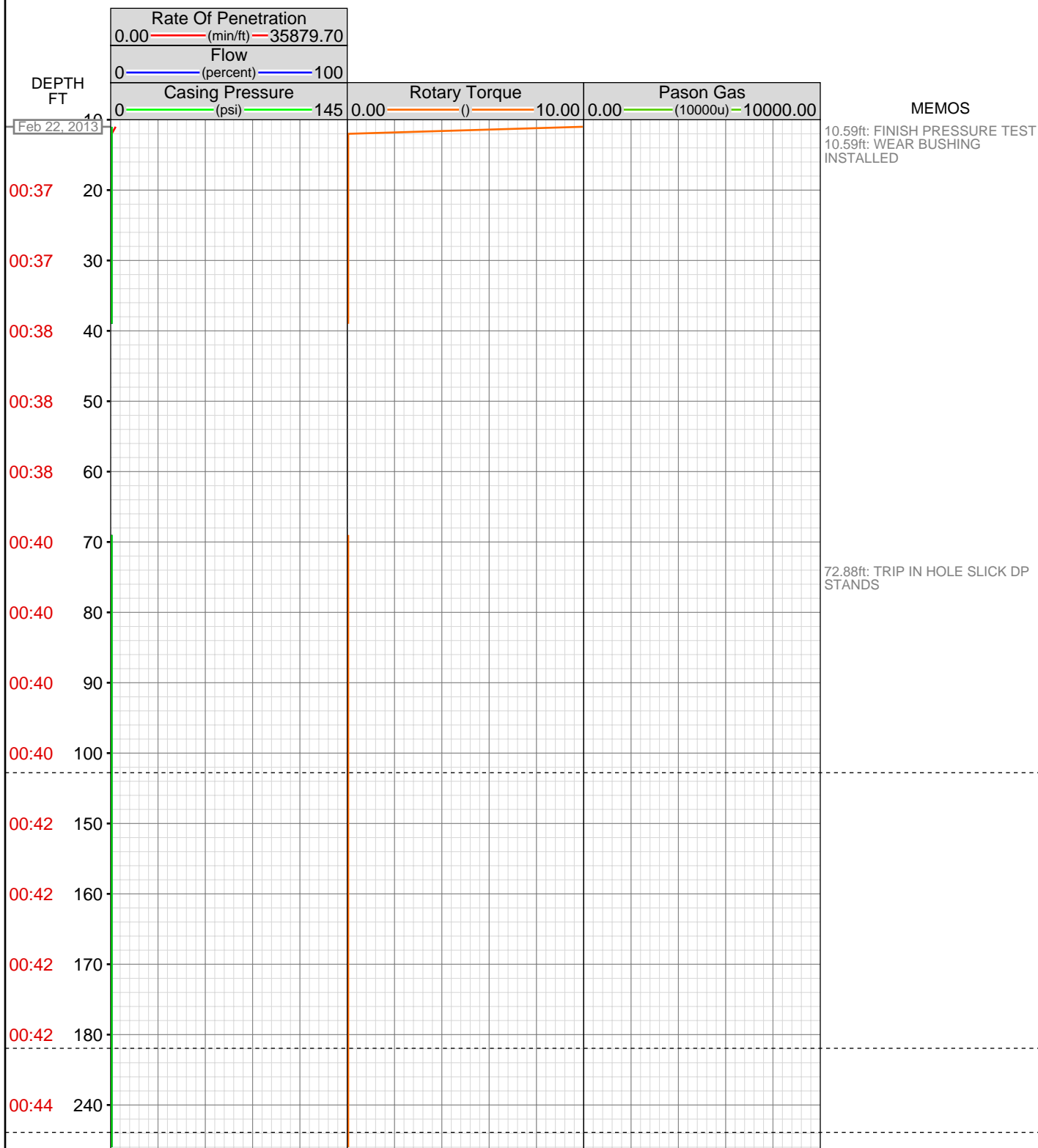


# DataHub EDR Log

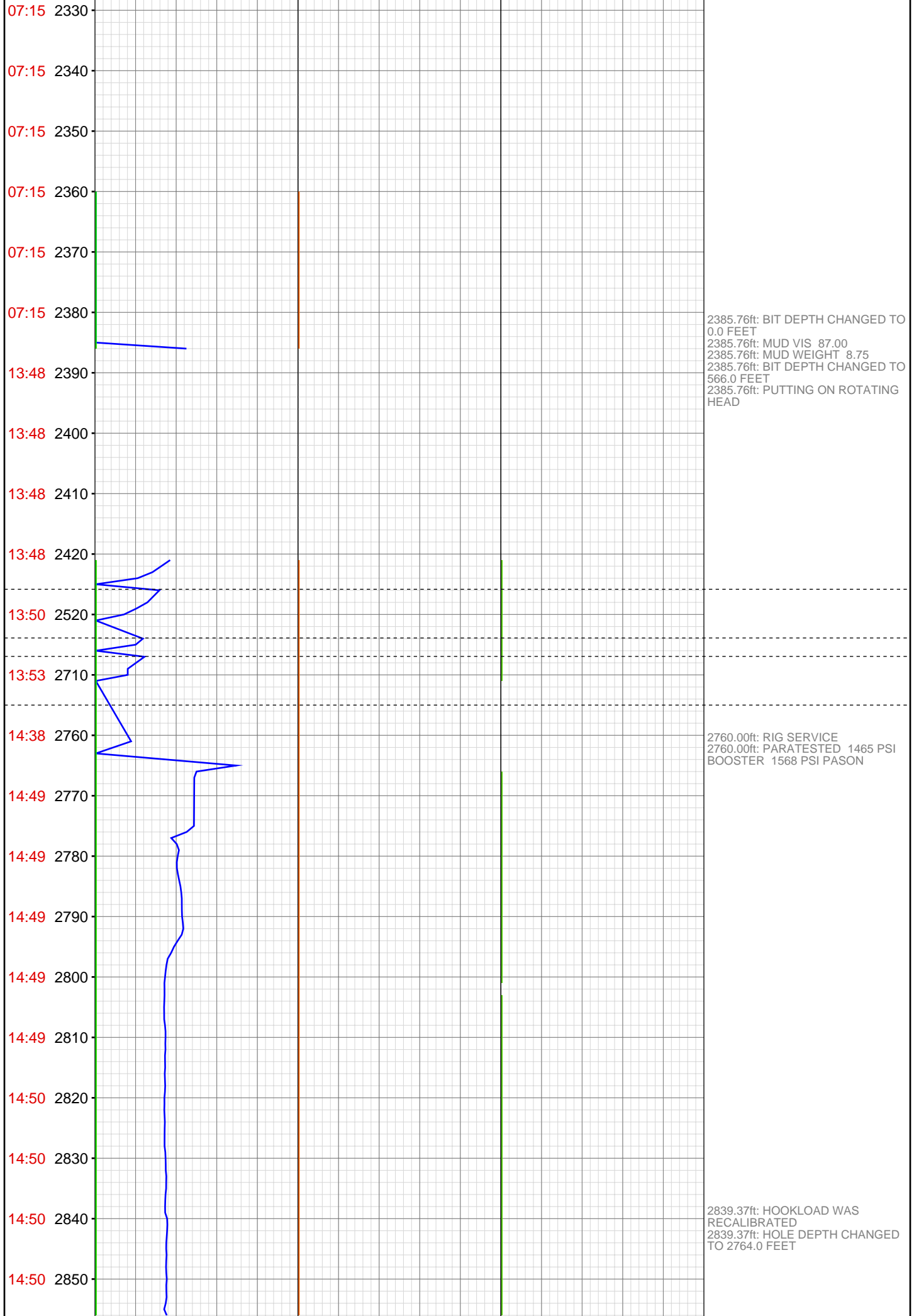
Mon Mar 04, 2013 09:19:52  
Well Dossier 1361484914  
Marilyn Tucker

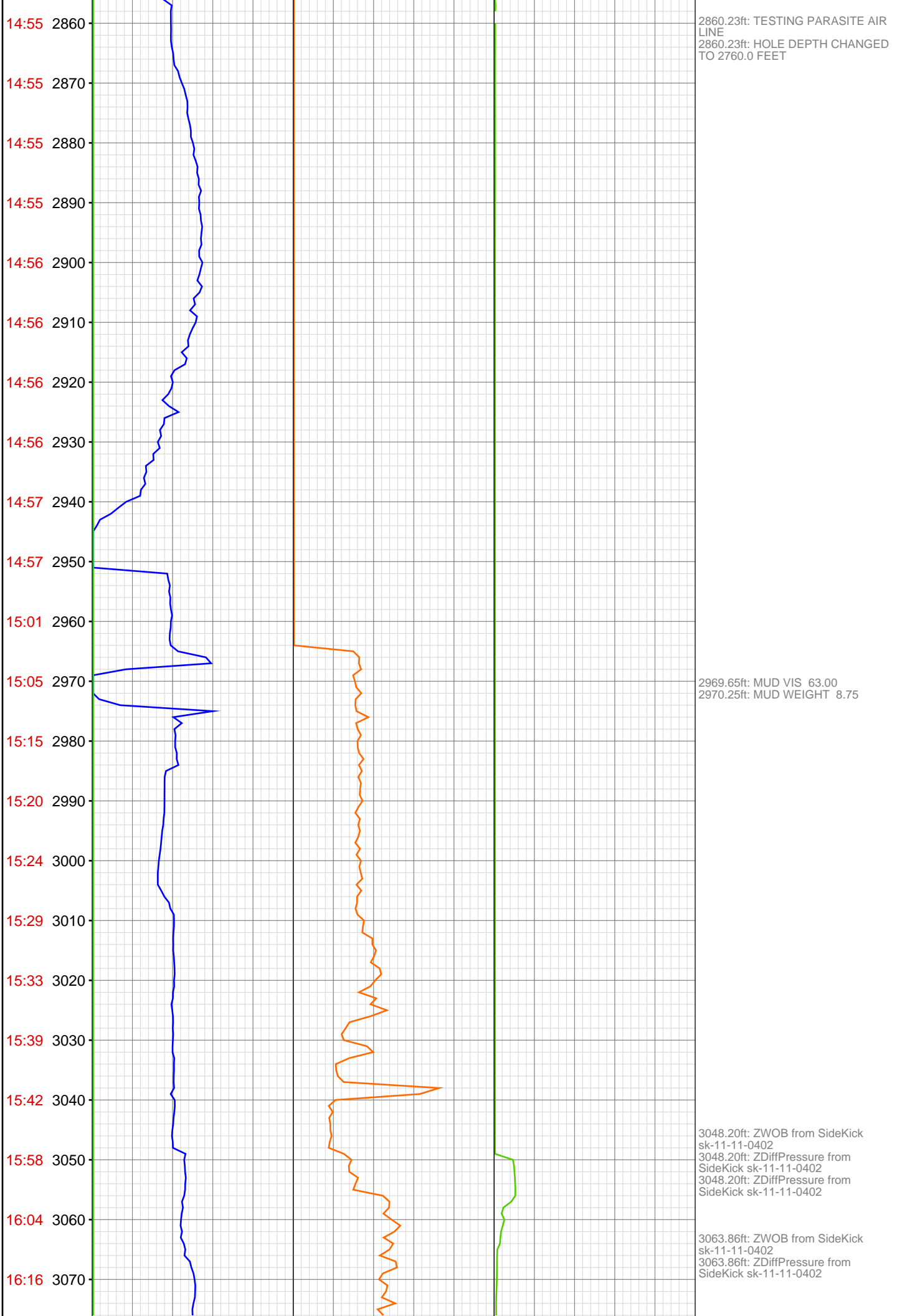
**OPERATOR:** EnCana Oil & Gas (USA), Inc.  
**WELL:** SG 8512D - 24 L24 496  
**FIELD:**  
**LOCATION:** SEC 24 TWP 4S RNG 96W  
**COUNTRY:** USA  
**RIG:** Pat-UTI 330

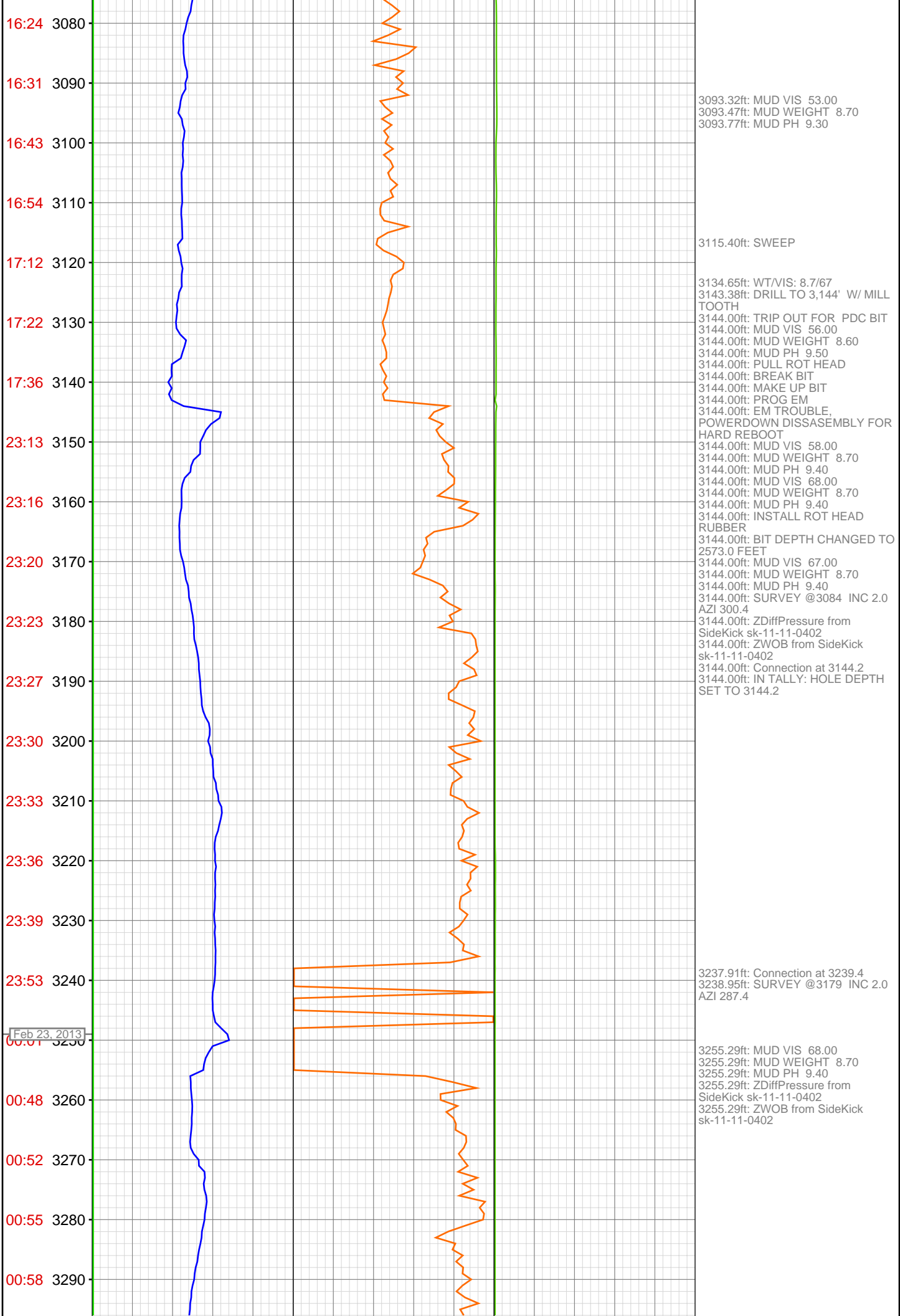
**CONTRACTOR:** Patterson-UTI Drilling Company  
**UNIQUE WELL ID:** 0504521171  
**SPUD DATE:** Feb 22, 2013 16:00  
**RELEASE DATE:** Mar 04, 2013 06:00

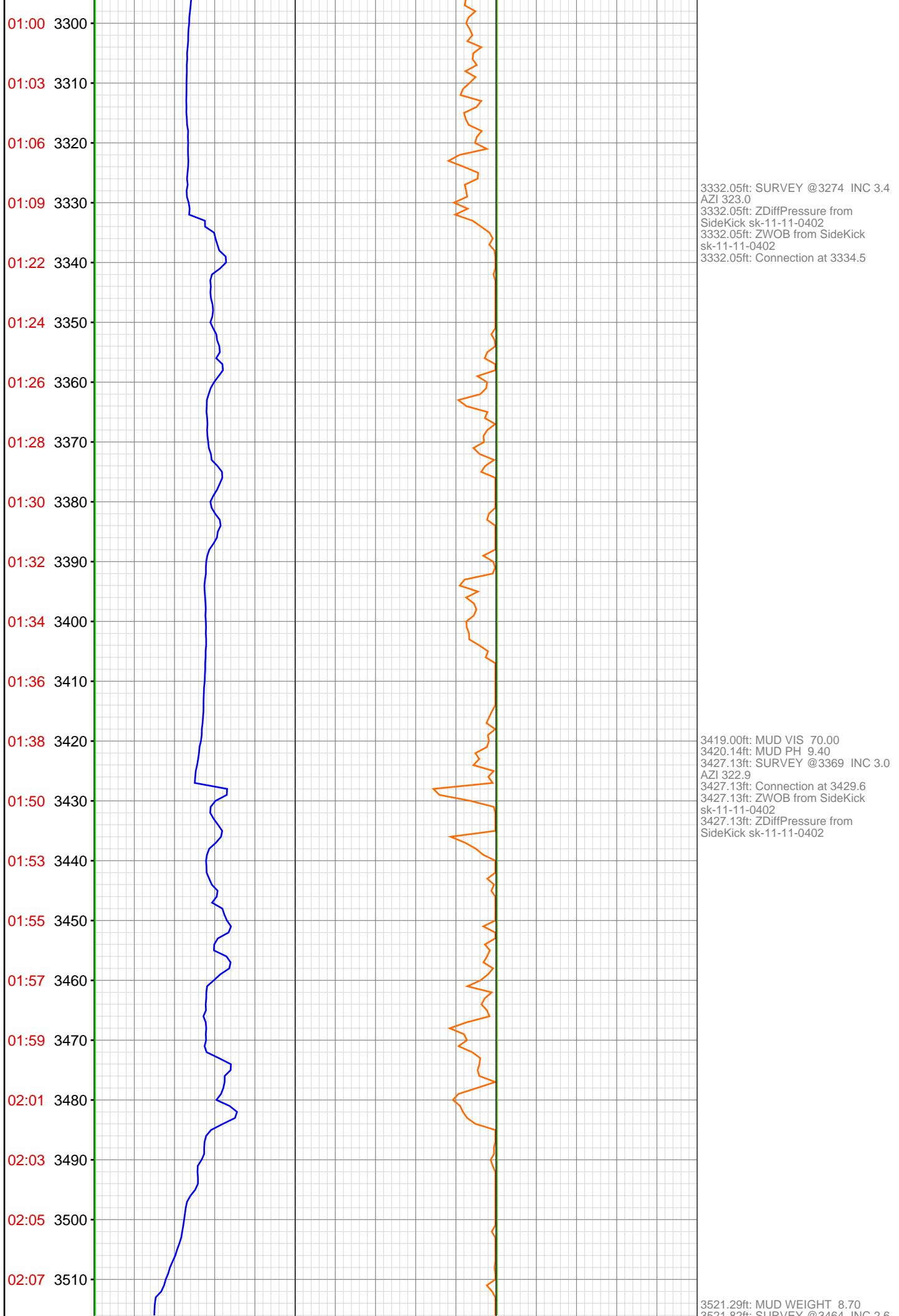


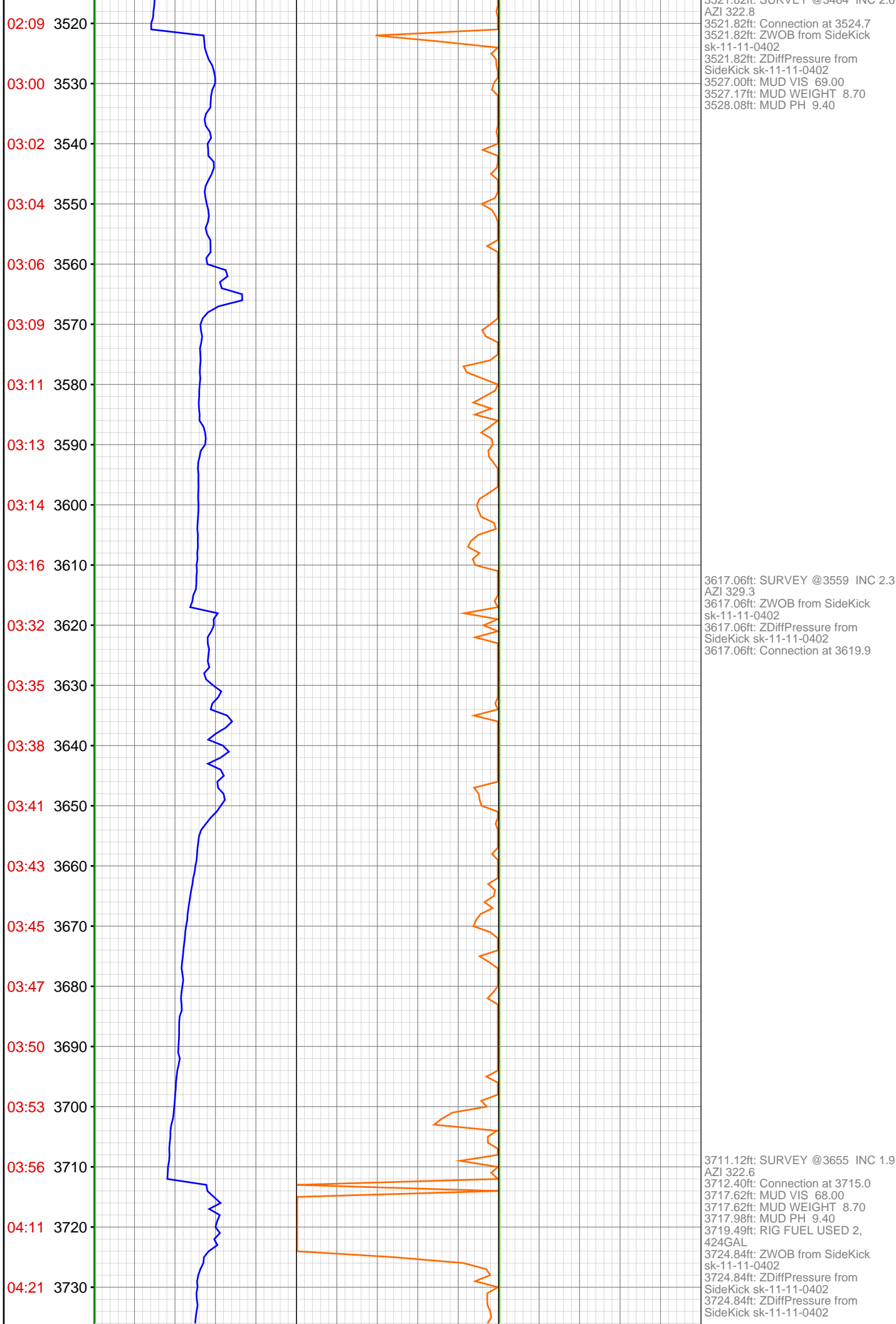
Time	Depth (ft)	Remarks
00:46	330	
00:47	420	
00:51	520	
00:54	710	
00:57	900	
01:00	1090	
01:00	1180	
01:03	1280	1184.45ft: MUD VIS 51.00 1184.45ft: MUD WEIGHT 8.80
01:06	1470	
01:09	1660	
01:11	1850	
01:14	2040	
01:17	2230	2232.40ft: SLIP AND CUT DRUG LINE 2232.40ft: MUD VIS 88.00 2232.40ft: MUD WEIGHT 8.90 2232.40ft: REPLACE HOSE ON CATWALK 2232.40ft: MUD VIS 90.00 2232.40ft: MUD WEIGHT 8.80
06:54	2240	
06:54	2250	
06:55	2260	
06:56	2270	
06:56	2280	
06:56	2290	
07:14	2300	
07:15	2310	
07:15	2320	

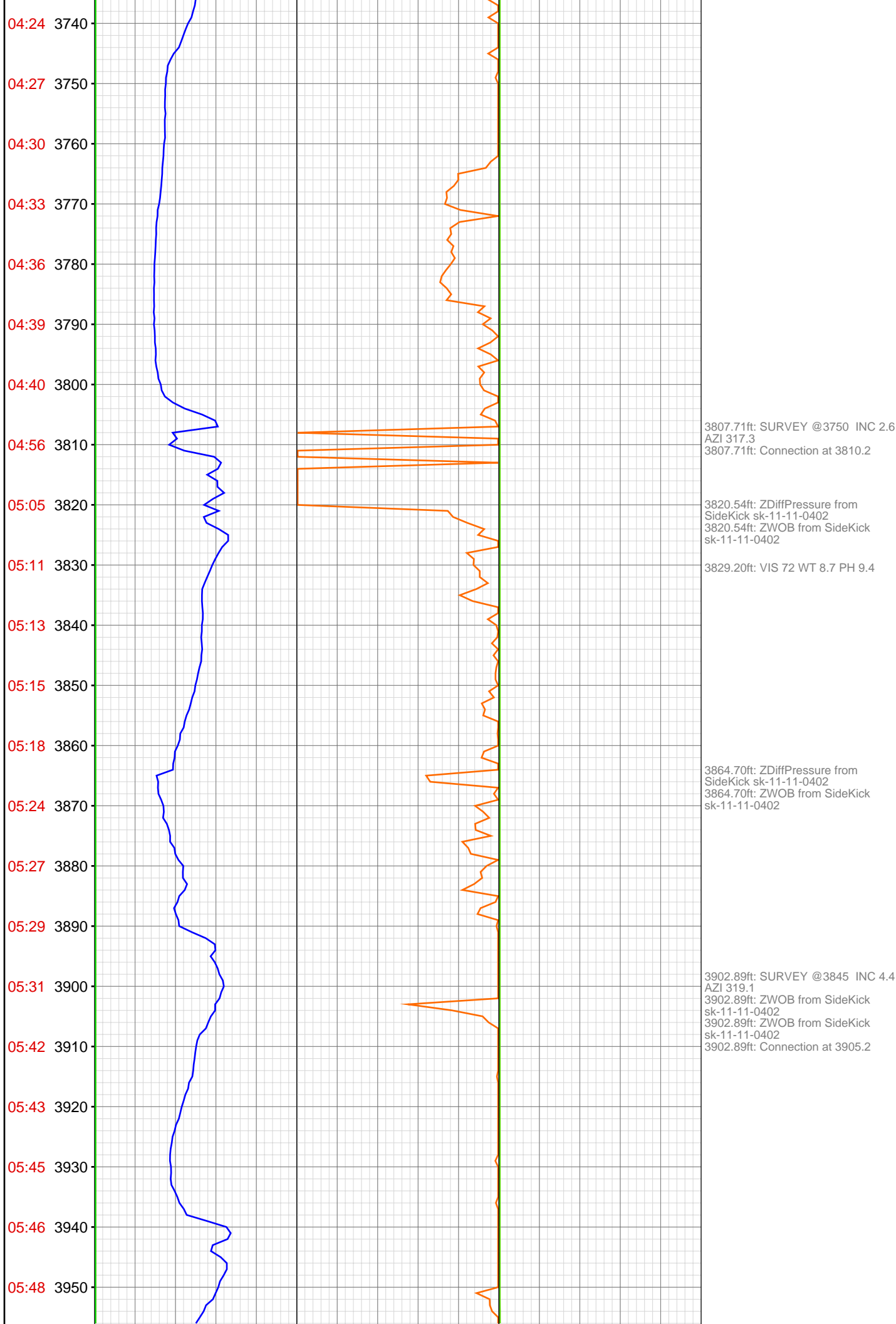




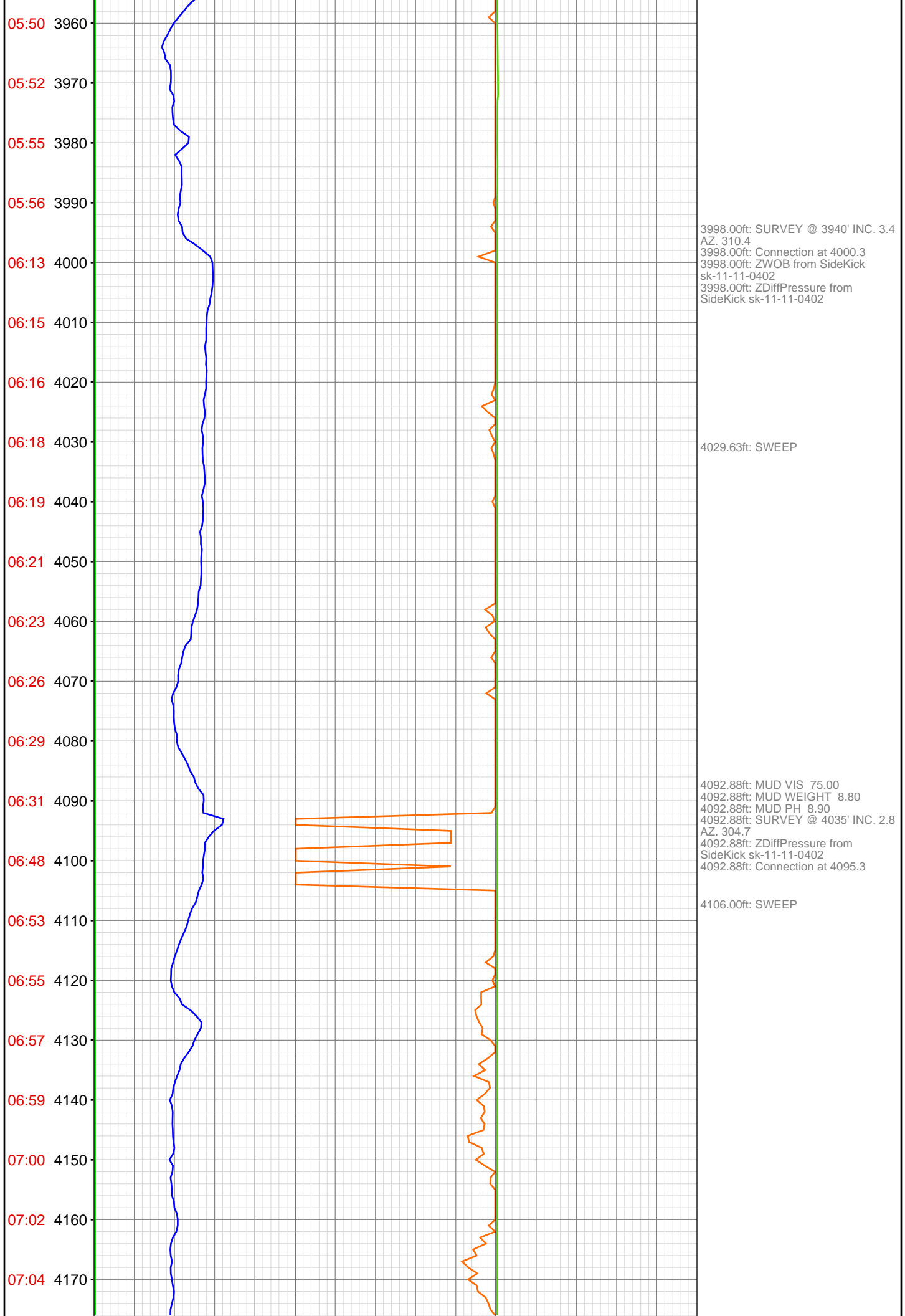


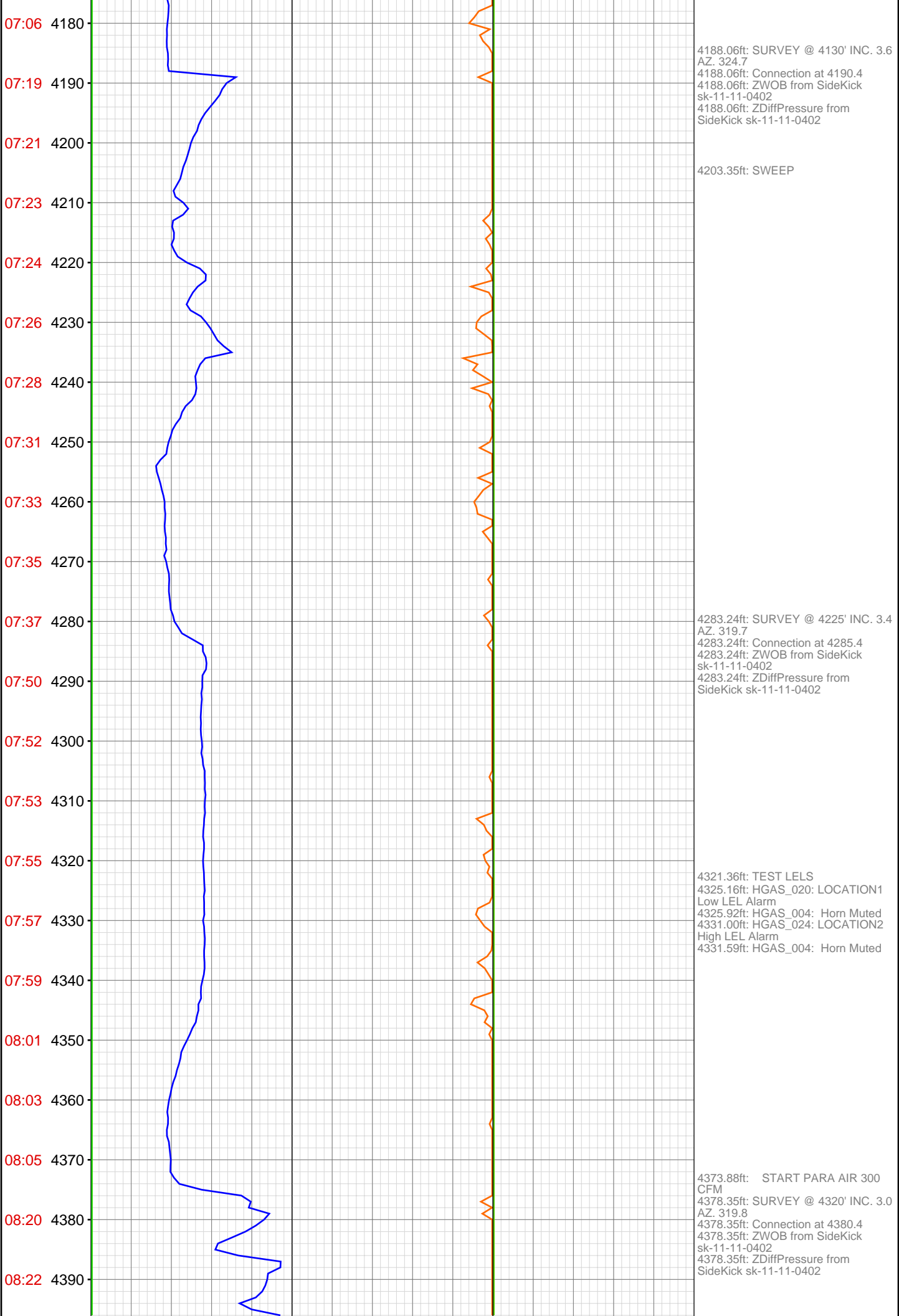


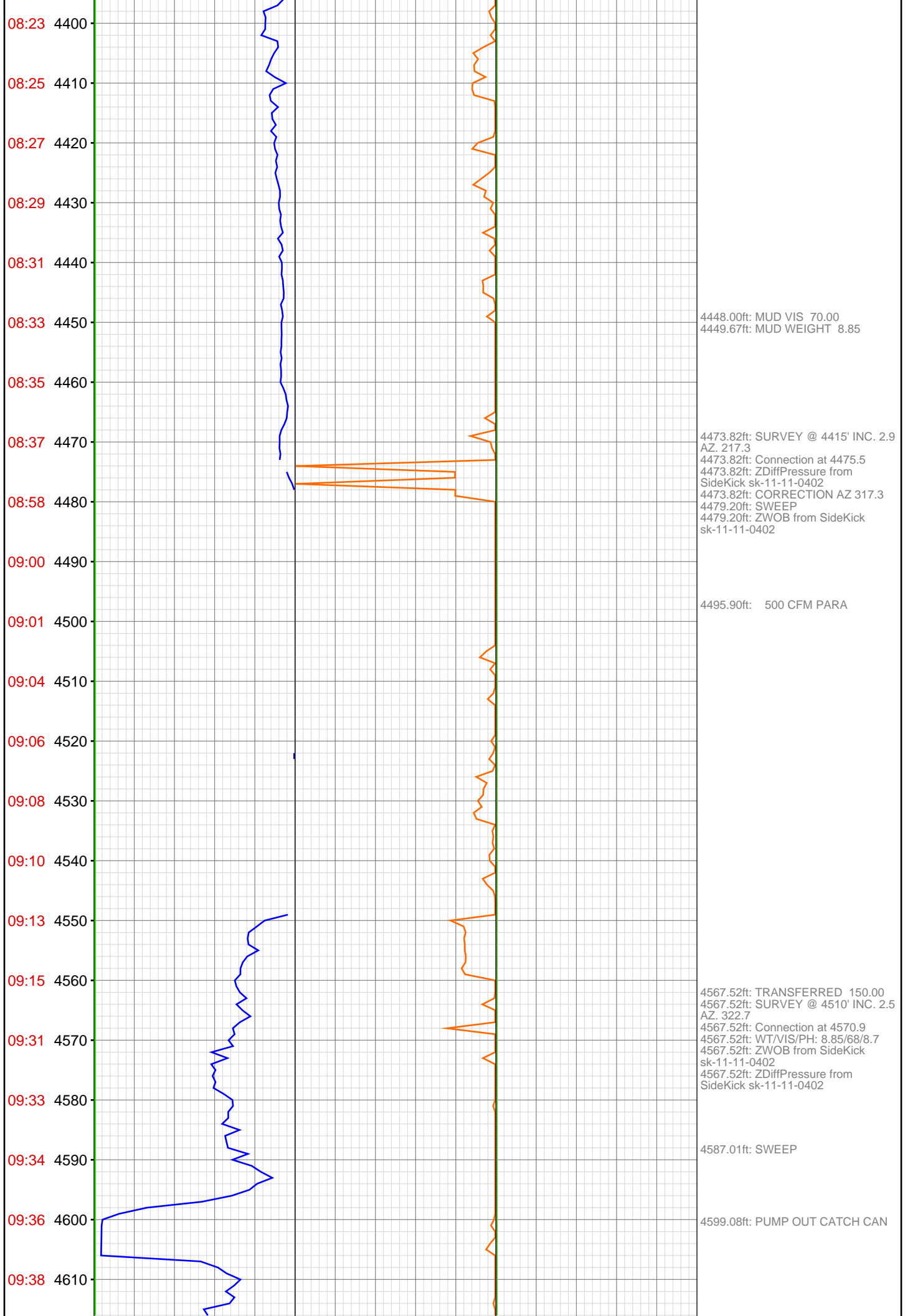


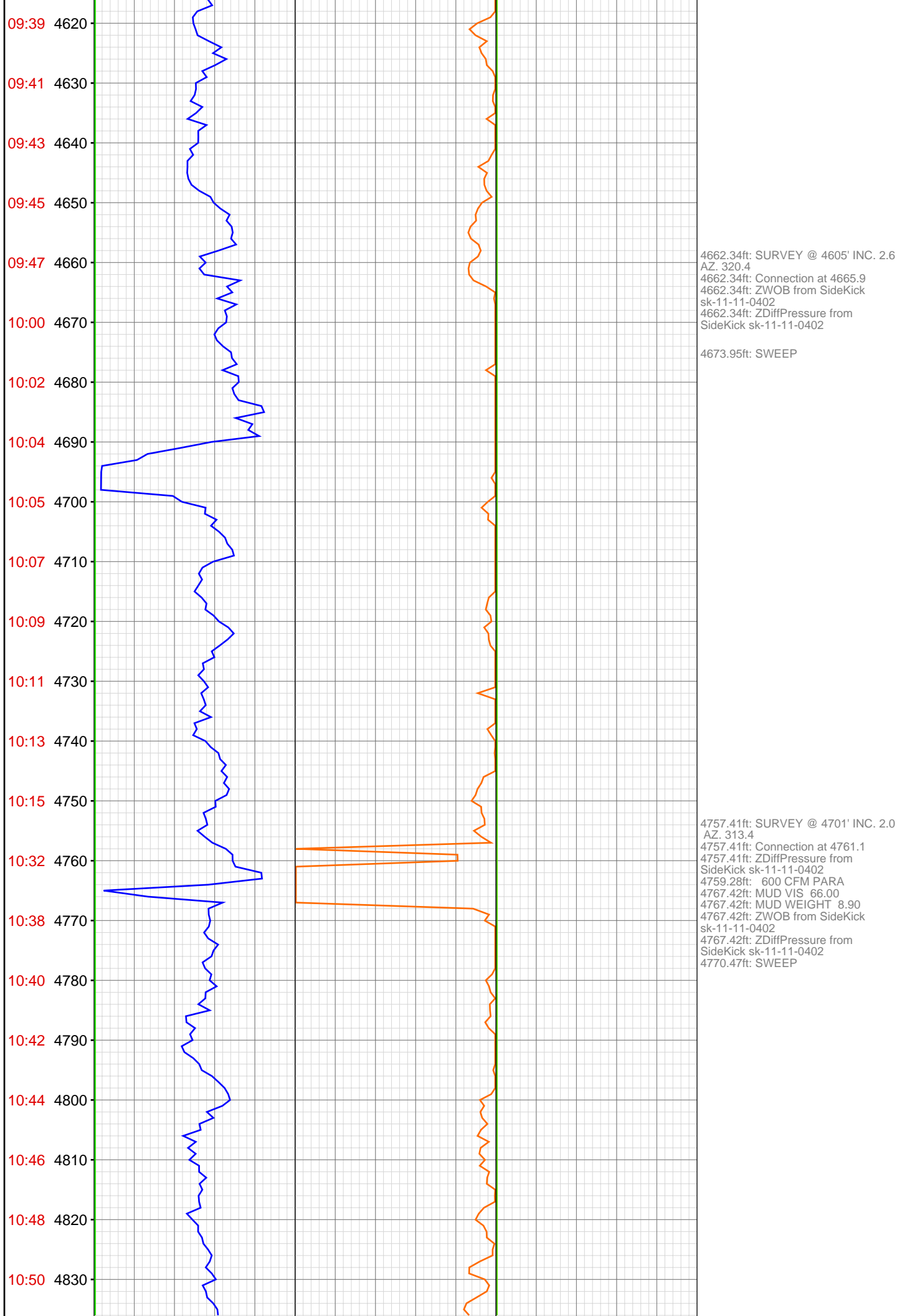


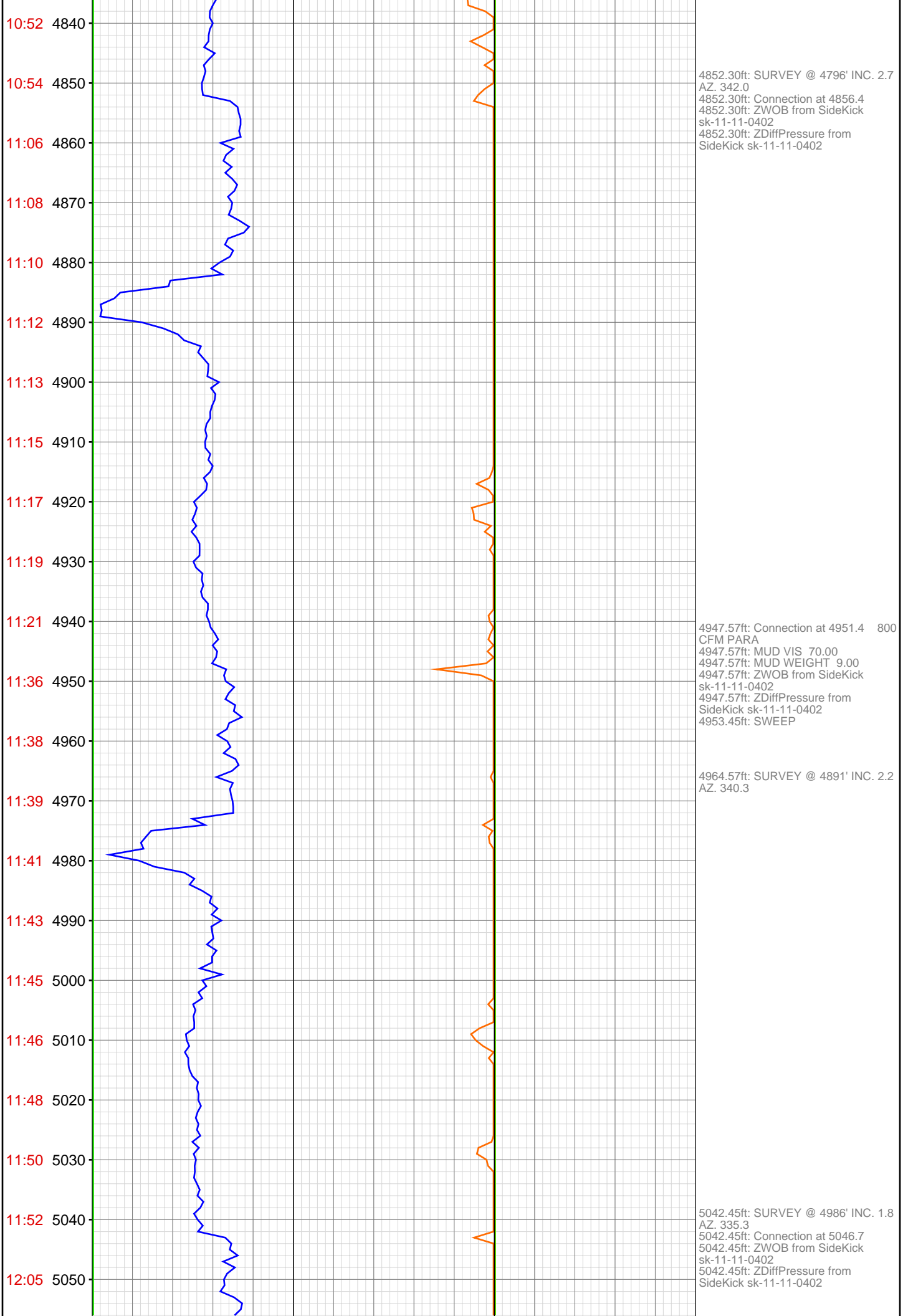


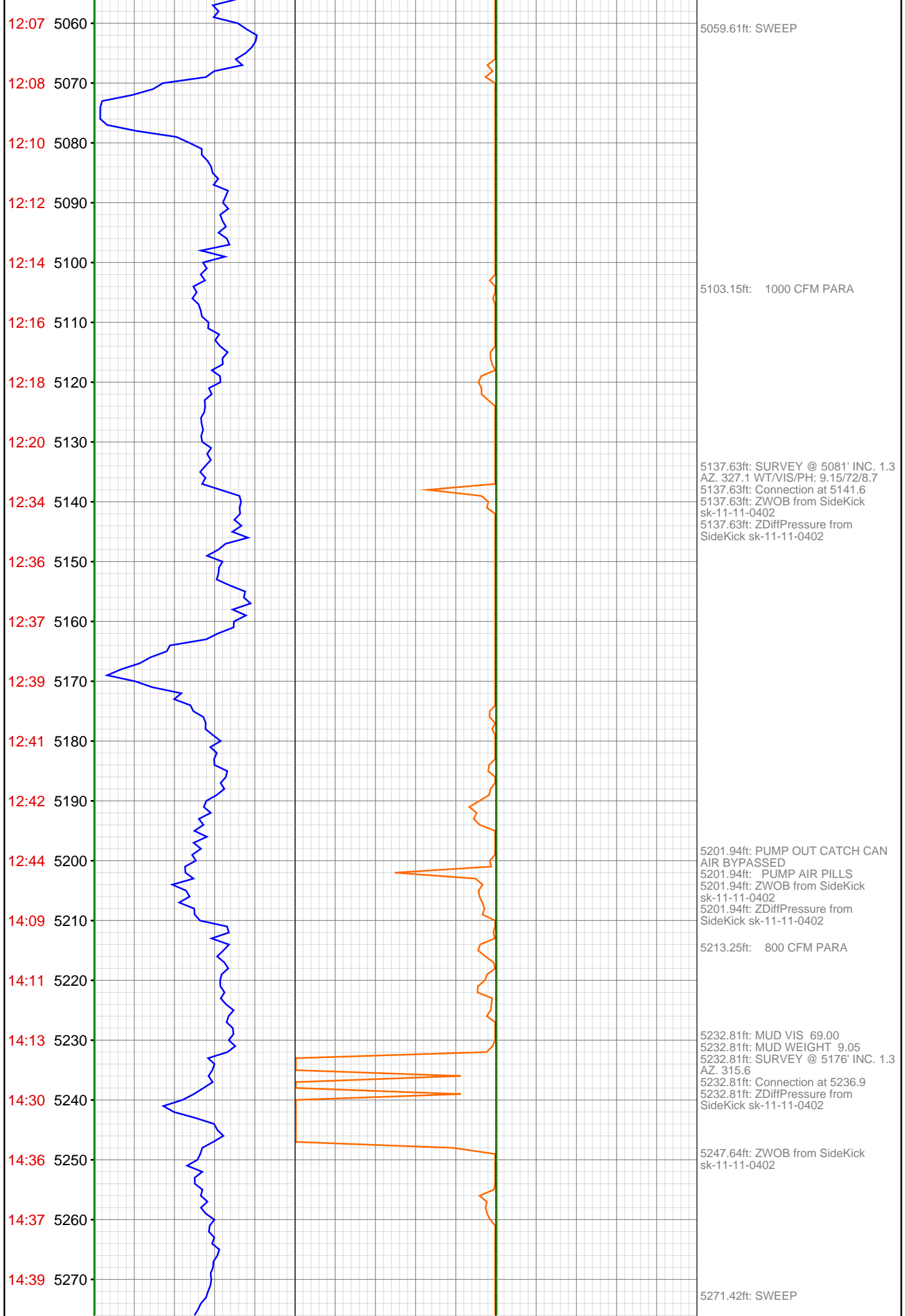












14:41 5280  
14:43 5290  
14:44 5300  
14:46 5310  
14:48 5320  
15:02 5330  
15:04 5340  
15:05 5350  
15:07 5360  
15:09 5370  
15:11 5380  
15:12 5390  
15:13 5400  
15:15 5410  
15:17 5420  
15:30 5430  
15:31 5440  
15:33 5450  
15:34 5460  
15:36 5470  
15:38 5480  
15:40 5490

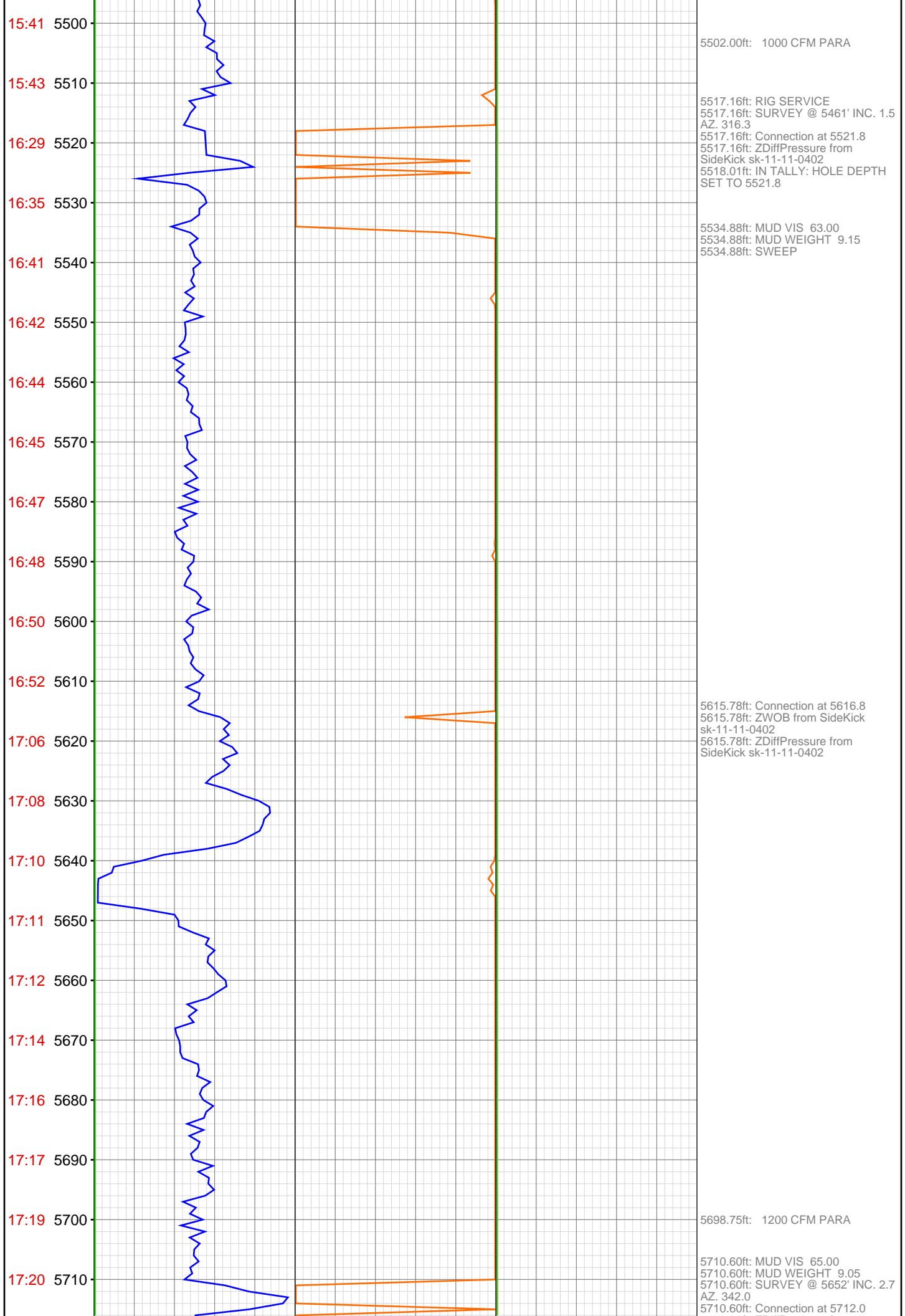


5327.40ft: SURVEY @ 5271' INC. 2.0  
AZ. 325.2  
5327.40ft: Connection at 5331.8  
5327.40ft: ZDiffPressure from  
SideKick sk-11-11-0402

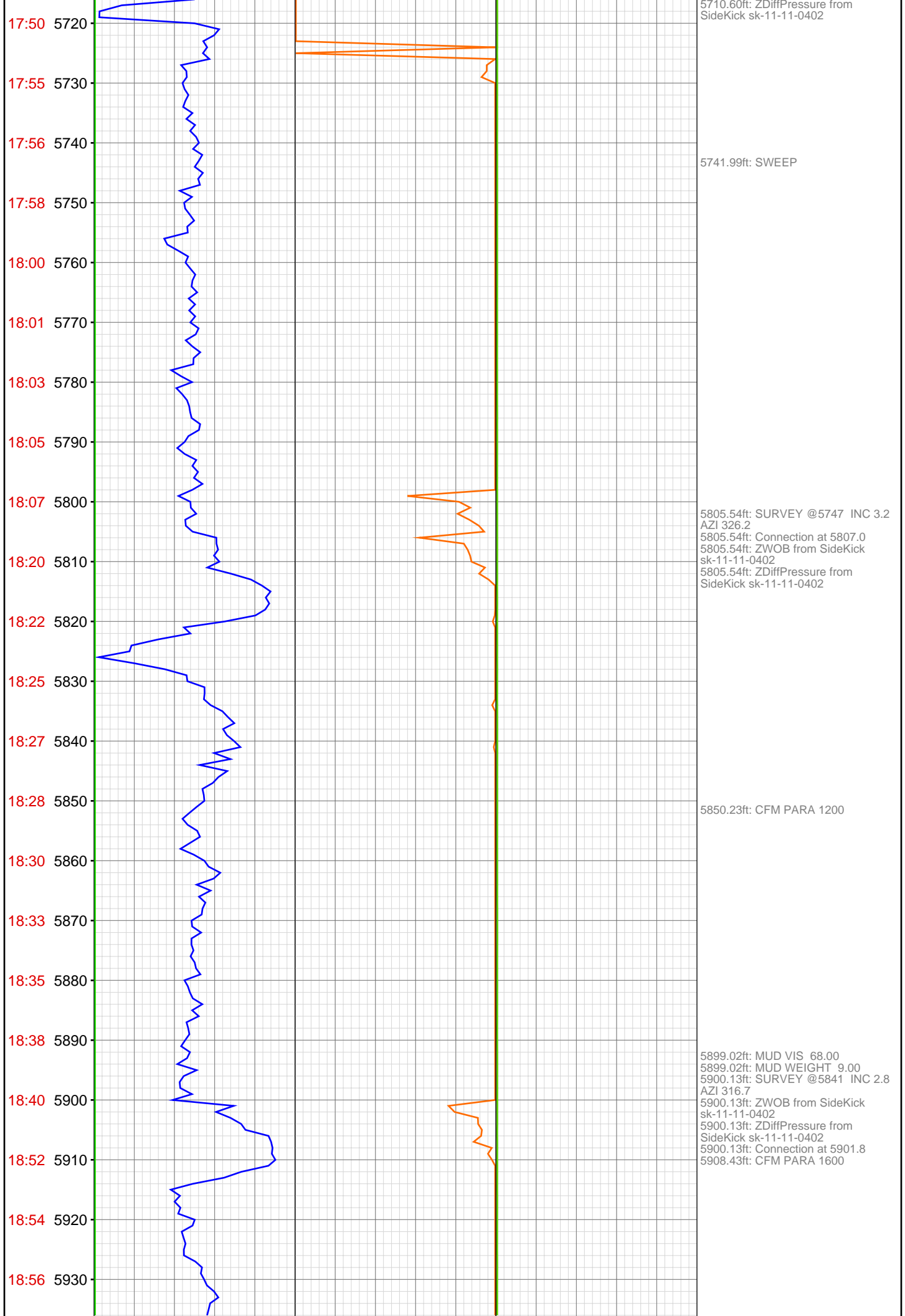
5422.11ft: SURVEY @ 5366' INC. 1.8  
AZ. 318.2  
5422.11ft: Connection at 5426.9  
5422.11ft: ZWOB from SideKick  
sk-11-11-0402  
5422.11ft: ZDiffPressure from  
SideKick sk-11-11-0402  
5428.25ft: SWEEP

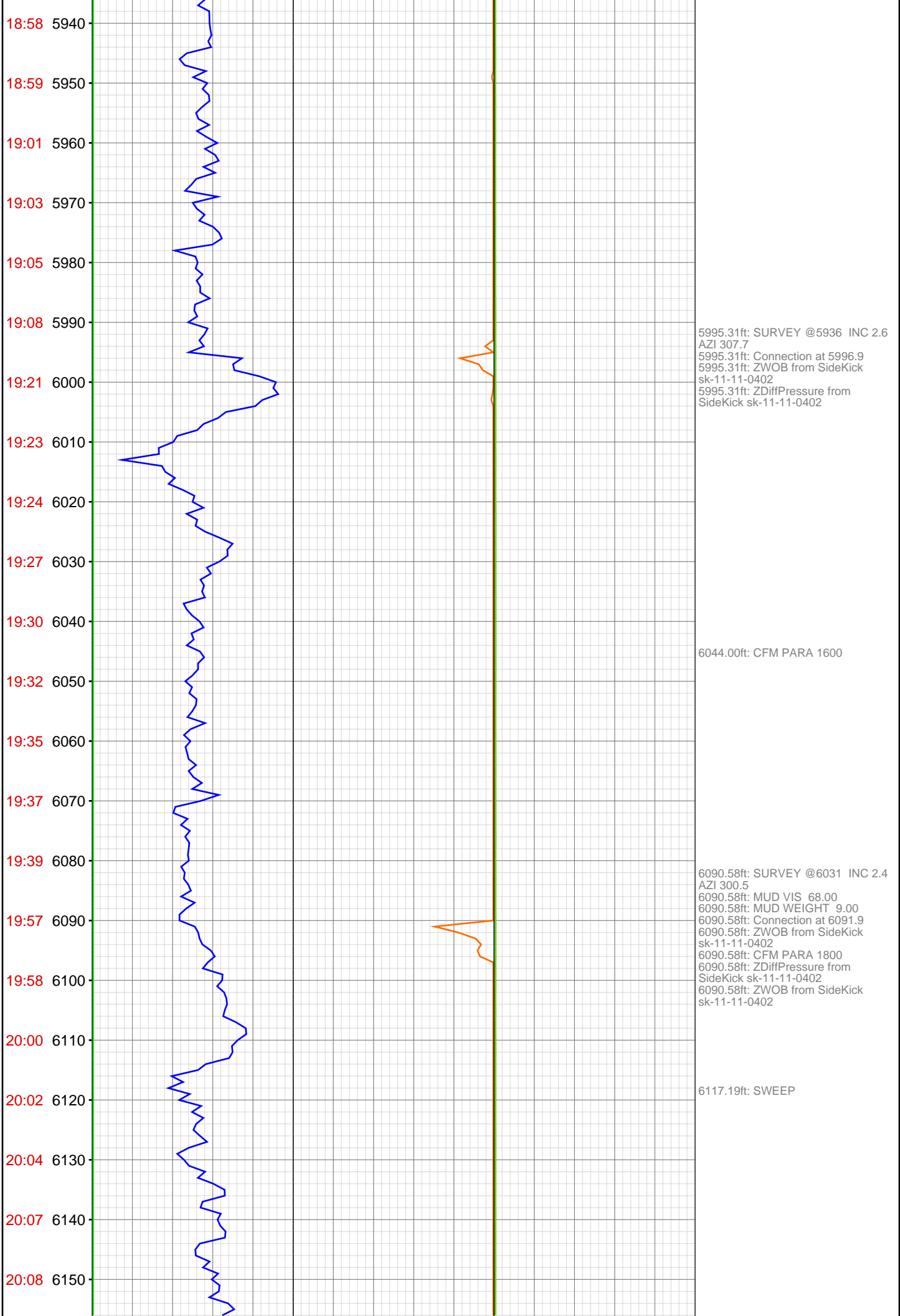
5472.08ft: MUD VIS 65.00

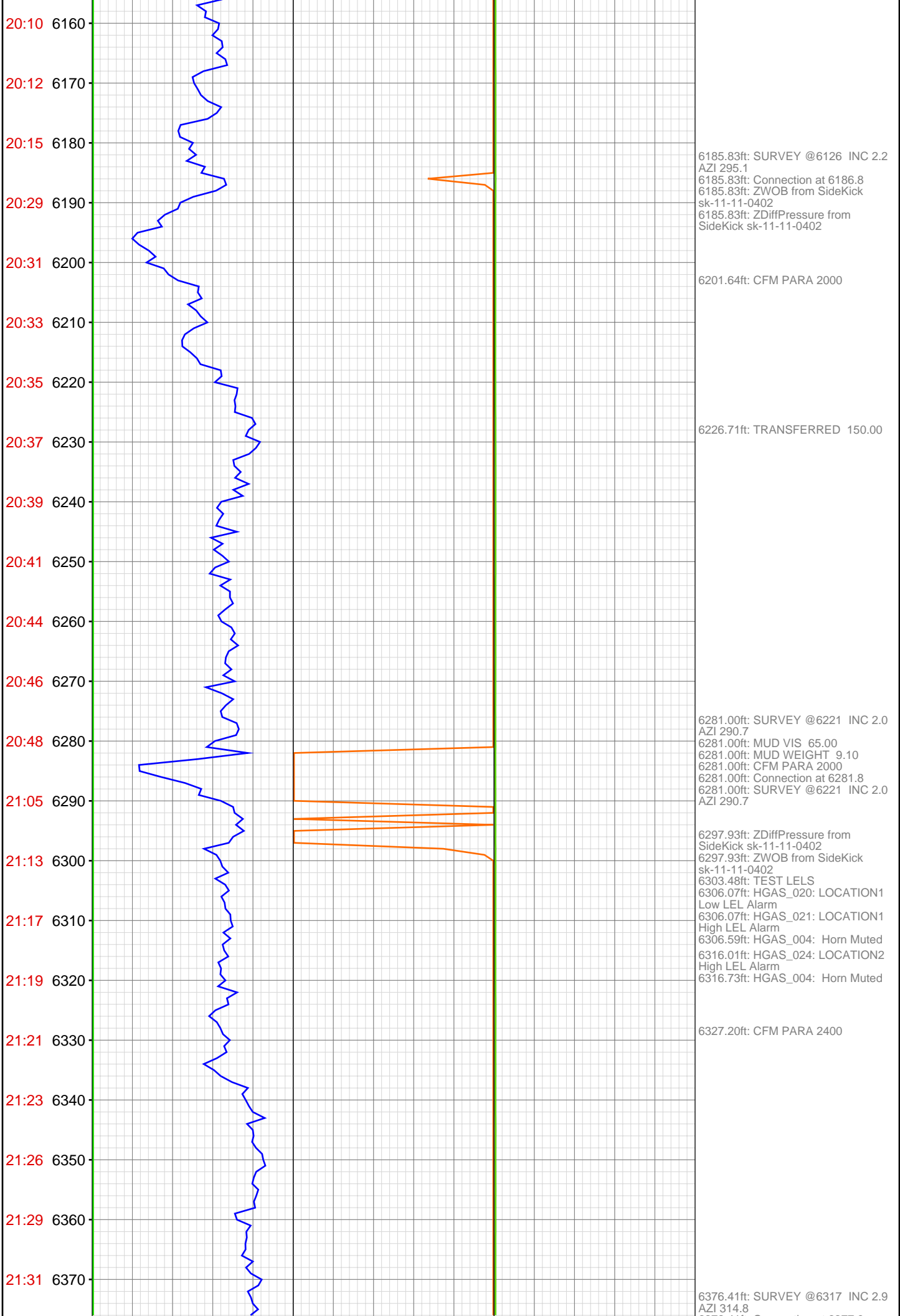
5479.86ft: MUD WEIGHT 9.25

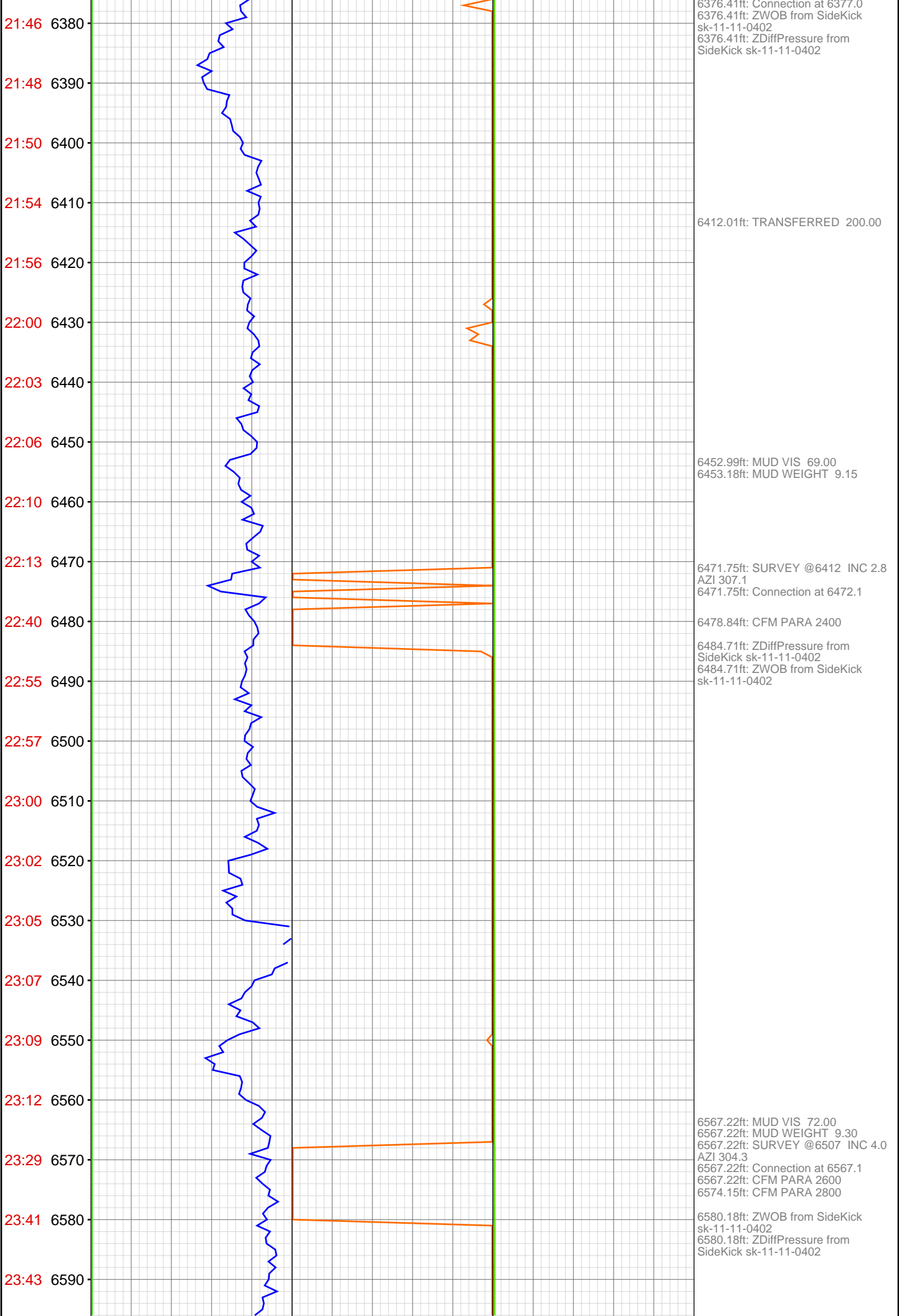


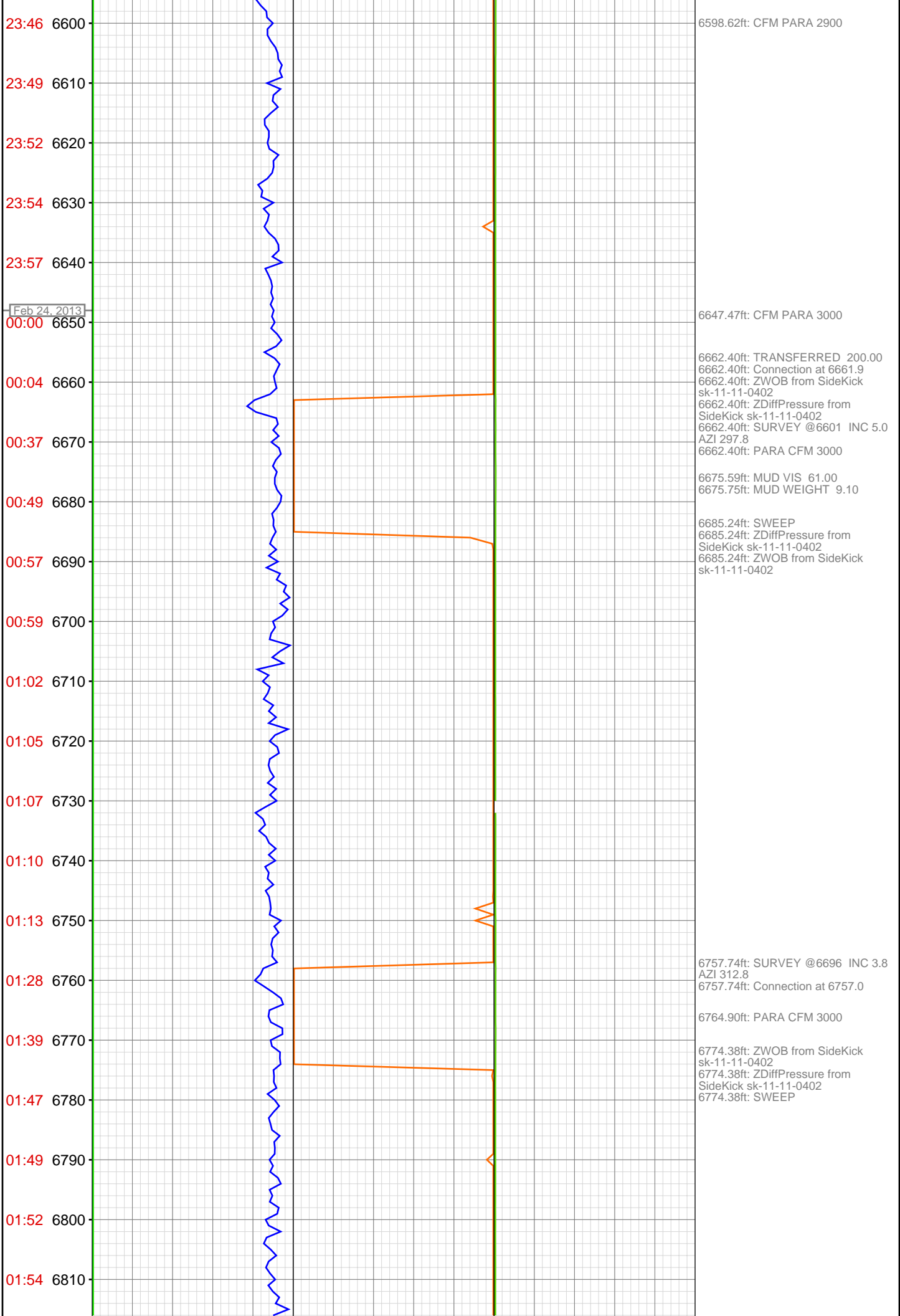




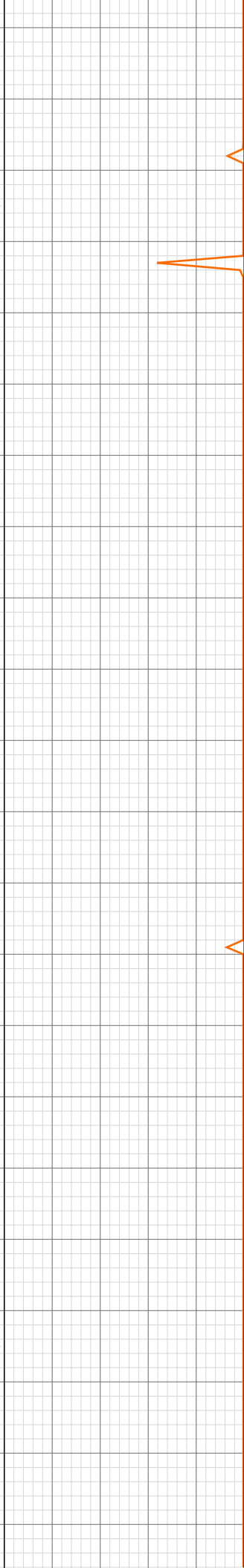
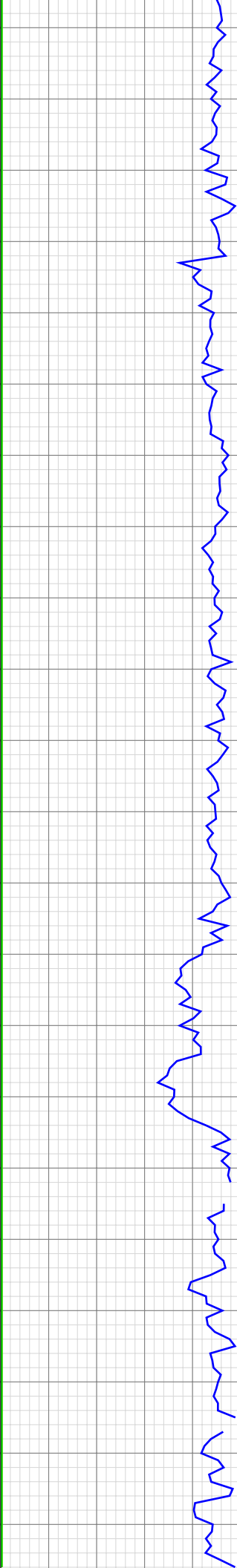








01:56 6820  
01:59 6830  
02:01 6840  
02:04 6850  
02:21 6860  
02:23 6870  
02:26 6880  
02:28 6890  
02:30 6900  
02:33 6910  
02:35 6920  
02:38 6930  
02:40 6940  
03:03 6950  
03:05 6960  
03:07 6970  
03:10 6980  
03:12 6990  
03:14 7000  
03:17 7010  
03:19 7020  
03:22 7030

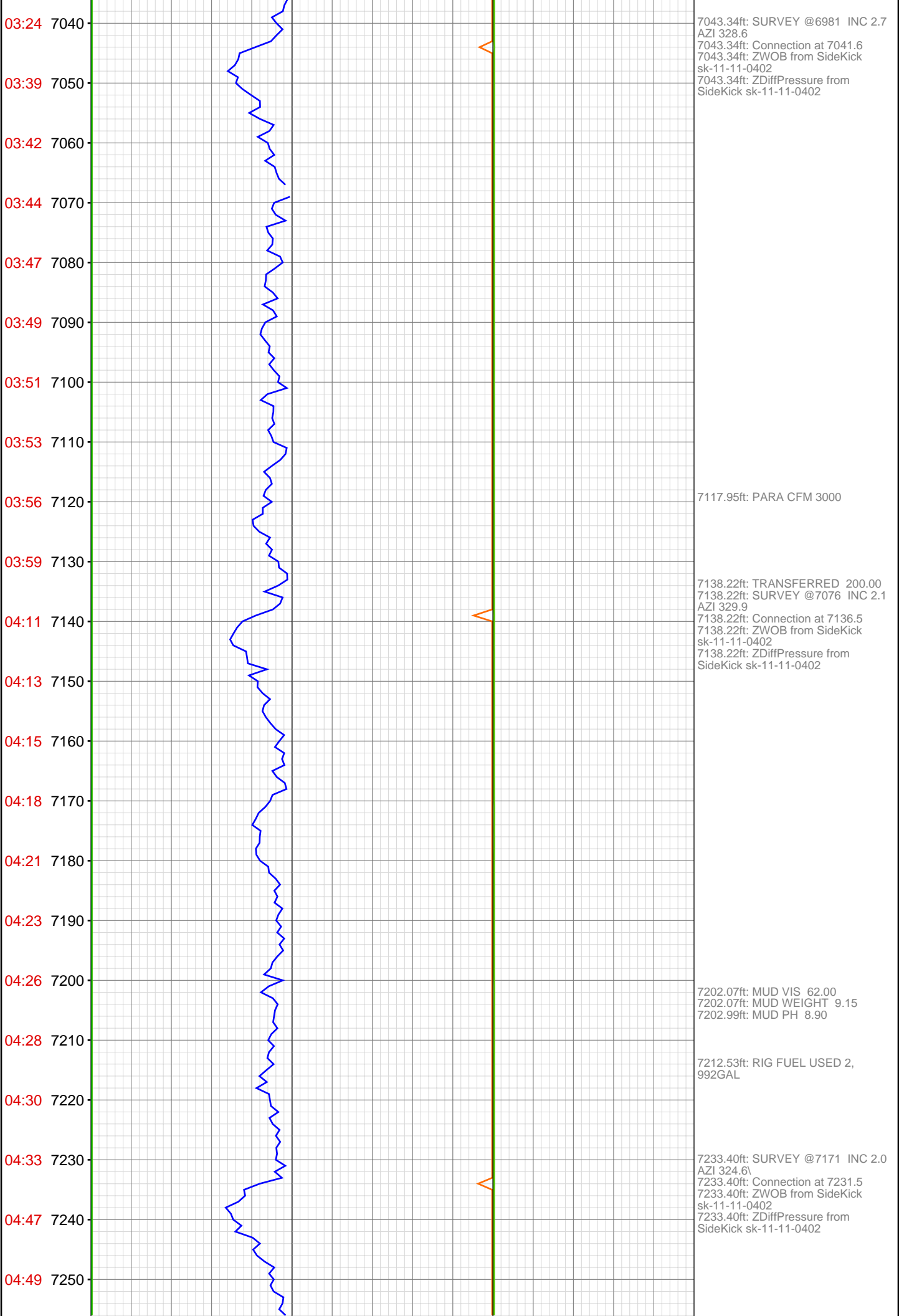


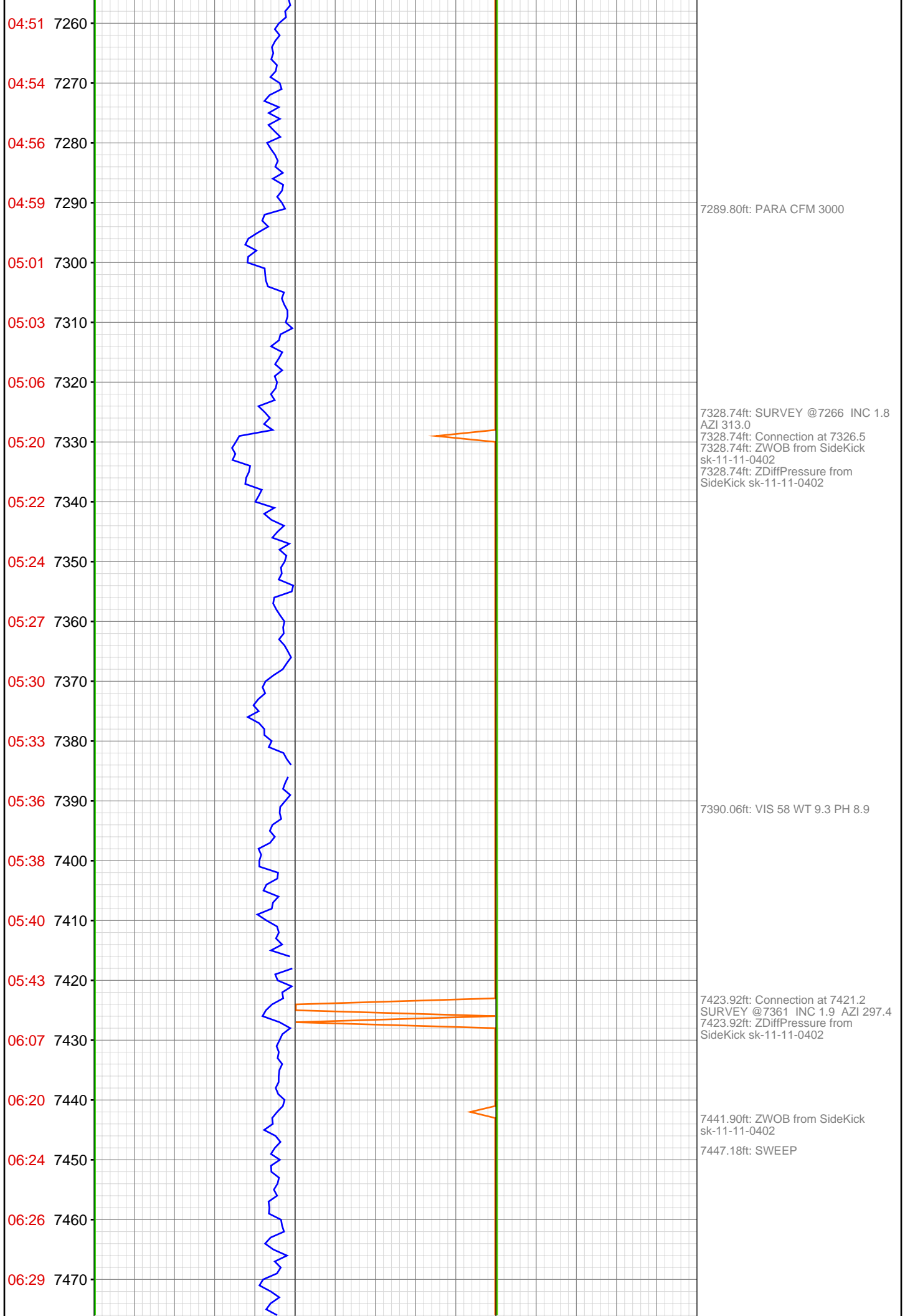
6852.92ft: SURVEY @6791 INC 3.5  
AZI 338.0  
6852.92ft: MUD VIS 60.00  
6852.92ft: MUD WEIGHT 9.00  
6852.92ft: Connection at 6851.8  
6852.92ft: ZWOB from SideKick  
sk-11-11-0402  
6852.92ft: ZDiffPressure from  
SideKick sk-11-11-0402

6925.62ft: PARA CFM 3000

6948.16ft: Connection at 6946.7  
6948.16ft: ZWOB from SideKick  
sk-11-11-0402  
6948.16ft: ZDiffPressure from  
SideKick sk-11-11-0402

7025.98ft: MUD VIS 62.00  
7026.35ft: MUD WEIGHT 9.00







06:32 7480  
06:34 7490  
06:37 7500  
06:39 7510  
06:59 7520  
07:01 7530  
07:04 7540  
07:06 7550  
07:09 7560  
07:11 7570  
07:14 7580  
07:16 7590  
07:19 7600  
07:21 7610  
07:39 7620  
07:43 7630  
07:45 7640  
07:47 7650  
07:50 7660  
07:53 7670  
07:56 7680  
08:00 7690



7484.55ft: MUD VIS 52.00  
7485.01ft: MUD WEIGHT 9.50

7492.22ft: PUMP OUT CATCH CAN

7518.87ft: 3000 CFM PARA  
7518.87ft: SURVEY @ 7456' INC. 2.7  
AZ. 350.1  
7518.87ft: Connection at 7516.0  
7518.87ft: ZWOB from SideKick  
sk-11-11-0402  
7518.87ft: ZDiffPressure from  
SideKick sk-11-11-0402

7531.10ft: SWEEP

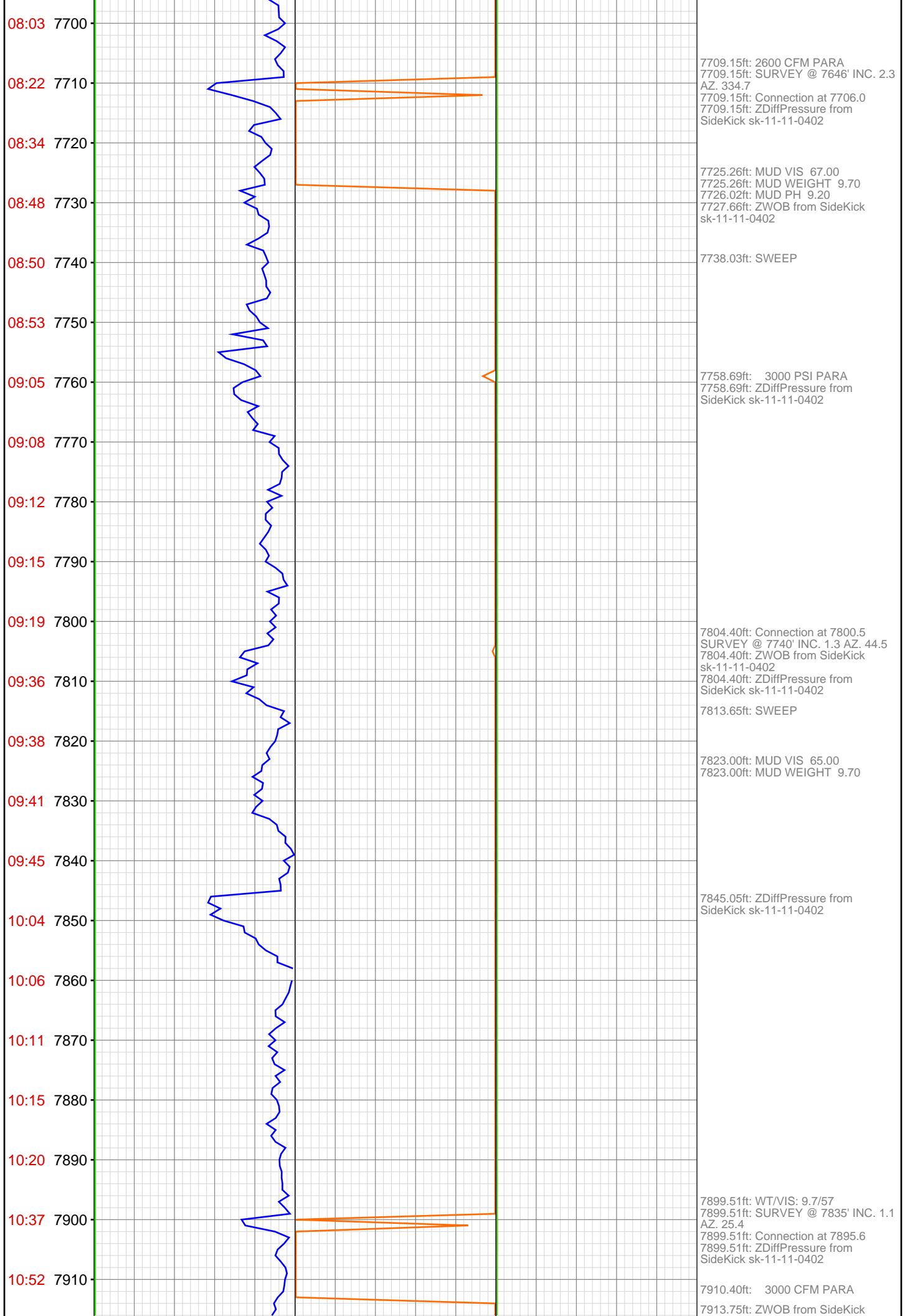
7614.04ft: Connection at 7611.0  
SURVEY @ 7551' INC. 2.5 AZ. 347.5  
7614.04ft: ZWOB from SideKick  
sk-11-11-0402  
7614.04ft: ZDiffPressure from  
SideKick sk-11-11-0402

7623.29ft: PUMP OUT CATCH CAN

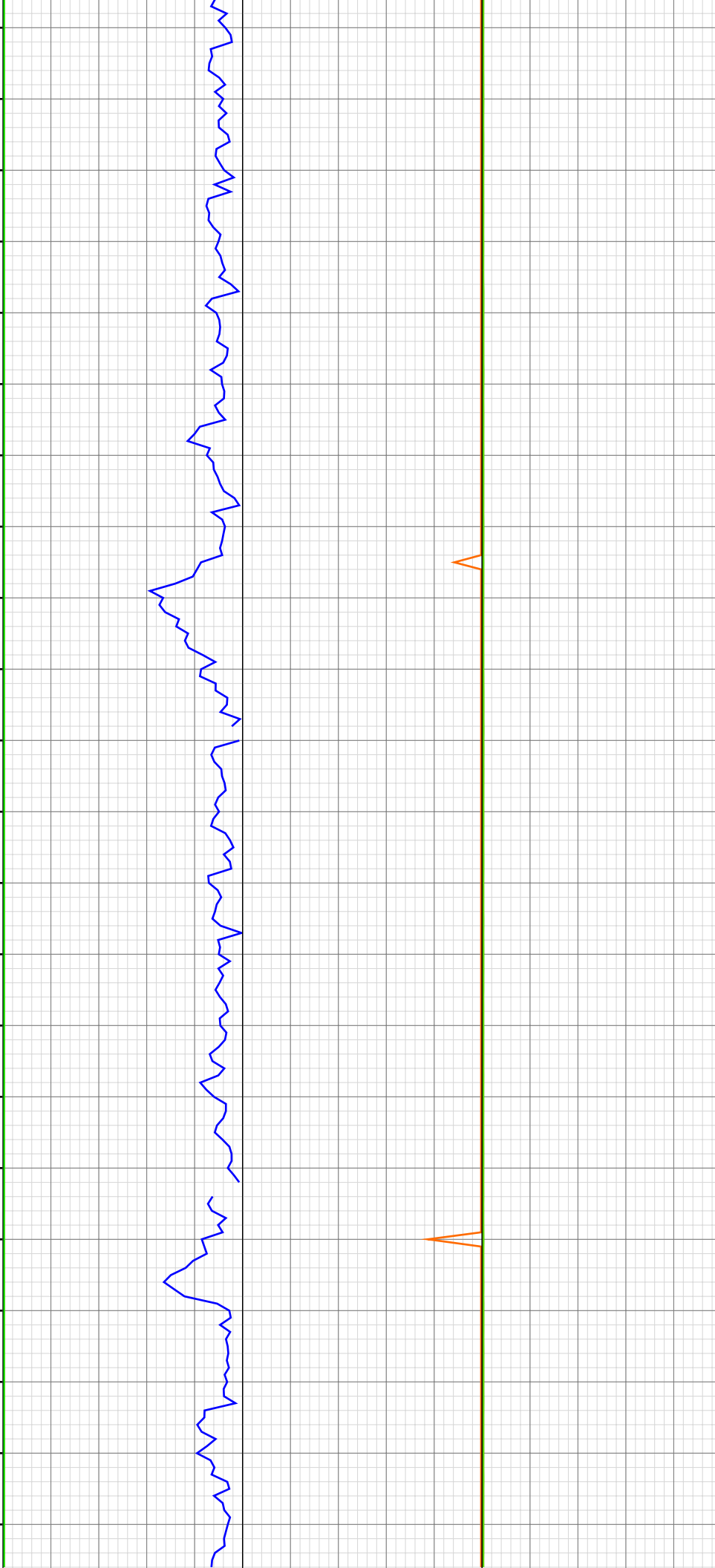
7637.11ft: MUD VIS 51.00  
7637.99ft: MUD WEIGHT 9.65

7668.57ft: C0MP FUEL FILTER

7678.41ft: TEST LELS  
7681.99ft: HGAS\_024: LOCATION2  
High LEL Alarm  
7681.99ft: HGAS\_004: Horn Muted  
7685.27ft: HGAS\_021: LOCATION1  
High LEL Alarm  
7685.99ft: HGAS\_004: Horn Muted



11:01 7920  
11:04 7930  
11:06 7940  
11:09 7950  
11:11 7960  
11:14 7970  
11:17 7980  
11:20 7990  
11:37 8000  
11:39 8010  
11:42 8020  
11:47 8030  
11:50 8040  
11:53 8050  
11:58 8060  
12:03 8070  
12:06 8080  
12:21 8090  
12:29 8100  
12:32 8110  
12:35 8120  
12:38 8130

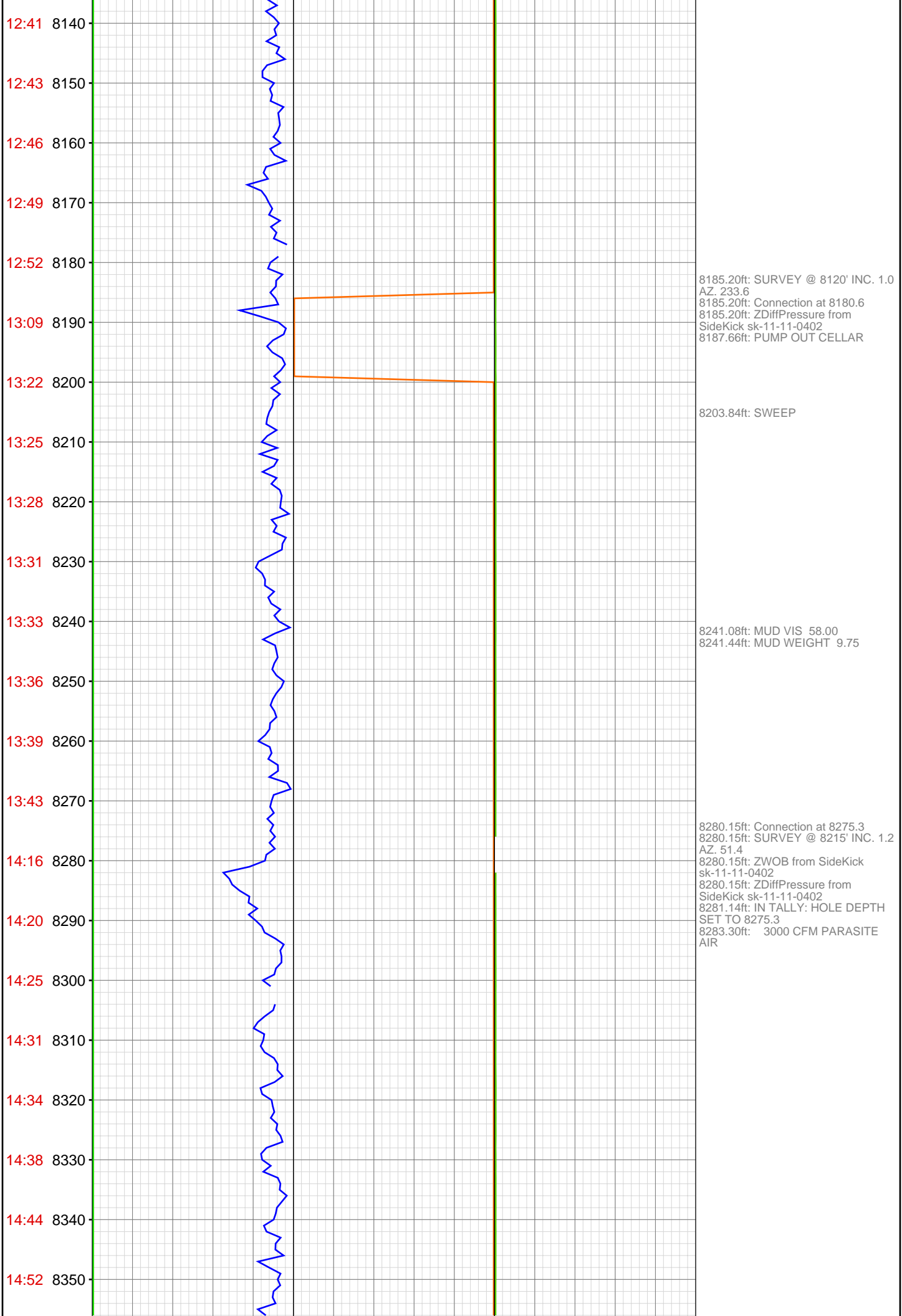


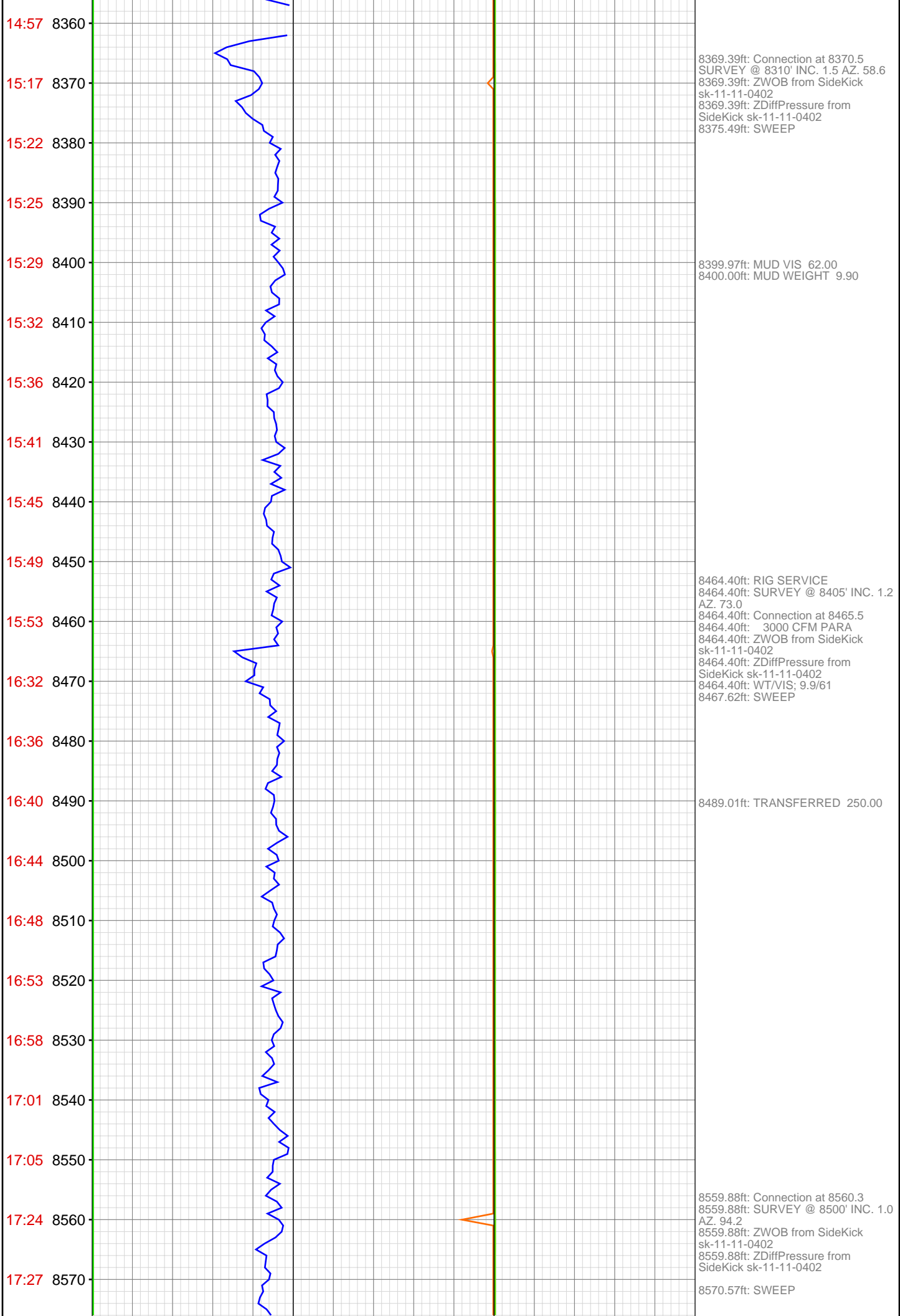
7994.85ft: SURVEY @ 7930' INC. 1.1  
AZ. 210.3  
7994.85ft: Connection at 7990.6  
7994.85ft: MUD VIS 63.00  
7994.85ft: MUD WEIGHT 9.75  
7994.85ft: ZWOB from SideKick  
sk-11-11-0402  
7994.85ft: ZDiffPressure from  
SideKick sk-11-11-0402  
8002.76ft: SWEEP

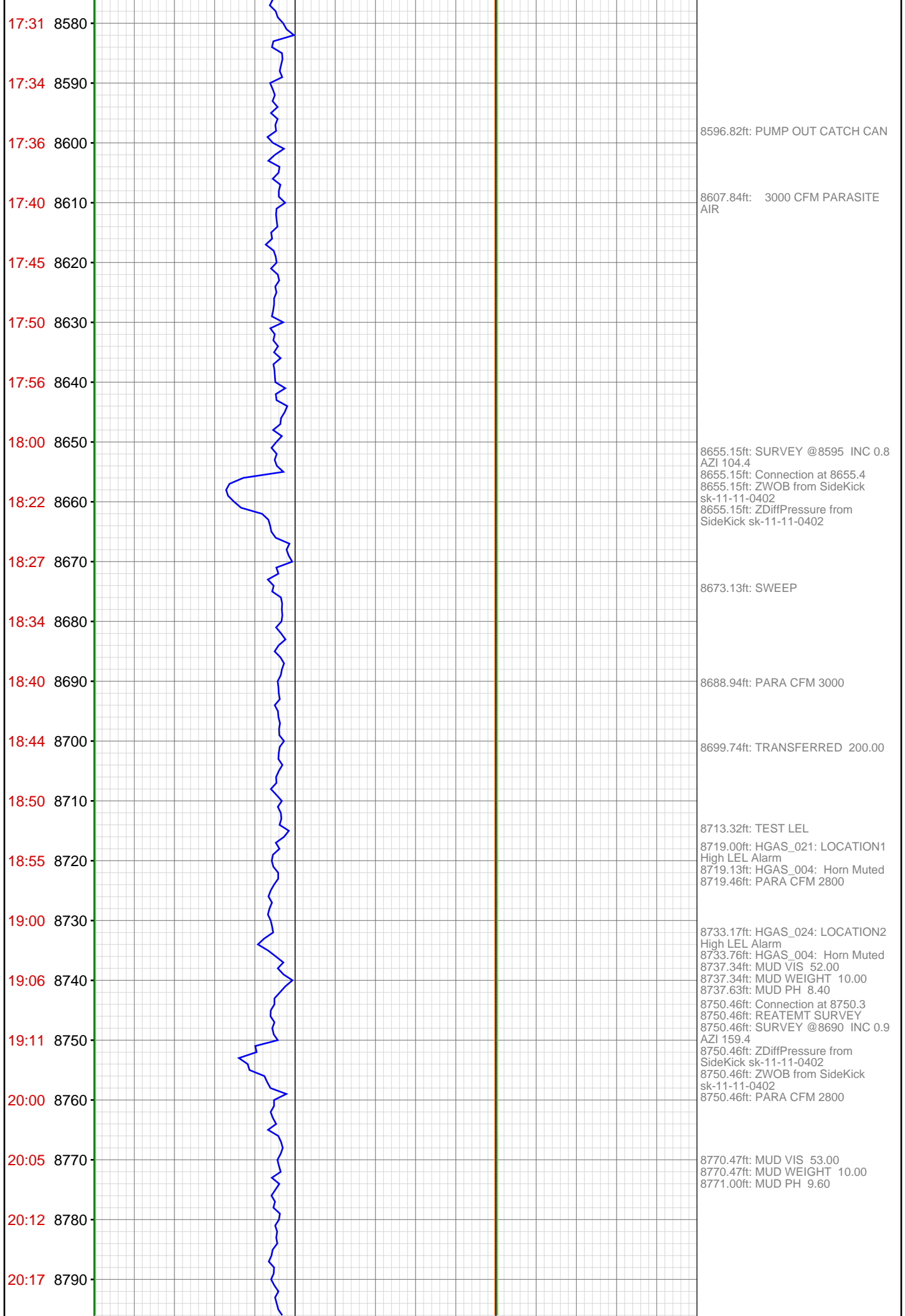
8089.86ft: SURVEY @ 8025' INC. 0.7  
AZ. 227.7  
8089.86ft: Connection at 8085.8  
8089.86ft: ZDiffPressure from  
SideKick sk-11-11-0402

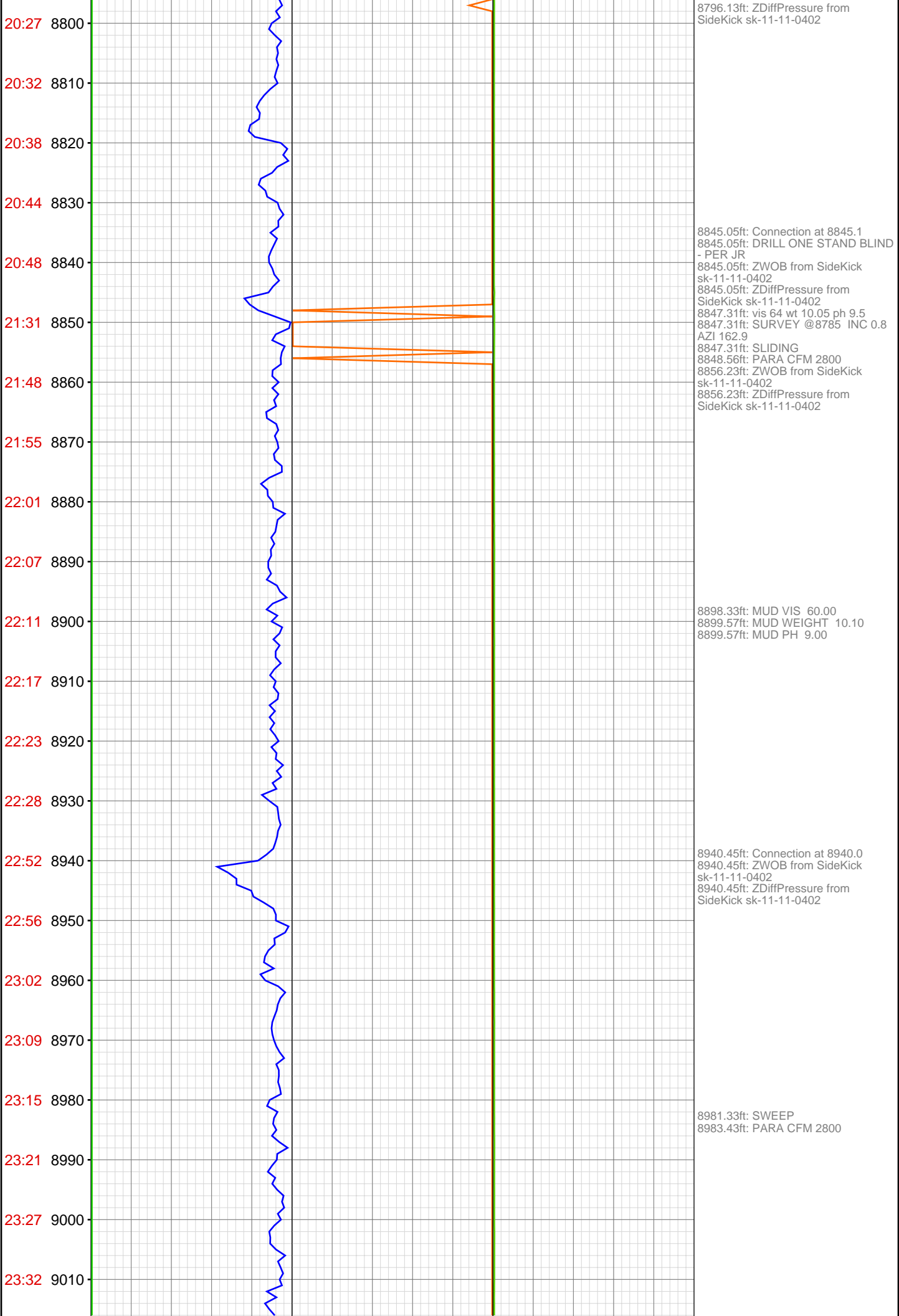
8102.26ft: MUD VIS 63.00  
8102.85ft: MUD WEIGHT 9.70

8120.01ft: 3000 CFM PARASITE  
AIR









23:38 9020

23:45 9030

Feb 25, 2013

00:42 9040

00:48 9050

00:53 9060

00:59 9070

01:04 9080

01:08 9090

01:13 9100

01:19 9110

01:24 9120

01:31 9130

02:12 9140

02:16 9150

02:23 9160

02:30 9170

02:37 9180

02:43 9190

02:48 9200

02:53 9210

02:59 9220

03:33 9230



9035.93ft: SURVEY @8880 INC 1.0  
AZI 252.7 SURVEY @8975 INC 1.4  
AZI 238.2  
9035.93ft: Connection at 9035.1  
9035.93ft: ZWOB from SideKick  
sk-11-11-0402  
9035.93ft: ZDiffPressure from  
SideKick sk-11-11-0402

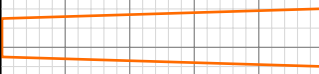
9055.18ft: MUD VIS 55.00  
9056.00ft: MUD WEIGHT 10.10  
9056.07ft: MUD PH 8.60  
9059.65ft: SWEEP

9087.11ft: PARA CFM 2800

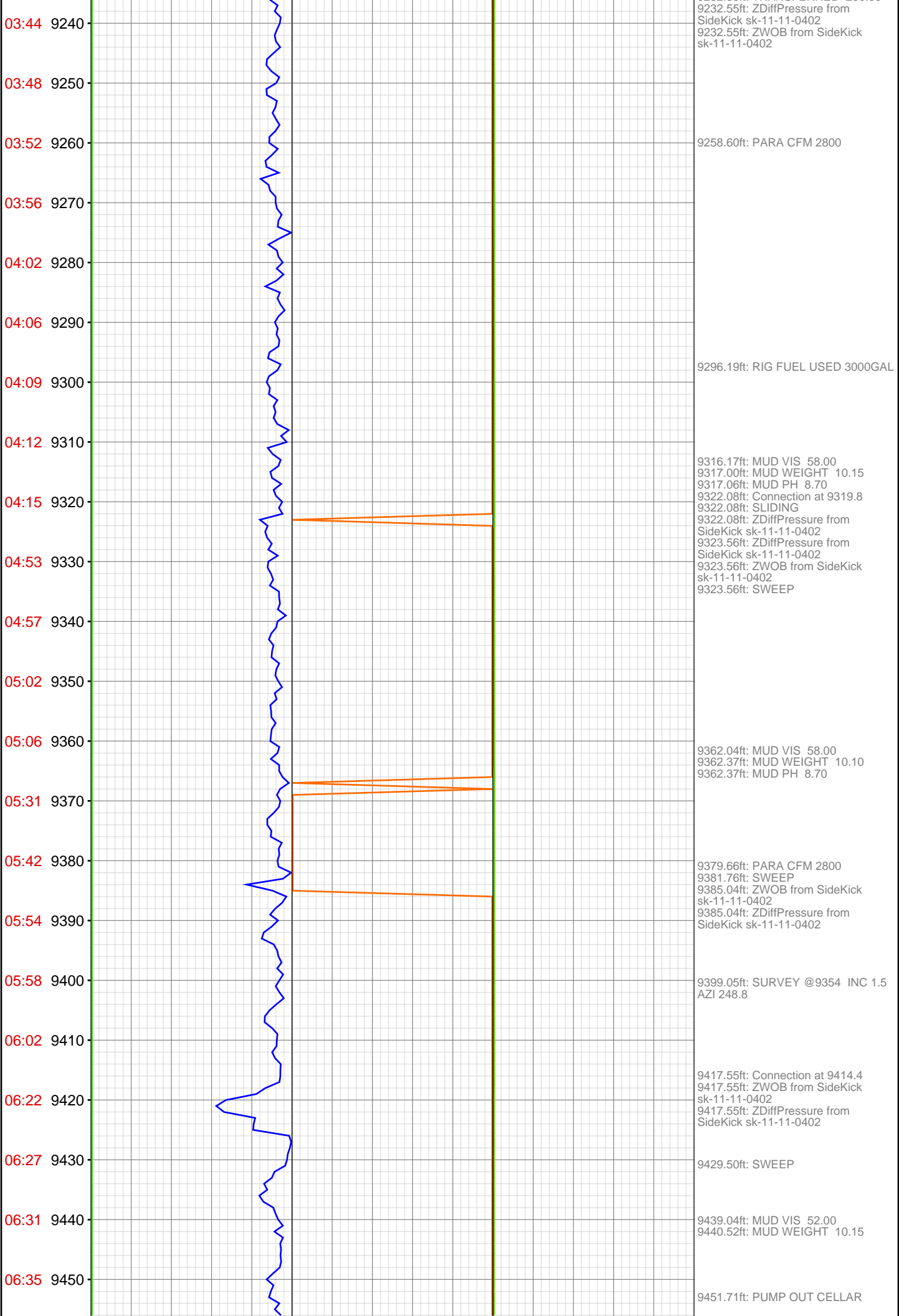
9131.27ft: Connection at 9130.3  
9131.27ft: SURVEY @9070 INC 1.4  
AZI 238.4  
9131.27ft: ZWOB from SideKick  
sk-11-11-0402  
9131.27ft: ZDiffPressure from  
SideKick sk-11-11-0402  
9131.27ft: PARA CFM 2800

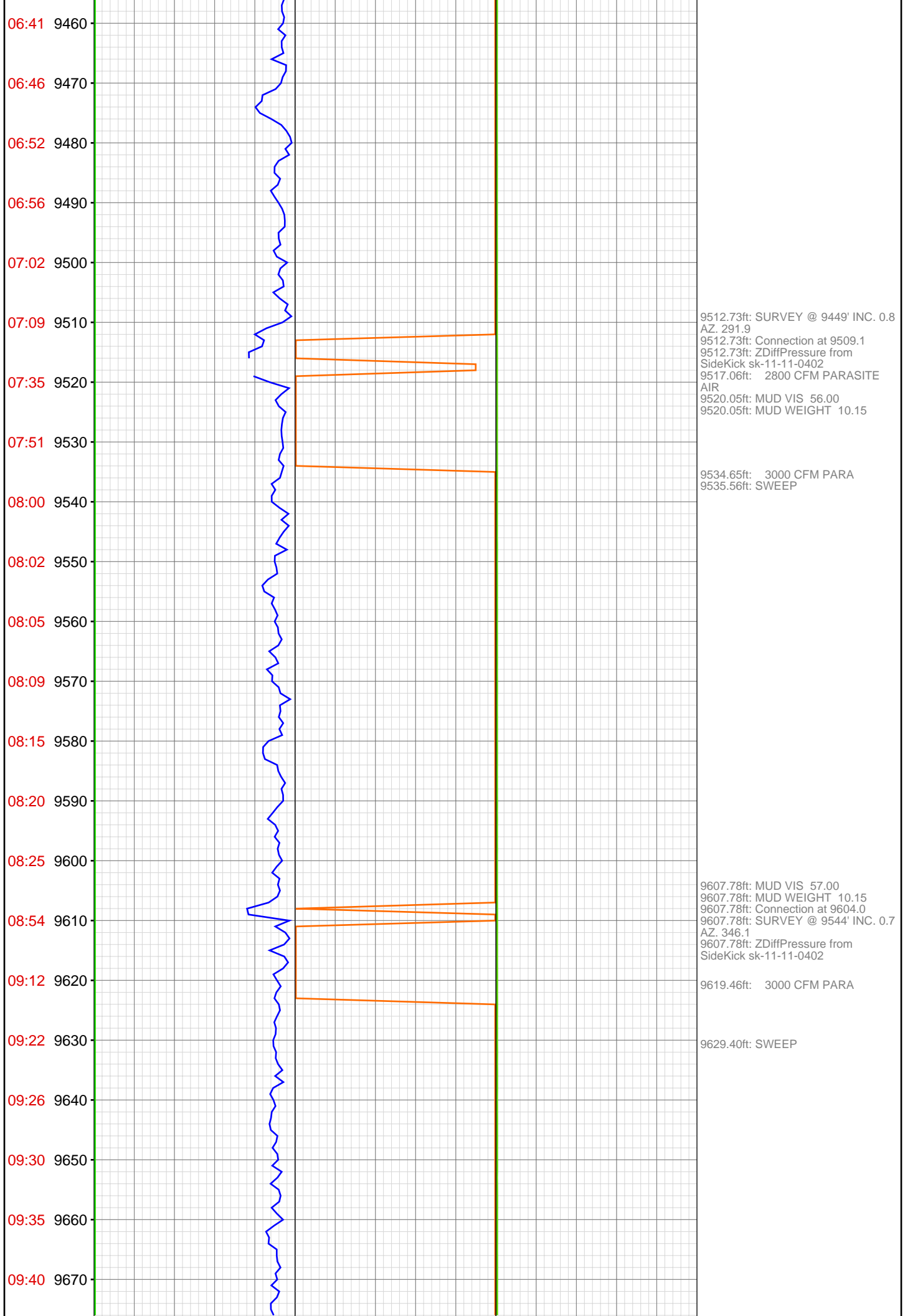
9161.71ft: SWEEP  
9167.00ft: MUD VIS 59.00  
9167.29ft: MUD WEIGHT 10.10  
9167.29ft: MUD PH 8.80

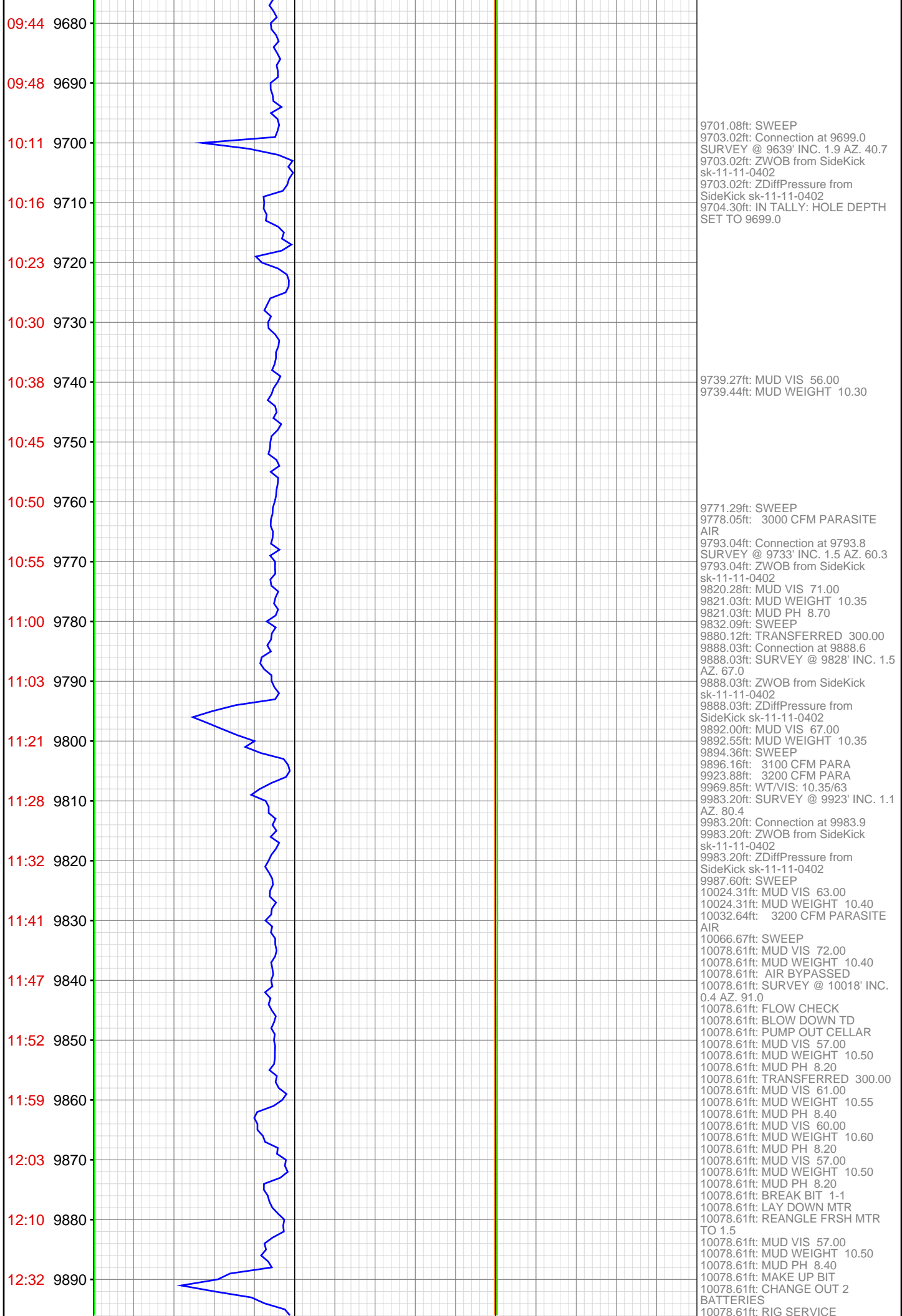
9226.51ft: SURVEY @9165 INC 1.6  
AZI 231.9  
9226.51ft: Connection at 9225.1  
9226.51ft: ZDiffPressure from  
SideKick sk-11-11-0402  
9226.51ft: MUD VIS 62.00  
9226.67ft: MUD WEIGHT 10.15  
9226.67ft: MUD PH 8.70  
9226.97ft: SLIDING  
9231.73ft: TRANSFER 200 BBLS  
9232.55ft: TRANSFERRED 200.00

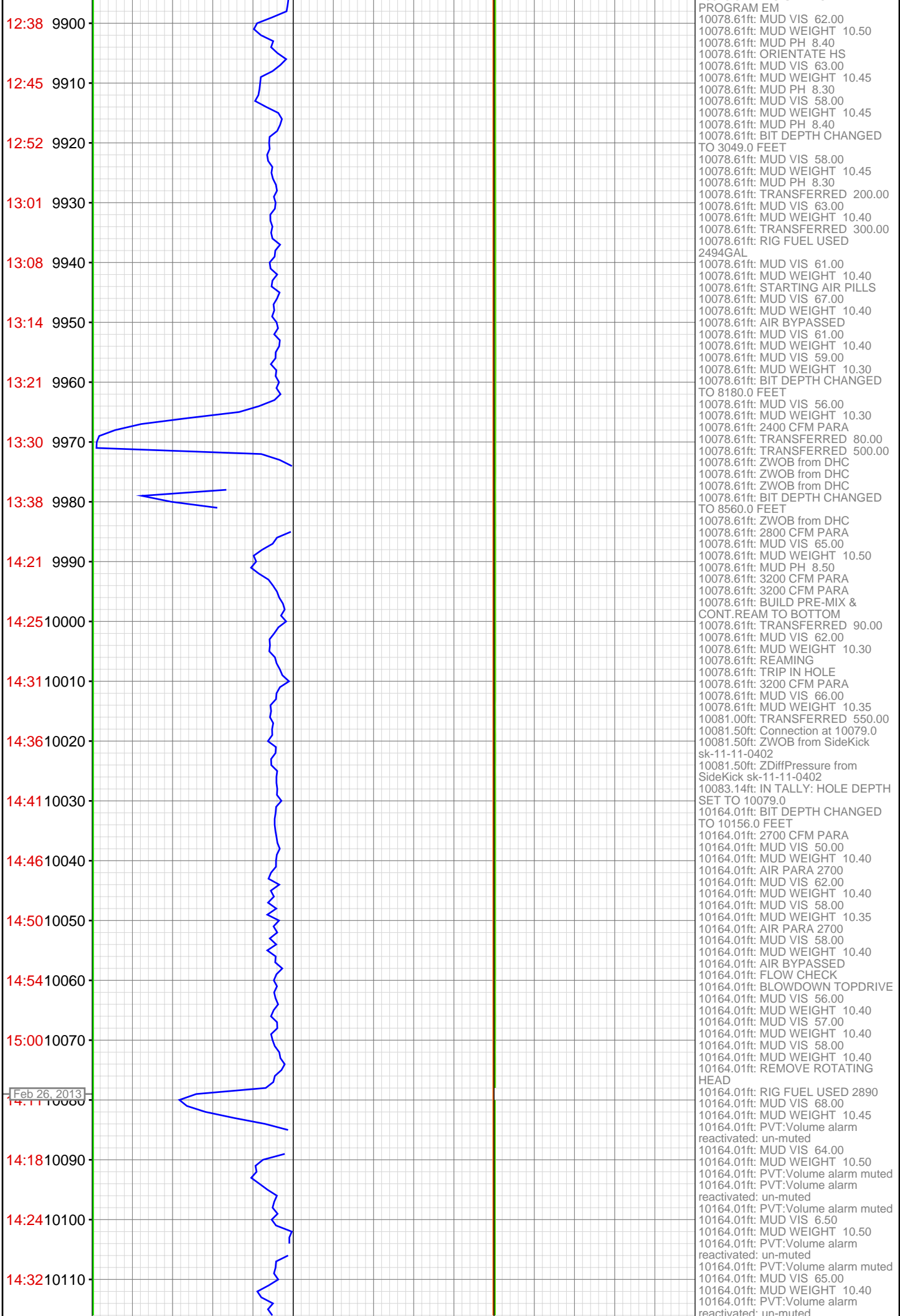


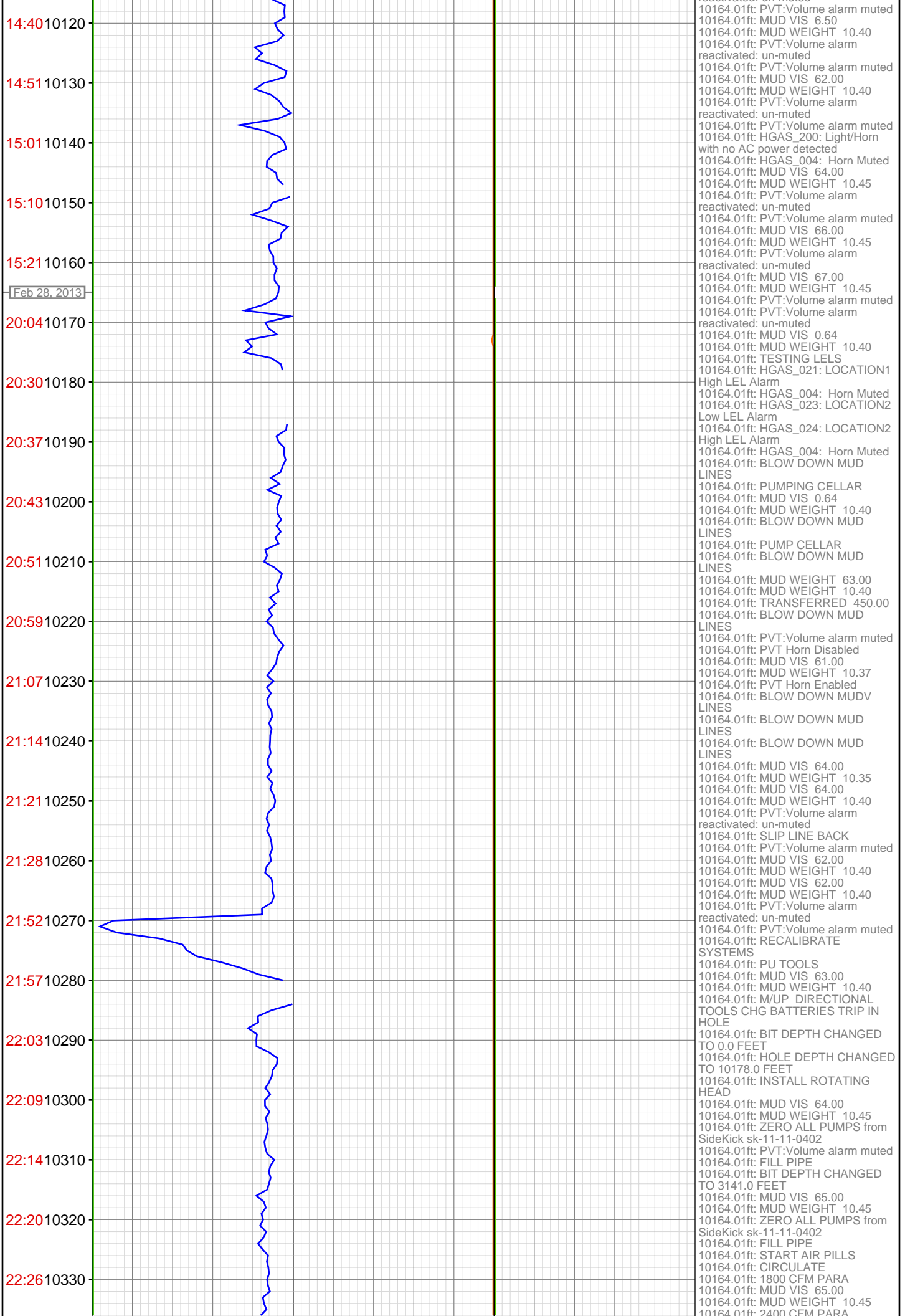


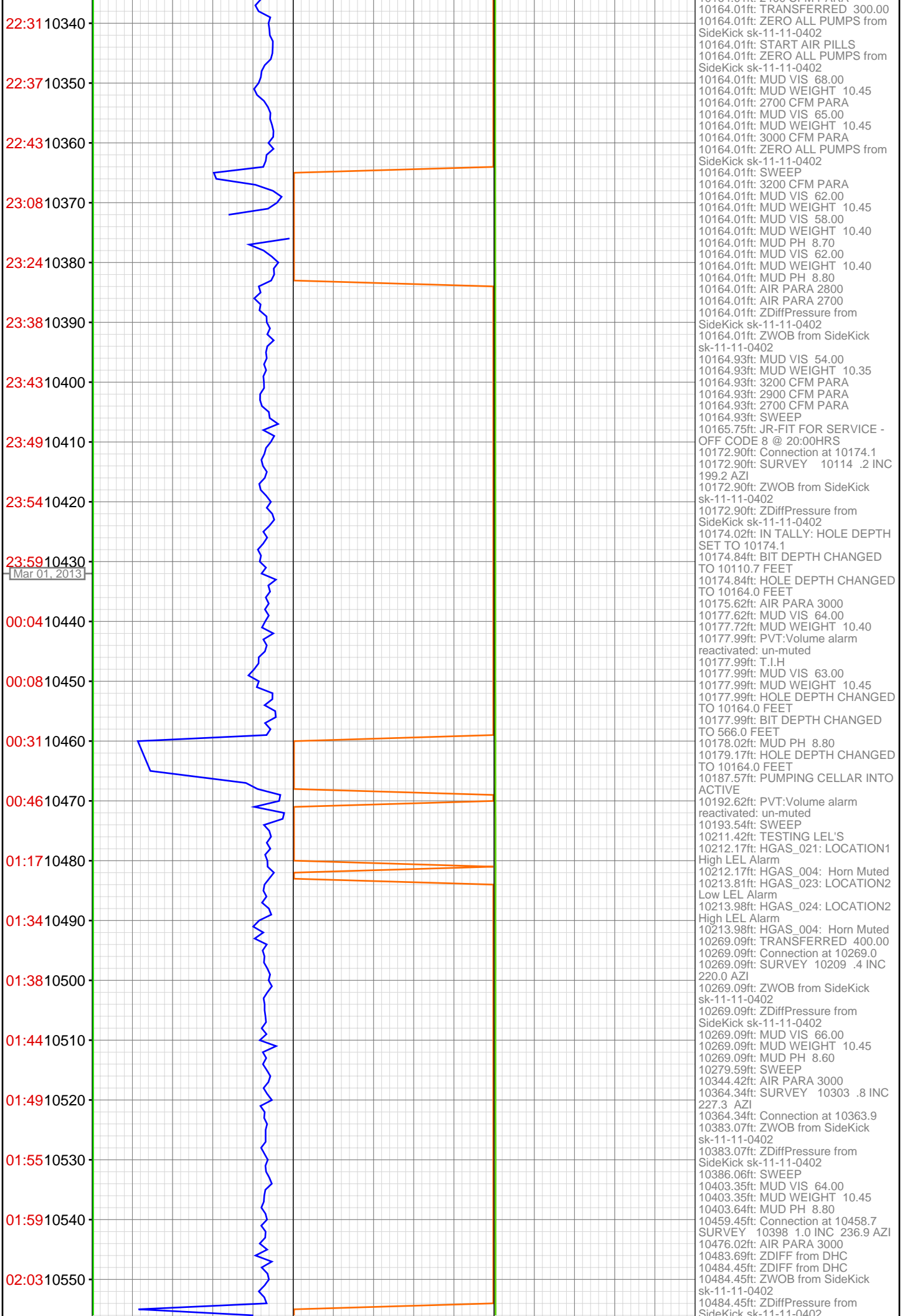




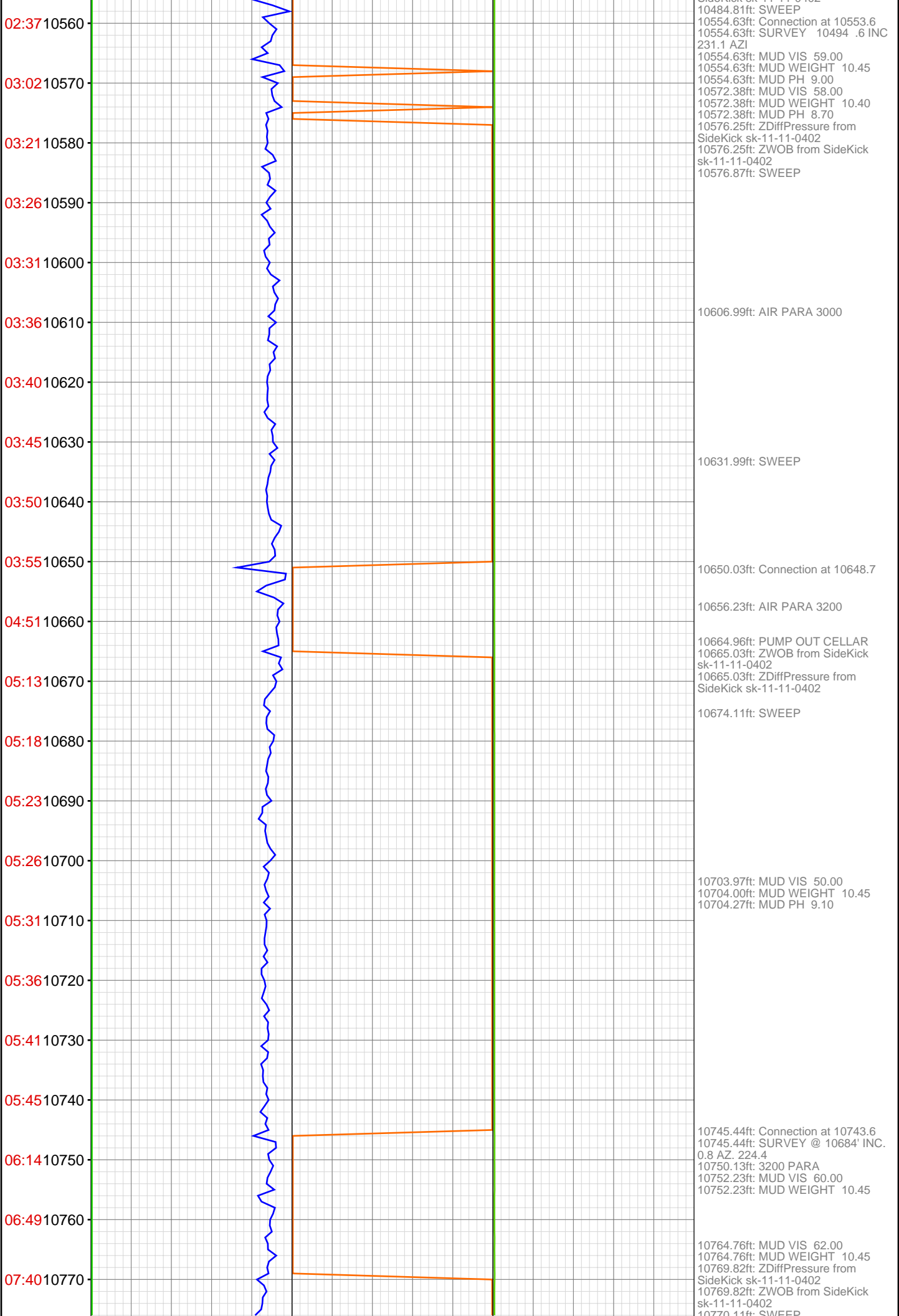


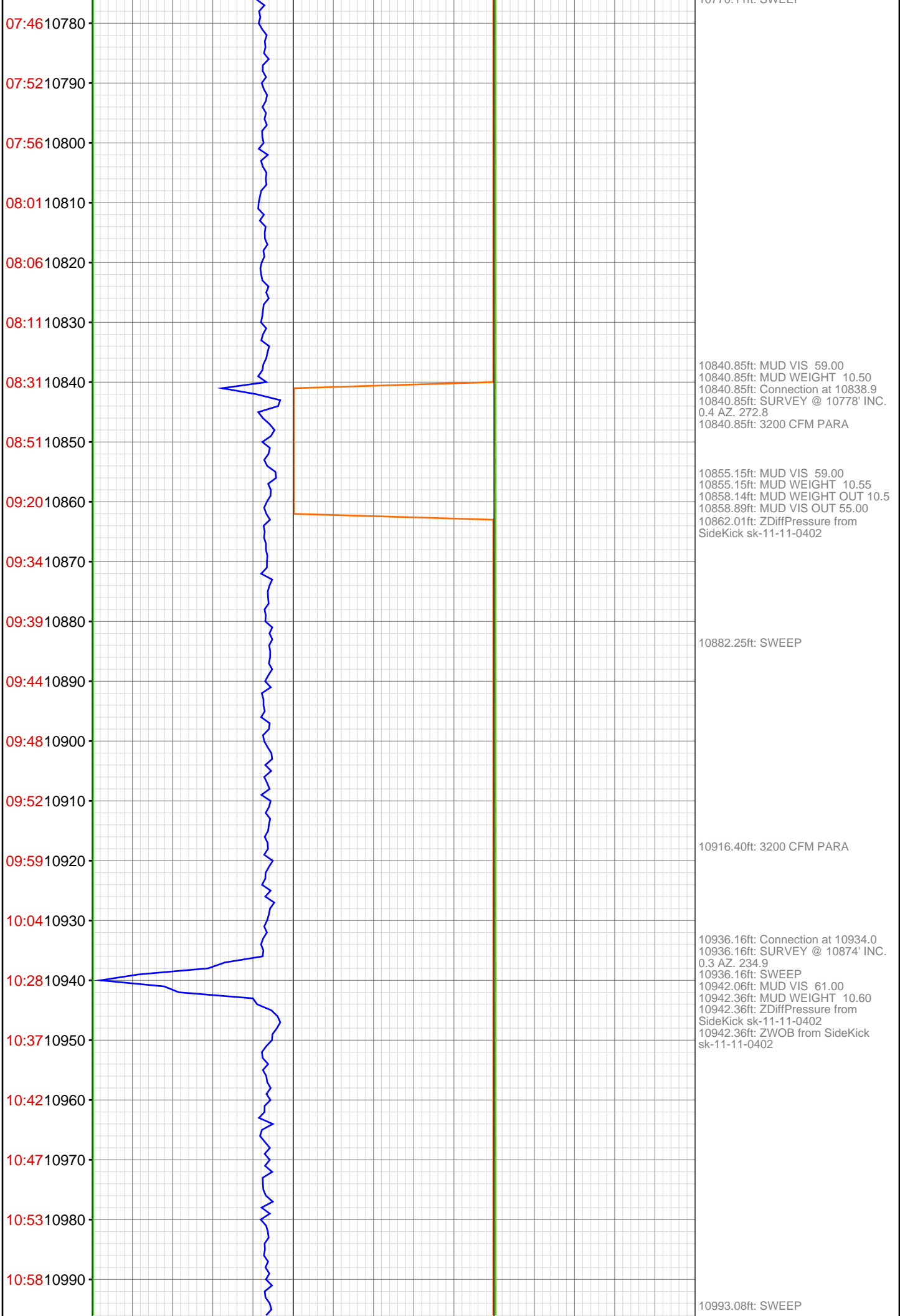




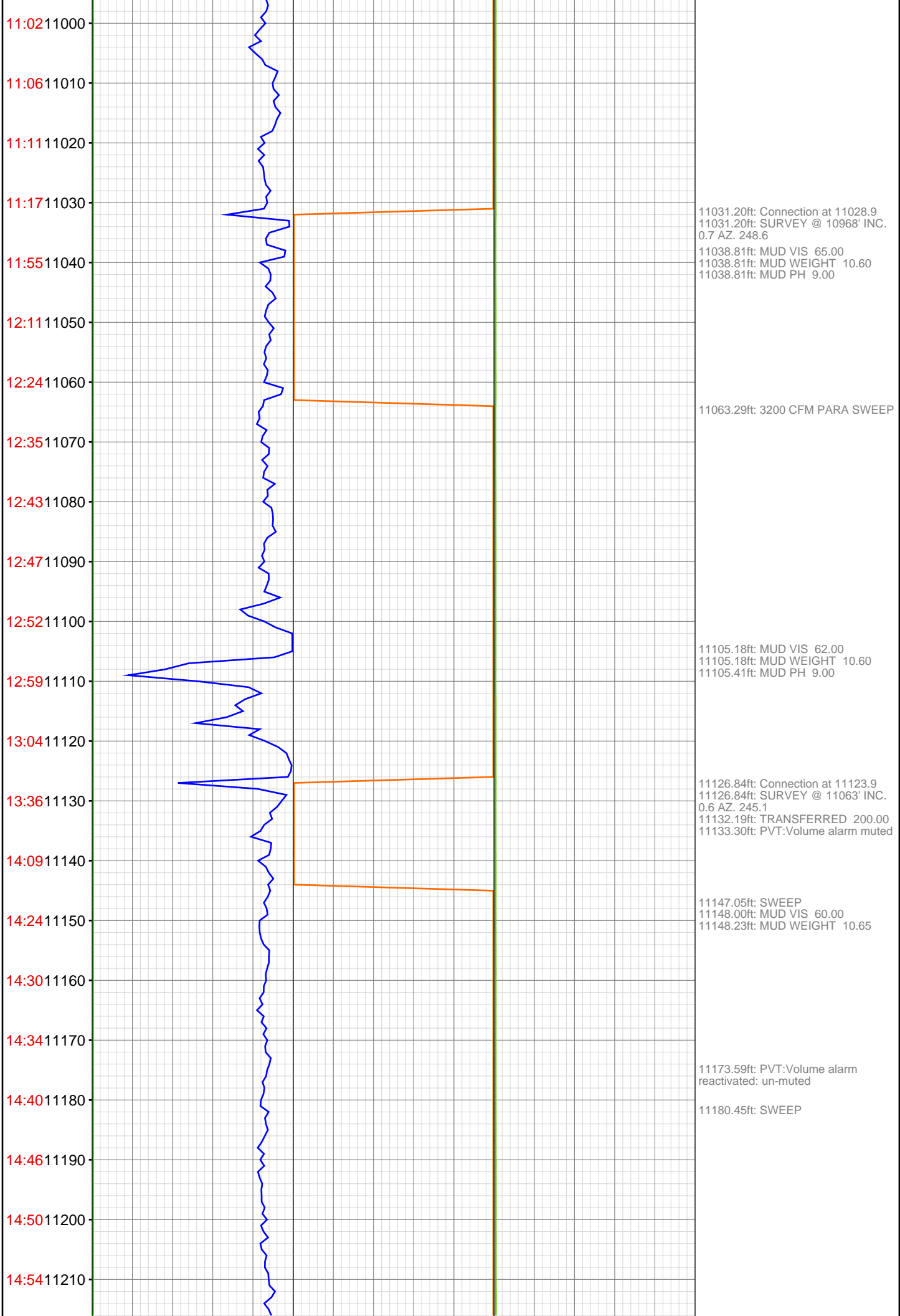


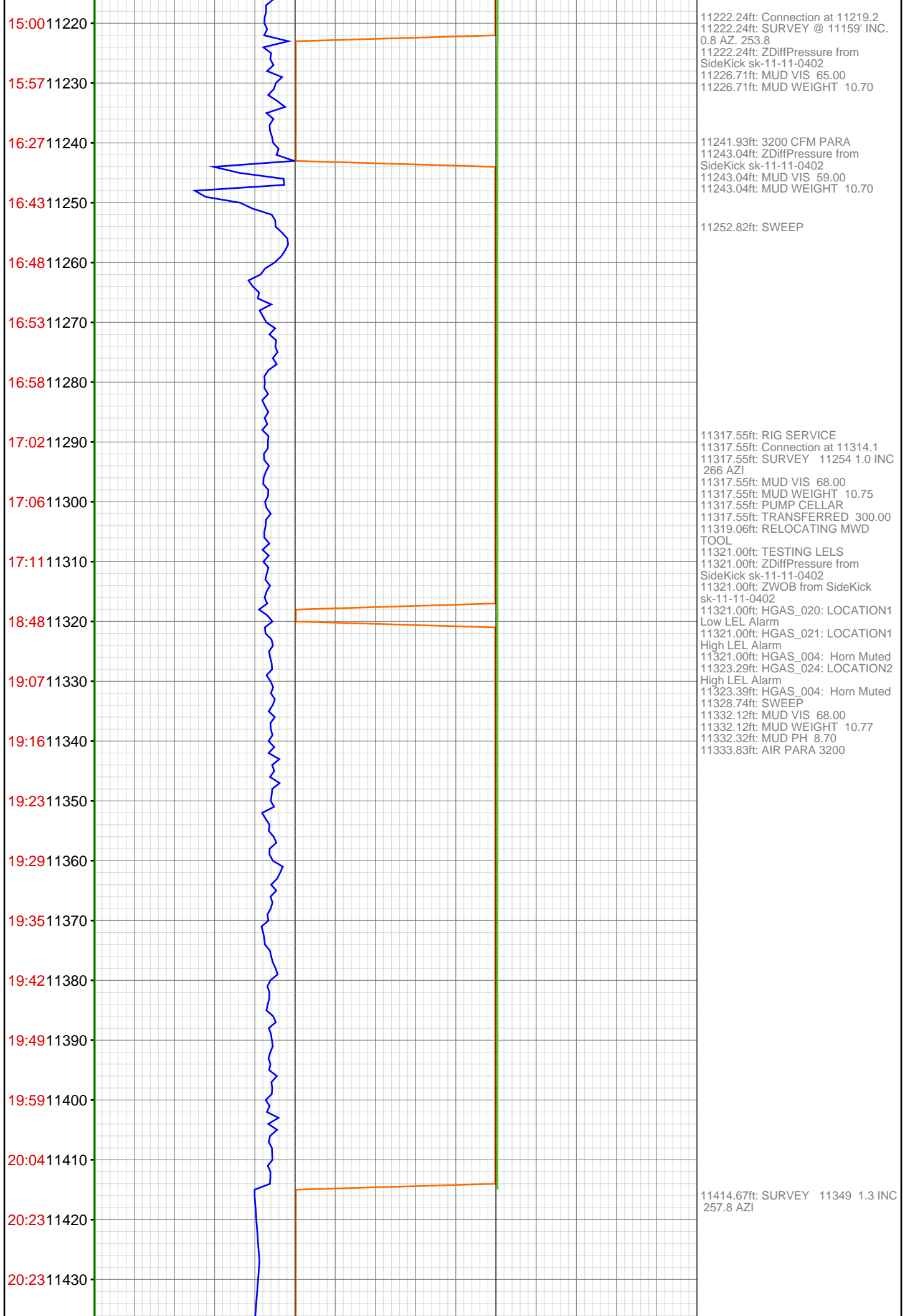




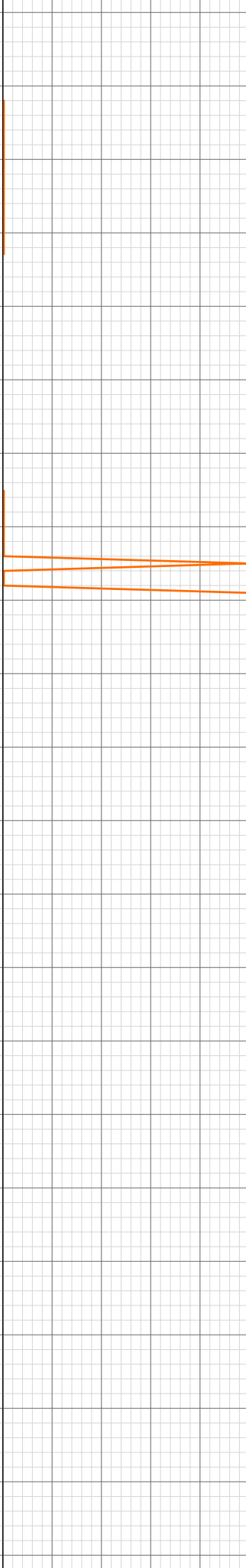
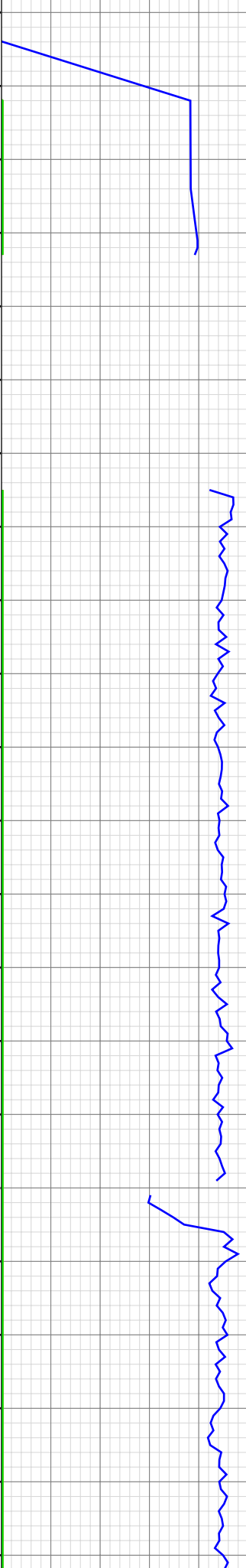








20:23 11440  
20:23 11450  
20:23 11460  
20:24 11470  
20:40 11480  
20:40 11490  
20:40 11500  
20:55 11510  
21:28 11520  
21:35 11530  
21:41 11540  
21:47 11550  
21:53 11560  
21:59 11570  
22:05 11580  
22:11 11590  
Mar 02, 2013  
00:49 11610  
00:56 11620  
01:02 11630  
01:08 11640  
01:15 11650



11473.69ft: Connection at 11504.0  
Connection at 11409.0  
CORRECTION  
11473.69ft: MUD VIS 66.00  
11473.69ft: MUD WEIGHT 10.75  
11473.69ft: MUD PH 8.70  
11473.69ft: IN TALLY: HOLE DEPTH  
SET TO 11504.0

11517.03ft: PUMPING OUT CELAR  
INTO ACTIVE  
11518.44ft: ZWOB from SideKick  
sk-11-11-0402  
11518.44ft: ZDiffPressure from  
SideKick sk-11-11-0402  
11518.44ft: ZDIFF from DHC  
11518.44ft: SWEEP

11592.98ft: AIR PARA 3100  
11597.74ft: Connection at 11599.1  
11597.74ft: SURVEY 11444 1.0 INC  
257 AZI Connection at 11504.0  
CORRECTION  
11597.74ft: MUD VIS 58.00  
11597.74ft: MUD WEIGHT 10.70  
11597.74ft: MUD PH 8.88  
11597.74ft: PUMP CELLAR  
11597.80ft: ZDiffPressure from  
SideKick sk-11-11-0402  
11597.80ft: ZWOB from SideKick  
sk-11-11-0402  
11599.08ft: AIR PARA 3100  
11599.08ft: Connection at 11599.1  
11599.08ft: SURVEY 11539 1.6 INC  
243.9 AZI  
11599.08ft: ZWOB from SideKick  
sk-11-11-0402  
11599.08ft: ZDiffPressure from  
SideKick sk-11-11-0402  
11603.84ft: SWEEP  
11611.75ft: SWEEP

11649.21ft: PUMP CELLAR  
11651.44ft: MUD VIS 57.00  
11651.44ft: MUD WEIGHT 10.70  
11651.74ft: MUD PH 8.90

01:20 11660  
01:26 11670  
01:35 11680  
01:42 11690  
02:06 11700  
02:12 11710  
02:20 11720  
02:28 11730  
02:35 11740  
02:40 11750  
02:47 11760  
02:54 11770  
03:02 11780  
03:28 11790  
03:33 11800  
03:42 11810  
03:50 11820  
03:59 11830  
04:06 11840  
04:12 11850  
04:19 11860  
04:26 11870



11694.39ft: IN TALLY: HOLE DEPTH  
SET TO 11599.1  
11694.55ft: AIR PARA 3100  
11694.55ft: Connection at 11693.9  
SURVEY 11633 1.6 INC 249.6 AZI  
11694.55ft: ZDiffPressure from  
SideKick sk-11-11-0402  
11694.55ft: ZWOB from SideKick  
sk-11-11-0402

11708.66ft: SWEEP

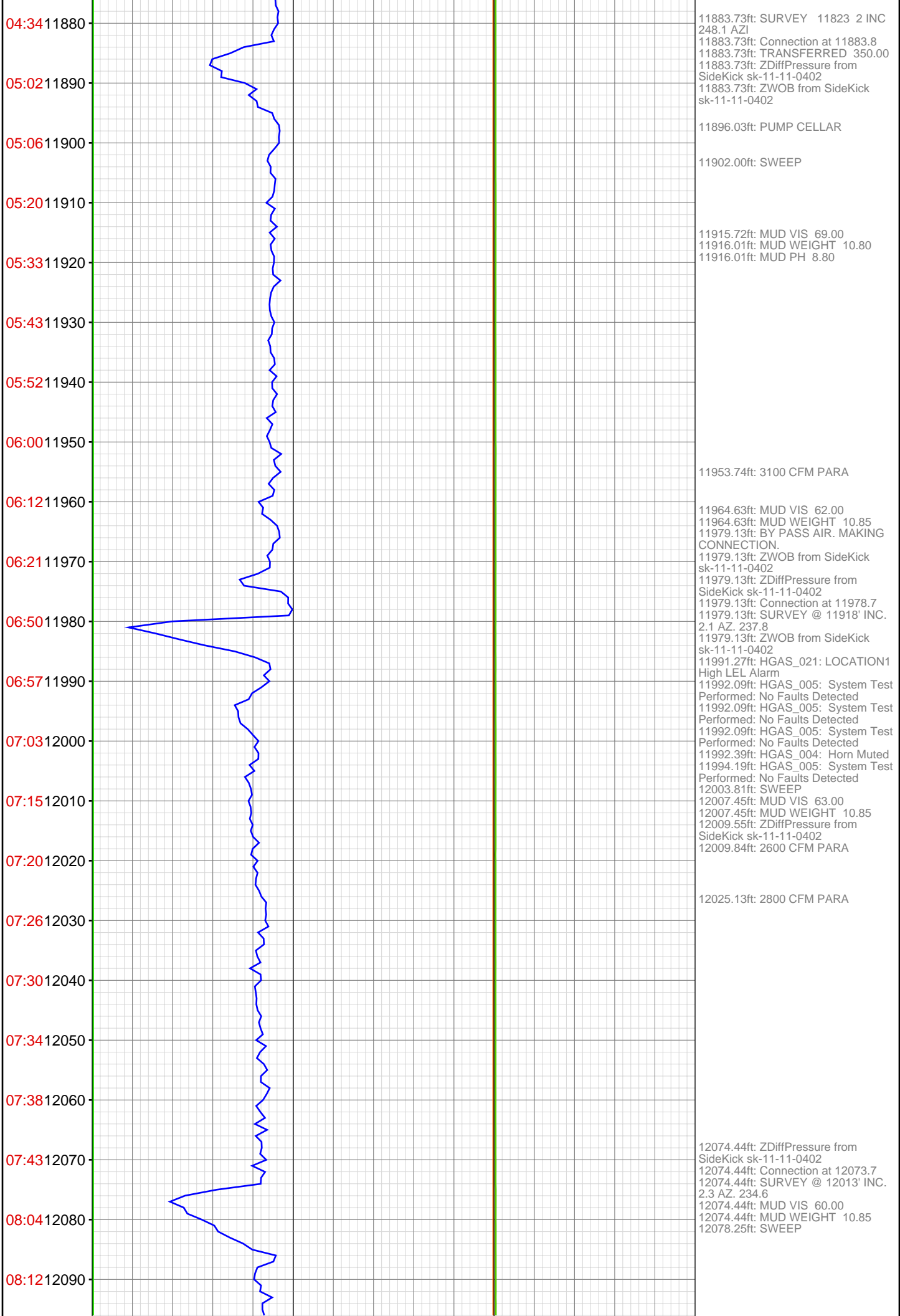
11771.69ft: MUD VIS 0.59  
11772.01ft: MUD WEIGHT 10.77  
11772.01ft: MUD PH 8.80

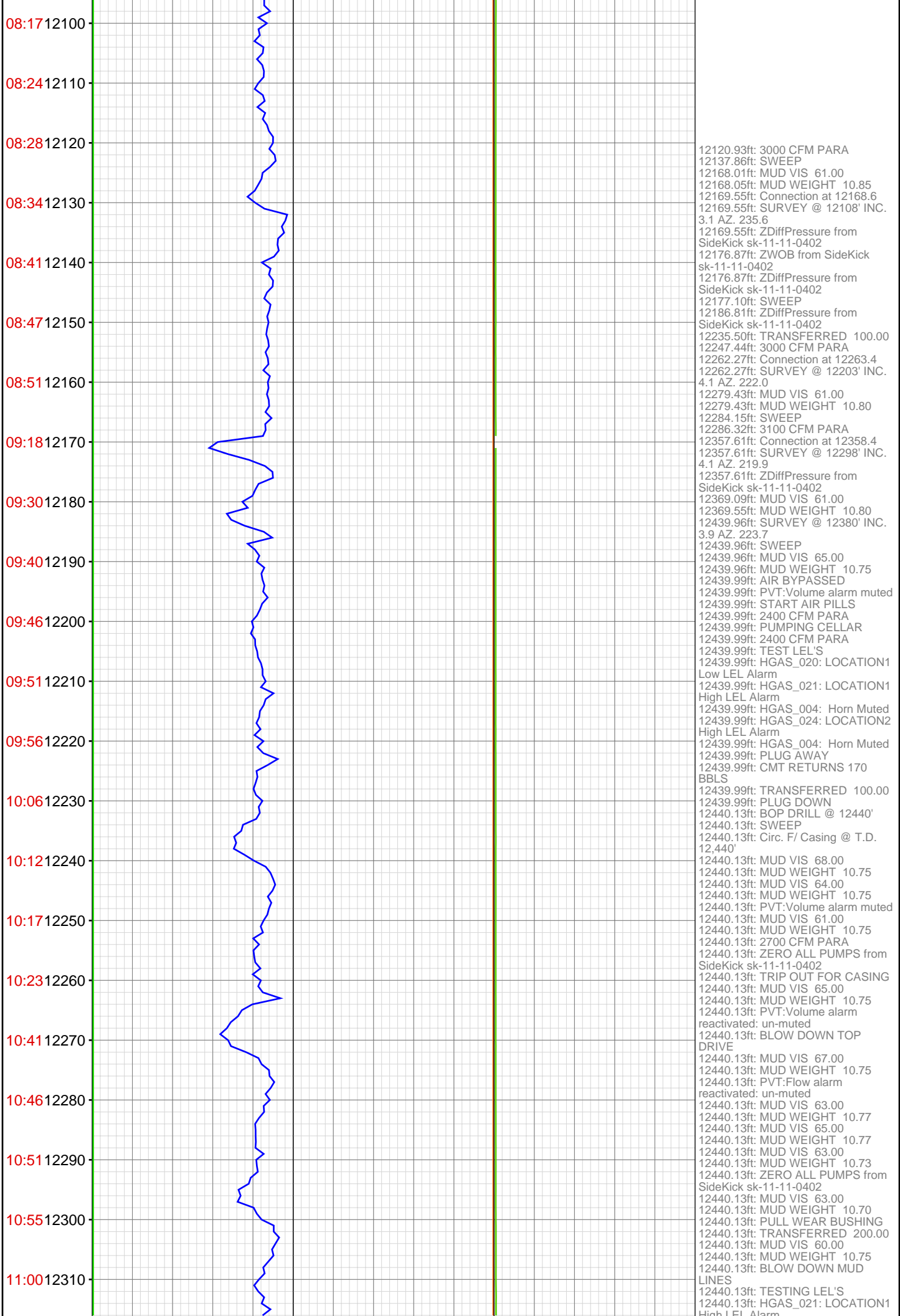
11788.98ft: Connection at 11788.8  
11788.98ft: SURVEY 11728 1.8 INC  
247.7 AZI  
11788.98ft: ZWOB from SideKick  
sk-11-11-0402  
11788.98ft: ZDiffPressure from  
SideKick sk-11-11-0402

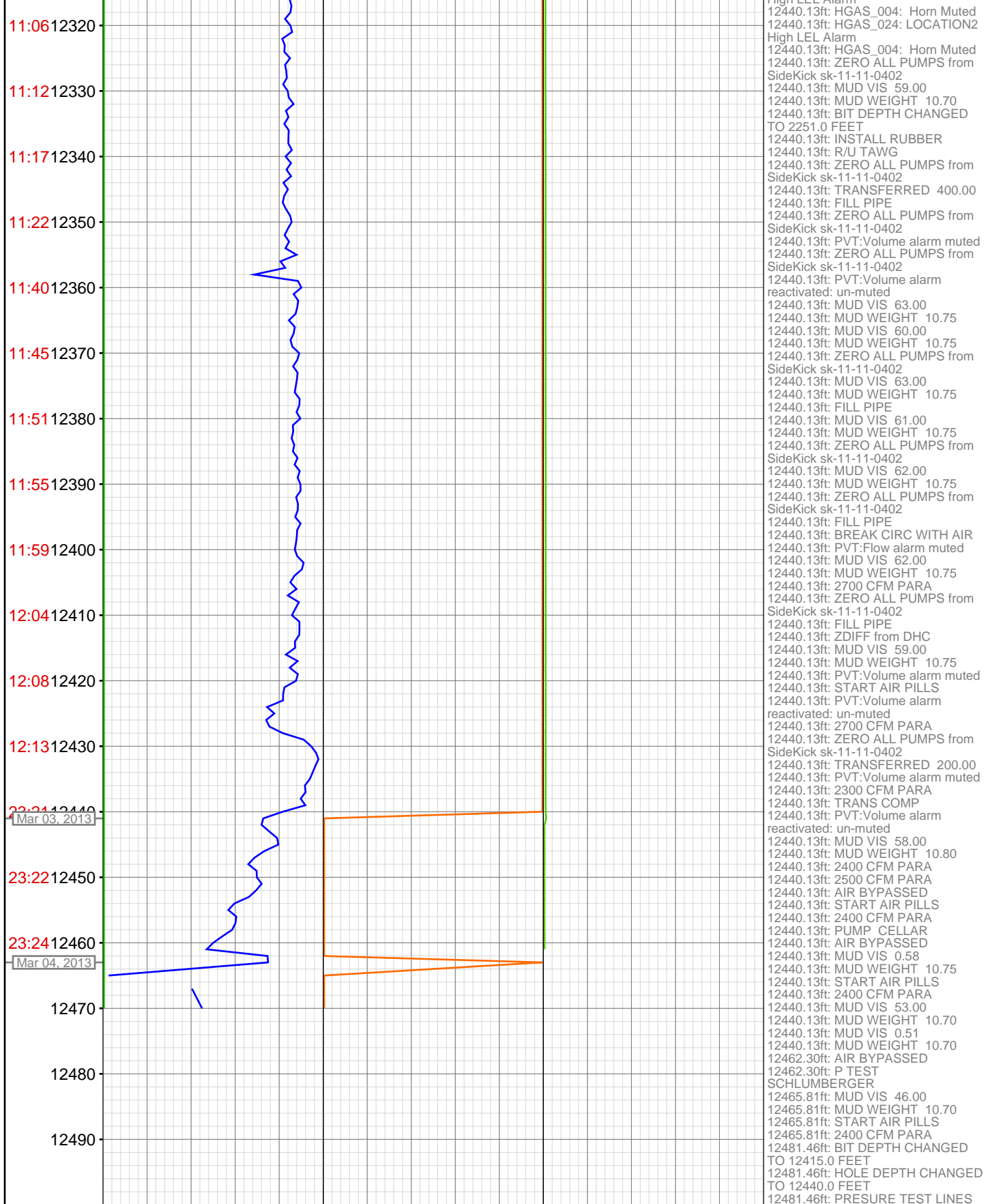
11808.89ft: SWEEP

11823.13ft: AIR PARA 3100

11856.86ft: MUD VIS 61.00  
11857.09ft: MUD WEIGHT 10.80  
11857.15ft: MUD PH 8.90







High LEL Alarm  
12440.13ft: HGAS\_004: Horn Muted  
12440.13ft: HGAS\_024: LOCATION2  
High LEL Alarm  
12440.13ft: HGAS\_004: Horn Muted  
12440.13ft: ZERO ALL PUMPS from  
SideKick sk-11-11-0402  
12440.13ft: MUD VIS 59.00  
12440.13ft: MUD WEIGHT 10.70  
12440.13ft: BIT DEPTH CHANGED  
TO 2251.0 FEET  
12440.13ft: INSTALL RUBBER  
12440.13ft: R/U TAWG  
12440.13ft: ZERO ALL PUMPS from  
SideKick sk-11-11-0402  
12440.13ft: TRANSFERRED 400.00  
12440.13ft: FILL PIPE  
12440.13ft: ZERO ALL PUMPS from  
SideKick sk-11-11-0402  
12440.13ft: PVT:Volume alarm muted  
12440.13ft: ZERO ALL PUMPS from  
SideKick sk-11-11-0402  
12440.13ft: PVT:Volume alarm  
reactivated: un-muted  
12440.13ft: MUD VIS 63.00  
12440.13ft: MUD WEIGHT 10.75  
12440.13ft: MUD VIS 60.00  
12440.13ft: MUD WEIGHT 10.75  
12440.13ft: ZERO ALL PUMPS from  
SideKick sk-11-11-0402  
12440.13ft: MUD VIS 63.00  
12440.13ft: MUD WEIGHT 10.75  
12440.13ft: FILL PIPE  
12440.13ft: MUD VIS 61.00  
12440.13ft: MUD WEIGHT 10.75  
12440.13ft: ZERO ALL PUMPS from  
SideKick sk-11-11-0402  
12440.13ft: MUD VIS 62.00  
12440.13ft: MUD WEIGHT 10.75  
12440.13ft: ZERO ALL PUMPS from  
SideKick sk-11-11-0402  
12440.13ft: FILL PIPE  
12440.13ft: BREAK CIRC WITH AIR  
12440.13ft: PVT:Flow alarm muted  
12440.13ft: MUD VIS 62.00  
12440.13ft: MUD WEIGHT 10.75  
12440.13ft: 2700 CFM PARA  
12440.13ft: ZERO ALL PUMPS from  
SideKick sk-11-11-0402  
12440.13ft: FILL PIPE  
12440.13ft: ZDIFF from DHC  
12440.13ft: MUD VIS 59.00  
12440.13ft: MUD WEIGHT 10.75  
12440.13ft: PVT:Volume alarm muted  
12440.13ft: START AIR PILLS  
12440.13ft: PVT:Volume alarm  
reactivated: un-muted  
12440.13ft: 2700 CFM PARA  
12440.13ft: ZERO ALL PUMPS from  
SideKick sk-11-11-0402  
12440.13ft: TRANSFERRED 200.00  
12440.13ft: PVT:Volume alarm muted  
12440.13ft: 2300 CFM PARA  
12440.13ft: TRANS COMP  
12440.13ft: PVT:Volume alarm  
reactivated: un-muted  
12440.13ft: MUD VIS 58.00  
12440.13ft: MUD WEIGHT 10.80  
12440.13ft: 2400 CFM PARA  
12440.13ft: 2500 CFM PARA  
12440.13ft: AIR BYPASSED  
12440.13ft: START AIR PILLS  
12440.13ft: 2400 CFM PARA  
12440.13ft: PUMP CELLAR  
12440.13ft: AIR BYPASSED  
12440.13ft: MUD VIS 0.58  
12440.13ft: MUD WEIGHT 10.75  
12440.13ft: START AIR PILLS  
12440.13ft: 2400 CFM PARA  
12440.13ft: MUD VIS 53.00  
12440.13ft: MUD WEIGHT 10.70  
12440.13ft: MUD VIS 0.51  
12440.13ft: MUD WEIGHT 10.70  
12462.30ft: AIR BYPASSED  
12462.30ft: P TEST  
SCHLUMBERGER  
12465.81ft: MUD VIS 46.00  
12465.81ft: MUD WEIGHT 10.70  
12465.81ft: START AIR PILLS  
12465.81ft: 2400 CFM PARA  
12481.46ft: BIT DEPTH CHANGED  
TO 12415.0 FEET  
12481.46ft: HOLE DEPTH CHANGED  
TO 12440.0 FEET  
12481.46ft: PRESURE TEST LINES