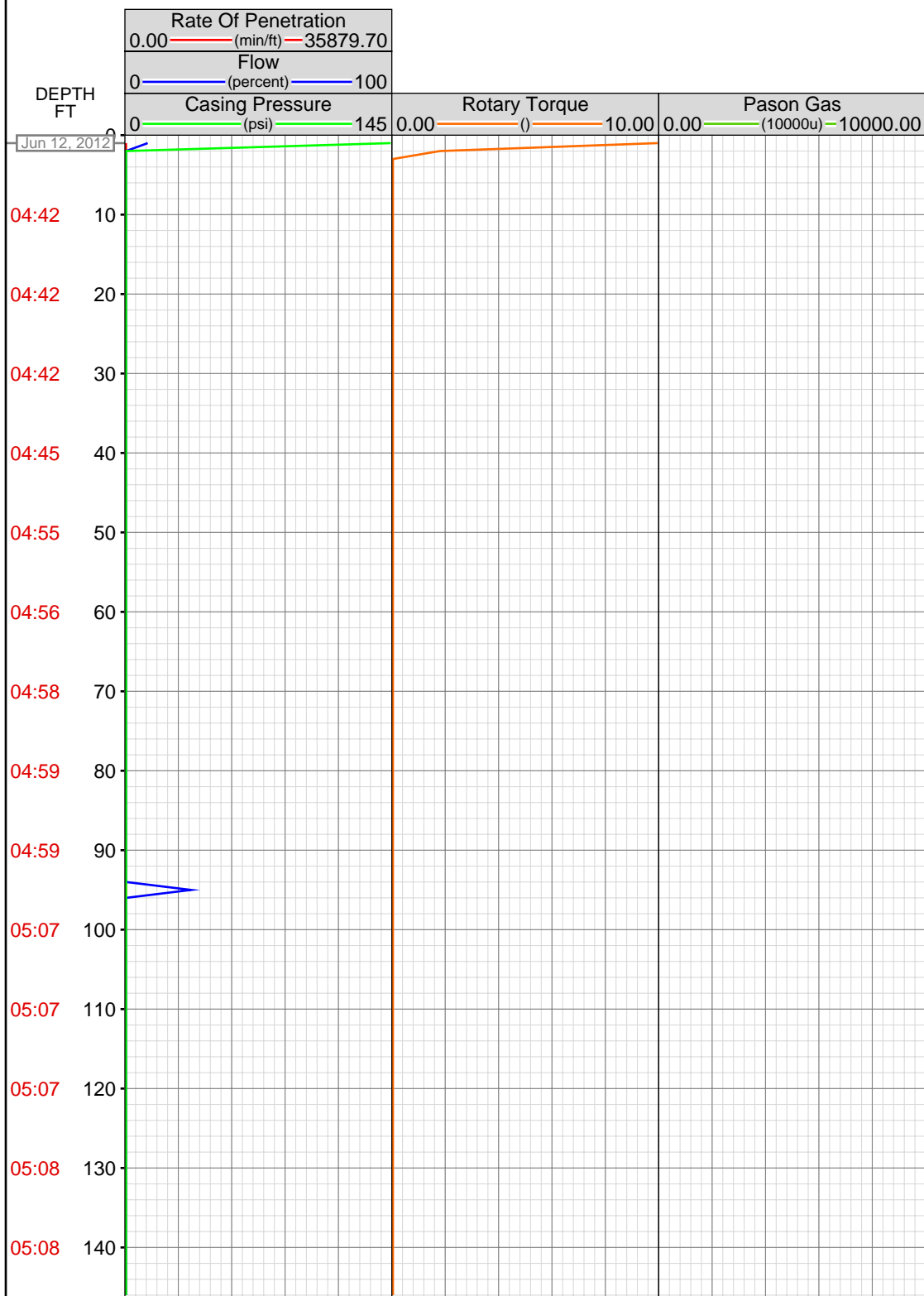


# DataHub EDR Log

Thu Jun 21, 2012 10:24:27  
Well Dossier 1339436932  
Marilyn Tucker

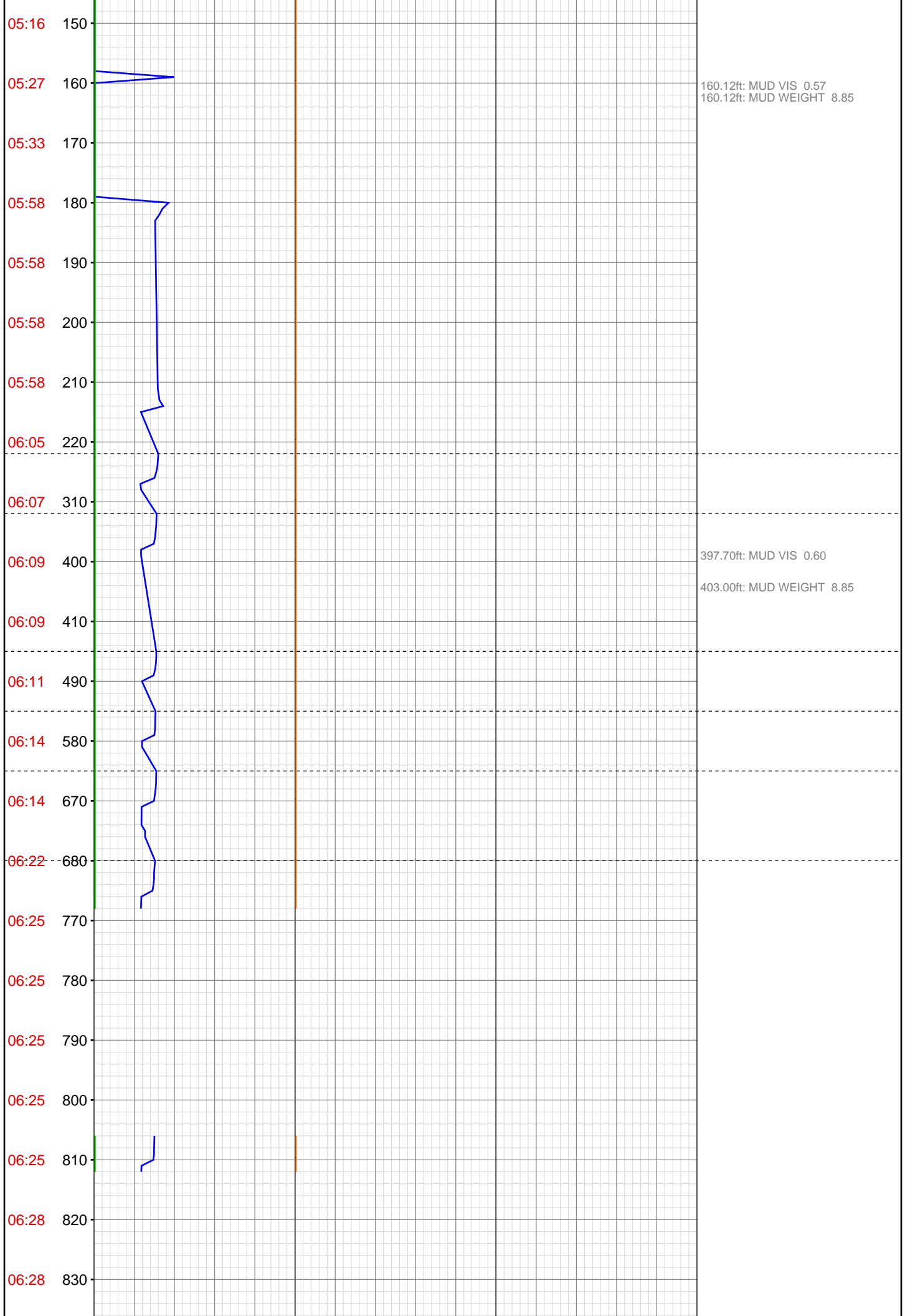
**OPERATOR:** EnCana Oil & Gas (USA), Inc.  
**WELL:** NP EF 14A-27 P27 595  
**FIELD:**  
**LOCATION:**  
**COUNTRY:** USA  
**RIG:** Pat-UTI 303

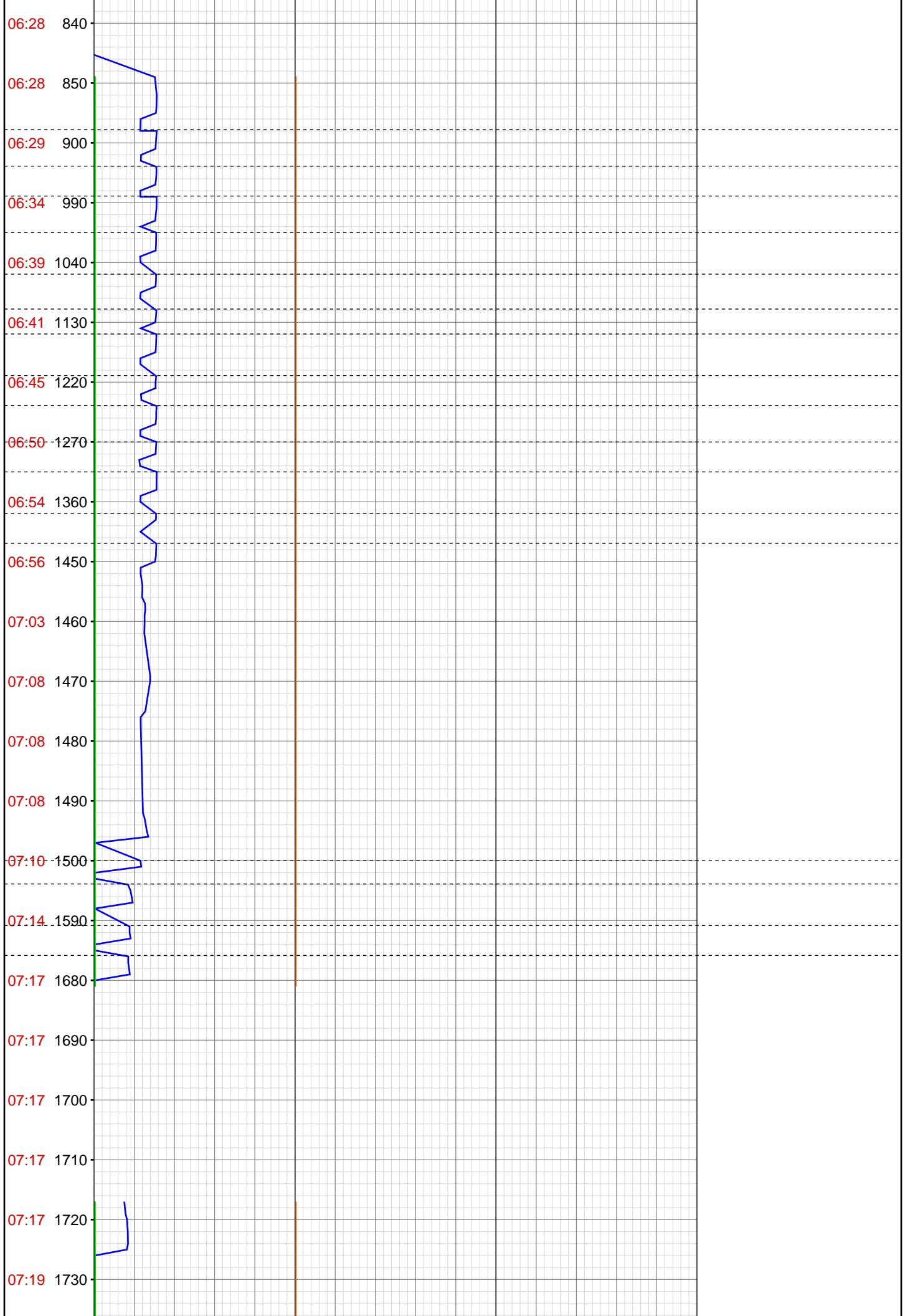
**CONTRACTOR:** Patterson-UTI Drilling Company  
**UNIQUE WELL ID:** 05 045 20291 00  
**SPUD DATE:** Jun 12, 2012 09:30  
**RELEASE DATE:** Jun 18, 2012 10:00

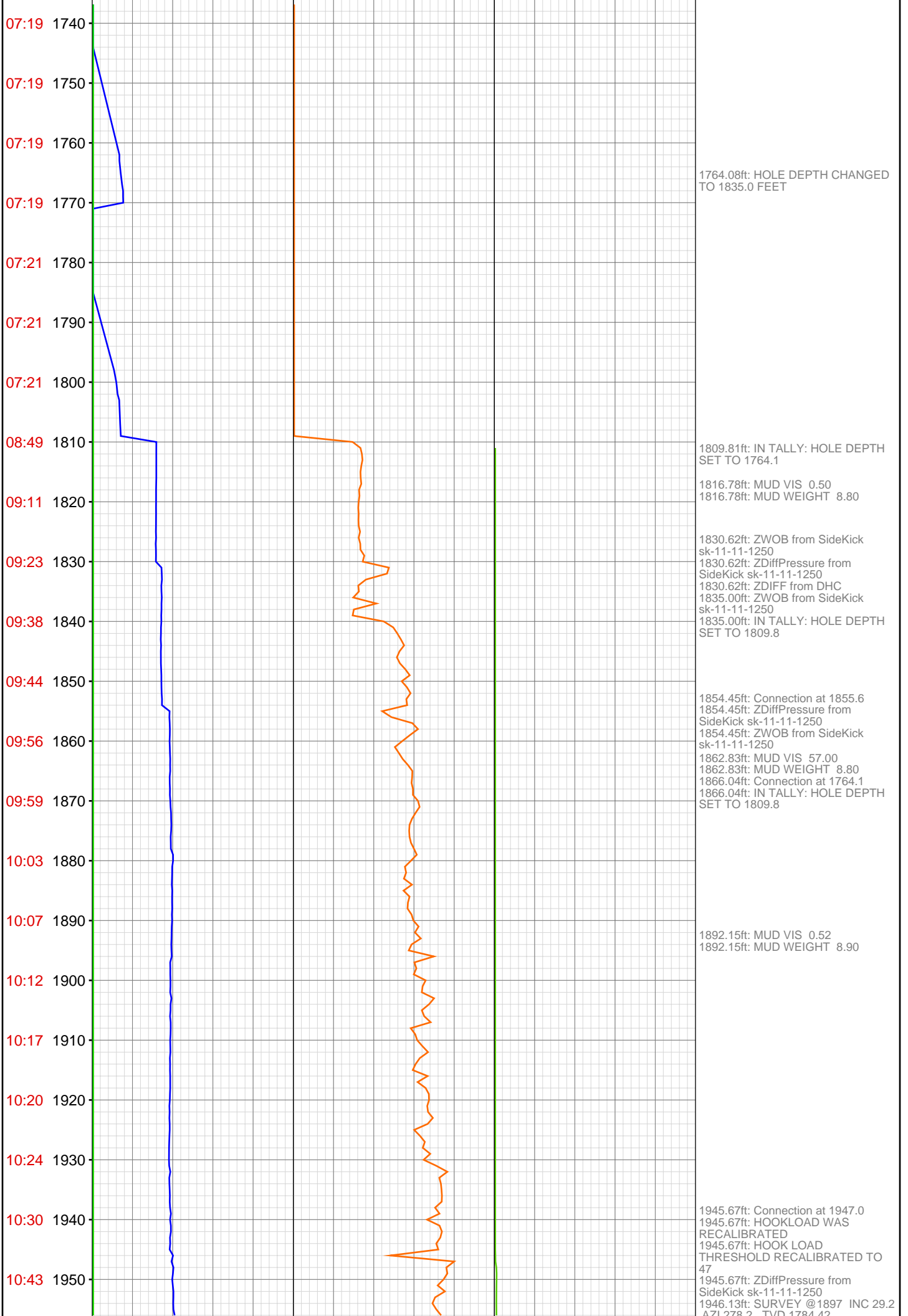


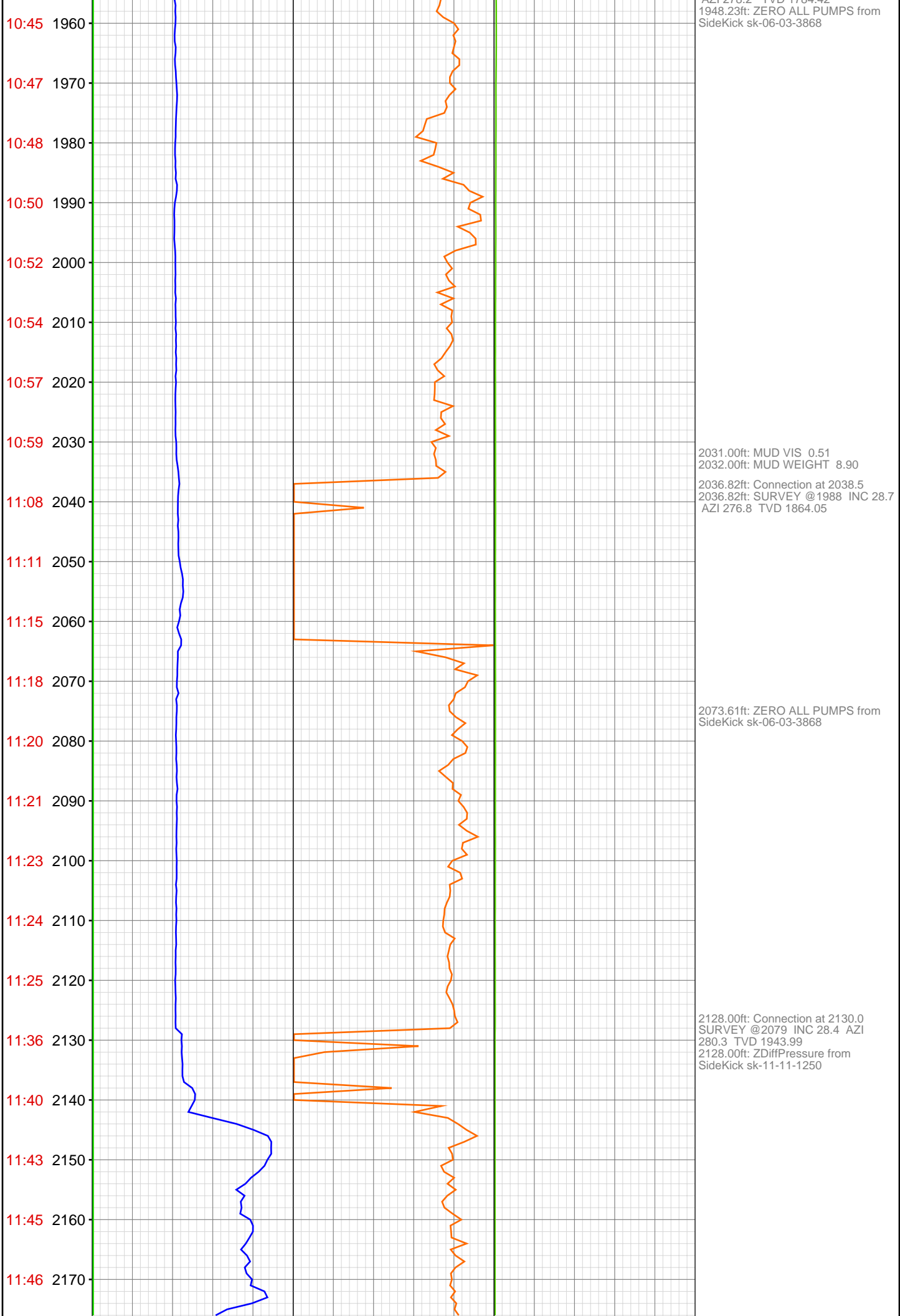
## MEMOS

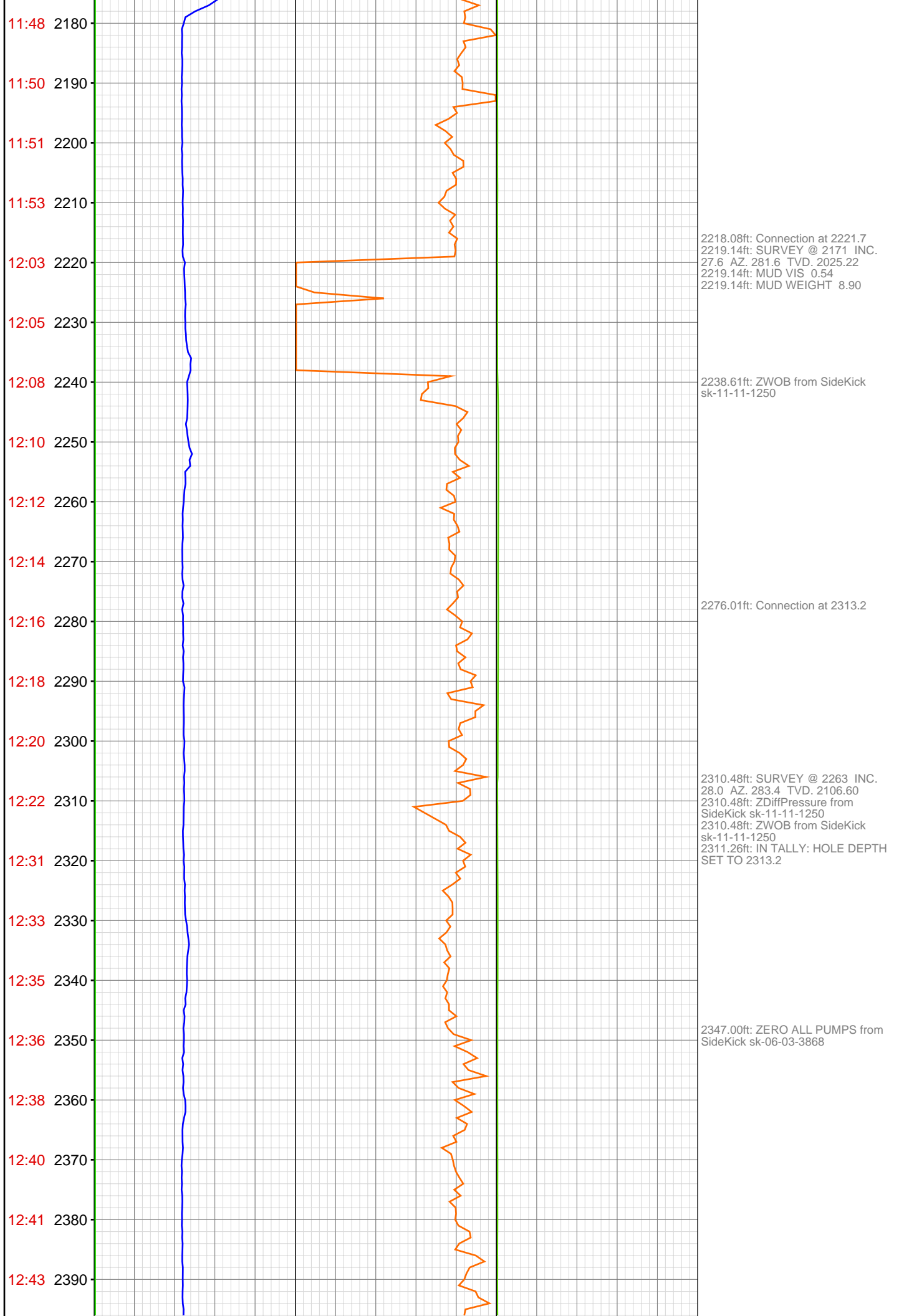
0.00ft: MUD VIS 0.74  
0.00ft: MUD WEIGHT 8.85  
1.37ft: MUD VIS 0.60  
1.37ft: MUD WEIGHT 8.80











12:45 2400  
12:54 2410  
12:56 2420  
12:58 2430  
12:59 2440  
13:01 2450  
13:02 2460  
13:04 2470  
13:05 2480  
13:06 2490  
13:17 2500  
13:20 2510  
13:23 2520  
13:24 2530  
13:26 2540  
13:27 2550  
13:29 2560  
13:30 2570  
13:32 2580  
13:40 2590  
13:42 2600  
13:44 2610

2403.32ft: Connection at 2404.8  
2403.32ft: ZWOB from SideKick sk-11-11-1250  
2403.32ft: ZDiffPressure from SideKick sk-11-11-1250  
2403.79ft: SURVEY @ 2354 INC. 28.0 AZ. 282.5 TVD. 2186.95

2424.00ft: MUD VIS 0.55  
2424.46ft: MUD WEIGHT 8.90

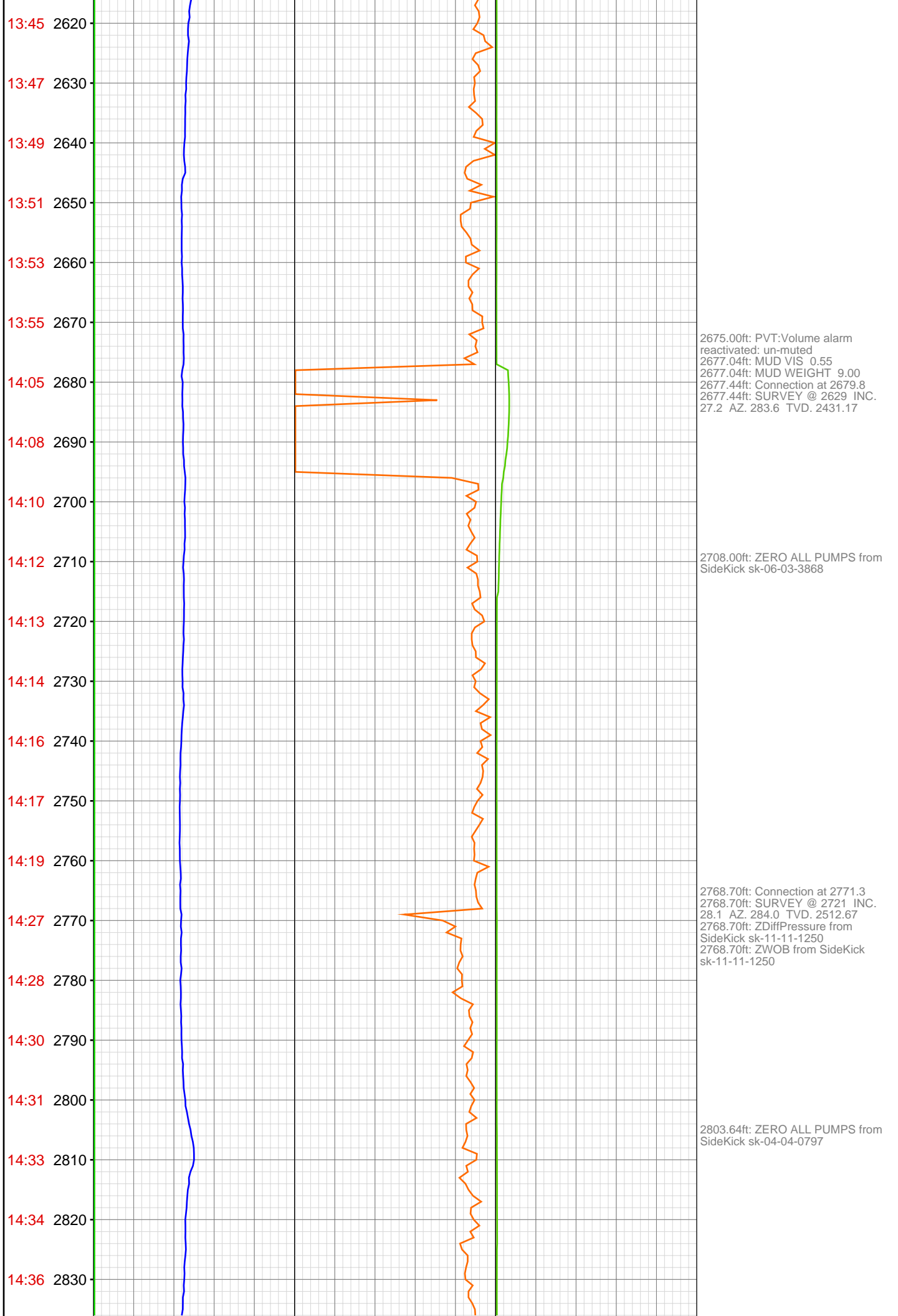
2441.00ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

2494.50ft: Connection at 2496.4  
2494.50ft: SURVEY @ 2446 INC. 26.7 AZ. 281.7 TVD. 2268.67

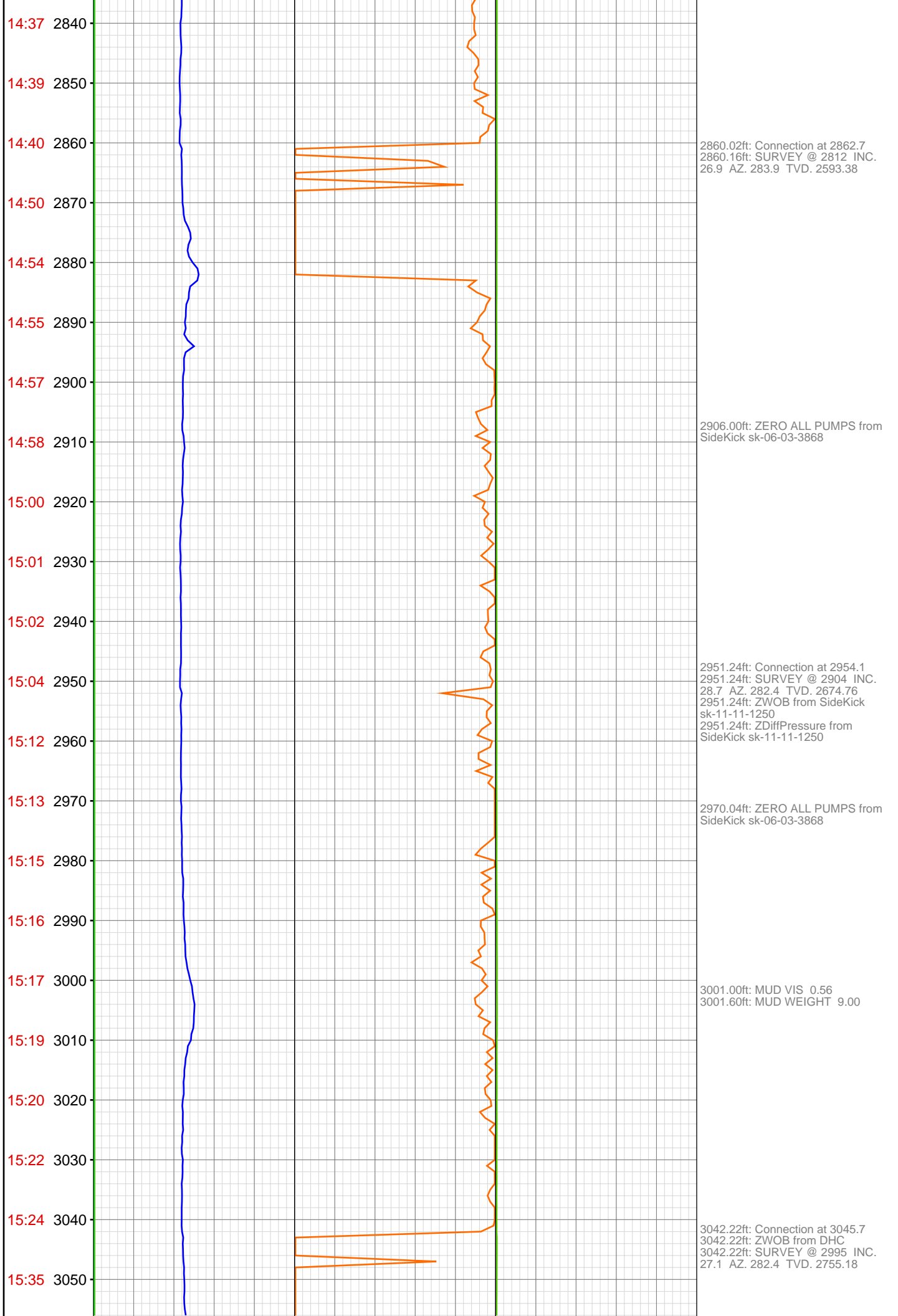
2533.00ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

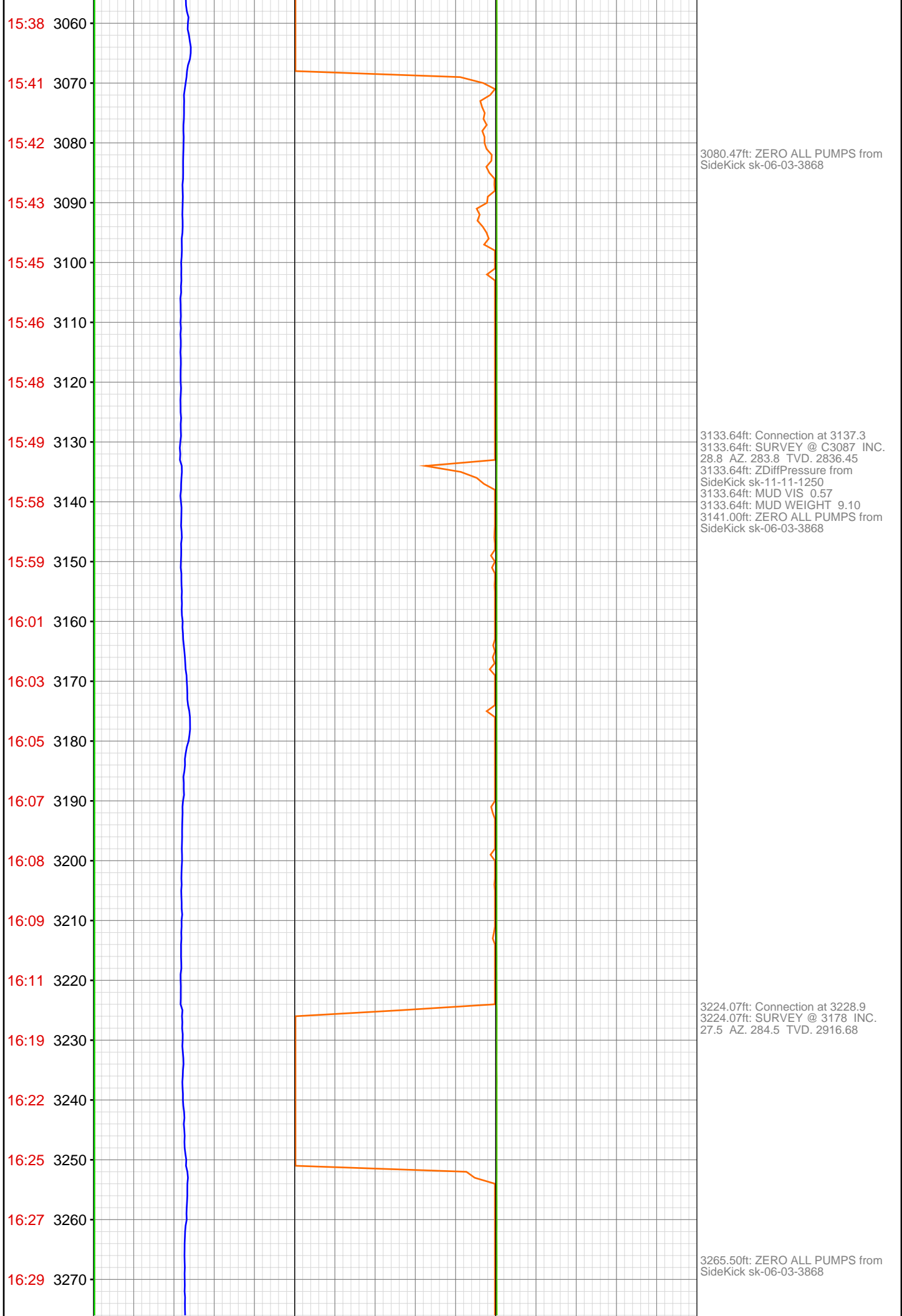
2585.82ft: Connection at 2588.1  
2585.82ft: SURVEY @ 2538 INC. 27.8 AZ. 283.8 TVD. 2350.46

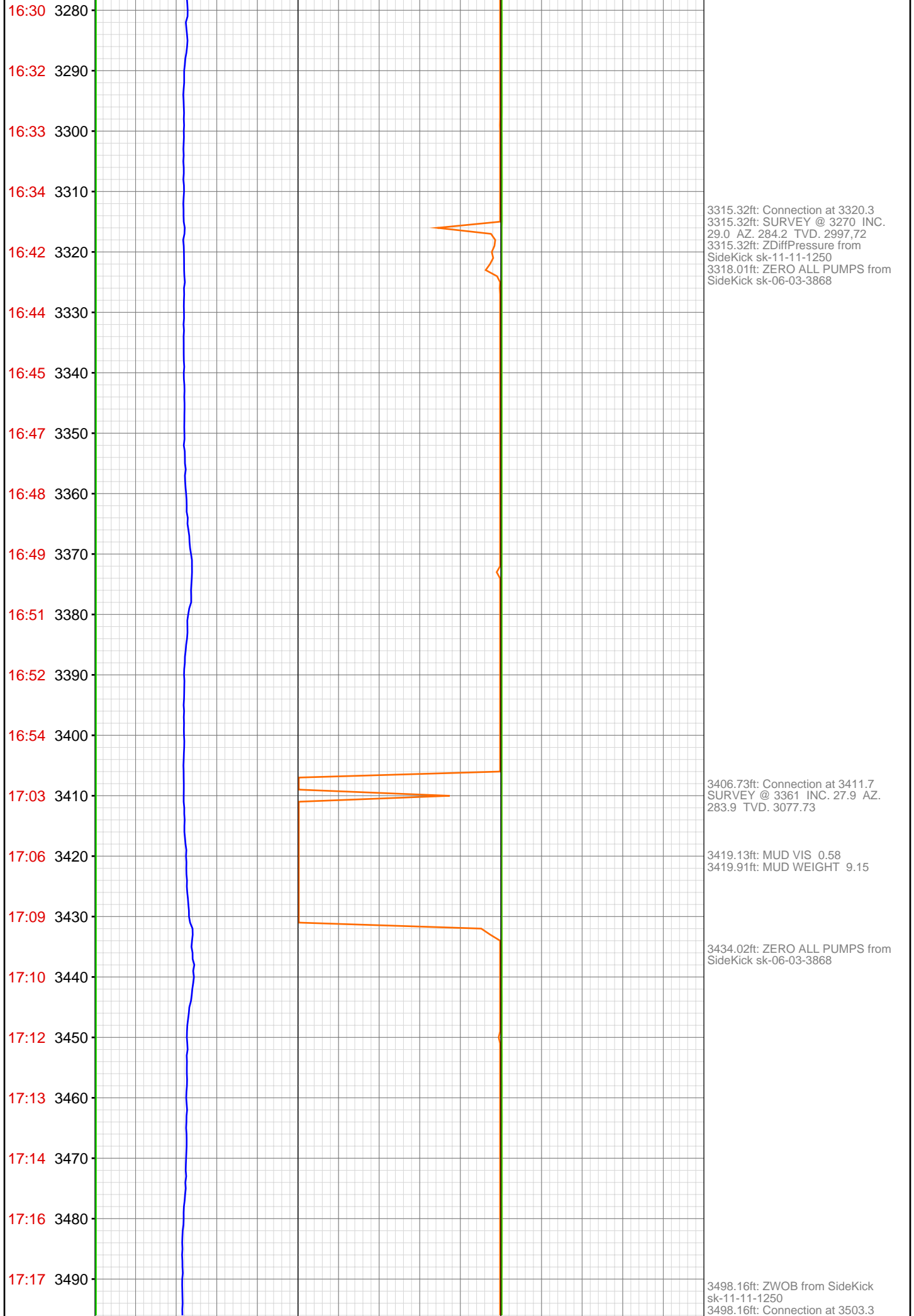
2603.00ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

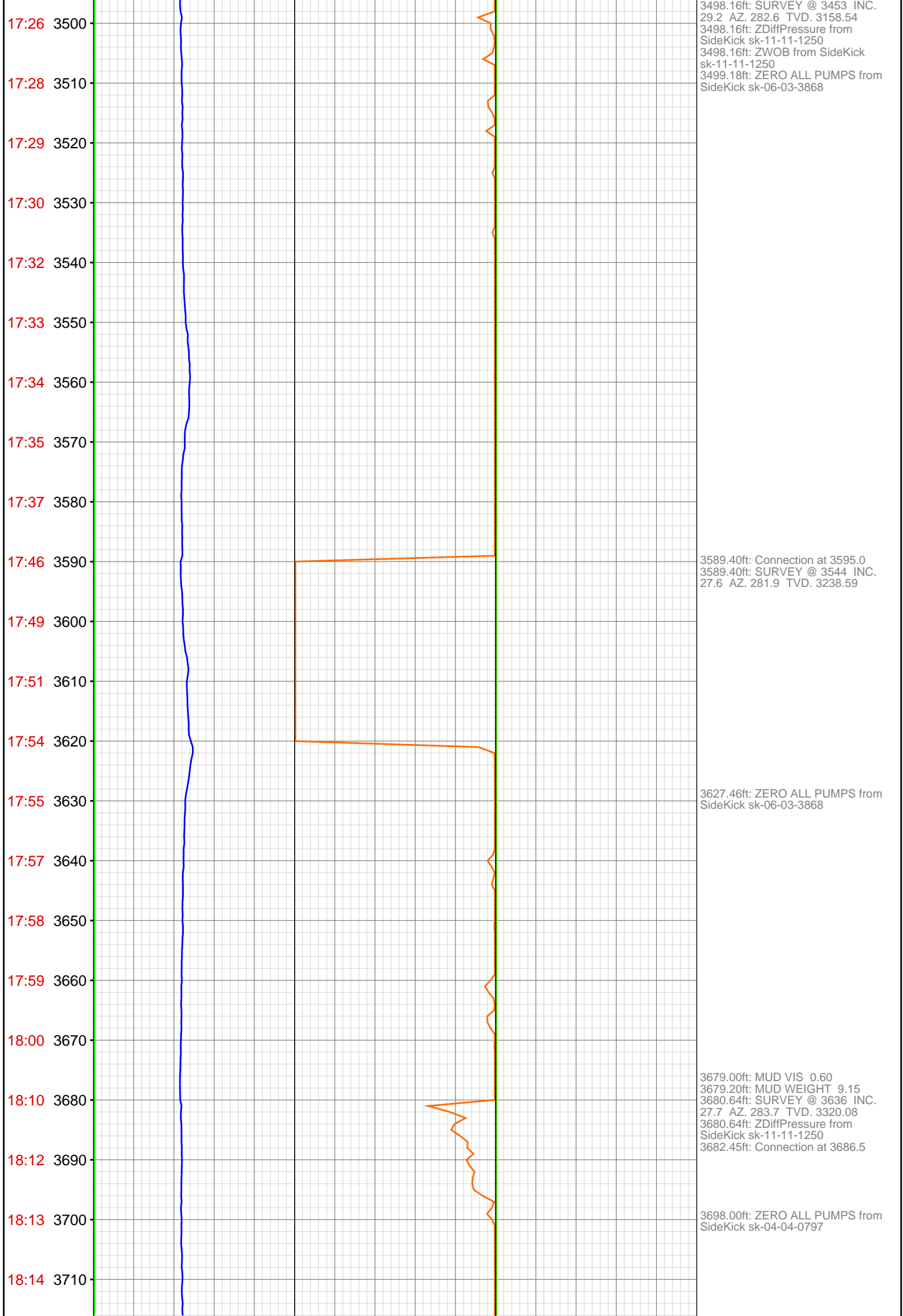










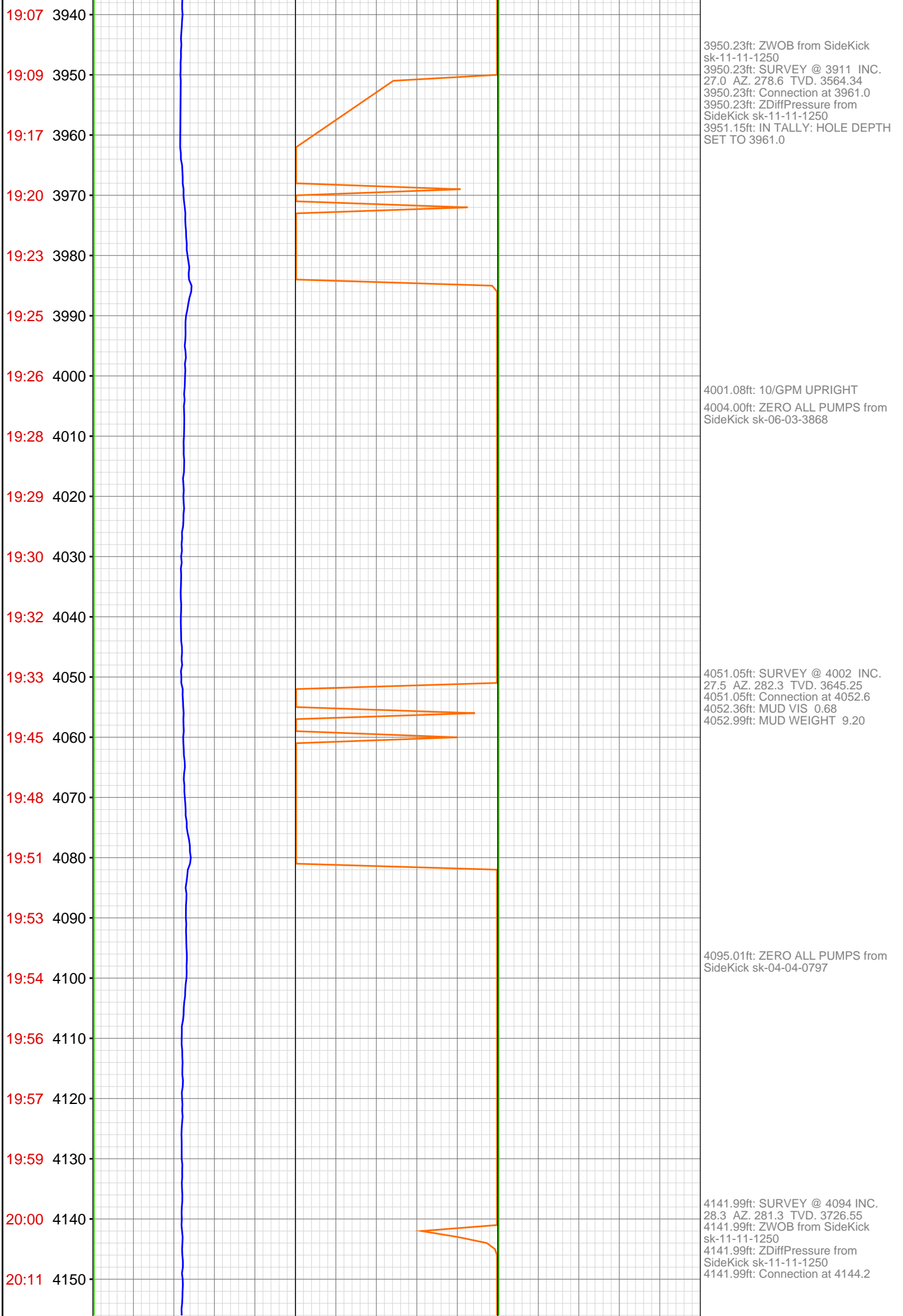


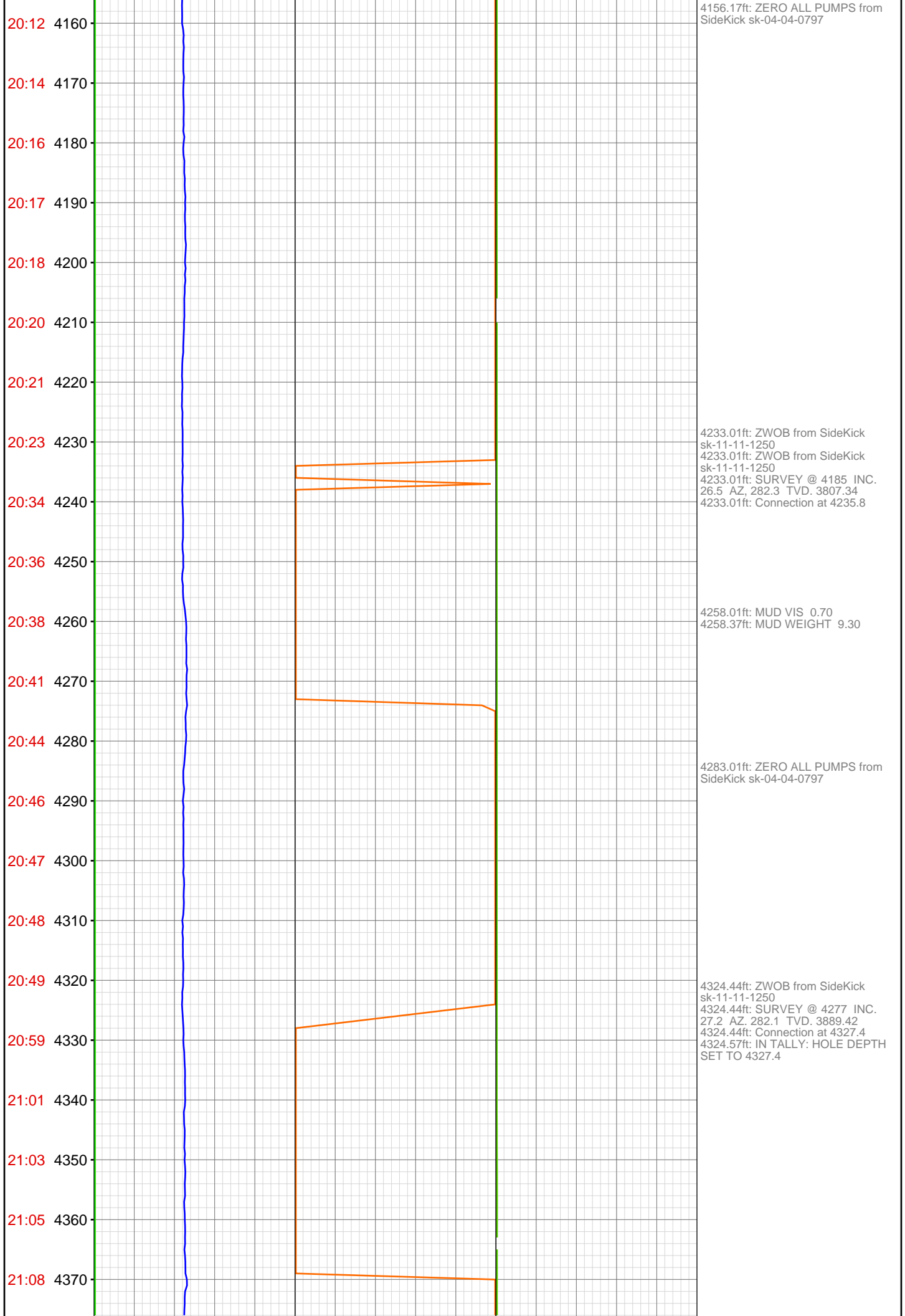
18:16 3720  
18:17 3730  
18:18 3740  
18:19 3750  
18:21 3760  
18:22 3770  
18:33 3780  
18:35 3790  
18:38 3800  
18:40 3810  
18:42 3820  
18:43 3830  
18:44 3840  
18:46 3850  
18:47 3860  
18:57 3870  
18:58 3880  
19:00 3890  
19:01 3900  
19:02 3910  
19:03 3920  
19:06 3930

3771.72ft: SURVEY @ 3728 INC.  
26.5 AZ. 282.6 TVD. 3401.98  
3771.72ft: Connection at 3778.0  
3777.69ft: TEST LEL  
3779.00ft: HGAS\_021: LOCATION1  
High LEL Alarm  
3779.30ft: HGAS\_004: Horn Muted  
3780.94ft: HGAS\_024: LOCATION2  
High LEL Alarm  
3781.00ft: HGAS\_004: Horn Muted  
  
3791.11ft: MUD VIS 0.61  
3791.11ft: MUD WEIGHT 9.15

3862.93ft: SURVEY @ 3819 INC.  
28.2 AZ. 279.7 TVD. 3482.81  
Connection at 3869.6  
3862.93ft: ZDiffPressure from  
SideKick sk-11-11-1250

3875.00ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797





21:10 4380  
21:11 4390  
21:12 4400  
21:14 4410  
21:25 4420  
21:27 4430  
21:28 4440  
21:30 4450  
21:31 4460  
21:33 4470  
21:34 4480  
21:36 4490  
21:37 4500  
21:46 4510  
21:49 4520  
21:52 4530  
21:55 4540  
21:56 4550  
21:57 4560  
21:59 4570  
22:00 4580  
22:02 4590

4385.20ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797

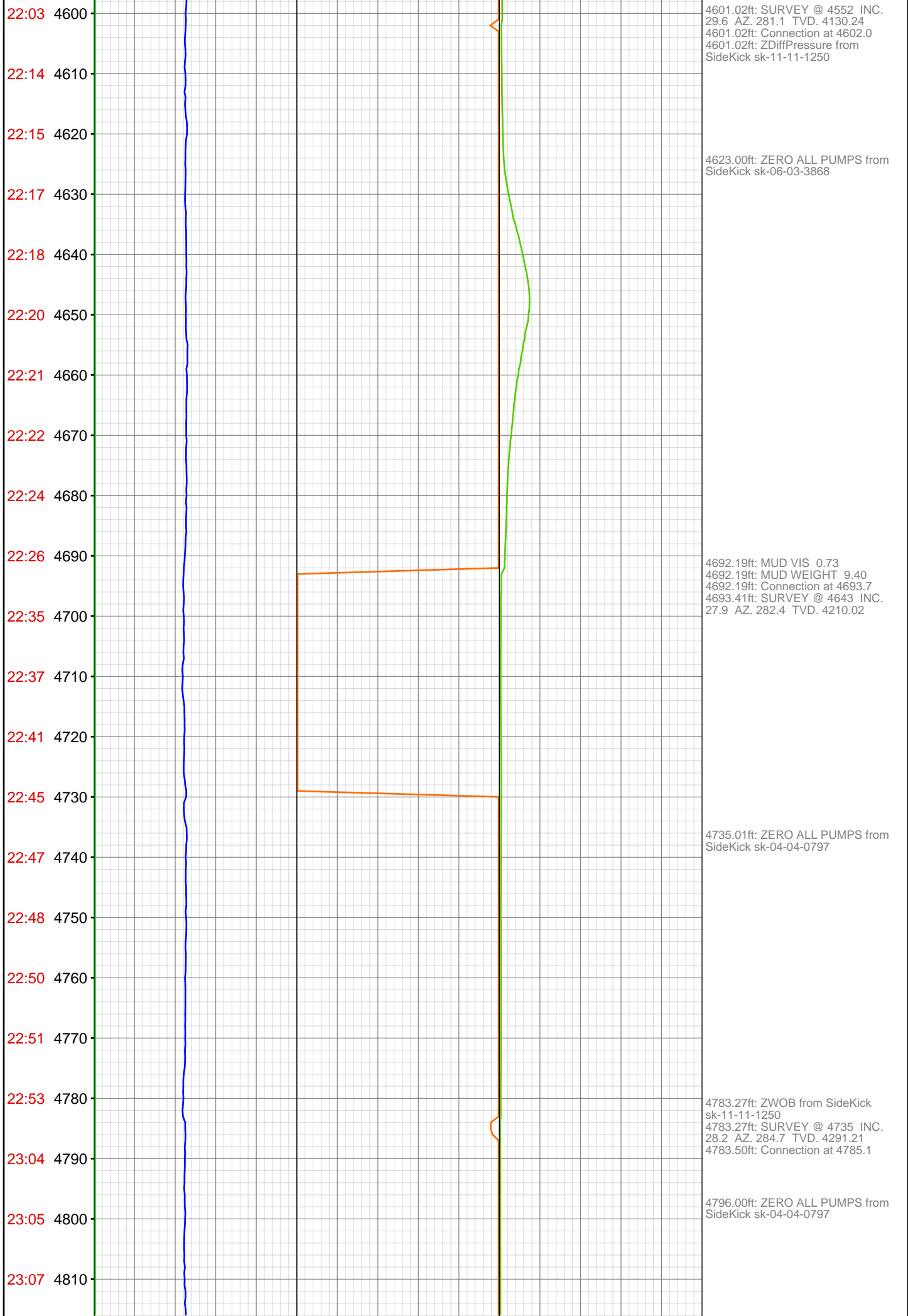
4418.41ft: SURVEY @ 4368 INC.  
29.4 AZ. 282.5 TVD. 3969.54  
4418.41ft: ZDiffPressure from  
SideKick sk-11-11-1250  
4418.41ft: Connection at 4418.9

4487.01ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868

4509.71ft: MUD VIS 0.74  
4509.71ft: MUD WEIGHT 9.35  
4509.71ft: SURVEY @ 4460 INC.  
28.8 AZ. 282.6 TVD. 4049.93  
4509.71ft: Connection at 4510.5

4569.42ft: 10/GPM RIG WATER





23:08 4820

23:10 4830

23:12 4840

23:13 4850

23:15 4860

23:16 4870

23:26 4880

23:31 4890

23:34 4900

23:38 4910

23:40 4920

23:42 4930

23:44 4940

23:45 4950

23:47 4960

23:58 4970

Jun 13, 2012

00:00 4980

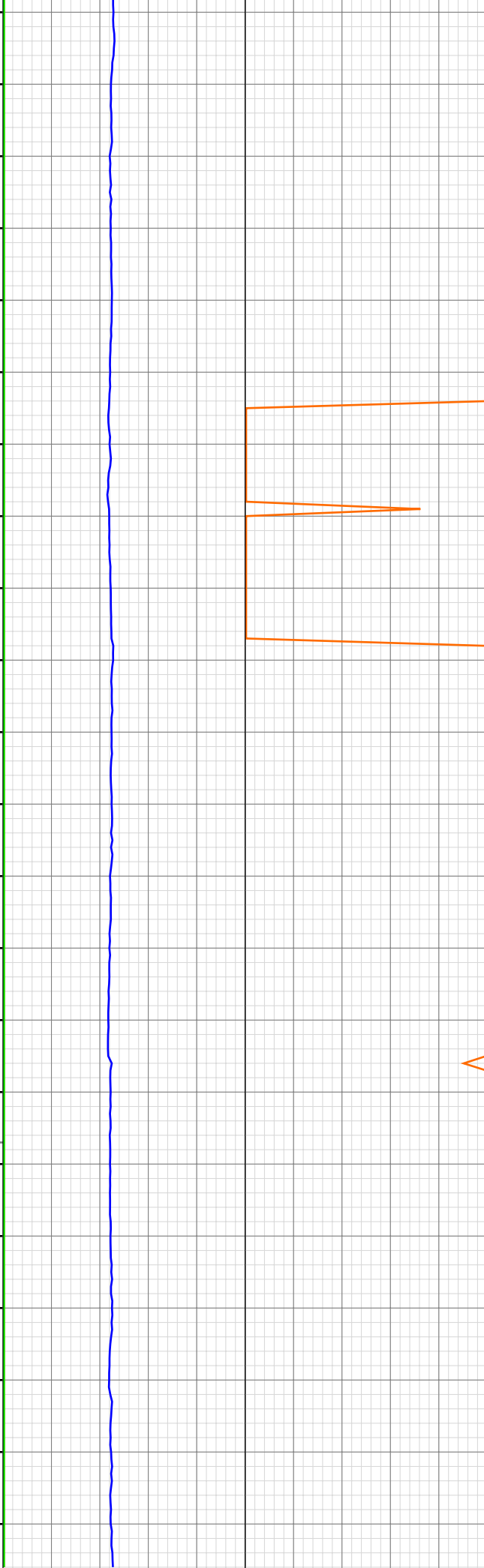
00:02 4990

00:03 5000

00:05 5010

00:08 5020

00:10 5030



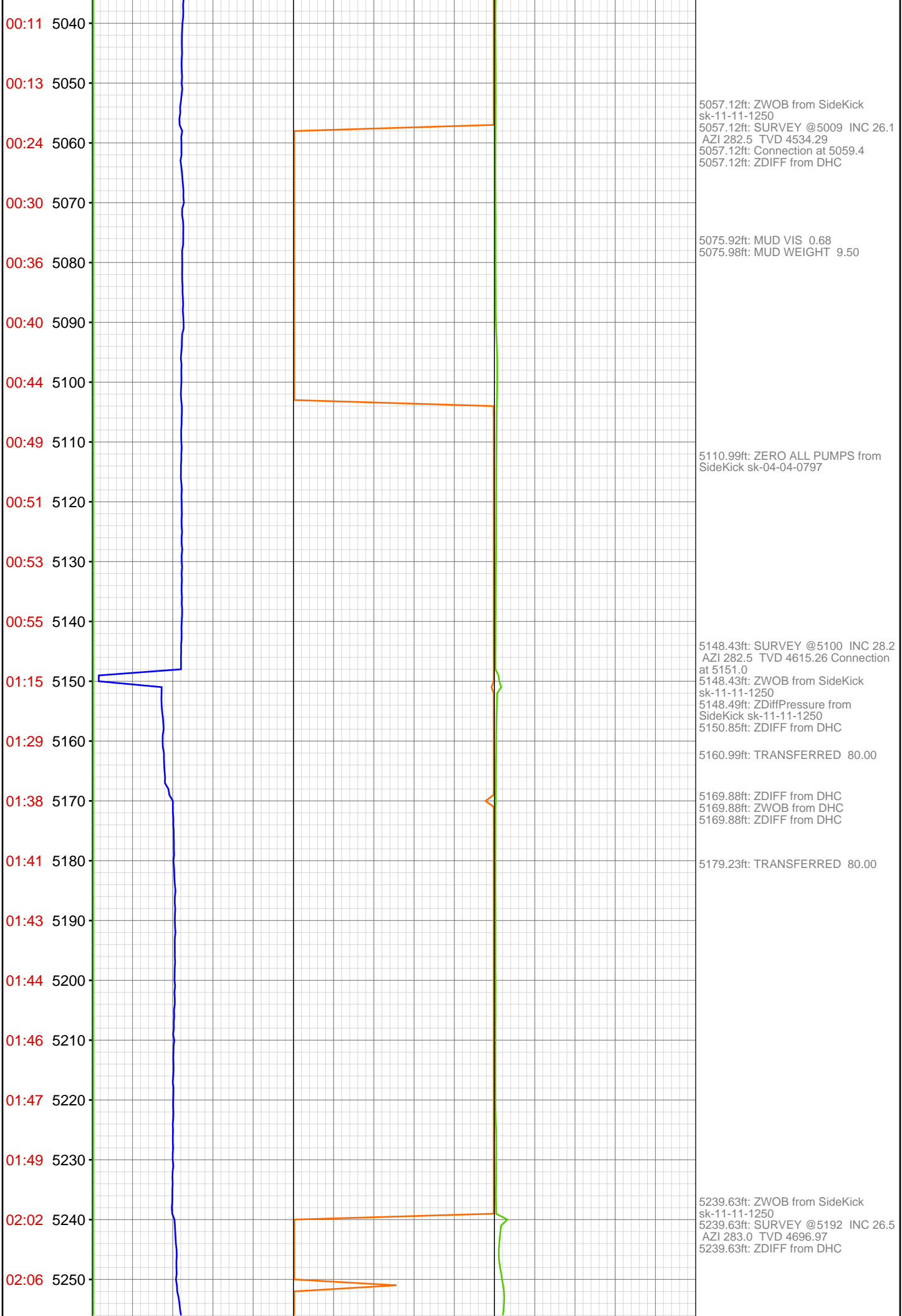
4874.84ft: Connection at 4876.5  
4877.40ft: SURVEY @ 4826 INC.  
27.2 AZ. 284.5 TVD. 4371.78

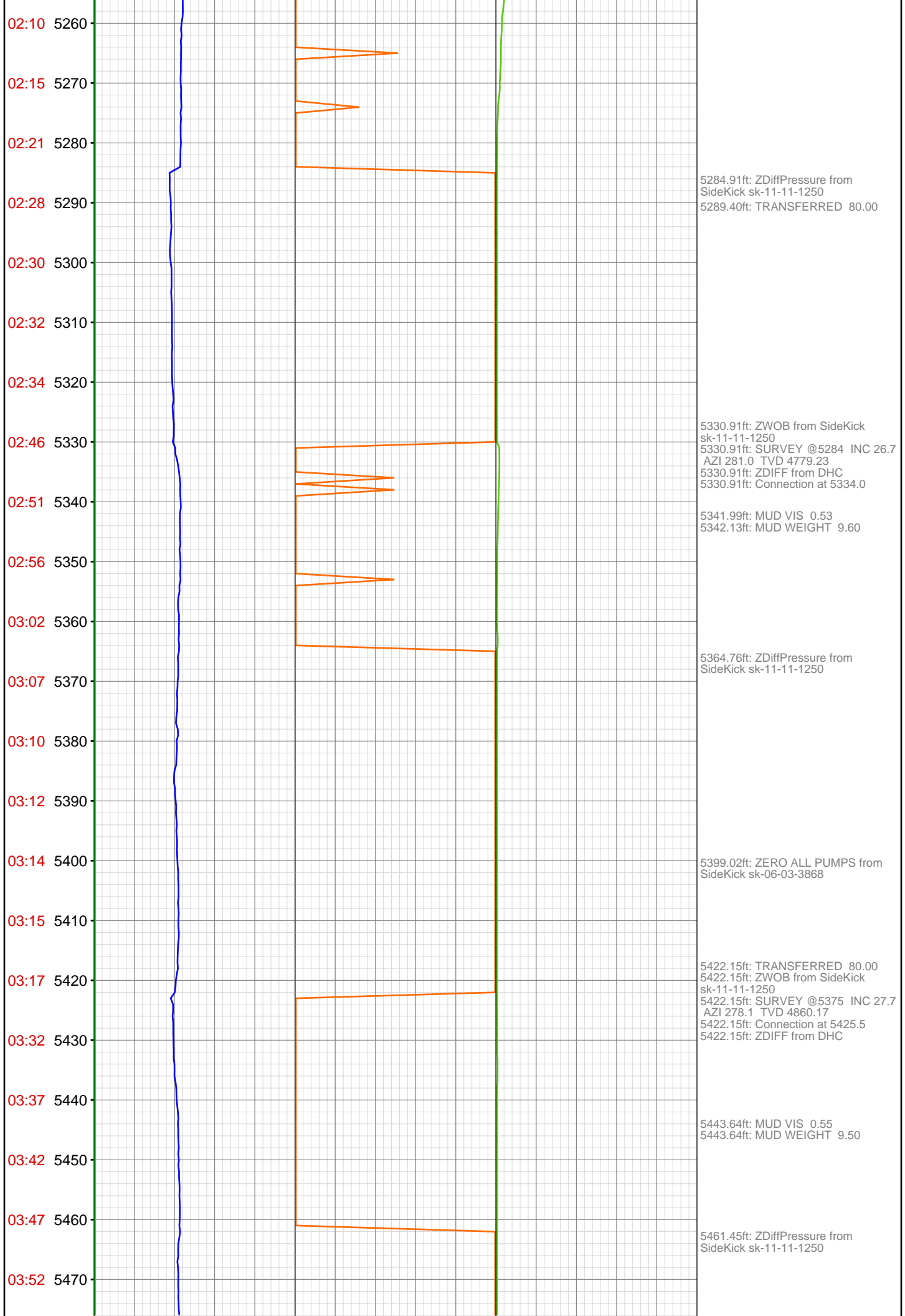
4885.01ft: MUD VIS 0.65  
4885.14ft: MUD WEIGHT 9.40

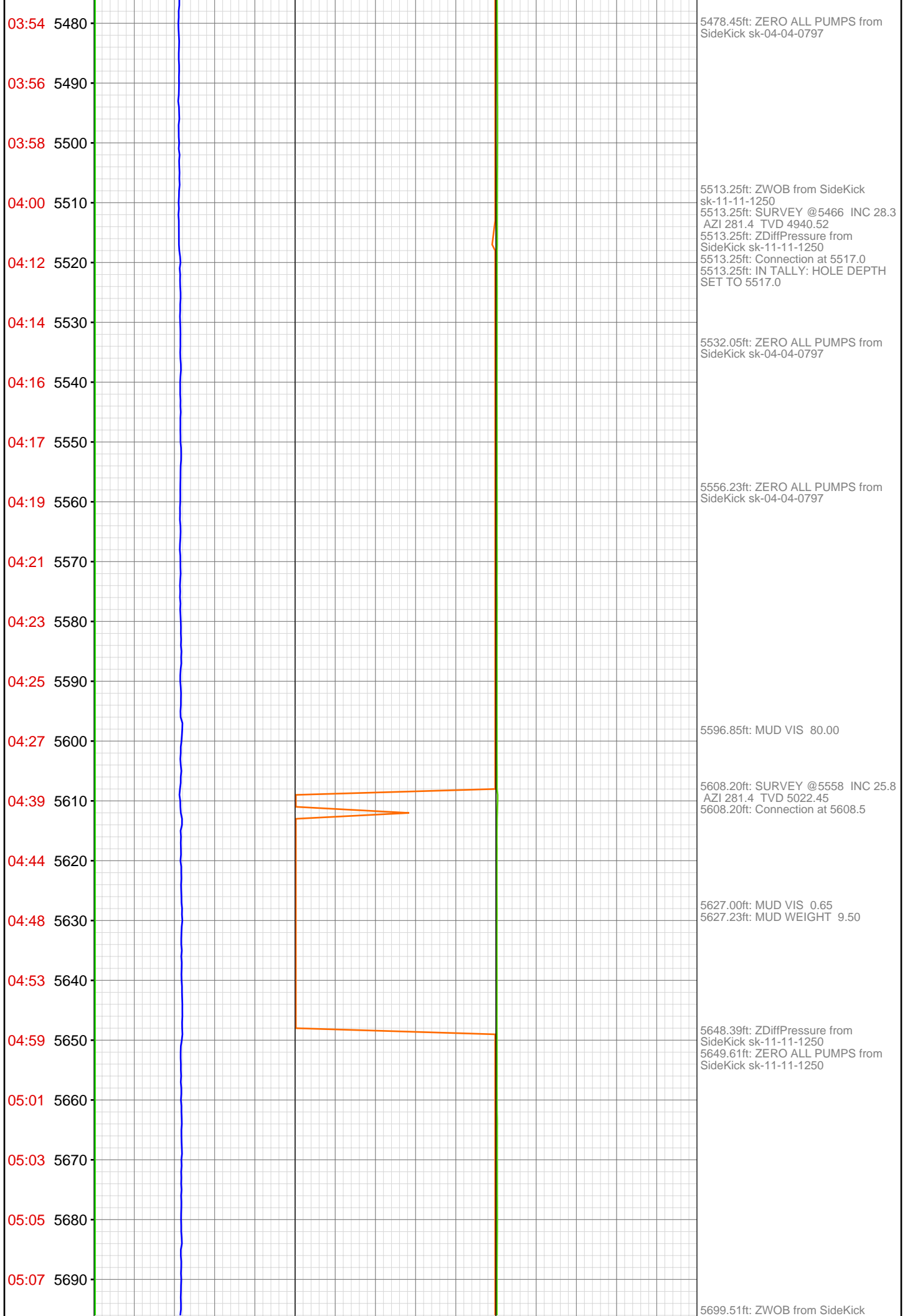
4920.01ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868

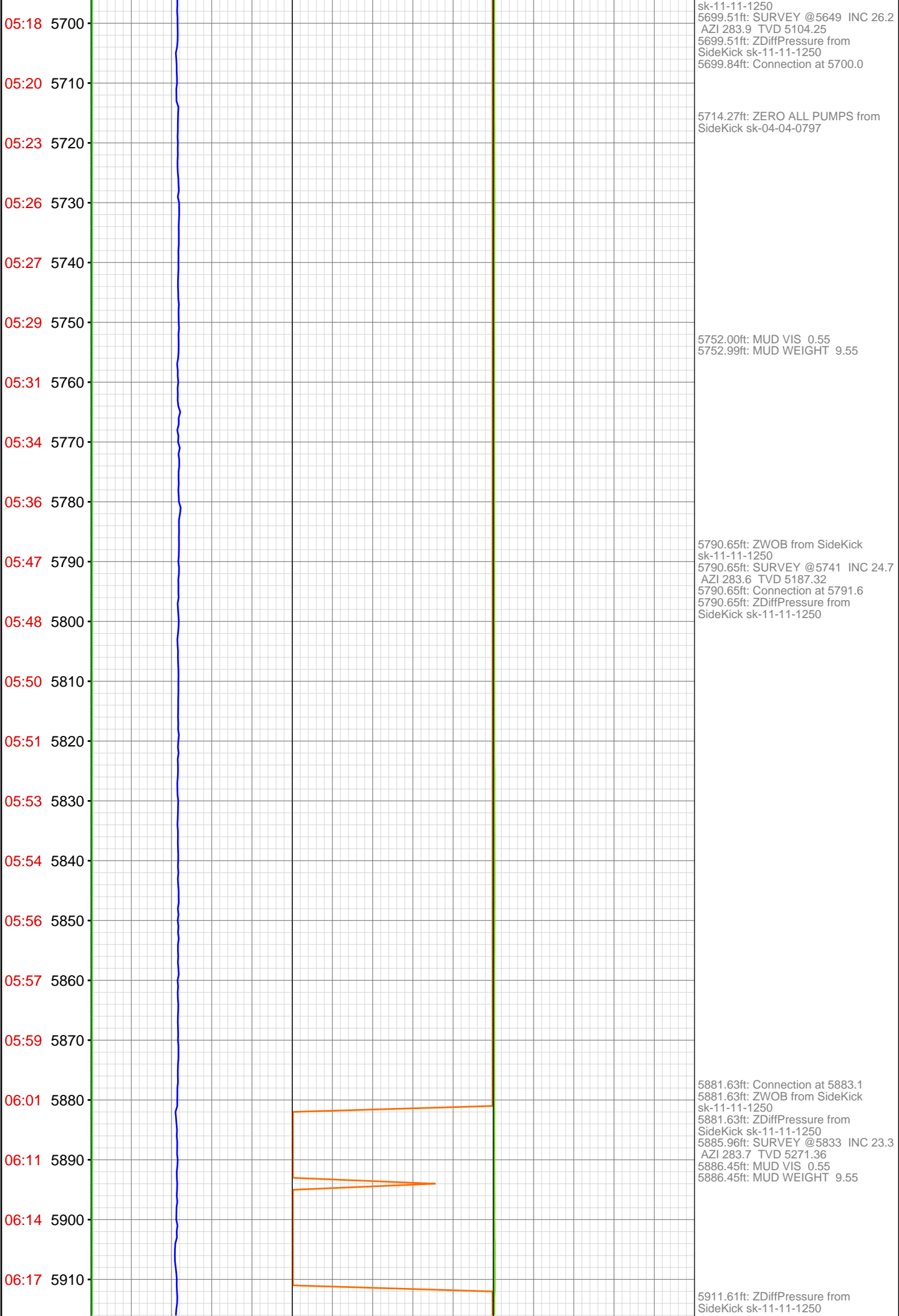
4965.68ft: ZDiffPressure from  
SideKick sk-11-11-1250  
4968.27ft: Connection at 4968.0

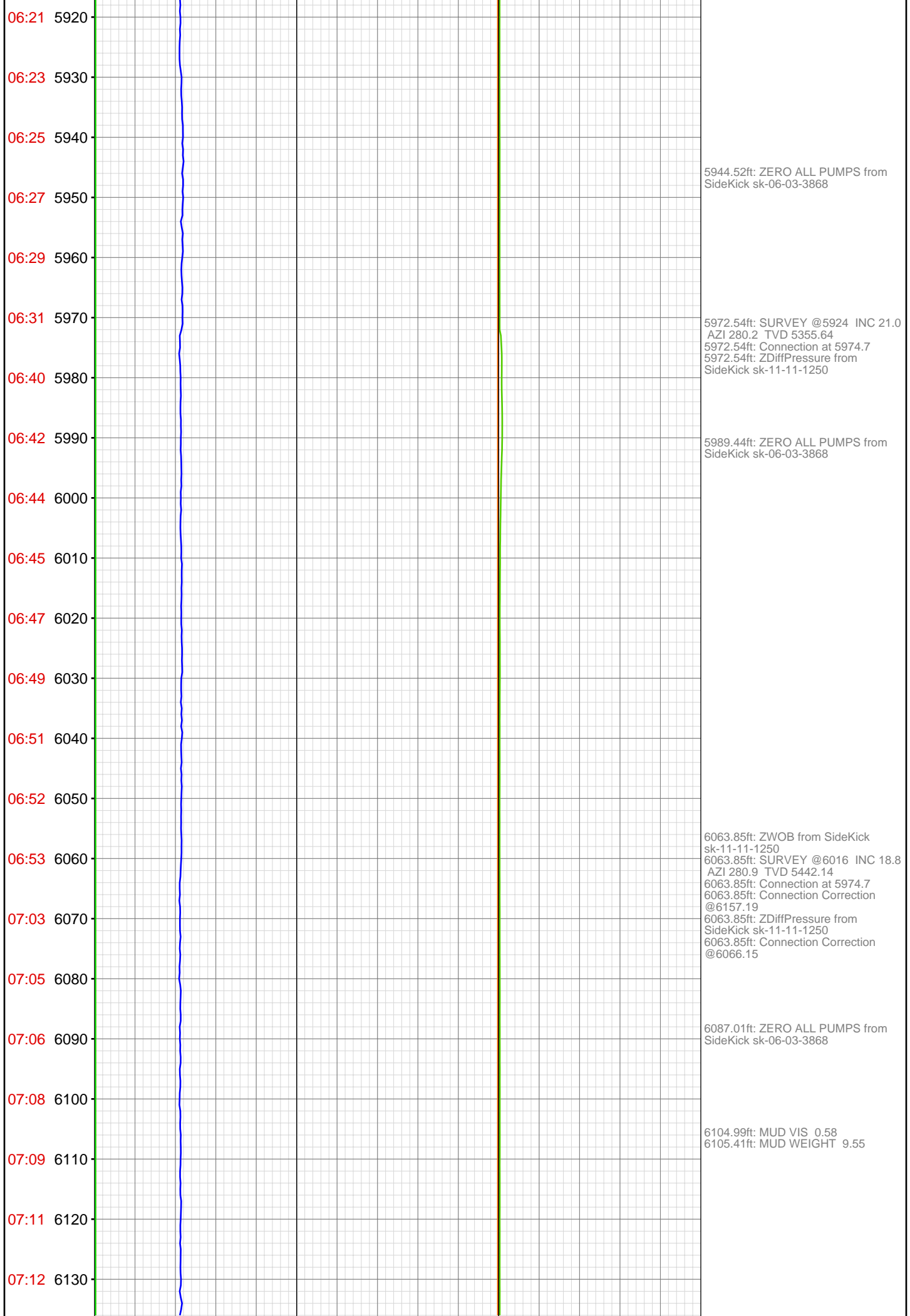
4983.99ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797

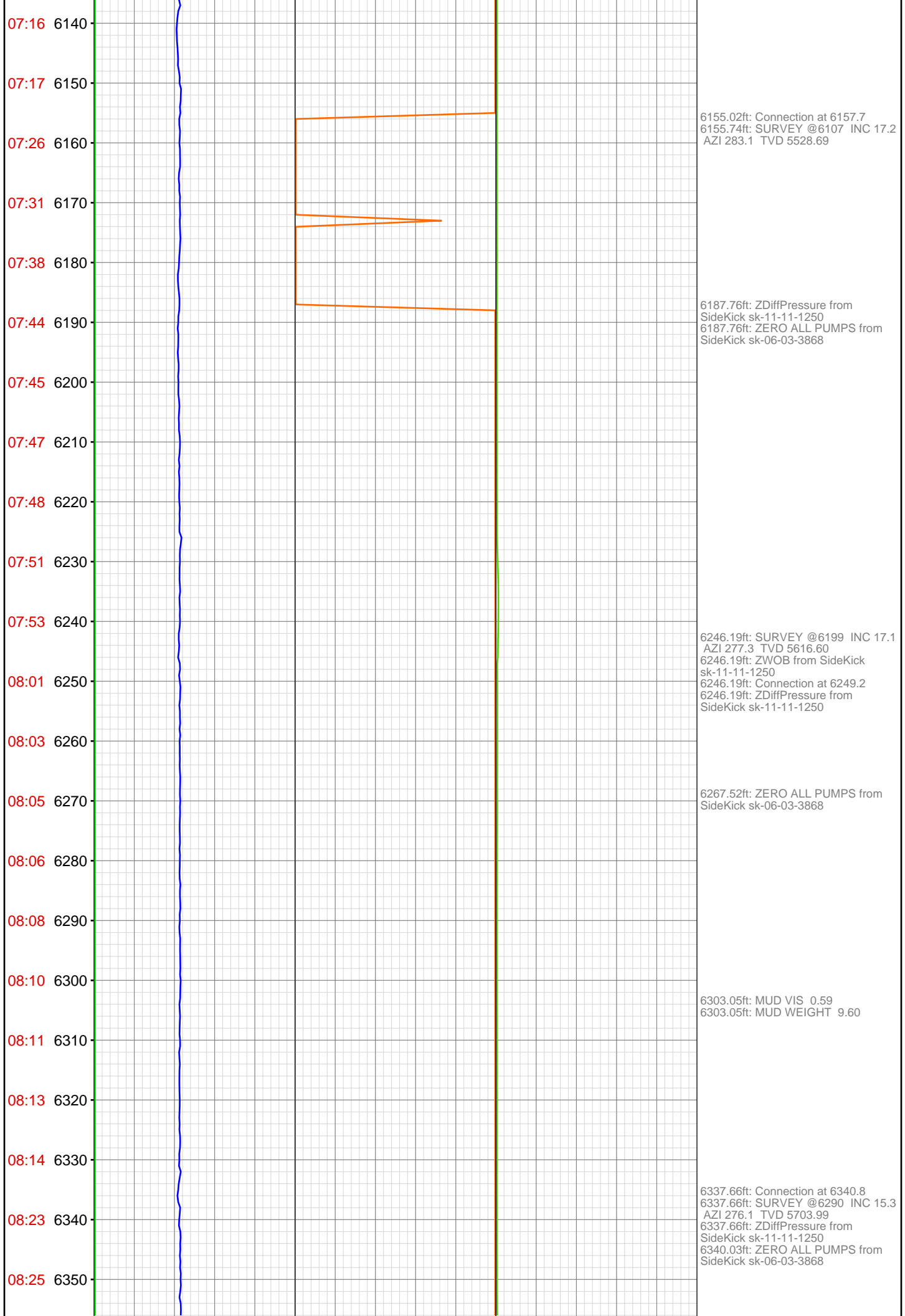




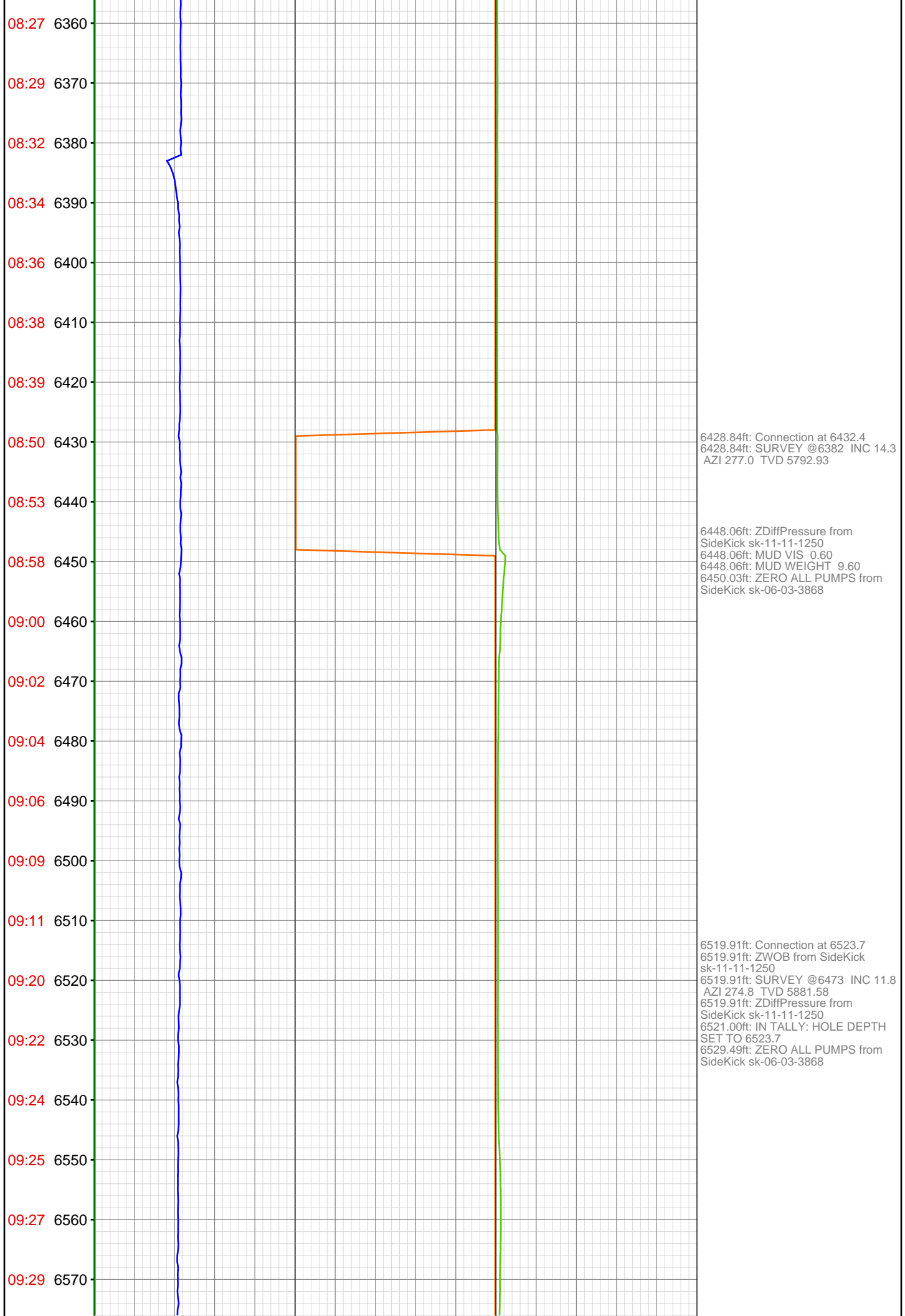


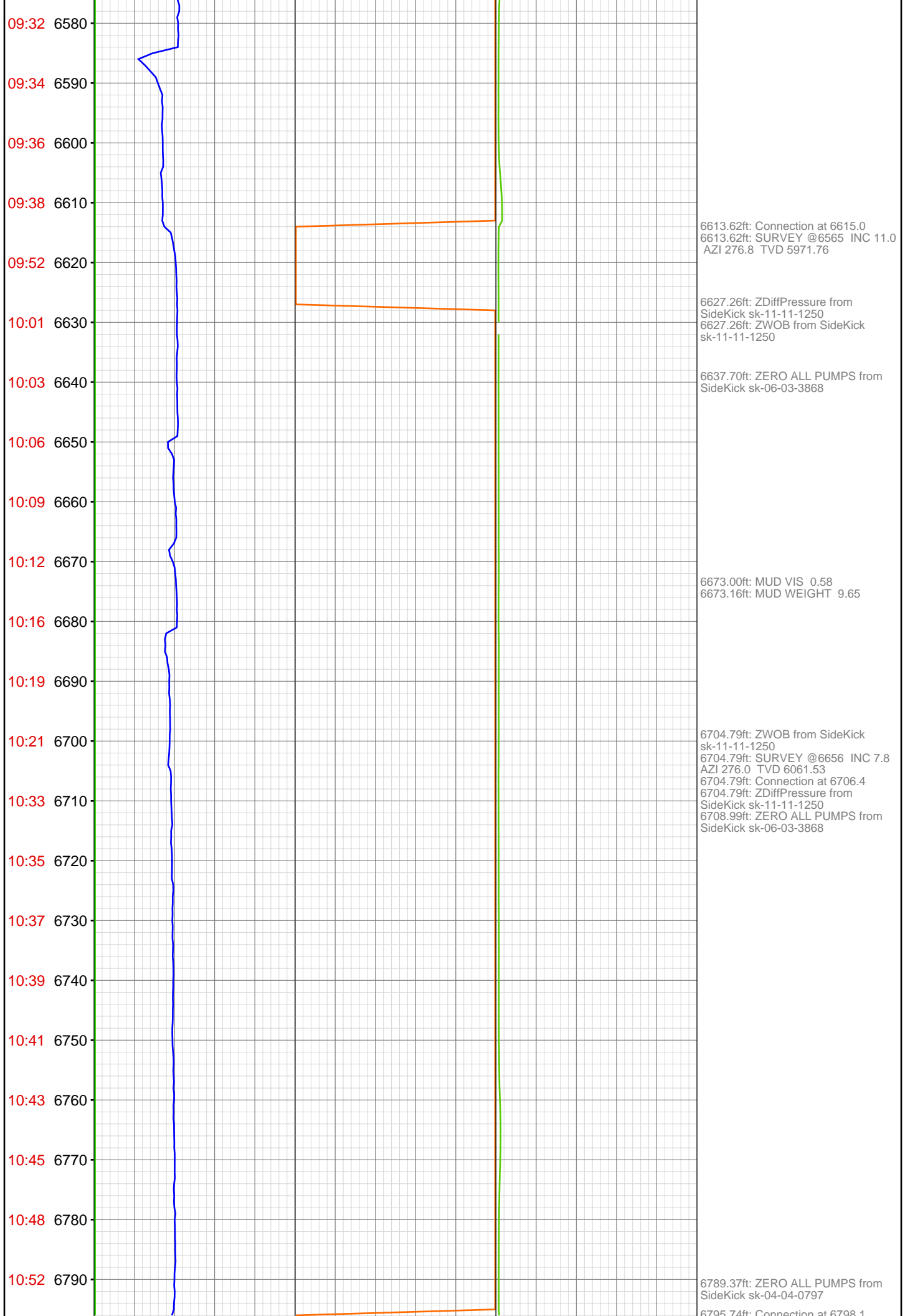


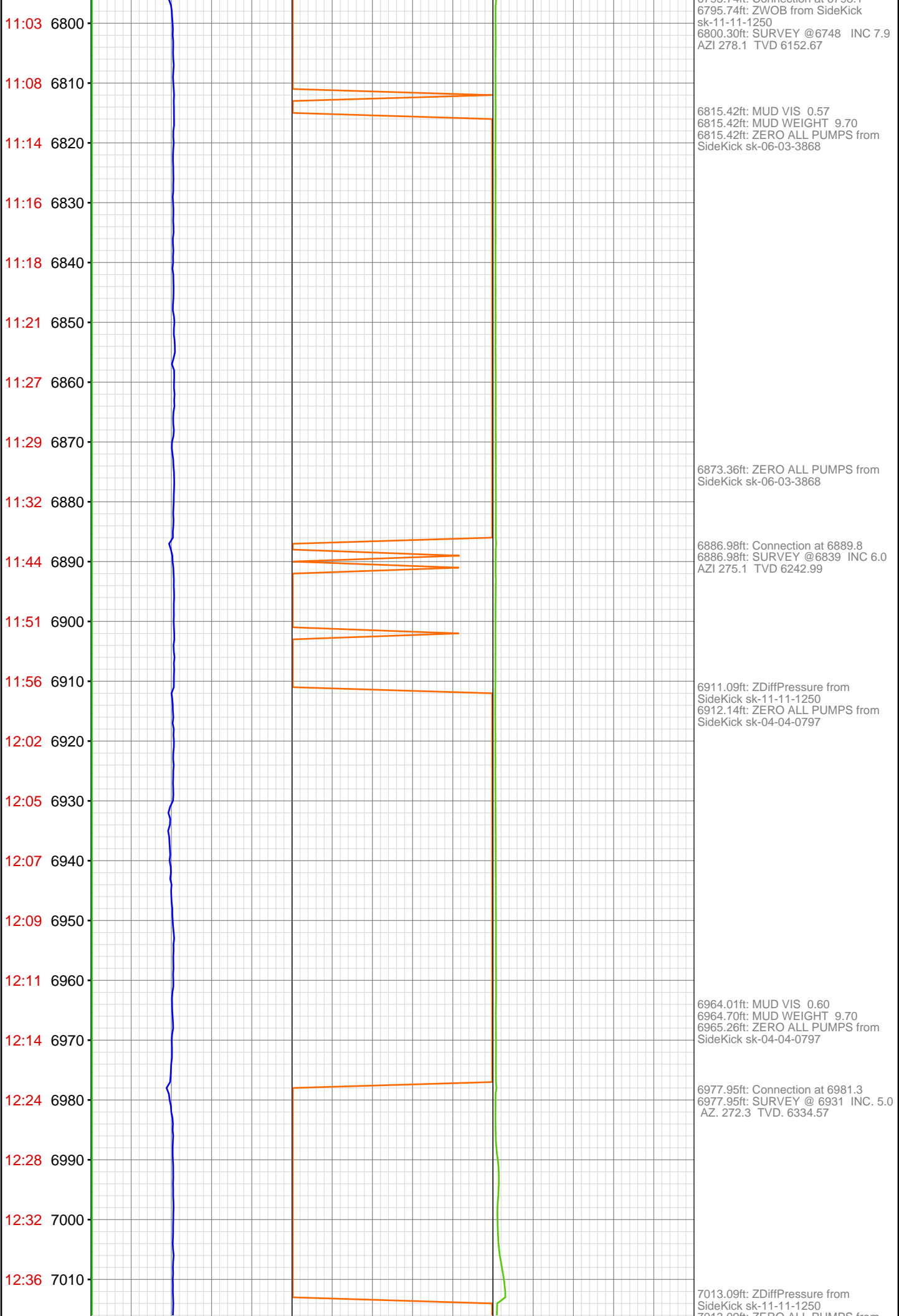


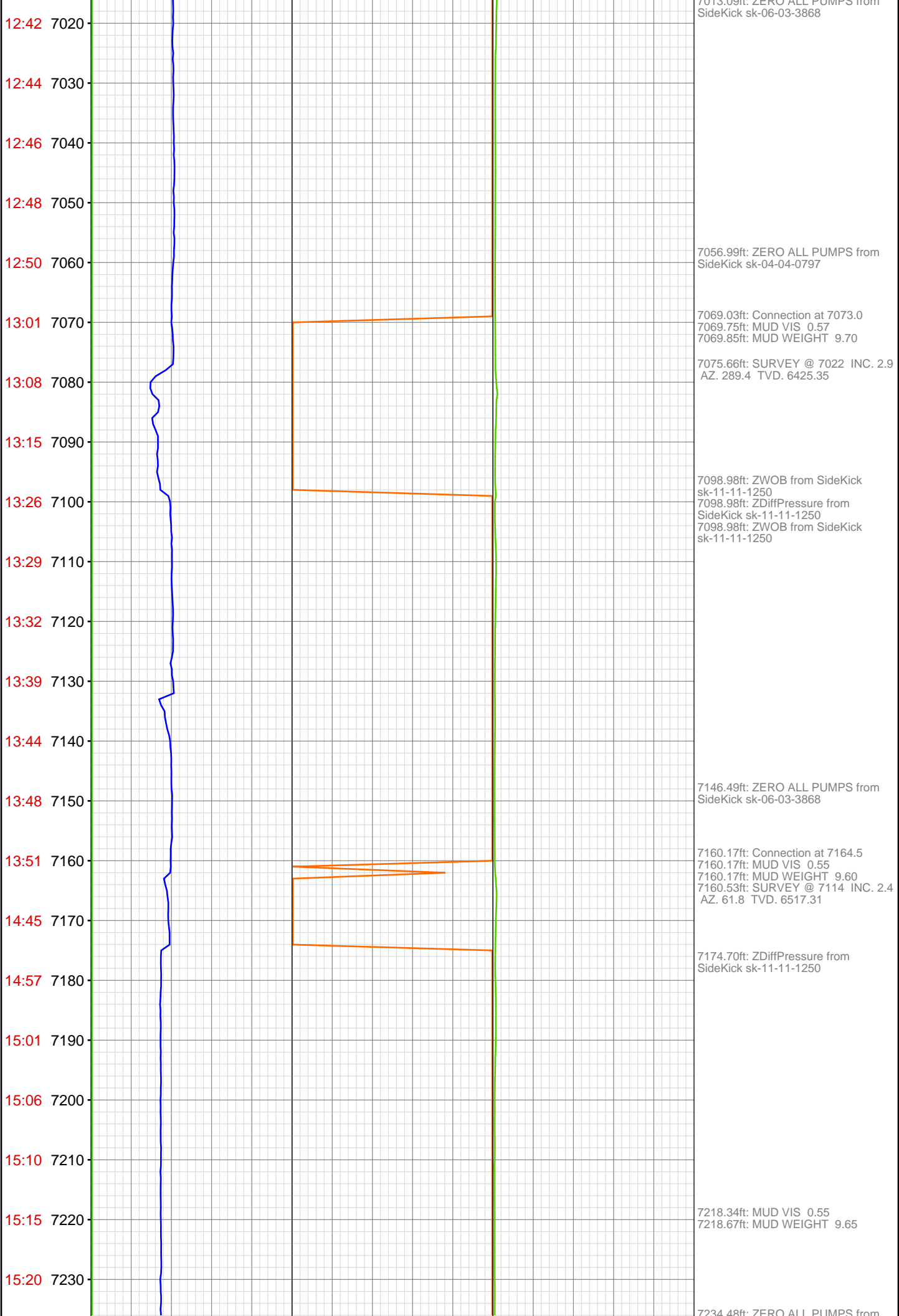


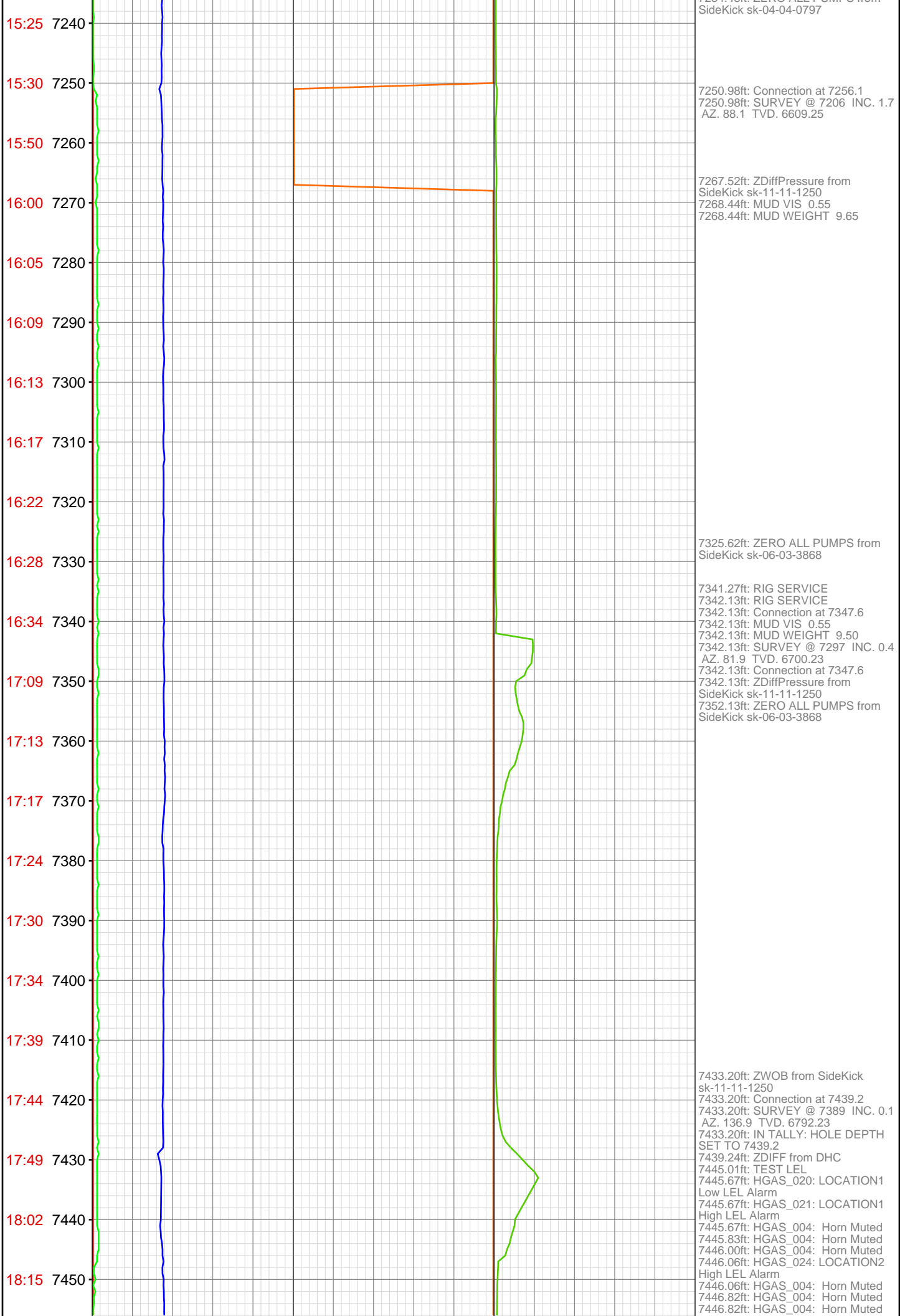


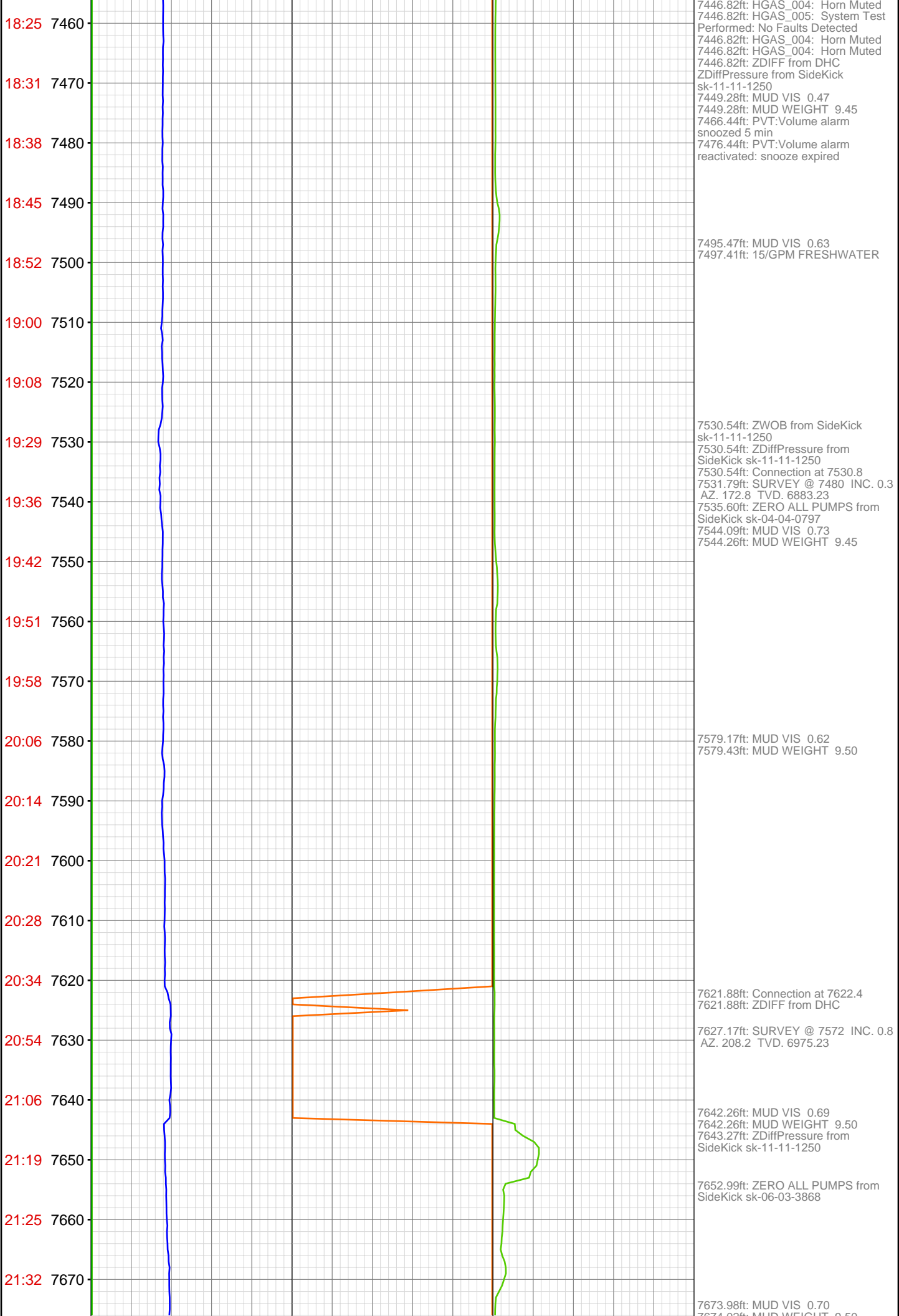


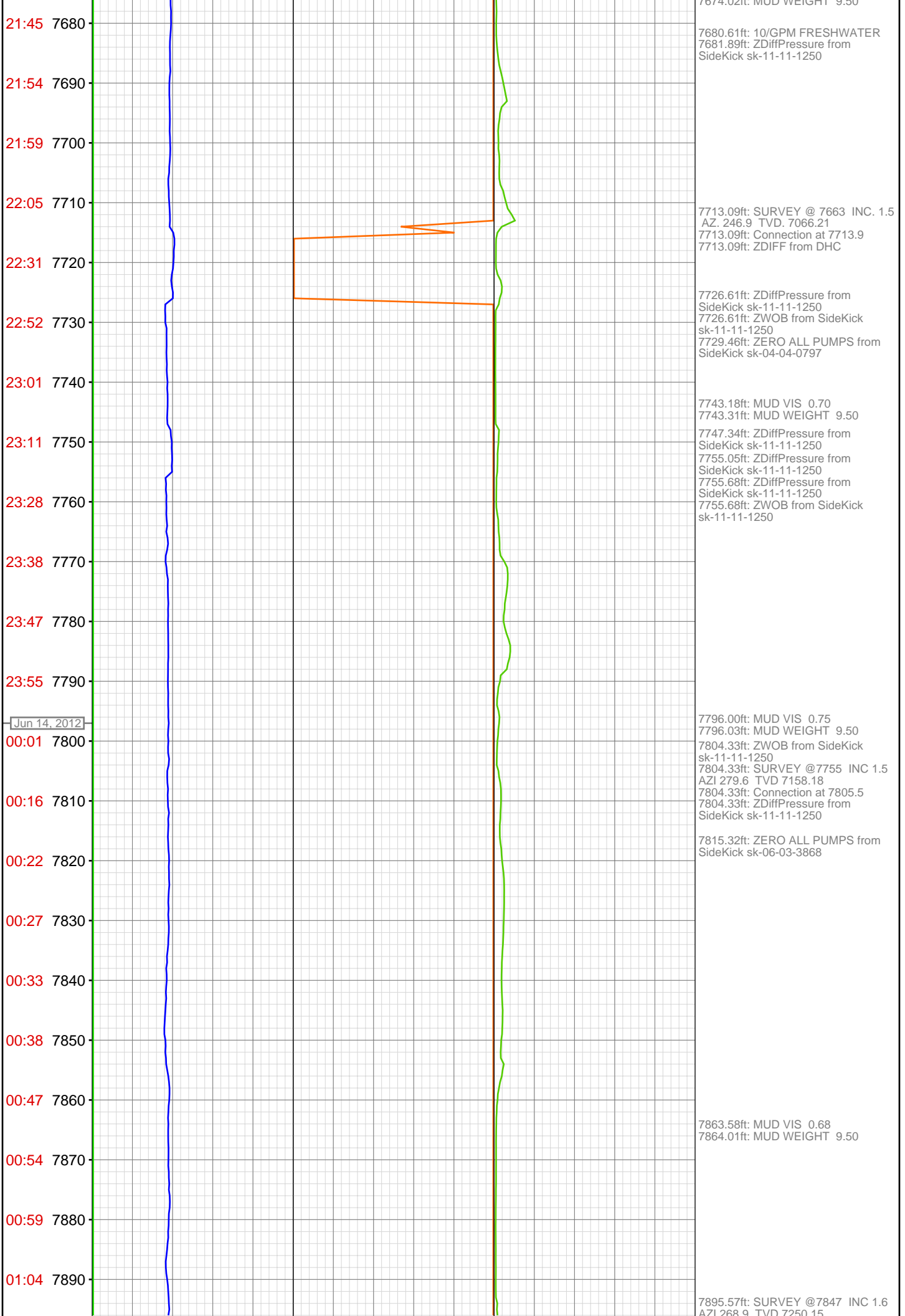


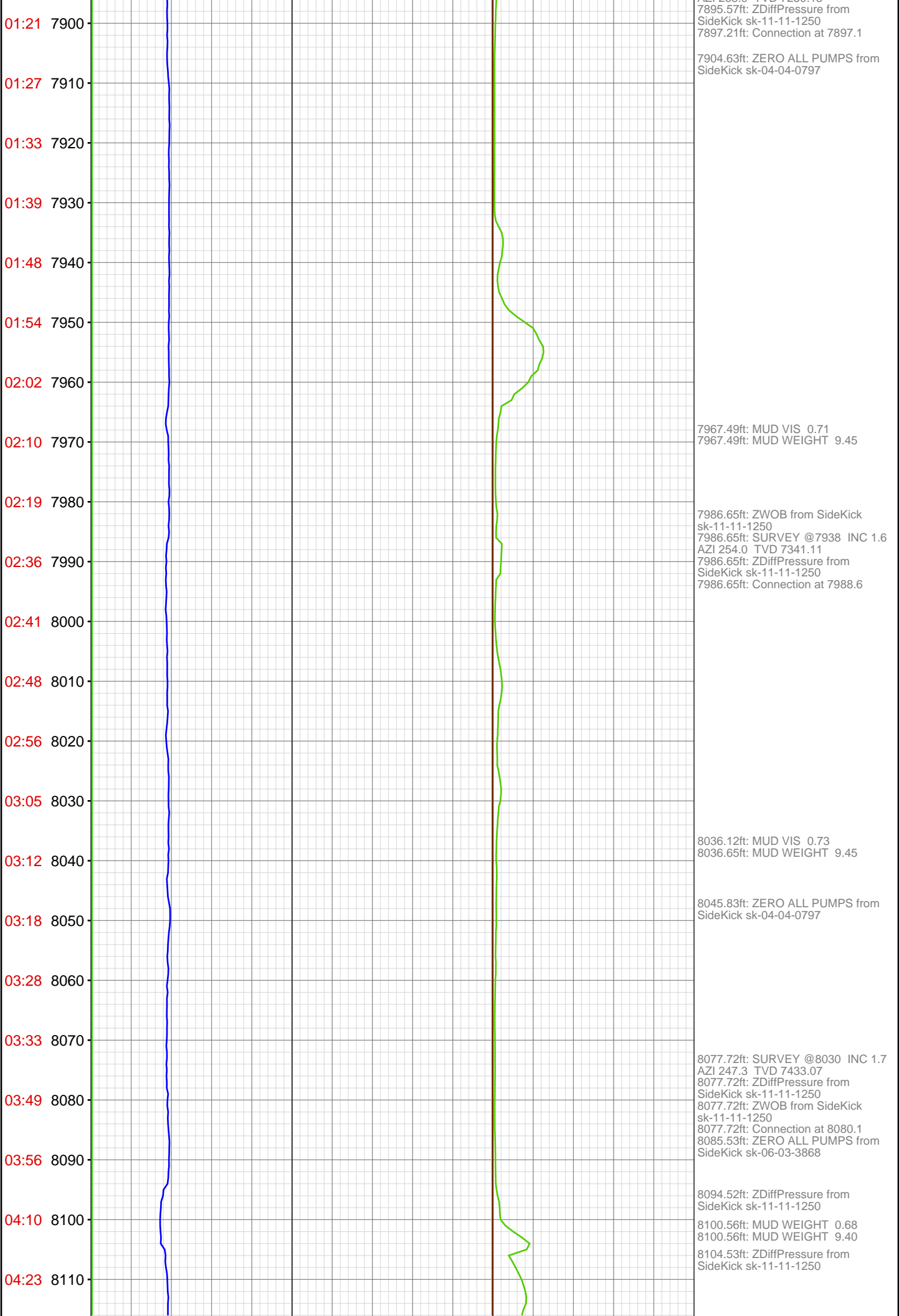




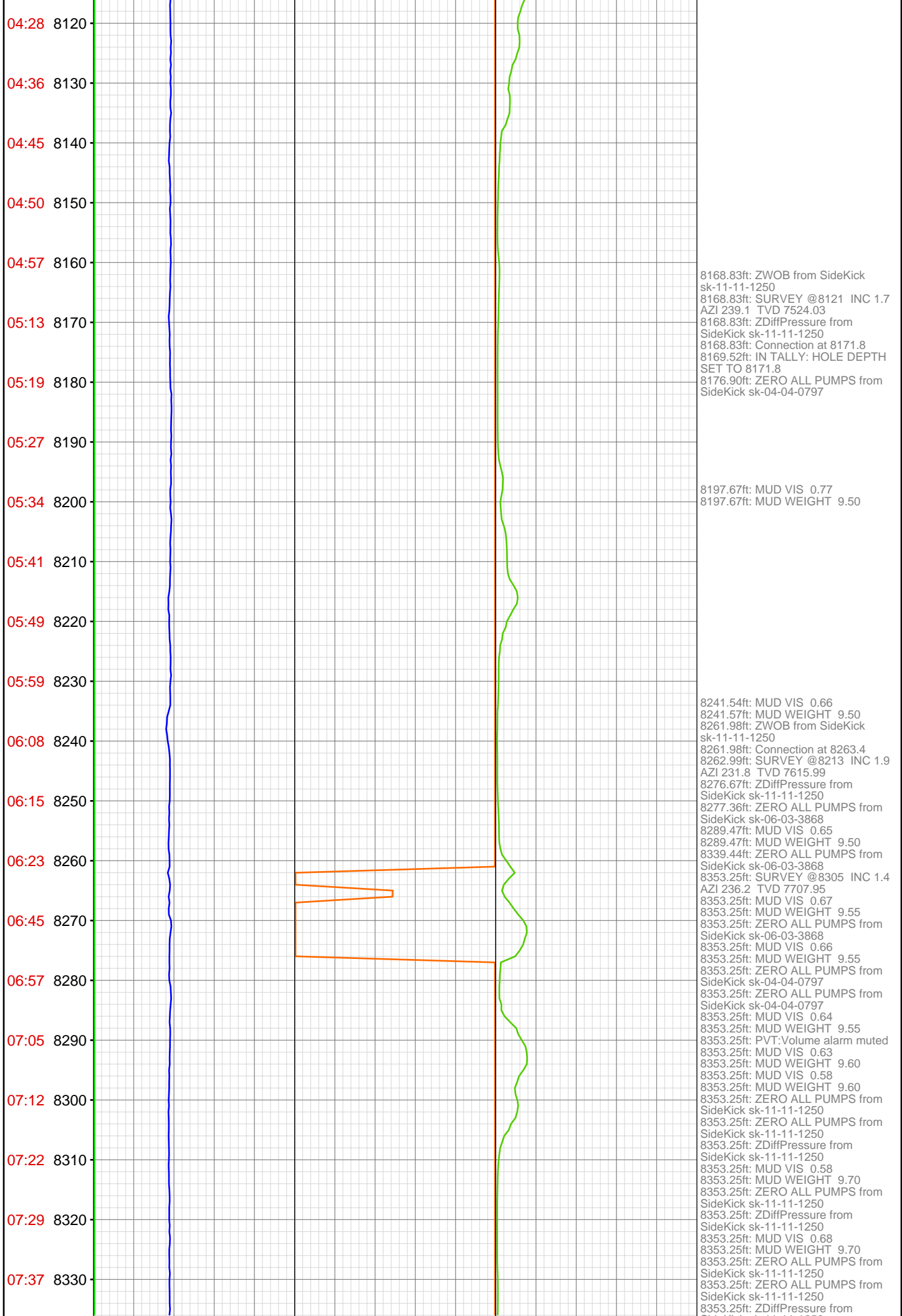


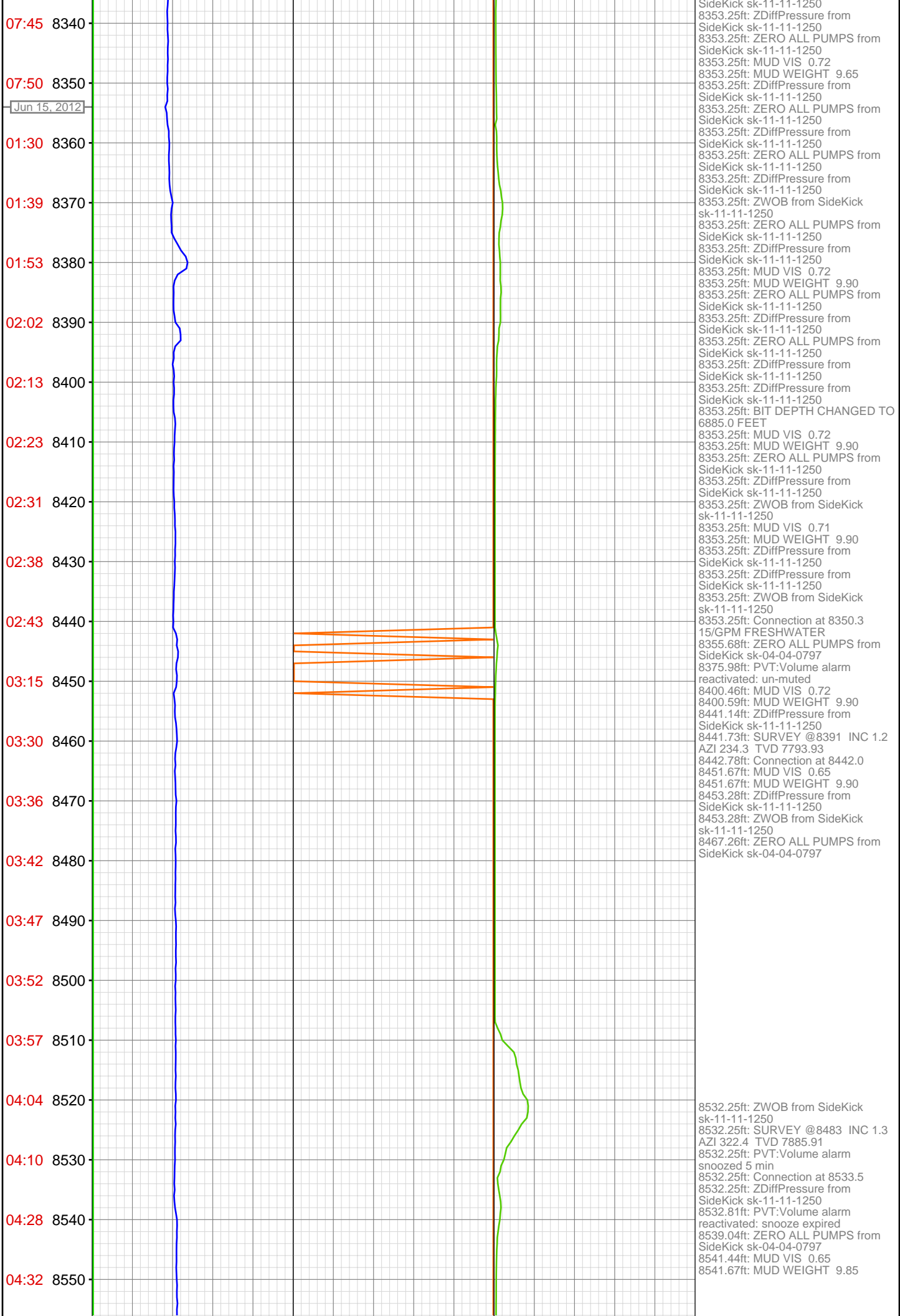


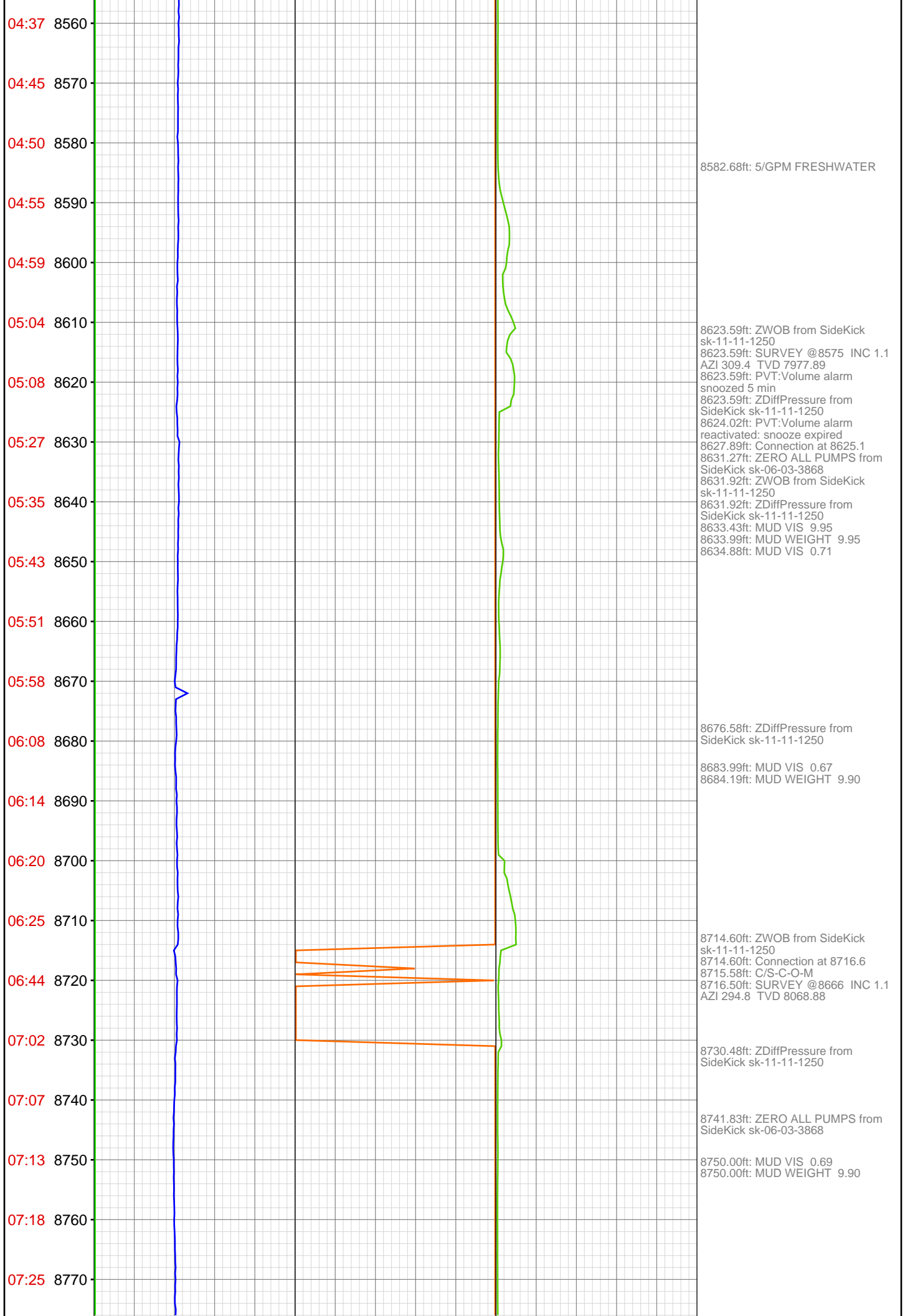


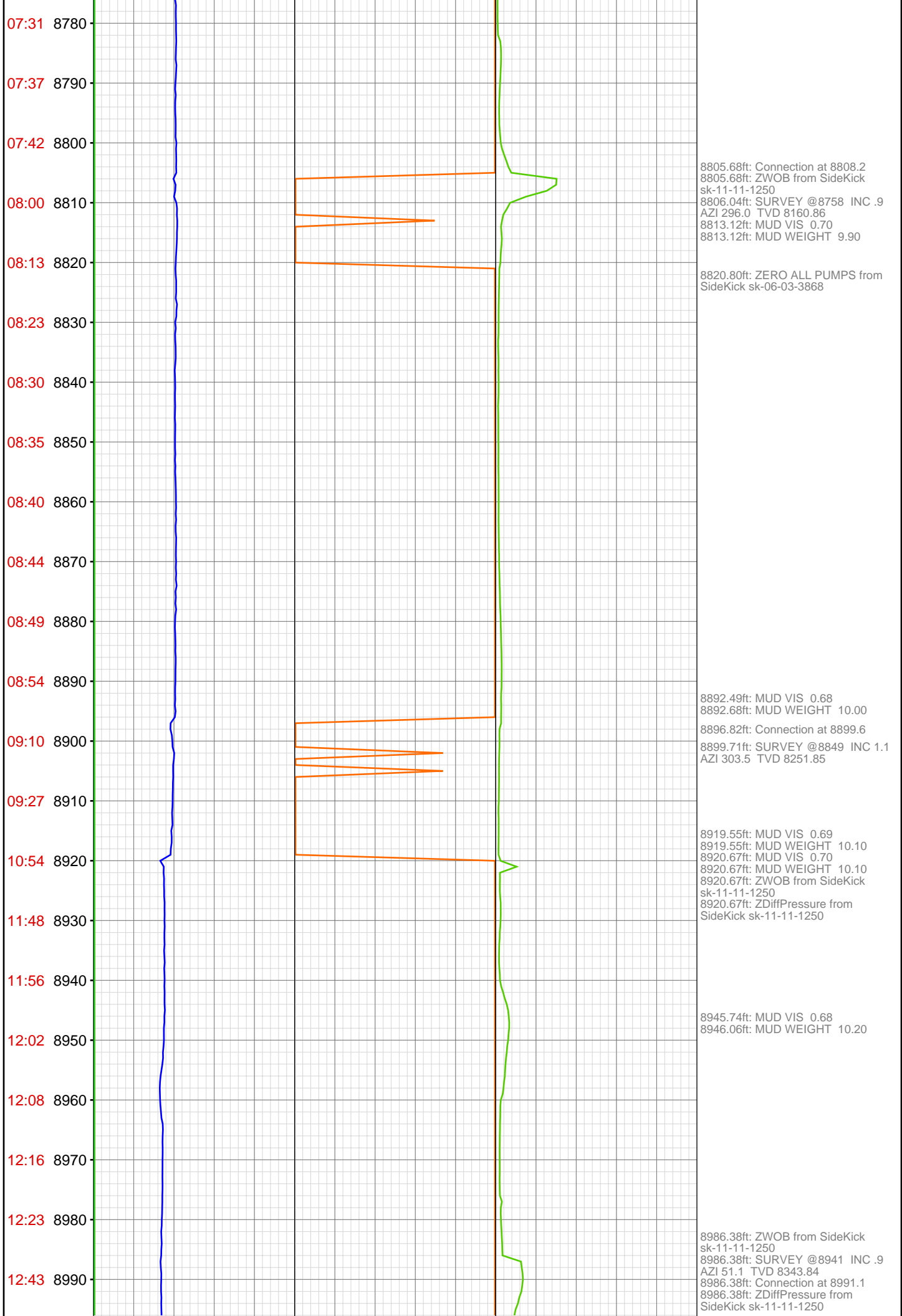


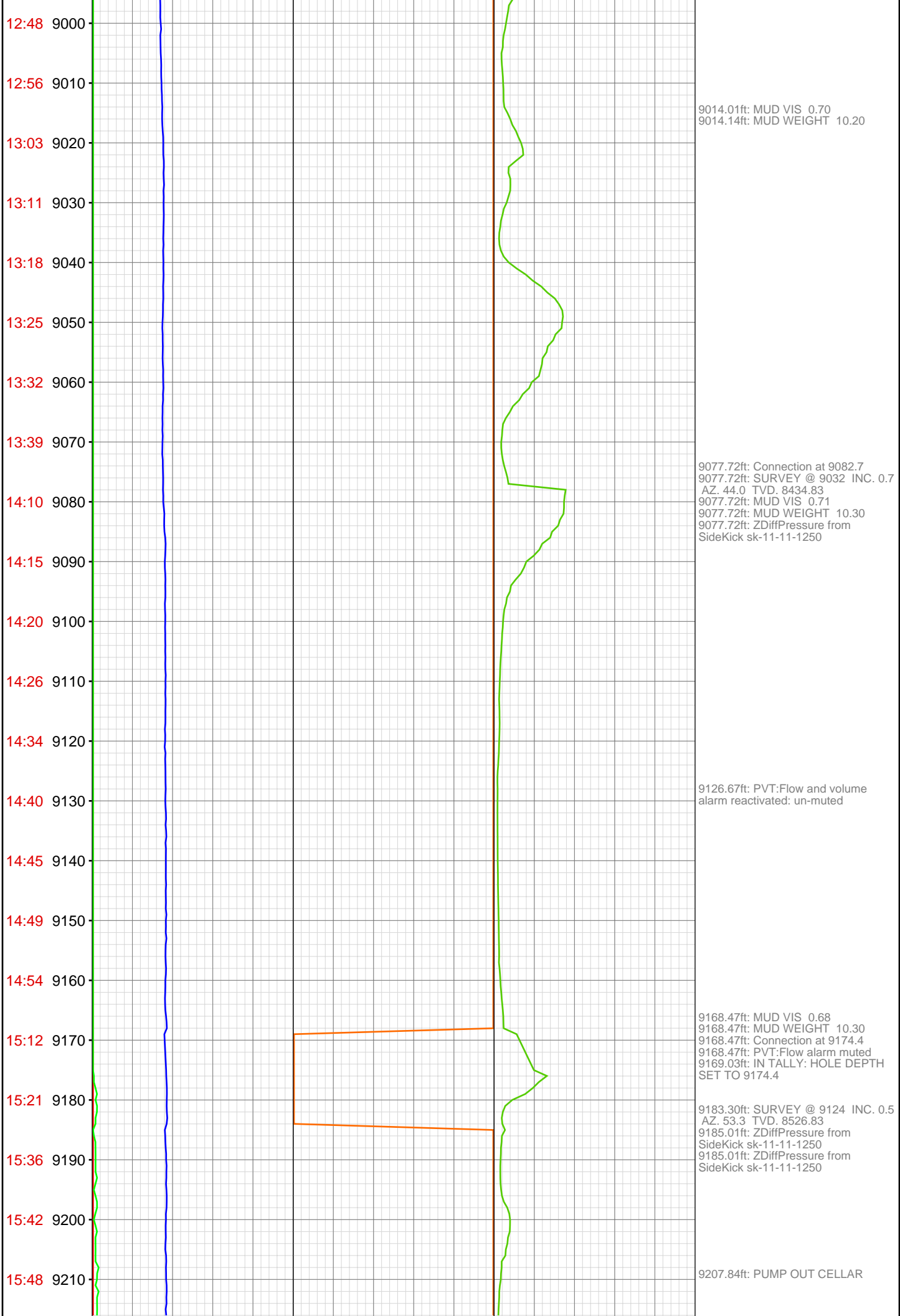




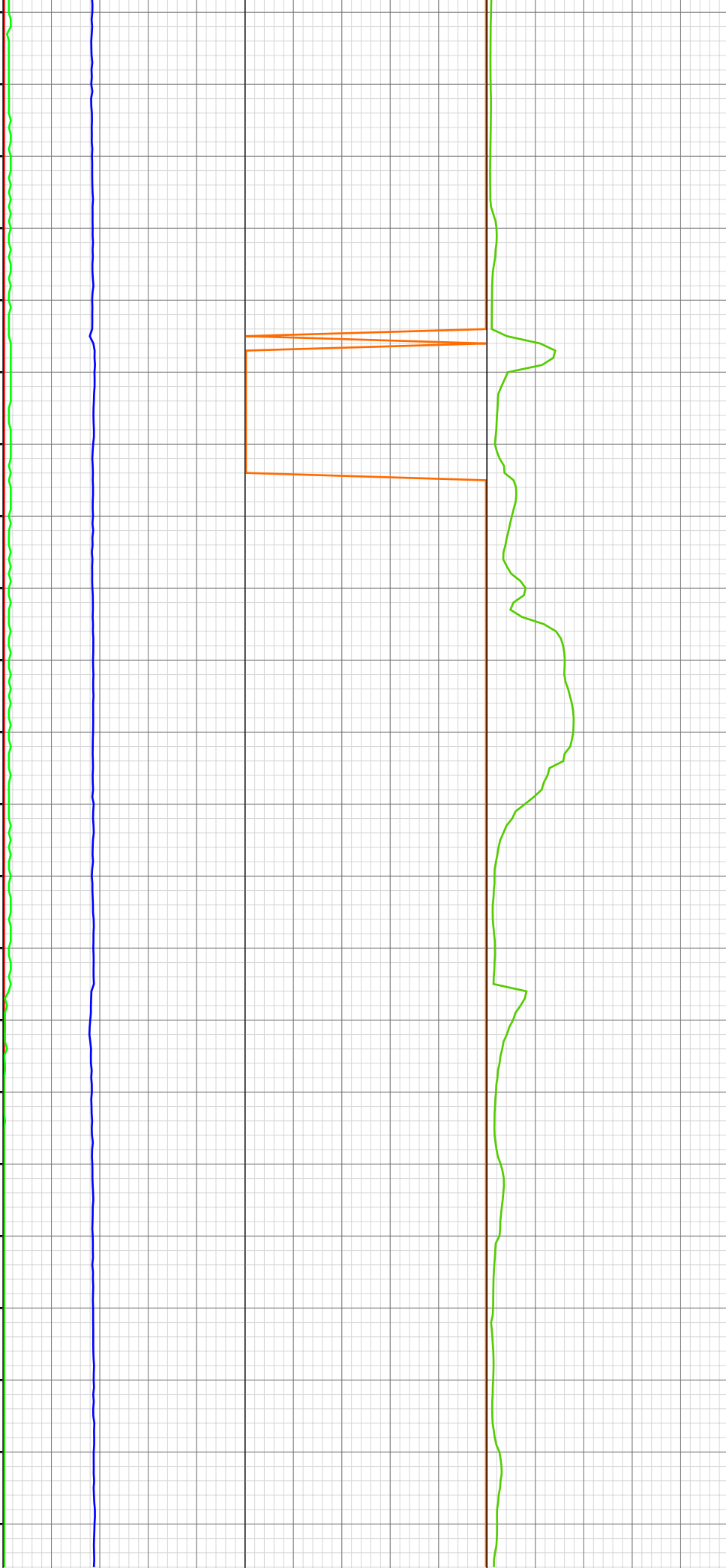








15:54 9220  
16:00 9230  
16:06 9240  
16:12 9250  
16:18 9260  
17:01 9270  
17:17 9280  
17:33 9290  
17:38 9300  
17:43 9310  
17:49 9320  
17:57 9330  
18:04 9340  
18:11 9350  
18:29 9360  
18:35 9370  
18:43 9380  
18:52 9390  
18:59 9400  
19:07 9410  
19:13 9420  
19:21 9430



9229.20ft: MUD VIS 0.69  
9229.66ft: MUD WEIGHT 10.40

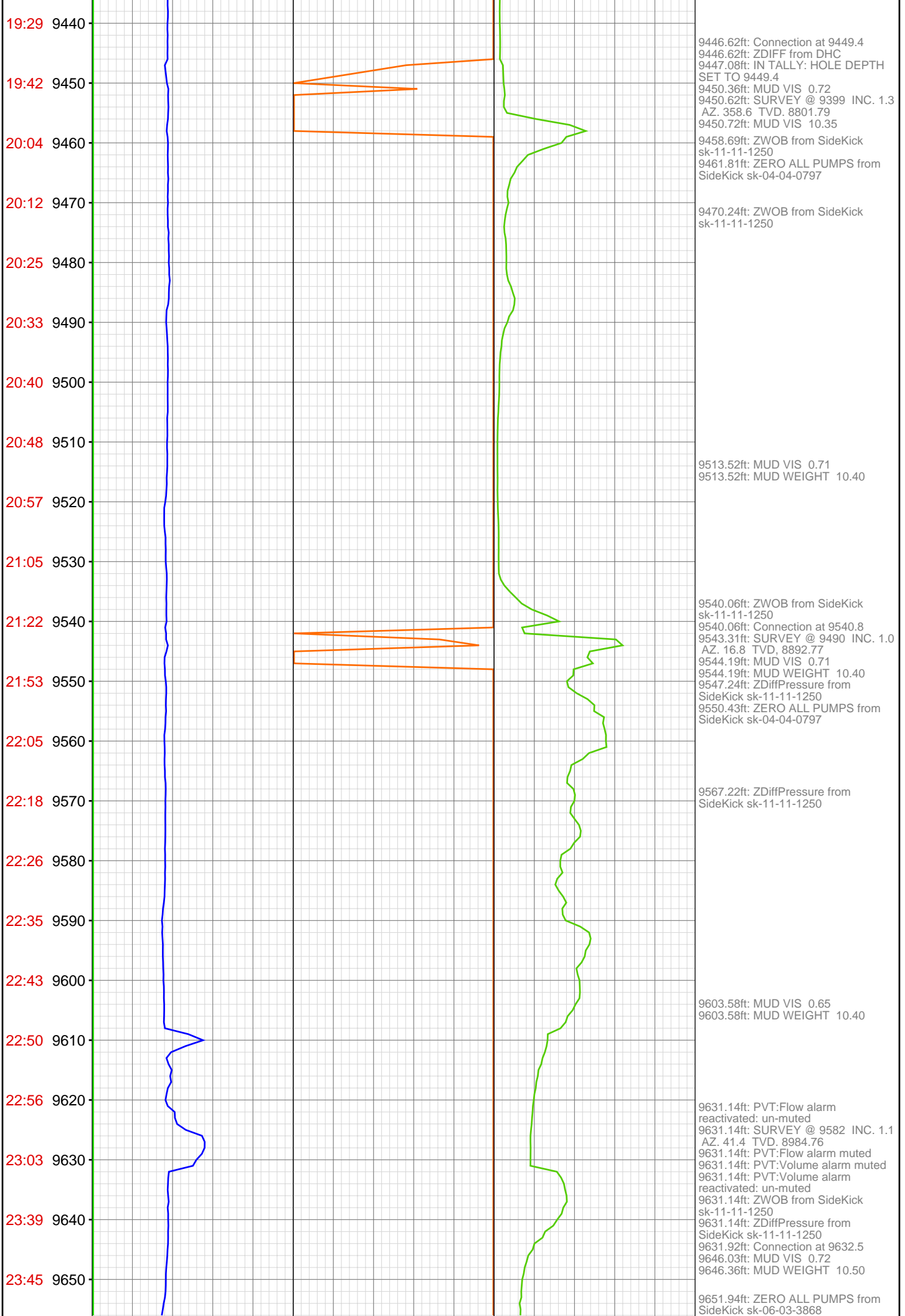
9264.53ft: SPR  
9264.53ft: RIG SERVICE  
9264.53ft: Connection at 9266.2  
9265.88ft: SURVEY @ 9216 INC. 0.3  
AZ. 99.3 TVD. 8618.82  
9268.67ft: MUD VIS 0.68  
9269.03ft: MUD WEIGHT 10.40

9284.74ft: ZDiffPressure from  
SideKick sk-11-11-1250

9338.75ft: TEST LEL  
9339.34ft: HGAS\_020: LOCATION1  
Low LEL Alarm  
9339.34ft: HGAS\_021: LOCATION1  
High LEL Alarm  
9339.34ft: HGAS\_004: Horn Muted  
9340.19ft: HGAS\_023: LOCATION2  
Low LEL Alarm  
9340.19ft: HGAS\_024: LOCATION2  
High LEL Alarm  
9340.19ft: HGAS\_004: Horn Muted  
9342.95ft: MUD VIS 0.65  
9342.95ft: MUD WEIGHT 10.40

9355.41ft: SURVEY @ 9307 INC. 1.3  
AZ. 18.4 TVD. 8709.81  
9355.41ft: ZDiffPressure from  
SideKick sk-11-11-1250  
9355.41ft: Connection at 9357.7

9383.50ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868  
9387.21ft: MUD VIS 0.65  
9387.27ft: MUD WEIGHT 10.40





23:54 9660

Jun 16, 2012

00:04 9670

00:16 9680

00:22 9690

00:31 9700

00:39 9710

00:51 9720

01:13 9730

01:22 9740

01:28 9750

01:34 9760

01:41 9770

01:48 9780

01:54 9790

01:59 9800

02:07 9810

02:25 9820

02:33 9830

02:42 9840

02:49 9850

02:55 9860

03:02 9870

9711.12ft: MUD VIS 0.71  
9711.12ft: MUD WEIGHT 10.50  
9722.54ft: PVT:Volume alarm  
snoozed 5 min  
9722.54ft: ZWOB from SideKick  
sk-11-11-1250  
9722.54ft: SURVEY @9674 INC 1.2  
AZI 51.9 TVD 9076.74  
9722.54ft: PVT:Volume alarm  
reactivated: snooze expired  
9722.54ft: Connection at 9724.1  
9722.54ft: ZDiffPressure from  
SideKick sk-11-11-1250  
9722.54ft: Connection at 9861.5  
9724.61ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797  
9728.02ft: PVT:Volume alarm muted  
9733.17ft: PVT:Volume alarm  
reactivated: un-muted

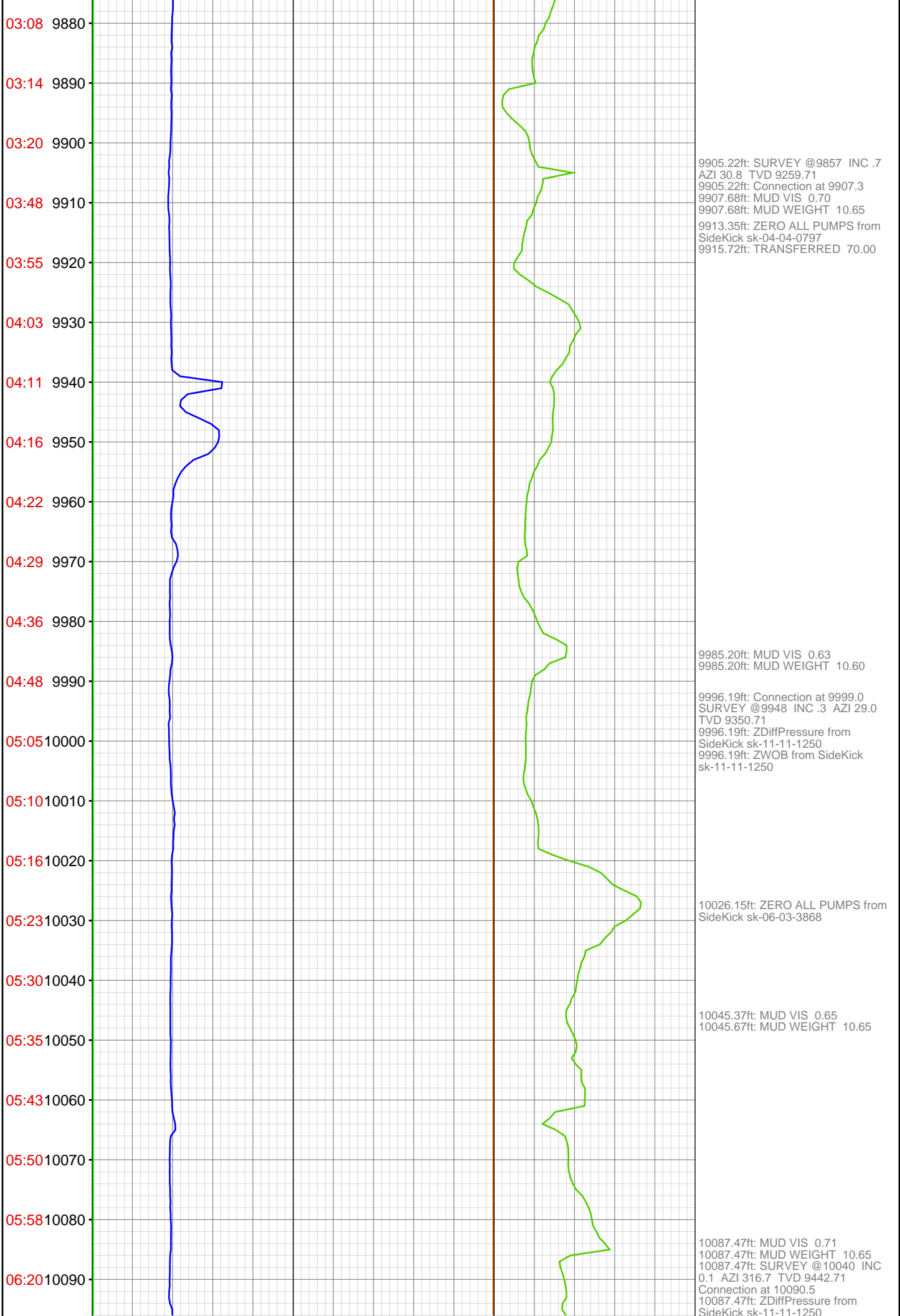
9749.15ft: 25/GPM FRESHWATER

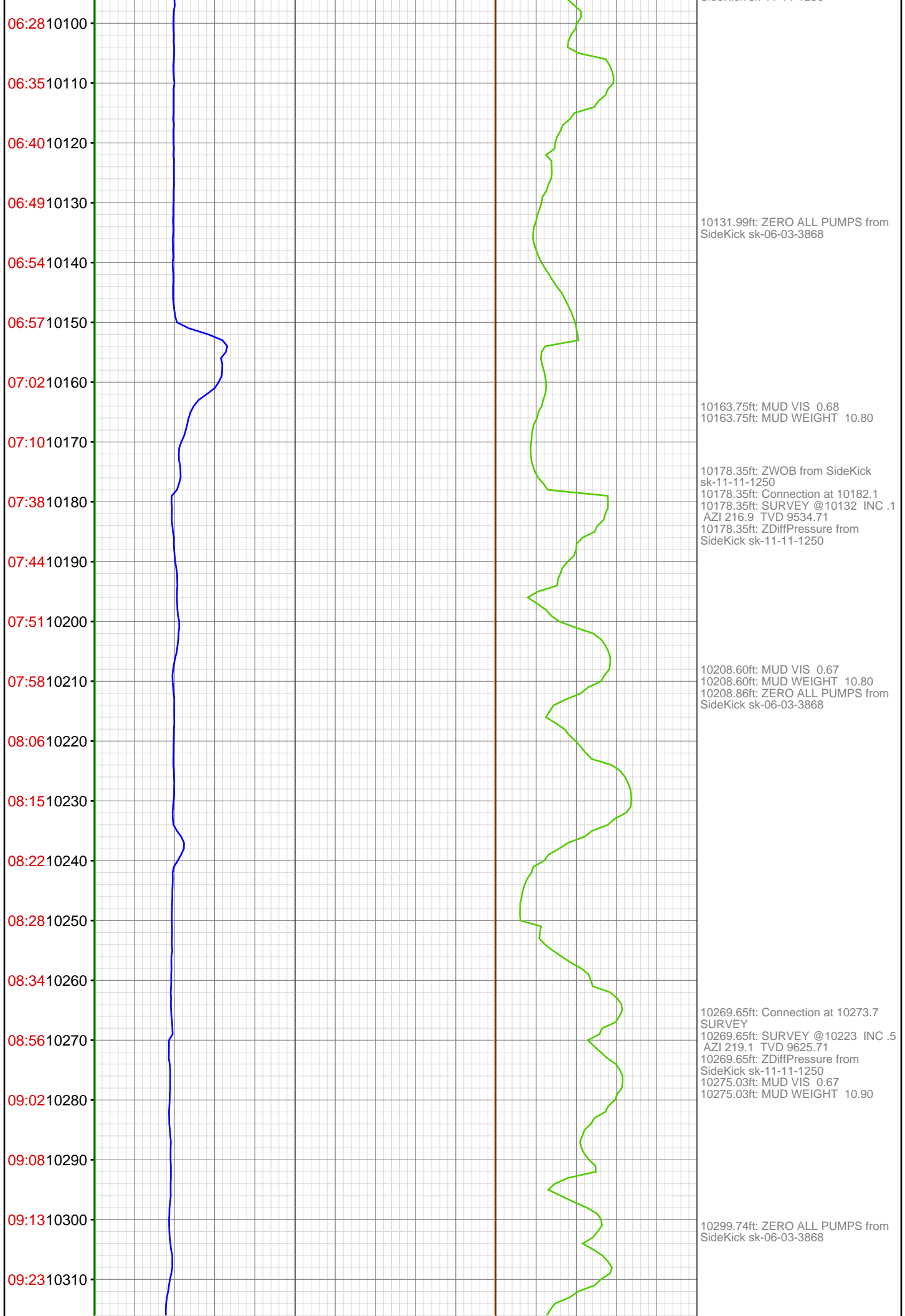
9760.63ft: MUD VIS 0.75  
9760.86ft: MUD WEIGHT 10.65

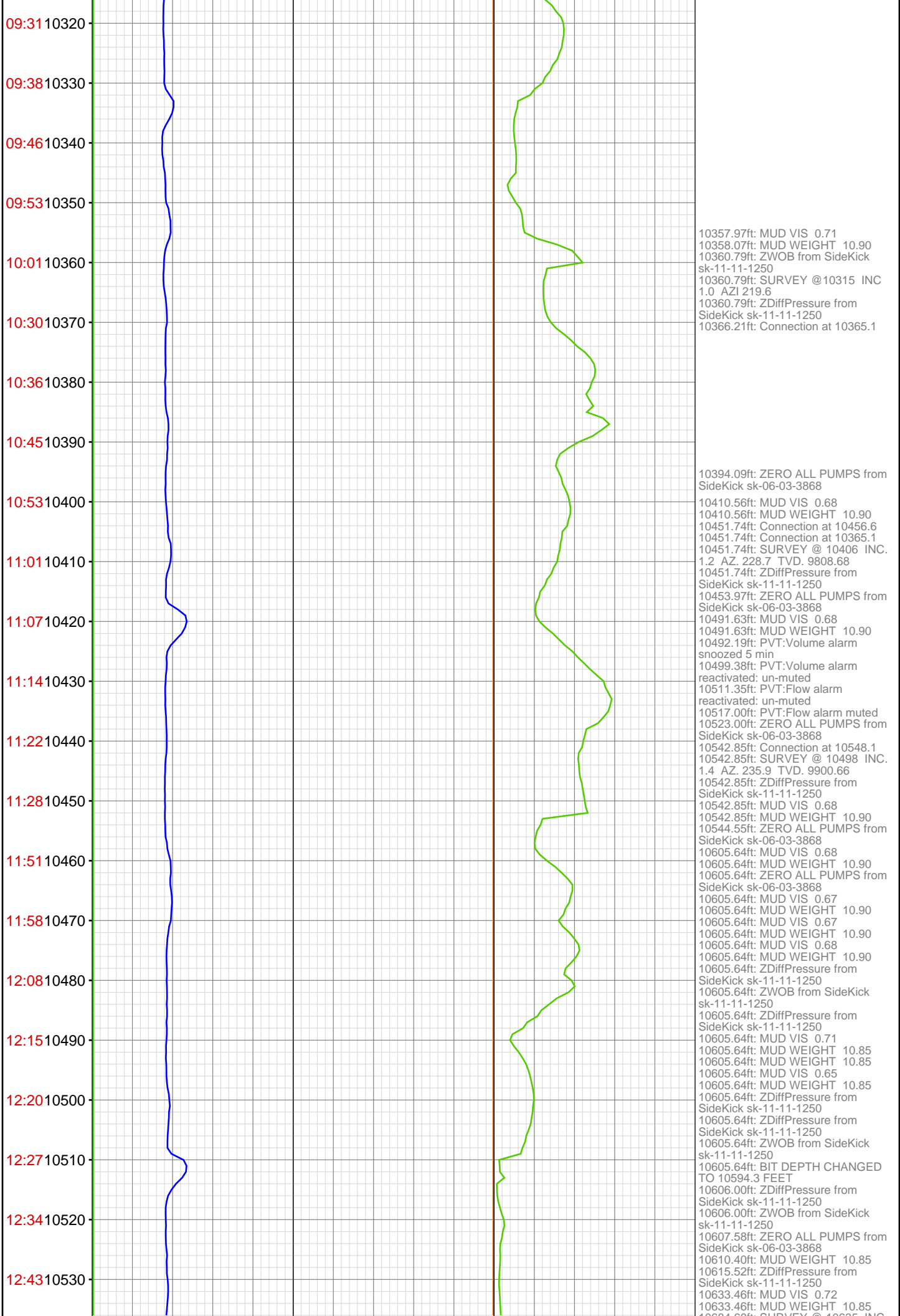
9813.78ft: PVT:Volume alarm  
snoozed 5 min  
9813.78ft: SURVEY @9765 INC 1.0  
AZI 50.2 TVD 9167.72  
9813.78ft: ZDiffPressure from  
SideKick sk-11-11-1250  
9813.78ft: PVT:Volume alarm  
reactivated: snooze expired  
9813.78ft: Connection at 9815.6  
9821.16ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868

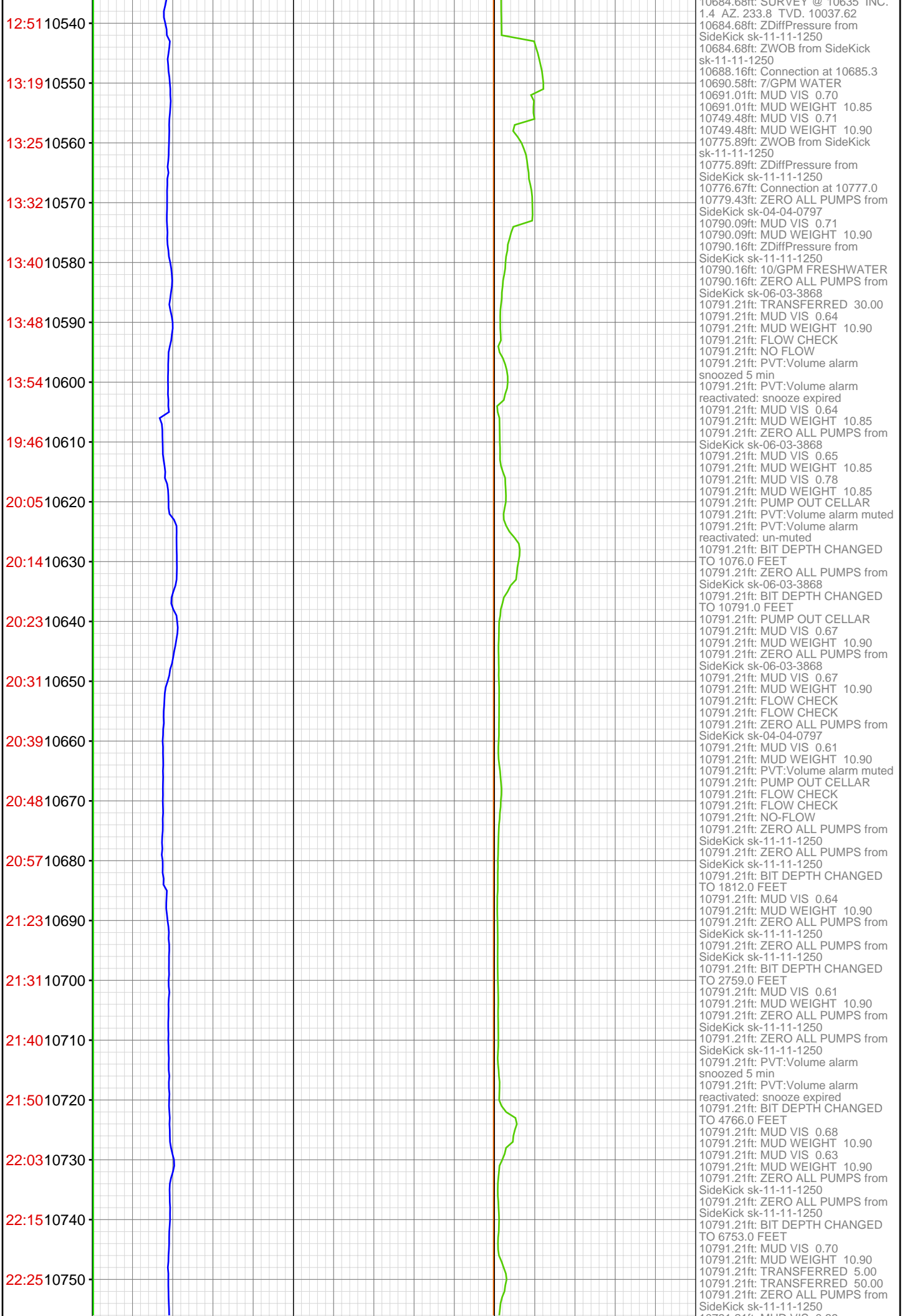
9836.38ft: MUD VIS 0.68  
9836.52ft: MUD WEIGHT 10.60











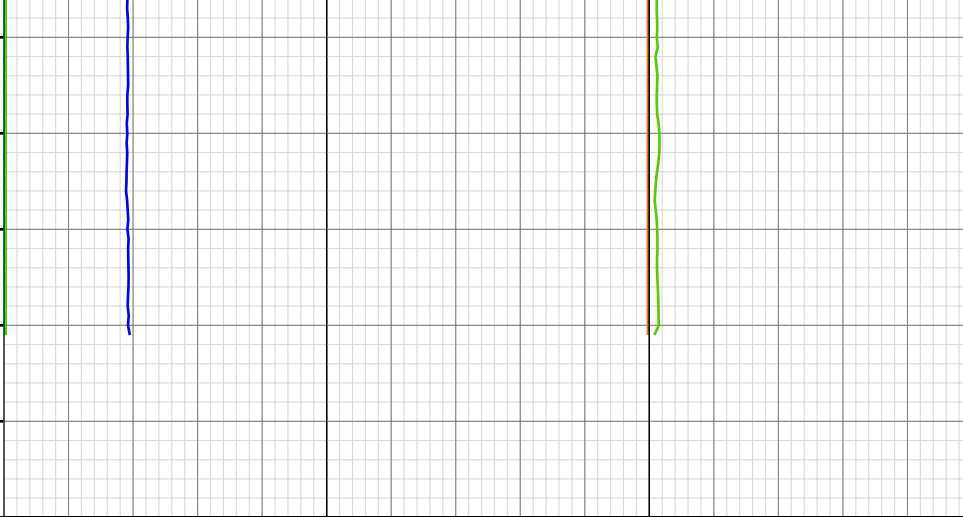
22:34 10760

22:43 10770

23:07 10780

10790

10800



10791.21ft: MUD VIS 0.69  
10791.21ft: MUD WEIGHT 10.90  
10791.21ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10791.21ft: MUD VIS 0.68  
10791.21ft: MUD WEIGHT 10.90  
10791.21ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10791.21ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10791.21ft: MUD VIS 0.64  
10791.21ft: MUD WEIGHT 10.90  
10791.21ft: PUMP OUT CELLAR  
10791.21ft: MUD VIS 0.60  
10791.21ft: MUD WEIGHT 10.90  
10791.21ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10791.21ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10791.21ft: MUD VIS 0.60  
10791.21ft: MUD WEIGHT 10.90  
10791.21ft: ZERO ALL PUMPS from  
SideKick sk-11-11-1250  
10791.21ft: MUD VIS 0.60  
10791.21ft: MUD WEIGHT 10.90  
10791.21ft: PVT:Volume alarm muted  
10791.21ft: MUD VIS 0.55  
10791.21ft: MUD WEIGHT 10.90