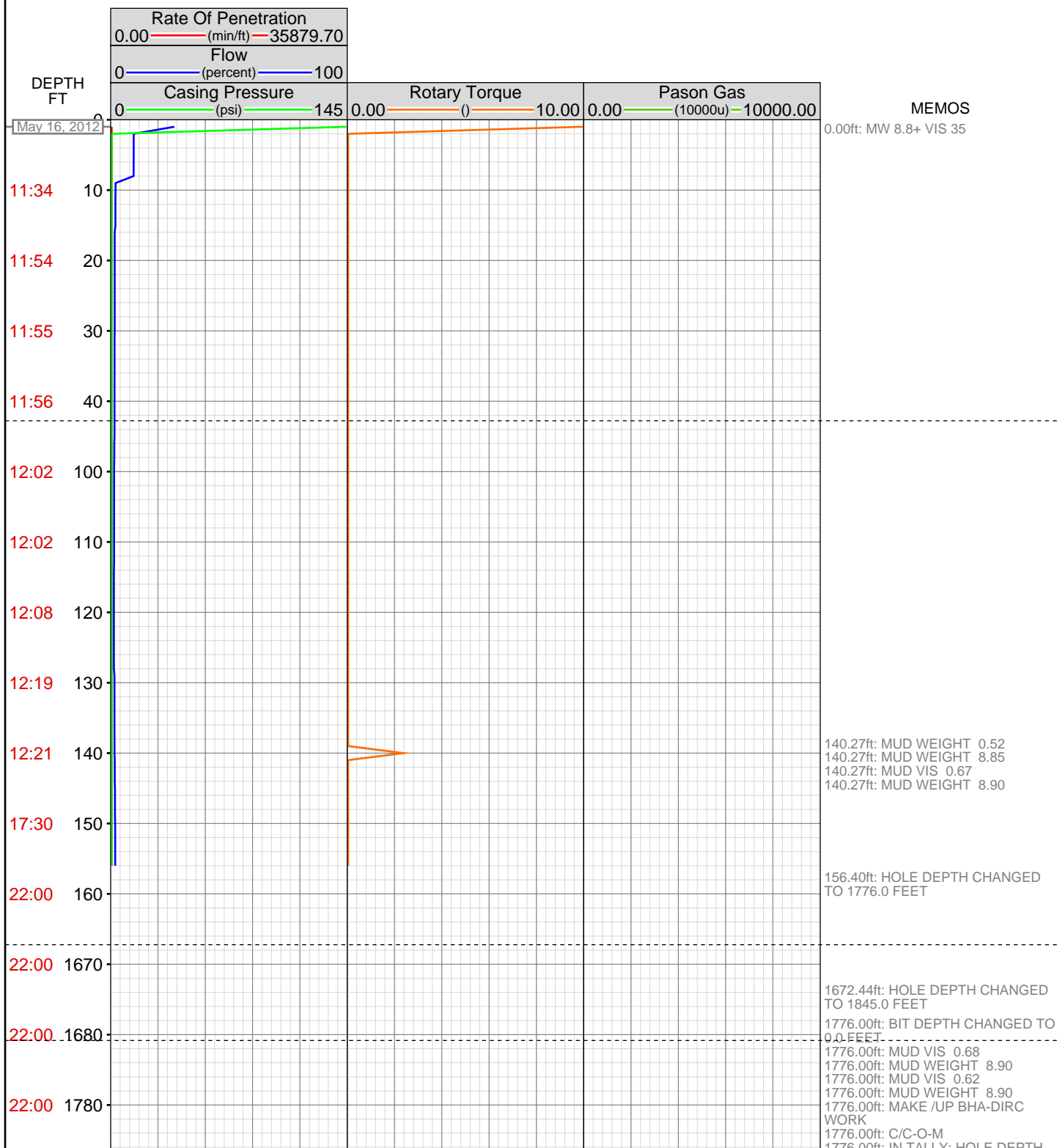


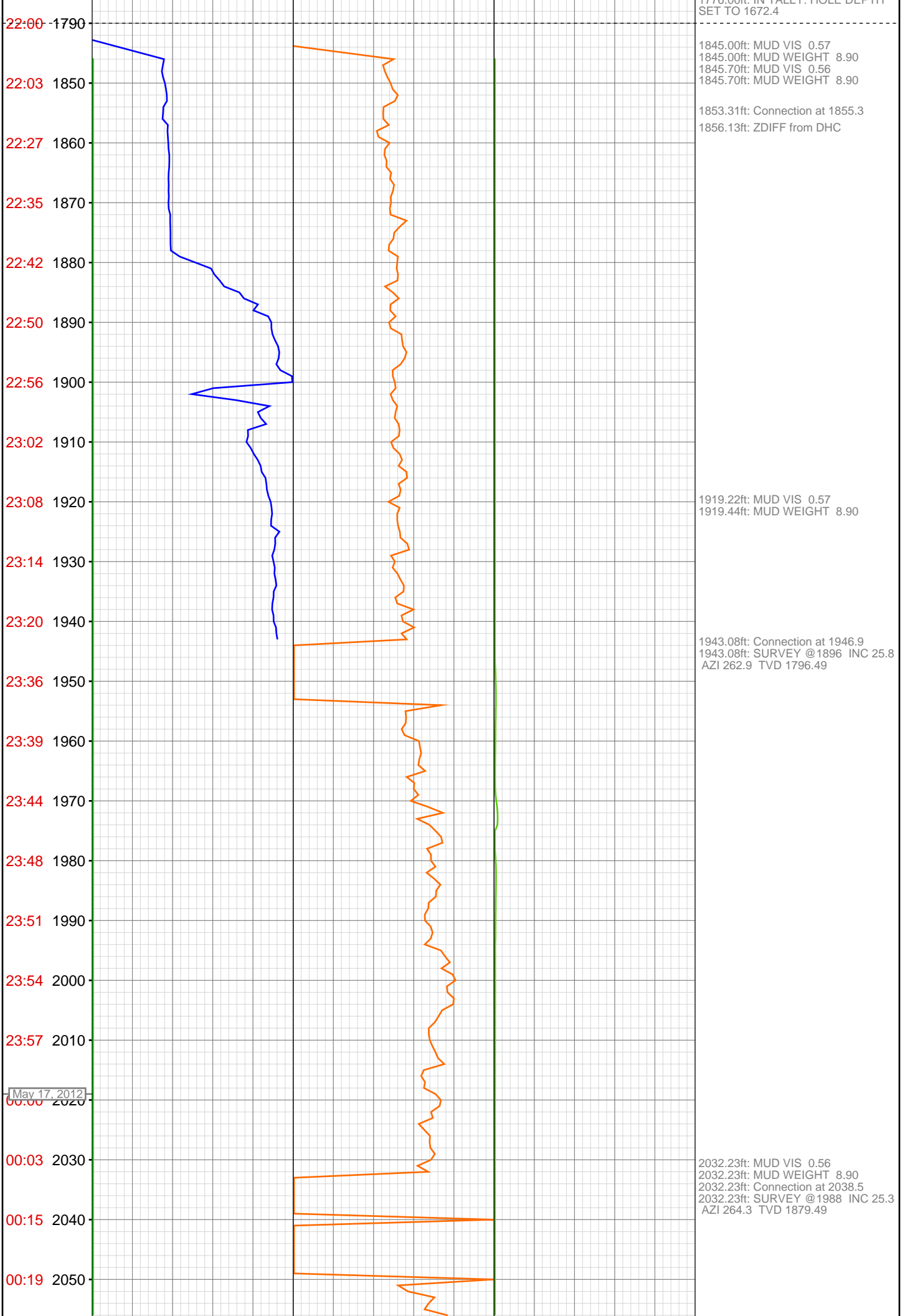
DataHub EDR Log

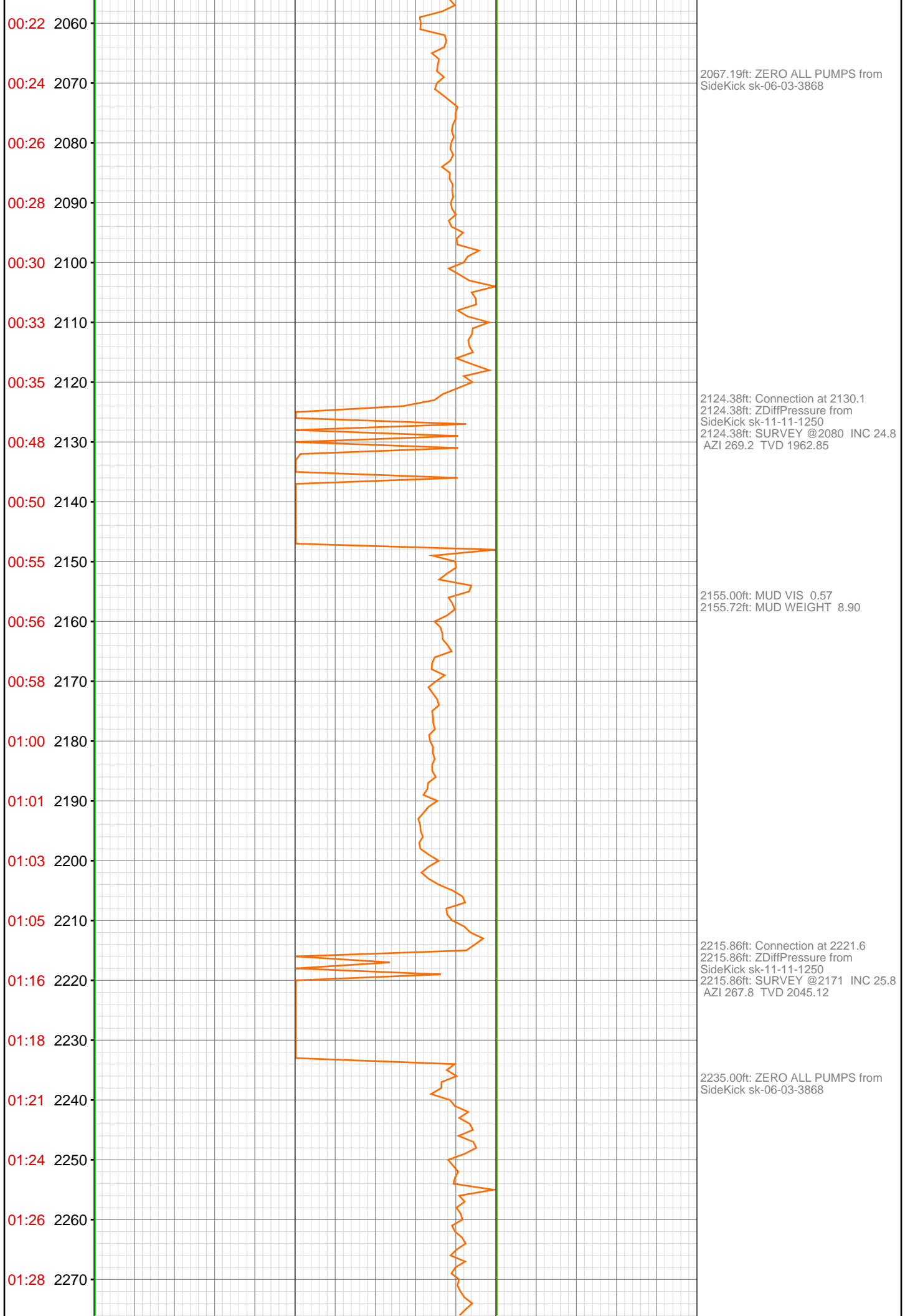
Thu May 31, 2012 08:58:05
Well Dossier 1337172645
Marilyn Tucker

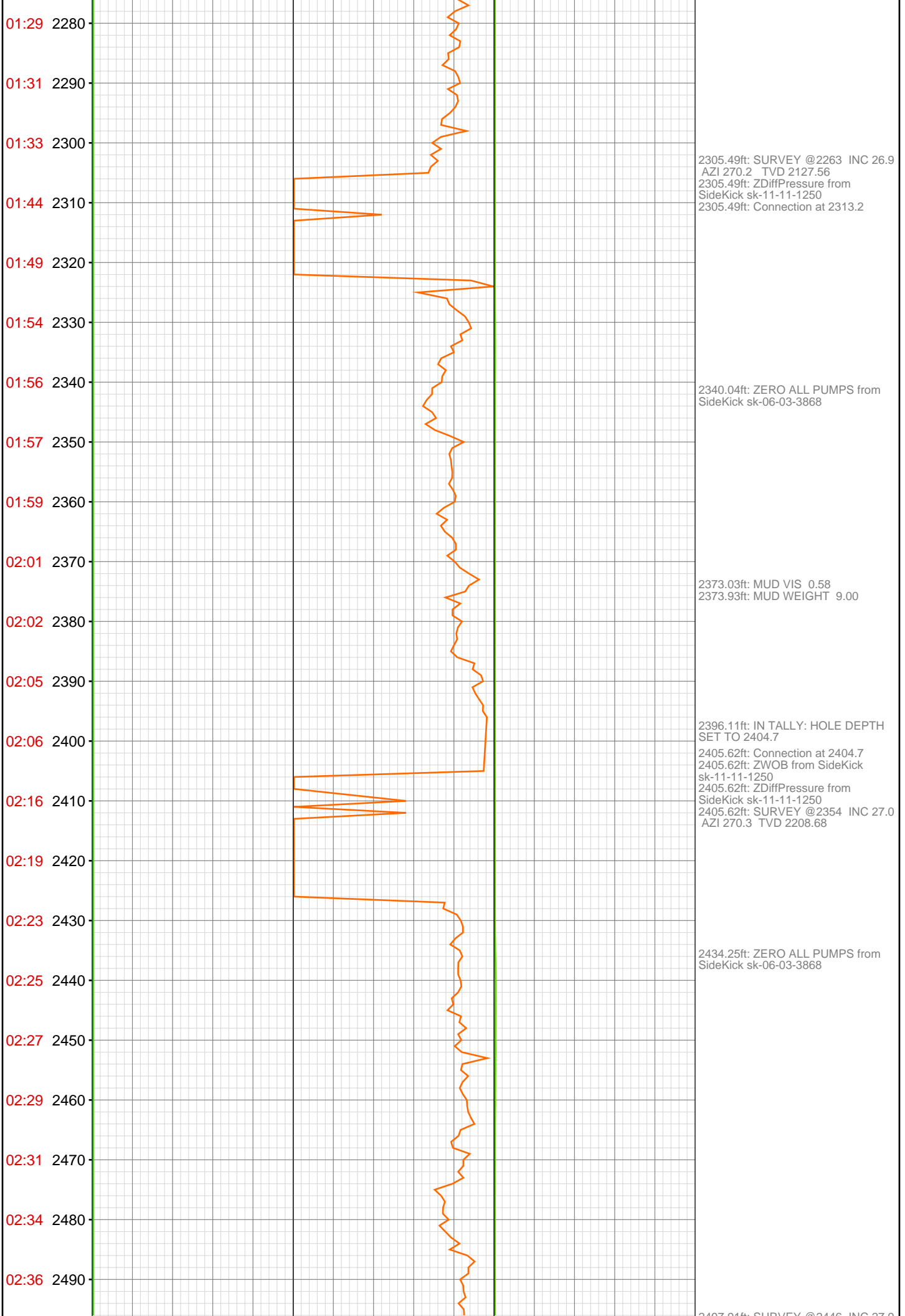
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: NPEF 14D-27 P27 595
FIELD:
LOCATION: SESE SEC 27 TWP 5S RNG 95W MERIDIAN
COUNTRY: USA
RIG: Pat-UTI 303

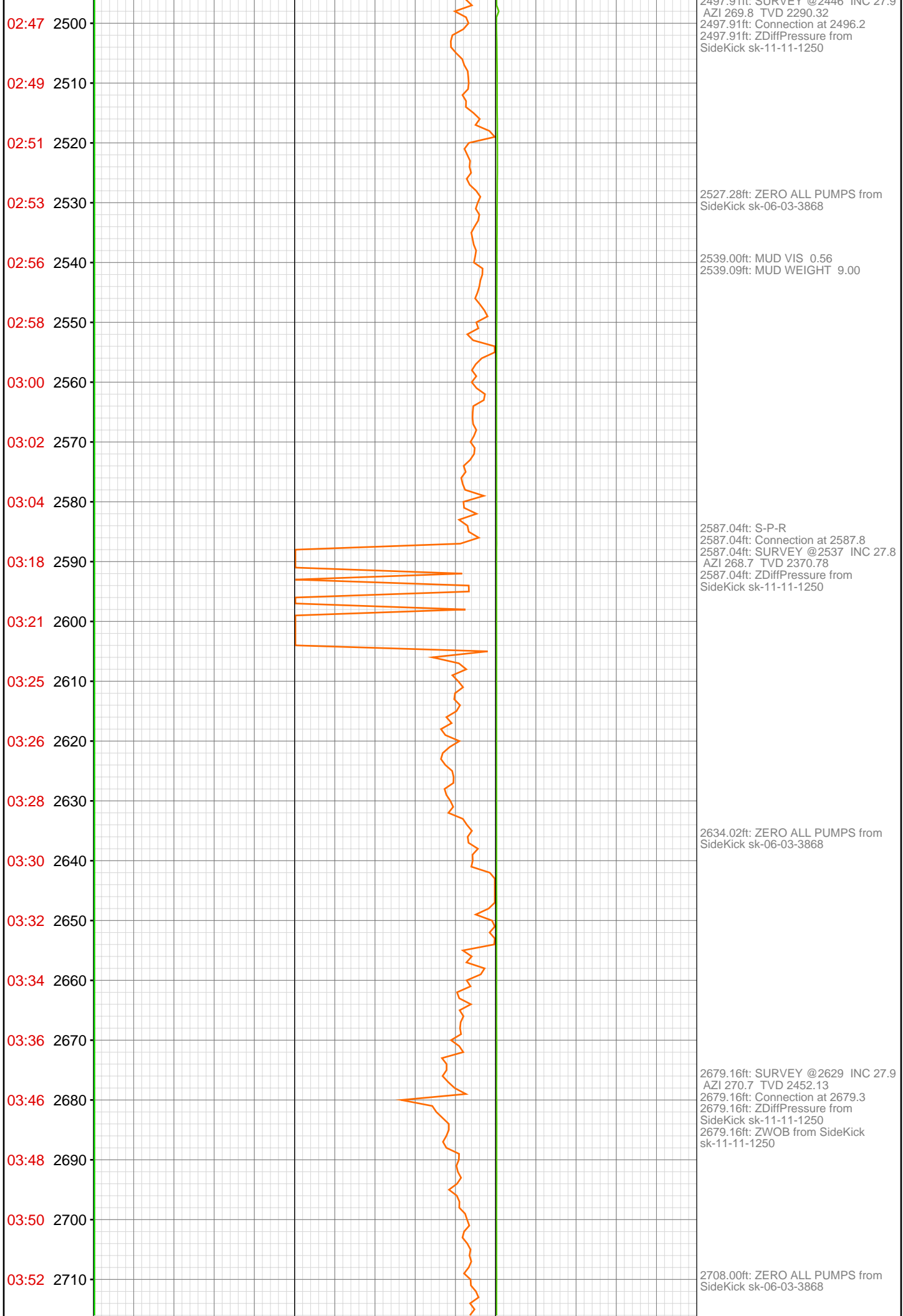
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05 045 20319 00
SPUD DATE: May 16, 2012 22:00
RELEASE DATE: May 24, 2012 09:00

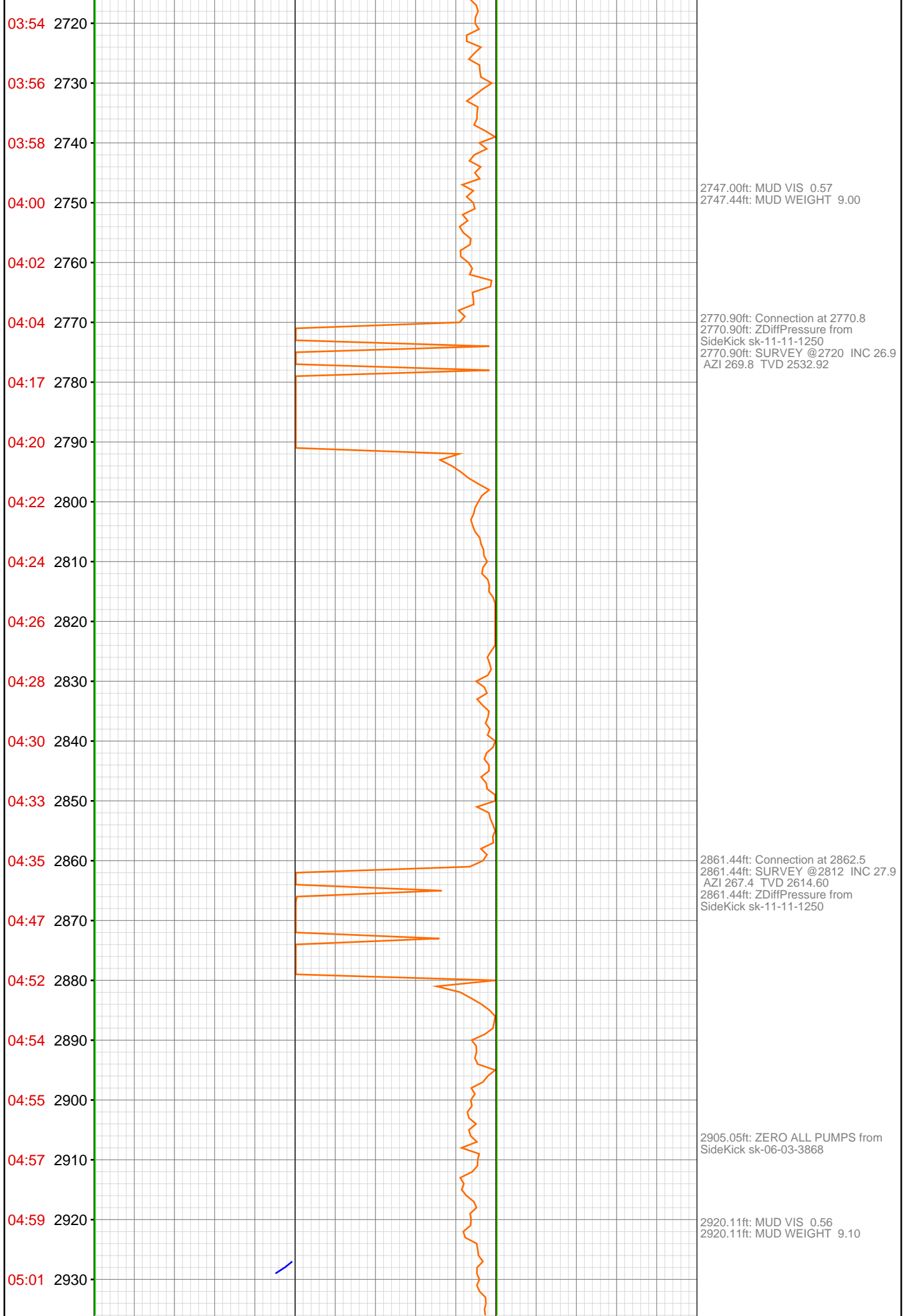


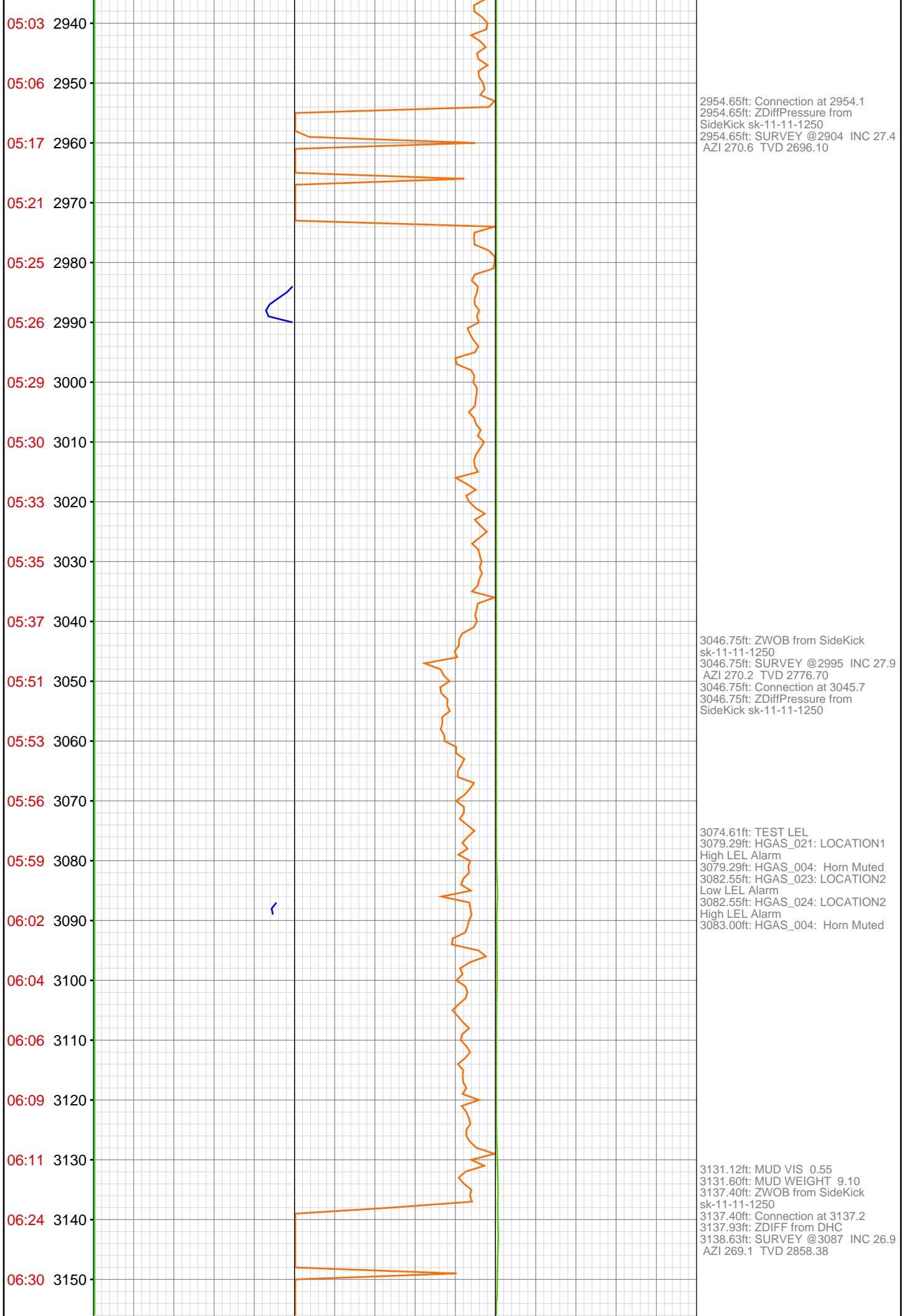




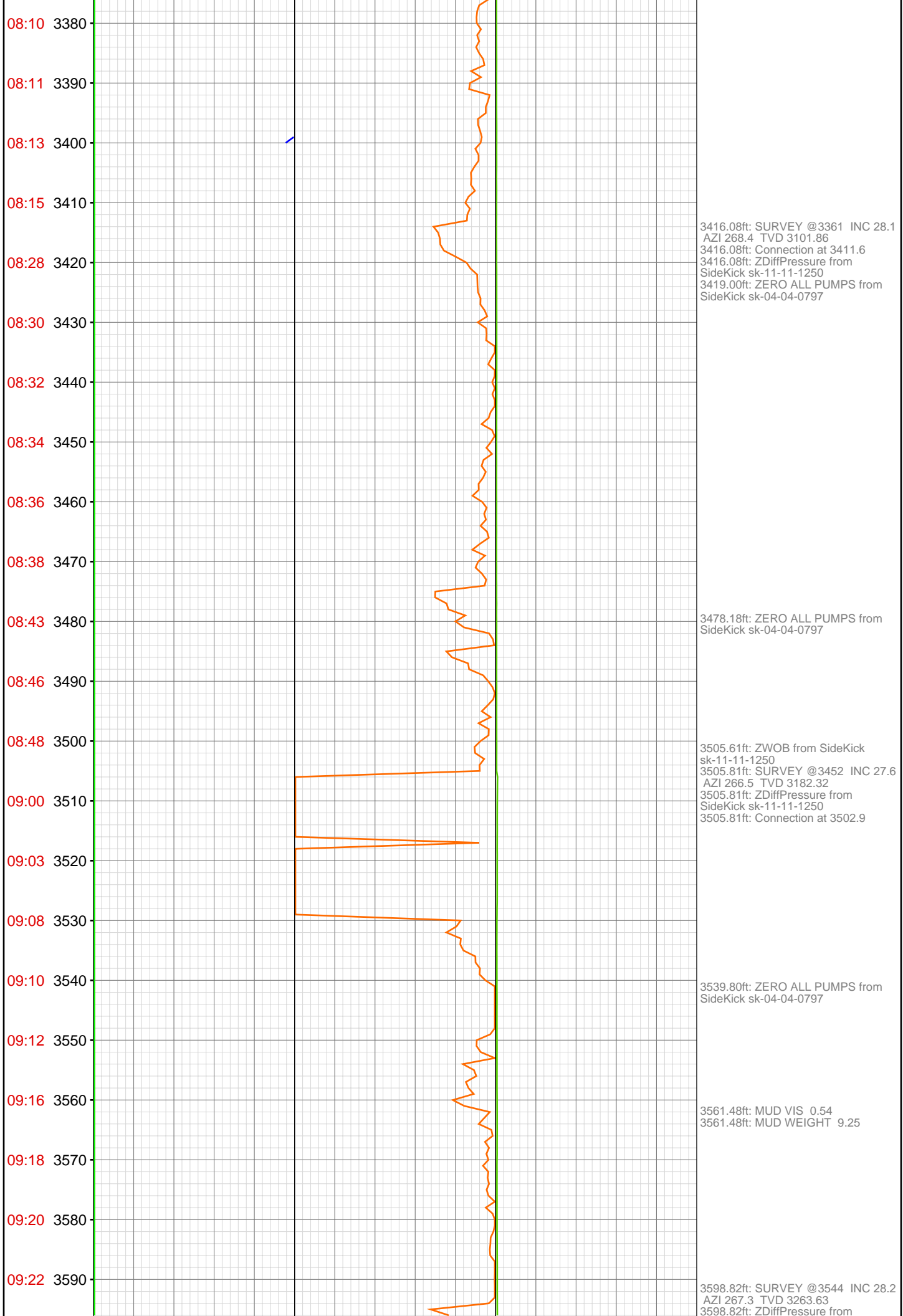


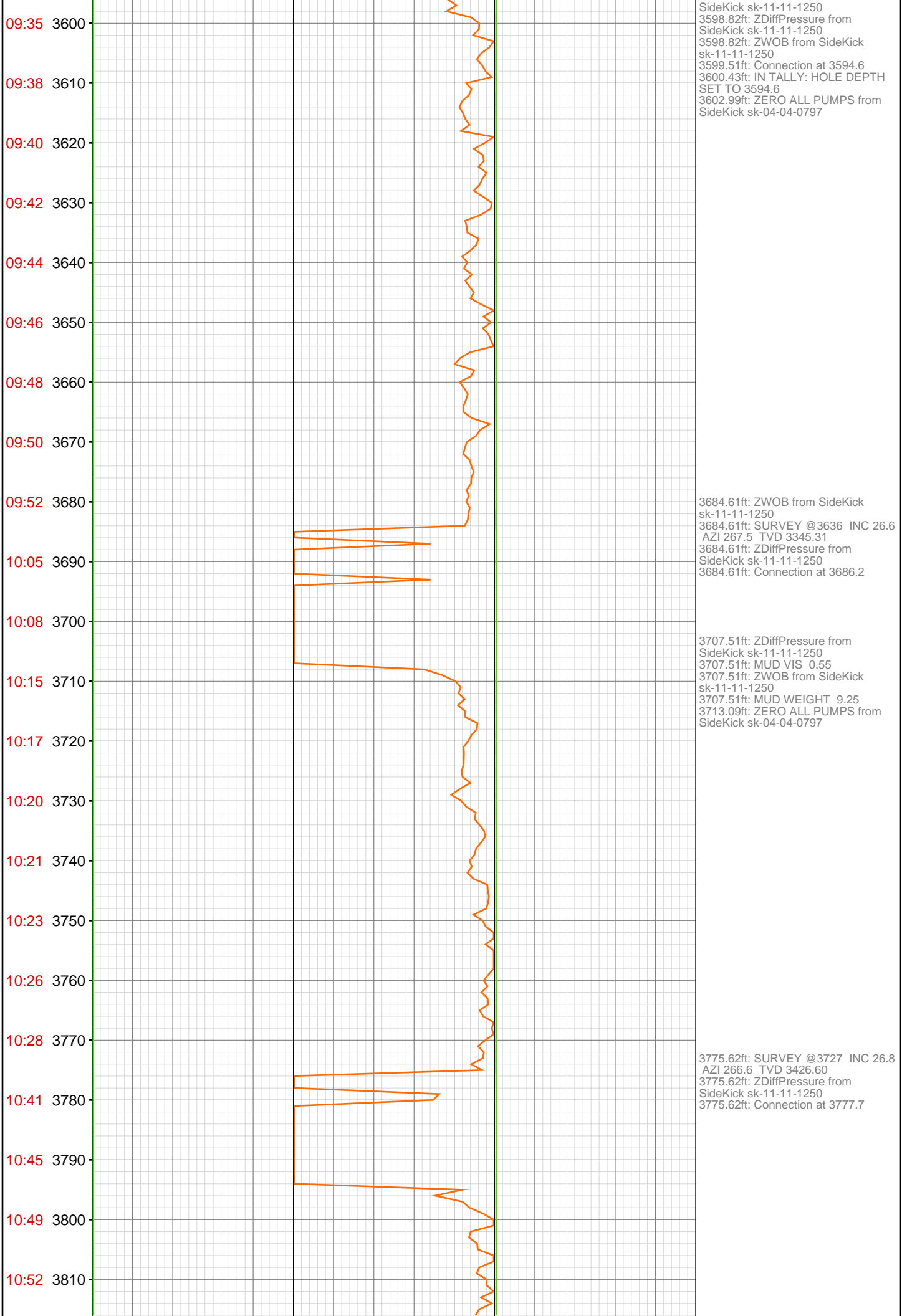


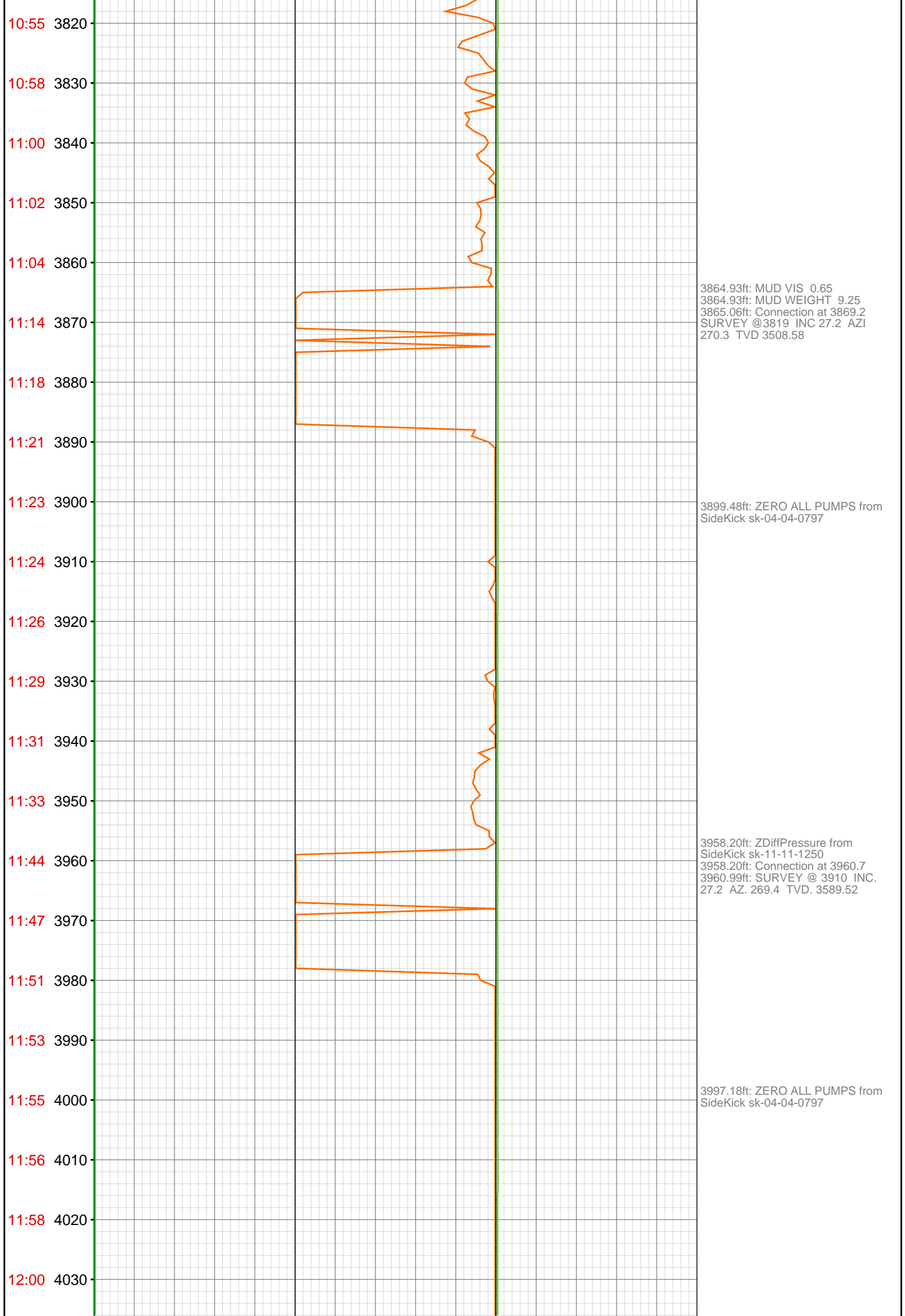












12:02 4040-

12:05 4050-

12:16 4060-

12:19 4070-

12:22 4080-

12:23 4090-

12:25 4100-

12:27 4110-

12:29 4120-

12:32 4130-

12:35 4140-

12:49 4150-

12:51 4160-

12:53 4170-

12:55 4180-

12:58 4190-

13:00 4200-

13:01 4210-

13:03 4220-

13:05 4230-

13:19 4240-

13:22 4250-

4047.41ft: MUD VIS 0.60
4048.00ft: MUD WEIGHT 9.30
4050.00ft: Connection at 4052.1
SURVEY @ 4002 INC. 27.4 AZ.
270.0 TVD. 3671.27

4141.90ft: SURVEY @ 4093 INC.
27.6 AZ. 269.7 TVD. 3751.99
4141.90ft: Connection at 4143.6
4141.90ft: ZDiffPressure from
SideKick sk-11-11-1250
4141.90ft: ZWOB from SideKick
sk-11-11-1250

4158.46ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

4231.63ft: MUD VIS 0.65
4231.63ft: MUD WEIGHT 9.35
4231.63ft: Connection at 4235.1
4231.63ft: ZDiffPressure from
SideKick sk-11-11-1250
4231.63ft: SURVEY @ 4185 INC.
26.0 AZ. 269.3 TVD, 3834.11

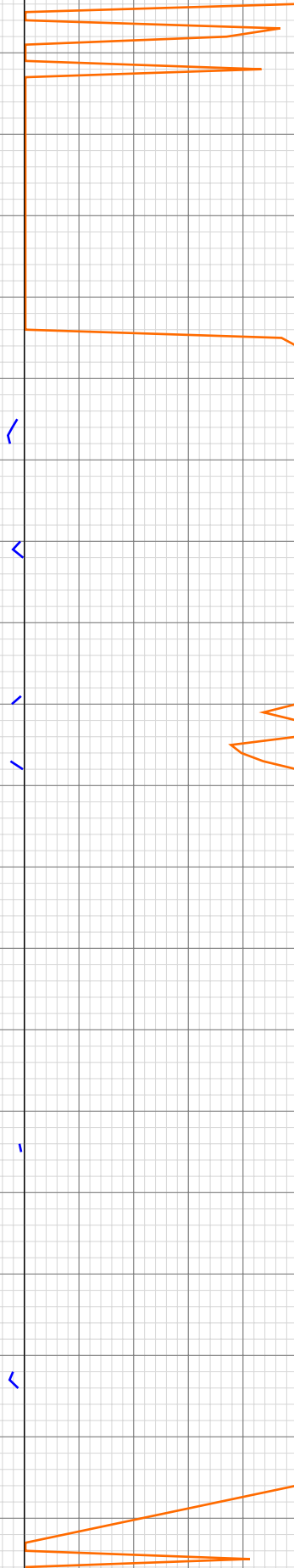
13:25 4260-
13:28 4270-
13:29 4280-
13:31 4290-
13:32 4300-
13:34 4310-
13:36 4320-
13:52 4330-
13:54 4340-
13:56 4350-
13:59 4360-
14:01 4370-
14:03 4380-
14:05 4390-
14:07 4400-
14:08 4410-
14:27 4420-
14:29 4430-
14:32 4440-
14:34 4450-
14:35 4460-
14:37 4470-

4321.95ft: Connection at 4326.7
4321.95ft: ZDiffPressure from
SideKick sk-11-11-1250
4327.20ft: SURVEY @ 4276 INC.
27.1 AZ. 268.2 TVD. 3915.51

4374.31ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

4413.52ft: SURVEY @ 4368 INC.
28.2 AZ. 269.1 TVD. 3997.0
4413.52ft: Connection at 4418.2
4413.52ft: ZWOB from SideKick
sk-11-11-1250
4418.21ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868
4421.26ft: MUD VIS 0.65
4422.24ft: MUD WEIGHT 9.50

14:39 4480
14:41 4490
14:42 4500
14:56 4510
14:59 4520
15:02 4530
15:05 4540
15:07 4550
15:09 4560
15:11 4570
15:12 4580
15:15 4590
15:27 4600
15:28 4610
15:30 4620
15:33 4630
15:36 4640
15:38 4650
15:40 4660
15:42 4670
15:45 4680
16:15 4690

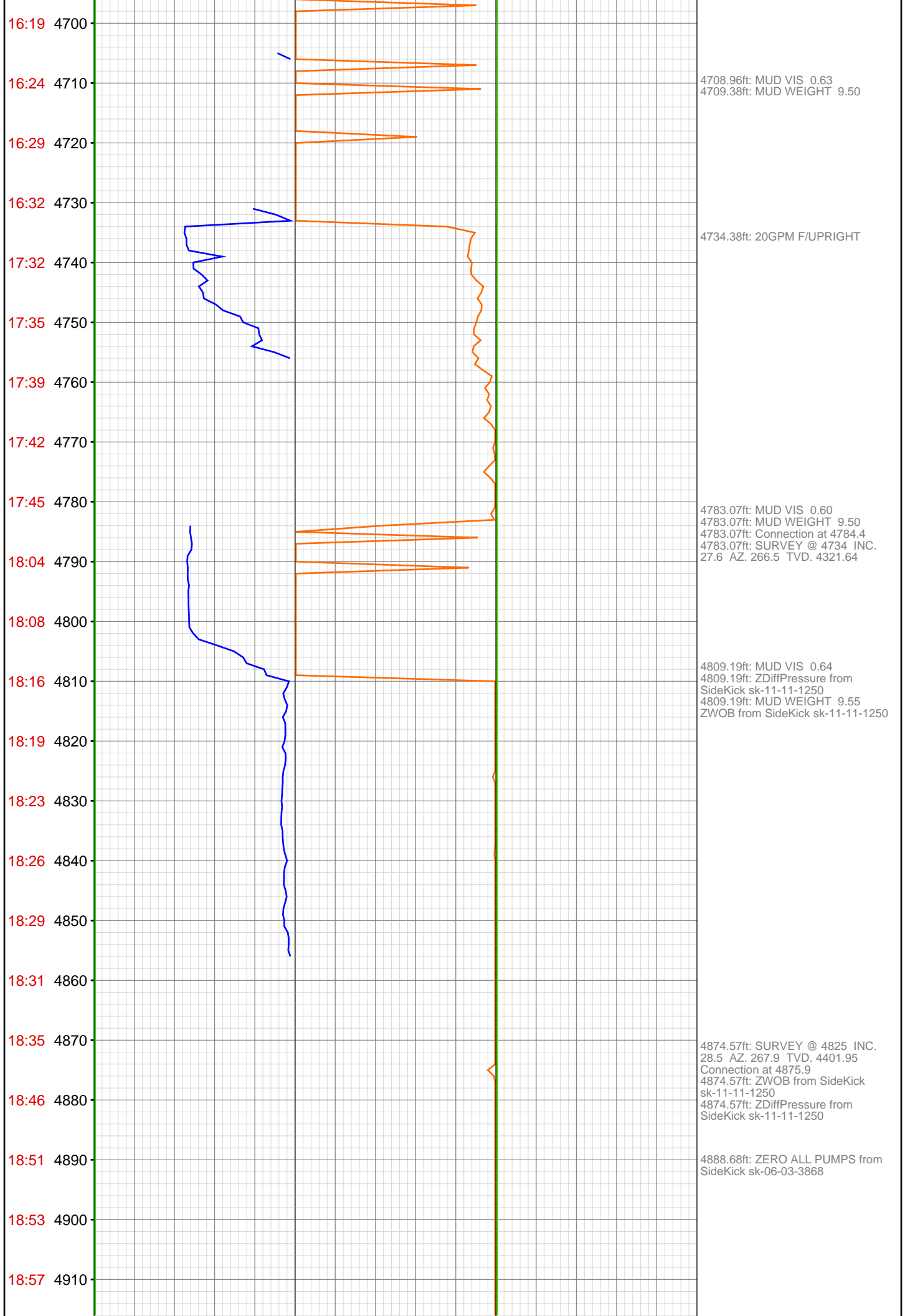


4504.76ft: Connection at 4509.8
4506.10ft: SURVEY @ 4459 INC.
26.6 AZ. 268.0 TVD. 4077.79

4594.62ft: SURVEY @ 4551 INC.
28.6 AZ, 266.7 TVD. 4159.32
4594.62ft: MUD VIS 0.63
4594.62ft: MUD WEIGHT 9.50
4594.62ft: ZDiffPressure from
SideKick sk-11-11-1250
4594.62ft: ZWOB from SideKick
sk-11-11-1250

4605.28ft: Connection at 4601.3

4686.88ft: Connection at 4692.7
SURVEY @ 4642 INC. 26.9 AZ.
266.9 TVD. 4239.85
4686.88ft: IN TALLY: HOLE DEPTH
SET TO 4692.7



19:01 4920
19:05 4930
19:08 4940
19:11 4950
19:14 4960
19:47 4970
19:52 4980
20:01 4990
20:04 5000
20:06 5010
20:09 5020
20:12 5030
20:14 5040
20:19 5050
20:31 5060
20:34 5070
20:37 5080
20:39 5090
20:44 5100
20:48 5110
20:51 5120
20:55 5130

}

4916.99ft: MUD VIS 0.60
4917.42ft: MUD WEIGHT 9.55

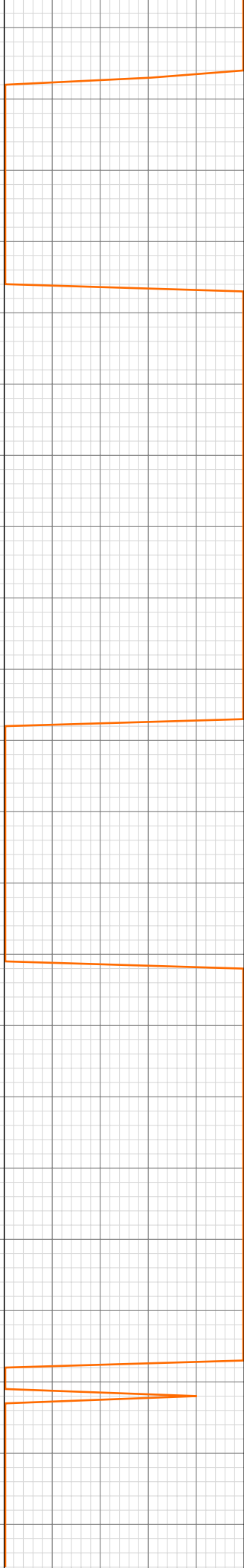
4967.13ft: SURVEY @ 4917 INC.
27.3 AZ. 267.9 TVD. 4483.25
4967.13ft: Connection at 4967.3

4987.17ft: ZDiffPressure from
SideKick sk-11-11-1250
4987.17ft: ZWOB from SideKick
sk-11-11-1250
4987.17ft: MUD VIS 0.57
4987.17ft: MUD WEIGHT 9.55
4987.20ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

5056.43ft: SURVEY @ 5008 INC.
28.3 AZ. 268.7 TVD. 4563.75
5056.43ft: Connection at 5058.7
5056.43ft: ZWOB from SideKick
sk-11-11-1250
5056.43ft: ZDiffPressure from
SideKick sk-11-11-1250

5070.08ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

20:58 5140-
21:08 5150-
21:11 5160-
21:14 5170-
21:22 5180-
21:25 5190-
21:28 5200-
21:31 5210-
21:35 5220-
21:38 5230-
21:52 5240-
21:56 5250-
22:01 5260-
22:05 5270-
22:11 5280-
22:13 5290-
22:15 5300-
22:18 5310-
22:22 5320-
22:36 5330-
22:42 5340-
22:45 5350-



5146.56ft: Connection at 5150.0
5146.56ft: SURVEY @ 5100 INC.
26.5 AZ. 266.0 TVD. 4645.43
5149.02ft: MUD VIS 0.58
5149.11ft: MUD WEIGHT 9.55

5176.28ft: ZDiffPressure from
SideKick sk-11-11-1250

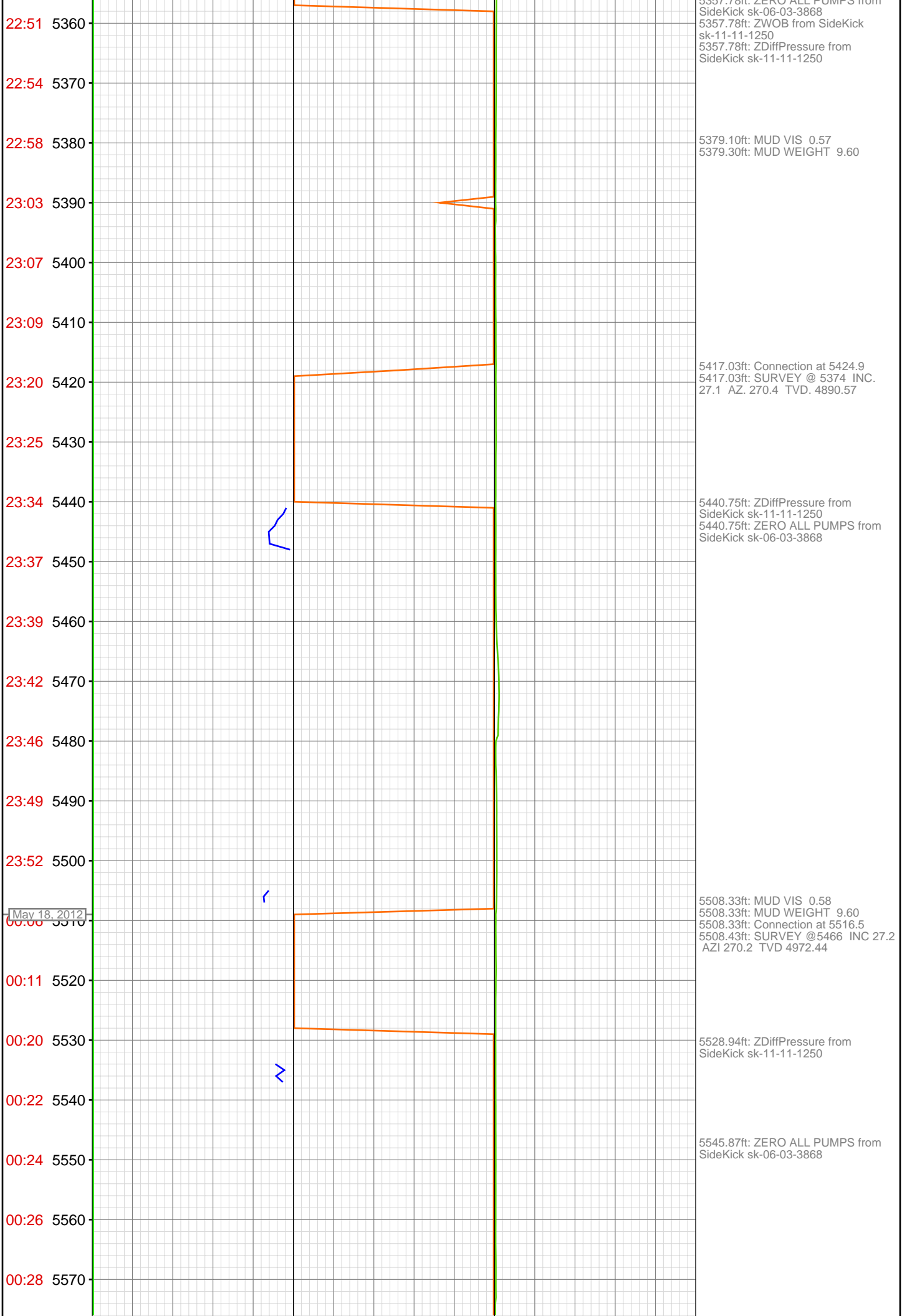
5237.57ft: Connection at 5241.6
5237.57ft: SURVEY @ 5191 INC.
26.2 AZ. 268.0 TVD. 4726.98

5271.39ft: MUD VIS 0.56
5271.39ft: MUD WEIGHT 9.60

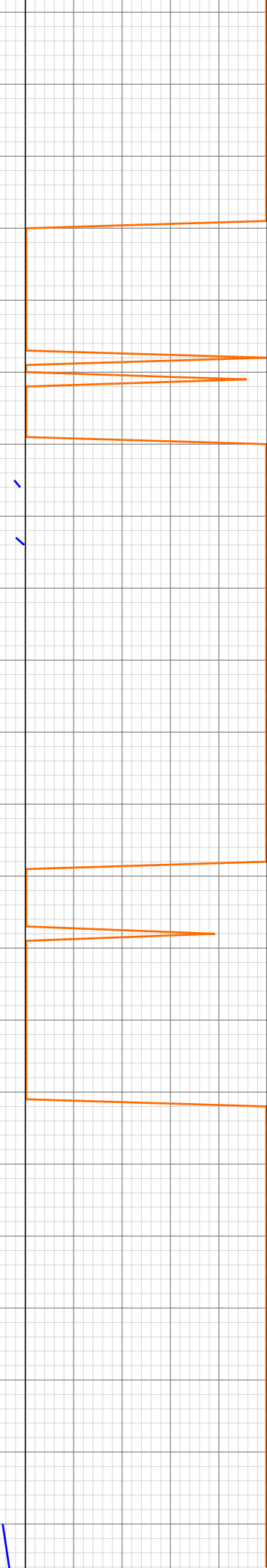
5279.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

5327.76ft: Connection at 5333.3
5330.02ft: SURVEY @ 5283 INC.
26.6 AZ. 270.8 TVD. 4809.38

5357.78ft: ZWOB from DHC
5357.78ft: ZERO ALL PUMPS from



00:31 5580
00:35 5590
00:47 5600
00:47 5610
00:53 5620
01:00 5630
01:08 5640
01:10 5650
01:12 5660
01:16 5670
01:18 5680
01:21 5690
01:32 5700
01:38 5710
01:43 5720
01:48 5730
01:53 5740
01:56 5750
01:59 5760
02:02 5770
02:06 5780
02:19 5790



5598.20ft: Connection at 5608.1
5598.20ft: SURVEY @5558 INC 26.7
AZI 270.9 TVD 5054.44
5598.92ft: IN TALLY: HOLE DEPTH
SET TO 5608.1

5639.44ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

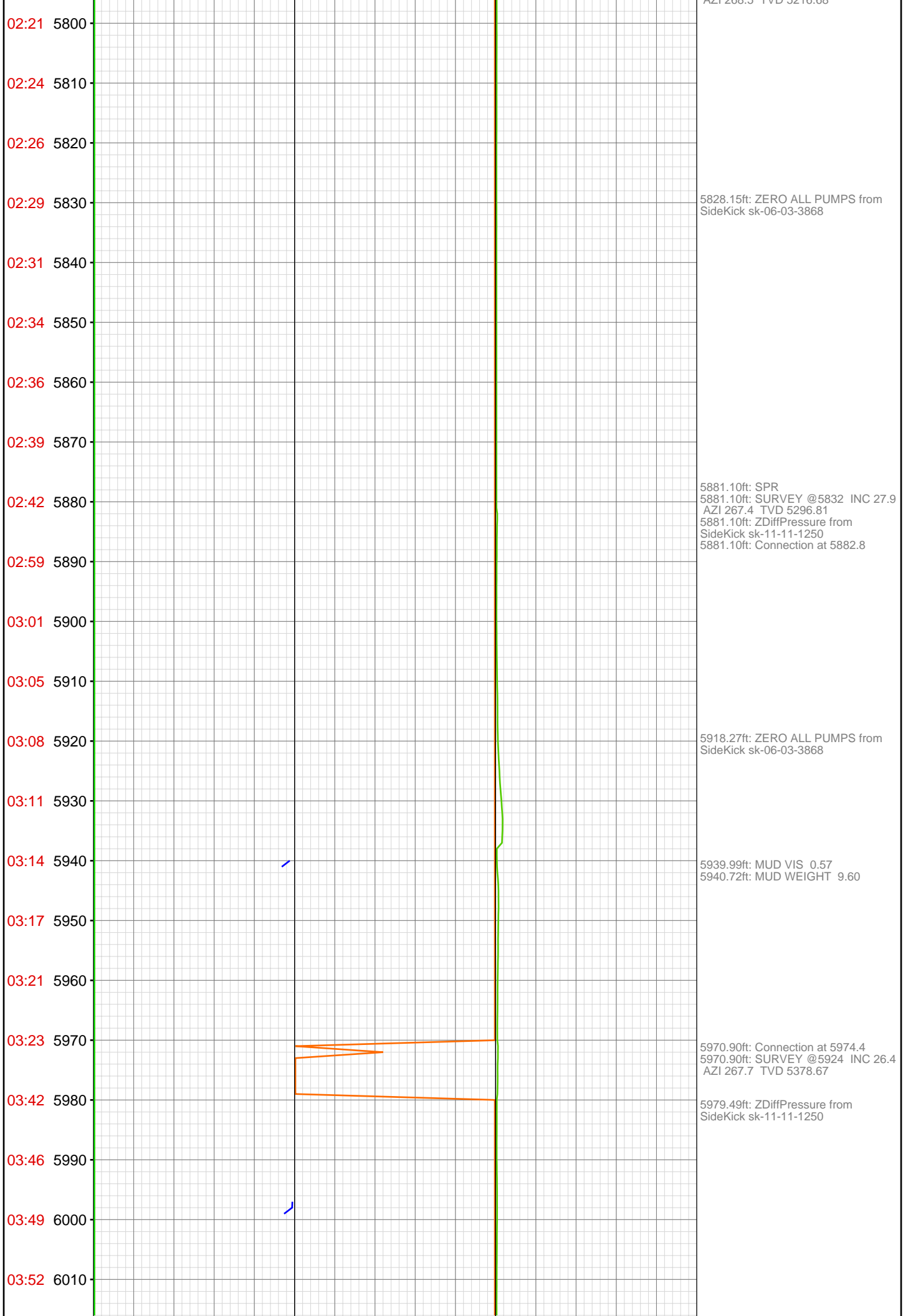
5698.66ft: Connection at 5699.6

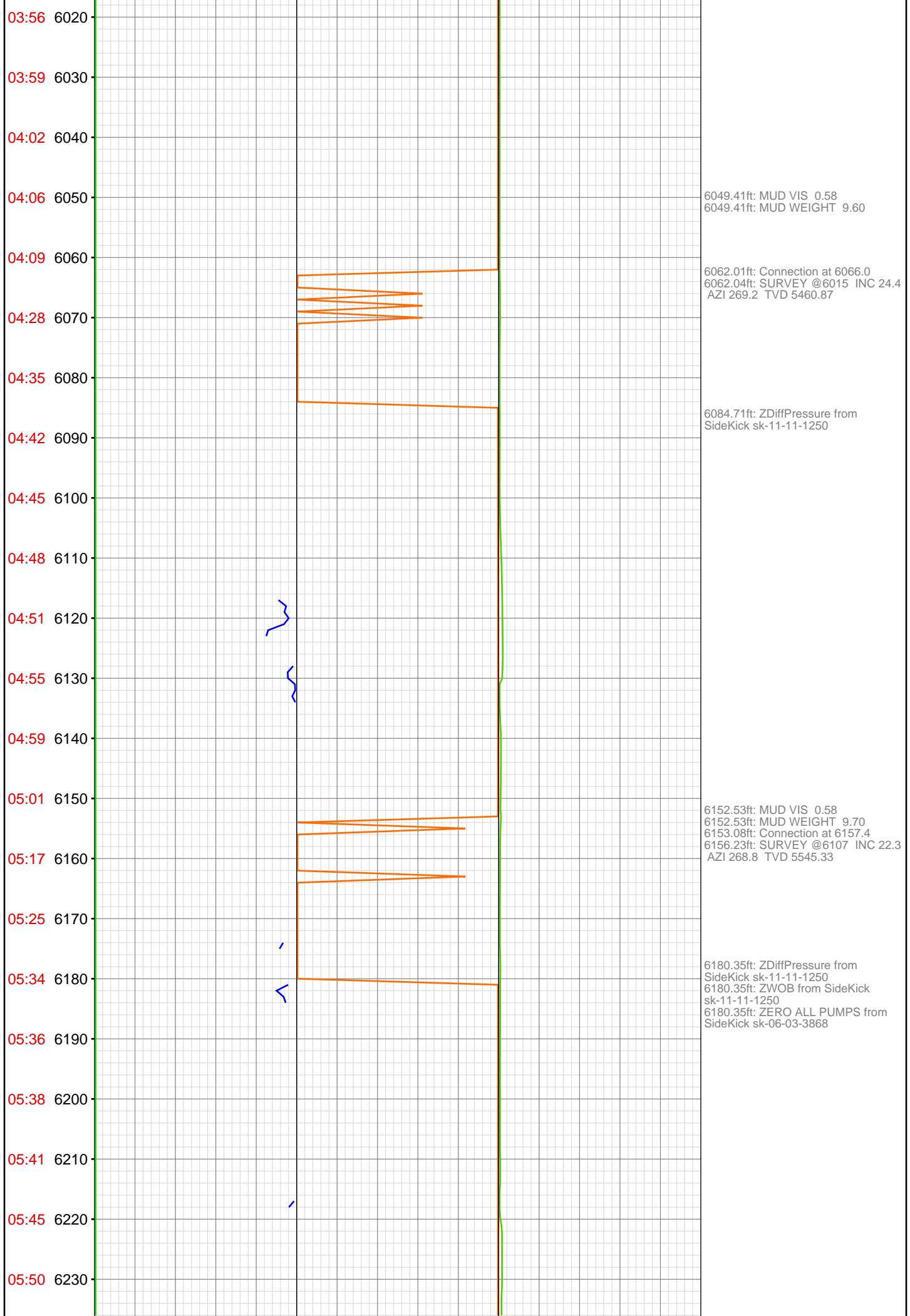
5705.18ft: SURVEY @5649 INC 27.4
AZI 268.6 TVD 5135.49

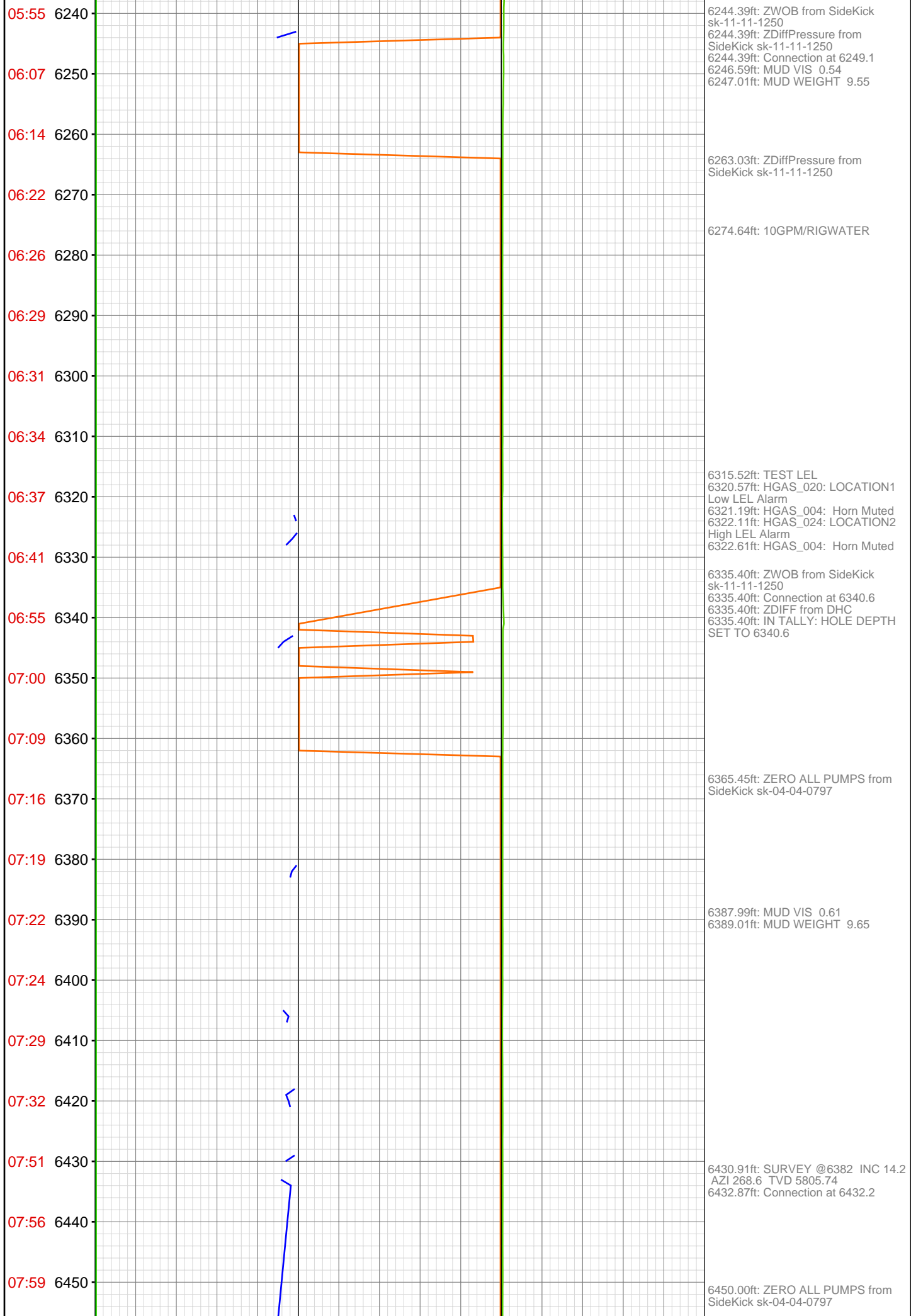
5731.46ft: ZDiffPressure from
SideKick sk-11-11-1250
5731.46ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

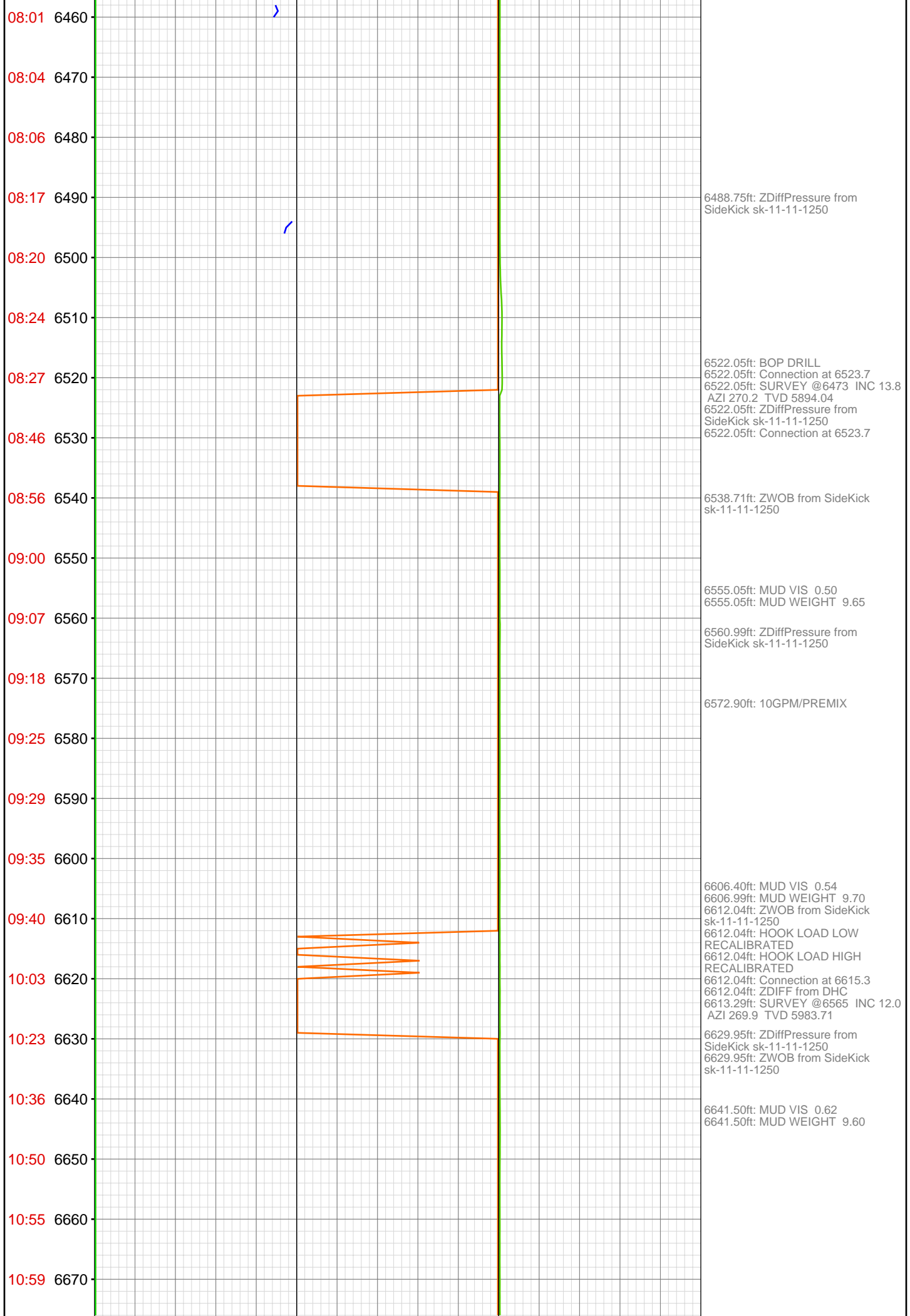
5750.98ft: MUD VIS 0.58
5751.15ft: MUD WEIGHT 9.60

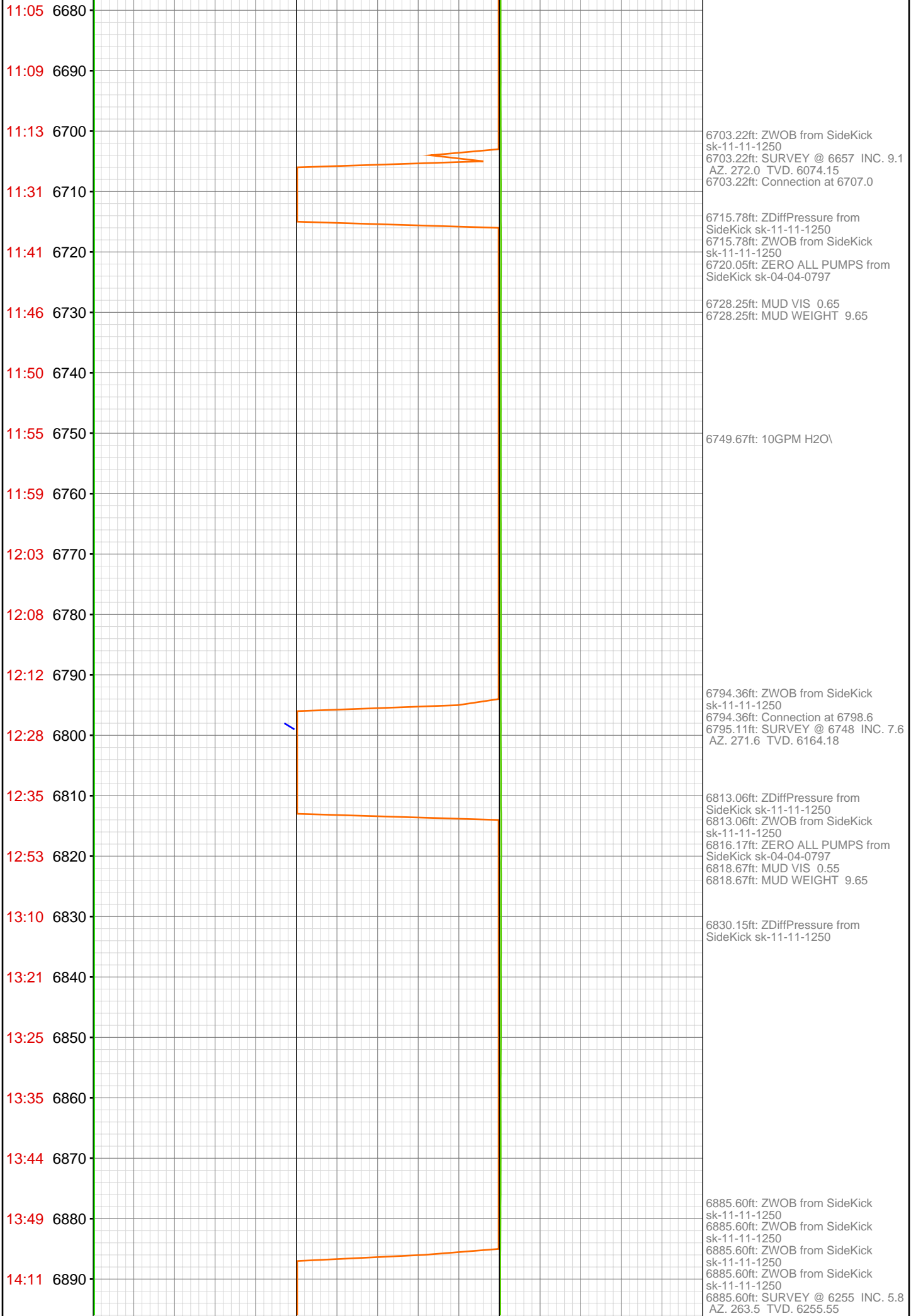
5789.96ft: Connection at 5791.3
5789.96ft: ZDiffPressure from
SideKick sk-11-11-1250
5789.96ft: SURVEY @5741 INC 28.7
AZI 269.5 TVD 5216.68

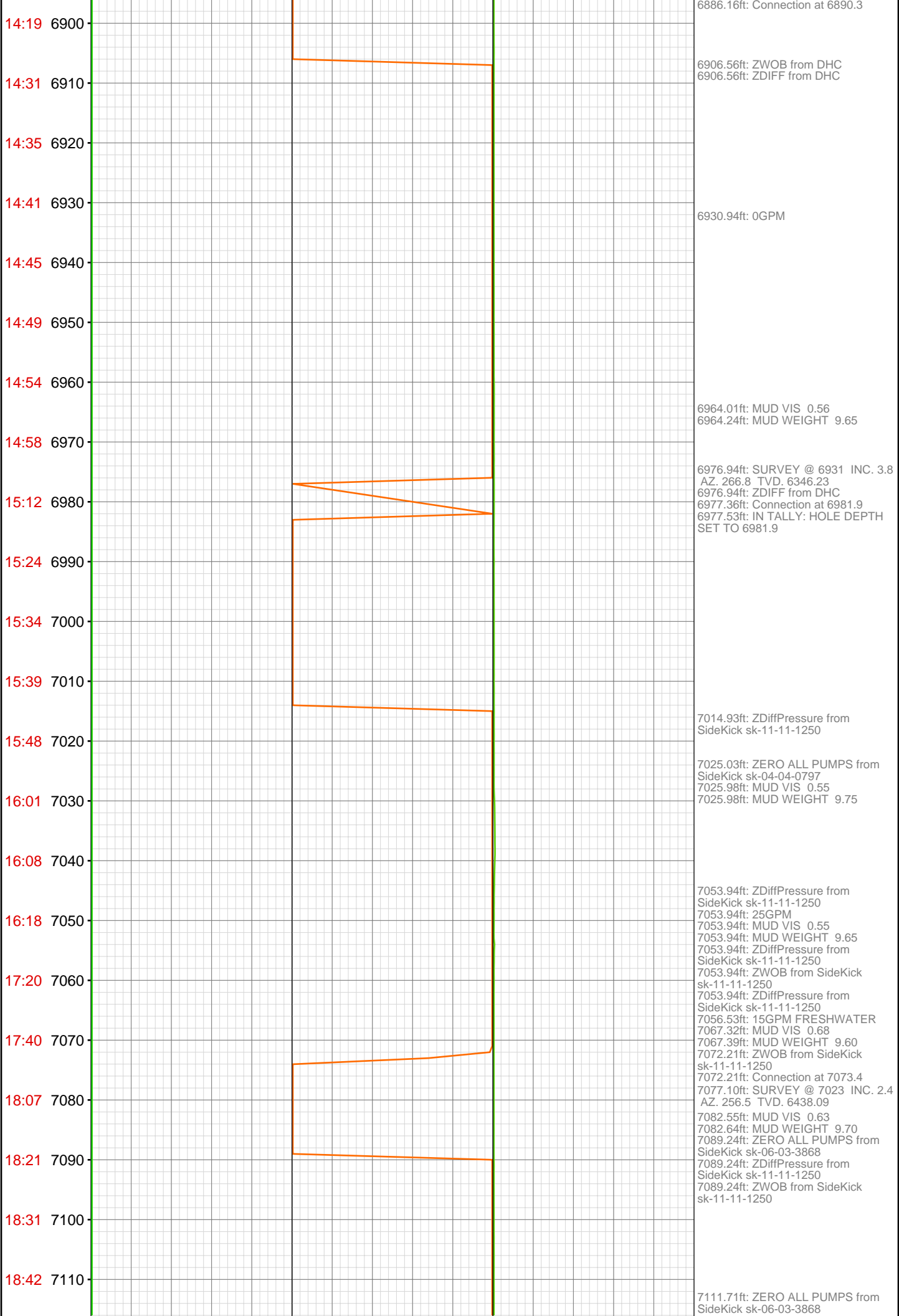


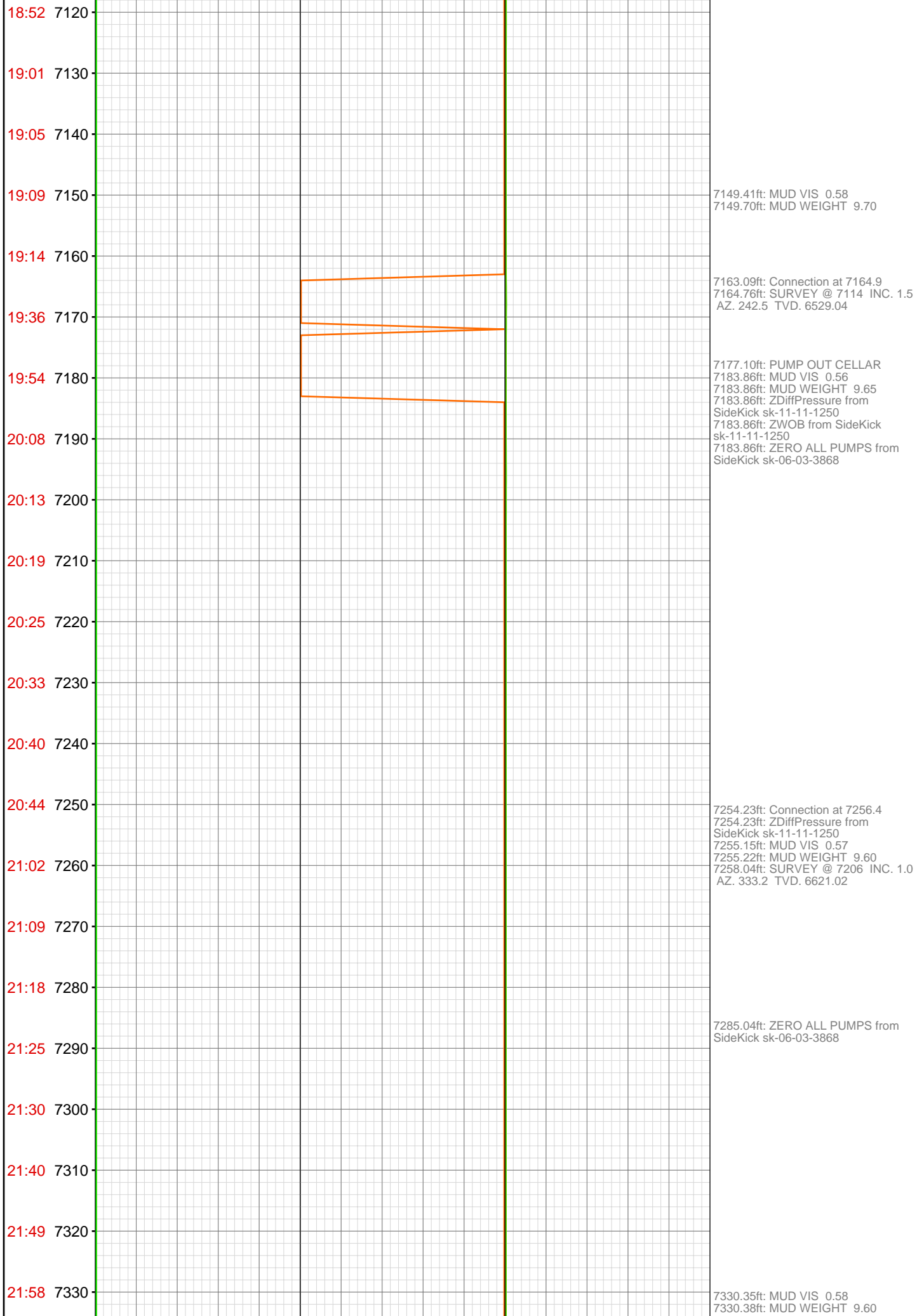


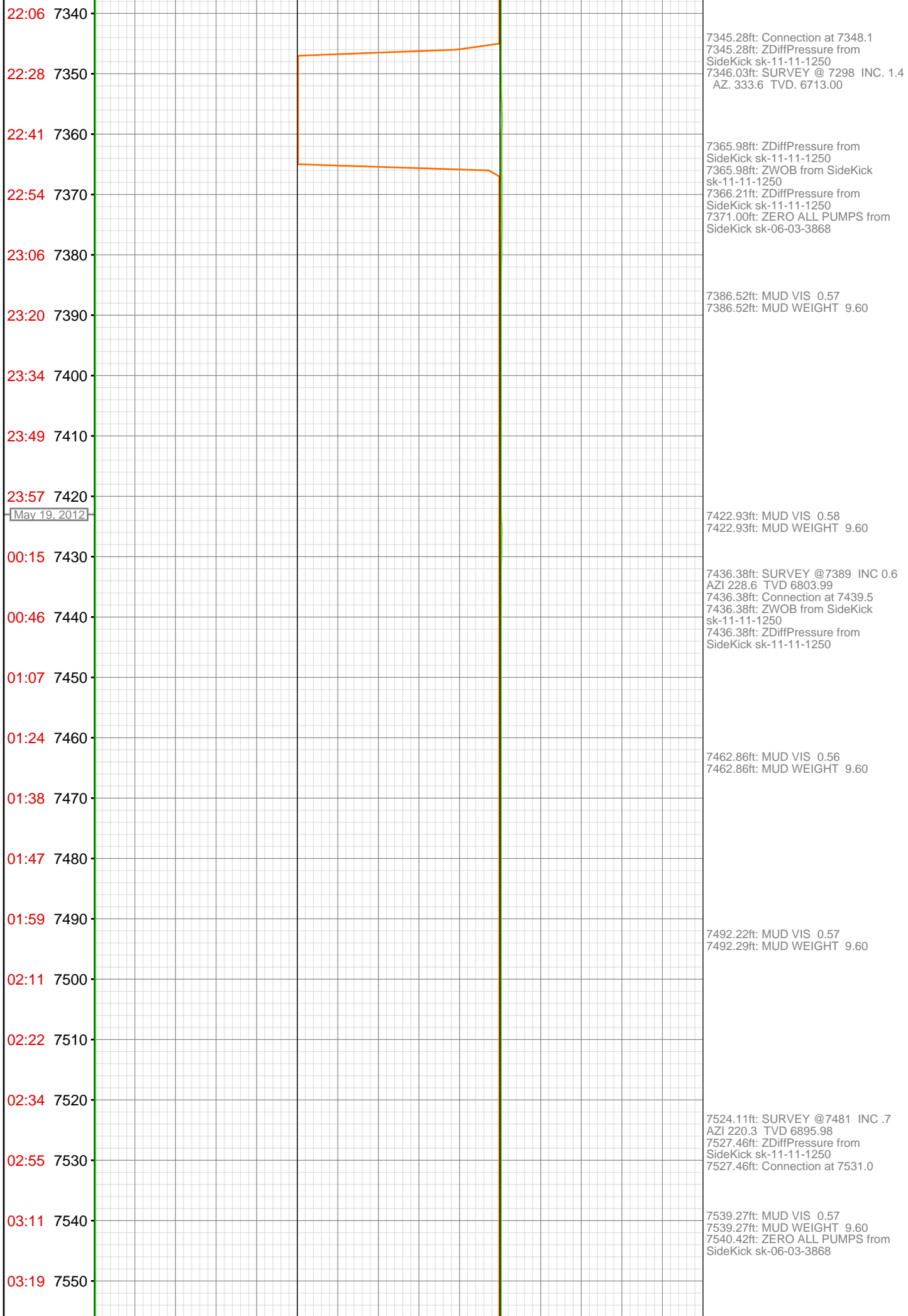


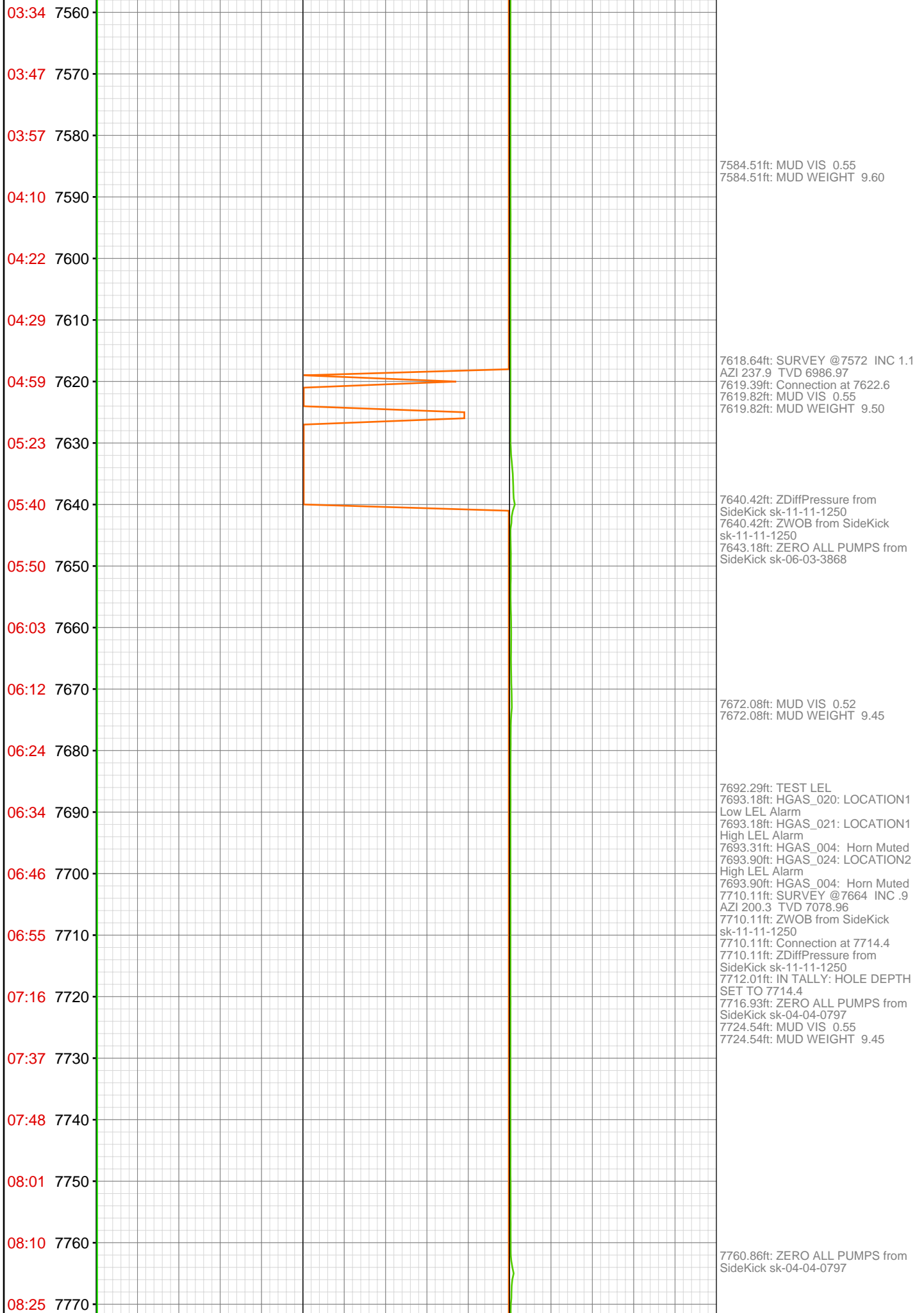


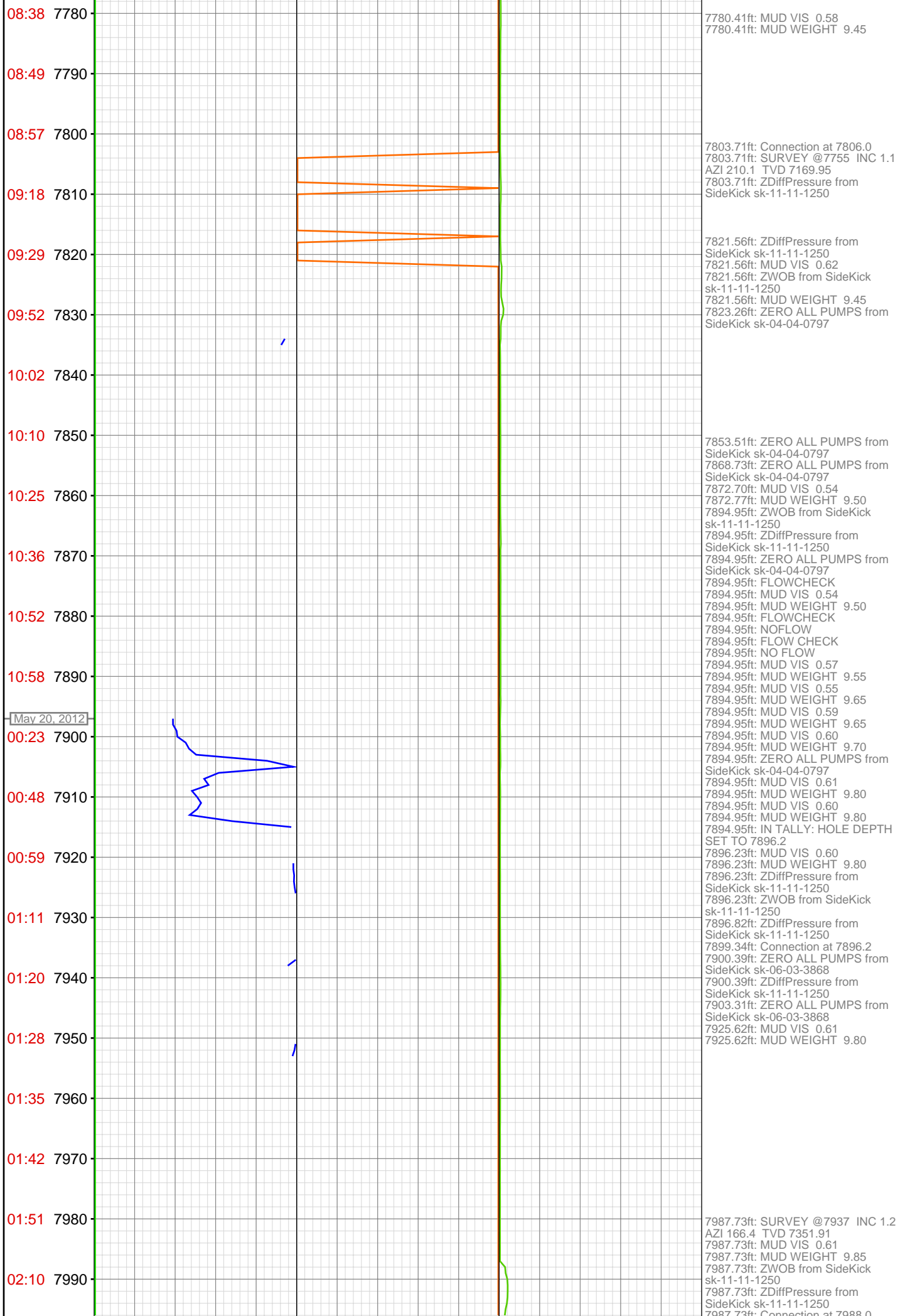


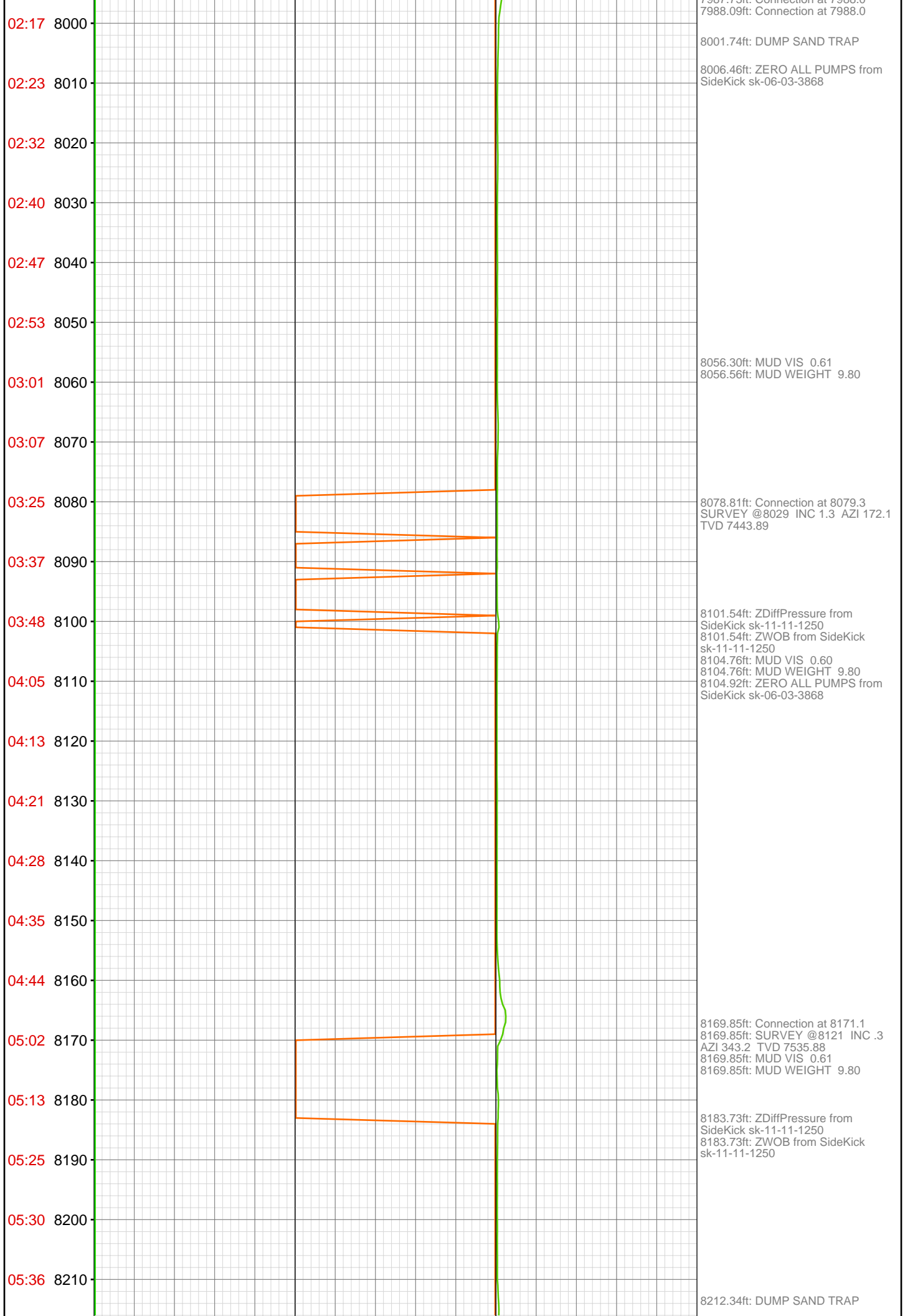












05:46 8220

05:55 8230

06:03 8240

06:12 8250

06:21 8260

06:41 8270

06:50 8280

07:03 8290

07:11 8300

07:20 8310

07:30 8320

07:47 8330

08:01 8340

08:11 8350

08:32 8360

08:40 8370

08:54 8380

09:11 8390

09:21 8400

09:40 8410

09:51 8420

10:08 8430

8235.70ft: MUD VIS 0.57
8236.02ft: MUD WEIGHT 9.75
8241.73ft: TEST LEL
8243.31ft: HGAS_021: LOCATION1
High LEL Alarm
8243.31ft: HGAS_004: Horn Muted
8244.26ft: HGAS_024: LOCATION2
High LEL Alarm
8244.26ft: HGAS_004: Horn Muted
8245.01ft: PVT Horn Disabled
8245.18ft: PVT Horn Enabled

8261.06ft: ZDIFF from DHC
8261.06ft: Connection at 8262.6
8262.73ft: SURVEY @8212 INC .4
AZI 48.1 TVD 7626.88

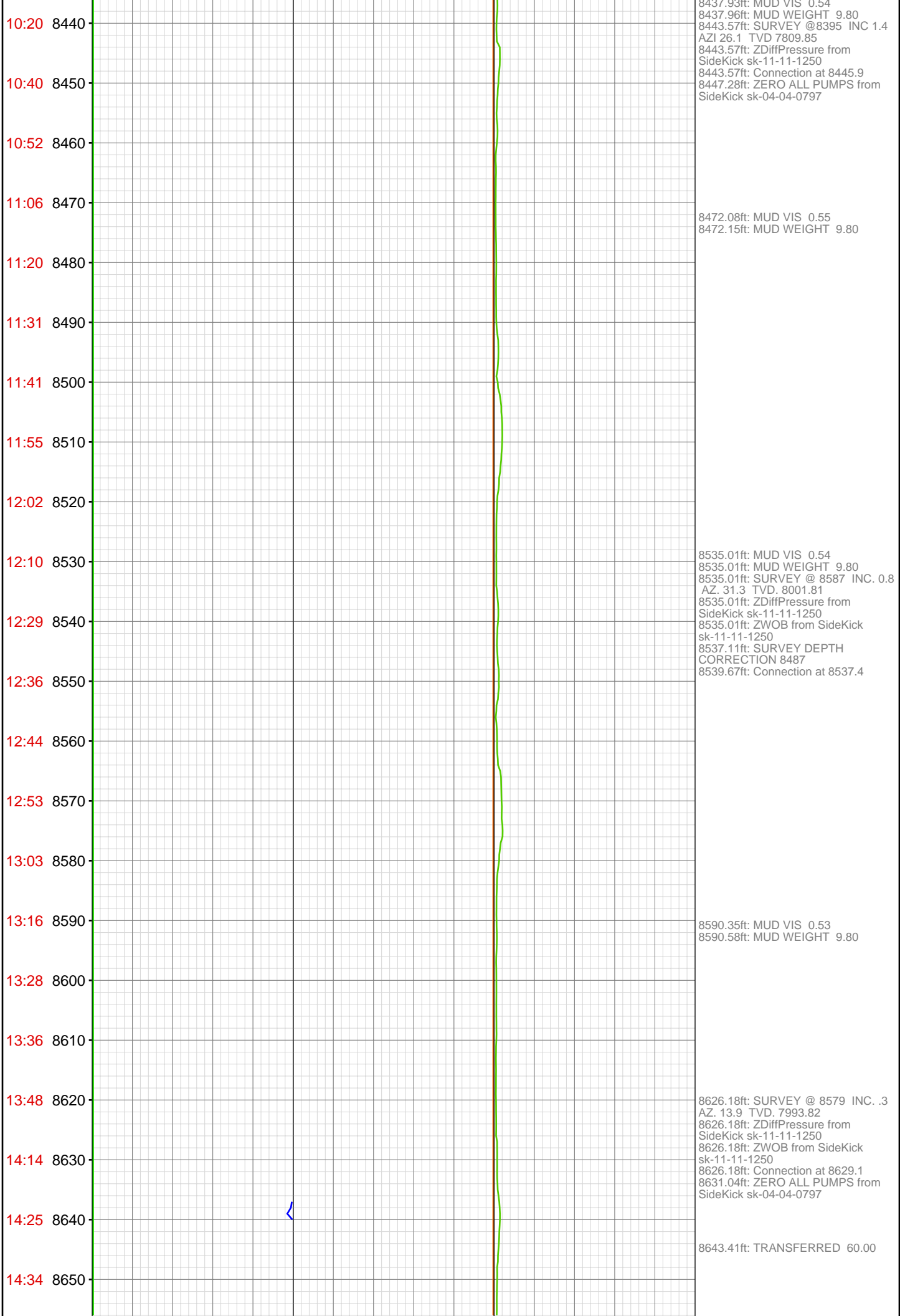
8283.96ft: ZWOB from SideKick
sk-11-11-1250
8283.96ft: ZDiffPressure from
SideKick sk-11-11-1250
8287.57ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
8290.75ft: MUD VIS 0.63
8291.01ft: MUD WEIGHT 9.80

8346.72ft: MUD VIS 0.58
8346.72ft: MUD WEIGHT 9.80
8352.33ft: ZWOB from SideKick
sk-11-11-1250
8352.33ft: SURVEY @8304 INC 1.2
AZI 39.3 TVD 7718.87
8352.33ft: ZWOB from SideKick
sk-11-11-1250
8352.33ft: ZDiffPressure from
SideKick sk-11-11-1250
8352.33ft: Connection at 8354.2

8386.32ft: ZDiffPressure from
SideKick sk-11-11-1250
8388.85ft: MUD VIS 0.53
8388.88ft: MUD WEIGHT 9.80

8406.99ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

8427.33ft: MUD VIS 0.54



14:43 8660
14:58 8670
15:11 8680
15:23 8690
15:33 8700
15:47 8710
16:25 8720
16:37 8730
17:06 8740
17:24 8750
17:46 8760
18:06 8770
18:21 8780
18:43 8790
18:56 8800
19:20 8810
19:35 8820
19:53 8830
20:03 8840
20:14 8850
20:29 8860
20:44 8870

8661.32ft: MUD VIS 0.58
8661.42ft: MUD WEIGHT 9.80

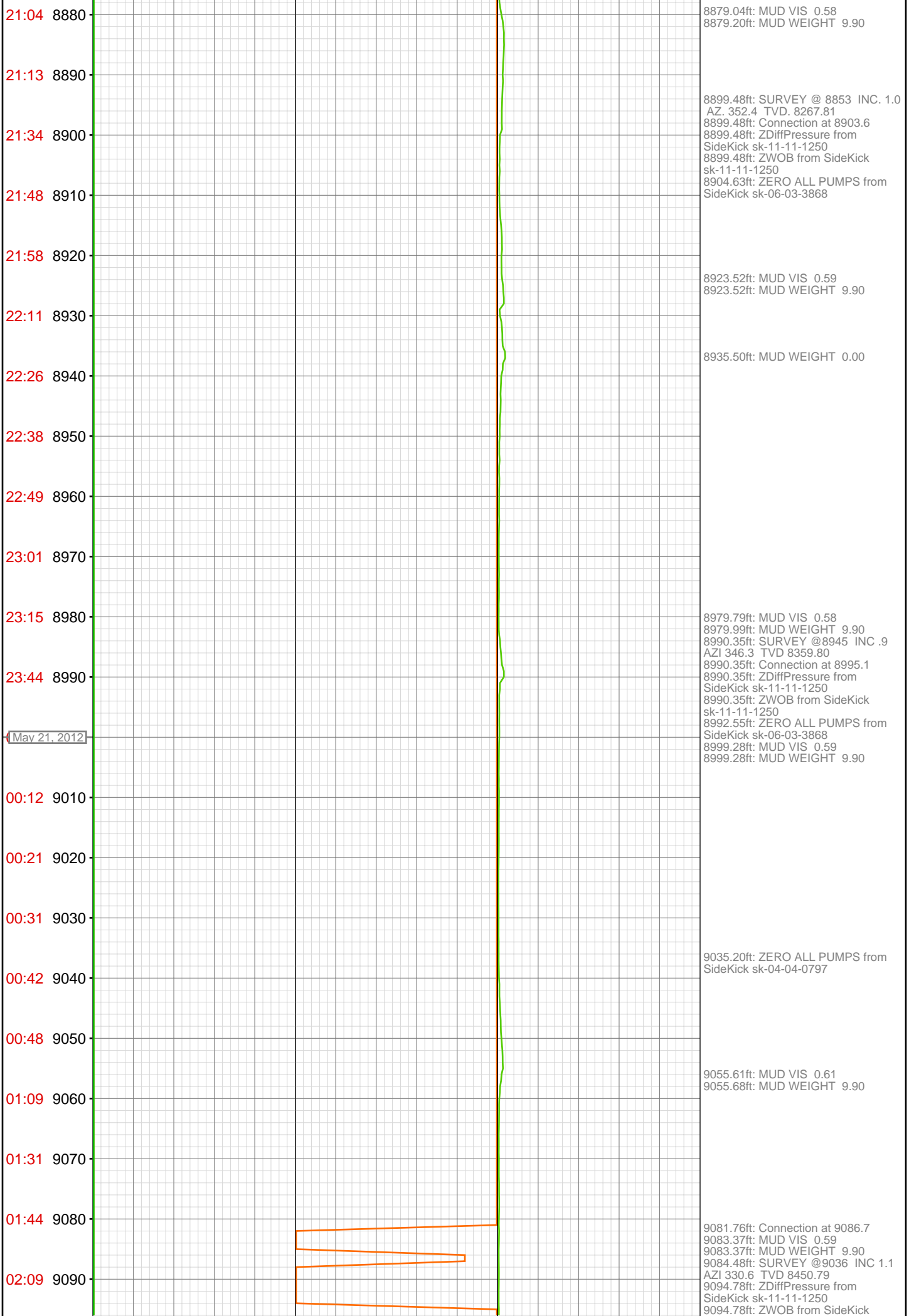
8717.39ft: MUD VIS 0.55
8717.39ft: MUD WEIGHT 9.85
8717.39ft: ZDiffPressure from
SideKick sk-11-11-1250
8717.39ft: Connection at 8720.6
8721.65ft: SURVEY @ 8670 INC. 0.0
AZ. 30.4 TVD. 8084.82
8731.17ft: ZDiffPressure from
SideKick sk-11-11-1250
8731.17ft: ZWOB from SideKick
sk-11-11-1250
8731.17ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

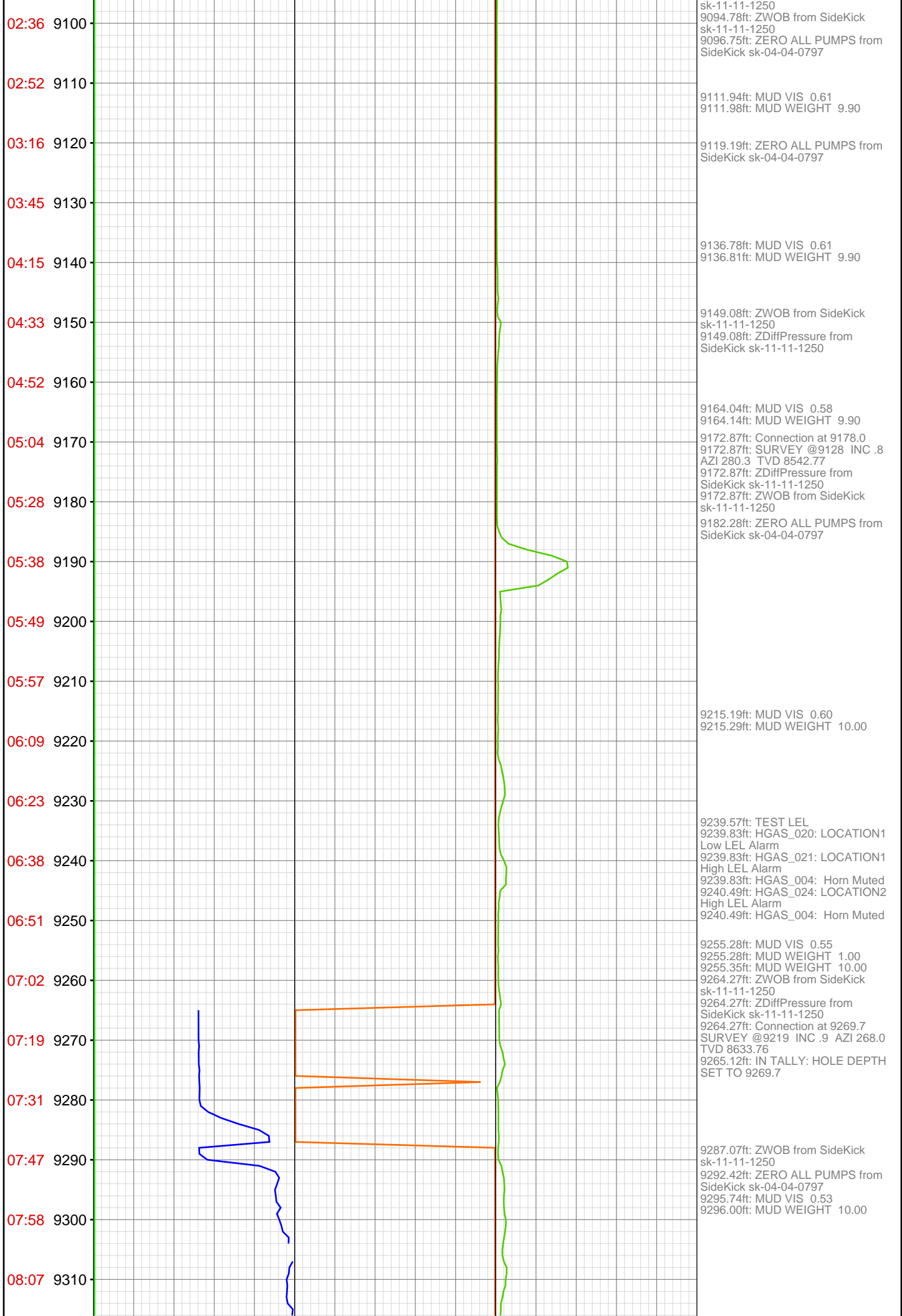
8754.76ft: MUD VIS 0.55
8754.82ft: MUD WEIGHT 9.85

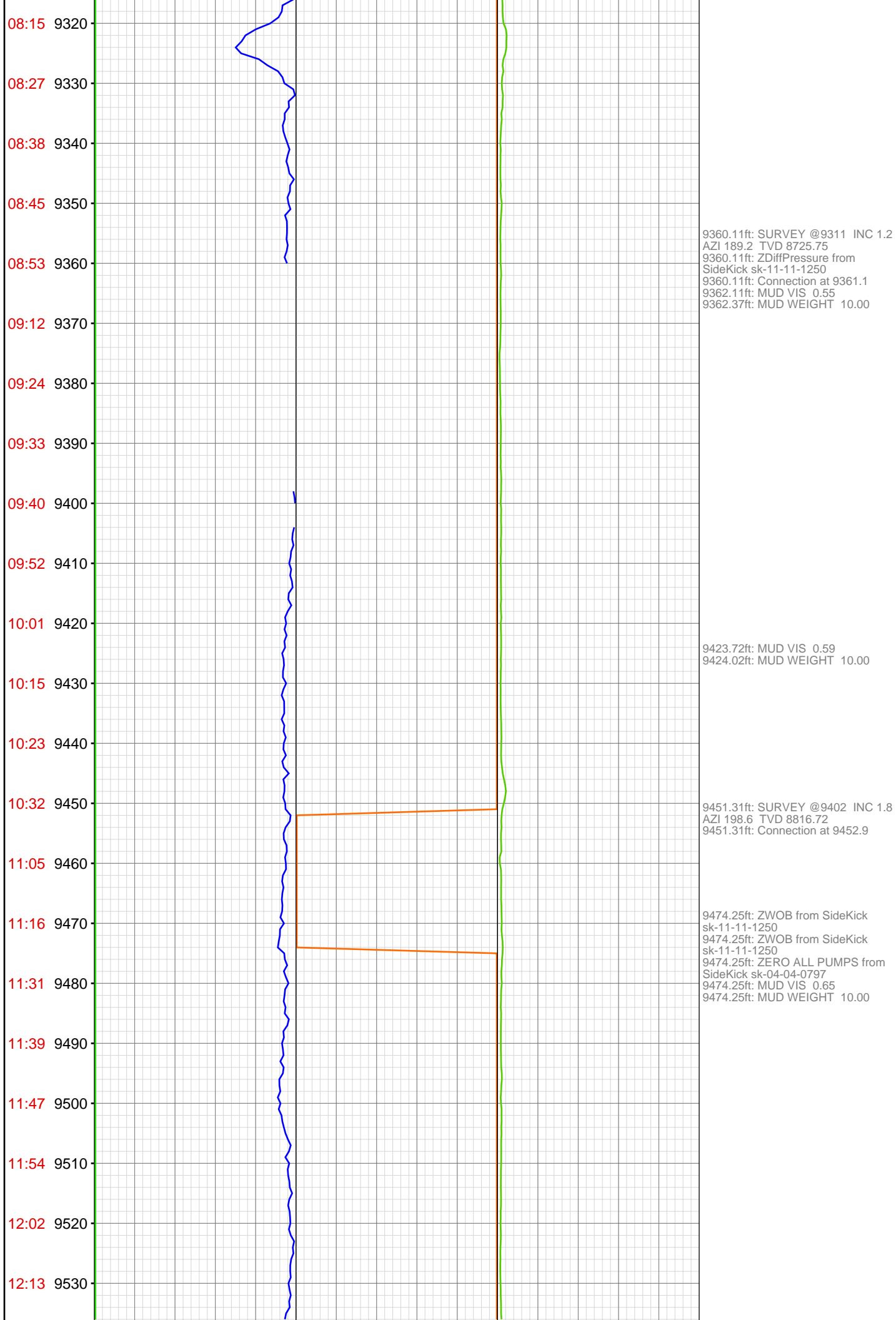
8769.72ft: MUD VIS 0.55
8769.72ft: MUD WEIGHT 9.90

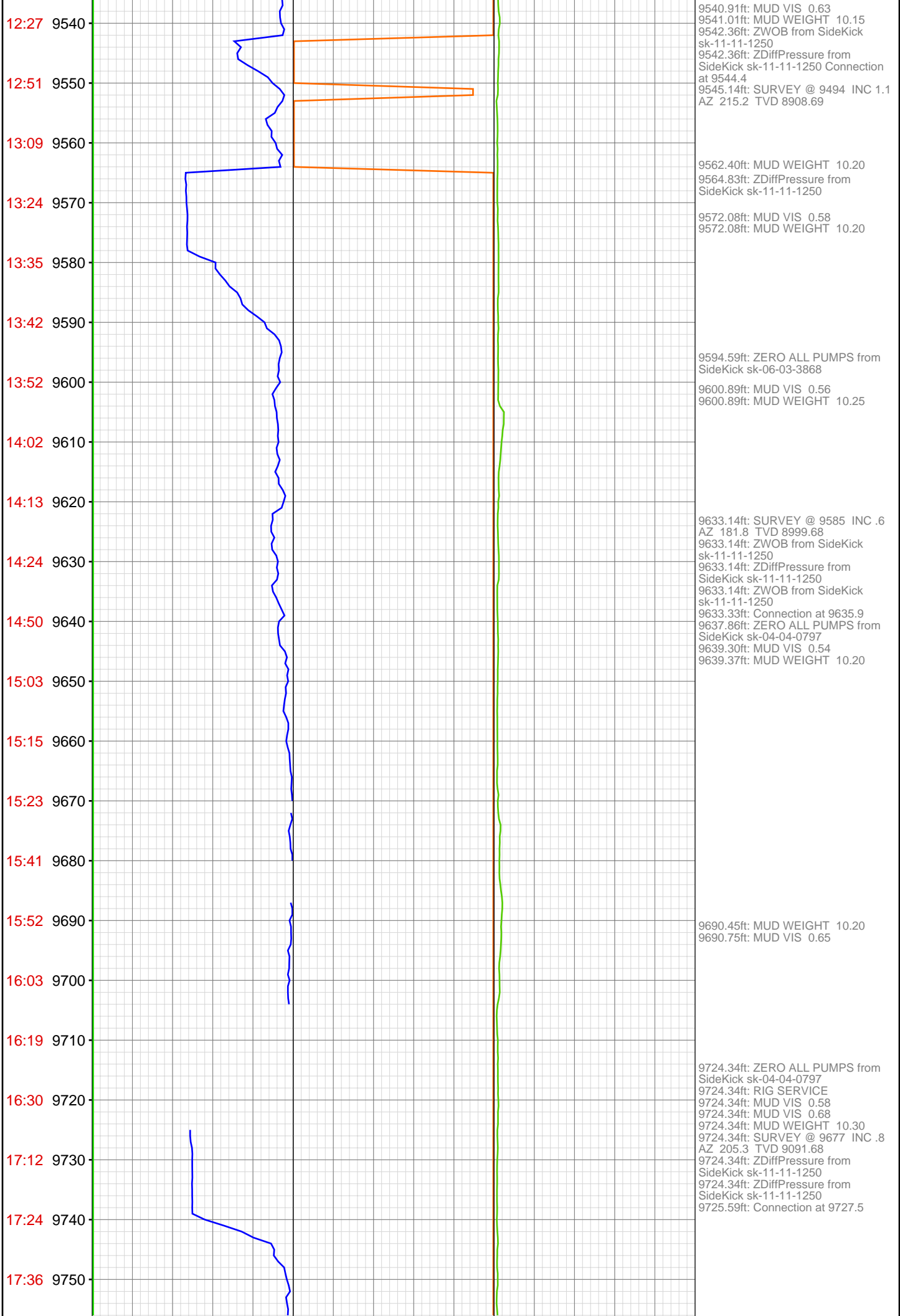
8802.85ft: MUD VIS 0.58
8802.92ft: MUD WEIGHT 9.90
8808.53ft: Connection at 8812.1
8808.53ft: ZWOB from SideKick
sk-11-11-1250
8808.53ft: ZDiffPressure from
SideKick sk-11-11-1250
8808.53ft: SURVEY @ 8762 INC. 0.7
AZ. 12.0 TVD. 8176.82

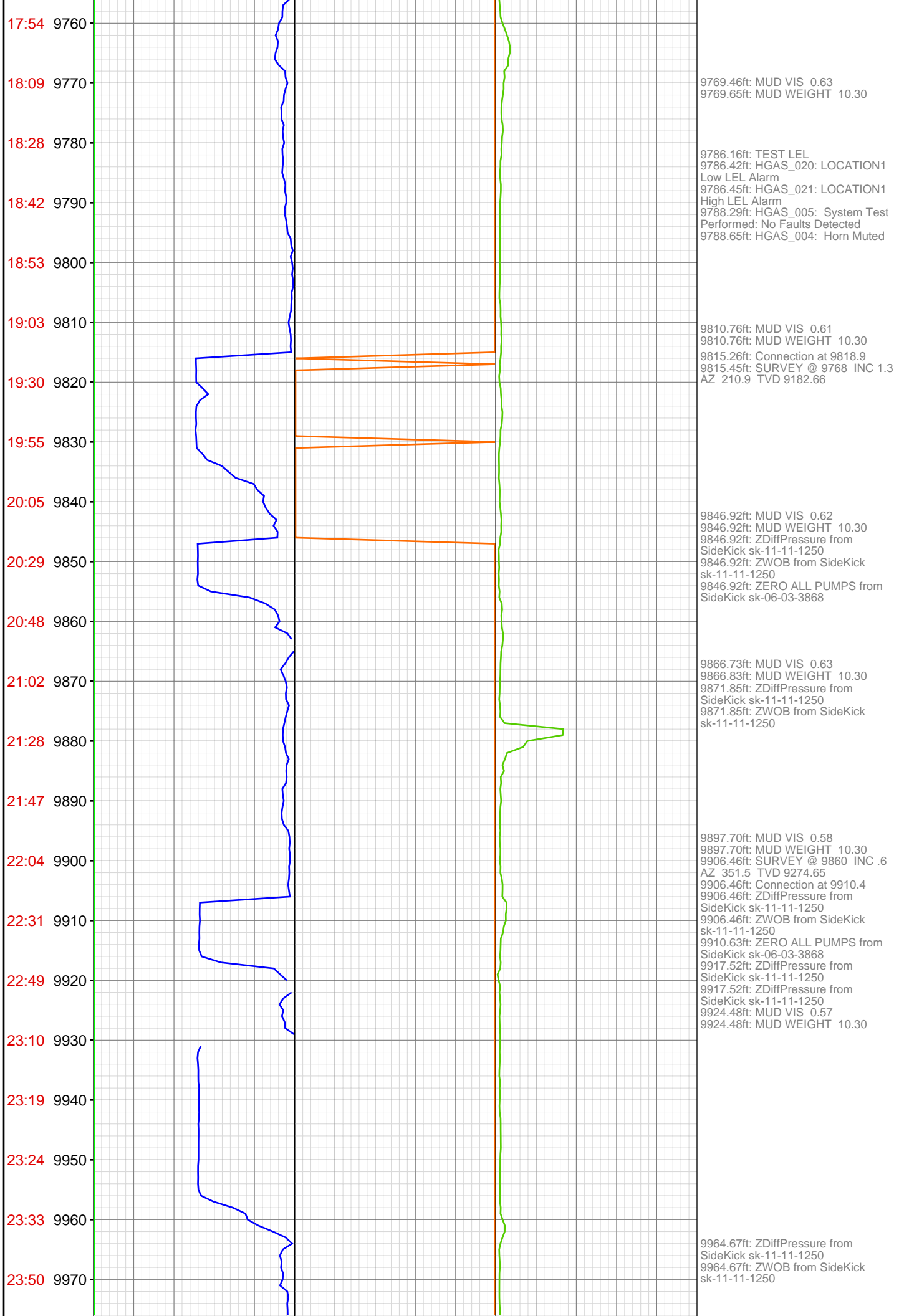
8838.75ft: MUD VIS 0.60
8838.75ft: MUD WEIGHT 9.90
8843.01ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

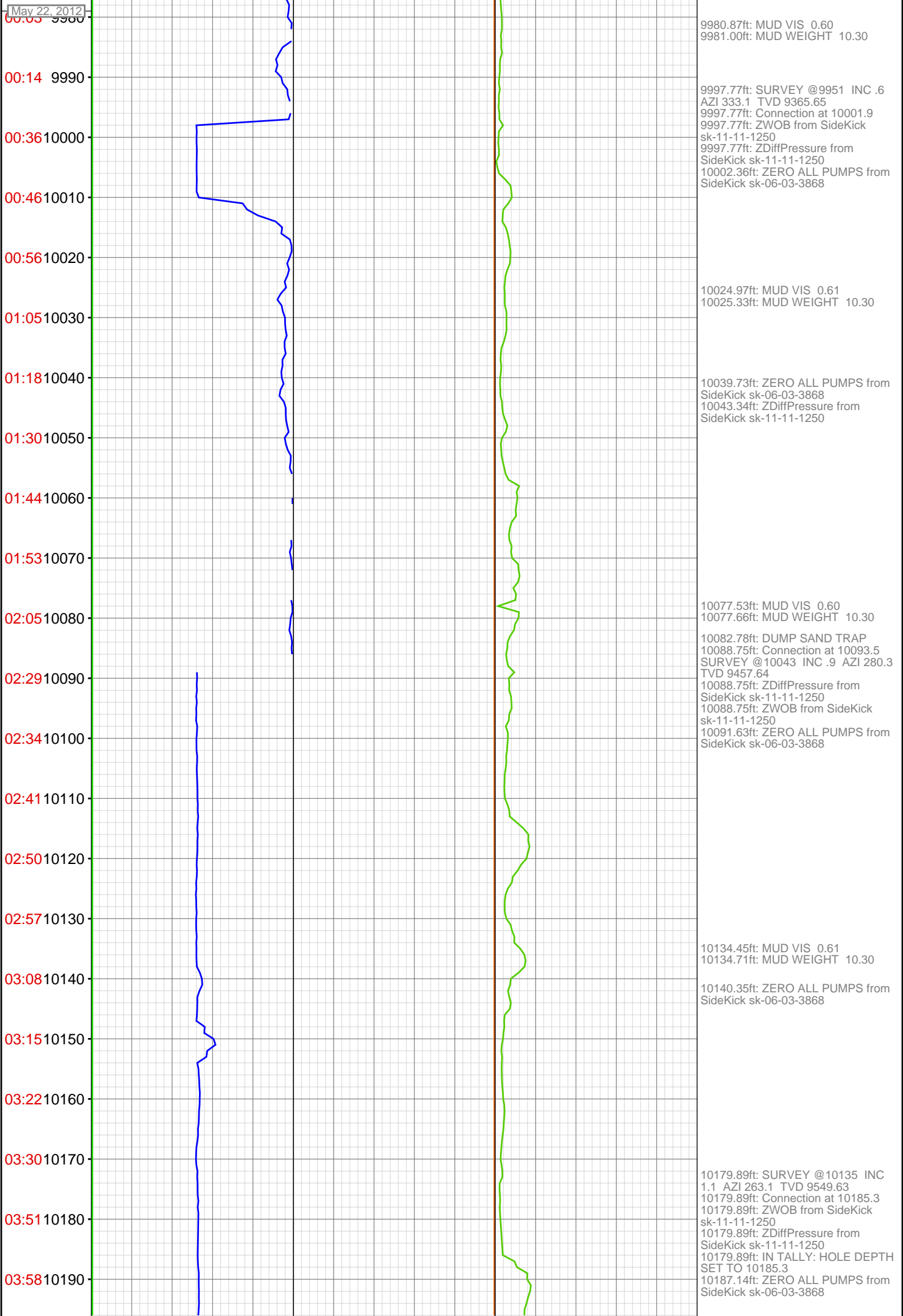


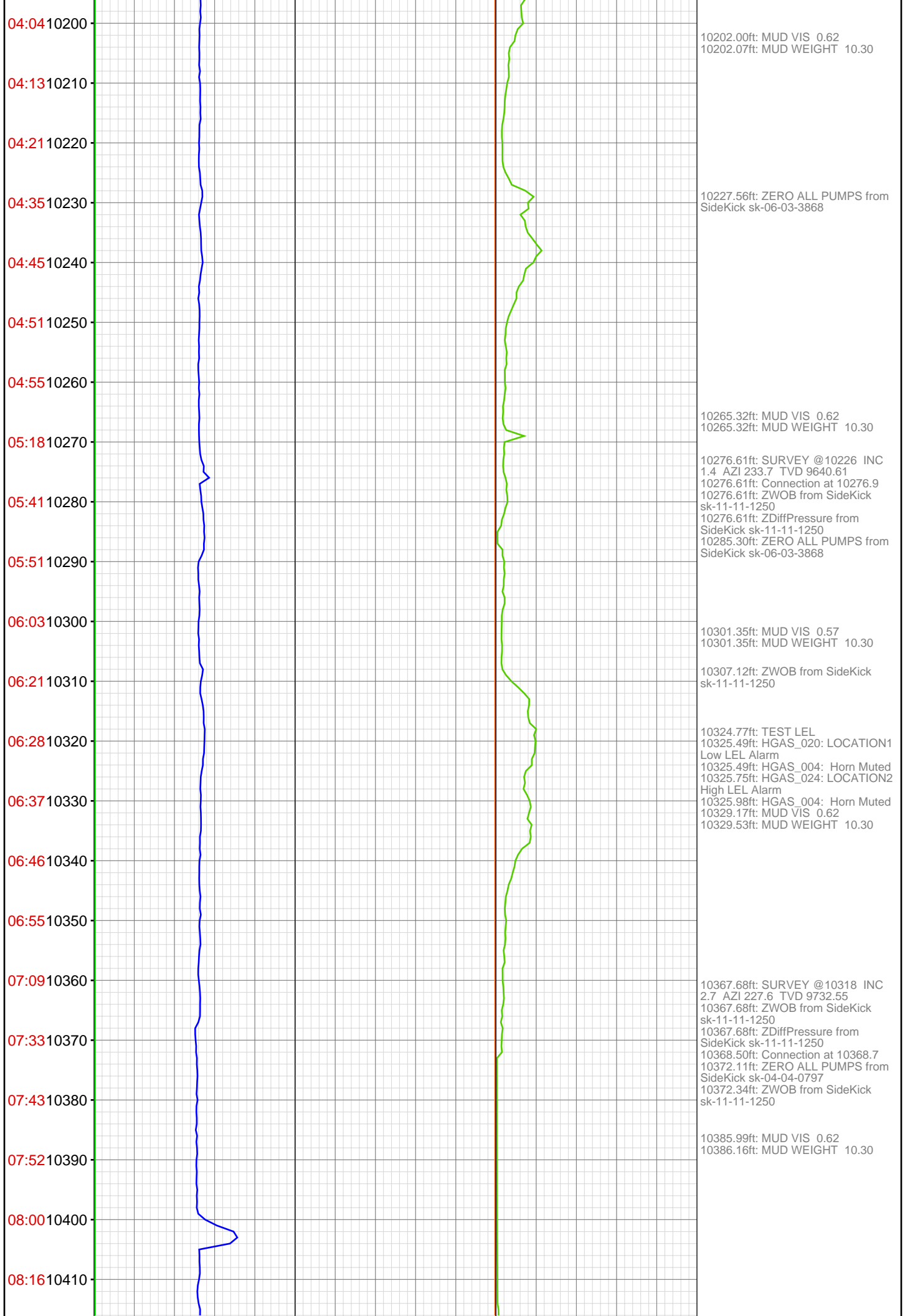


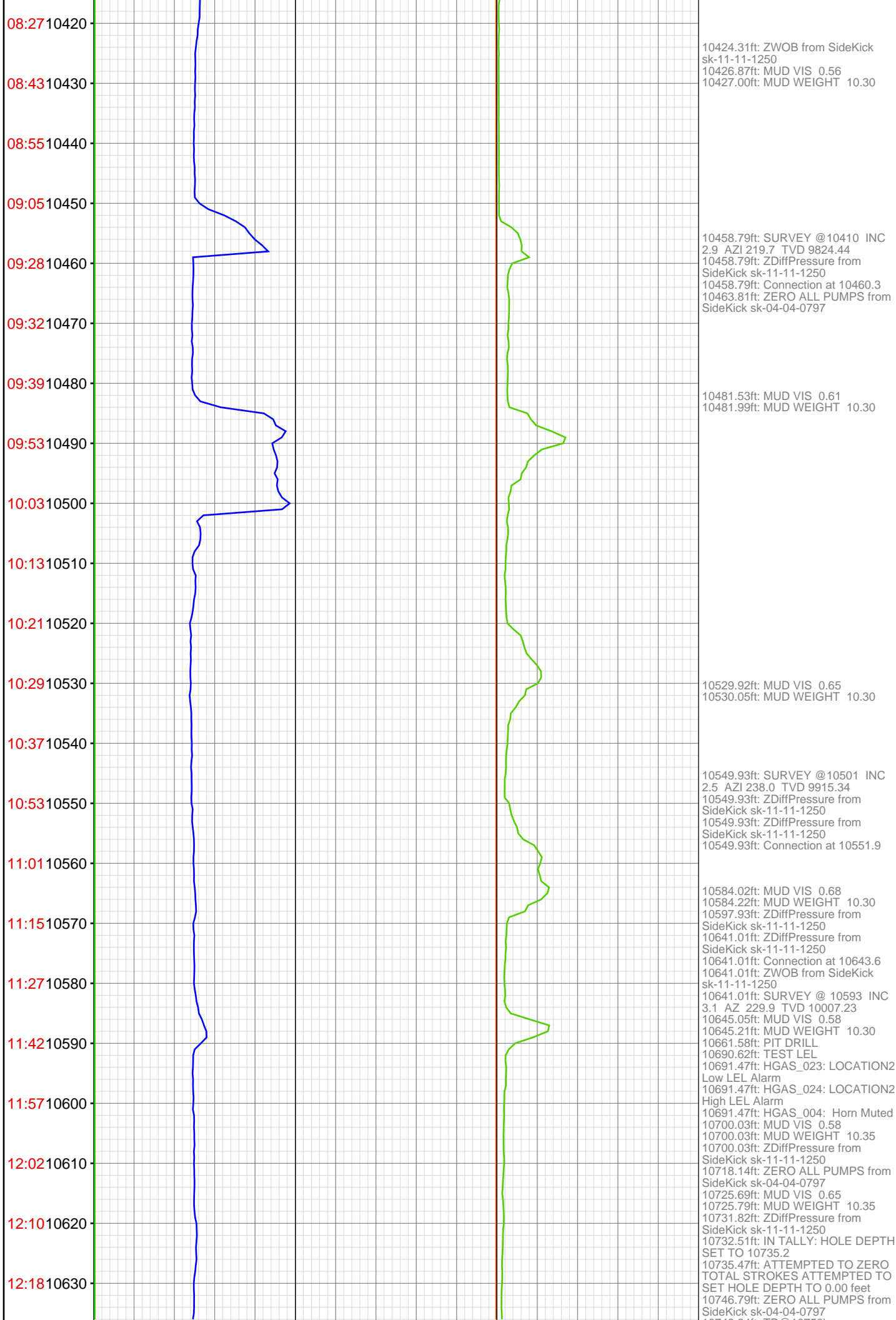






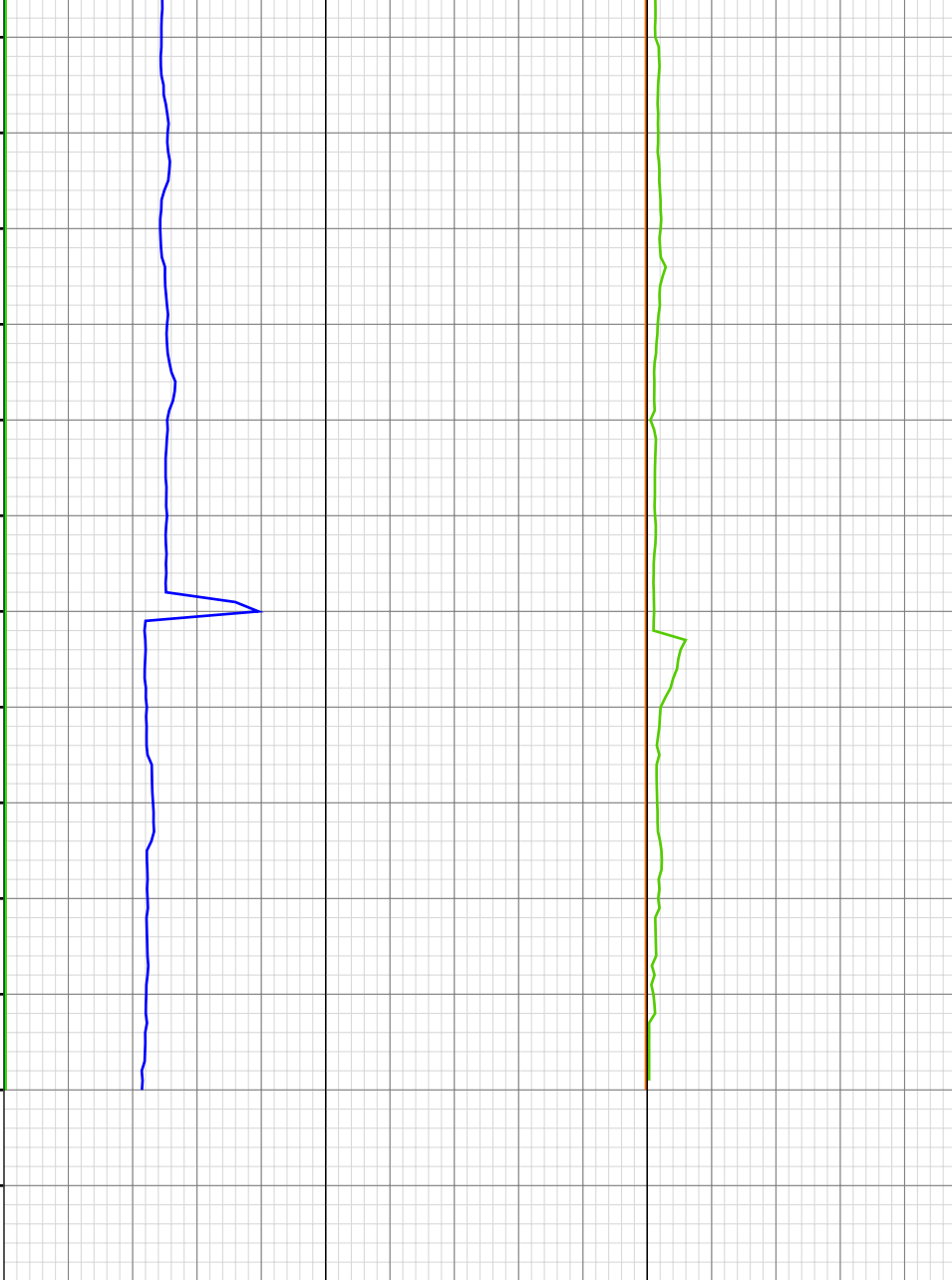






12:27 10640
12:47 10650
12:58 10660
13:14 10670
13:26 10680
13:39 10690
13:52 10700
14:26 10710
14:42 10720
15:01 10730
15:27 10740
15:38 10750

10760



10749.34ft: TD@10750
10750.07ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10750.07ft: RIG SERVICE
10750.07ft: MUD VIS 0.61
10750.07ft: MUD WEIGHT 10.30
10750.07ft: MUD VIS 0.57
10750.07ft: MUD WEIGHT 10.30
10750.07ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10750.07ft: MUD VIS 0.57
10750.07ft: MUD WEIGHT 10.30
10750.07ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10750.07ft: PUMP OUT CELLAR
10750.07ft: MUD VIS 0.57
10750.07ft: MUD WEIGHT 10.30
10750.07ft: MUD VIS 0.57
10750.07ft: MUD WEIGHT 10.30
10750.07ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10750.07ft: PUMP OUT CELLAR
10750.07ft: MUD VIS 0.57
10750.07ft: MUD WEIGHT 10.30
10750.07ft: NO/FLOW
10750.07ft: MUD VIS 0.56
10750.07ft: MUD WEIGHT 10.30
10750.07ft: MUD VIS 0.55
10750.07ft: MUD WEIGHT 10.30
10750.07ft: FILL PIPE
10750.07ft: ZERO ALL PUMPS from
SideKick sk-11-11-1250
10750.07ft: BIT DEPTH CHANGED
TO 1821.0 FEET
10750.07ft: MUD VIS 52.00
10750.07ft: MUD WEIGHT 10.40
10750.07ft: CIRCULATE
10750.07ft: ZERO ALL PUMPS from
SideKick sk-11-11-1250
10750.07ft: ZERO ALL PUMPS from
SideKick sk-11-11-1250
10750.07ft: MUD VIS 53.00
10750.07ft: MUD WEIGHT 10.40
10750.07ft: MUD VIS 52.00
10750.07ft: MUD WEIGHT 10.40
10750.07ft: ZERO ALL PUMPS from
SideKick sk-11-11-1250
10750.07ft: MUD WEIGHT 10.45
10750.07ft: MUD VIS 50.00
10750.07ft: ROTATING RUBBER
10750.07ft: ZERO ALL PUMPS from
SideKick sk-11-11-1250
10750.07ft: MUD WEIGHT 10.45
10750.07ft: MUD VIS 55.00
10750.07ft: ZERO ALL PUMPS from
SideKick sk-11-11-1250
10750.07ft: C/O ELEVATORS
10750.07ft: MUD WEIGHT 10.40
10750.07ft: MUD VIS 53.00
10750.07ft: ZERO ALL PUMPS from
SideKick sk-11-11-1250
10750.07ft: ZERO ALL PUMPS from
SideKick sk-11-11-1250
10750.07ft: ZERO ALL PUMPS from
SideKick sk-11-11-1250
10750.07ft: BIT DEPTH CHANGED
TO 10725.0 FEET