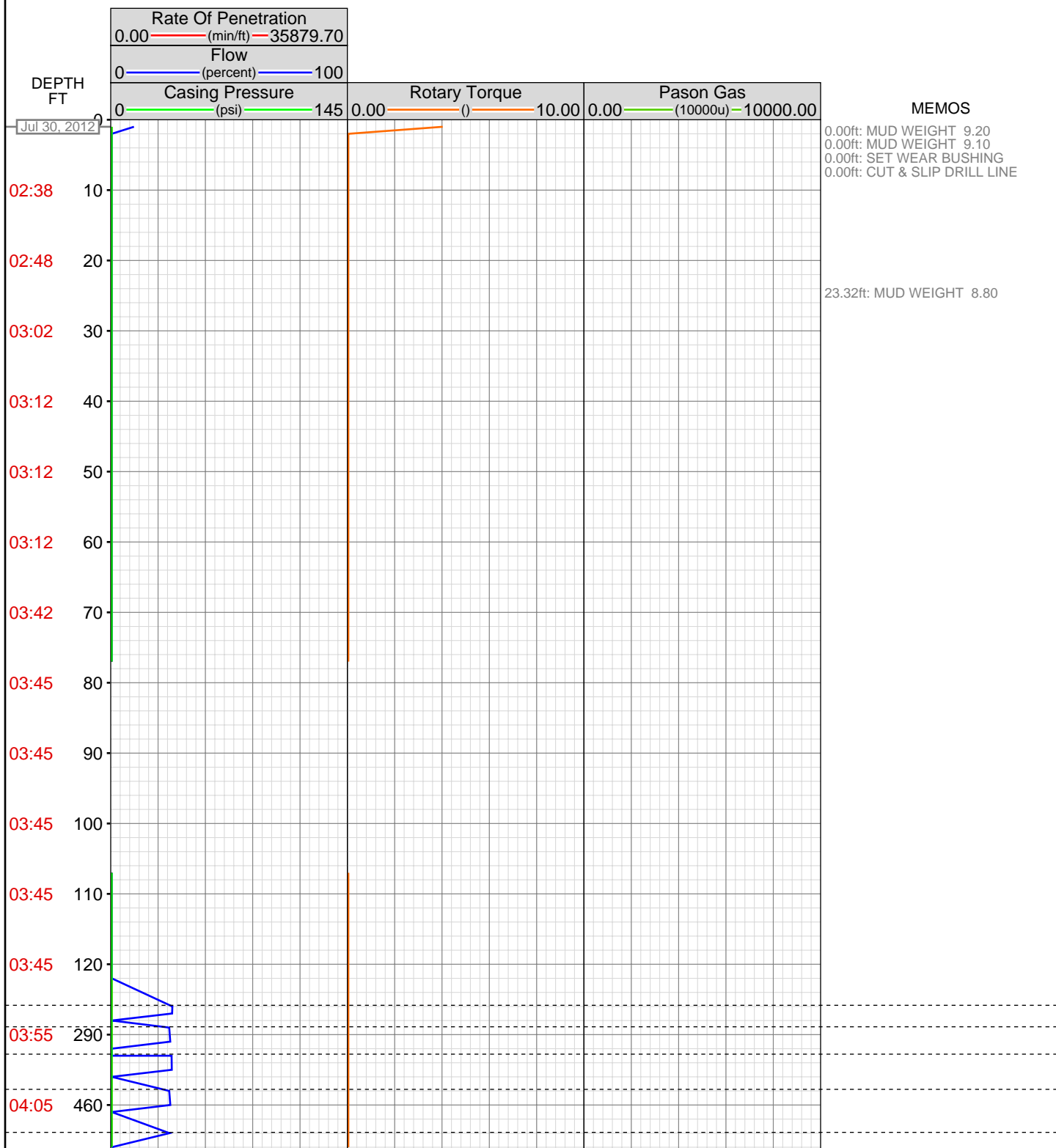


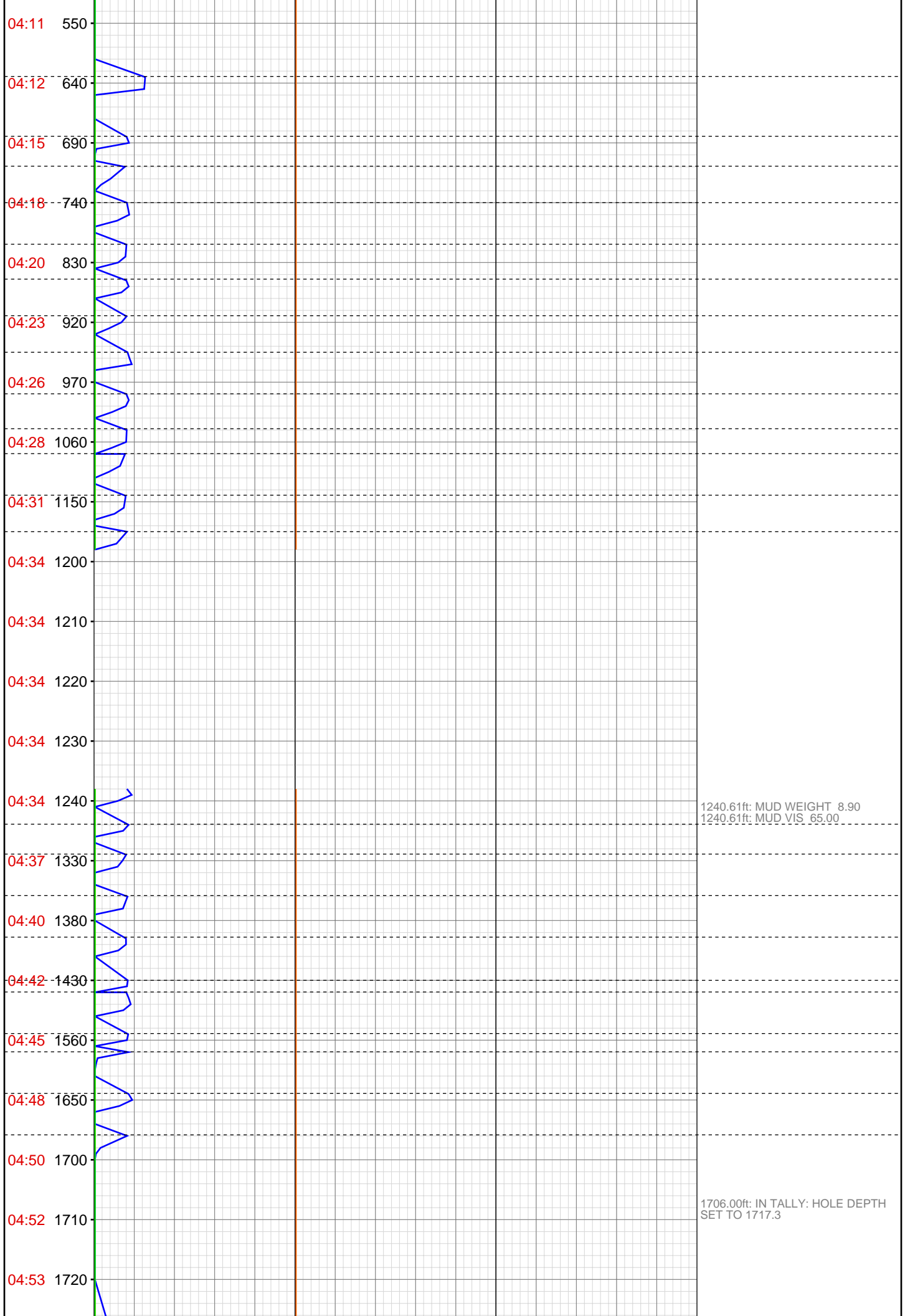
# DataHub EDR Log

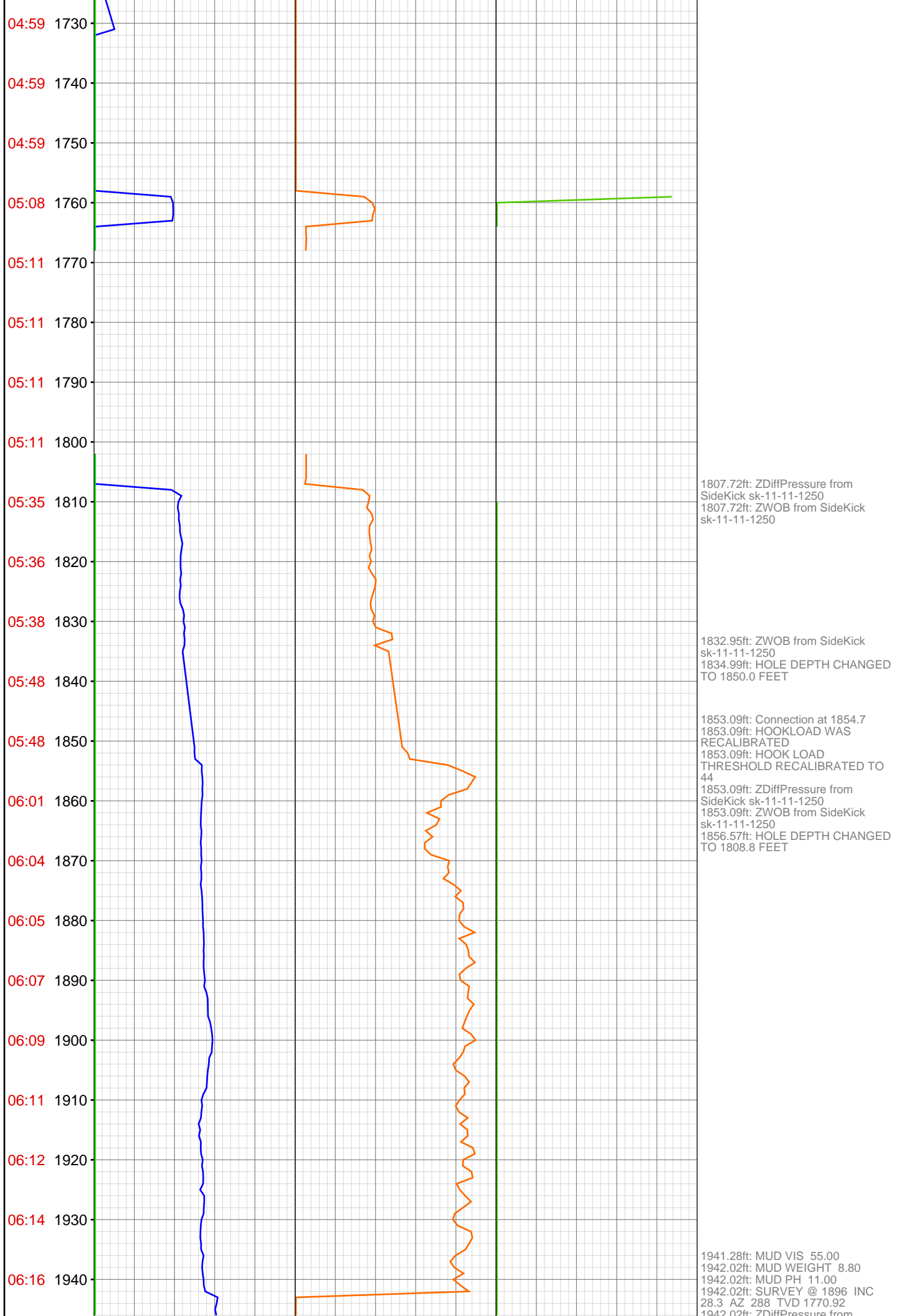
Tue Aug 07, 2012 08:05:18  
Well Dossier 1343604933  
Marilyn Tucker

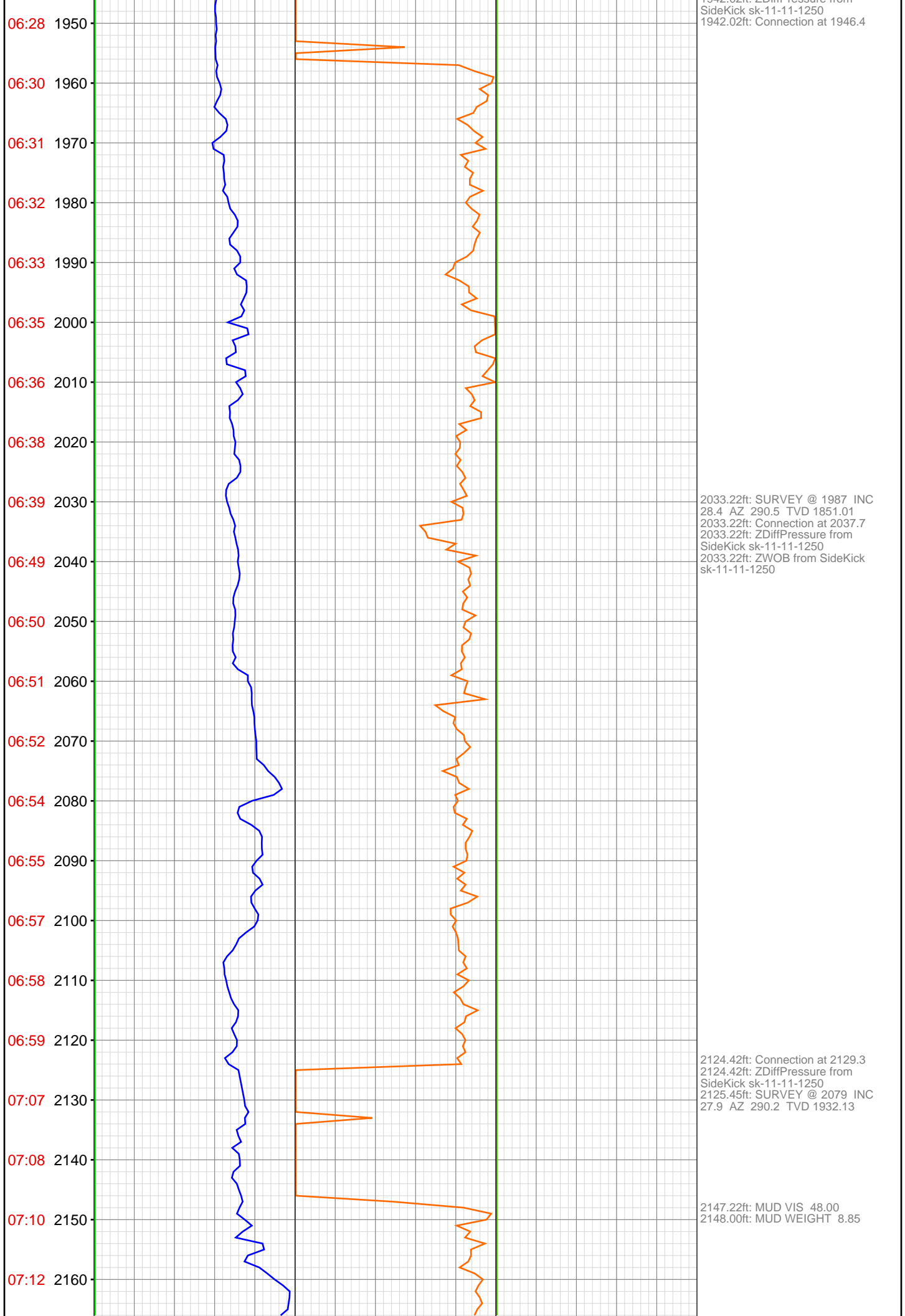
**OPERATOR:** EnCana Oil & Gas (USA), Inc.  
**WELL:** NP EF 11D-27 P27 595  
**FIELD:**  
**LOCATION:**  
**COUNTRY:** USA  
**RIG:** Pat-UTI 303

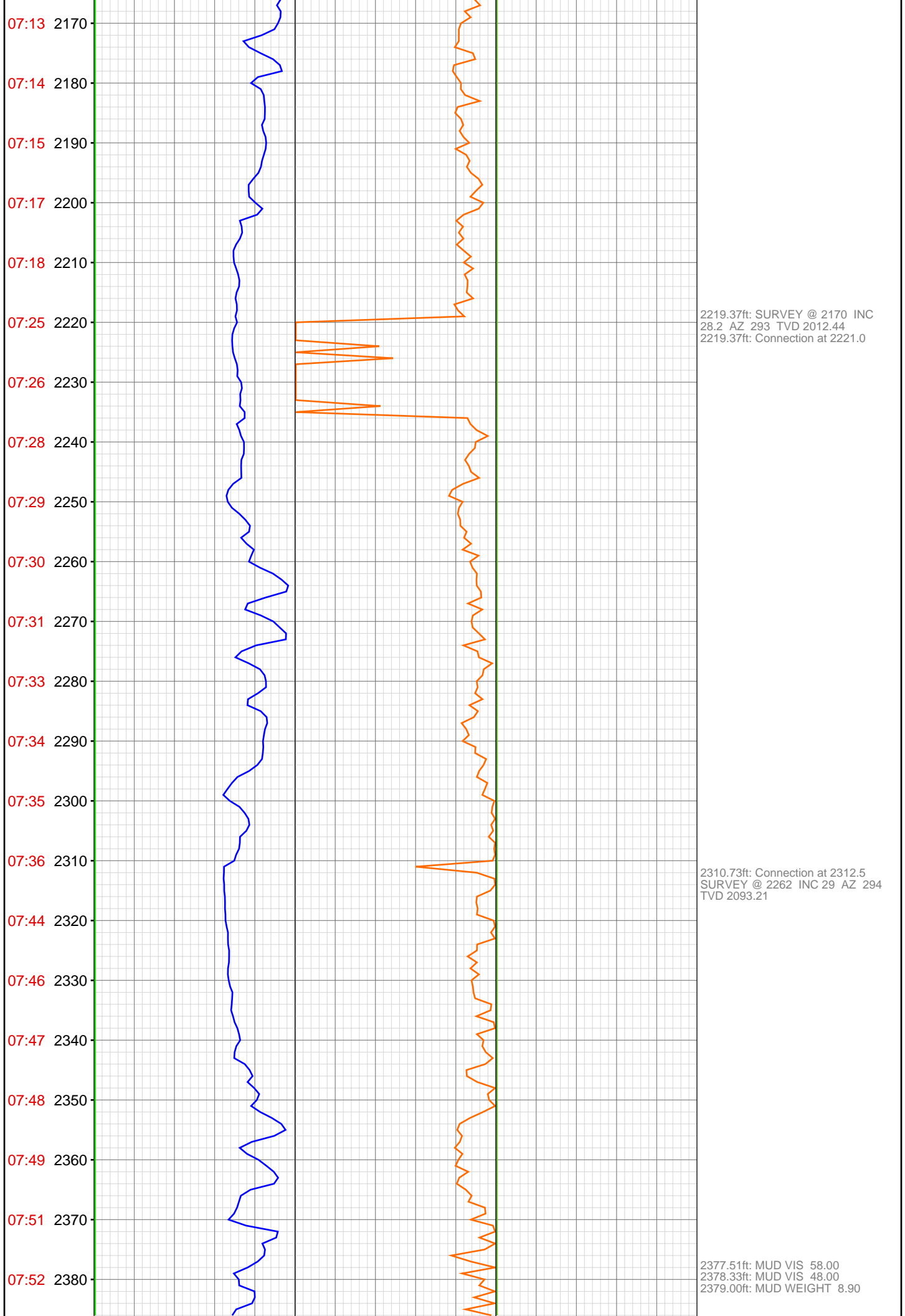
**CONTRACTOR:** Patterson-UTI Drilling Company  
**UNIQUE WELL ID:** 05 045 20290 00  
**SPUD DATE:** Jul 30, 2012 06:00  
**RELEASE DATE:**

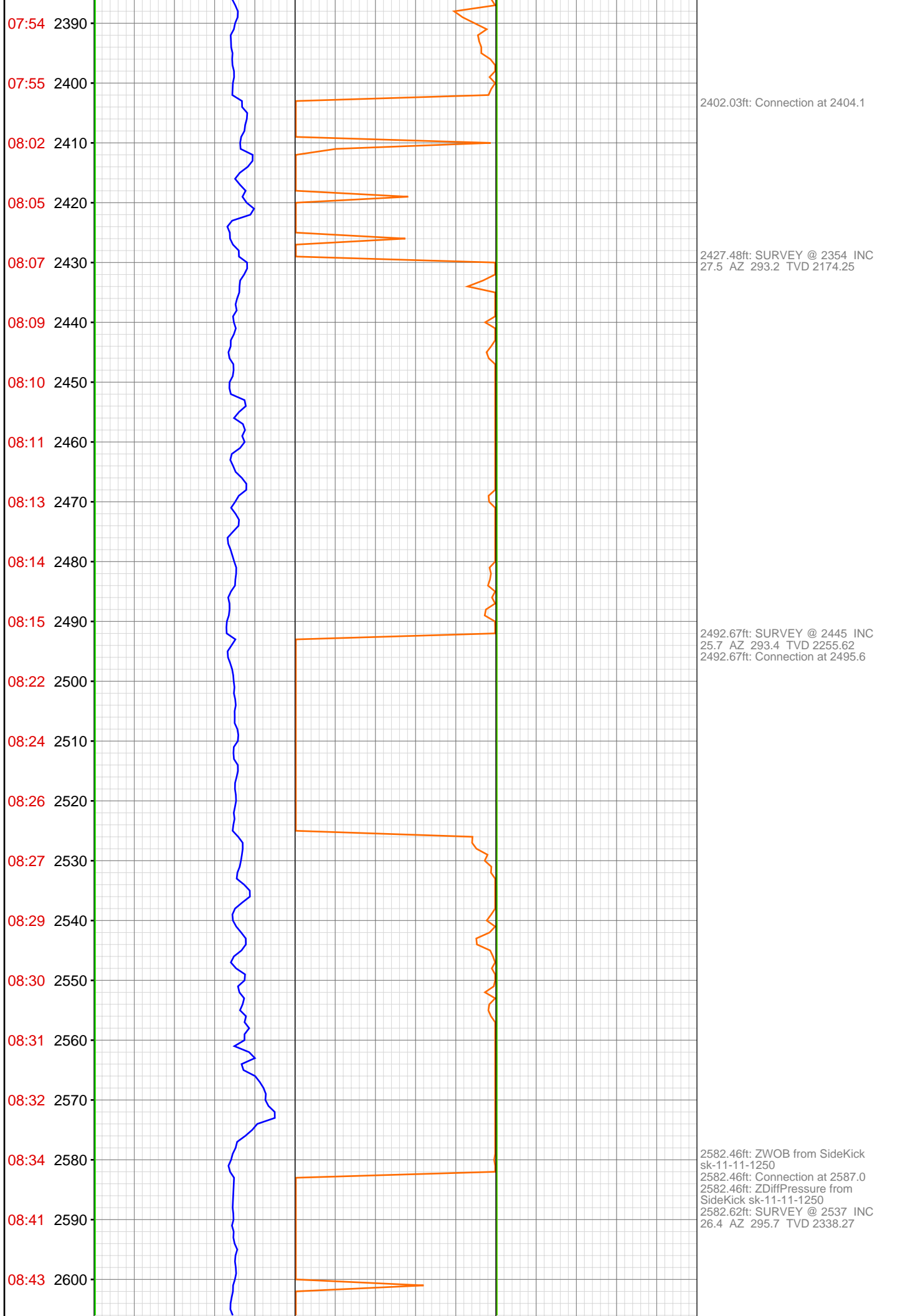


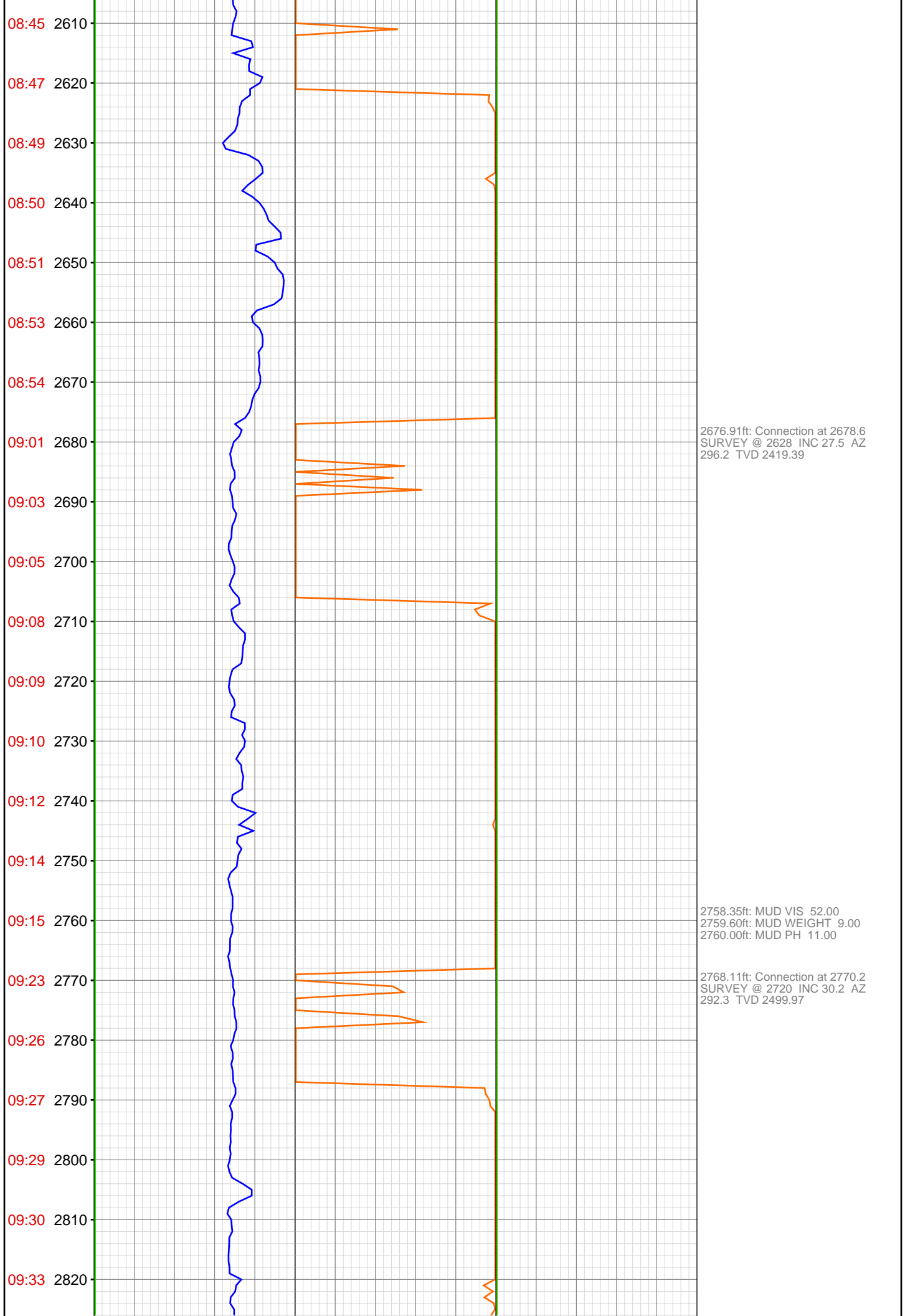






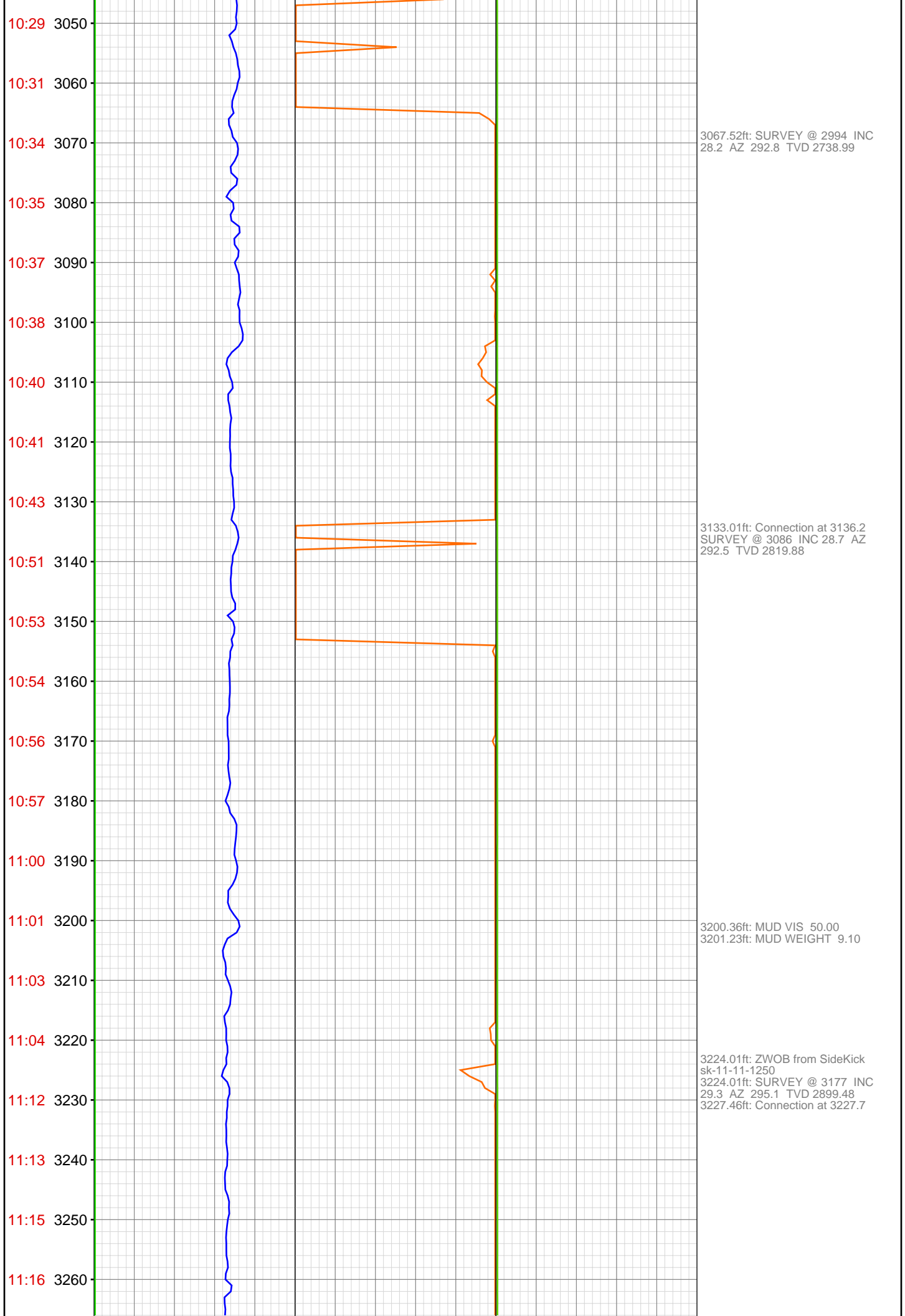


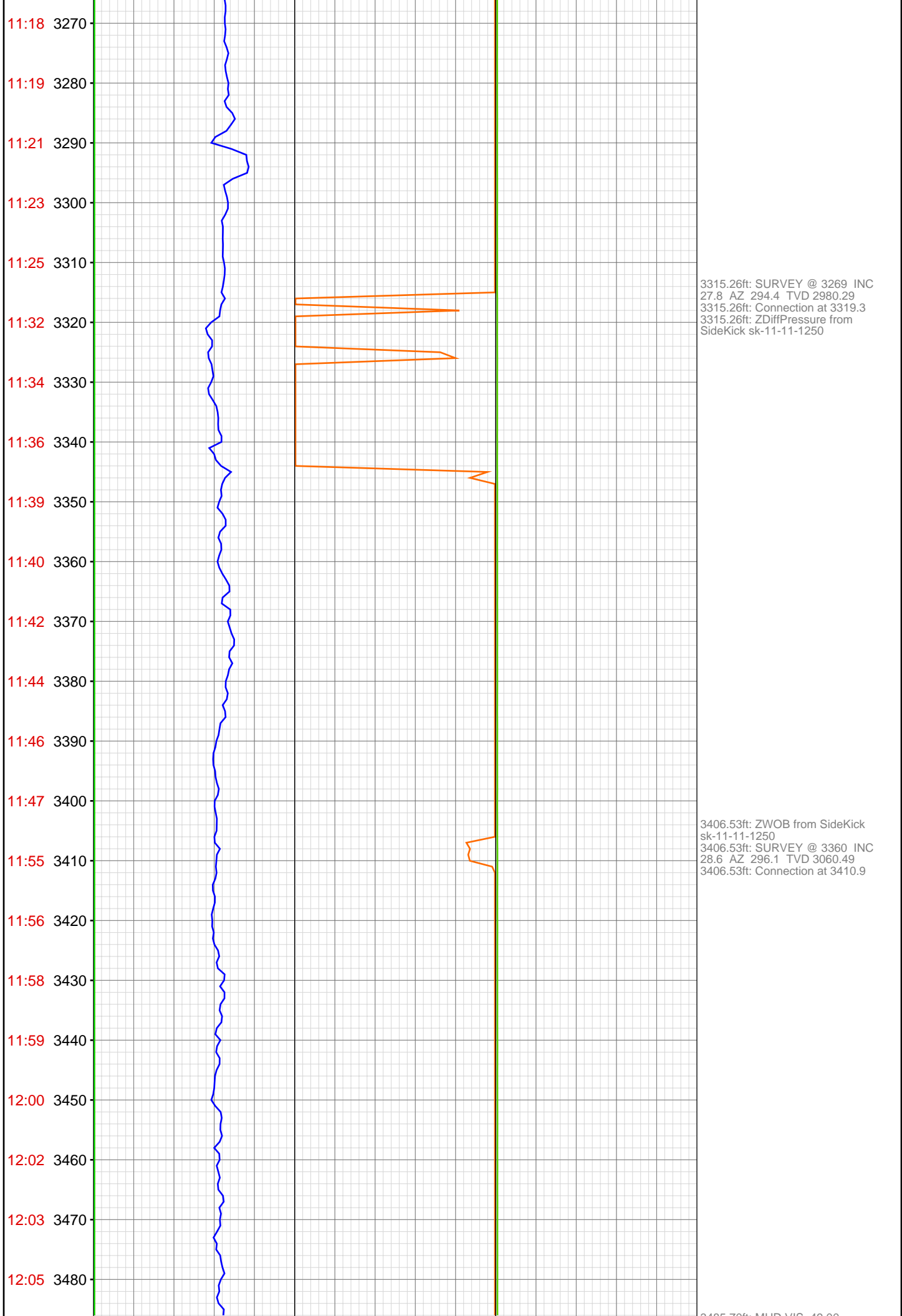


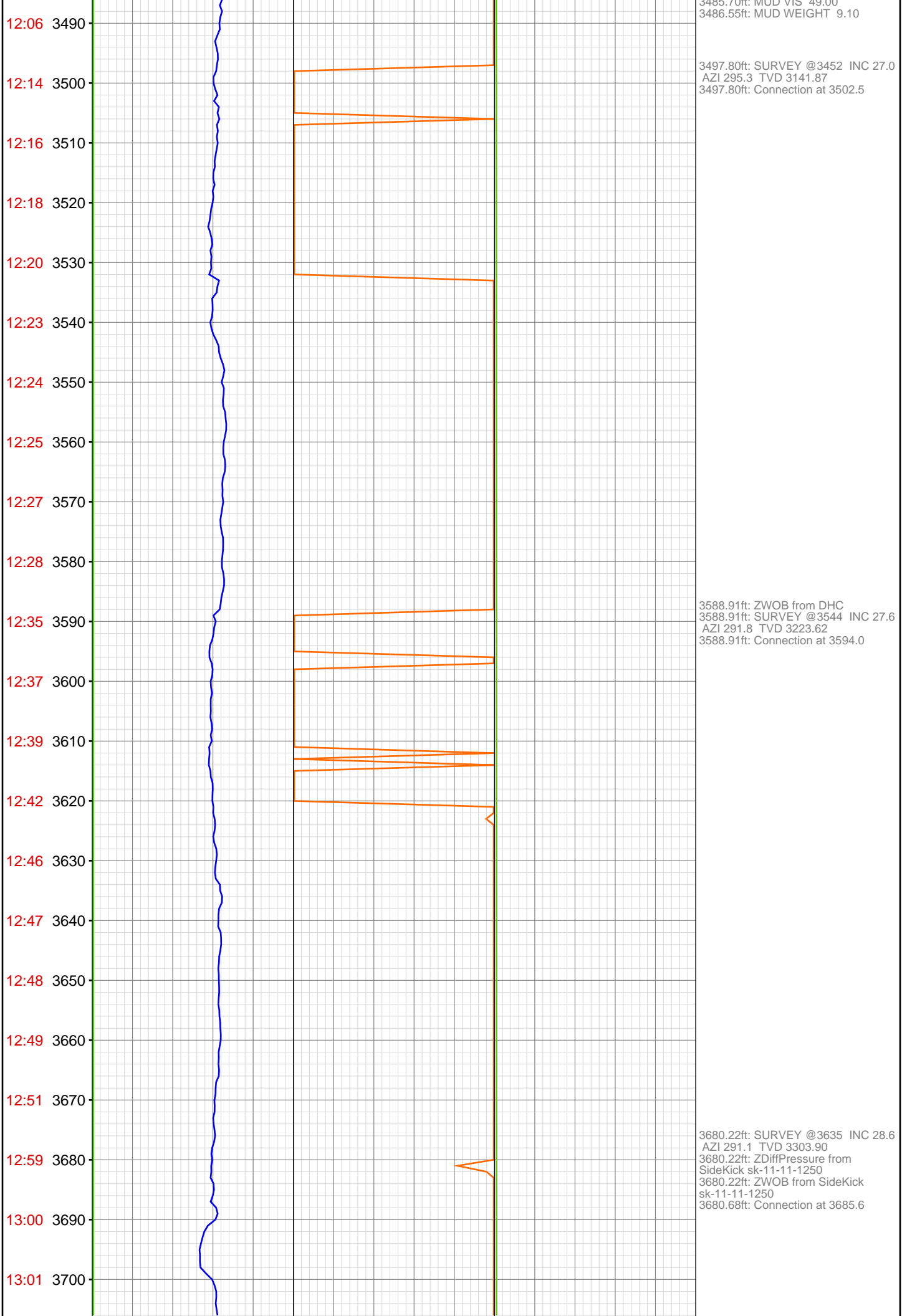


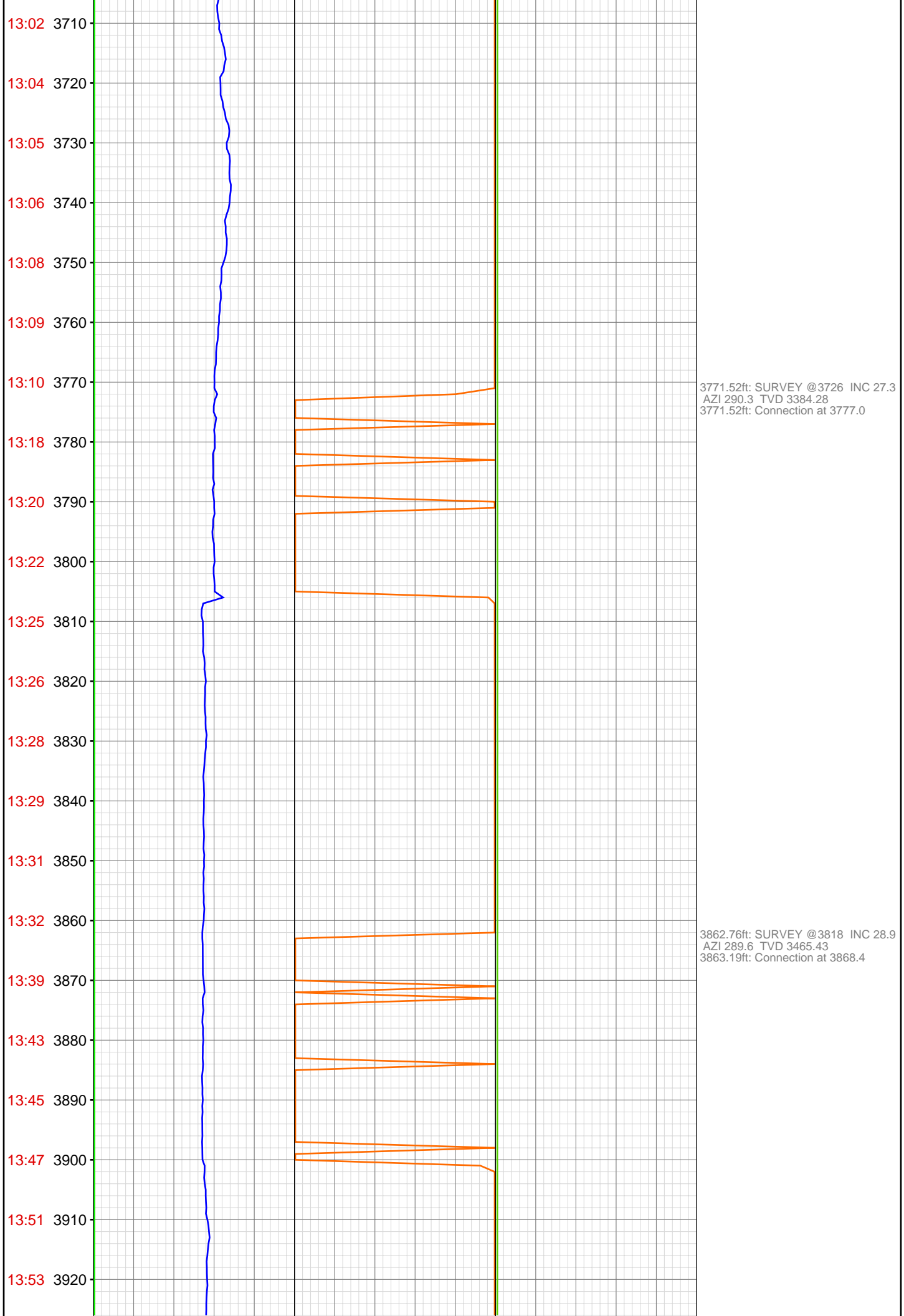












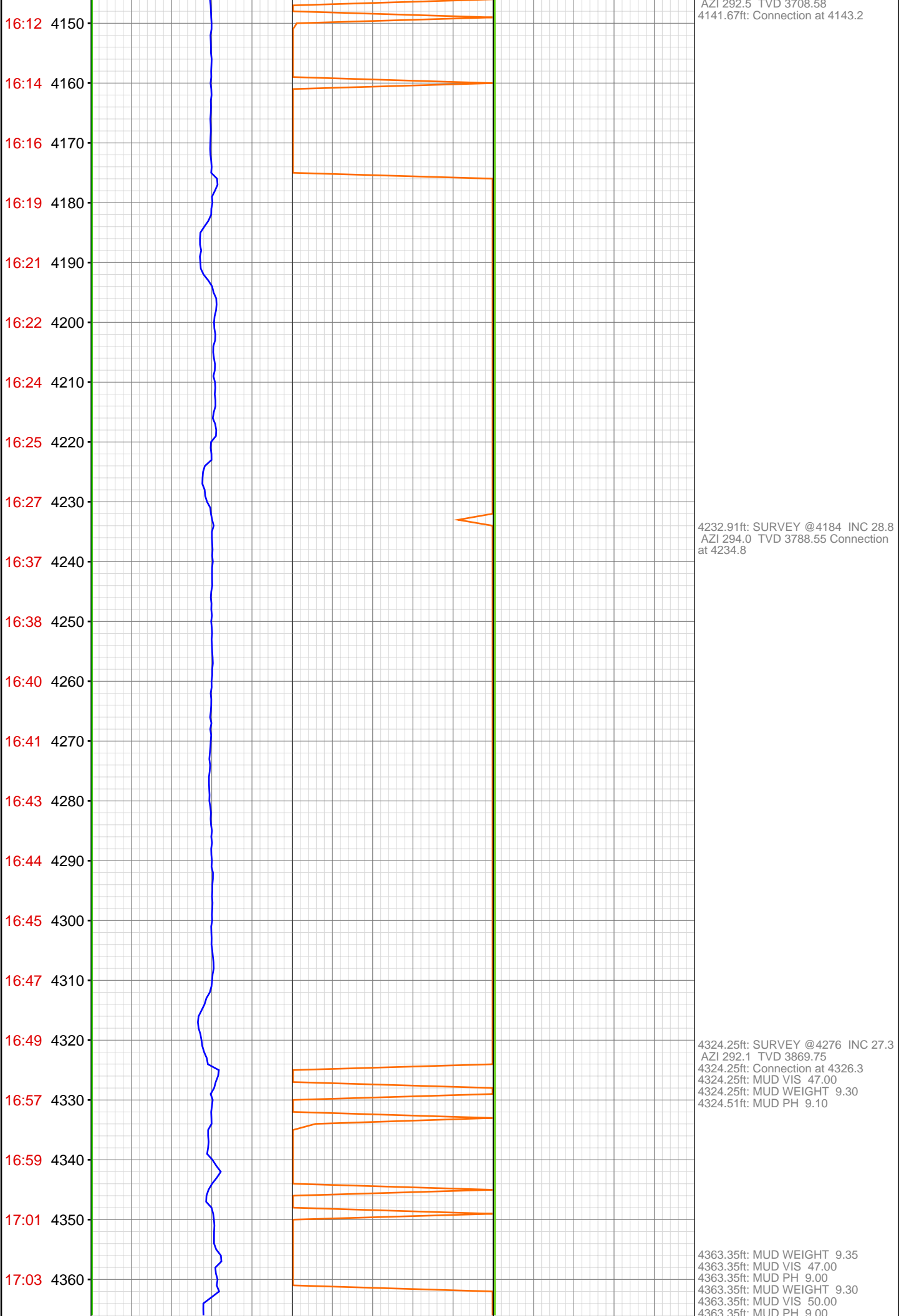
13:55 3930  
13:56 3940  
13:57 3950  
14:11 3960  
14:12 3970  
14:14 3980  
14:16 3990  
14:18 4000  
15:33 4010  
15:35 4020  
15:37 4030  
15:38 4040  
15:39 4050  
15:48 4060  
15:50 4070  
15:52 4080  
15:57 4090  
15:58 4100  
15:59 4110  
16:01 4120  
16:02 4130  
16:03 4140

3952.00ft: MUD VIS 48.00  
3955.12ft: MUD WEIGHT 9.10  
3957.94ft: MUD PH 9.40  
3957.94ft: SURVEY @3909 INC 28.5  
AZI 294.5 TVD 294.5  
3957.94ft: Connection at 3959.9

4004.89ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
4004.89ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
4004.89ft: ZDiffPressure from  
SideKick sk-11-11-1250  
4004.89ft: ZWOB from SideKick  
sk-11-11-1250  
4004.89ft: ZDIFF from DHC

4050.30ft: SURVEY @4001 INC 26.5  
AZI 292.6 TVD 3626.87  
4050.30ft: Connection at 4051.6

4135.99ft: MUD VIS 48.00  
4137.01ft: MUD WEIGHT 9.30  
4139.01ft: MUD PH 9.40  
4141.67ft: ZWOB from SideKick  
sk-11-11-1250  
4141.67ft: SURVEY @4093 INC 28.2



20:06 4370

20:08 4380

20:10 4390

20:11 4400

20:13 4410

20:23 4420

20:26 4430

20:30 4440

20:32 4450

20:34 4460

20:35 4470

20:37 4480

20:39 4490

20:40 4500

20:50 4510

20:53 4520

20:55 4530

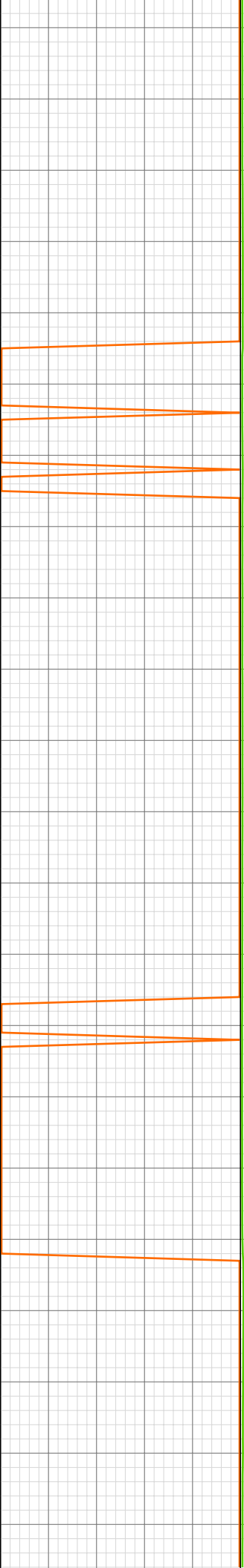
20:57 4540

21:00 4550

21:02 4560

21:05 4570

21:08 4580

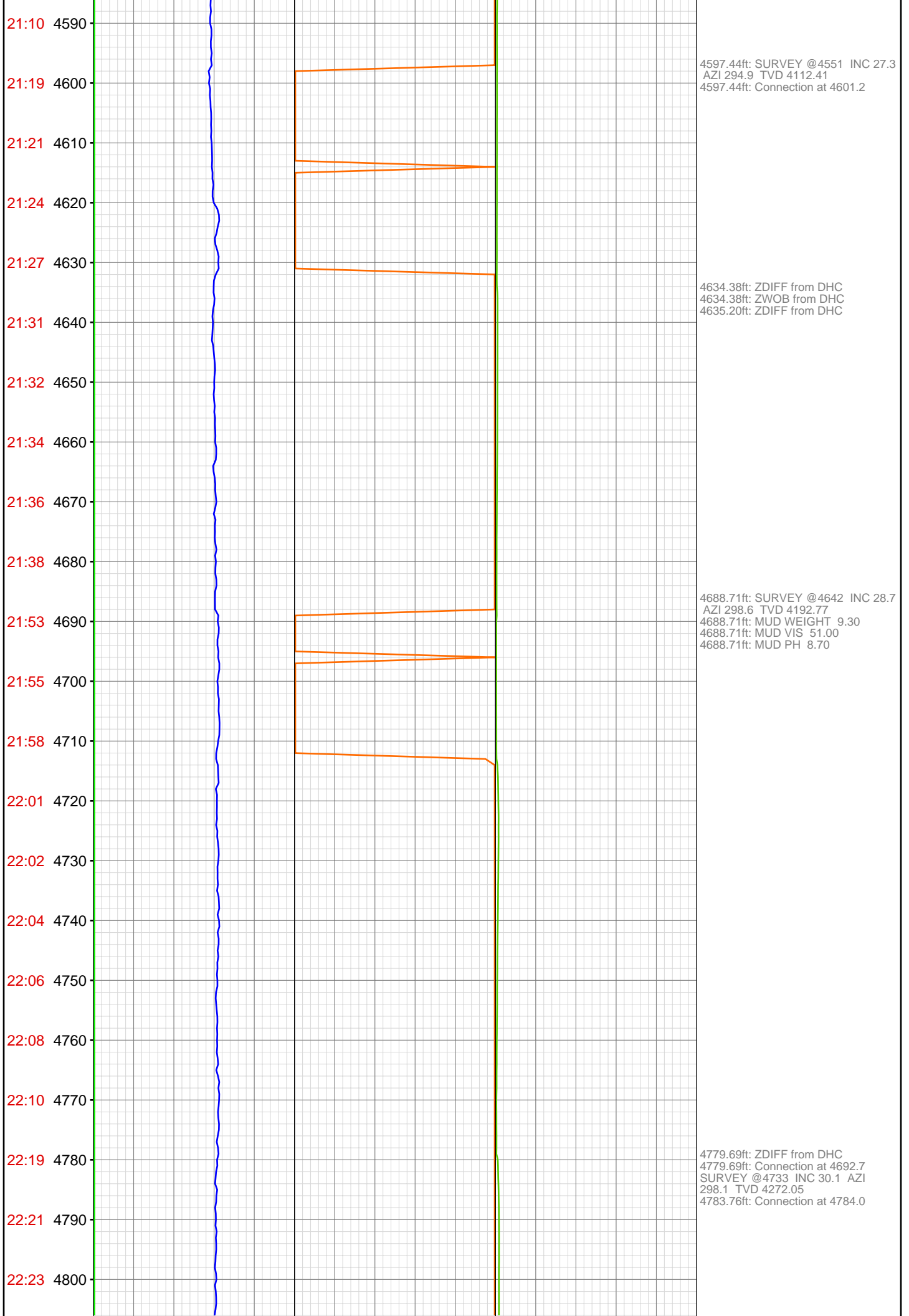


4363.35ft: ZWOB from DHC  
4363.35ft: MUD WEIGHT 9.30  
4363.35ft: MUD VIS 55.00  
4363.35ft: MUD PH 8.90

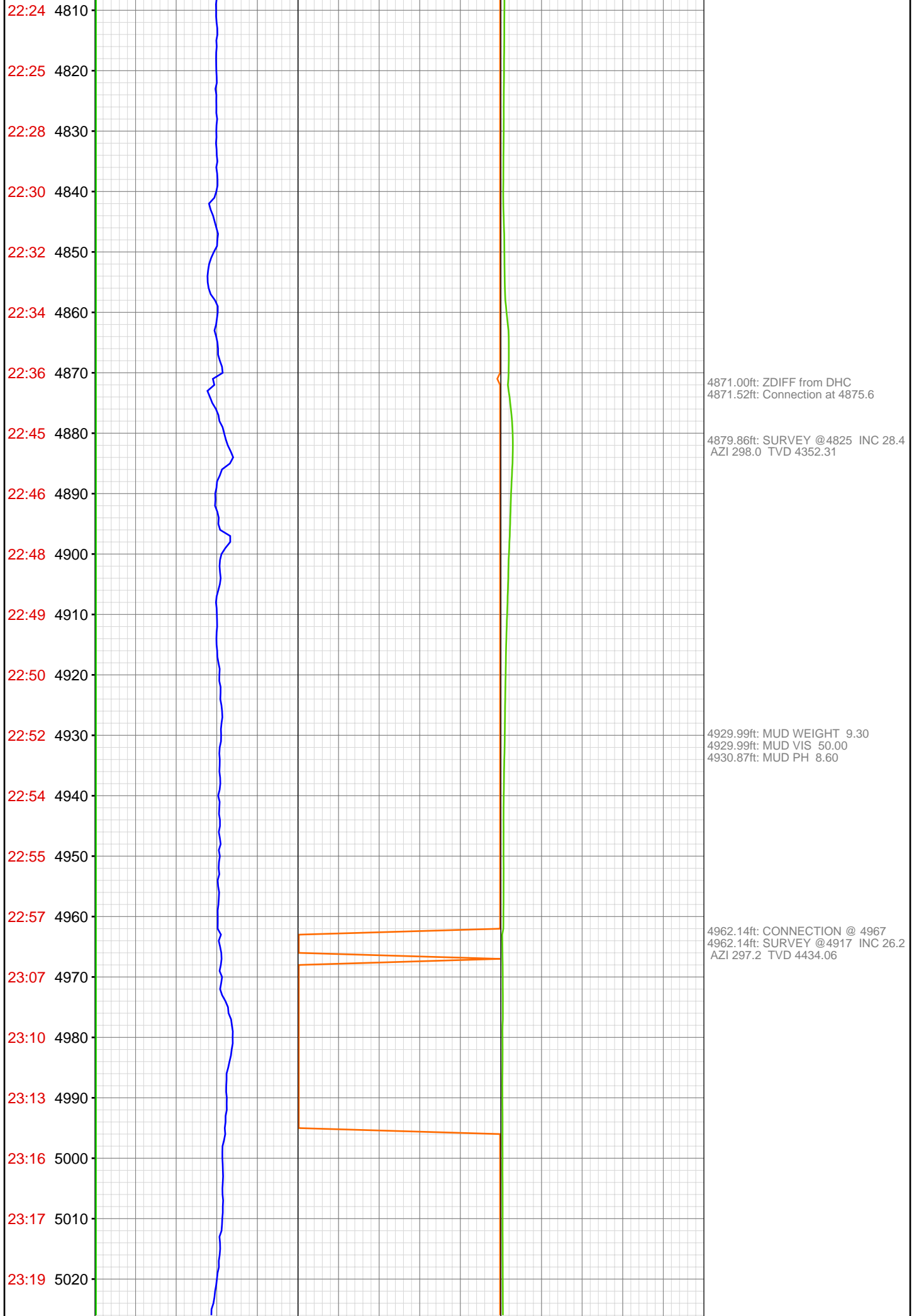
4414.96ft: SURVEY @4368 INC 28.0  
AZI 289.8 TVD 3951.24  
4419.09ft: Connection at 4418.0

4506.27ft: SURVEY @4459 INC 28.9  
AZI 290.2 TVD 4031.25  
4506.27ft: MUD WEIGHT 9.25  
4506.27ft: MUD VIS 52.00  
4506.27ft: MUD PH 8.80

4542.19ft: Connection at 4509.7







23:21 5030  
23:24 5040  
23:26 5050  
23:36 5060  
23:39 5070  
23:42 5080  
23:44 5090  
23:45 5100  
23:47 5110  
23:49 5120  
23:51 5130  
23:53 5140  
00:02 5150  
00:05 5160  
00:09 5170  
00:14 5180  
00:16 5190  
00:18 5200  
00:19 5210  
00:21 5220  
00:23 5230  
00:24 5240

Jul 31, 2012

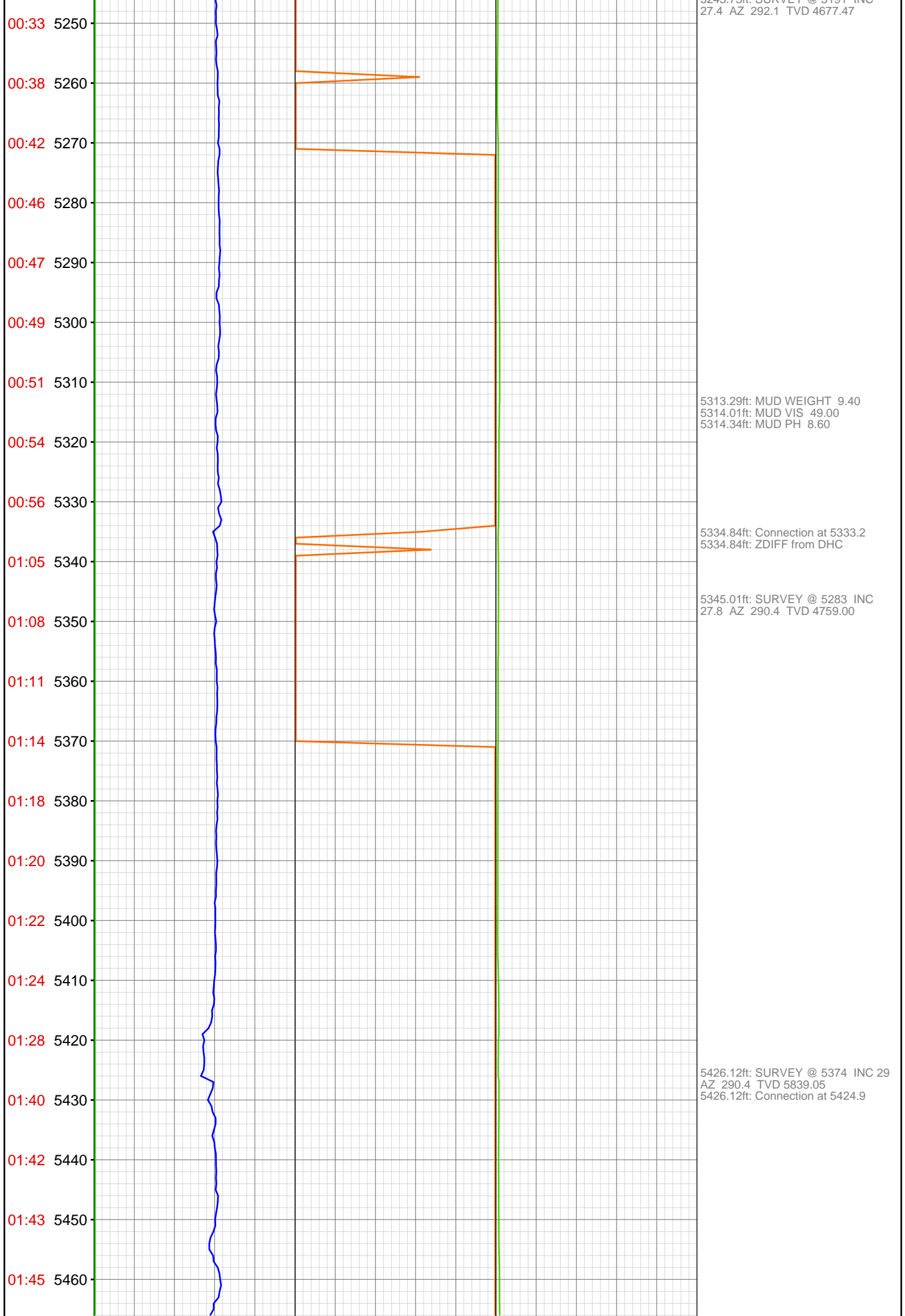
5042.29ft: Connection at 4967.3

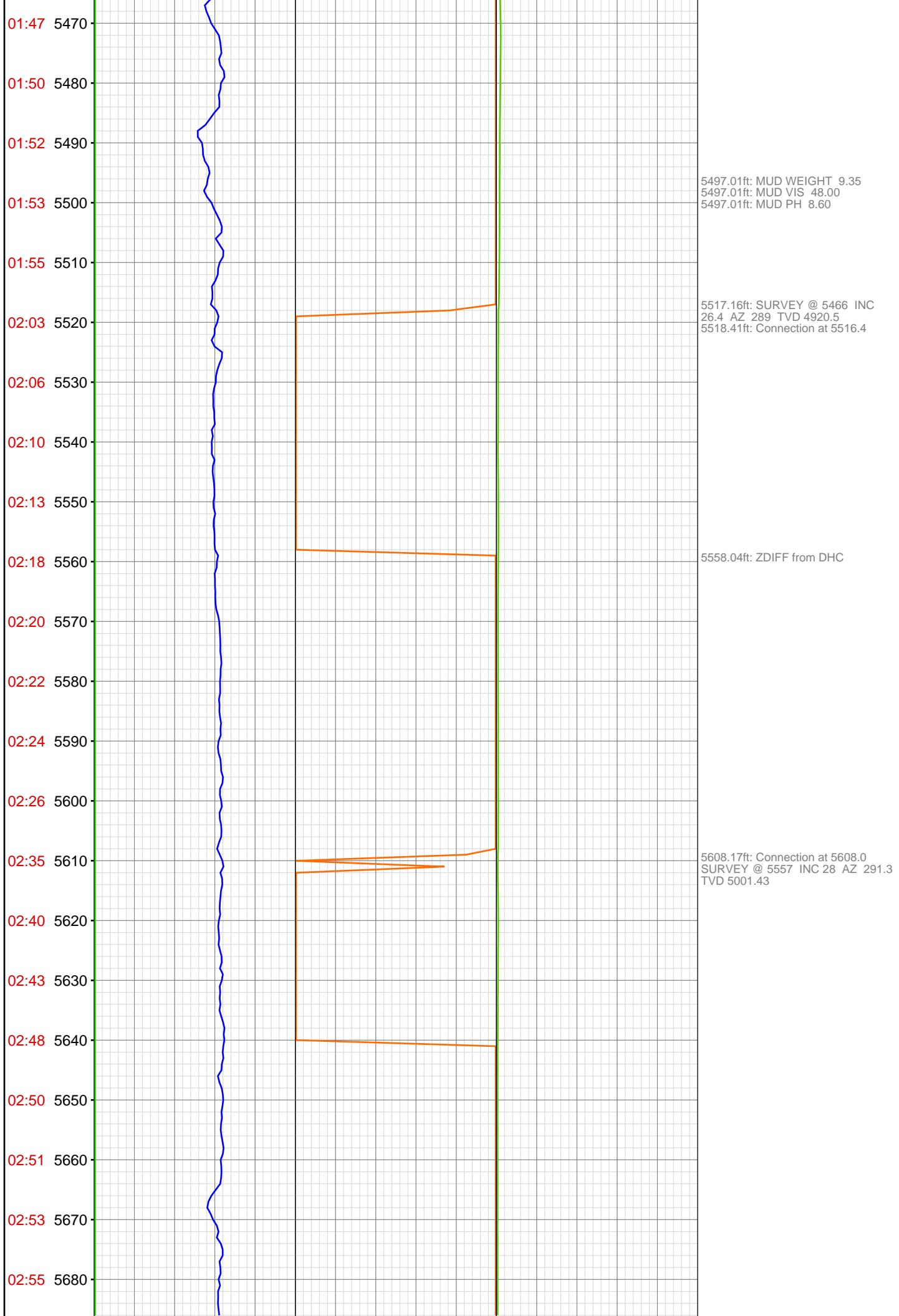
5053.45ft: SURVEY @5008 INC27.2  
AZI 291.7 TVD 4515.37  
CONNECTION @ 5058'

5117.95ft: MUD WEIGHT 9.40  
5117.95ft: MUD VIS 49.00  
5119.06ft: MUD PH 8.60

5144.75ft: ZWOB from DHC  
5144.75ft: SURVEY @5100 INC 28.0  
AZI 291.2 TVD 4596.90  
5144.75ft: Connection at 5150.3  
5144.75ft: IN TALLY: HOLE DEPTH  
SET TO 5150.3

5243.67ft: Connection at 5241.7  
5243.73ft: SURVEY @ 5191 INC





02:57 5690  
03:06 5700  
03:08 5710  
03:10 5720  
03:12 5730  
03:14 5740  
03:15 5750  
03:17 5760  
03:19 5770  
03:22 5780  
03:29 5790  
03:34 5800  
03:38 5810  
03:43 5820  
03:45 5830  
03:47 5840  
03:48 5850  
03:50 5860  
03:52 5870  
03:54 5880  
04:04 5890  
04:06 5900

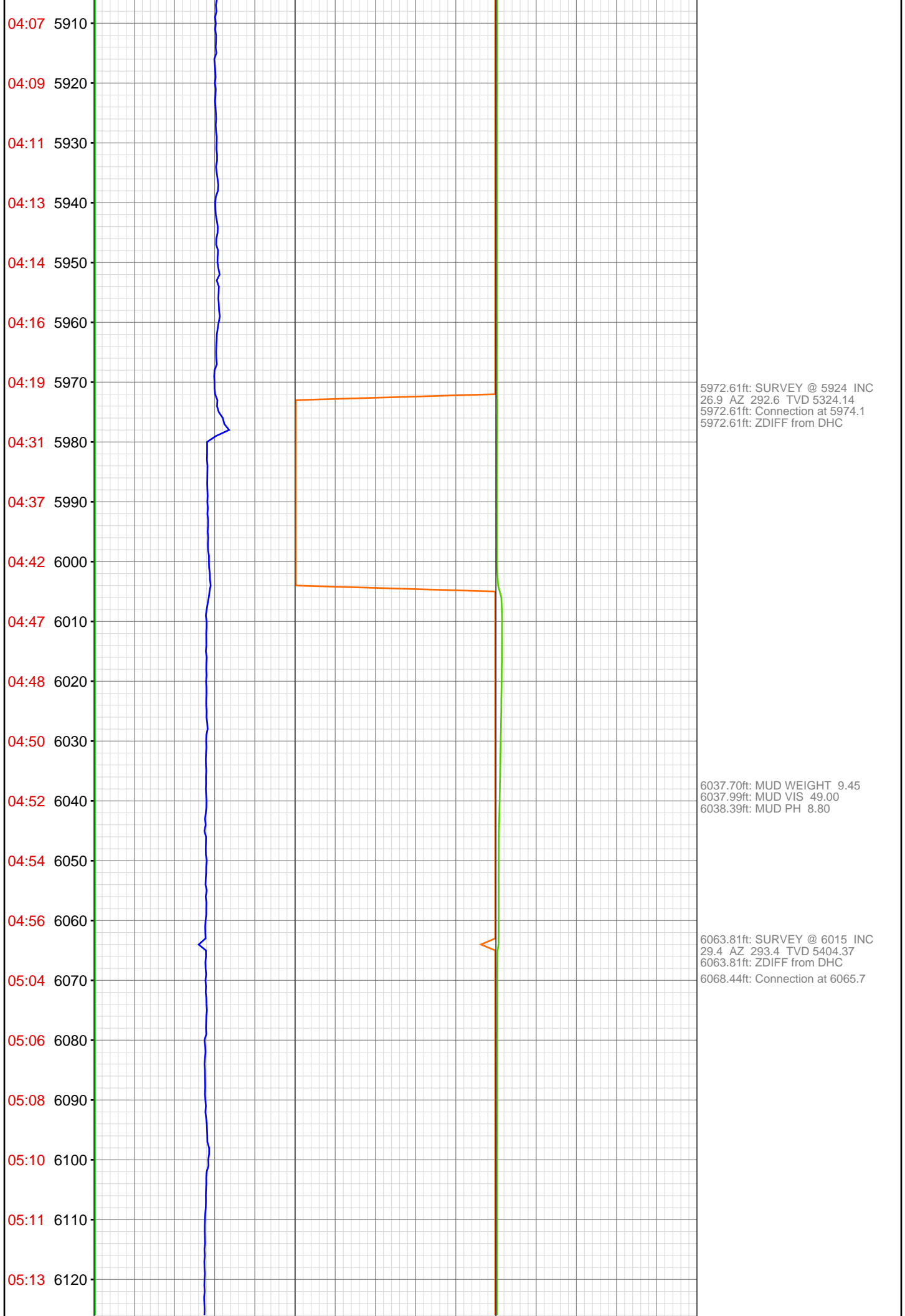
5699.48ft: MUD WEIGHT 9.35  
5699.48ft: MUD VIS 49.00  
5699.48ft: MUD PH 8.60  
5699.48ft: ZDIFF from DHC  
5699.48ft: ZDIFF from DHC  
5699.48ft: ZWOB from DHC  
5701.31ft: Connection at 5699.6  
SURVEY @ 5649 INC 29.4 AZ  
292.3 TVD 5082.13

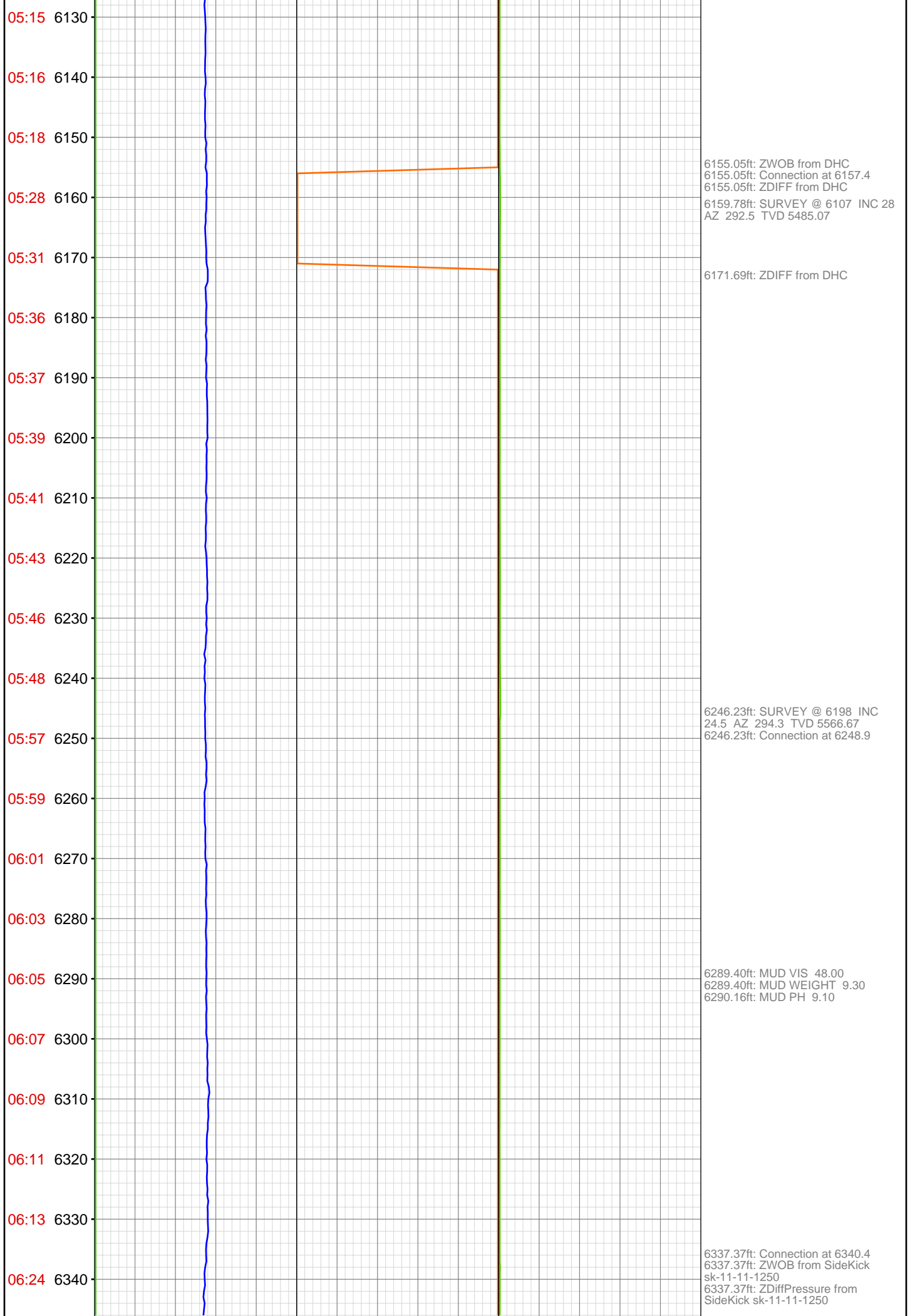
5790.72ft: Connection at 5790.9  
5793.54ft: SURVEY @ 5740 INC  
27.8 AZ 292.2 TVD 5162.02

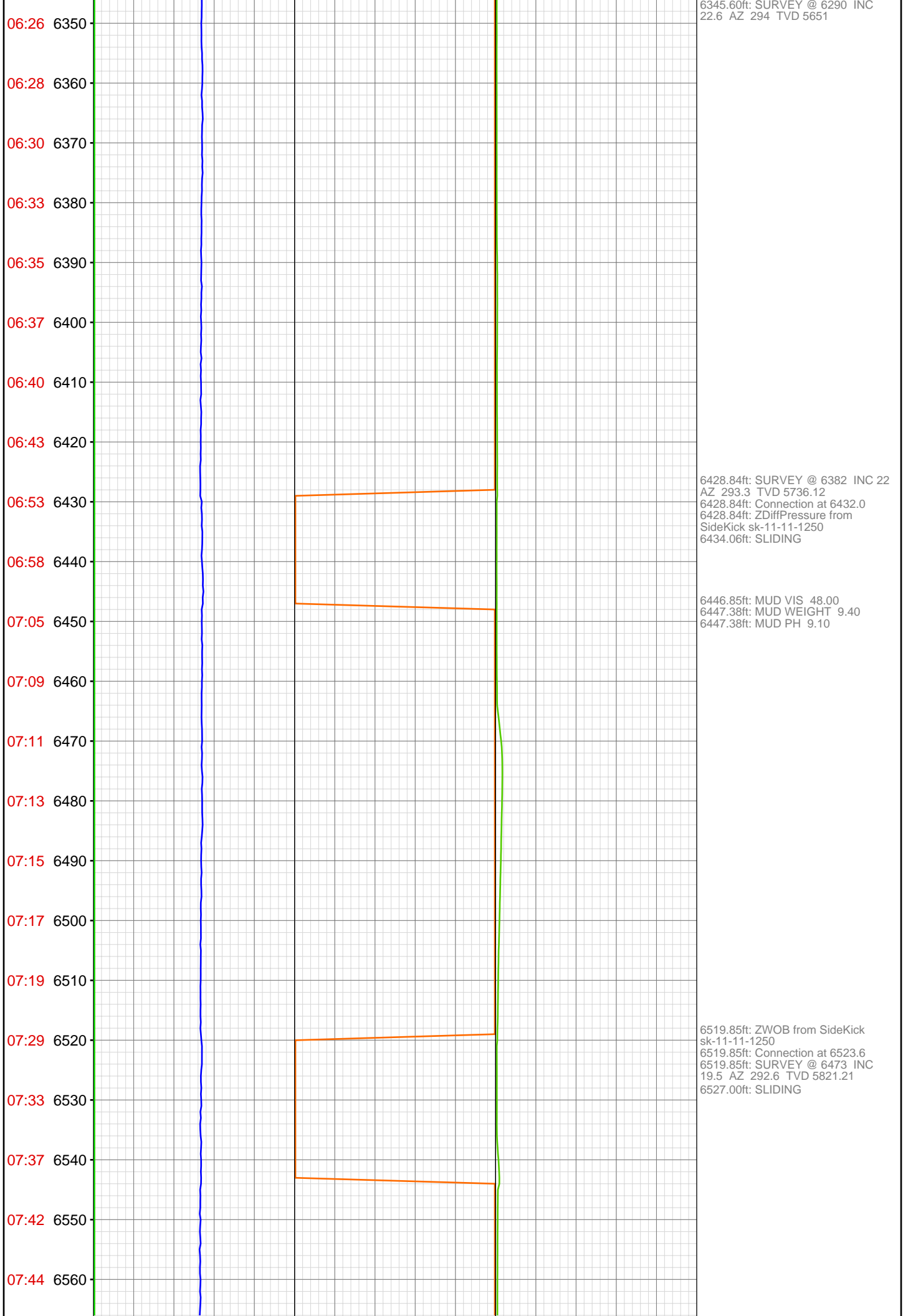
5815.75ft: ZDIFF from DHC

5874.05ft: MUD WEIGHT 9.40  
5874.05ft: MUD VIS 50.00  
5875.03ft: MUD PH 8.60

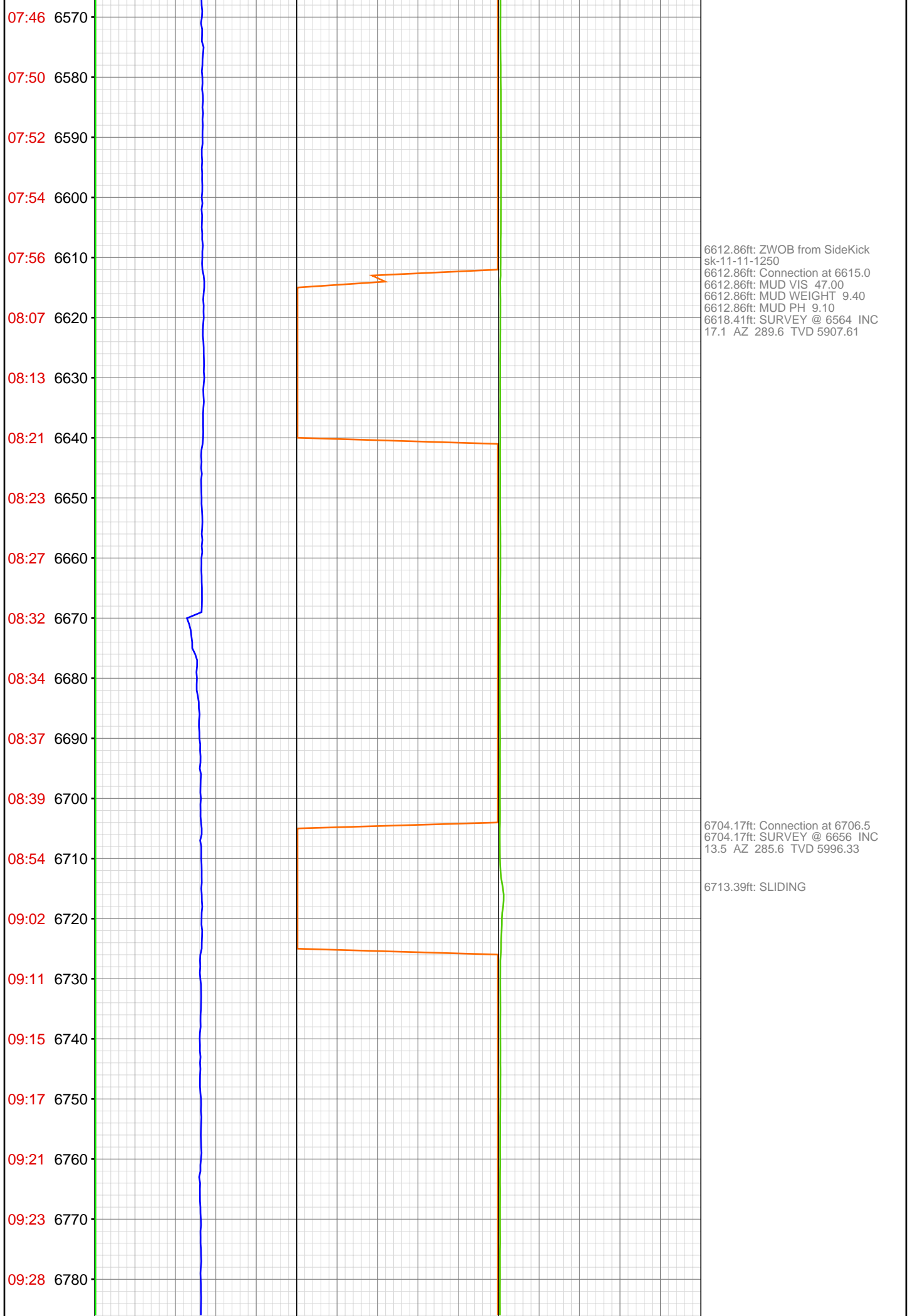
5882.09ft: SURVEY @ 5832 INC  
29.1 AZ 293.5 TVD 5242.9  
5883.01ft: IN TALLY: HOLE DEPTH  
SET TO 5882.5  
5886.78ft: Connection at 5882.5

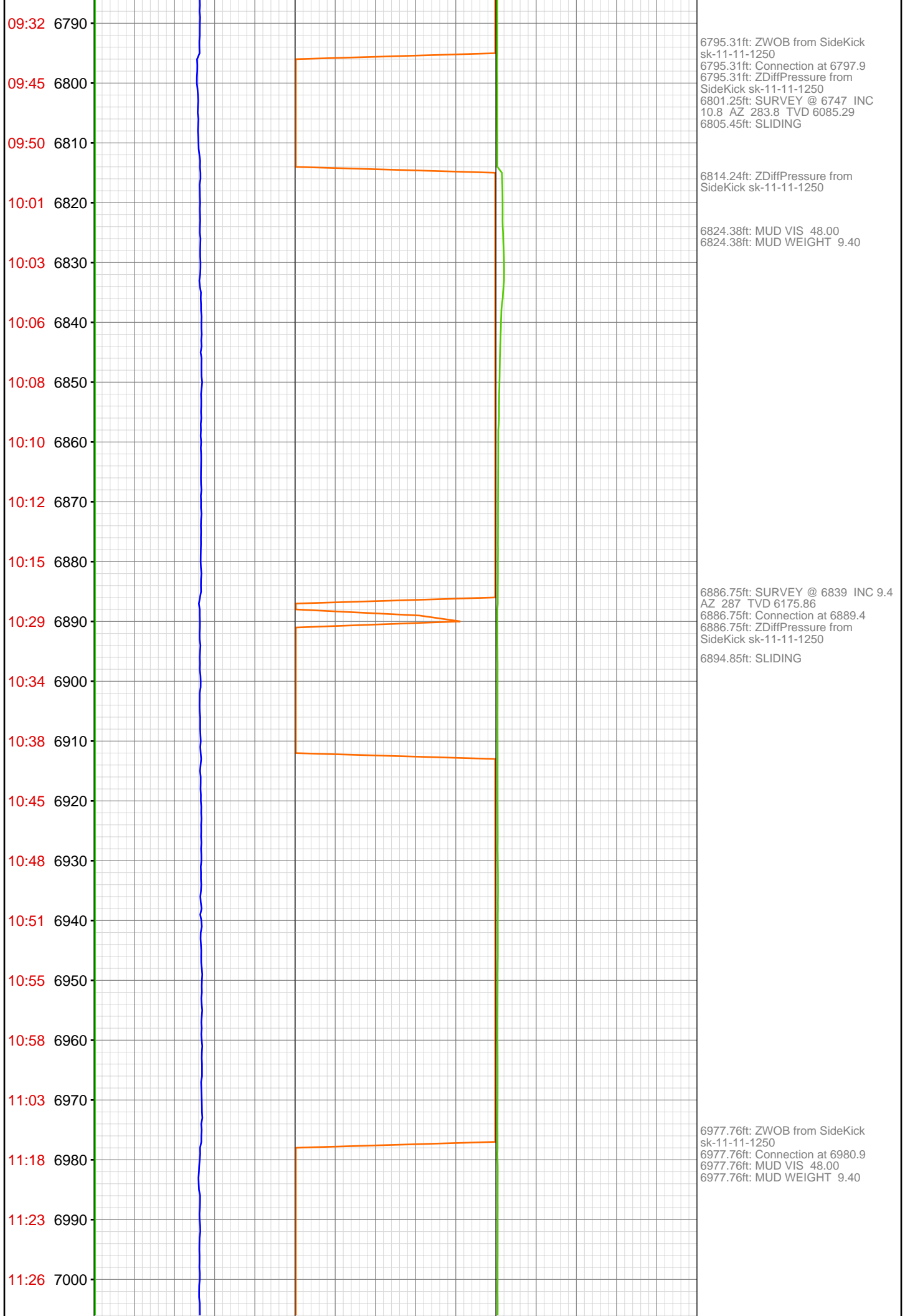


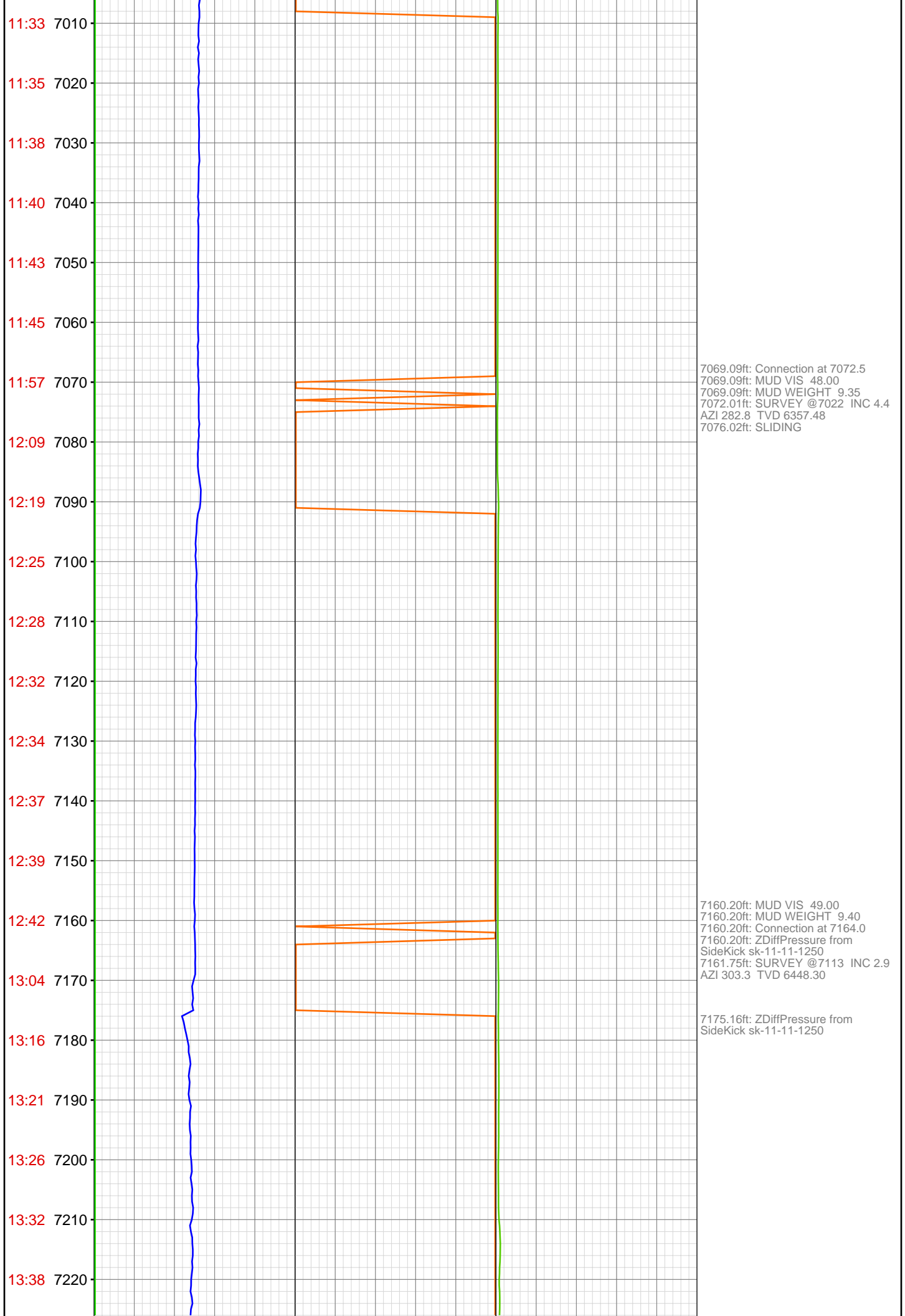












13:44 7230  
13:48 7240  
13:51 7250  
16:08 7260  
16:12 7270  
16:16 7280  
16:20 7290  
16:22 7300  
16:26 7310  
16:29 7320  
16:34 7330  
16:39 7340  
17:02 7350  
17:16 7360  
17:30 7370  
17:37 7380  
17:43 7390  
17:48 7400  
17:54 7410  
18:00 7420  
18:08 7430  
18:24 7440

7251.41ft: TRANSFERRED 60.00  
7251.41ft: MUD VIS 50.00  
7251.41ft: MUD WEIGHT 9.30  
7251.41ft: TRANSFERRED 60.00  
7251.41ft: SURVEY @7205 INC 1.3  
AZI 3.9 TVD 6538.24  
7251.41ft: HOOKLOAD WAS  
RECALIBRATED  
7251.41ft: HOOK LOAD  
THRESHOLD RECALIBRATED TO  
44  
7251.41ft: ZWOB from DHC  
7251.41ft: ZDIFF from DHC  
7251.41ft: ZWOB from DHC  
7251.41ft: IN TALLY: HOLE DEPTH  
SET TO 7255.4  
7264.67ft: MUD VIS 49.00  
7264.67ft: MUD WEIGHT 9.40

7345.21ft: Connection at 7255.4  
7345.21ft: SURVEY @7296 INC 1.4  
AZI 23.4 TVD 6631.22  
7345.21ft: MUD VIS 49.00  
7345.21ft: MUD WEIGHT 9.40  
7345.21ft: MUD PH 9.10  
7345.21ft: ZDiffPressure from  
SideKick sk-11-11-1250

7400.00ft: MUD WEIGHT 9.40  
7400.00ft: MUD VIS 48.00  
7400.30ft: MUD PH 8.60

7436.45ft: SURVEY @7388 INC 0.7  
AZI 289.6 TVD 6723.21  
7436.45ft: Connection at 7438.4  
7436.45ft: ZDIFF from DHC

18:31 7450  
18:38 7460  
18:44 7470  
18:55 7480  
19:05 7490  
19:12 7500  
19:20 7510  
19:28 7520  
20:02 7530  
20:12 7540  
20:20 7550  
20:28 7560  
20:35 7570  
20:41 7580  
20:48 7590  
20:53 7600  
20:58 7610  
21:08 7620  
21:16 7630  
21:21 7640  
21:26 7650  
21:32 7660

7476.61ft: MUD WEIGHT 9.45  
7476.61ft: MUD VIS 50.00  
7476.61ft: MUD PH 8.50  
7482.05ft: ZDIFF from DHC  
7482.05ft: ZWOB from DHC

7527.79ft: MUD WEIGHT 9.45  
7527.79ft: MUD VIS 51.00  
7527.79ft: MUD PH 9.20  
7527.79ft: ZDIFF from DHC  
7527.79ft: Connection at 7529.9  
7530.35ft: SURVEY @7479 INC 0.7  
AZI 283.6 TVD 6814.20

7598.98ft: MUD WEIGHT 9.50  
7599.38ft: MUD VIS 54.00  
7599.38ft: MUD PH 9.00

7618.90ft: SURVEY @7571 INC 0.7  
AZI 252.9 TVD 6906.19  
7618.90ft: ZDIFF from DHC  
7621.88ft: Connection at 7621.5

21:37 7670  
21:45 7680  
21:50 7690  
21:54 7700  
22:09 7710  
22:23 7720  
22:36 7730  
22:41 7740  
22:45 7750  
22:50 7760  
22:54 7770  
23:01 7780  
23:09 7790  
23:12 7800  
23:39 7810  
23:51 7820  
23:58 7830  
Aug 01, 2012  
00:02 7840  
00:08 7850  
00:12 7860  
00:20 7870  
00:26 7880

7695.60ft: MUD WEIGHT 9.55  
7695.60ft: MUD VIS 52.00  
7696.00ft: MUD PH 8.80

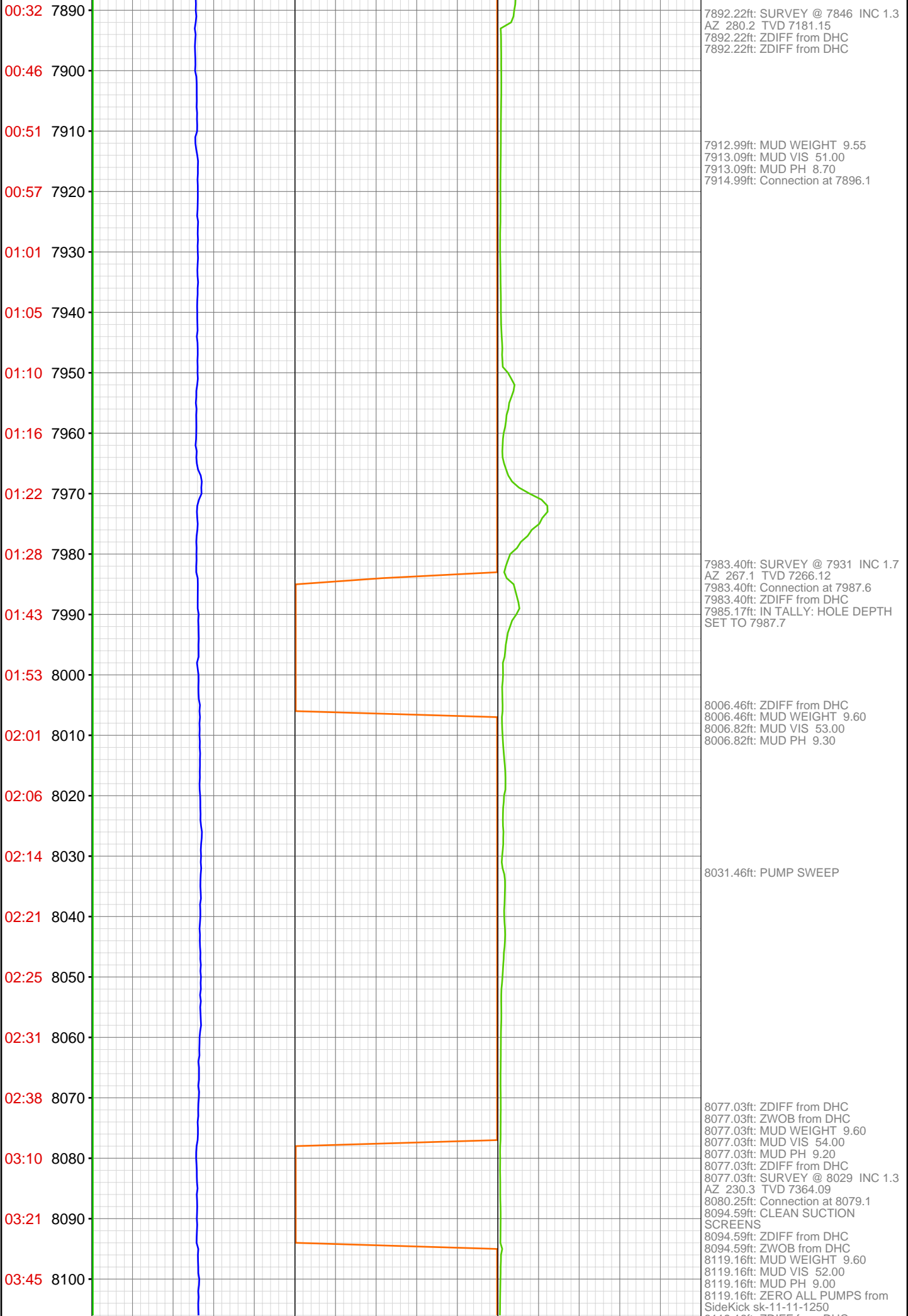
7709.74ft: SURVEY @7663 INC 1.0  
AZI 216.1 TVD 6998.18  
7709.74ft: ZDIFF from DHC  
7709.74ft: Connection at 7713.1

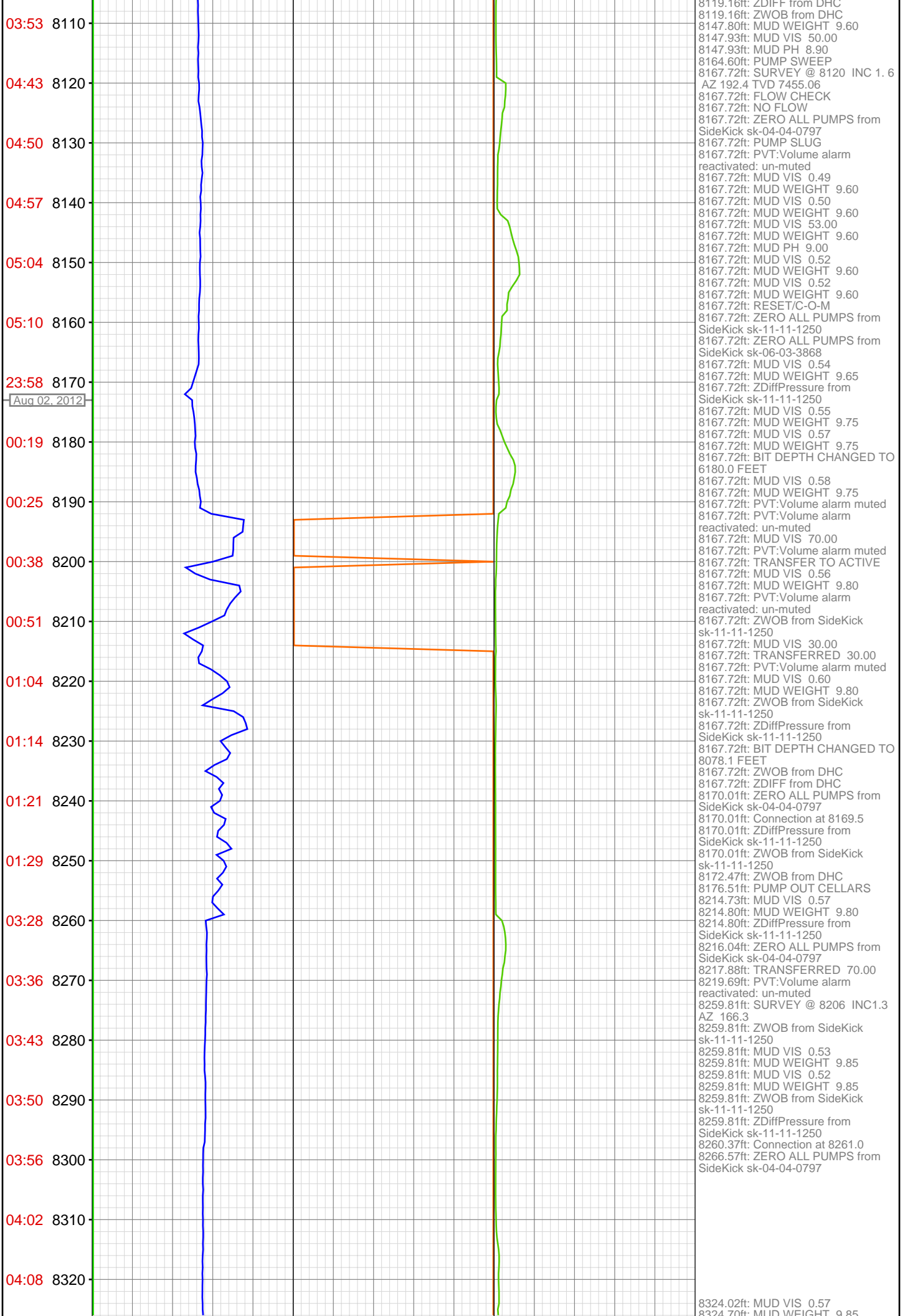
7764.01ft: MUD WEIGHT 9.55  
7764.17ft: MUD VIS 56.00  
7764.63ft: MUD PH 8.70

7800.98ft: ZWOB from DHC  
7800.98ft: Connection at 7804.6  
7800.98ft: ZDIFF from DHC  
7802.26ft: SURVEY @7754 INC 1.0  
AZI 227.8 TVD 7089.17

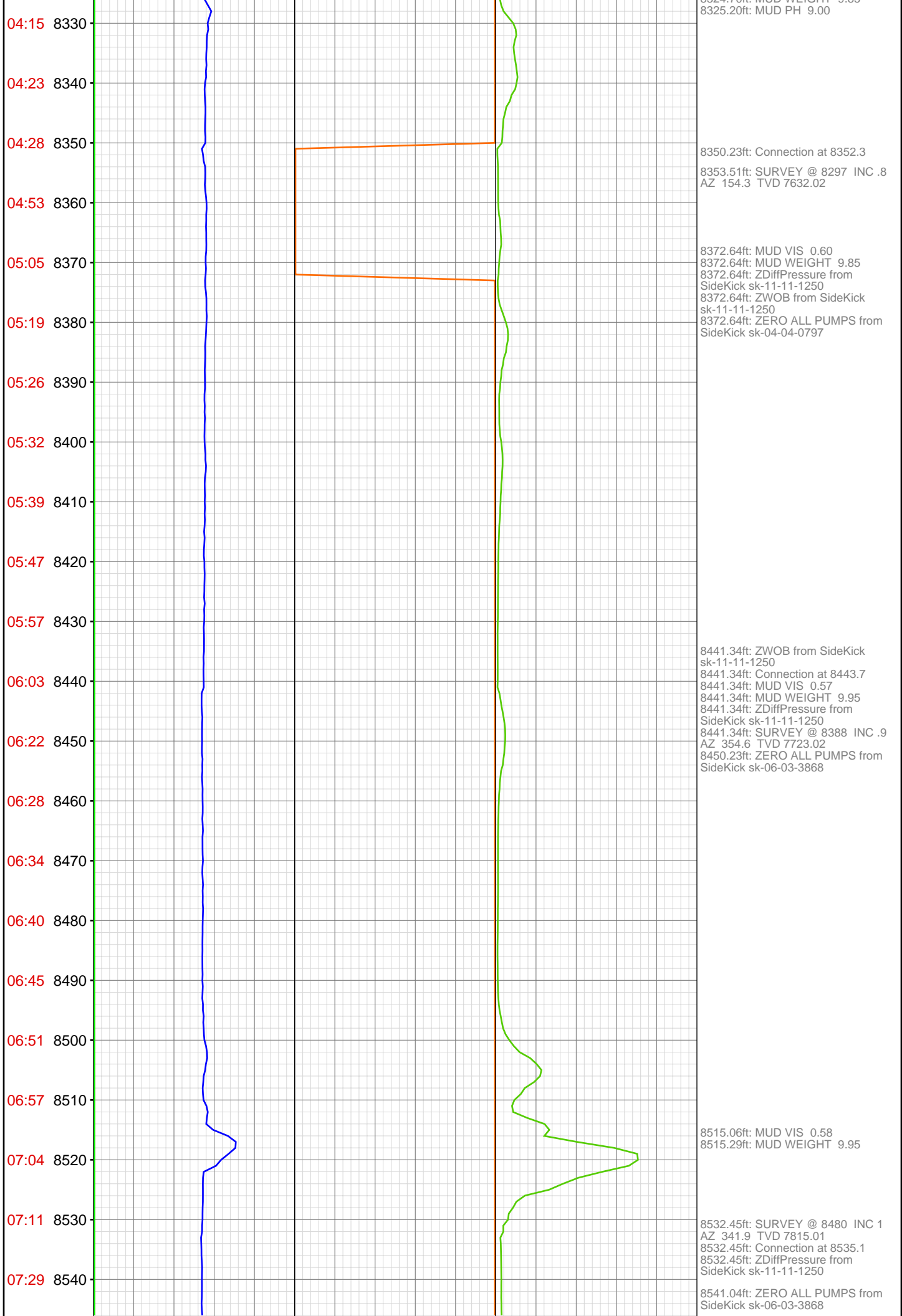
7817.98ft: ZDIFF from DHC

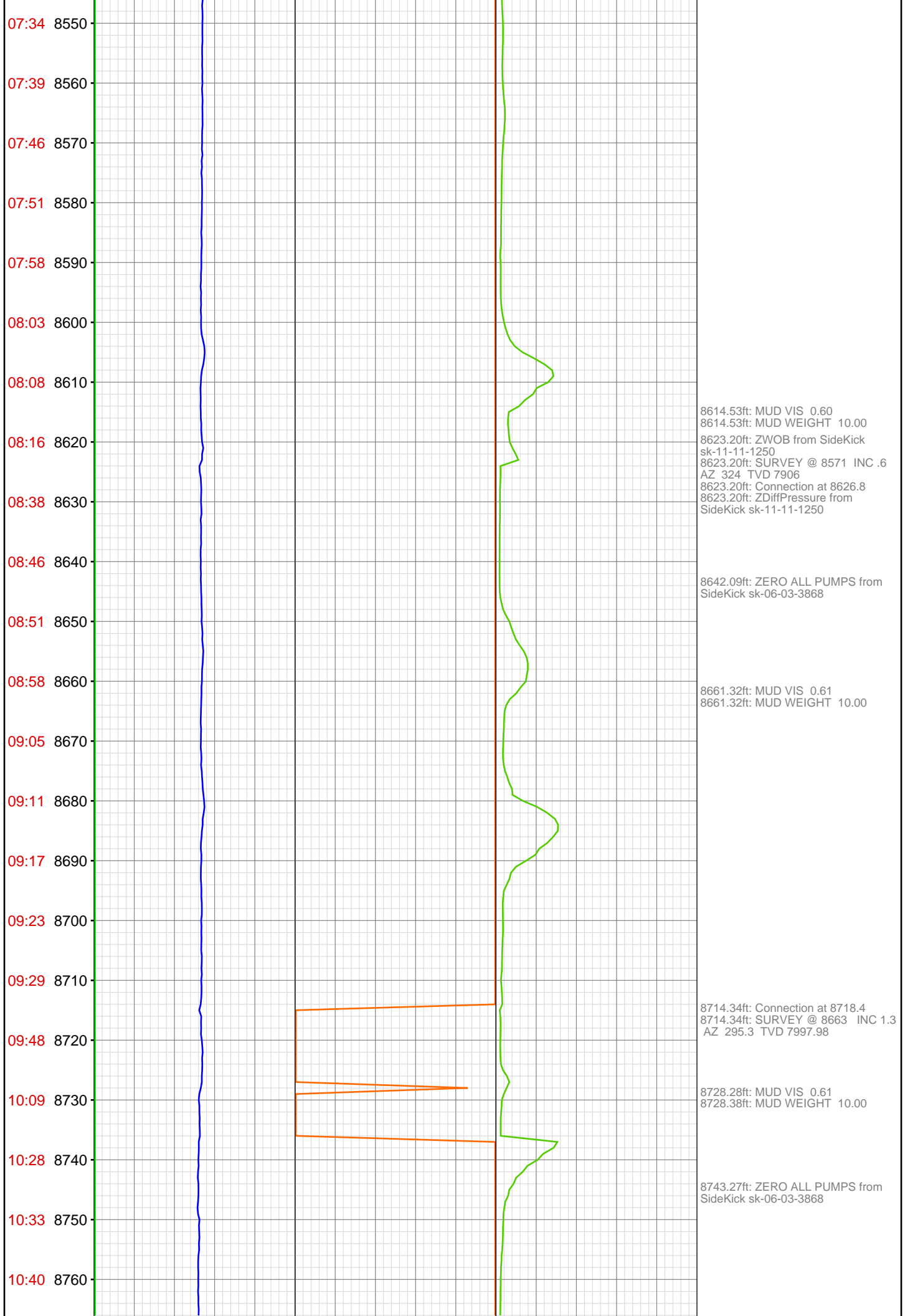
7824.31ft: MUD WEIGHT 9.55  
7824.31ft: MUD VIS 53.00  
7824.61ft: MUD PH 8.70

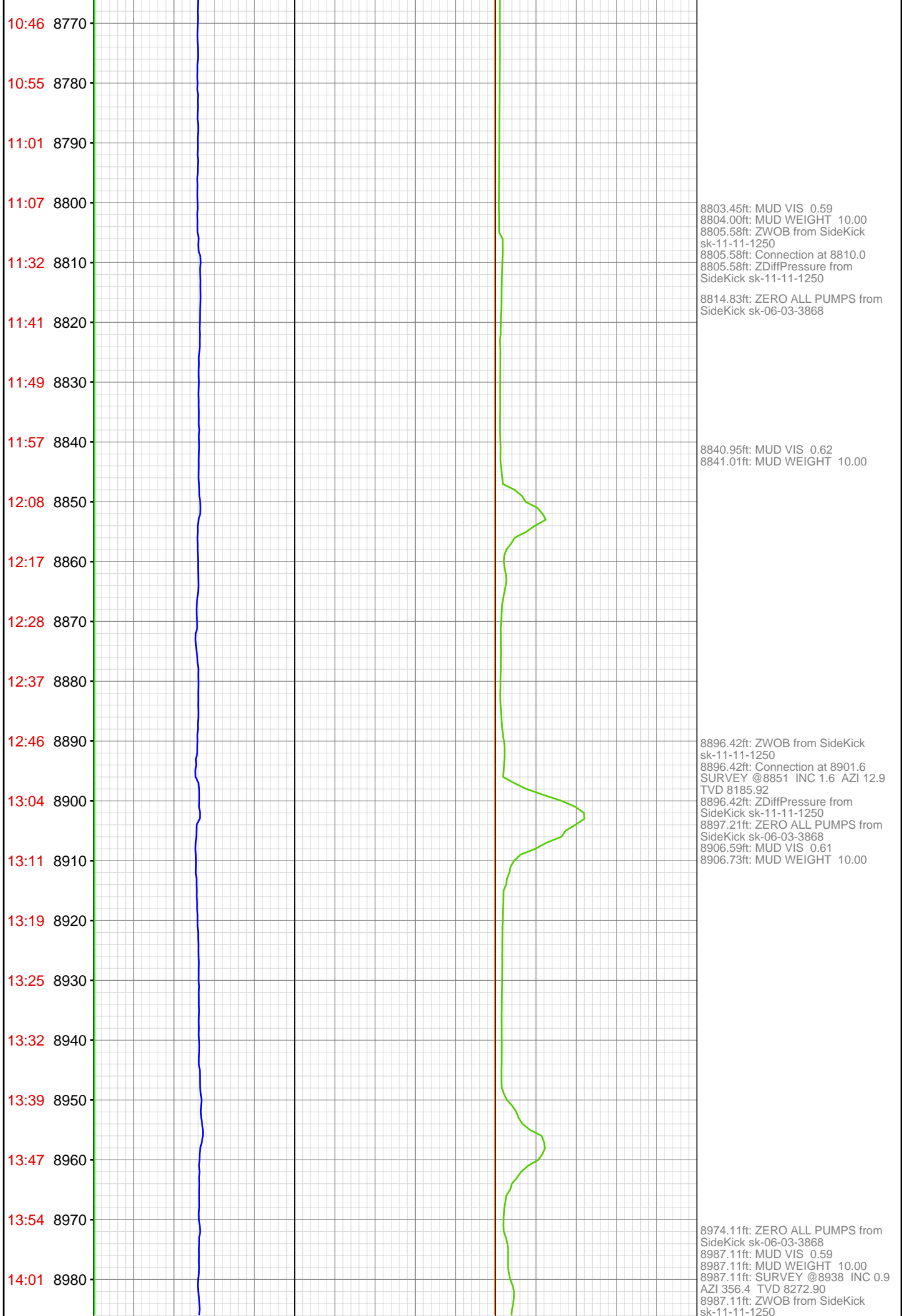


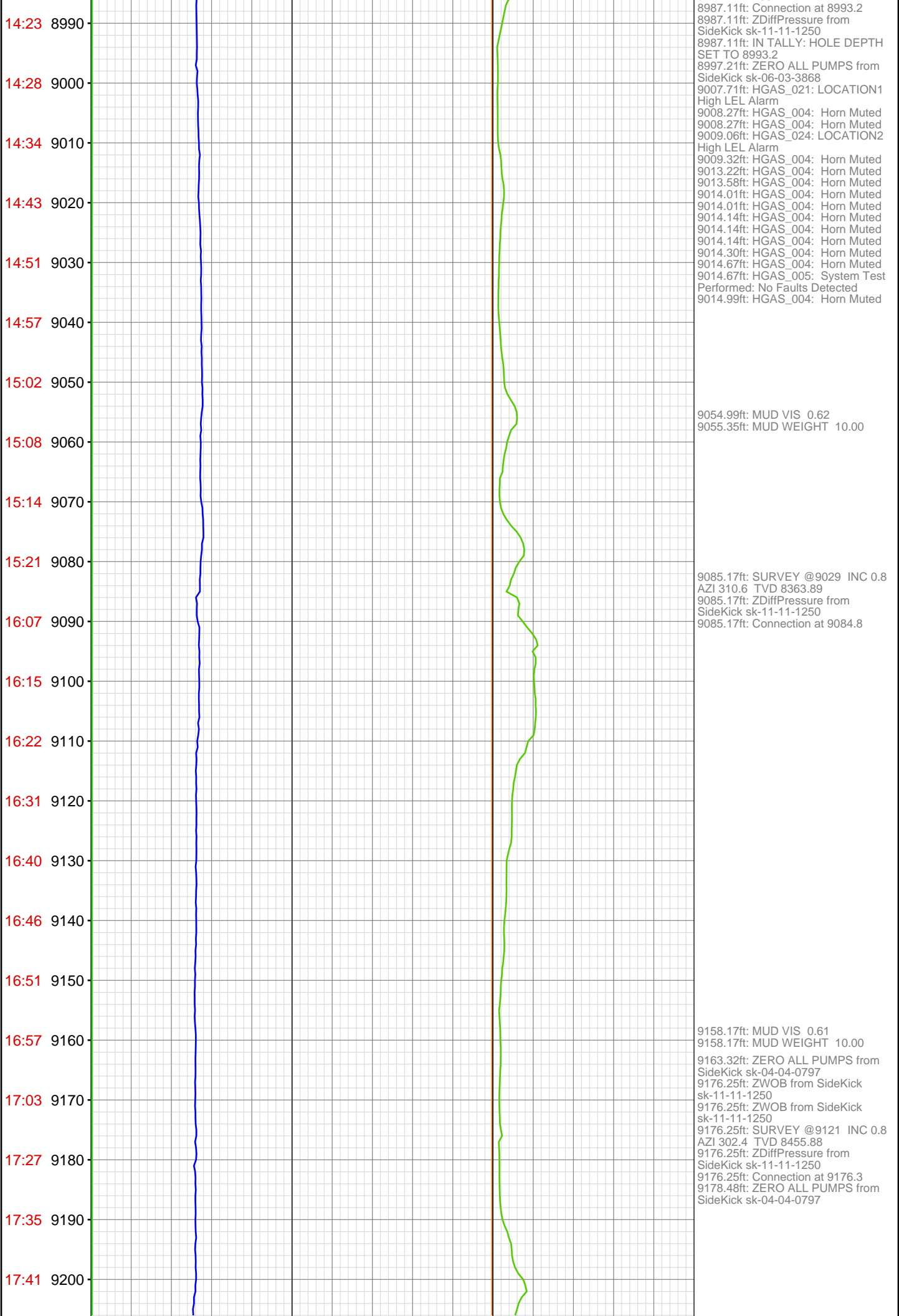


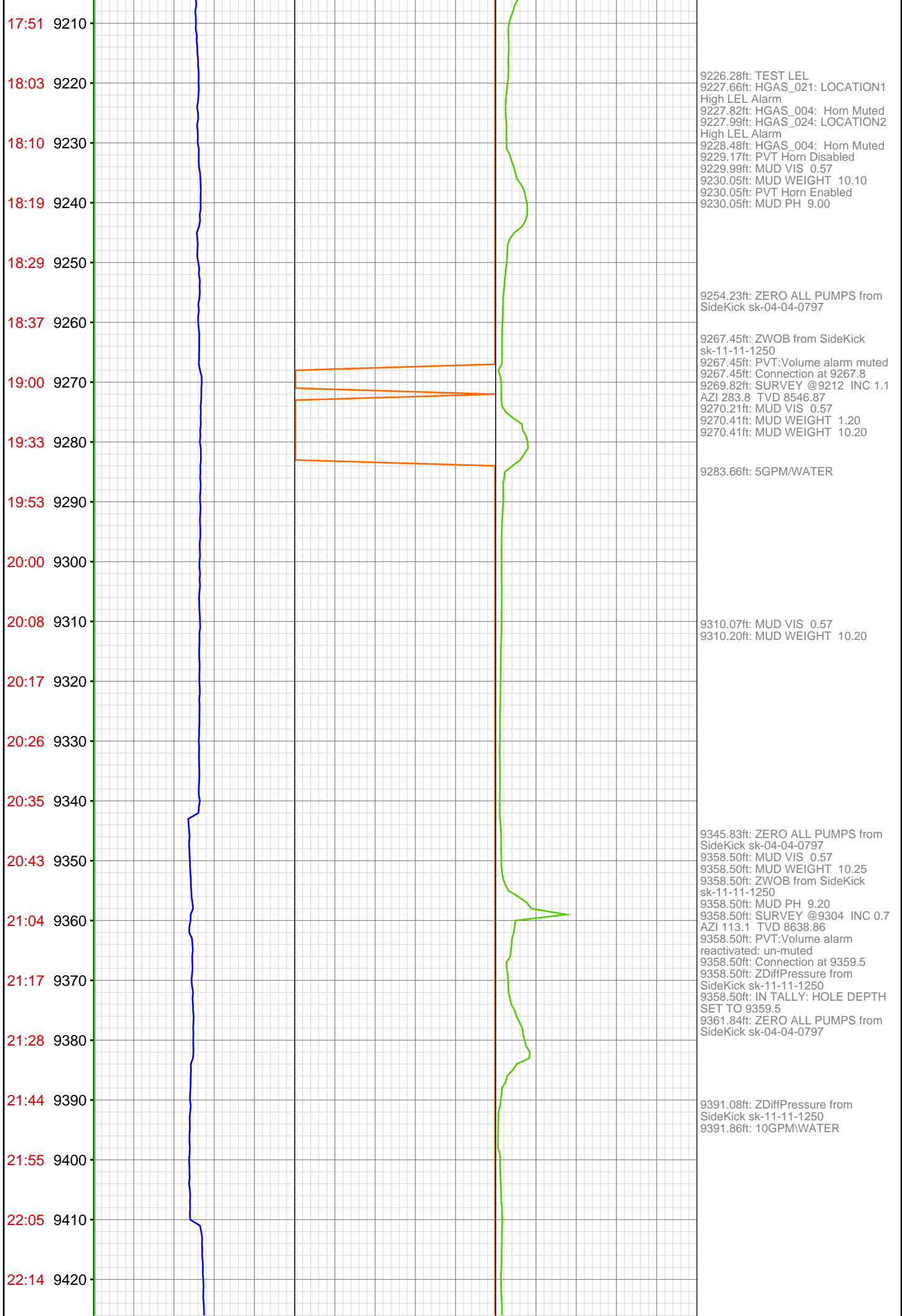












22:24 9430

22:34 9440

22:42 9450

23:00 9460

23:05 9470

23:13 9480

23:21 9490

23:27 9500

23:39 9510

23:50 9520

00:04 9530

00:08 9540

00:27 9550

00:36 9560

00:45 9570

00:56 9580

01:03 9590

01:08 9600

01:13 9610

01:20 9620

01:28 9630

01:58 9640

Aug 03, 2012

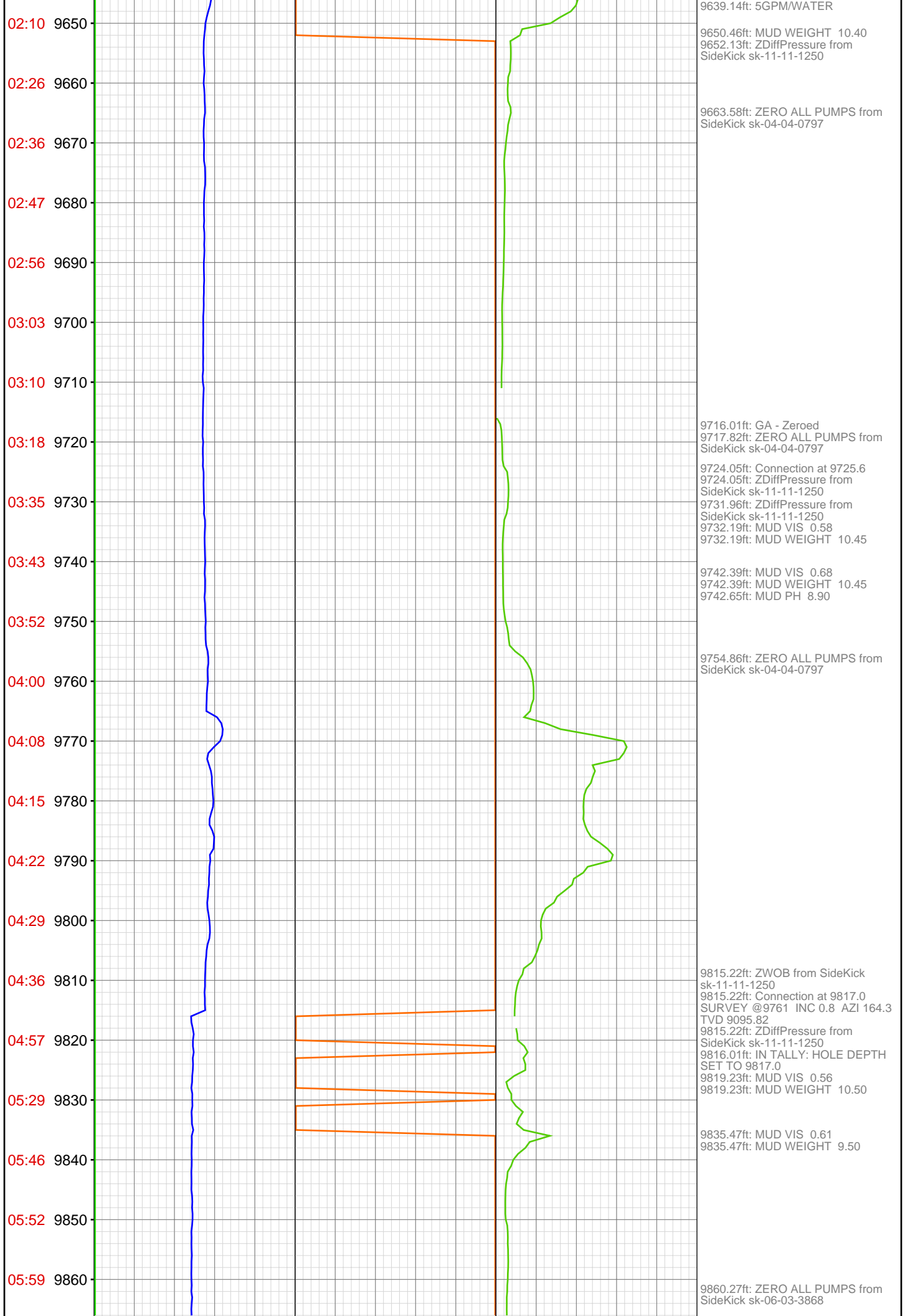
9438.58ft: MUD VIS 60.00  
9439.01ft: MUD WEIGHT 10.25  
9444.42ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868  
9450.62ft: SURVEY @9396 INC 0.4  
AZI 144.0 TVD 8730.86  
9450.62ft: Connection at 9451.0  
9450.62ft: ZDiffPressure from  
SideKick sk-11-11-1250  
9450.62ft: 15GPM/PREMIX  
9455.97ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868

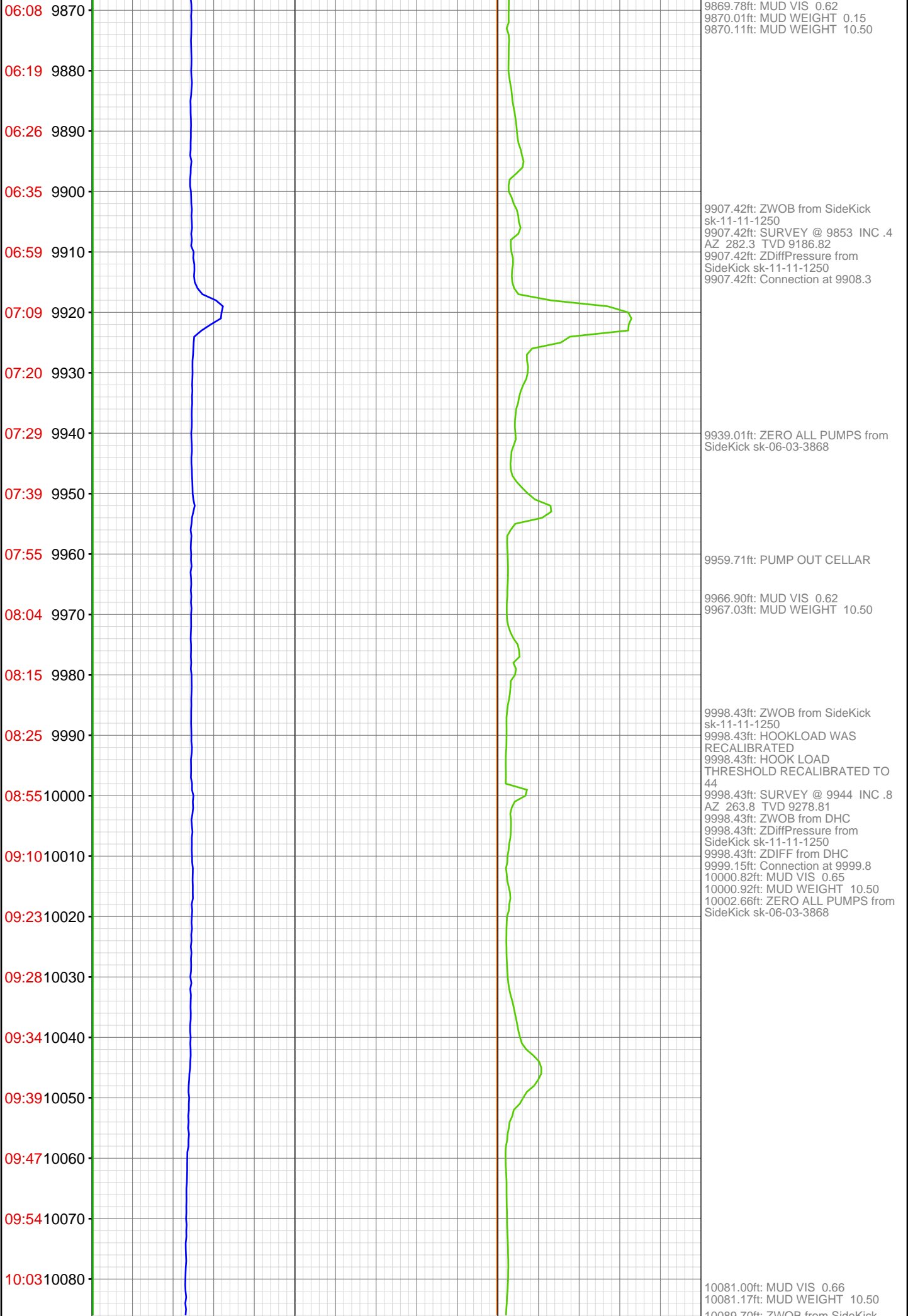
9487.01ft: 0GPM/PREMIX

9502.66ft: MUD VIS 0.58  
9502.82ft: MUD WEIGHT 10.30

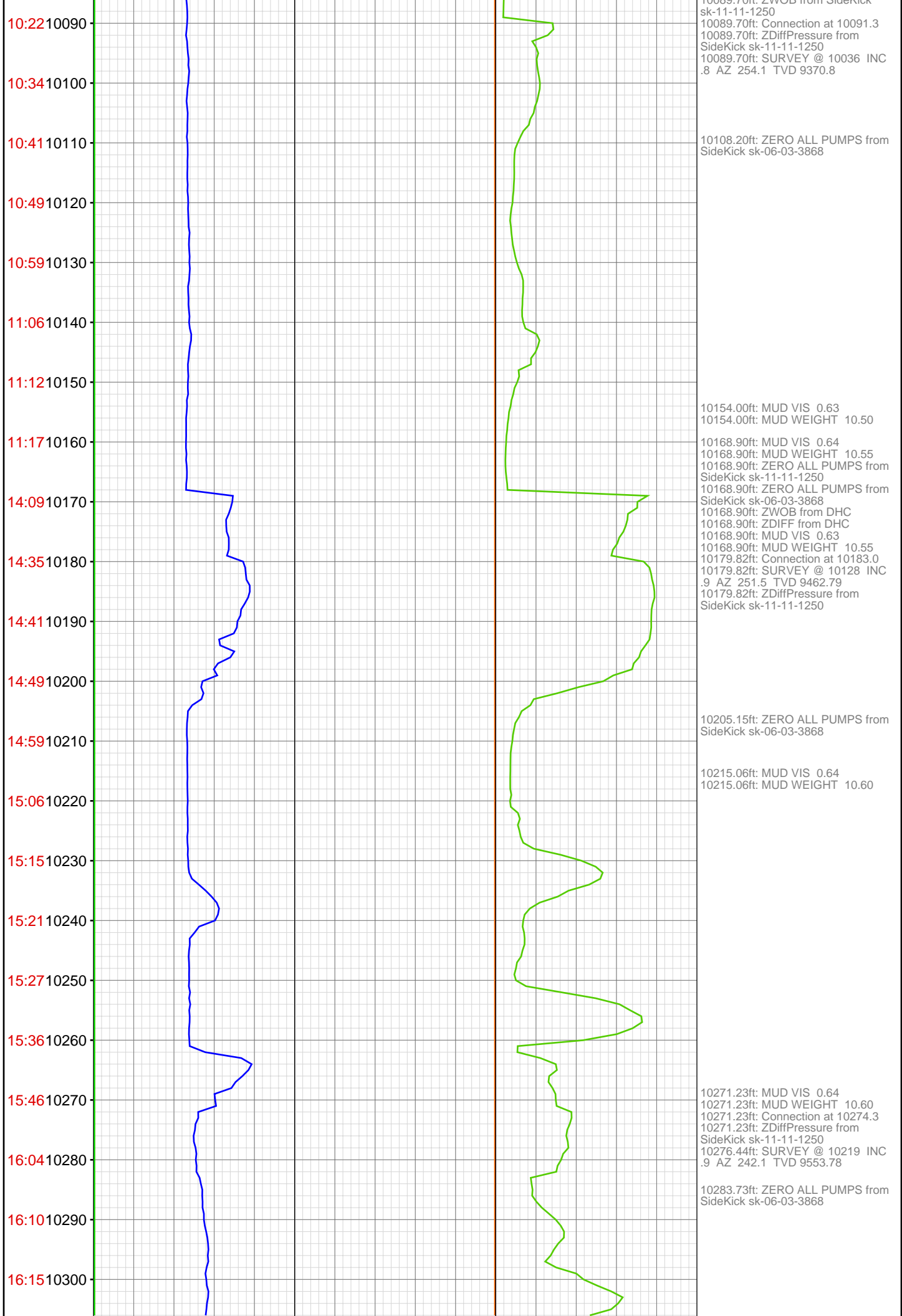
9536.55ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797  
9541.73ft: ZWOB from SideKick  
sk-11-11-1250  
9541.73ft: PVT:Volume alarm  
snoozed 5 min  
9541.73ft: Connection at 9542.5  
9541.73ft: SURVEY @9487 INC 0.7  
AZI 195.1 TVD 8821.85  
9541.73ft: MUD VIS 0.60  
9541.73ft: MUD WEIGHT 10.30  
9541.73ft: ZDiffPressure from  
SideKick sk-11-11-1250  
9541.73ft: PVT:Volume alarm  
reactivated: snooze expired  
9546.46ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868

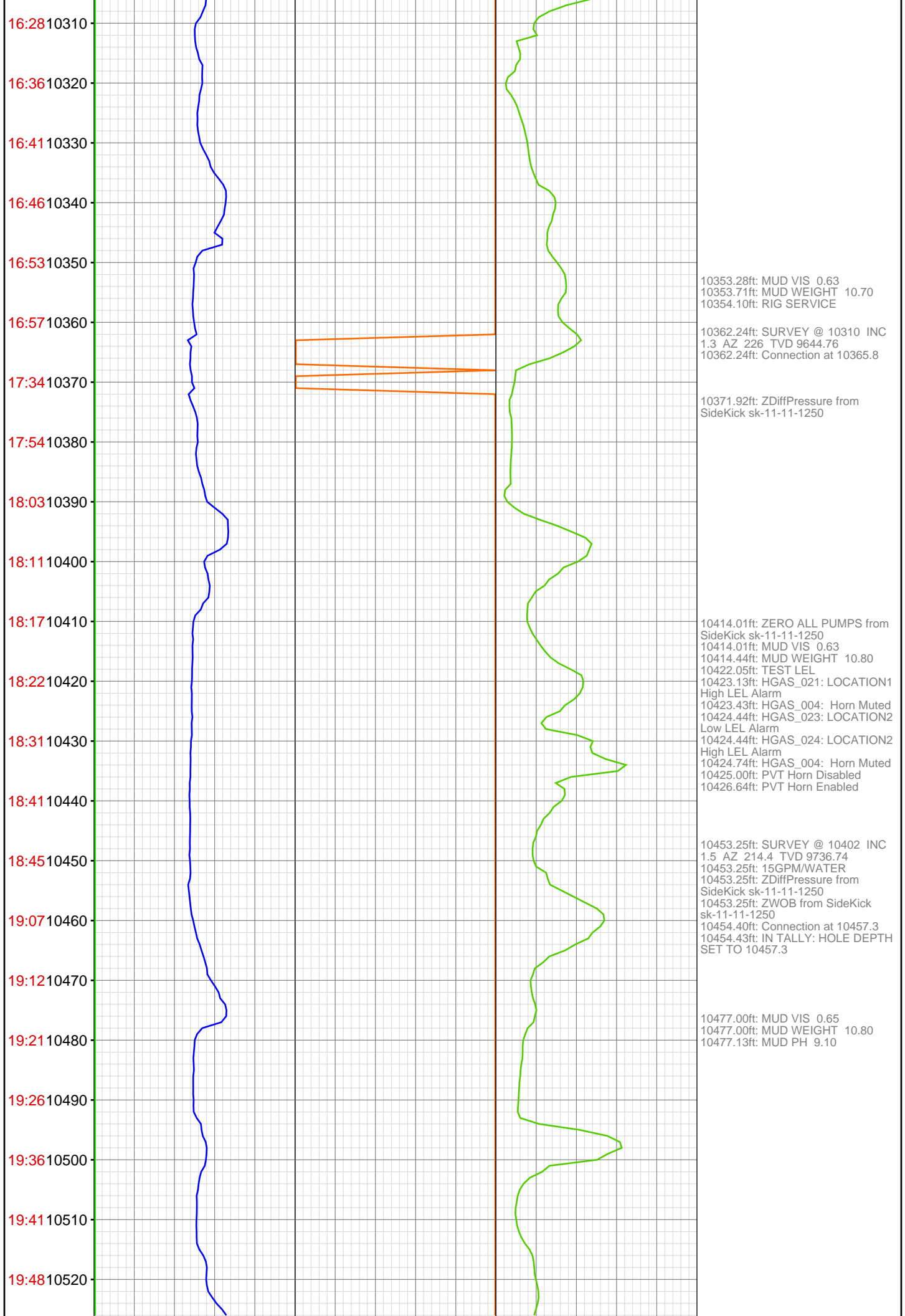
9629.33ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797  
9632.84ft: PVT:Volume alarm  
snoozed 5 min  
9632.84ft: Connection at 9634.0  
9632.84ft: ZDiffPressure from  
SideKick sk-11-11-1250  
9632.84ft: MUD VIS 0.59  
9632.84ft: MUD WEIGHT 10.30  
9632.84ft: PVT:Volume alarm  
reactivated: snooze expired  
9632.84ft: MUD PH 6.30  
9633.99ft: SURVEY @9579 INC 1.1  
AZI 199.5 TVD 8913.84  
9637.99ft: PVT:Volume alarm  
reactivated: un-muted

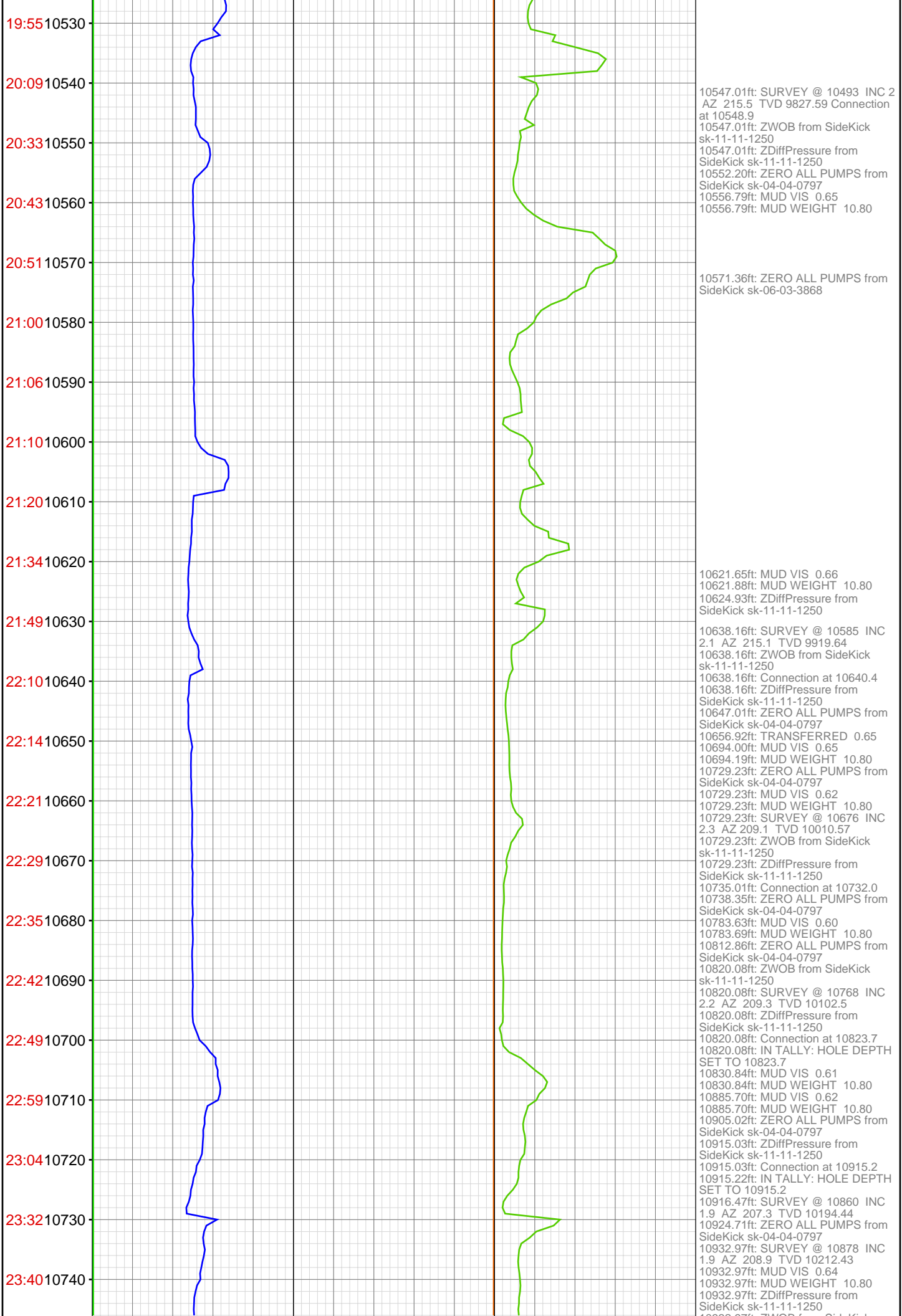












23:49 10750  
23:57 10760  
Aug 04, 2012  
00:08 10770  
00:24 10780  
00:43 10790  
00:54 10800  
01:10 10810  
01:30 10820  
01:57 10830  
02:11 10840  
02:24 10850  
02:36 10860  
02:47 10870  
03:00 10880  
03:09 10890  
03:17 10900  
03:24 10910  
03:44 10920  
03:51 10930  
10940



10932.97ft: ZWOB from SideKick  
sk-11-11-1250  
10932.97ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797  
10932.97ft: MUD VIS 0.65  
10932.97ft: MUD WEIGHT 10.80  
10932.97ft: MUD PH 9.30  
10932.97ft: FLOW CHECK  
10932.97ft: NO FLOW  
10932.97ft: PUMP OUT CELLAR  
10932.97ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797  
10932.97ft: MUD VIS 0.59  
10932.97ft: MUD WEIGHT 10.80  
10932.97ft: PVT:Volume alarm muted  
10932.97ft: MUD VIS 0.58  
10932.97ft: MUD WEIGHT 10.80  
10932.97ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797  
10933.04ft: ZDiffPressure from  
SideKick sk-11-11-1250  
10933.04ft: MUD VIS 0.64  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10933.04ft: MUD VIS 0.63  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: ZDiffPressure from  
SideKick sk-11-11-1250  
10933.04ft: ZDiffPressure from  
SideKick sk-11-11-1250  
10933.04ft: MUD VIS 0.62  
10933.04ft: MUD WEIGHT 10.85  
10933.04ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797  
10933.04ft: ZDiffPressure from  
SideKick sk-11-11-1250  
10933.04ft: PVT:Volume alarm  
reactivated: un-muted  
10933.04ft: MUD VIS 0.62  
10933.04ft: MUD WEIGHT 10.85  
10933.04ft: MUD VIS 0.65  
10933.04ft: MUD WEIGHT 10.85  
10933.04ft: PVT:Volume alarm muted  
10933.04ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797  
10933.04ft: MUD VIS 0.60  
10933.04ft: MUD WEIGHT 10.85  
10933.04ft: MUD PH 8.80  
10933.04ft: MUD VIS 0.66  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: MUD VIS 0.66  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: MUD VIS 0.62  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: MUD VIS 0.64  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: MUD VIS 0.63  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: MUD PH 9.30  
10933.04ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10933.04ft: MUD VIS 0.63  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: MUD VIS 0.63  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10933.04ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10933.04ft: MUD VIS 0.62  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: BIT DEPTH CHANGED  
TO 4165.7 FEET  
10933.04ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10933.04ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10933.04ft: MUD VIS 0.61  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: MUD VIS 0.62  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10933.04ft: PUMP OUT CELLAR  
10933.04ft: MUD VIS 0.64  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: MUD VIS 0.64  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10933.04ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10933.04ft: MUD VIS 0.52  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: PVT:Volume alarm  
reactivated: un-muted  
10933.04ft: PVT:Volume alarm muted  
10933.04ft: MUD VIS 0.58  
10933.04ft: MUD WEIGHT 10.80  
10933.04ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10933.04ft: ZDIFF from DHC  
10933.04ft: MUD VIS 0.47  
10933.04ft: MUD WEIGHT 10.80