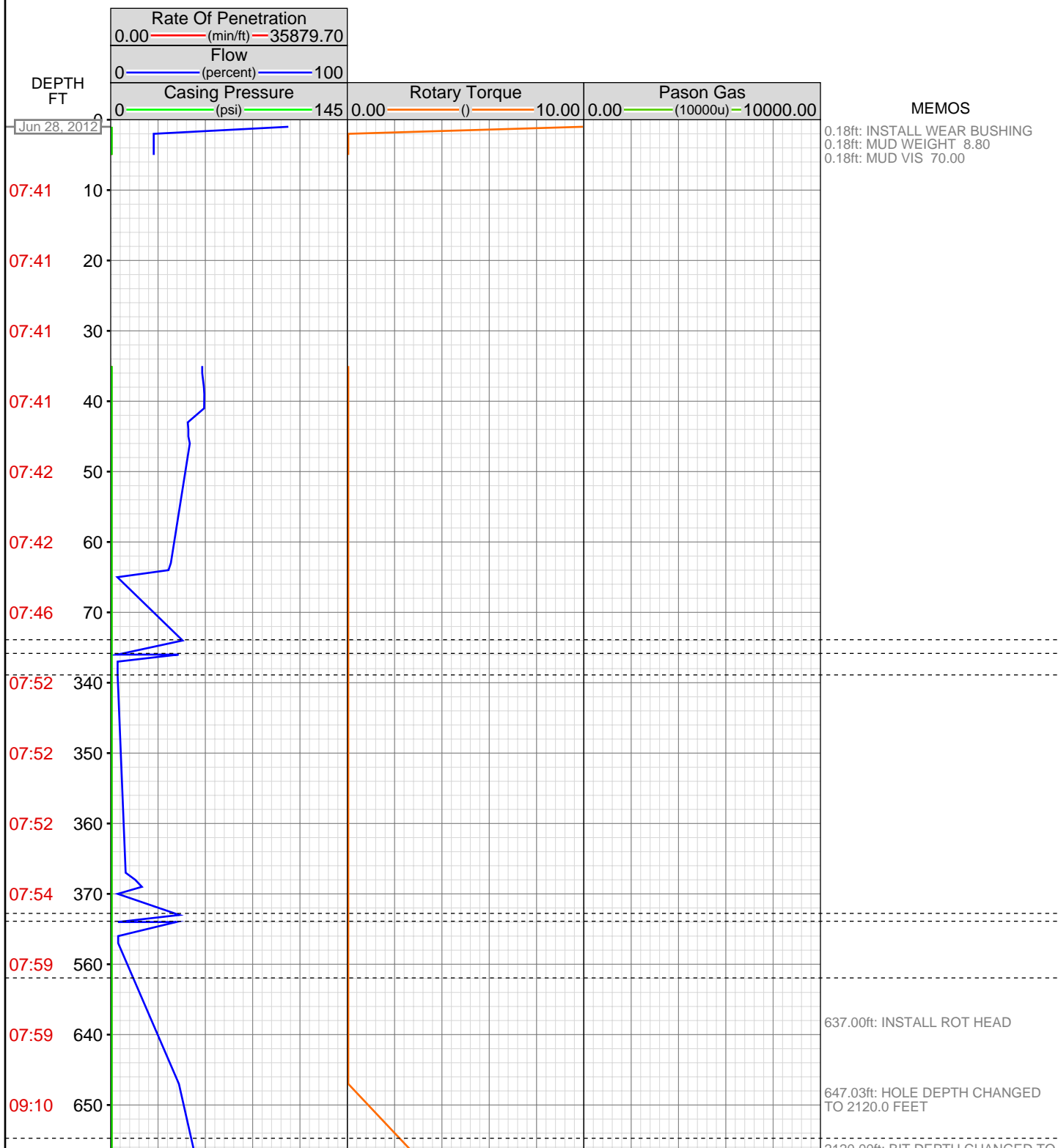


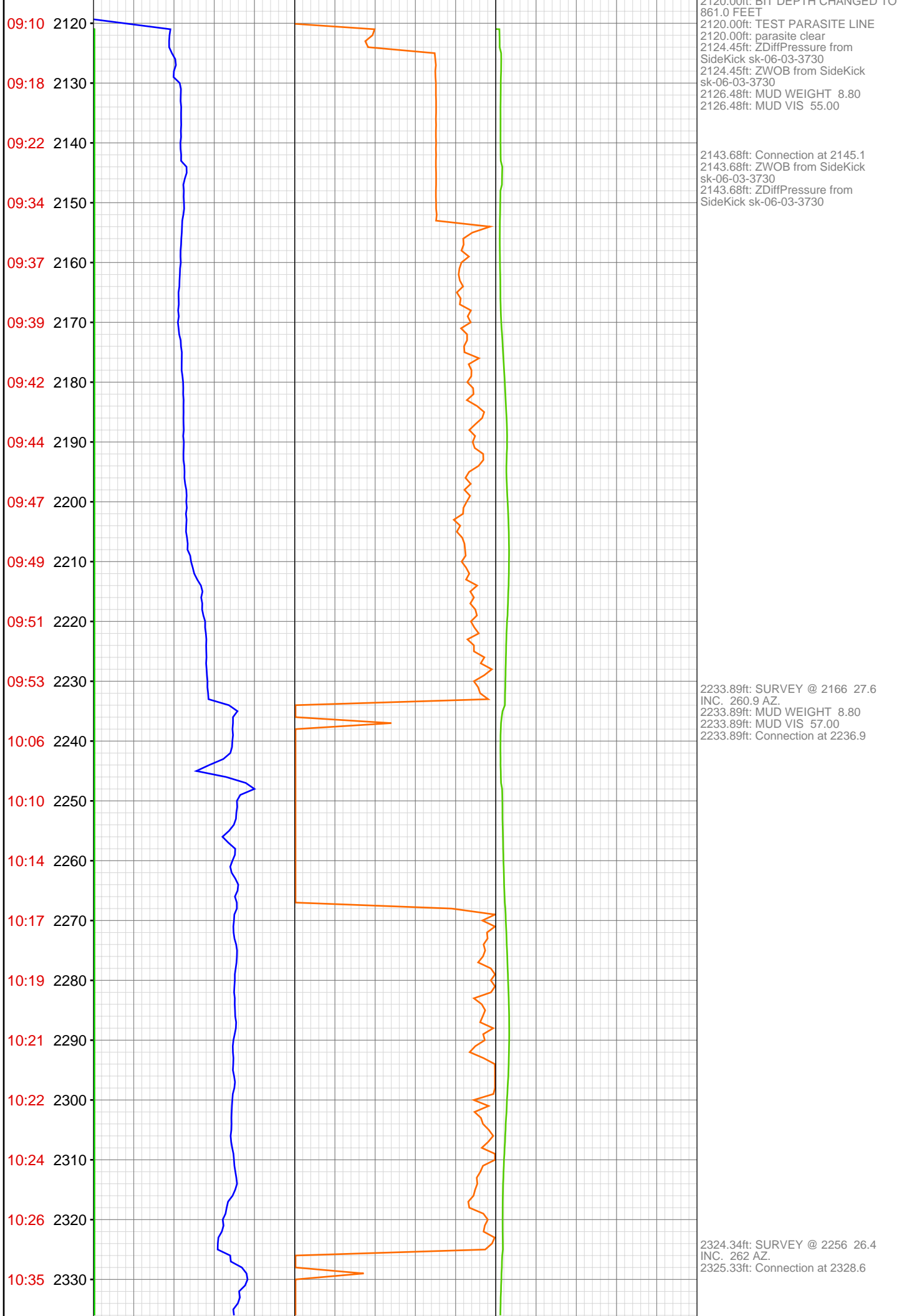
DataHub EDR Log

Mon Jul 09, 2012 11:31:12
Well Dossier 1340832340
Marilyn Tucker

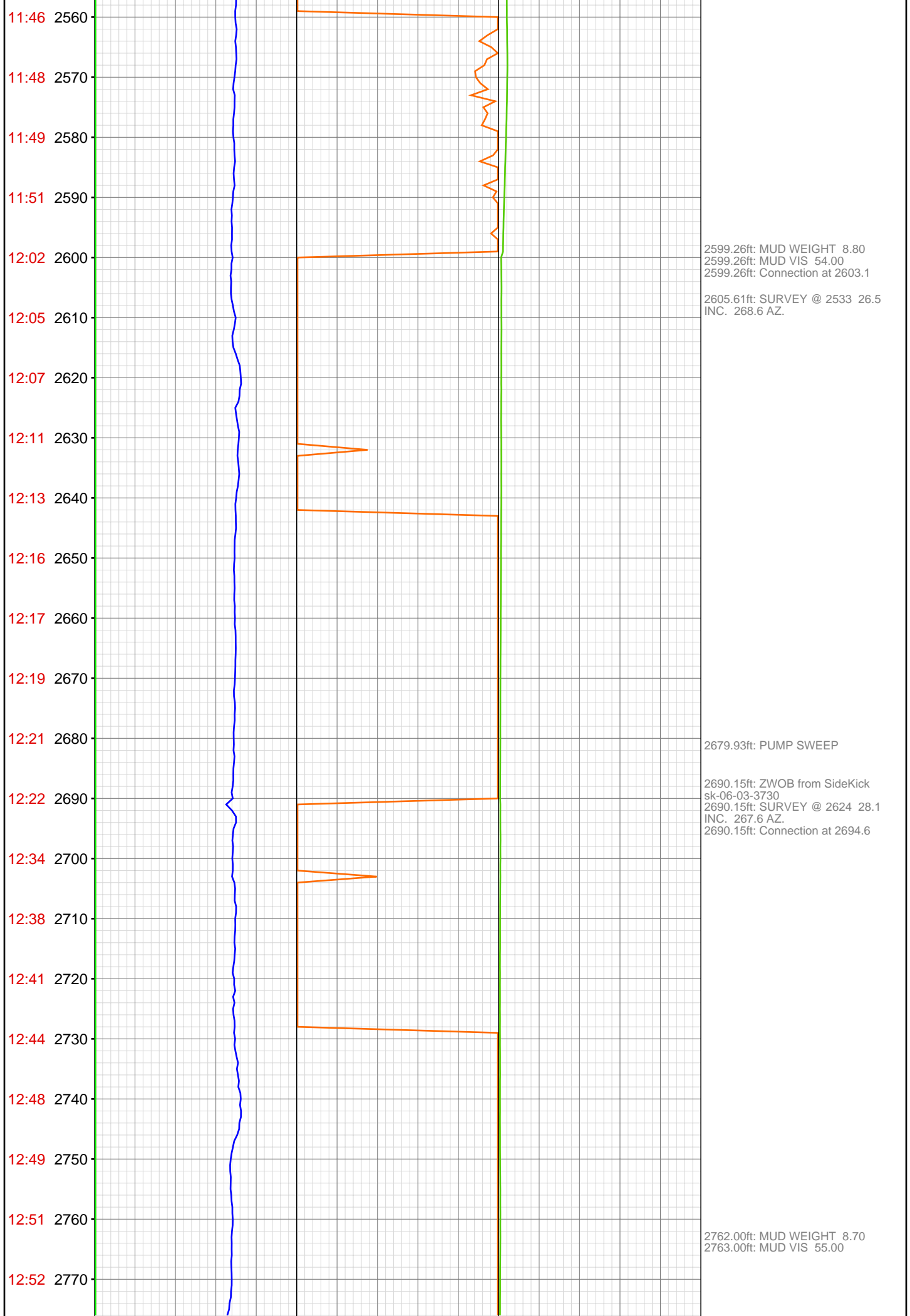
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: SG 8516B-21 N-22 496
FIELD:
LOCATION: SEC:25 T4S R96W
COUNTRY: USA
RIG: Pat-UTI 306

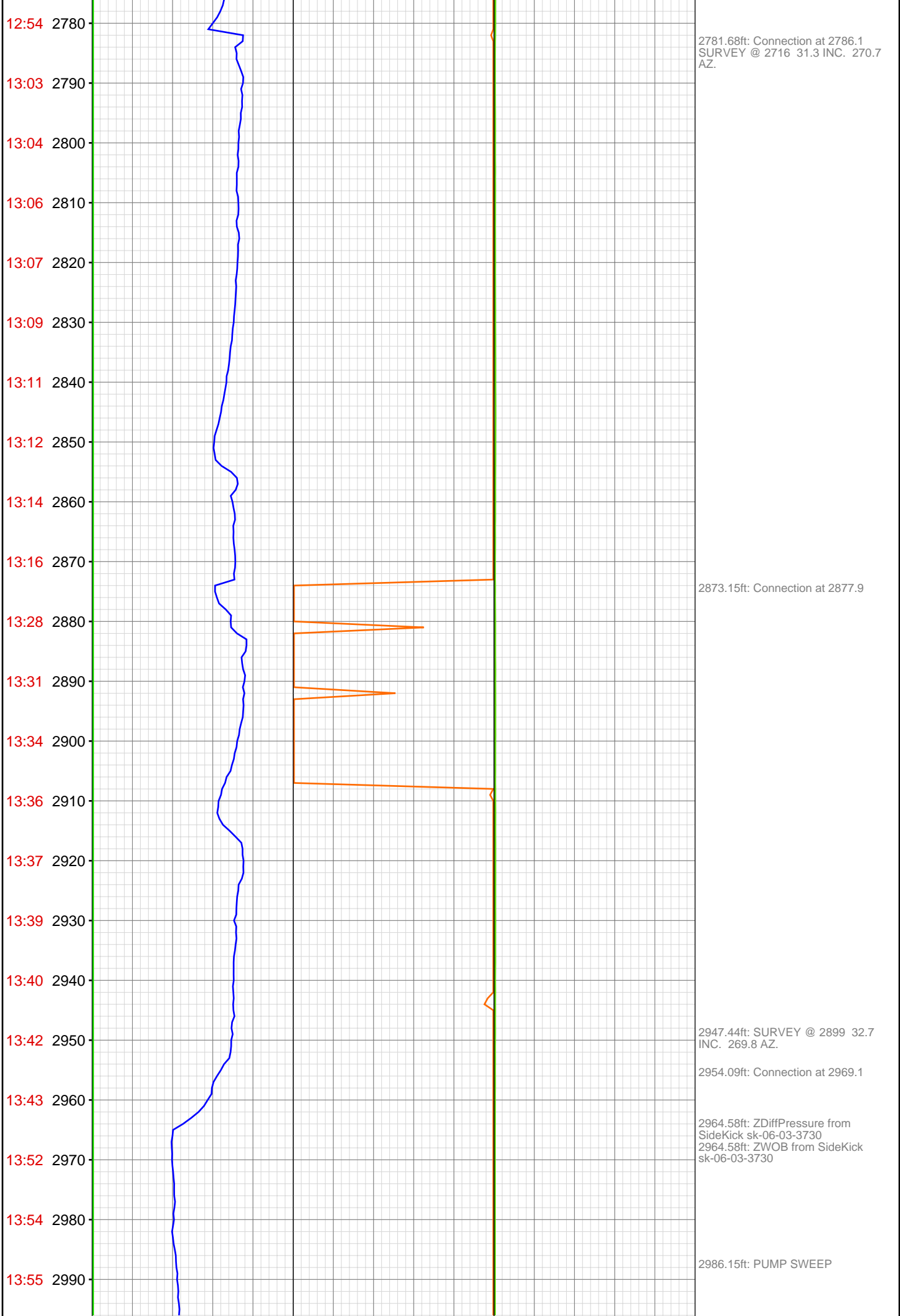
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 050-452-10410000
SPUD DATE: Jun 28, 2012 09:00
RELEASE DATE: Jul 04, 2012 20:30



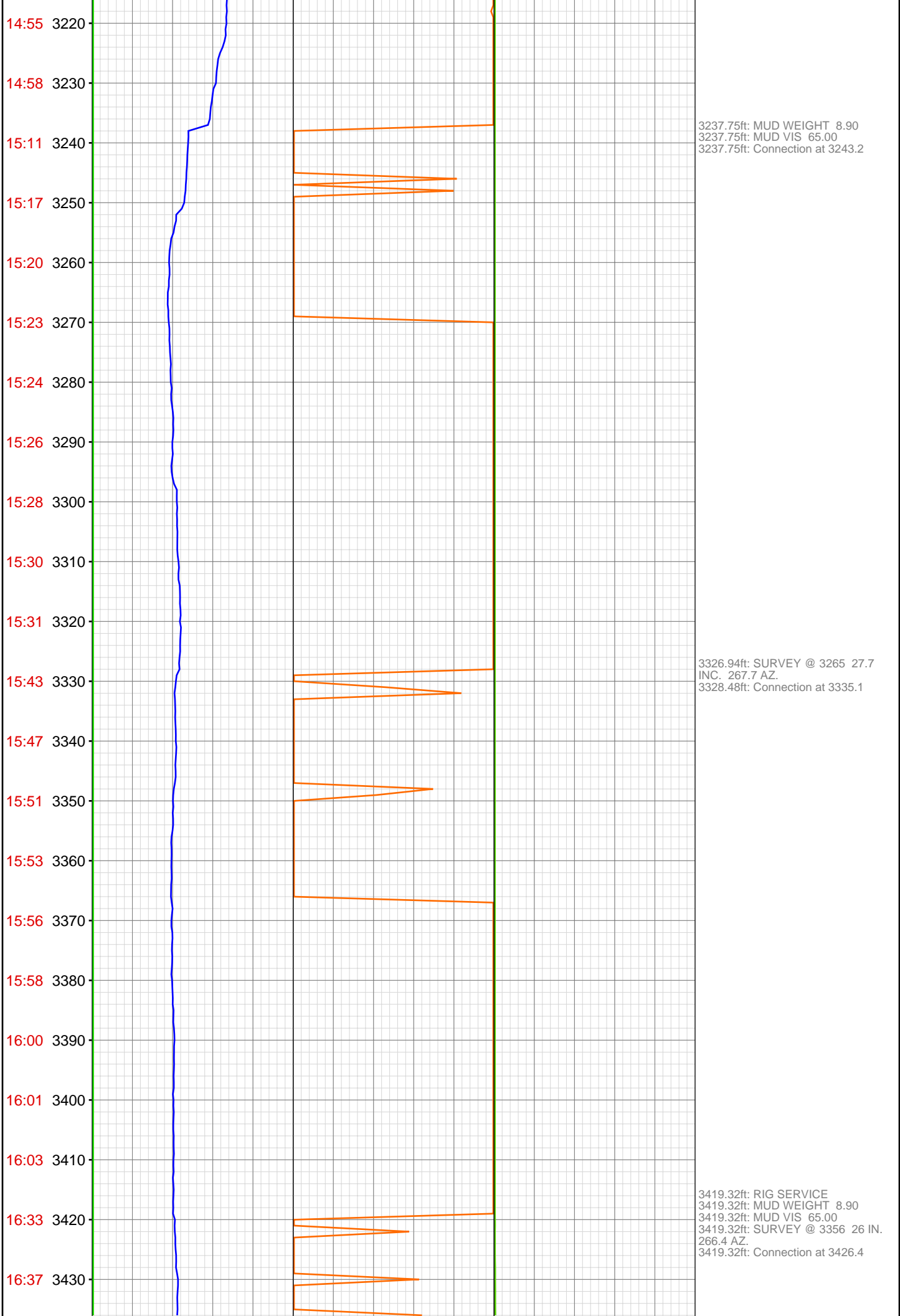


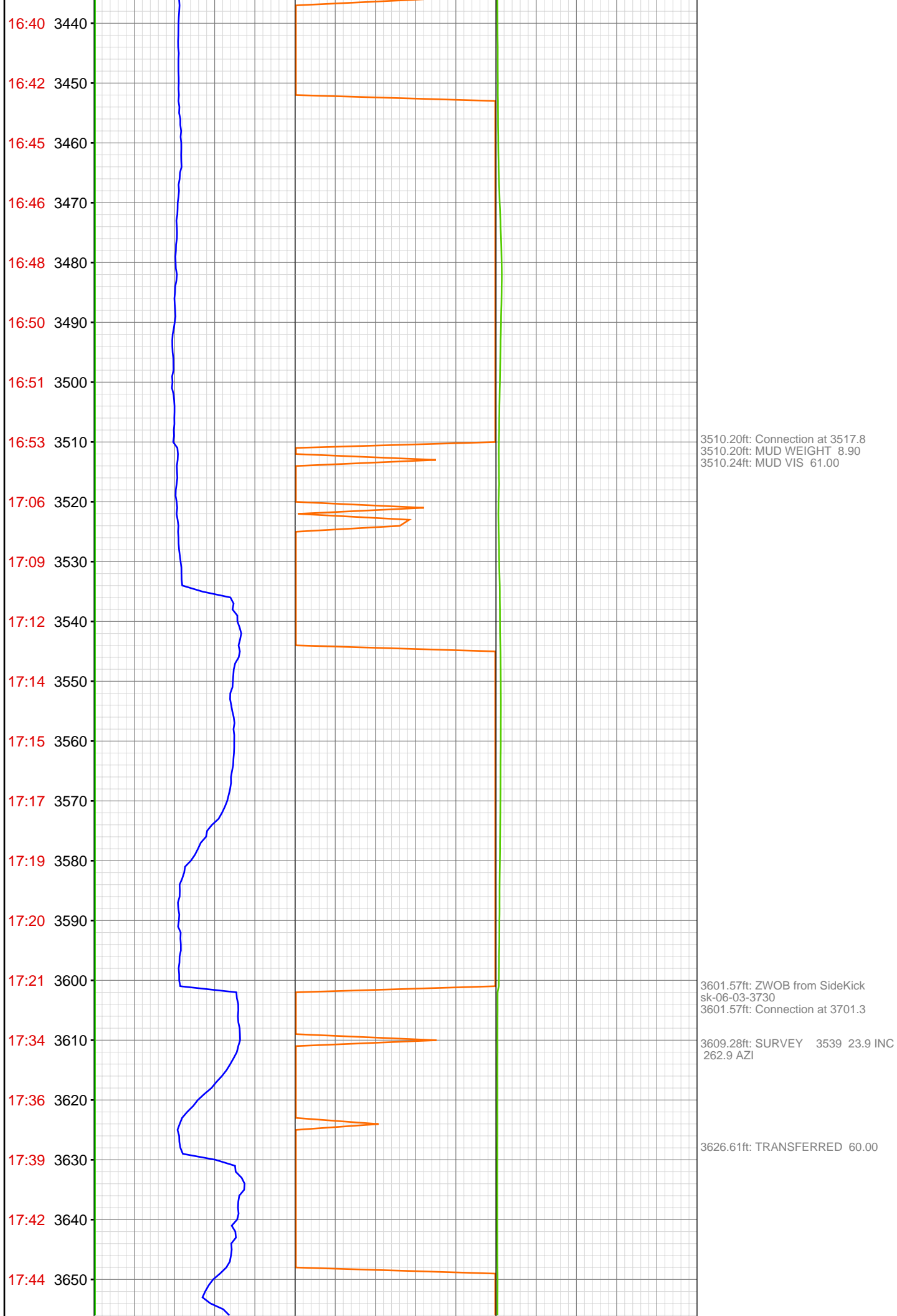




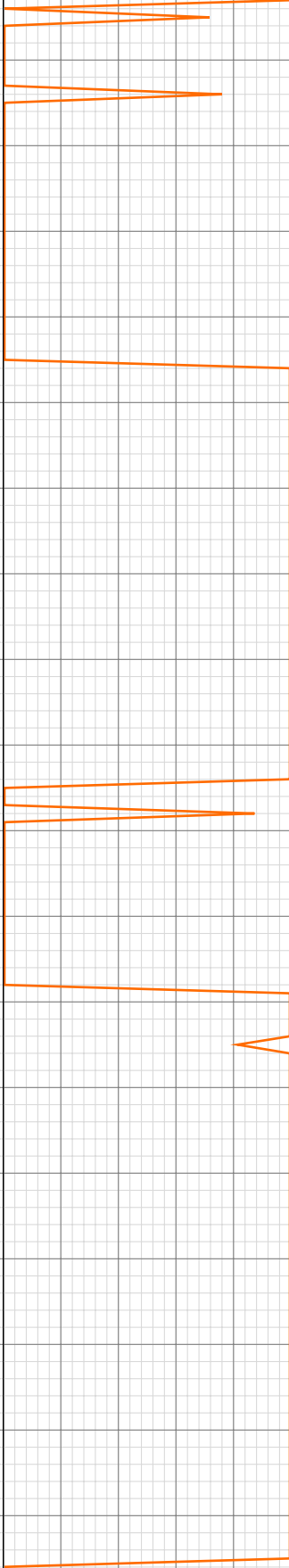








17:46 3660
17:47 3670
17:49 3680
17:51 3690
18:10 3700
18:14 3710
18:17 3720
18:20 3730
18:24 3740
18:26 3750
18:27 3760
18:29 3770
18:31 3780
18:45 3790
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19:00 3830
19:02 3840
19:03 3850
19:05 3860
19:07 3870

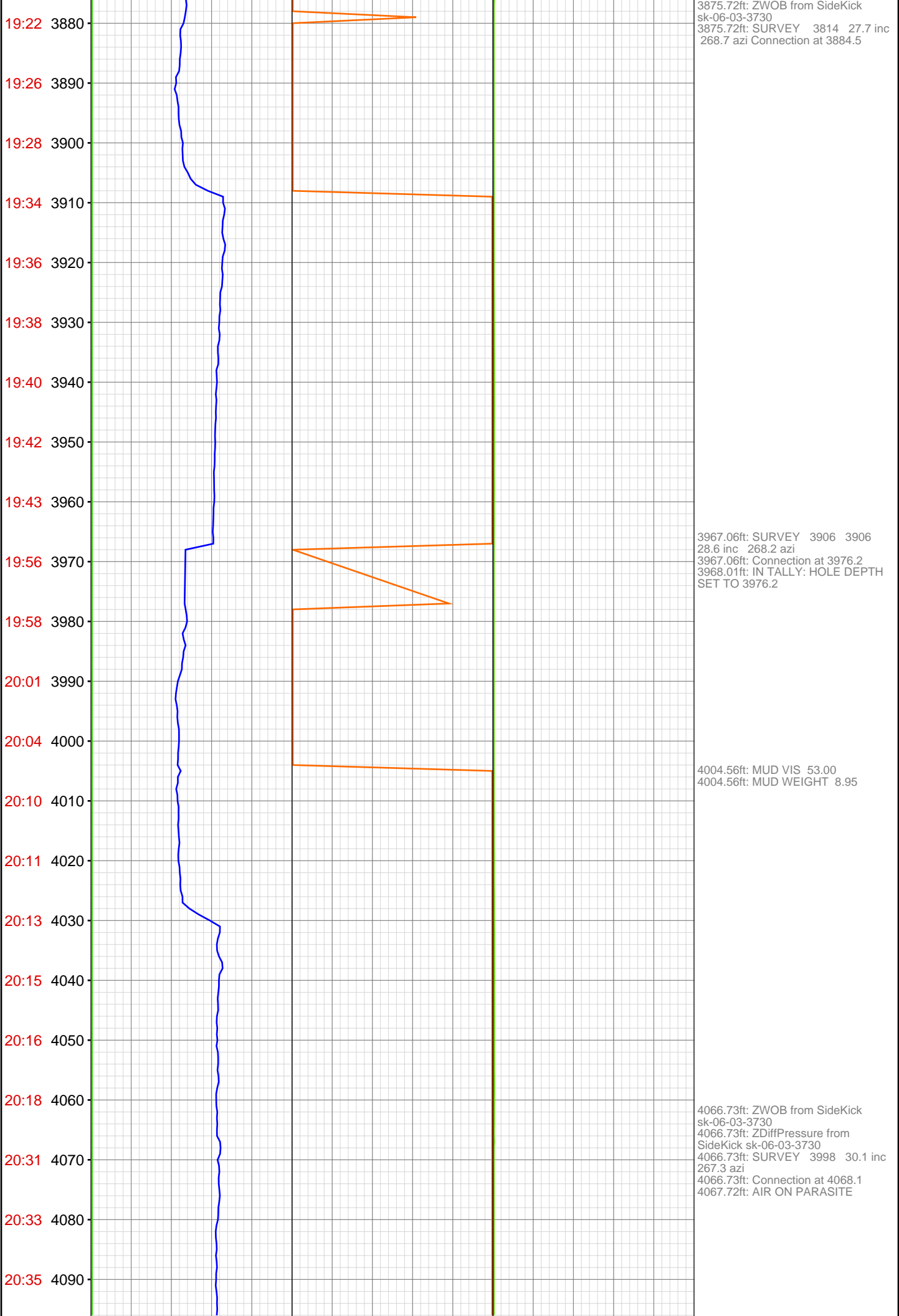


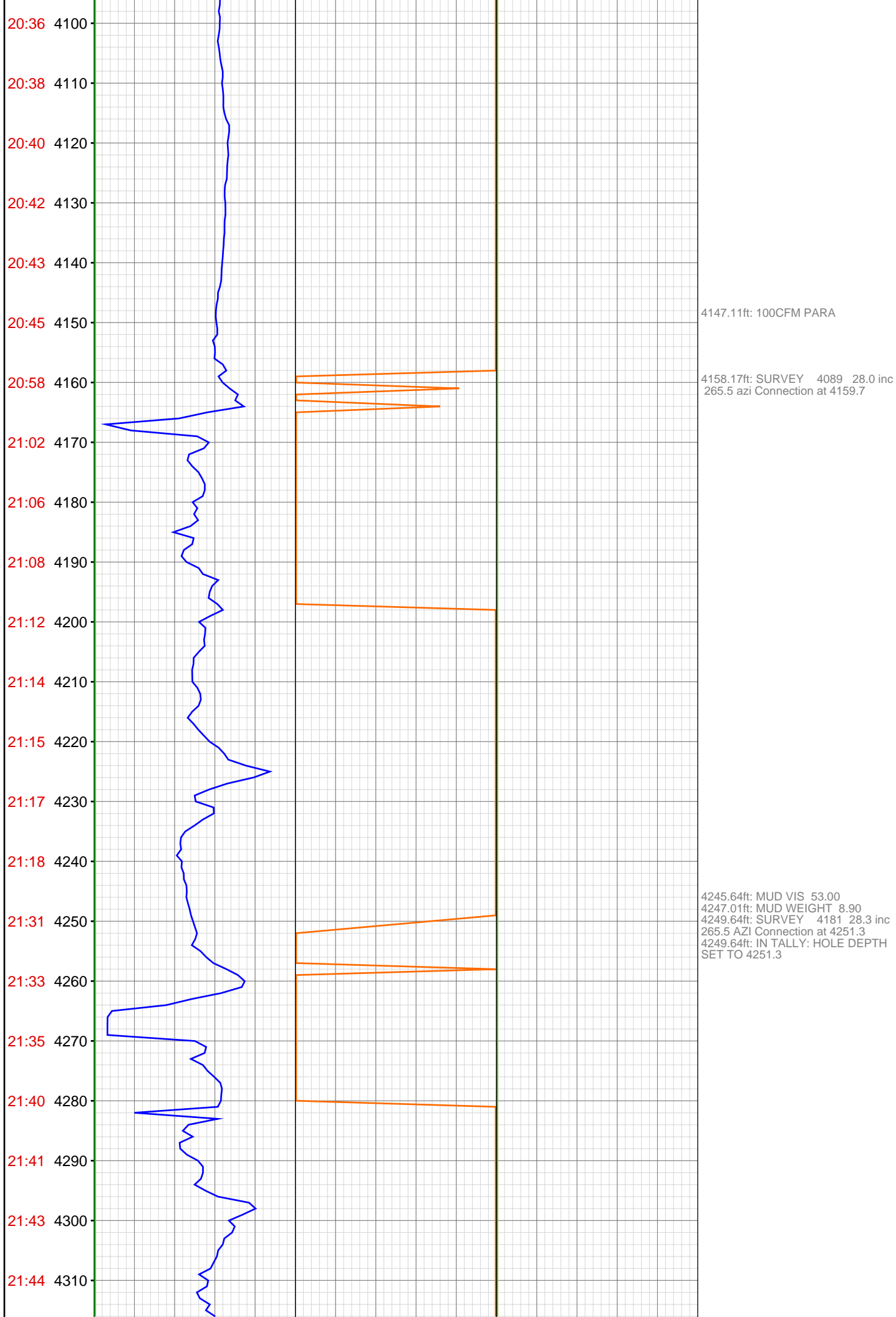
3693.04ft: ZWOB from SideKick
sk-06-03-3730
3693.04ft: ZDiffPressure from
SideKick sk-06-03-3730
3693.04ft: MUD VIS 54.00
3693.04ft: MUD WEIGHT 8.90
3693.04ft: SURVEY 3631 23.3 inc
264.7 azi
3693.04ft: Connection at 3701.3

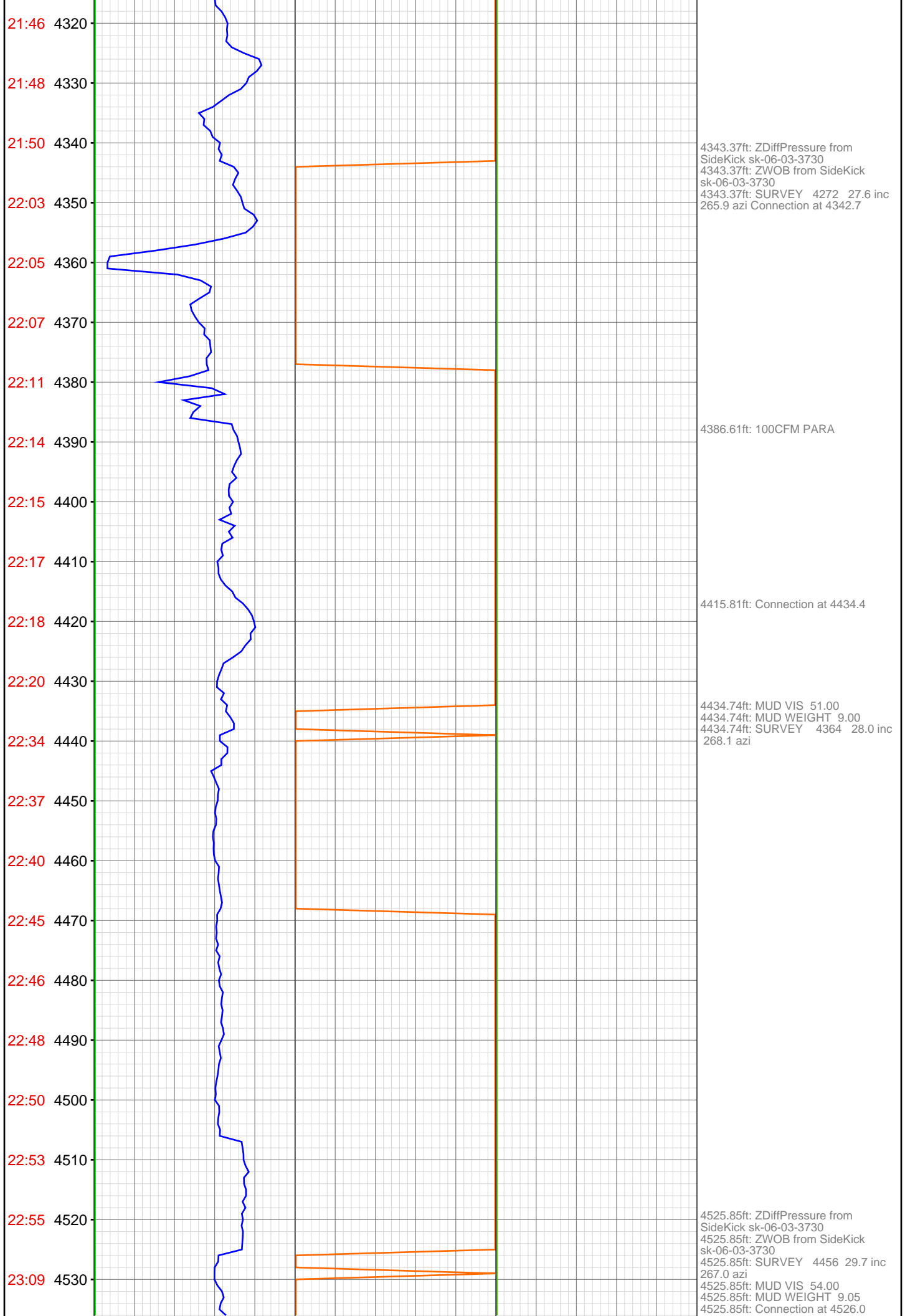
3784.61ft: SURVEY 3722 26.6 inc
269.1 azi
3784.61ft: Connection at 3792.9

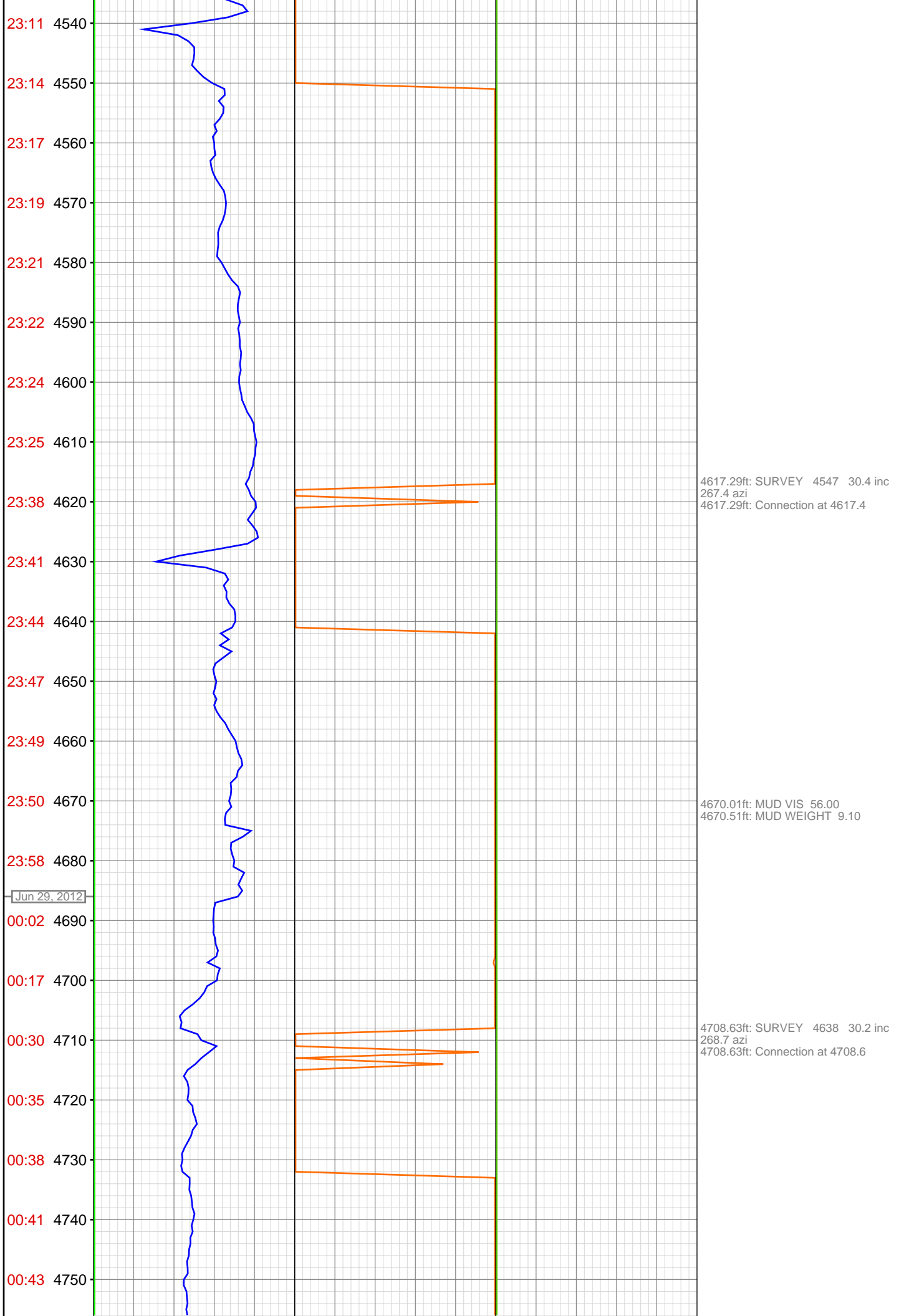
3860.01ft: MUD VIS 54.00
3860.99ft: MUD WEIGHT 8.90

3875.72ft: ZDiffPressure from
SideKick sk-06-03-3730

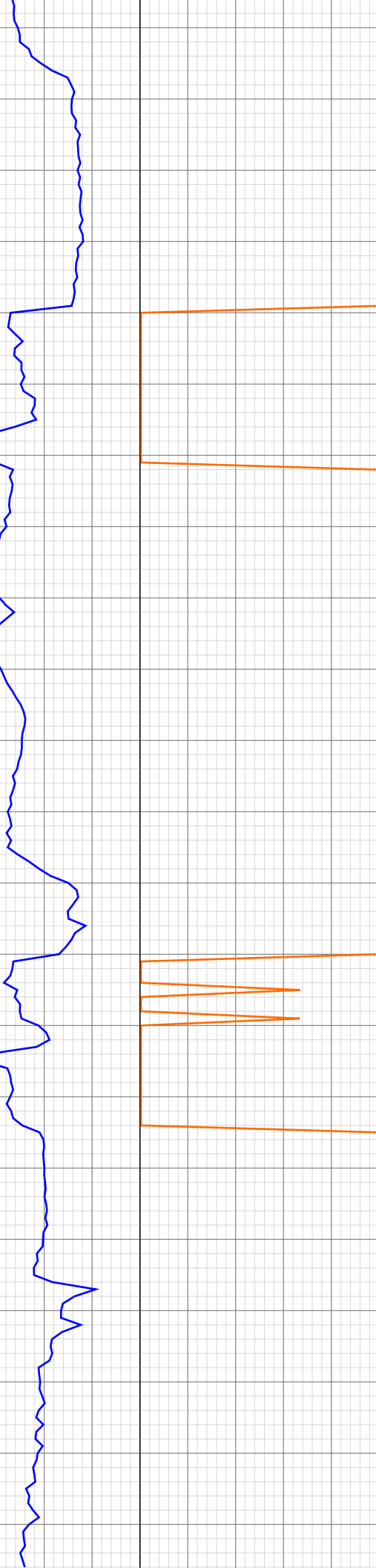








00:44 4760
00:46 4770
00:48 4780
00:50 4790
01:03 4800
01:06 4810
01:08 4820
01:11 4830
01:13 4840
01:14 4850
01:16 4860
01:17 4870
01:19 4880
01:32 4890
01:34 4900
01:38 4910
01:44 4920
01:46 4930
01:58 4940
02:21 4950
02:23 4960
02:28 4970

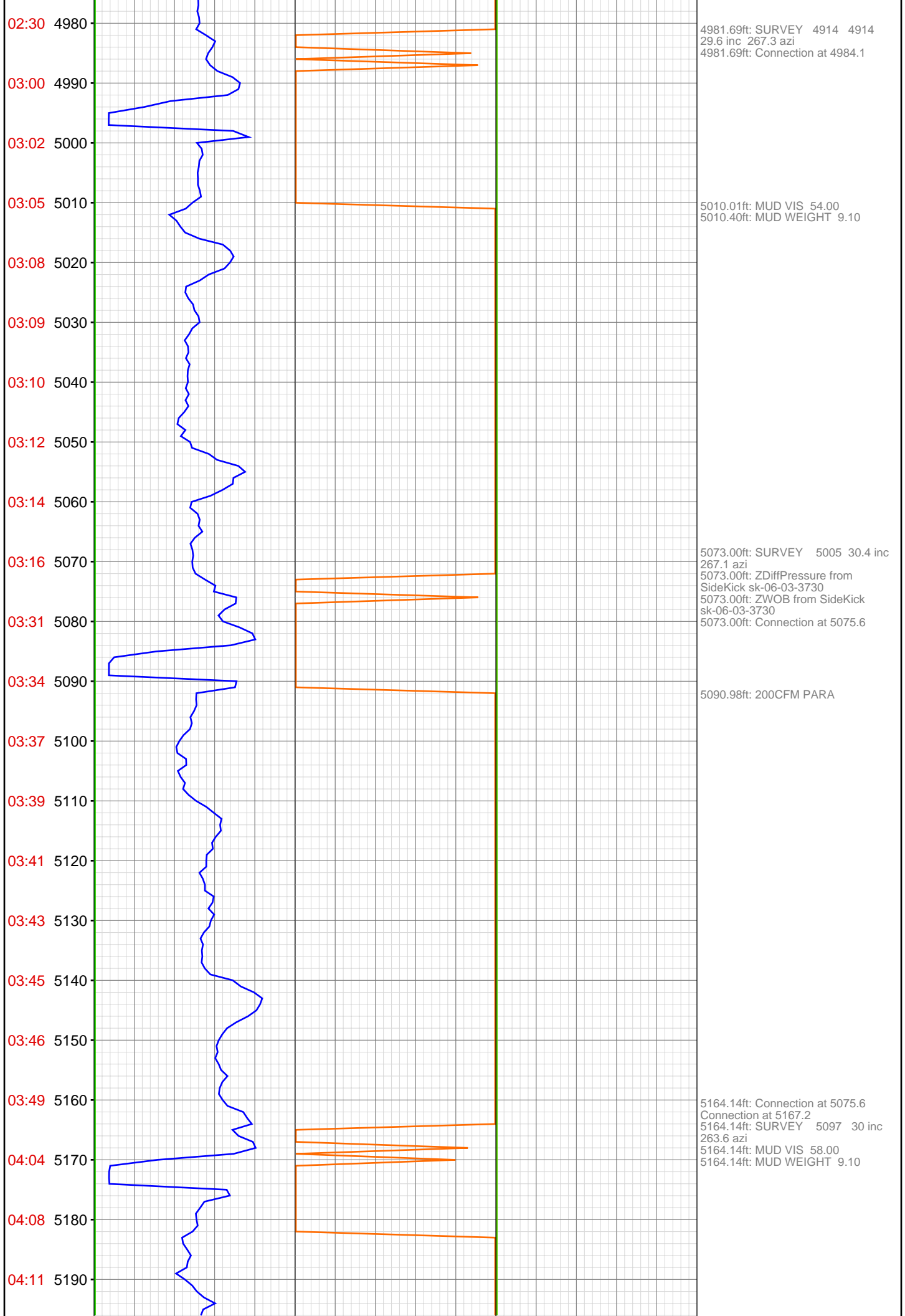


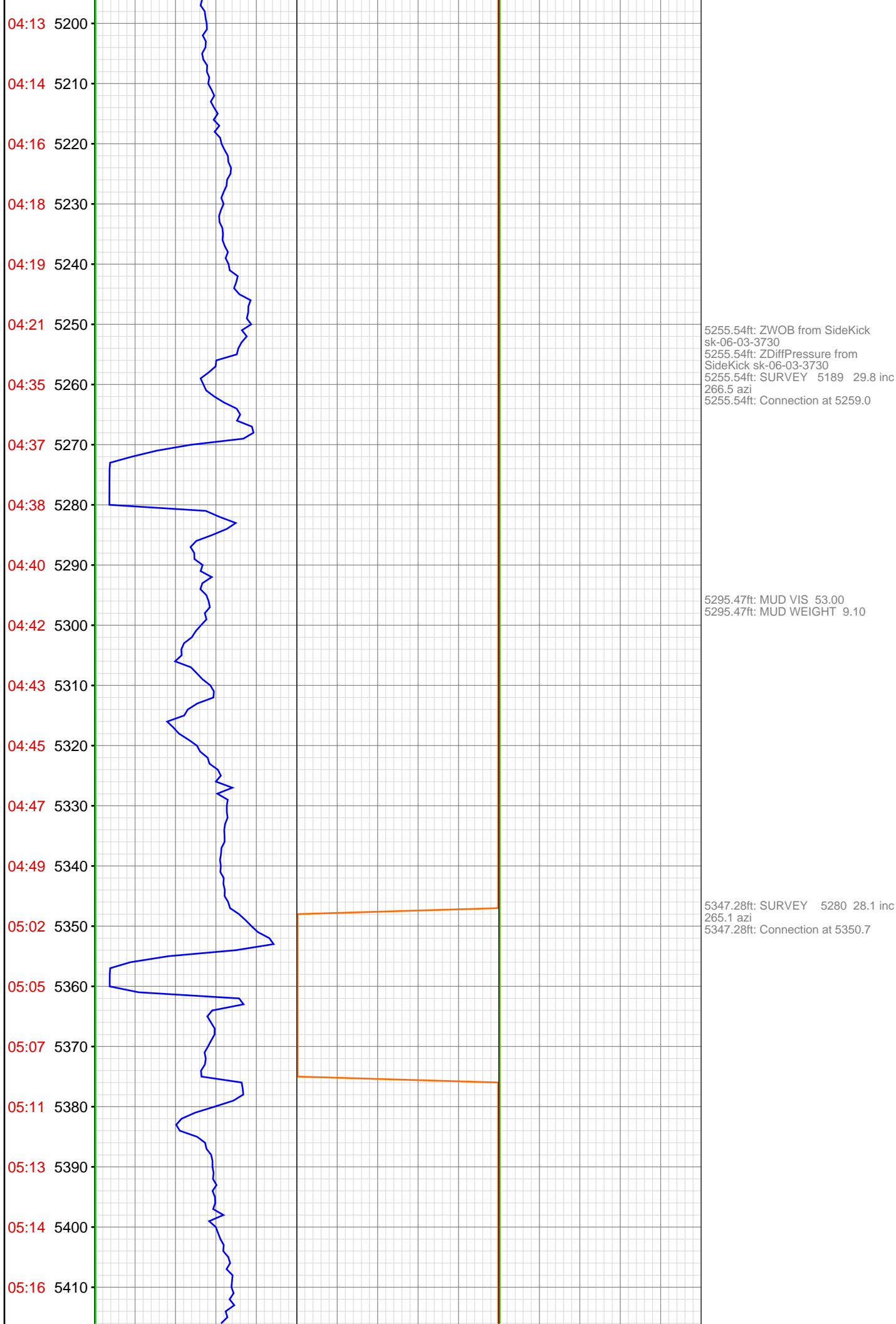
4799.44ft: SURVEY 4730 30.1 inc
270.2 azi
4799.44ft: ZDiffPressure from
SideKick sk-06-03-3730
4799.44ft: ZWOB from SideKick
sk-06-03-3730
4799.44ft: Connection at 4800.3
4804.99ft: MUD VIS 60.00
4804.99ft: MUD WEIGHT 9.10

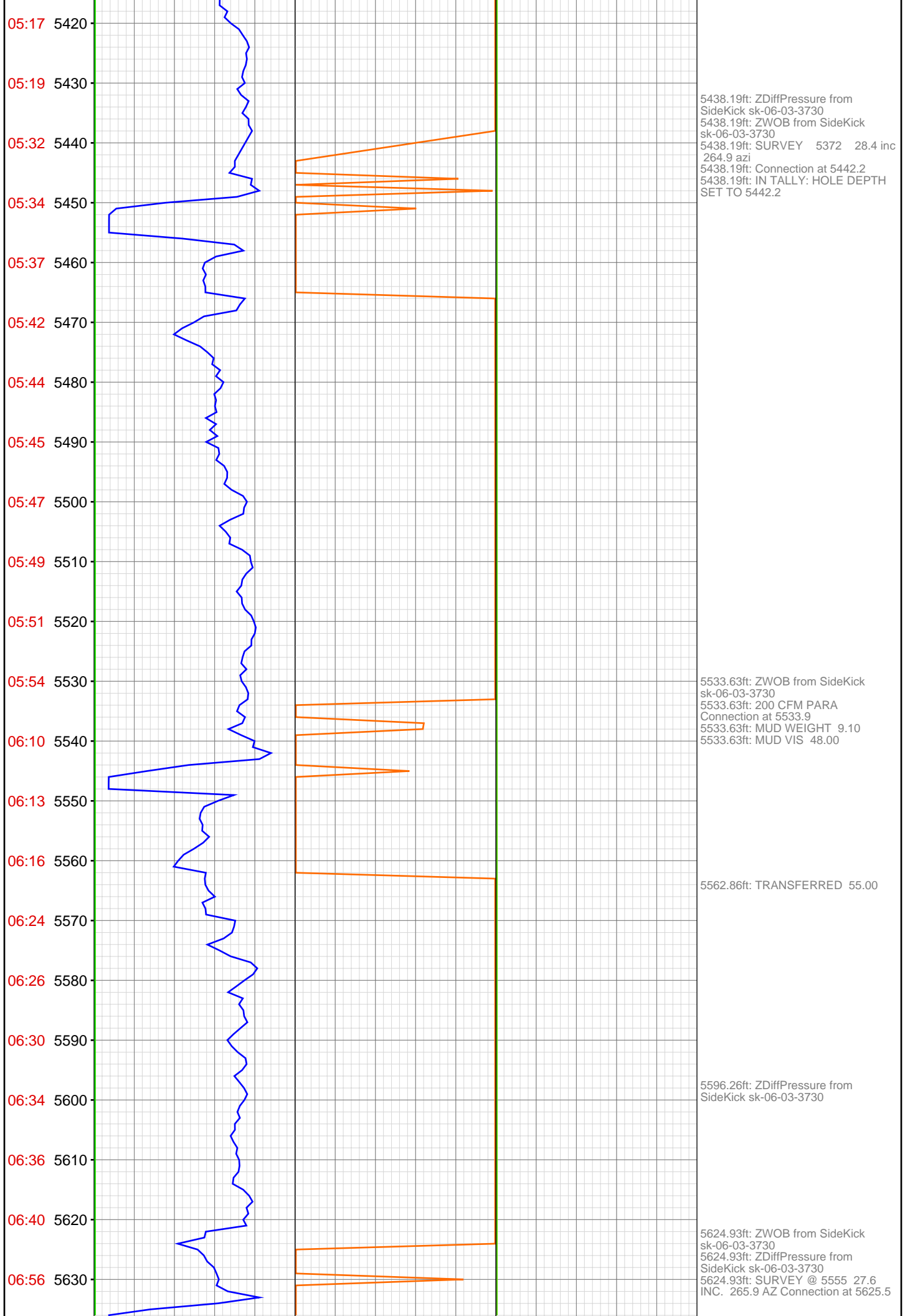
4890.98ft: SURVEY 4822 29.1 inc
267.2 azi
4890.98ft: Connection at 4892.1

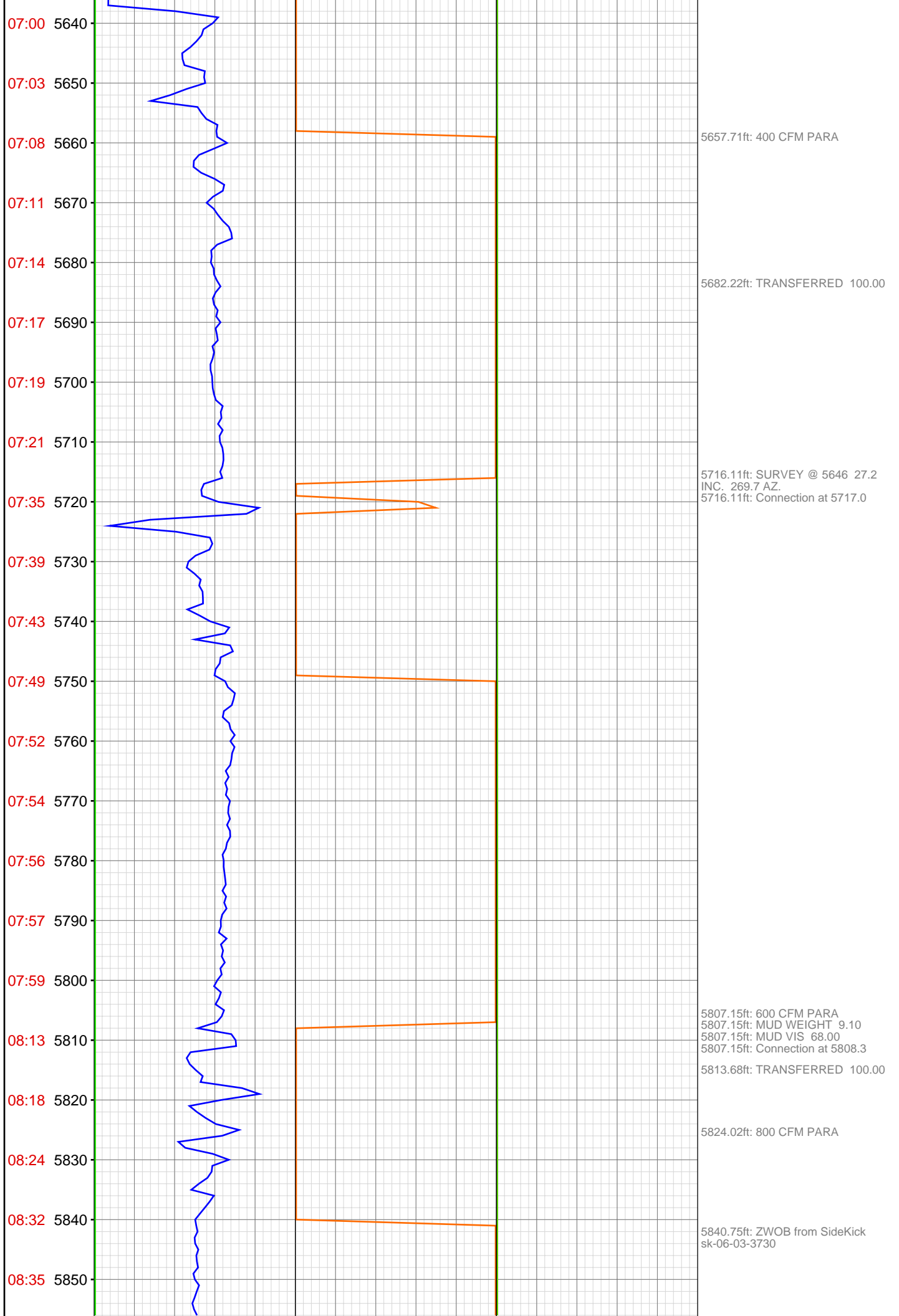
4914.53ft: ZWOB from SideKick
sk-06-03-3730
4914.53ft: ZDiffPressure from
SideKick sk-06-03-3730

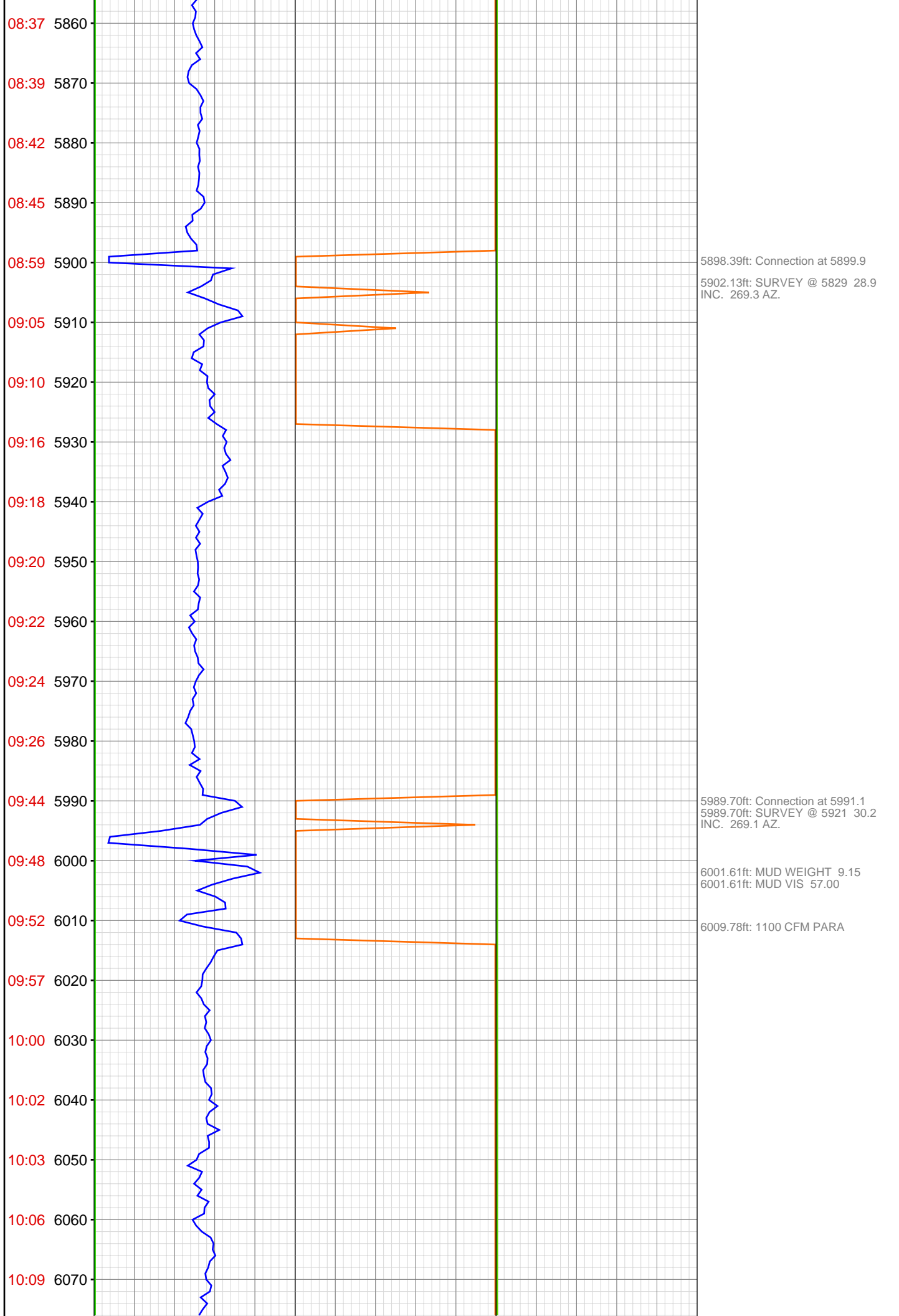
4941.83ft: MUD VIS 54.00
4941.83ft: MUD WEIGHT 9.10
4941.83ft: 100CFM PARA

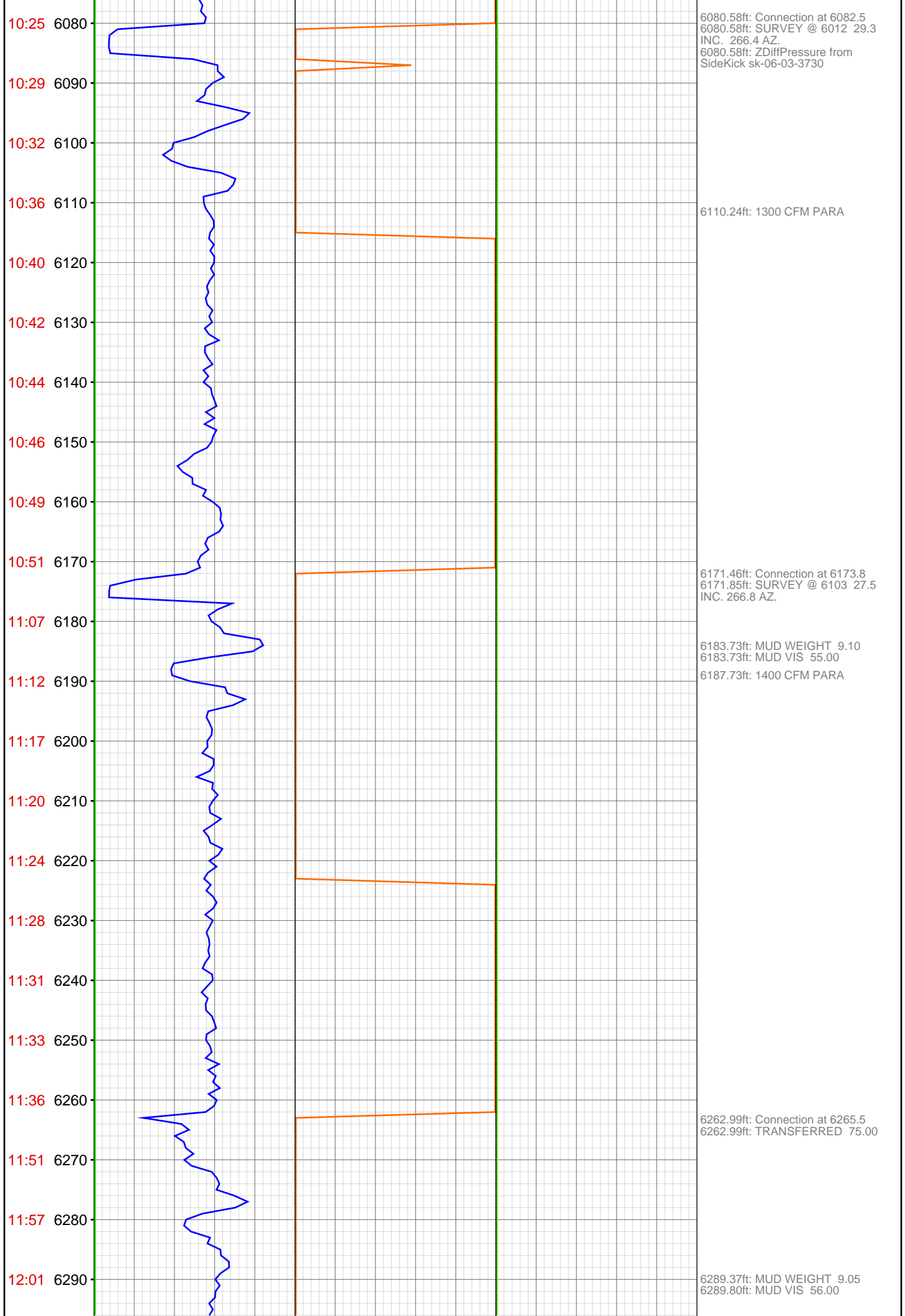


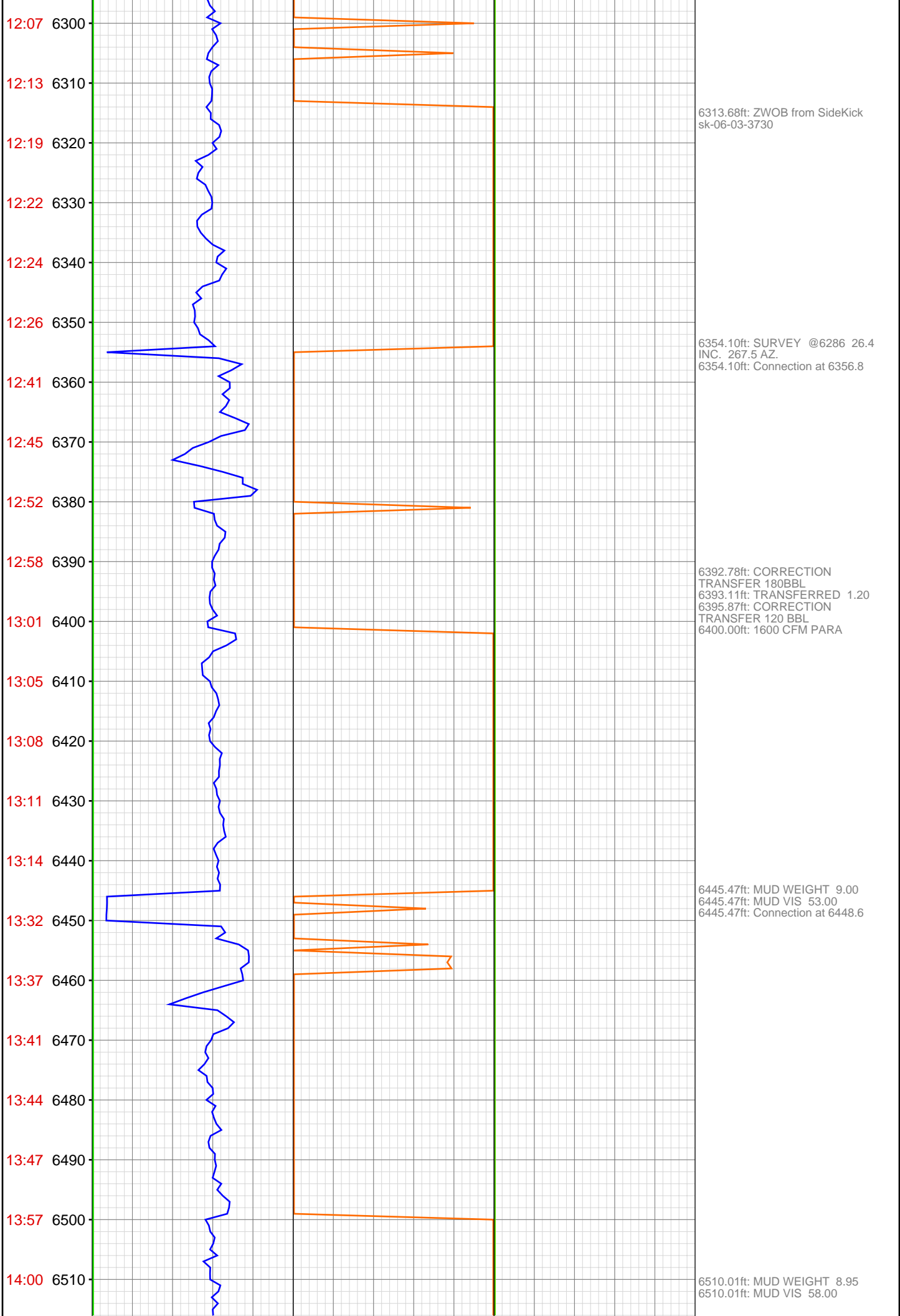


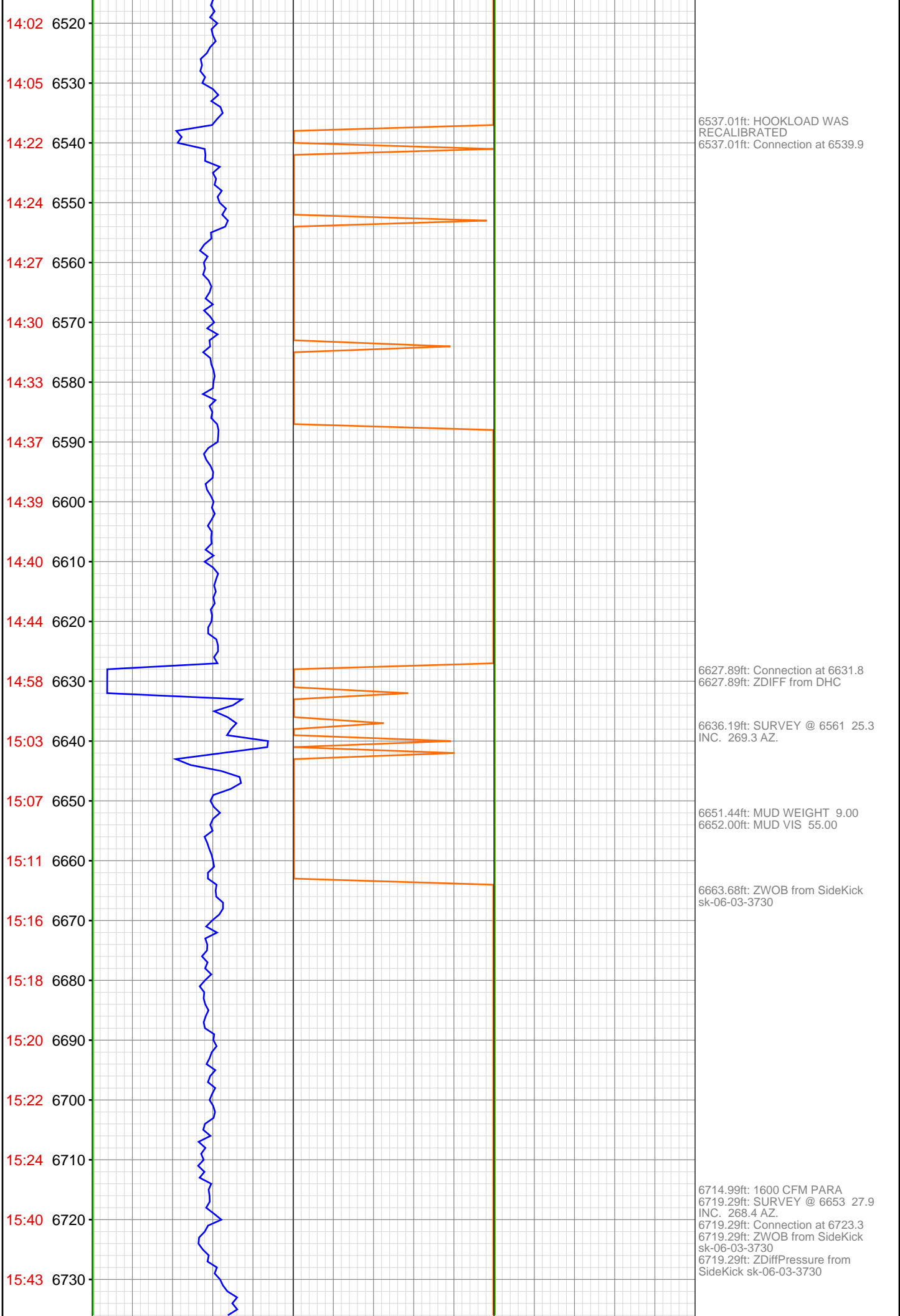


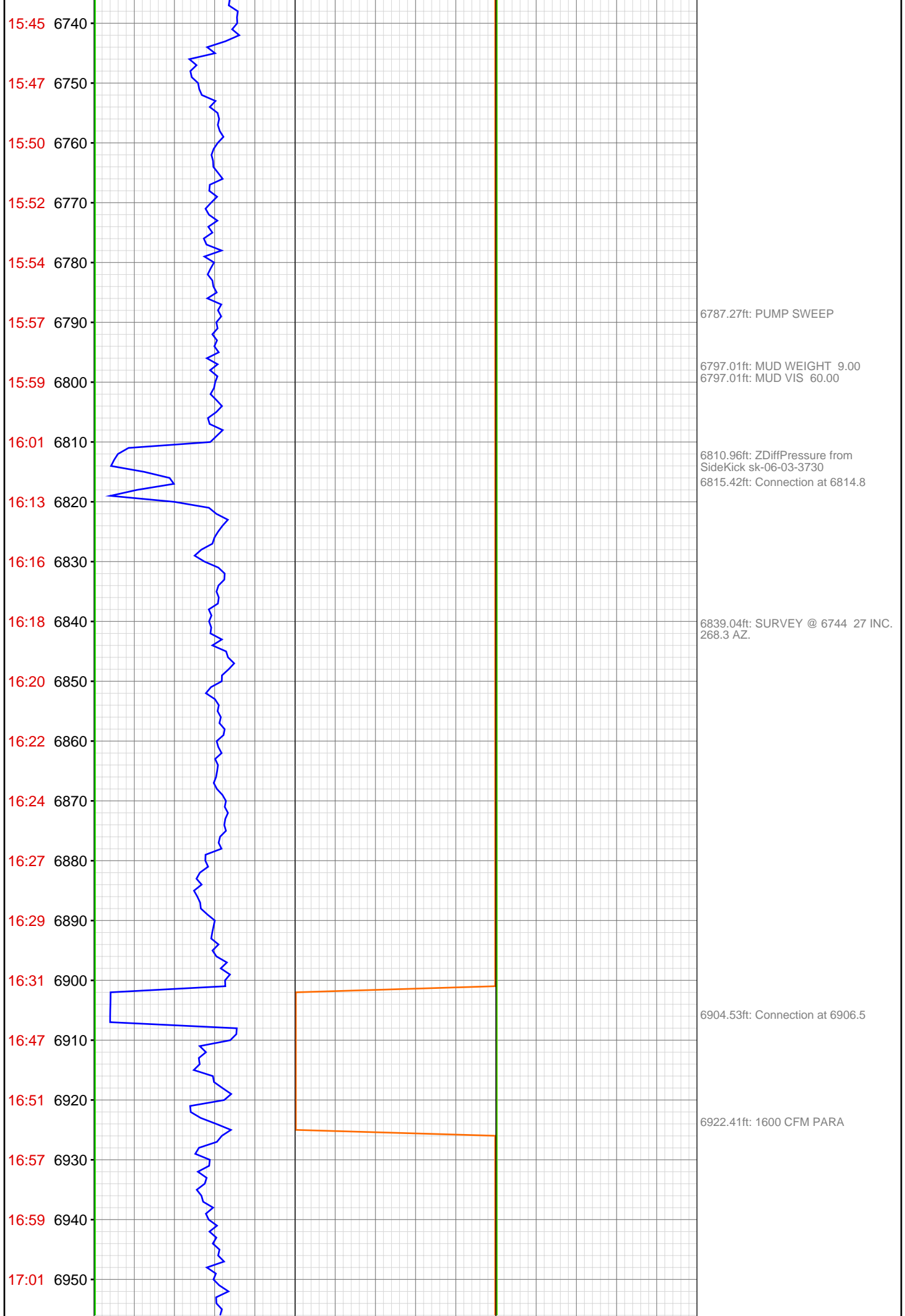












17:03 6960
17:04 6970
17:07 6980
17:09 6990
17:23 7000
17:28 7010
17:30 7020
17:32 7030
17:34 7040
17:36 7050
17:39 7060
17:41 7070
17:44 7080
18:02 7090
18:04 7100
18:06 7110
18:08 7120
18:10 7130
18:13 7140
18:15 7150
18:41 7160
18:43 7170



6973.36ft: MUD WEIGHT 9.10
6973.36ft: MUD VIS 69.00

6993.18ft: Connection at 6998.2
6993.18ft: ZWOB from SideKick
sk-06-03-3730
6993.18ft: ZDiffPressure from
SideKick sk-06-03-3730

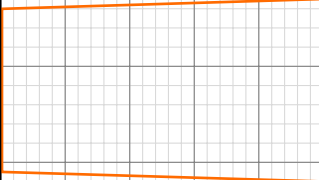
7007.94ft: ZDiffPressure from
SideKick sk-06-03-3730

7071.13ft: 1600 CFM PARA

7084.65ft: ZDiffPressure from
SideKick sk-06-03-3730
7084.65ft: ZWOB from SideKick
sk-06-03-3730
7084.65ft: SURVEY 7019 21.5 inc
269.5 azi
7084.65ft: Connection at 7089.9
7086.71ft: MUD VIS 63.00
7086.71ft: MUD WEIGHT 9.10

7175.95ft: SURVEY 7111 19.9 inc
267.5 azi

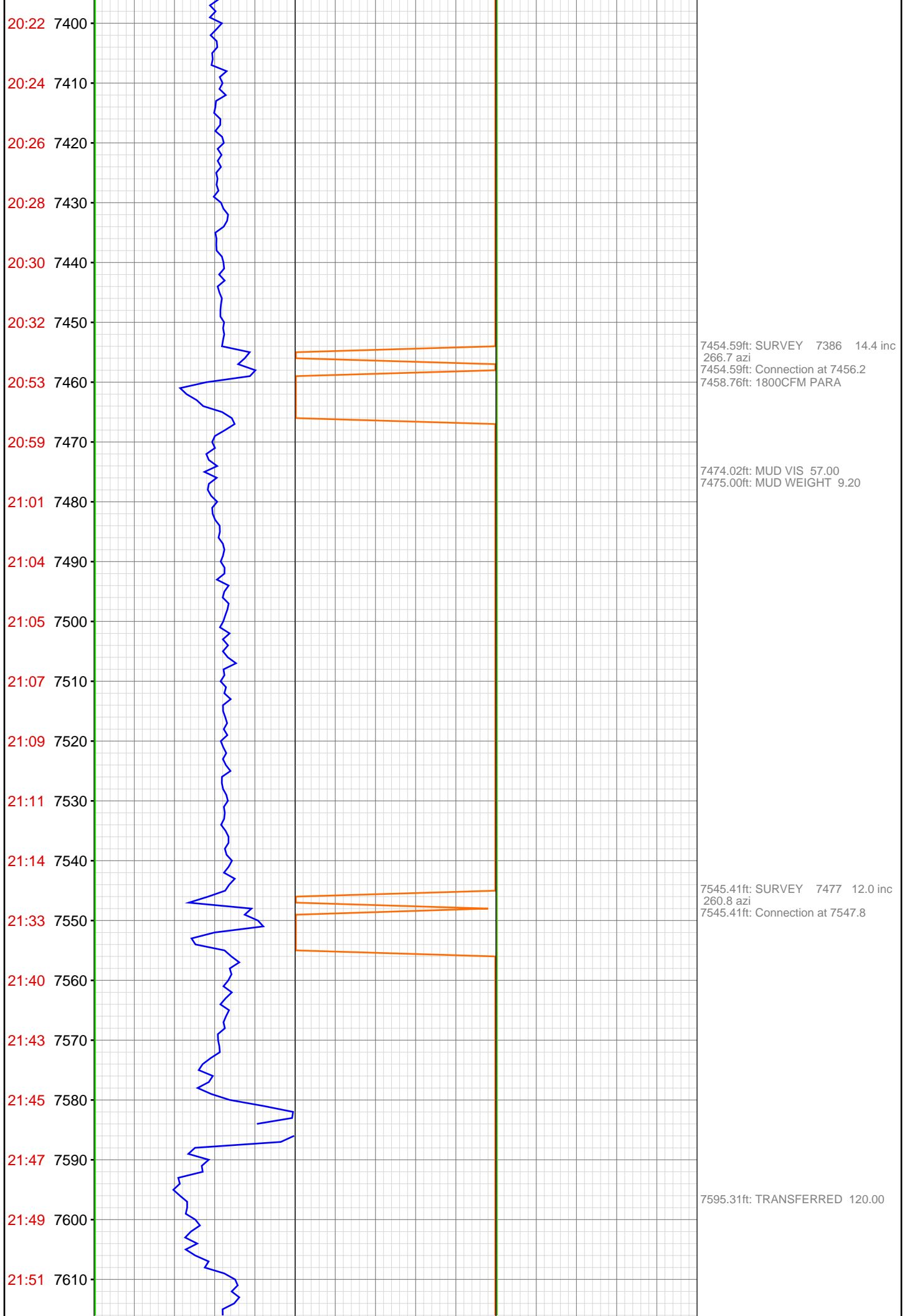
19:04 7180
19:06 7190
19:08 7200
19:10 7210
19:13 7220
19:15 7230
19:17 7240
19:20 7250
19:21 7260
19:35 7270
19:36 7280
19:38 7290
19:40 7300
19:42 7310
19:44 7320
19:46 7330
19:48 7340
19:50 7350
19:53 7360
20:12 7370
20:17 7380
20:21 7390



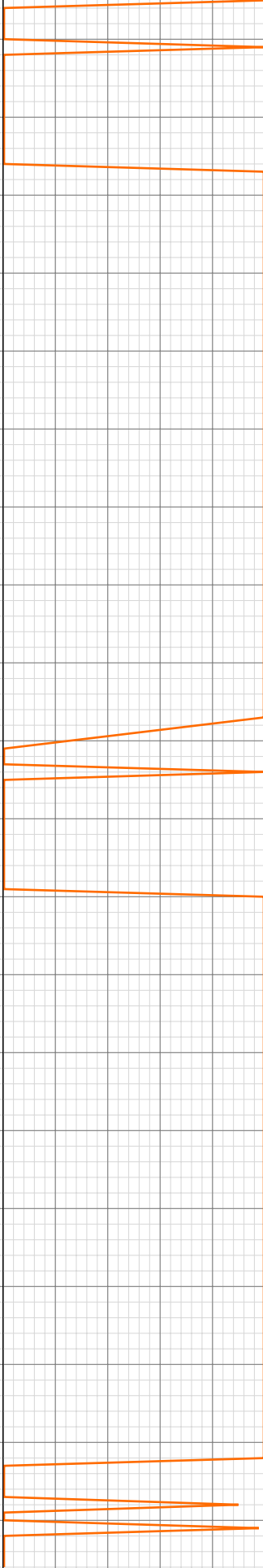
7175.95ft: MUD VIS 61.00
7175.95ft: MUD WEIGHT 9.10
7175.95ft: Connection at 7181.4

7267.29ft: SURVEY 7203 18.4 inc
266 azi Connection at 7273.1
7268.34ft: IN TALLY: HOLE DEPTH
SET TO 7273.1

7363.45ft: ZWOB from SideKick
sk-06-03-3730
7363.45ft: ZDiffPressure from
SideKick sk-06-03-3730
7363.45ft: MUD VIS 58.00
7363.45ft: MUD WEIGHT 9.10
7363.45ft: Connection at 7364.6
7363.45ft: SURVEY 7294 16.9 inc
267.3 azi



21:52 7620
21:54 7630
22:17 7640
22:21 7650
22:26 7660
22:28 7670
22:30 7680
22:32 7690
22:34 7700
22:37 7710
22:38 7720
22:54 7730
23:01 7740
23:06 7750
23:08 7760
23:09 7770
23:11 7780
23:13 7790
23:14 7800
23:16 7810
23:18 7820
23:40 7830



7635.99ft: SURVEY 7569 10.2 inc
262.9 azi
7635.99ft: Connection at 7639.0
7635.99ft: TRANSFER COMP.
7636.16ft: 1800CFM PARA
7640.12ft: MUD VIS 61.00
7640.12ft: MUD WEIGHT 9.10

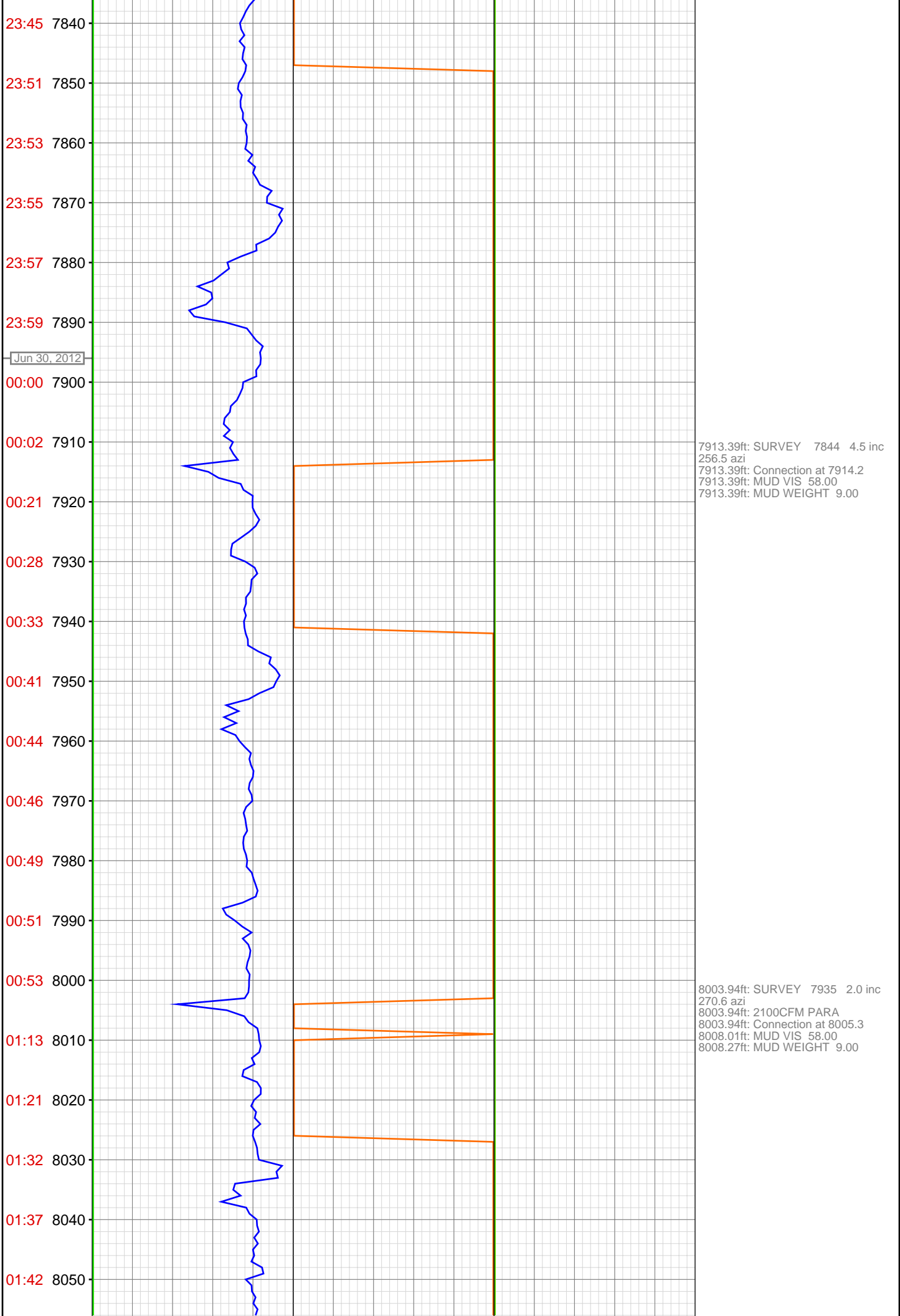
7656.73ft: ZWOB from SideKick
sk-06-03-3730

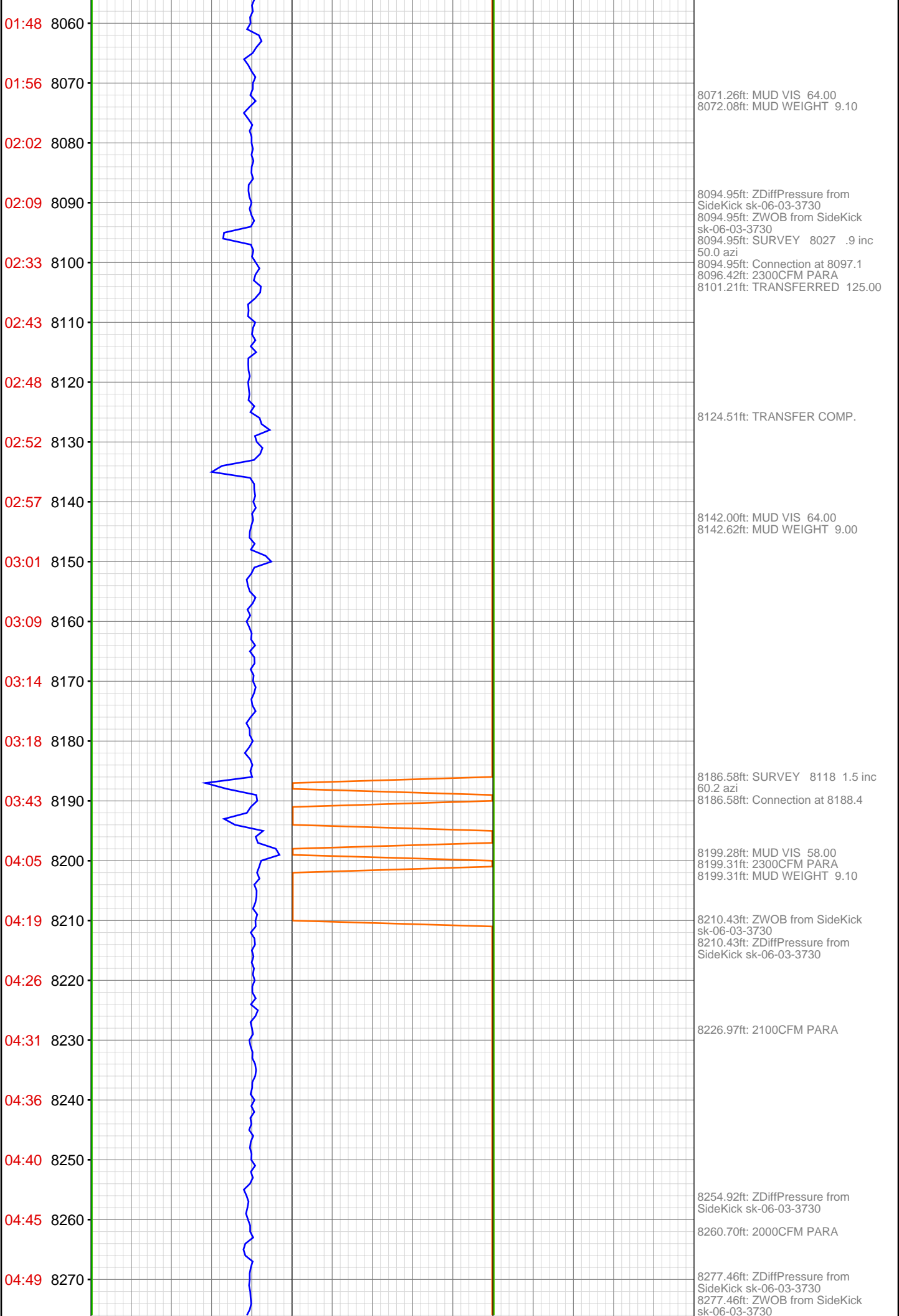
7706.40ft: 2000CFM PARA

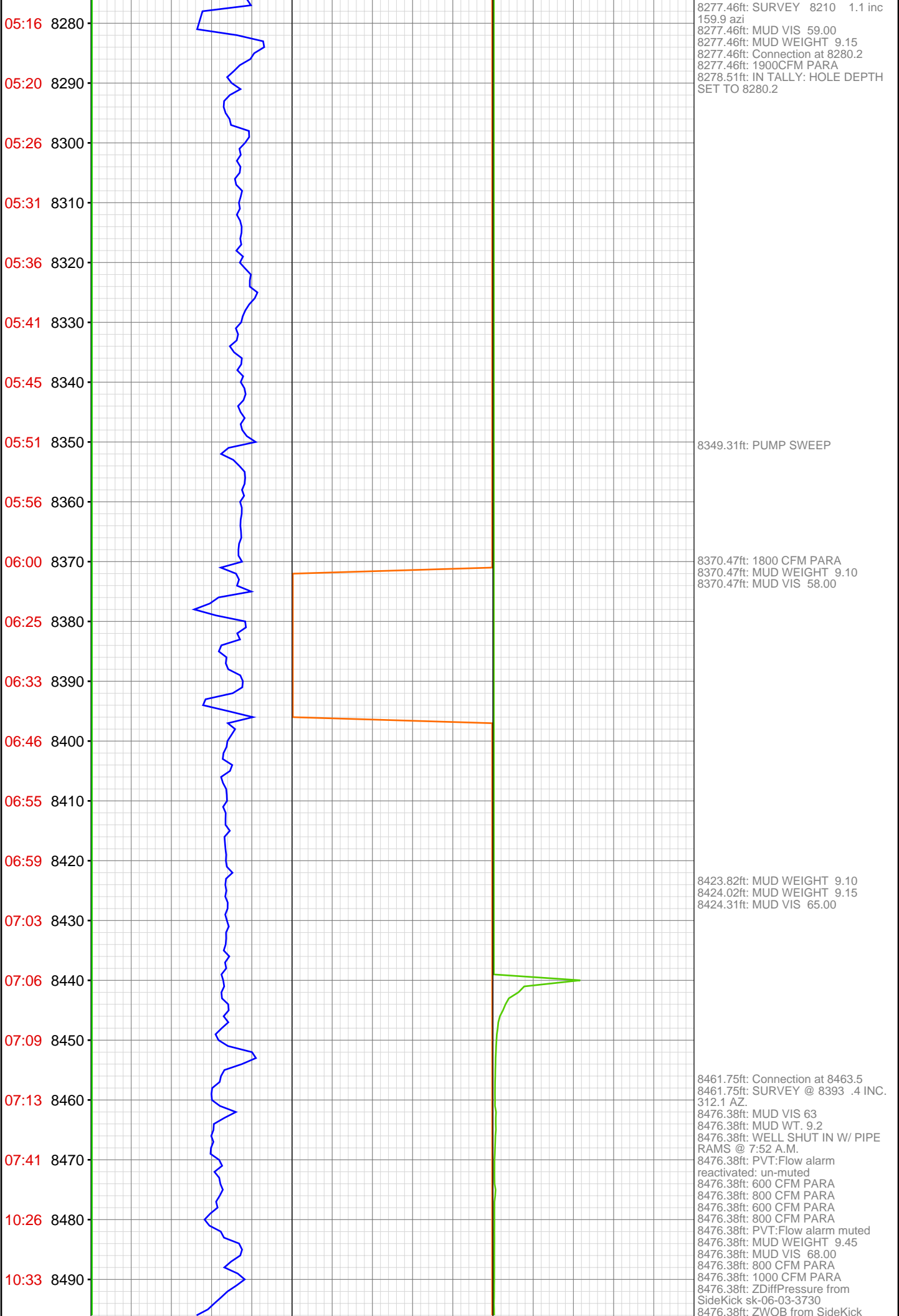
7727.07ft: SURVEY 7660 7.9 inc
251.4 azi
7727.07ft: Connection at 7730.6
7727.07ft: IN TALLY: HOLE DEPTH
SET TO 7730.6

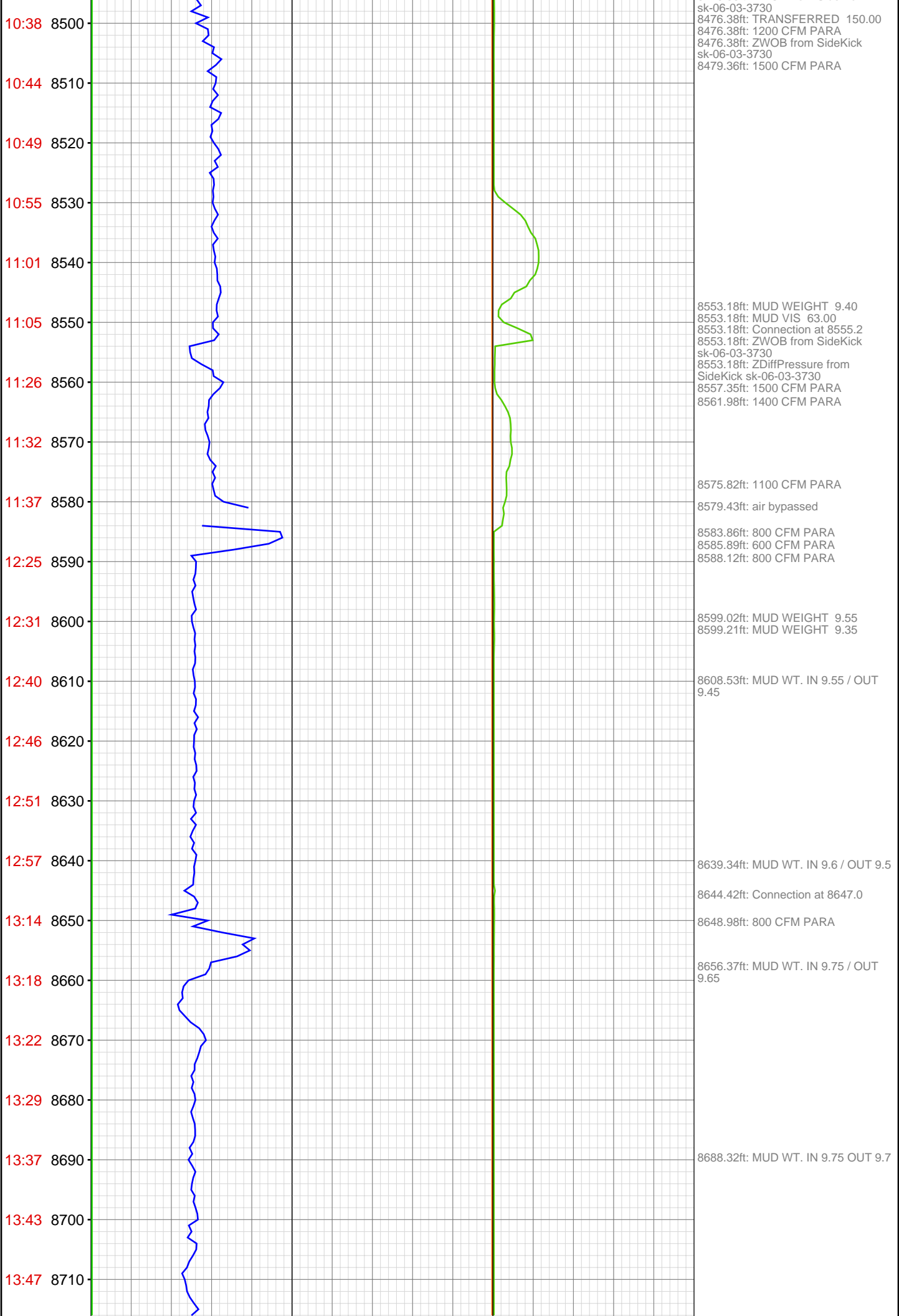
7768.11ft: MUD VIS 56.00
7769.00ft: MUD WEIGHT 9.10

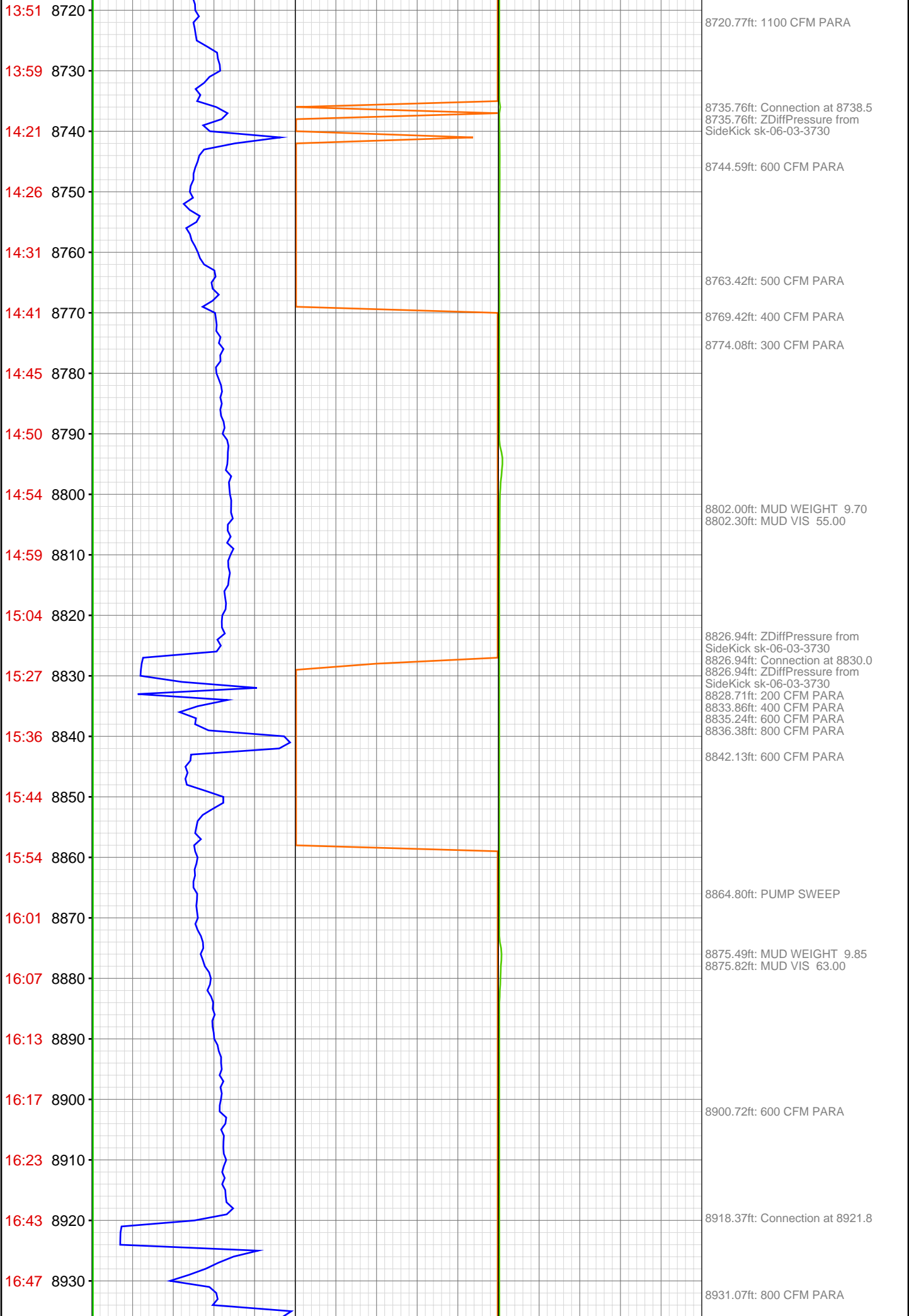
7822.51ft: ZWOB from SideKick
sk-06-03-3730
7822.51ft: ZDiffPressure from
SideKick sk-06-03-3730
7822.51ft: SURVEY 7752 6.1 inc
249.6 azi
7822.51ft: Connection at 7822.4

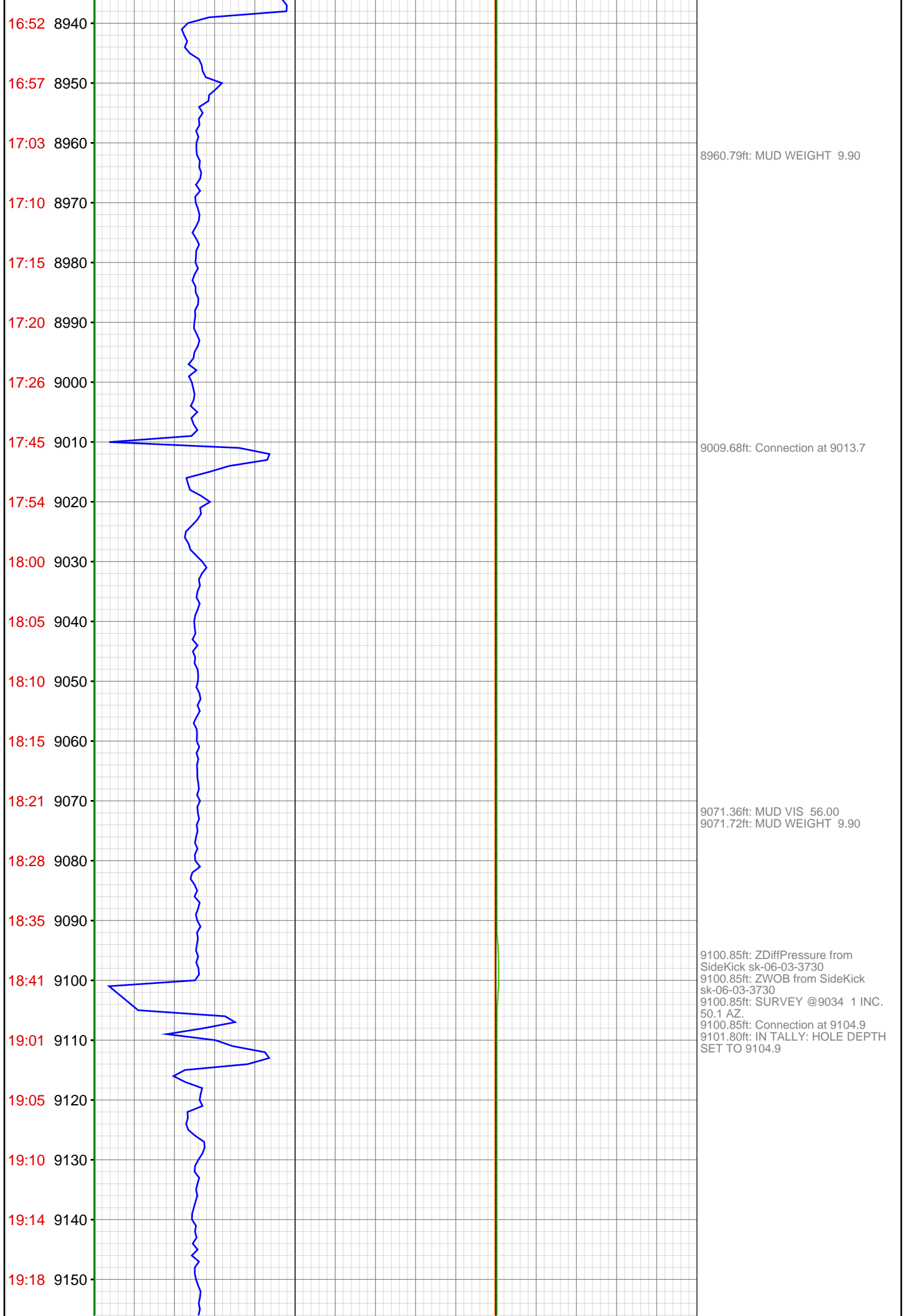




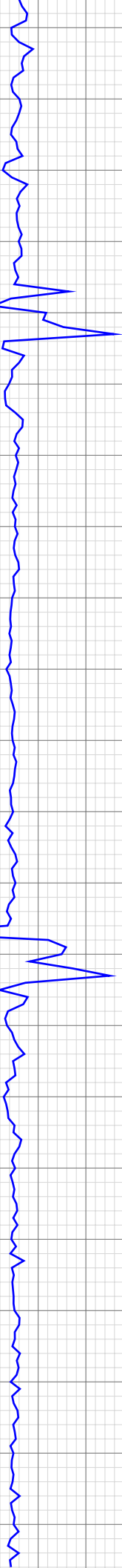








19:23 9160
19:27 9170
19:32 9180
19:38 9190
20:02 9200
20:07 9210
20:13 9220
20:17 9230
20:22 9240
20:26 9250
20:30 9260
20:34 9270
20:42 9280
21:05 9290
21:11 9300
21:17 9310
21:22 9320
21:27 9330
21:32 9340
21:38 9350
21:45 9360
21:50 9370



9182.74ft: MUD VIS 59.00
9183.01ft: MUD WEIGHT 10.00

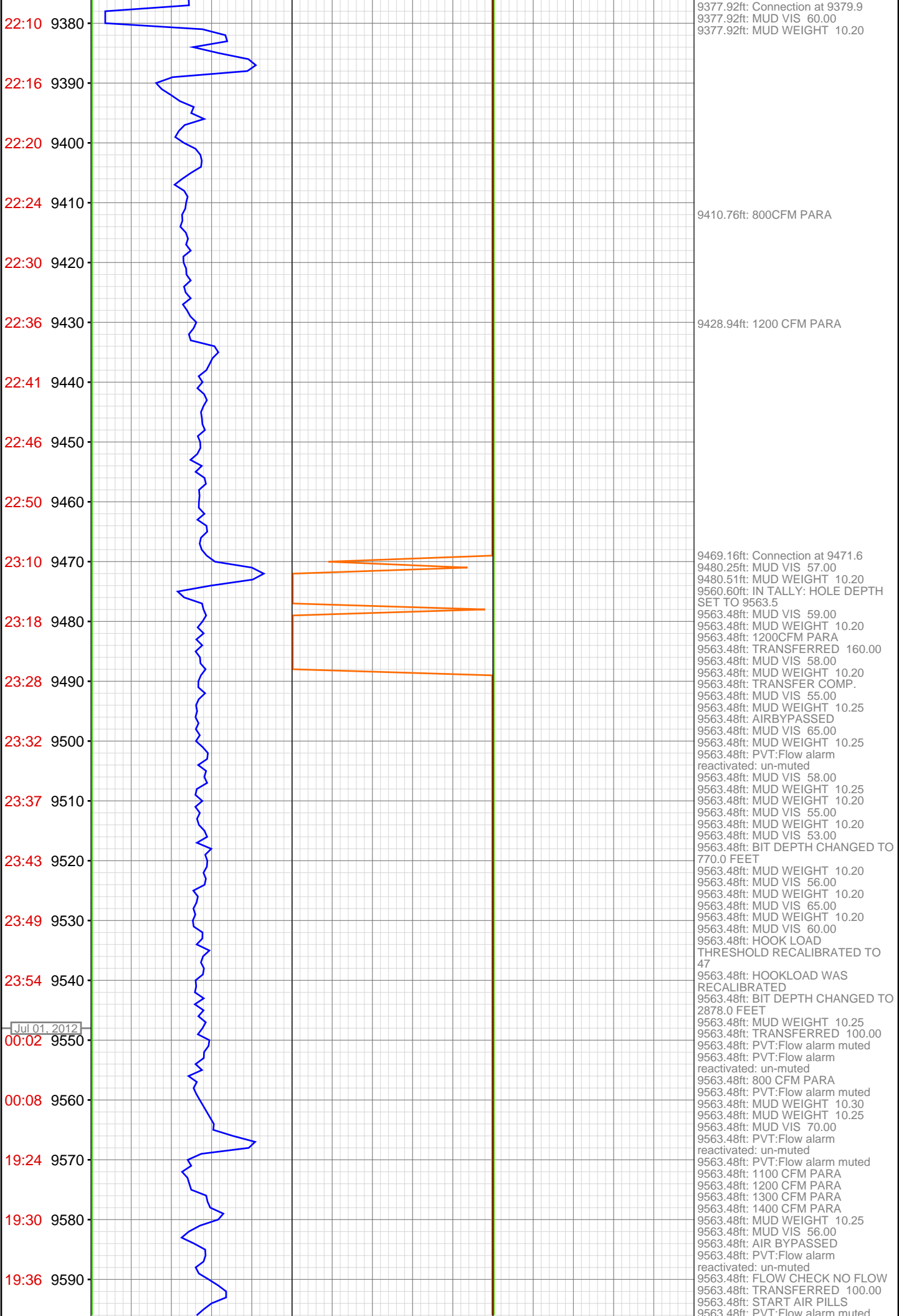
9195.18ft: SURVEY @ 9126 .3 INC.
29.6 AZ.
9195.18ft: Connection at 9196.5

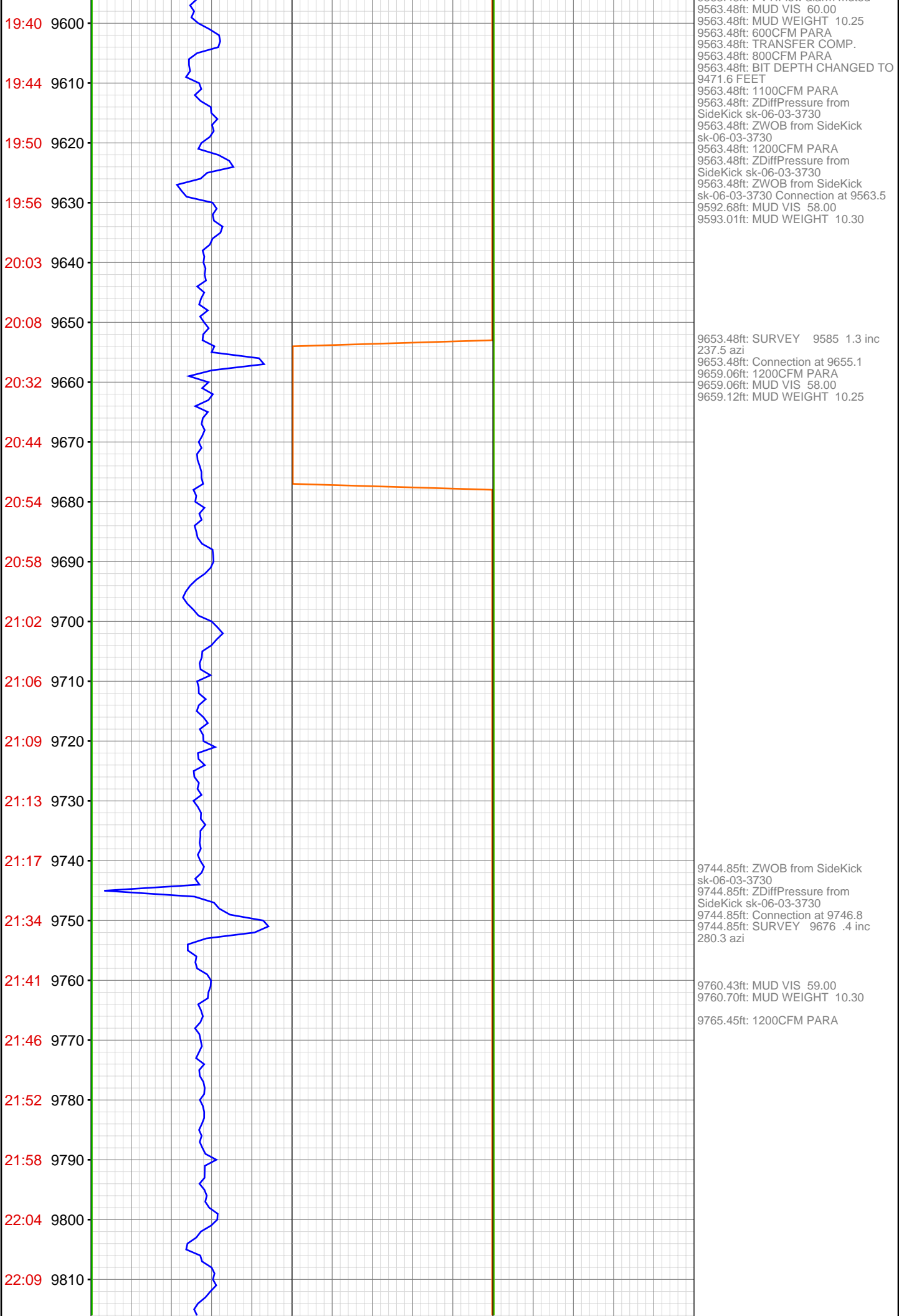
9237.01ft: MUD VIS 59.00
9237.30ft: MUD WEIGHT 10.15
9240.45ft: 800CFM PARA

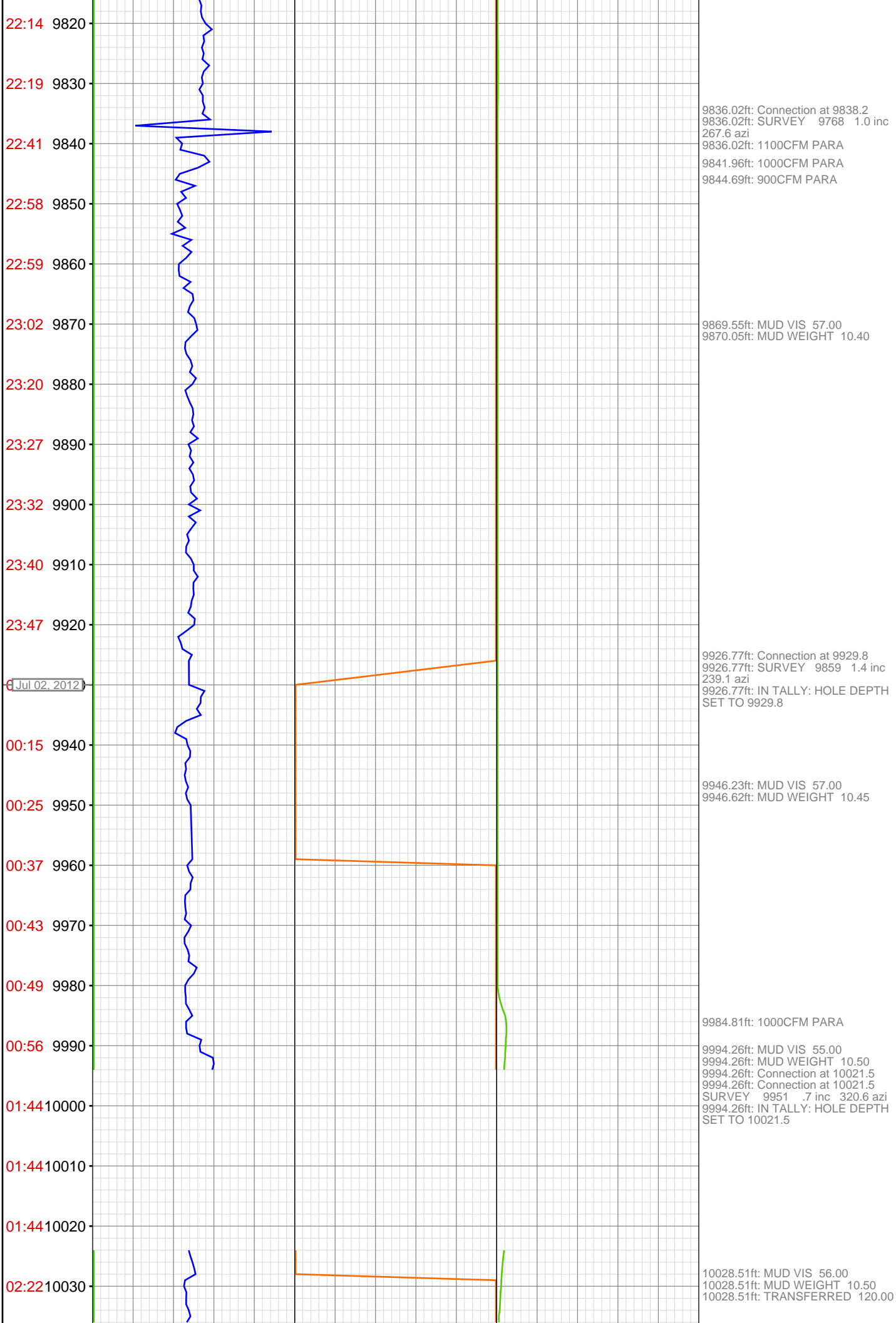
9286.45ft: ZWOB from SideKick
sk-06-03-3730
9286.45ft: ZDiffPressure from
SideKick sk-06-03-3730
9286.45ft: Connection at 9288.4
9291.01ft: TRANSFERRED 180.00

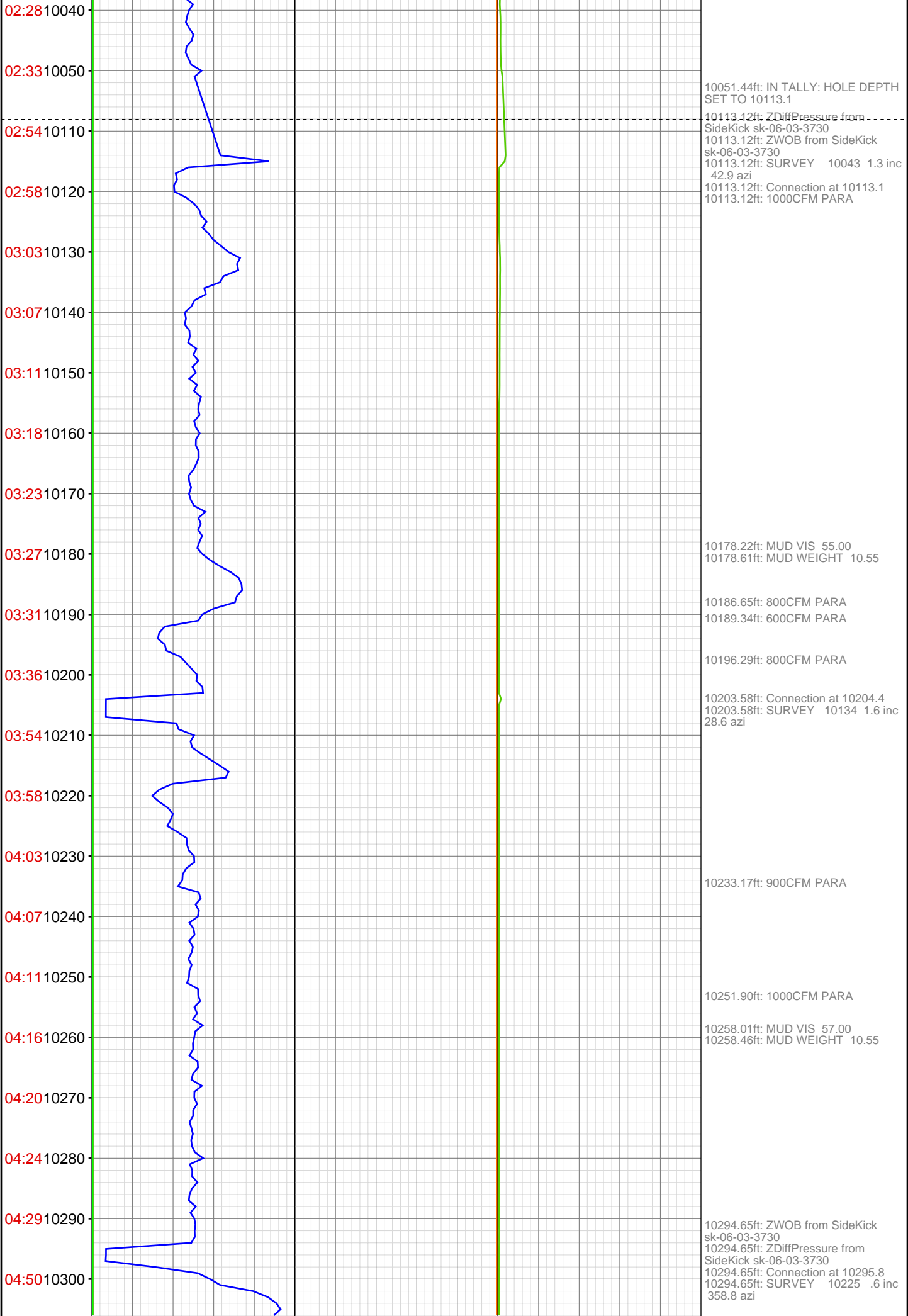
9303.81ft: MUD VIS 57.00
9304.00ft: MUD WEIGHT 10.15

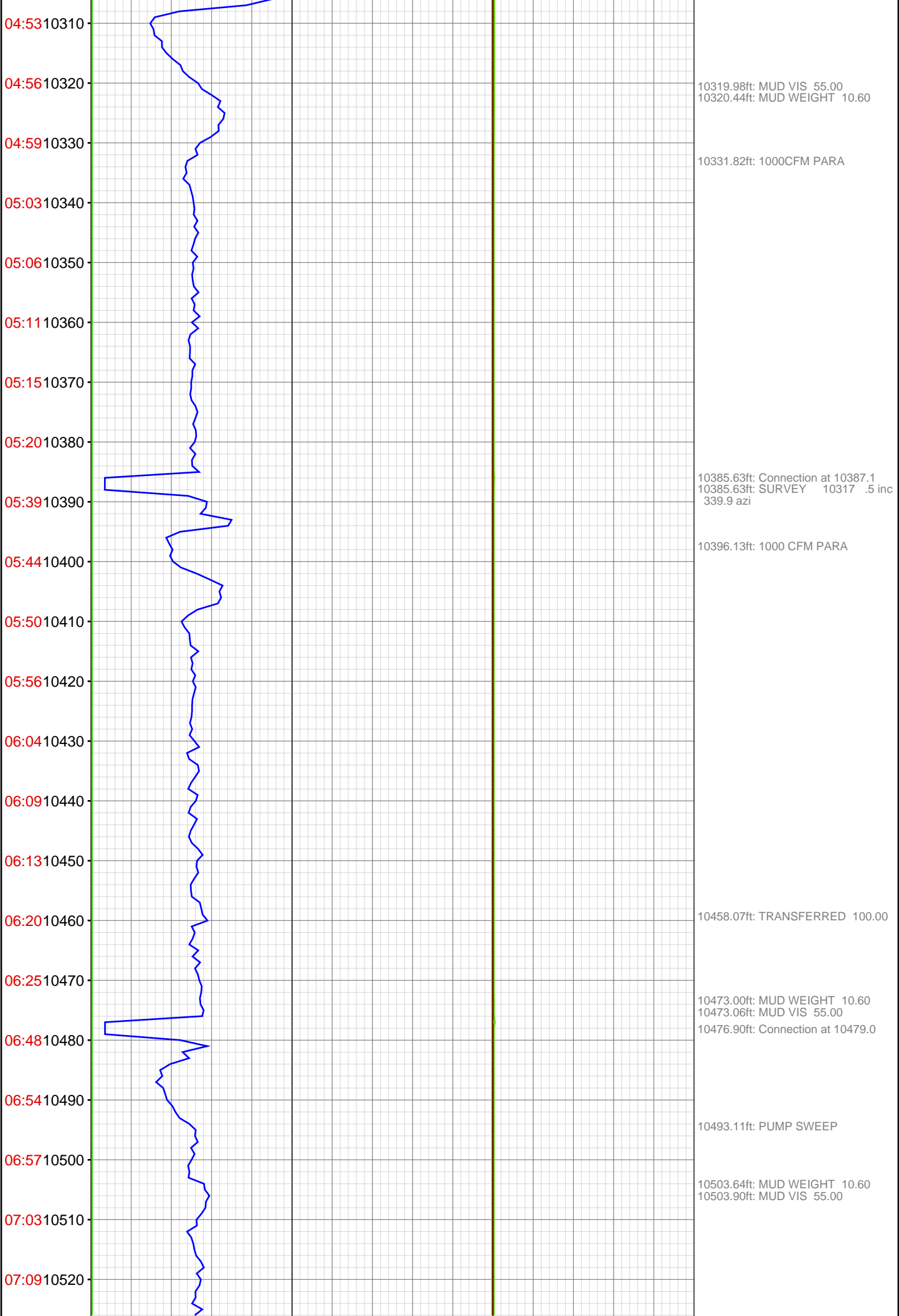
9327.76ft: TRANSFER COMP.

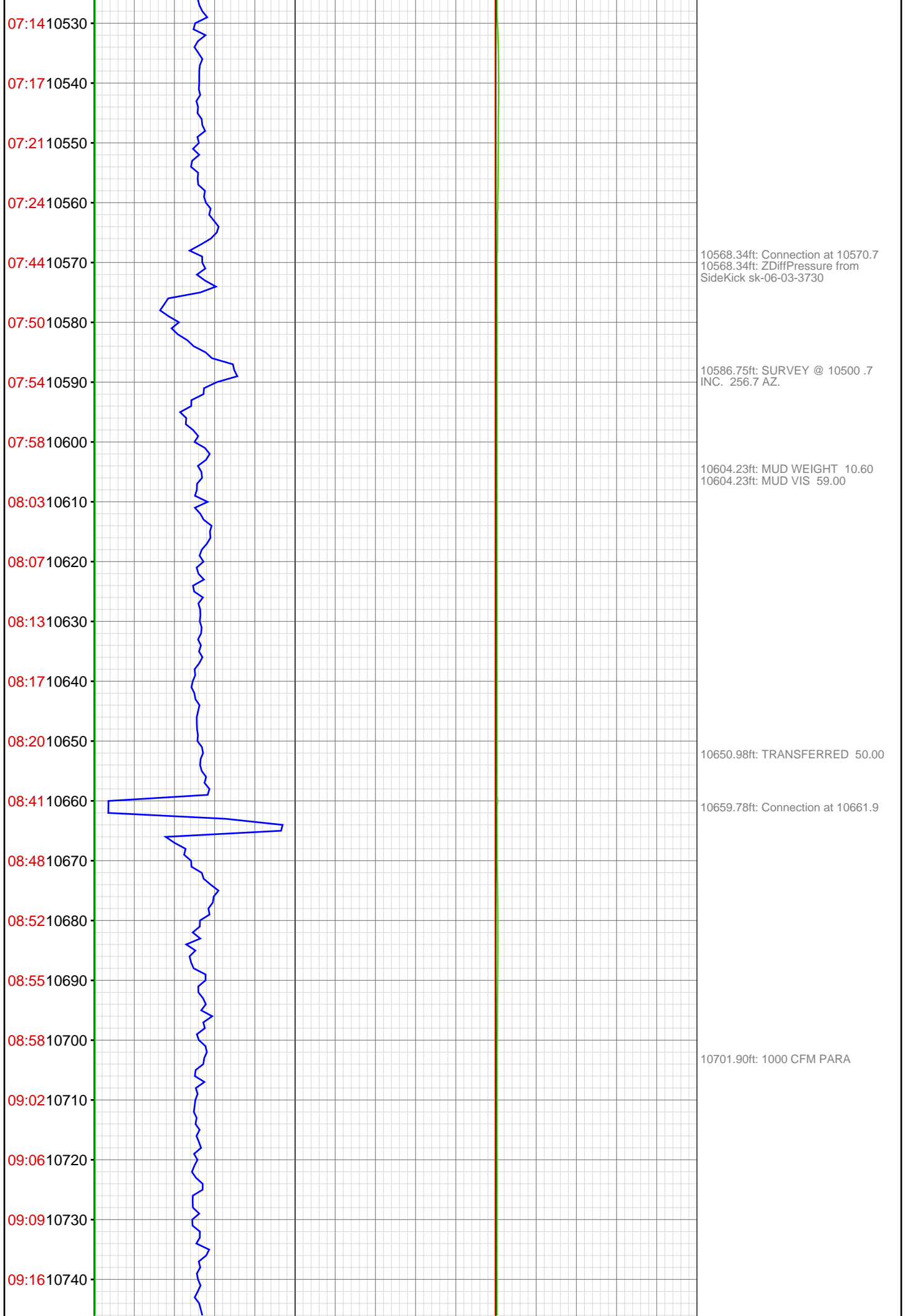


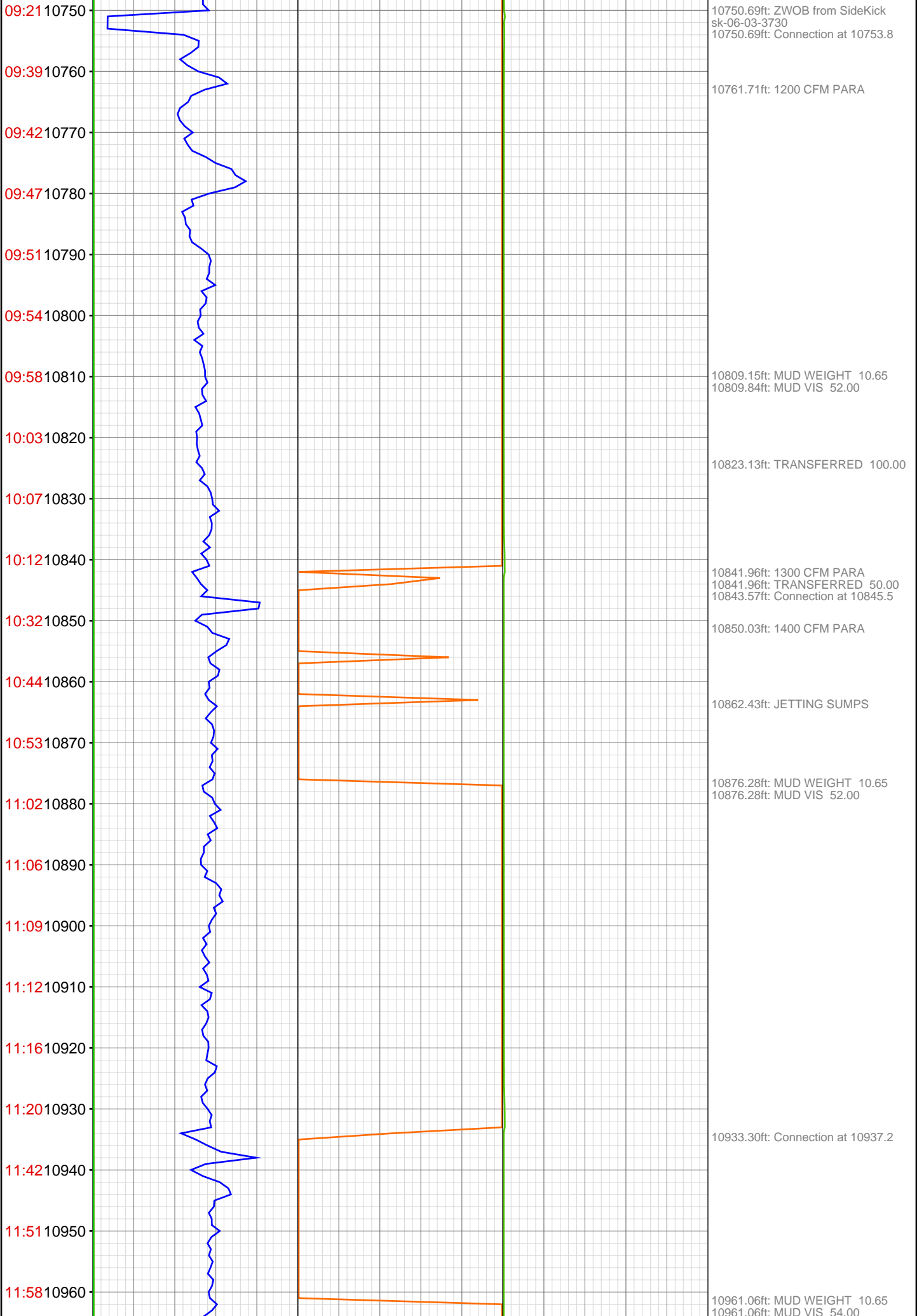




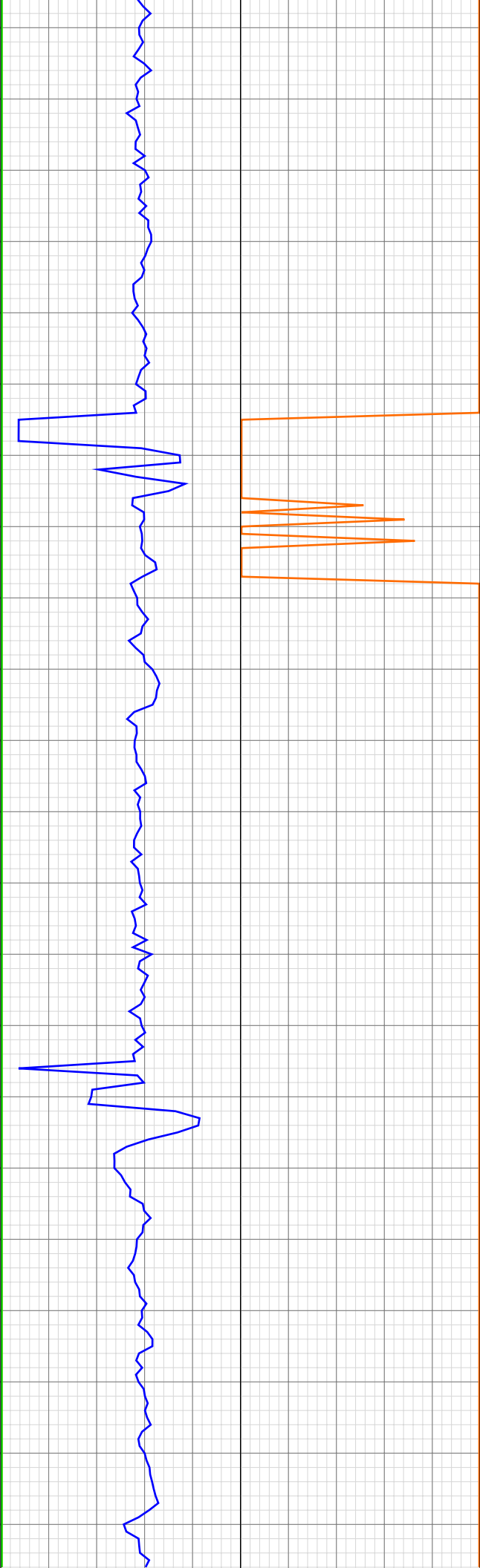








12:03 10970
12:07 10980
12:10 10990
12:13 11000
12:16 11010
12:20 11020
12:41 11030
12:57 11040
13:09 11050
13:15 11060
13:23 11070
13:29 11080
13:34 11090
13:39 11100
13:43 11110
14:09 11120
14:15 11130
14:20 11140
14:23 11150
14:31 11160
14:39 11170
14:44 11180



10986.94ft: 1400 CFM PARA

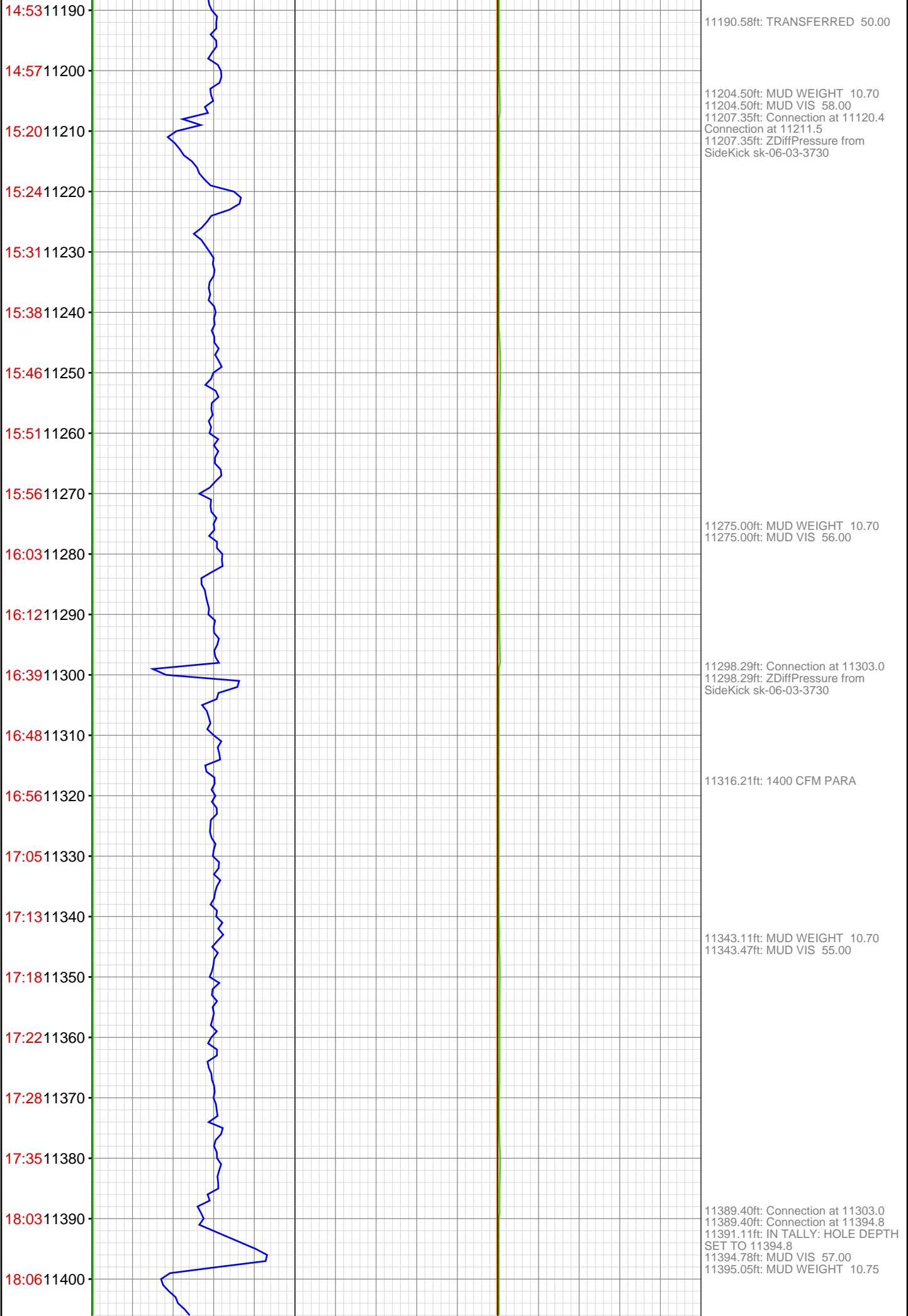
11024.71ft: ZWOB from SideKick
sk-06-03-3730
11024.71ft: HOOKLOAD WAS
RECALIBRATED
11024.71ft: Connection at 11028.8

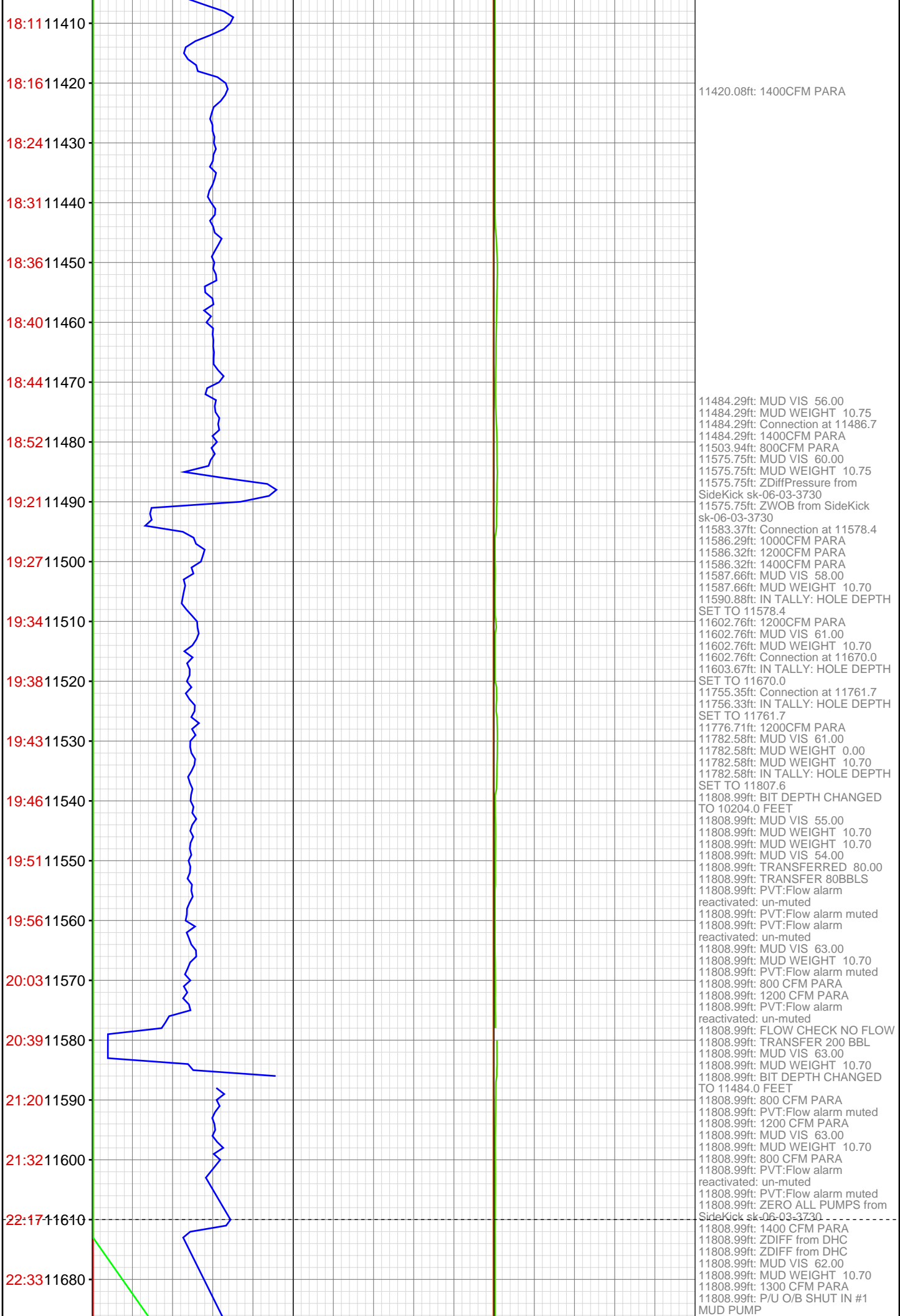
11047.31ft: ZWOB from SideKick
sk-06-03-3730
11047.31ft: ZDiffPressure from
SideKick sk-06-03-3730
11047.31ft: MUD WEIGHT 10.65
11047.31ft: MUD VIS 54.00
11053.61ft: 1400 CFM PARA

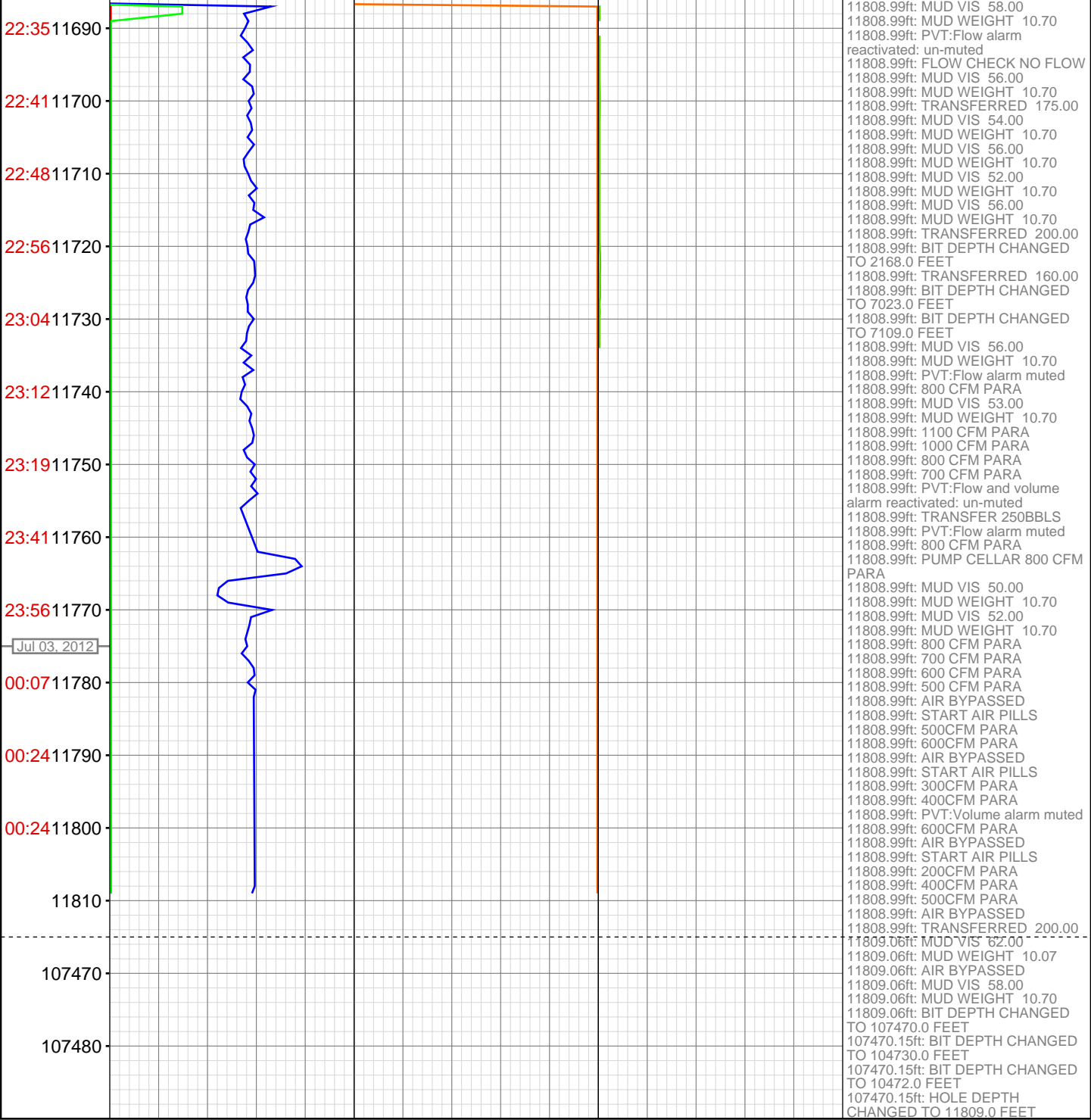
11115.91ft: ZWOB from SideKick
sk-06-03-3730
11115.91ft: ZDiffPressure from
SideKick sk-06-03-3730
11115.91ft: Connection at 11120.4
11118.83ft: MUD WEIGHT 10.70
11119.00ft: MUD VIS 59.00

11140.06ft: 1400 CFM PARA

11151.94ft: ZWOB from SideKick
sk-06-03-3730
11151.94ft: ZDiffPressure from
SideKick sk-06-03-3730







11808.99ft: MUD VIS 58.00
11808.99ft: MUD WEIGHT 10.70
11808.99ft: PVT:Flow alarm
reactivated: un-muted
11808.99ft: FLOW CHECK NO FLOW
11808.99ft: MUD VIS 56.00
11808.99ft: MUD WEIGHT 10.70
11808.99ft: TRANSFERRED 175.00
11808.99ft: MUD VIS 54.00
11808.99ft: MUD WEIGHT 10.70
11808.99ft: MUD VIS 56.00
11808.99ft: MUD WEIGHT 10.70
11808.99ft: MUD VIS 52.00
11808.99ft: MUD WEIGHT 10.70
11808.99ft: MUD VIS 56.00
11808.99ft: MUD WEIGHT 10.70
11808.99ft: TRANSFERRED 200.00
11808.99ft: BIT DEPTH CHANGED
TO 2168.0 FEET
11808.99ft: TRANSFERRED 160.00
11808.99ft: BIT DEPTH CHANGED
TO 7023.0 FEET
11808.99ft: BIT DEPTH CHANGED
TO 7109.0 FEET
11808.99ft: MUD VIS 56.00
11808.99ft: MUD WEIGHT 10.70
11808.99ft: PVT:Flow alarm muted
11808.99ft: 800 CFM PARA
11808.99ft: MUD VIS 53.00
11808.99ft: MUD WEIGHT 10.70
11808.99ft: 1100 CFM PARA
11808.99ft: 1000 CFM PARA
11808.99ft: 800 CFM PARA
11808.99ft: 700 CFM PARA
11808.99ft: PVT:Flow and volume
alarm reactivated: un-muted
11808.99ft: TRANSFER 250BBLS
11808.99ft: PVT:Flow alarm muted
11808.99ft: 800 CFM PARA
11808.99ft: PUMP CELLAR 800 CFM
PARA
11808.99ft: MUD VIS 50.00
11808.99ft: MUD WEIGHT 10.70
11808.99ft: MUD VIS 52.00
11808.99ft: MUD WEIGHT 10.70
11808.99ft: 800 CFM PARA
11808.99ft: 700 CFM PARA
11808.99ft: 600 CFM PARA
11808.99ft: 500 CFM PARA
11808.99ft: AIR BYPASSED
11808.99ft: START AIR PILLS
11808.99ft: 500CFM PARA
11808.99ft: 600CFM PARA
11808.99ft: AIR BYPASSED
11808.99ft: START AIR PILLS
11808.99ft: 300CFM PARA
11808.99ft: 400CFM PARA
11808.99ft: PVT:Volume alarm muted
11808.99ft: 600CFM PARA
11808.99ft: AIR BYPASSED
11808.99ft: START AIR PILLS
11808.99ft: 200CFM PARA
11808.99ft: 400CFM PARA
11808.99ft: 500CFM PARA
11808.99ft: AIR BYPASSED
11808.99ft: TRANSFERRED 200.00
11809.06ft: MUD VIS 62.00
11809.06ft: MUD WEIGHT 10.07
11809.06ft: AIR BYPASSED
11809.06ft: MUD VIS 58.00
11809.06ft: MUD WEIGHT 10.70
11809.06ft: BIT DEPTH CHANGED
TO 107470.0 FEET
107470.15ft: BIT DEPTH CHANGED
TO 104730.0 FEET
107470.15ft: BIT DEPTH CHANGED
TO 10472.0 FEET
107470.15ft: HOLE DEPTH
CHANGED TO 11809.0 FEET