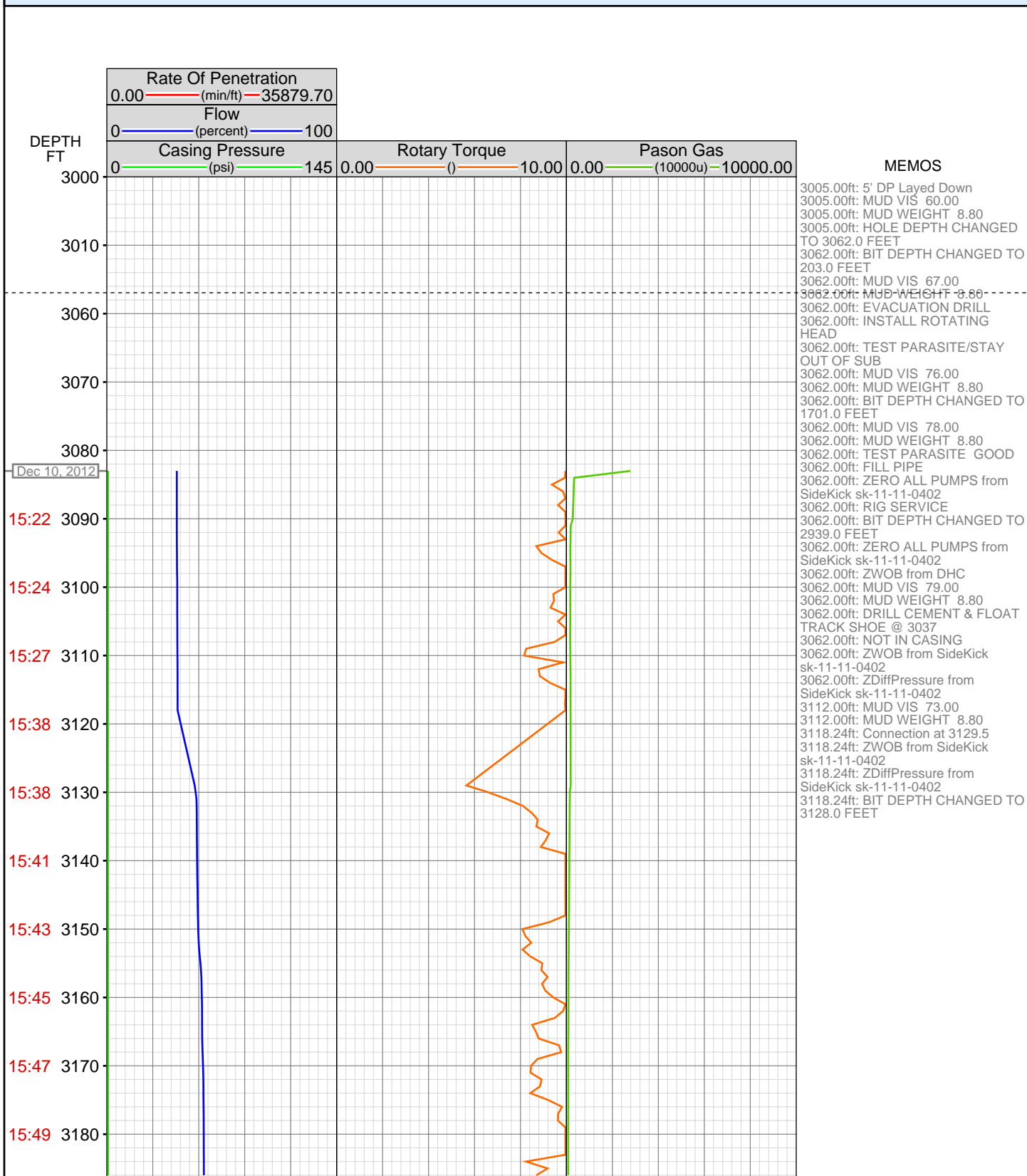
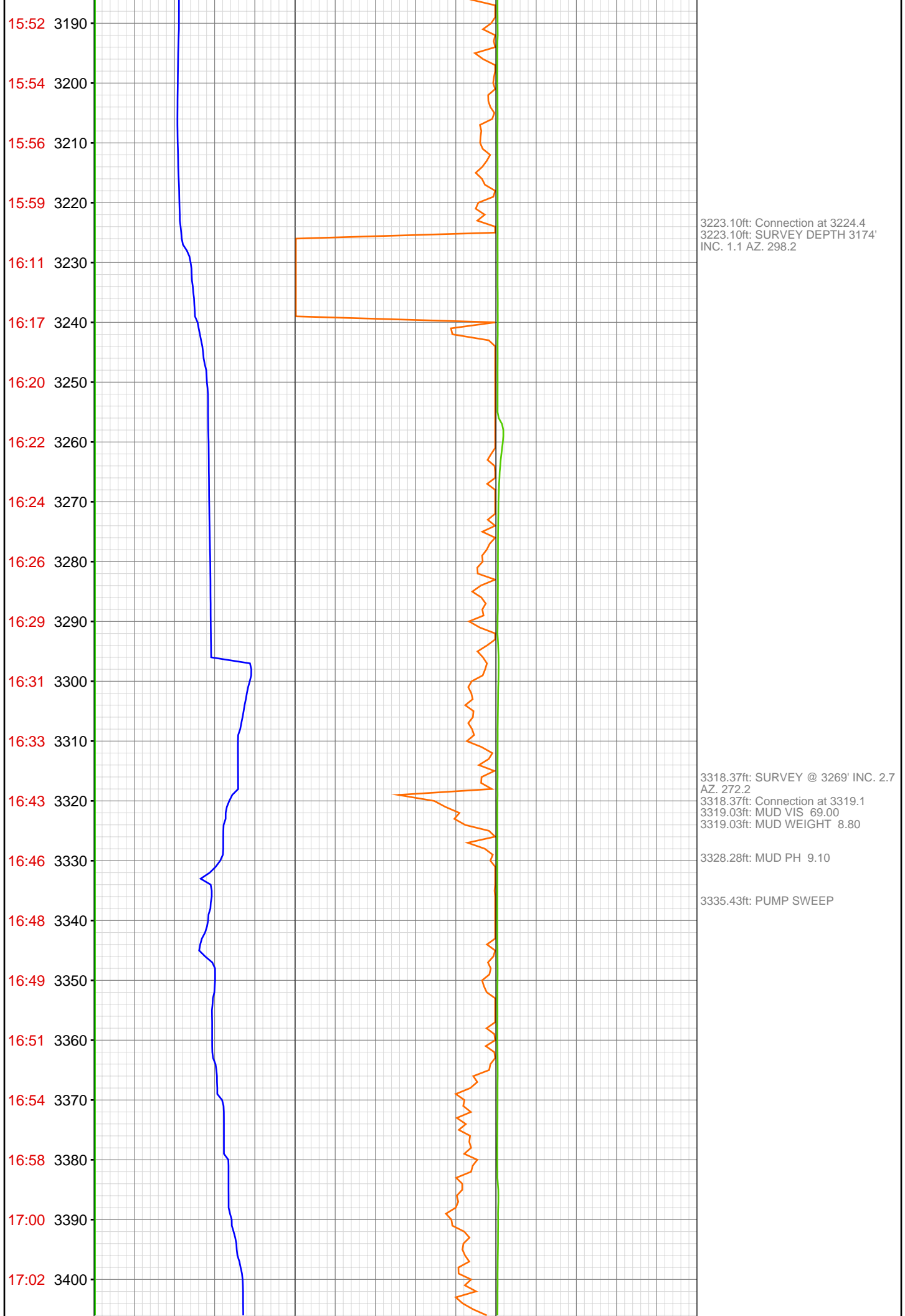
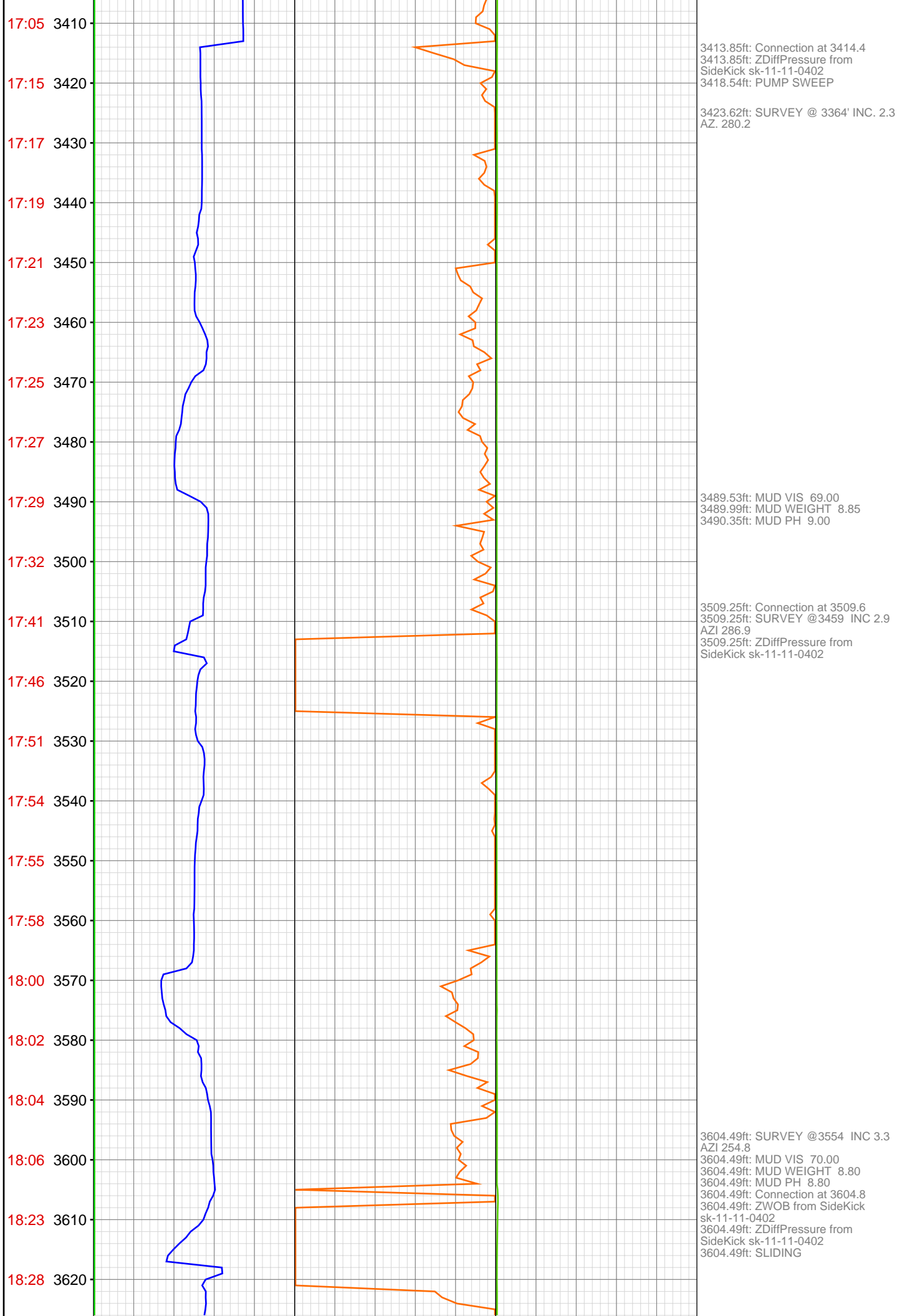


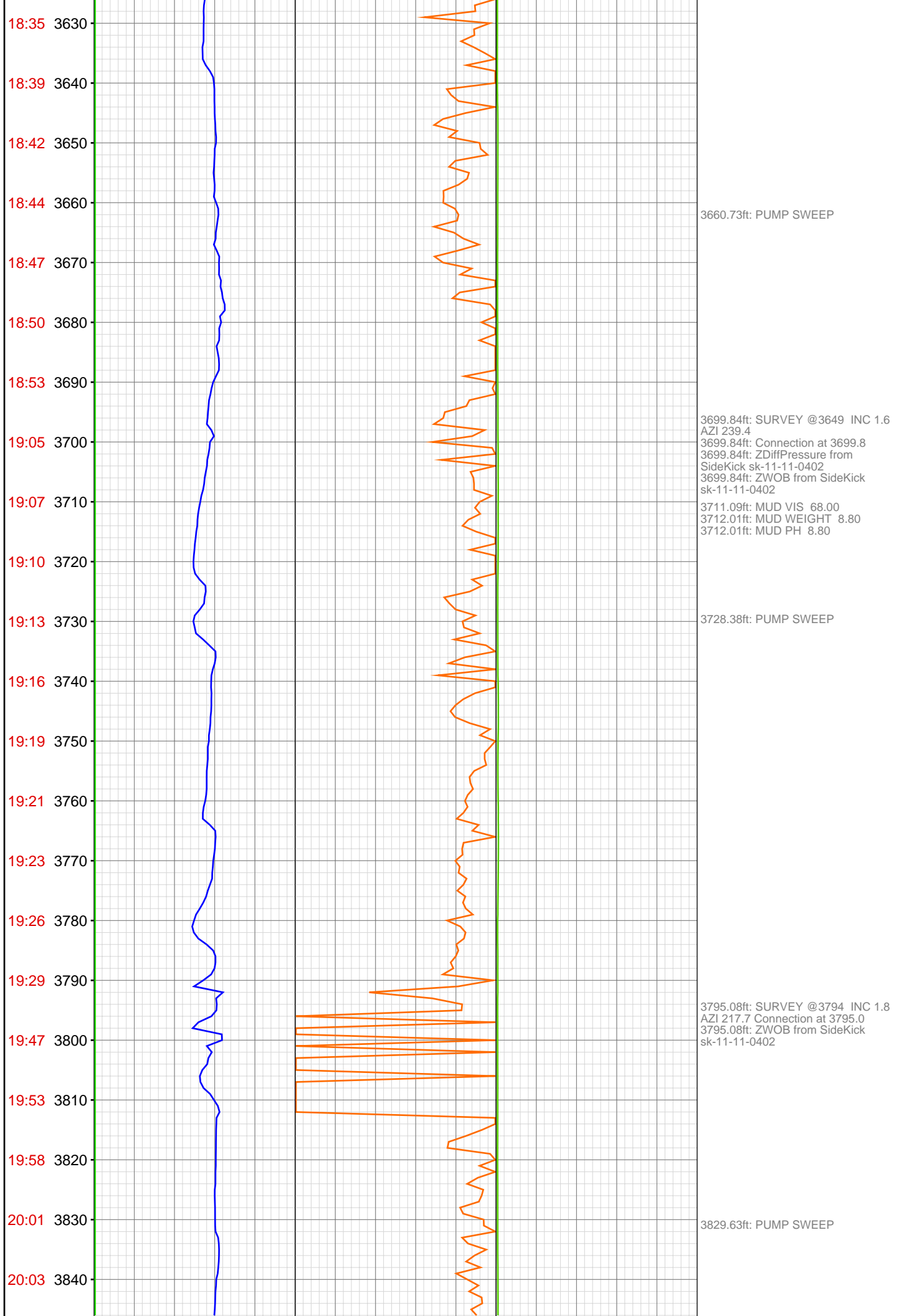
**OPERATOR:** EnCana Oil & Gas (USA), Inc.  
**WELL:** SG 8512E-24 L24 496  
**FIELD:**  
**LOCATION:**  
**COUNTRY:** USA  
**RIG:** Pat-UTI 330

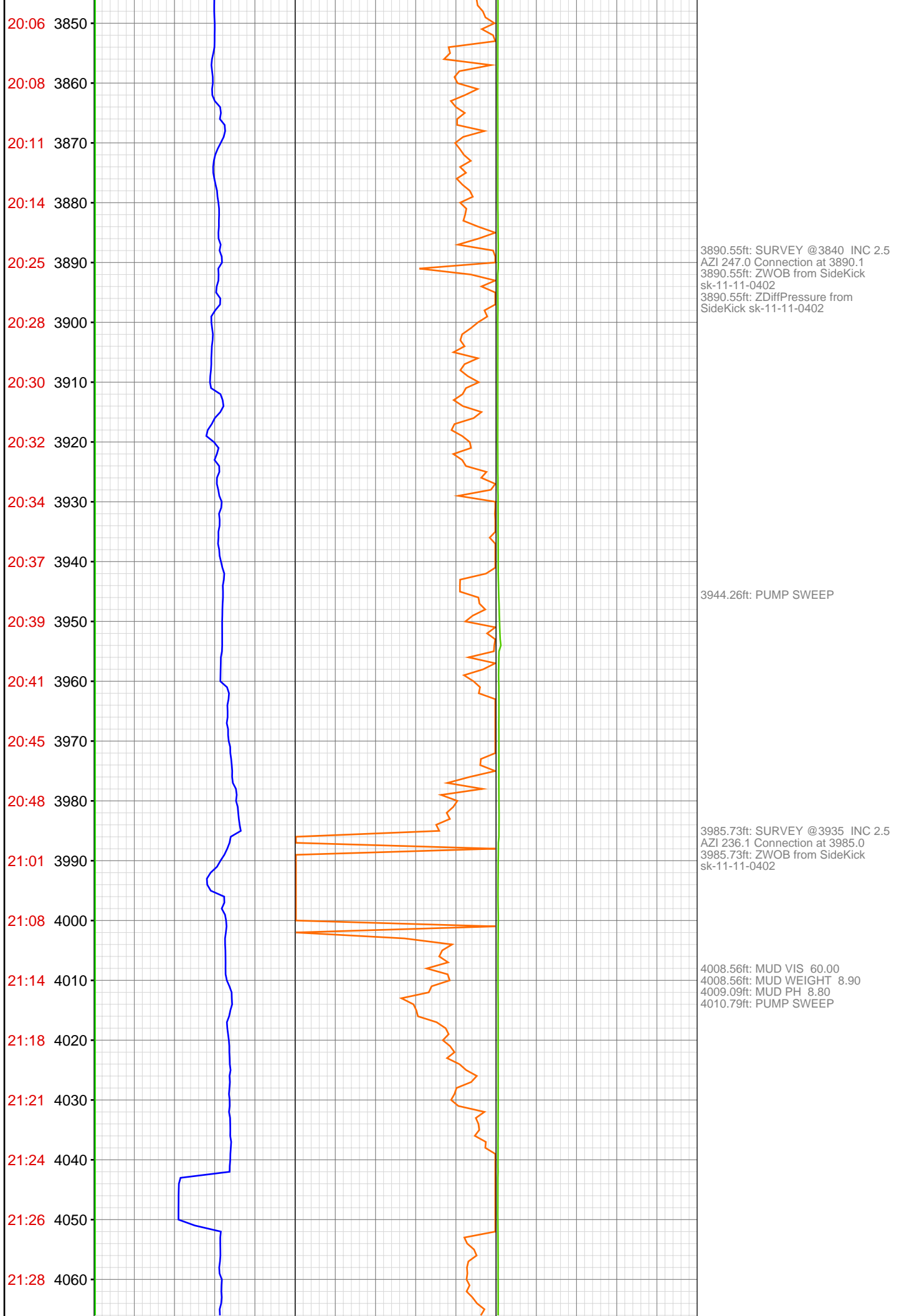
**CONTRACTOR:** Patterson-UTI Drilling Company  
**UNIQUE WELL ID:** 0504521174  
**SPUD DATE:** Dec 10, 2012 15:00  
**RELEASE DATE:**

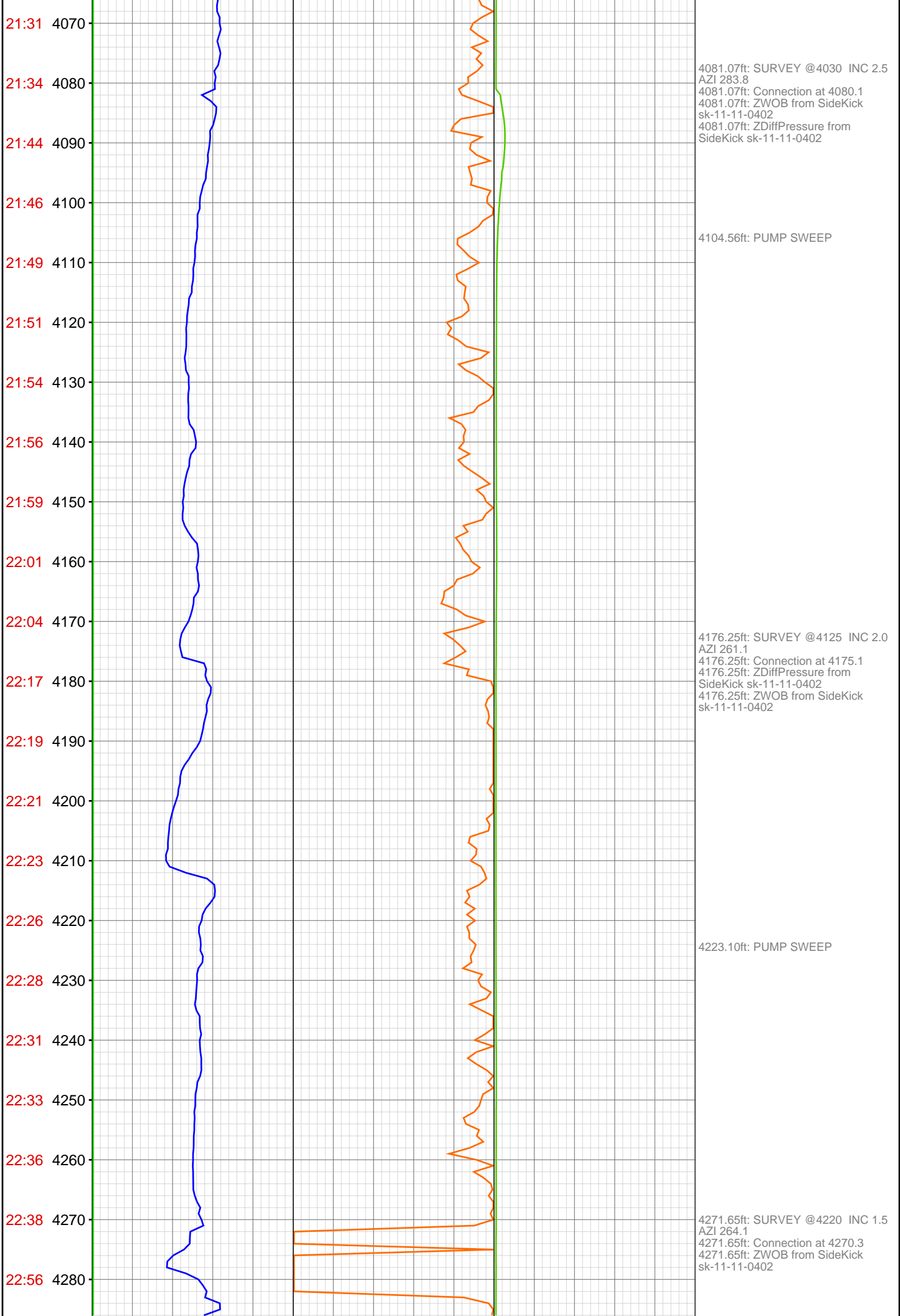


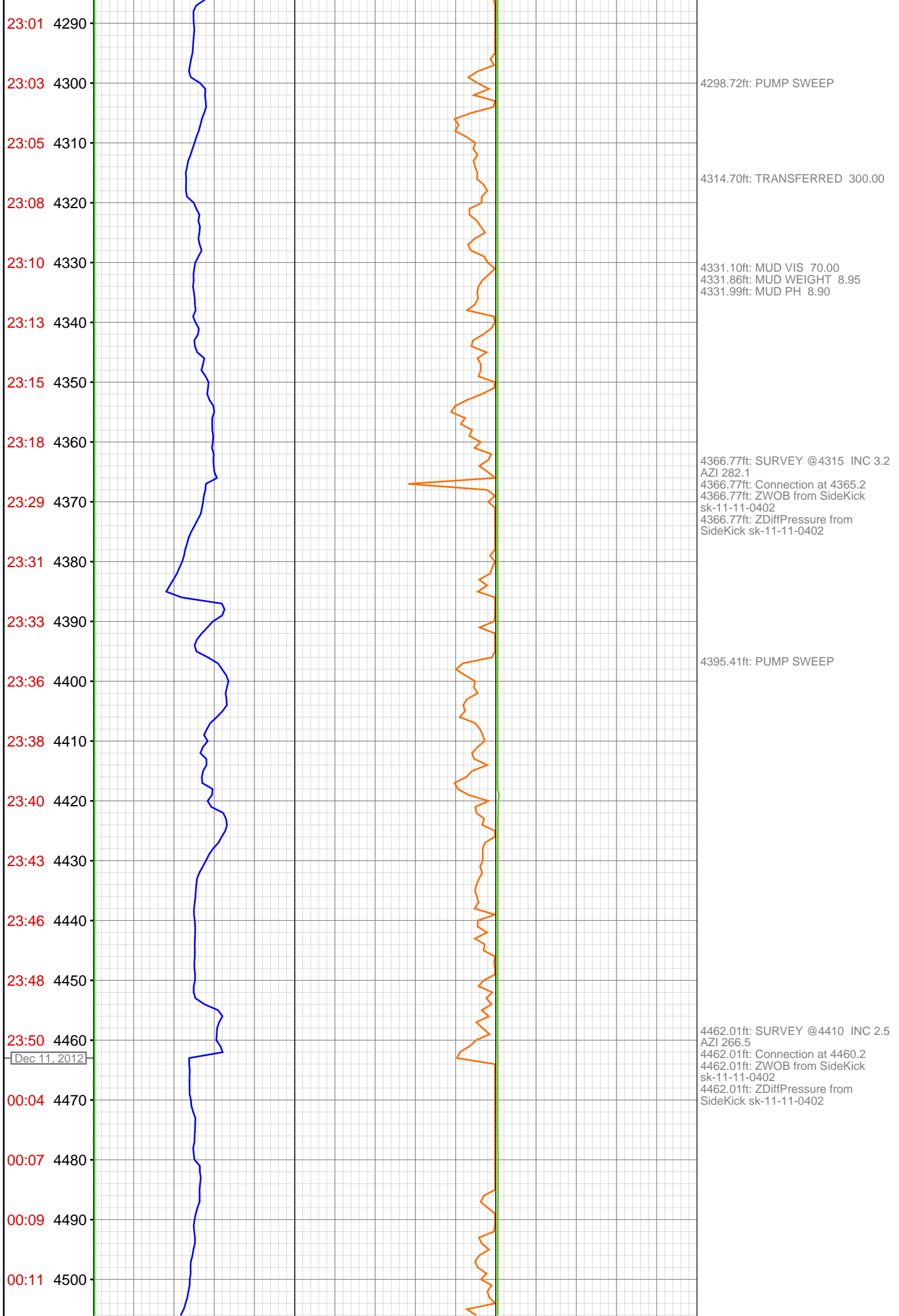


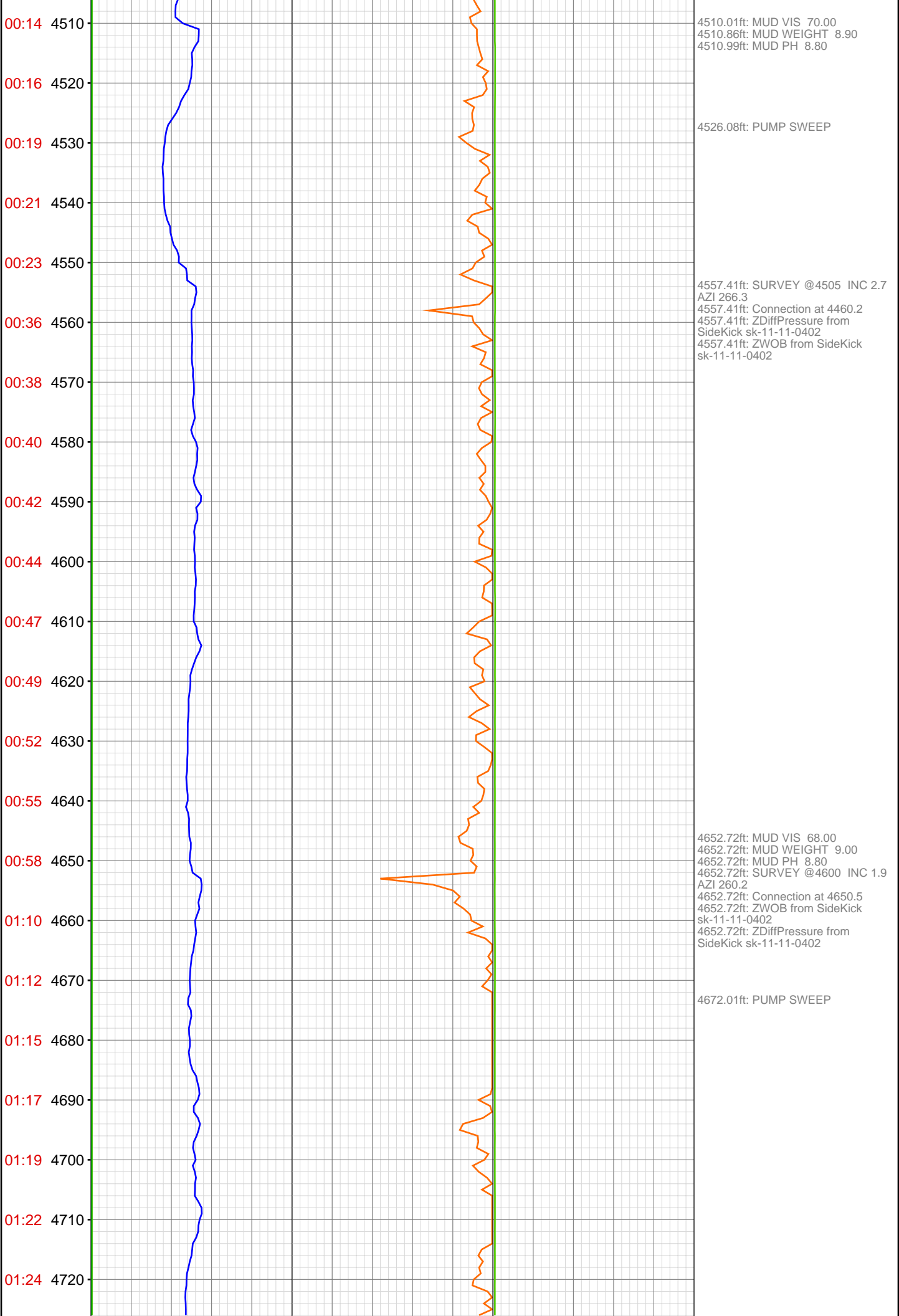




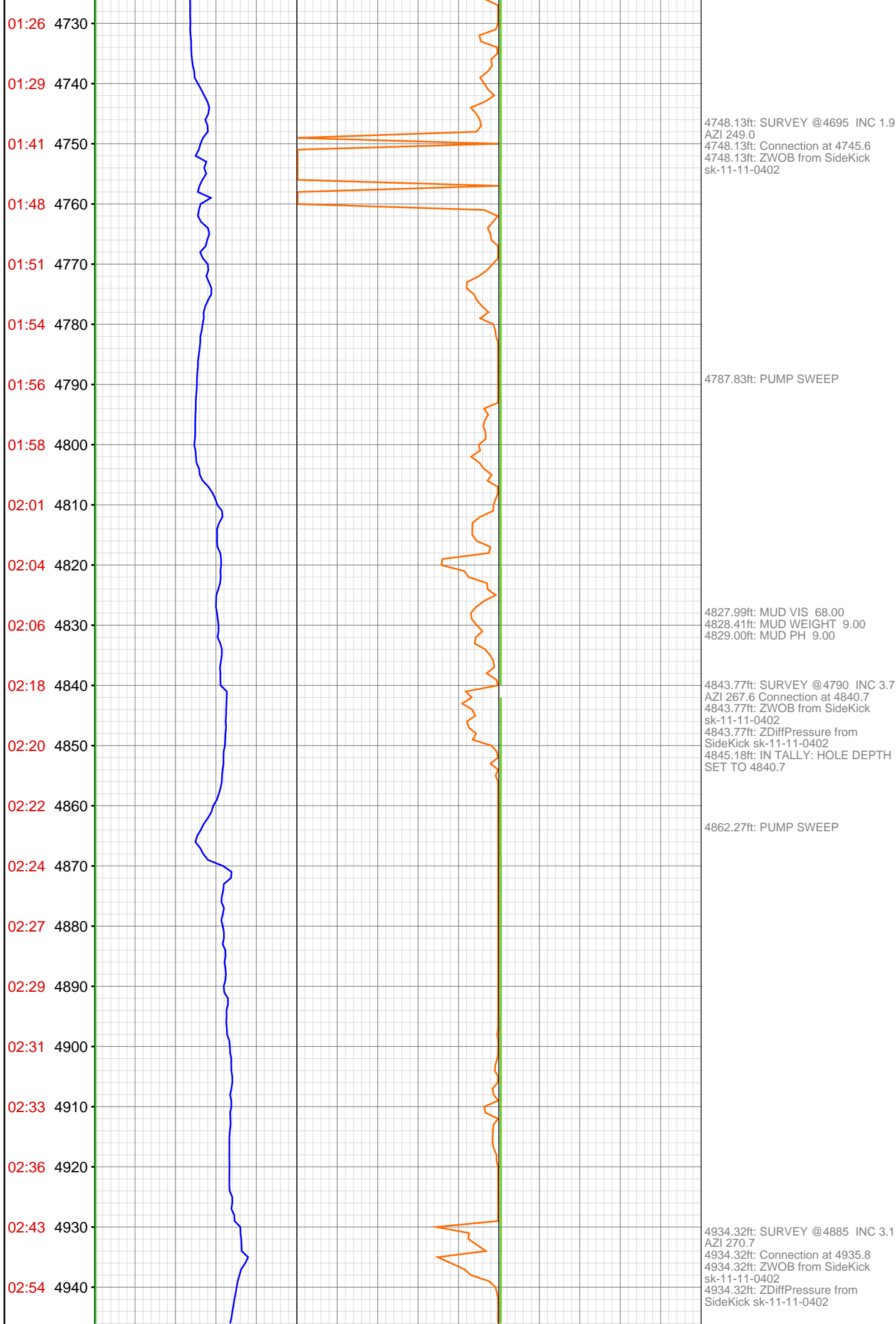


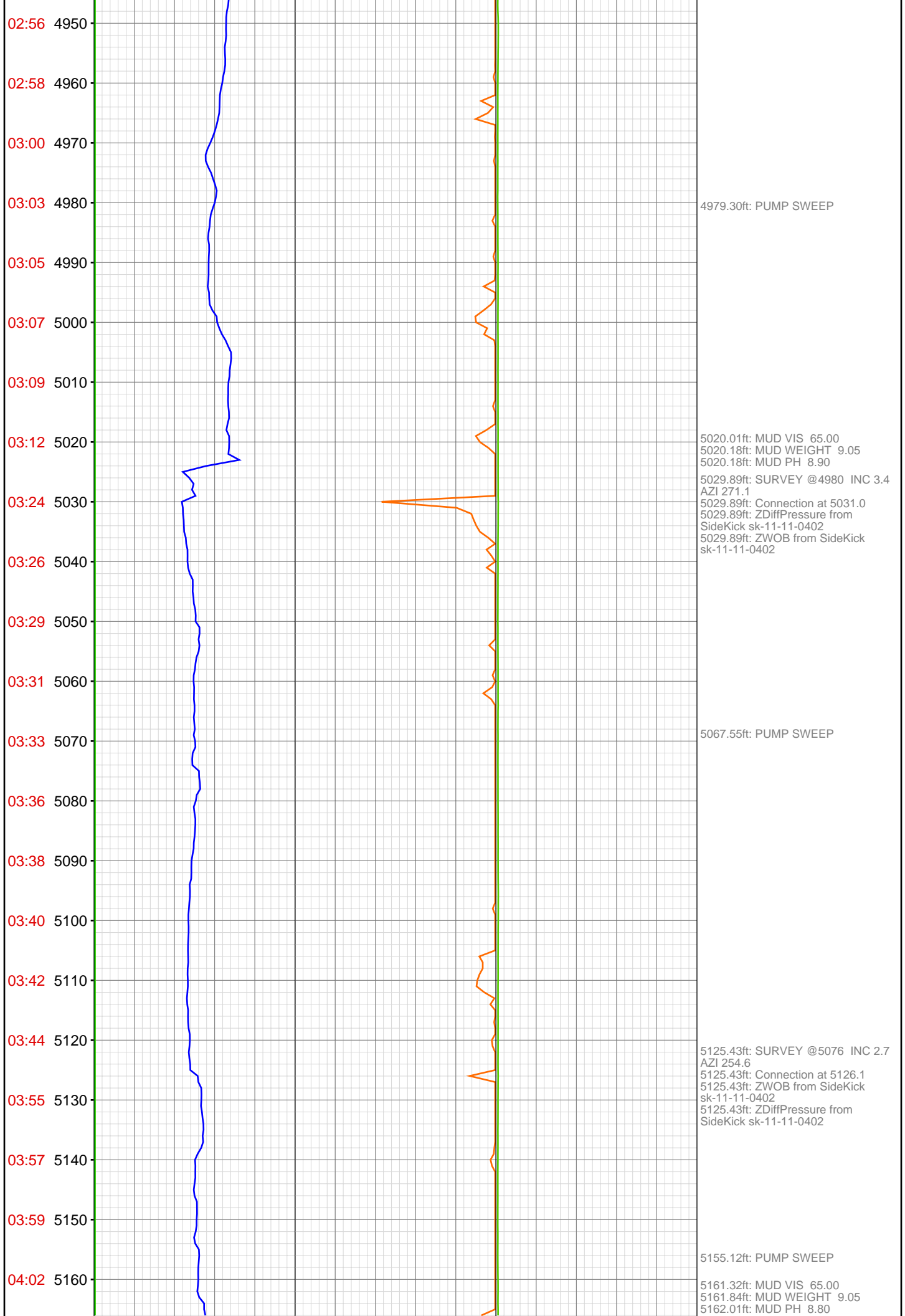


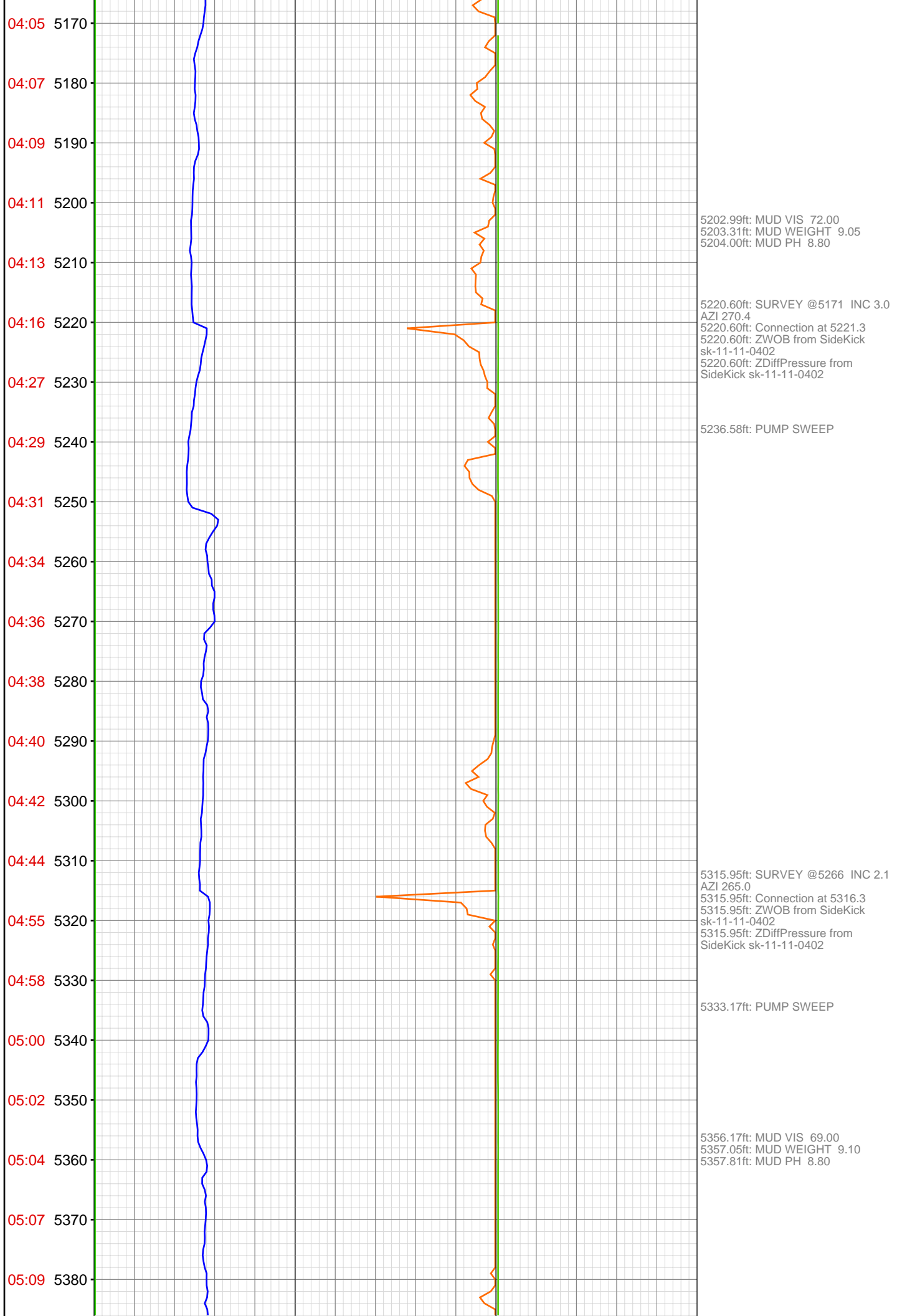


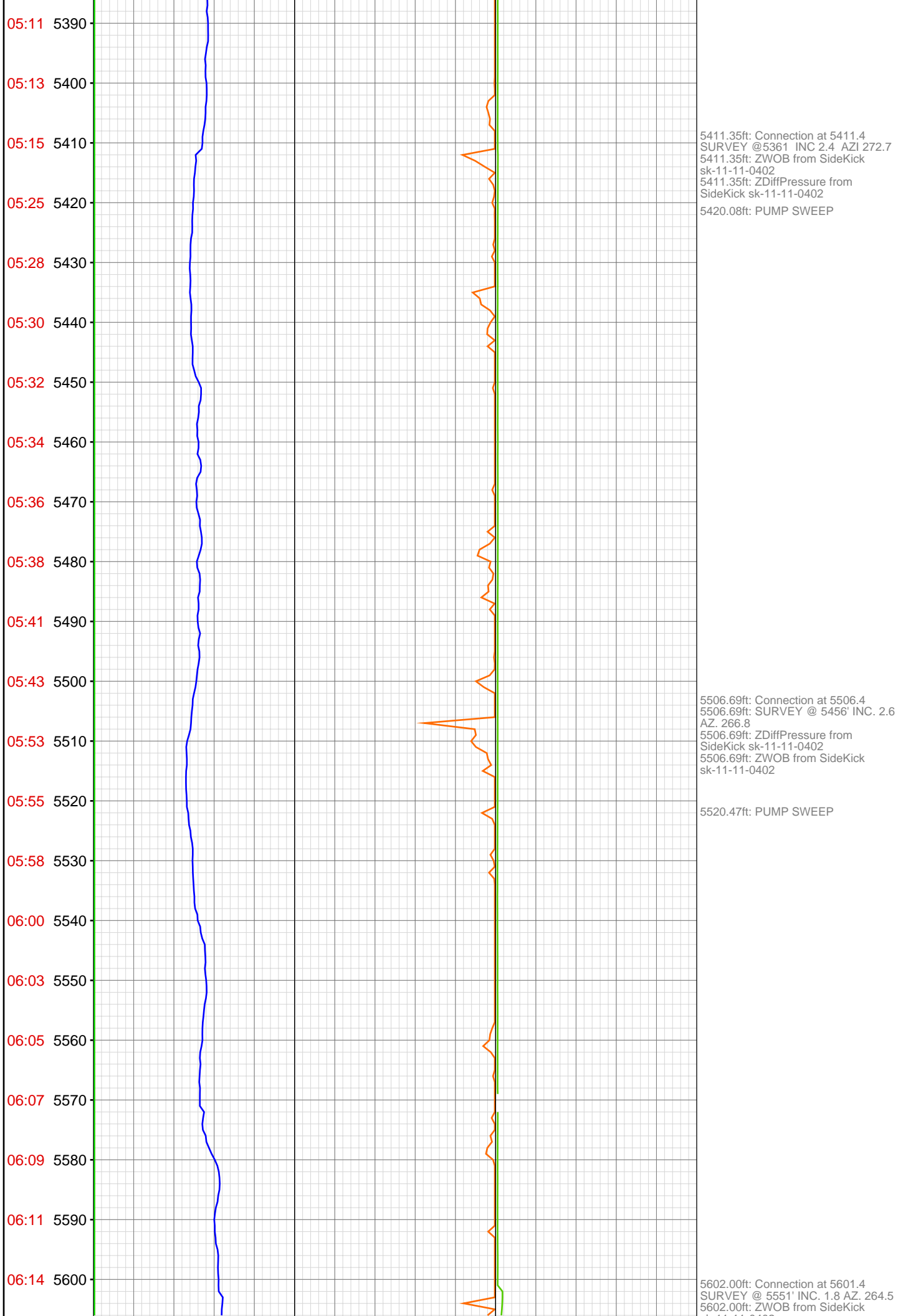


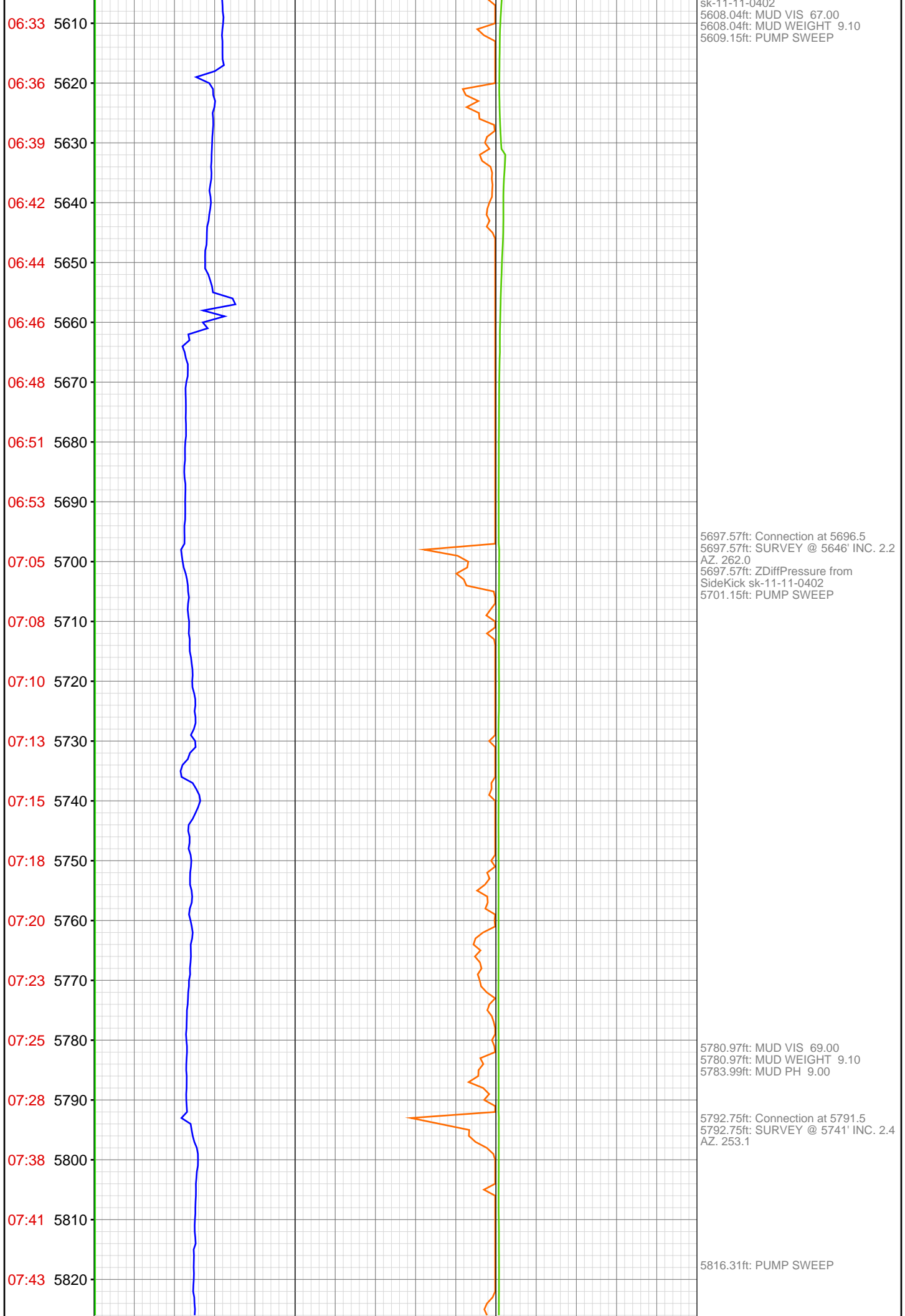












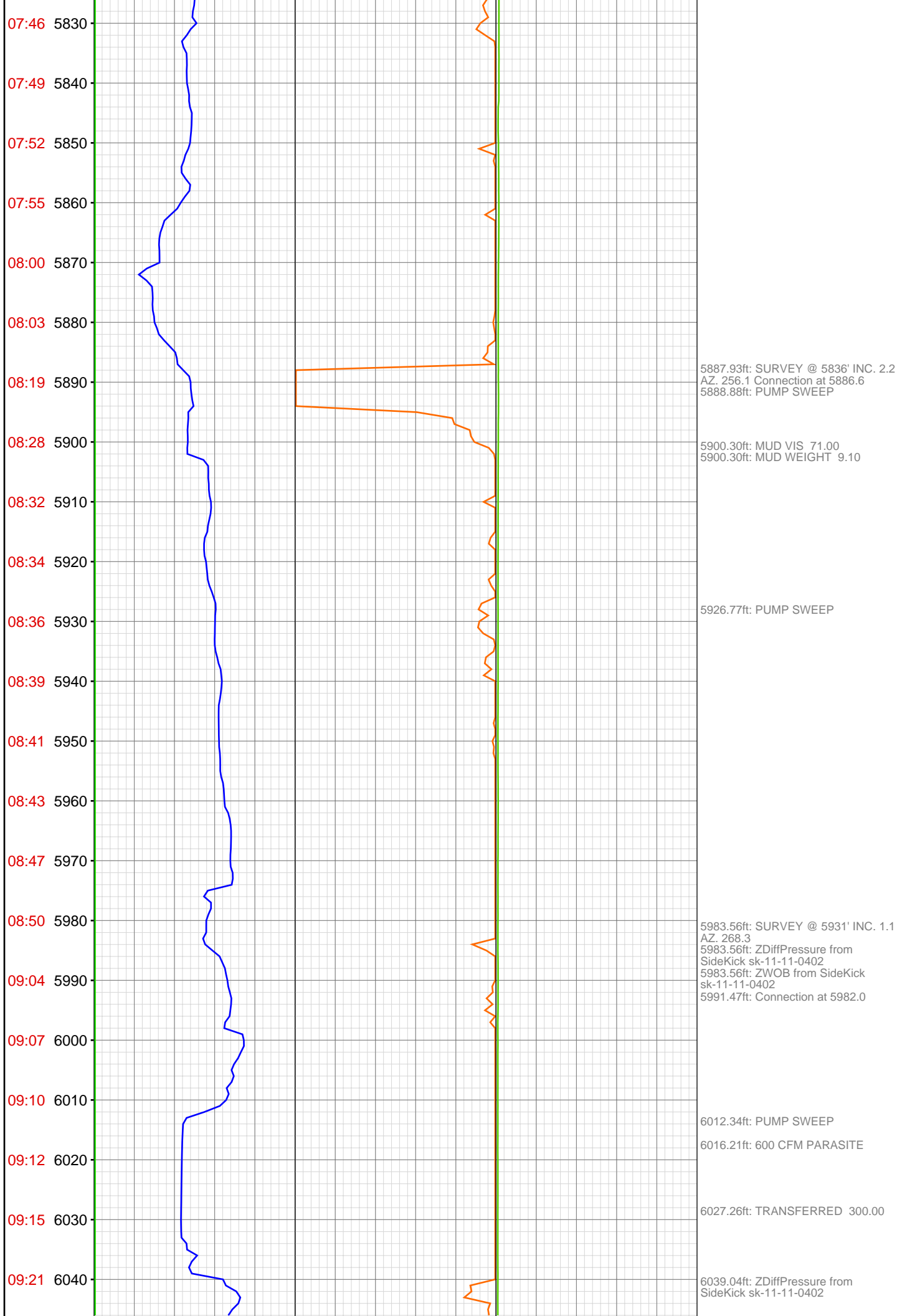
SK-11-11-0402  
5608.04ft: MUD VIS 67.00  
5608.04ft: MUD WEIGHT 9.10  
5609.15ft: PUMP SWEEP

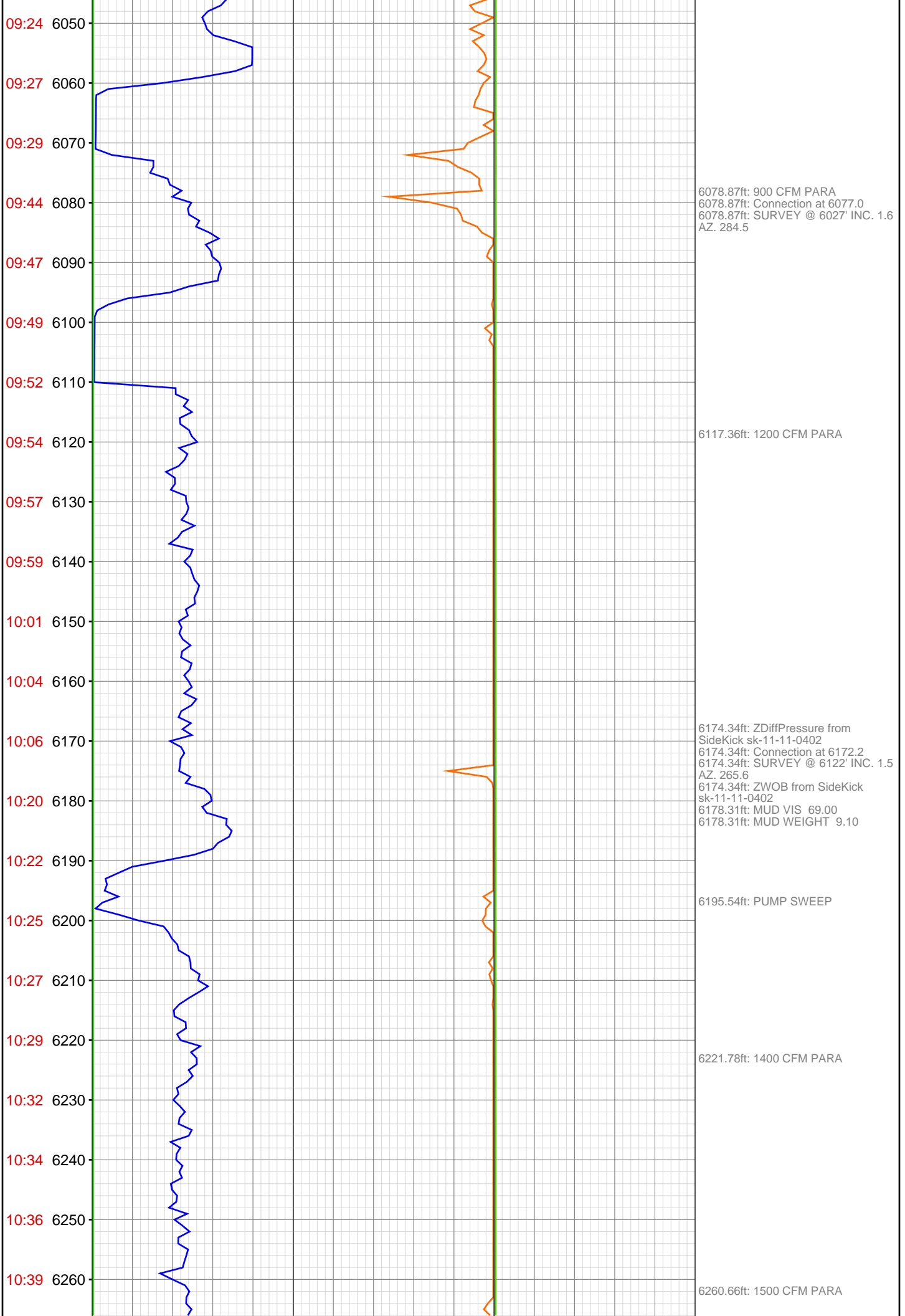
5697.57ft: Connection at 5696.5  
5697.57ft: SURVEY @ 5646' INC. 2.2  
AZ. 262.0  
5697.57ft: ZDiffPressure from  
SideKick sk-11-11-0402  
5701.15ft: PUMP SWEEP

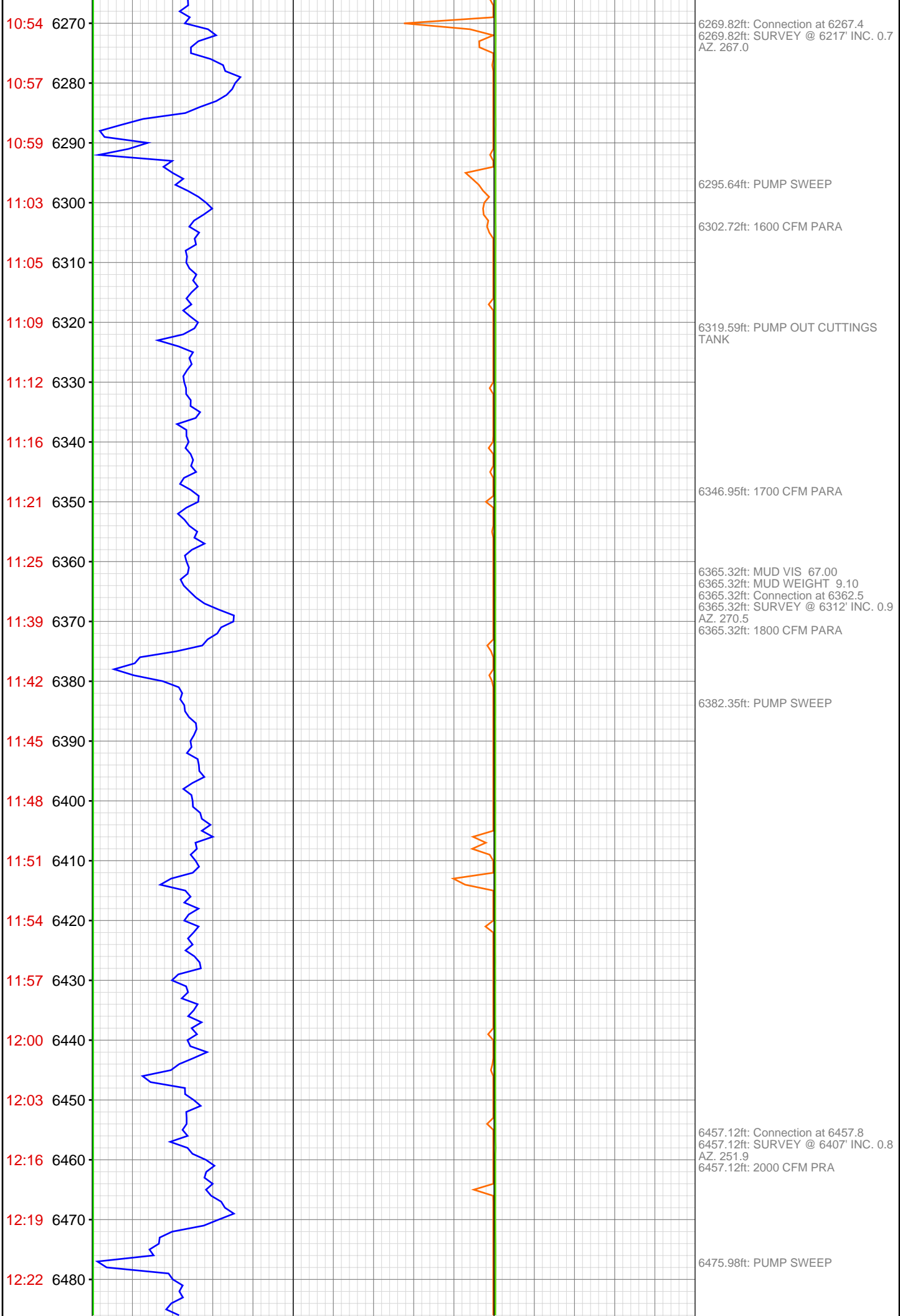
5780.97ft: MUD VIS 69.00  
5780.97ft: MUD WEIGHT 9.10  
5783.99ft: MUD PH 9.00

5792.75ft: Connection at 5791.5  
5792.75ft: SURVEY @ 5741' INC. 2.4  
AZ. 253.1

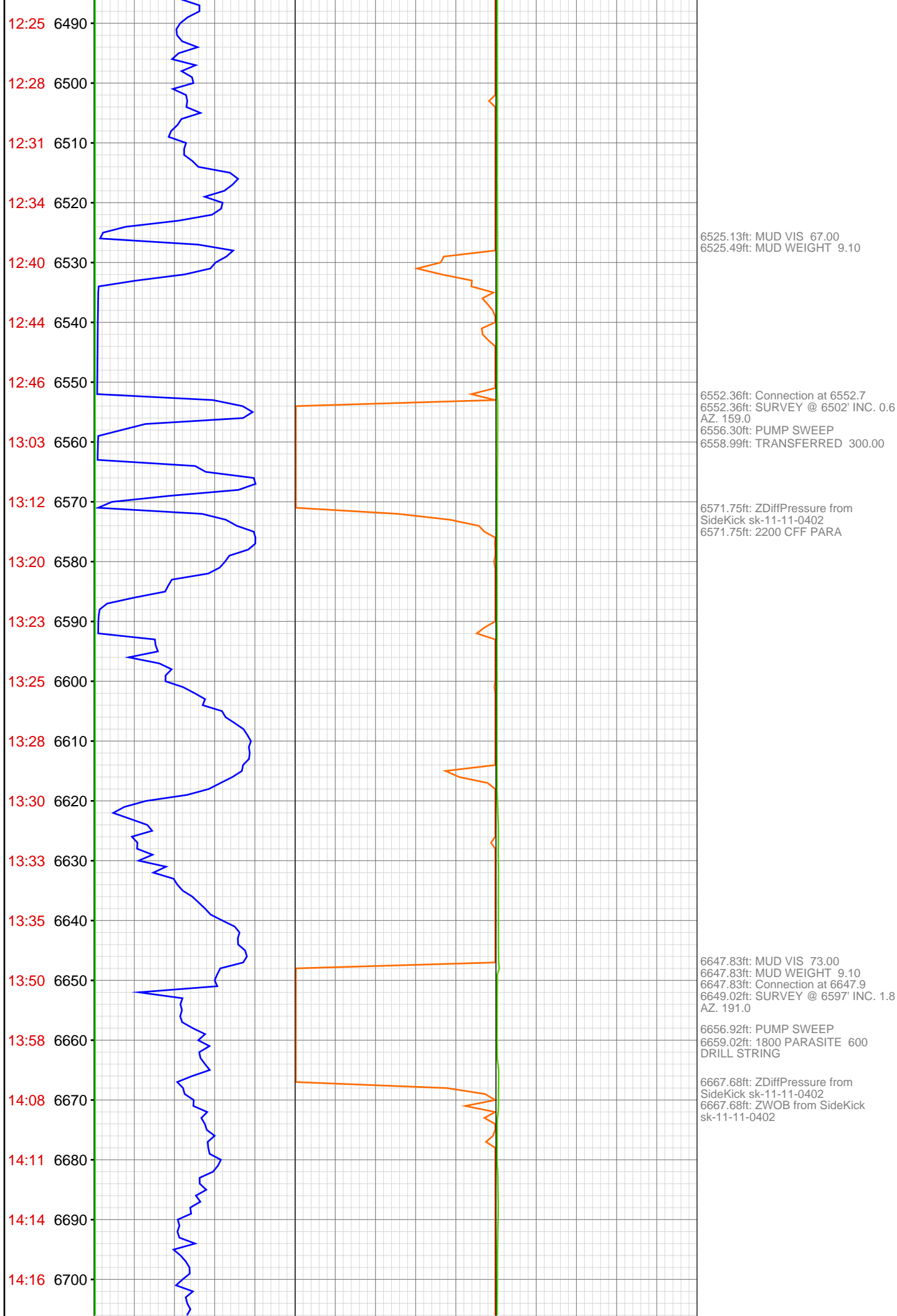
5816.31ft: PUMP SWEEP

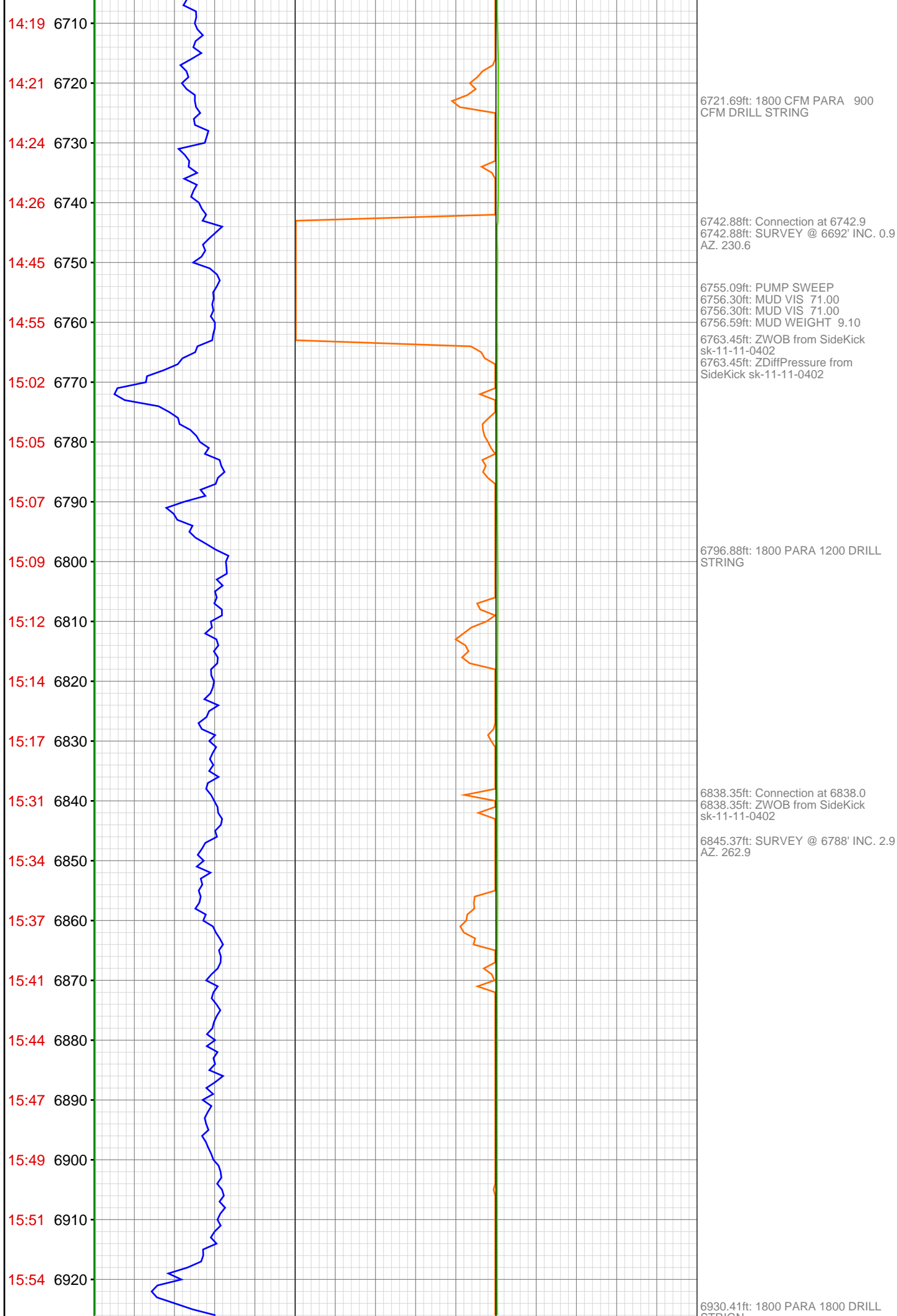




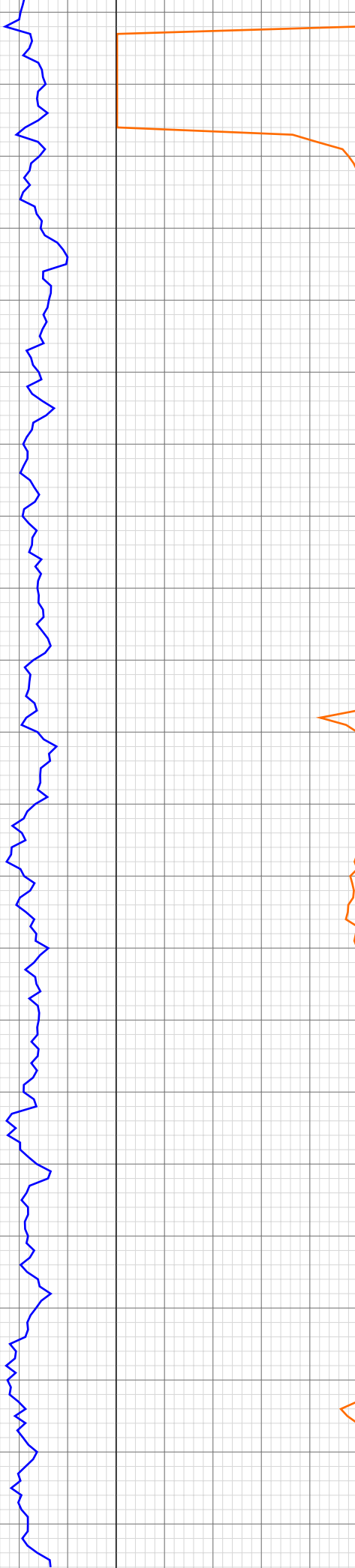




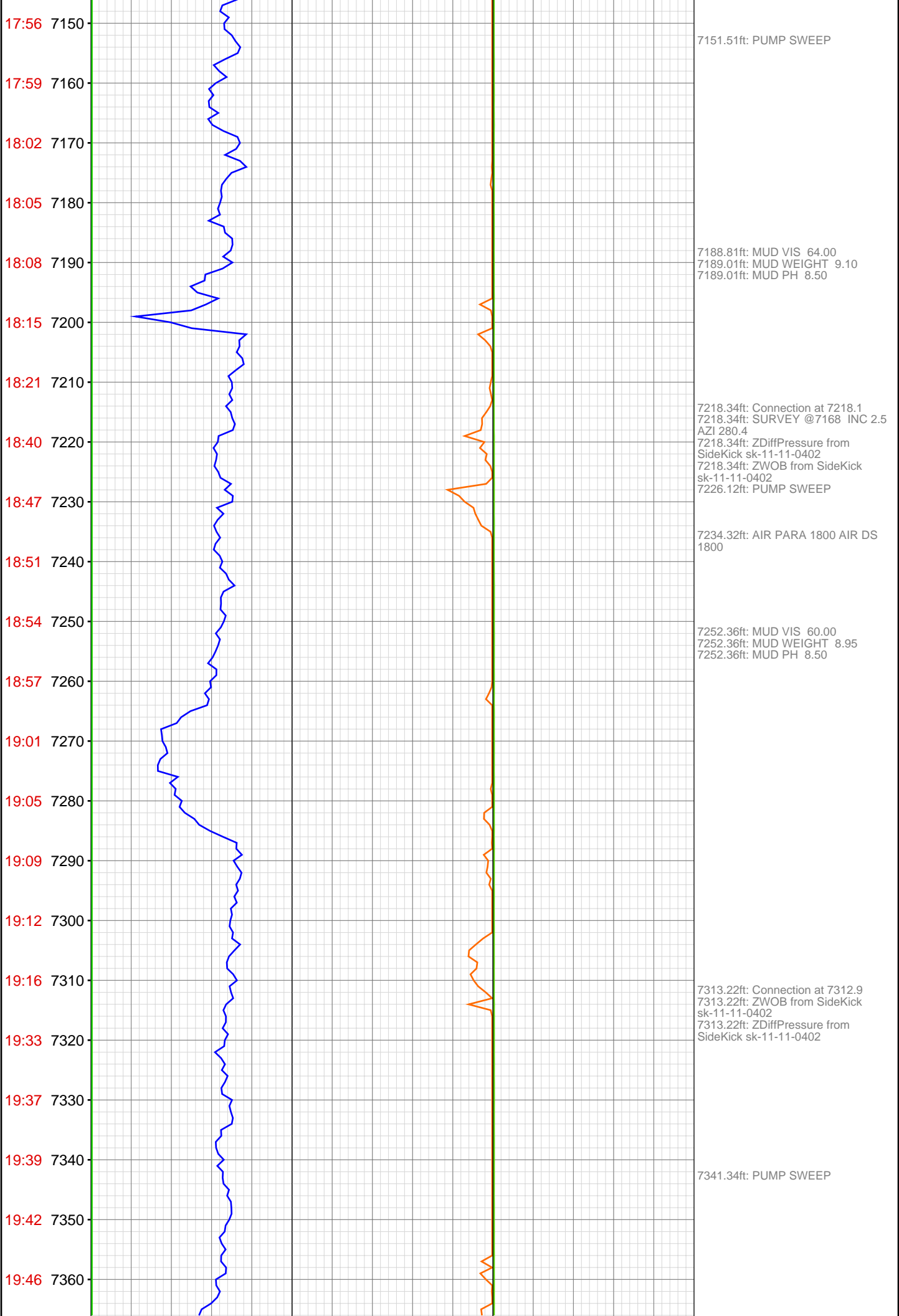


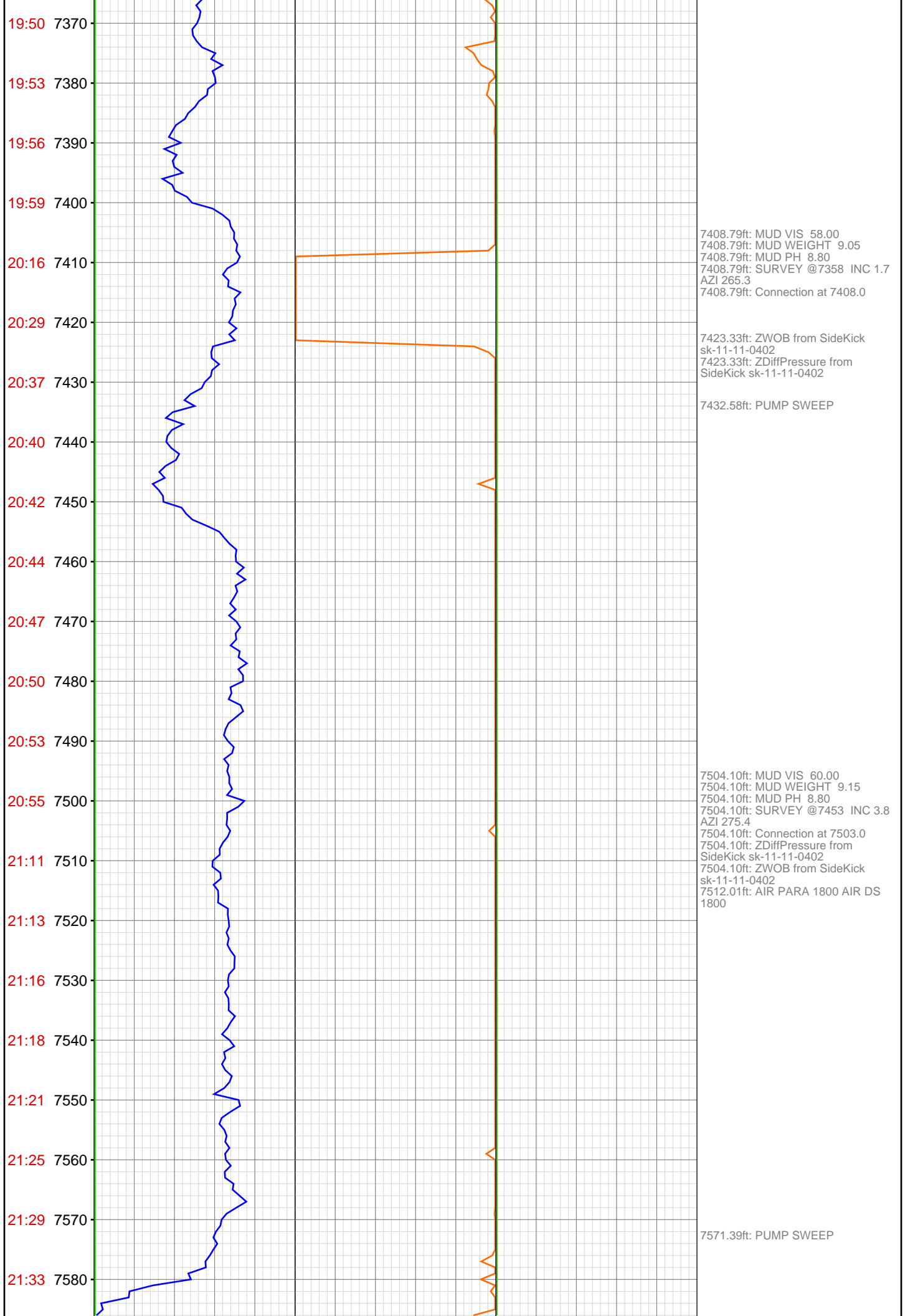


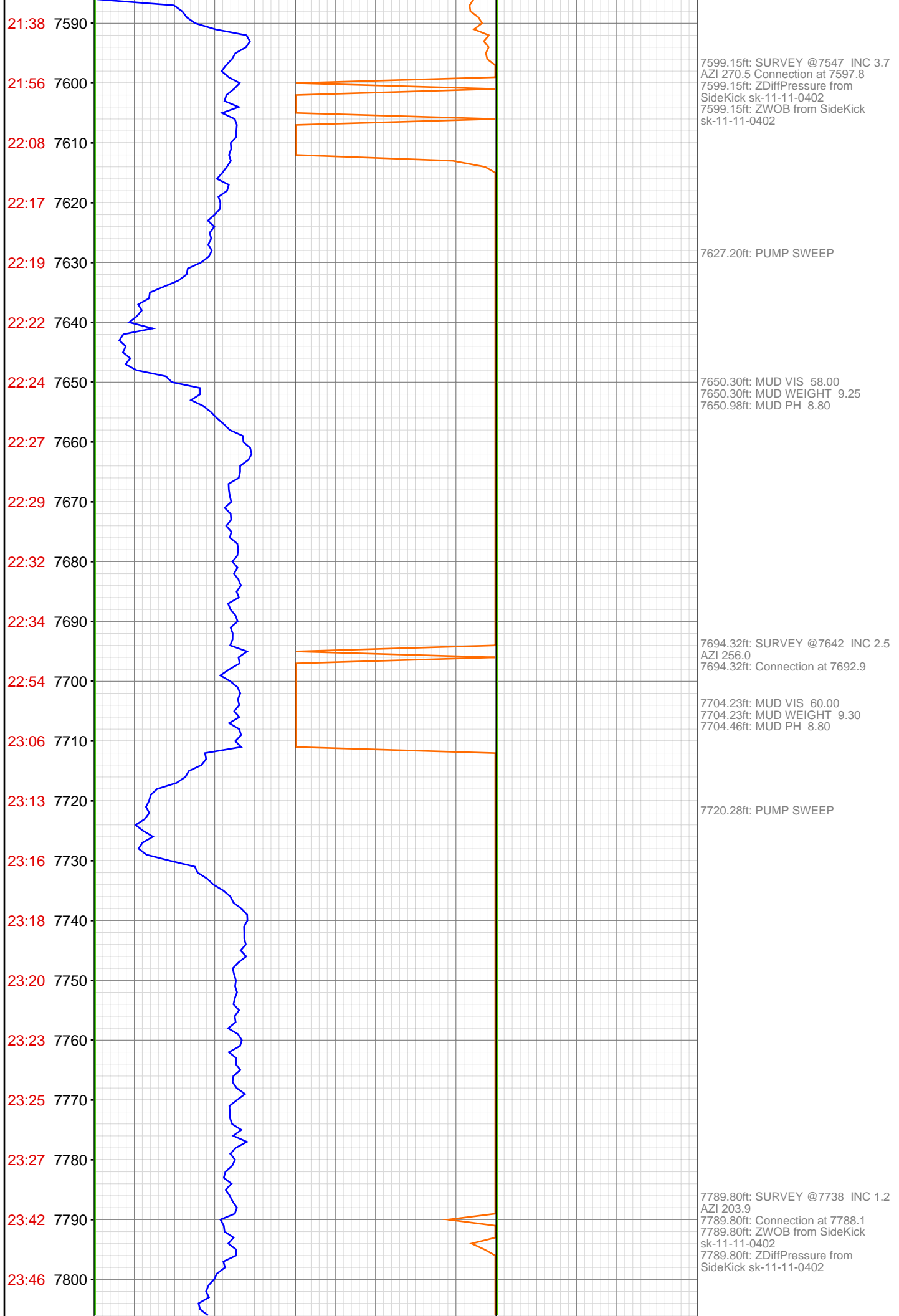
15:58 6930  
16:23 6940  
16:36 6950  
16:38 6960  
16:41 6970  
16:44 6980  
16:46 6990  
16:48 7000  
16:50 7010  
16:53 7020  
17:10 7030  
17:12 7040  
17:14 7050  
17:17 7060  
17:19 7070  
17:22 7080  
17:24 7090  
17:27 7100  
17:29 7110  
17:32 7120  
17:51 7130  
17:54 7140



STRING  
6932.28ft: ZDiffPressure from  
SideKick sk-11-11-0402  
6932.28ft: Connection at 6932.9  
6932.28ft: SURVEY @ 6882' INC. 3.2  
AZ. 254.0  
6932.64ft: PUMP SWEEP  
6937.27ft: TRANSFERRED 300.00  
  
7027.62ft: MUD VIS 67.00  
7027.62ft: MUD WEIGHT 9.10  
7027.62ft: ZDiffPressure from  
SideKick sk-11-11-0402  
7027.62ft: Connection at 7027.9  
7027.62ft: SURVEY @ 6977' INC. 2.6  
AZ. 279.2  
  
7107.58ft: PUMP SWEEP  
  
7123.10ft: SURVEY @ 7073' INC. 2.2  
AZ. 274.0  
7123.10ft: Connection at 7123.1  
7123.10ft: ZWOB from SideKick  
sk-11-11-0402  
7123.10ft: ZDiffPressure from  
SideKick sk-11-11-0402  
7127.95ft: 1800 CFM PARA 1800  
CFM DRILL STRING







23:49 7810

23:52 7820

23:56 7830

Dec 12, 2012

00:05 7850

00:09 7860

00:15 7870

00:20 7880

00:42 7890

00:54 7900

01:03 7910

01:06 7920

01:09 7930

01:12 7940

01:14 7950

01:16 7960

01:19 7970

01:47 7980

01:50 7990

01:52 8000

01:55 8010

01:57 8020

7833.37ft: AIR PARA 1800 AIR DS  
1600

7841.40ft: PUMP SWEEP  
7844.55ft: MUD VIS 60.00  
7844.55ft: MUD WEIGHT 9.40  
7845.01ft: MUD PH 8.80

7885.04ft: SURVEY @7833 INC 1.0  
AZI 247.8  
7885.04ft: Connection at 7883.2

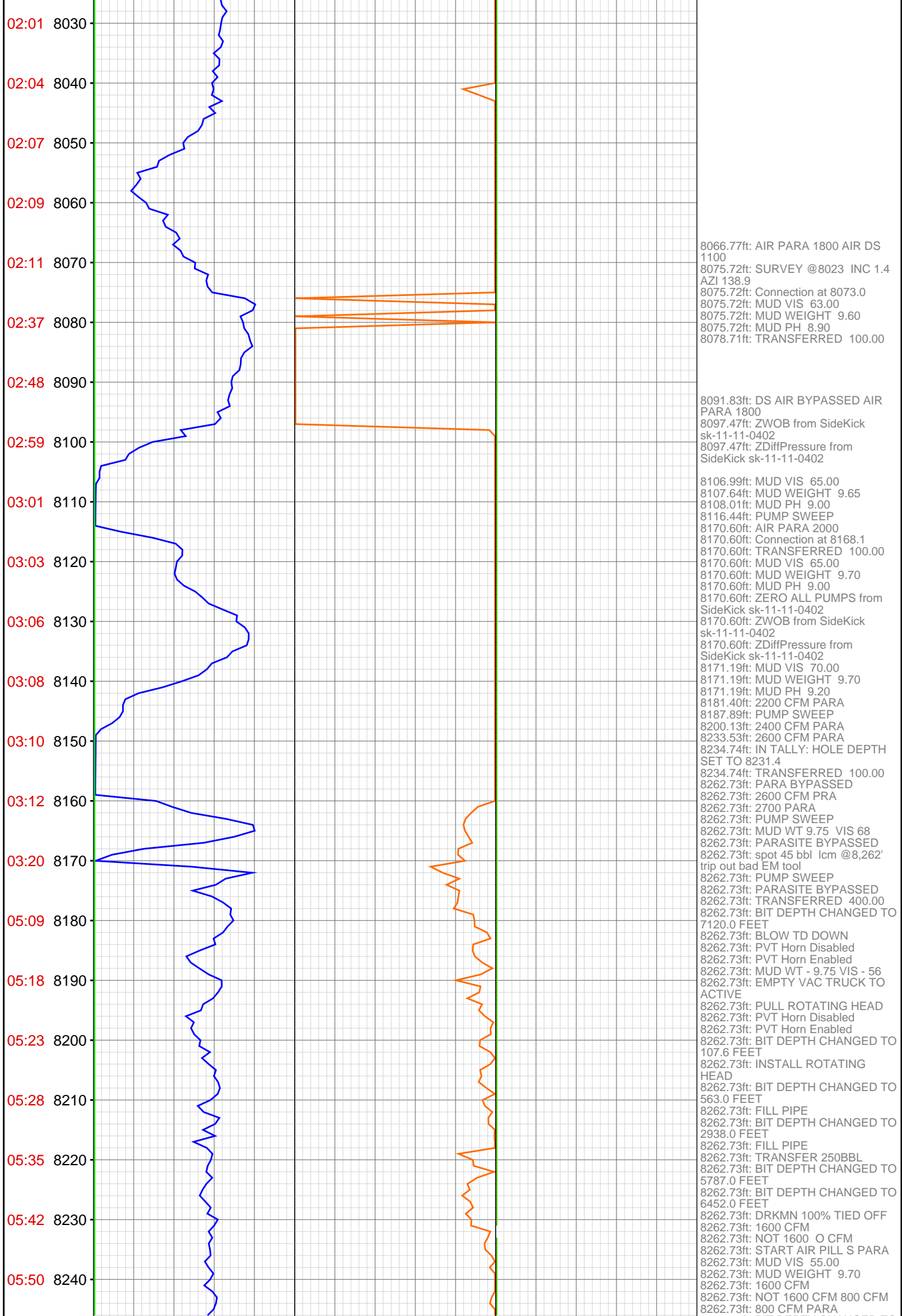
7901.90ft: ZWOB from SideKick  
sk-11-11-0402  
7901.90ft: ZDiffPressure from  
SideKick sk-11-11-0402

7911.61ft: AIR PARA 1800 AIR DS  
1400  
7914.30ft: MUD VIS 62.00  
7914.90ft: MUD WEIGHT 9.55  
7914.99ft: MUD PH 8.70

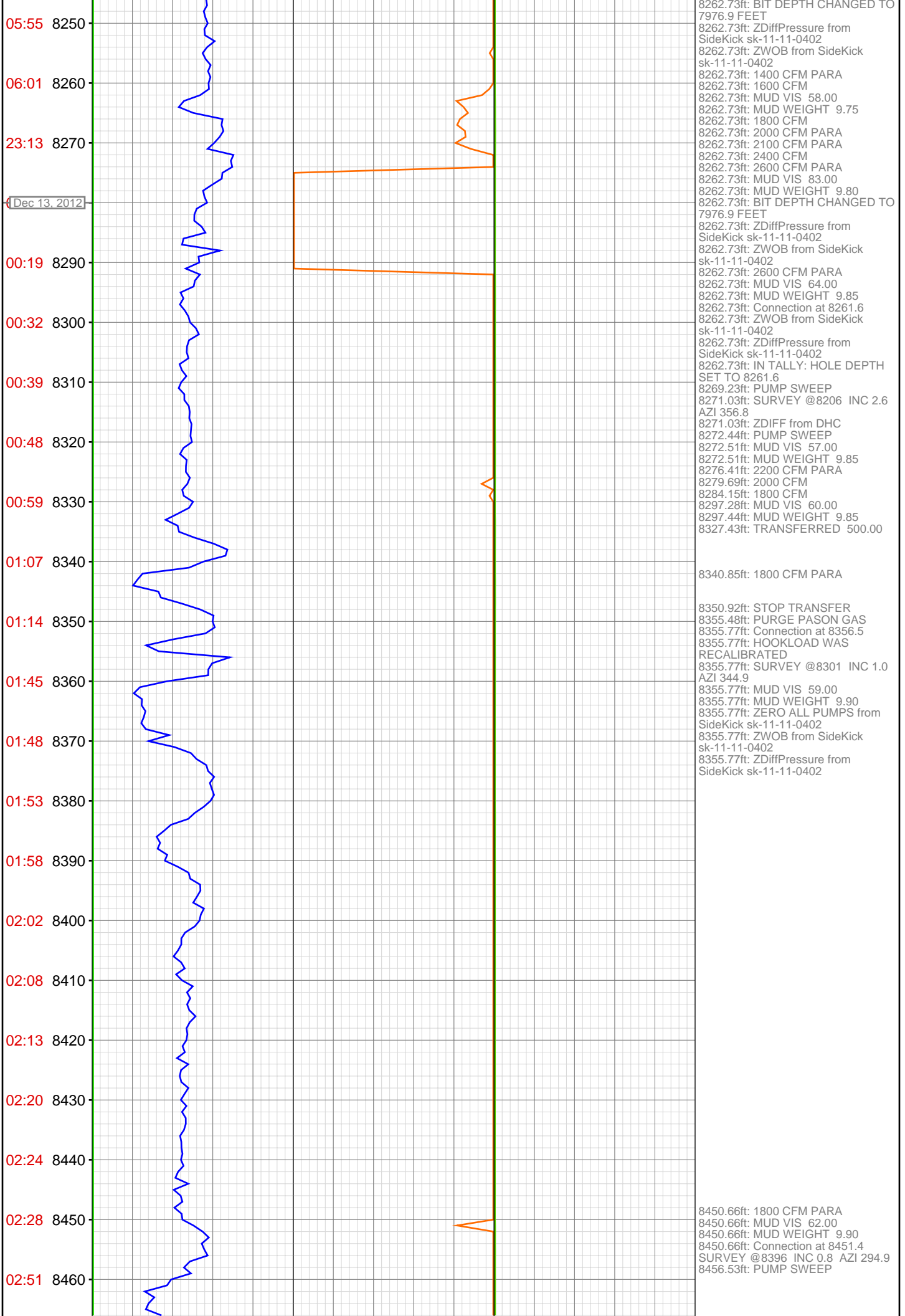
7952.69ft: PUMP SWEEP

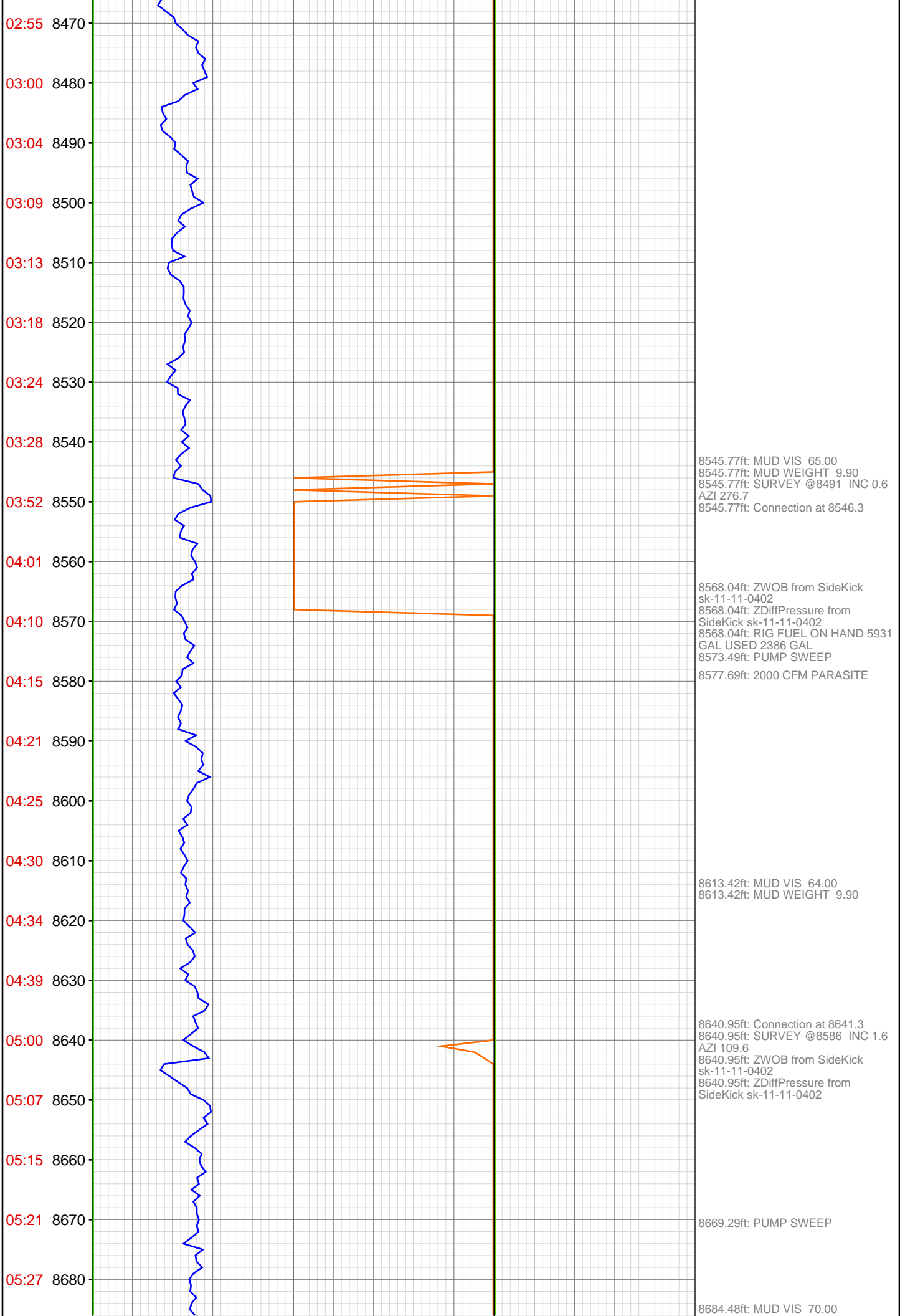
7980.38ft: ZWOB from SideKick  
sk-11-11-0402  
7980.38ft: ZDiffPressure from  
SideKick sk-11-11-0402  
7980.38ft: SURVEY @7928 INC 0.6  
AZI 155.3  
7980.38ft: Connection at 7978.2

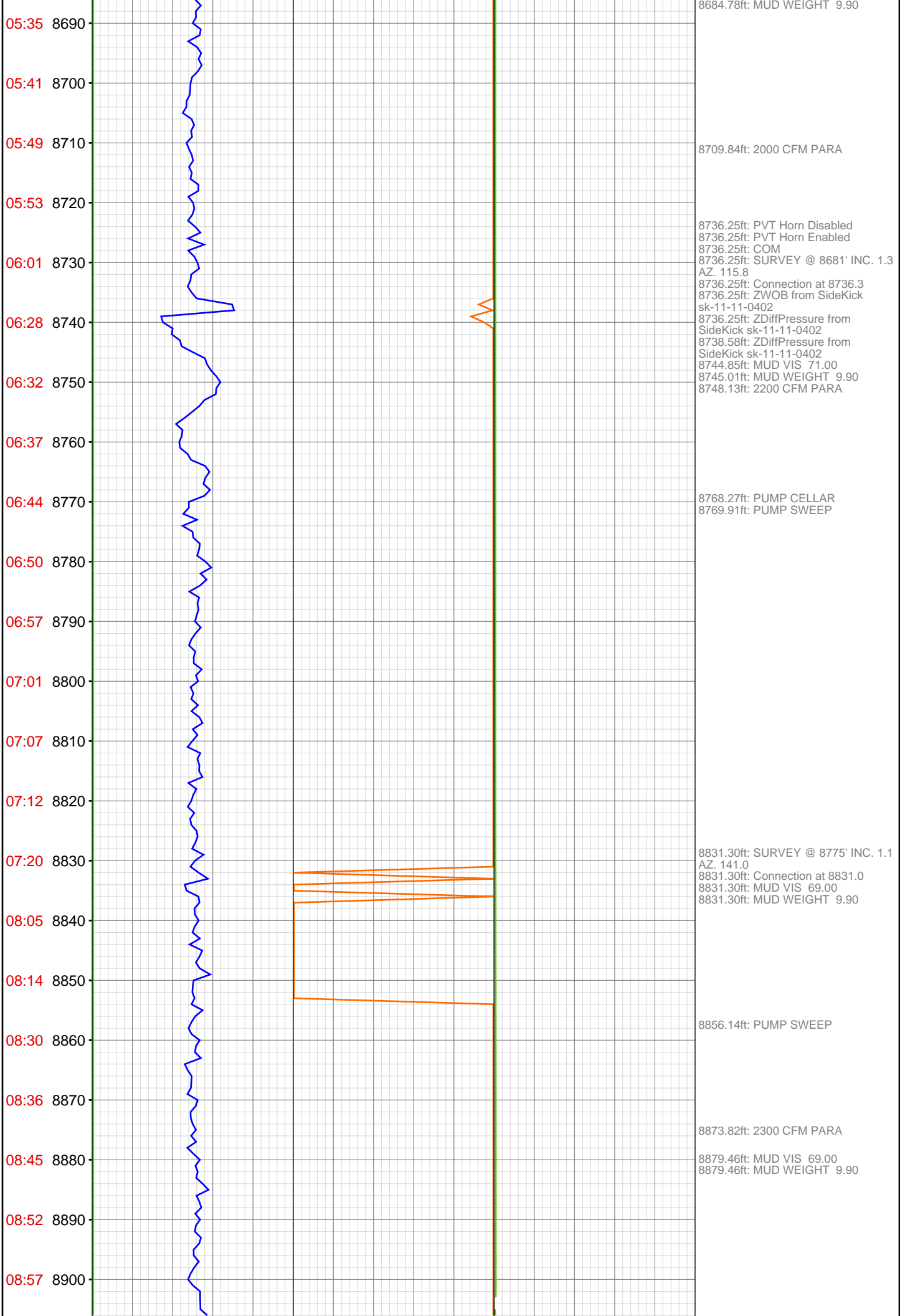
8000.30ft: PUMP SWEEP











09:05 8910  
09:10 8920  
09:39 8930  
09:52 8940  
10:15 8950  
10:21 8960  
10:27 8970  
10:36 8980  
10:42 8990  
10:48 9000  
10:55 9010  
11:02 9020  
11:29 9030  
11:34 9040  
11:38 9050  
11:44 9060  
11:49 9070  
11:54 9080  
12:01 9090  
12:06 9100  
12:12 9110  
12:43 9120

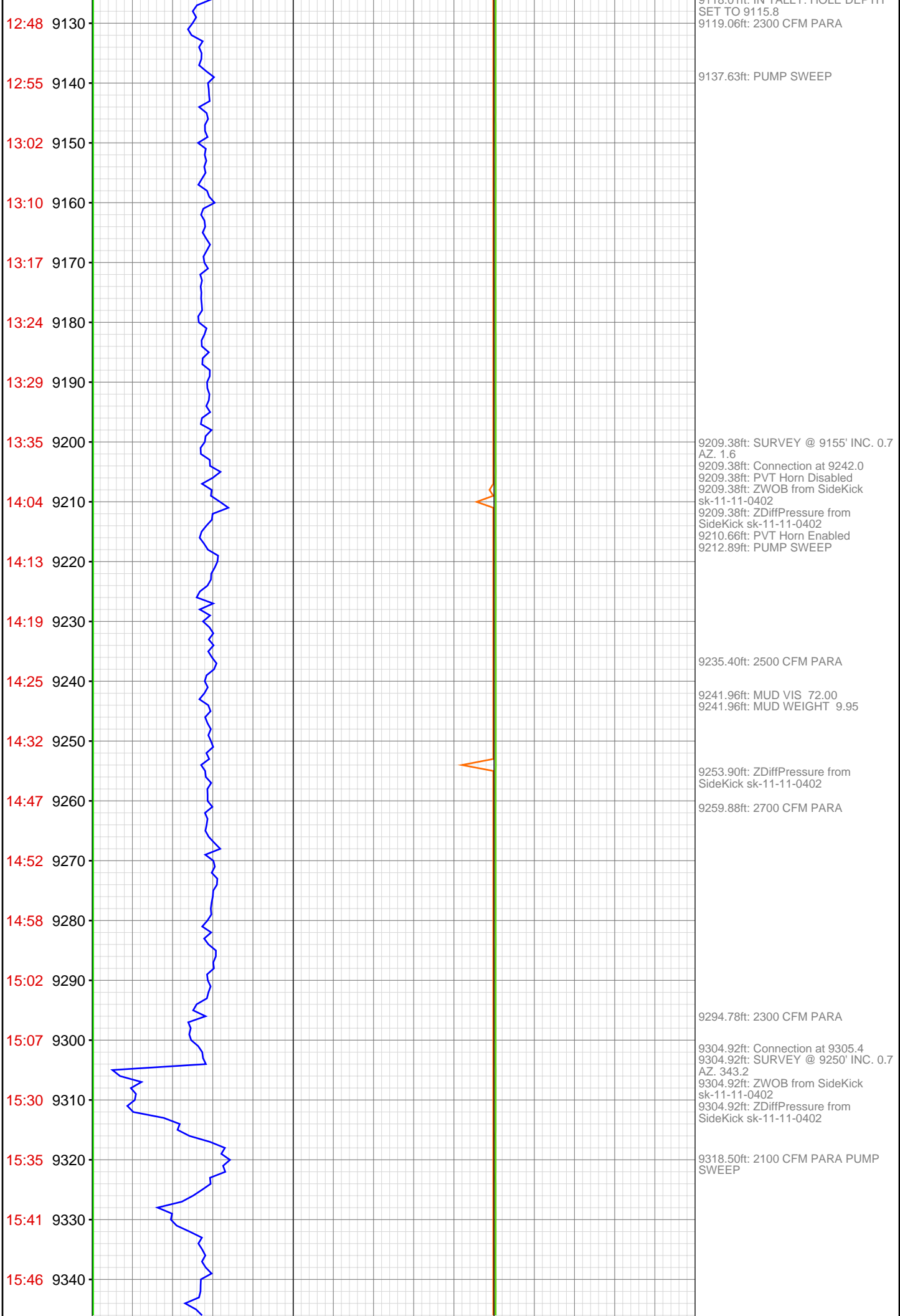


8926.61ft: SURVEY @ 8870' INC. 1.5  
AZ. 53.7  
8926.61ft: Connection at 8925.8  
8926.61ft: ZWOB from SideKick  
sk-11-11-0402  
8926.61ft: ZDiffPressure from  
SideKick sk-11-11-0402  
8931.46ft: PUMP SWEEP

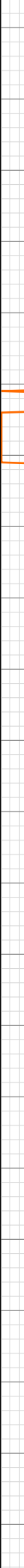
8938.55ft: GA - Zeroed  
8943.04ft: MUD VIS 67.00  
8943.04ft: MUD WEIGHT 9.95

9021.79ft: MUD VIS 67.00  
9021.79ft: MUD WEIGHT 9.95  
9021.79ft: SURVEY @ 8965' INC. 1.0  
AZ. 45.8  
9021.79ft: PVT Horn Disabled  
9021.79ft: Connection at 8925.8  
9021.79ft: 2300 CFM PARA  
9021.79ft: ZWOB from SideKick  
sk-11-11-0402  
9021.79ft: ZDiffPressure from  
SideKick sk-11-11-0402  
9021.79ft: PVT Horn Enabled  
9031.66ft: PUMP SWEEP

9116.96ft: MUD VIS 68.00  
9116.96ft: MUD WEIGHT 9.95  
9116.96ft: Connection at 9115.8  
9116.96ft: SURVEY 9060' INC. 1.0  
AZ. 43.2  
9116.96ft: ZWOB from SideKick  
sk-11-11-0402  
9116.96ft: ZDiffPressure from  
SideKick sk-11-11-0402  
9118.01ft: IN TALLY: HOI 5' DEPTH



15:52 9350  
15:58 9360  
16:05 9370  
16:11 9380  
16:16 9390  
16:21 9400  
17:35 9410  
17:43 9420  
17:47 9430  
17:53 9440  
17:57 9450  
18:02 9460  
18:09 9470  
18:14 9480  
18:19 9490  
18:46 9500  
18:50 9510  
18:55 9520  
18:59 9530  
19:04 9540  
19:09 9550  
19:17 9560



9374.02ft: TRANSFERRED 500.00

9396.39ft: PVT Horn Disabled  
9400.03ft: 2200 CFM PARA  
9400.03ft: Connection at 9400.4  
9400.03ft: ZDiffPressure from  
SideKick sk-11-11-0402  
9400.03ft: ZWOB from SideKick  
sk-11-11-0402  
9400.03ft: SURVEY @ 9345' INC. 1.1  
AZ. 346.2  
9400.03ft: PVT Horn Enabled  
9400.62ft: 2300 CFM PARA  
9411.38ft: ZWOB from SideKick  
sk-11-11-0402  
9411.38ft: ZDiffPressure from  
SideKick sk-11-11-0402

9494.39ft: MUD VIS 60.00  
9494.39ft: MUD WEIGHT 10.00  
9494.39ft: SURVEY @9440 INC 0.3  
AZI 163.6  
9494.39ft: Connection at 9495.6  
9494.39ft: ZWOB from SideKick  
sk-11-11-0402  
9494.39ft: ZDiffPressure from  
SideKick sk-11-11-0402  
9497.24ft: CHECK C.O.M  
9501.18ft: 2200 CFM PARASITE

