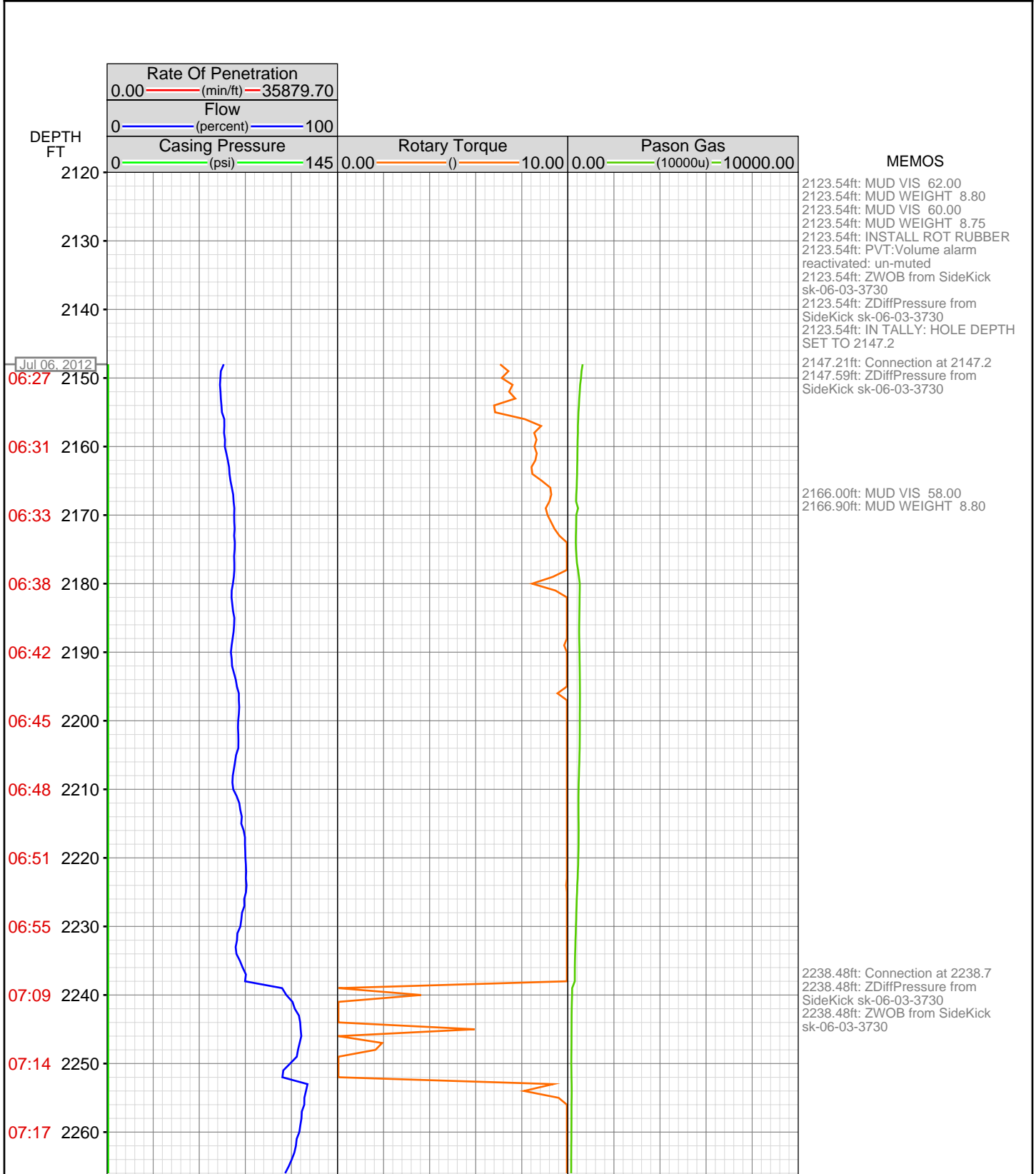


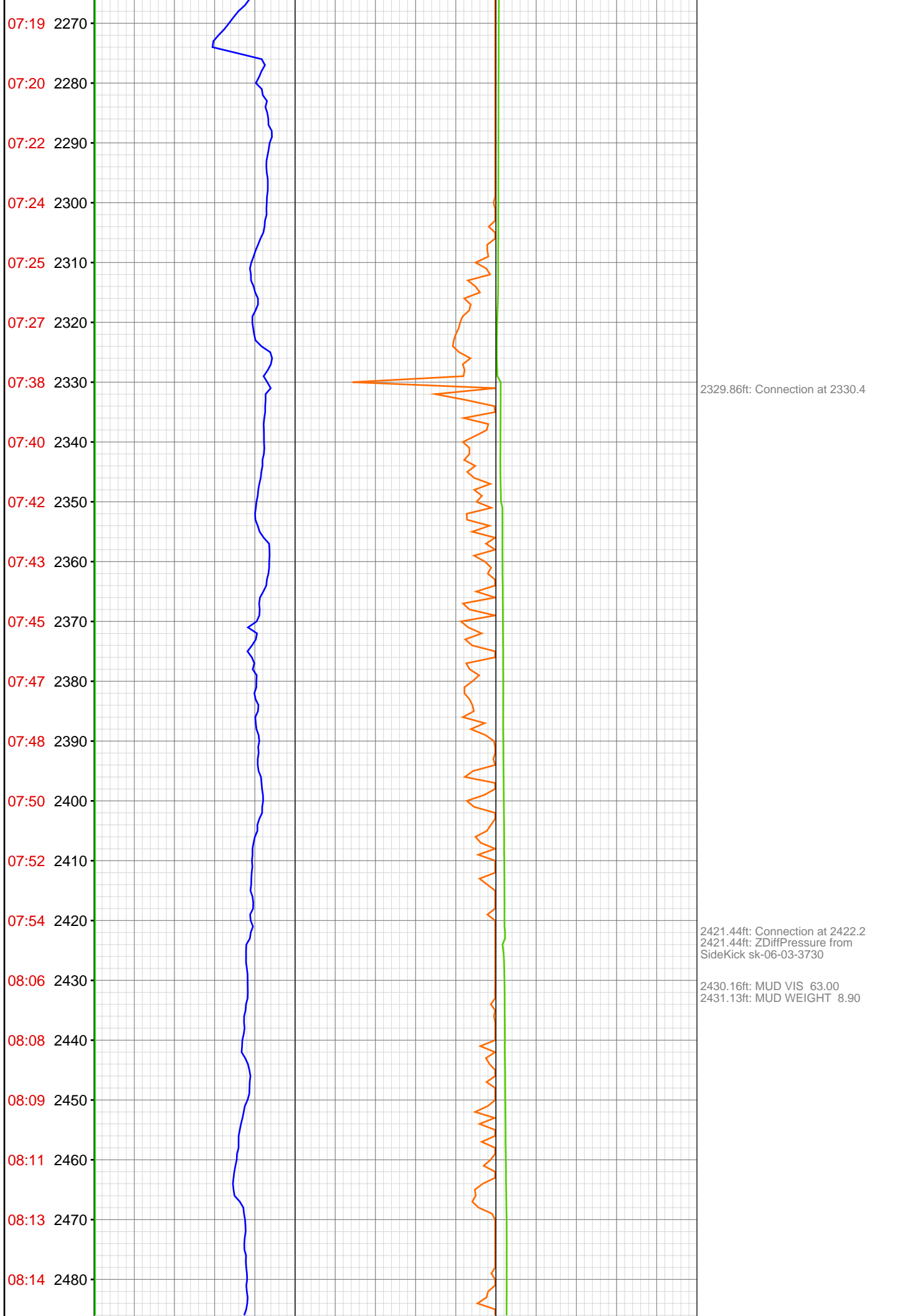
DataHub EDR Log

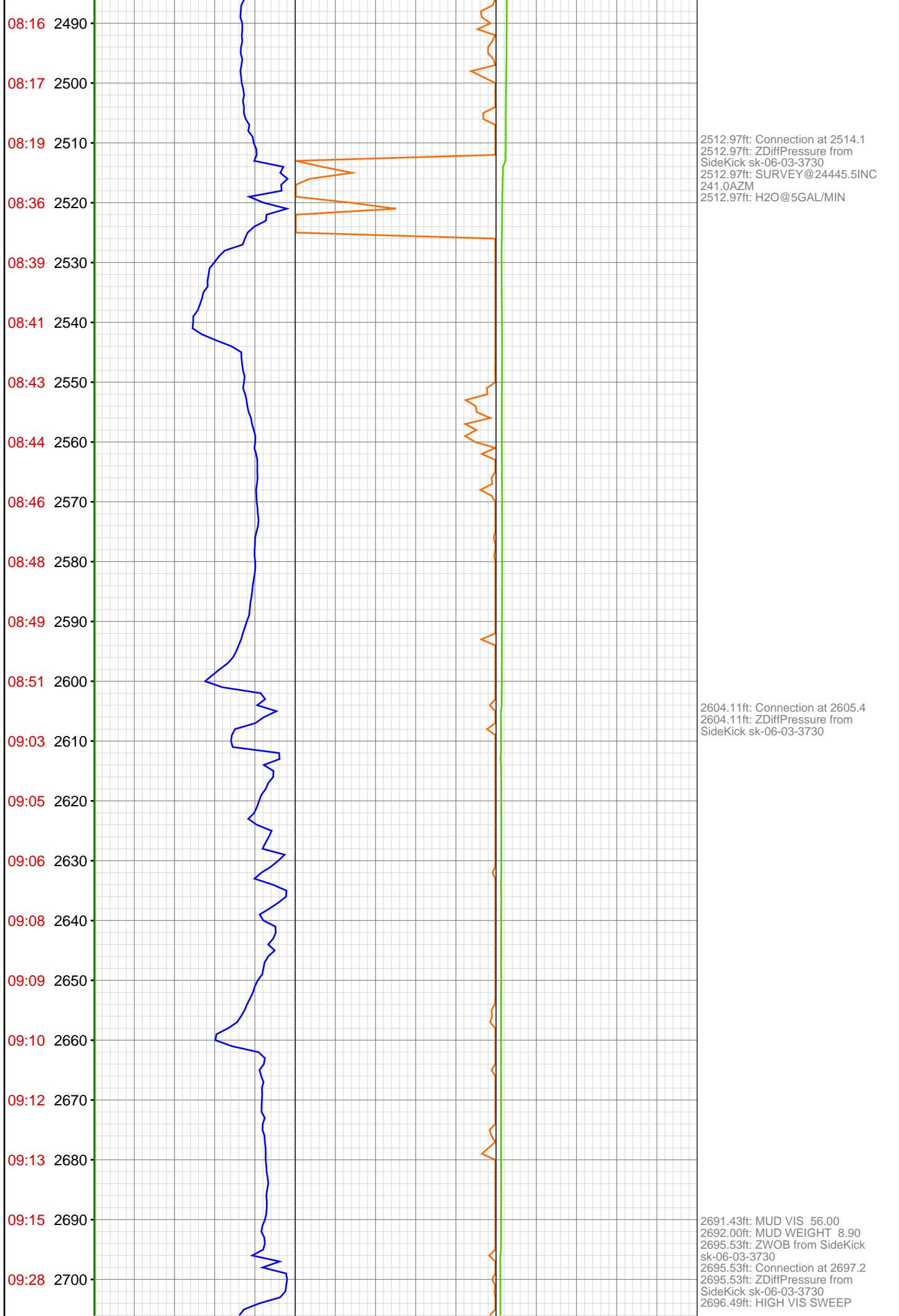
Wed Jan 02, 2013 11:50:06
Well Dossier 1341467161
Marilyn Tucker

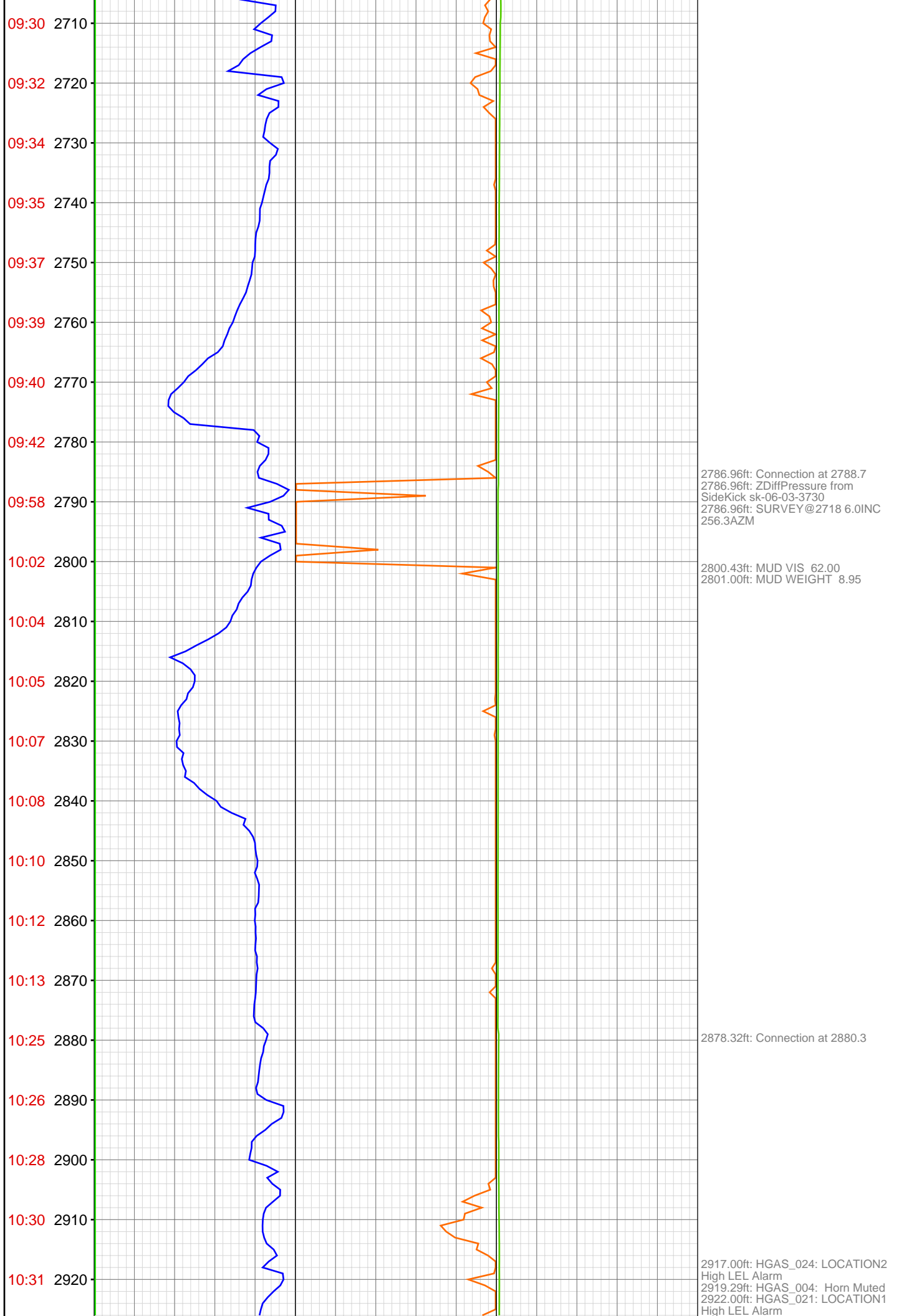
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: SG 8514C-22 N22 496
FIELD:
LOCATION: SEC 25 T4S R96W
COUNTRY: USA
RIG: Pat-UTI 306

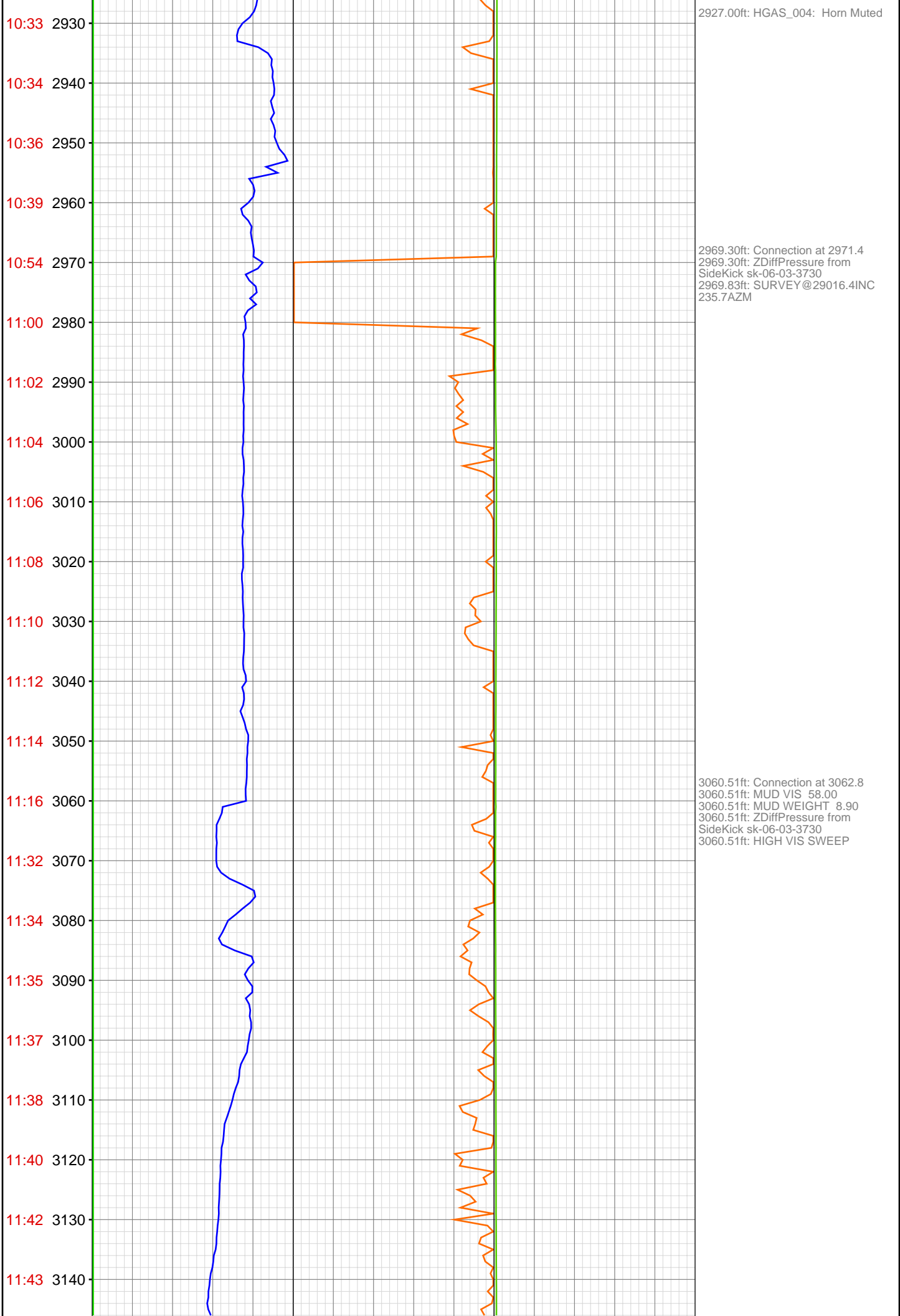
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05-045-21038-00
SPUD DATE: Jul 06, 2012 06:00
RELEASE DATE: Jul 14, 2012 23:30

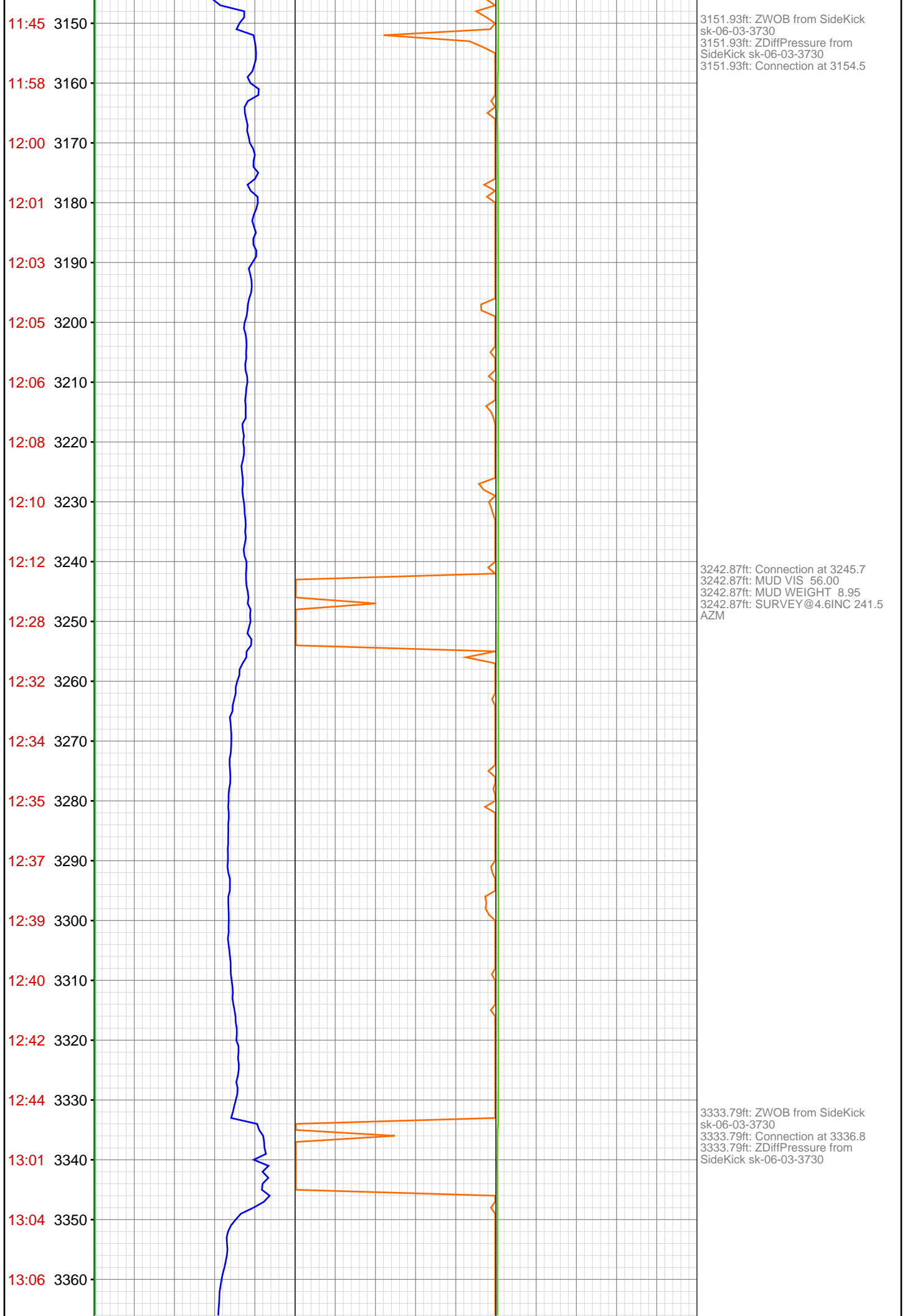


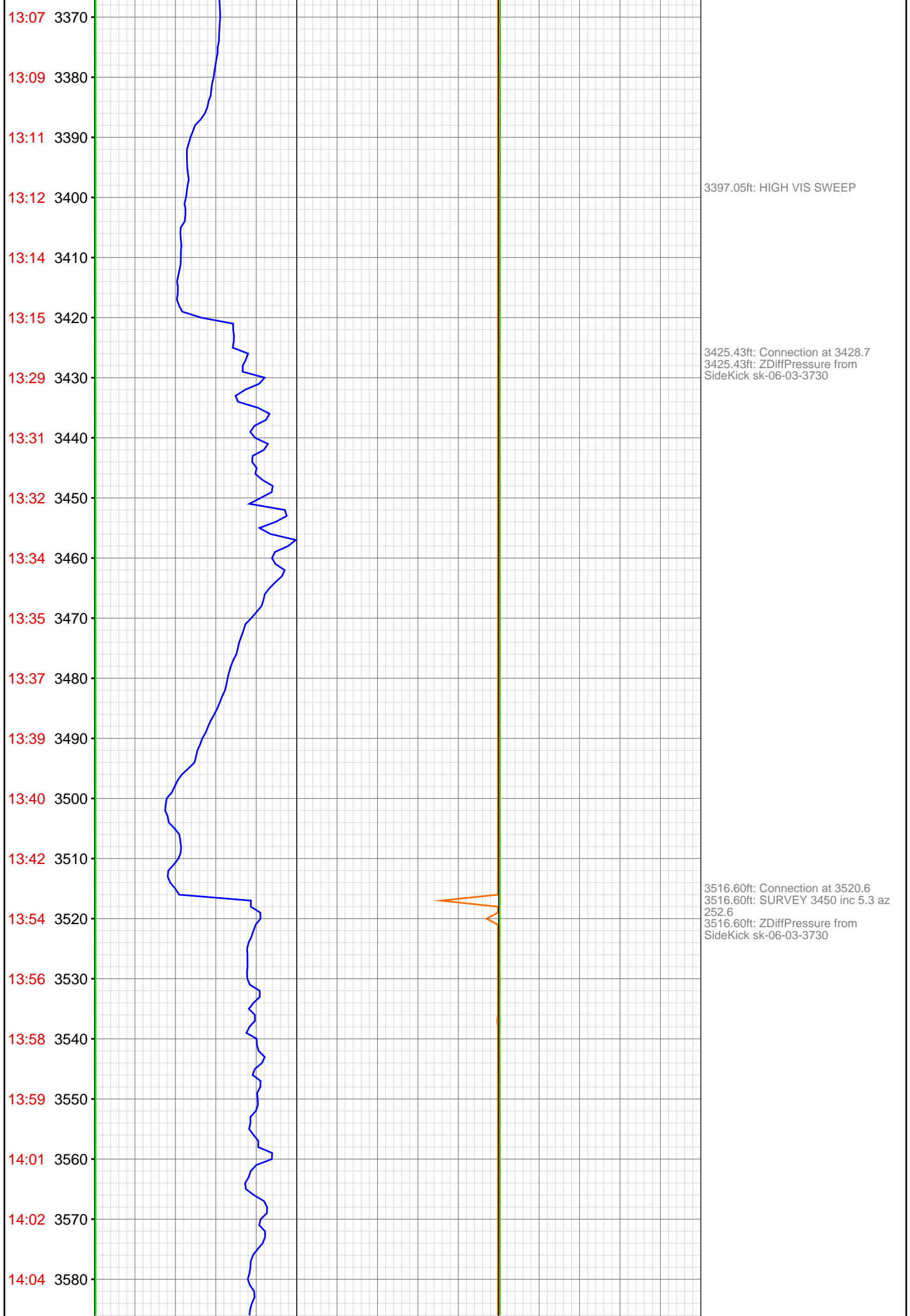


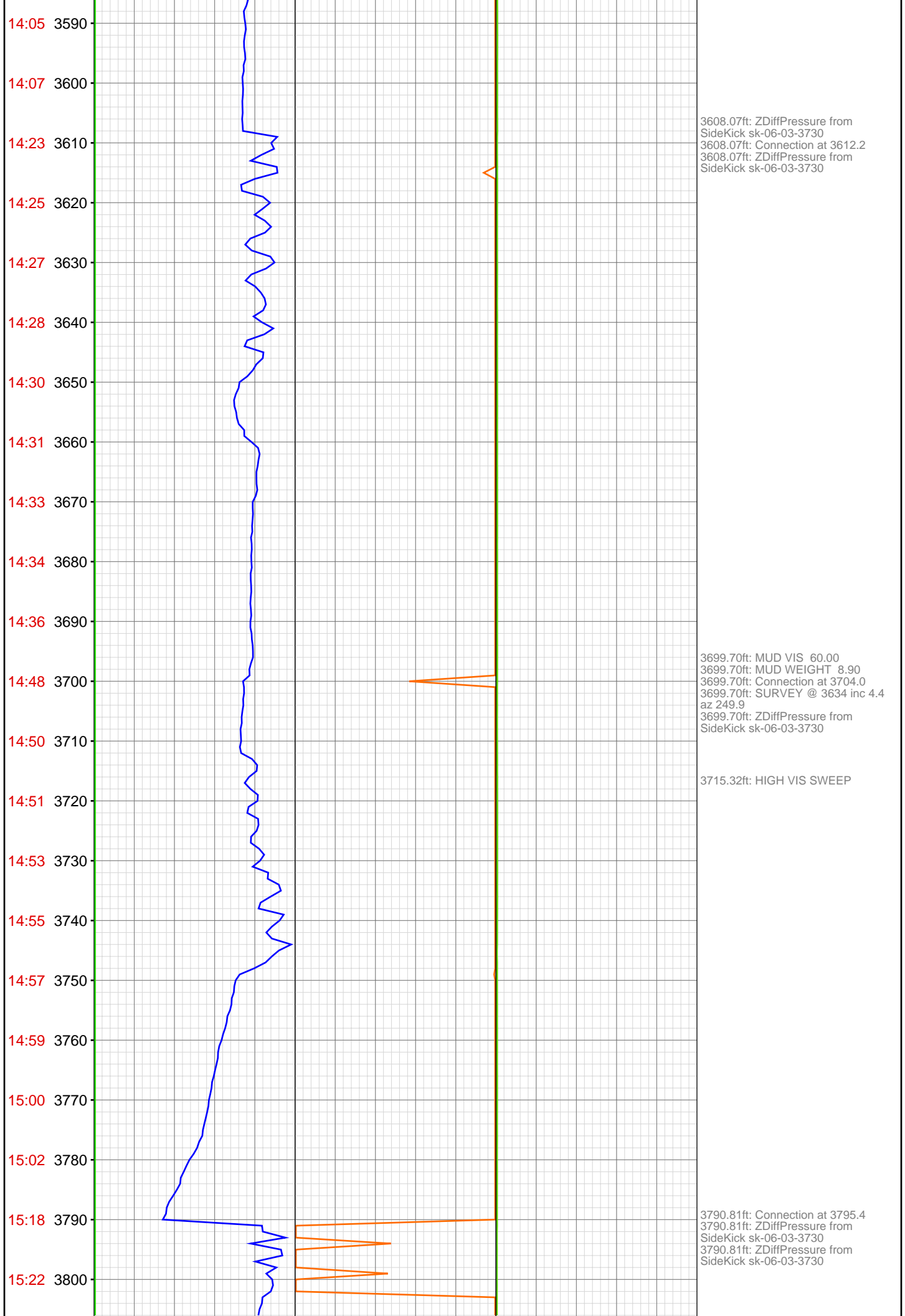


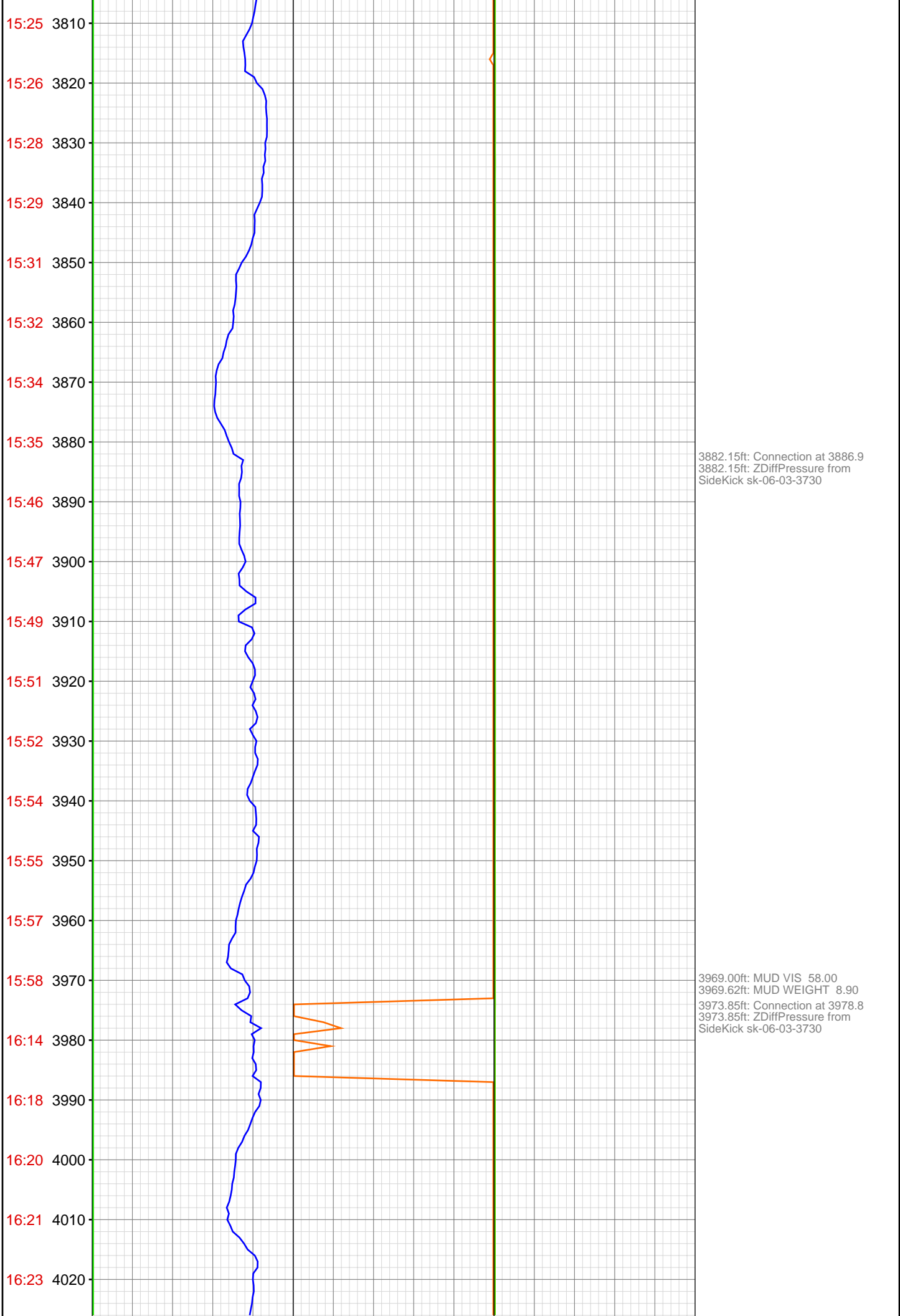


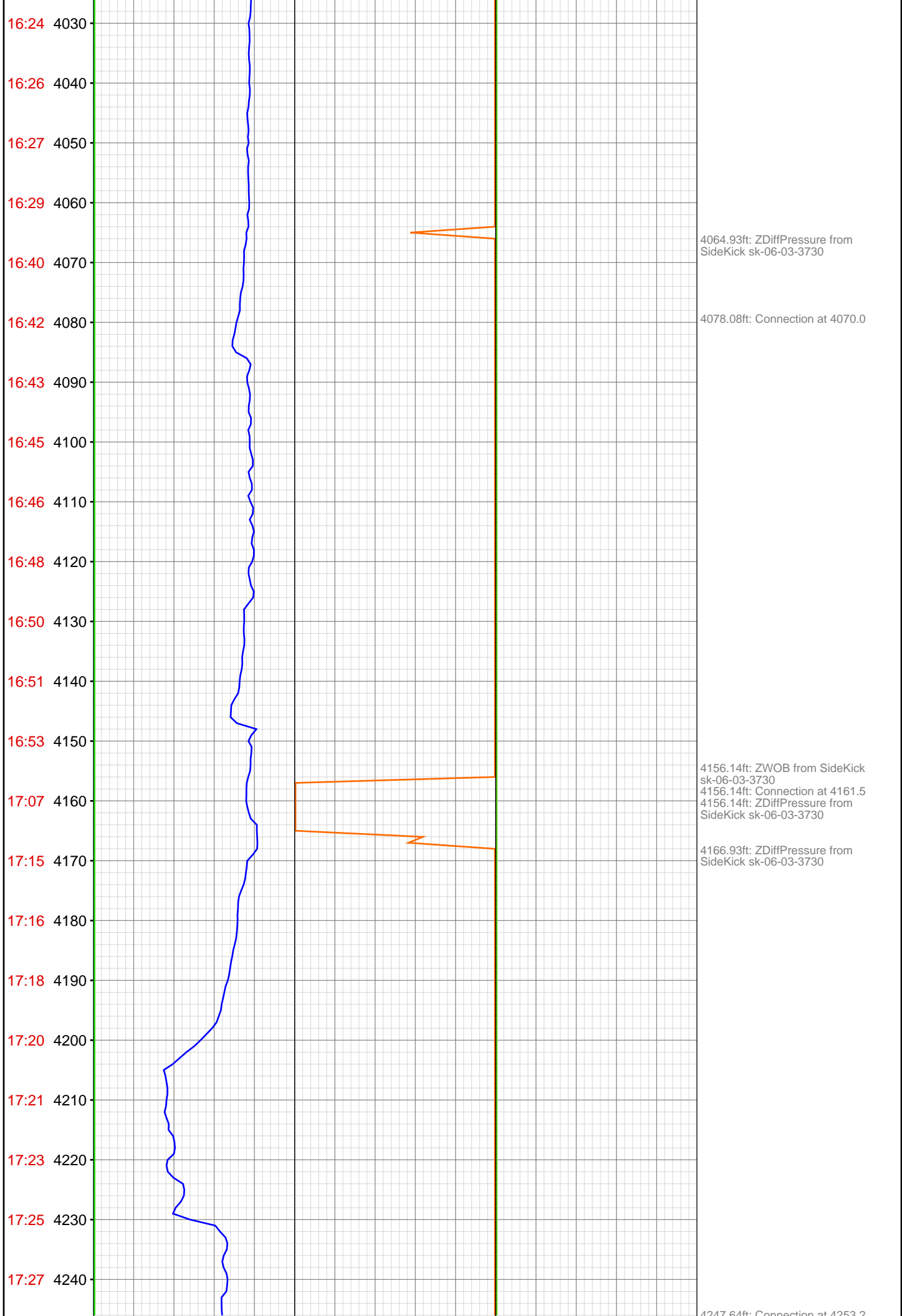


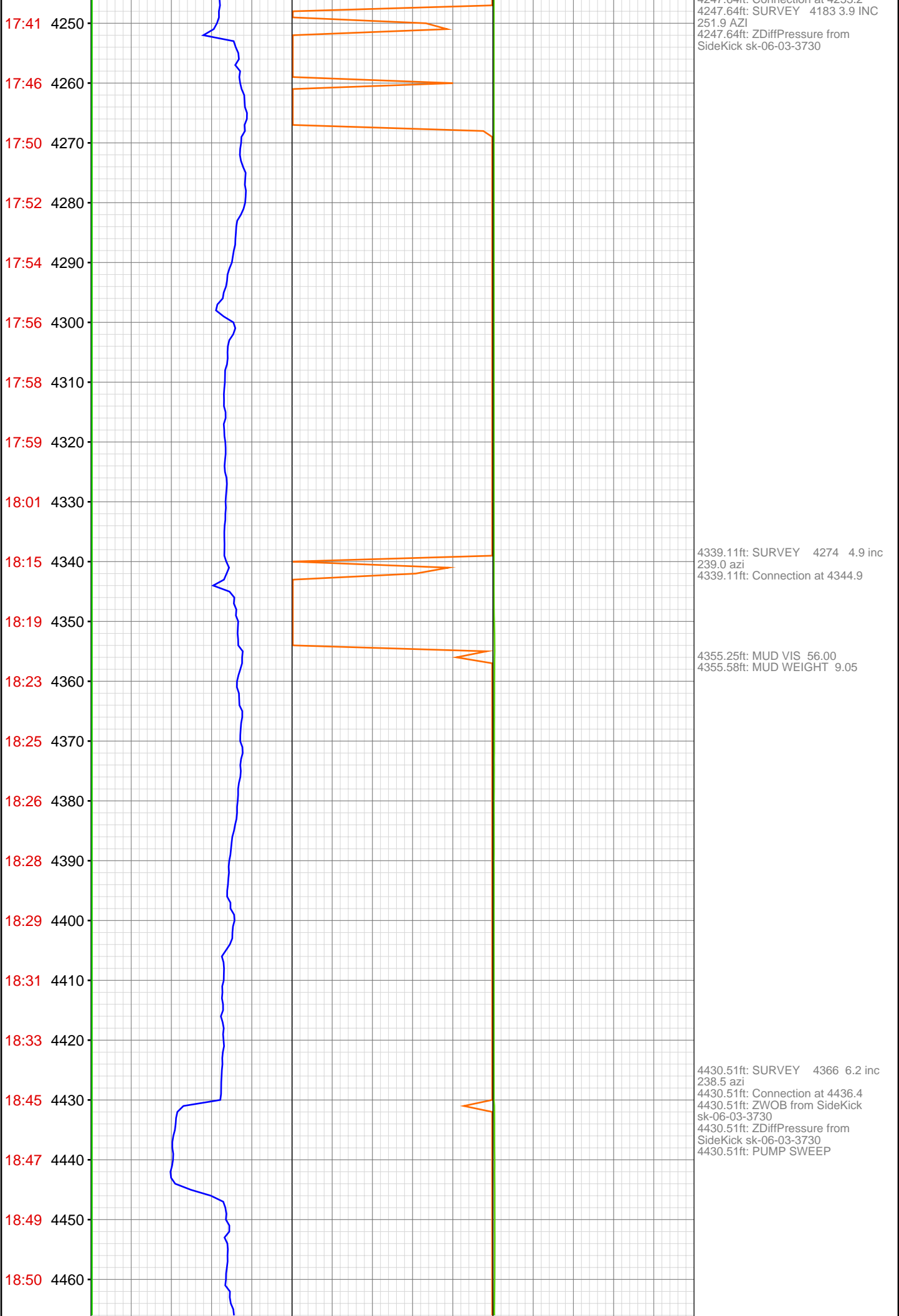


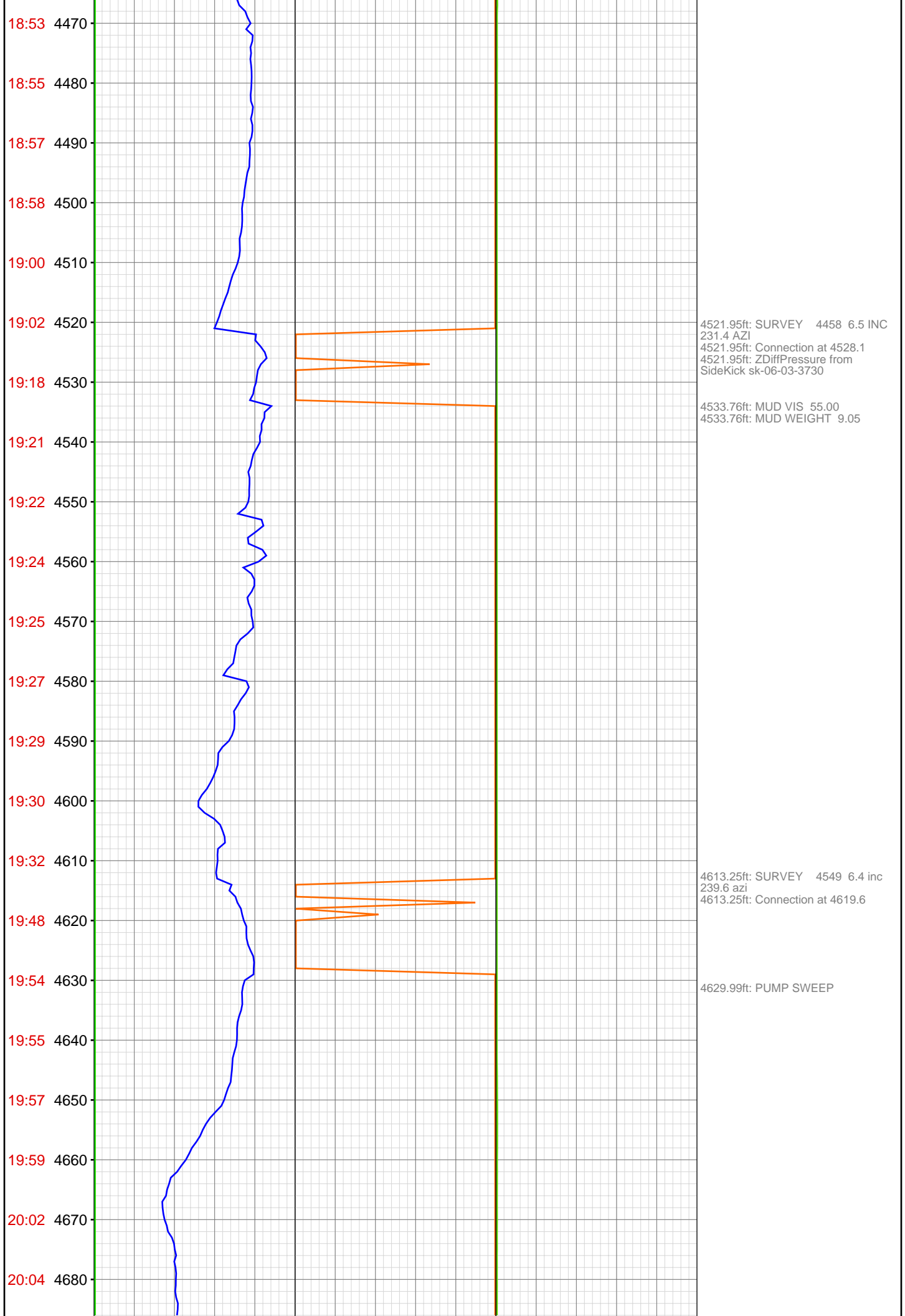












20:06 4690
20:07 4700
20:19 4710
20:20 4720
20:22 4730
20:24 4740
20:25 4750
20:27 4760
20:30 4770
20:33 4780
20:35 4790
20:58 4800
21:00 4810
21:02 4820
21:06 4830
21:08 4840
21:10 4850
21:13 4860
21:17 4870
21:21 4880
21:35 4890
21:37 4900



4704.23ft: SURVEY 4640 6.6 inc
249.5 azi
4704.23ft: Connection at 4710.8
4704.23ft: ZDiffPressure from
SideKick sk-06-03-3730

4794.88ft: SURVEY 4732 6.2 inc
247.5 azi
4794.88ft: ZDiffPressure from
SideKick sk-06-03-3730
4794.88ft: ZWOB from SideKick
sk-06-03-3730
4794.88ft: PUMP SWEEP Connection
at 4802.6

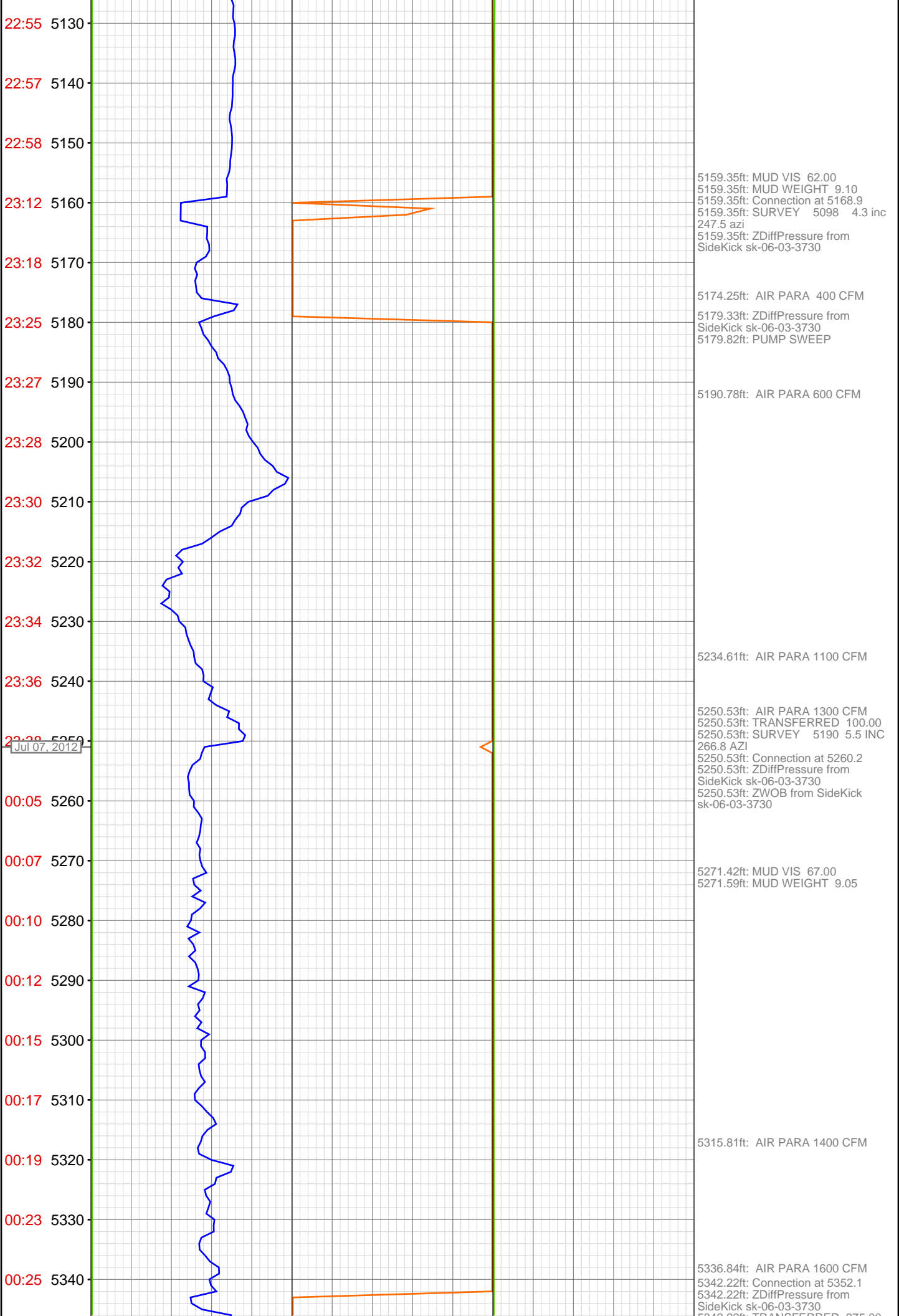
4830.48ft: TRANSFERRED 100.00

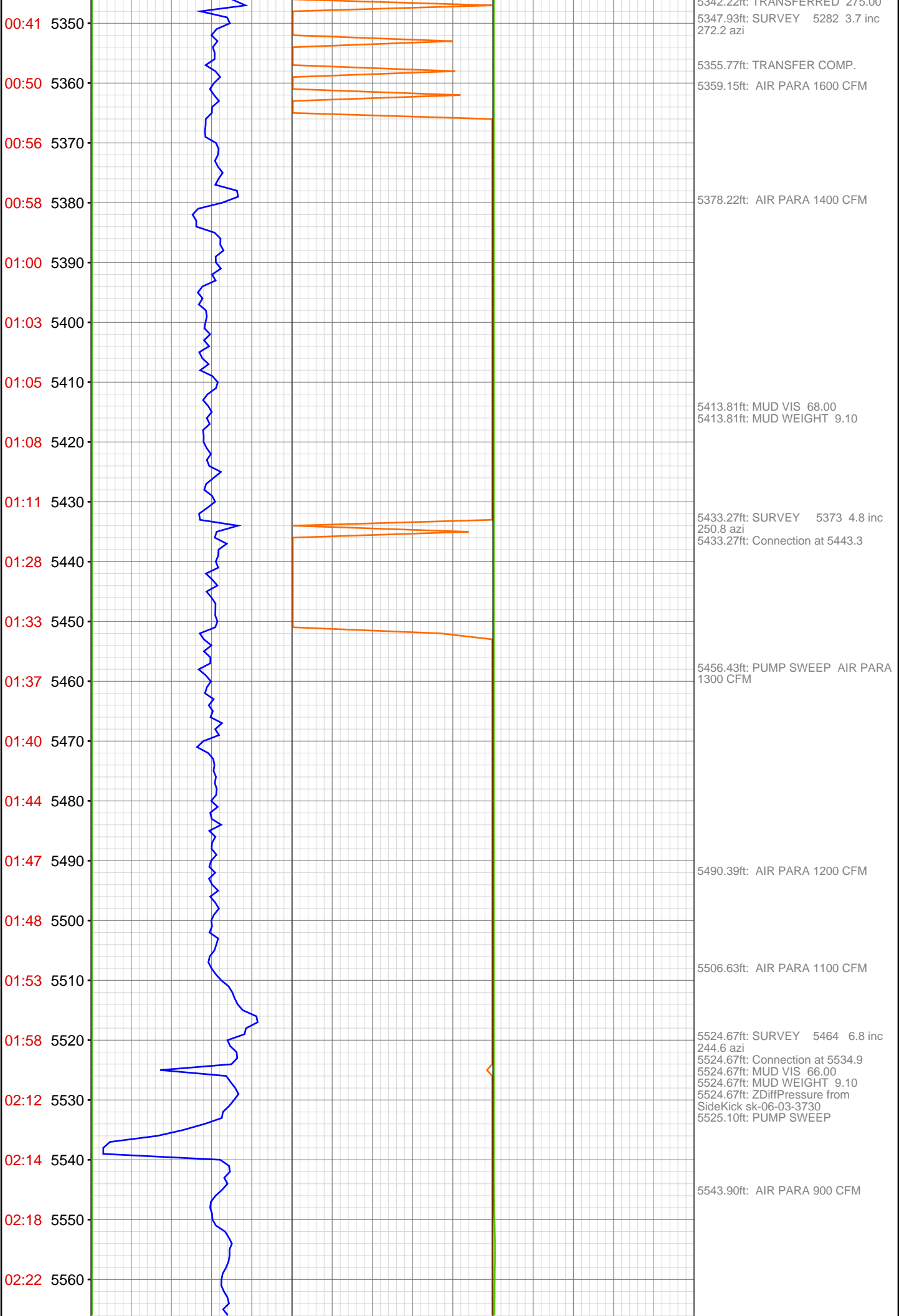
4843.01ft: MUD VIS 65.00
4843.01ft: MUD WEIGHT 9.10

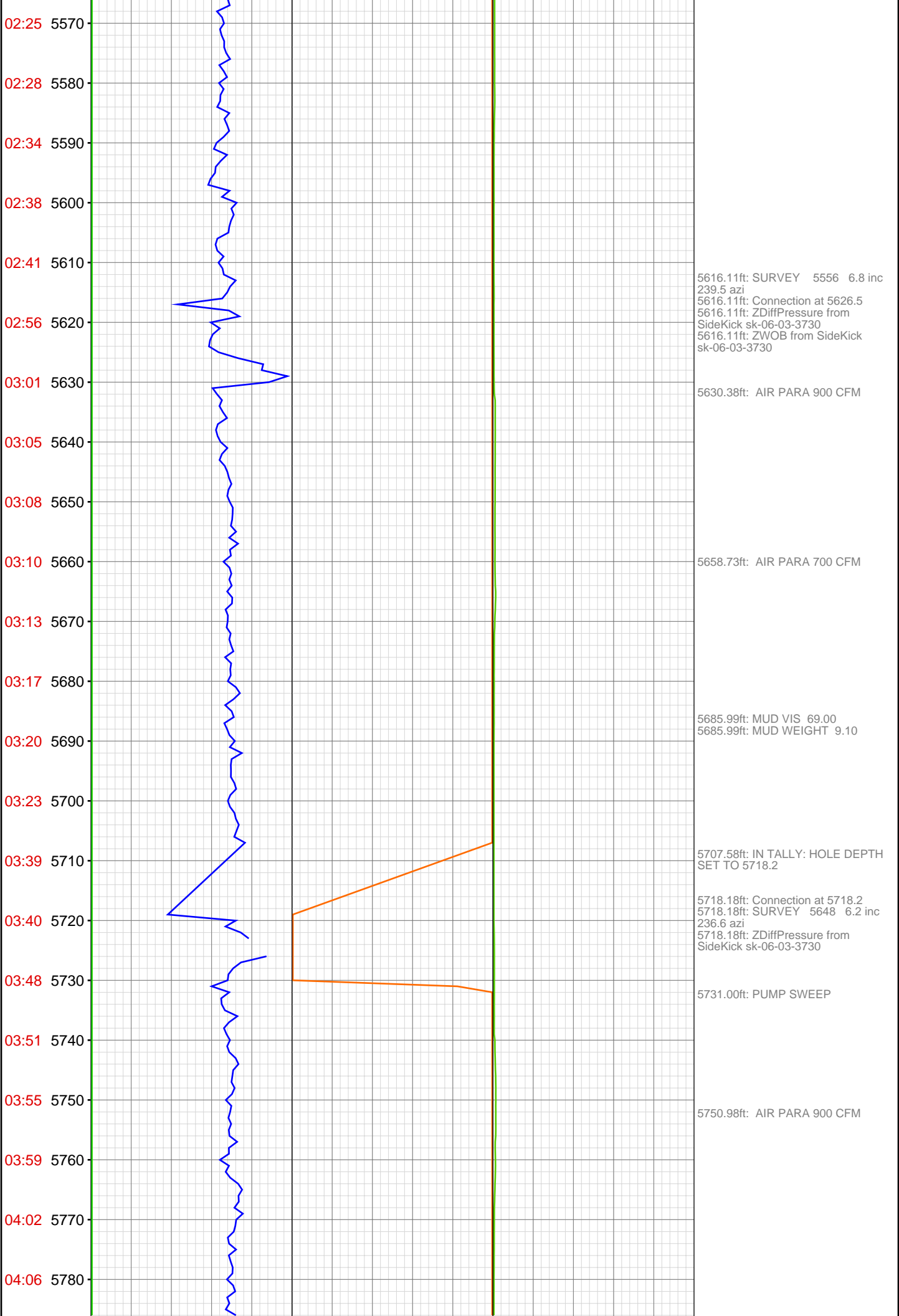
4850.89ft: TRANSFER COMP.

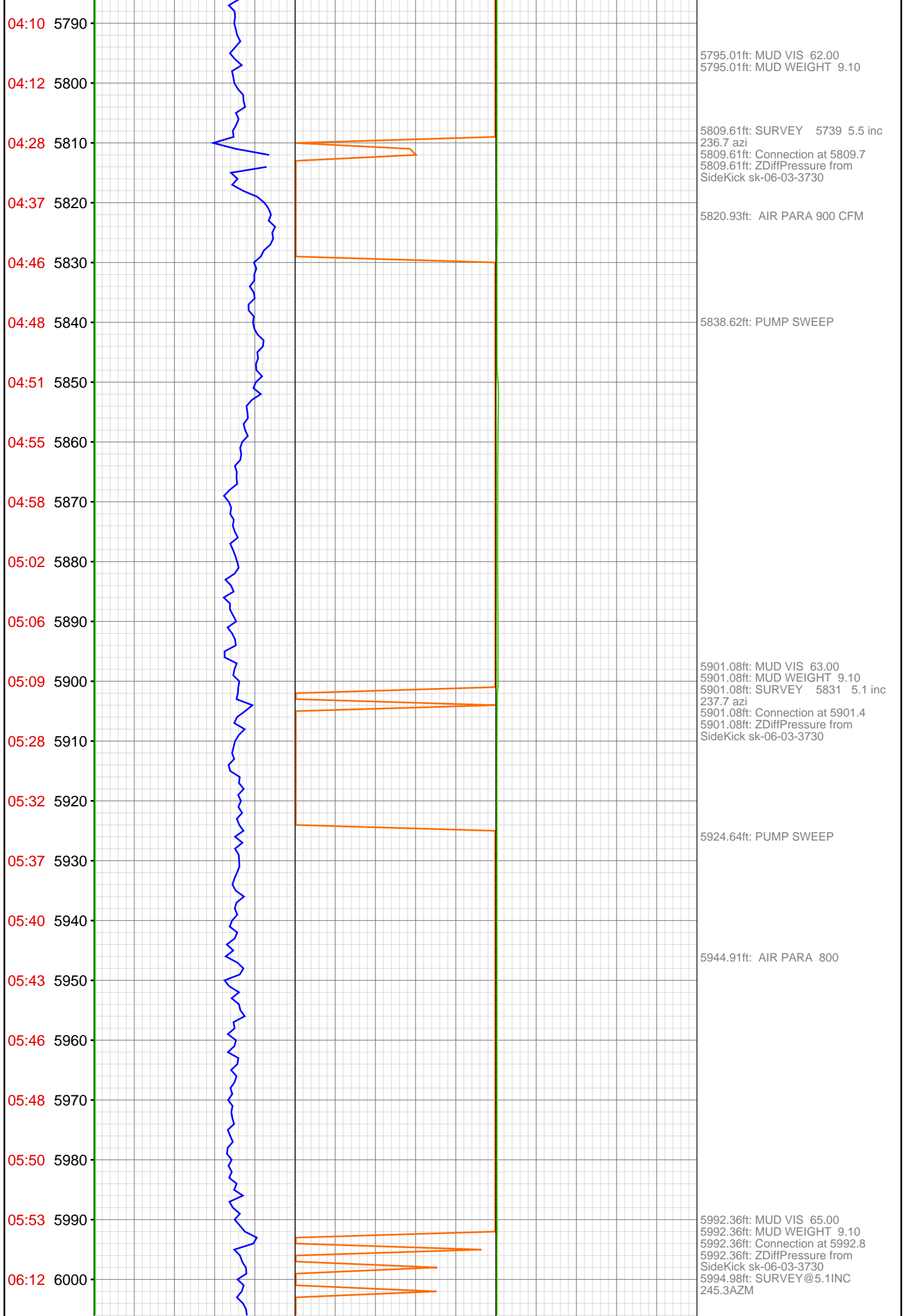
4886.06ft: SURVEY 4823 5.1 inc
246.5 azi
4886.06ft: Connection at 4893.9
4886.06ft: GA - Zeroed

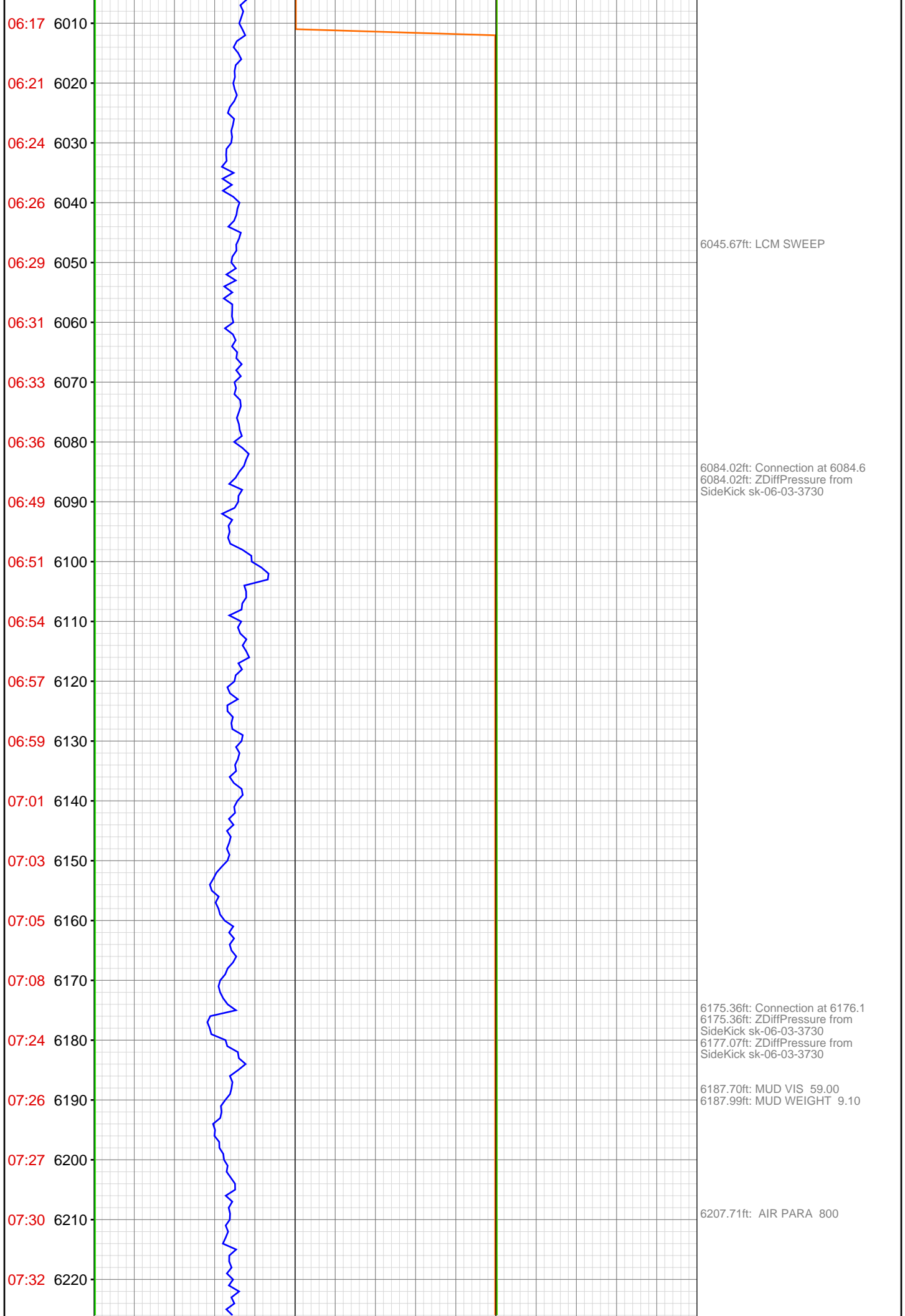


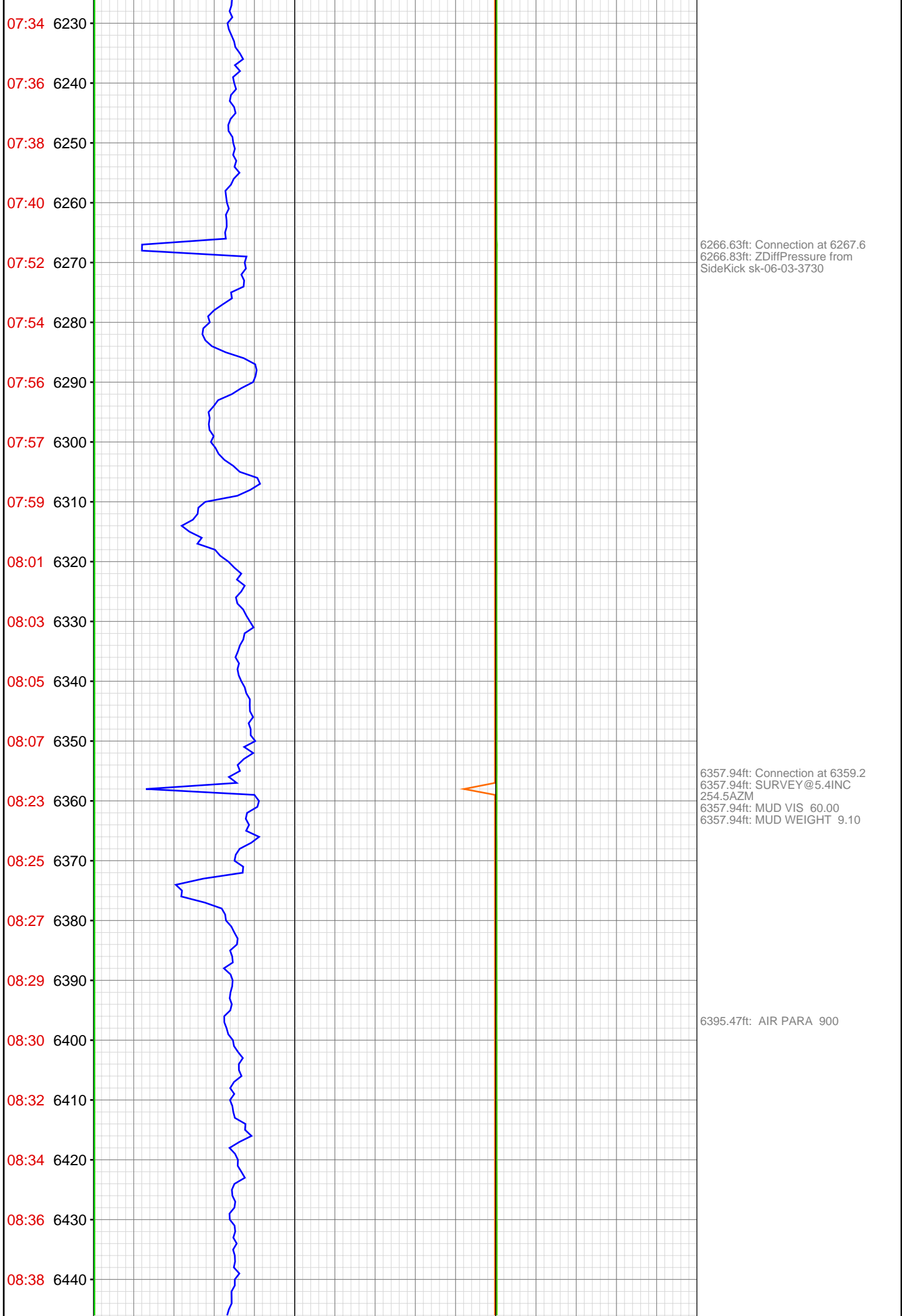


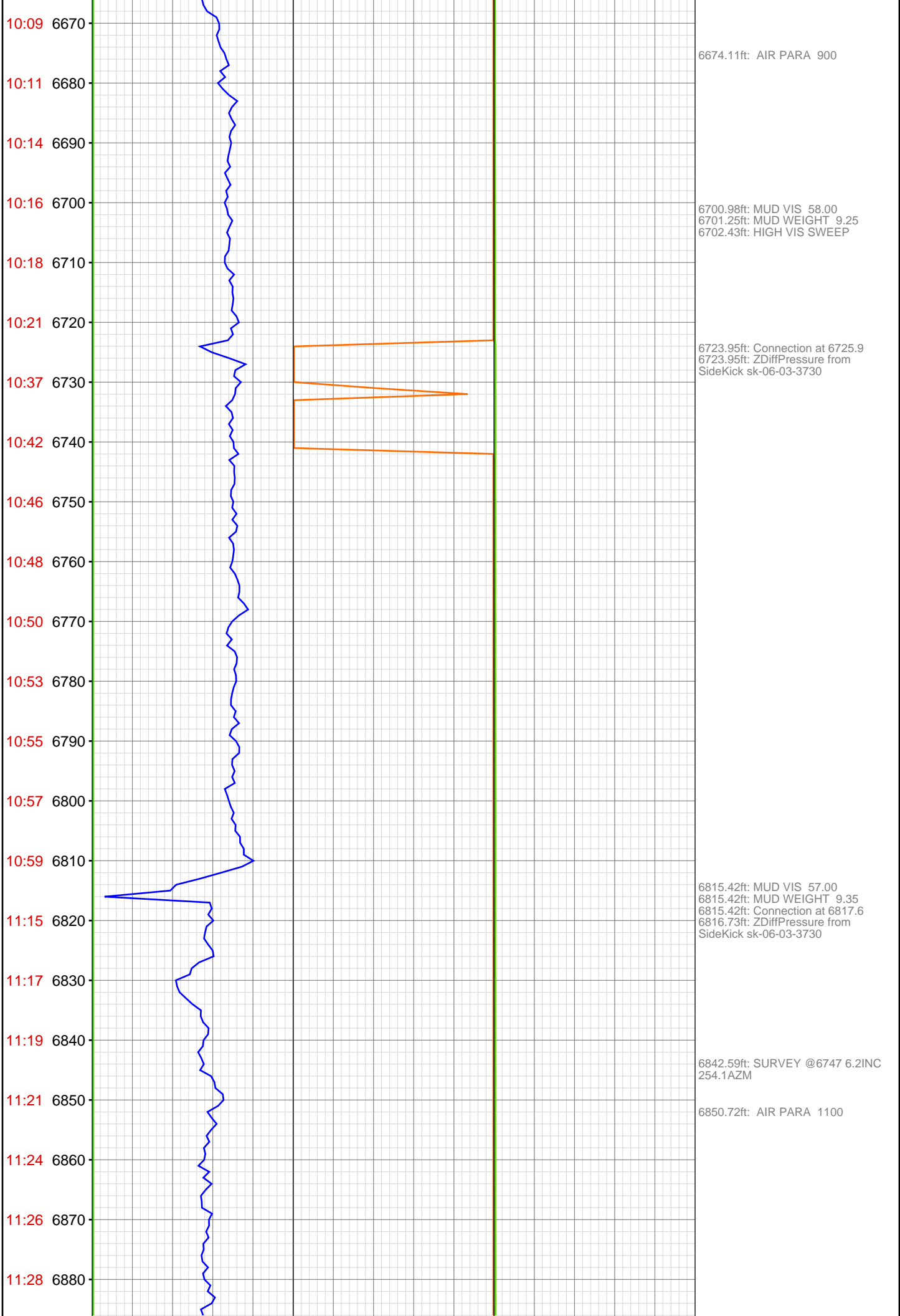




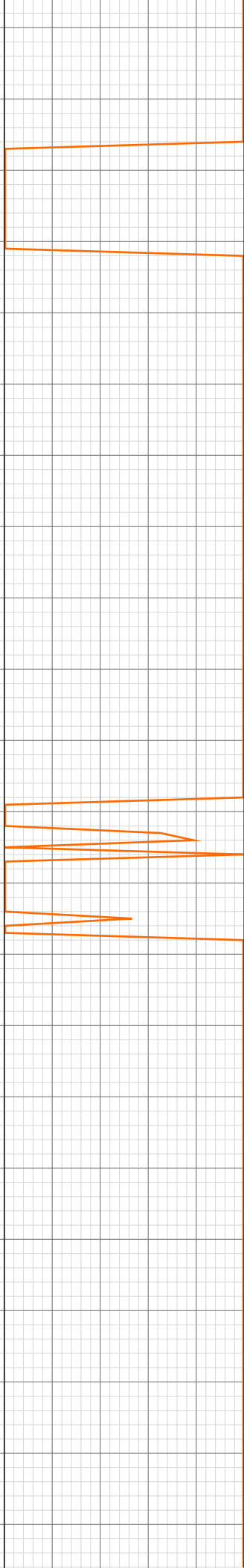








11:30 6890
11:32 6900
11:52 6910
12:00 6920
12:05 6930
12:08 6940
12:11 6950
12:14 6960
12:17 6970
12:19 6980
12:21 6990
12:38 7000
12:43 7010
12:53 7020
12:55 7030
12:58 7040
13:00 7050
13:02 7060
13:04 7070
13:08 7080
13:23 7090
13:26 7100



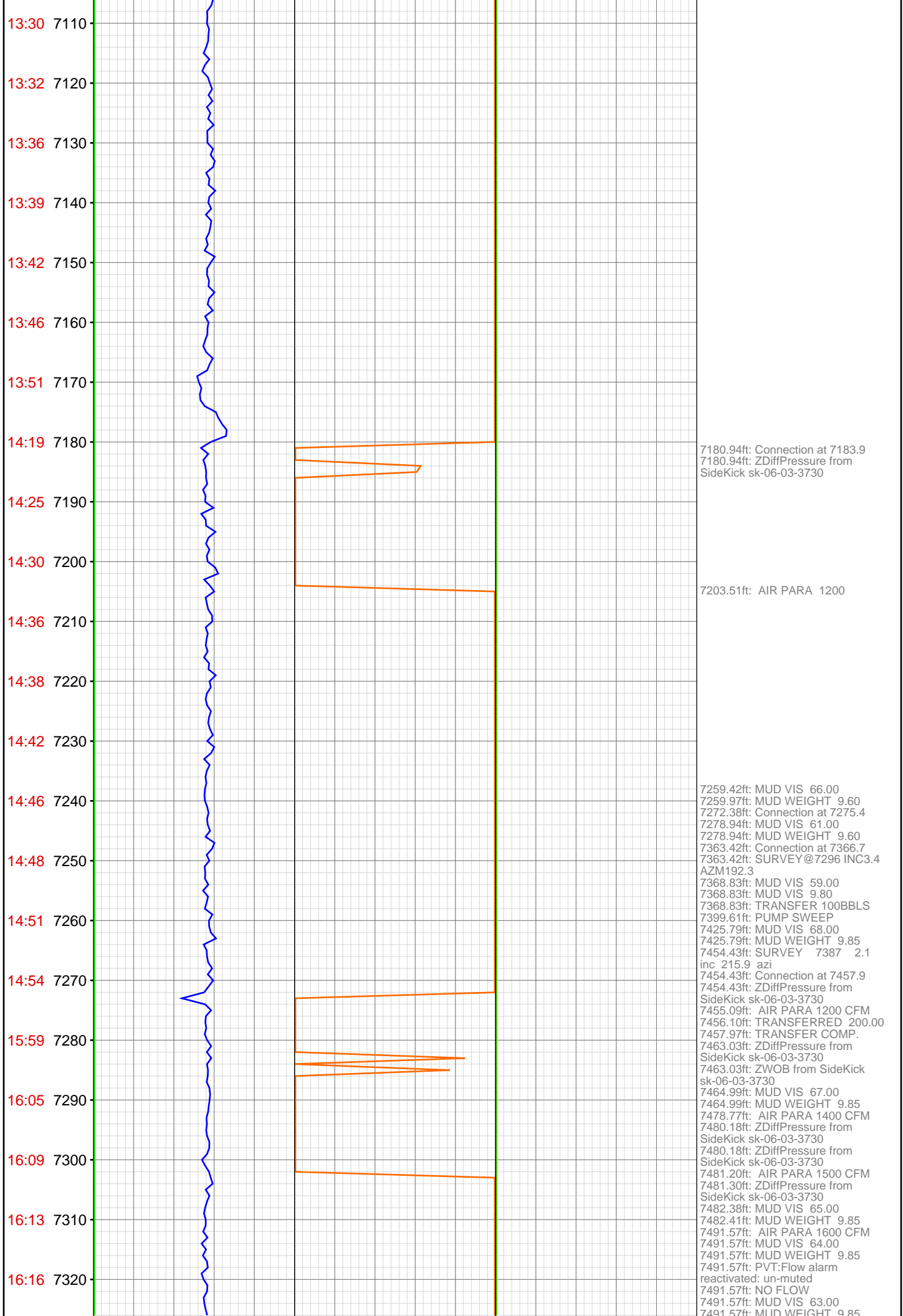
6904.33ft: AIR PARA 1300
6906.69ft: MUD VIS 55.00
6906.69ft: MUD WEIGHT 9.40
6906.86ft: Connection at 6909.3
6906.86ft: SURVEY@6839 INC 6.2
ASM 258

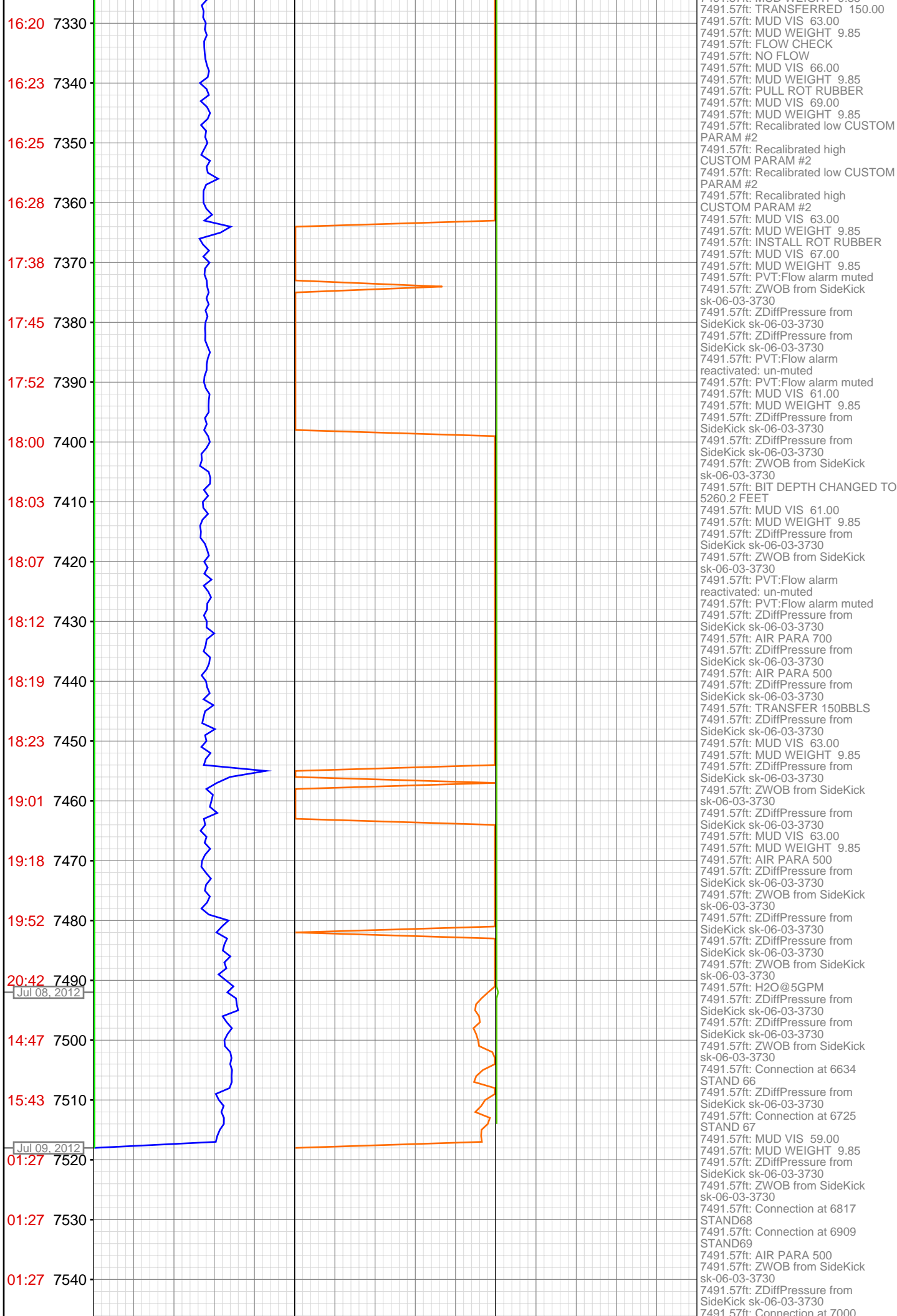
6998.13ft: Connection at 7000.7
7000.72ft: SURVEY @6930 6.0INC
250.2AZM

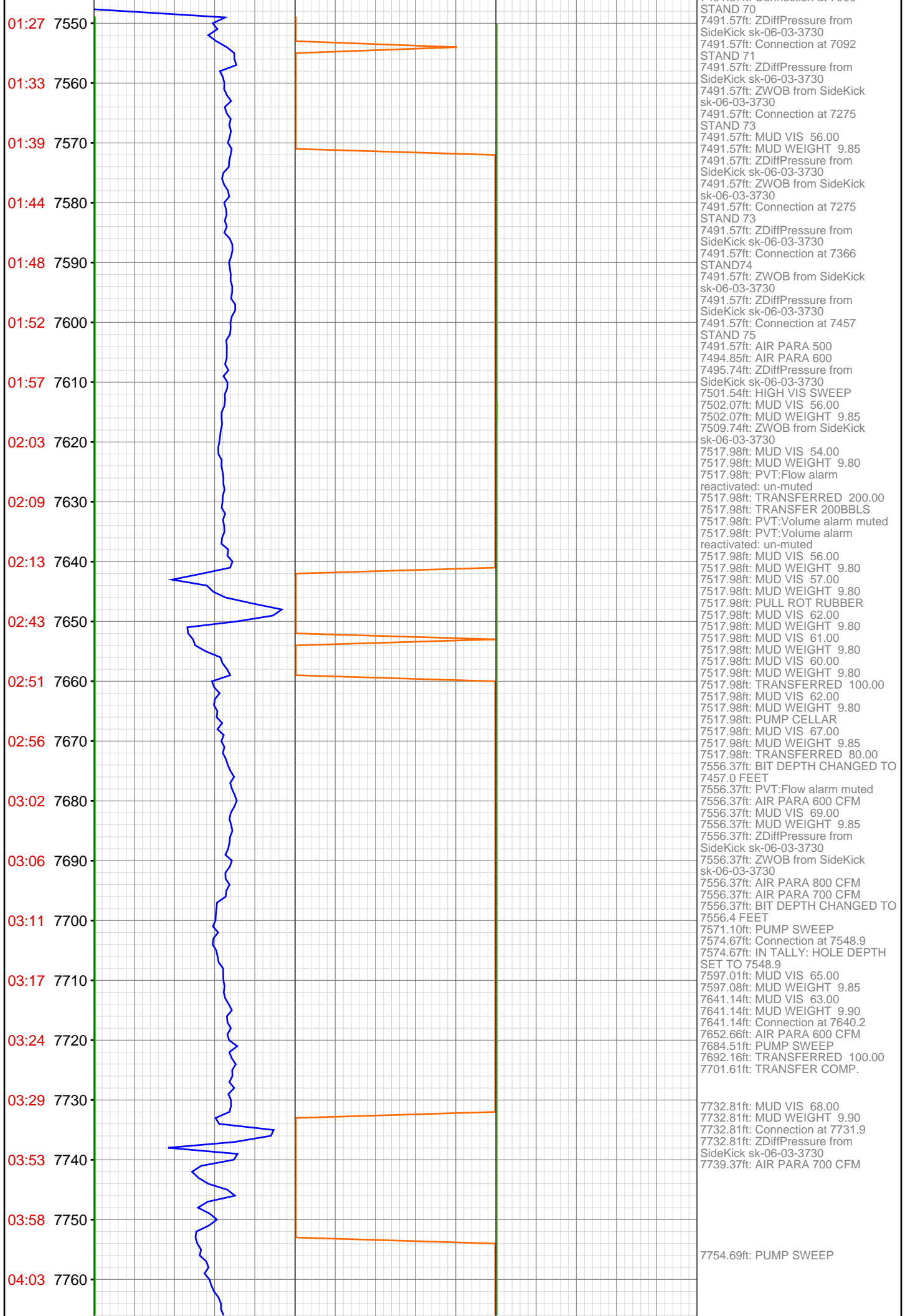
7012.04ft: ZDiffPressure from
SideKick sk-06-03-3730
7012.04ft: ZDiffPressure from
SideKick sk-06-03-3730
7017.68ft: ZDiffPressure from
SideKick sk-06-03-3730
7018.04ft: AIR PARA 1200

7077.56ft: MUD VIS 62.00
7078.02ft: MUD WEIGHT 9.55

7089.40ft: Connection at 7092.2
7089.40ft: ZWOB from SideKick
sk-06-03-3730
7089.40ft: ZDiffPressure from
SideKick sk-06-03-3730



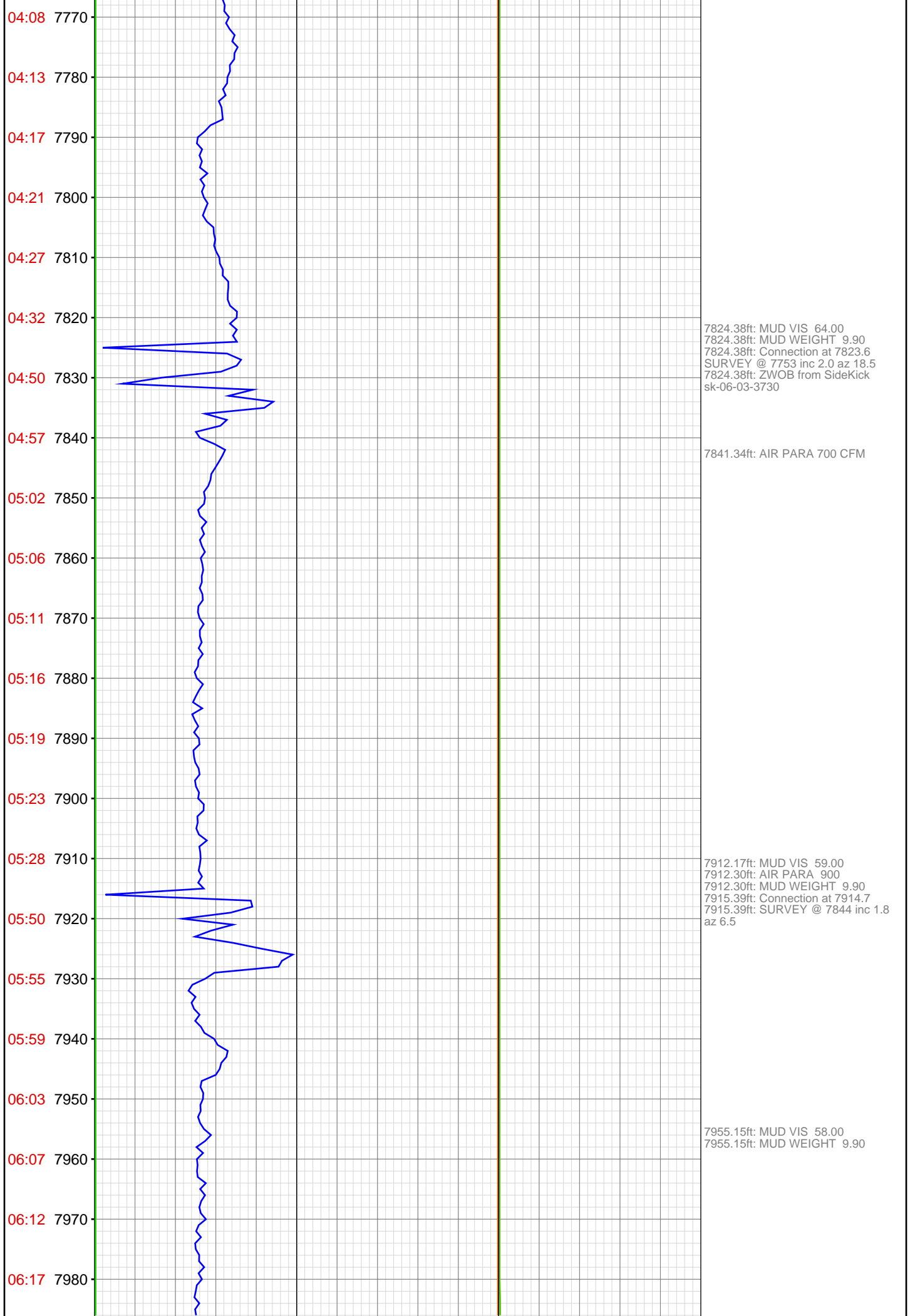


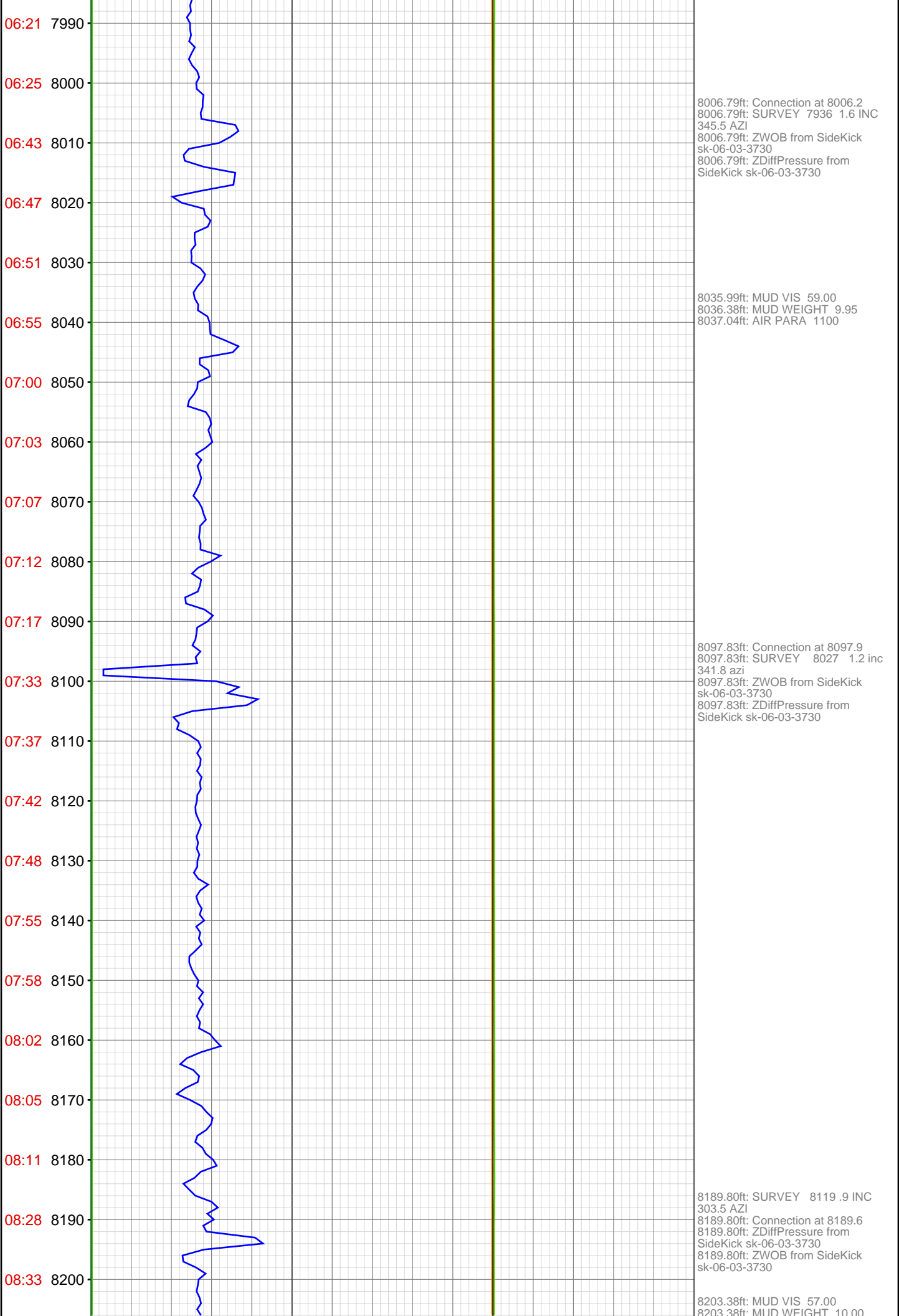


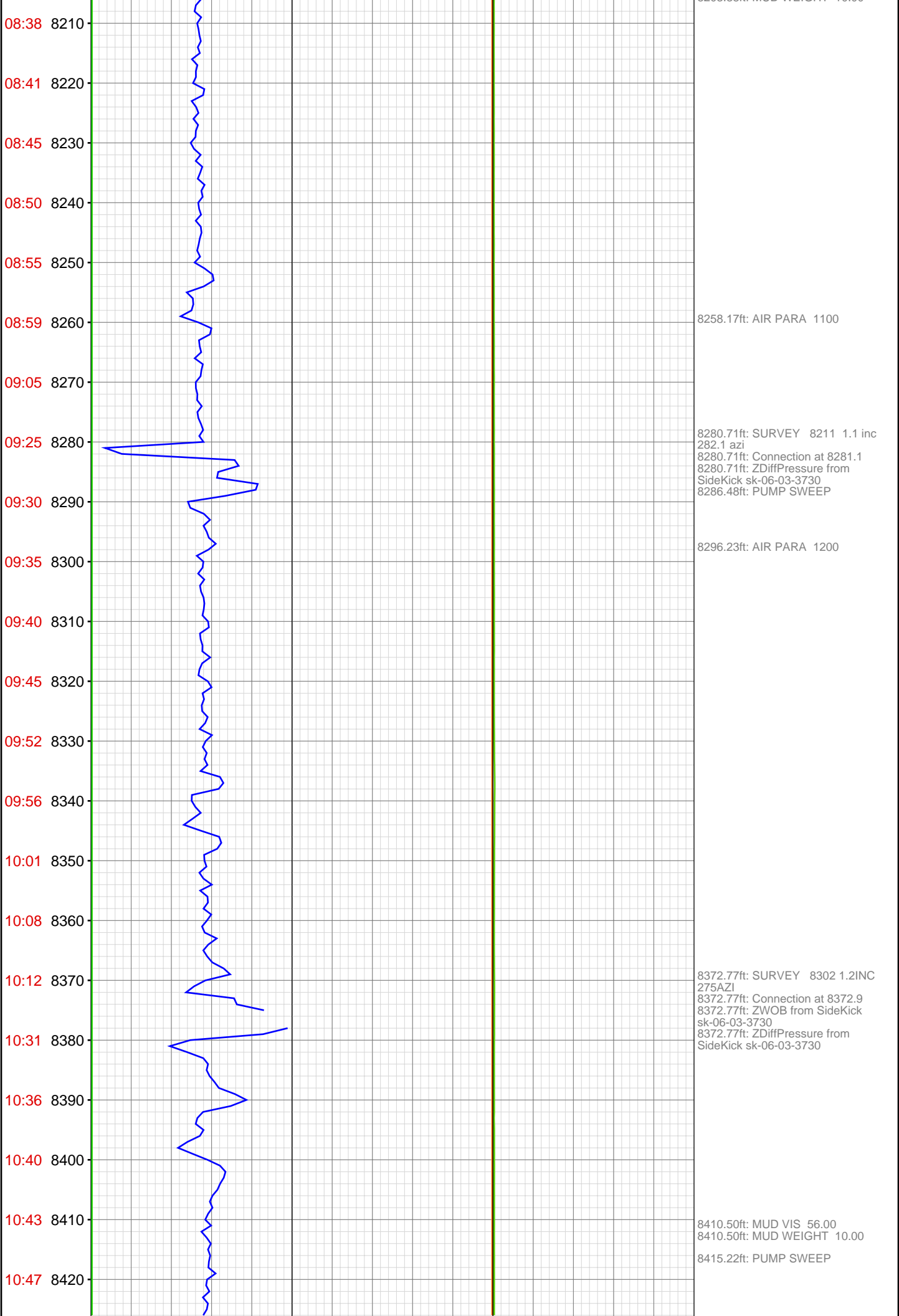
7491.57ft: ZDiffPressure from SideKick sk-06-03-3730
7491.57ft: Connection at 7092 STAND 71
7491.57ft: ZDiffPressure from SideKick sk-06-03-3730
7491.57ft: ZWOB from SideKick sk-06-03-3730
7491.57ft: Connection at 7275 STAND 73
7491.57ft: MUD VIS 56.00
7491.57ft: MUD WEIGHT 9.85
7491.57ft: ZDiffPressure from SideKick sk-06-03-3730
7491.57ft: ZWOB from SideKick sk-06-03-3730
7491.57ft: Connection at 7275 STAND 73
7491.57ft: ZDiffPressure from SideKick sk-06-03-3730
7491.57ft: Connection at 7366 STAND 74
7491.57ft: ZWOB from SideKick sk-06-03-3730
7491.57ft: ZDiffPressure from SideKick sk-06-03-3730
7491.57ft: Connection at 7457 STAND 75
7491.57ft: AIR PARA 500
7494.85ft: AIR PARA 600
7495.74ft: ZDiffPressure from SideKick sk-06-03-3730
7501.54ft: HIGH VIS SWEEP
7502.07ft: MUD VIS 56.00
7502.07ft: MUD WEIGHT 9.85
7509.74ft: ZWOB from SideKick sk-06-03-3730
7517.98ft: MUD VIS 54.00
7517.98ft: MUD WEIGHT 9.80
7517.98ft: PVT:Flow alarm reactivated: un-muted
7517.98ft: TRANSFERRED 200.00
7517.98ft: TRANSFER 200BBLs
7517.98ft: PVT:Volume alarm muted
7517.98ft: PVT:Volume alarm reactivated: un-muted
7517.98ft: MUD VIS 56.00
7517.98ft: MUD WEIGHT 9.80
7517.98ft: MUD VIS 57.00
7517.98ft: MUD WEIGHT 9.80
7517.98ft: PULL ROT RUBBER
7517.98ft: MUD VIS 62.00
7517.98ft: MUD WEIGHT 9.80
7517.98ft: MUD VIS 61.00
7517.98ft: MUD WEIGHT 9.80
7517.98ft: MUD VIS 60.00
7517.98ft: MUD WEIGHT 9.80
7517.98ft: TRANSFERRED 100.00
7517.98ft: MUD VIS 62.00
7517.98ft: MUD WEIGHT 9.80
7517.98ft: PUMP CELLAR
7517.98ft: MUD VIS 67.00
7517.98ft: MUD WEIGHT 9.85
7517.98ft: TRANSFERRED 80.00
7556.37ft: BIT DEPTH CHANGED TO 7457.0 FEET
7556.37ft: PVT:Flow alarm muted
7556.37ft: AIR PARA 600 CFM
7556.37ft: MUD VIS 69.00
7556.37ft: MUD WEIGHT 9.85
7556.37ft: ZDiffPressure from SideKick sk-06-03-3730
7556.37ft: ZWOB from SideKick sk-06-03-3730
7556.37ft: AIR PARA 800 CFM
7556.37ft: AIR PARA 700 CFM
7556.37ft: BIT DEPTH CHANGED TO 7556.4 FEET
7571.10ft: PUMP SWEEP
7574.67ft: Connection at 7548.9
7574.67ft: IN TALLY: HOLE DEPTH SET TO 7548.9
7597.01ft: MUD VIS 65.00
7597.08ft: MUD WEIGHT 9.85
7641.14ft: MUD VIS 63.00
7641.14ft: MUD WEIGHT 9.90
7641.14ft: Connection at 7640.2
7652.66ft: AIR PARA 600 CFM
7684.51ft: PUMP SWEEP
7692.16ft: TRANSFERRED 100.00
7701.61ft: TRANSFER COMP.

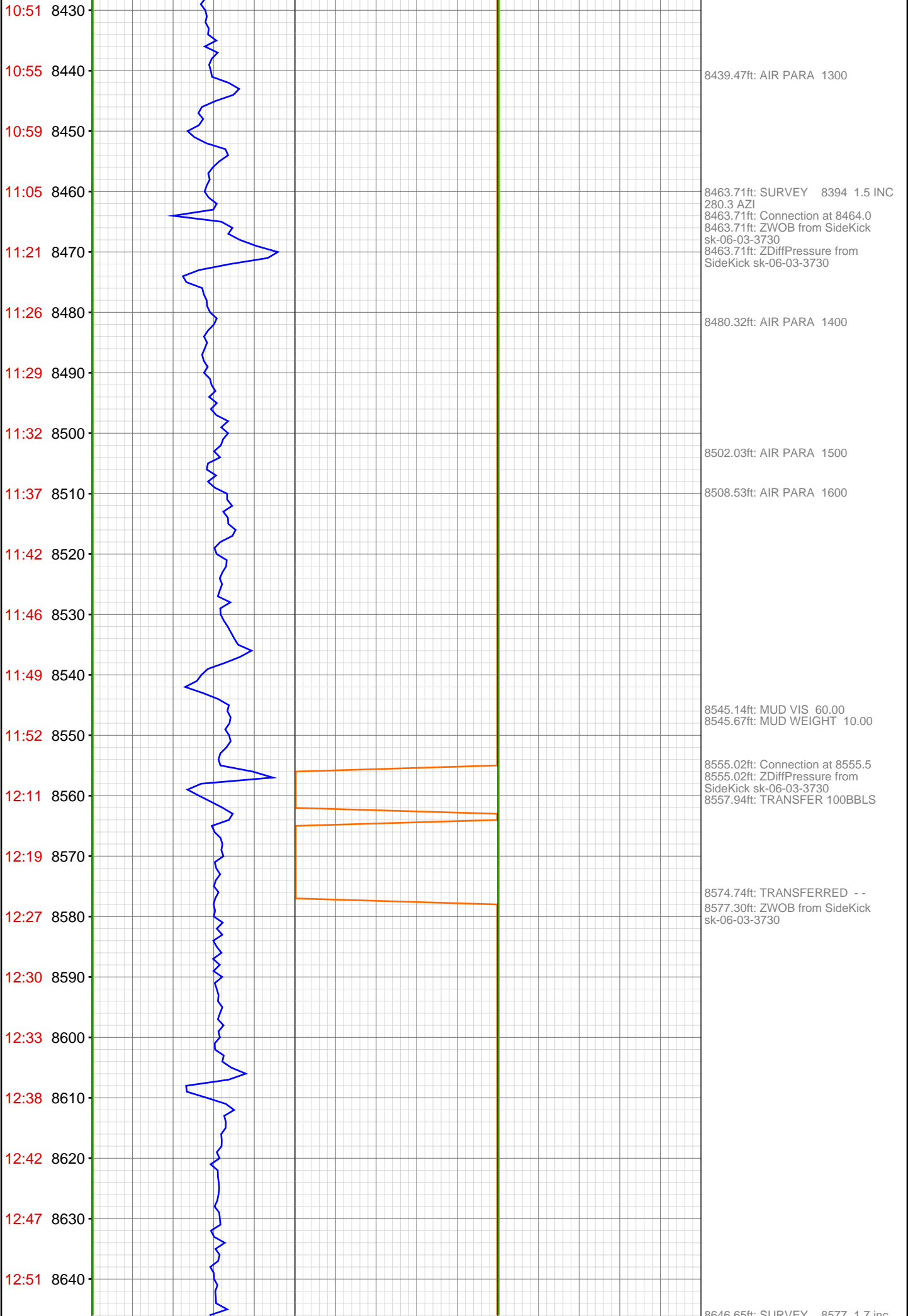
7732.81ft: MUD VIS 68.00
7732.81ft: MUD WEIGHT 9.90
7732.81ft: Connection at 7731.9
7732.81ft: ZDiffPressure from SideKick sk-06-03-3730
7739.37ft: AIR PARA 700 CFM

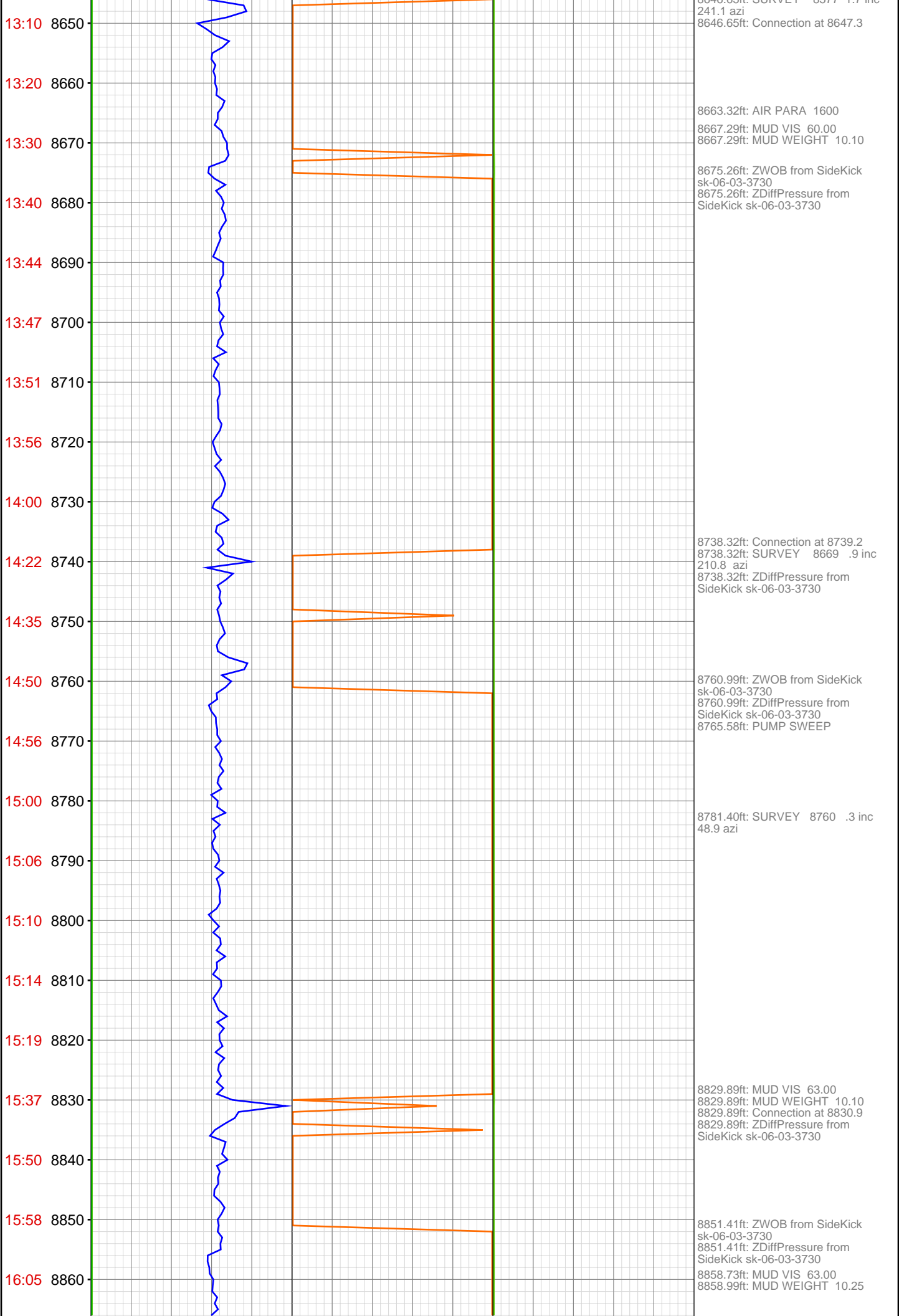
7754.69ft: PUMP SWEEP











16:08 8870
16:12 8880
16:15 8890
16:20 8900
16:24 8910
16:27 8920
16:44 8930
16:48 8940
16:53 8950
16:58 8960
17:04 8970
17:11 8980
17:16 8990
17:20 9000
17:26 9010
18:02 9020
18:12 9030
18:19 9040
18:23 9050
18:27 9060
18:31 9070
18:35 9080

8920.44ft: PUMP OUT CATCH TANK
8921.16ft: SURVEY 8852 1.5 inc
58.0 azi
8921.16ft: Connection at 8922.4
8921.16ft: ZWOB from SideKick
sk-06-03-3730
8921.16ft: ZDiffPressure from
SideKick sk-06-03-3730
8921.16ft: ZDiffPressure from
SideKick sk-06-03-3730

8981.69ft: AIR PARA 1600 CFM

9012.73ft: MUD VIS 59.00
9012.73ft: MUD WEIGHT 10.15
9012.73ft: SURVEY 8944 1.4 inc
52.7 azi
9012.73ft: RIG SERVICE
9012.73ft: ZDiffPressure from
SideKick sk-06-03-3730
9012.73ft: Connection at 9014.1
9022.38ft: MUD VIS 59.00
9022.70ft: MUD WEIGHT 10.20

18:38 9090
18:41 9100
18:59 9110
19:02 9120
19:06 9130
19:09 9140
19:12 9150
19:16 9160
19:21 9170
19:24 9180
19:28 9190
19:44 9200
19:47 9210
19:52 9220
19:57 9230
20:02 9240
20:07 9250
20:14 9260
20:20 9270
20:25 9280
20:41 9290
20:44 9300



9103.77ft: SURVEY 9035 2.0 inc
108.9 azi
9103.77ft: Connection at 9105.4
9103.77ft: ZDiffPressure from
SideKick sk-06-03-3730

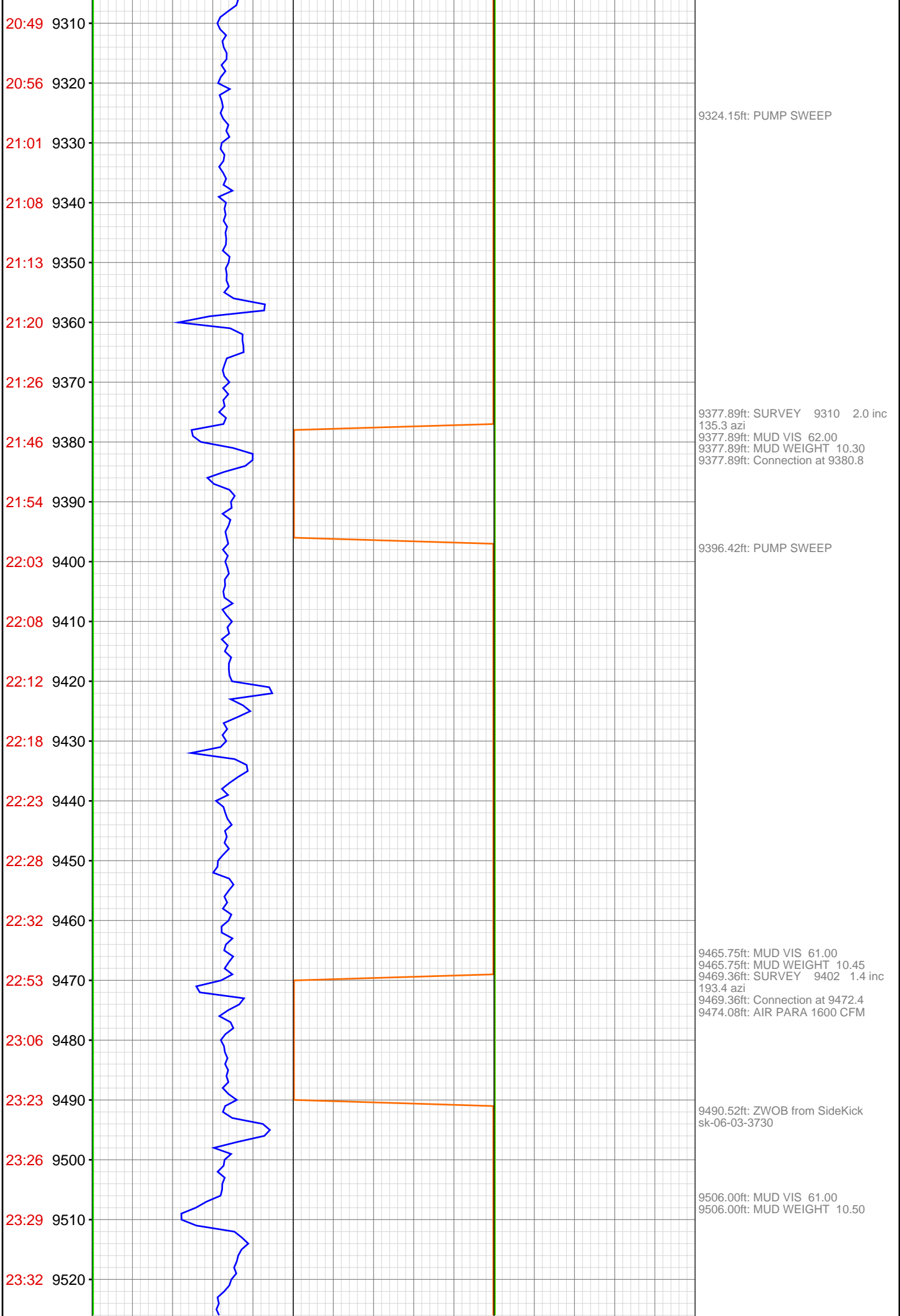
9172.41ft: PUMP SWEEP

9181.40ft: MUD VIS 61.00
9181.99ft: MUD WEIGHT 10.20

9193.41ft: AIR PARA 1600 CFM
9195.24ft: SURVEY 9127 2.0 inc
120.4 azi
9195.24ft: Connection at 9197.1
9195.24ft: ZWOB from SideKick
sk-06-03-3730
9195.93ft: PUMP SWEEP

9278.54ft: MUD VIS 59.00
9278.54ft: MUD WEIGHT 10.25

9286.94ft: SURVEY 9219 2.3 inc
124.7 azi
9286.94ft: Connection at 9289.1



23:36 9530
23:39 9540
23:42 9550
23:45 9560
00:19 9570
00:32 9580
00:42 9590
00:45 9600
00:49 9610
00:54 9620
00:59 9630
01:06 9640
01:11 9650
01:41 9660
01:59 9670
02:05 9680
02:09 9690
02:12 9700
02:16 9710
02:20 9720
02:26 9730
02:29 9740

Jul 10, 2012

9560.93ft: SURVEY 9494 1.0 inc
235.6 azi
9560.93ft: Connection at 9564.2
9560.93ft: ZDiffPressure from
SideKick sk-06-03-3730
9560.93ft: ZWOB from SideKick
sk-06-03-3730

9582.12ft: MUD VIS 61.00
9582.25ft: MUD WEIGHT 10.50

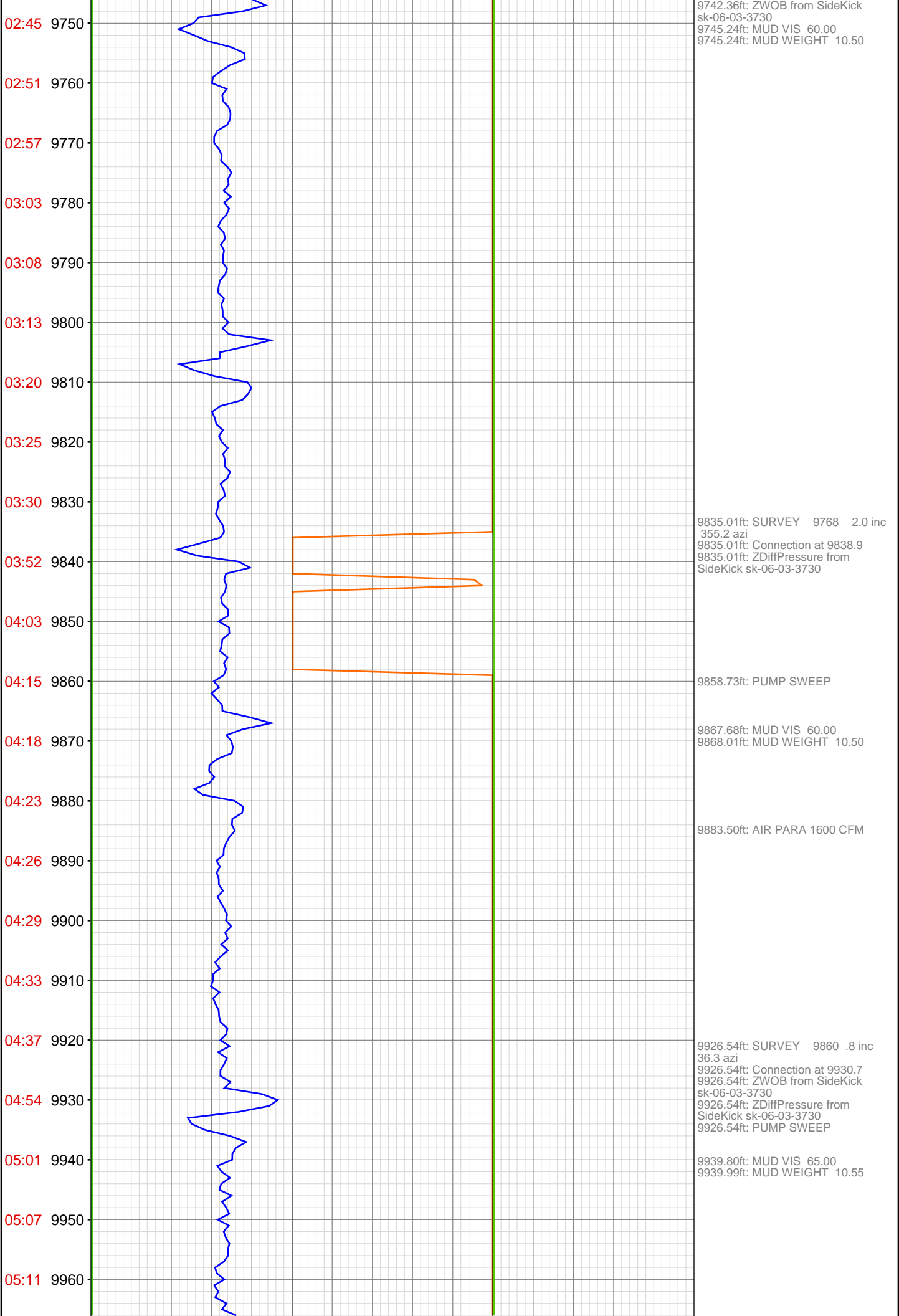
9588.03ft: PUMP SWEEP

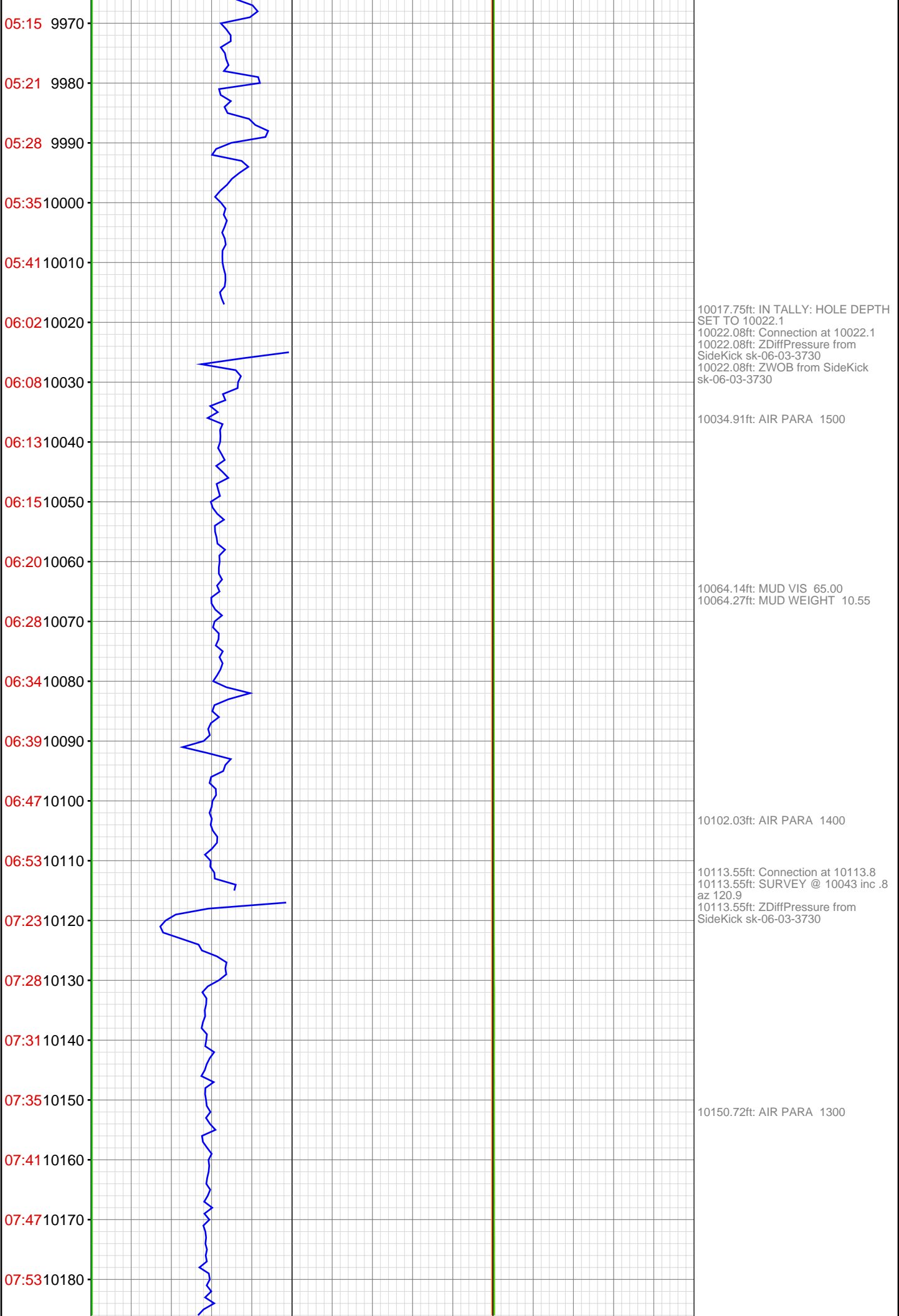
9652.10ft: SURVEY 9585 1.5 inc
318.6 azi
9652.10ft: Connection at 9655.5
9654.00ft: MUD VIS 62.00
9654.00ft: MUD WEIGHT 10.50

9670.74ft: PUMP SWEEP

9699.34ft: AIR PARA 1600 CFM

9742.36ft: SURVEY 9677 2.3 inc
355.4 azi
9742.36ft: Connection at 9747.1
9742.36ft: ZDiffPressure from
SideKick sk-06-03-3730





08:02 10190
08:08 10200
08:33 10210
08:38 10220
08:43 10230
08:47 10240
08:51 10250
08:57 10260
09:01 10270
09:05 10280
09:10 10290
09:28 10300
09:31 10310
09:34 10320
09:38 10330
09:42 10340
09:46 10350
09:51 10360
09:59 10370
10:04 10380
10:26 10390
10:42 10400



10196.98ft: AIR PARA 1200
10205.02ft: Connection at 10205.5
10205.02ft: SURVEY @ 10135 inc .5
az 112.0
10205.02ft: ZWOB from SideKick
sk-06-03-3730
10205.02ft: ZDiffPressure from
SideKick sk-06-03-3730

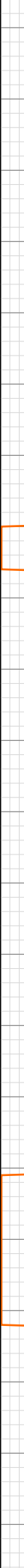
10243.80ft: MUD VIS 60.00
10244.00ft: MUD WEIGHT 10.55

10296.52ft: SURVEY @ 10226 inc .4
az 155.7
10296.52ft: Connection at 10296.6
10296.52ft: ZDiffPressure from
SideKick sk-06-03-3730

10367.42ft: MUD VIS 56.00
10367.75ft: MUD WEIGHT 10.55
10368.24ft: AIR PARA 1200

10387.93ft: Connection at 10387.8
10387.93ft: ZDiffPressure from
SideKick sk-06-03-3730
10394.52ft: ZDiffPressure from
SideKick sk-06-03-3730

10:47 10410
10:53 10420
10:59 10430
11:05 10440
11:14 10450
11:18 10460
11:25 10470
11:50 10480
12:05 10490
12:12 10500
12:19 10510
12:24 10520
12:34 10530
12:40 10540
12:45 10550
12:53 10560
13:00 10570
13:27 10580
13:33 10590
13:41 10600
13:47 10610
13:51 10620



10417.59ft: PUMP OUT DRY
SHAKERS TANK

10425.26ft: PUMP SWEEP

10479.23ft: MUD VIS 55.00
10479.23ft: MUD WEIGHT 10.55
10479.23ft: Connection at 10479.3

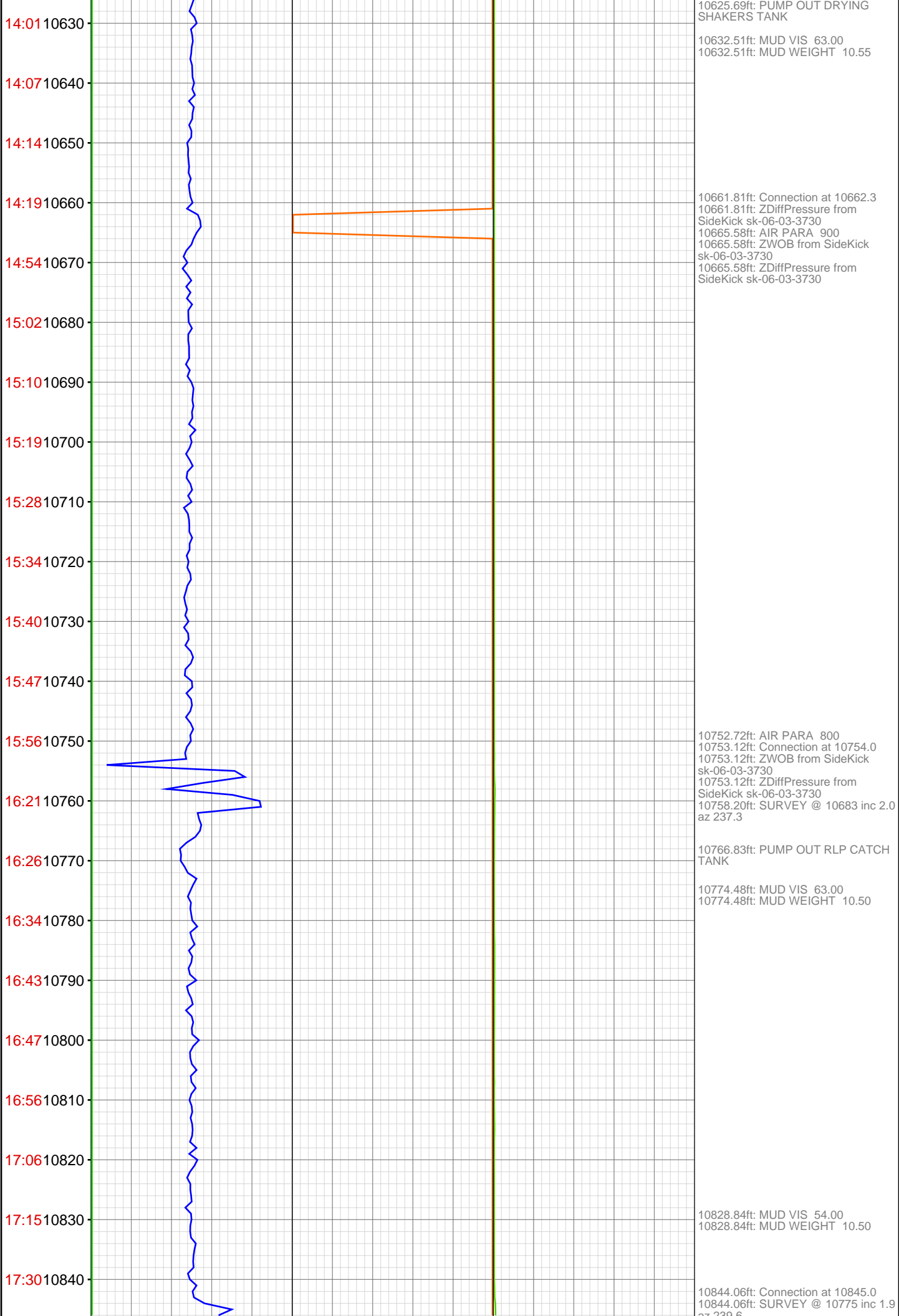
10486.48ft: ZDiffPressure from
SideKick sk-06-03-3730

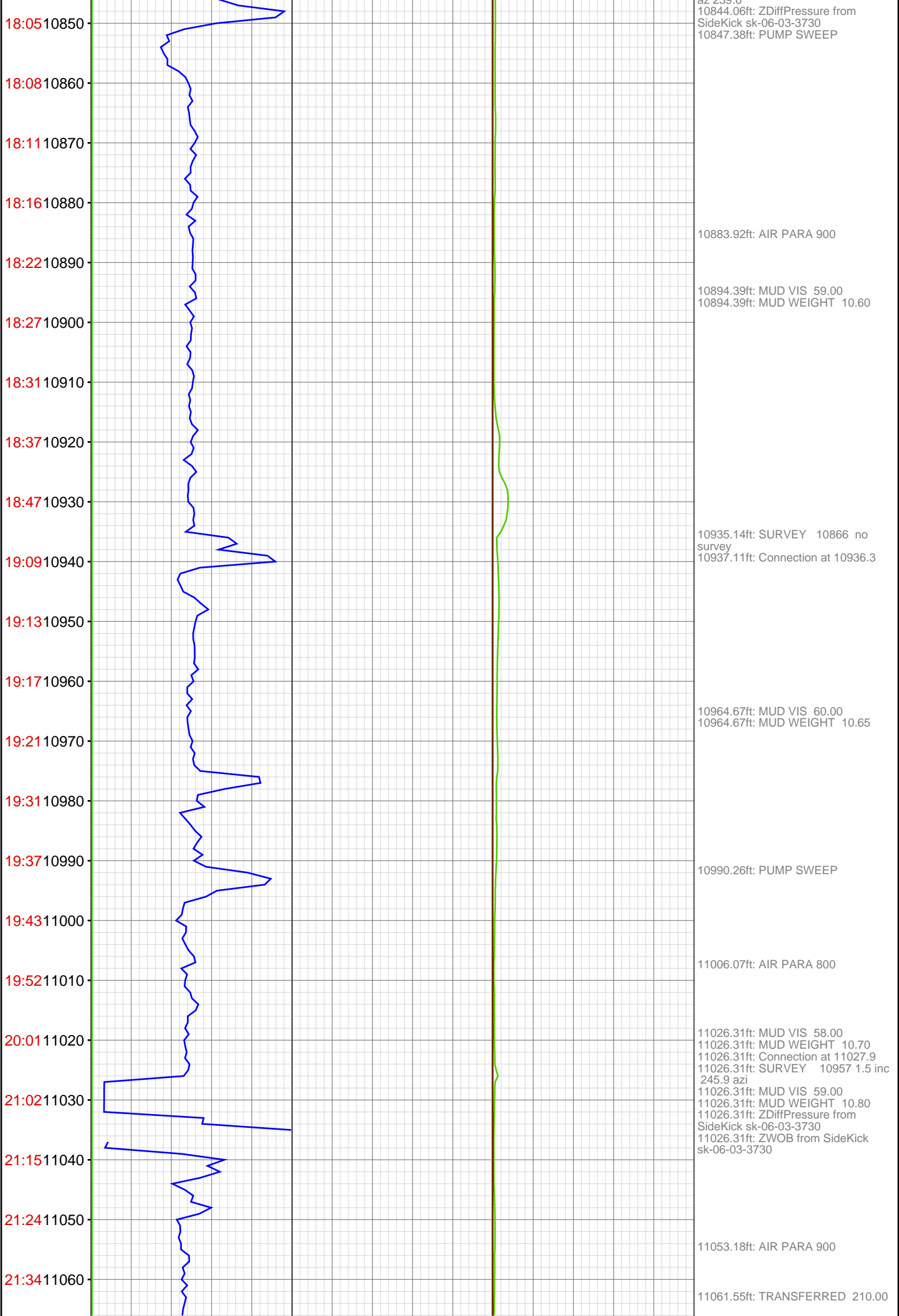
10512.66ft: PUMP SWEEP

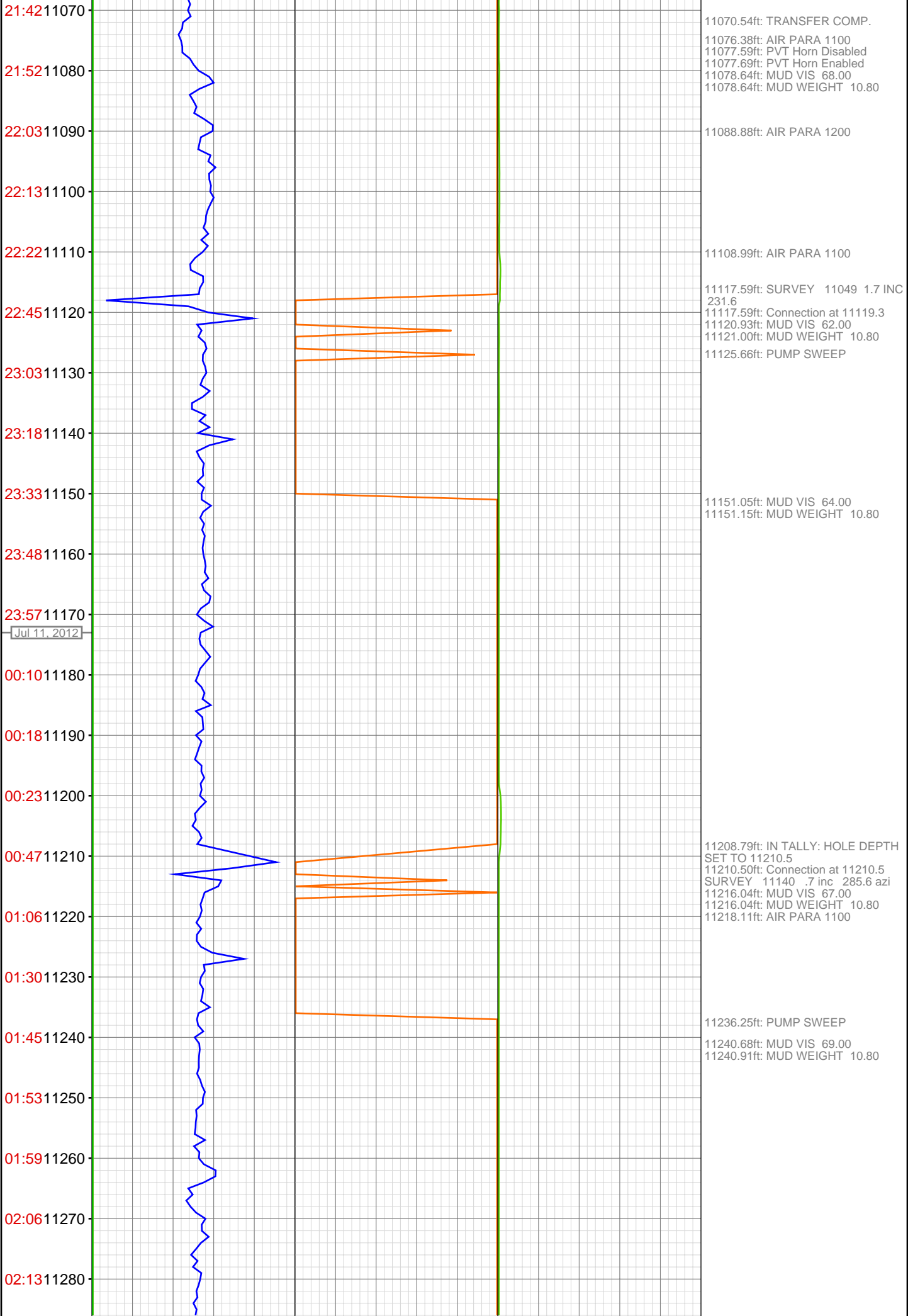
10522.38ft: MUD VIS 66.00
10522.38ft: MUD WEIGHT 10.55

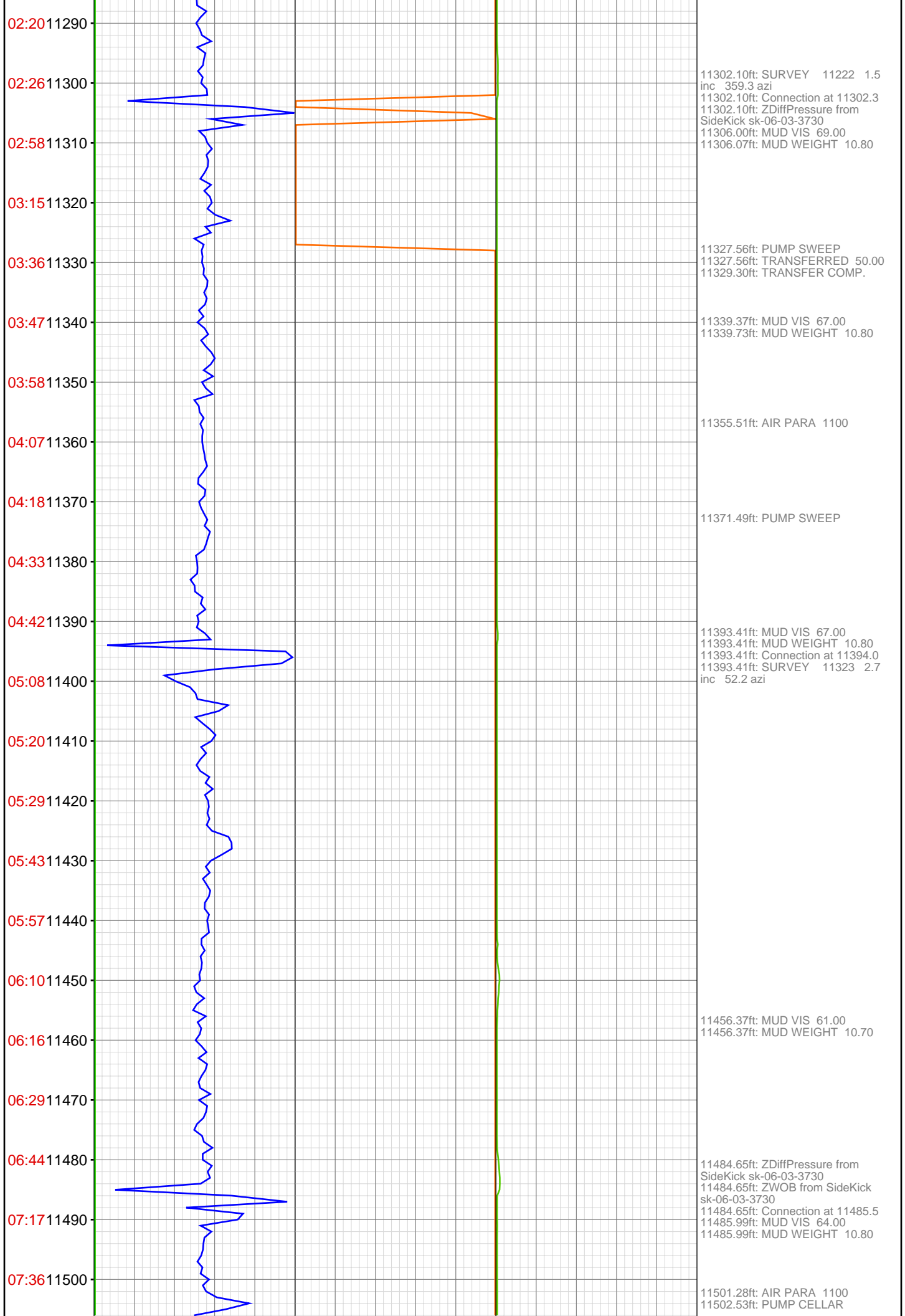
10553.05ft: AIR PARA 1100

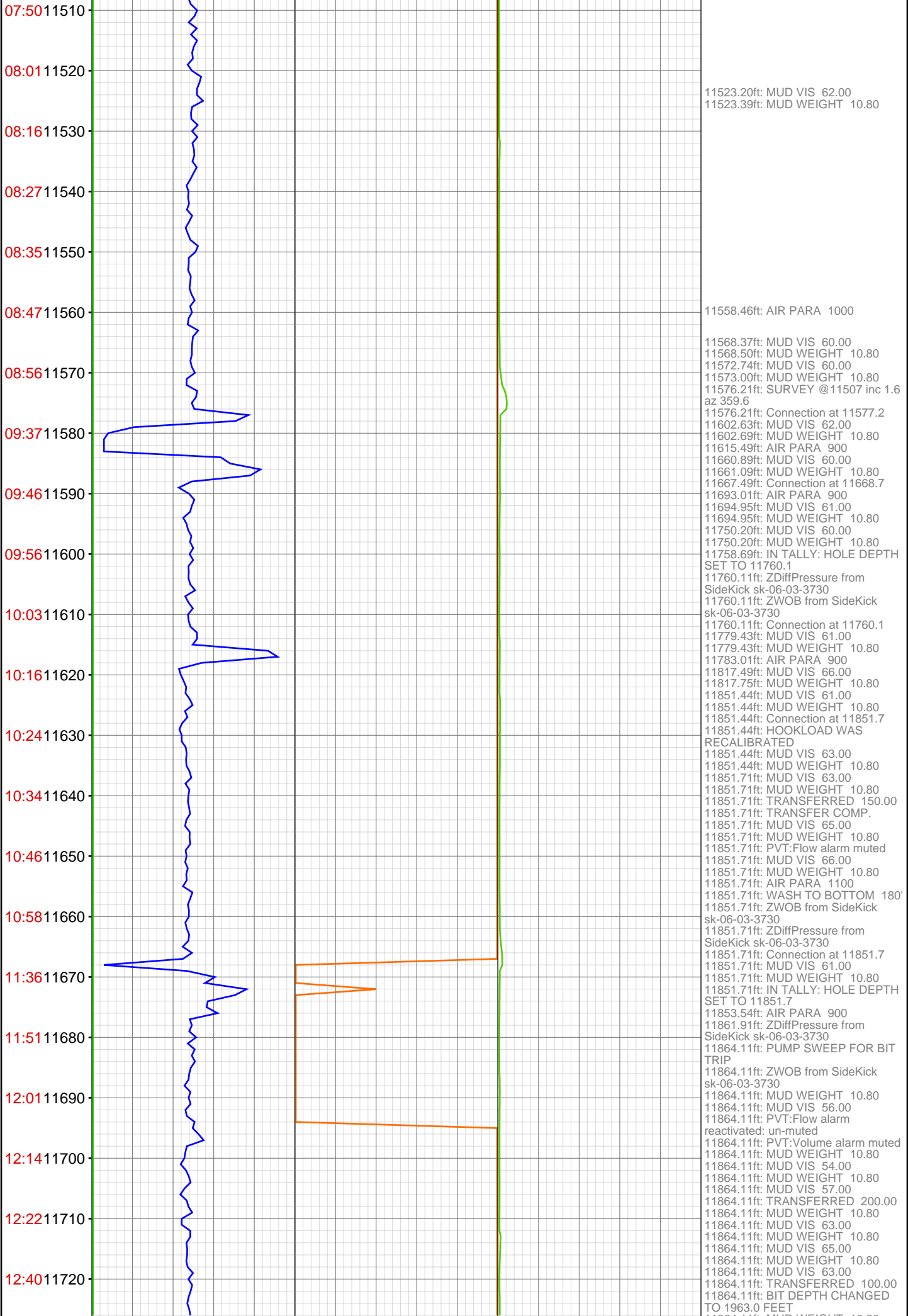
10570.51ft: ZWOB from SideKick
sk-06-03-3730
10570.51ft: Connection at 10570.8
10570.51ft: SURVEY @ 10500 inc 1.1
az 239.1

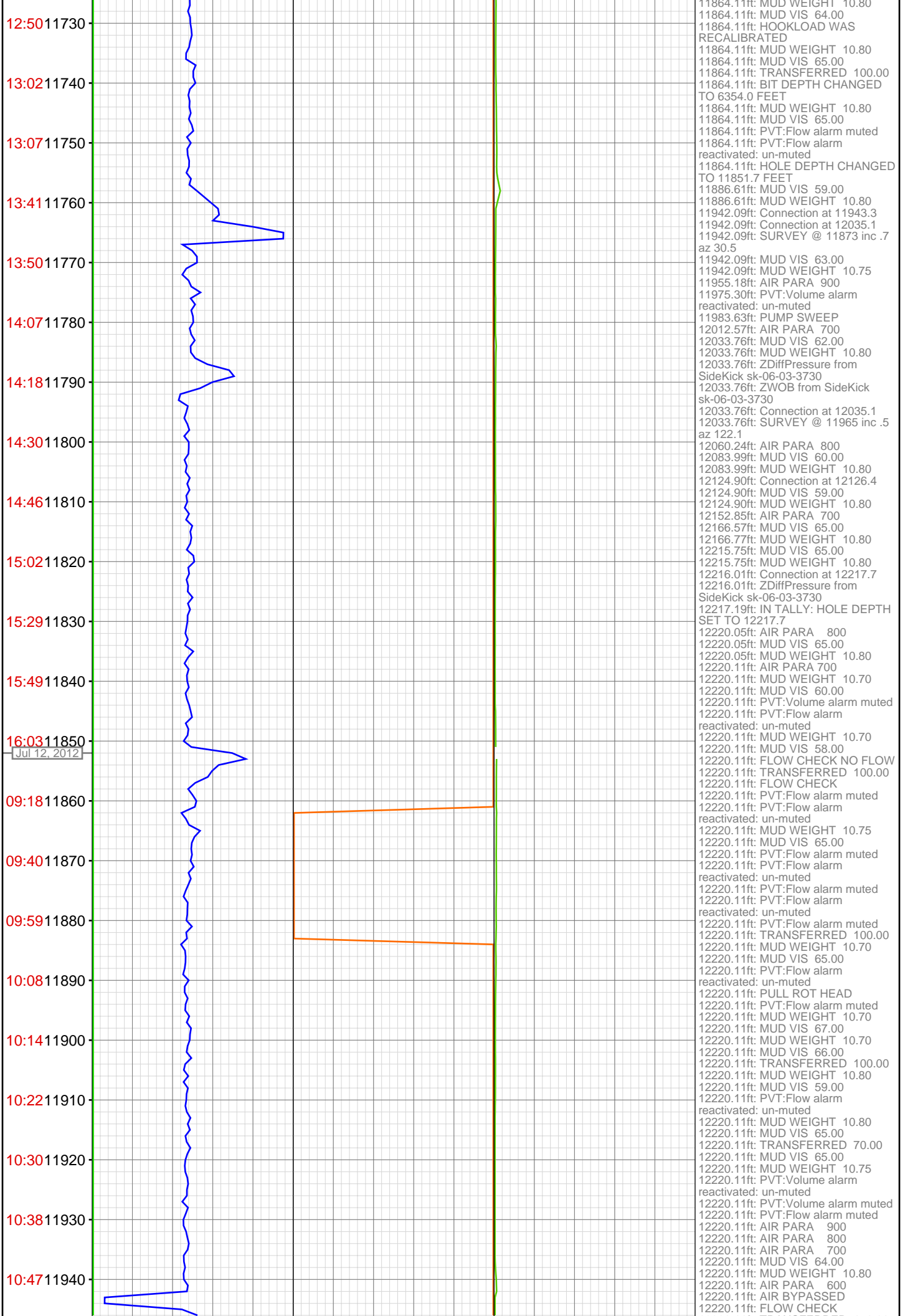


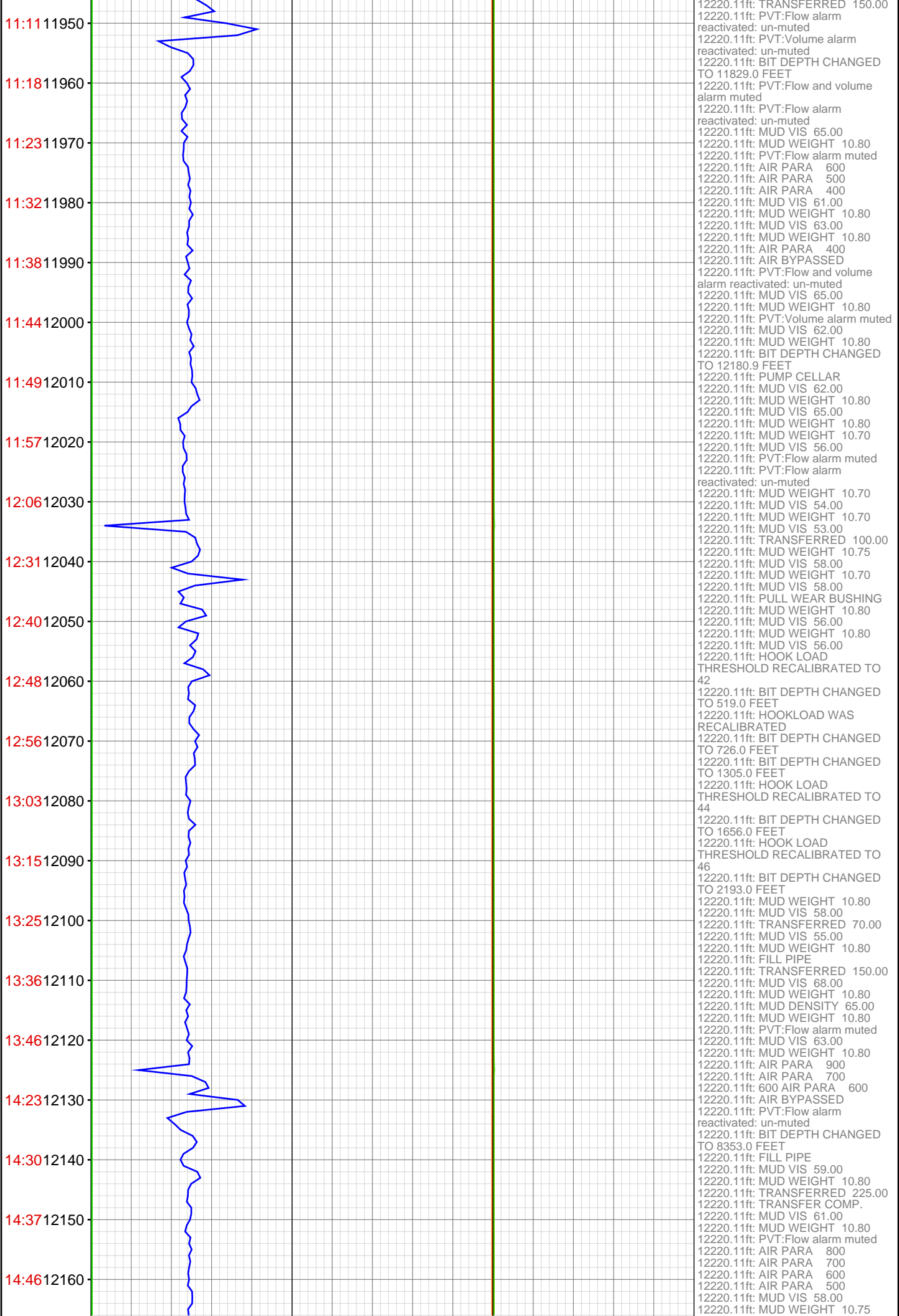












15:0012170
15:1512180
15:2512190
15:3612200
15:4912210
12220
12230



12220.11ft: AIR BYPASSED
12220.11ft: MUD VIS 60.00
12220.11ft: MUD WEIGHT 10.80
12220.11ft: PVT:Flow alarm
reactivated: un-muted
12220.11ft: PVT:Flow alarm muted
12220.11ft: MUD VIS 60.00
12220.11ft: MUD WEIGHT 10.80
12220.11ft: TRANSFERRED 160.00
12220.11ft: MUD VIS 58.00
12220.11ft: MUD WEIGHT 10.80
12220.11ft: AIR PARA 900
12220.11ft: AIR PARA 700
12220.11ft: AIR PARA 600
12220.11ft: MUD WEIGHT 10.80
12220.11ft: MUD VIS 42.00
12220.11ft: PVT:Flow alarm
reactivated: un-muted
12220.11ft: PVT:Flow alarm muted
12220.11ft: AIR PARA 500
12220.11ft: AIR PARA 400
12220.11ft: MUD WEIGHT 10.80
12220.11ft: MUD VIS 41.00
12220.11ft: PVT:Flow alarm
reactivated: un-muted
12220.11ft: PVT:Flow alarm muted
12220.11ft: PVT:Flow alarm
reactivated: un-muted
12220.11ft: PVT:Flow alarm muted
12220.11ft: PVT:Flow alarm muted
reactivated: un-muted
12220.11ft: PVT:Flow alarm muted
12220.11ft: AIR PARA 700
12220.11ft: AIR PARA 900
12220.11ft: AIR PARA 1100
12220.11ft: AIR PARA 1300
12220.11ft: AIR PARA 800
12220.11ft: DROP PLUG