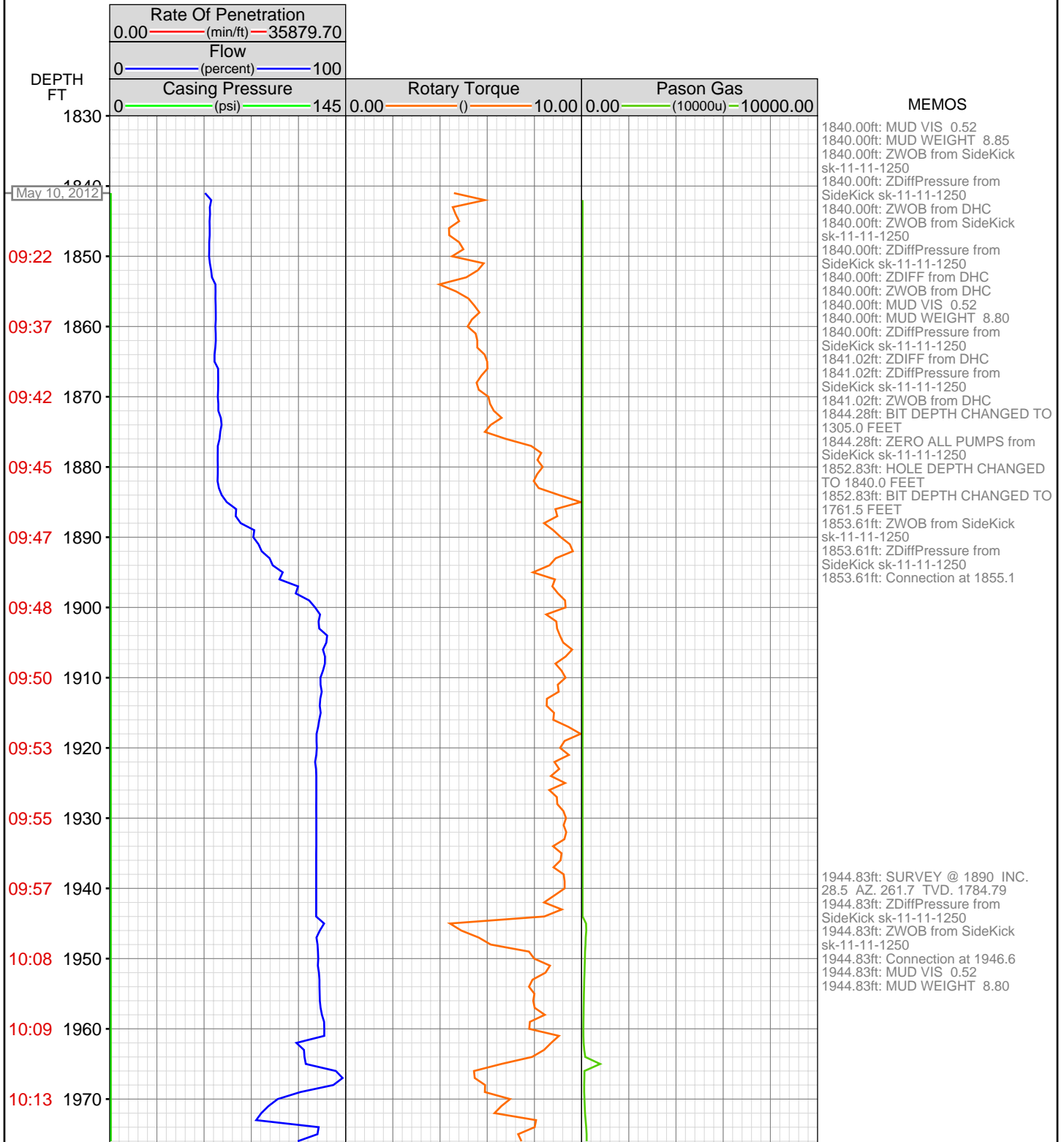


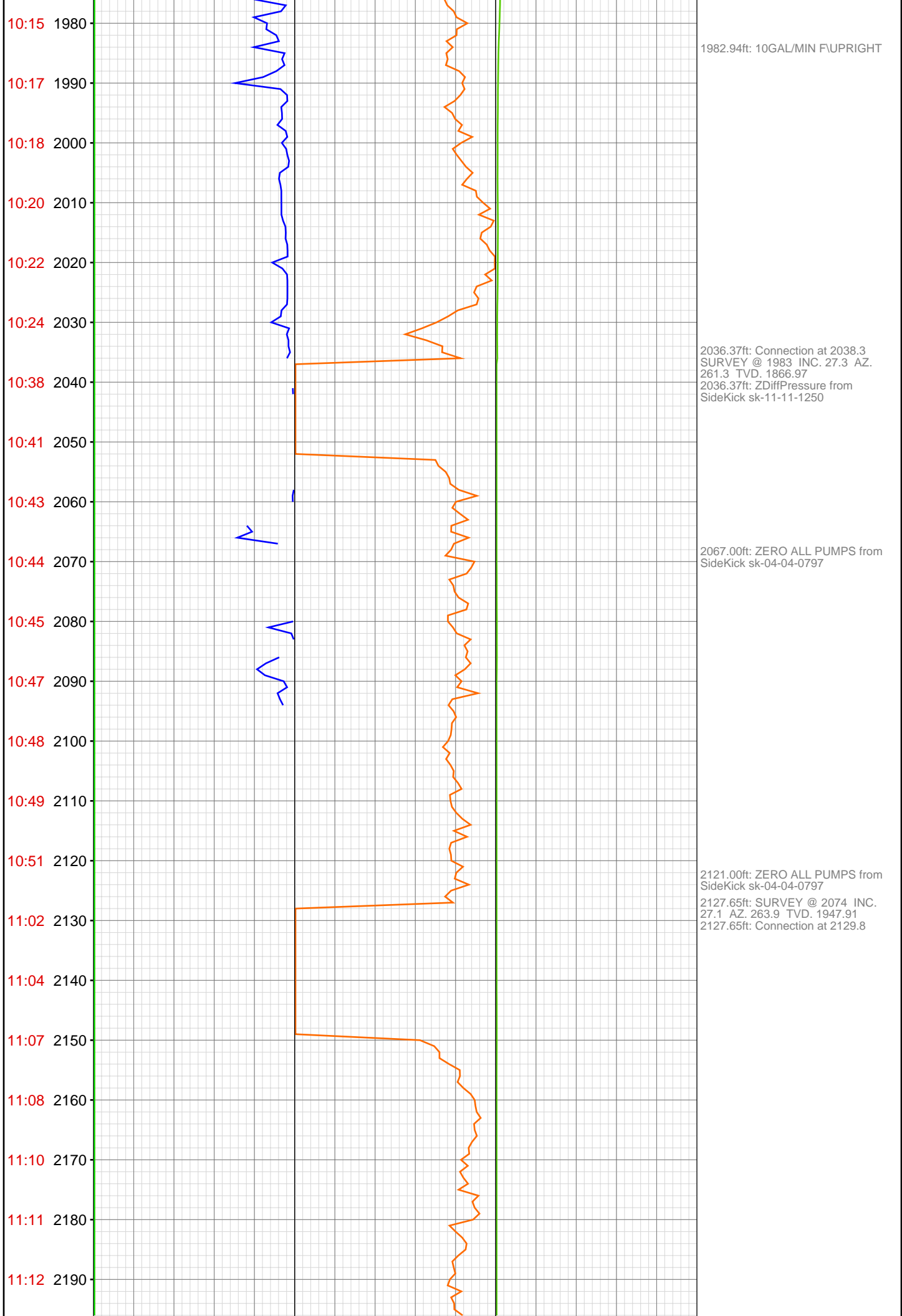
# DataHub EDR Log

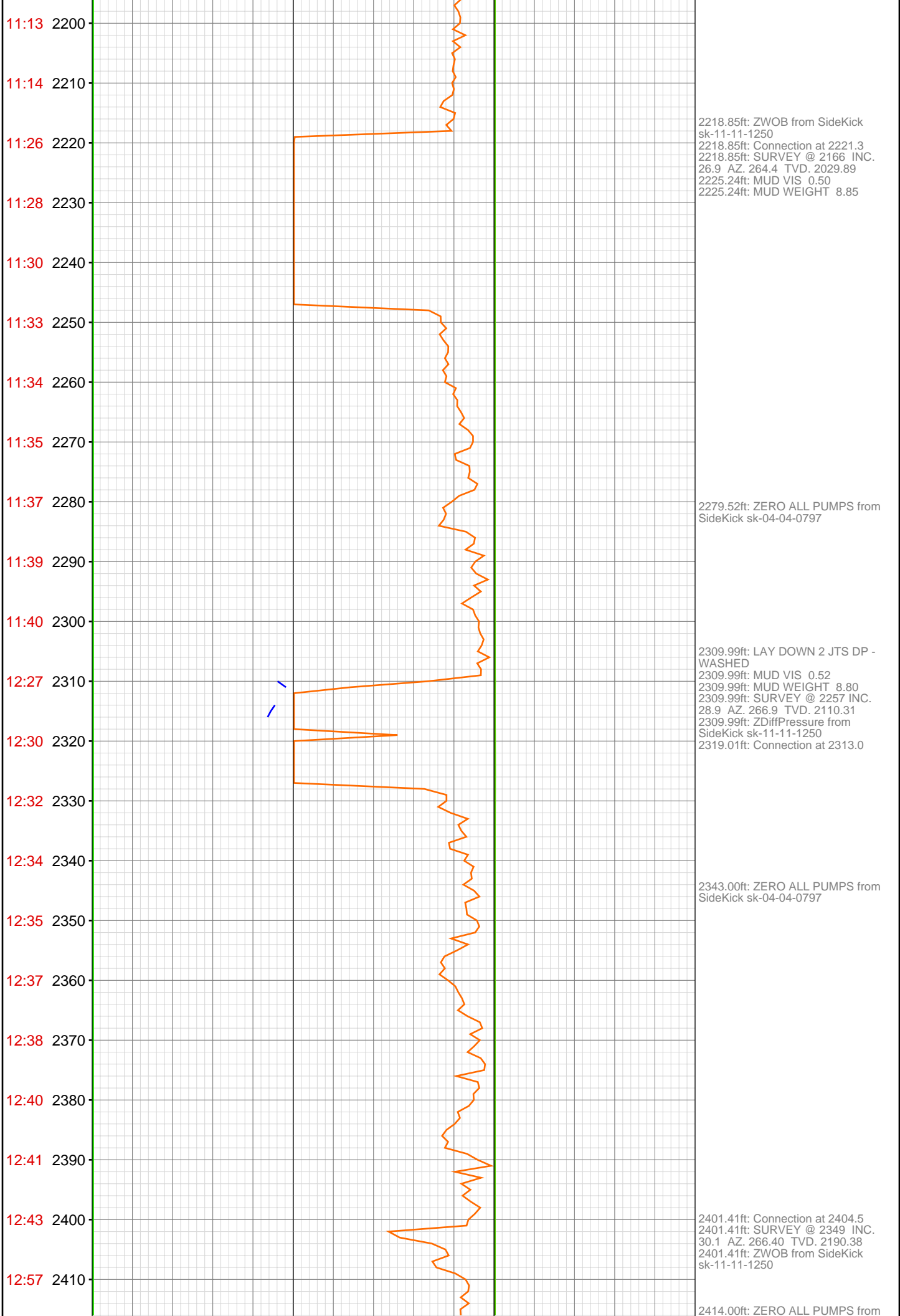
Thu May 17, 2012 08:36:06  
Well Dossier 1336610532  
Marilyn Tucker

**OPERATOR:** EnCana Oil & Gas (USA), Inc.  
**WELL:** NP EF 14E-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 20317 00  
**SPUD DATE:** May 10, 2012 09:30  
**RELEASE DATE:** May 16, 2012 06:00







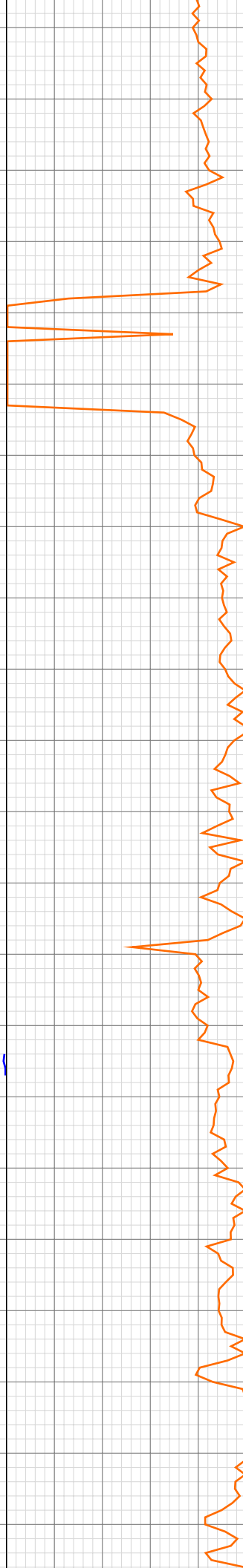
12:59 2420  
13:00 2430  
13:02 2440  
13:03 2450  
13:05 2460  
13:06 2470  
13:08 2480  
13:09 2490  
13:21 2500  
13:23 2510  
13:25 2520  
13:27 2530  
13:28 2540  
13:30 2550  
13:31 2560  
13:33 2570  
13:34 2580  
13:48 2590  
13:50 2600  
13:51 2610  
13:53 2620  
13:55 2630

2492.83ft: SURVEY @ 2440 INC.  
28.7 AZ. 265.2 TVD. 2269.66  
2492.83ft: ZDiffPressure from  
SideKick sk-11-11-1250  
2492.83ft: Connection at 2495.9  
2494.00ft: IN TALLY: HOLE DEPTH  
SET TO 2495.9  
2497.74ft: MUD VIS 0.54  
2497.74ft: MUD WEIGHT 8.90

2528.17ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797

2586.06ft: SURVEY @ 2532 INC.  
30.3 AZ. 267.8 TVD. 2349.73  
2586.06ft: HOOKLOAD WAS  
RECALIBRATED  
2586.06ft: HOOK LOAD  
THRESHOLD RECALIBRATED TO  
43  
2586.06ft: ZDiffPressure from  
SideKick sk-11-11-1250  
2586.06ft: ZWOB from DHC  
2586.20ft: Connection at 2587.5

13:56 2640  
13:58 2650  
13:59 2660  
14:01 2670  
14:12 2680  
14:15 2690  
14:17 2700  
14:18 2710  
14:20 2720  
14:21 2730  
14:23 2740  
14:25 2750  
14:27 2760  
14:38 2770  
14:40 2780  
14:41 2790  
14:43 2800  
14:45 2810  
14:46 2820  
14:48 2830  
14:50 2840  
14:52 2850

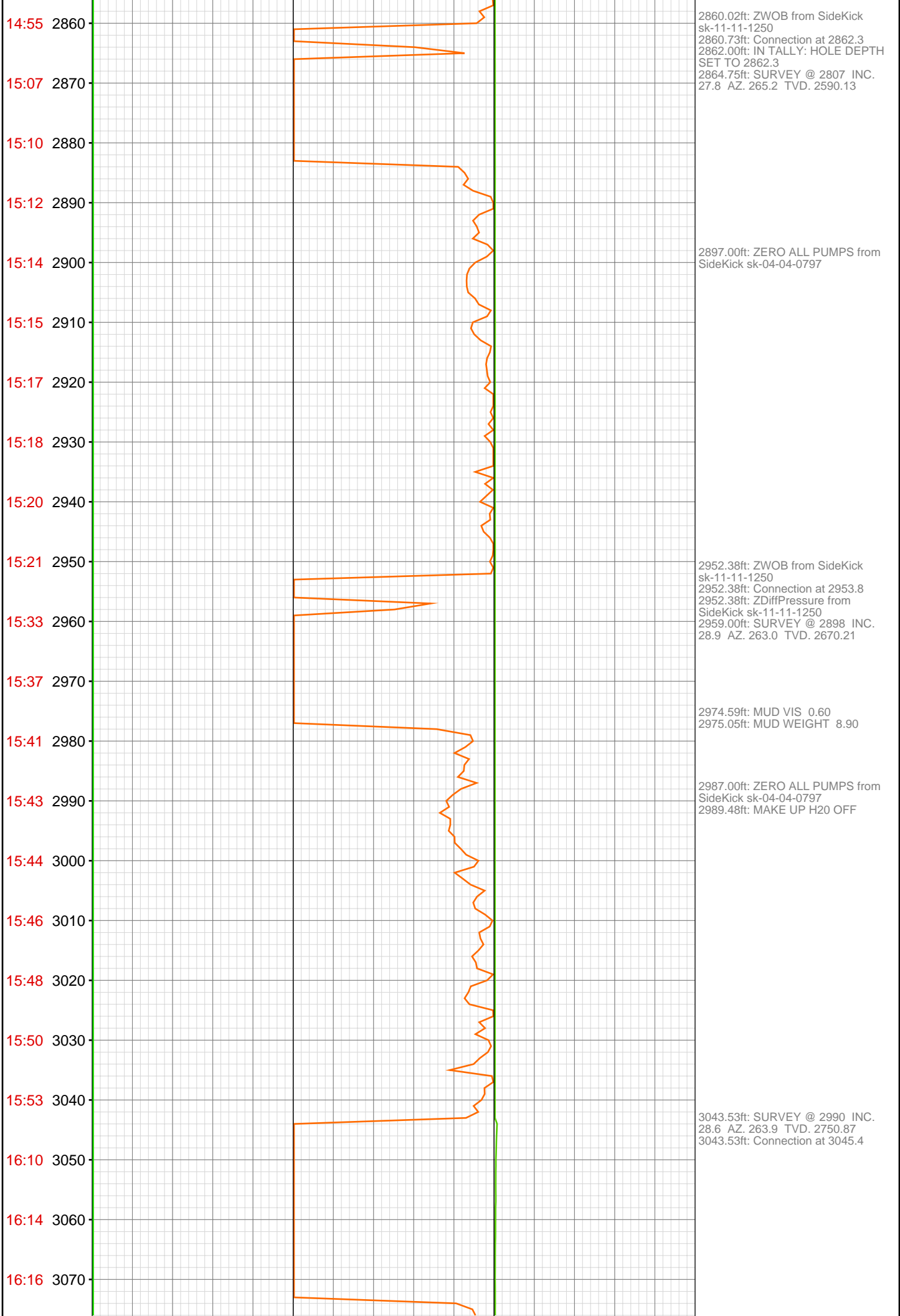


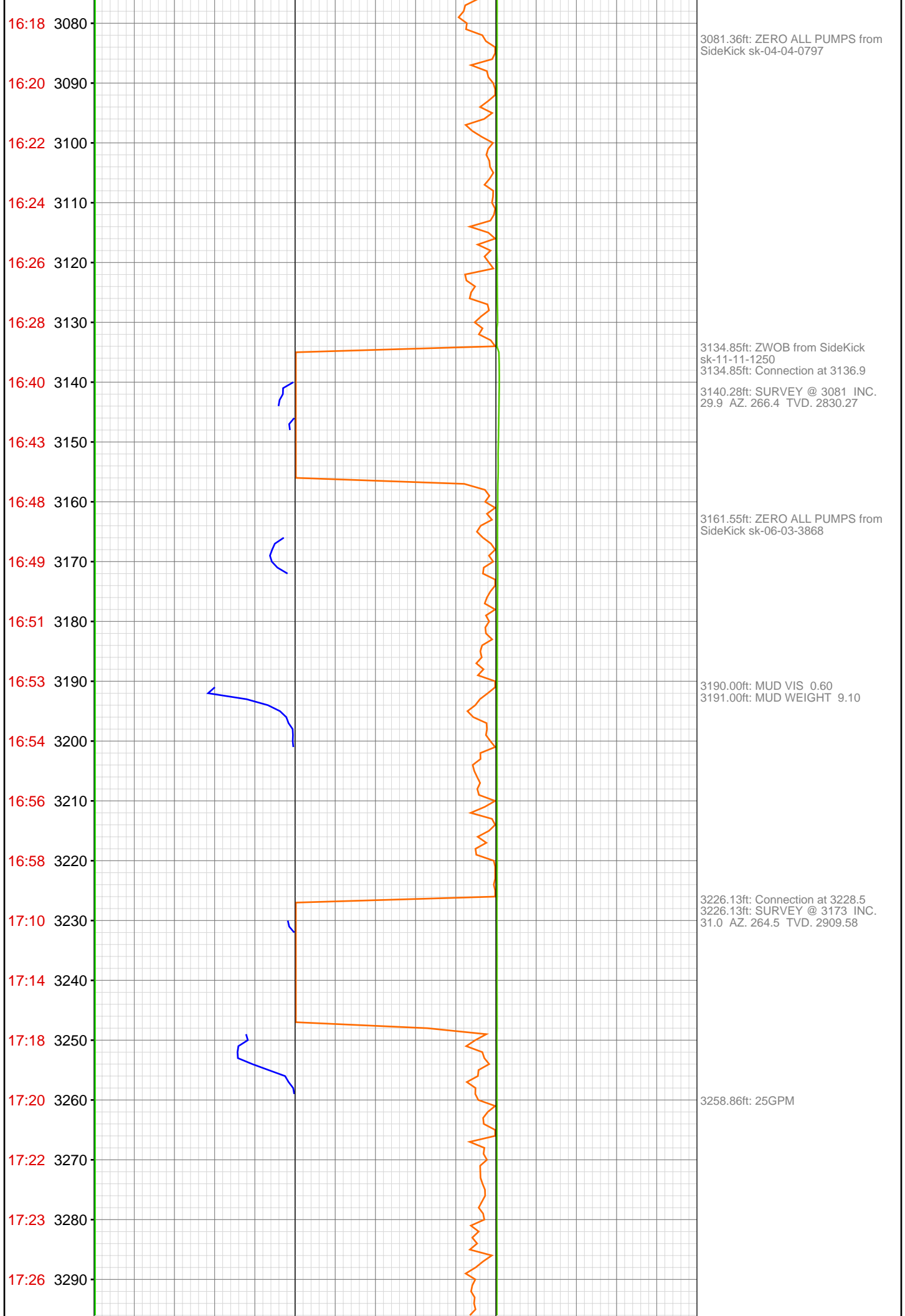
2677.34ft: ZDiffPressure from  
SideKick sk-11-11-1250  
2677.34ft: Connection at 2679.0

2689.00ft: SURVEY @ 2624 INC.  
28.9 AZ. 267.2 TVD. 2429.72

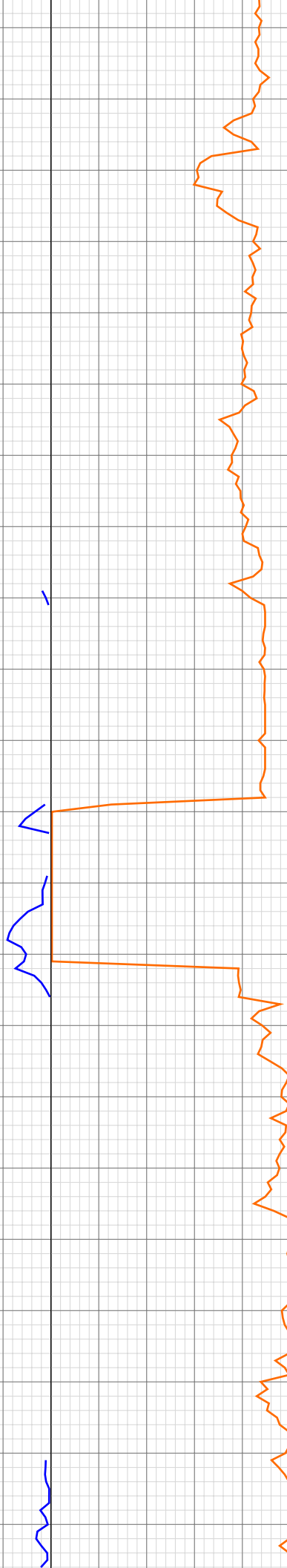
2768.00ft: MUD VIS 0.55  
2768.00ft: MUD WEIGHT 8.90  
2768.78ft: ZWOB from SideKick  
sk-11-11-1250  
2768.78ft: ZWOB from SideKick  
sk-11-11-1250  
2768.78ft: SURVEY @ 2715 INC.  
29.2 AZ. 266.1 TVD. 2509.28  
2768.78ft: ZDiffPressure from  
SideKick sk-11-11-1250  
2768.80ft: Connection at 2770.5

2810.21ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797





17:28 3300  
17:30 3310  
17:47 3320  
17:50 3330  
17:53 3340  
17:55 3350  
17:59 3360  
18:03 3370  
18:06 3380  
18:07 3390  
18:09 3400  
18:19 3410  
18:22 3420  
18:25 3430  
18:28 3440  
18:30 3450  
18:31 3460  
18:34 3470  
18:36 3480  
18:38 3490  
18:40 3500  
18:51 3510



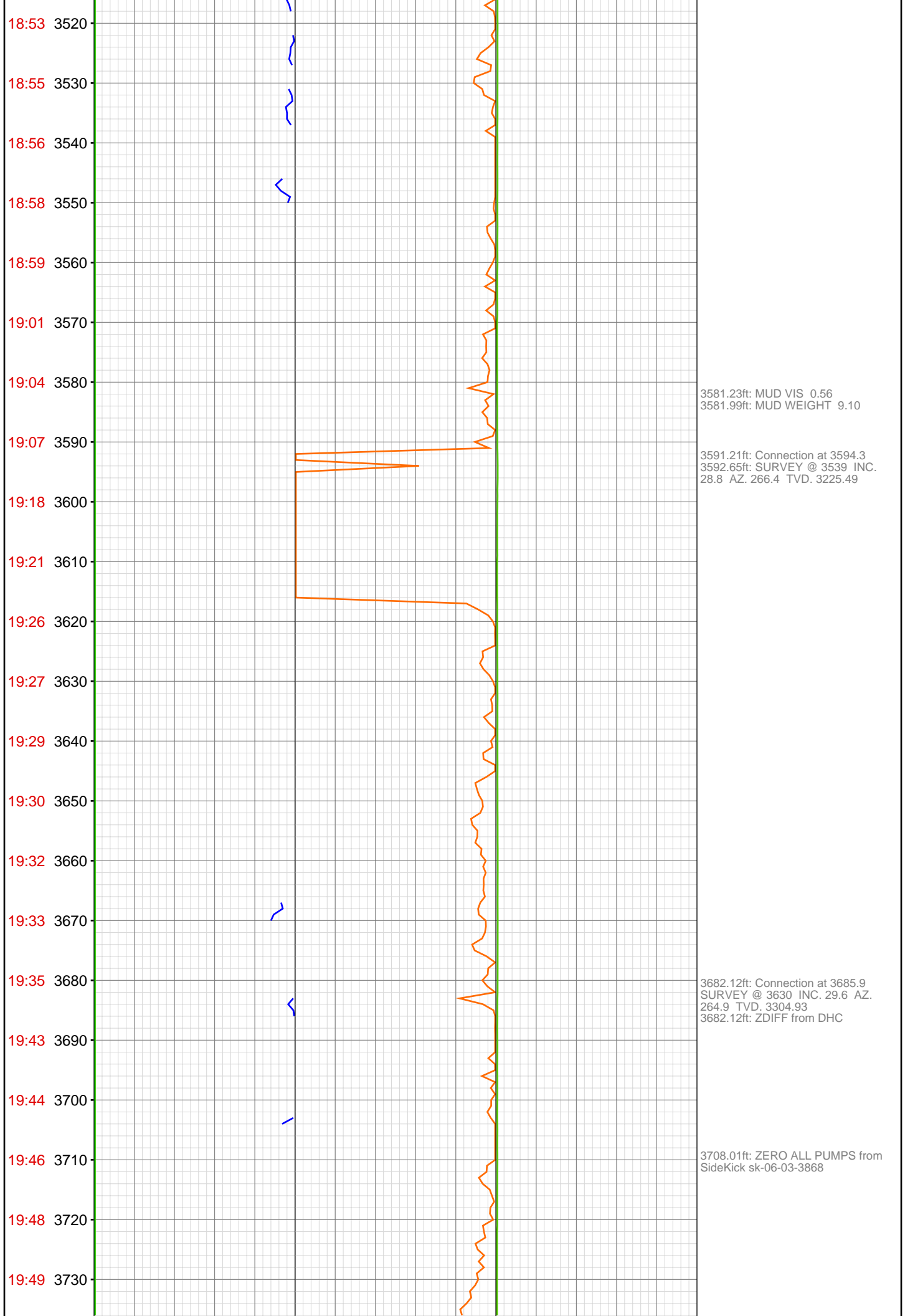
3317.39ft: SURVEY @ 3264 INC.  
31.2 AZ. 265.9 TVD. 2987.50  
3317.39ft: ZWOB from SideKick  
sk-11-11-1250  
3317.39ft: ZDiffPressure from  
SideKick sk-11-11-1250  
3319.65ft: Connection at 3319.9

3348.00ft: MUD VIS 0.62  
3348.20ft: MUD WEIGHT 9.10

3408.83ft: ZWOB from DHC  
3408.83ft: MUD VIS 0.58  
3408.83ft: MUD WEIGHT 9.10  
3408.83ft: Connection at 3411.3  
3408.83ft: SURVEY @ 3356 INC.  
29.8 AZ. 265.6 TVD. 3066.77  
3408.83ft: ZDiffPressure from  
SideKick sk-11-11-1250

3500.07ft: SURVEY @ 3447 INC.  
30.4 AZ. 266.6 TVD. 3145.50  
3500.07ft: Connection at 3502.7  
3500.07ft: ZDIFF from DHC





19:51 3740  
19:52 3750  
19:54 3760  
19:55 3770  
20:04 3780  
20:07 3790  
20:09 3800  
20:13 3810  
20:15 3820  
20:17 3830  
20:19 3840  
20:21 3850  
20:23 3860  
20:33 3870  
20:36 3880  
20:39 3890  
20:41 3900  
20:45 3910  
20:47 3920  
20:48 3930  
20:50 3940  
20:52 3950

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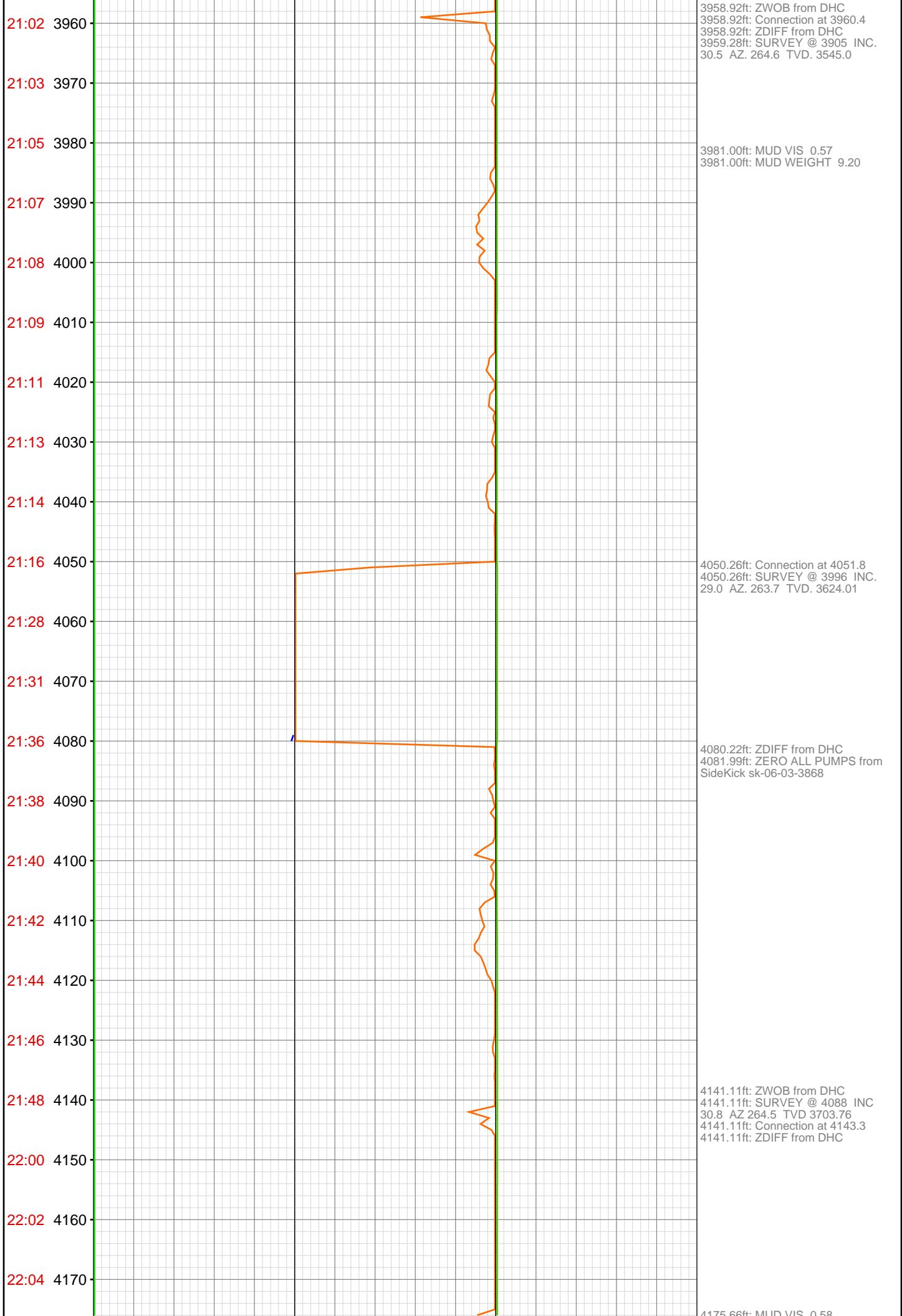
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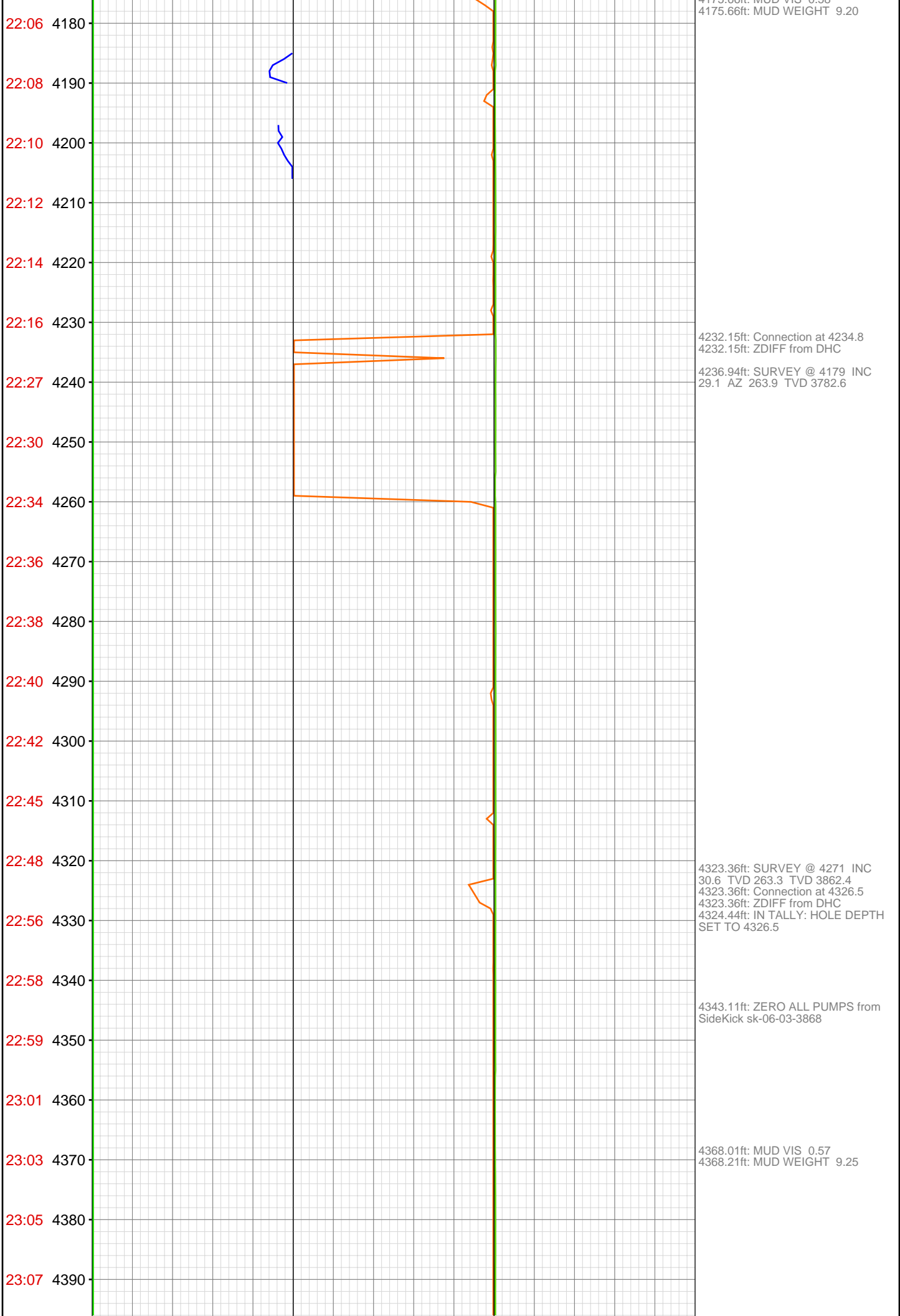
3773.36ft: MUD VIS 0.57  
3773.36ft: MUD WEIGHT 9.10  
3773.36ft: Connection at 3777.4  
3774.25ft: IN TALLY: HOLE DEPTH  
SET TO 3777.4  
3781.27ft: SURVEY @ 3722 INC.  
28.1 AZ. 263.0 TVD. 3385.51

3867.72ft: Connection at 3868.9

3878.48ft: SURVEY @ 3813 INC.  
29.4 AZ. 265.1 TVD. 3465.29

3906.00ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797





23:08 4400

23:10 4410

23:20 4420

23:25 4430

23:29 4440

23:33 4450

23:34 4460

23:36 4470

23:37 4480

23:39 4490

23:40 4500

23:49 4510

23:50 4520

23:52 4530

23:53 4540

23:55 4550

23:57 4560

23:59 4570

May 11, 2012

00:00 4580

00:02 4590

00:13 4600

00:16 4610

4416.40ft: ZWOB from DHC  
4416.40ft: Connection at 4418.0  
4416.57ft: ZDIFF from DHC

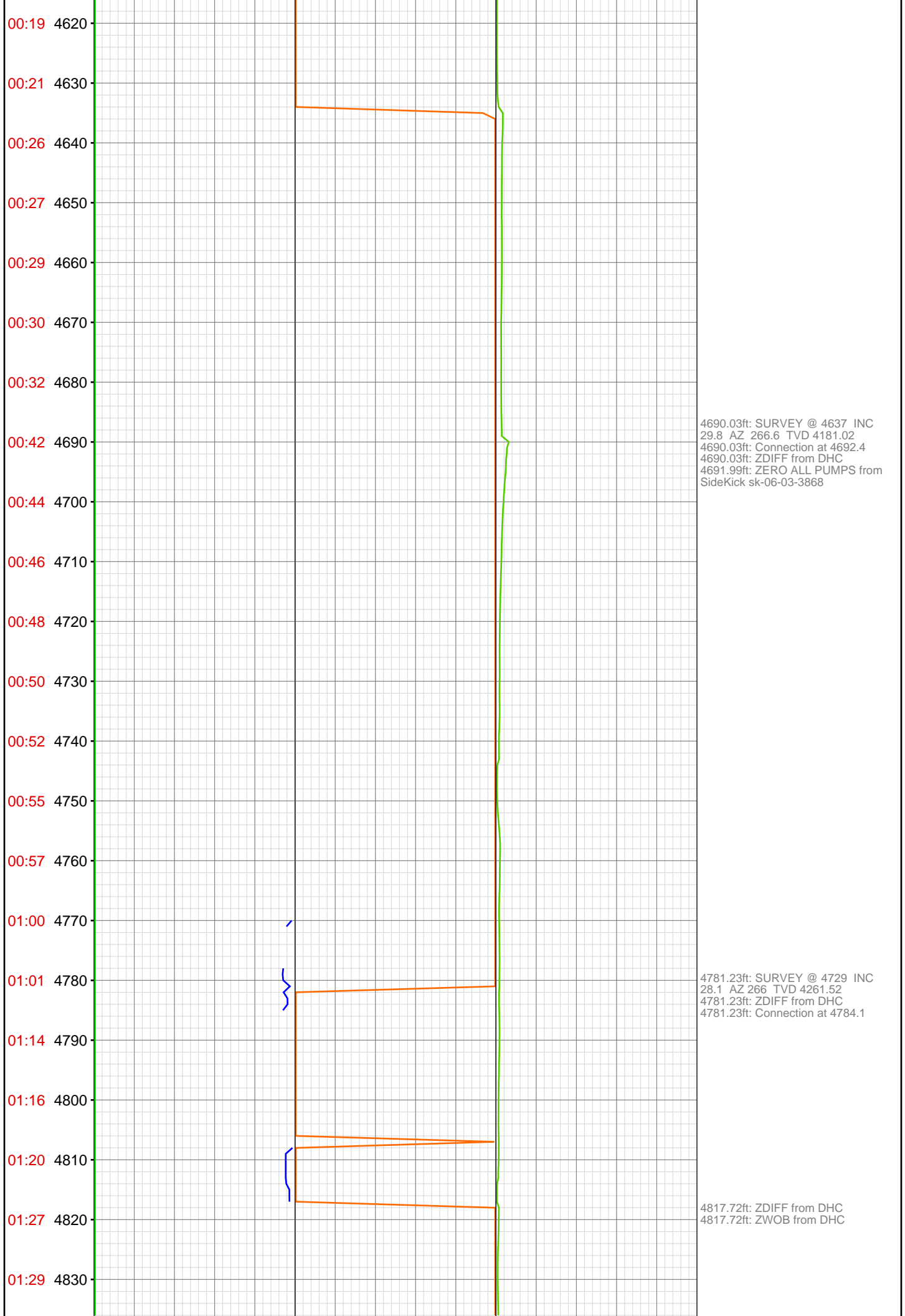
4422.57ft: SURVEY @ 4362 INC 29  
AZ 262.5 TVD 3941.36

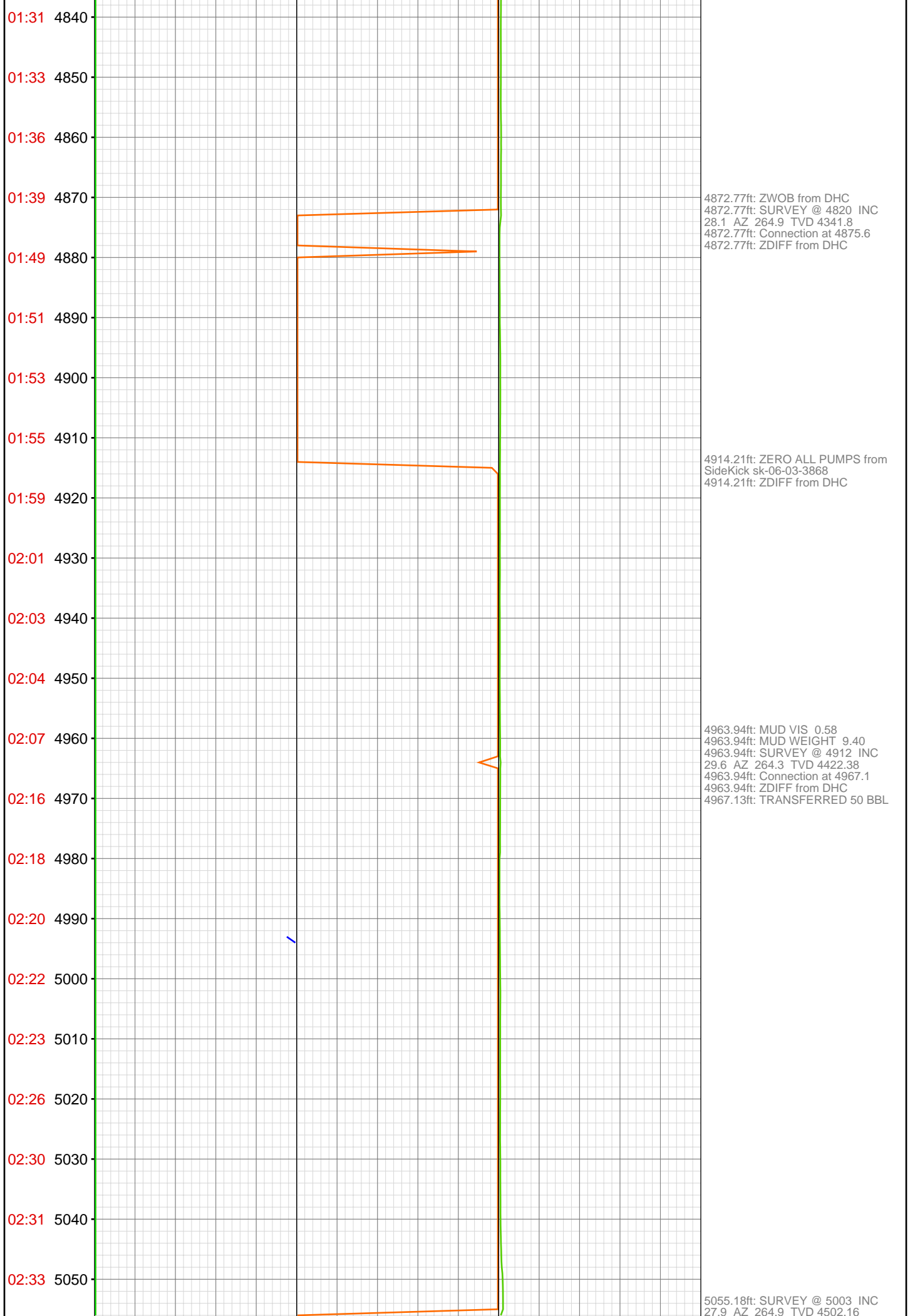
4448.69ft: ZDIFF from DHC  
4448.98ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797

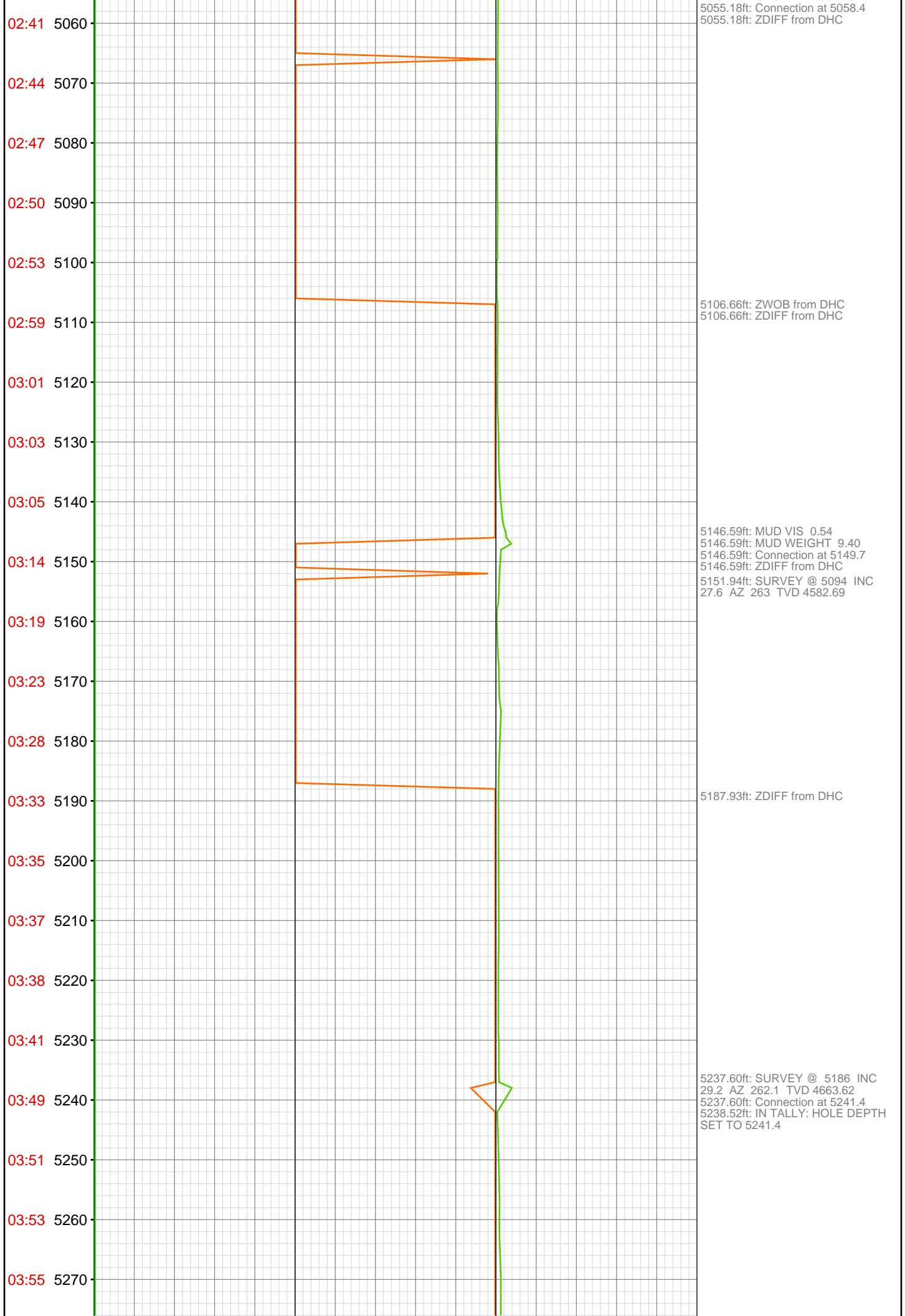
4507.68ft: SURVEY @ 4454 INC  
30.1 AZ 265.2 TVD 4021.4  
4507.68ft: Connection at 4509.5  
4507.68ft: ZDIFF from DHC

4565.29ft: MUD VIS 0.58  
4566.11ft: MUD WEIGHT 9.30

4598.79ft: SURVEY @ 4546 INC  
28.6 AZ 265.4 TVD 4101.59  
4598.79ft: Connection at 4601.1

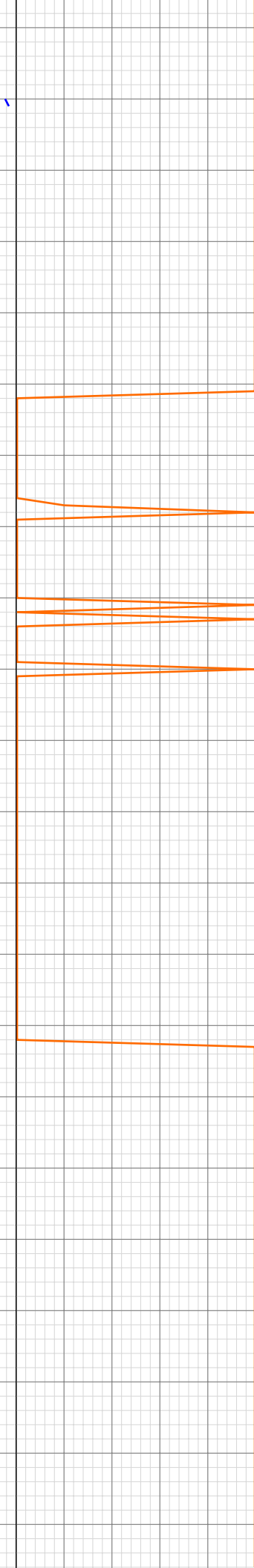








03:58 5280-  
04:00 5290-  
04:02 5300-  
04:04 5310-  
04:07 5320-  
04:08 5330-  
04:17 5340-  
04:19 5350-  
04:21 5360-  
04:24 5370-  
04:27 5380-  
04:29 5390-  
04:31 5400-  
04:34 5410-  
04:36 5420-  
04:49 5430-  
04:51 5440-  
04:53 5450-  
04:56 5460-  
05:02 5470-  
05:04 5480-  
05:06 5490-



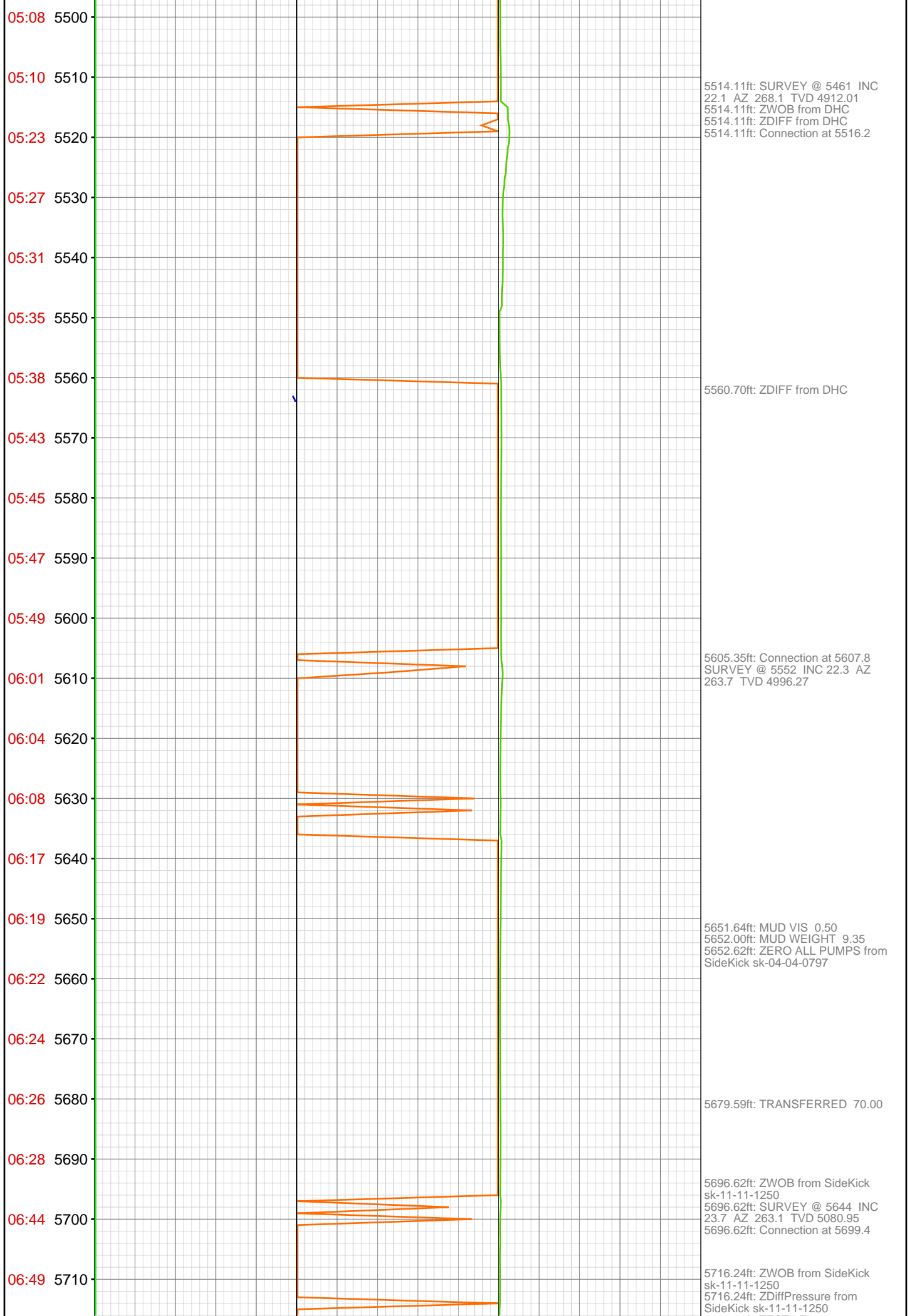
5312.57ft: MUD VIS 0.57  
5313.32ft: MUD WEIGHT 9.45

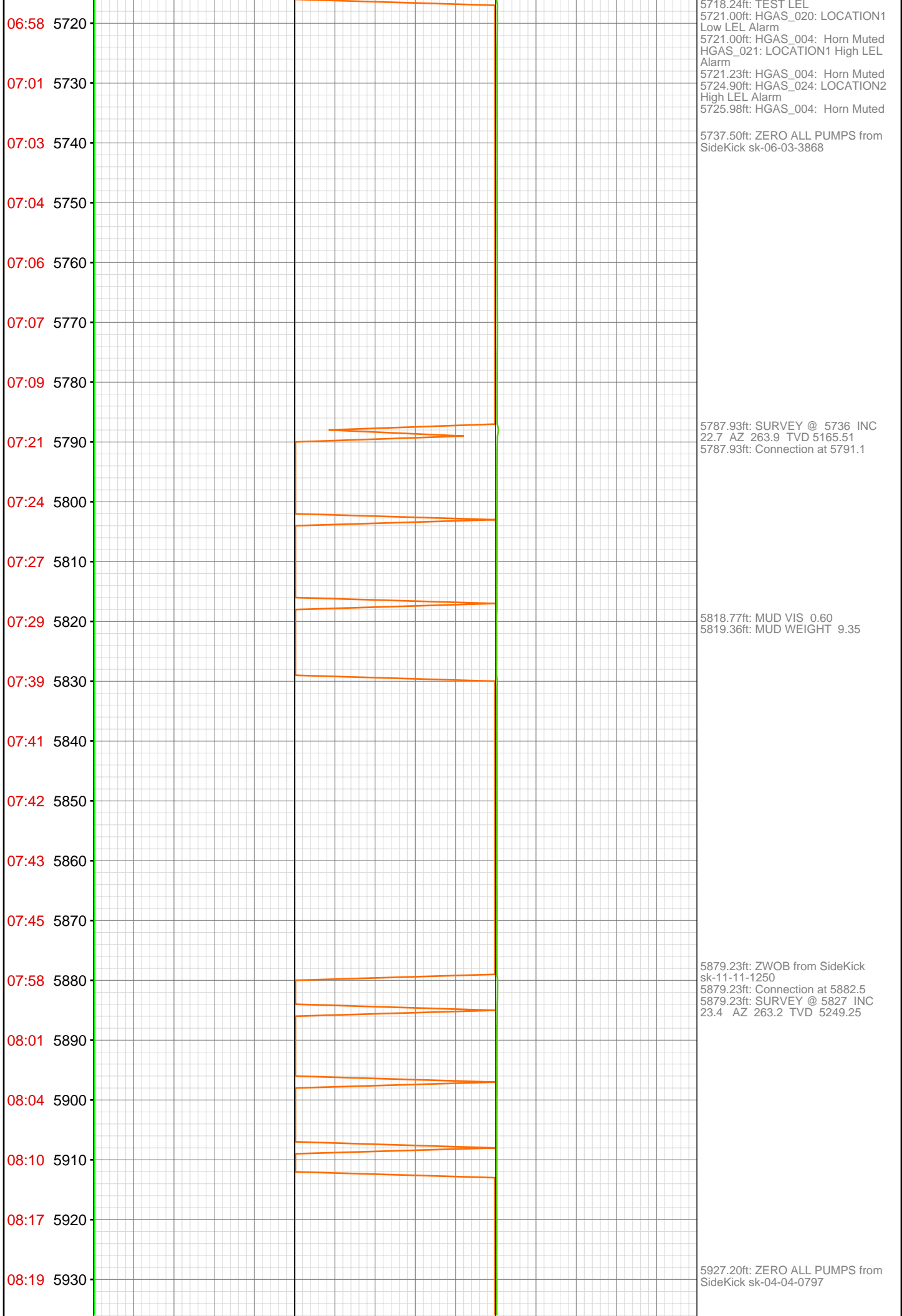
5331.69ft: Connection at 5333.0

5337.37ft: SURVEY @ 5278 INC  
27.4 AZ 261.3 TVD 4744.62

5422.90ft: SURVEY @ 5368 INC  
22.9 AZ 259.6 TVD 4826.06  
5422.90ft: ZDIFF from DHC  
5422.90ft: ZWOB from DHC  
5422.90ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868  
5427.85ft: Connection at 5424.7

5464.01ft: MUD VIS 0.57  
5464.24ft: MUD WEIGHT 9.40





08:21 5940

08:23 5950

08:24 5960

08:27 5970

08:52 5980

09:03 5990

09:21 6000

09:33 6010

09:42 6020

09:46 6030

09:49 6040

09:53 6050

09:57 6060

10:13 6070

10:24 6080

10:30 6090

10:38 6100

10:42 6110

10:45 6120

10:49 6130

10:53 6140

10:57 6150

✓

5970.31ft: ZWOB from SideKick  
sk-11-11-1250  
5970.31ft: Connection at 5974.1  
5970.31ft: MUD VIS 0.62  
5970.31ft: MUD WEIGHT 9.35  
5970.31ft: SURVEY @ 5919 INC.  
21.0 TVD. 267.5 TVD. 5334.43

6014.76ft: ZDIFF from DHC  
6014.76ft: ZDIFF from DHC

6024.70ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797

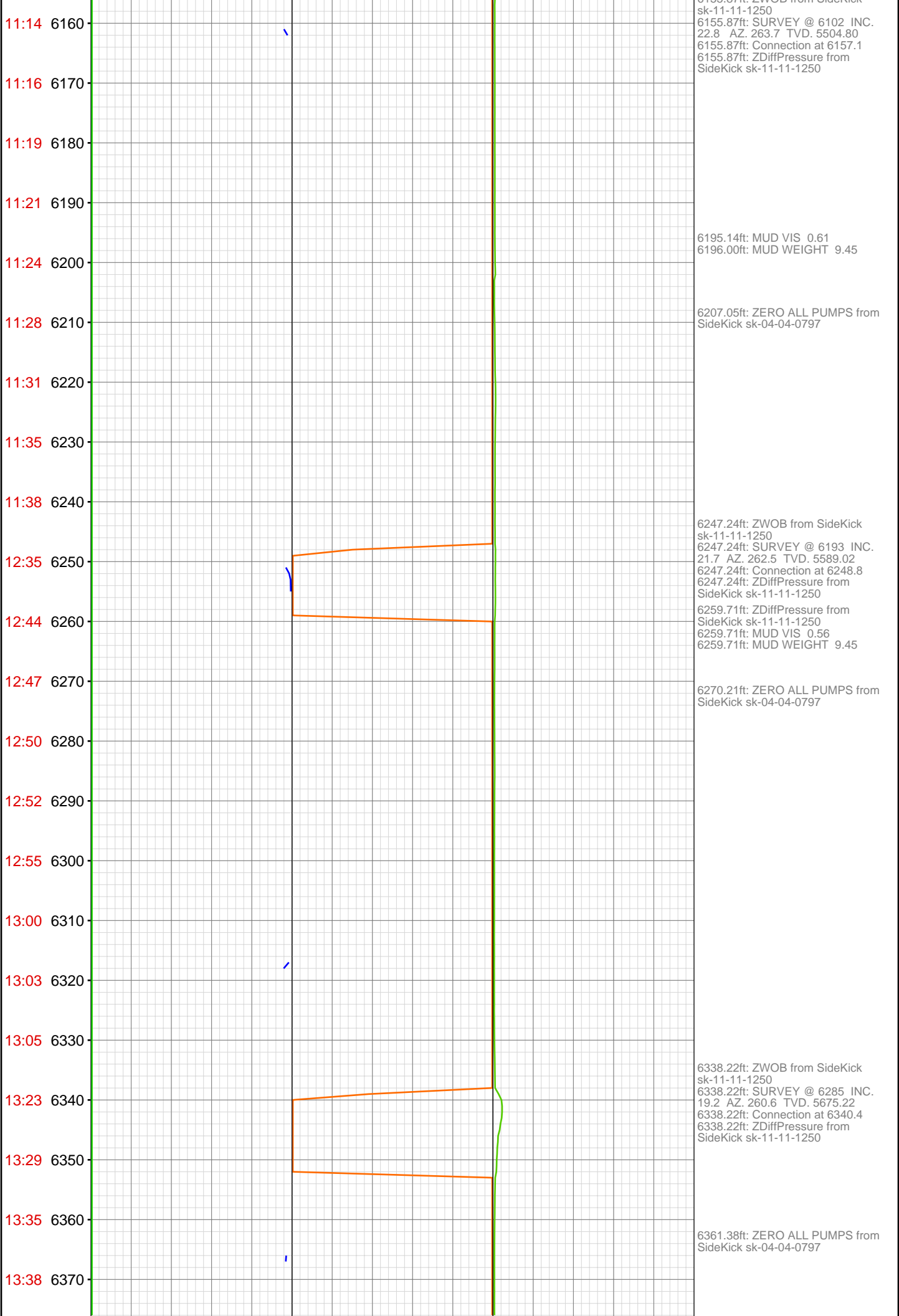
6046.26ft: MUD VIS 0.56  
6046.72ft: MUD WEIGHT 9.35

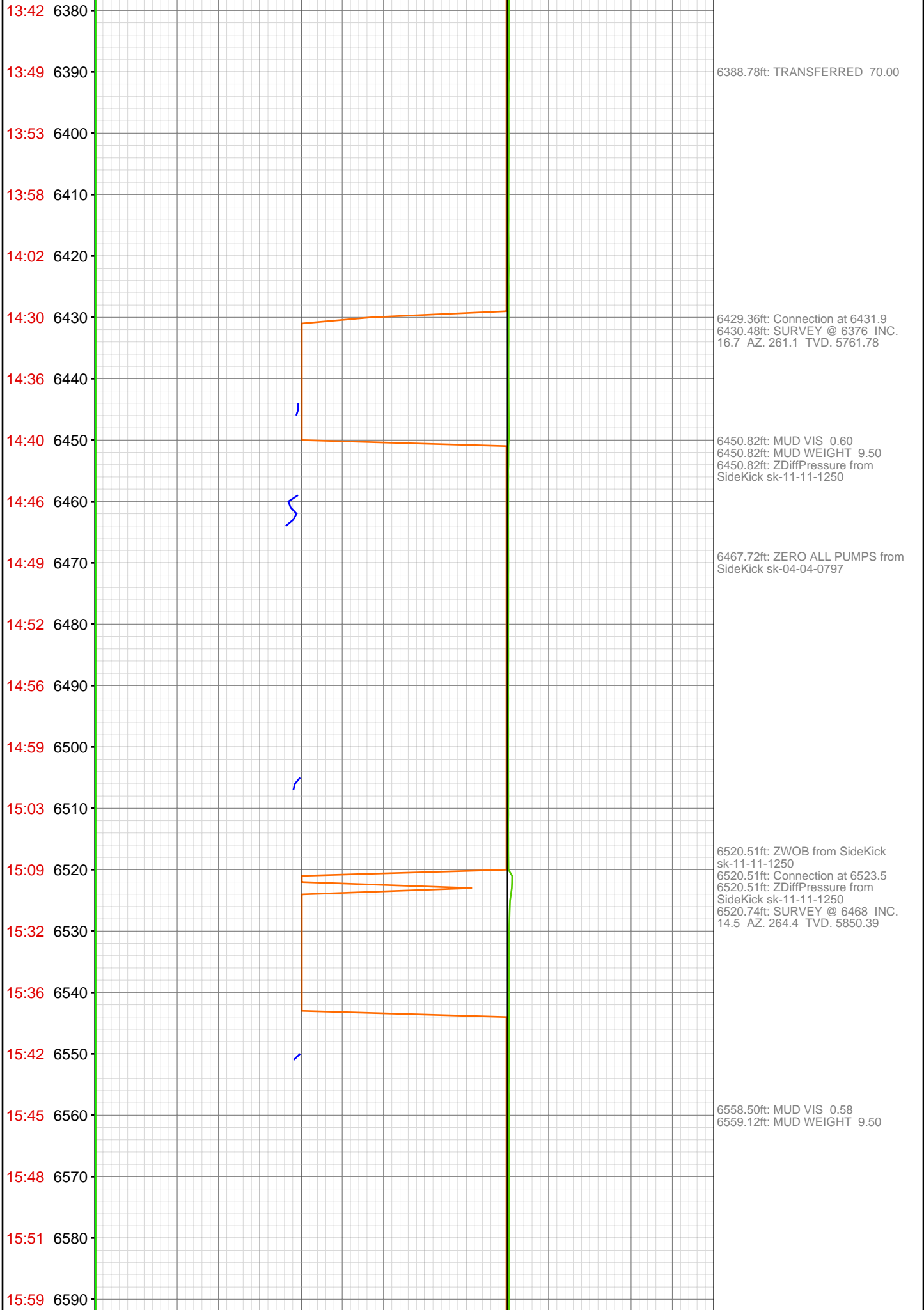
6061.52ft: ZWOB from SideKick  
sk-11-11-1250  
6061.52ft: Connection at 6065.7  
6061.52ft: ZDiffPressure from  
SideKick sk-11-11-1250  
6061.71ft: SURVEY @ 6010 INC.  
20.9 AZ. 266.6 TVD. 5419.41  
6062.60ft: IN TALLY: HOLE DEPTH  
SET TO 6065.7

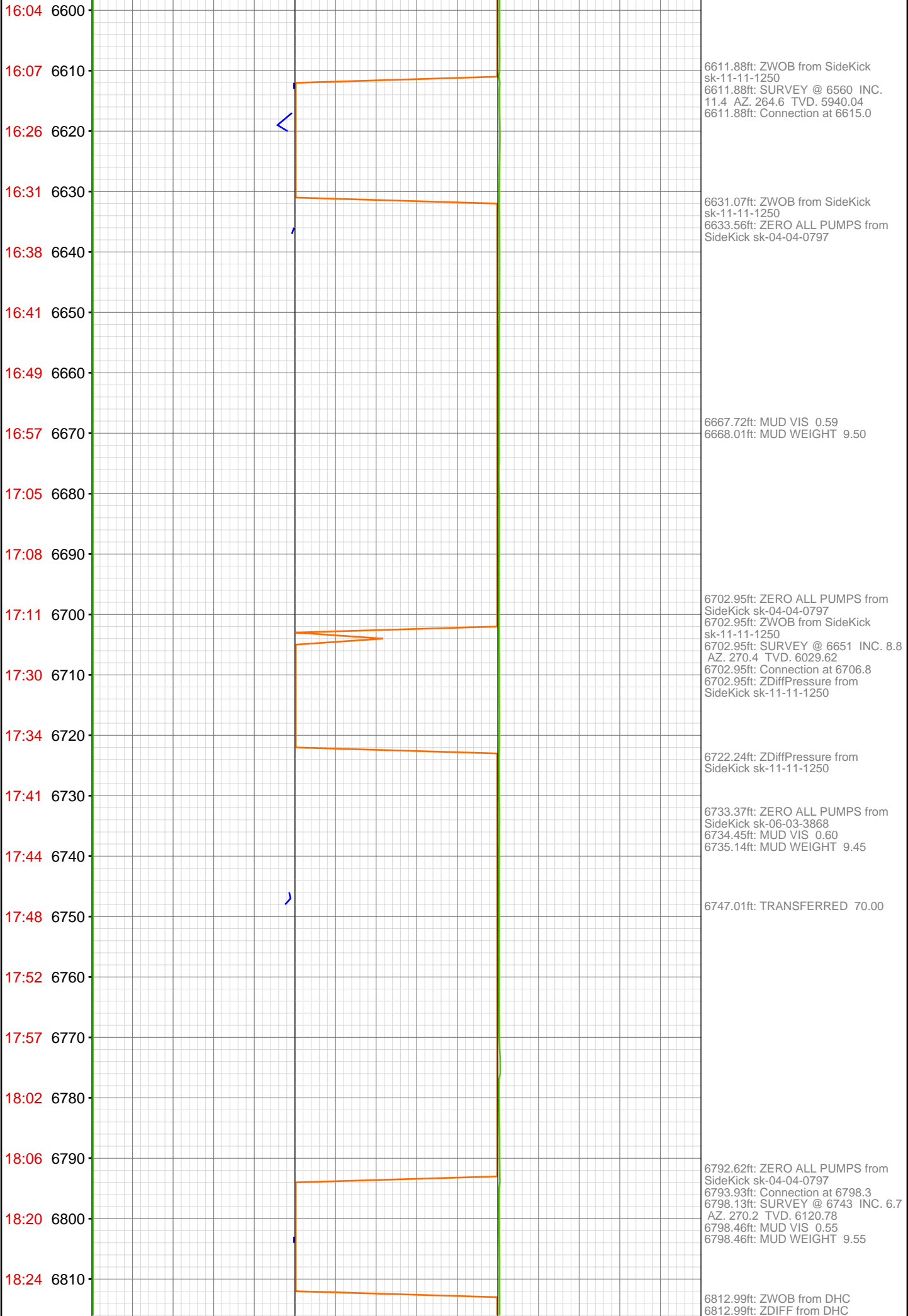
6096.10ft: ZDiffPressure from  
SideKick sk-11-11-1250

6119.46ft: TRANSFERRED 70.00

6148.49ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868  
6155.87ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868  
6155.87ft: ZWOB from SideKick







18:30 6820  
18:33 6830  
18:39 6840  
18:43 6850  
18:51 6860  
18:58 6870  
19:03 6880  
19:16 6890  
19:19 6900  
19:23 6910  
19:27 6920  
19:30 6930  
19:34 6940  
19:37 6950  
19:43 6960  
19:47 6970  
19:58 6980  
20:02 6990  
20:05 7000  
20:08 7010  
20:10 7020  
20:14 7030

✓

✓

✓

✓

✓

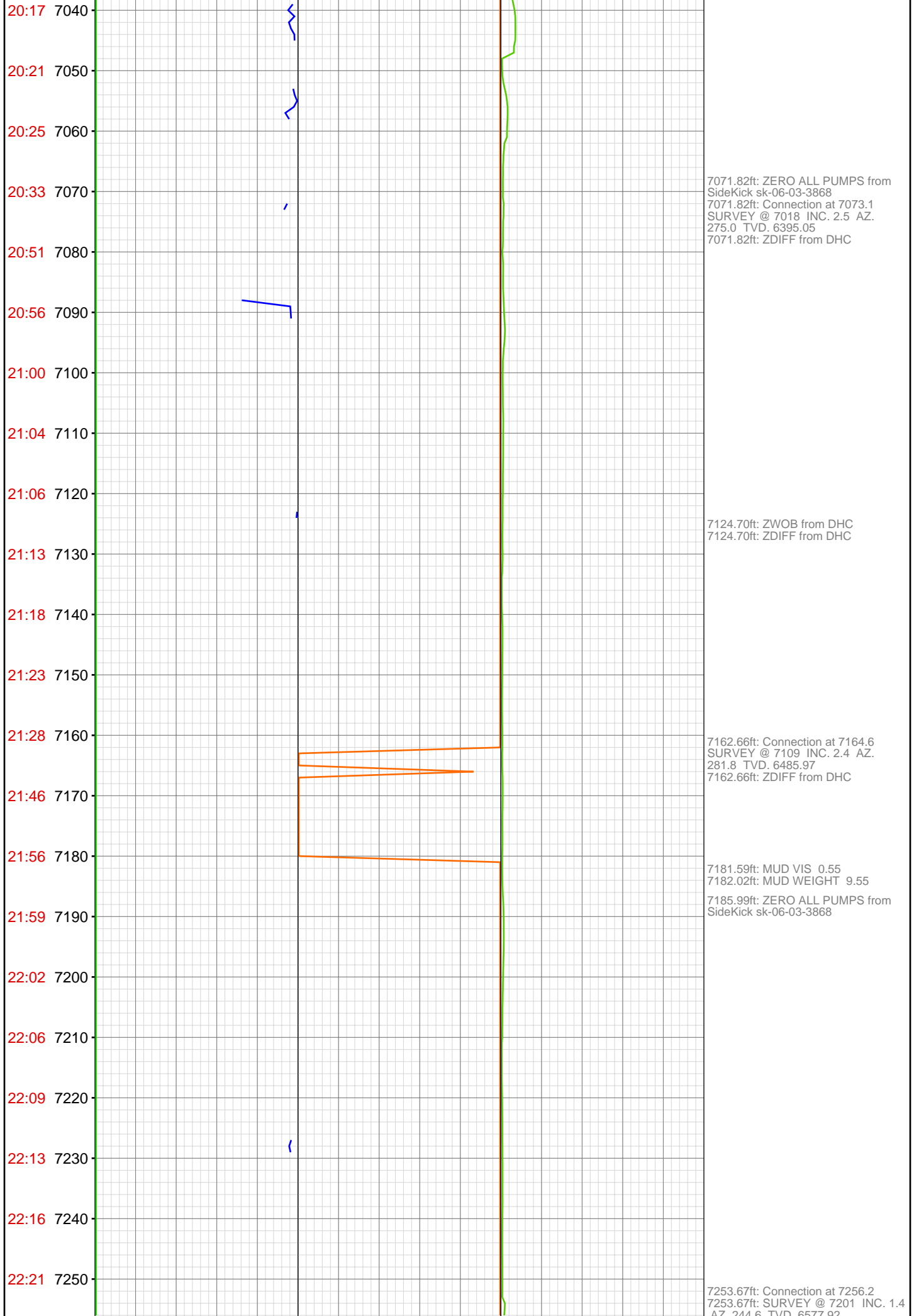
✓

6885.07ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868  
6885.07ft: MUD VIS 0.55  
6885.07ft: MUD WEIGHT 9.55  
6885.07ft: ZDIFF from DHC  
6885.07ft: Connection at 6890.0  
SURVEY @ 6835 INC. 4.5 AZ.  
266.4 TVD. 6212.33  
6885.07ft: ZDIFF from DHC

6903.90ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797

6976.38ft: SURVEY @ 6926 INC. 2.8  
AZ. 270.8 TVD. 6303.15  
6976.38ft: Connection at 6981.6  
6977.30ft: IN TALLY: HOLE DEPTH  
SET TO 6981.6  
6983.53ft: MUD VIS 0.56  
6983.99ft: MUD WEIGHT 9.55





20:17 7040

20:21 7050

20:25 7060

20:33 7070

20:51 7080

20:56 7090

21:00 7100

21:04 7110

21:06 7120

21:13 7130

21:18 7140

21:23 7150

21:28 7160

21:46 7170

21:56 7180

21:59 7190

22:02 7200

22:06 7210

22:09 7220

22:13 7230

22:16 7240

22:21 7250

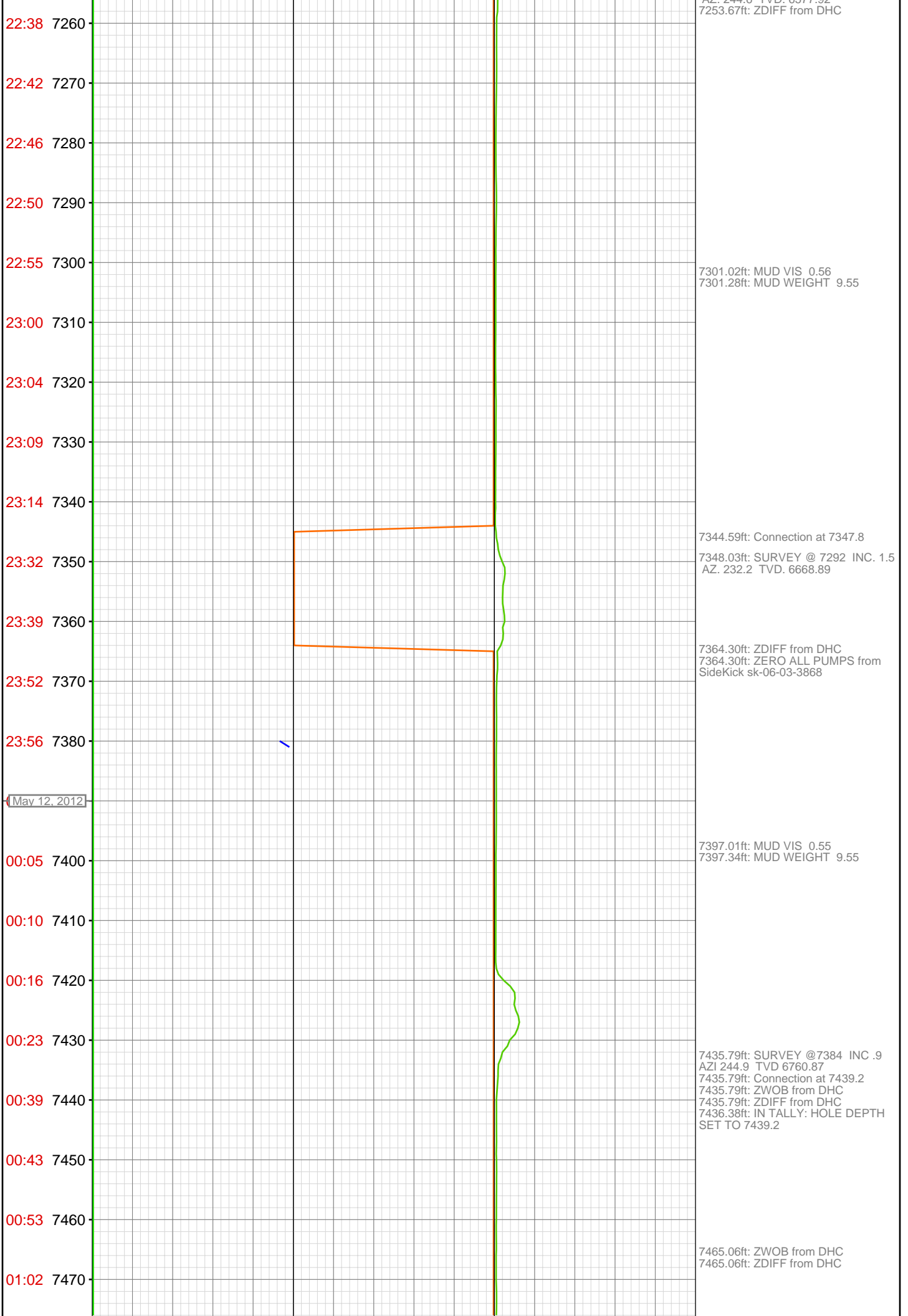
7071.82ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868  
7071.82ft: Connection at 7073.1  
SURVEY @ 7018 INC. 2.5 AZ.  
275.0 TVD. 6395.05  
7071.82ft: ZDIFF from DHC

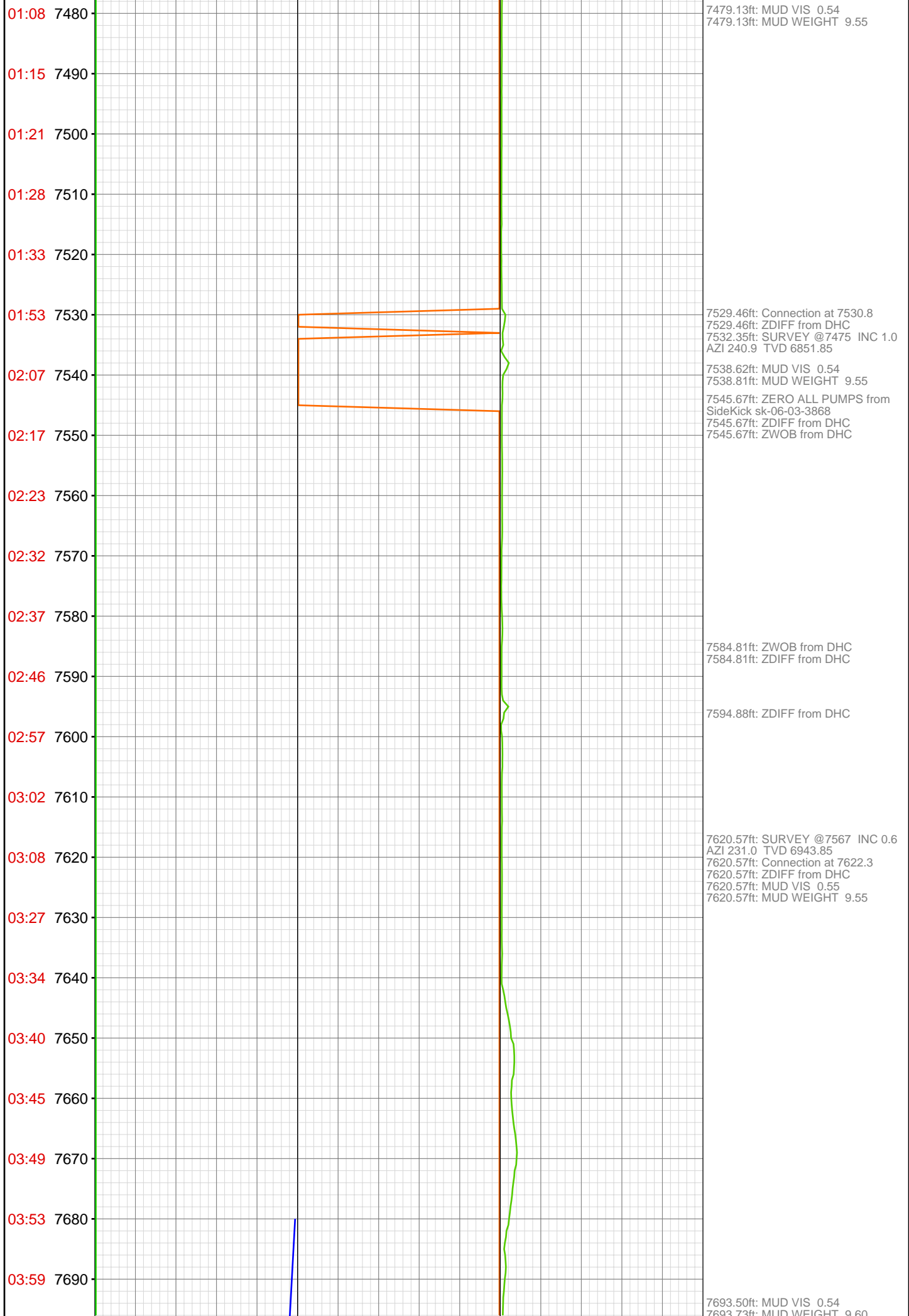
7124.70ft: ZWOB from DHC  
7124.70ft: ZDIFF from DHC

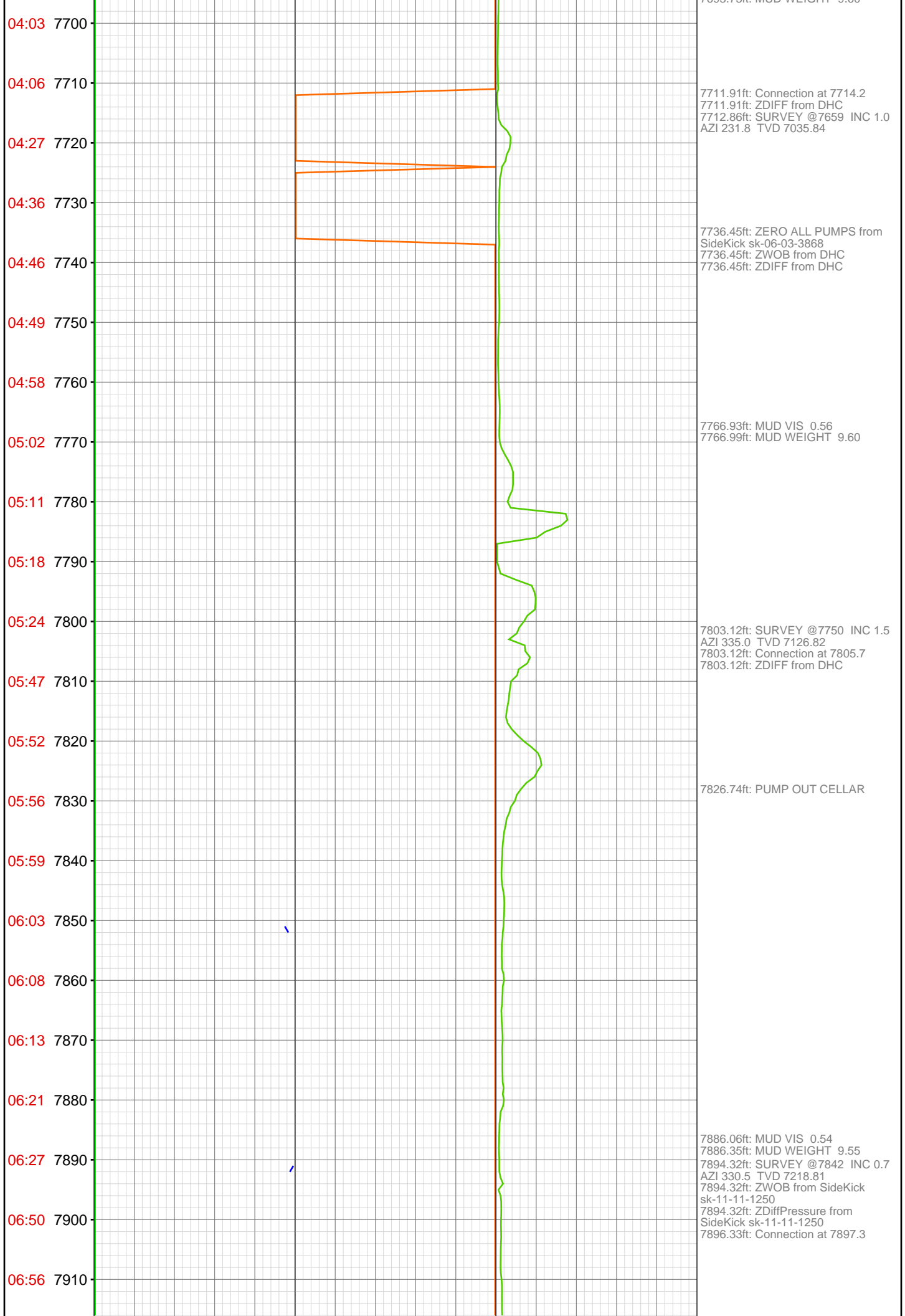
7162.66ft: Connection at 7164.6  
SURVEY @ 7109 INC. 2.4 AZ.  
281.8 TVD. 6485.97  
7162.66ft: ZDIFF from DHC

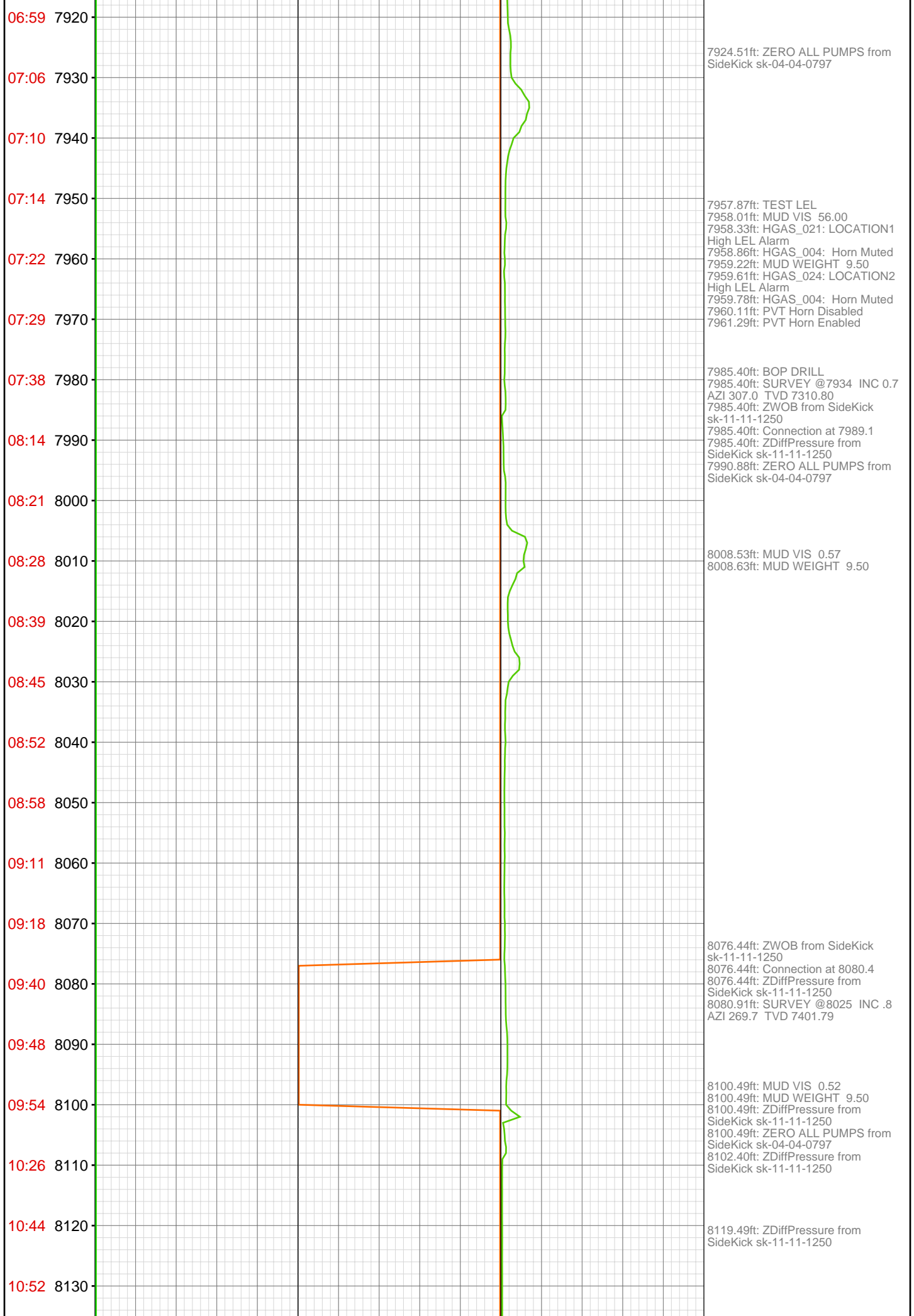
7181.59ft: MUD VIS 0.55  
7182.02ft: MUD WEIGHT 9.55  
7185.99ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868

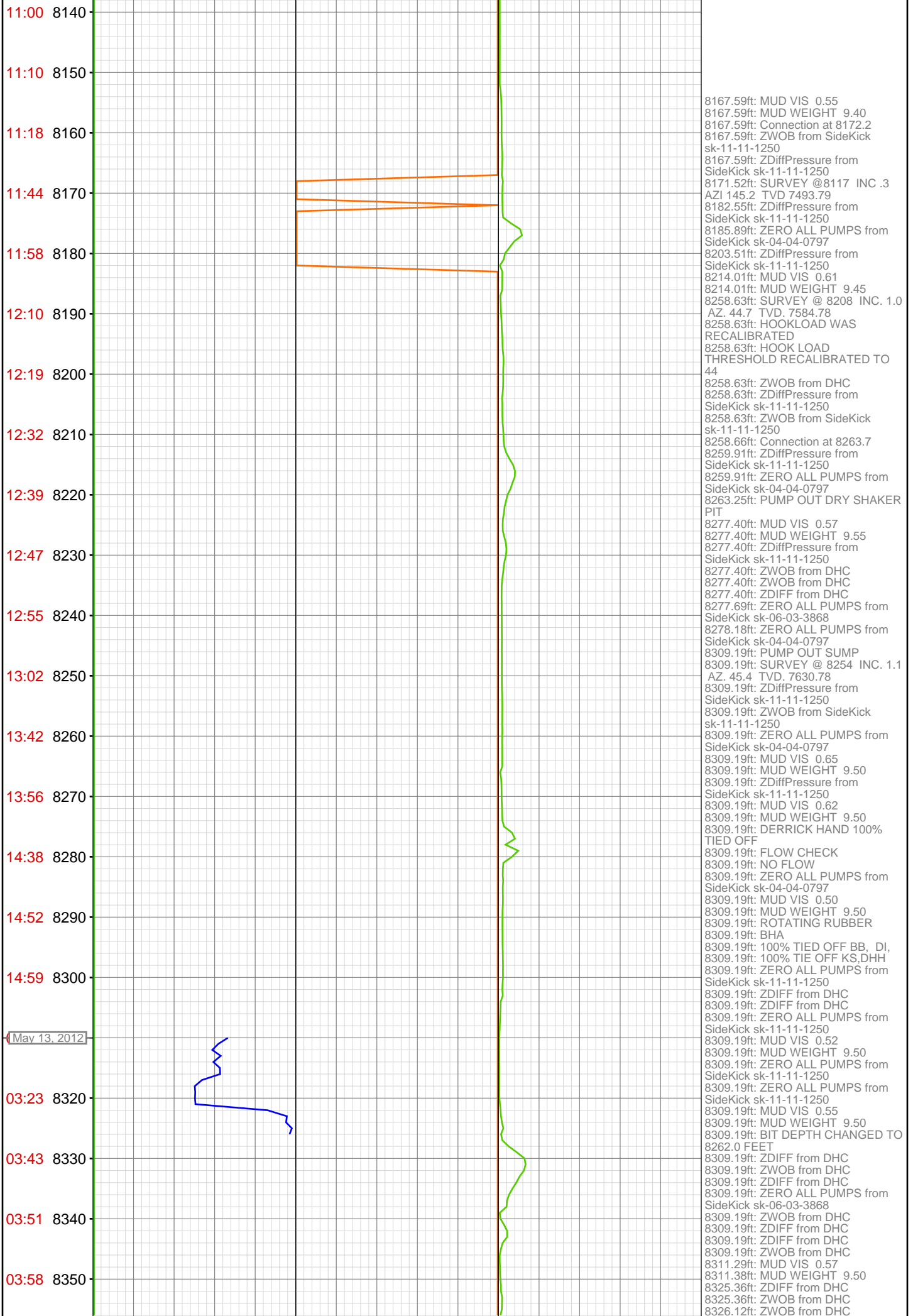
7253.67ft: Connection at 7256.2  
7253.67ft: SURVEY @ 7201 INC. 1.4  
AZ 244.6 TVD 6577.92

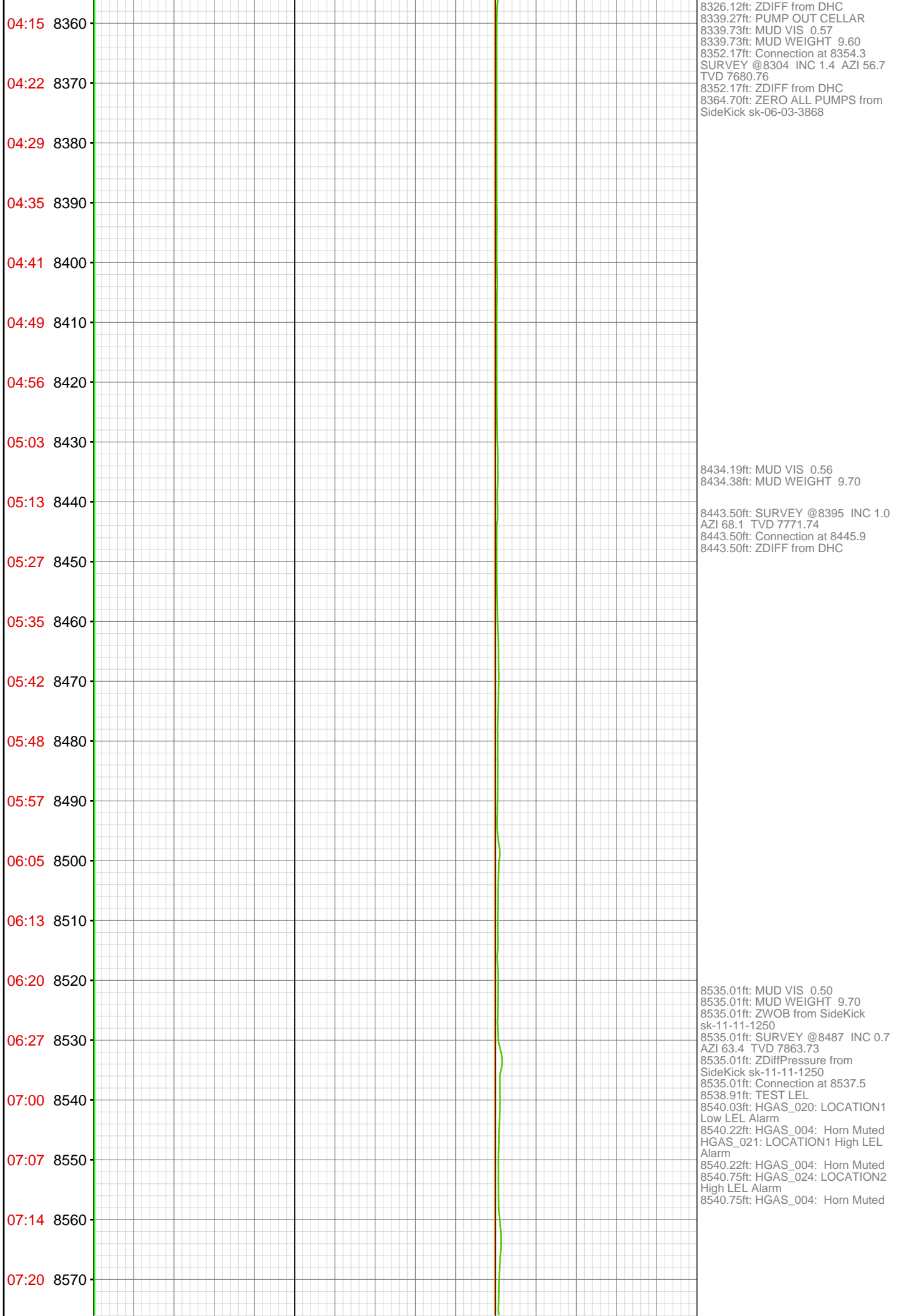
















10:44 8800

10:51 8810

11:12 8820

11:20 8830

11:26 8840

11:31 8850

11:37 8860

11:42 8870

11:49 8880

11:56 8890

12:02 8900

12:25 8910

12:31 8920

12:37 8930

12:42 8940

12:47 8950

12:52 8960

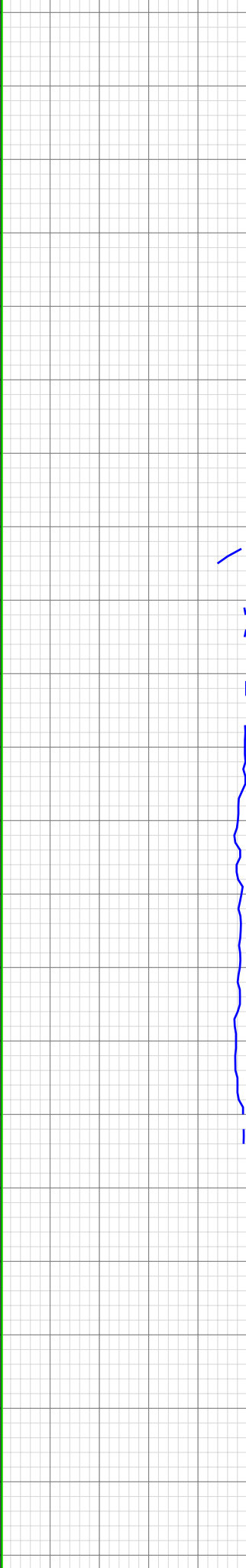
12:58 8970

13:06 8980

13:12 8990

13:31 9000

13:38 9010



8811.25ft: ZWOB from SideKick  
sk-11-11-1250  
8811.25ft: SURVEY @8762 INC .4  
AZI 125.0 TVD 8138.72  
8811.25ft: ZDiffPressure from  
SideKick sk-11-11-1250  
8811.25ft: Connection at 8812.2

8820.11ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797

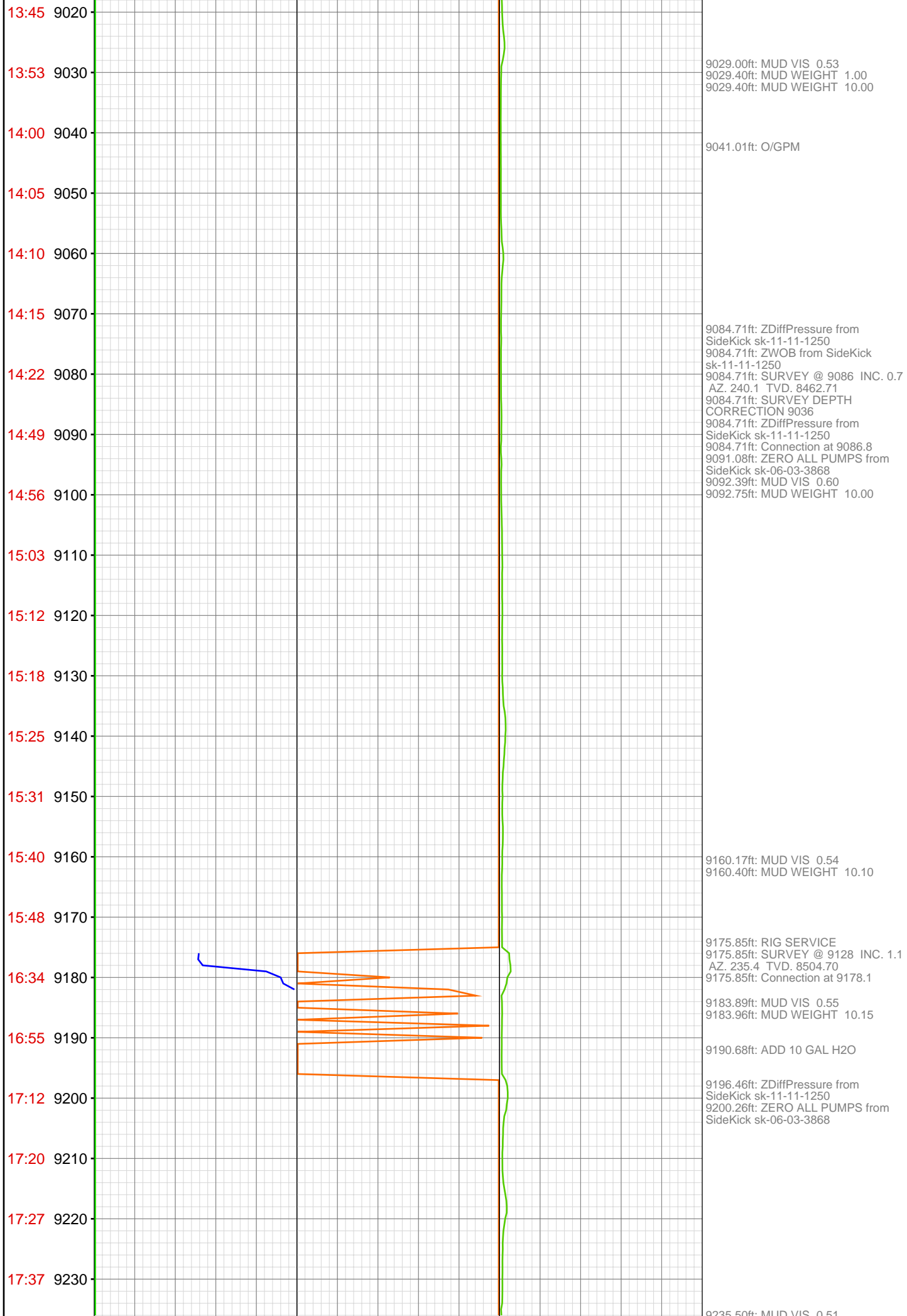
8859.78ft: MUD VIS 0.54  
8860.04ft: MUD WEIGHT 9.90

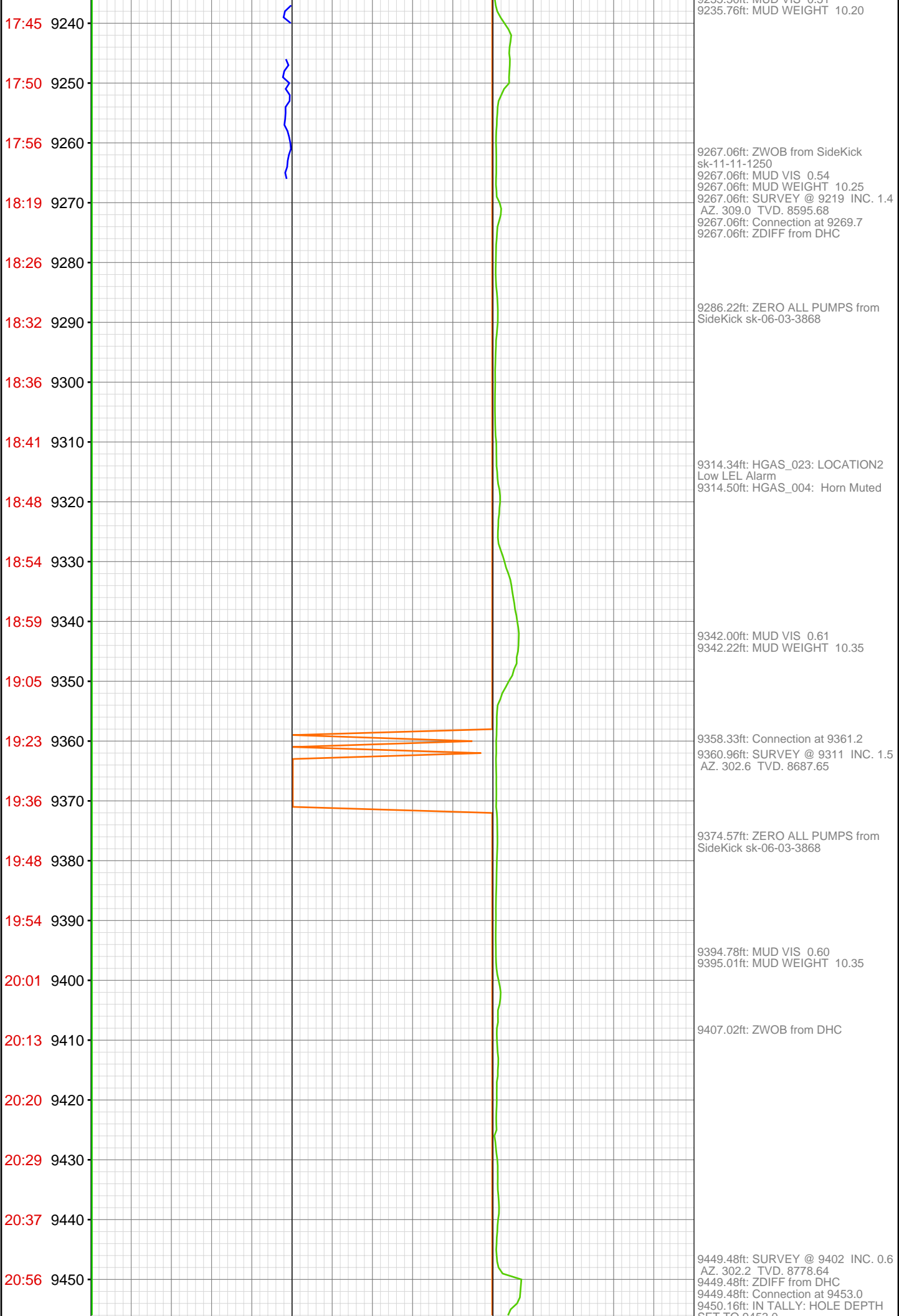
8902.23ft: ZWOB from SideKick  
sk-11-11-1250  
8902.23ft: SURVEY @ 8853 INC. 0.4  
AZ. 149.9 TVD. 8229.72  
8902.23ft: ZDiffPressure from  
SideKick sk-11-11-1250  
8902.23ft: Connection at 8903.6

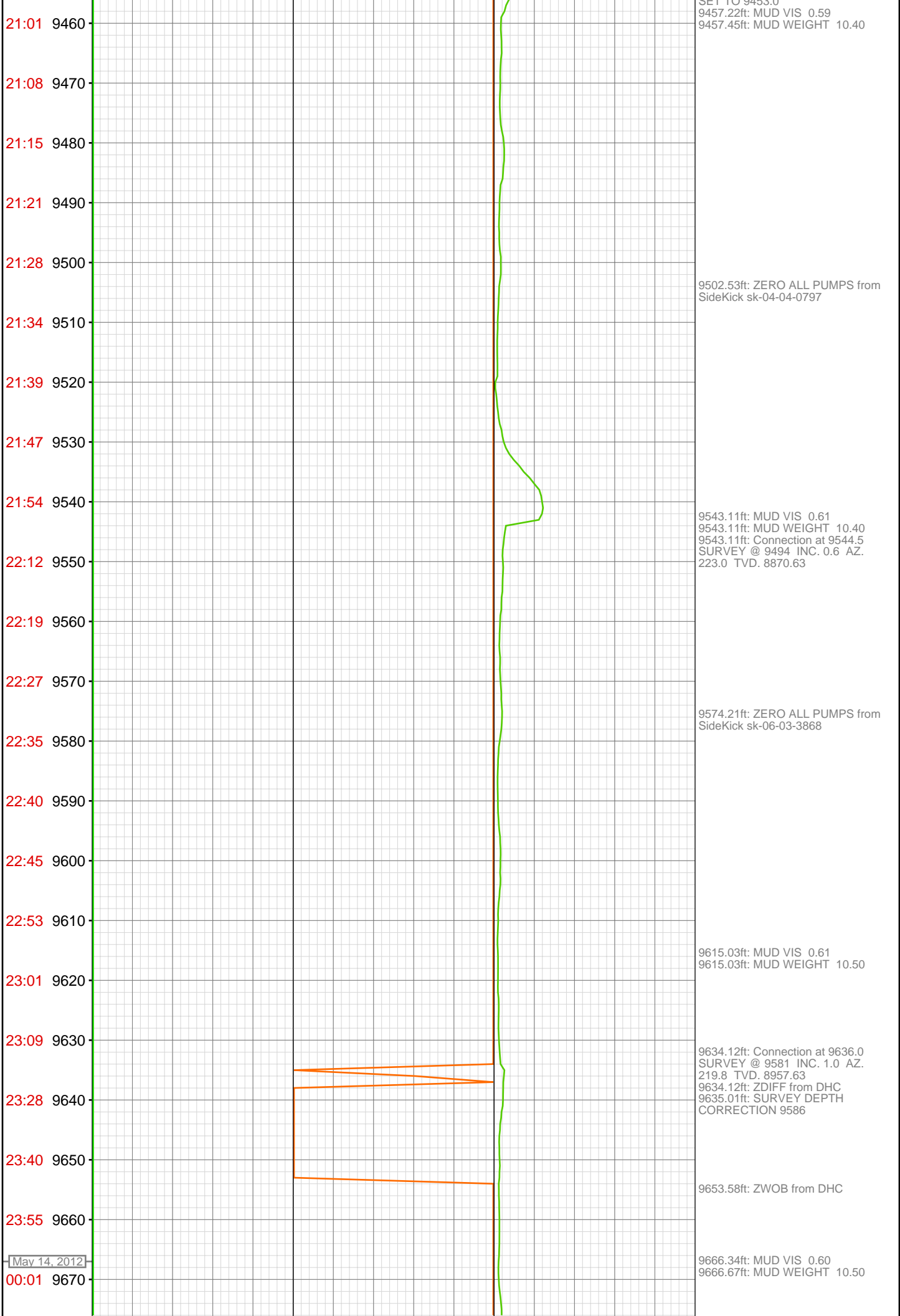
8914.70ft: ZERO ALL PUMPS from  
SideKick sk-04-04-0797

8928.02ft: MUD VIS 0.53  
8930.25ft: MUD WT 9.95

8993.50ft: ZWOB from SideKick  
sk-11-11-1250  
8993.50ft: SURVEY @ 8945 INC. 0.6  
AZ. 208.4 TVD. 8321.72  
8993.50ft: ZDiffPressure from  
SideKick sk-11-11-1250  
8993.50ft: ZWOB from SideKick  
sk-11-11-1250  
8994.09ft: Connection at 8995.2  
8997.83ft: 10GPM/PREMIX







00:07 9680  
00:13 9690  
00:20 9700  
00:28 9710  
00:40 9720  
00:59 9730  
01:04 9740  
01:12 9750  
01:18 9760  
01:25 9770  
01:34 9780  
01:42 9790  
01:49 9800  
01:56 9810  
02:13 9820  
02:18 9830  
02:26 9840  
02:31 9850  
02:38 9860  
02:44 9870  
02:53 9880  
03:01 9890

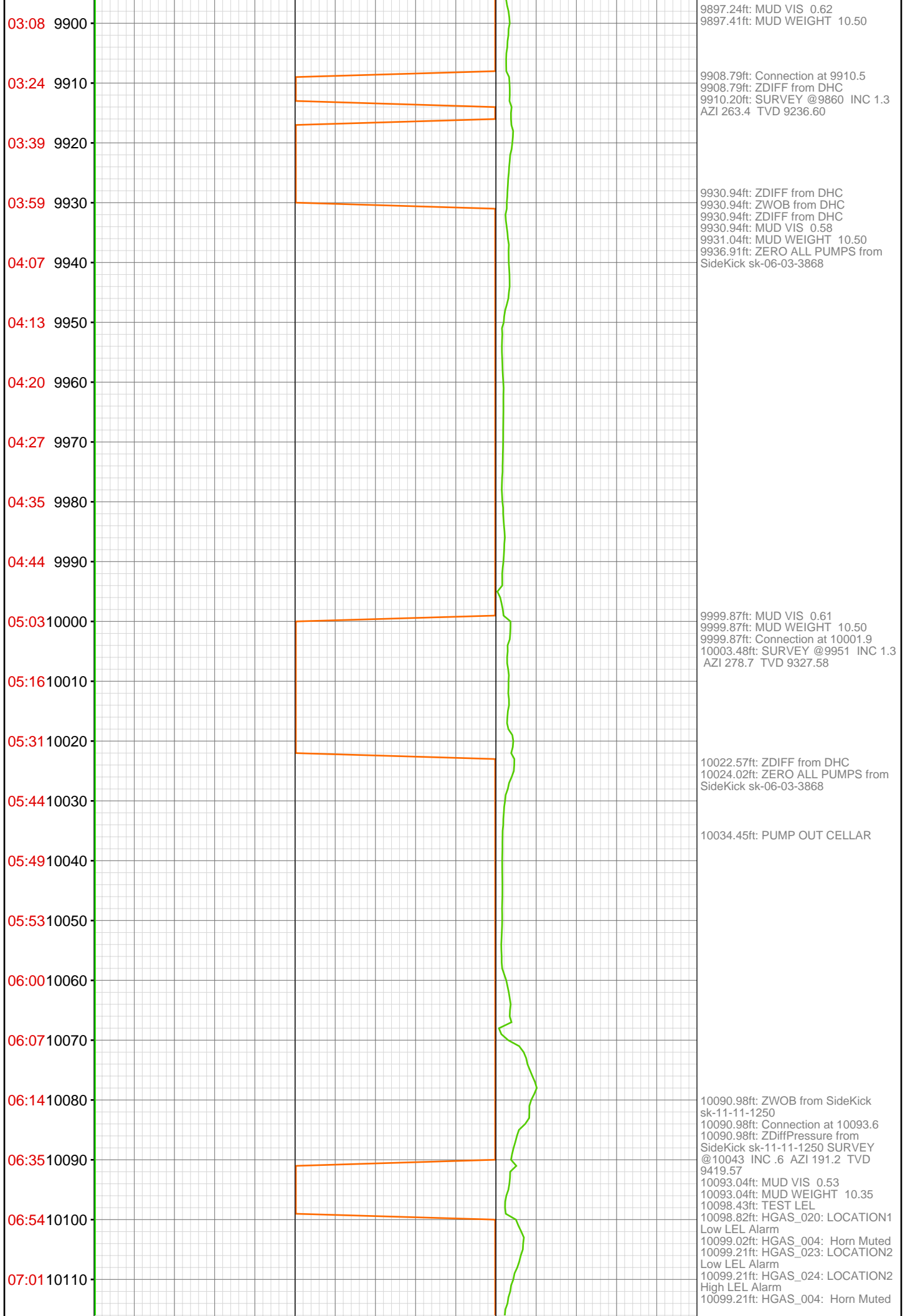
9725.10ft: Connection at 9727.5  
9725.10ft: ZDIFF from DHC  
9725.10ft: SURVEY @9677 INC .7  
AZI 324.0 TVD 9053.62  
9727.00ft: IN TALLY: HOLE DEPTH  
SET TO 9727.6

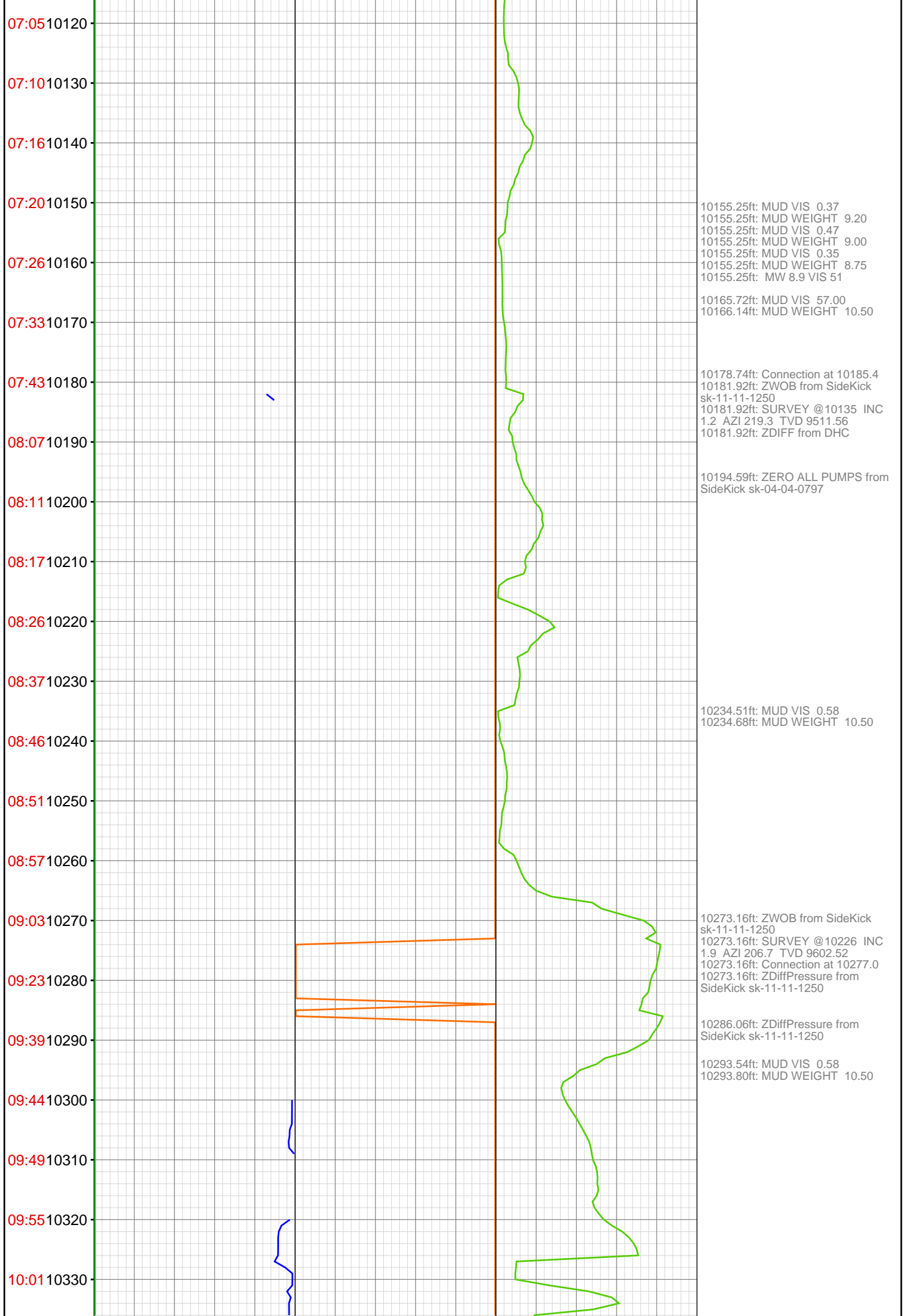
9744.03ft: MUD VIS 0.61  
9744.03ft: MUD WEIGHT 10.50

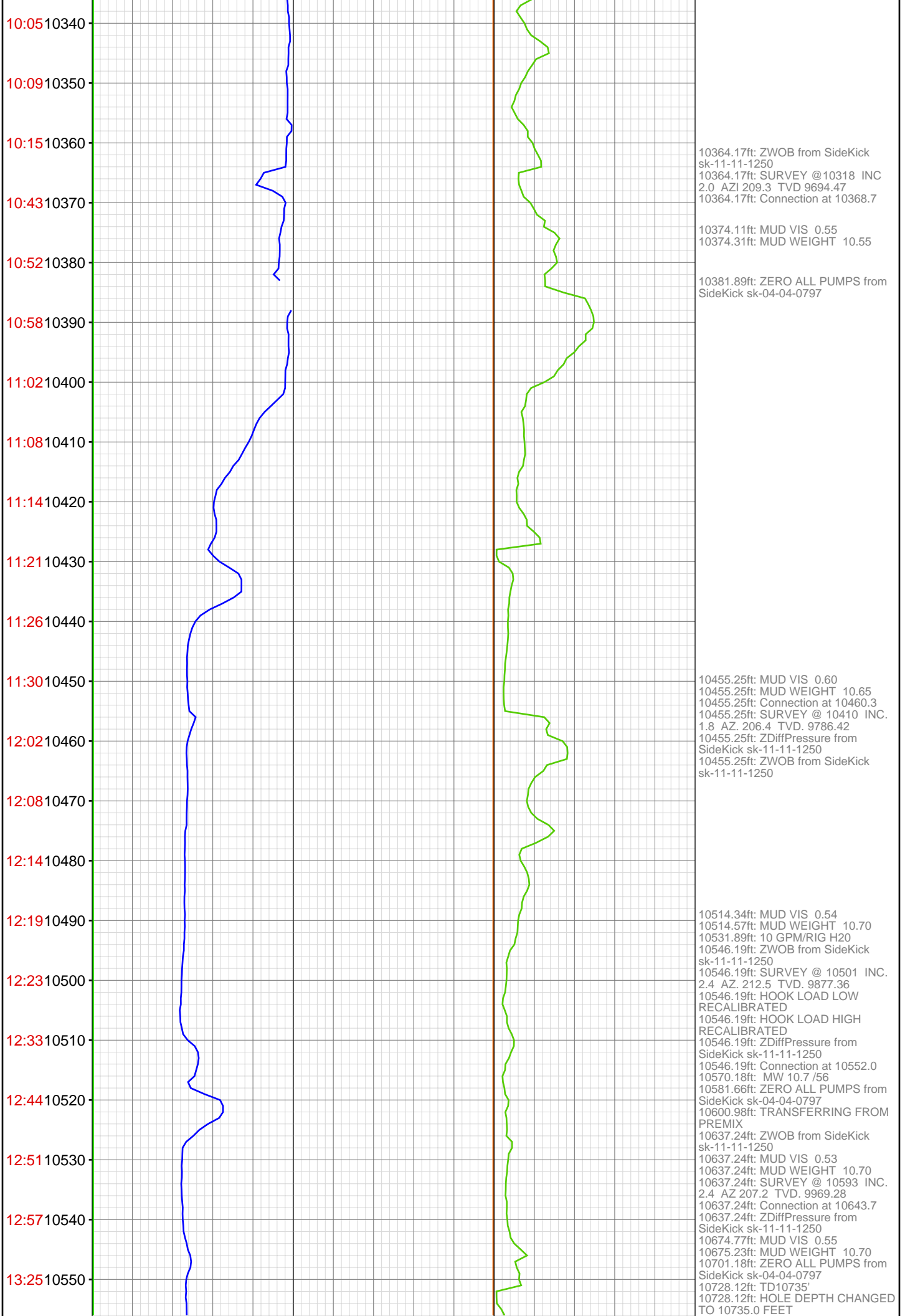
9749.05ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868

9817.65ft: Connection at 9819.0  
9817.65ft: SURVEY @9769 INC .7  
AZI 276.2 TVD 9145.61  
9817.65ft: ZWOB from DHC  
9817.65ft: ZDIFF from DHC  
9817.65ft: MUD VIS 0.59  
9817.65ft: MUD WEIGHT 10.50

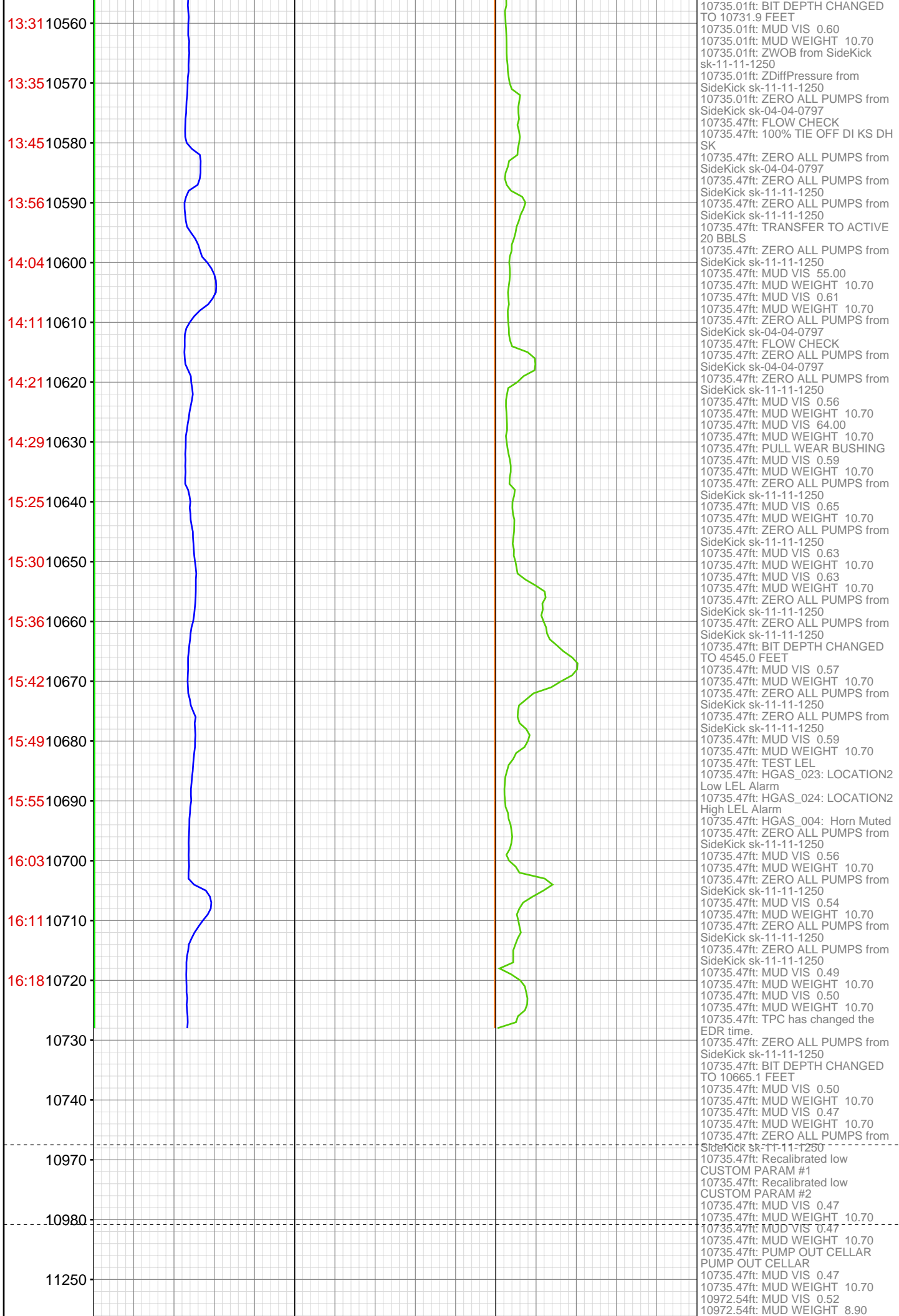
9828.84ft: ZERO ALL PUMPS from  
SideKick sk-06-03-3868











[illegible]