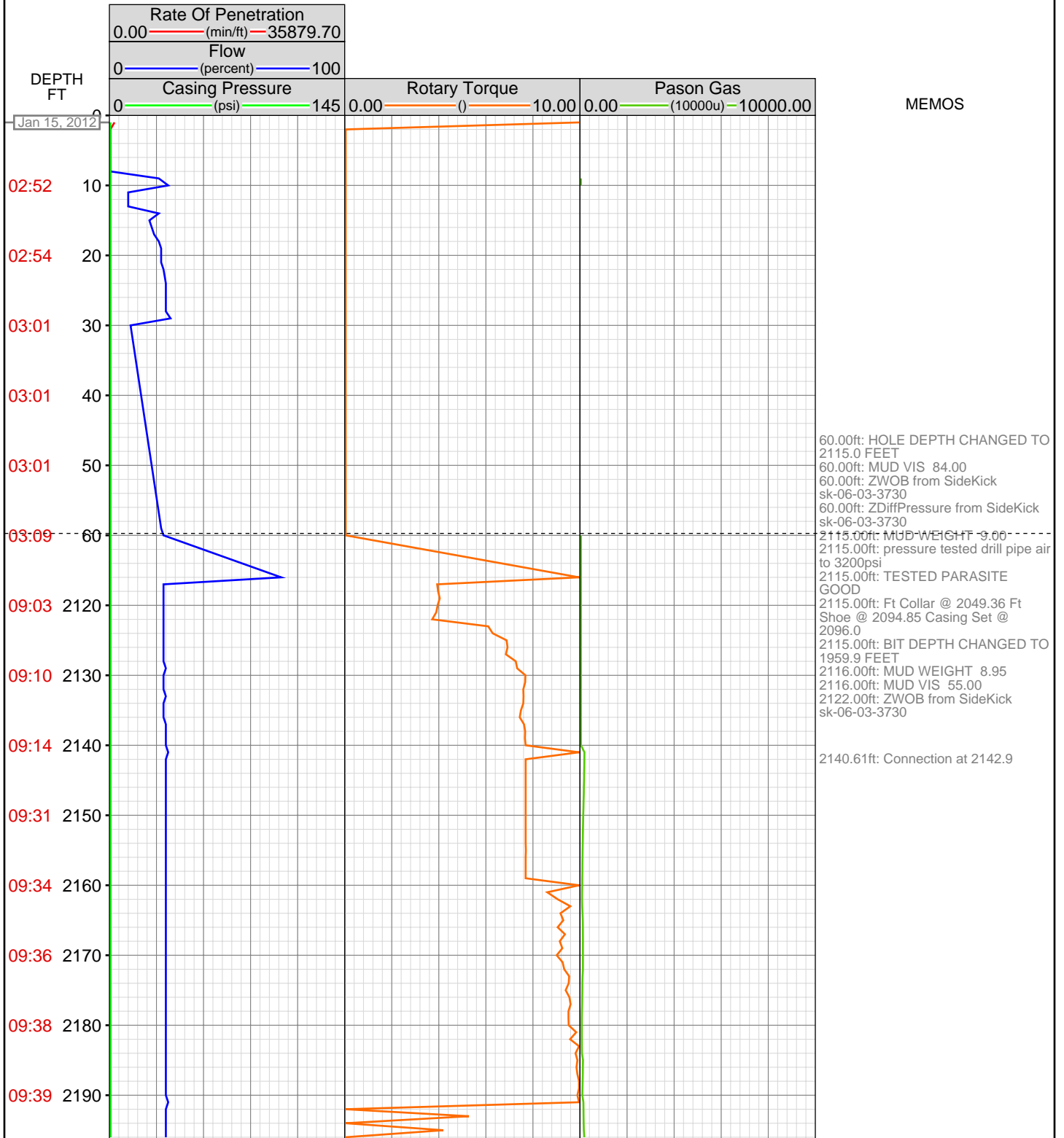


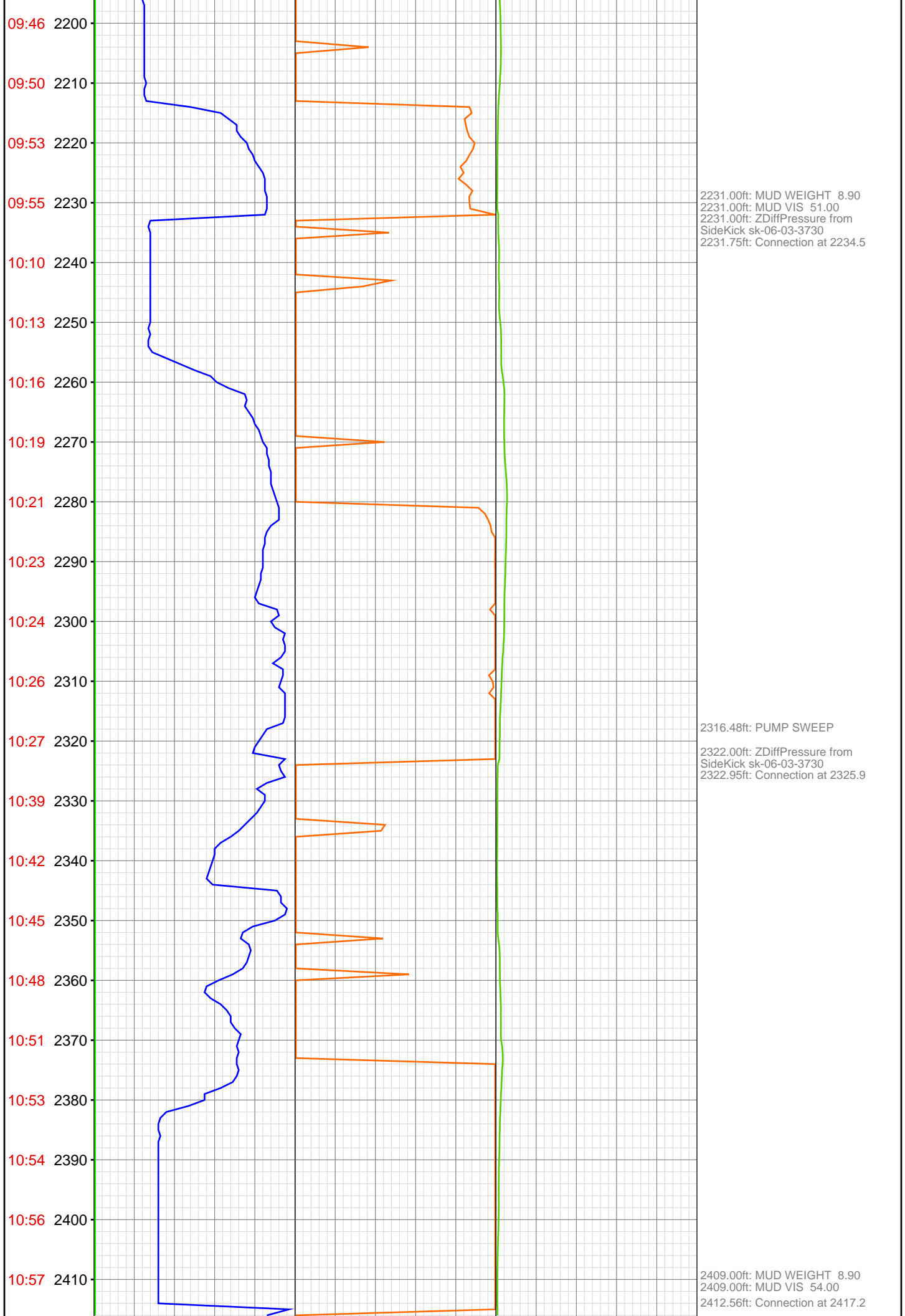
# DataHub EDR Log

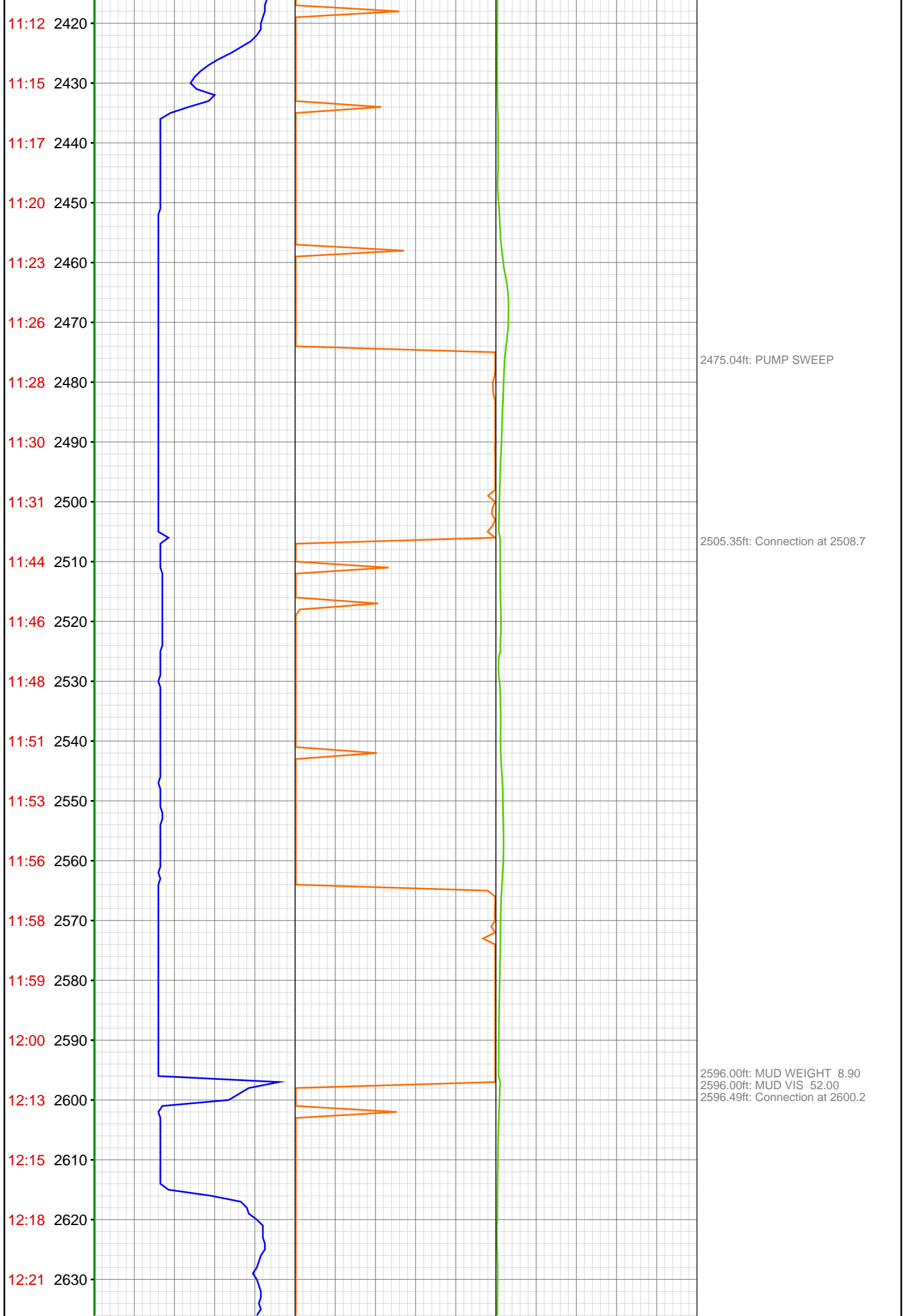
Mon Jan 23, 2012 12:19:22  
Well Dossier 1326567488  
Marilyn Tucker

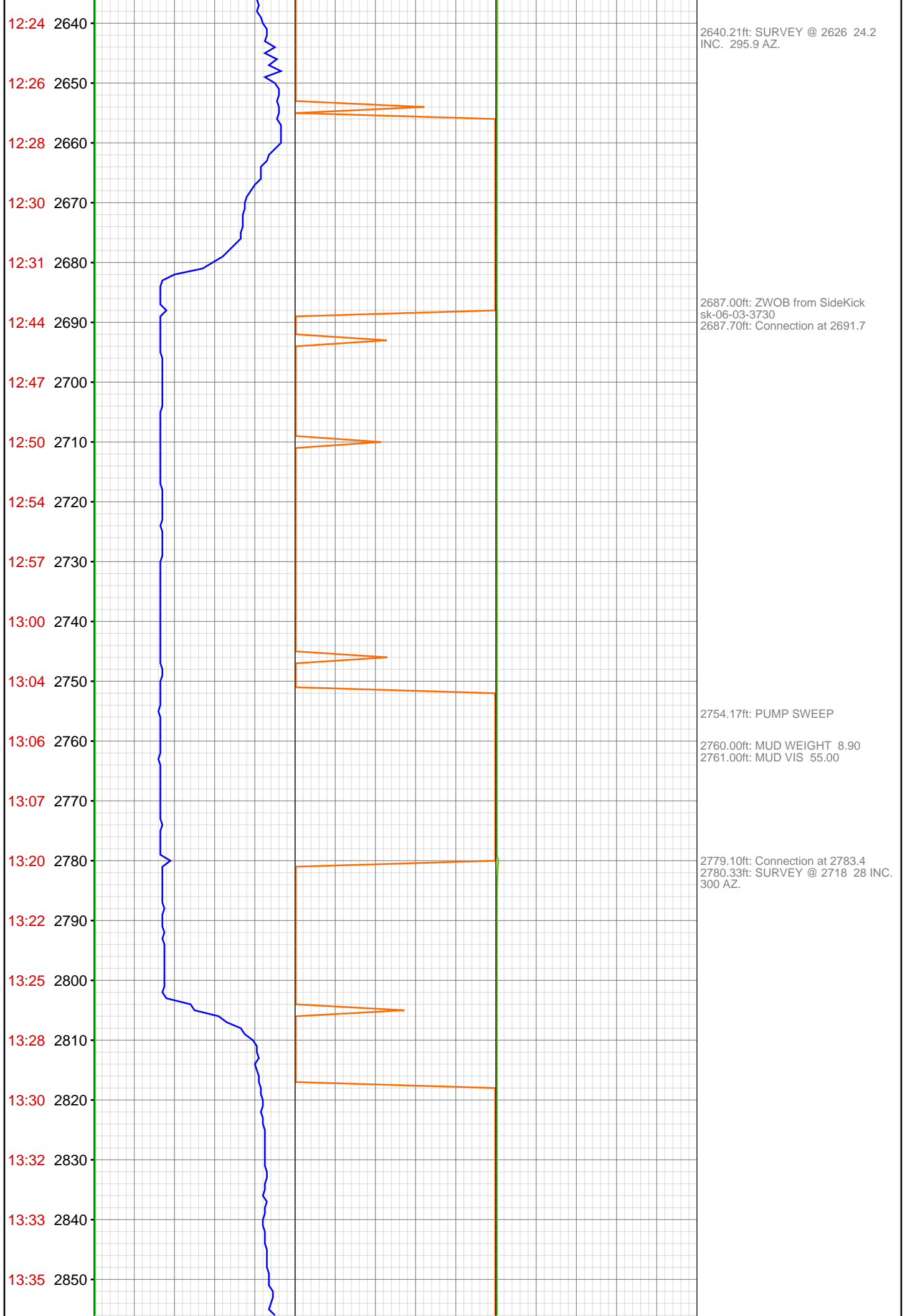
**OPERATOR:** EnCana Oil & Gas (USA), Inc.  
**WELL:** SG 8508D-21 N-22 496  
**FIELD:**  
**LOCATION:** SEC:25 T4S R96W  
**COUNTRY:** USA  
**RIG:** Pat-UTI 306

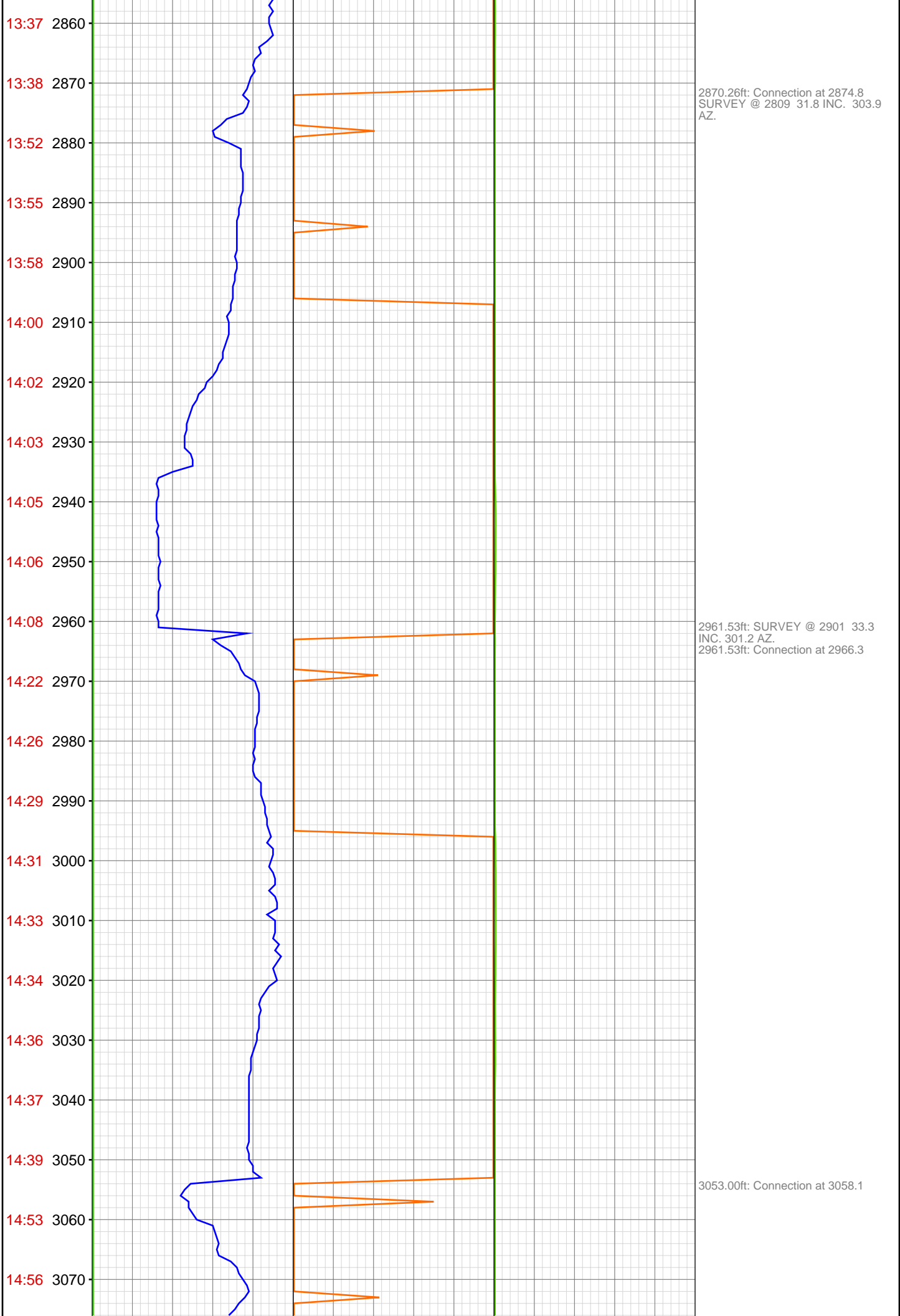
**CONTRACTOR:** Patterson-UTI Drilling Company  
**UNIQUE WELL ID:** 05-045-20648-00  
**SPUD DATE:** Jan 15, 2012 09:00  
**RELEASE DATE:** Jan 22, 2012 09:00

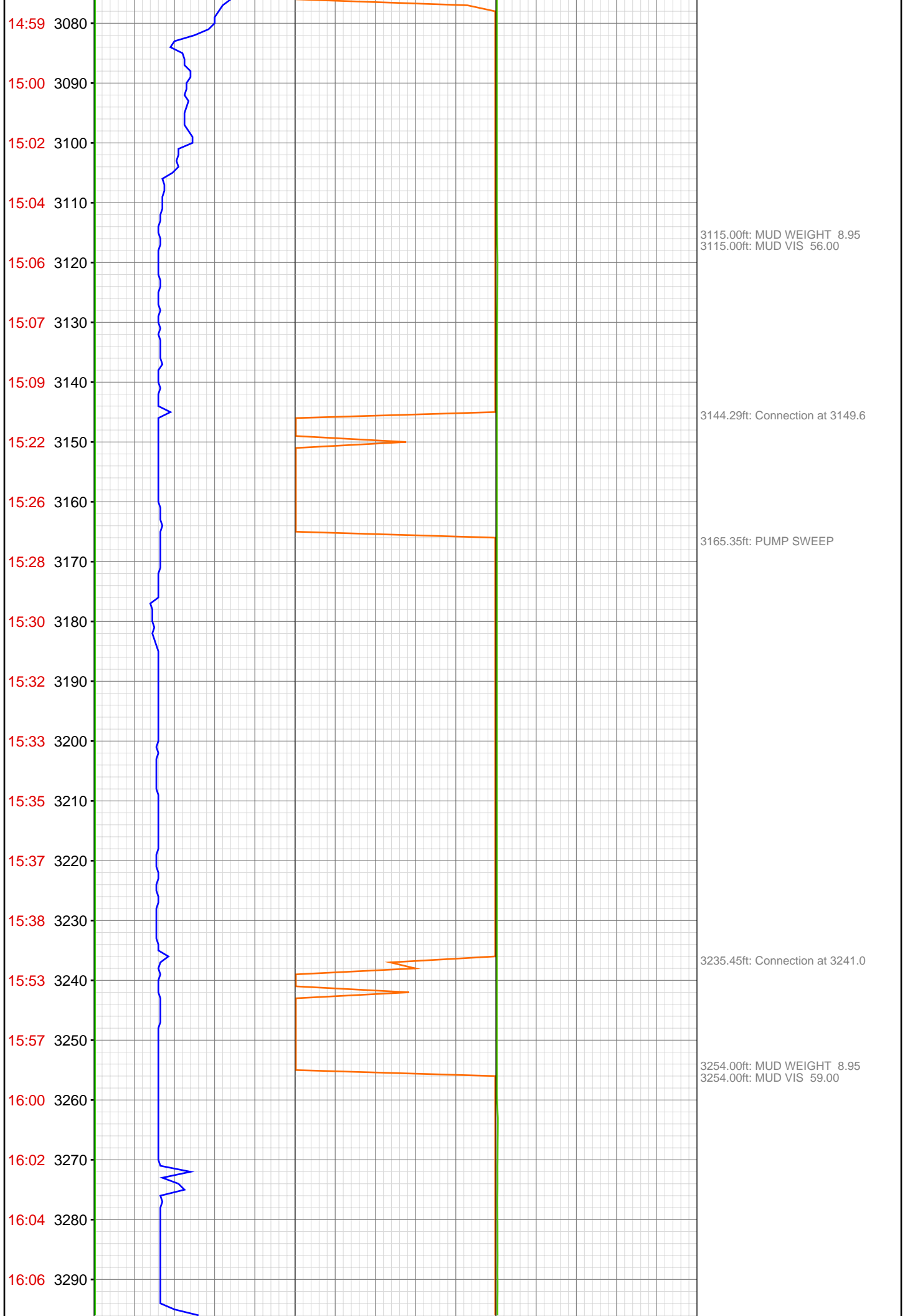


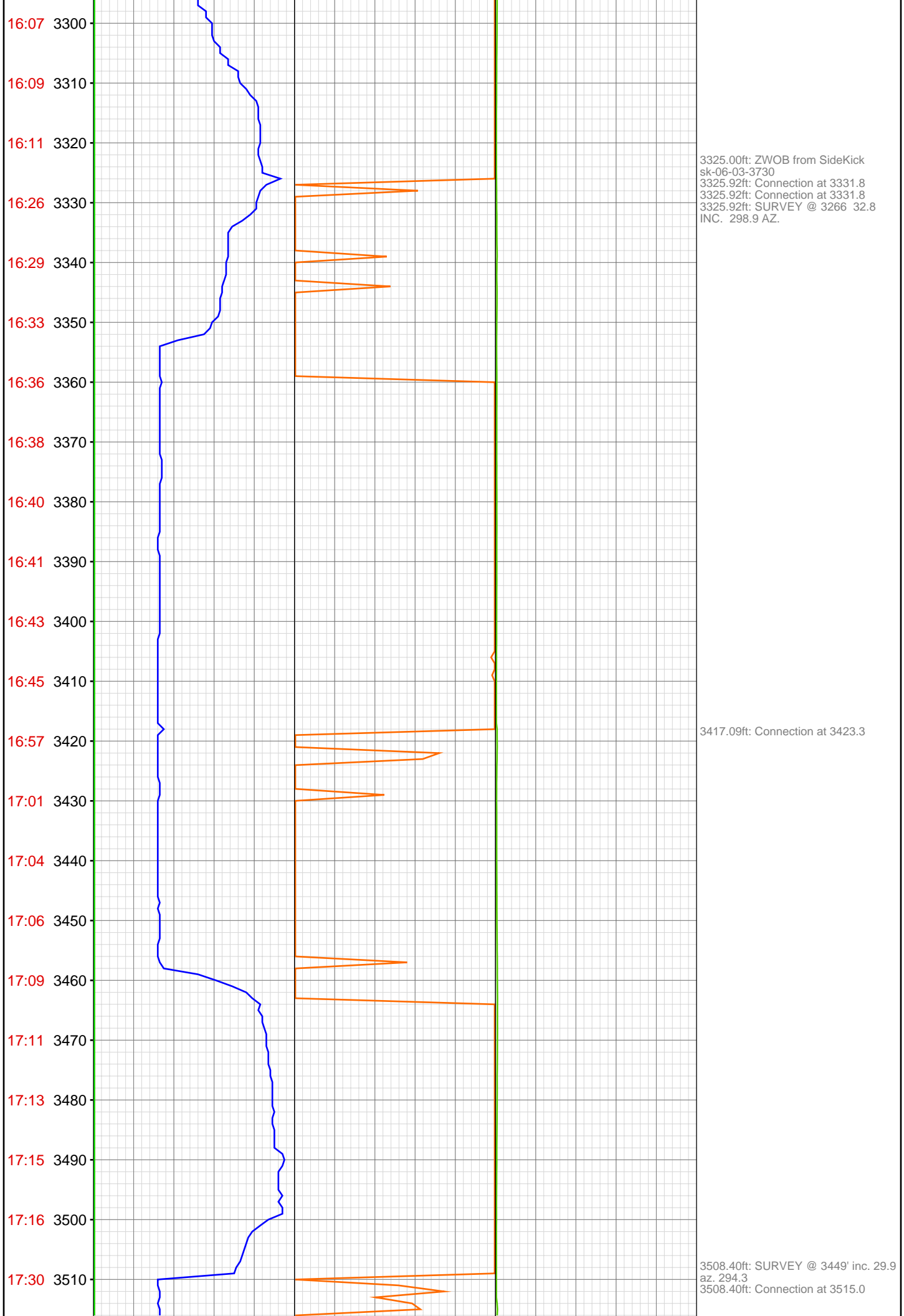


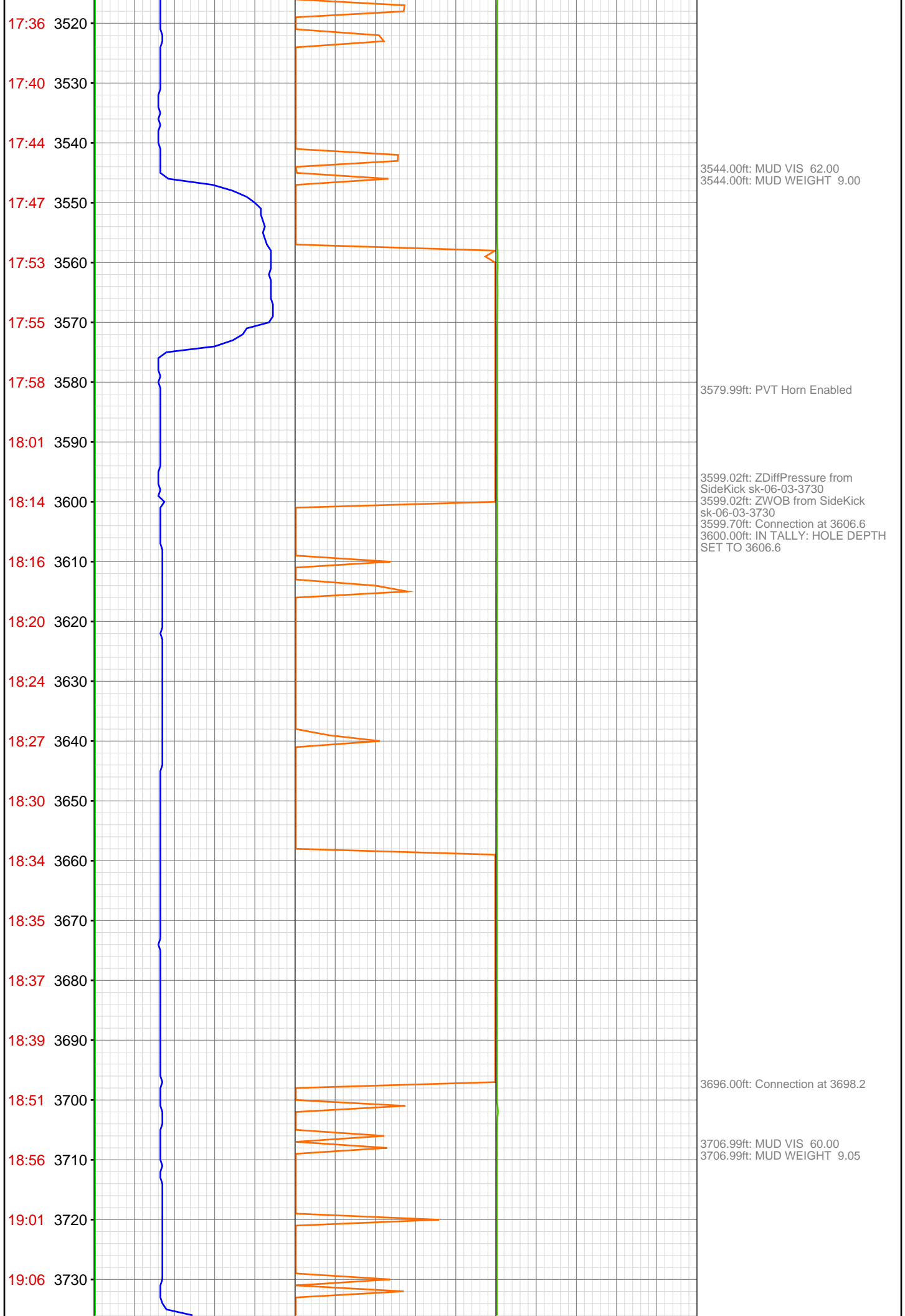


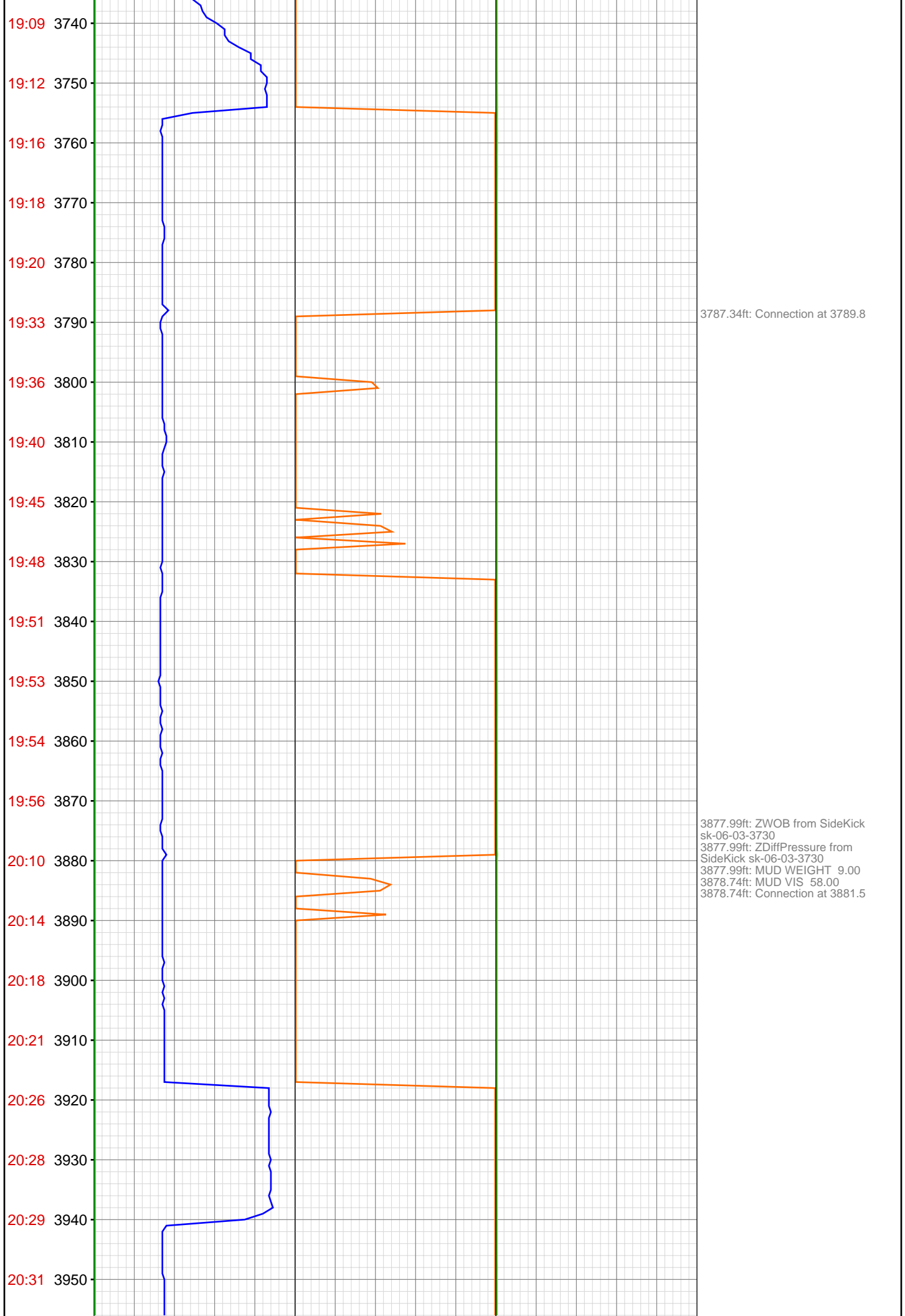




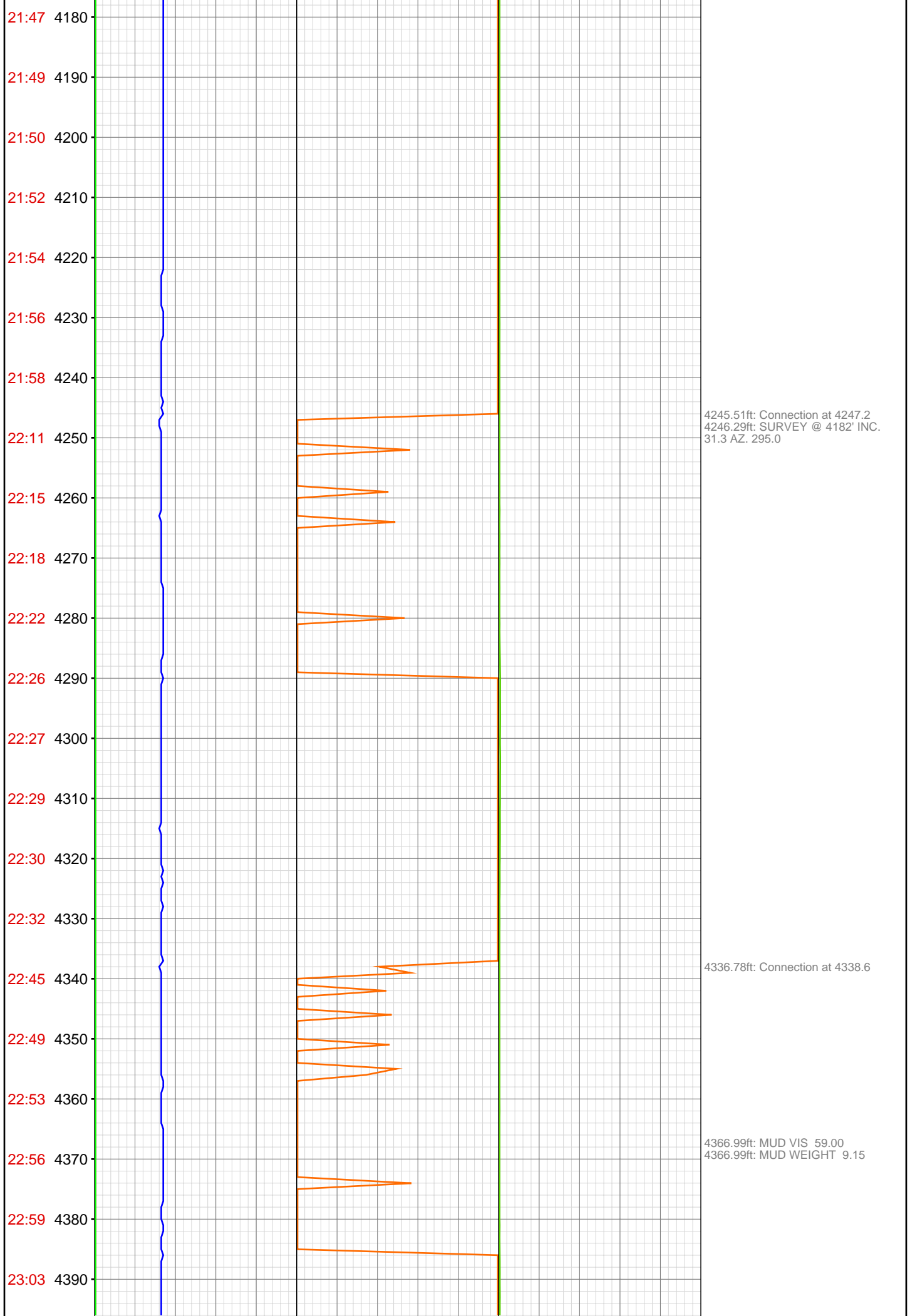


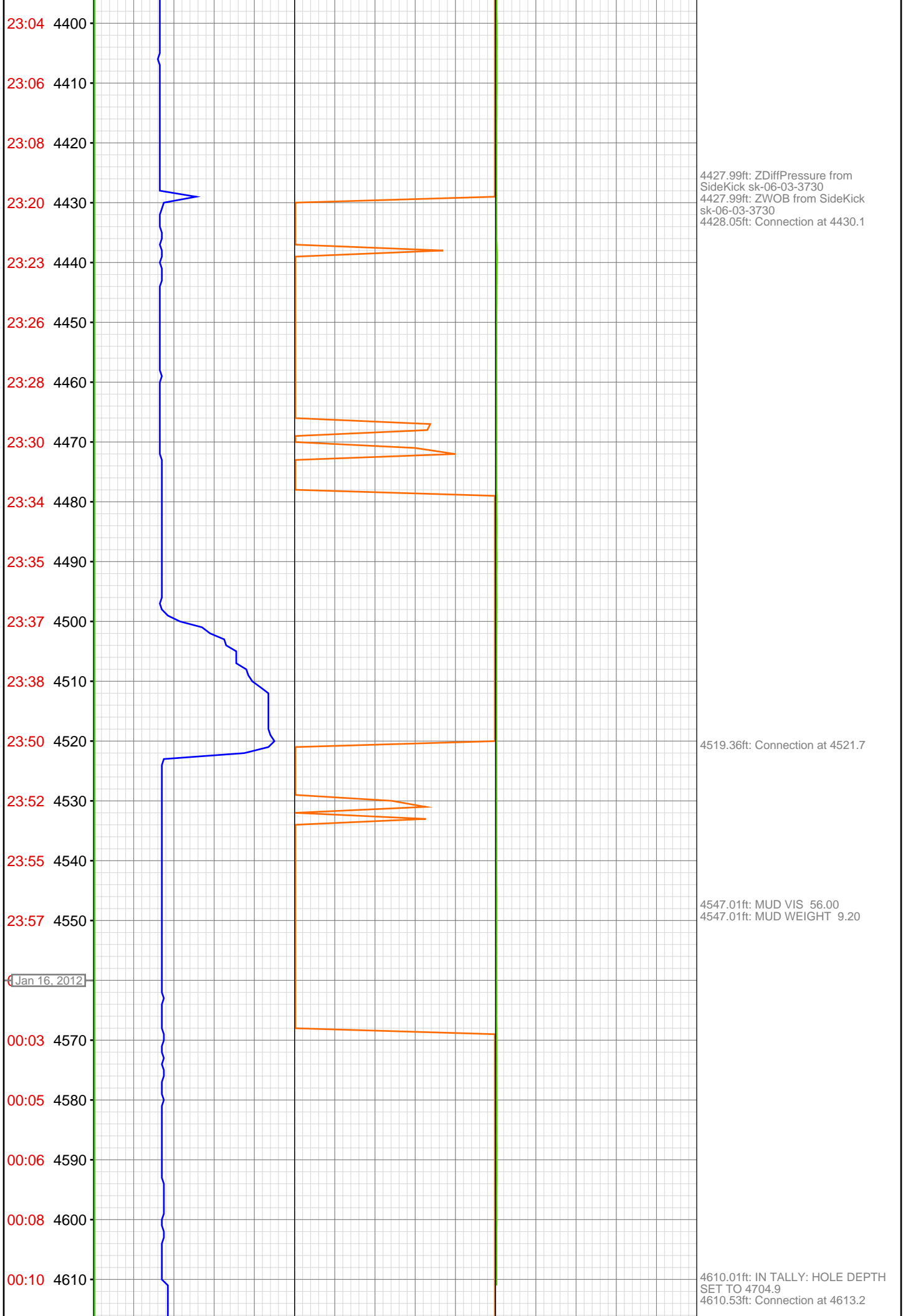


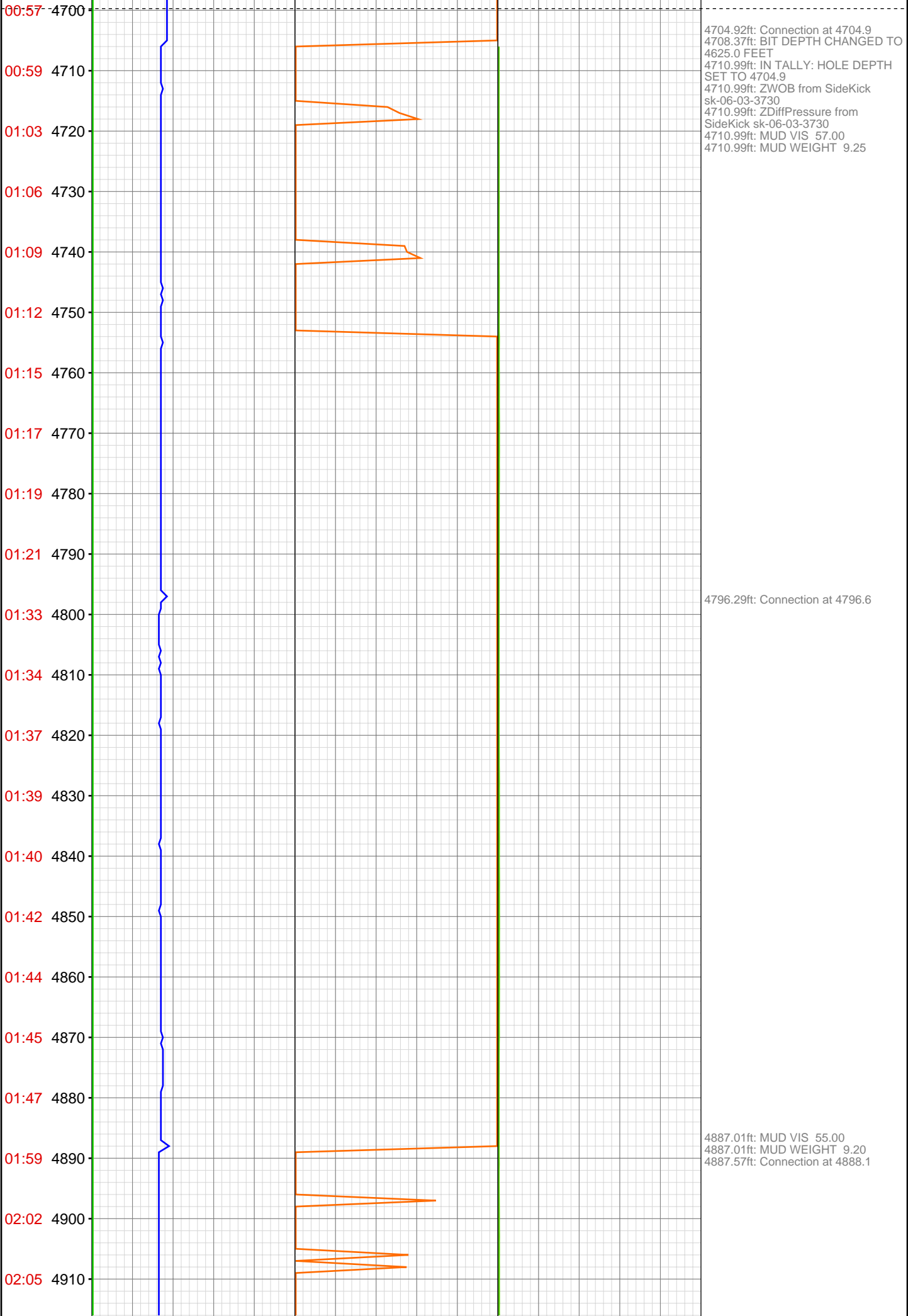




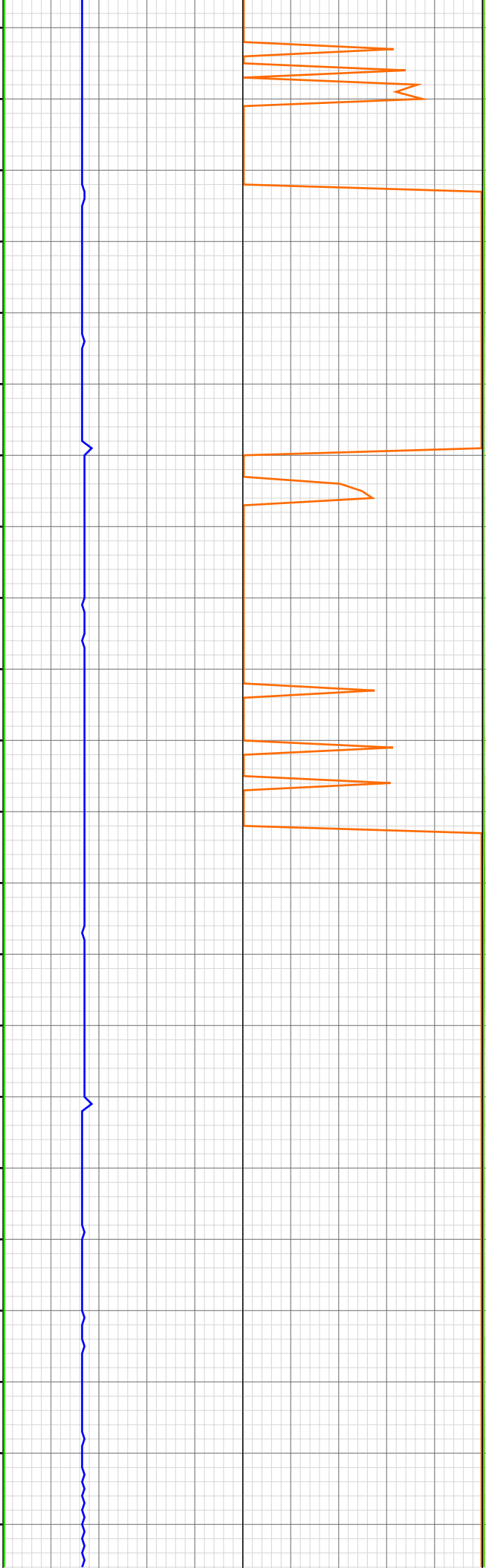








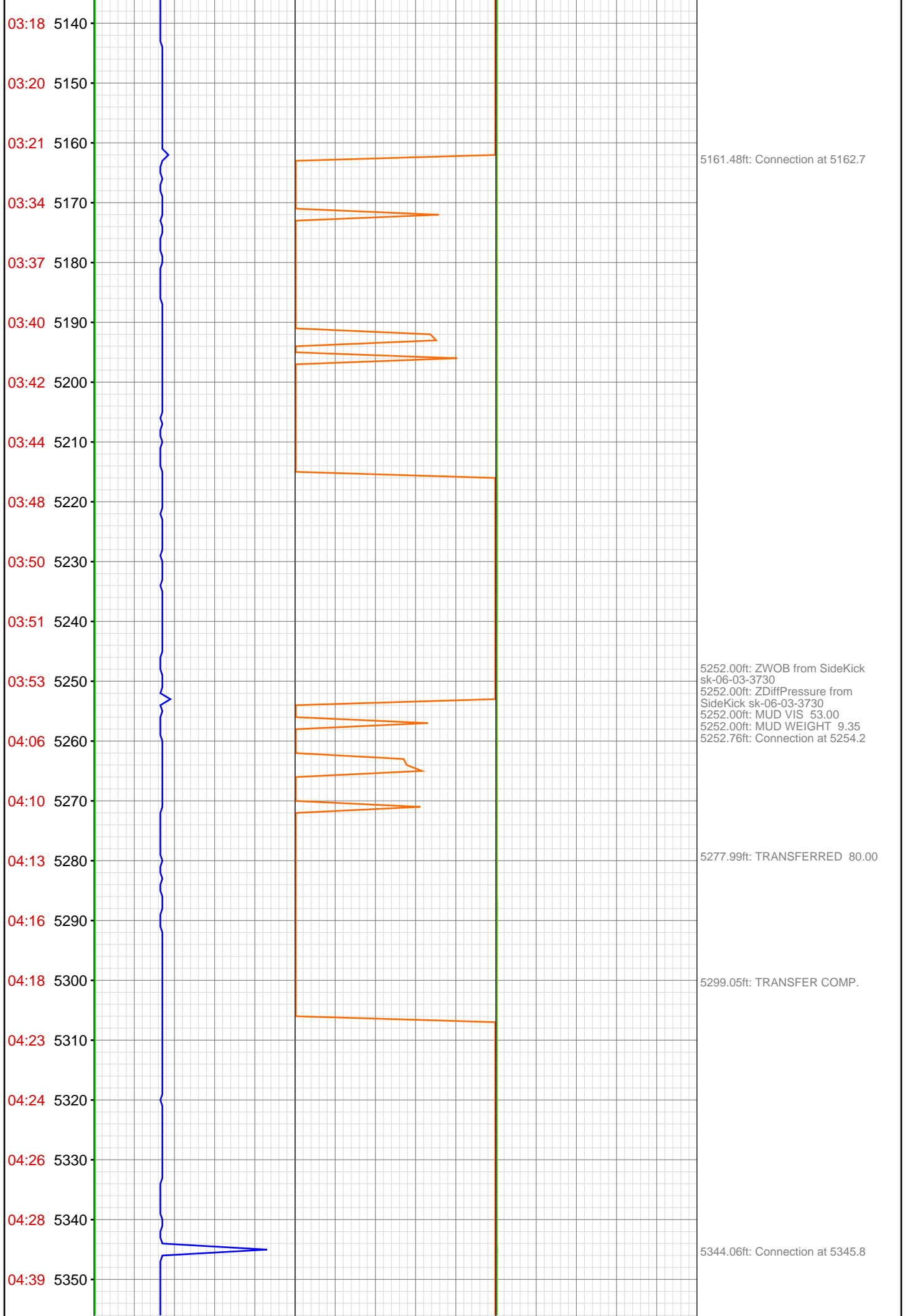
02:08 4920  
02:10 4930  
02:12 4940  
02:15 4950  
02:17 4960  
02:19 4970  
02:32 4980  
02:37 4990  
02:40 5000  
02:42 5010  
02:46 5020  
02:49 5030  
02:53 5040  
02:54 5050  
02:56 5060  
02:57 5070  
03:08 5080  
03:10 5090  
03:11 5100  
03:13 5110  
03:15 5120  
03:17 5130

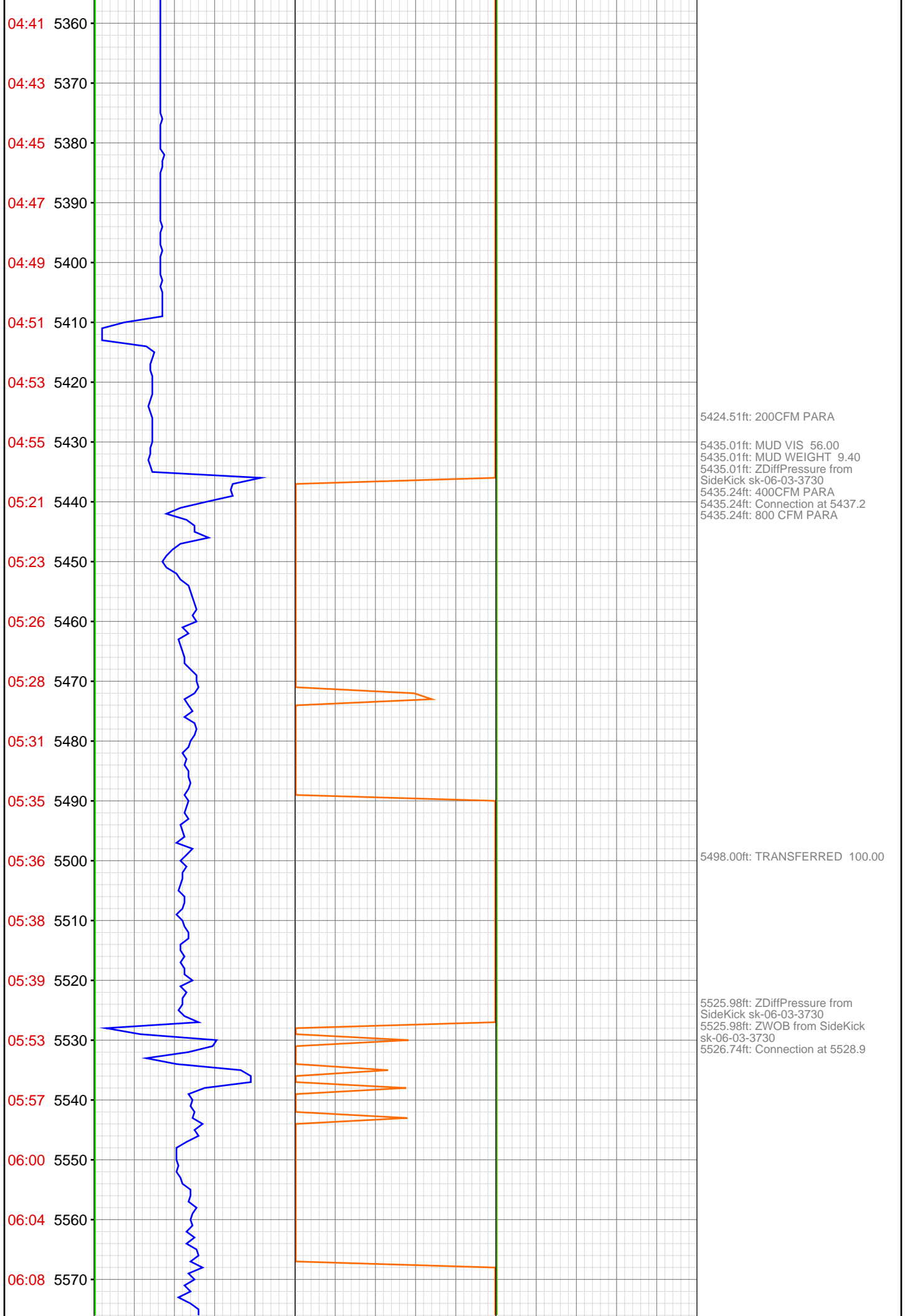


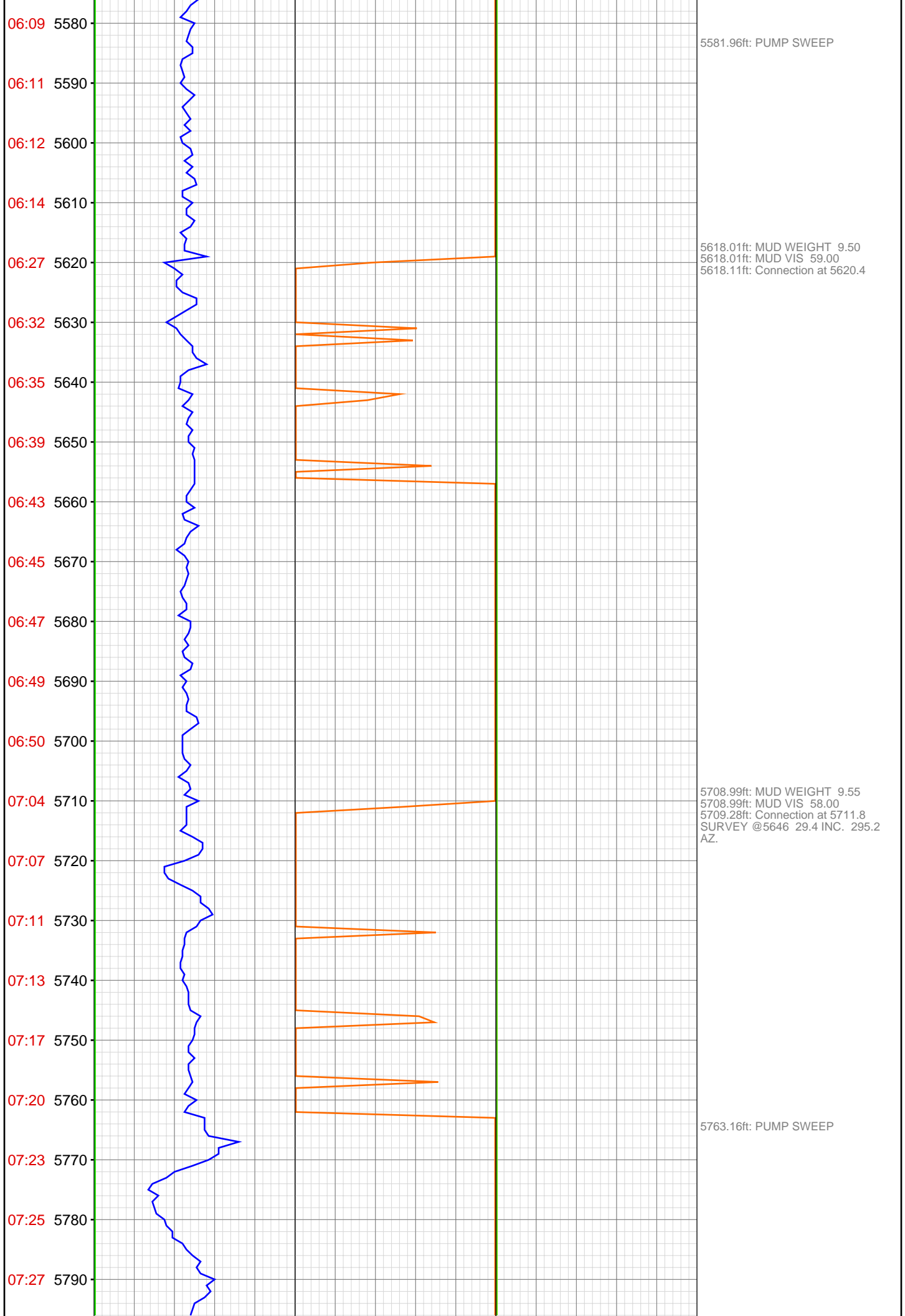
4977.99ft: ZWOB from SideKick  
sk-06-03-3730  
4977.99ft: ZDiffPressure from  
SideKick sk-06-03-3730  
4979.00ft: Connection at 4979.7

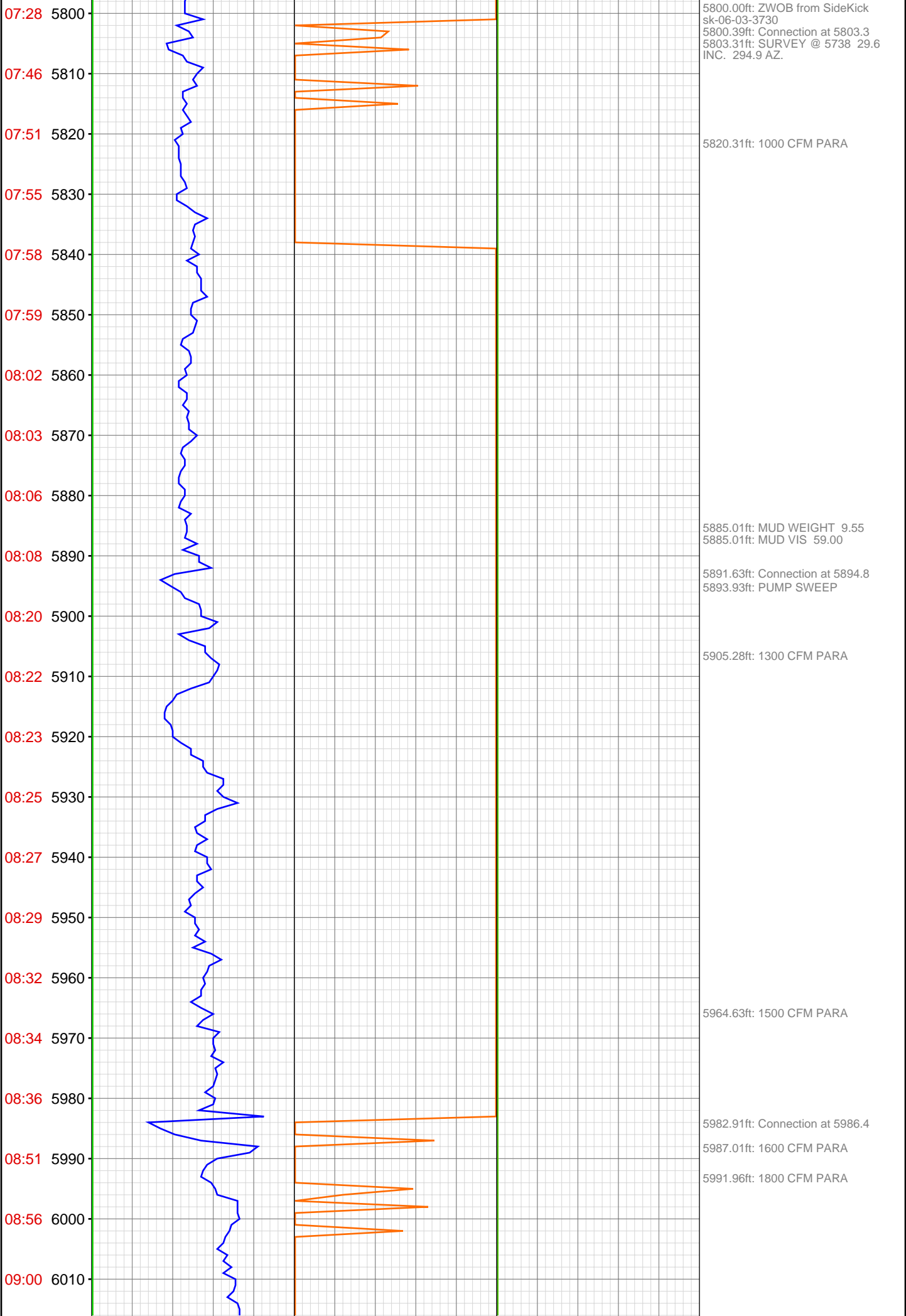
5035.99ft: MUD VIS 56.00  
5035.99ft: MUD WEIGHT 9.30

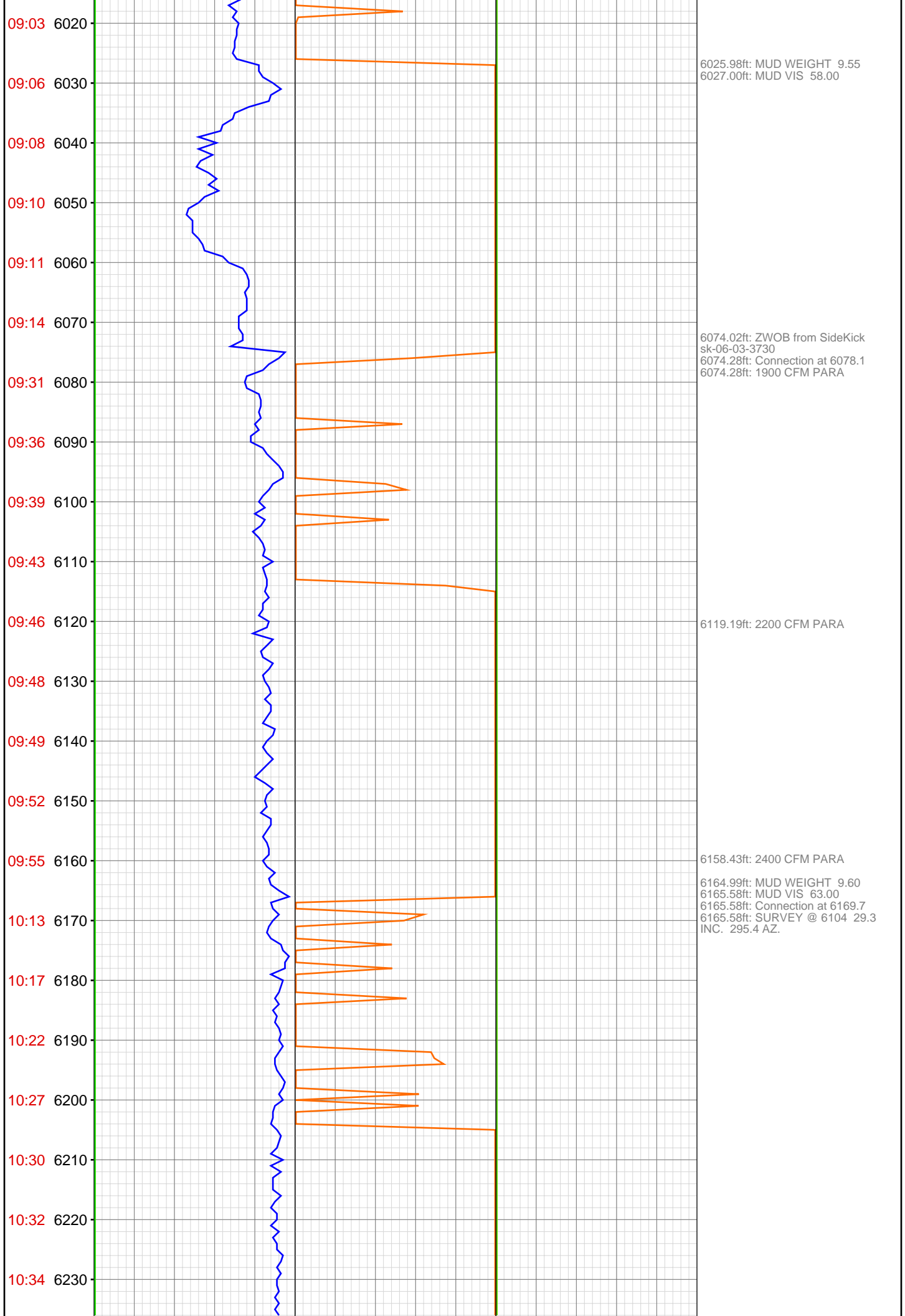
5070.14ft: Connection at 5071.1



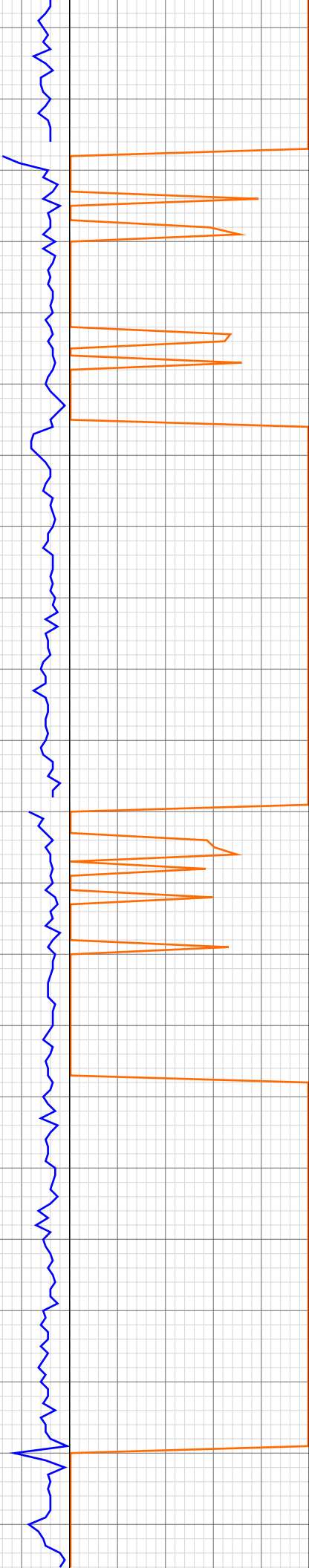








10:36 6240  
10:38 6250  
11:03 6260  
11:07 6270  
11:12 6280  
11:17 6290  
11:21 6300  
11:24 6310  
11:26 6320  
11:29 6330  
11:32 6340  
12:16 6350  
12:23 6360  
12:30 6370  
12:36 6380  
12:41 6390  
12:44 6400  
12:47 6410  
12:50 6420  
12:53 6430  
13:08 6440  
13:12 6450



6256.00ft: ZWOB from SideKick  
sk-06-03-3730  
6256.82ft: Connection at 6261.3

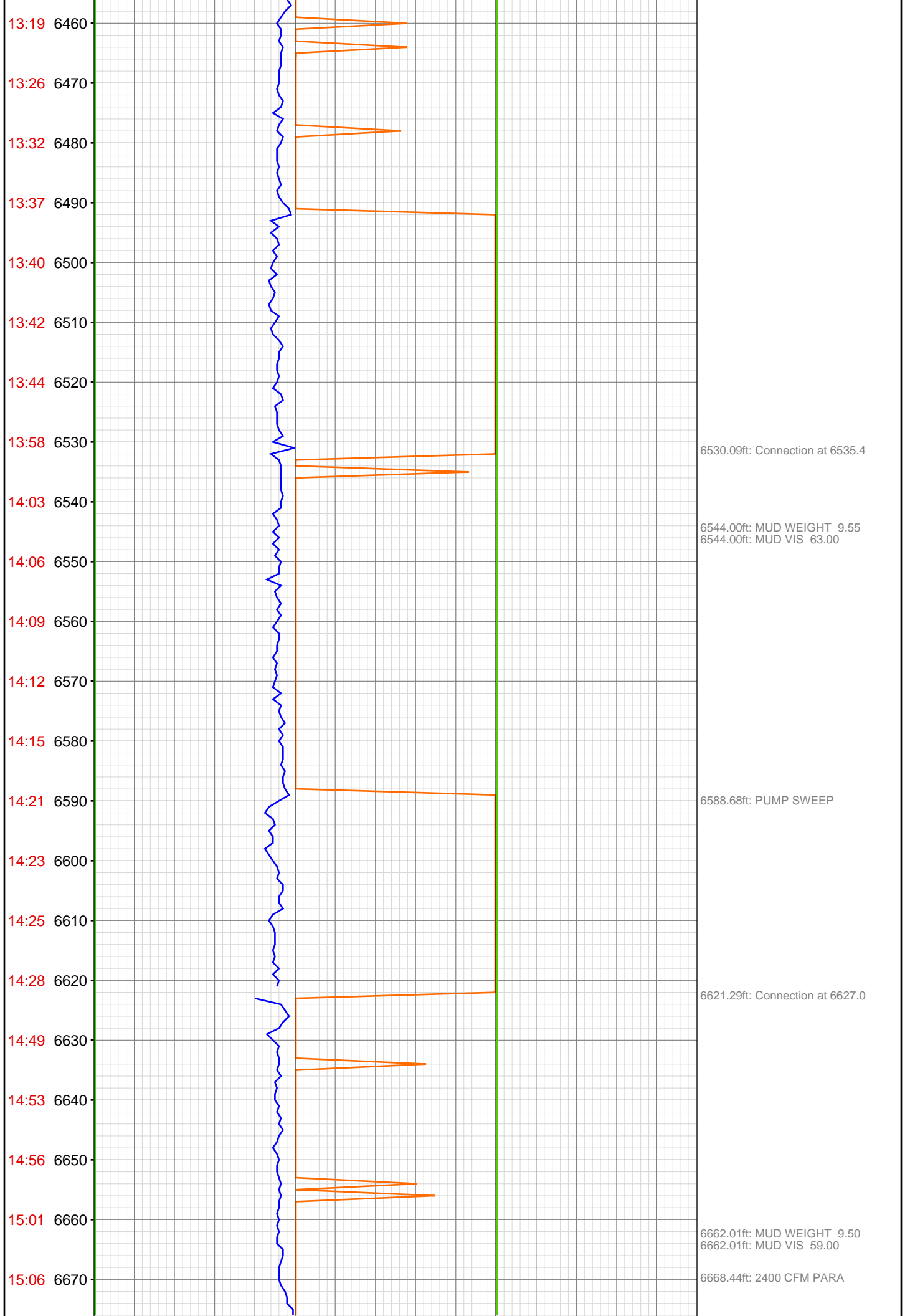
6281.99ft: MUD WEIGHT 9.60  
6281.99ft: MUD VIS 60.00

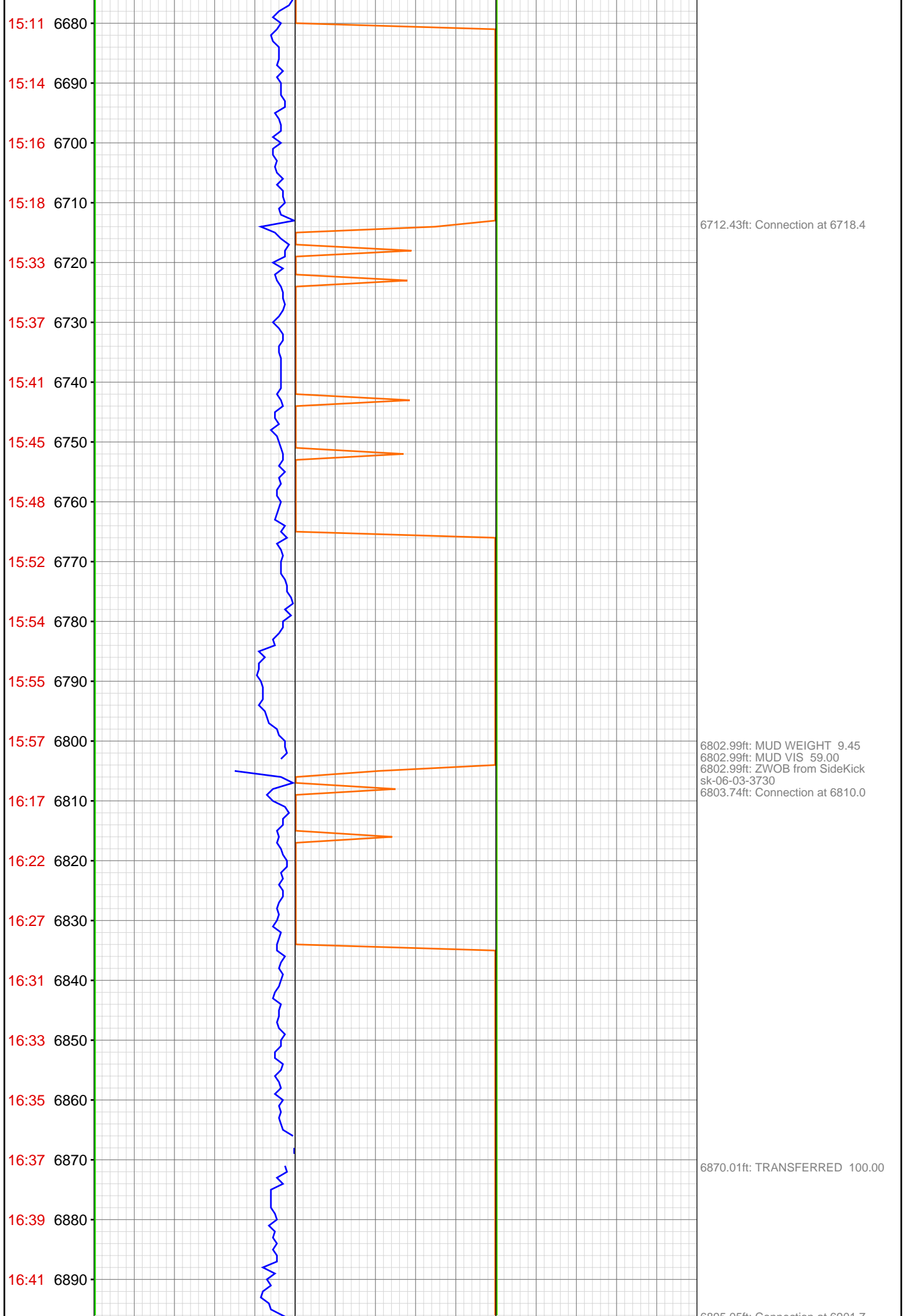
6348.00ft: TRANSFERRED 100.00  
6348.00ft: MUD WEIGHT 9.50  
6348.00ft: MUD VIS 65.00  
6348.13ft: Connection at 6352.9

6355.68ft: 2400 CFM PARA

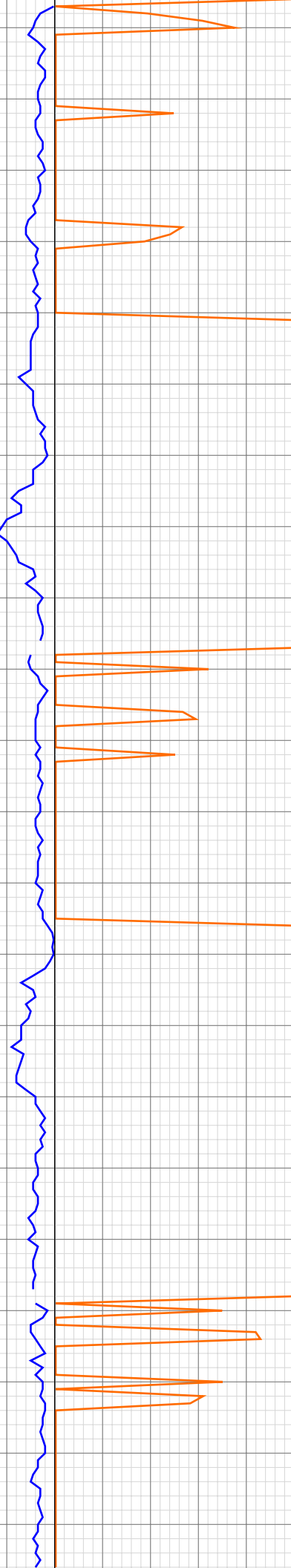
6389.83ft: PUMP SWEEP

6437.99ft: ZWOB from SideKick  
sk-06-03-3730  
6437.99ft: MUD WEIGHT 9.50  
6437.99ft: MUD VIS 60.00  
6438.75ft: Connection at 6443.9





16:57 6900  
17:01 6910  
17:04 6920  
17:08 6930  
17:13 6940  
17:15 6950  
17:17 6960  
17:19 6970  
17:22 6980  
17:41 6990  
17:46 7000  
17:50 7010  
17:55 7020  
18:01 7030  
18:03 7040  
18:05 7050  
18:07 7060  
18:09 7070  
18:44 7080  
18:52 7090  
18:59 7100  
19:05 7110



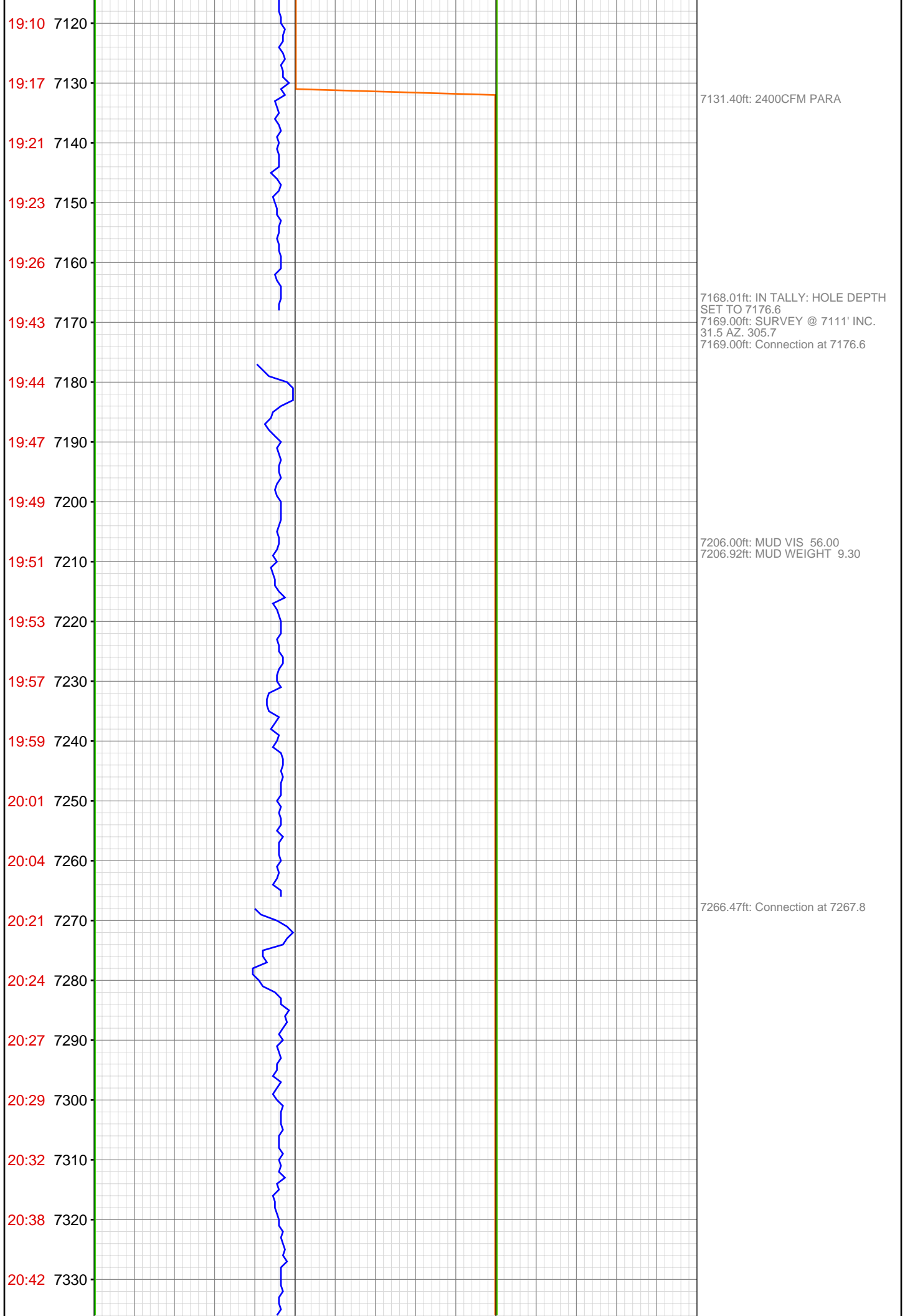
6895.05ft: Connection at 6901.7

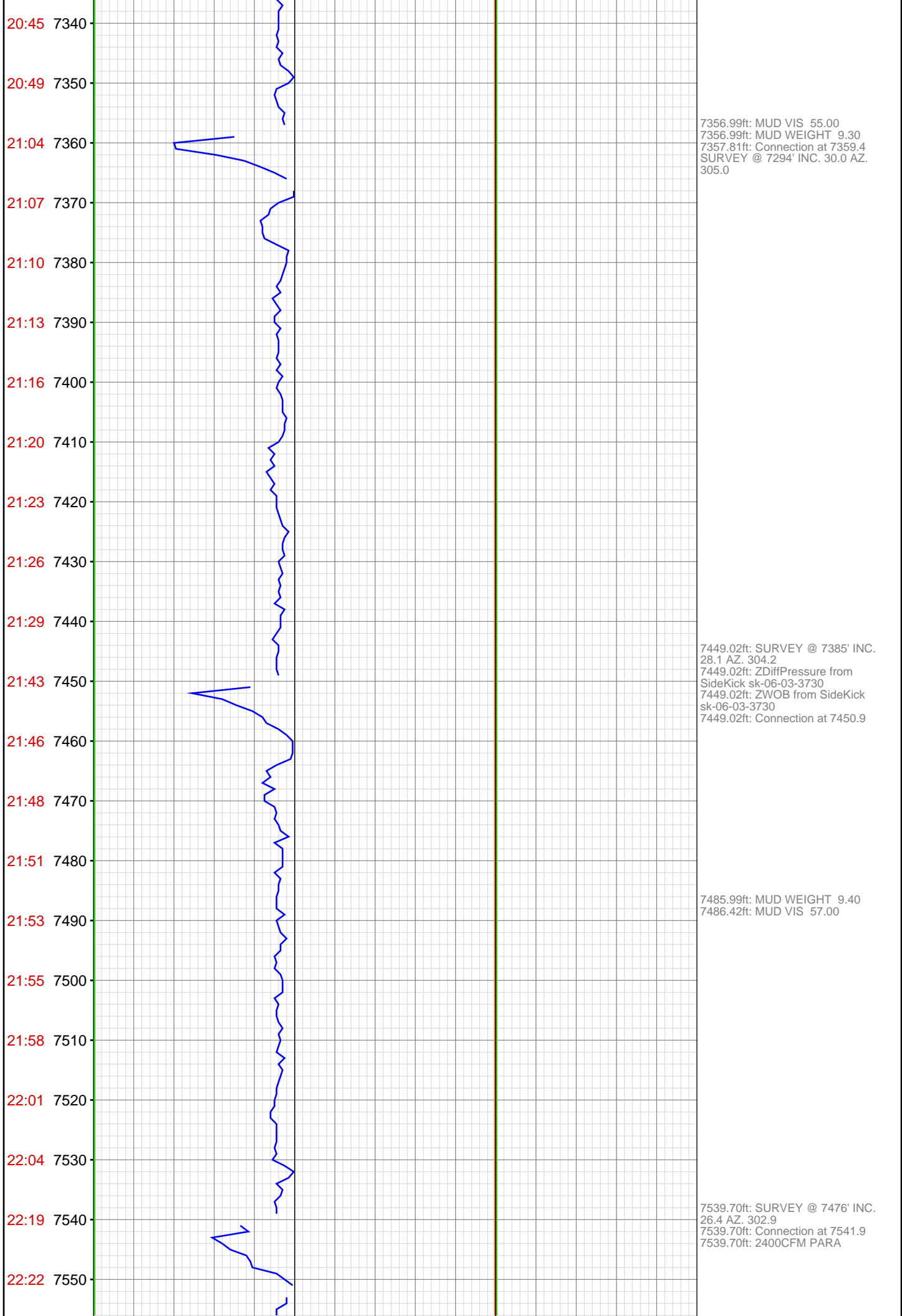
6900.00ft: TRANSFERRED 100.00

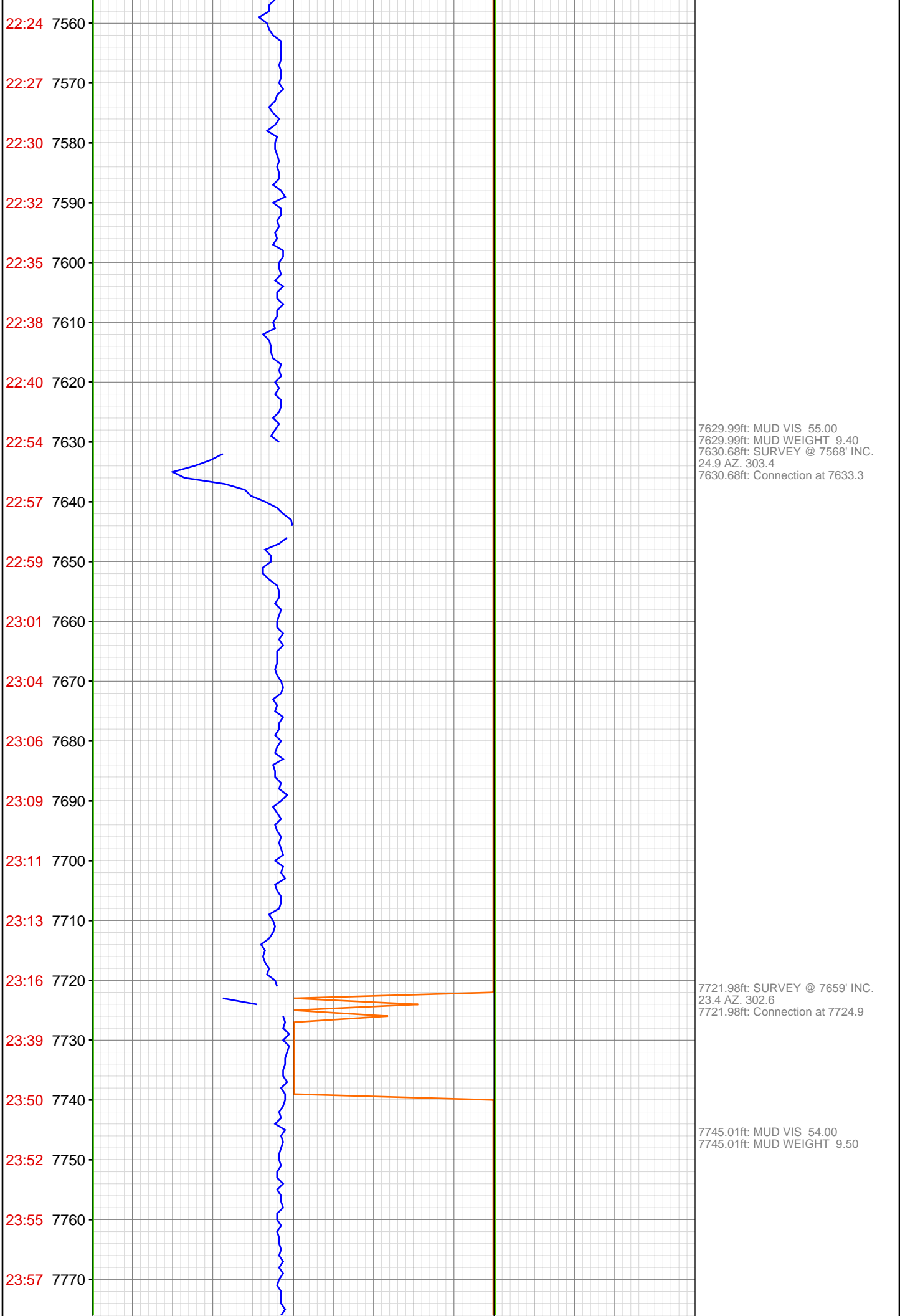
6986.55ft: Connection at 6993.5

7077.00ft: ZWOB from SideKick  
sk-06-03-3730  
7077.00ft: ZDiffPressure from  
SideKick sk-06-03-3730  
7077.00ft: MUD WEIGHT 9.40  
7077.72ft: MUD VIS 60.00  
7077.72ft: Connection at 7085.1

7094.00ft: MUD VIS 56.00  
7094.00ft: MUD WEIGHT 9.30







Jan 17, 2012

00:00 7780

00:03 7790

00:06 7800

00:11 7810

00:29 7820

00:41 7830

00:45 7840

00:48 7850

00:51 7860

00:54 7870

00:57 7880

00:59 7890

01:02 7900

01:17 7910

01:19 7920

01:21 7930

01:24 7940

01:26 7950

01:32 7960

01:35 7970

01:37 7980

01:39 7990

7812.99ft: ZWOB from SideKick  
sk-06-03-3730  
7812.99ft: ZDiffPressure from  
SideKick sk-06-03-3730  
7813.19ft: Connection at 7816.4  
7813.19ft: SURVEY @ 7751' INC.  
21.6 AZ. 299.4

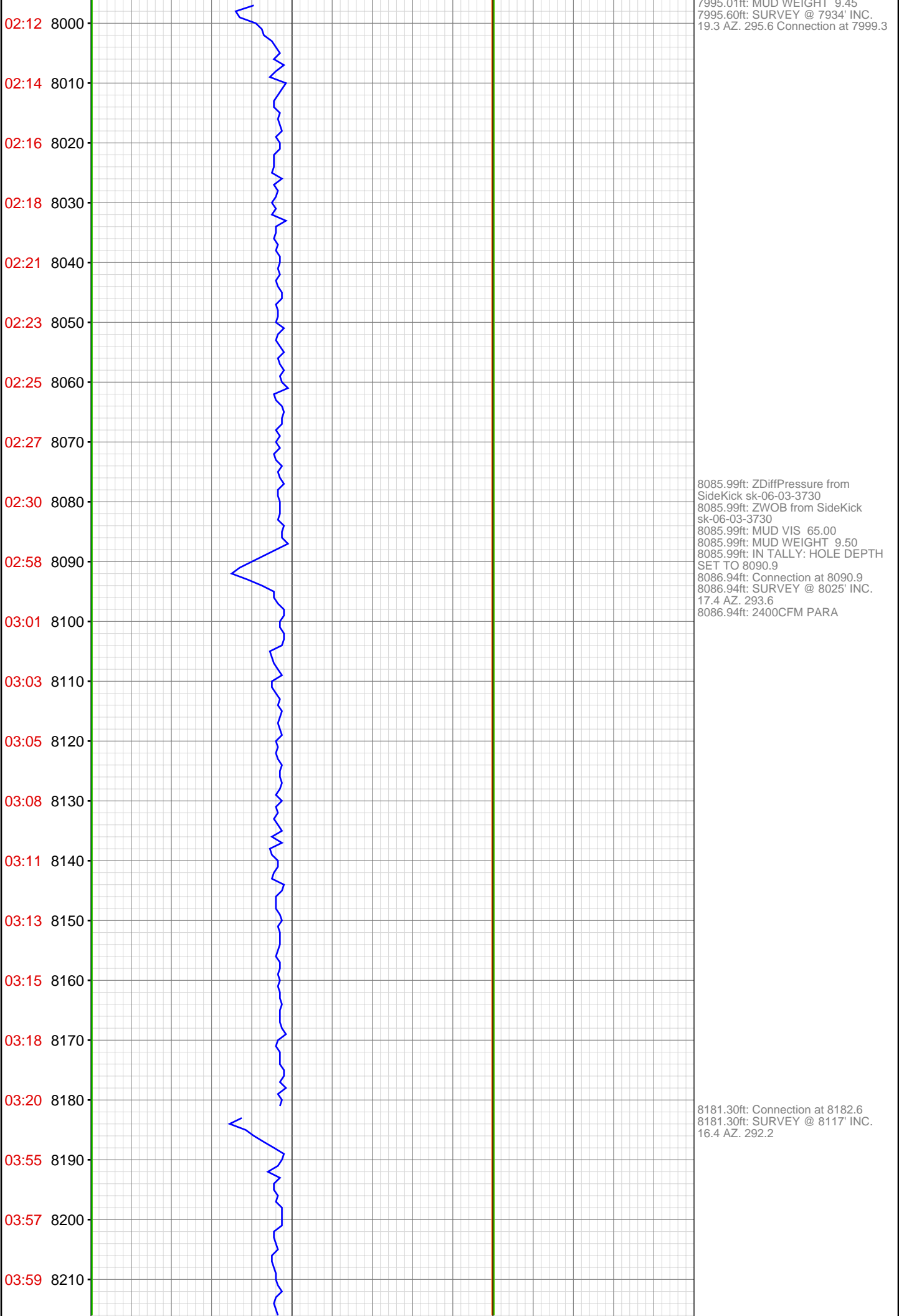
7858.01ft: MUD VIS 57.00  
7858.01ft: MUD WEIGHT 9.50

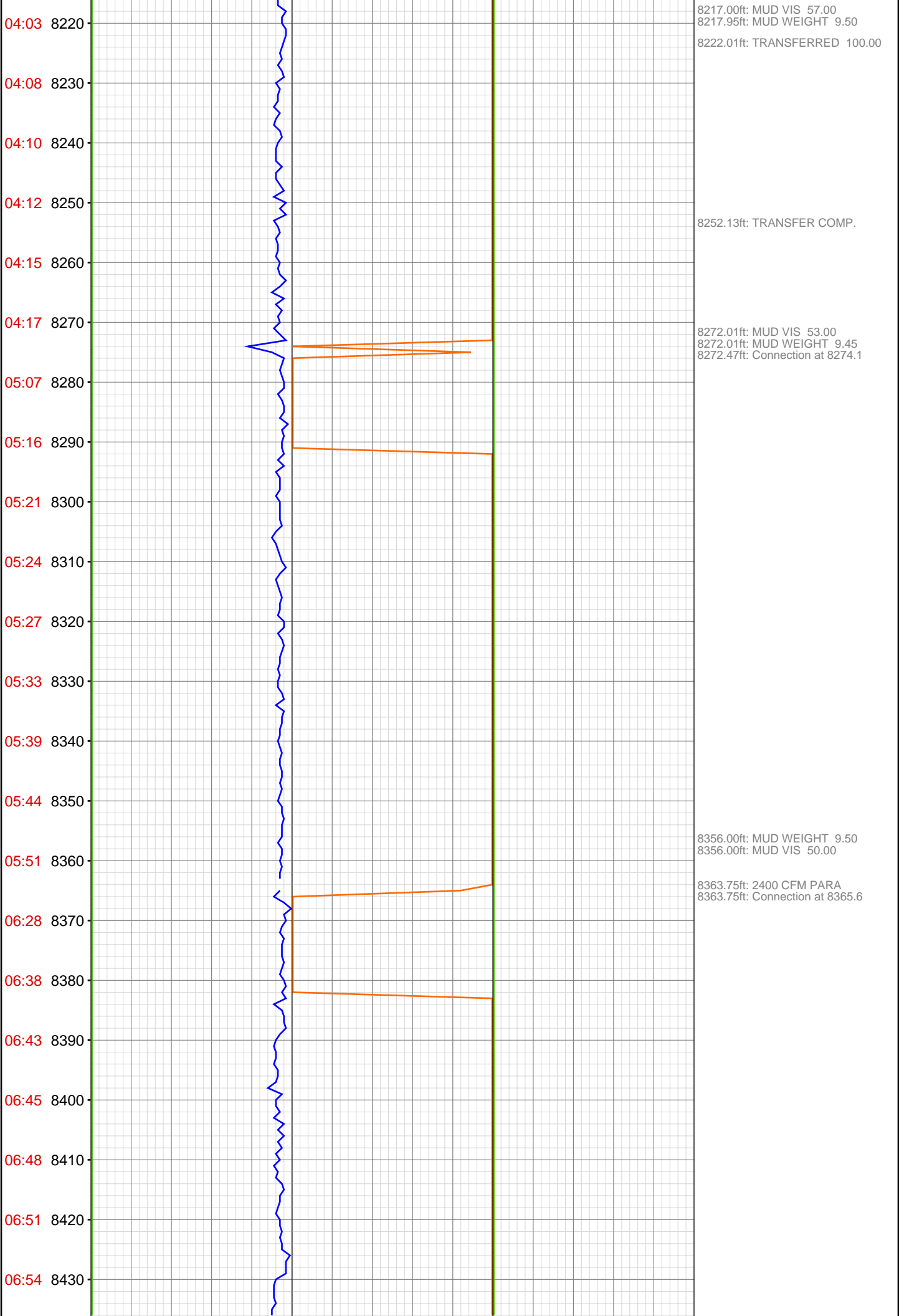
7871.85ft: 2400CFM PARA

7904.27ft: SURVEY @ 7842' INC.  
20.5 AZ. 296.4  
7904.27ft: Connection at 7907.7

7974.02ft: TRANSFERRED 50.00

7995.01ft: MUD VIS 57.00  
7995.01ft: MUD WEIGHT 9.50





06:56 8440

06:59 8450

07:43 8460

07:52 8470

08:00 8480

08:04 8490

08:07 8500

08:11 8510

08:14 8520

08:17 8530

08:22 8540

09:01 8550

09:10 8560

09:19 8570

09:24 8580

09:28 8590

09:32 8600

09:36 8610

09:42 8620

09:48 8630

10:21 8640

10:29 8650

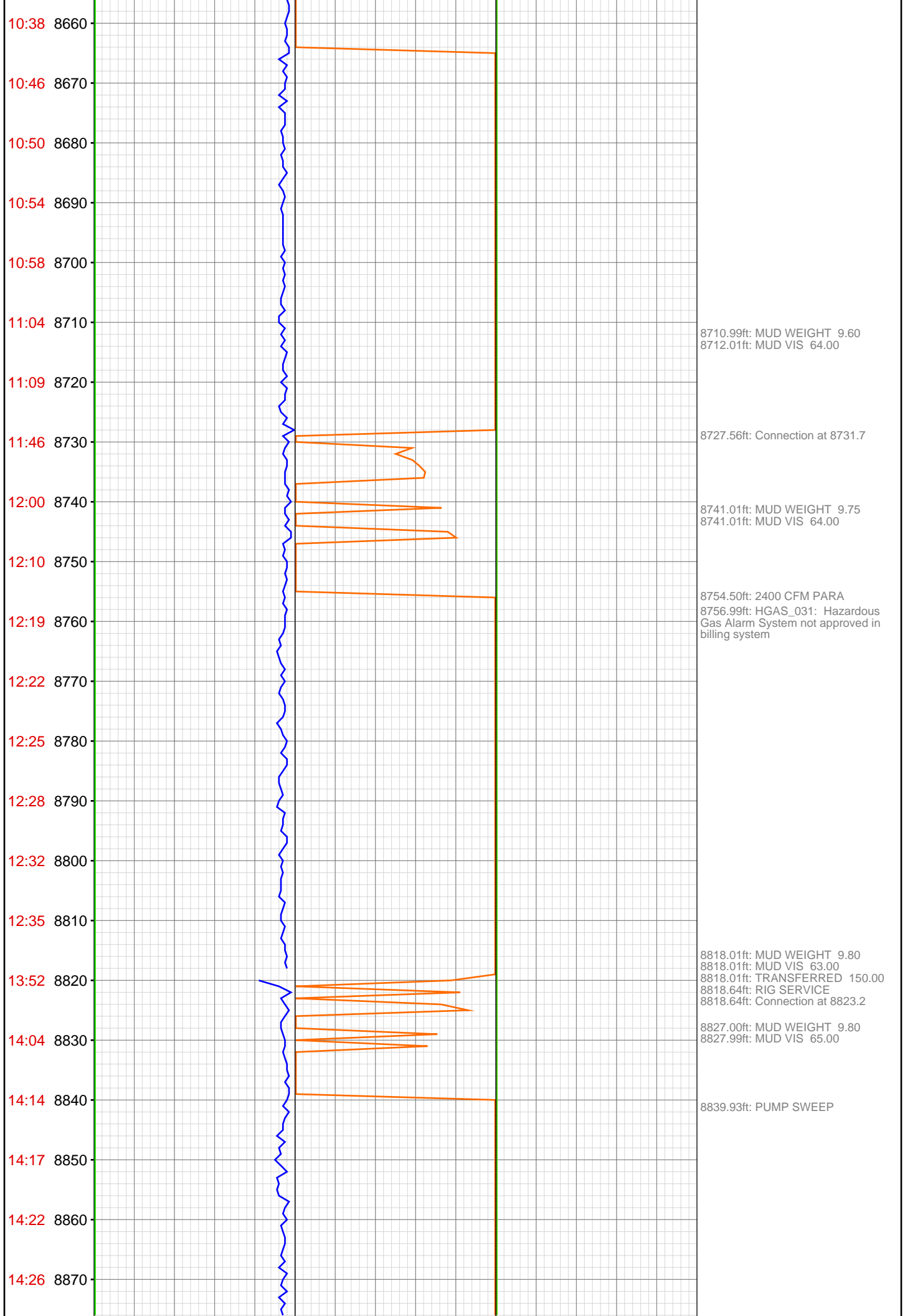
8454.00ft: MUD WEIGHT 9.50  
8454.00ft: MUD VIS 53.00  
8454.00ft: ZDiffPressure from  
SideKick sk-06-03-3730  
8454.00ft: ZWOB from SideKick  
sk-06-03-3730  
8454.86ft: Connection at 8457.2  
8462.01ft: 2400 CFM PARA

8487.93ft: PUMP SWEEP

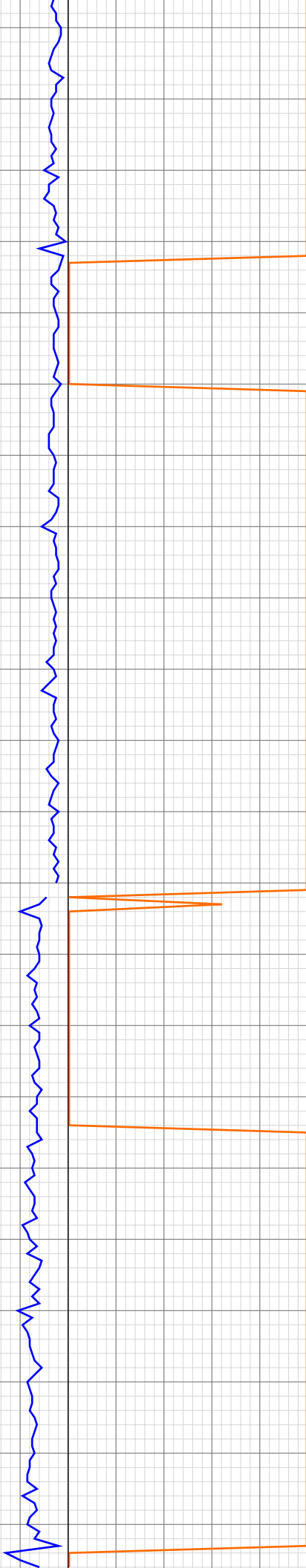
8514.99ft: MUD WEIGHT 9.50  
8514.99ft: MUD VIS 52.00

8545.77ft: ZWOB from SideKick  
sk-06-03-3730  
8545.77ft: Connection at 8548.8

8635.99ft: MUD WEIGHT 9.55  
8636.65ft: MUD VIS 59.00  
8636.65ft: Connection at 8640.3



14:32 8880  
14:35 8890  
14:37 8900  
15:10 8910  
15:18 8920  
15:28 8930  
15:32 8940  
15:37 8950  
15:42 8960  
15:46 8970  
15:52 8980  
15:55 8990  
15:59 9000  
18:29 9010  
18:40 9020  
18:52 9030  
19:00 9040  
19:03 9050  
19:08 9060  
19:12 9070  
19:17 9080  
19:20 9090



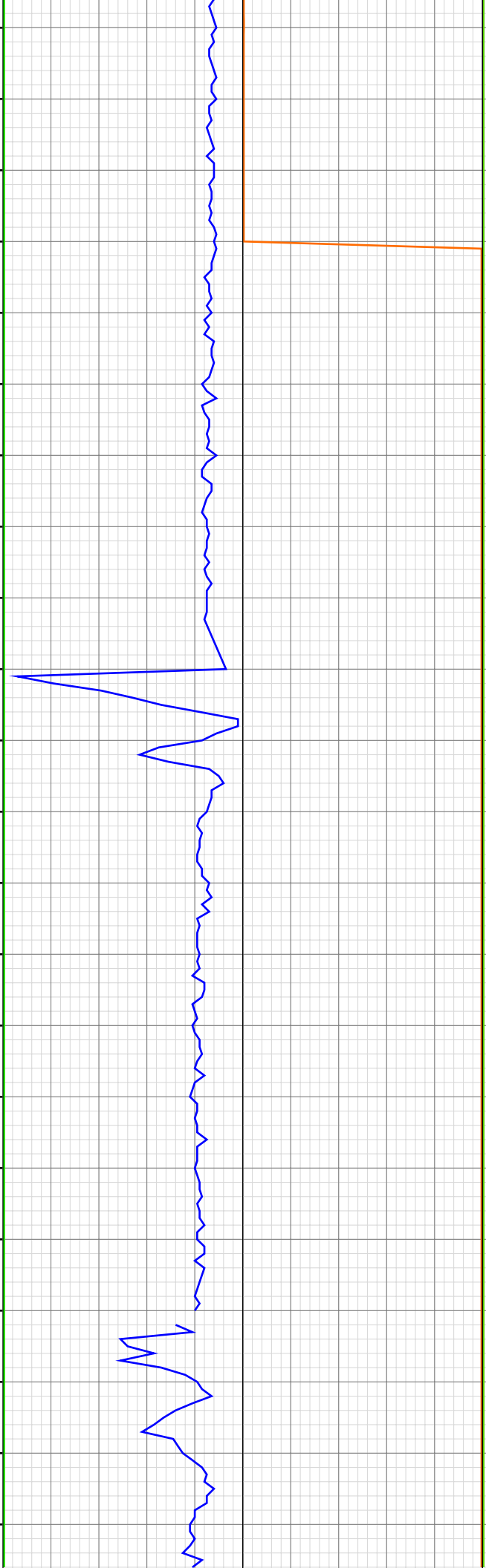
8908.99ft: MUD WEIGHT 9.70  
8908.99ft: MUD VIS 64.00  
8909.78ft: Connection at 8914.8  
8913.98ft: 2400 CFM PARA

9000.00ft: MUD VIS 62.00  
9000.00ft: MUD VIS 60.00  
9000.00ft: MUD WEIGHT 9.70  
9000.00ft: MUD VIS 64.00  
9000.00ft: MUD WEIGHT 9.70  
9000.98ft: AIR BYPASSED  
9000.98ft: MUD WEIGHT 9.70  
9000.98ft: START AIR PILLS  
9000.98ft: 200CFM PARA  
9000.98ft: 600CFM PARA  
9000.98ft: 1000CFM PARA  
9000.98ft: 1400CFM PARA  
9000.98ft: 1800CFM PARA  
9000.98ft: 2000CFM PARA  
9000.98ft: Connection at 9006.4

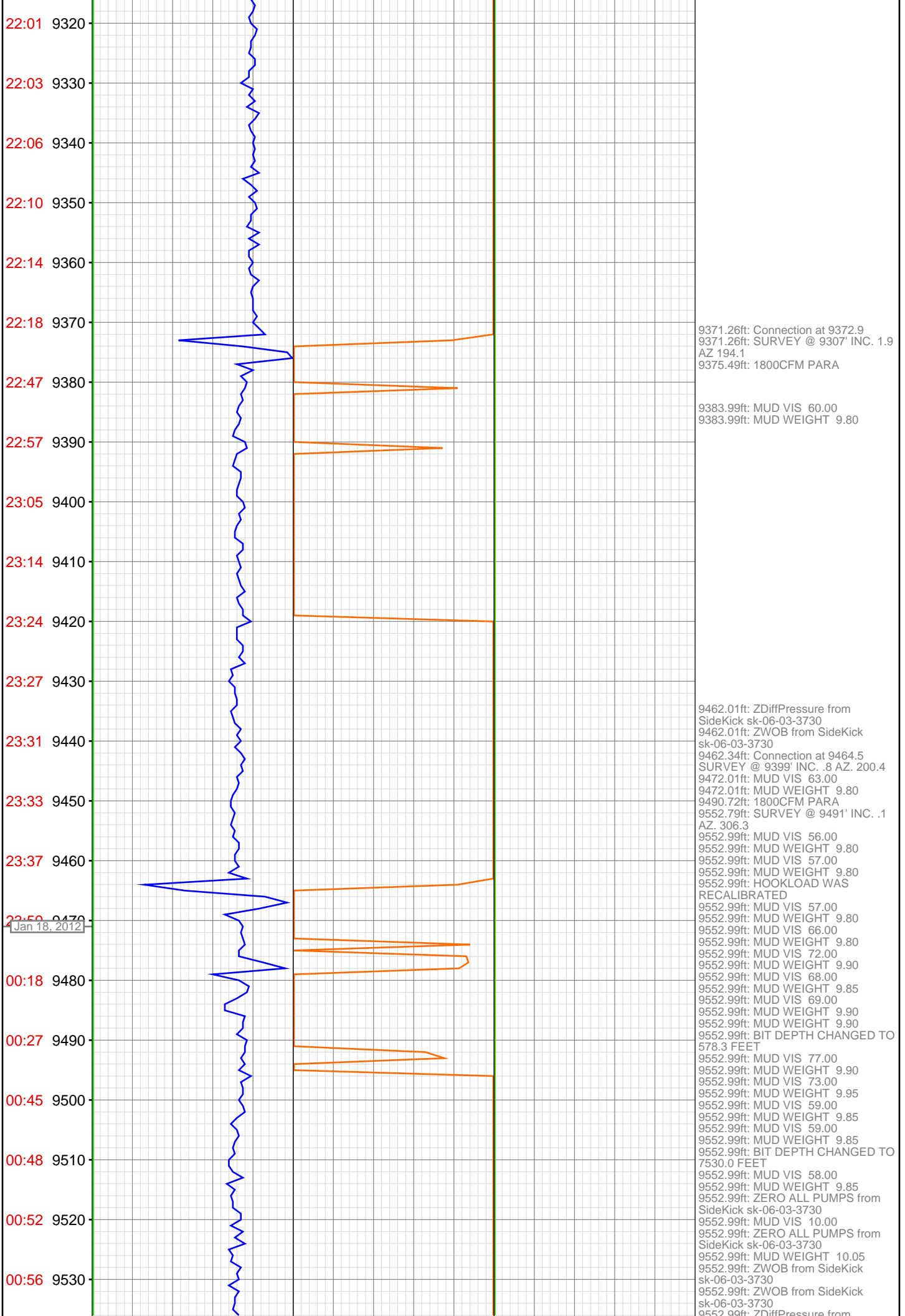
9031.00ft: MUD VIS 68.00  
9031.50ft: MUD WEIGHT 9.70

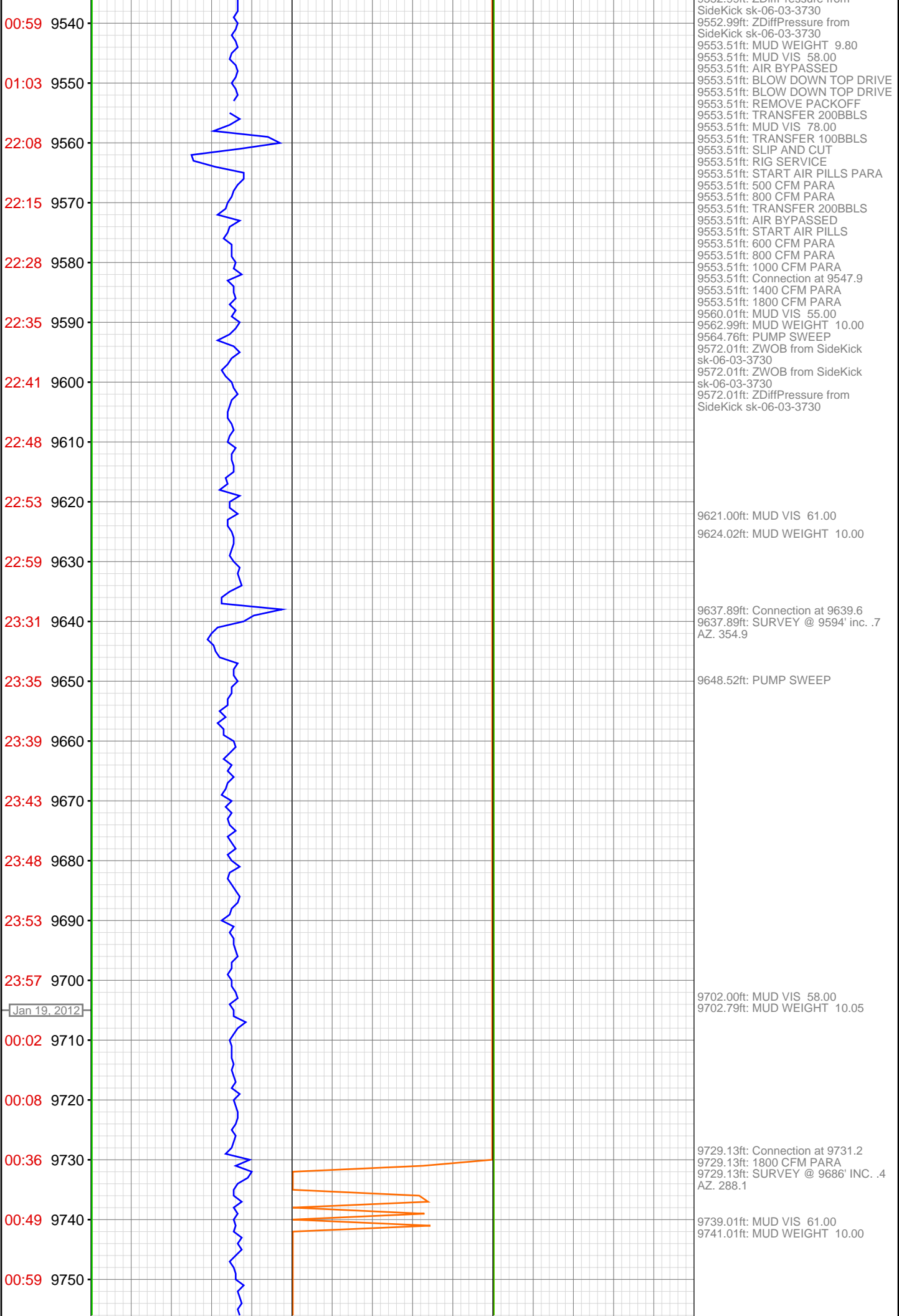
9092.00ft: ZWOB from SideKick  
sk-06-03-3730  
9092.00ft: ZDiffPressure from  
SideKick sk-06-03-3730  
9092.03ft: Connection at 9098.0

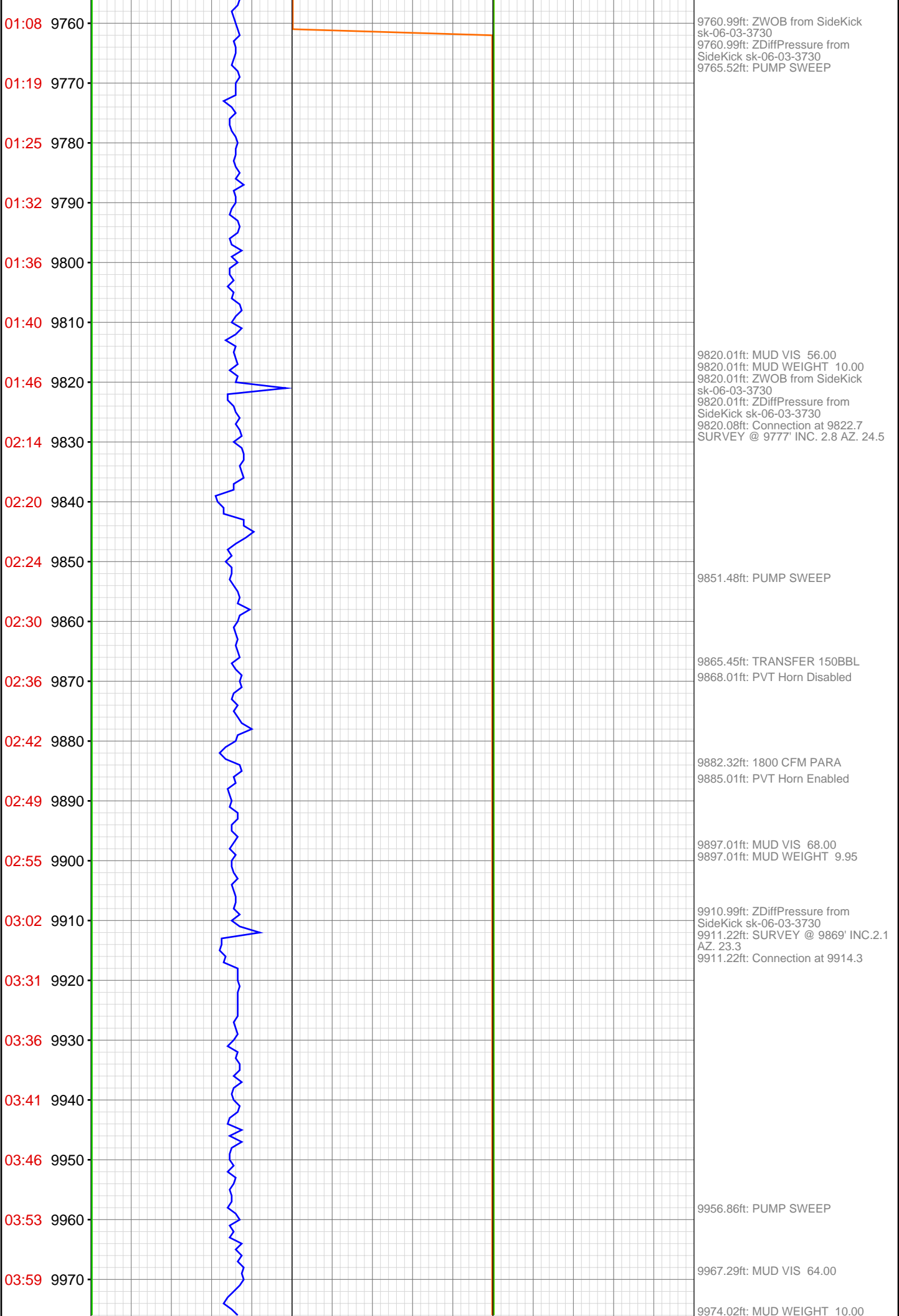
19:46 9100  
19:55 9110  
20:02 9120  
20:16 9130  
20:24 9140  
20:28 9150  
20:32 9160  
20:35 9170  
20:40 9180  
20:55 9190  
20:59 9200  
21:03 9210  
21:07 9220  
21:13 9230  
21:17 9240  
21:20 9250  
21:24 9260  
21:28 9270  
21:46 9280  
21:51 9290  
21:55 9300  
21:57 9310



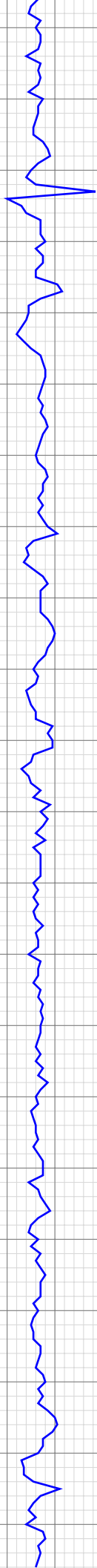
9092.03ft: Connection at 9093.0  
9092.03ft: SURVEY @ 9033' INC. 1.7  
AZ. 261.7  
9100.53ft: 2000CFM PARA  
9104.99ft: MUD VIS 61.00  
9104.99ft: MUD WEIGHT 9.70  
  
9183.17ft: Connection at 9189.7  
9183.17ft: SURVEY @ 9124' INC. .5  
AZ. 183.3  
9183.17ft: IN TALLY: HOLE DEPTH  
SET TO 9189.7  
  
9197.05ft: 1900CFM PARA  
9200.98ft: MUD VIS 58.00  
9200.98ft: MUD WEIGHT 9.75  
  
9280.09ft: SURVEY @ 9216' INC. 1.2  
AZ. 180.9  
9280.09ft: Connection at 9281.3  
  
9298.00ft: MUD VIS 64.00  
9298.00ft: MUD WEIGHT 9.80



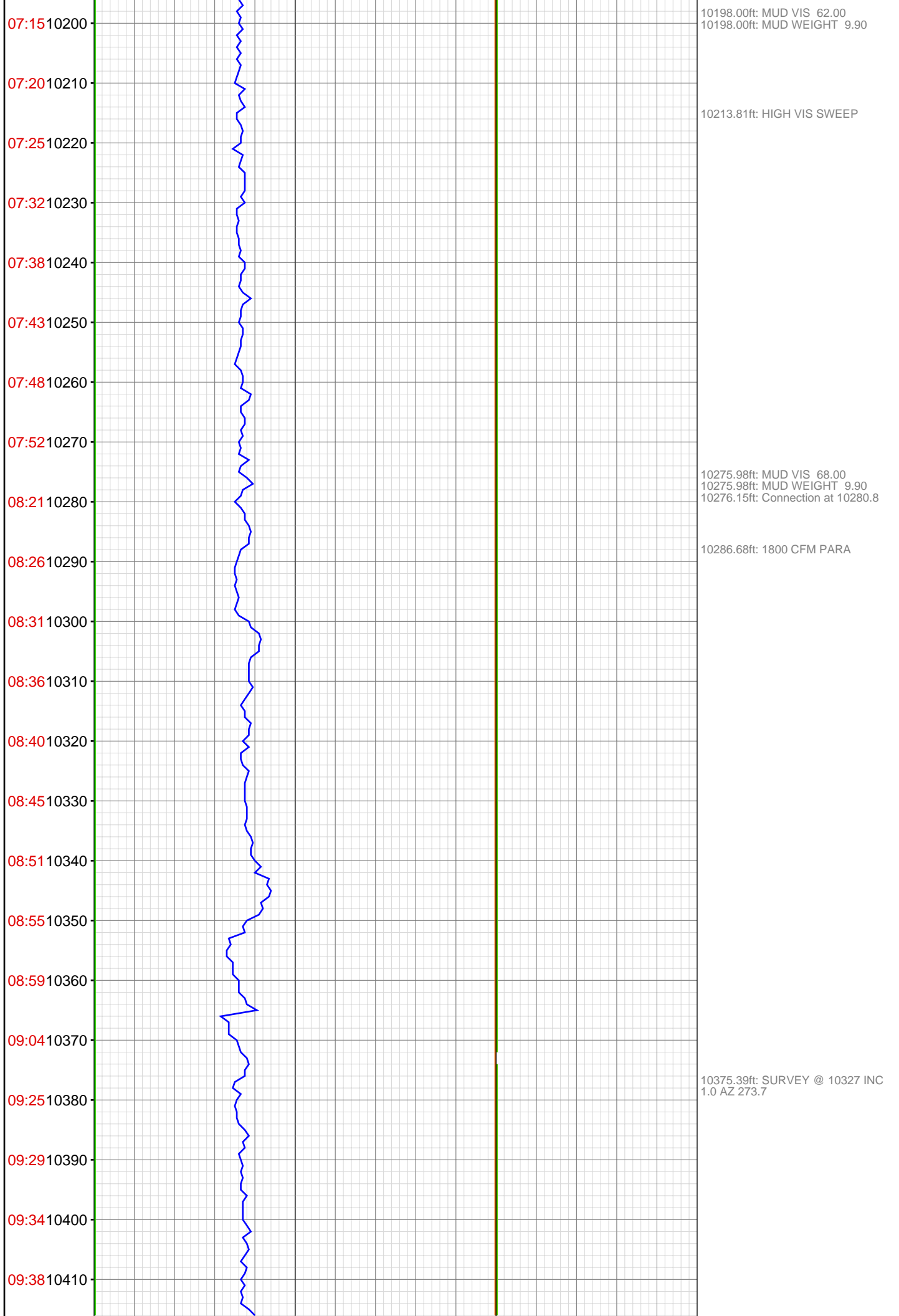




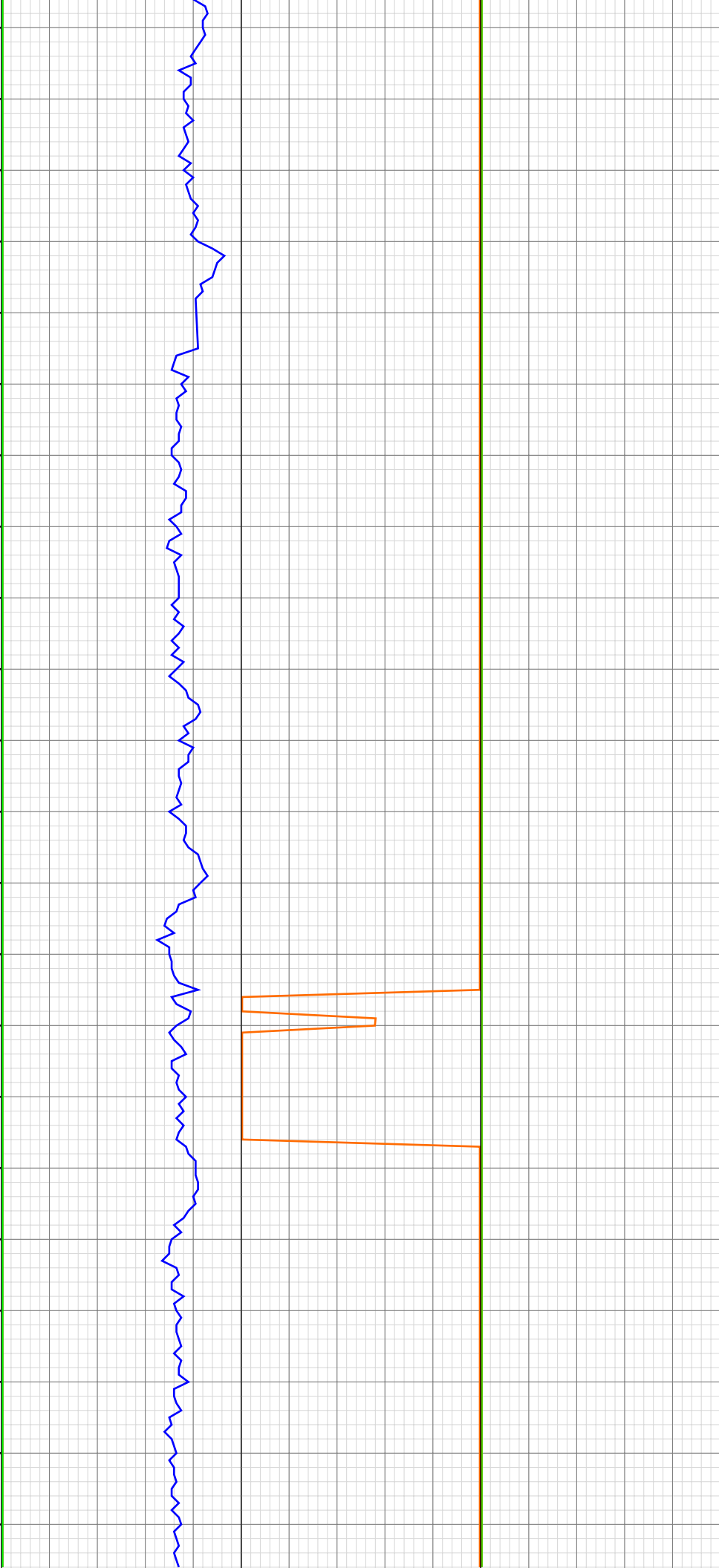
04:04 9980  
04:11 9990  
04:15 10000  
04:45 10010  
04:52 10020  
04:57 10030  
05:05 10040  
05:11 10050  
05:17 10060  
05:22 10070  
05:28 10080  
05:35 10090  
06:04 10100  
06:09 10110  
06:16 10120  
06:21 10130  
06:27 10140  
06:33 10150  
06:38 10160  
06:43 10170  
06:48 10180  
07:09 10190



10002.00ft: ZWOB from SideKick  
sk-06-03-3730  
10002.00ft: ZWOB from SideKick  
sk-06-03-3730  
10002.00ft: ZDiffPressure from  
SideKick sk-06-03-3730  
10002.49ft: SURVEY @ 9961' INC.  
1.5 AZ. 16.1  
10002.49ft: Connection at 10006.0  
10007.58ft: 1800 CFM PARA  
  
10035.01ft: MUD VIS 58.00  
10037.01ft: MUD WEIGHT 9.95  
  
10093.01ft: MUD VIS 64.00  
10093.01ft: ZWOB from SideKick  
sk-06-03-3730  
10093.01ft: ZDiffPressure from  
SideKick sk-06-03-3730  
10093.01ft: MUD WEIGHT 9.85  
10093.57ft: SURVEY @ 10052' INC.  
.9 AZ. 10.8  
10093.57ft: Connection at 10097.6  
  
10184.97ft: Connection at 10097.6  
10184.97ft: Connection at 10189.3  
10184.97ft: SURVEY 10144 INC .7  
AZ 336.5



09:42 10420  
09:46 10430  
09:50 10440  
09:53 10450  
10:14 10460  
10:17 10470  
10:22 10480  
10:27 10490  
10:32 10500  
10:37 10510  
10:42 10520  
10:47 10530  
10:52 10540  
10:56 10550  
11:22 10560  
11:37 10570  
11:53 10580  
11:57 10590  
12:00 10600  
12:05 10610  
12:09 10620  
12:14 10630



10425.53ft: SURVEY @ 1235 inc .6  
az 304.0  
10429.99ft: MUD VIS 58.00  
10429.99ft: MUD WEIGHT 9.90  
10430.48ft: Connection at 10372.5  
10433.99ft: IN TALLY: HOLE DEPTH  
SET TO 10464.1

10458.01ft: IN TALLY: HOLE DEPTH  
SET TO 10464.1  
10458.20ft: Connection at 10464.0  
10458.20ft: SURVEY @ 10419 inc 1.4  
az 247.7

10467.00ft: IN TALLY: HOLE DEPTH  
SET TO 10372.6  
10469.95ft: HIGH VIS SWEEP

10475.56ft: TRANSFER 100BBLs

10504.99ft: MUD VIS 65.00

10510.27ft: MUD WEIGHT 9.90

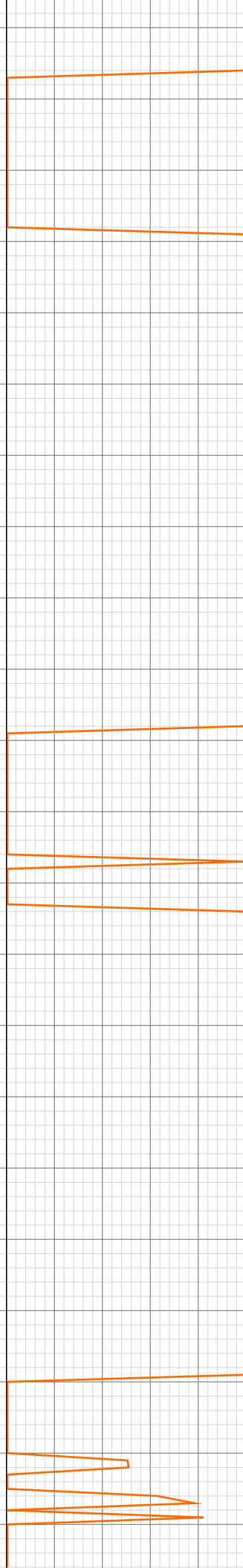
10526.38ft: 1800 CFM PARA

10554.95ft: Connection at 10555.8  
10554.95ft: SURVEY @ 10510 inc 1.7  
az 230.9

10567.00ft: MUD VIS 66.00  
10567.00ft: MUD WEIGHT 9.90

10604.59ft: HIGH VIS SWEEP

12:18 10640  
12:42 10650  
12:53 10660  
13:07 10670  
13:14 10680  
13:19 10690  
13:24 10700  
13:30 10710  
13:34 10720  
13:40 10730  
14:04 10740  
14:16 10750  
14:31 10760  
14:43 10770  
14:49 10780  
14:53 10790  
14:57 10800  
15:01 10810  
15:05 10820  
15:36 10830  
15:48 10840  
16:01 10850

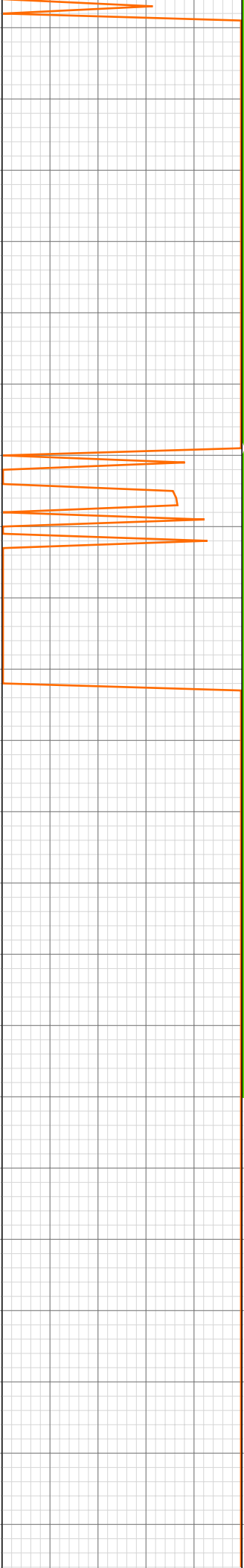


10645.01ft: MUD WEIGHT 9.90  
10645.96ft: Connection at 10647.4  
10645.96ft: MUD VIS 63.00

10737.21ft: Connection at 10739.0  
10741.73ft: SURVEY @ 10694 inc 1.0  
az 220.9  
10744.00ft: MUD VIS 69.00  
10744.00ft: MUD WEIGHT 9.95  
10744.82ft: 1800 CFM PARA

10827.99ft: MUD VIS 74.00  
10827.99ft: MUD WEIGHT 10.00  
10828.02ft: Connection at 10830.3

16:16 10860  
17:04 10870  
17:13 10880  
17:19 10890  
17:24 10900  
17:28 10910  
18:24 10920  
18:45 10930  
18:58 10940  
19:11 10950  
19:26 10960  
19:30 10970  
19:37 10980  
19:43 10990  
19:48 11000  
19:53 11010  
20:16 11020  
20:21 11030  
20:26 11040  
20:32 11050  
20:37 11060  
20:42 11070



10864.01ft: ZDiffPressure from  
SideKick sk-06-03-3730  
10866.01ft: ZWOB from SideKick  
sk-06-03-3730

10881.00ft: 1800 CFM PARA

10906.99ft: MUD VIS 63.00  
10906.99ft: MUD WEIGHT 10.00  
10908.46ft: MUD VIS. 73

10918.83ft: RIG SERVICE  
10918.83ft: SURVEY @ 10877' INC.  
.9 AZ. 252.3  
10918.83ft: Connection at 10922.0  
10918.83ft: SURVEY @ 10877' INC.  
.9 AZ. 252.8

10923.00ft: MUD VIS 87.00  
10923.88ft: MUD WEIGHT 10.00

10946.52ft: 1800 CFM PARA

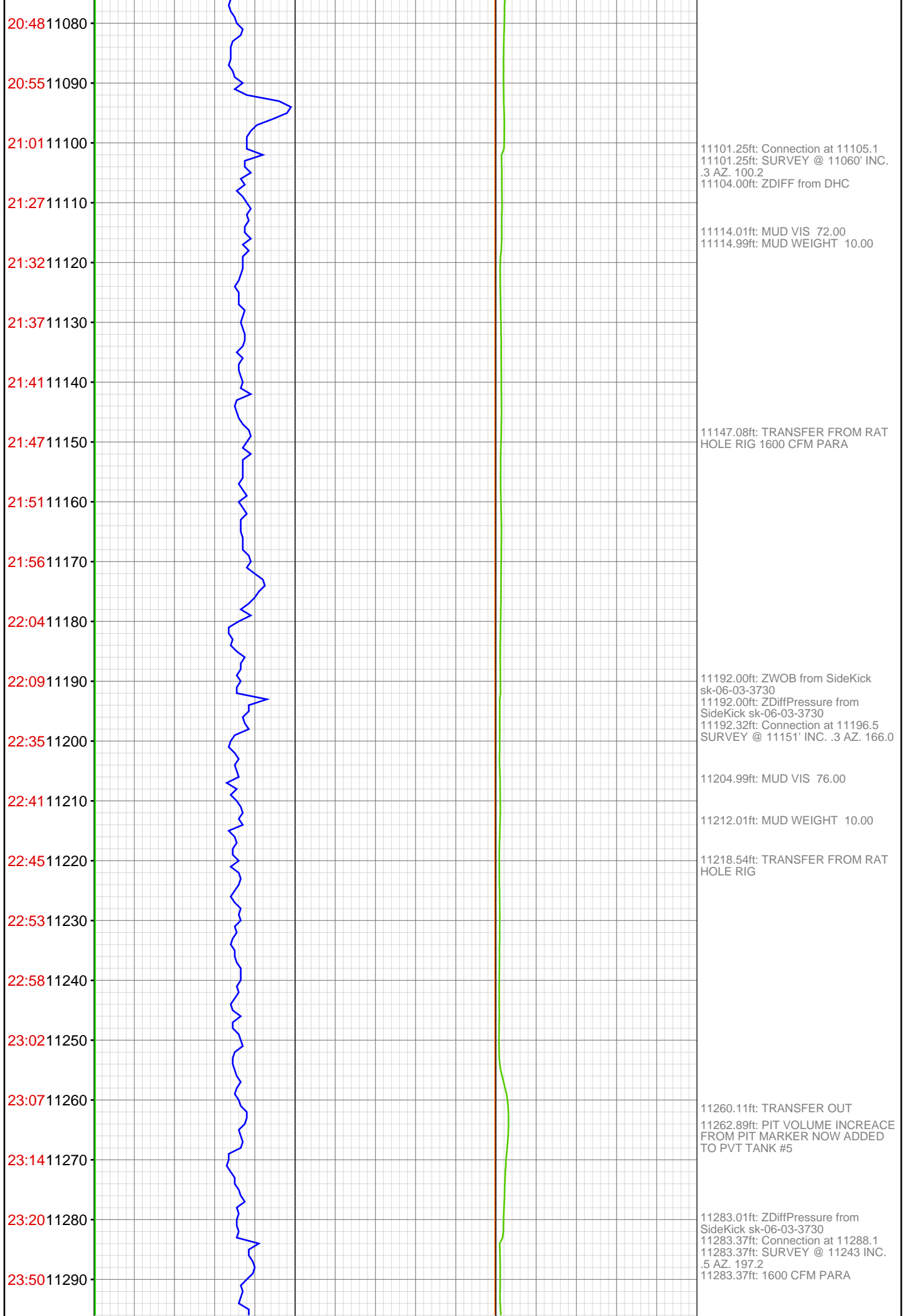
10954.23ft: HIGH VIS SWEEP

10962.01ft: MUD VIS 73.00  
10962.99ft: MUD WEIGHT 9.95

11010.07ft: Connection at 11013.5  
11010.07ft: 1600 CFM PARA  
11010.07ft: SURVEY @ 10968' INC.  
1.1 AZ. 6.7

11029.99ft: MUD VIS 72.00  
11029.99ft: MUD WEIGHT 9.90

11045.77ft: MUD VIS 72.00 MUD  
WEIGHT 10.00



Jan 20, 2012

00:11 11310

00:19 11320

00:23 11330

00:27 11340

00:32 11350

00:38 11360

00:43 11370

01:01 11380

01:07 11390

01:12 11400

01:15 11410

01:21 11420

01:26 11430

01:30 11440

01:35 11450

01:39 11460

02:01 11470

02:06 11480

02:12 11490

02:17 11500

02:24 11510

11298.00ft: MUD VIS 73.00  
11298.00ft: MUD WEIGHT 10.10

11304.69ft: 1800 CFM PARA

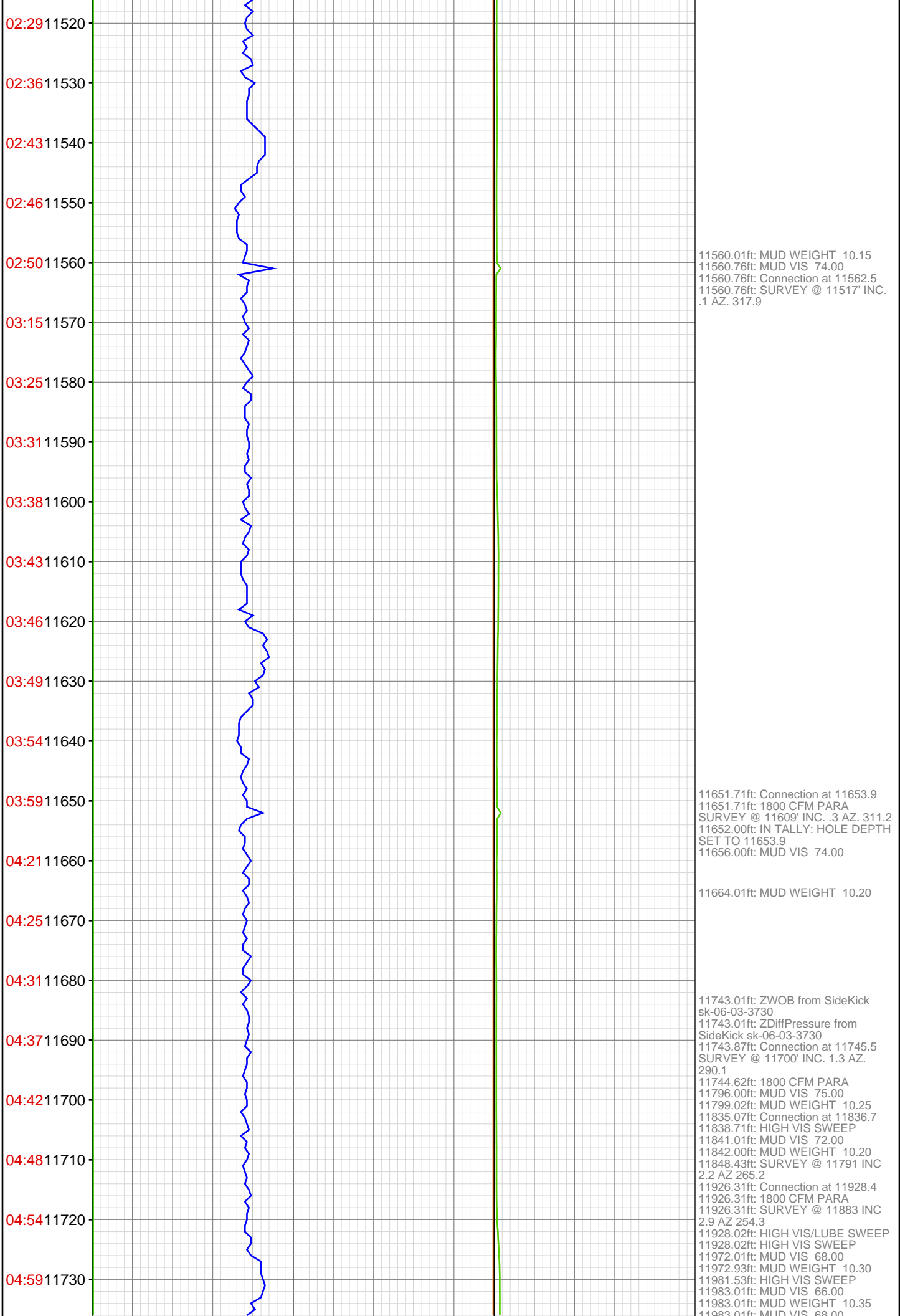
11352.00ft: TRANSFER FROM RAT  
HOLE RIG

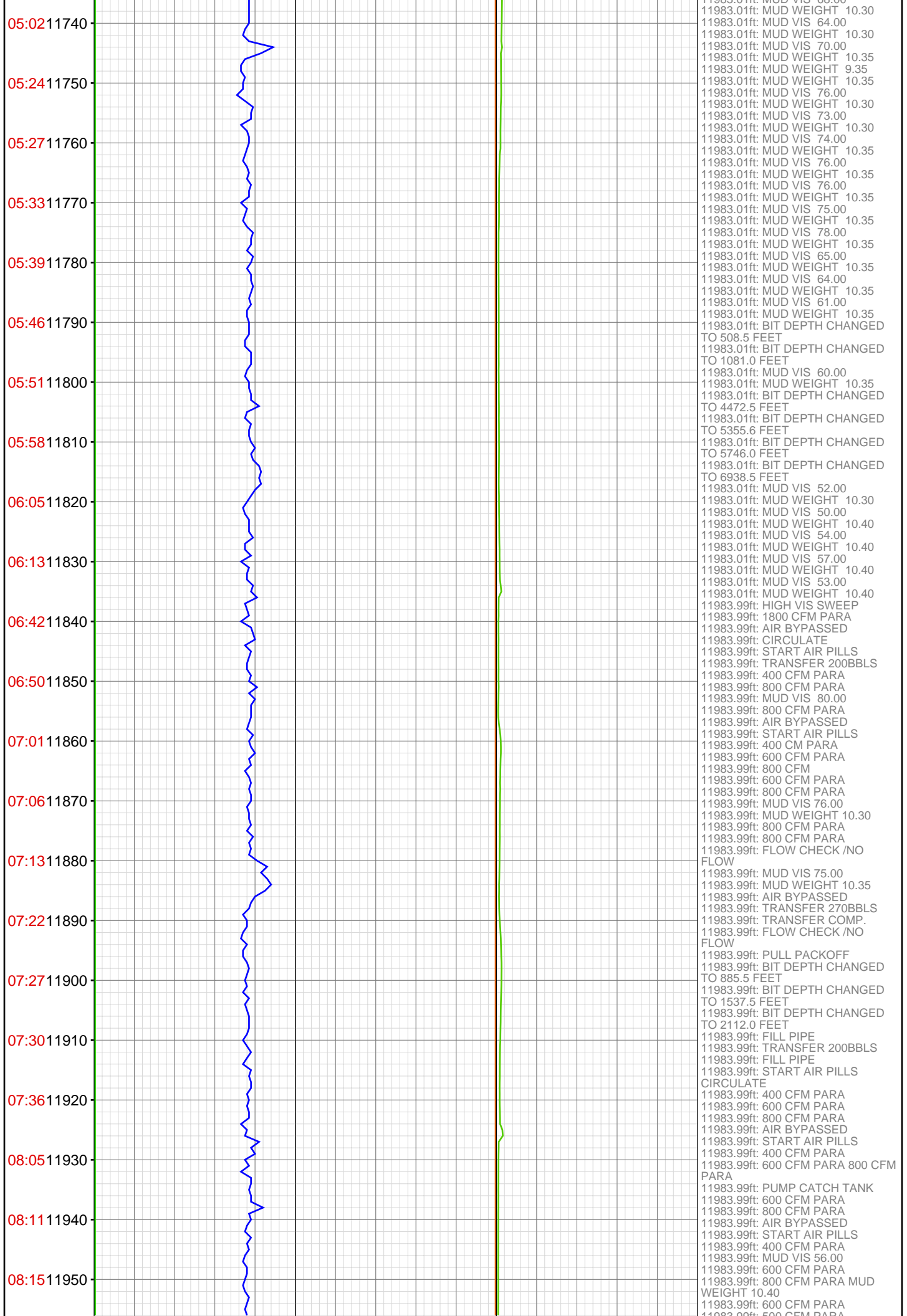
11374.38ft: Connection at 11379.6  
SURVEY @ 11334' INC .2 AZ. 211.1  
11379.59ft: IN TALLY: HOLE DEPTH  
SET TO 11379.6

11400.13ft: LCM/LUBE SWEEP

11466.01ft: MUD VIS 70.00  
11467.00ft: MUD WEIGHT 10.10  
11469.00ft: ZWOB from SideKick  
sk-06-03-3730  
11469.65ft: ZDiffPressure from  
SideKick sk-06-03-3730  
11469.65ft: Connection at 11471.0  
11469.65ft: SURVEY @ 11426' INC.  
.1 AZ. 359.4

11495.77ft: 1800 CFM PARA





08:19 11960  
08:24 11970  
08:29 11980  
11990



11983.99ft: 500 CFM PARA  
11983.99ft: MUD VIS 56.00  
11983.99ft: MUD WEIGHT 10.40  
11983.99ft: 500 CFM PARA  
11983.99ft: 300 CFM PARA  
11983.99ft: 200 CFM PARA  
11983.99ft: AIR BYPASSED  
11983.99ft: STAT AIR PILLS  
11983.99ft: TRANSFER COMP.  
11983.99ft: 200 CFM PARA  
11983.99ft: MUD VIS 45.00  
11983.99ft: MUD WEIGHT 10.25  
11983.99ft: AIR BYPASSED  
11983.99ft: START AIR PILLS  
11983.99ft: 200 CFM PARA  
11983.99ft: 300 CFM PARA  
11983.99ft: AIR BYPASSED  
11983.99ft: START AIR PILLS  
11983.99ft: 300 CFM PARA  
11983.99ft: 200 CFM PARA  
11983.99ft: AIR BYPASSED  
11983.99ft: START AIR PILLS  
11983.99ft: AIR BYPASSED