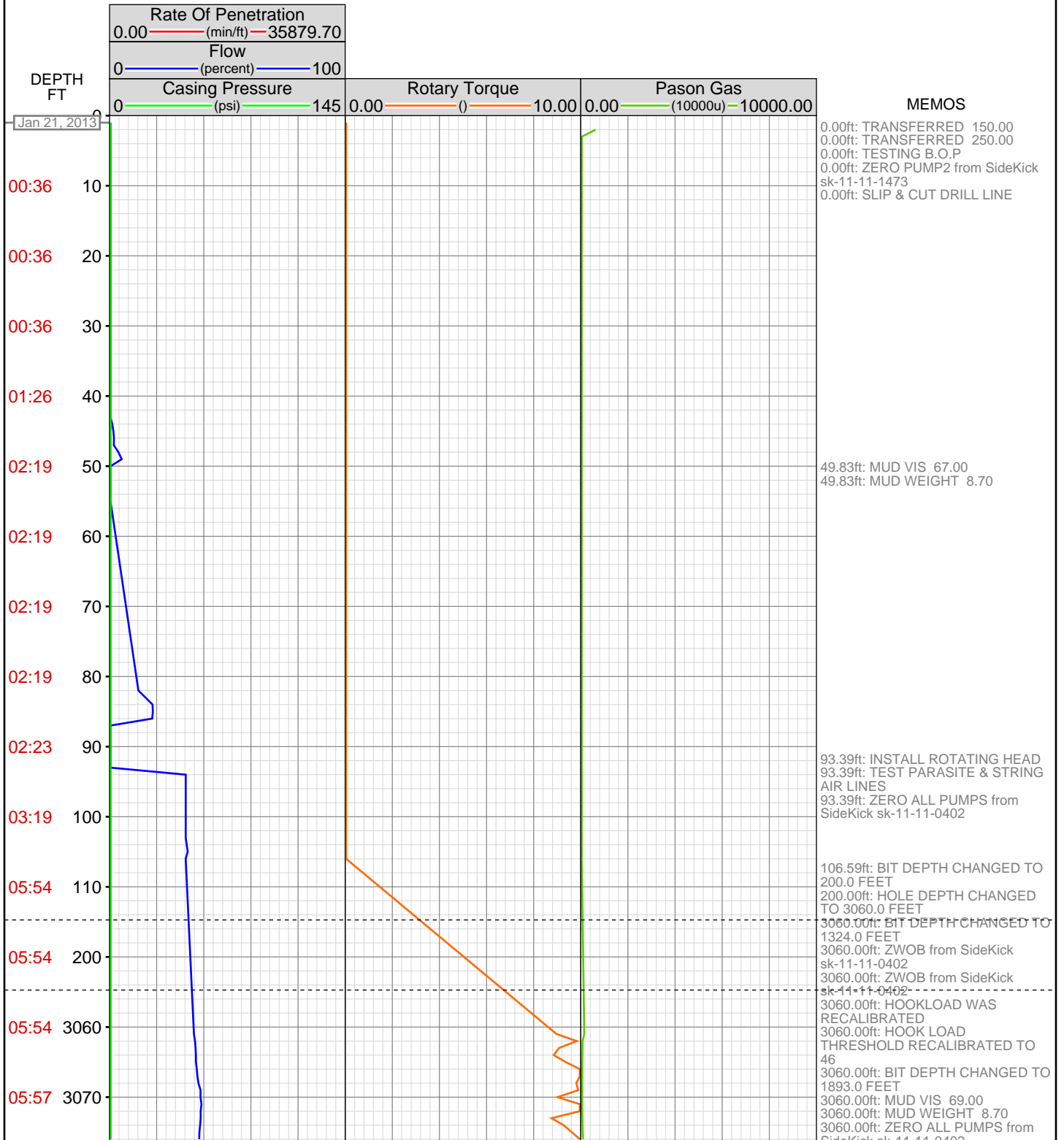
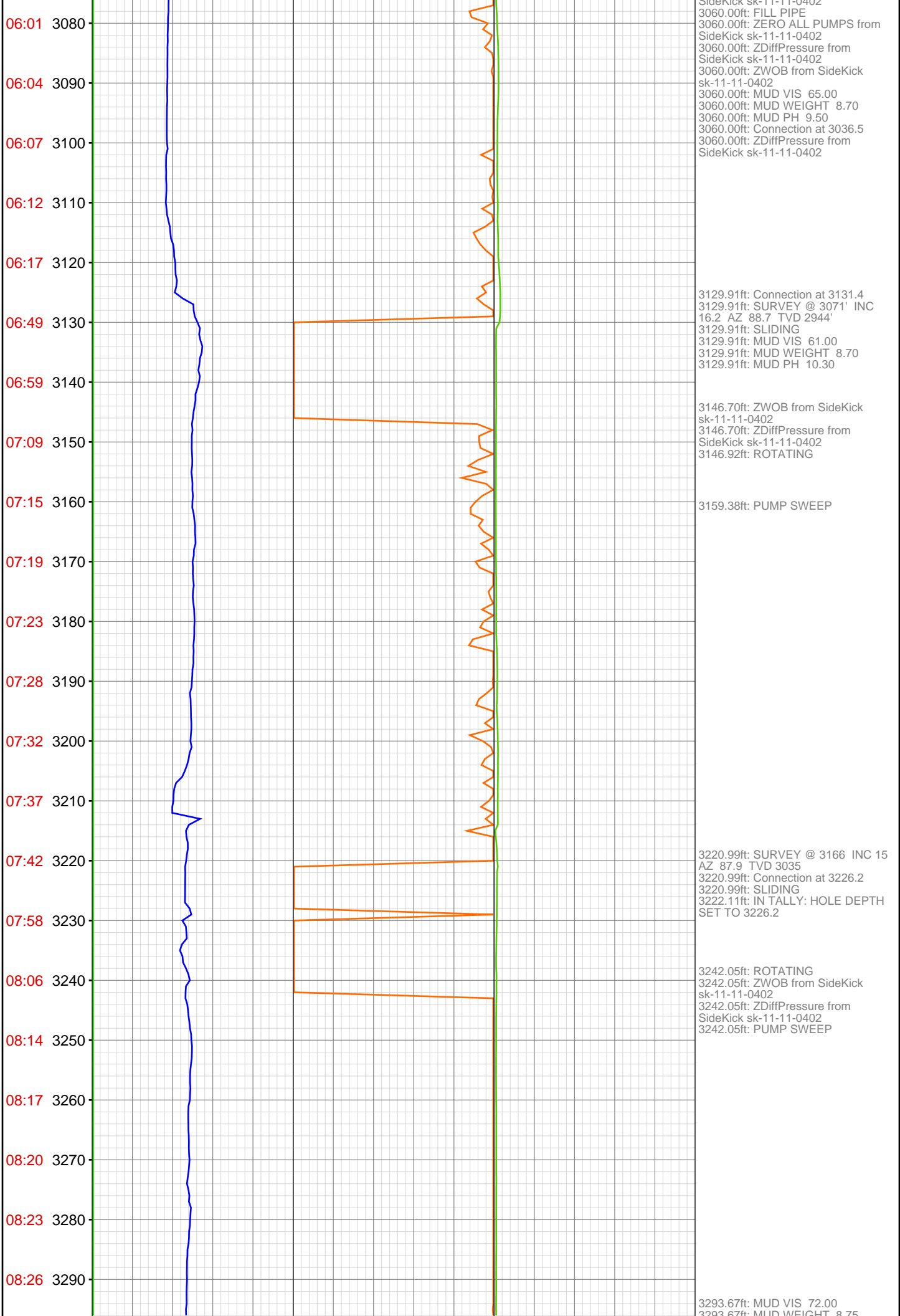
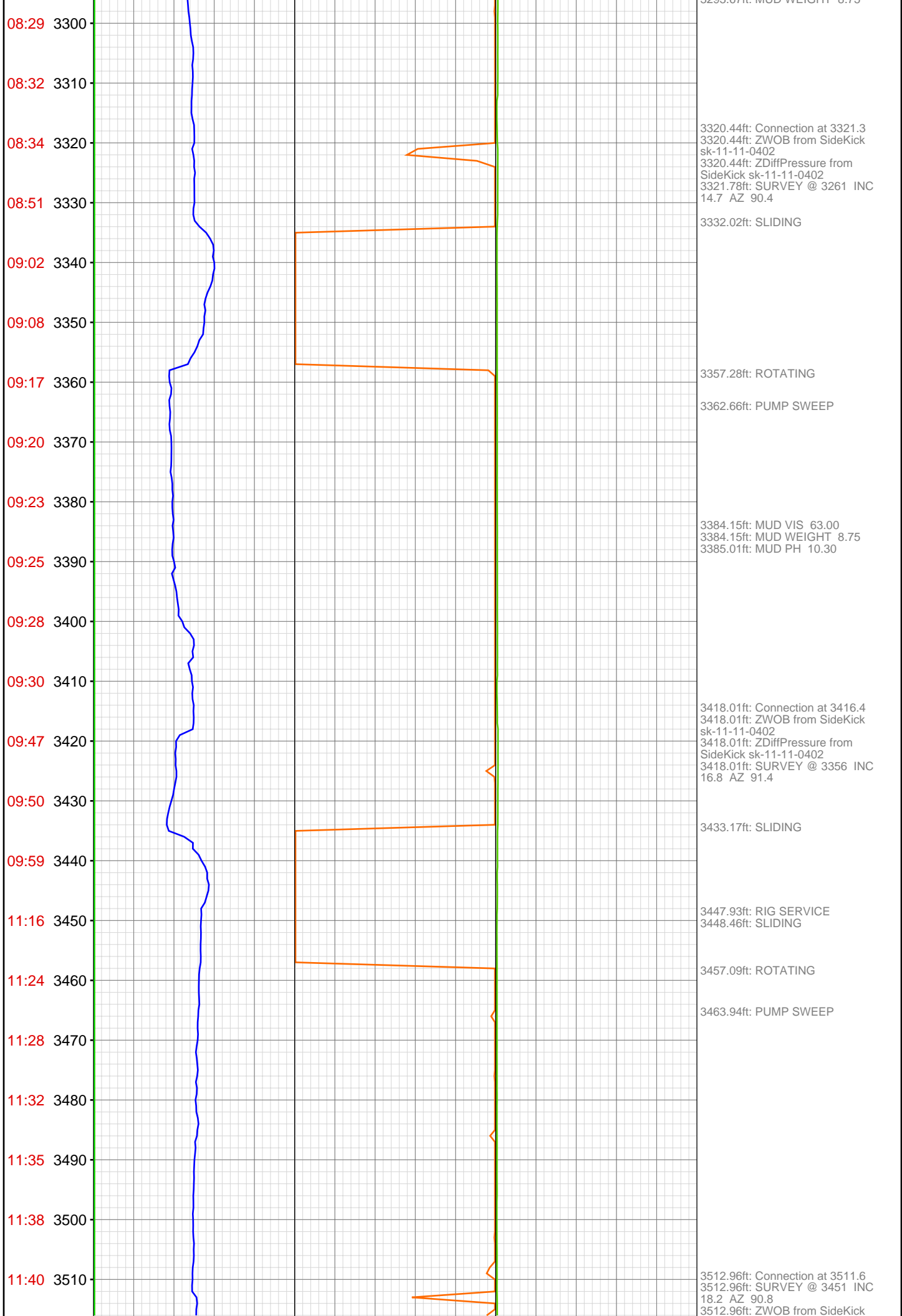


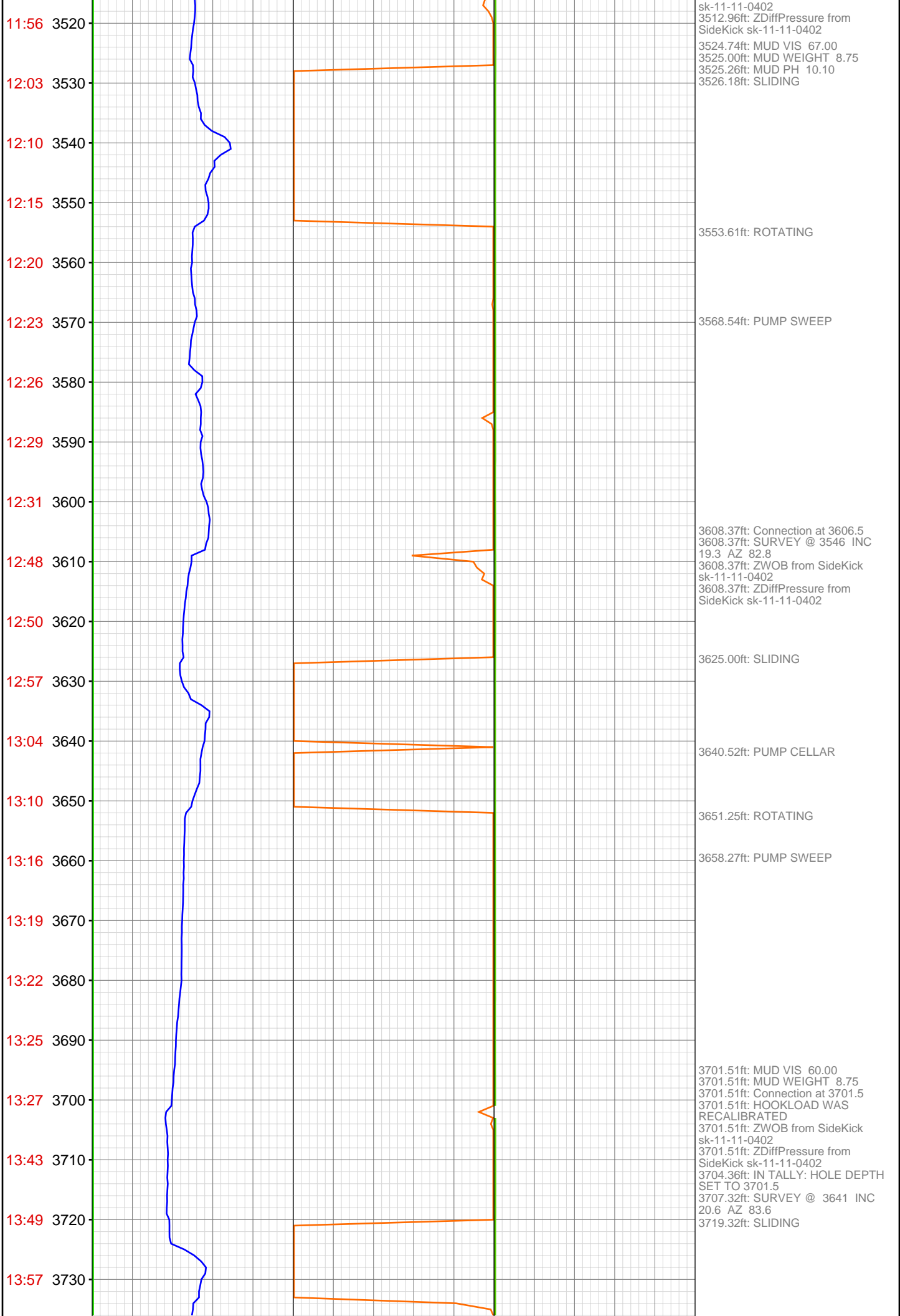
**OPERATOR:** EnCana Oil & Gas (USA), Inc.  
**WELL:** SG 8509D-24 L24 496  
**FIELD:**  
**LOCATION:**  
**COUNTRY:** USA  
**RIG:** Pat-UTI 330

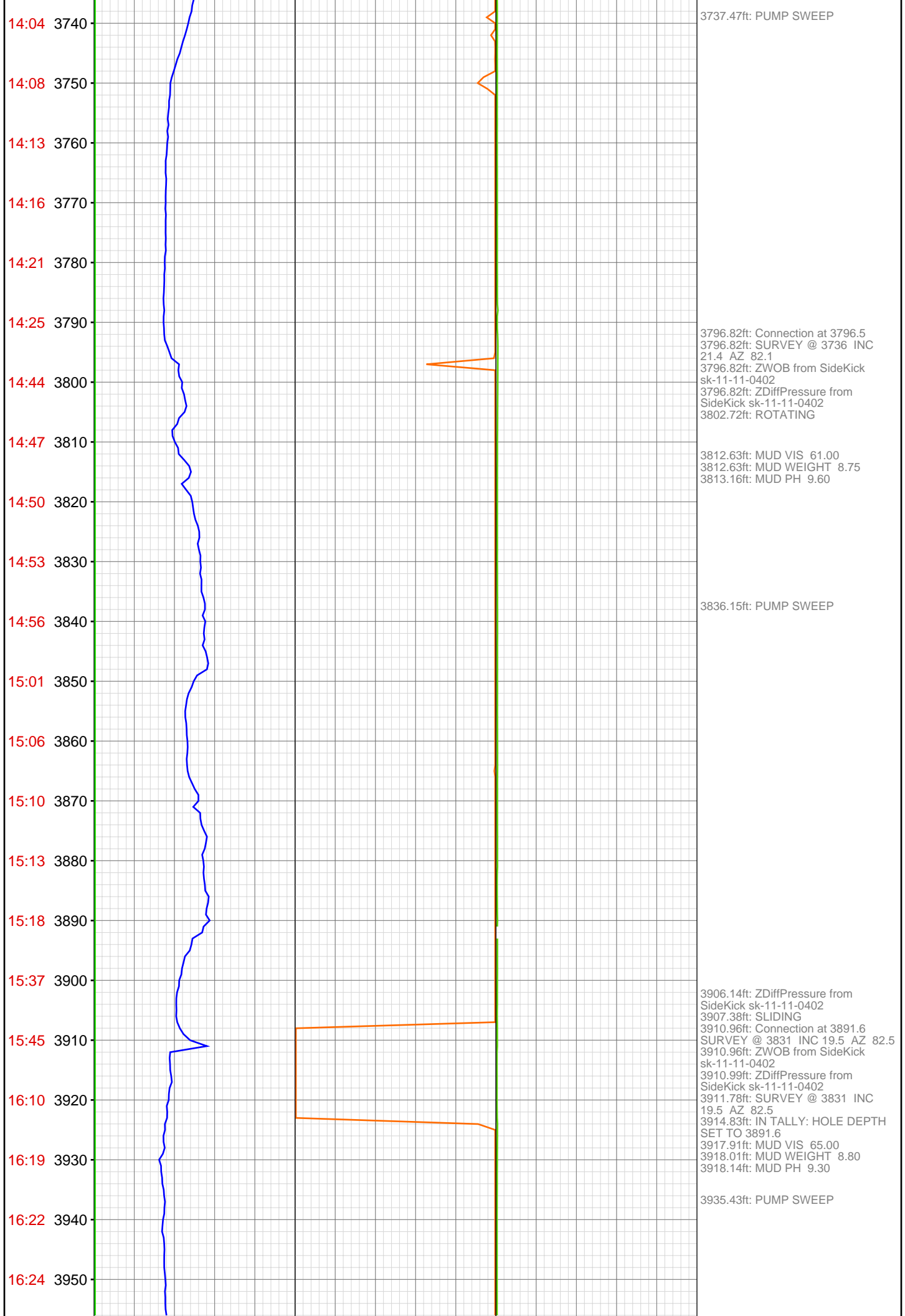
**CONTRACTOR:** Patterson-UTI Drilling Company  
**UNIQUE WELL ID:** 05-045-21178-00  
**SPUD DATE:** Jan 19, 2013 06:00  
**RELEASE DATE:**

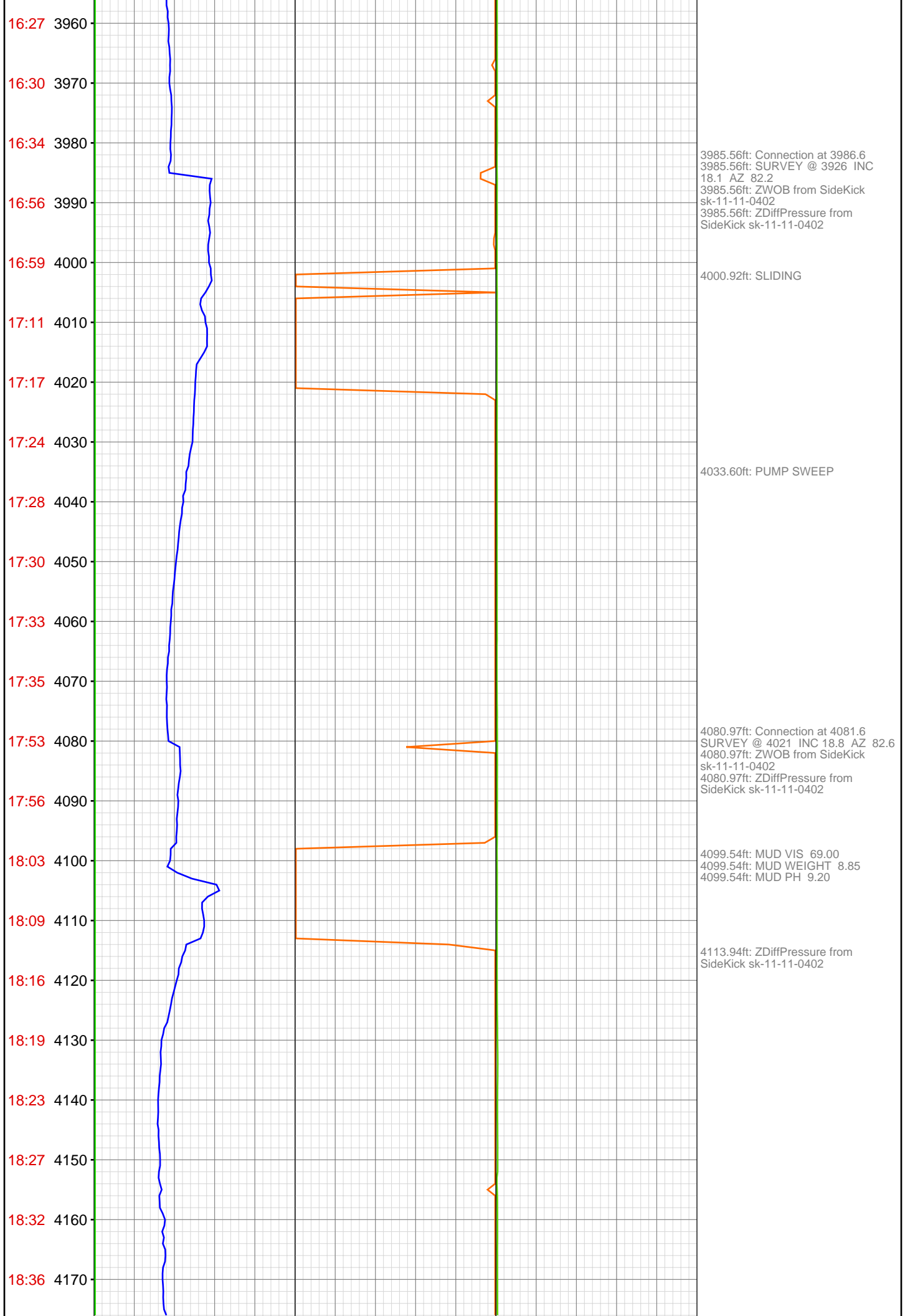


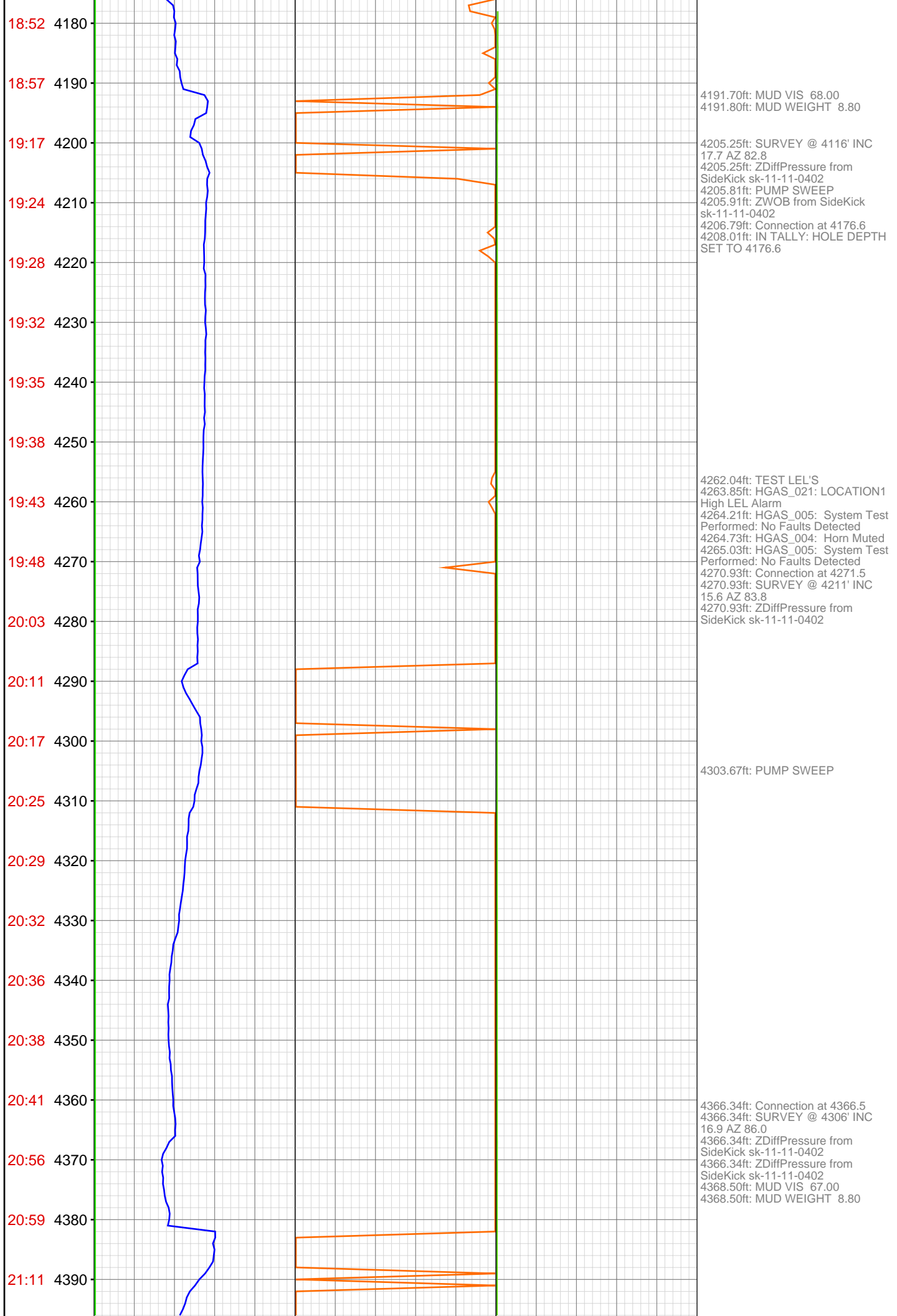


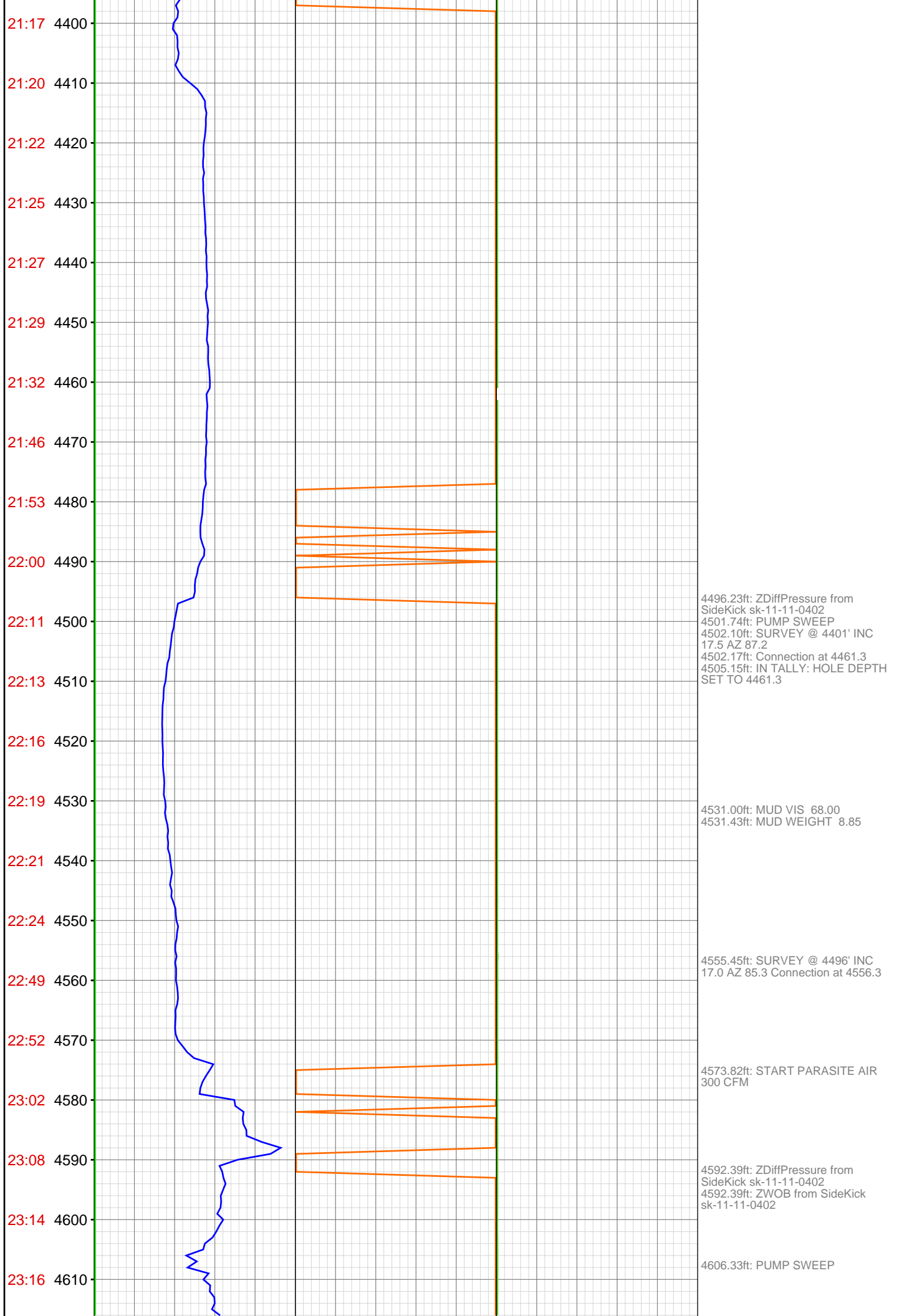




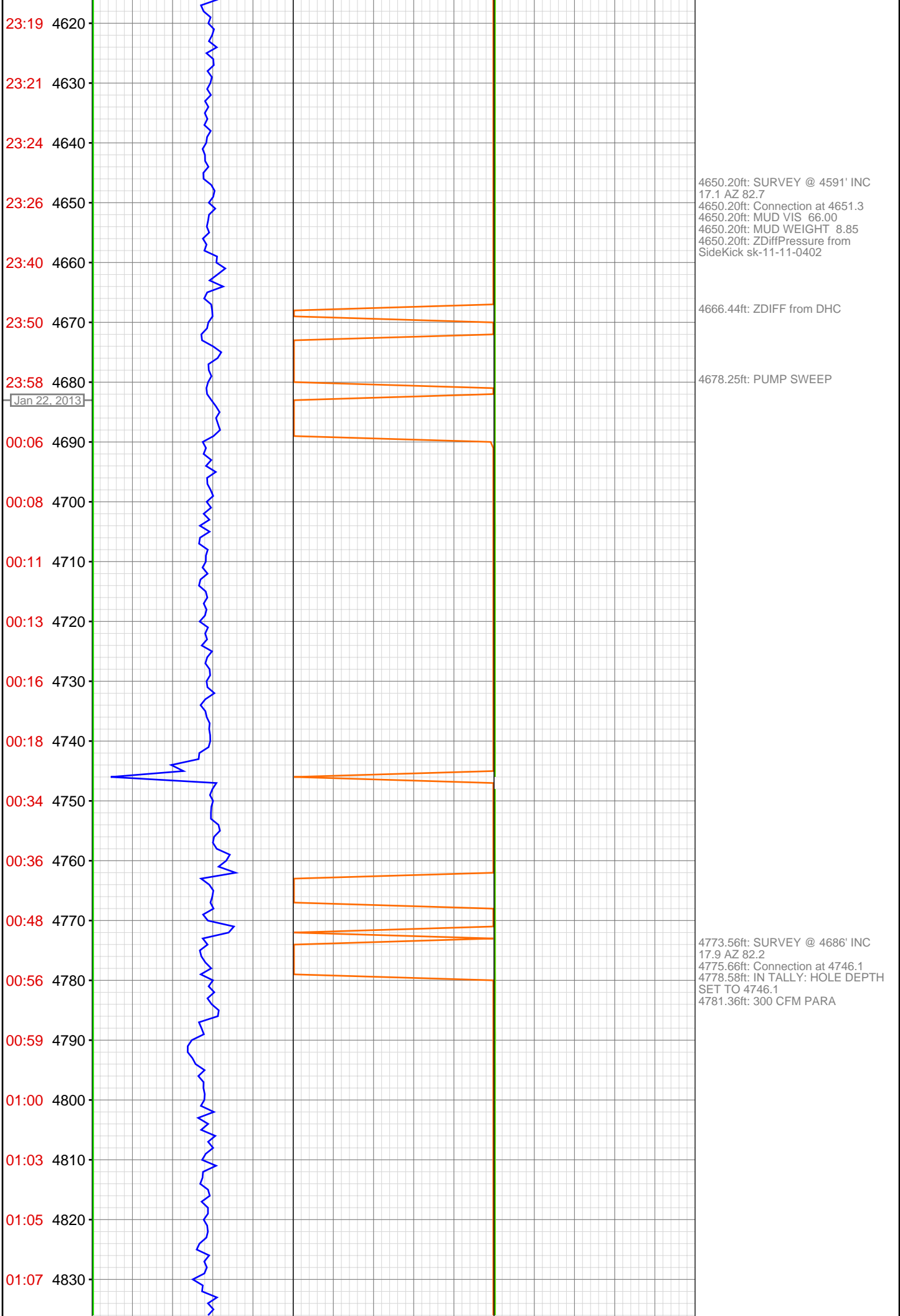


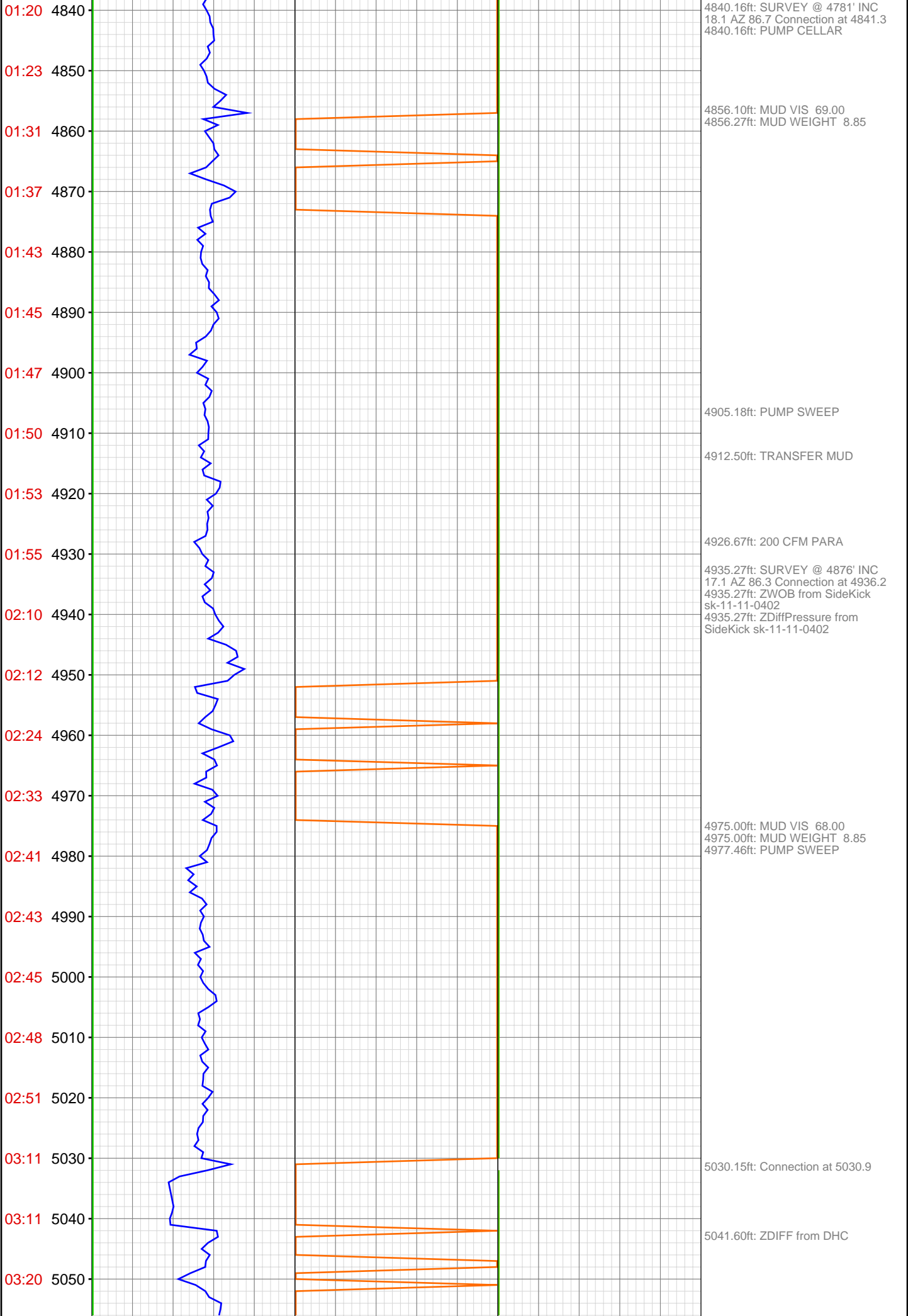


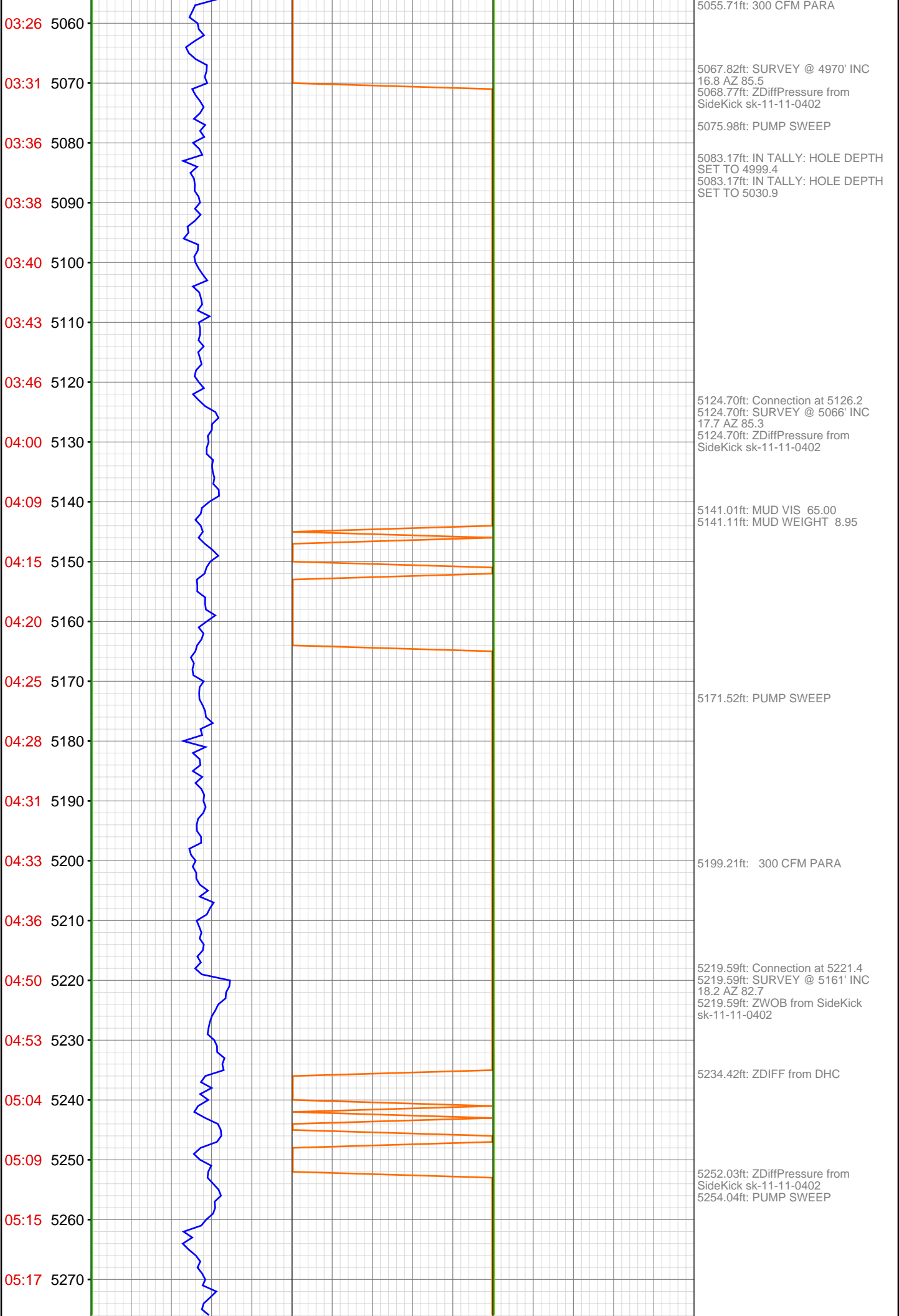


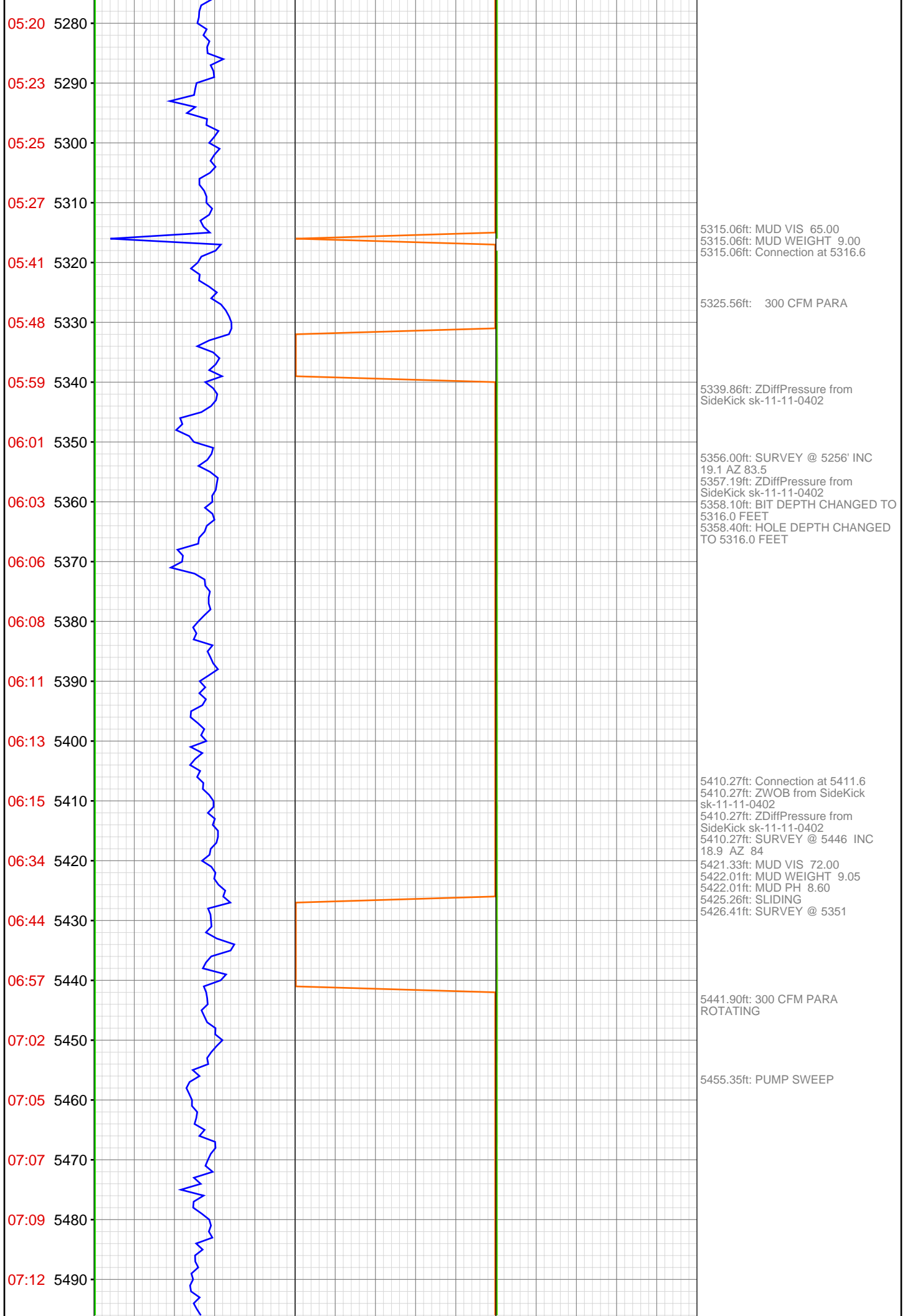


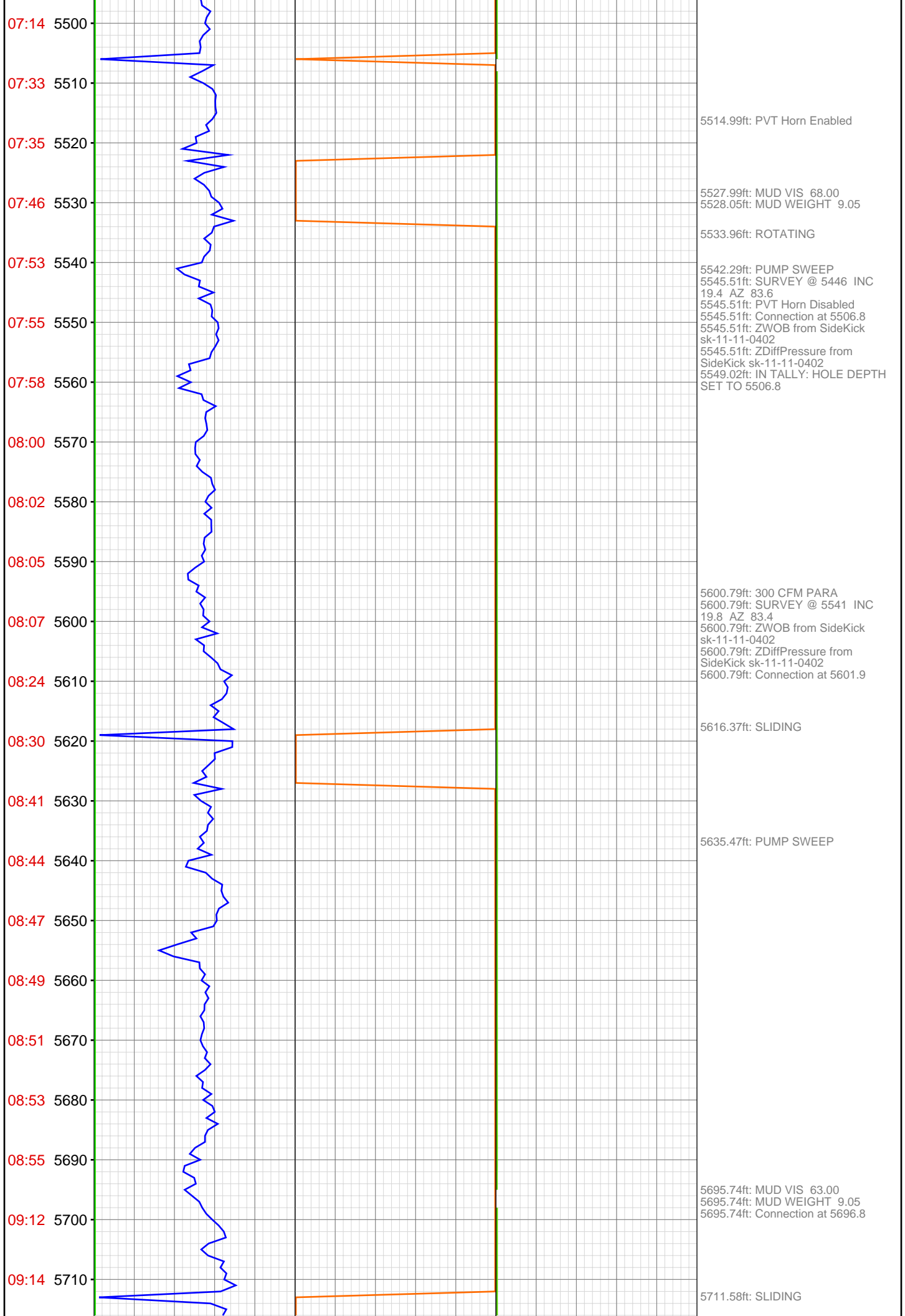


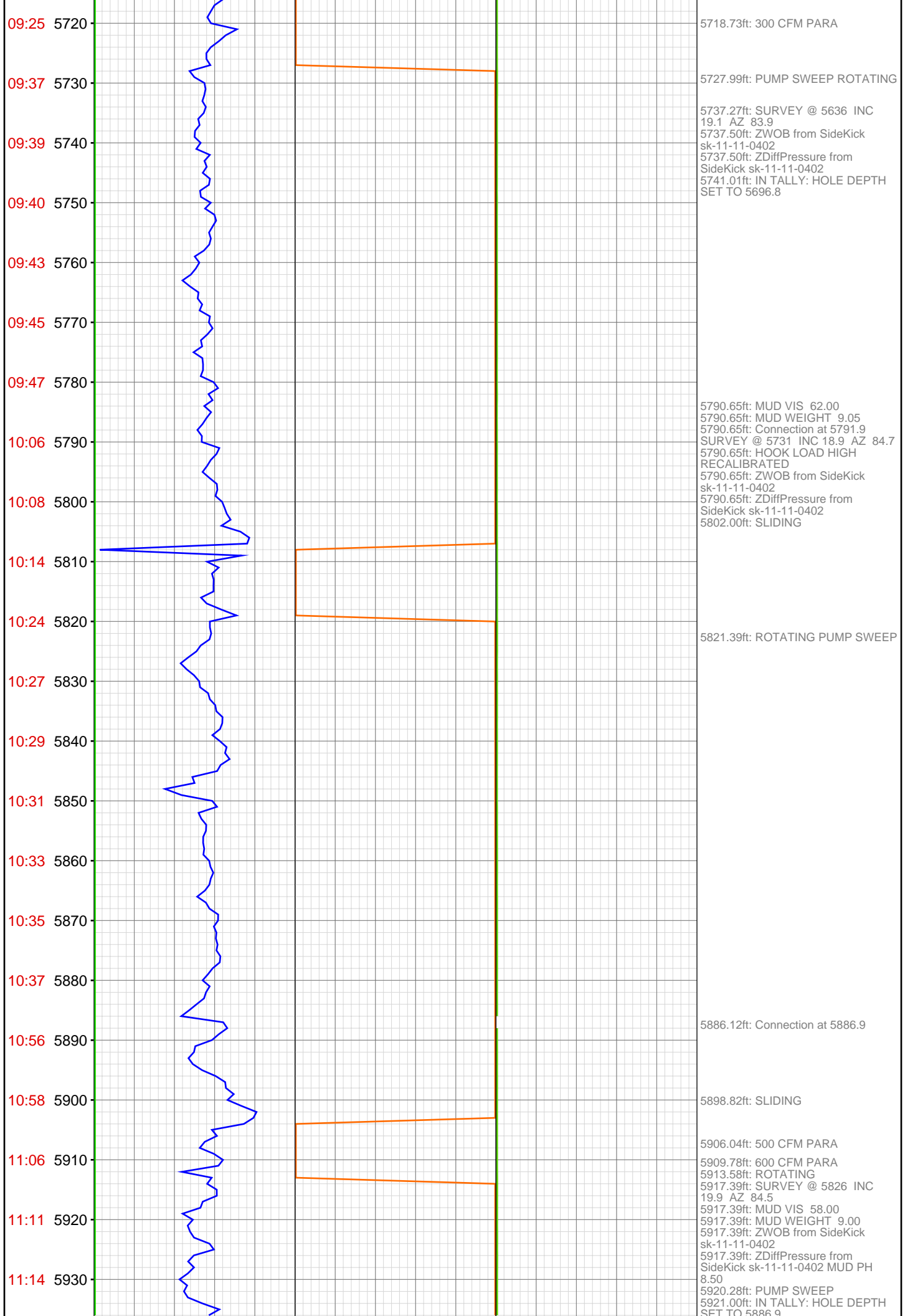


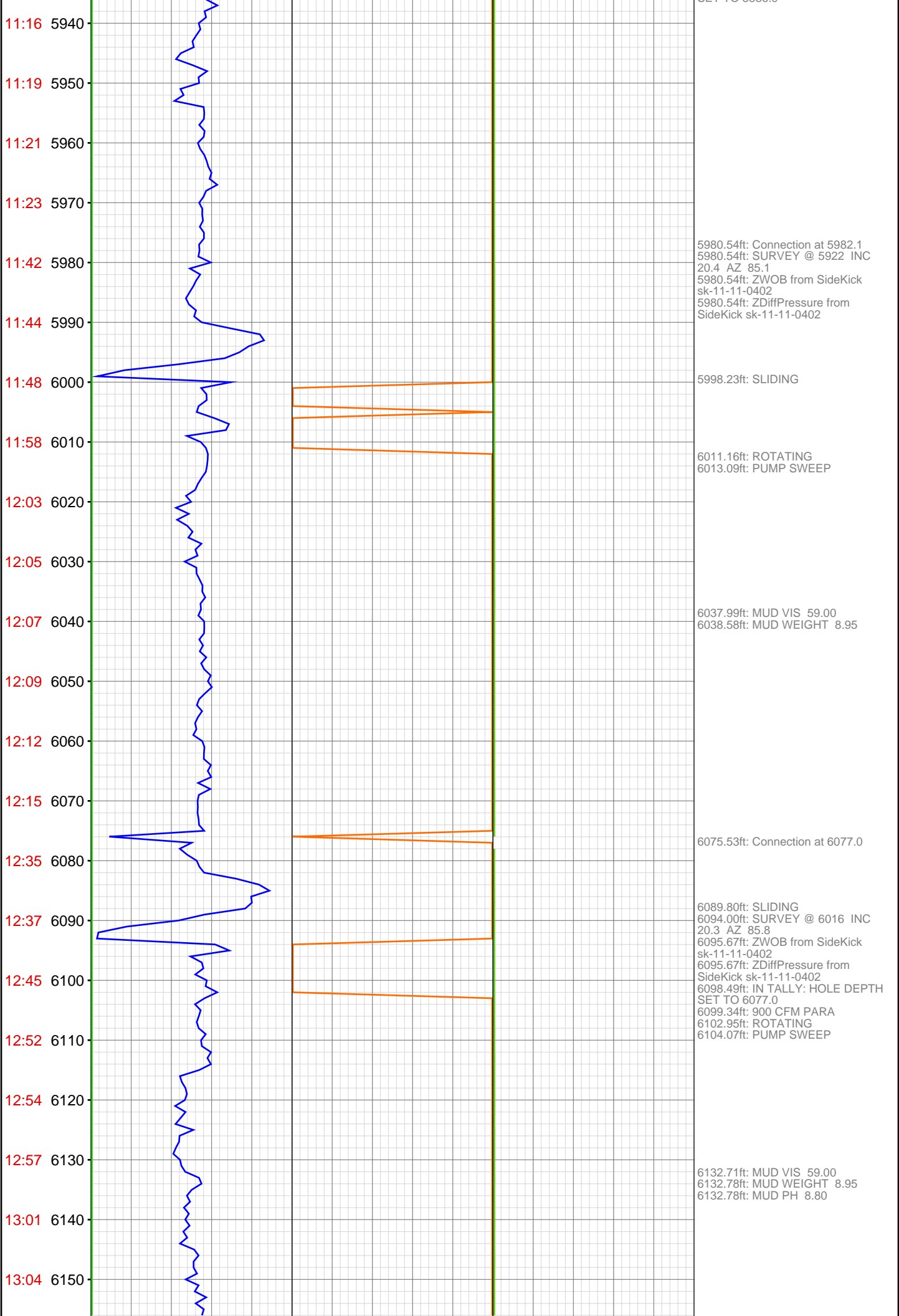


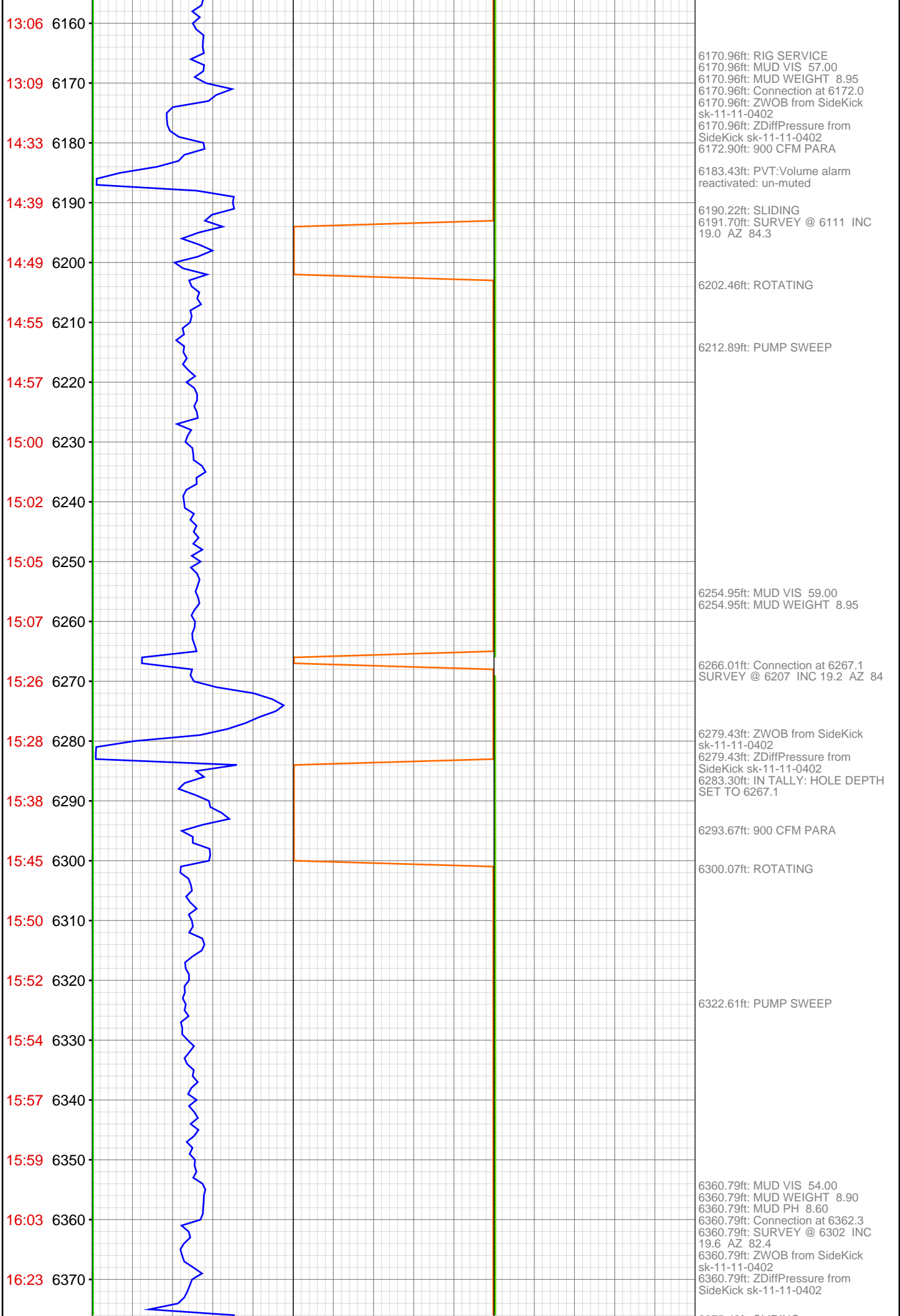




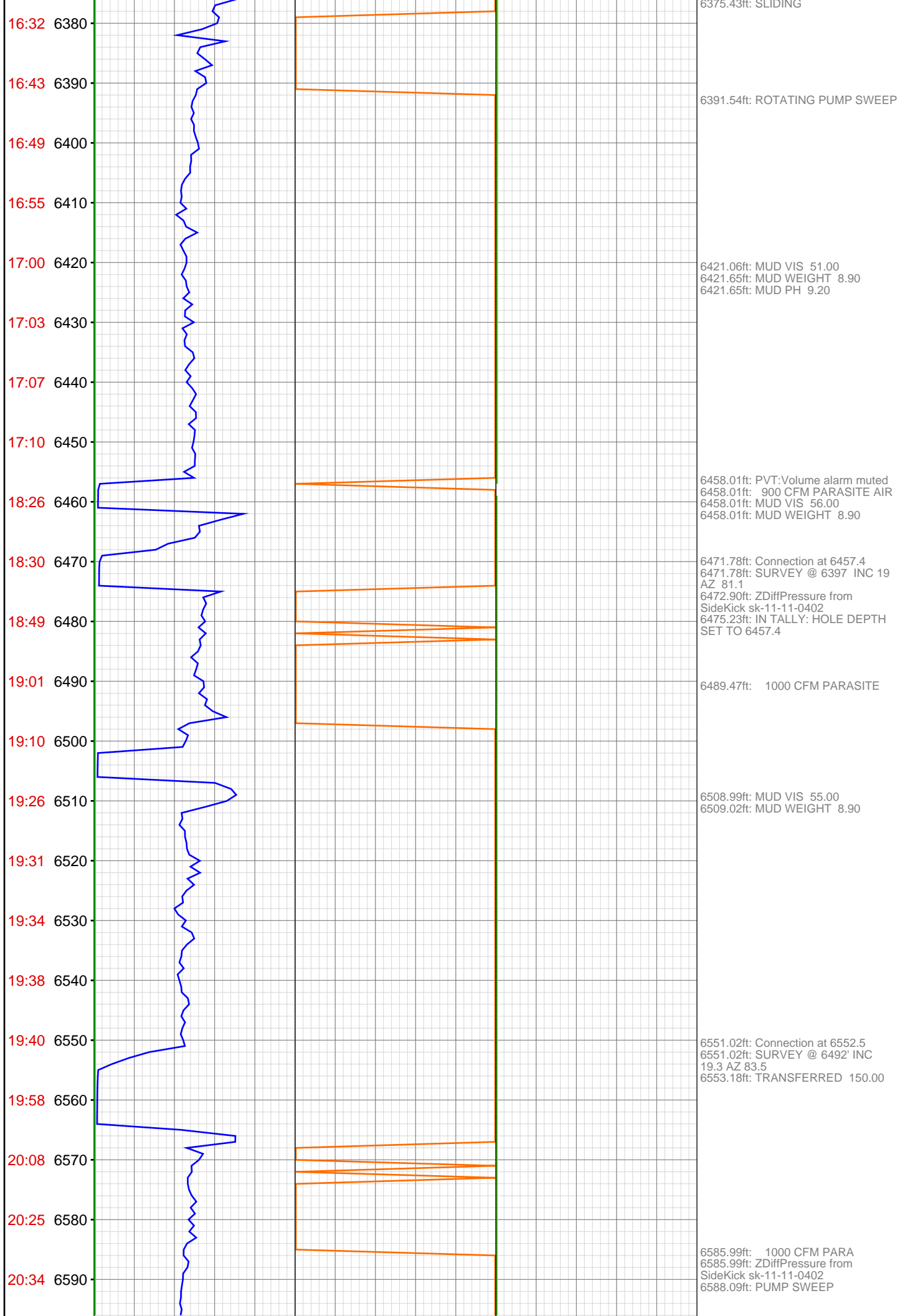


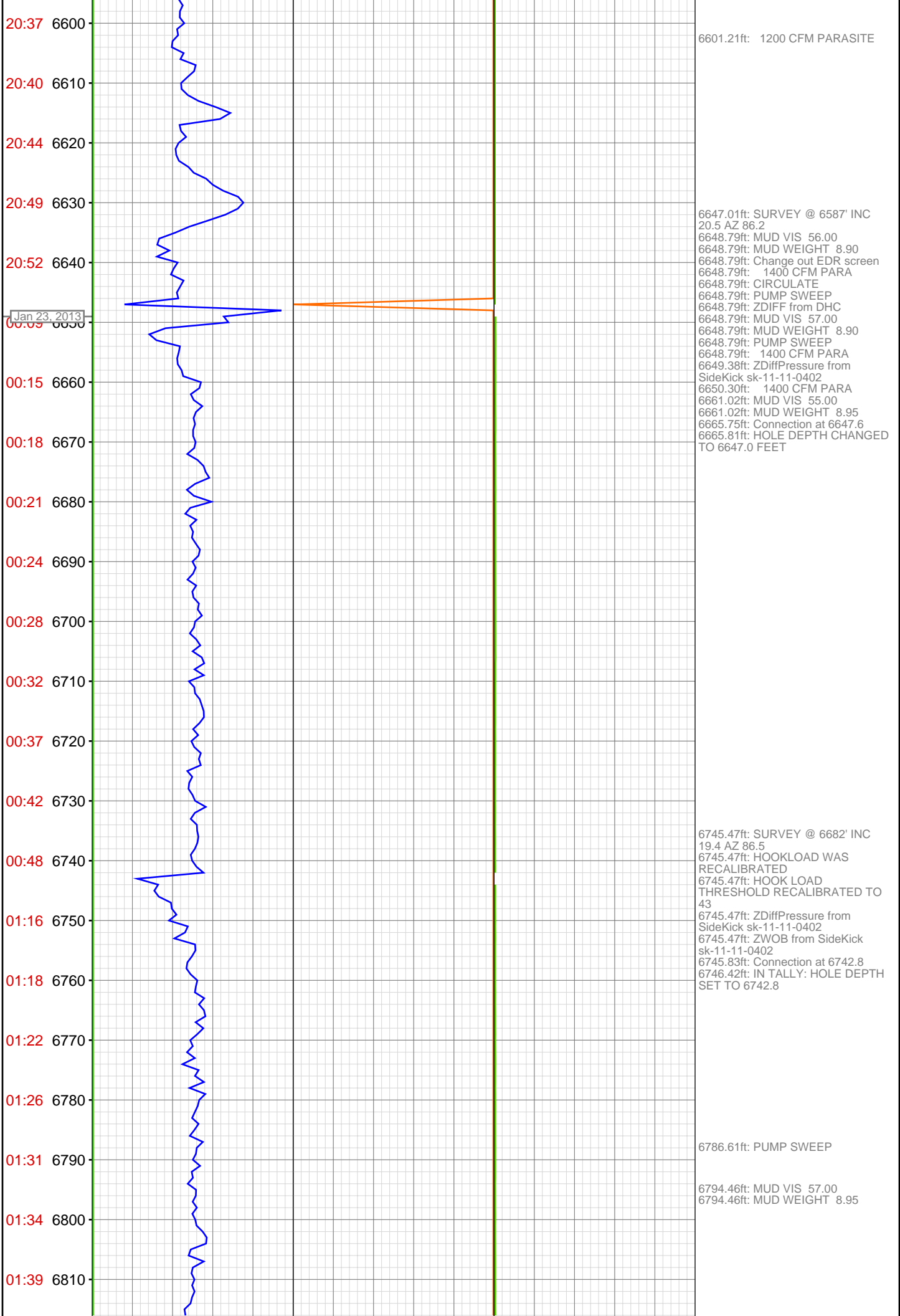


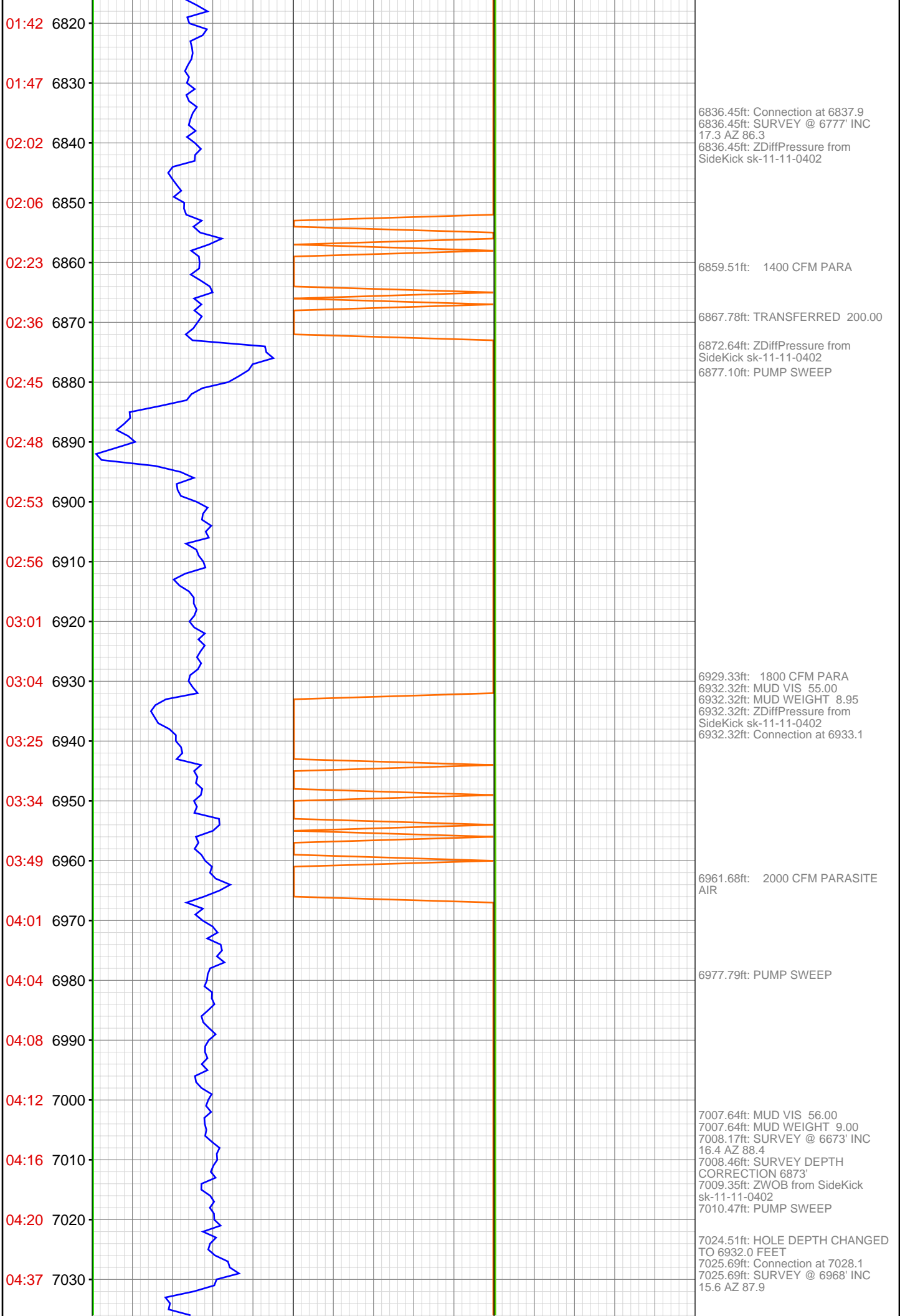


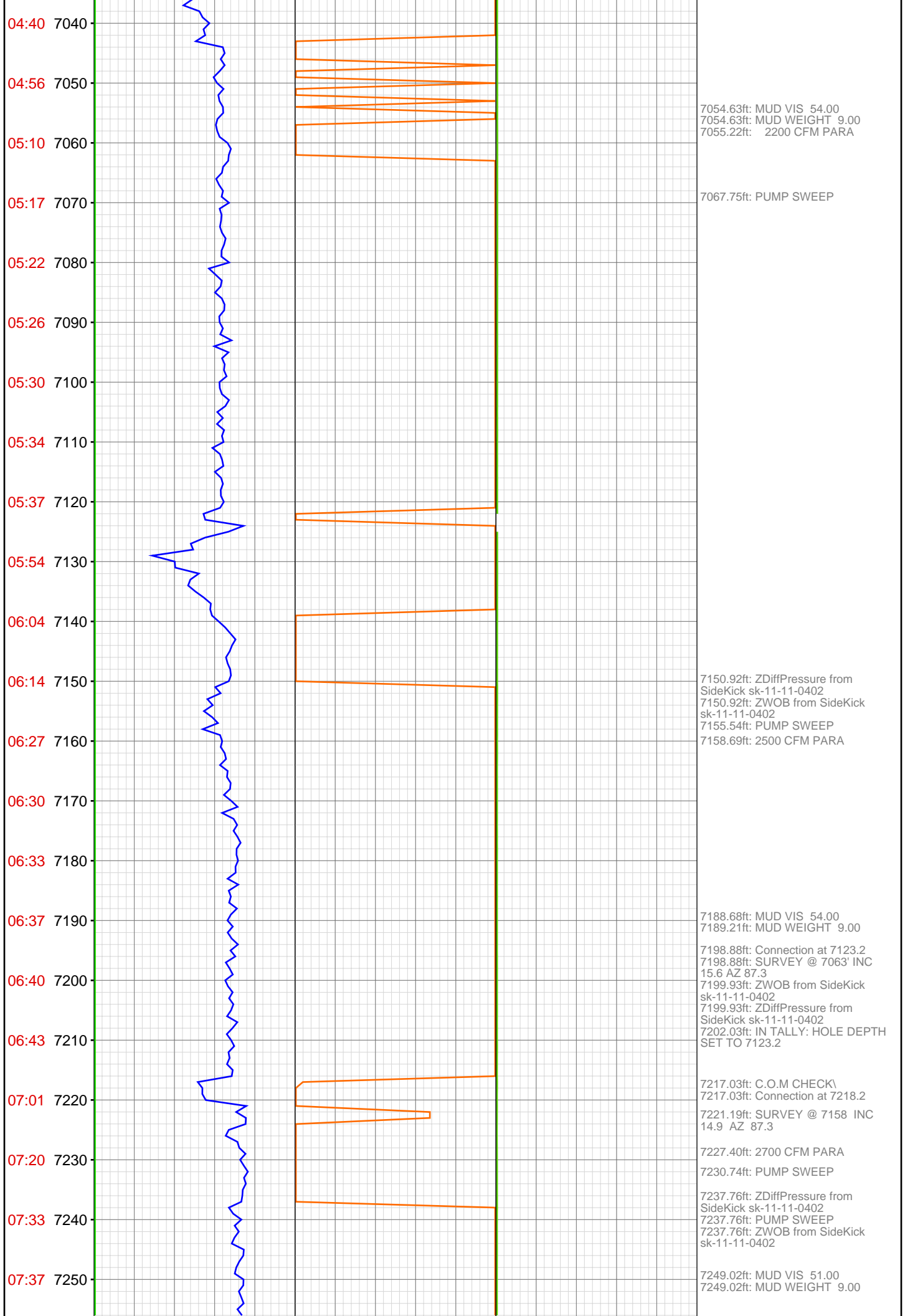


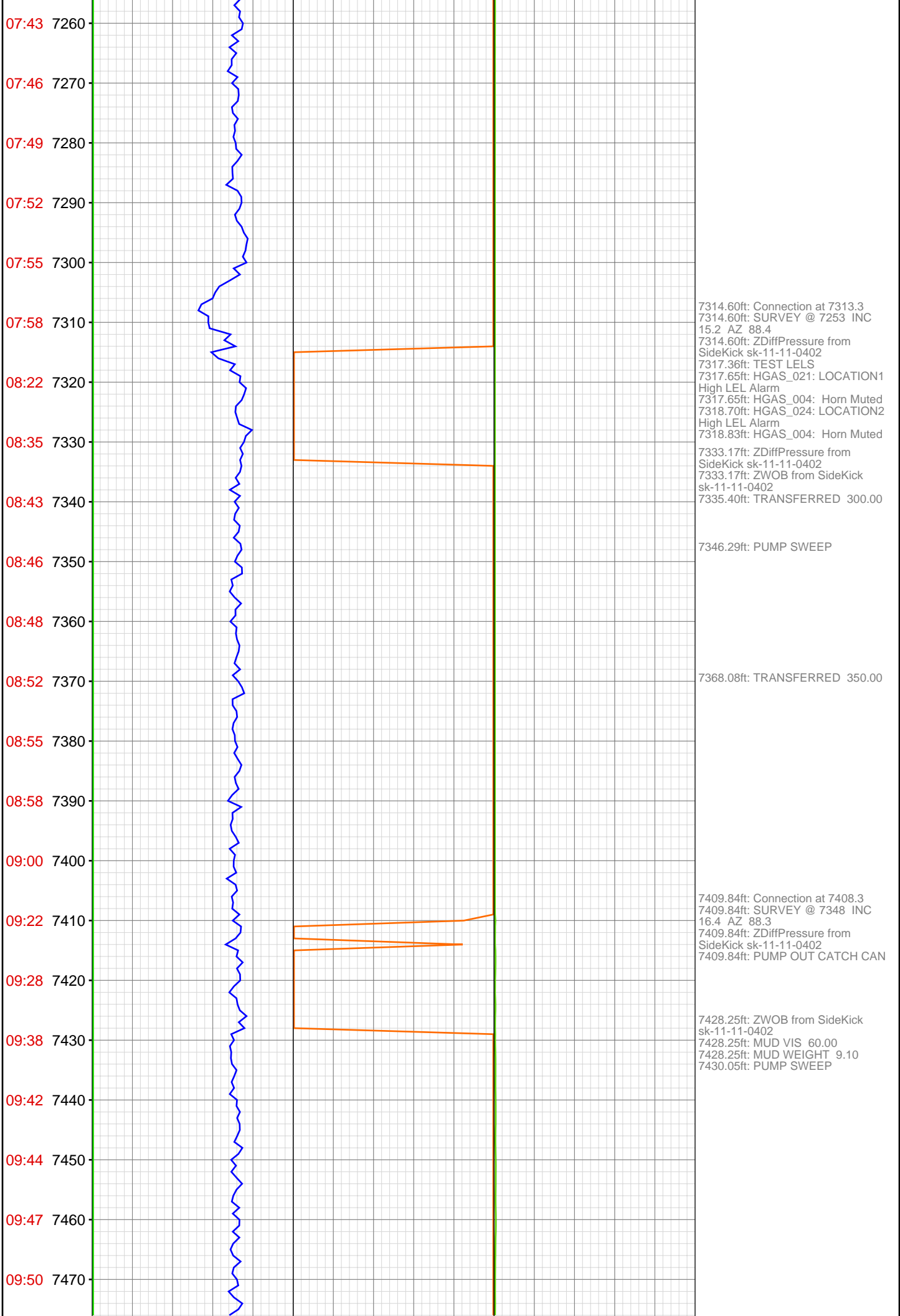


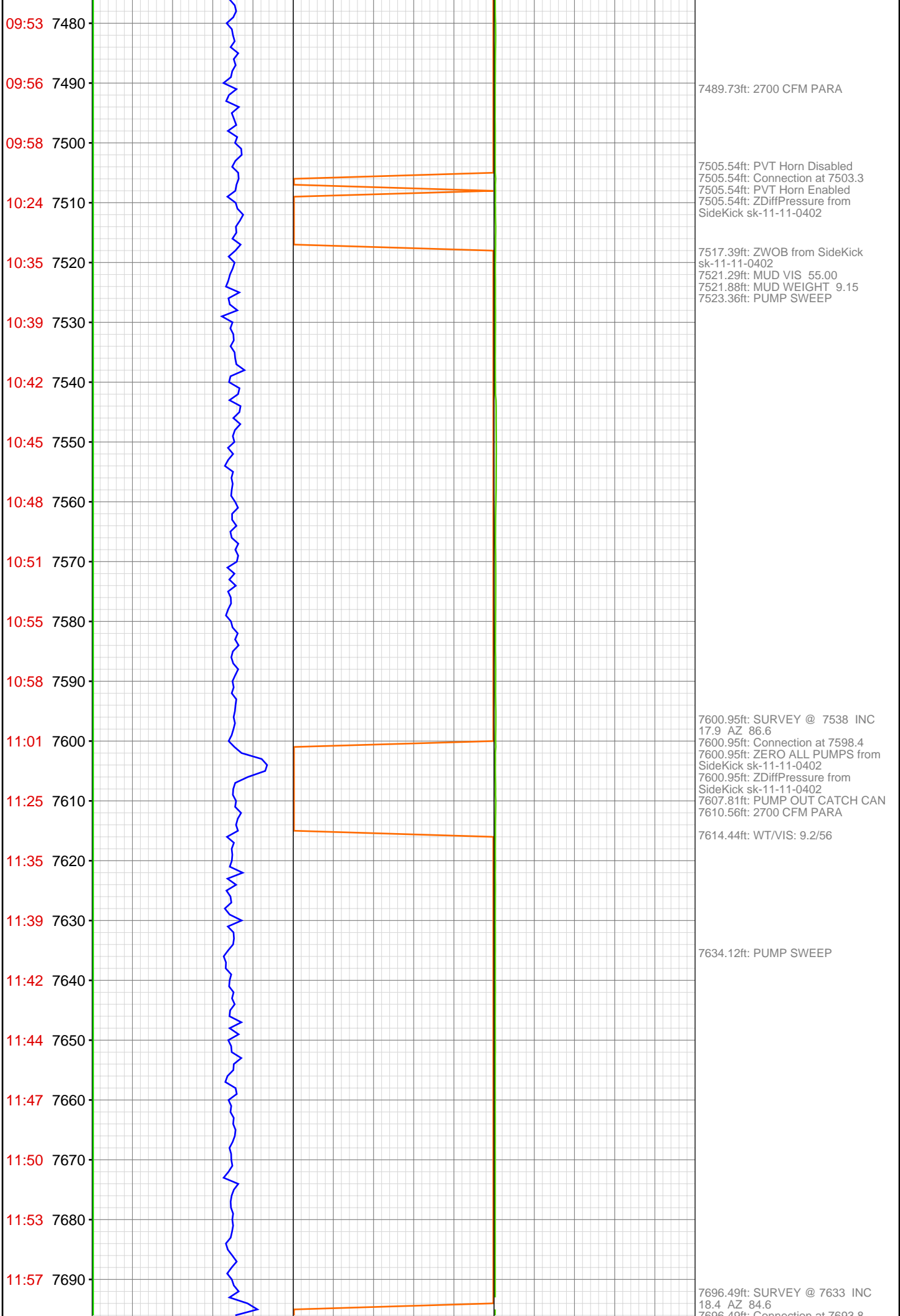


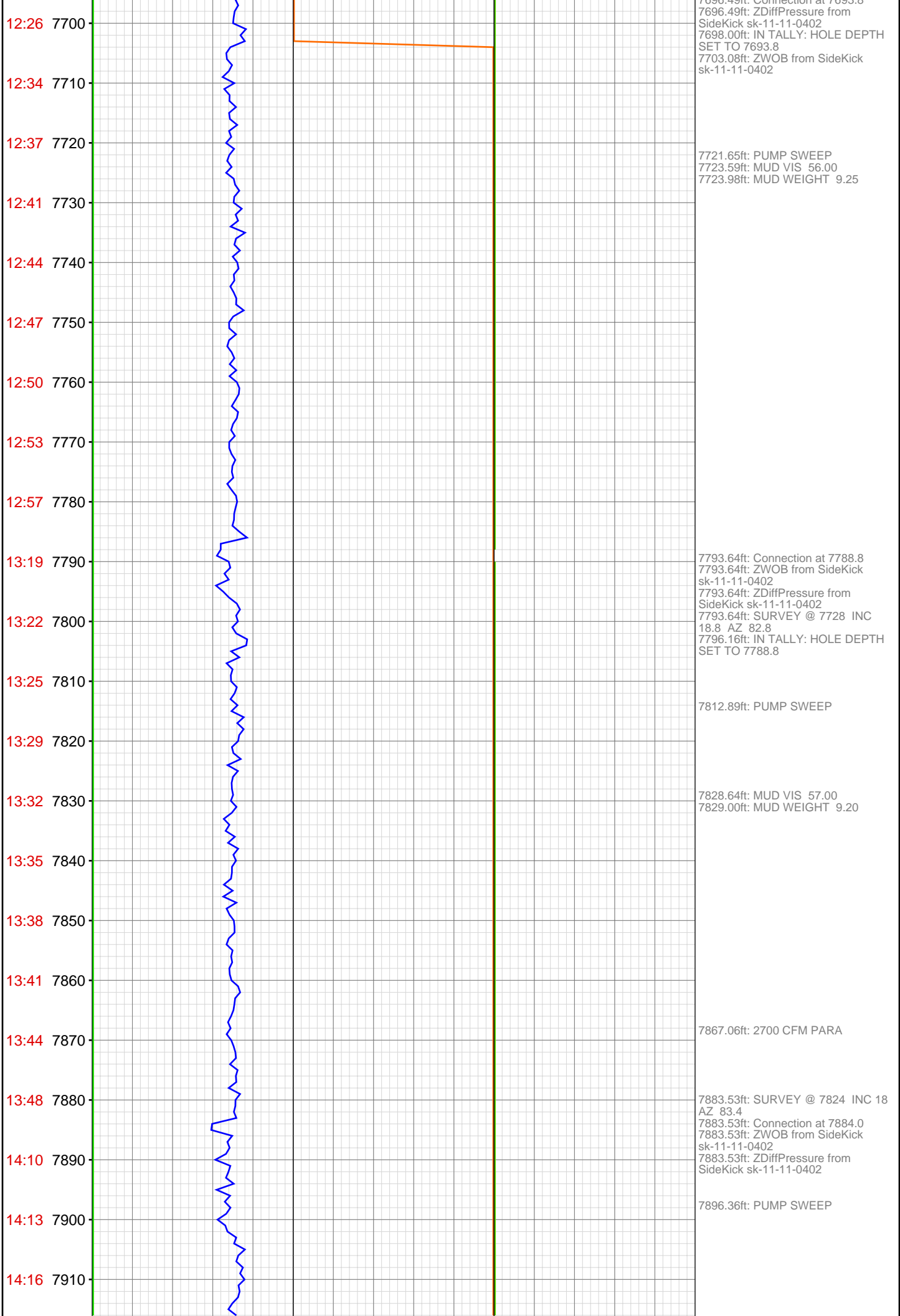












14:20 7920  
14:24 7930  
14:27 7940  
14:30 7950  
14:34 7960  
14:38 7970  
15:02 7980  
15:06 7990  
15:10 8000  
15:14 8010  
15:17 8020  
15:22 8030  
15:26 8040  
15:29 8050  
15:33 8060  
15:36 8070  
16:13 8080  
16:31 8090  
16:35 8100  
16:39 8110  
16:43 8120  
16:47 8130



7925.82ft: PVT:Volume alarm  
reactivated: un-muted

7953.15ft: MUD VIS 56.00  
7953.15ft: MUD WEIGHT 9.30

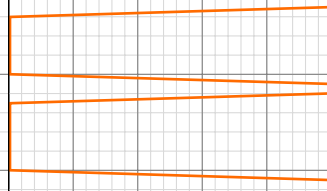
7979.33ft: PVT Horn Disabled  
7979.33ft: SURVEY @ 7919 INC  
16.9 AZ 83.9  
7979.33ft: ZWOB from SideKick  
sk-11-11-0402  
7979.33ft: ZDiffPressure from  
SideKick sk-11-11-0402  
7979.33ft: PVT Horn Enabled  
7984.02ft: Connection at 7979.2

7993.57ft: PUMP SWEEP

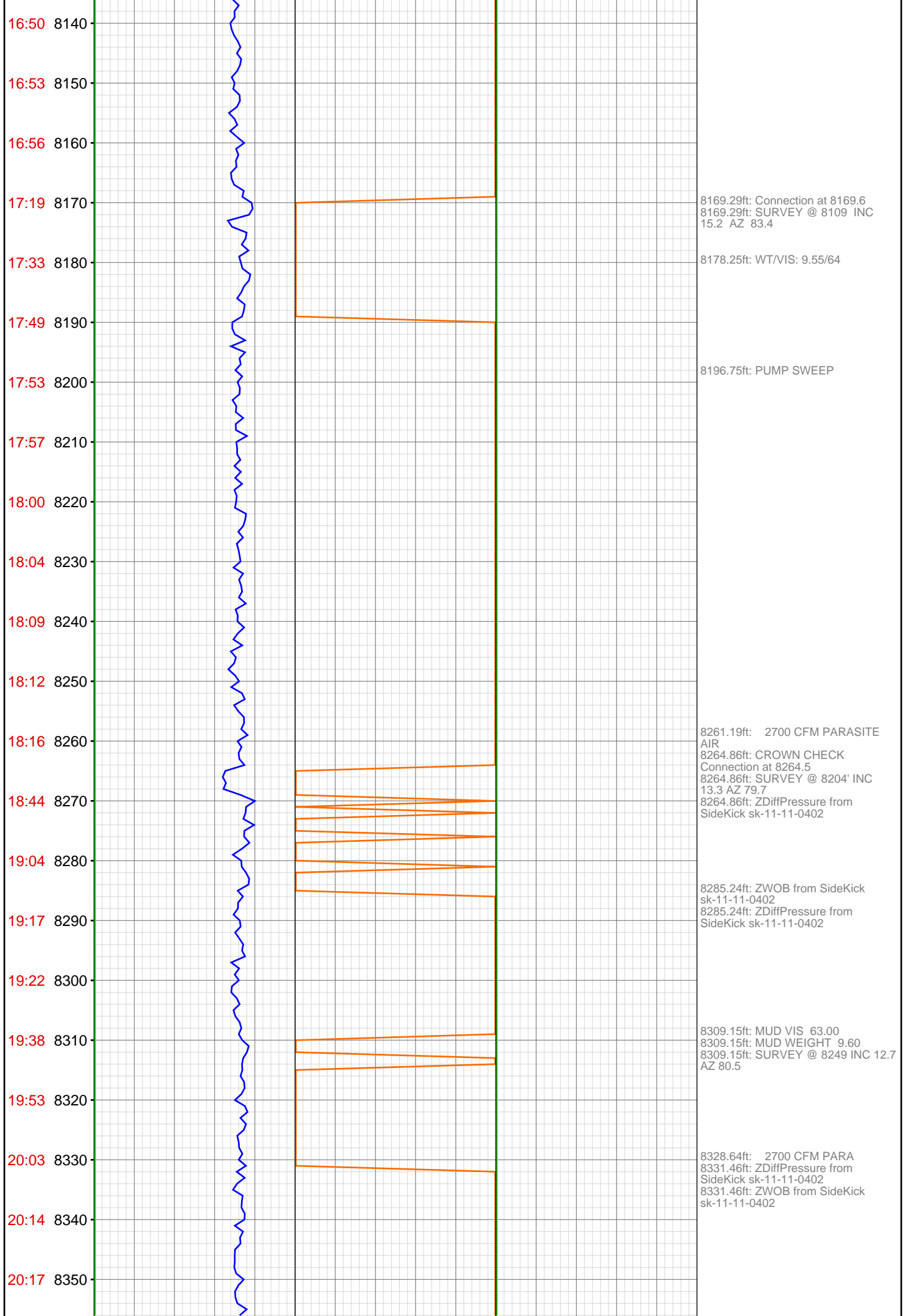
8064.99ft: MUD VIS 55.00  
8065.19ft: MUD WEIGHT 9.45  
8073.75ft: PVT Horn Disabled  
8073.75ft: Connection at 8074.3  
8073.75ft: ZDiffPressure from  
SideKick sk-11-11-0402  
8073.75ft: PVT Horn Enabled  
8073.75ft: 2700 CFM PARA  
8077.03ft: ZWOB from SideKick  
sk-11-11-0402  
8077.03ft: ZDiffPressure from  
SideKick sk-11-11-0402

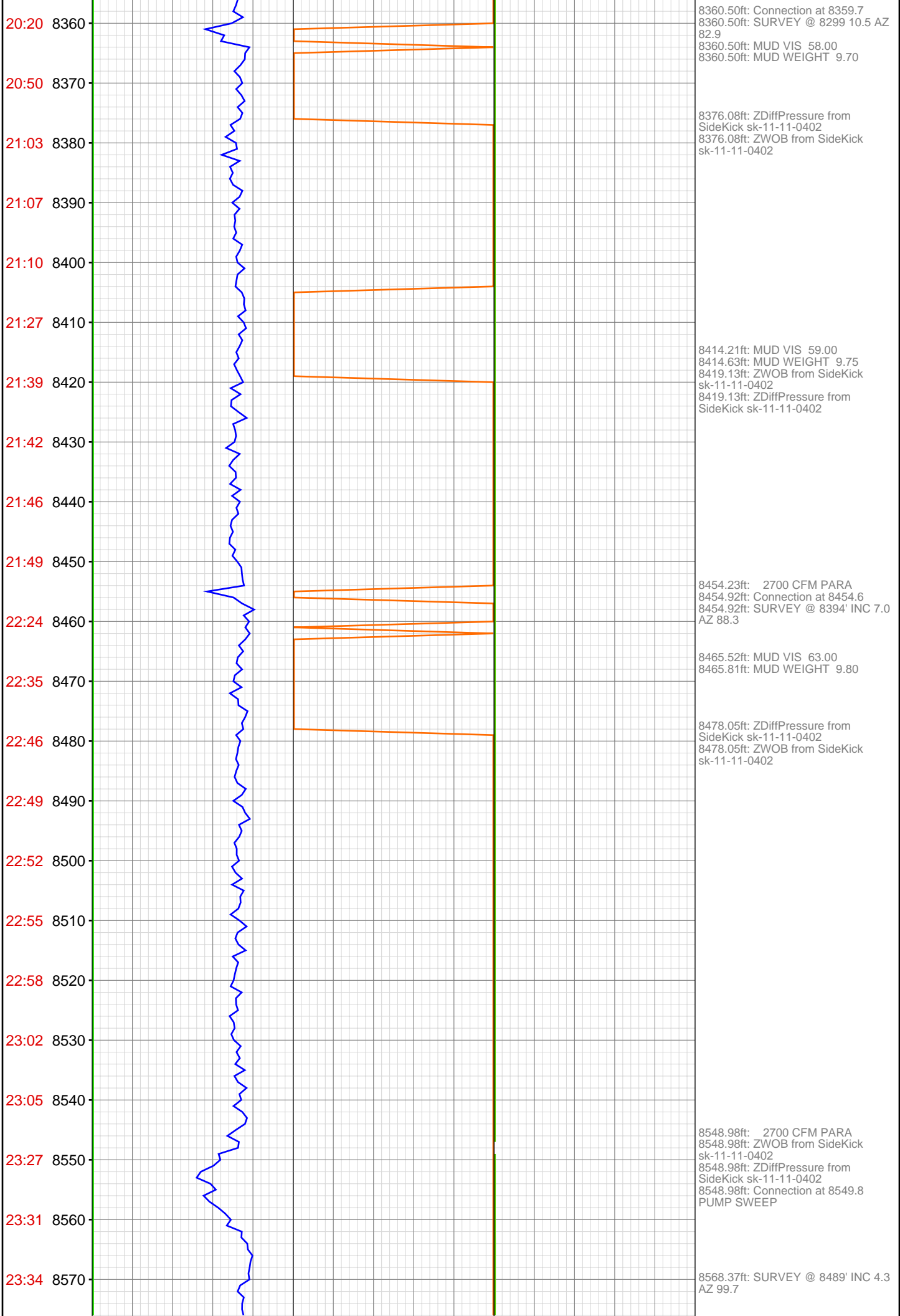
8091.57ft: 2700 CFM PARA  
8095.08ft: MUD VIS 57.00  
8096.00ft: MUD WEIGHT 9.55

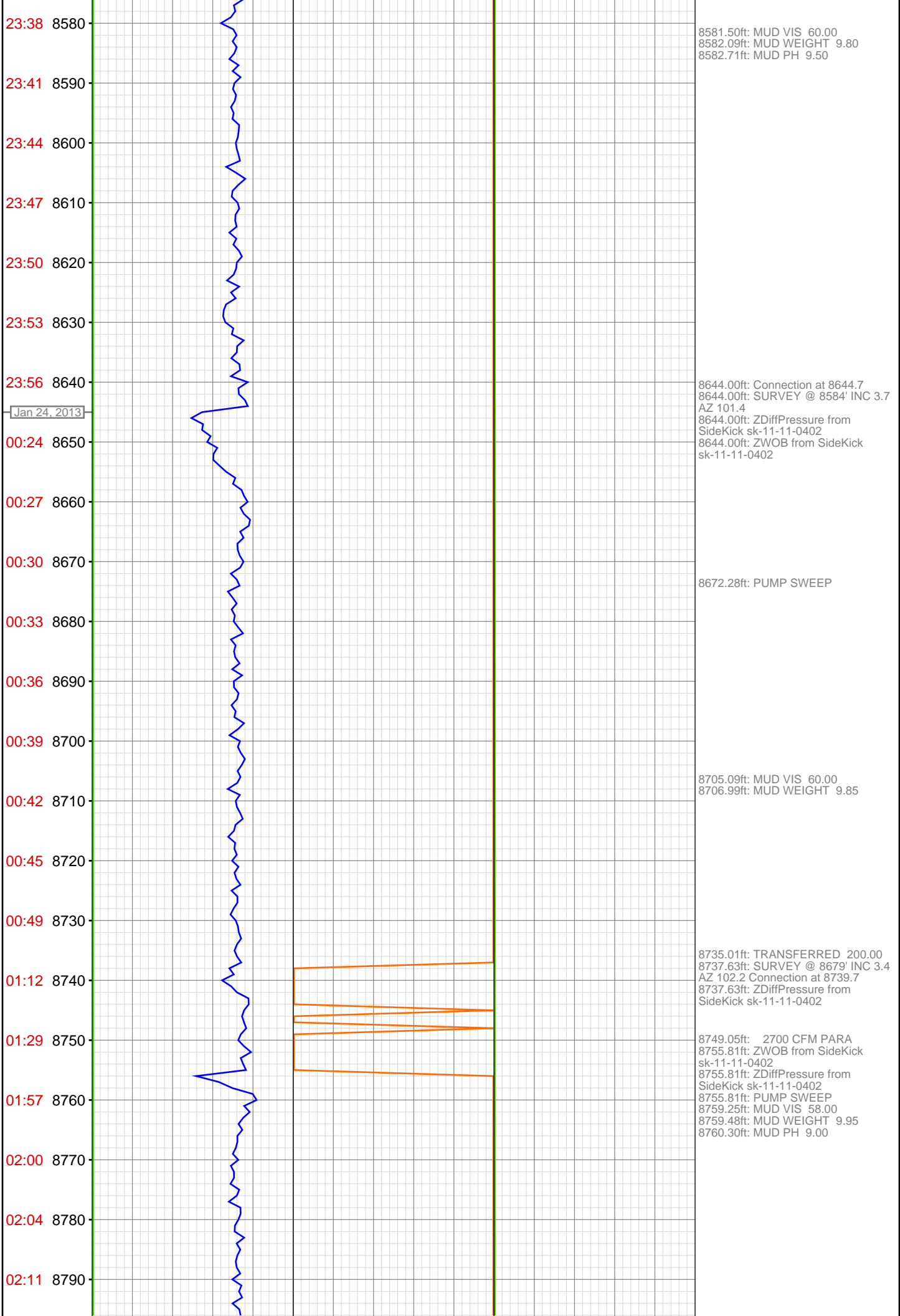
8103.67ft: PUMP SWEEP

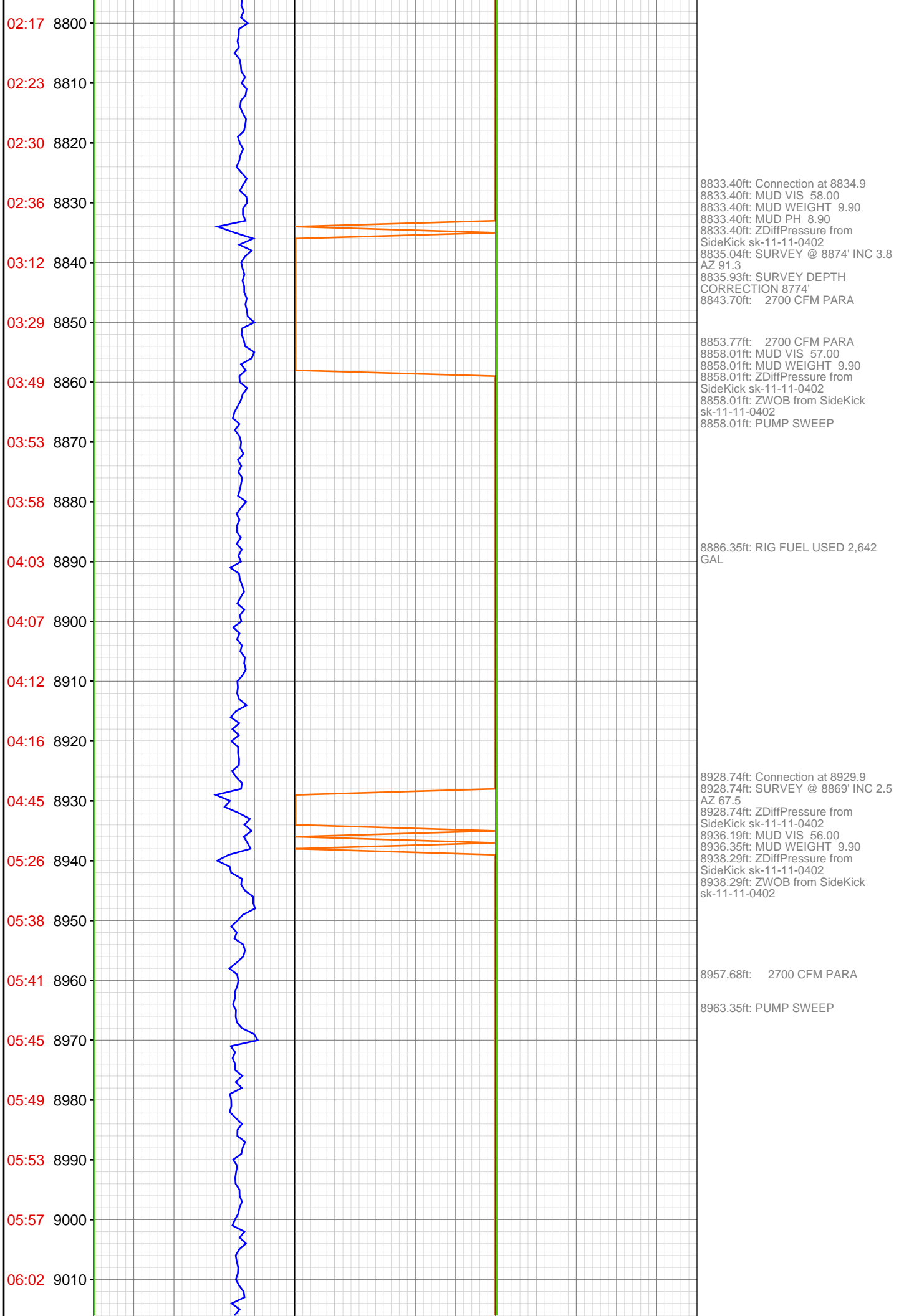


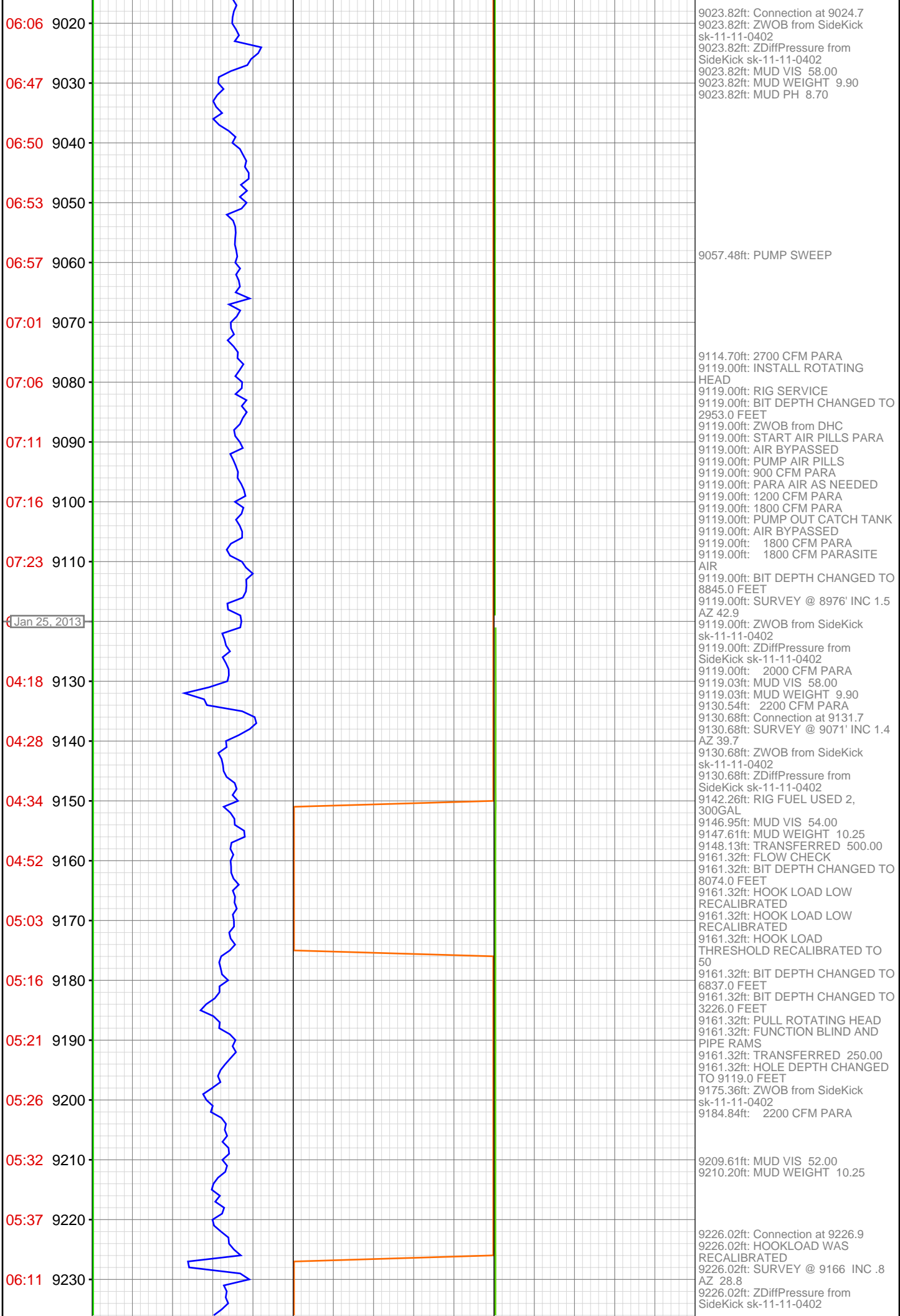


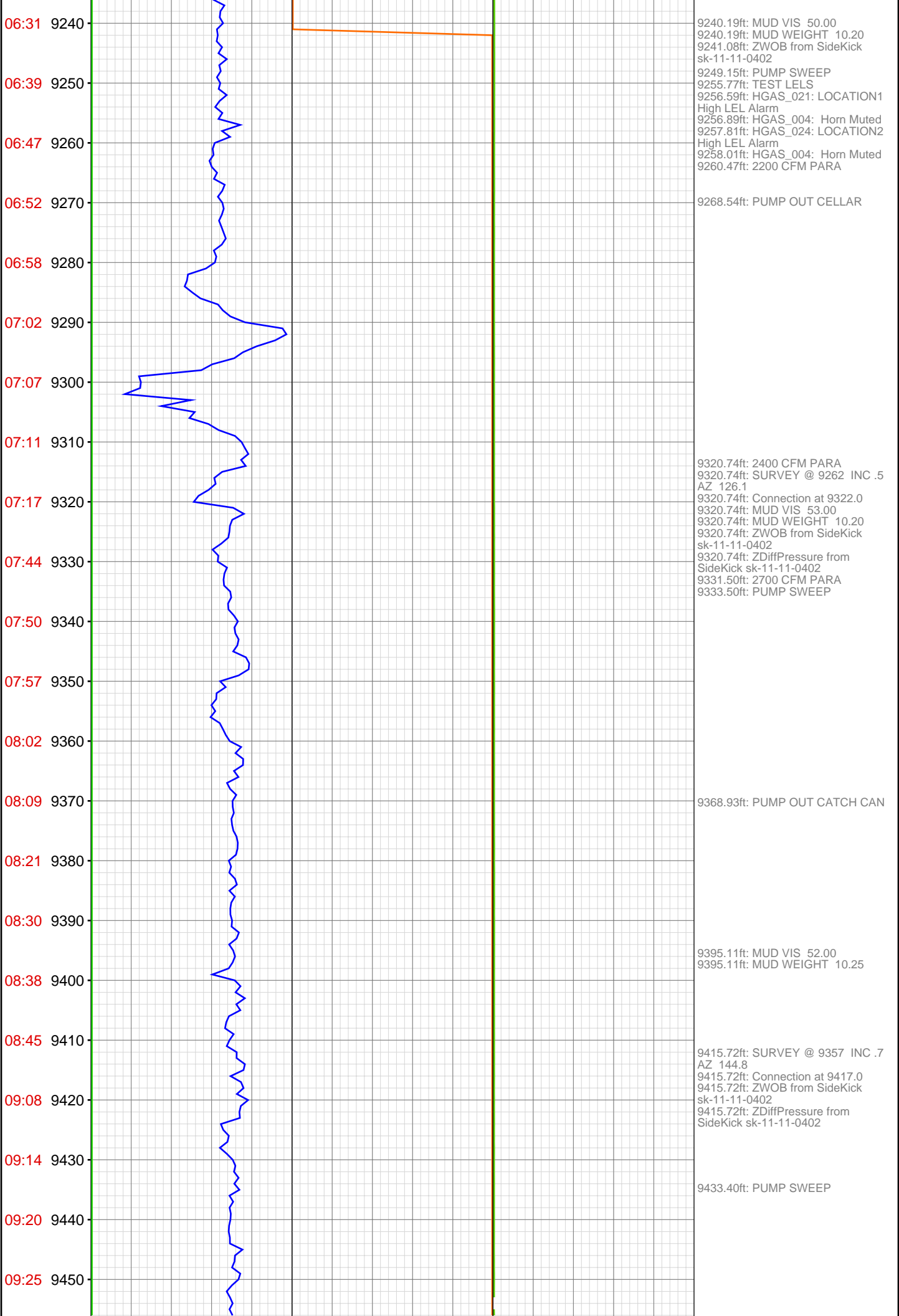


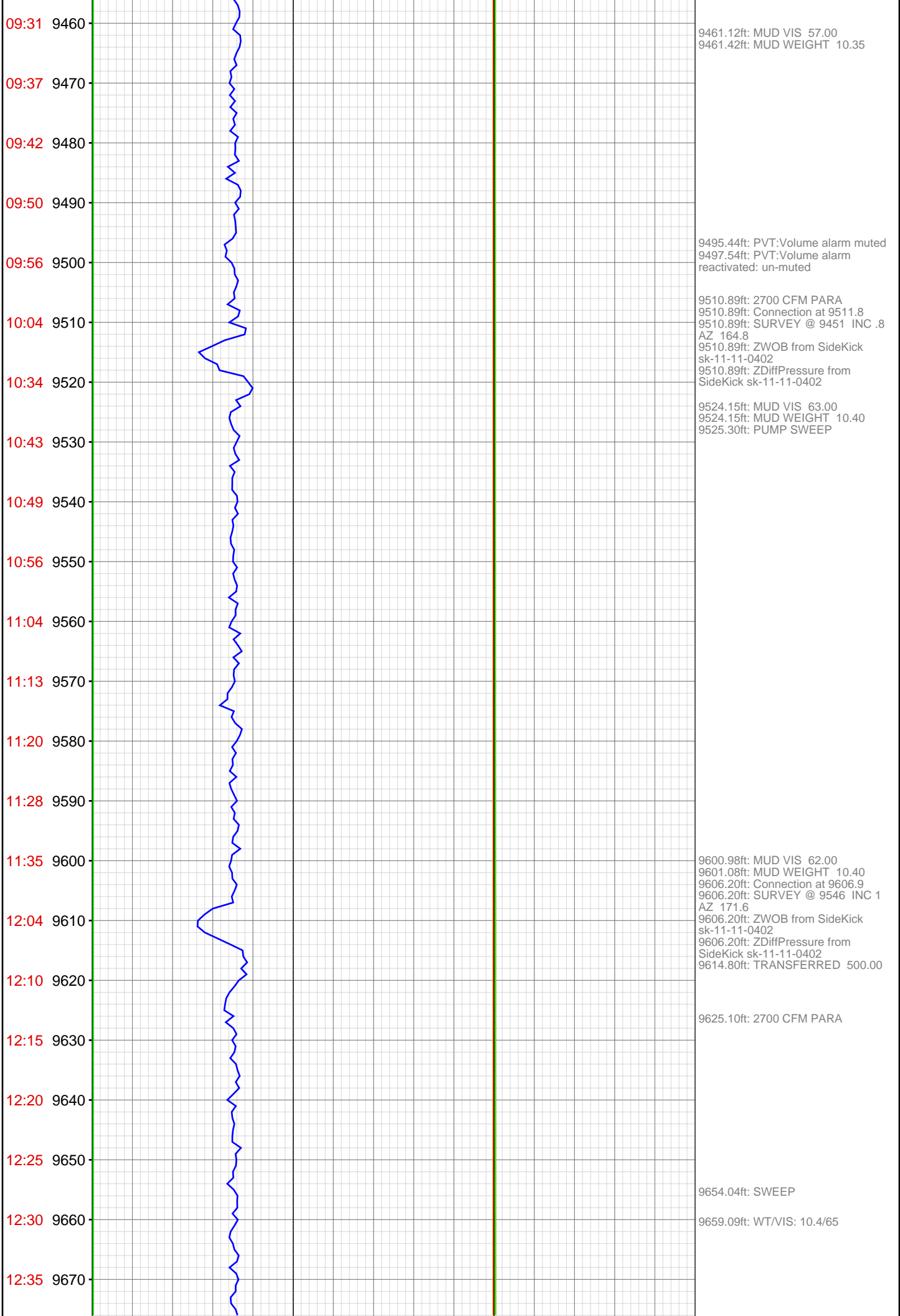


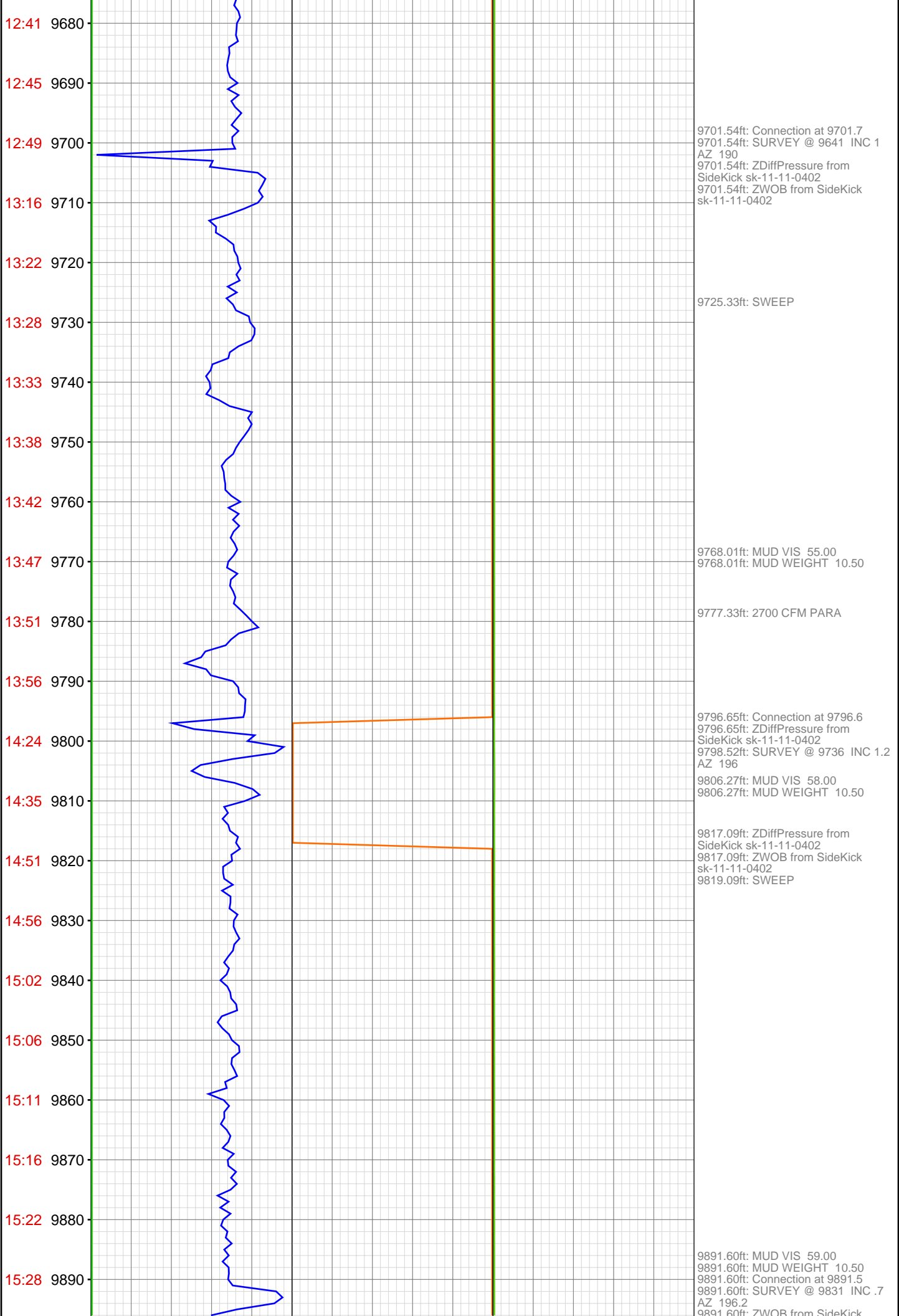




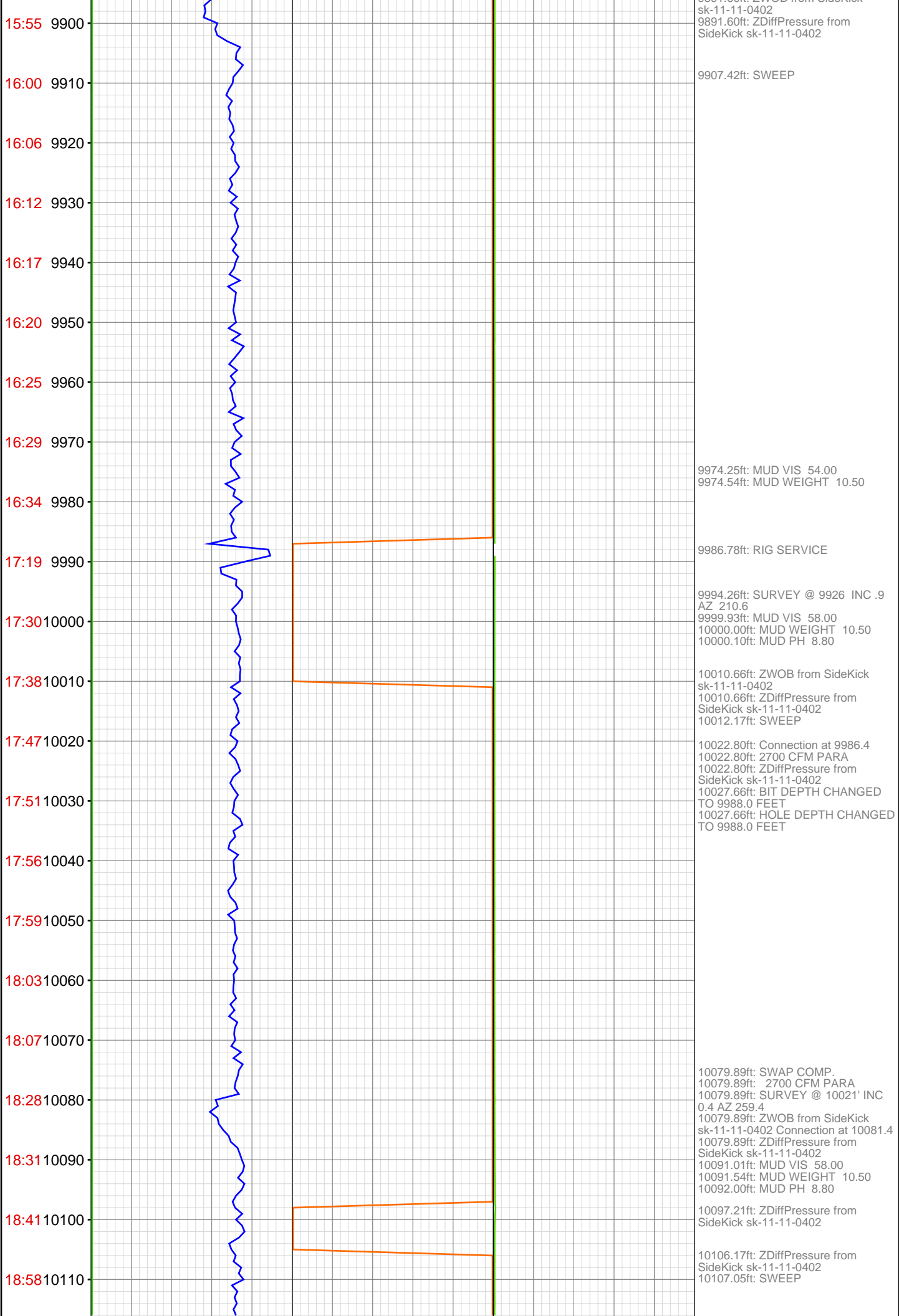


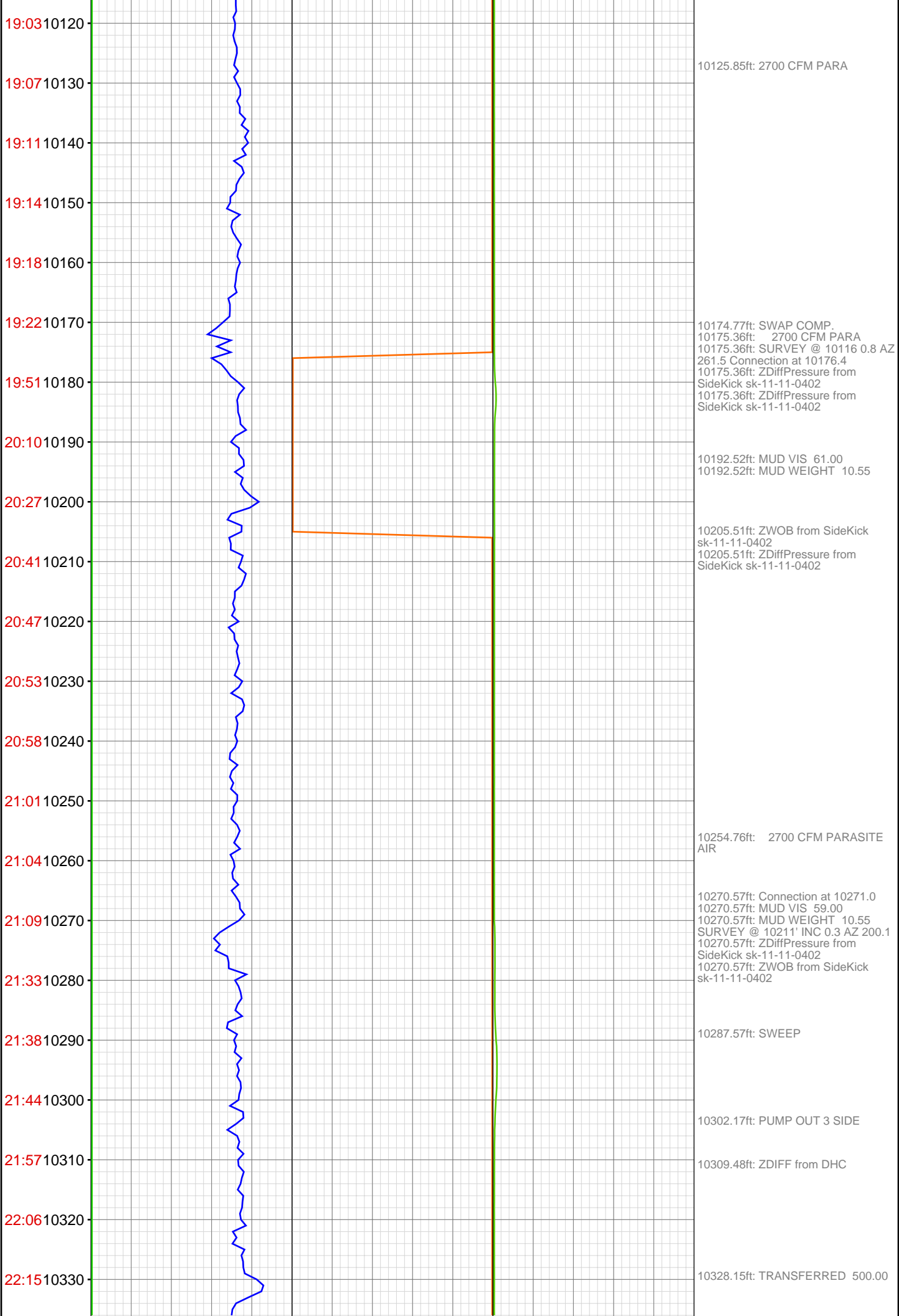


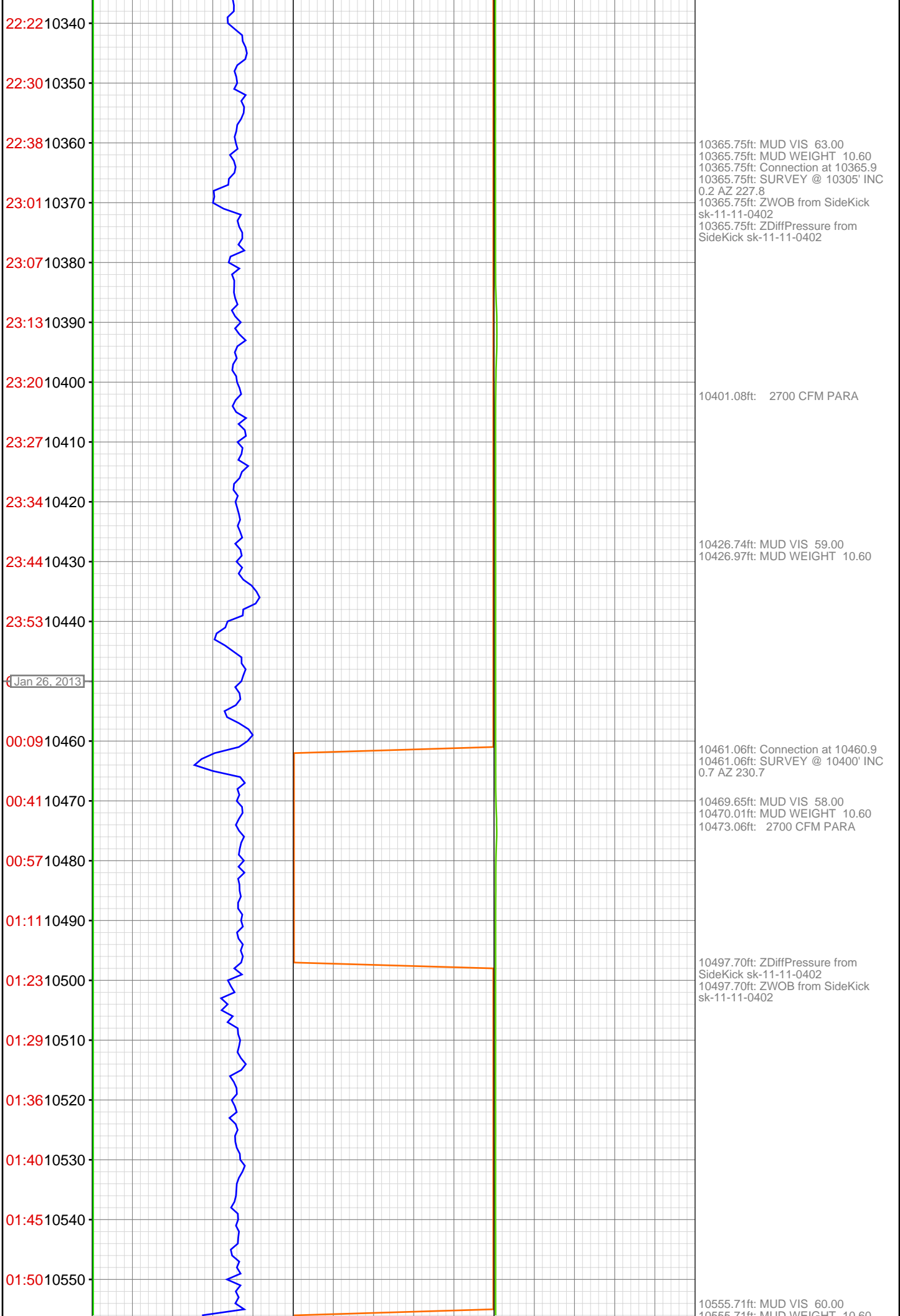




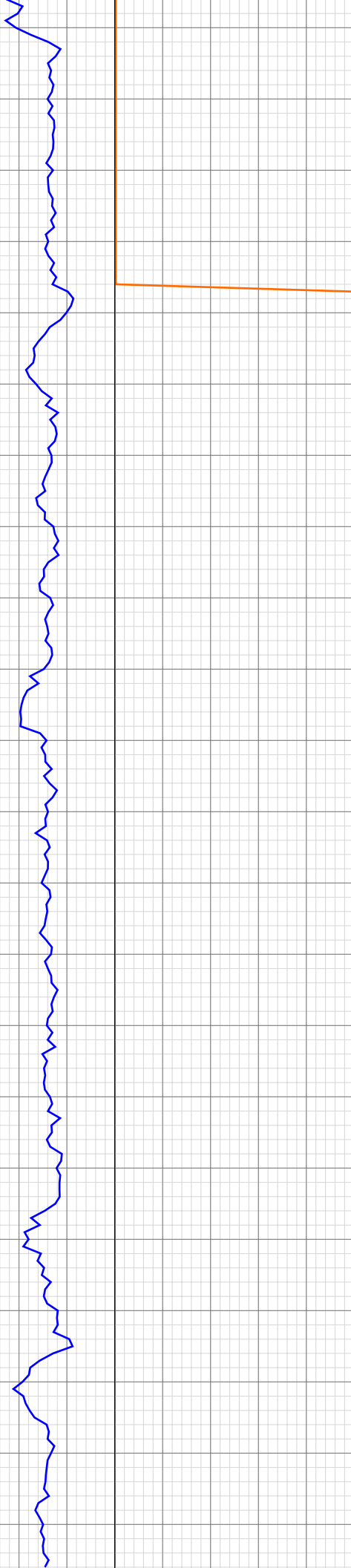








02:14 10560  
02:27 10570  
02:41 10580  
02:52 10590  
03:04 10600  
03:10 10610  
03:17 10620  
03:23 10630  
03:29 10640  
03:35 10650  
03:56 10660  
04:00 10670  
04:06 10680  
04:12 10690  
04:17 10700  
04:21 10710  
04:26 10720  
04:31 10730  
04:37 10740  
05:11 10750  
05:16 10760  
05:21 10770



10555.71ft: MUD WEIGHT 10.60  
10555.71ft: Connection at 10555.9  
10555.71ft: SURVEY @ 10495' INC  
0.6 AZ 237.3

10590.72ft: MUD VIS 57.00  
10590.72ft: MUD WEIGHT 10.60

10596.82ft: ZDiffPressure from  
SideKick sk-11-11-0402  
10596.82ft: ZWOB from SideKick  
sk-11-11-0402

10605.32ft: 2700 CFM PARA

10613.16ft: SWEEP

10645.77ft: MUD VIS 61.00  
10646.13ft: MUD WEIGHT 10.60  
10650.39ft: Connection at 10650.4  
10650.39ft: SURVEY @10590' INC  
0.5 AZ 109.5  
10650.39ft: ZWOB from SideKick  
sk-11-11-0402  
10650.39ft: ZDiffPressure from  
SideKick sk-11-11-0402

10745.34ft: MUD VIS 60.00  
10745.34ft: MUD WEIGHT 10.60  
10745.34ft: Connection at 10745.5  
10745.34ft: ZWOB from SideKick  
sk-11-11-0402  
10745.34ft: ZDiffPressure from  
SideKick sk-11-11-0402  
10748.39ft: SURVEY @ 10685' INC  
0.6 AZ 296.9

