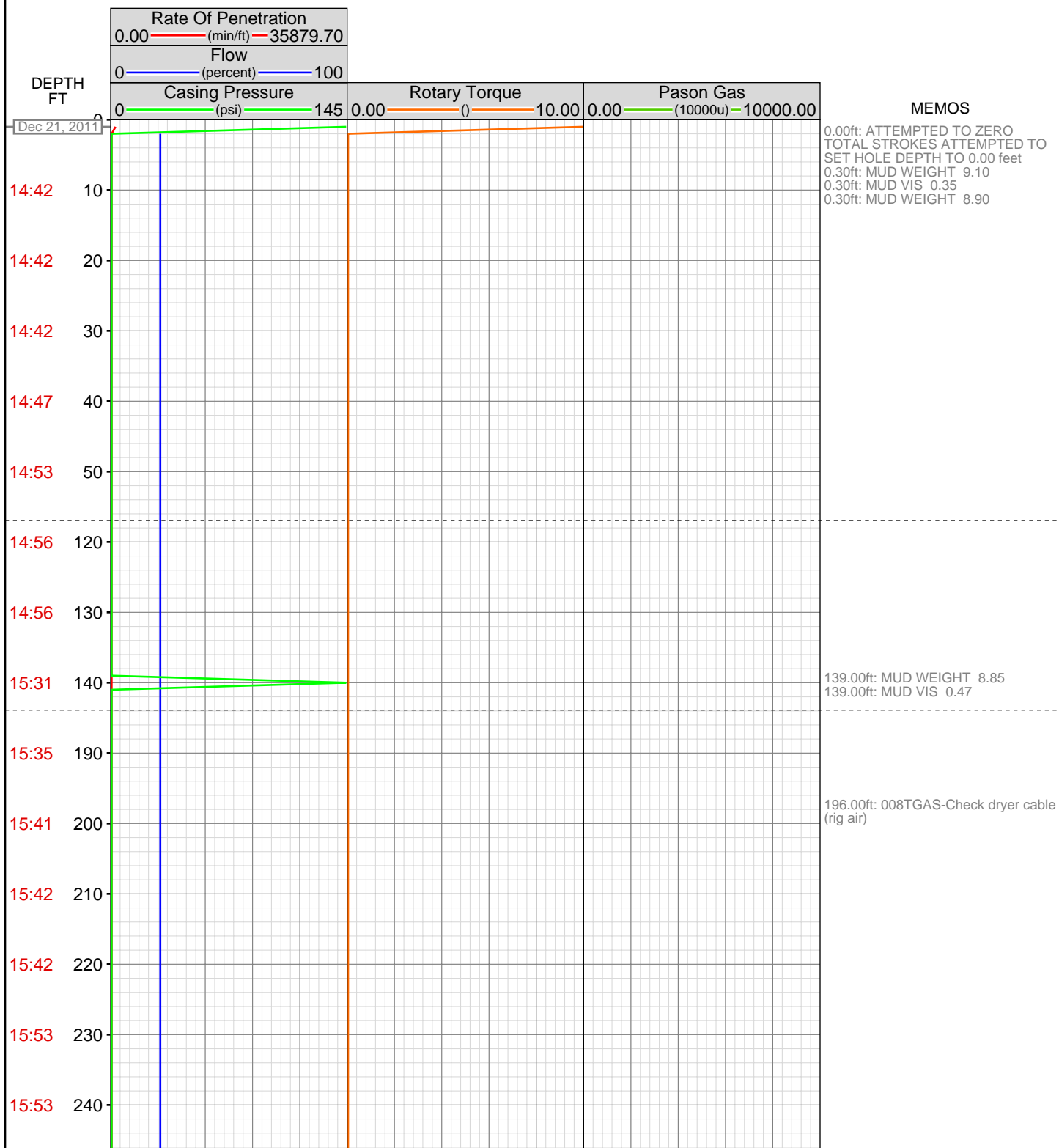


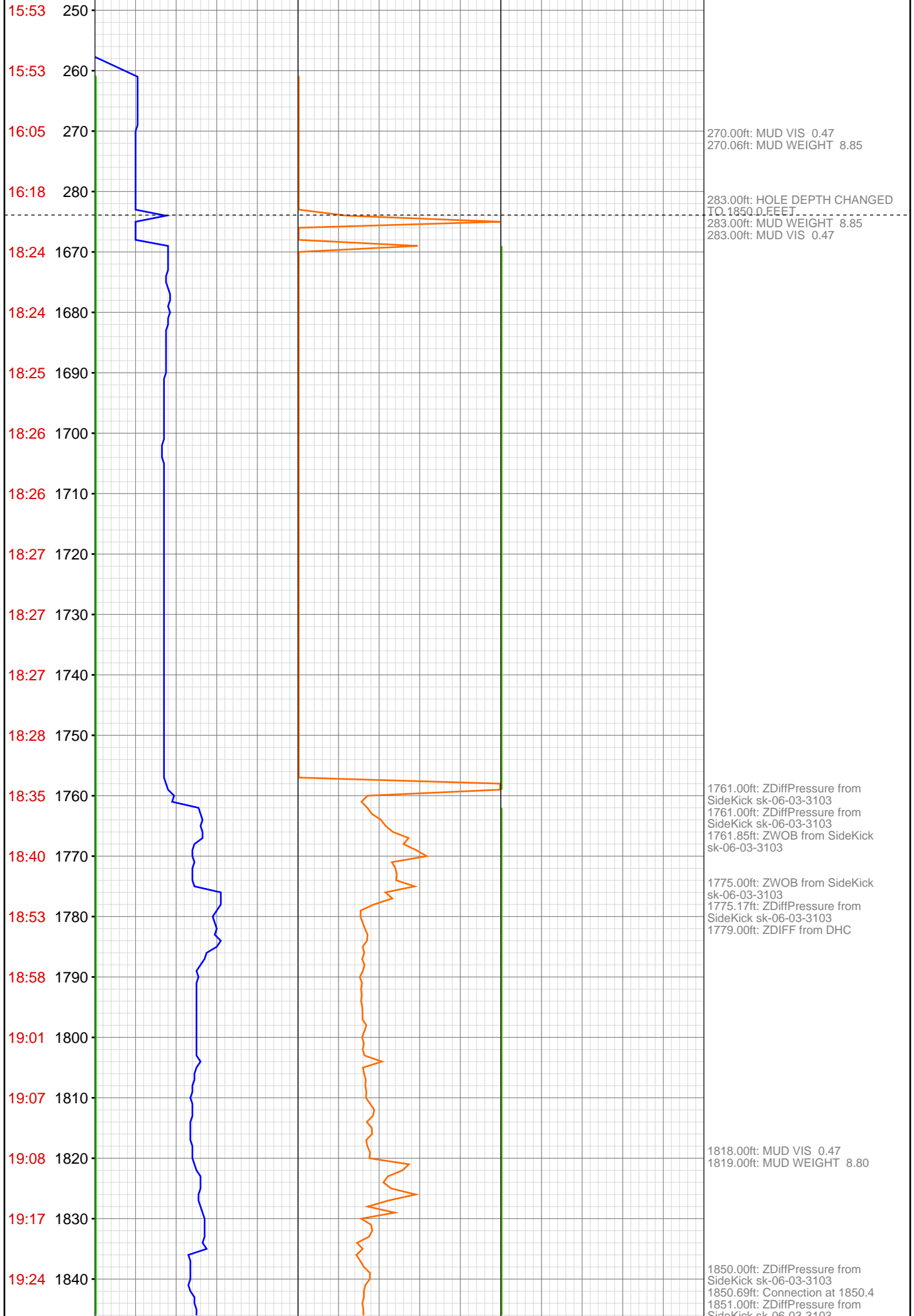
DataHub EDR Log

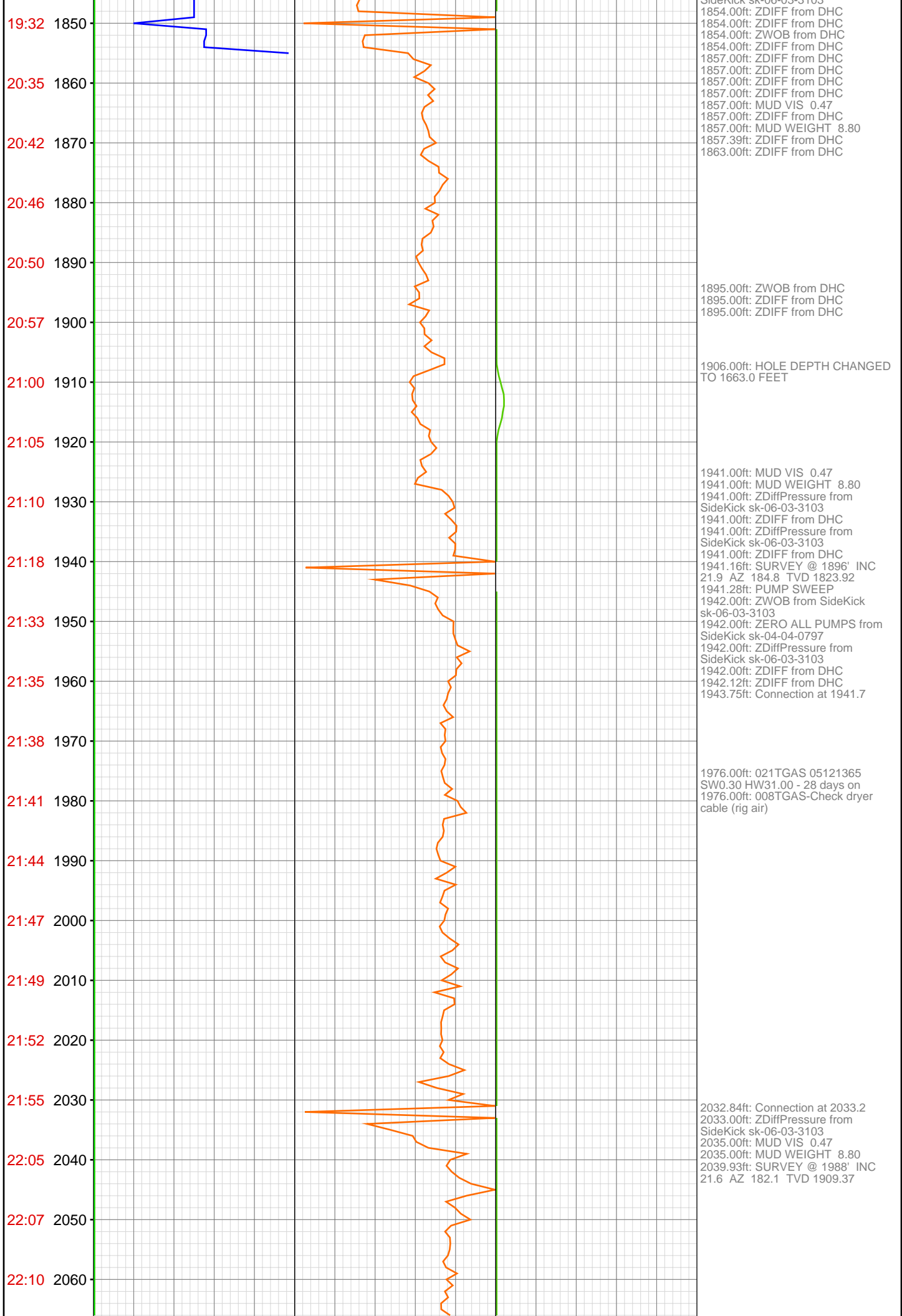
Tue Jan 03, 2012 09:22:26
Well Dossier 1324457593
Marilyn Tucker

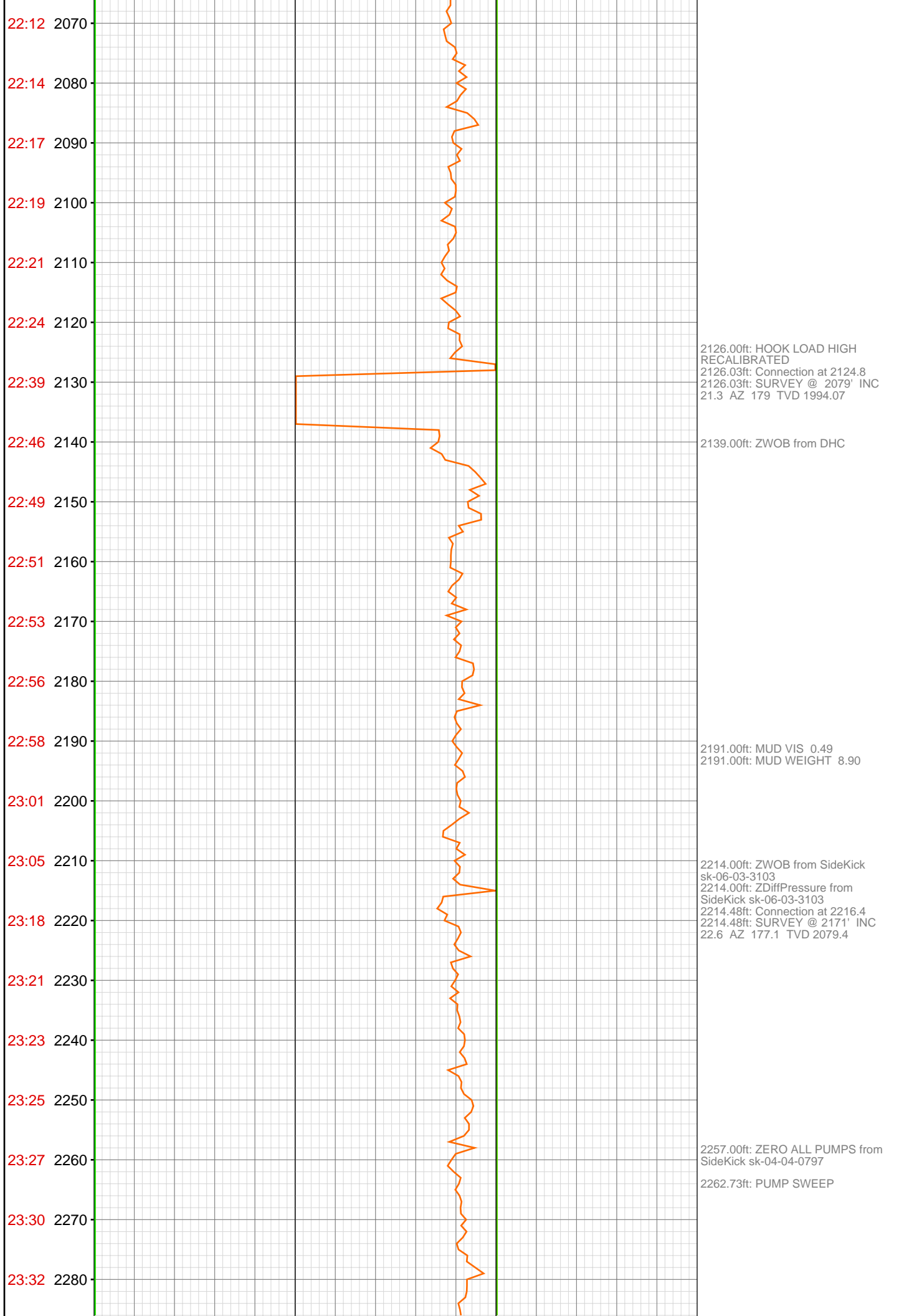
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: NPEF 08B-34 P27 595 PRODUCTION
FIELD:
LOCATION: QTR:QTR:SESE SEC:27 TWP:5S RNG
COUNTRY: USA
RIG: Pat-UTI 303

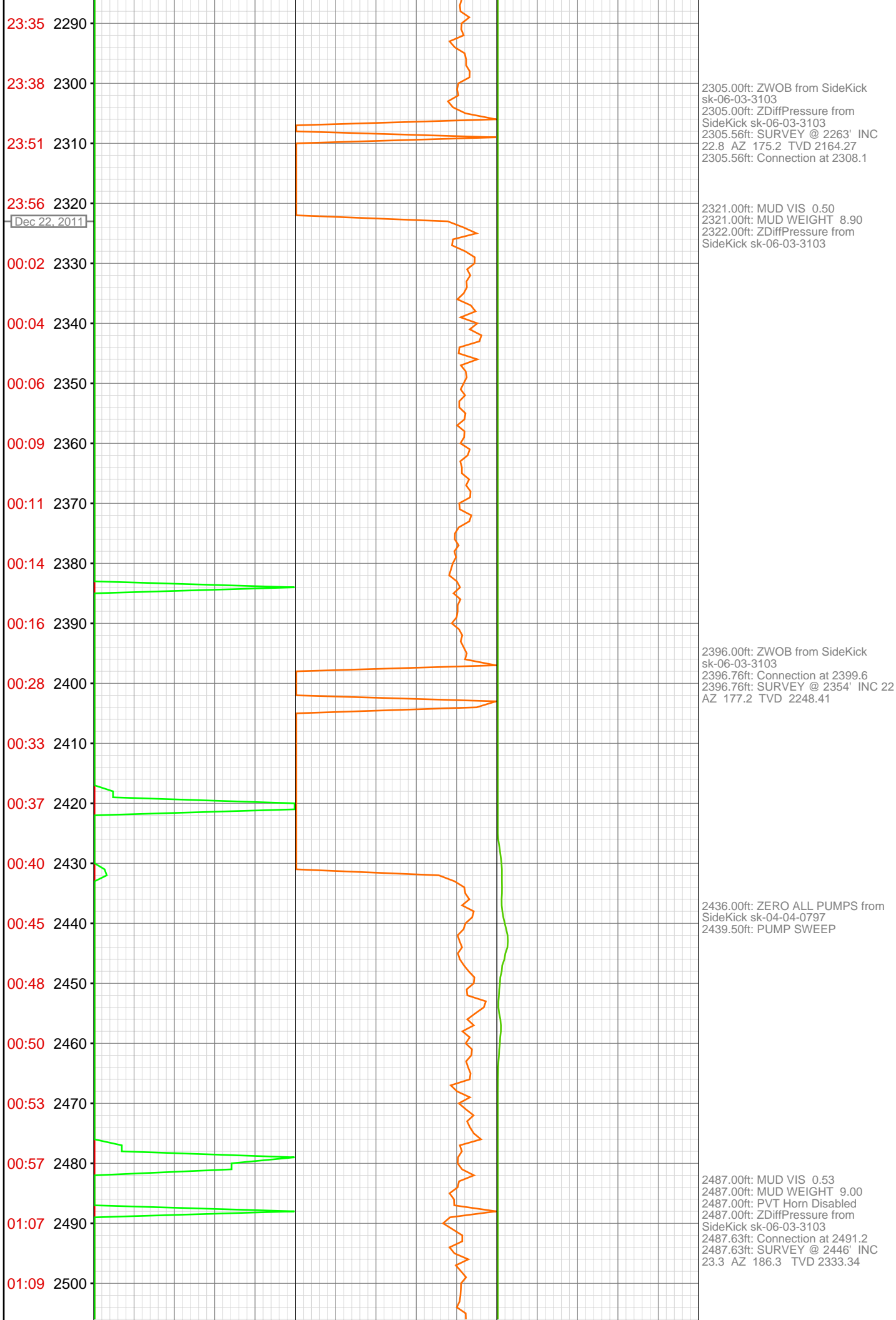
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05 045 20287 00
SPUD DATE: Dec 21, 2011 20:00
RELEASE DATE: Dec 28, 2011 18:00

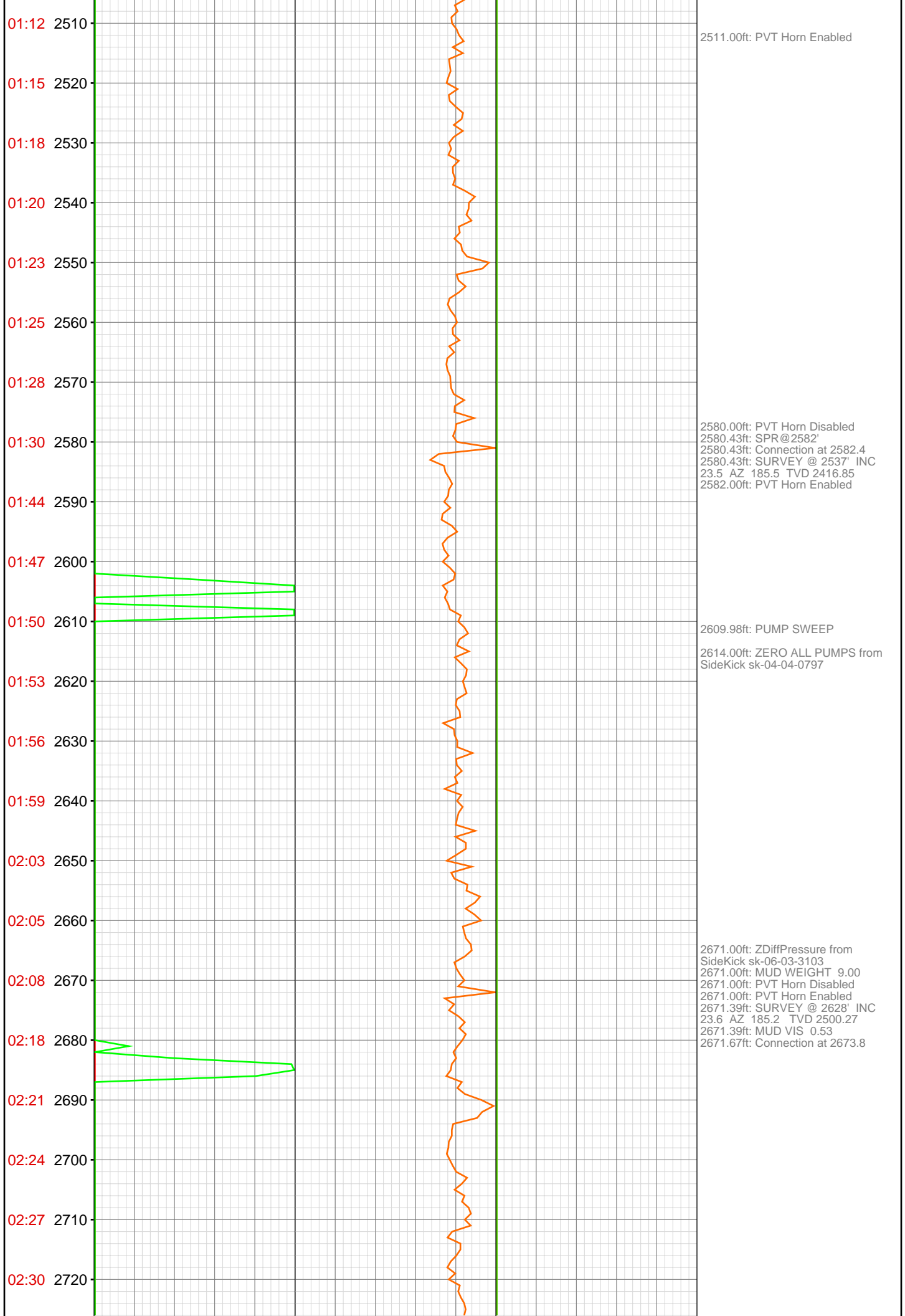


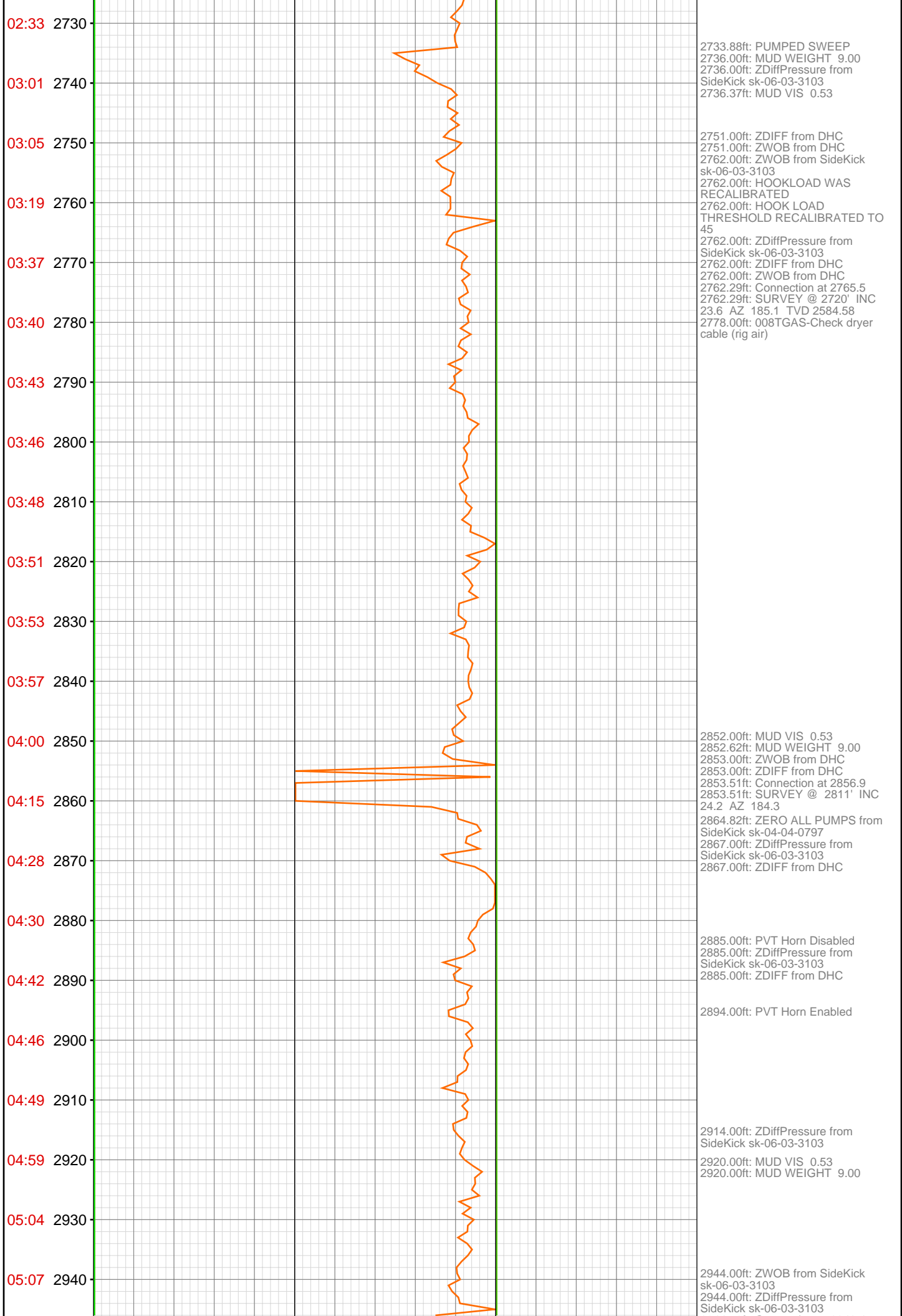












05:18 2950

05:22 2960

05:25 2970

05:29 2980

05:33 2990

05:37 3000

05:40 3010

05:43 3020

05:47 3030

06:03 3040

06:07 3050

06:11 3060

06:14 3070

06:17 3080

06:22 3090

06:25 3100

06:29 3110

06:35 3120

06:50 3130

06:54 3140

06:58 3150

07:01 3160

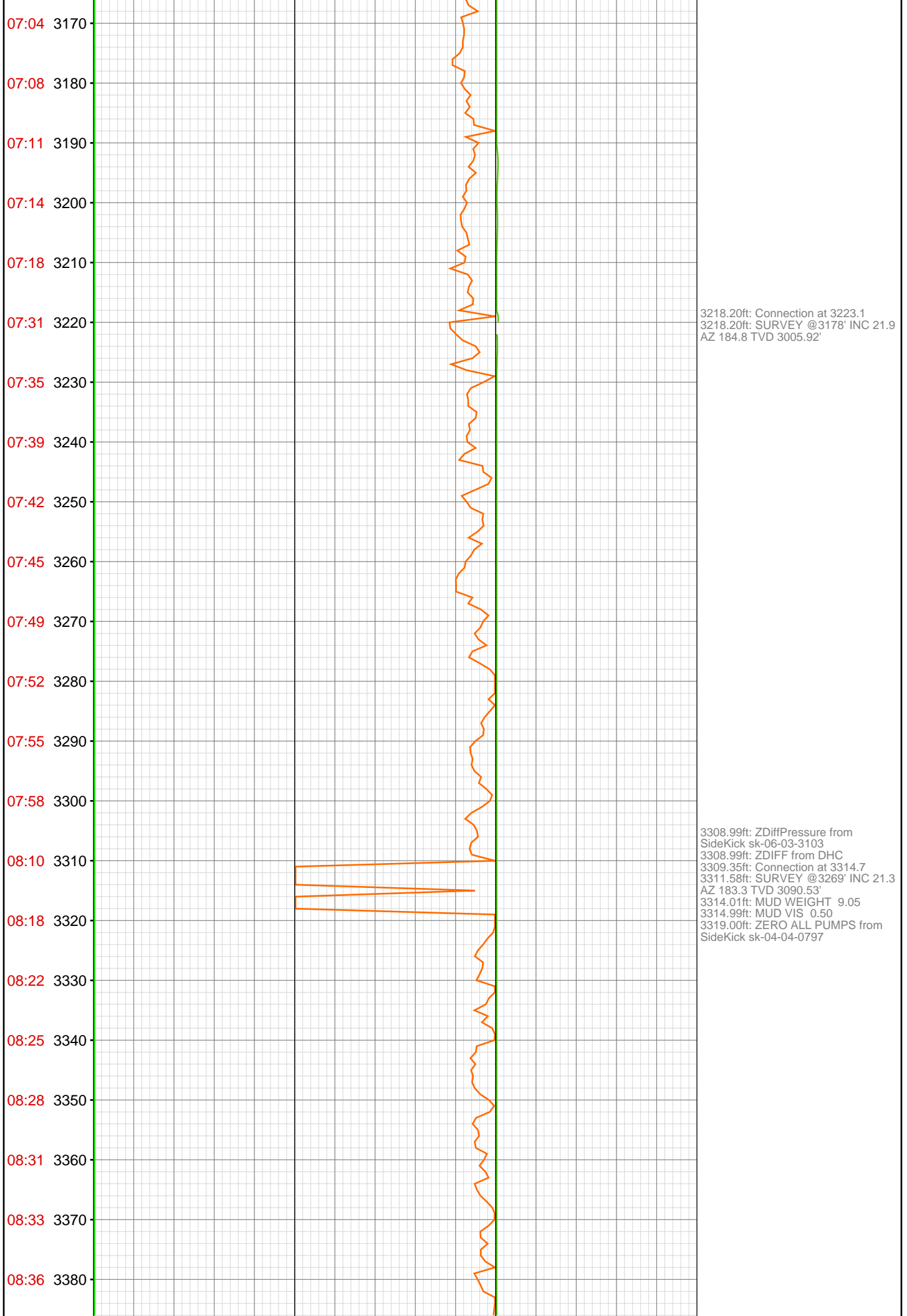
2944.79ft: Connection at 2948.4
2944.79ft: SURVEY @ 2903' INC
23.5 AZ 184.3 TVD 2751.92
2949.57ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

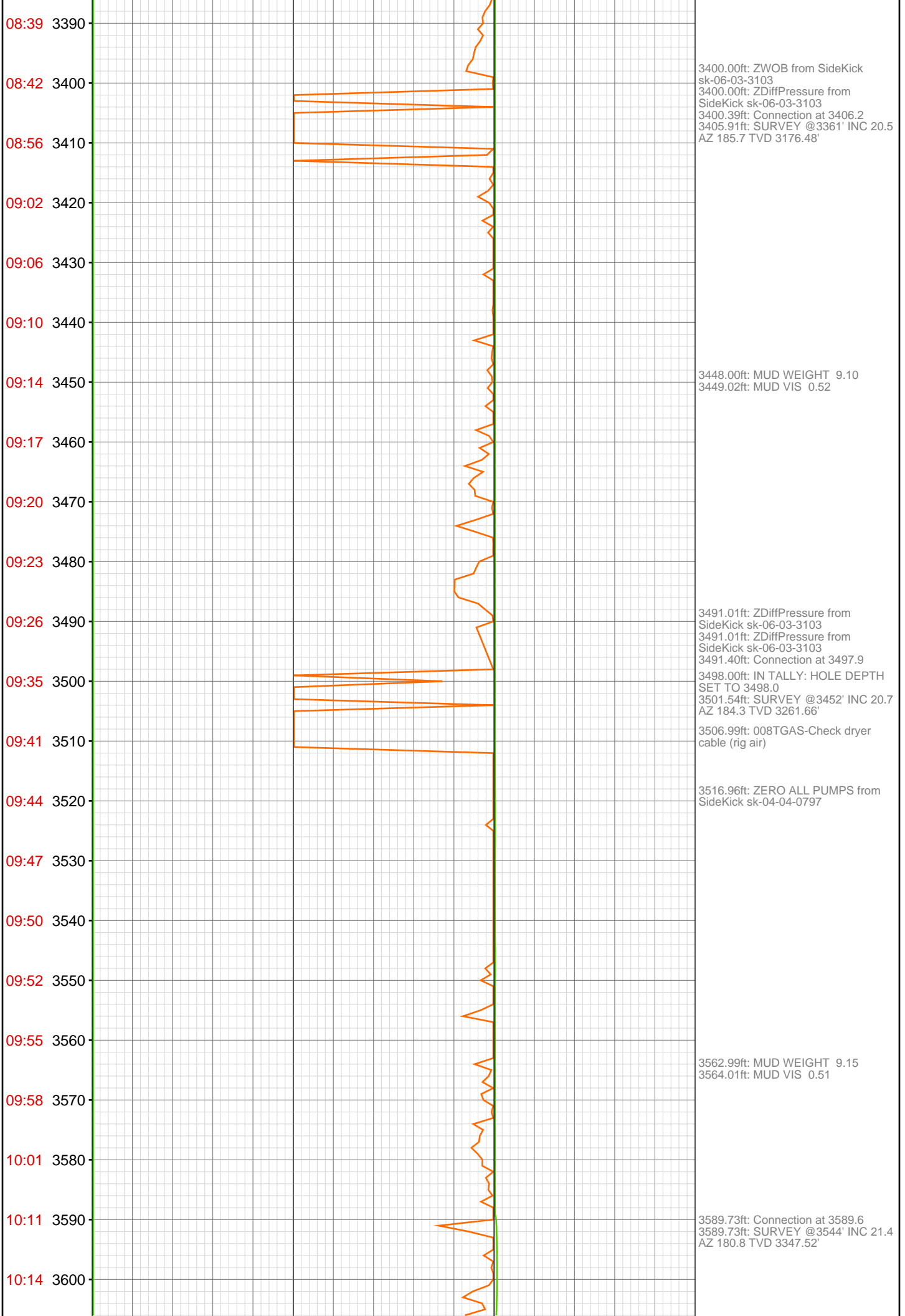
2973.55ft: PUMP SWEEP

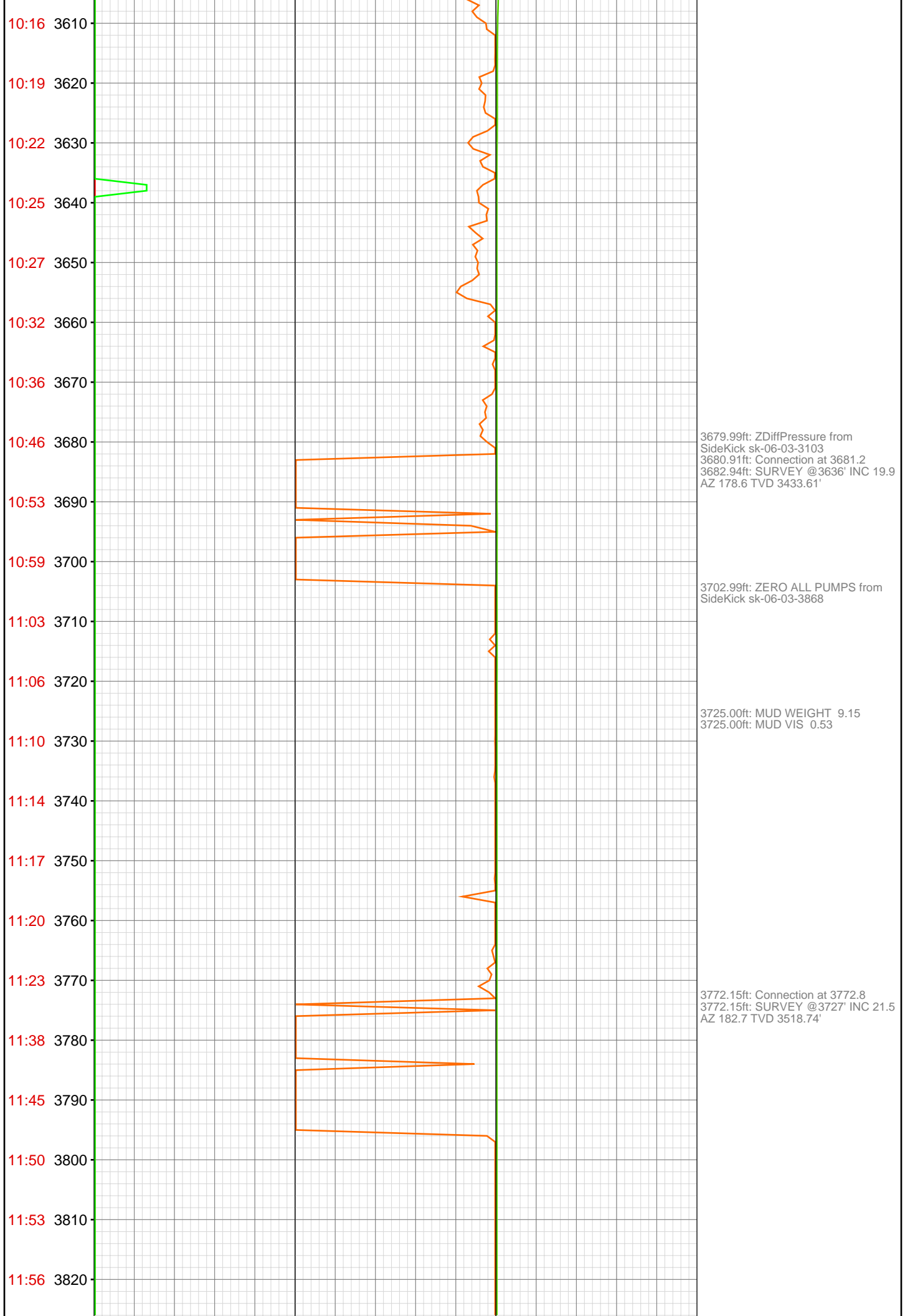
3035.93ft: SURVEY @2994' INC 22.8
AZ 184.7 TVD 2835.59'
3035.93ft: Connection at 3039.7

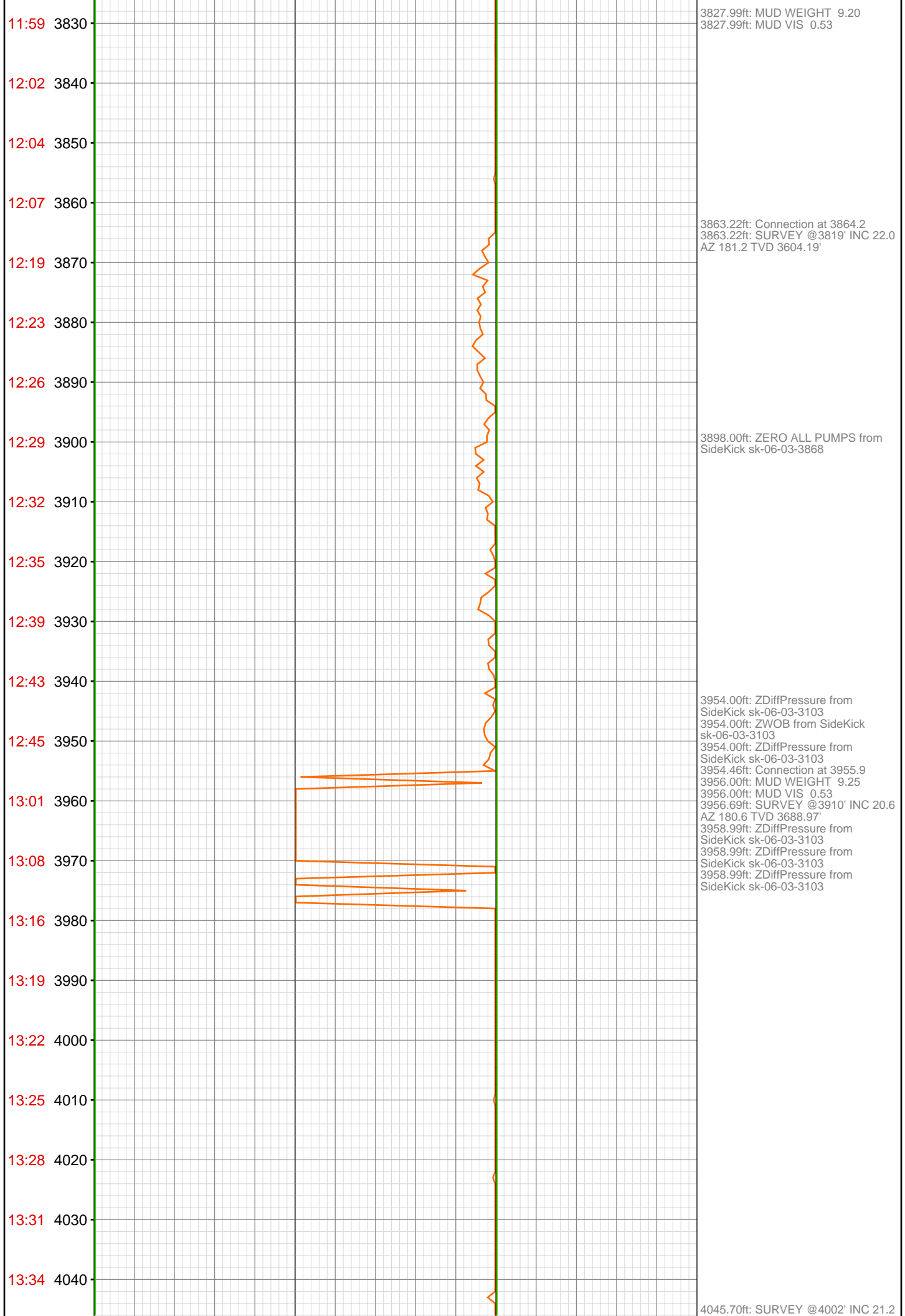
3042.00ft: MUD VIS 0.47
3043.00ft: MUD WEIGHT 9.00

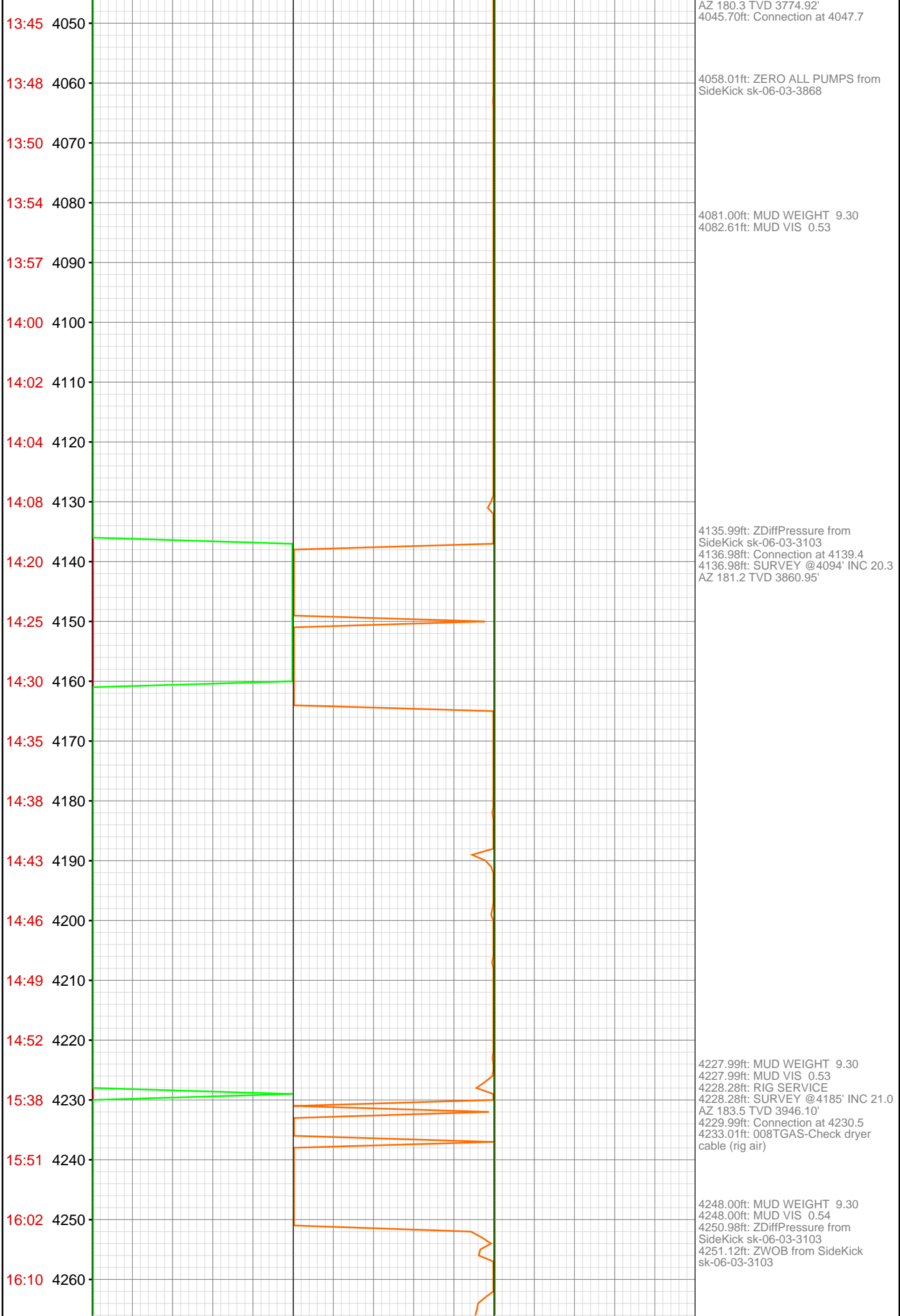
3127.00ft: ZDiffPressure from
SideKick sk-06-03-3103
3127.00ft: ZWOB from SideKick
sk-06-03-3103
3127.10ft: Connection at 3131.4
3127.26ft: SURVEY @3086' INC 22.1
AZ 183.9 TVD 2920.62'



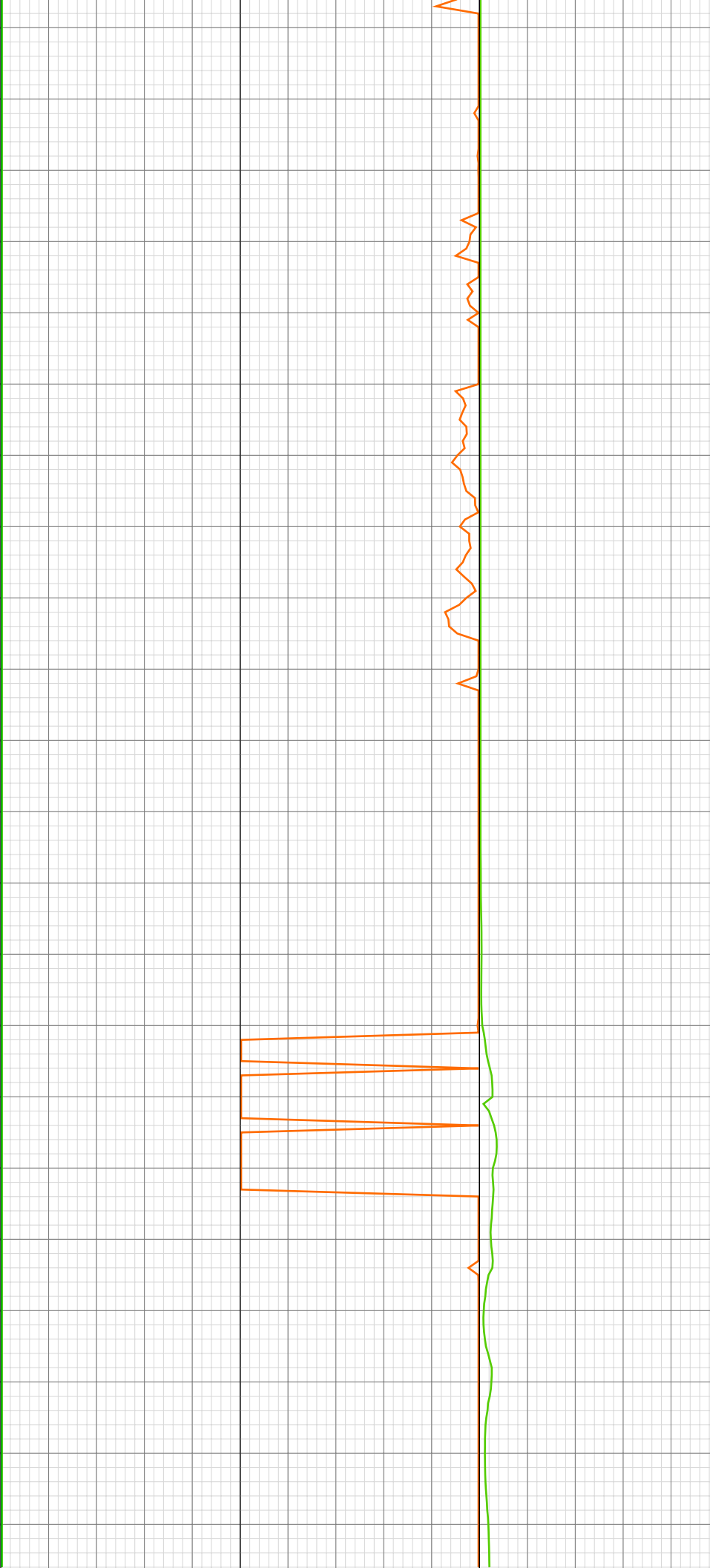








16:15 4270
16:19 4280
16:21 4290
16:24 4300
16:28 4310
16:47 4320
16:53 4330
16:56 4340
17:00 4350
17:06 4360
17:14 4370
17:17 4380
17:20 4390
17:23 4400
17:26 4410
17:37 4420
17:45 4430
17:52 4440
17:57 4450
18:01 4460
18:05 4470
18:10 4480



4319.00ft: HOOKLOAD WAS
RECALIBRATED
4319.00ft: HOOK LOAD
THRESHOLD RECALIBRATED TO
45
4319.00ft: ZDiffPressure from
SideKick sk-06-03-3103
4319.49ft: SURVEY @4277' INC 22.3
AZ 183.6 TVD 4031.61' Connection at
4322.1

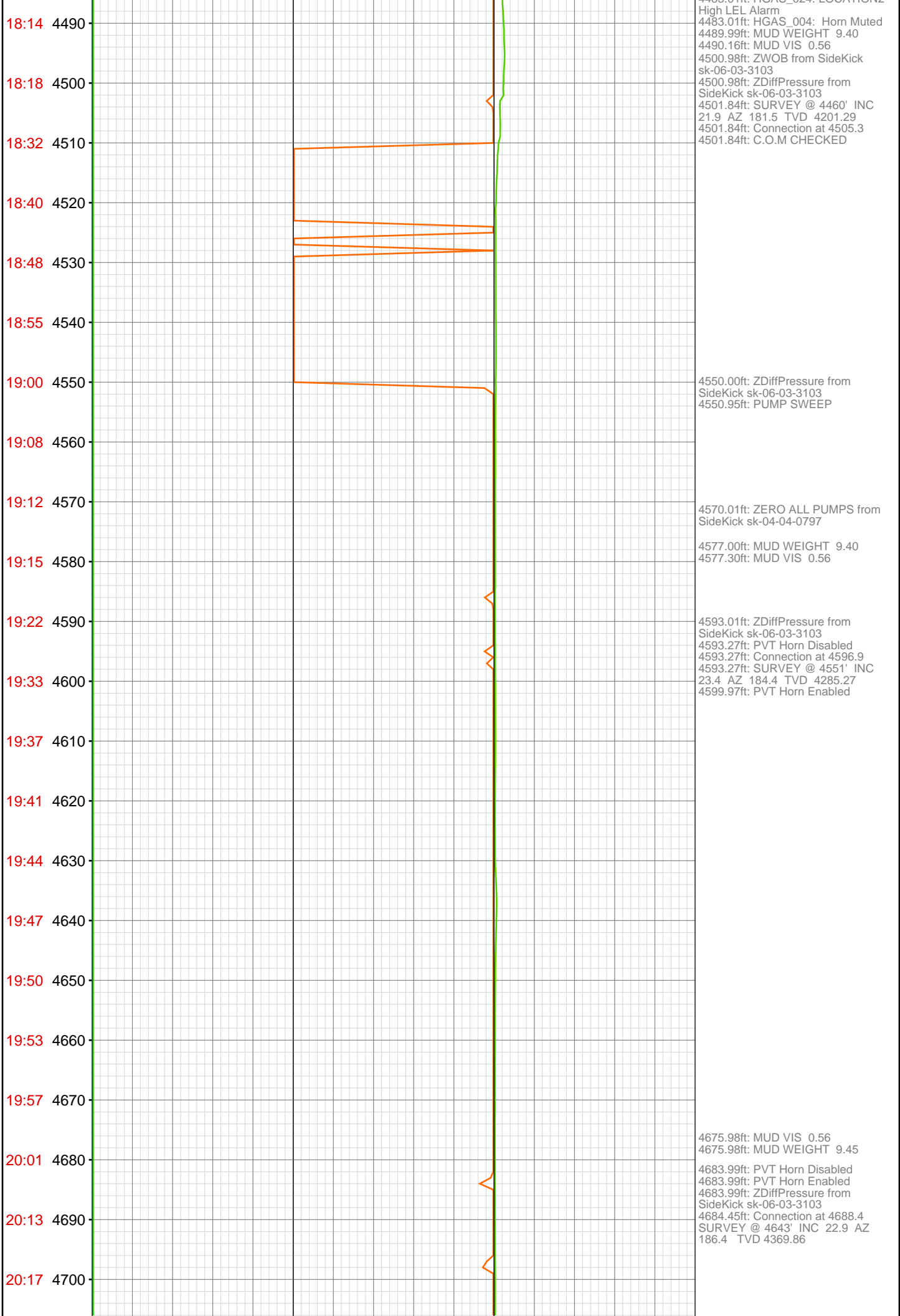
4350.00ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868
4350.00ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

4360.89ft: WT 9.3 VIS 54

4408.96ft: Connection at 4413.7
4410.01ft: ZDiffPressure from
SideKick sk-06-03-3103
4411.68ft: SURVEY @ 4368' INC
21.9 AZ 182.4 TVD 4115.93

4433.01ft: ZDiffPressure from
SideKick sk-06-03-3103

4481.00ft: HGAS_020: LOCATION1
Low LEL Alarm
4481.04ft: TEST LEL
4481.99ft: HGAS_021: LOCATION1
High LEL Alarm
4481.99ft: HGAS_004: Horn Muted
4483.01ft: HGAS_024: LOCATION2



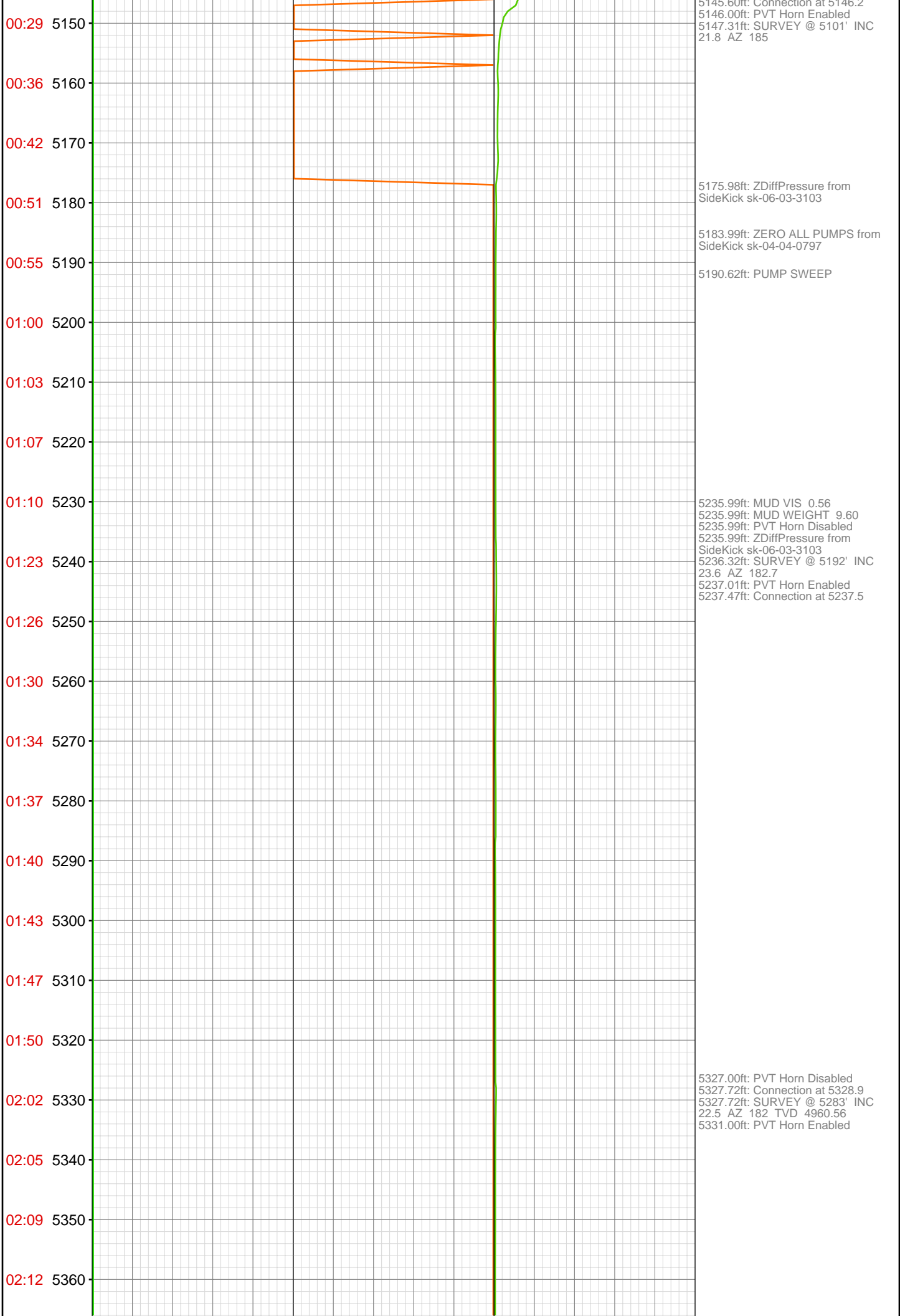
20:21 4710
20:24 4720
20:29 4730
20:32 4740
20:35 4750
20:38 4760
20:42 4770
20:54 4780
21:01 4790
21:05 4800
21:10 4810
21:17 4820
21:23 4830
21:28 4840
21:34 4850
21:39 4860
21:52 4870
21:57 4880
22:01 4890
22:04 4900
22:11 4910
22:15 4920

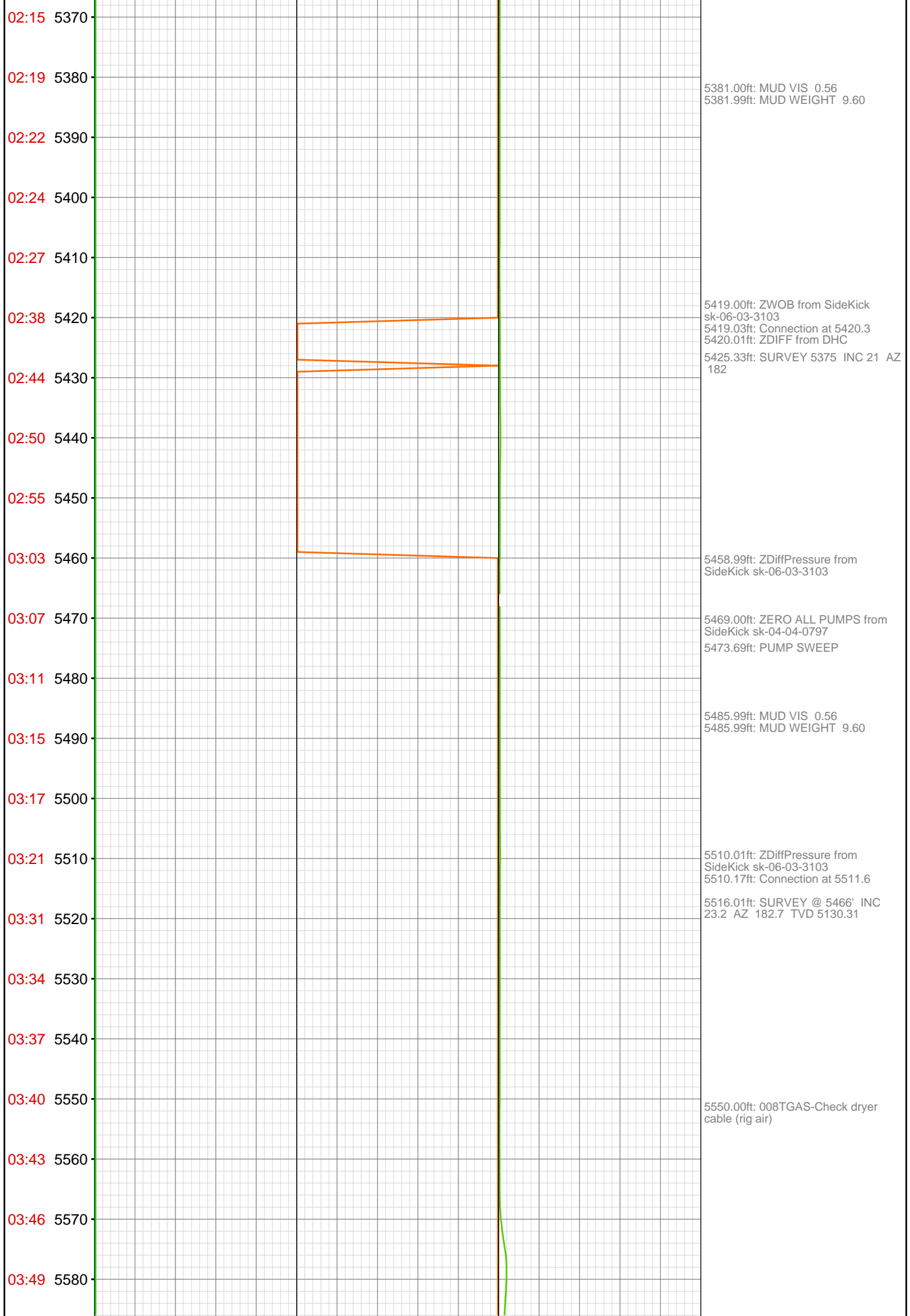
4777.99ft: PVT Horn Disabled
4777.99ft: PVT Horn Enabled
4777.99ft: ZDIFF from DHC
4778.02ft: Connection at 4780.0
4779.86ft: SURVEY @ 4735' INC
2.2 AZ 186.4 TVD 4454.89

4814.01ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
4814.01ft: ZDiffPressure from
SideKick sk-06-03-3103
4814.76ft: PUMP SWEEP

4860.99ft: 021TGAS 05121365
SW0.30 HW31.00 - 29 days on
4860.99ft: 008TGAS-Check dryer
cable (rig air)
4869.00ft: ZWOB from SideKick
sk-06-03-3103
4869.00ft: PVT Horn Disabled
4869.00ft: ZDiffPressure from
SideKick sk-06-03-3103
4869.26ft: SURVEY @ 4826' INC
23.8 AZ 183.9 TVD 4538.72
4869.26ft: Connection at 4871.6
4870.01ft: PVT Horn Enabled







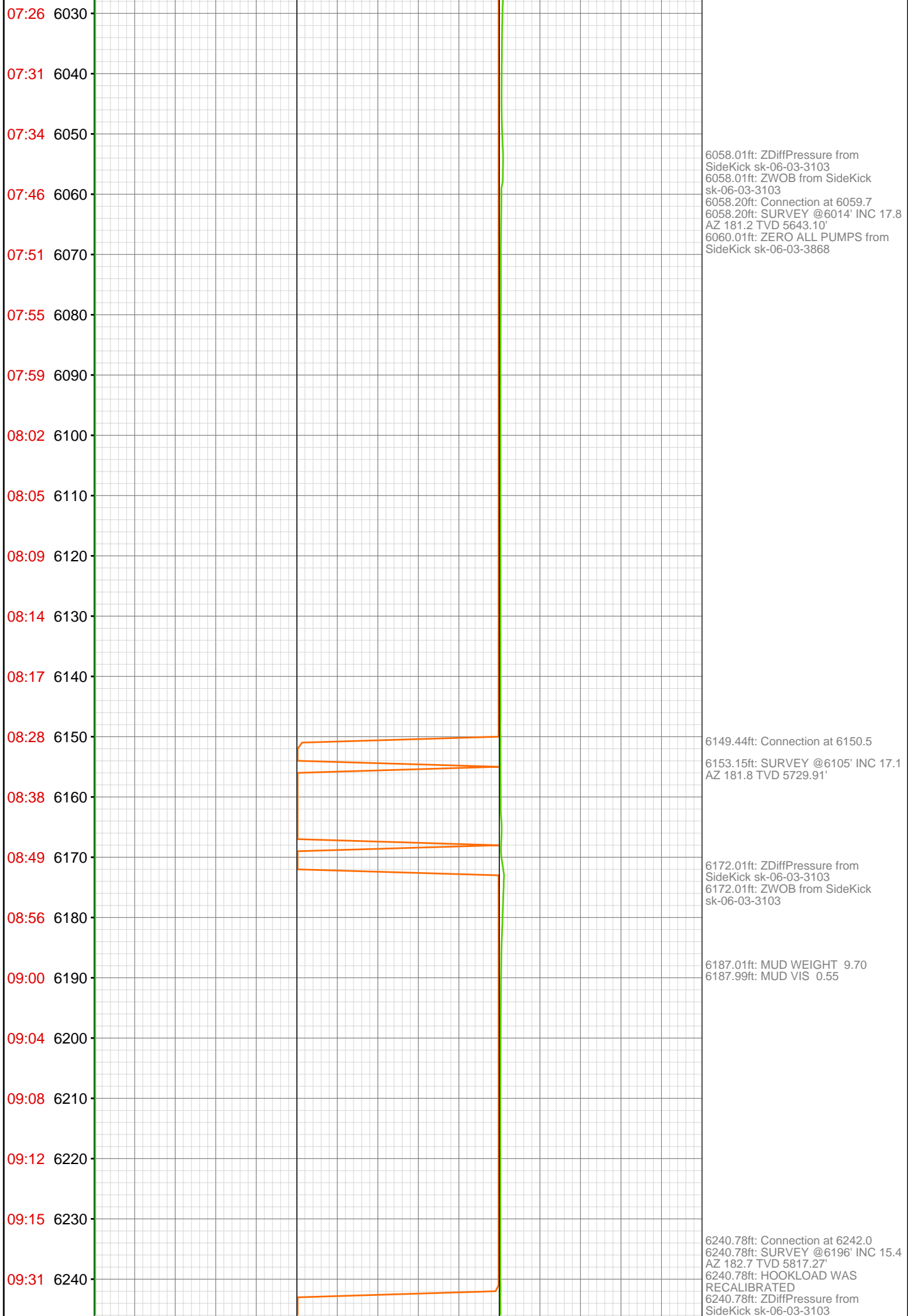
Time	Depth (ft)	Notes
03:52	5590	
03:56	5600	5600.98ft: MUD VIS 0.57 5600.98ft: PVT Horn Disabled 5600.98ft: ZDiffPressure from SideKick sk-06-03-3103 5601.61ft: MUD WEIGHT 9.60 5601.61ft: SURVEY @ 5557' INC 22.9 AZ 183.8 TVD 5214.05 5601.61ft: Connection at 5602.8
04:08	5610	
04:11	5620	5614.01ft: PVT Horn Enabled
04:15	5630	
04:18	5640	
04:21	5650	
04:25	5660	
04:28	5670	5666.01ft: ZERO ALL PUMPS from SideKick sk-04-04-0797 5668.44ft: PUMP SWEEP
04:31	5680	
04:36	5690	
04:47	5700	5691.99ft: ZDiffPressure from SideKick sk-06-03-3103 5692.32ft: PVT Horn Disabled 5692.95ft: Connection at 5693.8 5694.85ft: PVT Horn Enabled 5698.46ft: SURVEY @ 5648' INC 21.5 AZ 183.5 TVD 5298.32
04:51	5710	
04:55	5720	
04:59	5730	5724.02ft: MUD VIS 0.57 5725.00ft: MUD WEIGHT 9.60
05:03	5740	
05:07	5750	
05:10	5760	
05:13	5770	
05:17	5780	
05:29	5790	5783.99ft: PVT Horn Disabled 5783.99ft: ZDiffPressure from SideKick sk-06-03-3103 5784.22ft: Connection at 5785.2 SURVEY @ 5740' INC 20.8 AZ 182.7 TVD 5384.1 5785.99ft: PVT Horn Enabled
05:32	5800	

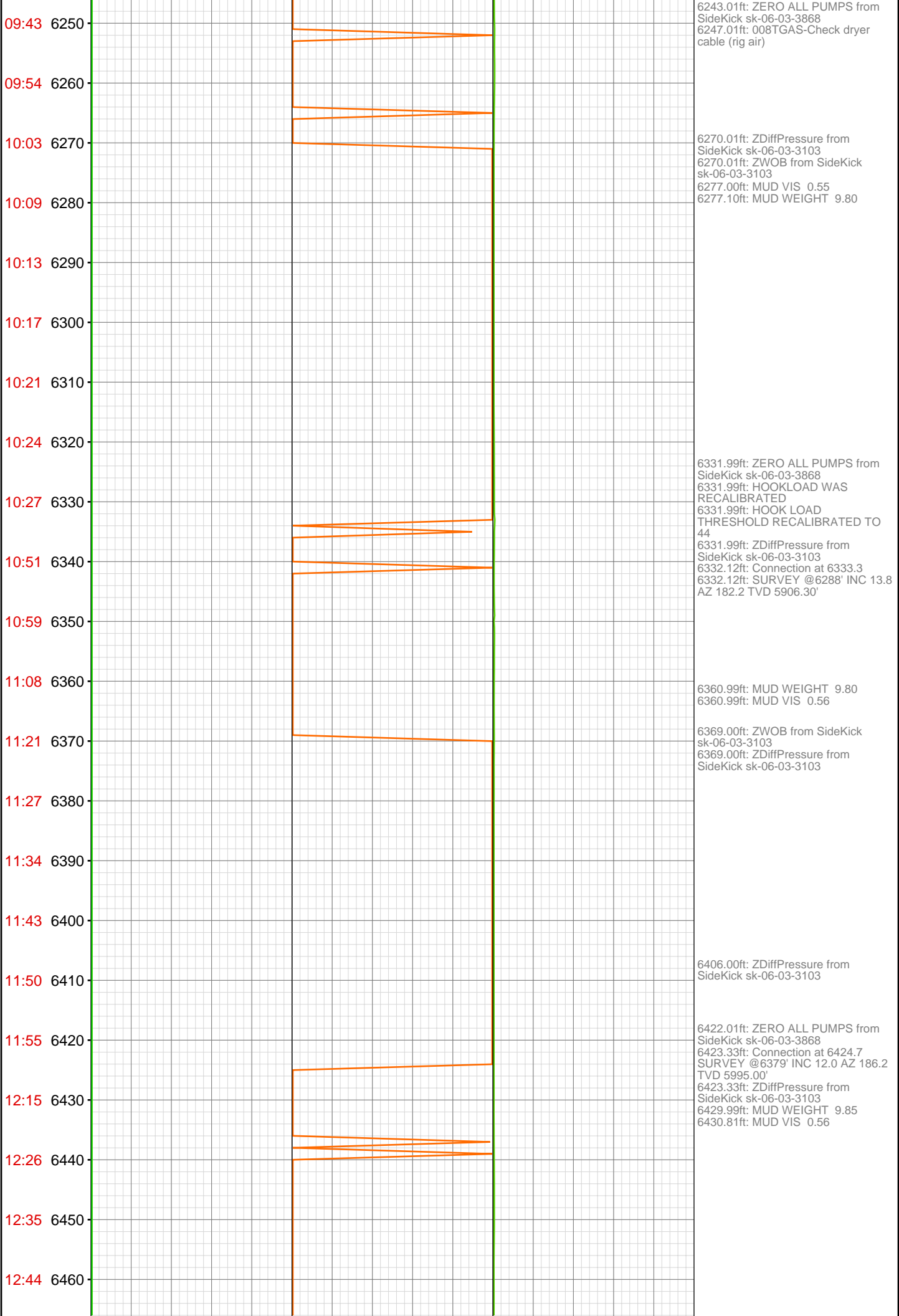
05:36 5810
05:39 5820
05:43 5830
05:48 5840
05:51 5850
05:56 5860
06:01 5870
06:18 5880
06:24 5890
06:27 5900
06:32 5910
06:36 5920
06:40 5930
06:43 5940
06:46 5950
06:49 5960
07:02 5970
07:07 5980
07:10 5990
07:14 6000
07:19 6010
07:22 6020

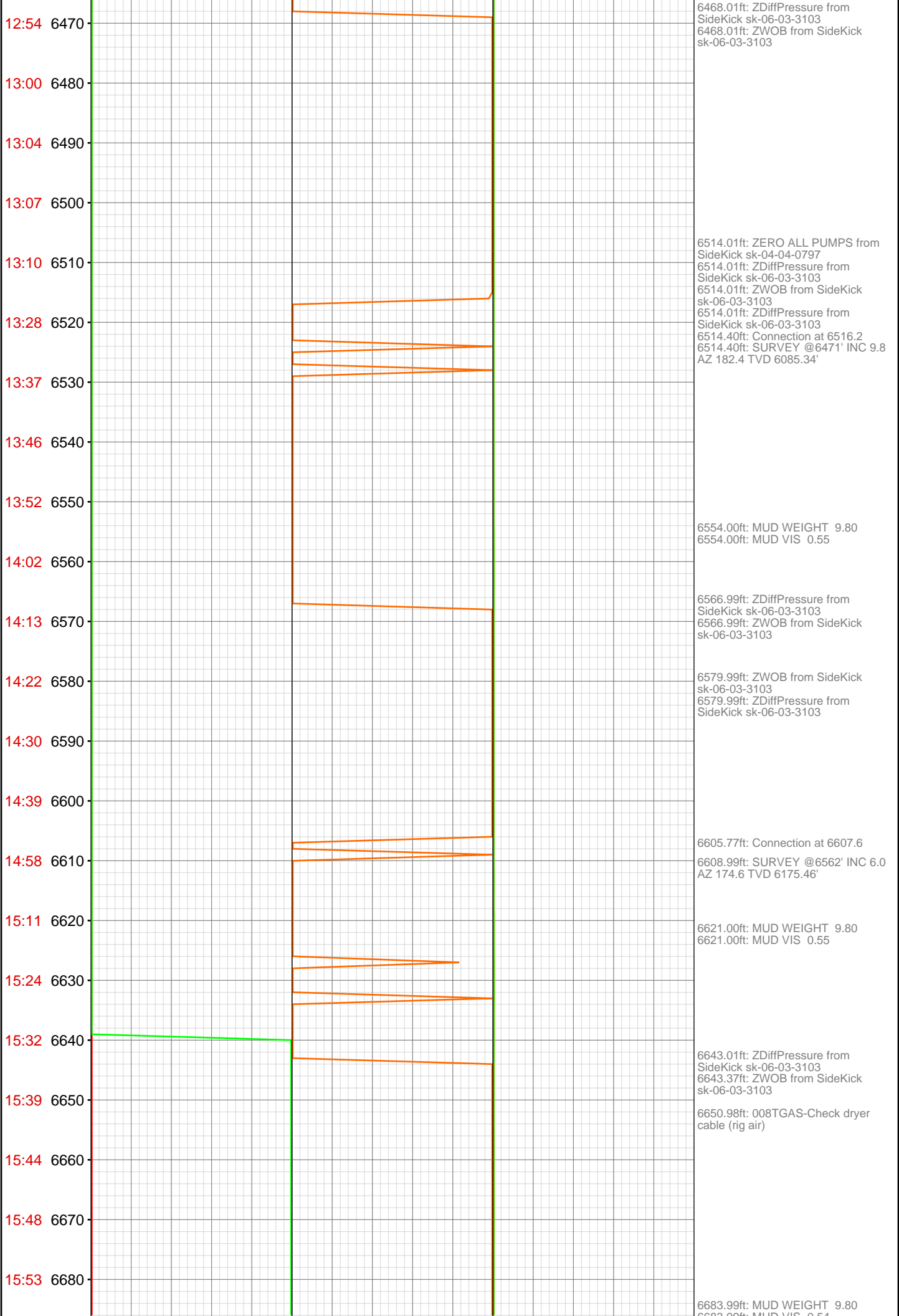
5875.00ft: ZWOB from SideKick
sk-06-03-3103
5875.00ft: ZDiffPressure from
SideKick sk-06-03-3103
5875.00ft: MUD WEIGHT 9.65
5875.00ft: MUD VIS 0.56
5875.46ft: SURVEY @5831' INC 19.6
AZ 181.5 TVD 5469.51' Connection at
5876.6
5883.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

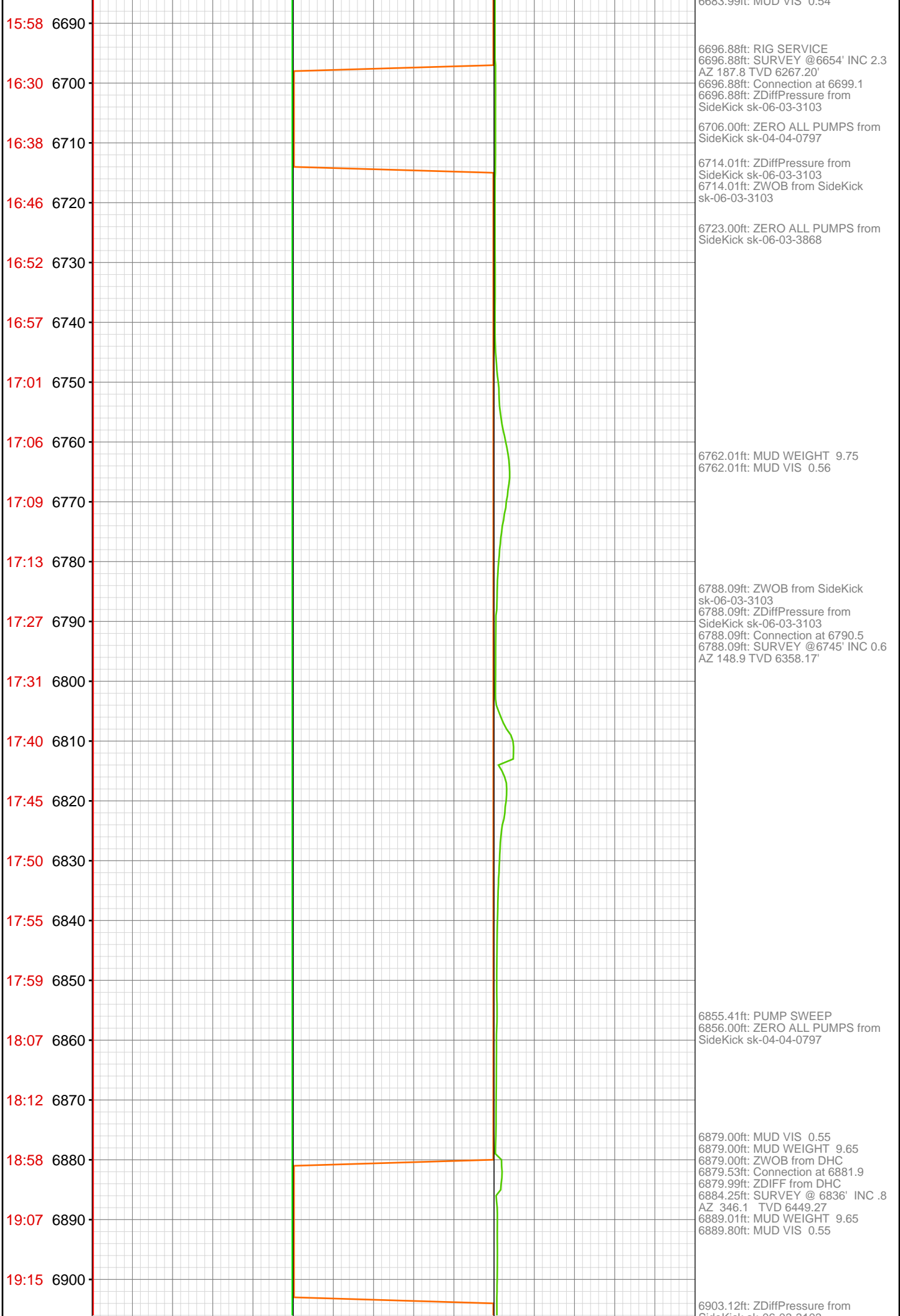
5966.80ft: SURVEY @5923' INC 18.6
AZ 181.4 TVD 5556.65
5966.80ft: Connection at 5968.1

5987.99ft: MUD WEIGHT 9.65
5987.99ft: MUD VIS 0.55









19:24 6910
19:28 6920
19:37 6930
19:45 6940
19:51 6950
19:58 6960
20:05 6970
20:22 6980
20:29 6990
20:35 7000
20:41 7010
20:46 7020
20:53 7030
20:59 7040
21:06 7050
21:13 7060
21:31 7070
21:39 7080
21:48 7090
21:53 7100
21:59 7110
22:05 7120



SideKick sk-06-03-3103
6906.99ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

6922.01ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

6927.00ft: ZDiffPressure from
SideKick sk-06-03-3103

6970.80ft: Connection at 6973.5
6970.80ft: SURVEY @ 6928' INC 0.2
AZ 148.6 TVD 6541.17
6971.26ft: TRANSFERRED 0.80

7043.01ft: MUD VIS 0.51
7043.01ft: MUD WEIGHT 9.65

7062.01ft: Connection at 7064.6
7062.01ft: ZWOB from SideKick
sk-06-03-3103
7062.01ft: ZDiffPressure from
SideKick sk-06-03-3103
7062.01ft: PVT Horn Disabled
7062.01ft: PVT Horn Enabled

7081.99ft: 021TGAS 05121365
SW0.30 HW31.00 - 30 days on
7081.99ft: 008TGAS-Check dryer
cable (rig air)
7083.99ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

7111.09ft: PUMP SWEEP
7114.01ft: MUD VIS 0.52
7114.01ft: MUD WEIGHT 9.65

22:14 7130
22:22 7140
22:28 7150
22:47 7160
22:55 7170
23:10 7180
23:21 7190
23:26 7200
23:36 7210
23:45 7220
23:52 7230
~~00:00 7240~~
Dec 24, 2011
00:21 7250
00:29 7260
00:37 7270
00:53 7280
01:09 7290
01:18 7300
01:25 7310
01:33 7320
01:45 7330
02:08 7340

Blue line segment

Orange line segment

7152.99ft: PVT Horn Disabled
7152.99ft: ZDiffPressure from SideKick sk-06-03-3103
7152.99ft: PVT Horn Enabled
7153.22ft: Connection at 7156.1
7156.59ft: SURVEY @ 7111' INC .4
AZ 166.4 TVD 6724.16

7162.99ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

7171.98ft: PUMP SWEEP

7177.00ft: ZDiffPressure from SideKick sk-06-03-3103

7187.99ft: MUD VIS 0.51
7187.99ft: MUD WEIGHT 9.65

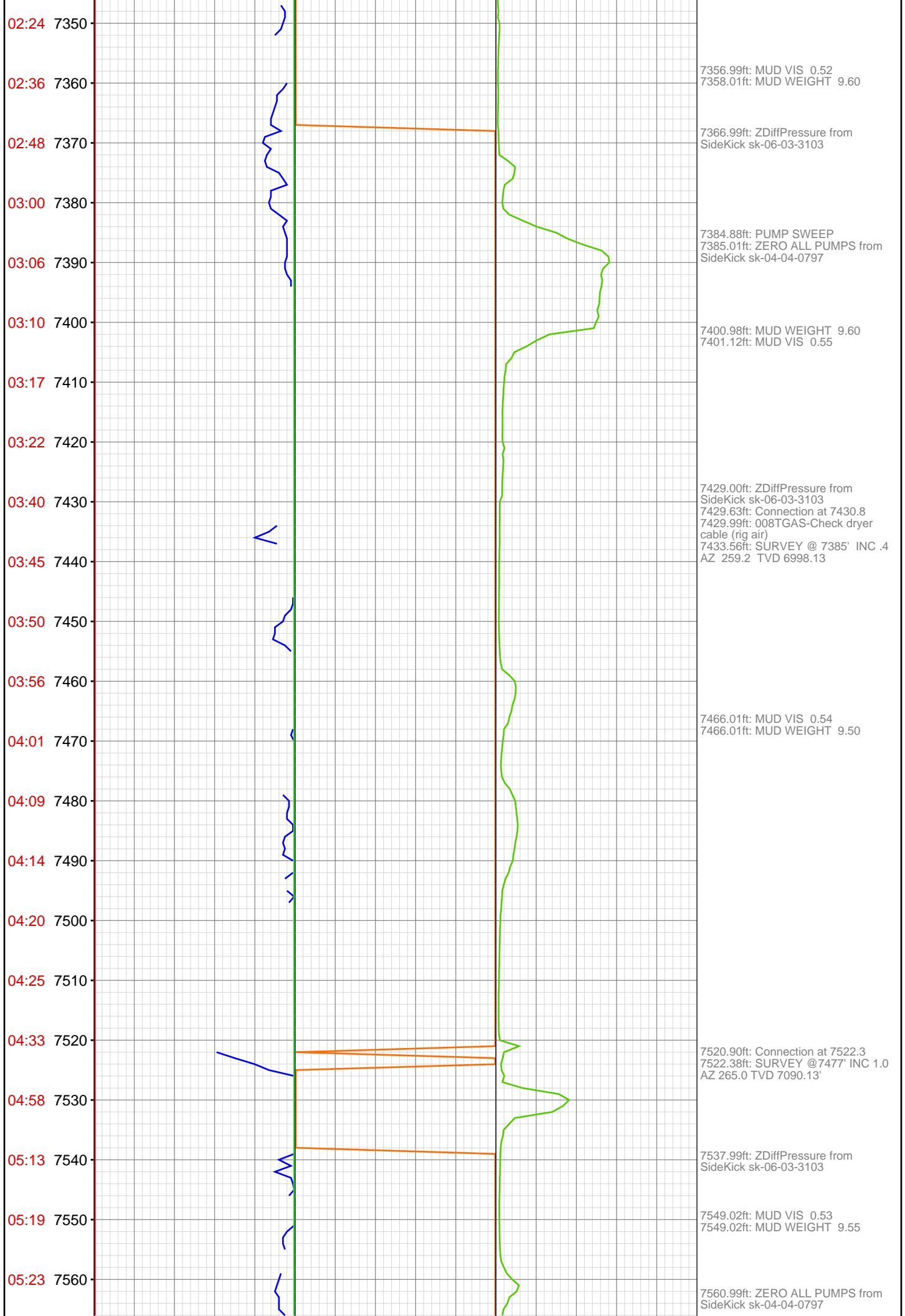
7245.01ft: ZWOB from SideKick sk-06-03-3103
7245.01ft: PVT Horn Disabled
7245.01ft: ZDiffPressure from SideKick sk-06-03-3103
7245.96ft: Connection at 7247.6
SURVEY @ 7202' INC .7 Az 205.5
tvd 6815.16
7246.00ft: PVT Horn Enabled
7254.99ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

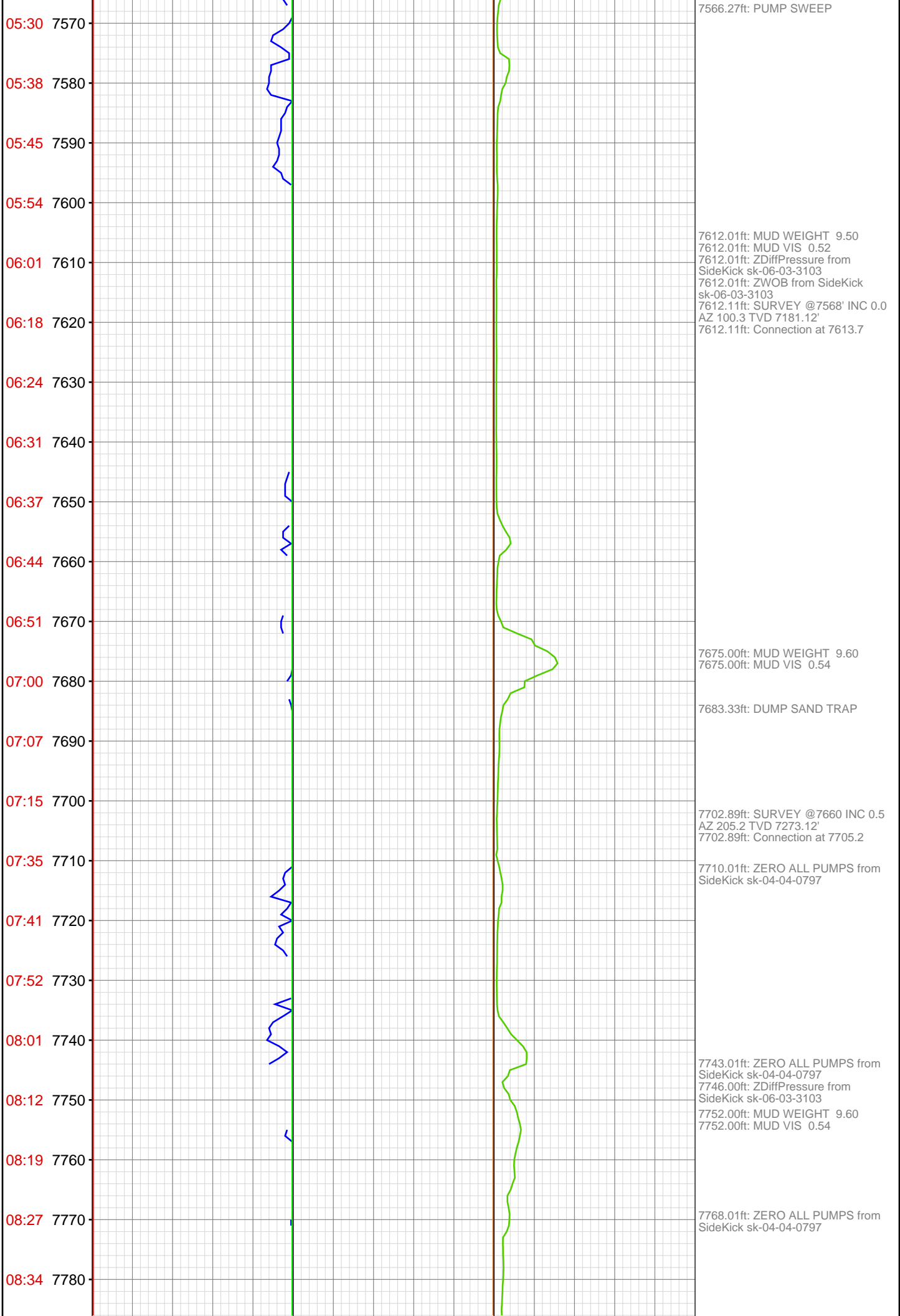
7264.01ft: MUD WEIGHT 9.65
7264.21ft: MUD VIS 0.55

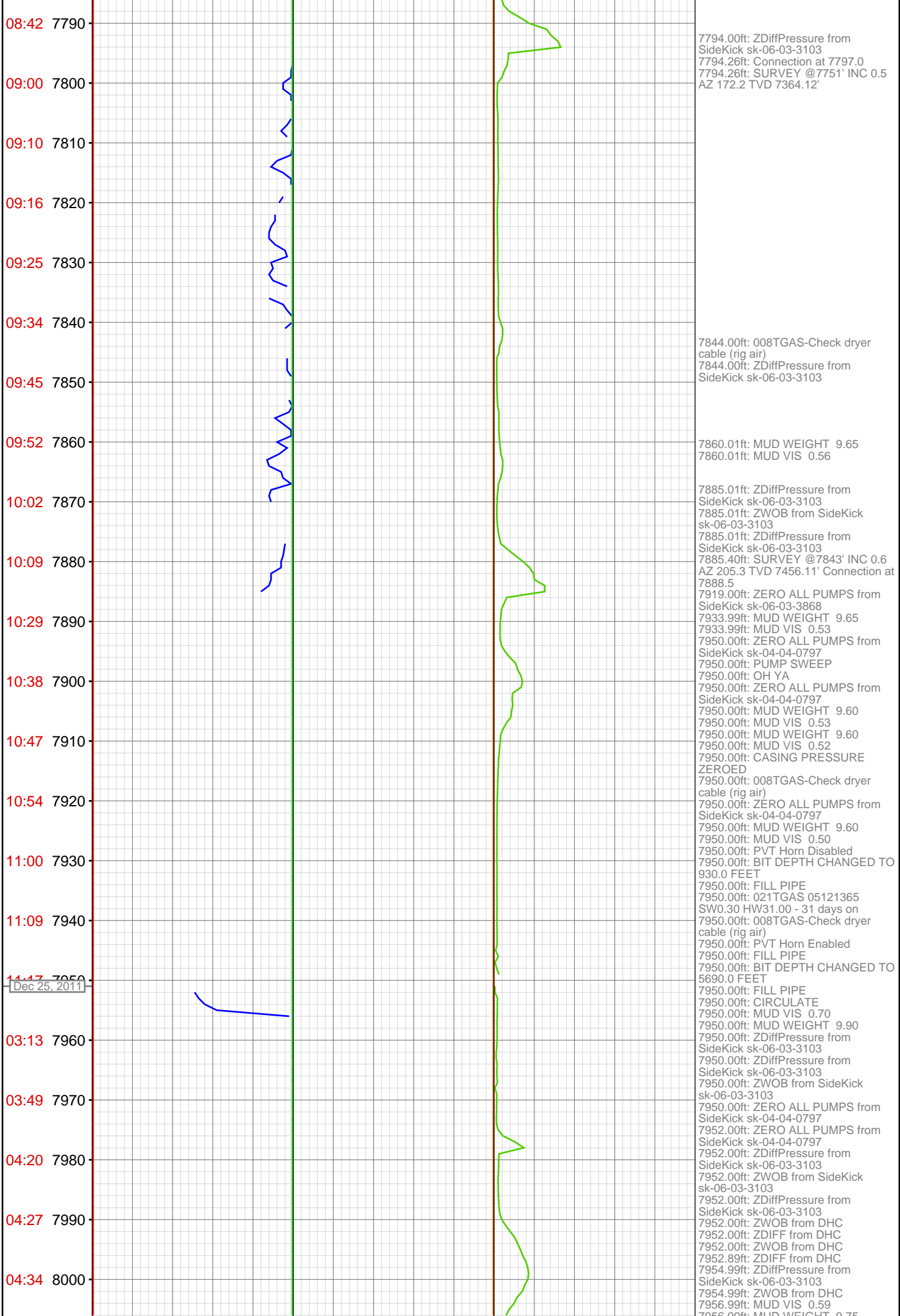
7274.02ft: ZDiffPressure from SideKick sk-06-03-3103
7277.03ft: PUMP SWEEP
7277.99ft: ZDiffPressure from SideKick sk-06-03-3103

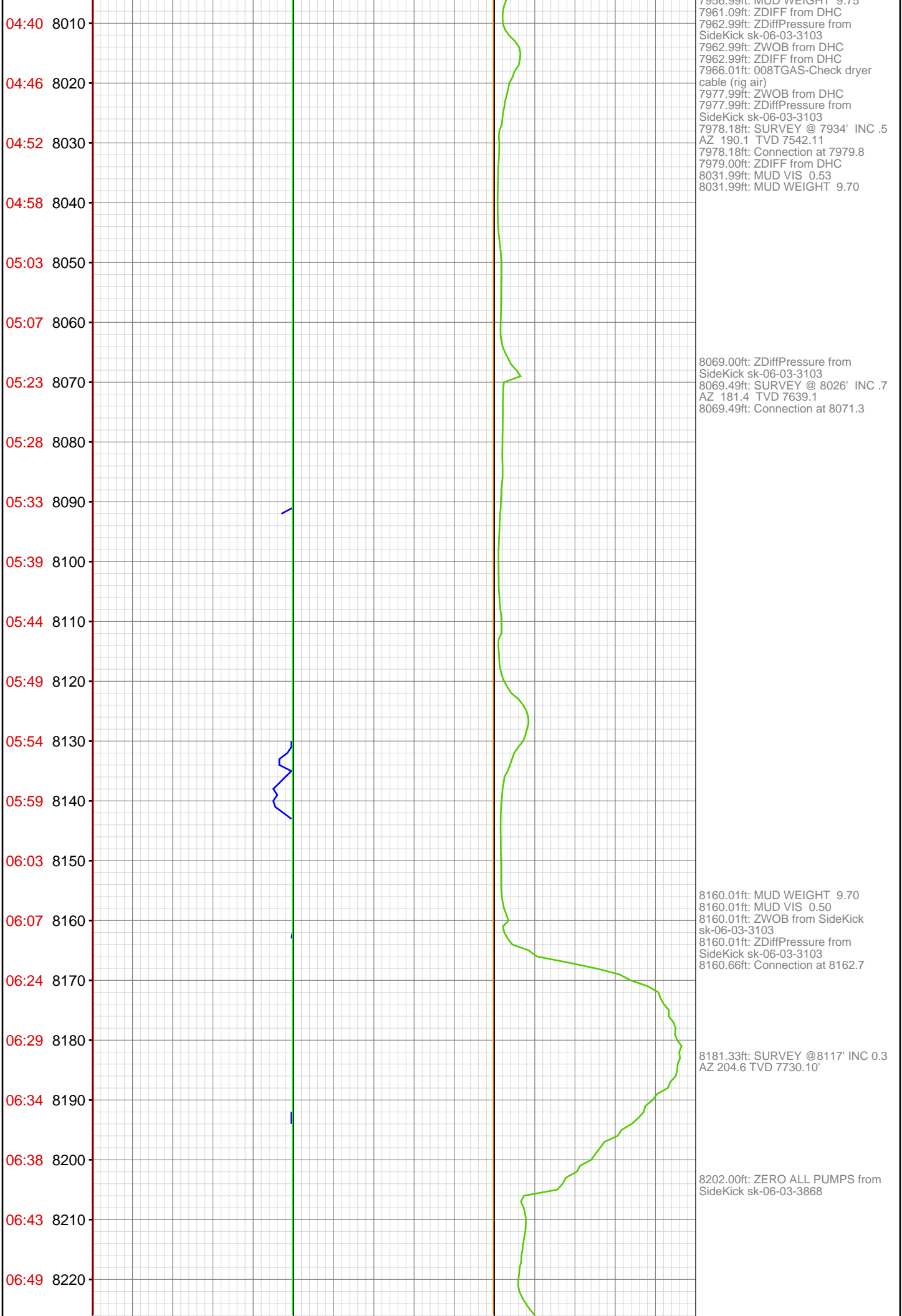
7289.99ft: ZDiffPressure from SideKick sk-06-03-3103

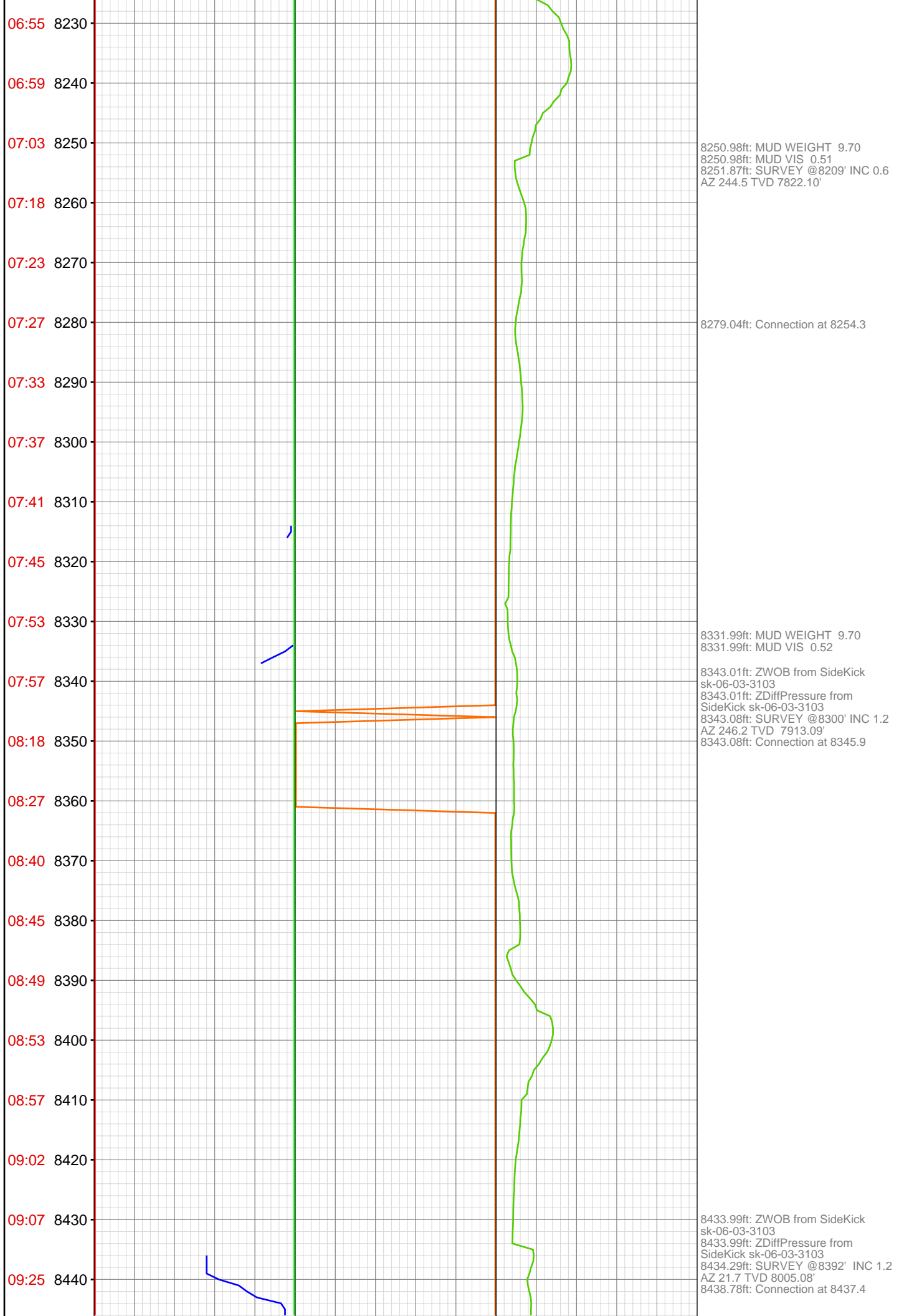
7337.11ft: Connection at 7339.2
7337.11ft: SURVEY @ 7294' INC 1.4
AZ 221.2 TVD 6907.14



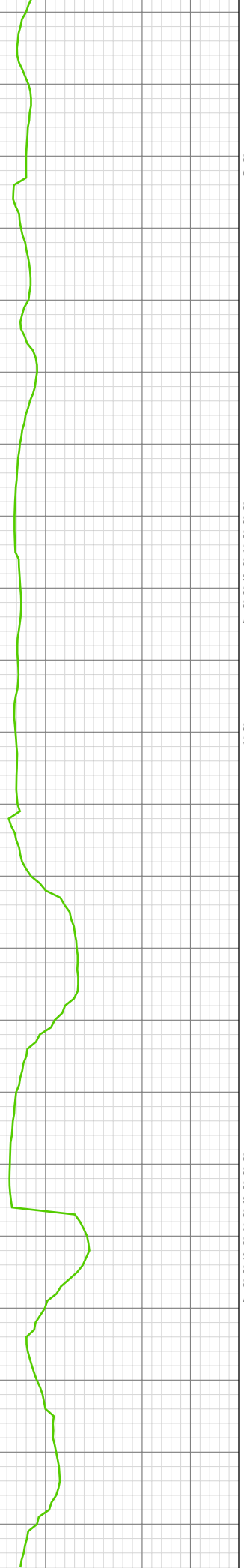
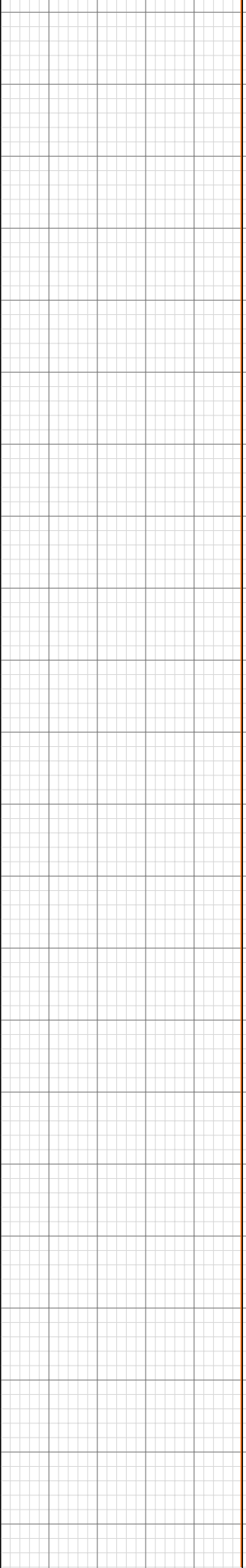
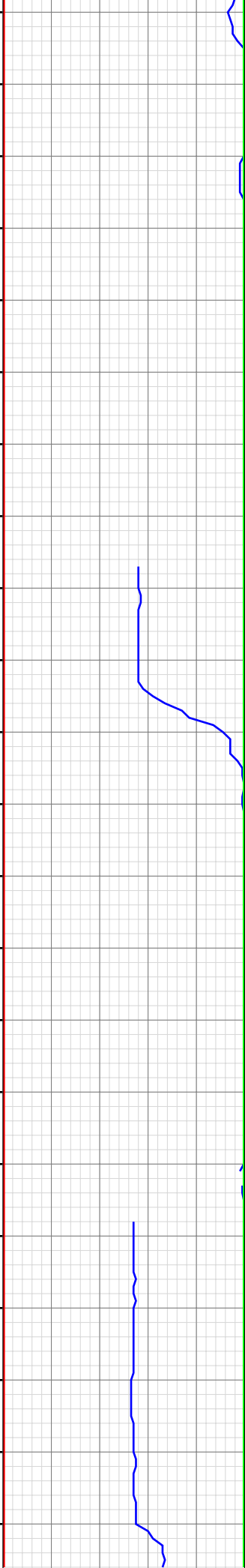








09:30 8450
09:35 8460
09:39 8470
09:44 8480
09:49 8490
09:54 8500
10:00 8510
10:04 8520
10:20 8530
10:25 8540
10:29 8550
10:34 8560
10:39 8570
10:44 8580
10:49 8590
10:54 8600
10:59 8610
11:14 8620
11:19 8630
11:25 8640
11:29 8650
11:34 8660

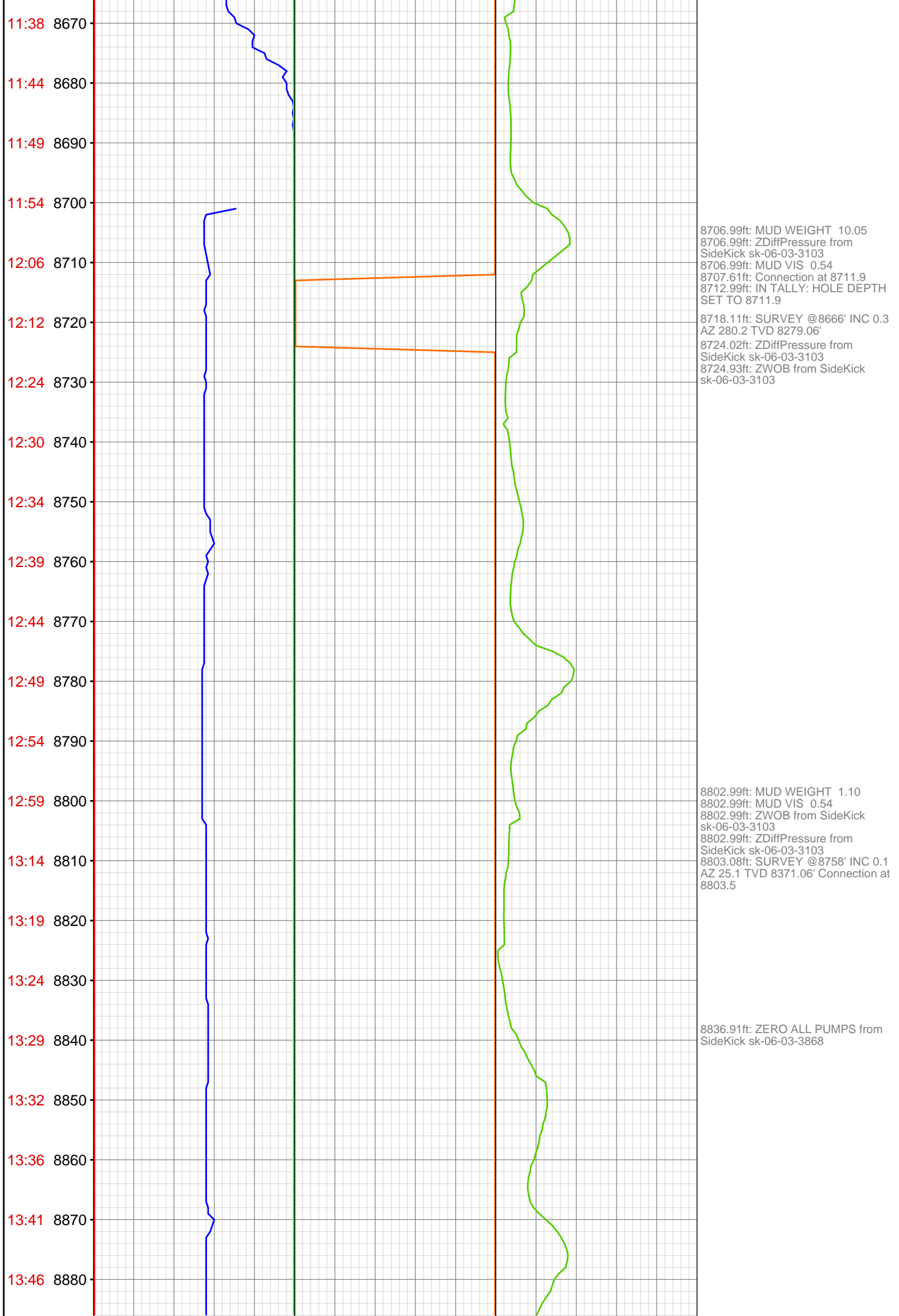


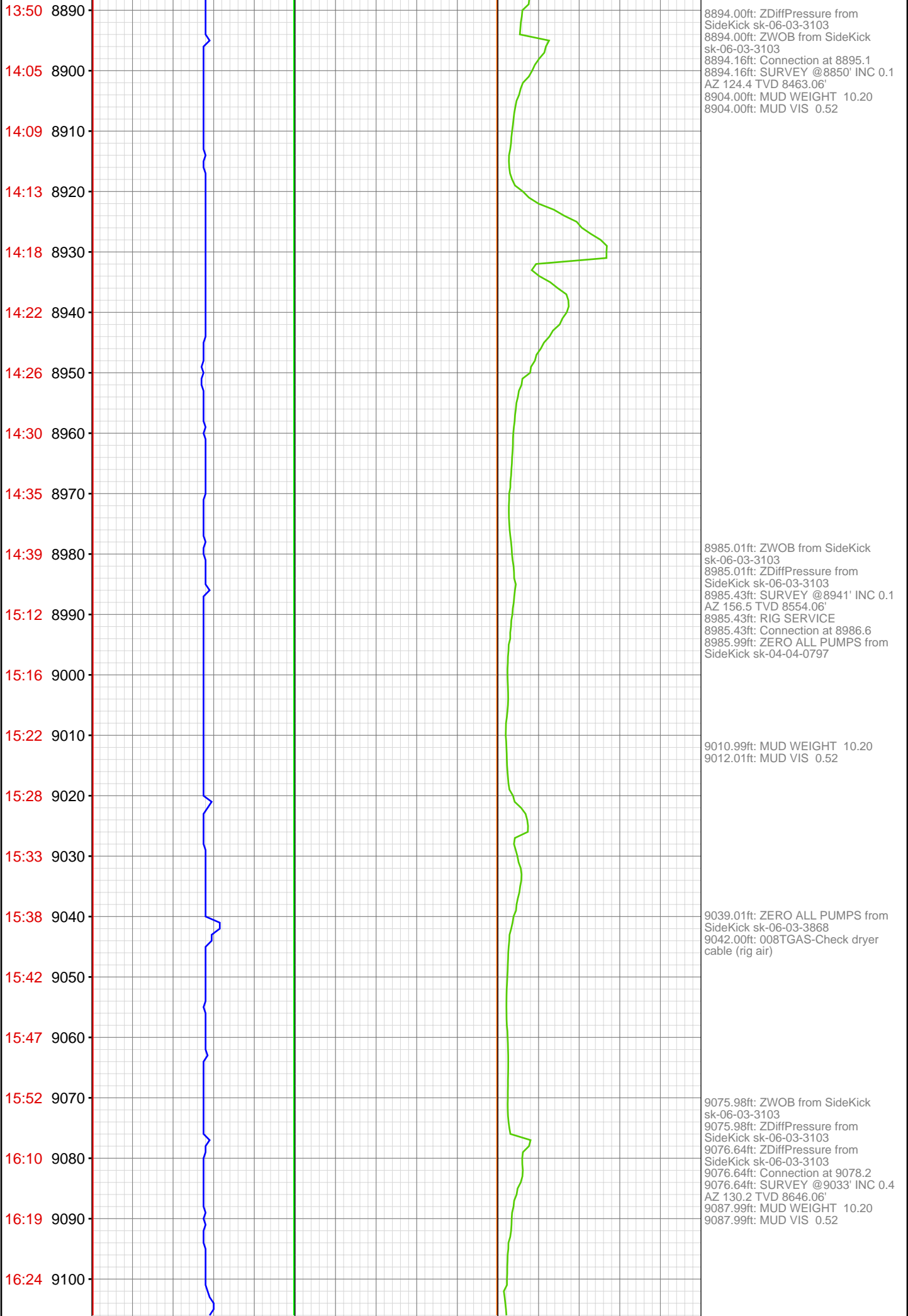
8469.00ft: 008TGAS-Check dryer
cable (rig air)

8519.00ft: MUD WEIGHT 9.90
8519.46ft: MUD VIS 0.50
8525.00ft: ZDiffPressure from
SideKick sk-06-03-3103
8525.00ft: ZWOB from SideKick
sk-06-03-3103
8525.36ft: Connection at 8528.9
8525.36ft: SURVEY @8483' INC 0.6
AZ 4.3 TVD 8096.07'

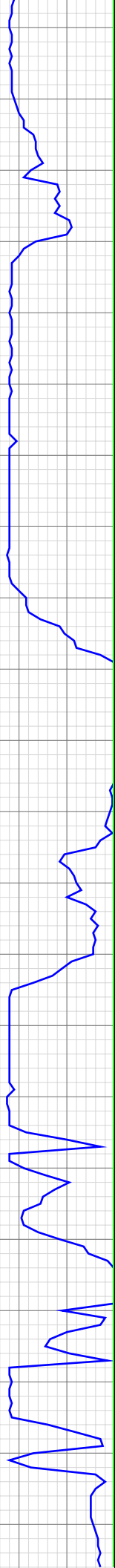
8548.00ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

8610.99ft: MUD WEIGHT 9.95
8610.99ft: MUD VIS 0.51
8616.01ft: ZWOB from SideKick
sk-06-03-3103
8616.01ft: ZDiffPressure from
SideKick sk-06-03-3103
8616.01ft: ZWOB from SideKick
sk-06-03-3103
8616.24ft: Connection at 8620.4
8616.24ft: SURVEY @8575' INC 0.7
AZ 309.2 TVD 8188.06'





16:29 9110
16:35 9120
16:41 9130
16:46 9140
16:50 9150
16:55 9160
17:11 9170
17:17 9180
17:22 9190
17:27 9200
17:33 9210
17:37 9220
17:42 9230
17:46 9240
17:49 9250
18:05 9260
18:27 9270
18:46 9280
19:00 9290
19:19 9300
19:36 9310
19:48 9320



9167.00ft: ZDiffPressure from
SideKick sk-06-03-3103
9167.75ft: SURVEY @ 9124' INC .4
AZ 185 TVD 8737.05
9167.75ft: Connection at 9169.7

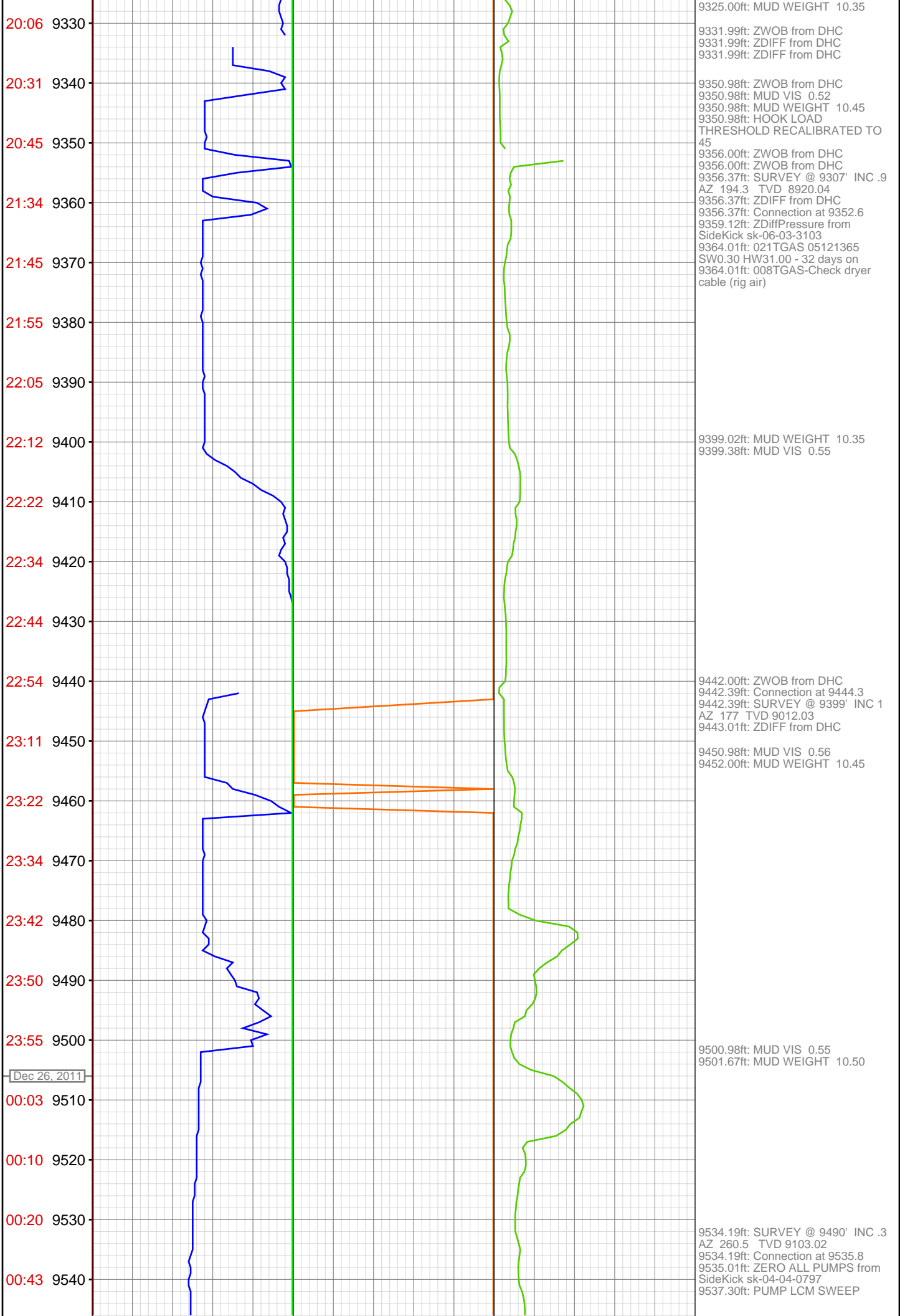
9185.01ft: MUD WEIGHT 10.30
9185.01ft: MUD VIS 0.54

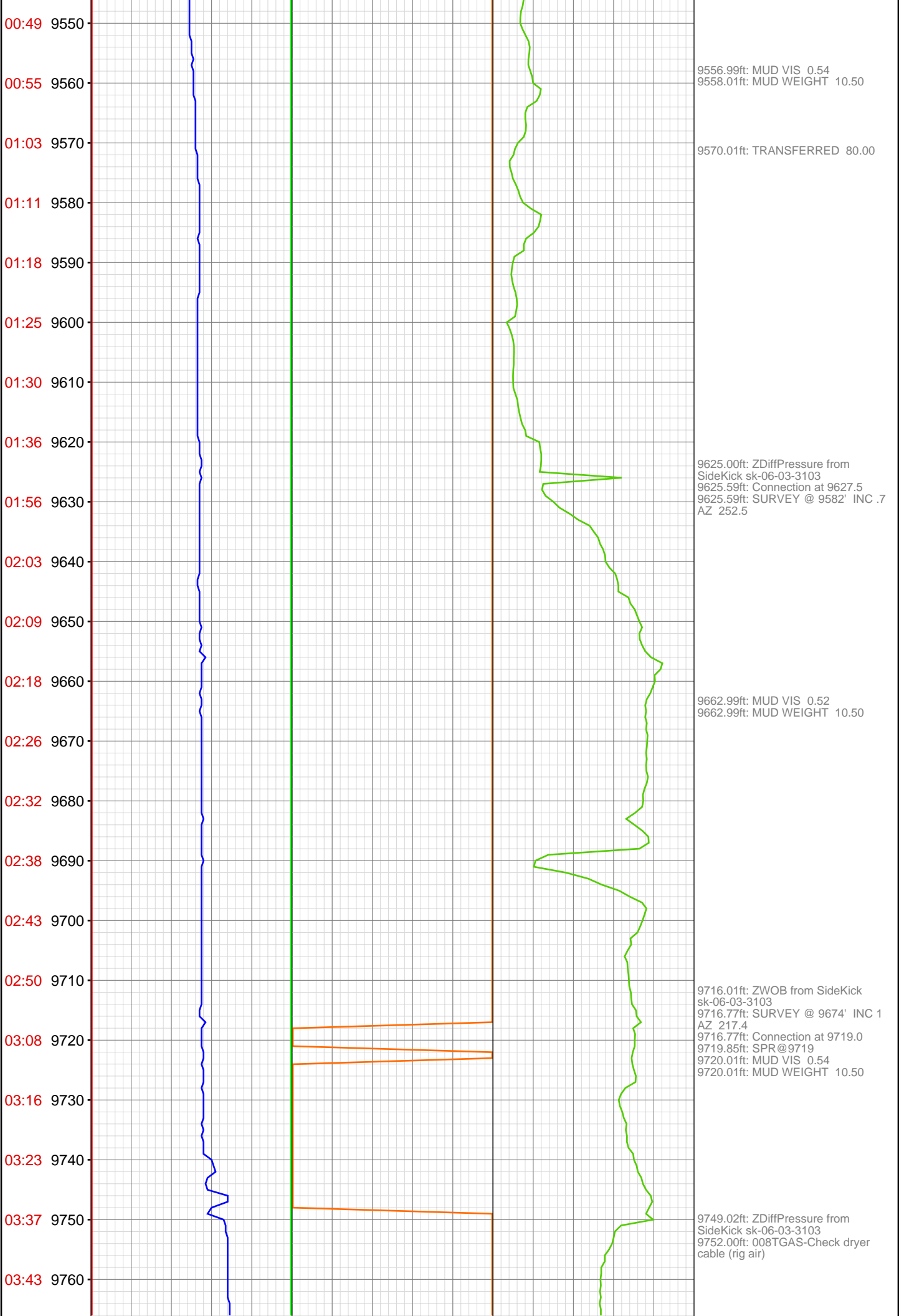
9258.01ft: ZDiffPressure from
SideKick sk-06-03-3103
9258.56ft: Connection at 9261.2
9258.56ft: SURVEY @ 9216' INC .6
AZ 183.2 8829.05
9262.01ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
9263.52ft: PUMP SWEEP
9266.01ft: ZDiffPressure from
SideKick sk-06-03-3103
9266.01ft: HGAS_021: LOCATION1
High LEL Alarm
9266.01ft: HGAS_004: Horn Muted
9267.00ft: HGAS_004: Horn Muted
9267.91ft: HGAS_024: LOCATION2
High LEL Alarm
9268.18ft: TEST LEL
9271.00ft: ZDiffPressure from
SideKick sk-06-03-3103

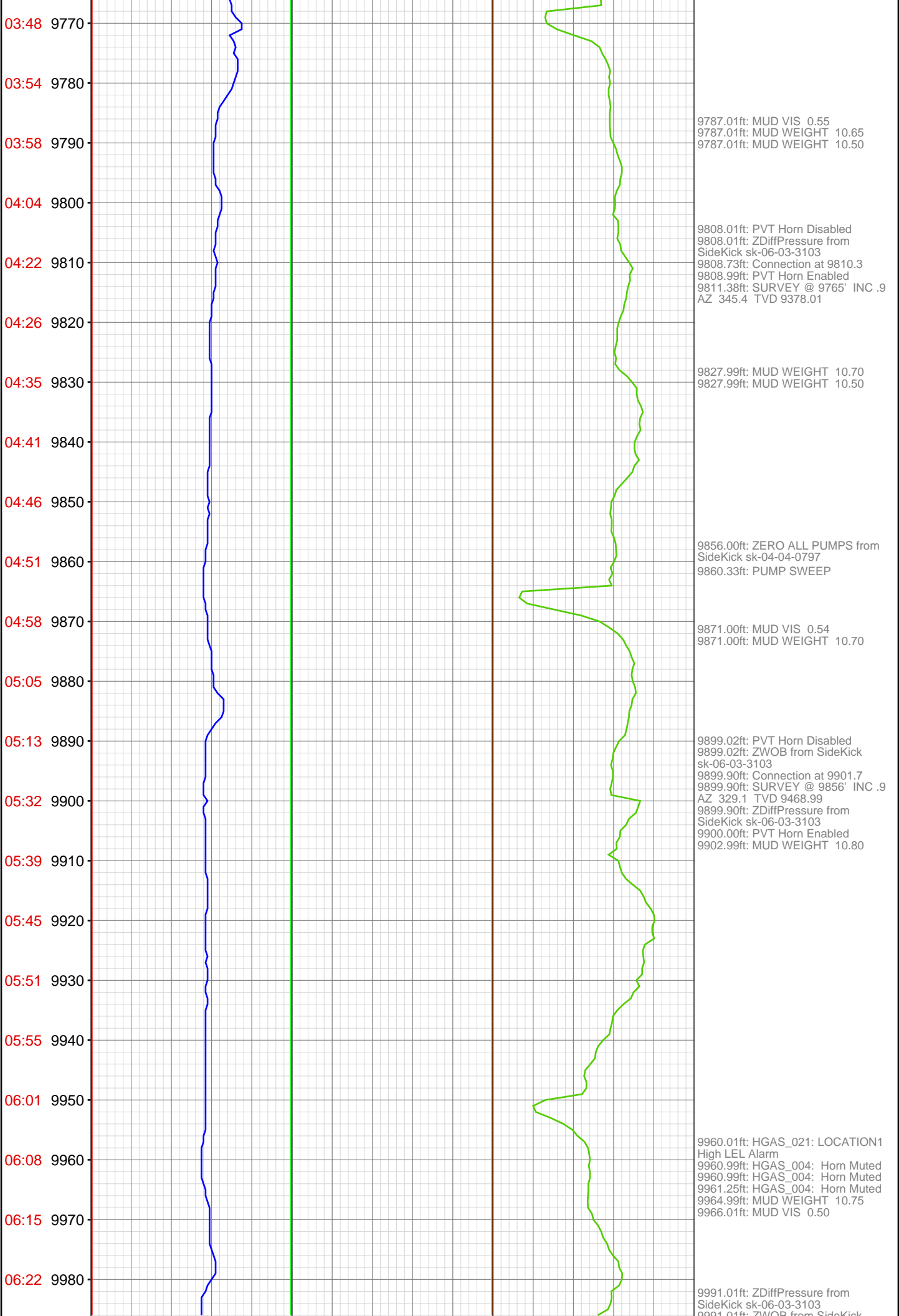
9293.01ft: MUD VIS 0.51
9293.01ft: MUD WEIGHT 10.20
9296.00ft: ZDiffPressure from
SideKick sk-06-03-3103
9296.00ft: ZWOB from SideKick
sk-06-03-3103
9296.00ft: ZDiffPressure from
SideKick sk-06-03-3103

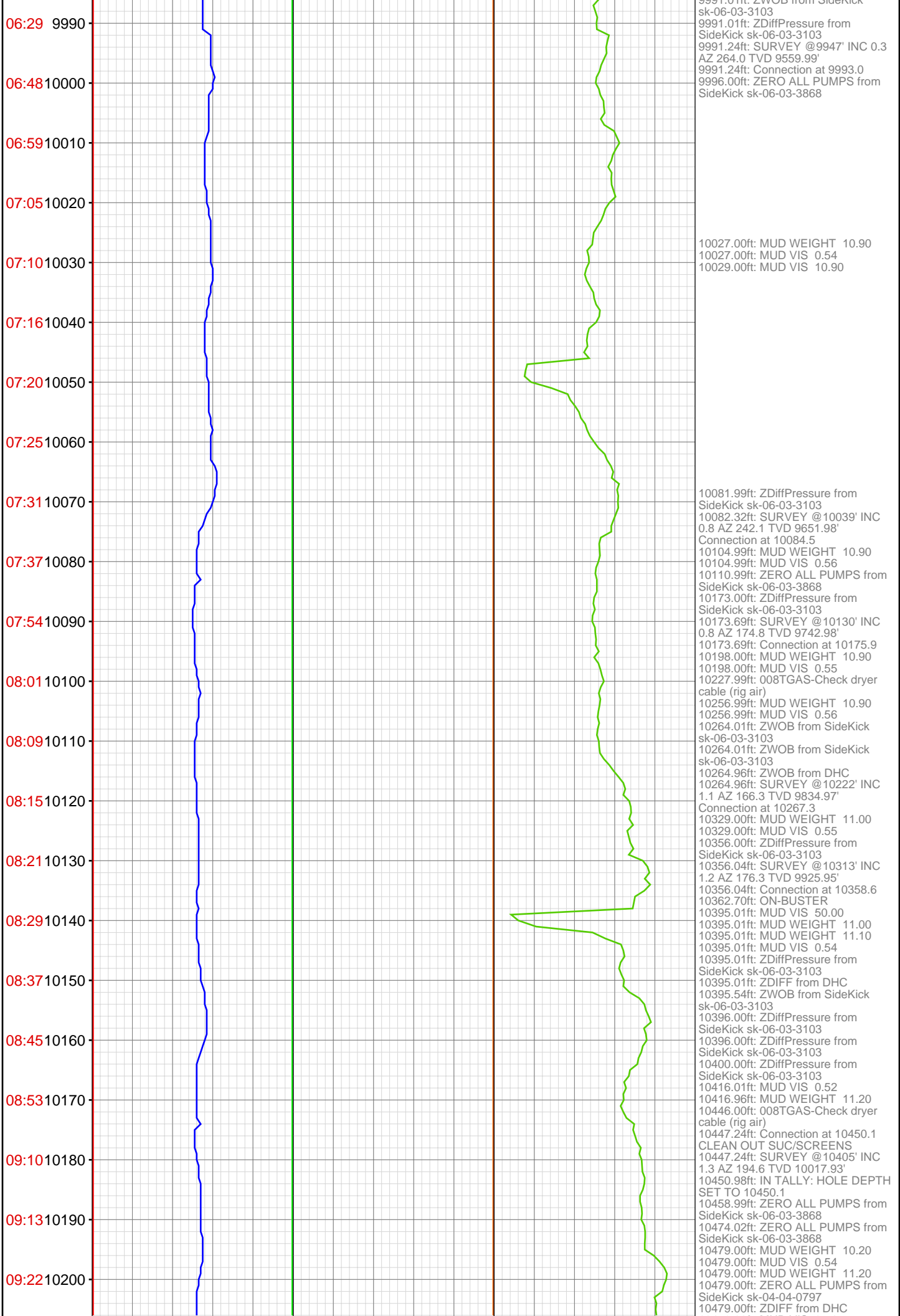
9310.99ft: MUD VIS 0.53
9310.99ft: MUD WEIGHT 10.35

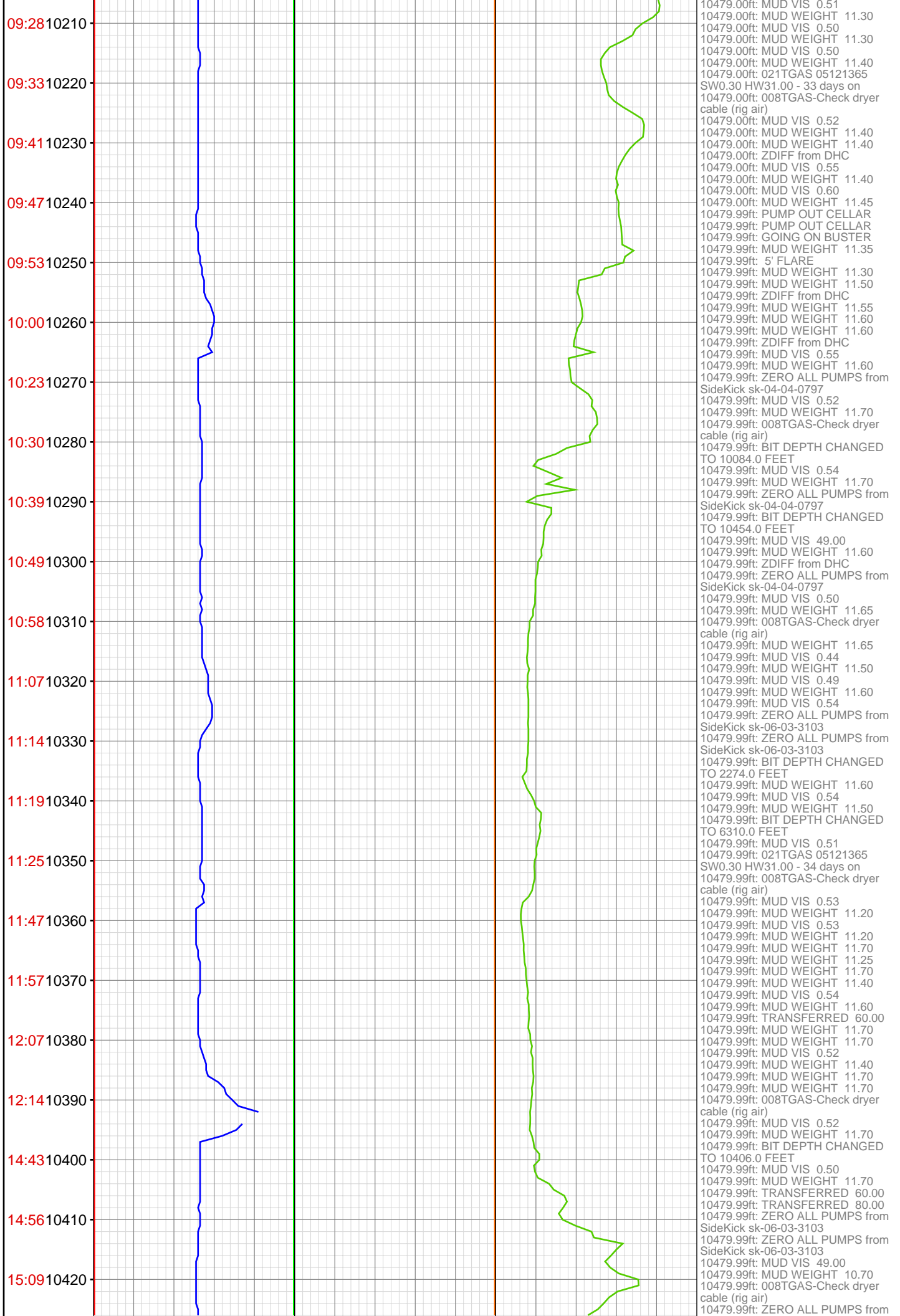
9325.00ft: MUD VIS 0.52











15:22 10430
15:33 10440
15:55 10450
16:06 10460
16:18 10470
10480
10490



SideKick sk-06-03-3103
10479.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-3103
10479.99ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10479.99ft: MUD WEIGHT 11.60
10479.99ft: MUD VIS 0.55
10479.99ft: MUD VIS 0.47
10479.99ft: MUD WEIGHT 11.50
10479.99ft: MUD VIS 0.47
10479.99ft: MUD WEIGHT 11.50
10479.99ft: 008TGAS-Check dryer
cable (rig air)
10480.25ft: OFF BUSTER
10480.25ft: FLOW CHECK
10480.25ft: PUMP OUT CELLAR
10480.25ft: 100% TIED OFF DC,
10480.25ft: ZDIFF from DHC
10480.25ft: MUD VIS 0.48
10480.25ft: PUMP OUT CELLAR
10480.25ft: 008TGAS-Check dryer
cable (rig air)
10480.25ft: TRAN-MUD TRANS-MUD
10480.25ft: MUD WEIGHT 11.60
10480.25ft: CALL BACK
10480.25ft: MUD VIS 0.53
10480.25ft: CIRCULATE
10480.25ft: INSTALL ROTATING
HEAD
10480.25ft: FILL PIPE
10480.25ft: MUD WEIGHT 11.50
10480.25ft: CIRCULATE
10480.25ft: FILL PIPE
10480.25ft: CIRCULATE
10480.25ft: MUD WEIGHT 11.70
10480.25ft: FILL PIPE
10480.25ft: CIRCULATE
10480.25ft: PUMP OUT CELLAR