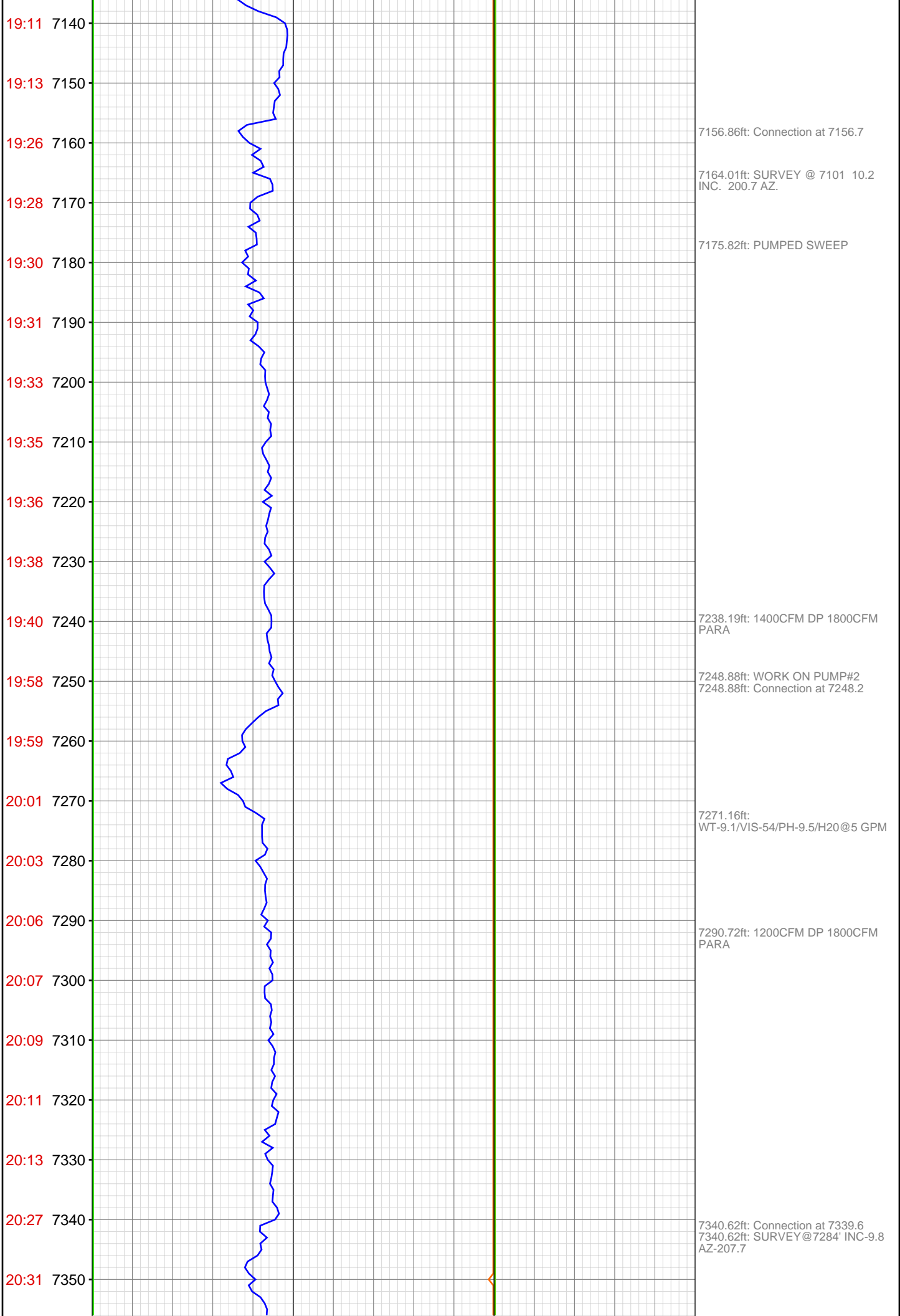
6974.54ft: WT 9.15/VIS 47/PH 9.3
6974.54ft: Connection at 6974.0
6974.54ft: SURVEY @ 6919 9.1 INC.
212.5 AZ.

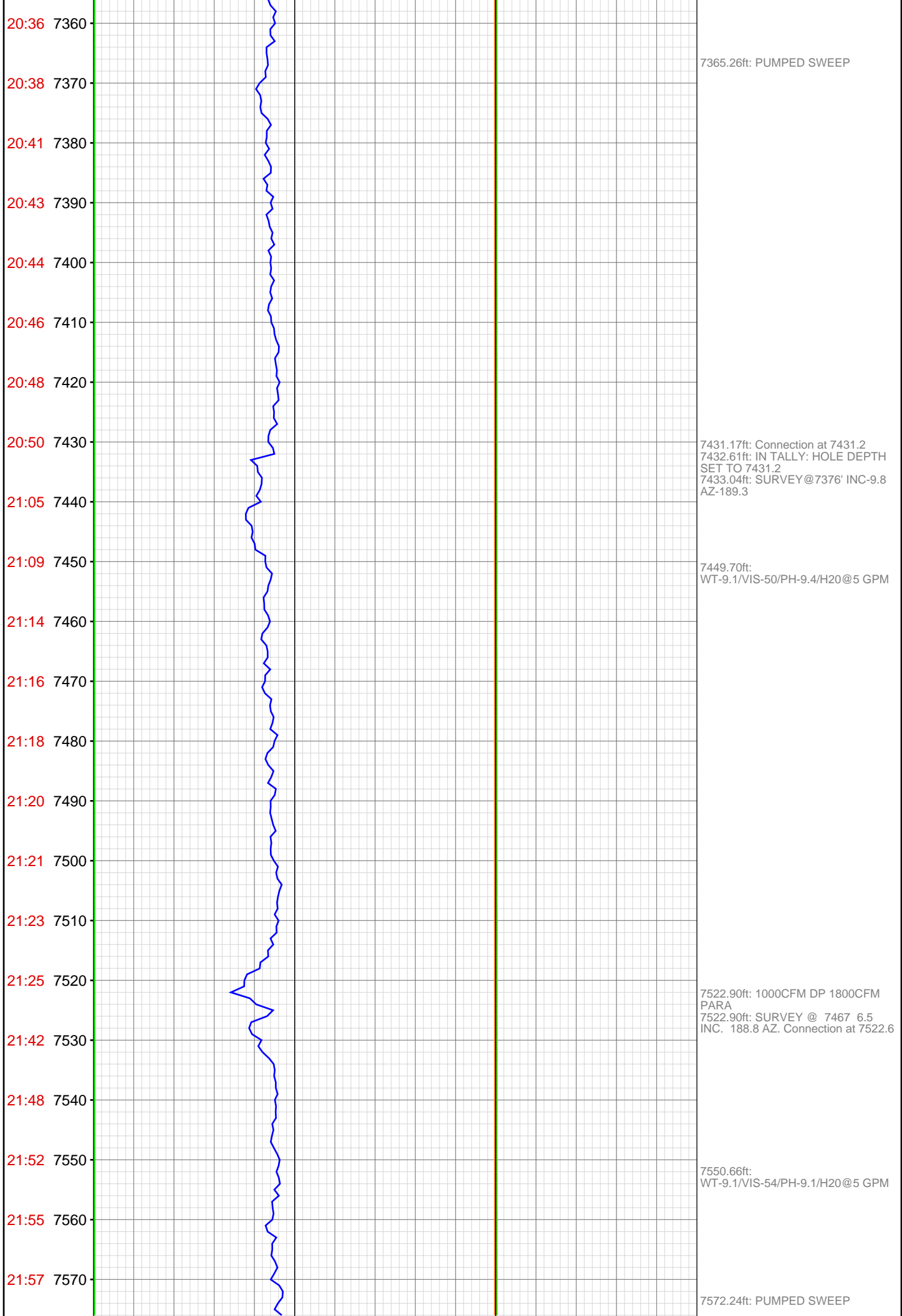
7003.77ft: PUMPED SWEEP

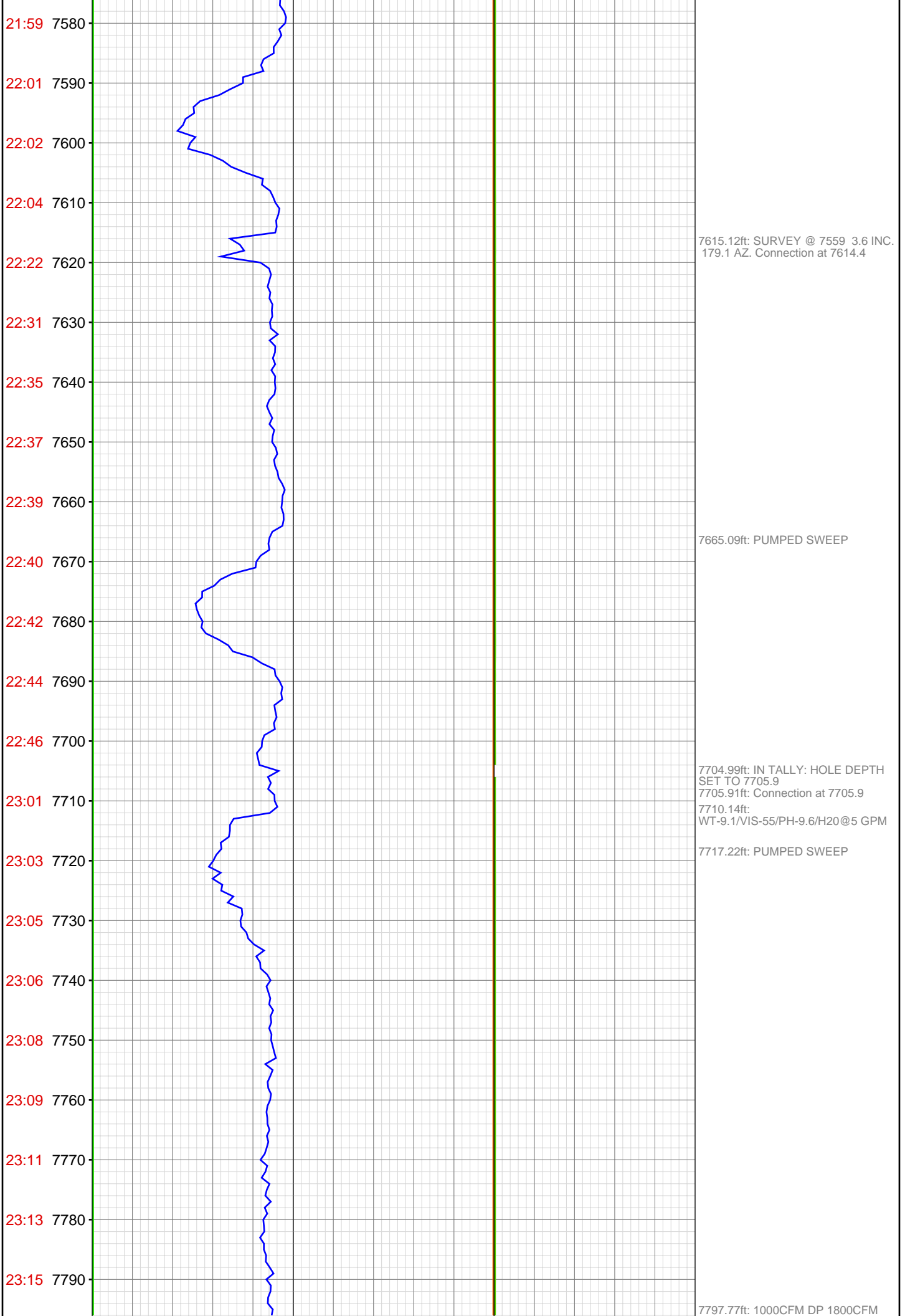
7024.08ft: 1800CFM PARA 1400CFM
DP

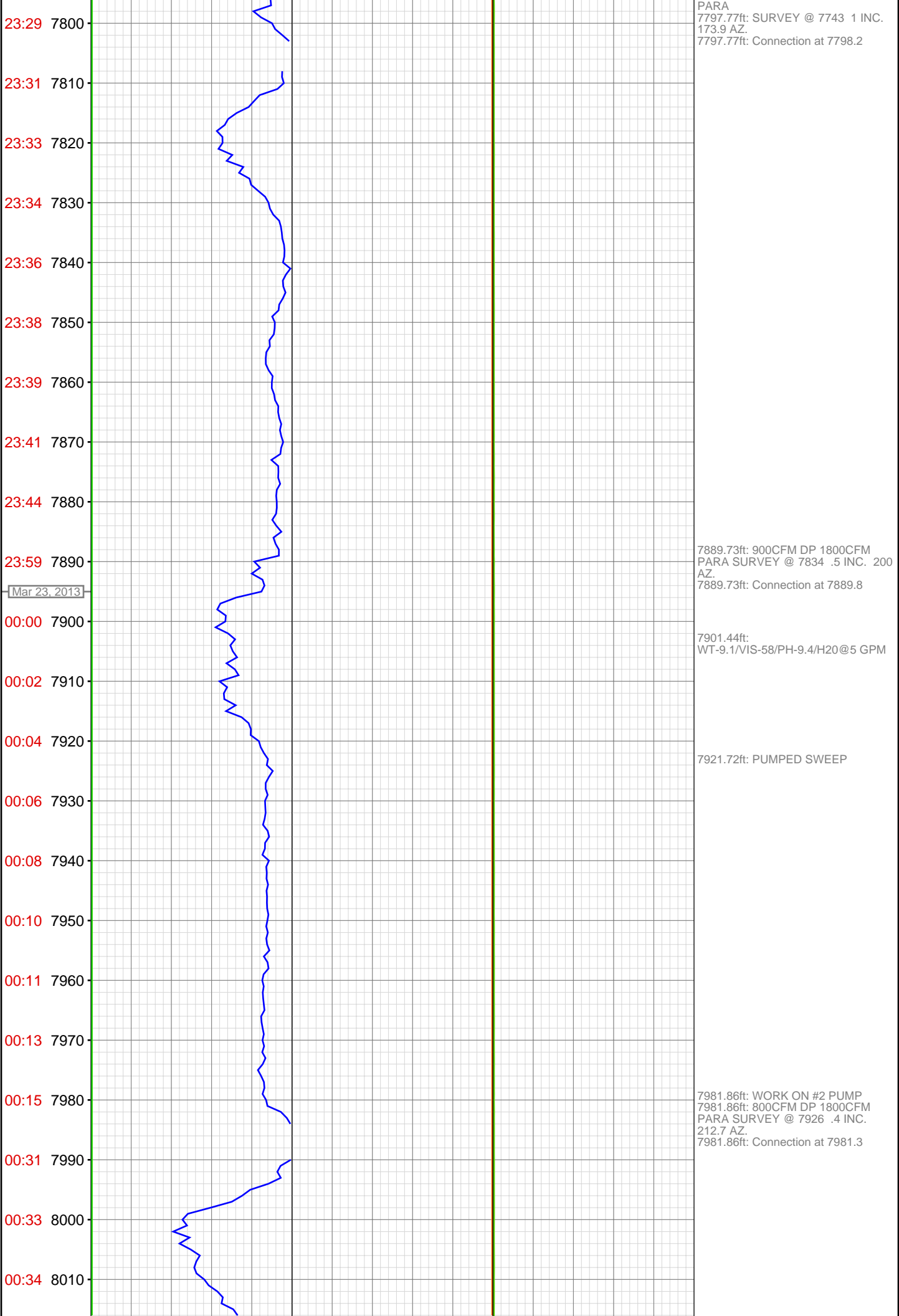
7065.26ft: Connection at 7065.3
7065.26ft: SURVEY@7010' INC-8.3
AZ-215.2
7066.90ft: IN TALLY: HOLE DEPTH
SET TO 7065.3

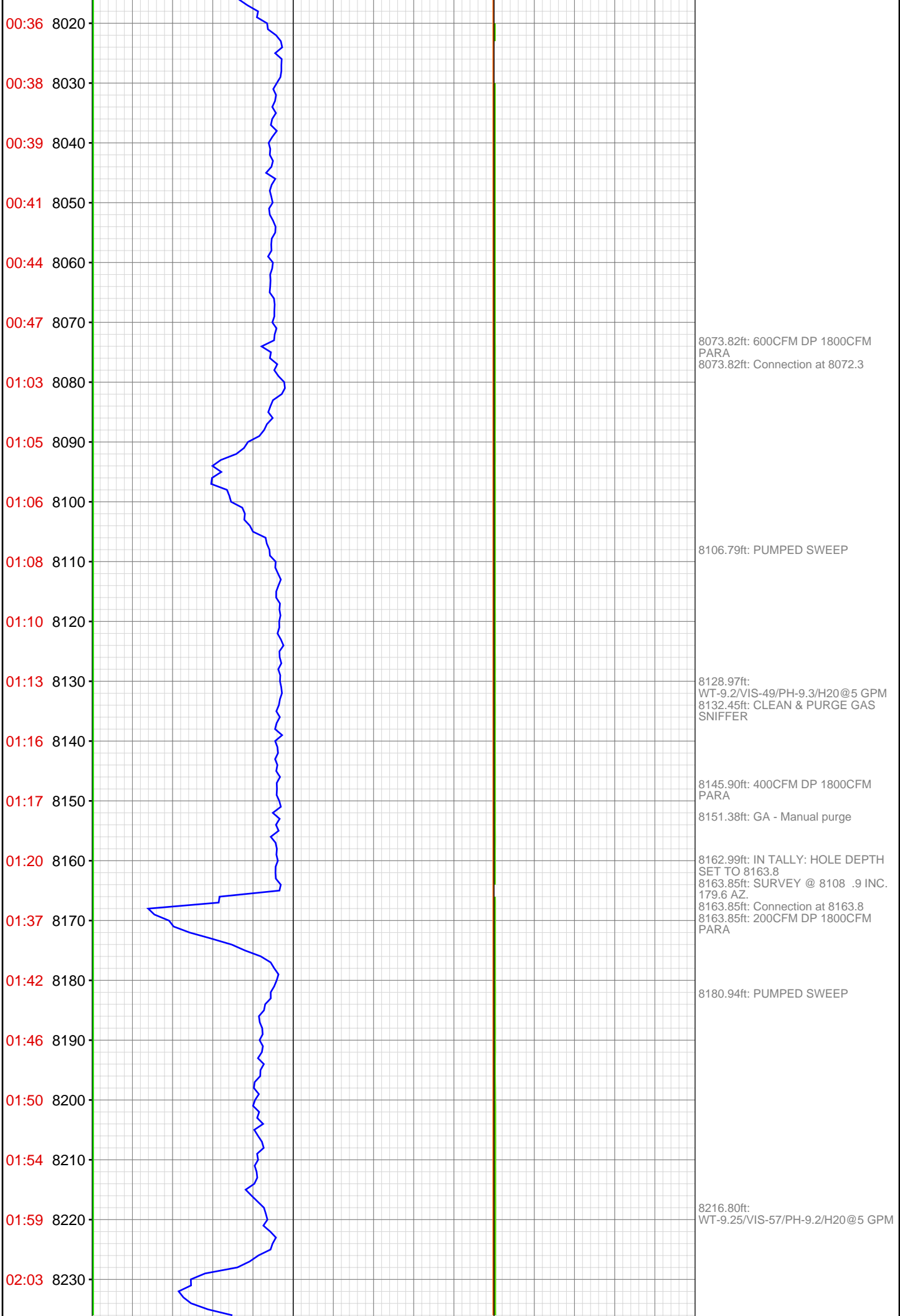
7083.66ft: WT 9.1VIS 56/PH 9.6/ H2O
@ 5 GPM

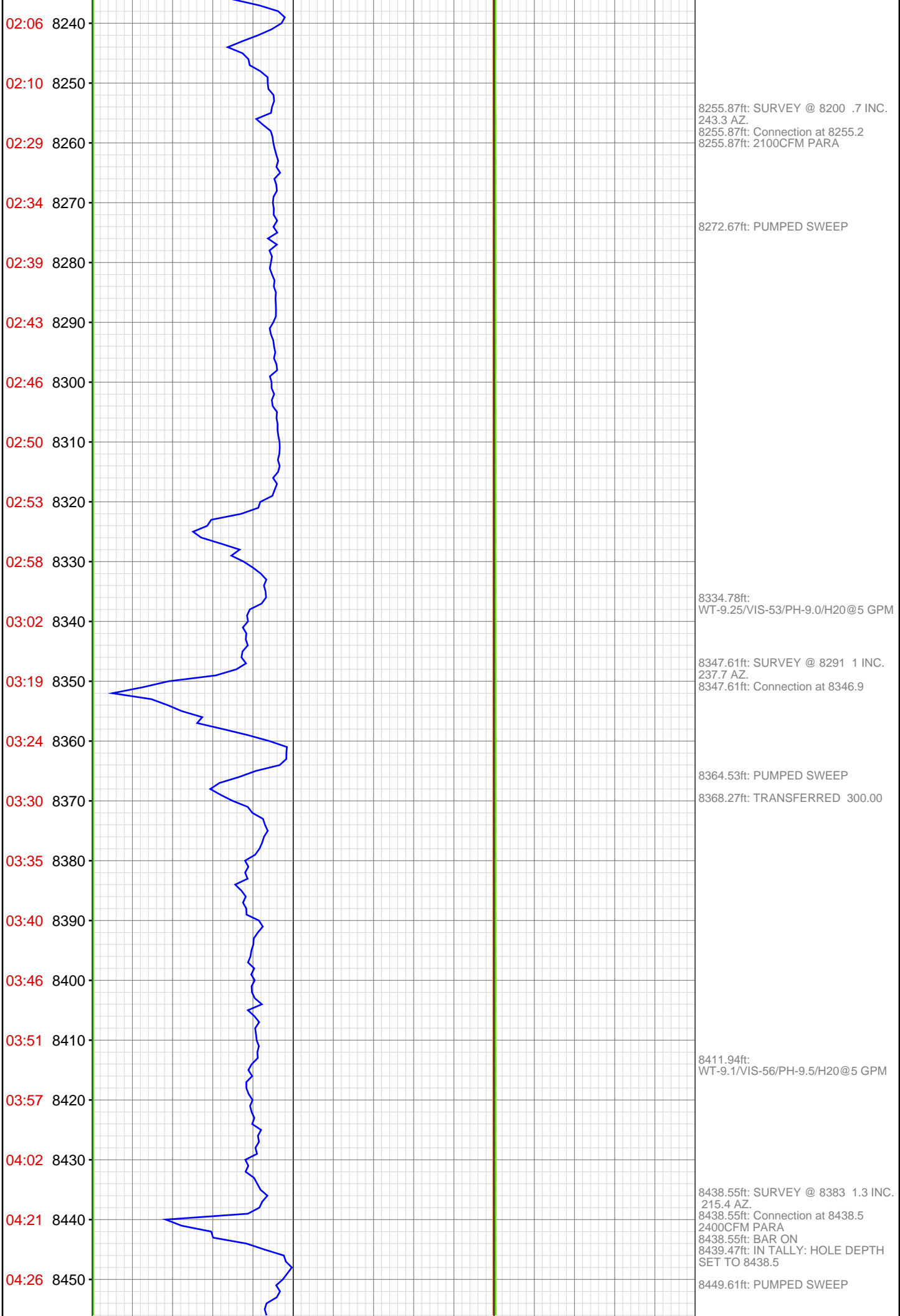


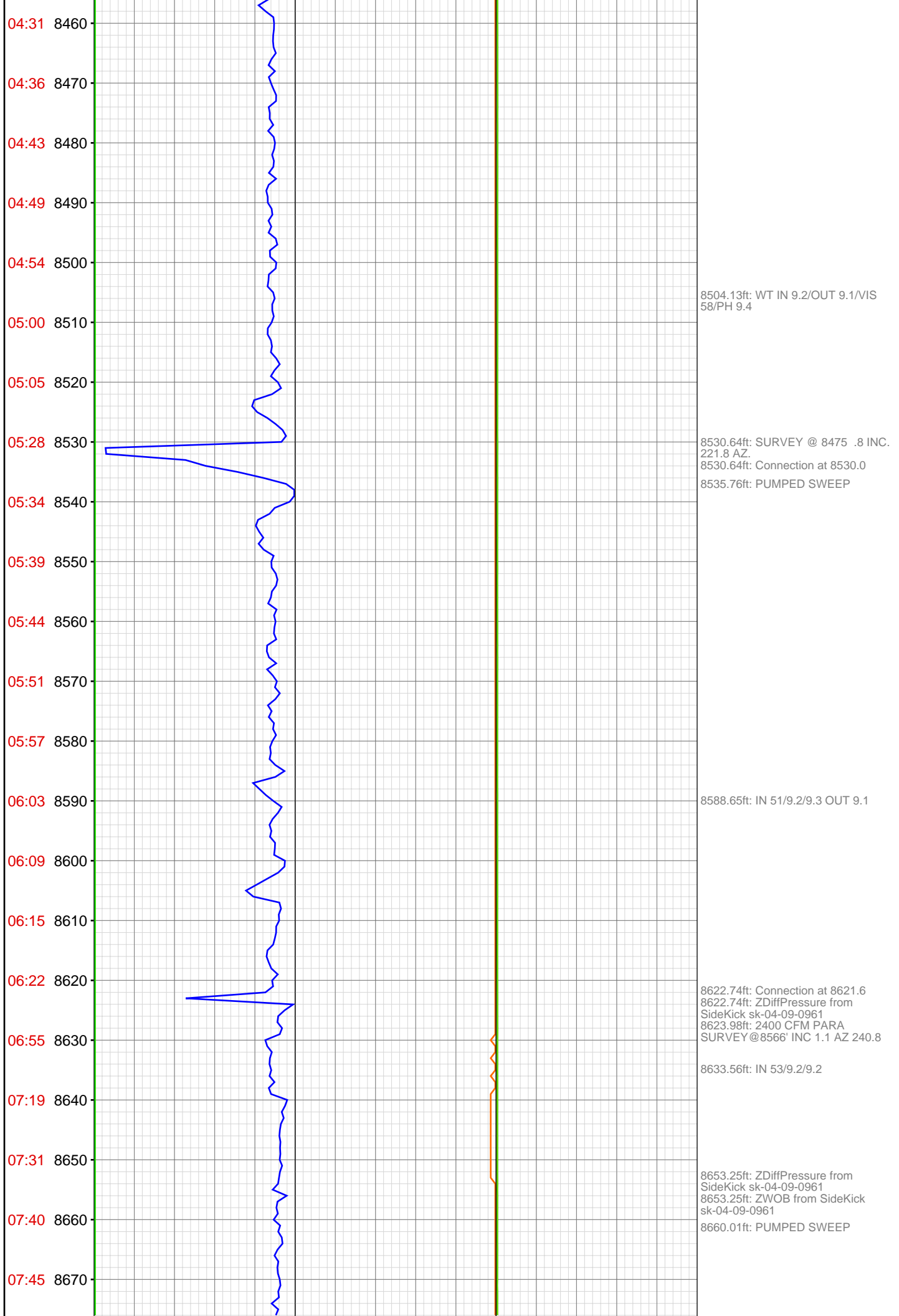












07:50 8680
07:56 8690
08:00 8700
08:05 8710
08:25 8720
08:30 8730
08:35 8740
08:40 8750
08:45 8760
08:50 8770
08:56 8780
09:01 8790
09:05 8800
09:22 8810
09:27 8820
09:32 8830
09:37 8840
09:43 8850
09:48 8860
09:54 8870
10:00 8880
10:04 8890



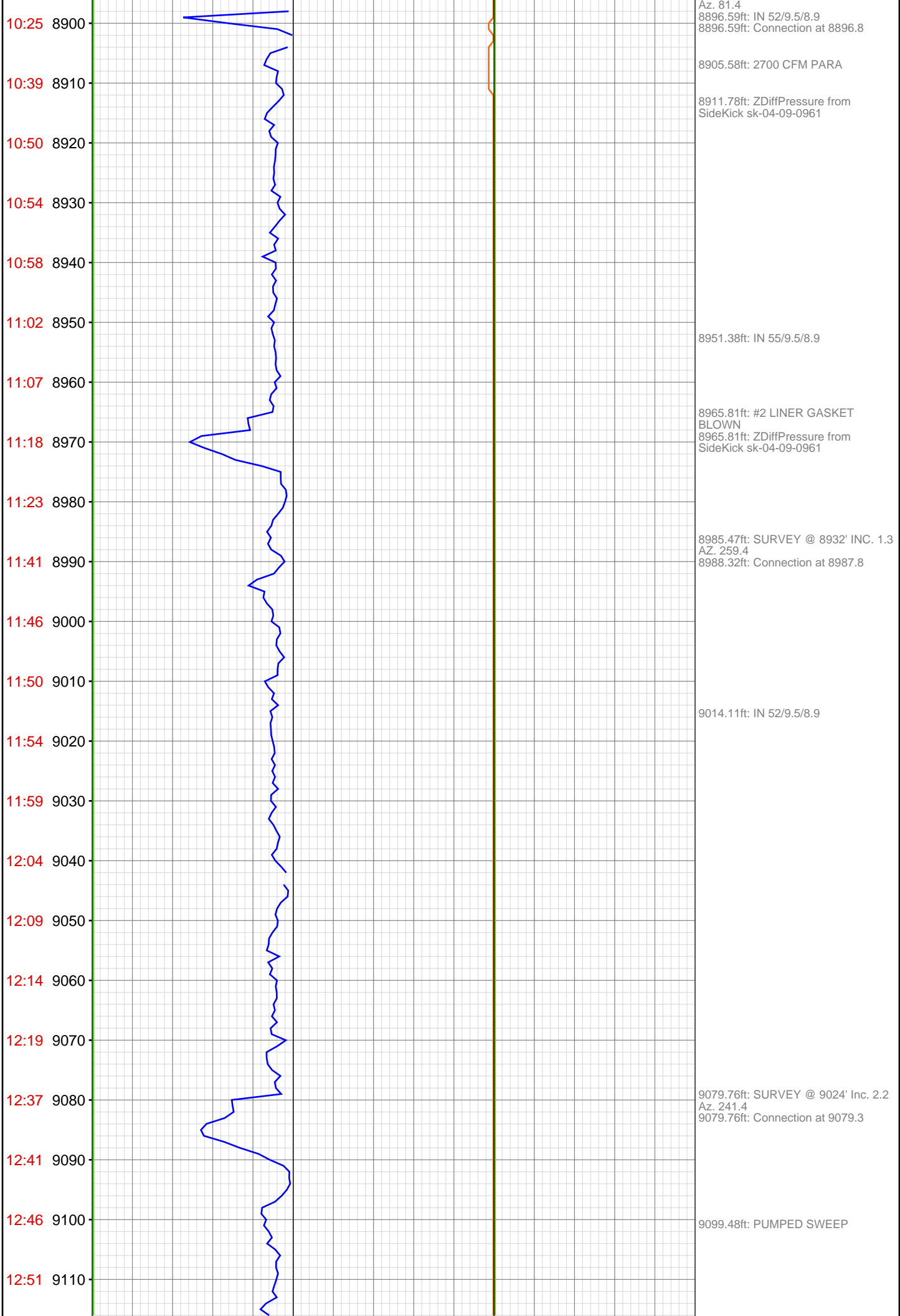
8706.27ft: IN 54/9.3/9.1
8713.32ft: SURVEY @ 8658' INC. 1.6
AZ. 54.3
8713.32ft: Connection at 8713.3
8713.32ft: ZDiffPressure from
SideKick sk-04-09-0961
8713.32ft: ZWOB from SideKick
sk-04-09-0961
8714.47ft: IN TALLY: HOLE DEPTH
SET TO 8713.3

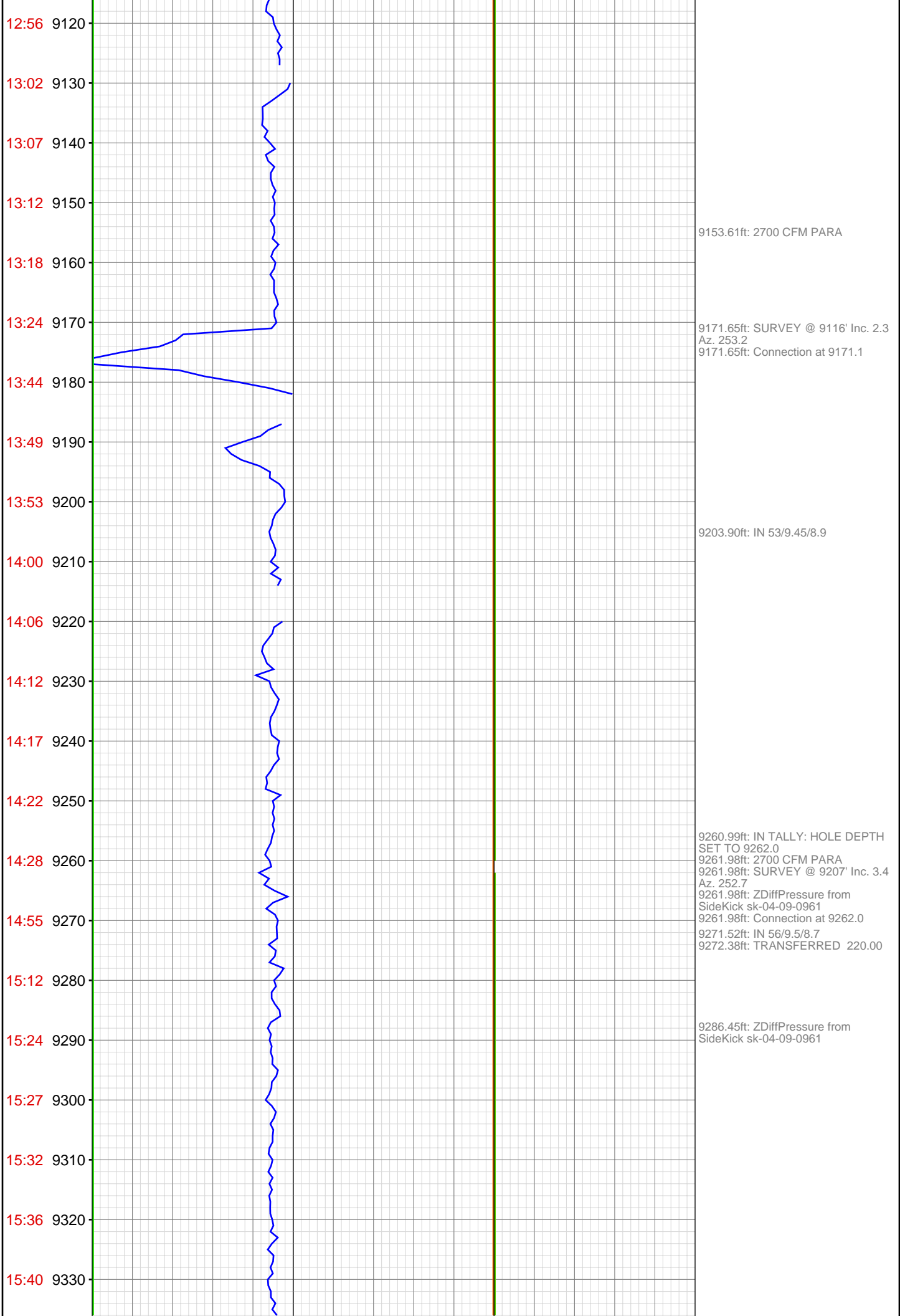
8738.58ft: 2700 CFM PARA

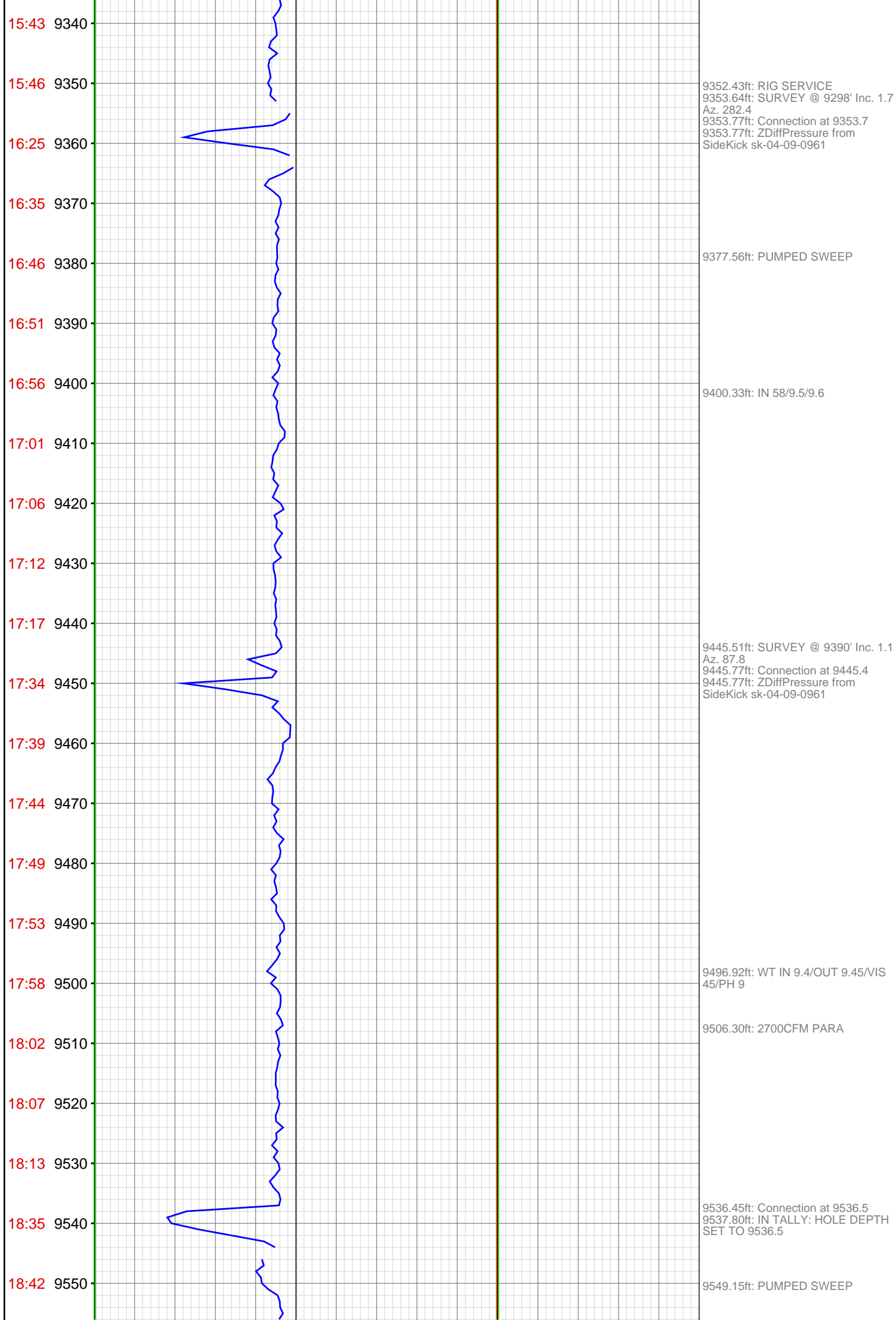
8804.82ft: IN 52/9.35/8.8 OUT 9.3
8804.82ft: Connection at 8805.1
8805.68ft: SURVEY @ 8750' Inc. 2.0
Az. 79.3

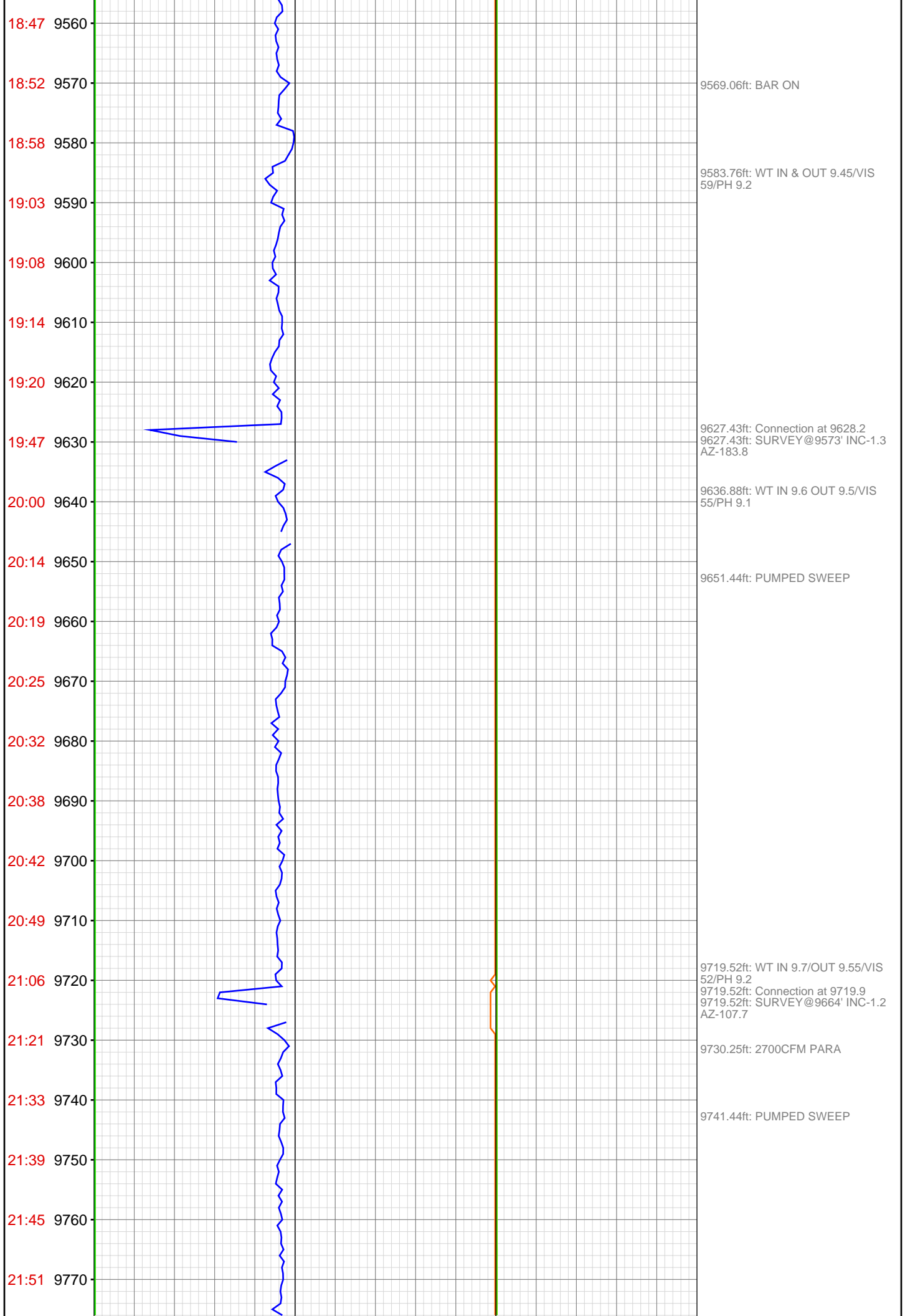
8816.50ft: PUMPED SWEEP

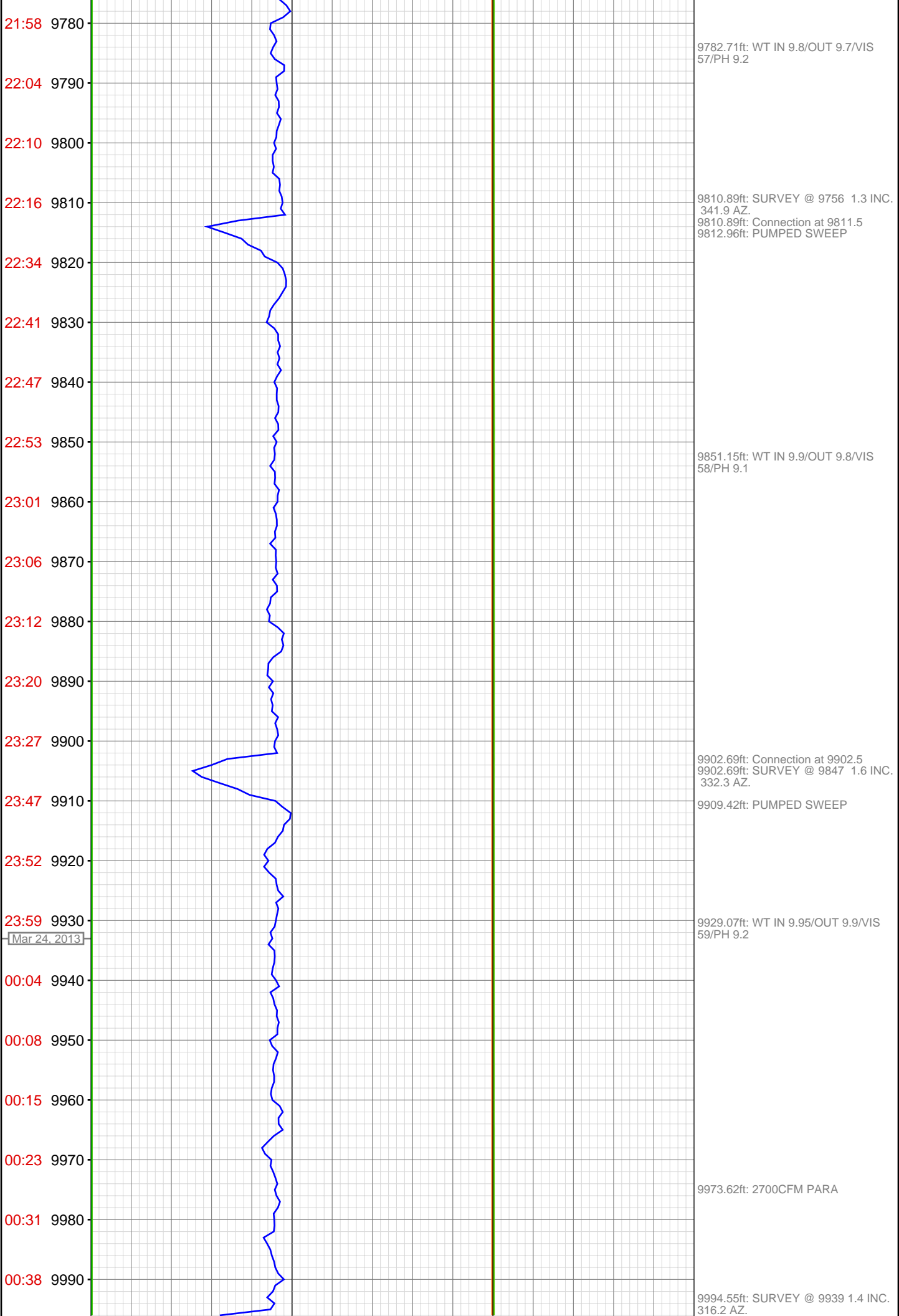
8896.59ft: SURVEY @ 8841' Inc. 1.9

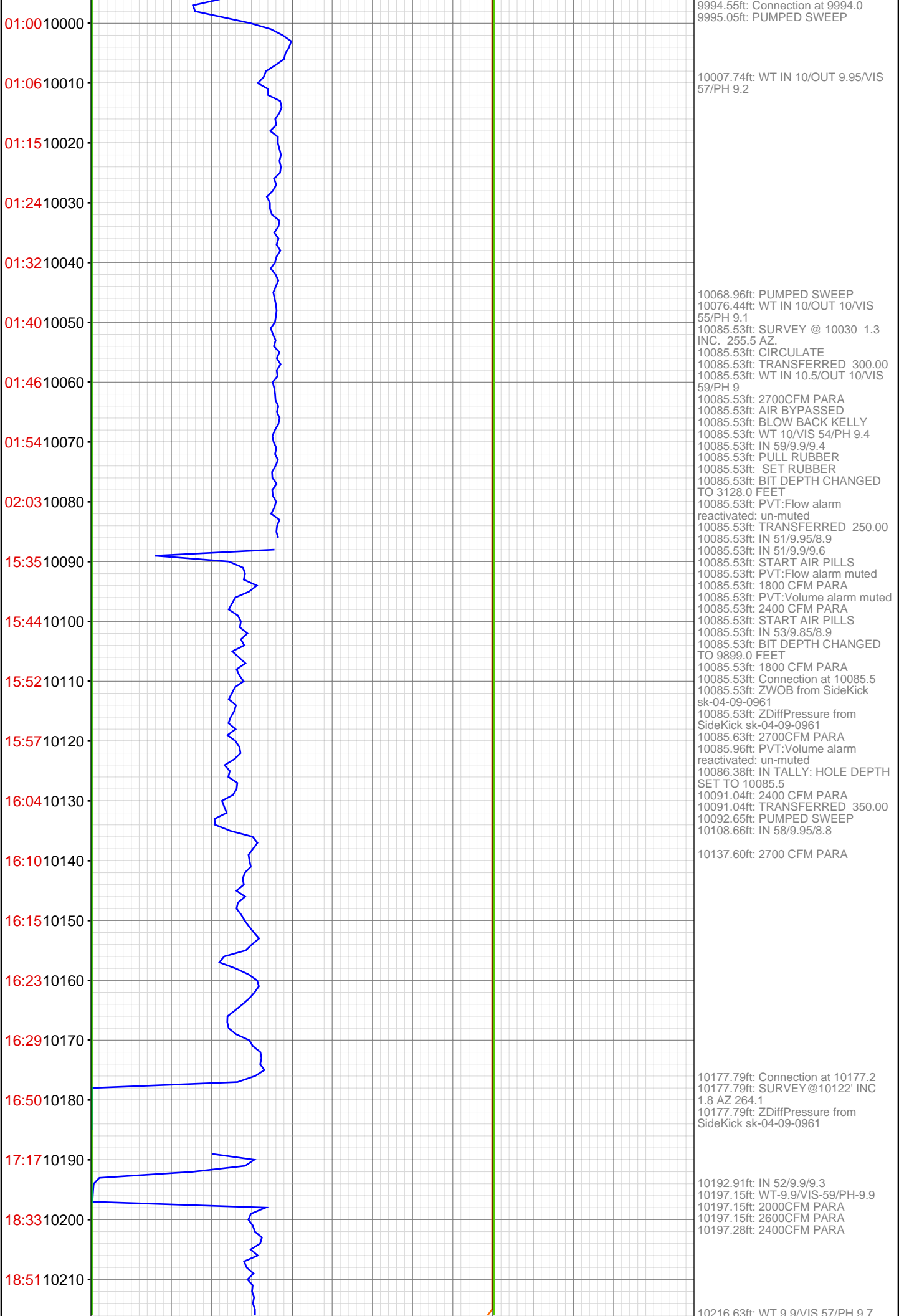


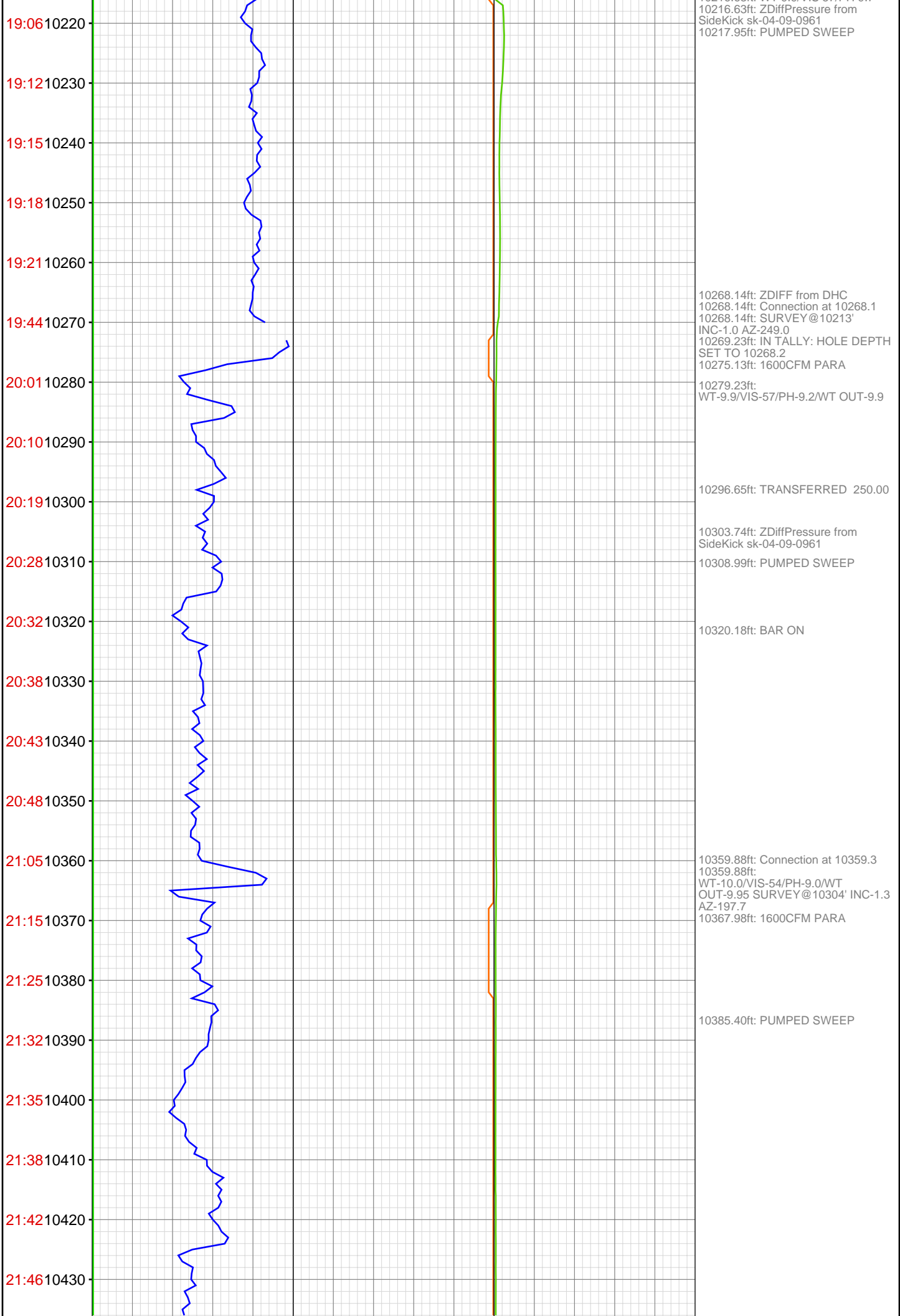


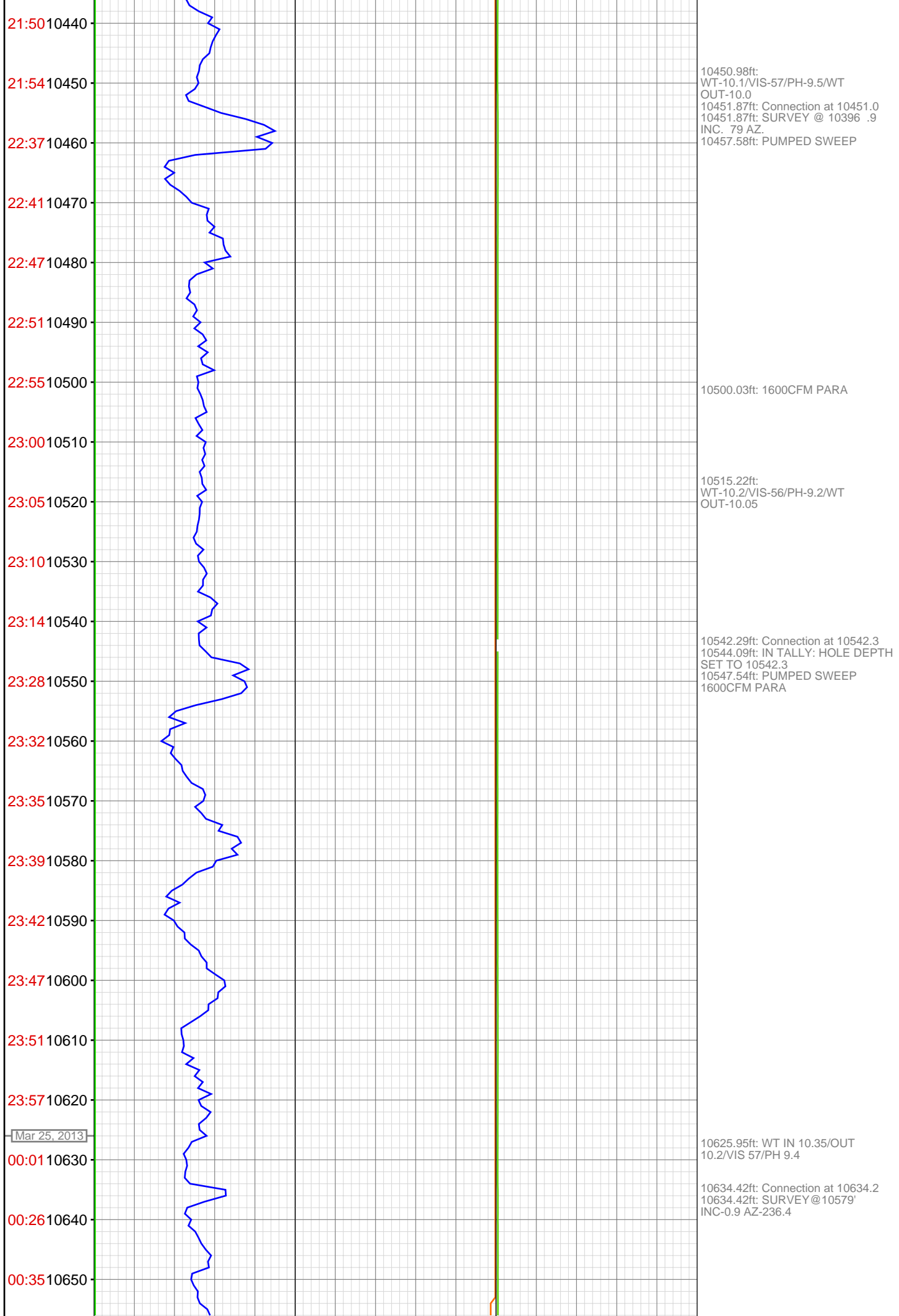


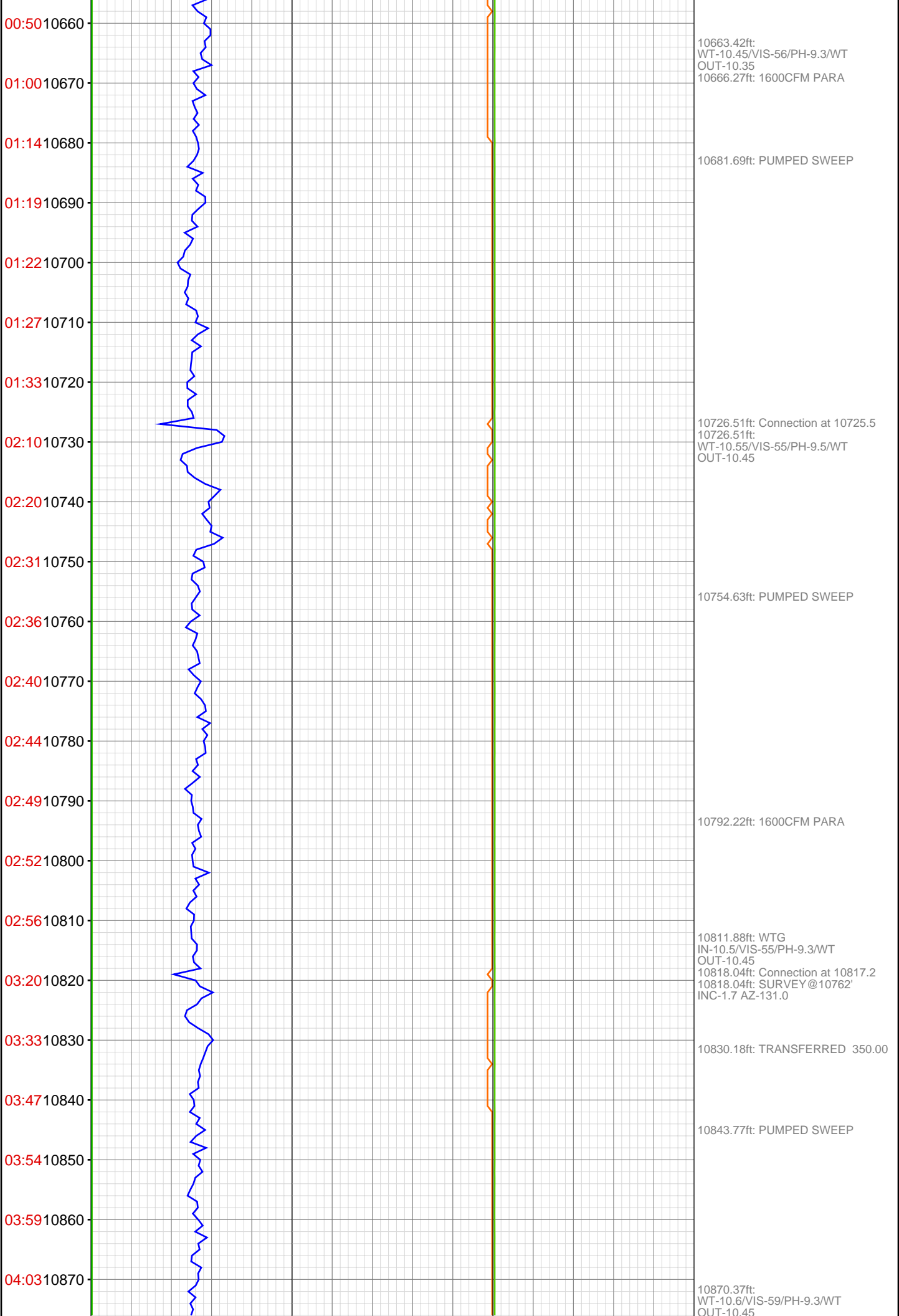




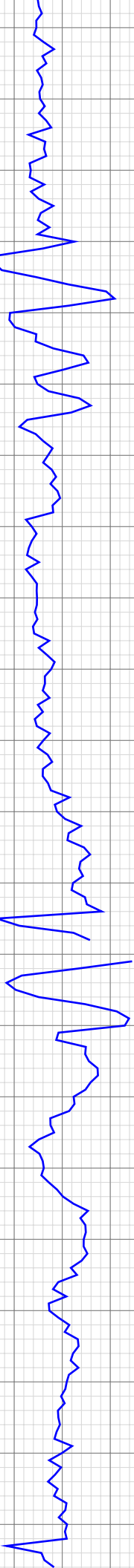








04:07 10880
04:12 10890
04:15 10900
04:46 10910
04:59 10920
05:14 10930
05:27 10940
05:31 10950
05:35 10960
05:38 10970
05:42 10980
05:47 10990
05:50 11000
06:15 11010
06:26 11020
06:35 11030
06:38 11040
06:42 11050
06:47 11060
06:51 11070
06:55 11080
06:59 11090



10908.99ft: Connection at 10909.0
10908.99ft: 1600CFM PARA
10908.99ft: SURVEY @ 10853 1
INC. 180 AZ.
10909.97ft: IN TALLY: HOLE DEPTH
SET TO 10909.0

10918.57ft: WT IN 10.6/OUT 10.5/VIS
60/PH 9.1

10942.29ft: PUMPED SWEEP

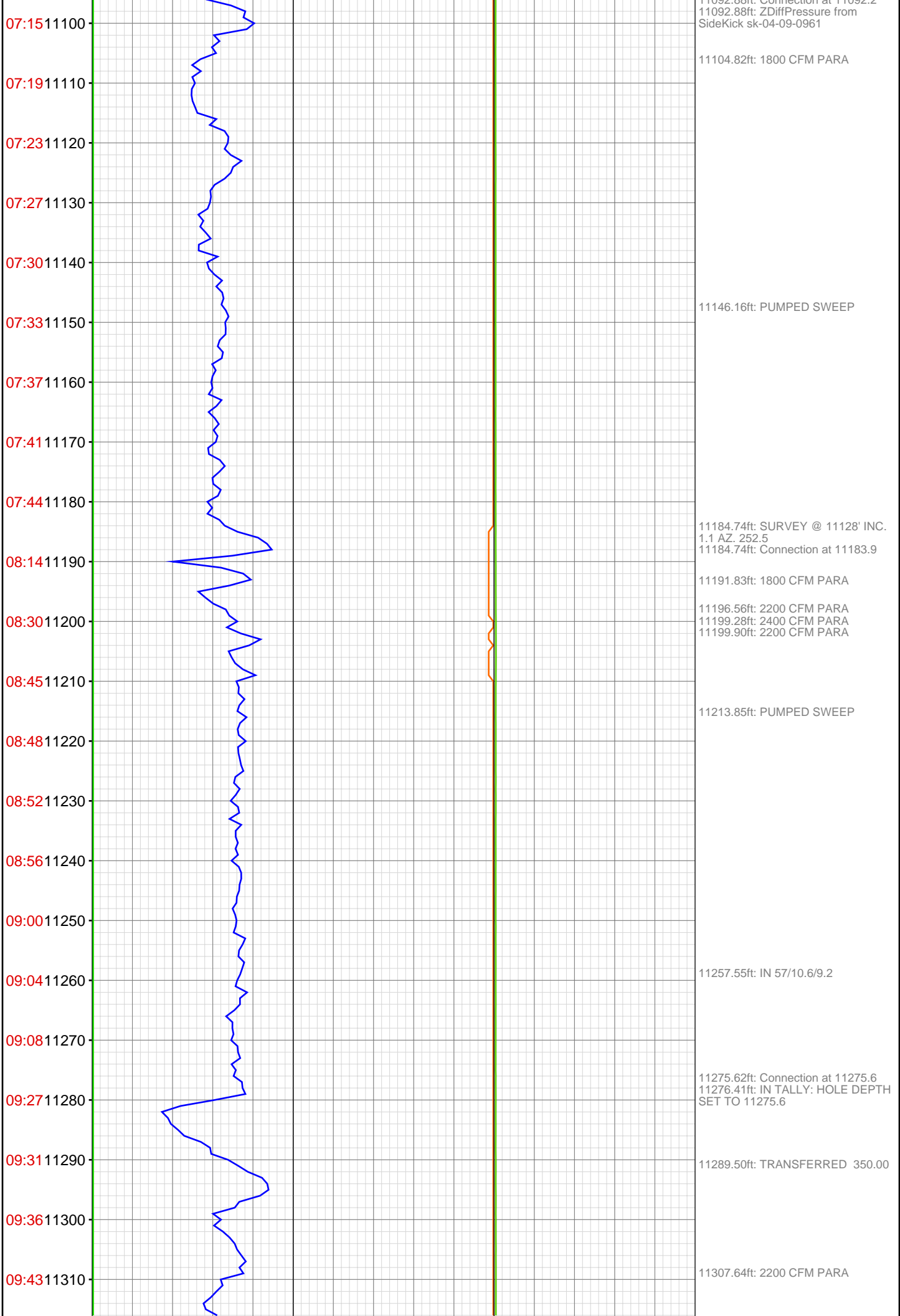
10950.49ft: 1600CFM PARA

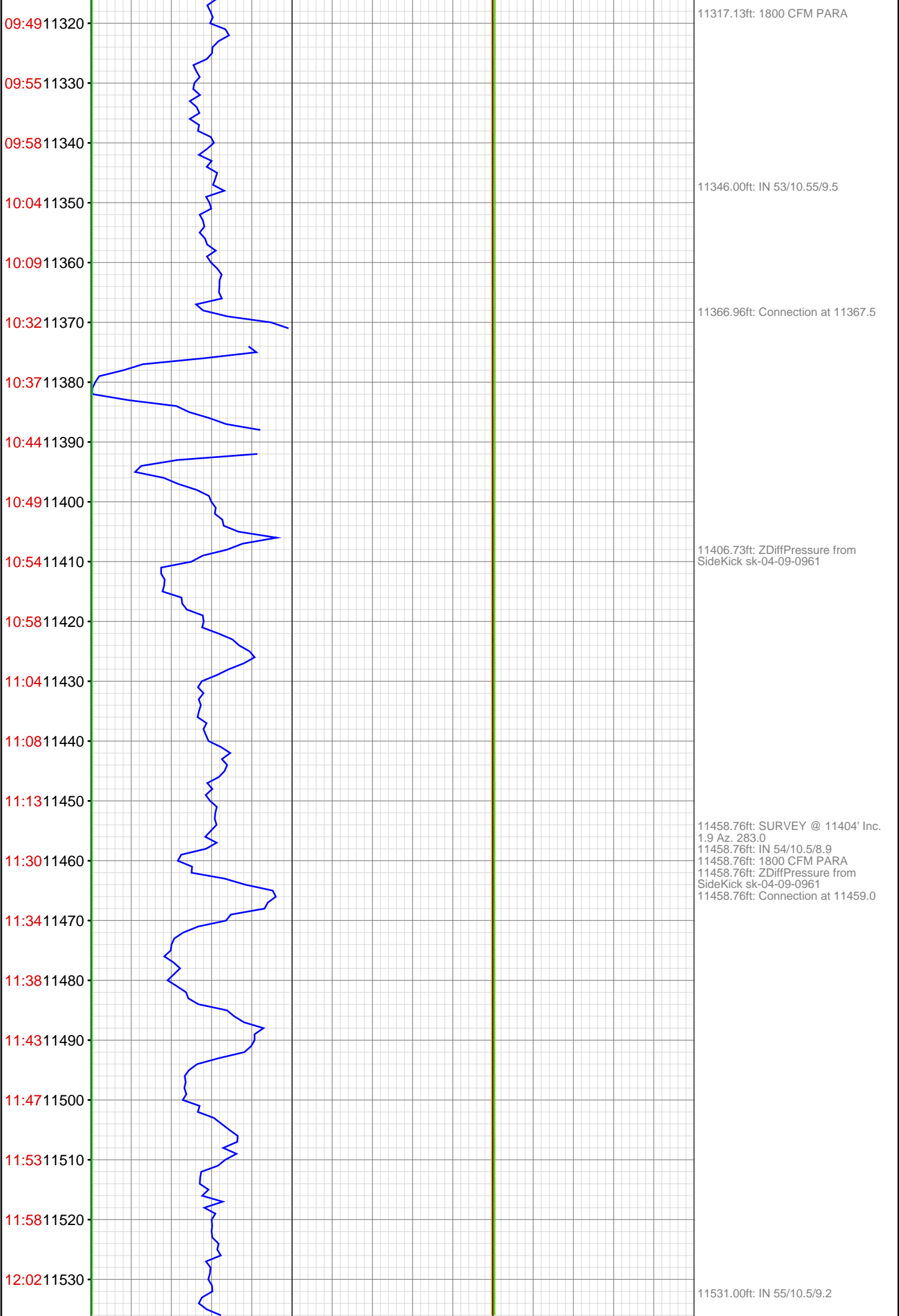
10978.38ft: 1800CFM PARA

11001.02ft: IN 51/10.6/9.5 OUT 10.5
SURVEY @ 10945' Inc. .5 Az. 327.5
11001.02ft: Connection at 11000.7
11001.02ft: ZDiffPressure from
SideKick sk-04-09-0961

11021.19ft: ZDiffPressure from
SideKick sk-04-09-0961
11022.93ft: PUMPED SWEEP

11092.88ft: IN 58/10.6/9.5 OUT 10.6
11092.88ft: SURVEY @ 11037' Inc. .3
Az. 89.8
11092.88ft: Connection at 11092.2





12:06 11540
12:10 11550
12:29 11560
12:33 11570
12:39 11580
12:45 11590
12:49 11600
12:53 11610
12:57 11620
13:02 11630
13:06 11640
13:27 11650
13:31 11660
13:34 11670
13:37 11680
13:40 11690
13:46 11700
13:52 11710
13:58 11720
14:03 11730
14:20 11740
14:27 11750



11550.36ft: SURVEY @ 11495' Inc.
1.8 Az. 274.6
11550.36ft: Connection at 11550.7
11550.36ft: ZDiffPressure from
SideKick sk-04-09-0961

11568.18ft: PUMPED SWEEP

11619.69ft: TRANSFERRED 300.00

11641.83ft: IN 54/10.55/9.0
11642.36ft: SURVEY @ 11587' Inc.
1.7 Az. 271.8
11642.36ft: 1800 CFM PARA
11642.36ft: Connection at 11642.3

11730.35ft: IN 56/10.65/9.1
11733.83ft: SURVEY @ 11678' Inc.
2.2 Az. 264.2
11735.30ft: Connection at 11734.0

14:36 11760
14:45 11770
14:48 11780
14:51 11790
14:56 11800
15:01 11810
15:05 11820
15:22 11830
15:31 11840
15:37 11850
15:42 11860
15:47 11870
15:51 11880
15:55 11890
15:58 11900
16:02 11910
16:15 11920
16:19 11930
16:24 11940
16:27 11950
16:31 11960
16:36 11970



11762.96ft: ZDiffPressure from
SideKick sk-04-09-0961
11762.96ft: 2200 CFM PARA

11825.30ft: SURVEY @ 11770' Inc.
2.7 Az. 253.4
11825.30ft: IN 52/10.55/8.8
11825.30ft: Connection at 11825.6
11825.30ft: ZDiffPressure from
SideKick sk-04-09-0961

11861.84ft: 2400 CFM PARA

11908.89ft: IN 56/10.6/9.5

11917.45ft: Connection at 11917.1
11917.45ft: ZDiffPressure from
SideKick sk-04-09-0961

11943.54ft: PUMPED SWEEP
11971.92ft: PUMPED SWEEP
11992.09ft: RIG SERVICE
11992.09ft: IN 59/10.6/9.6
11992.09ft: PUMPED SWEEP
11992.09ft: SURVEY 11937' Inc. 3.1
az. 248.3
11992.09ft: 2400 CFM PARA
11992.09ft: WT INJ 10.6/OUT
10.6/VIS 54/PH 9.4
11992.09ft: AIR BYPASSED
11992.09ft: PVT:Flow alarm
reactivated: un-muted
11992.09ft: START AIR PILLS
11992.09ft: PVT:Flow alarm muted
11992.09ft: 1800CFM PARA
11992.09ft: PUMPED SWEEP
11992.09ft: TRANSFERRED 350.00
11992.09ft: WT
IN-10.65/VIS-59/PH-93/WT OUT-10.6
11992.09ft: AIR BYPASSED
11992.09ft: BLOW DOWN KELLY
11992.09ft: TRANSFERRED 350.00
11992.09ft: PULL RUBBER
11992.09ft: PULL WEAR BUSHING
11992.09ft: RIG FUEL-6524 GAL. ON
HAND. USED 1713 GAL.

16:42 11980

16:52 11990

12000



11992.09ft: IN 54/10.55/8.6
11992.09ft: PVT:Flow alarm snoozed
1 min
11992.09ft: PVT:Flow alarm
reactivated: snooze expired
11992.09ft: CHECK FLOATS
11992.09ft: BIT DEPTH CHANGED
TO 2023.0 FEET
11992.09ft: FILL PIPE
11992.09ft: BIT DEPTH CHANGED
TO 3122.0 FEET
11992.09ft: PULL CATS ASS OUT
OF DRILLING LINE AND SLIP AND
CUT
11992.09ft: BIT DEPTH CHANGED
TO 6453.0 FEET
11992.09ft: SET STATIC HEAD