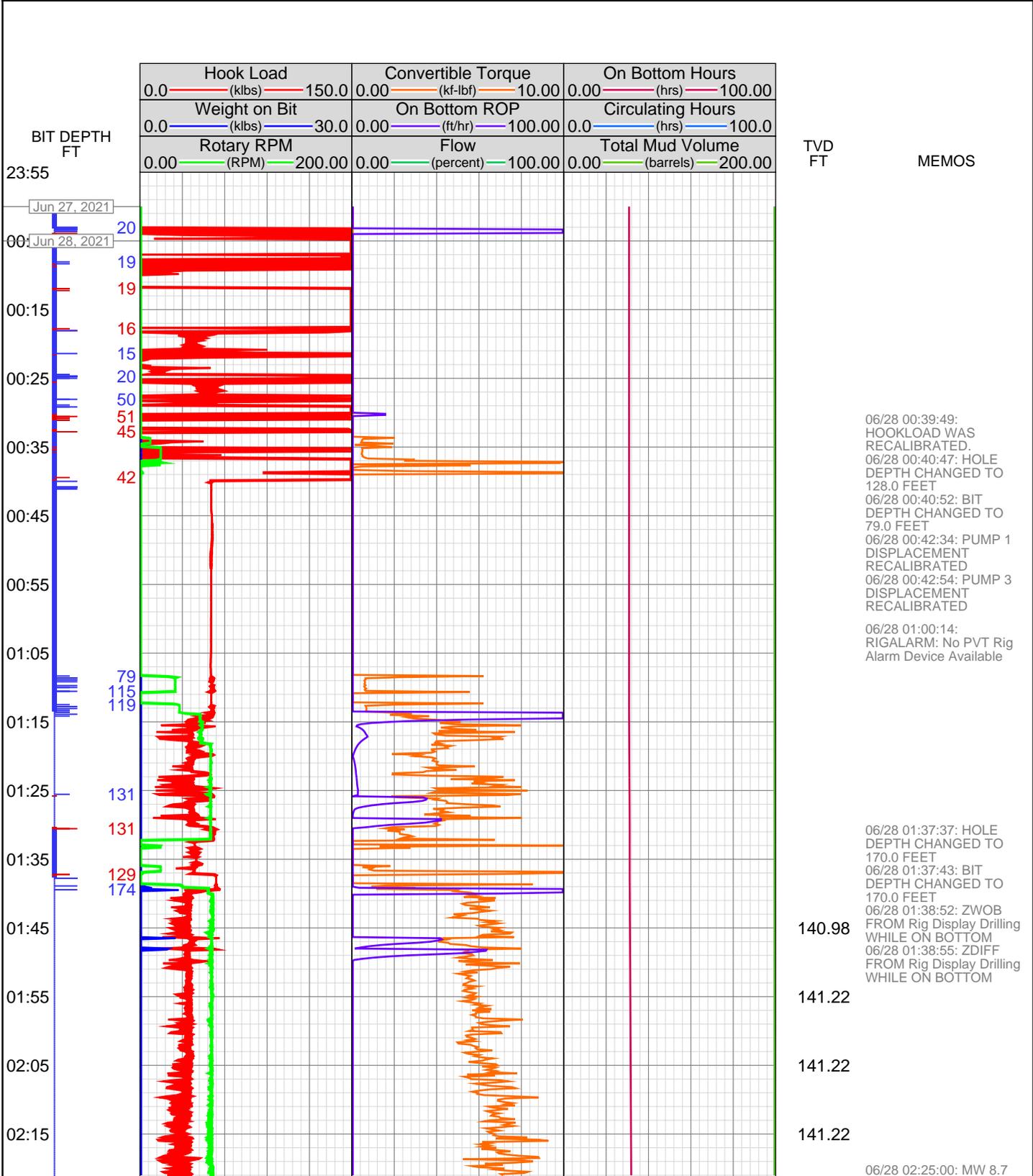
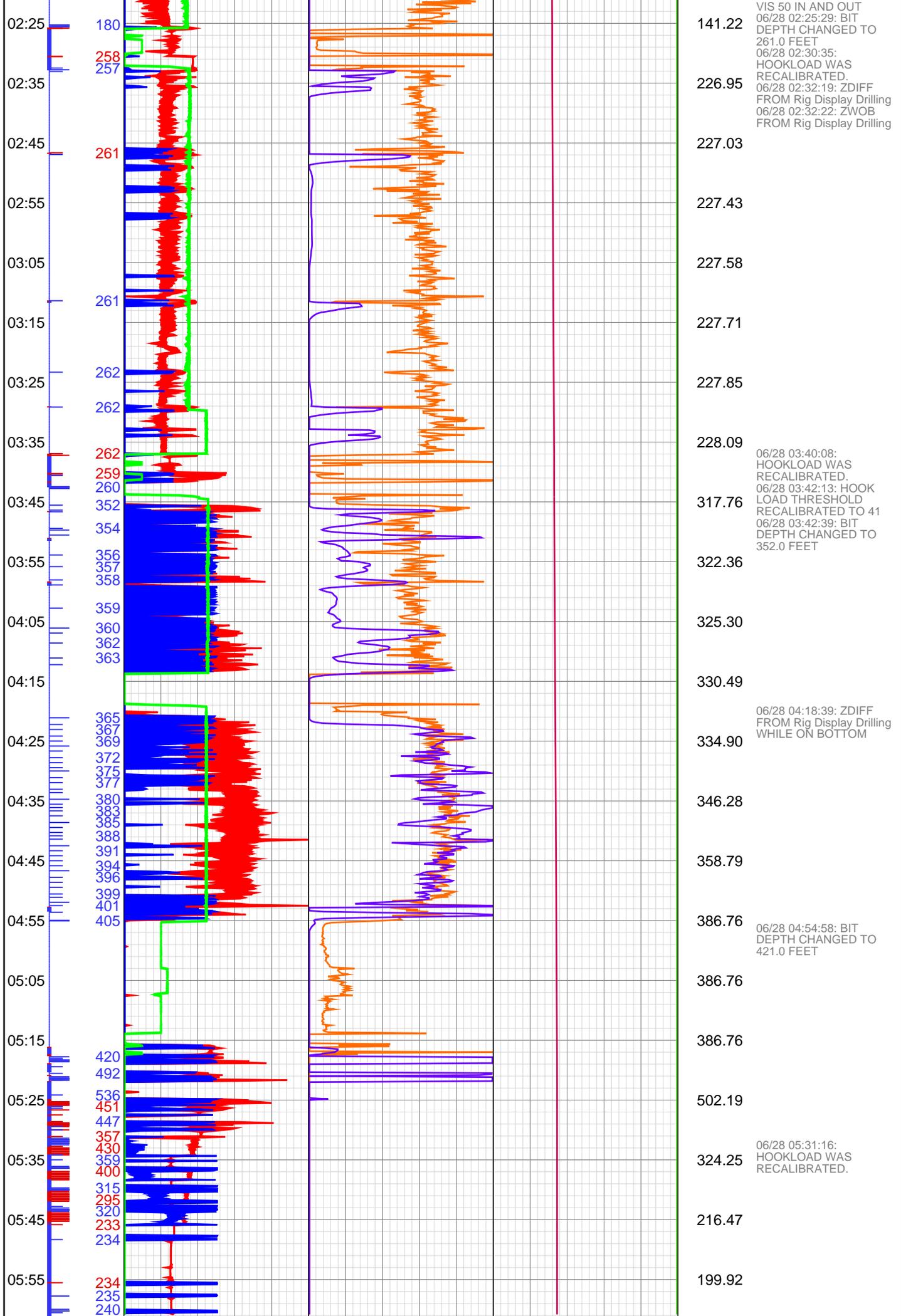


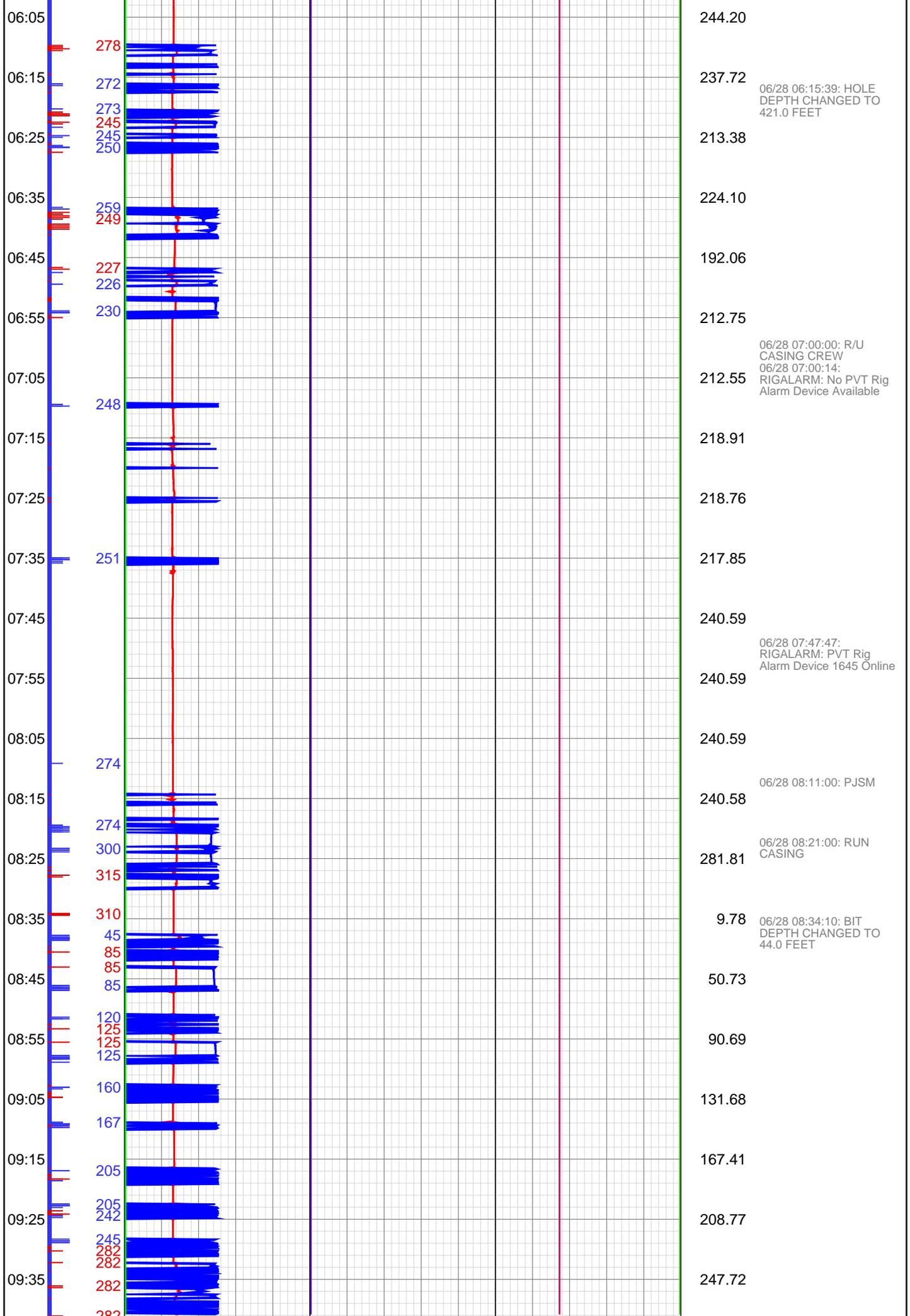
# DataHub EDR Log

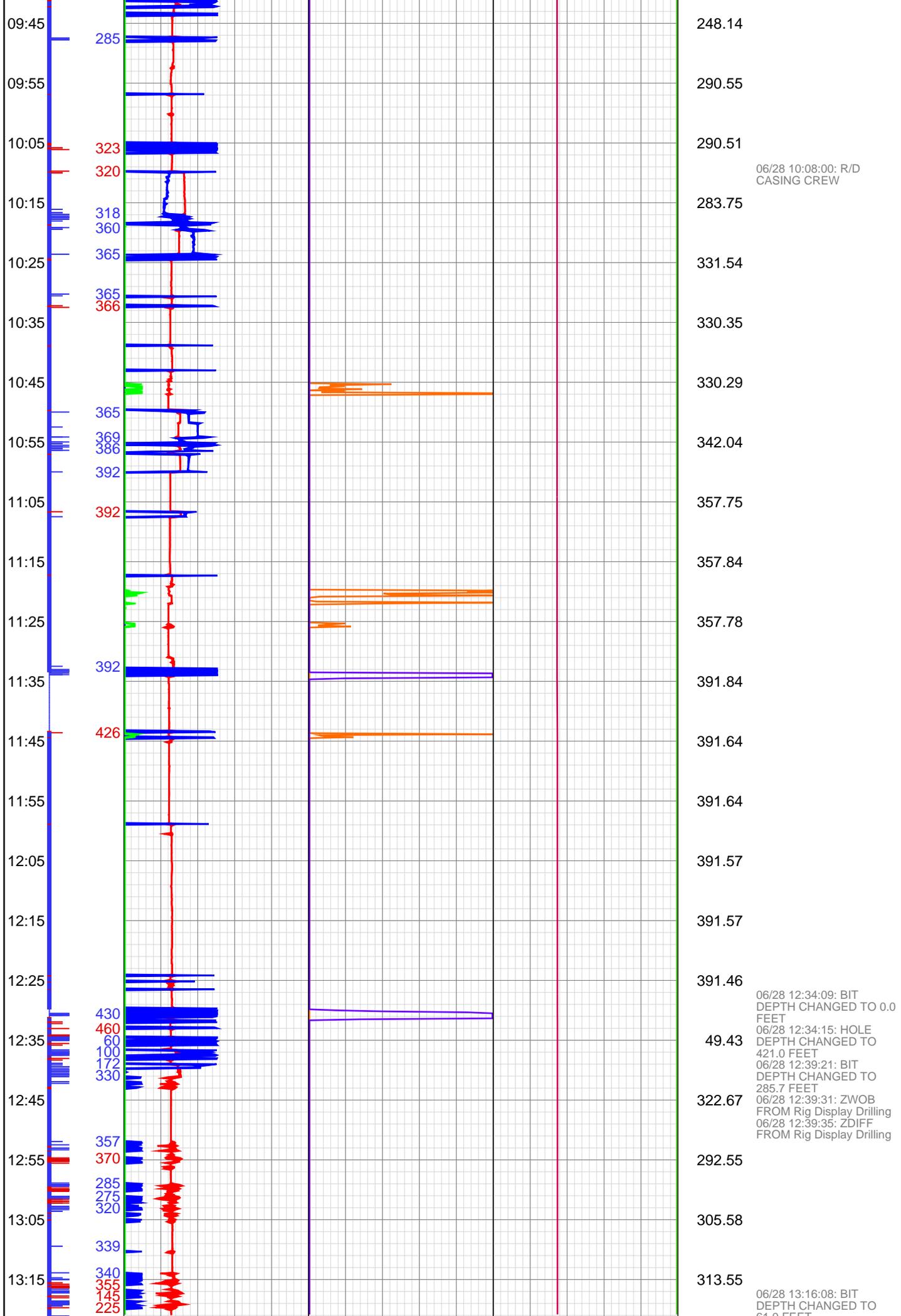
Mon Nov 22, 2021 16:59:15  
Well Dossier 27200701  
Gosia Skowron

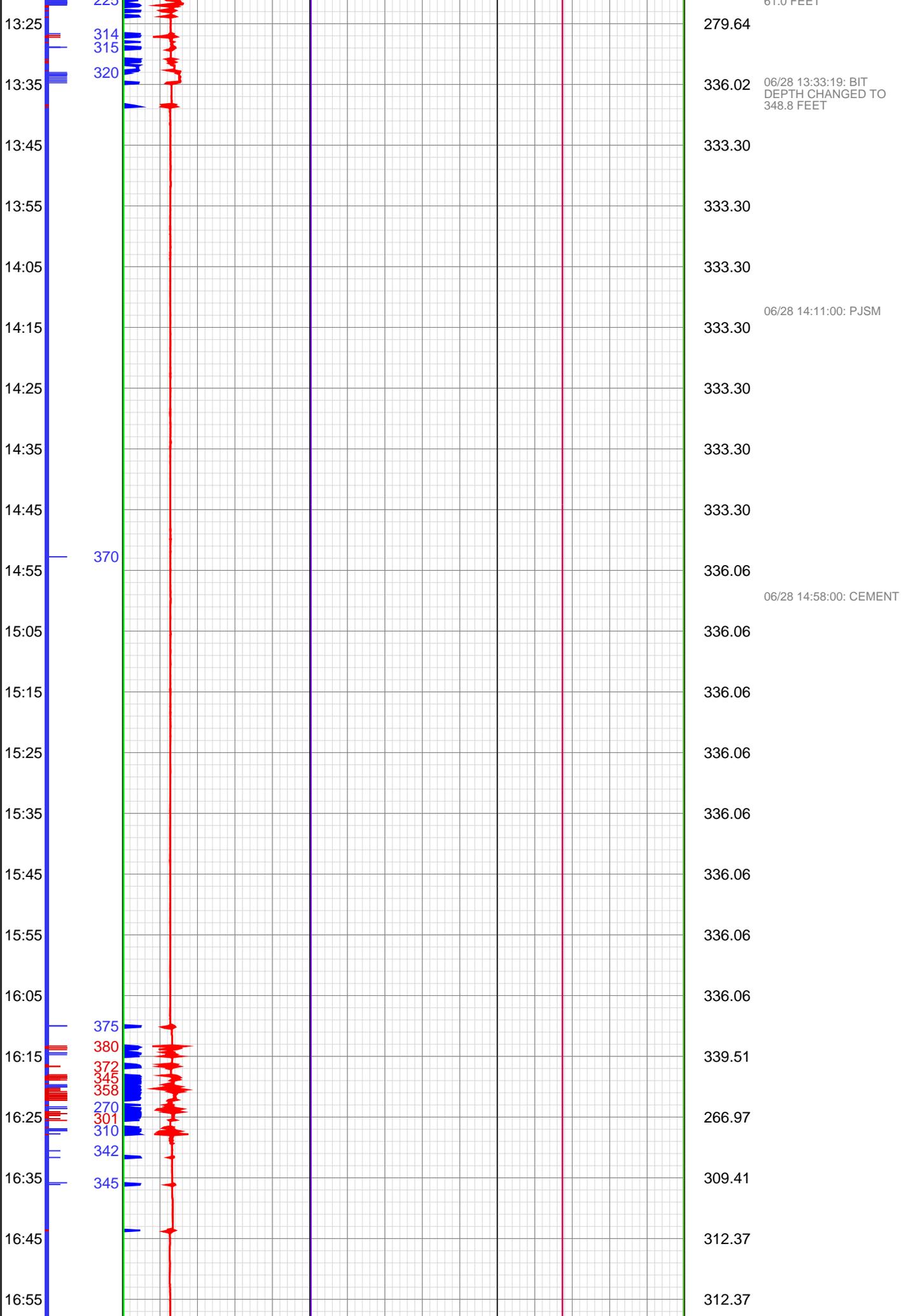
|                                     |   |
|-------------------------------------|---|
| <b>OPERATOR:</b> University of Utah | <b>CONTRACTOR:</b> Frontier Drilling (Utah) |
| <b>WELL:</b> 78 B-32 (WOO - 1)      | <b>UNIQUE WELL ID:</b>                      |
| <b>FIELD:</b> FORGE UTAH            | <b>SPUD DATE:</b> Jun 28, 2021 00:15        |
| <b>LOCATION:</b>                    | <b>RELEASE DATE:</b> Aug 01, 2021 00:00     |
| <b>COUNTRY:</b> USA                 | <b>FROM DATE:</b> Jun 28, 2021 00:00        |
| <b>RIG:</b> Frontier (Utah) 16      | <b>TO DATE:</b> Oct 27, 2021 23:59          |











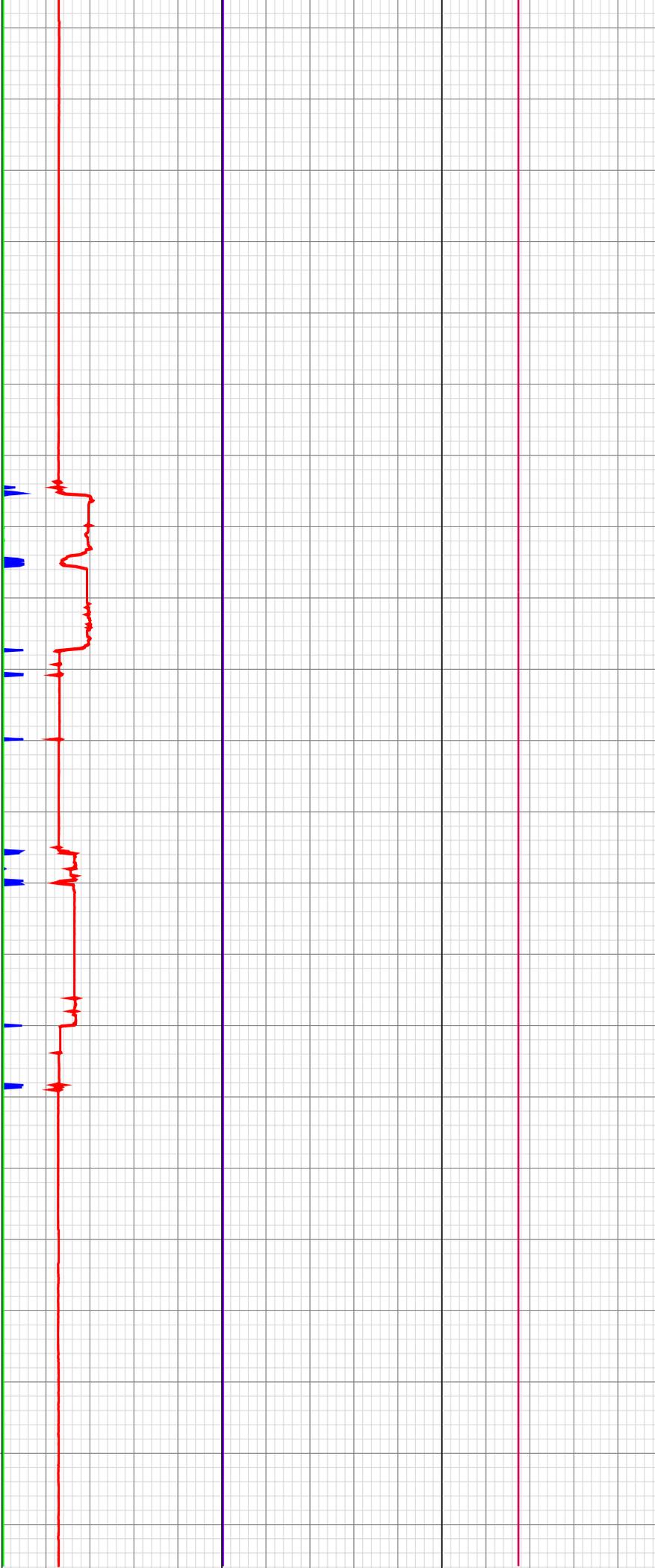


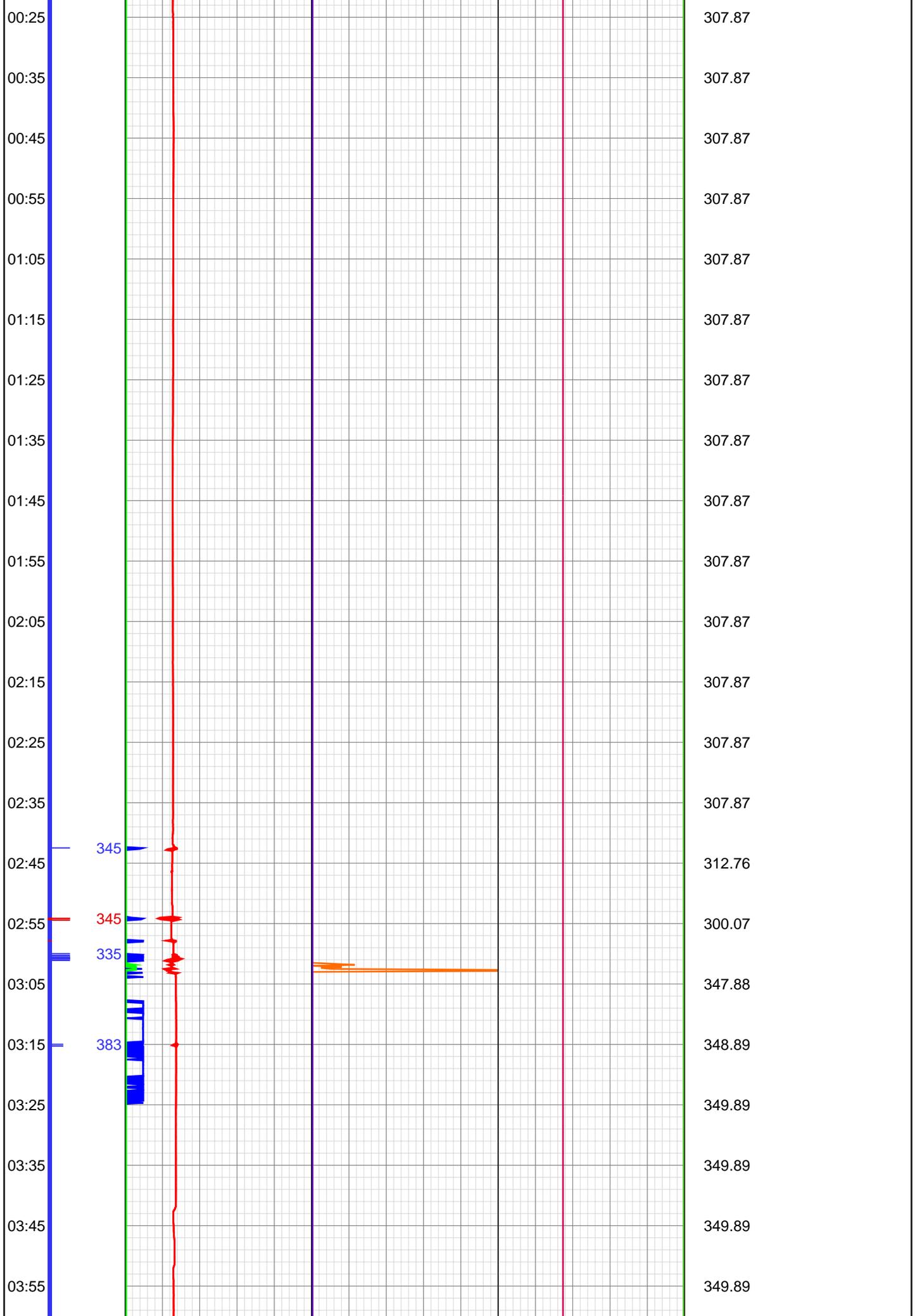
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320.80  
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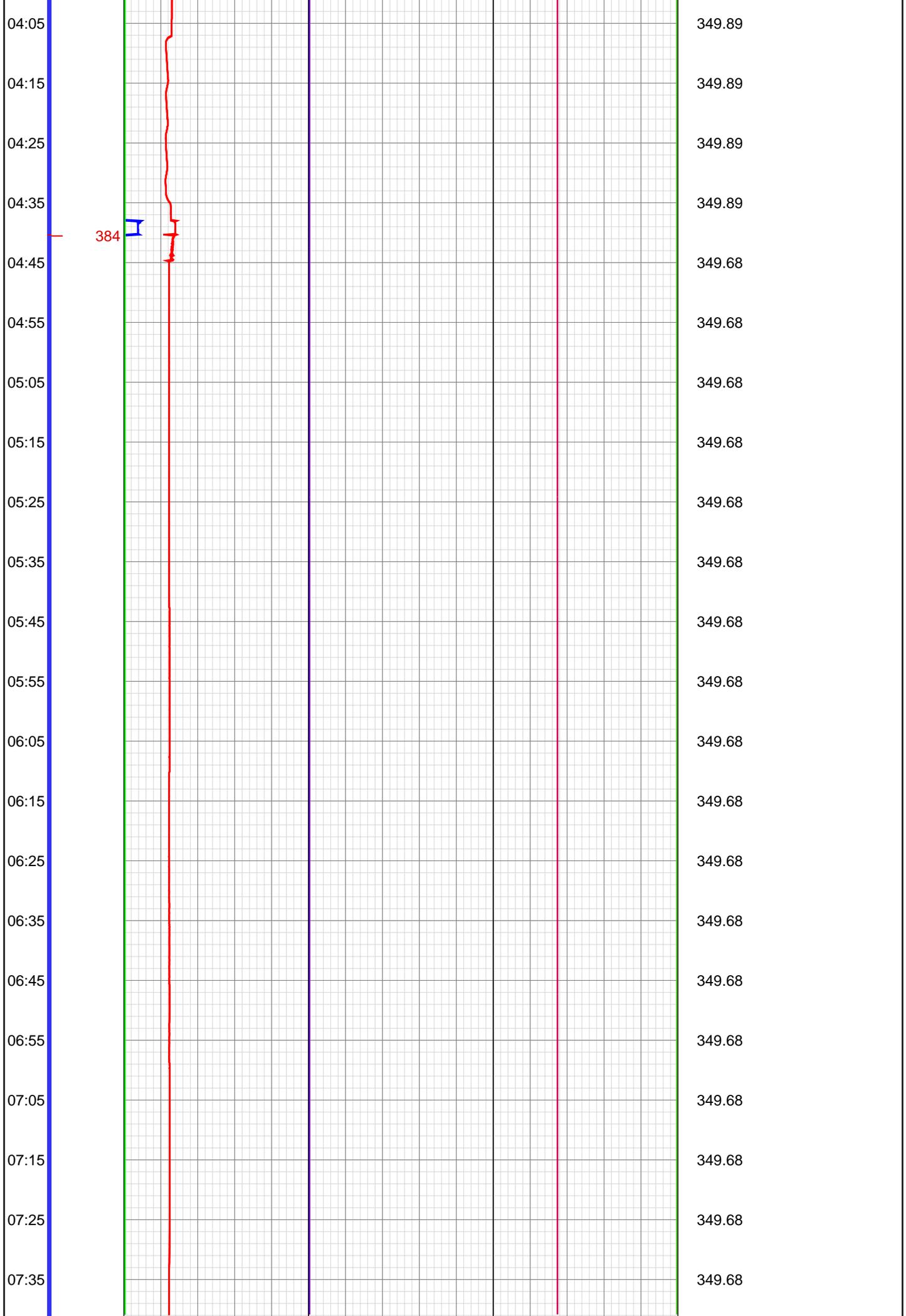
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Jun 29, 2021

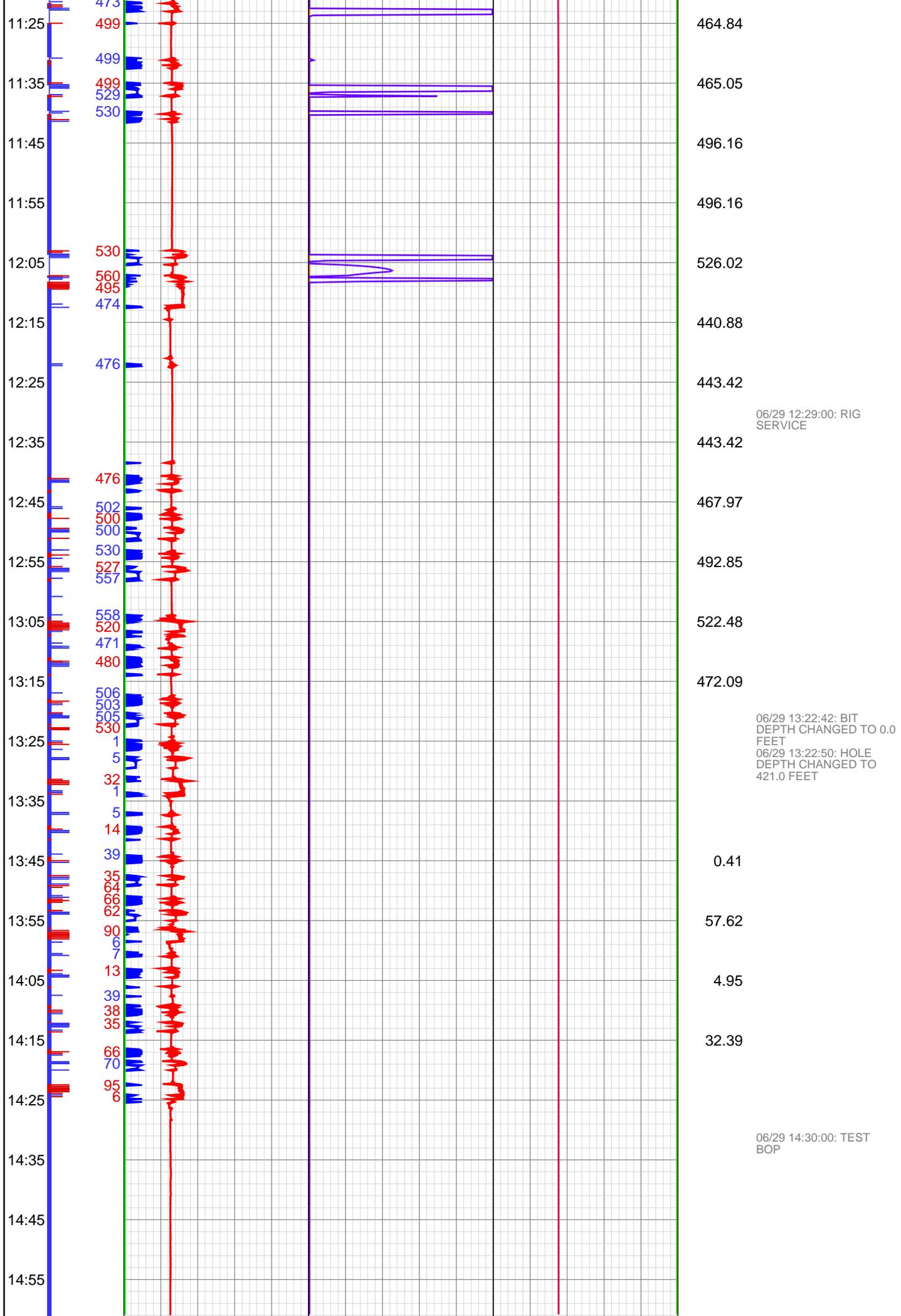


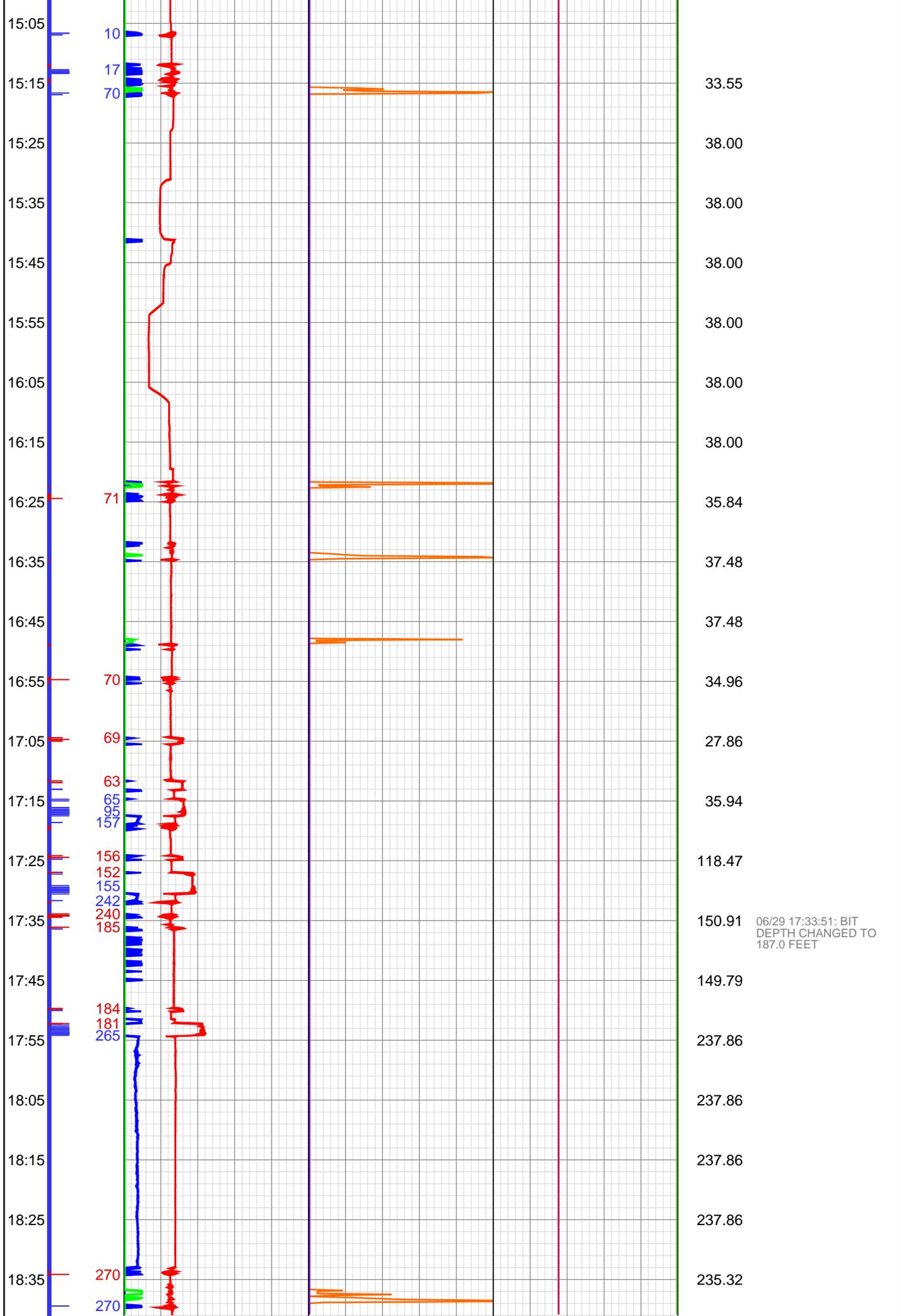


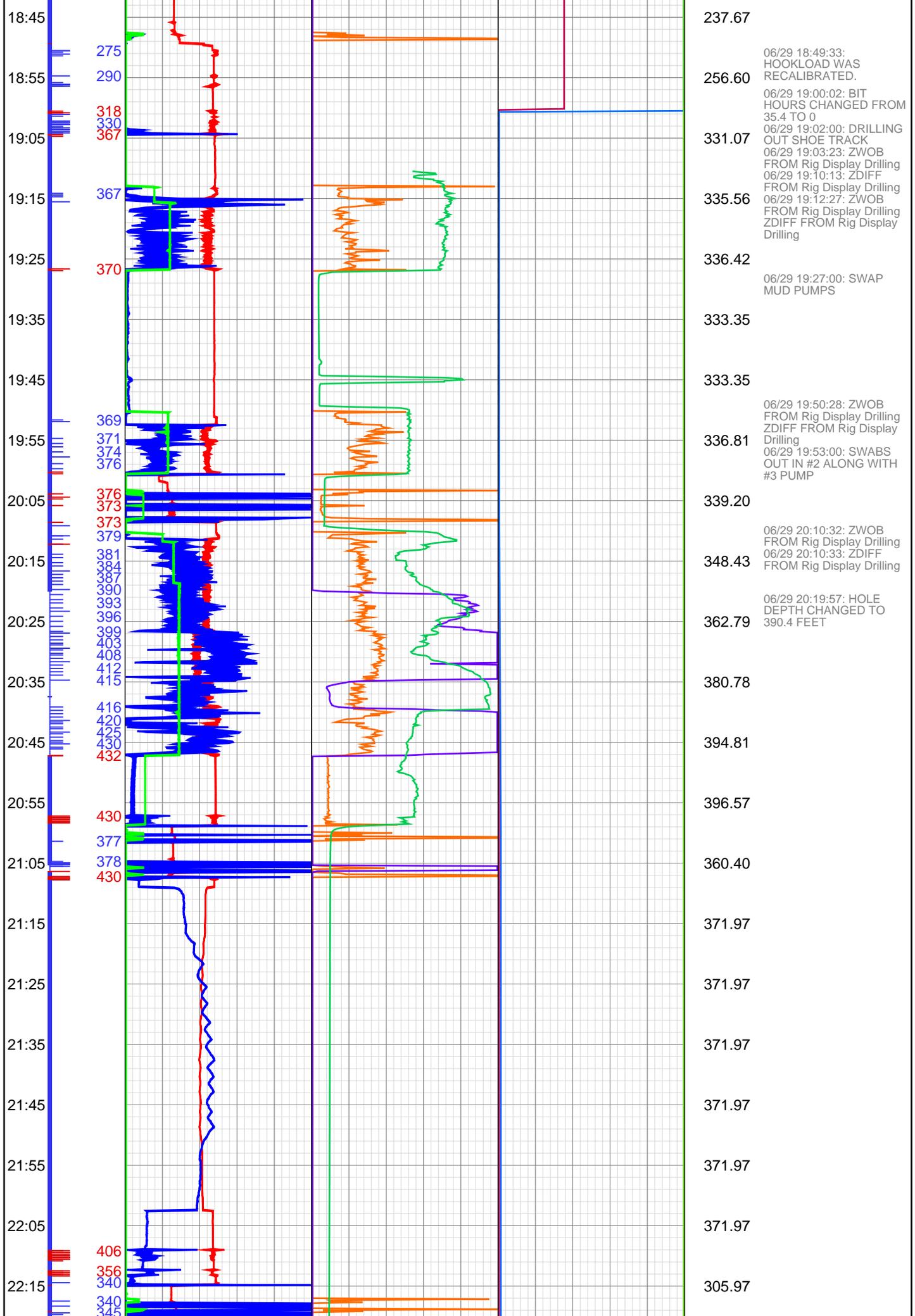


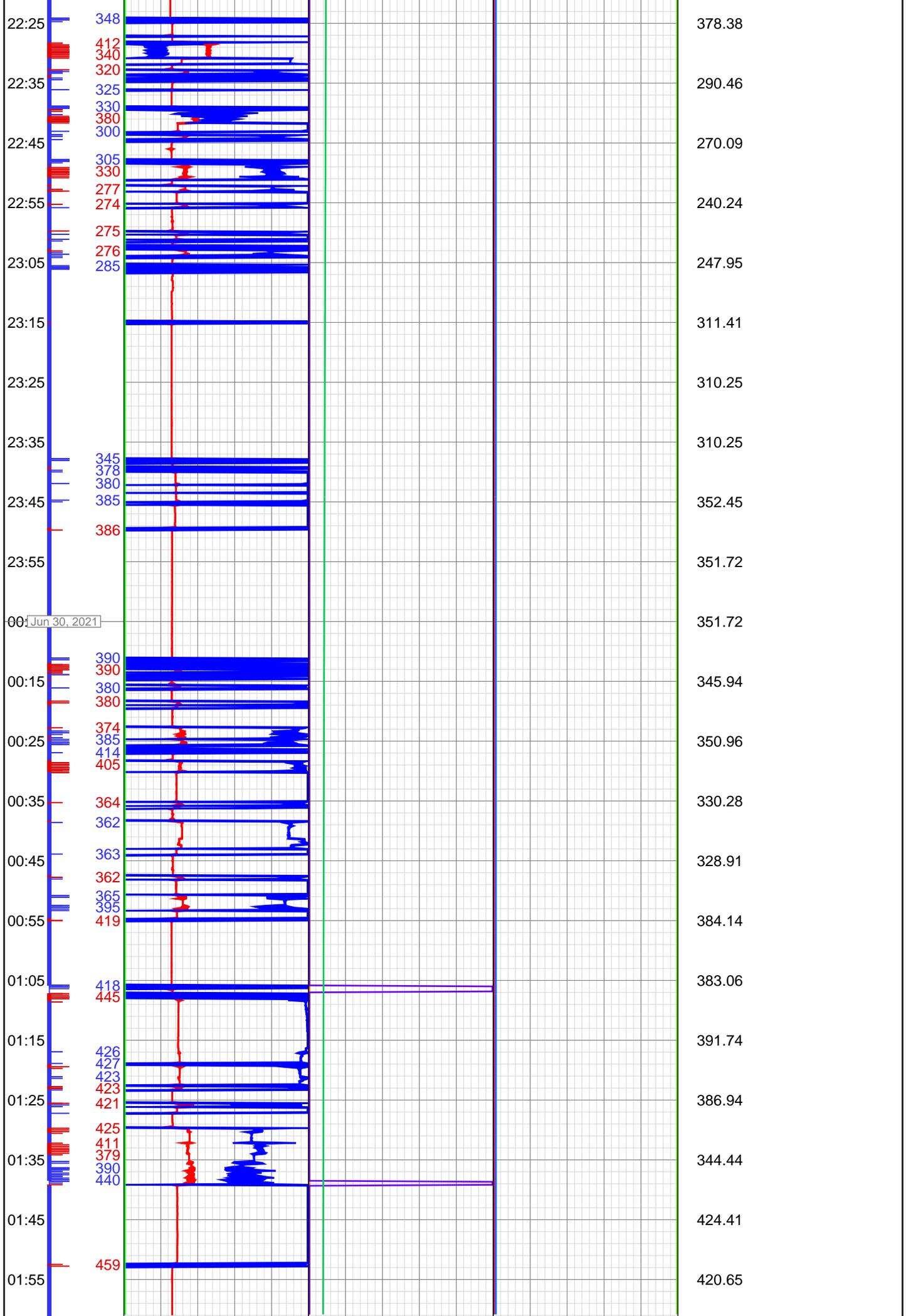


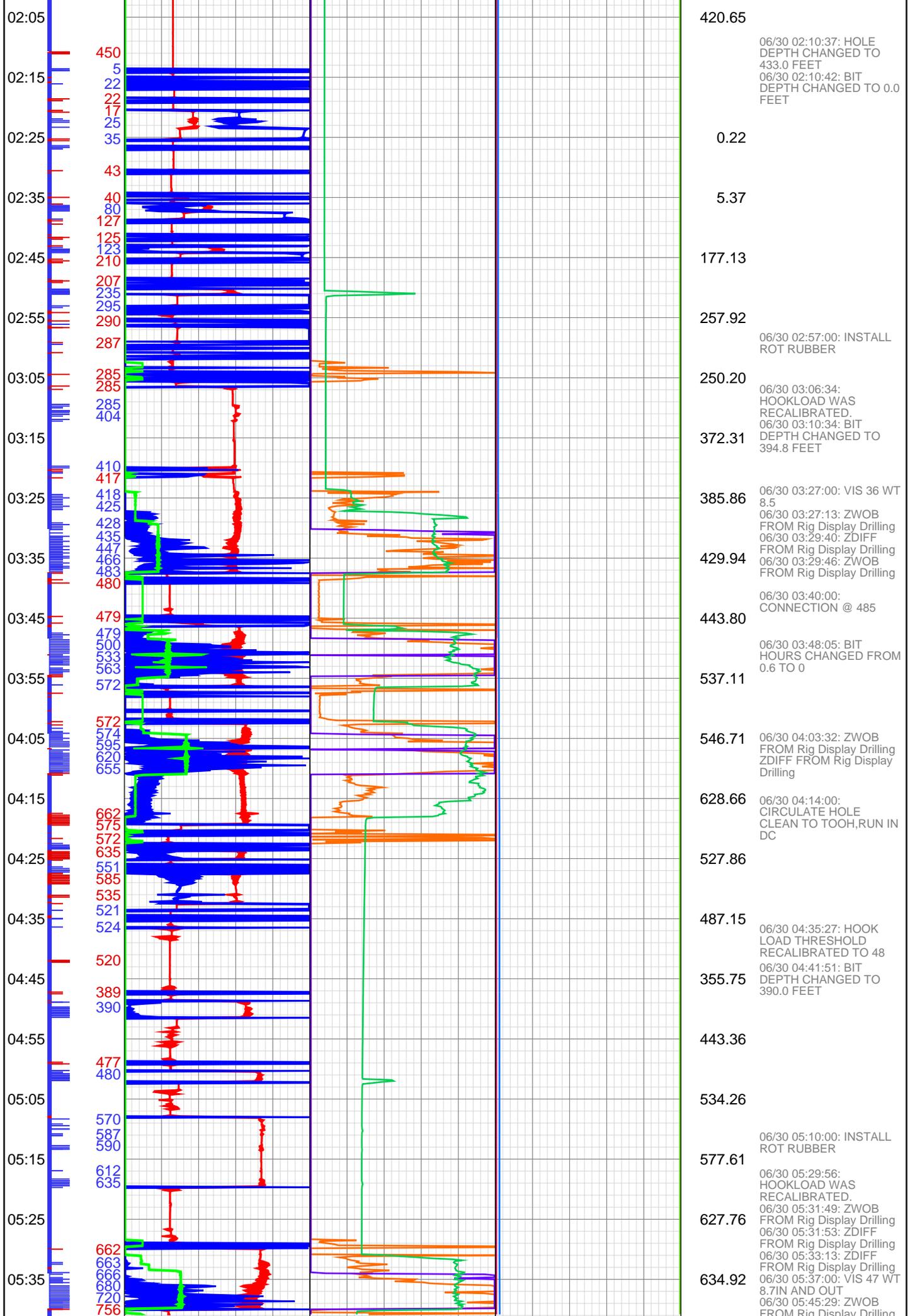












420.65

06/30 02:10:37: HOLE  
DEPTH CHANGED TO  
433.0 FEET  
06/30 02:10:42: BIT  
DEPTH CHANGED TO 0.0  
FEET

0.22

5.37

177.13

257.92

06/30 02:57:00: INSTALL  
ROT RUBBER

250.20

06/30 03:06:34:  
HOOKLOAD WAS  
RECALIBRATED.  
06/30 03:10:34: BIT  
DEPTH CHANGED TO  
394.8 FEET

372.31

385.86

06/30 03:27:00: VIS 36 WT  
8.5

429.94

06/30 03:27:13: ZWOB  
FROM Rig Display Drilling  
06/30 03:29:40: ZDIFF  
FROM Rig Display Drilling  
06/30 03:29:46: ZWOB  
FROM Rig Display Drilling

443.80

06/30 03:40:00:  
CONNECTION @ 485

537.11

06/30 03:48:05: BIT  
HOURS CHANGED FROM  
0.6 TO 0

546.71

06/30 04:03:32: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling

628.66

06/30 04:14:00:  
CIRCULATE HOLE  
CLEAN TO TOOH,RUN IN  
DC

527.86

487.15

06/30 04:35:27: HOOK  
LOAD THRESHOLD  
RECALIBRATED TO 48

355.75

06/30 04:41:51: BIT  
DEPTH CHANGED TO  
390.0 FEET

443.36

534.26

06/30 05:10:00: INSTALL  
ROT RUBBER

577.61

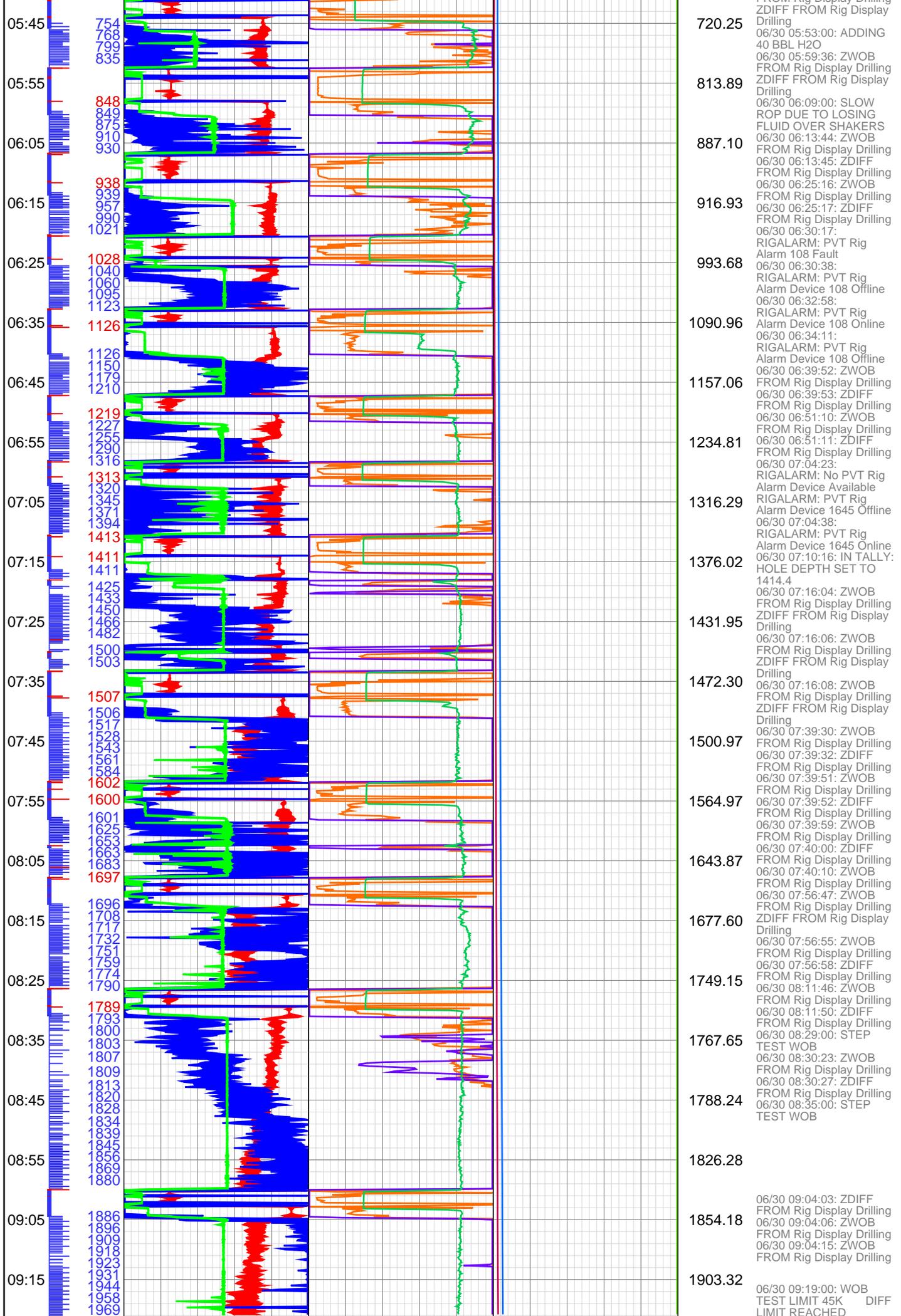
06/30 05:29:56:  
HOOKLOAD WAS  
RECALIBRATED.

627.76

06/30 05:31:49: ZWOB  
FROM Rig Display Drilling  
06/30 05:31:53: ZDIFF  
FROM Rig Display Drilling  
06/30 05:33:13: ZDIFF  
FROM Rig Display Drilling

634.92

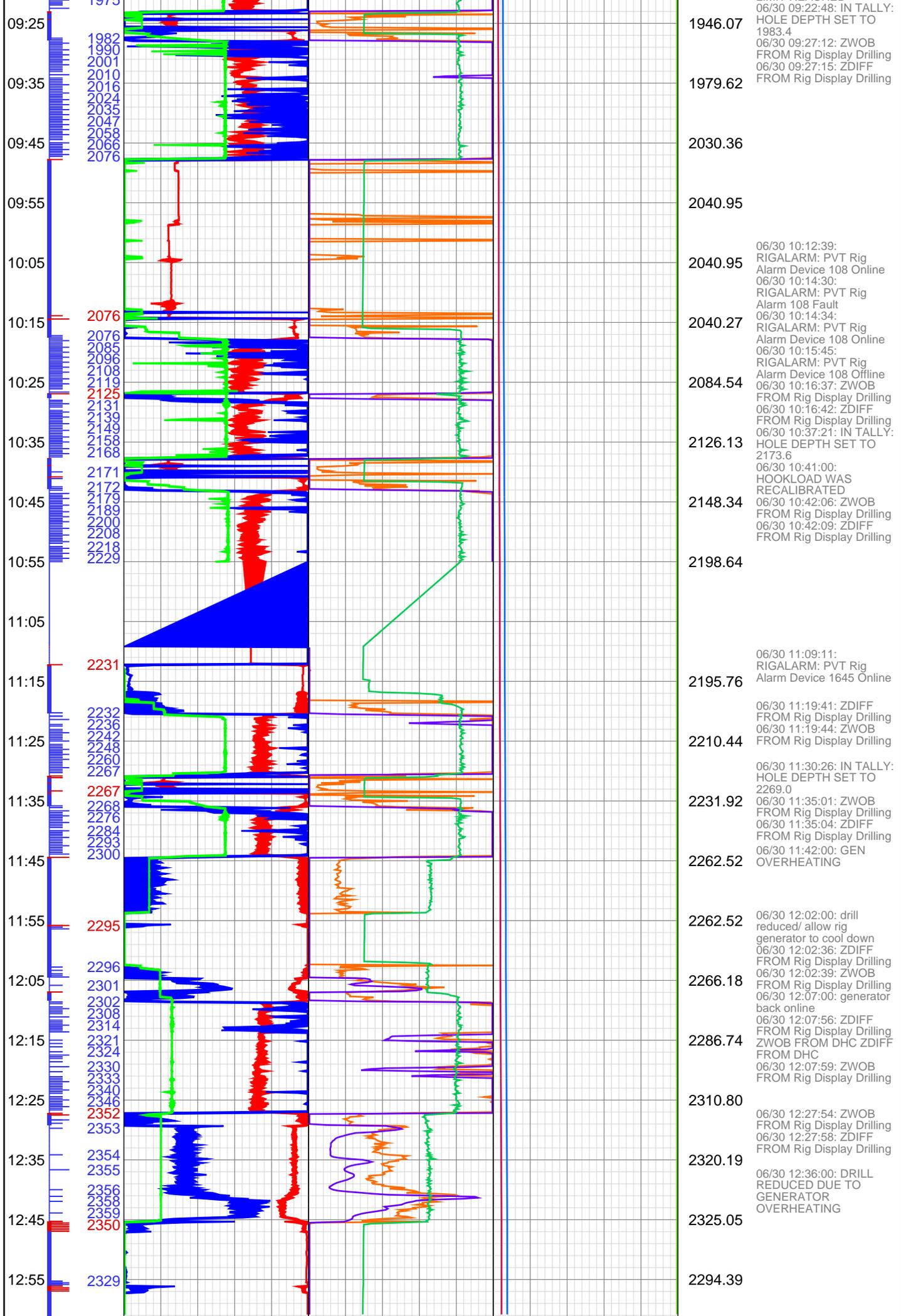
06/30 05:37:00: VIS 47 WT  
8.7IN AND OUT  
06/30 05:45:29: ZWOB  
FROM Rig Display Drilling

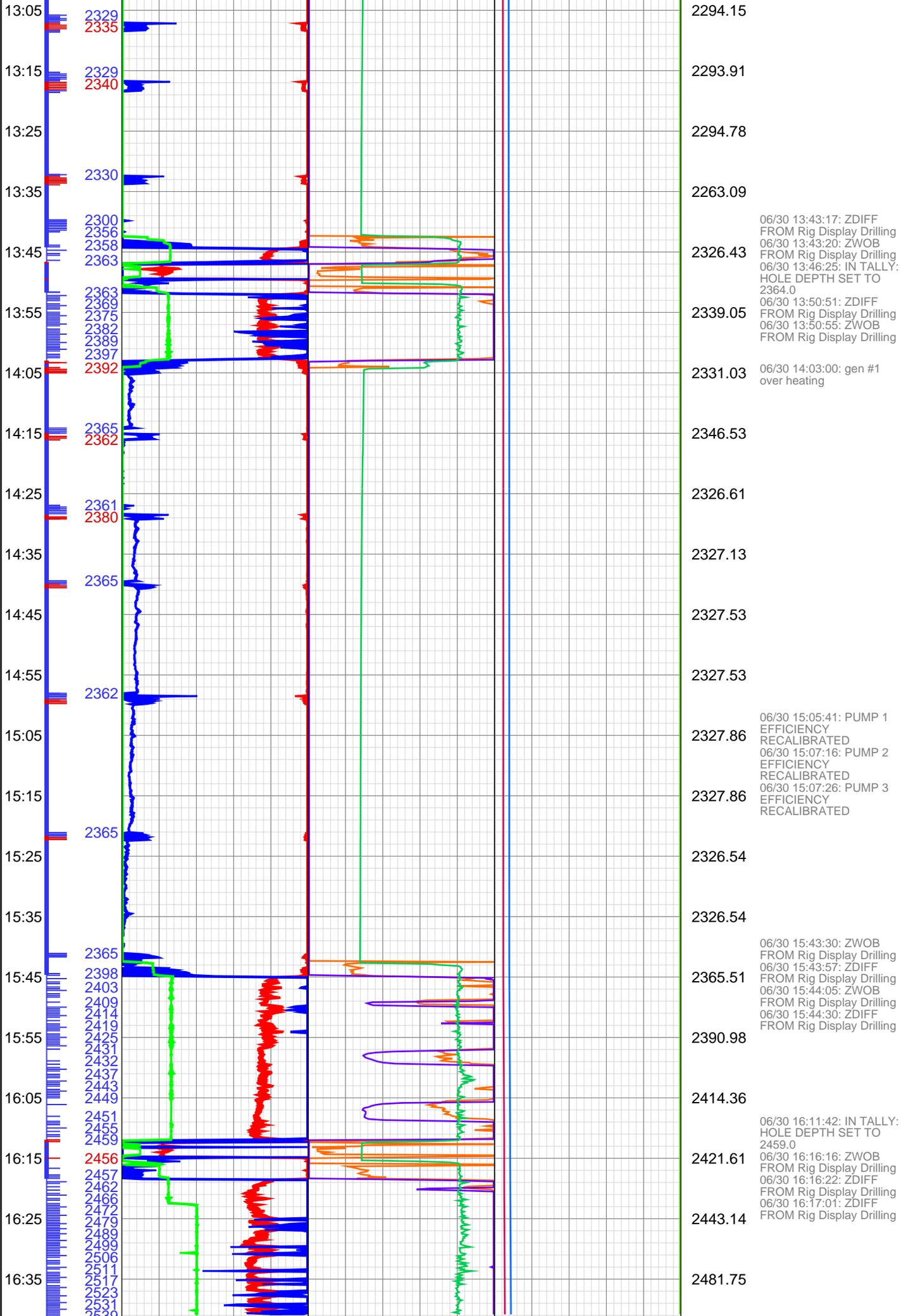


754  
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875  
910  
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939  
957  
990  
1021  
  
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1123  
  
1126  
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1909  
1918  
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1931  
1944  
1958  
1969

720.25  
ZDIFF FROM Rig Display  
Drilling  
06/30 05:53:00: ADDING  
40 BBL H2O  
06/30 05:59:36: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
813.89  
06/30 06:09:00: SLOW  
ROP DUE TO LOSING  
FLUID OVER SHAKERS  
06/30 06:13:44: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
887.10  
06/30 06:13:45: ZDIFF  
FROM Rig Display Drilling  
06/30 06:25:16: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
916.93  
06/30 06:25:17: ZDIFF  
FROM Rig Display Drilling  
06/30 06:30:17:  
RIGALARM: PVT Rig  
Alarm 108 Fault  
06/30 06:30:38:  
RIGALARM: PVT Rig  
Alarm Device 108 Offline  
06/30 06:32:58:  
RIGALARM: PVT Rig  
Alarm Device 108 Online  
06/30 06:34:11:  
RIGALARM: PVT Rig  
Alarm Device 108 Offline  
06/30 06:39:52: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
993.68  
06/30 06:39:53: ZDIFF  
FROM Rig Display Drilling  
06/30 06:51:10: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
1090.96  
06/30 06:51:11: ZDIFF  
FROM Rig Display Drilling  
06/30 07:04:23:  
RIGALARM: No PVT Rig  
Alarm Device Available  
RIGALARM: PVT Rig  
Alarm Device 1645 Offline  
06/30 07:04:38:  
RIGALARM: PVT Rig  
Alarm Device 1645 Online  
06/30 07:10:16: IN TALLY:  
HOLE DEPTH SET TO  
1414.4  
06/30 07:16:04: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
1157.06  
06/30 07:16:06: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
1234.81  
06/30 07:16:08: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
1316.29  
06/30 07:39:30: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
1376.02  
06/30 07:39:32: ZDIFF  
FROM Rig Display Drilling  
06/30 07:39:51: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
1431.95  
06/30 07:39:52: ZDIFF  
FROM Rig Display Drilling  
06/30 07:39:59: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
1472.30  
06/30 07:40:00: ZDIFF  
FROM Rig Display Drilling  
06/30 07:40:10: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
1500.97  
06/30 07:56:47: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
1564.97  
06/30 07:56:55: ZWOB  
FROM Rig Display Drilling  
06/30 07:56:58: ZDIFF  
FROM Rig Display Drilling  
06/30 08:11:46: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
1643.87  
06/30 08:11:50: ZDIFF  
FROM Rig Display Drilling  
06/30 08:29:00: STEP  
TEST WOB  
06/30 08:30:23: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
1677.60  
06/30 08:30:27: ZDIFF  
FROM Rig Display Drilling  
06/30 08:35:00: STEP  
TEST WOB  
1749.15  
1767.65  
1788.24  
1826.28  
06/30 09:04:03: ZDIFF  
FROM Rig Display Drilling  
06/30 09:04:06: ZWOB  
FROM Rig Display Drilling  
06/30 09:04:15: ZWOB  
FROM Rig Display Drilling  
1854.18  
1903.32  
06/30 09:19:00: WOB  
TEST LIMIT 45K DIFF  
LIMIT REACHED

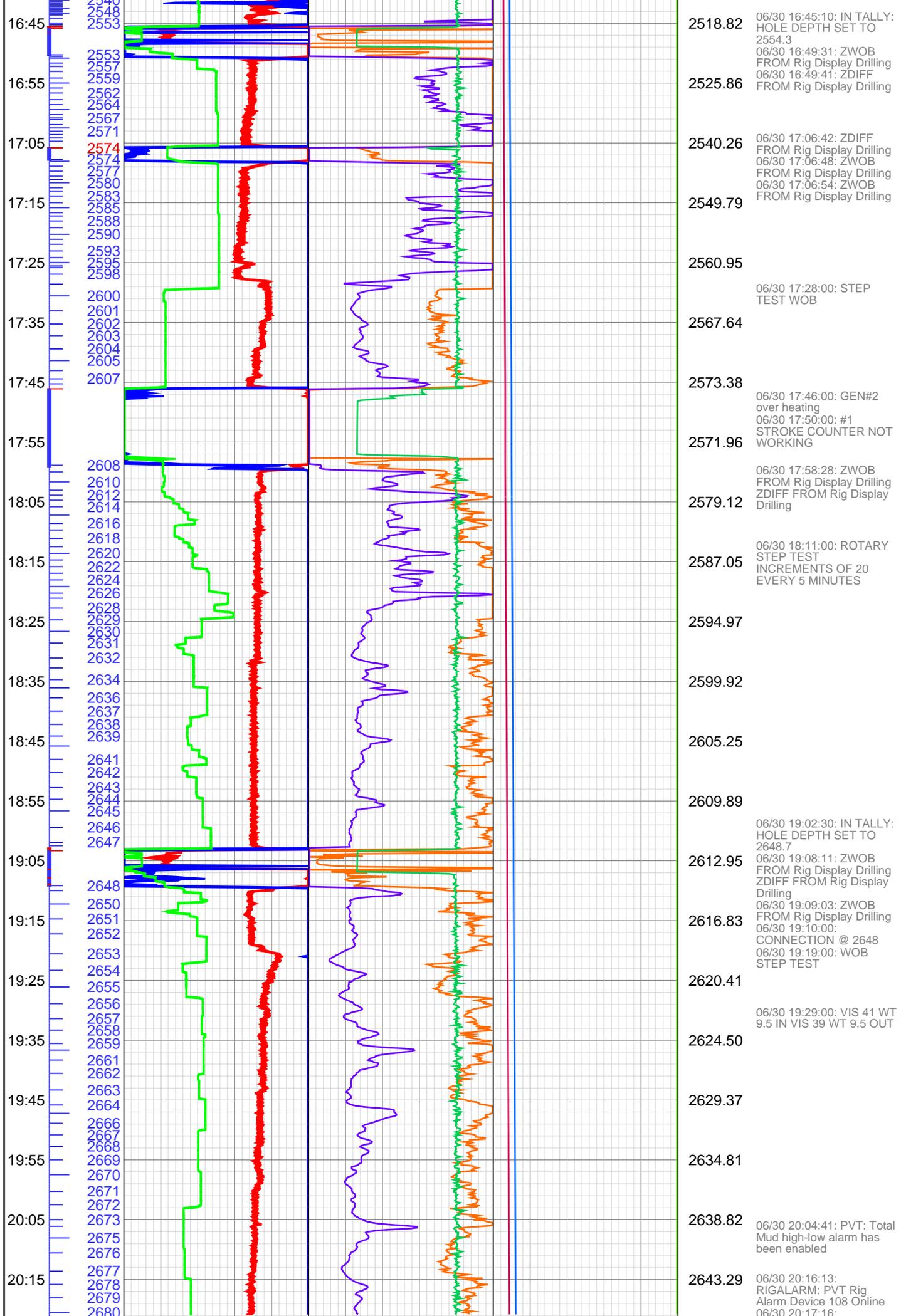


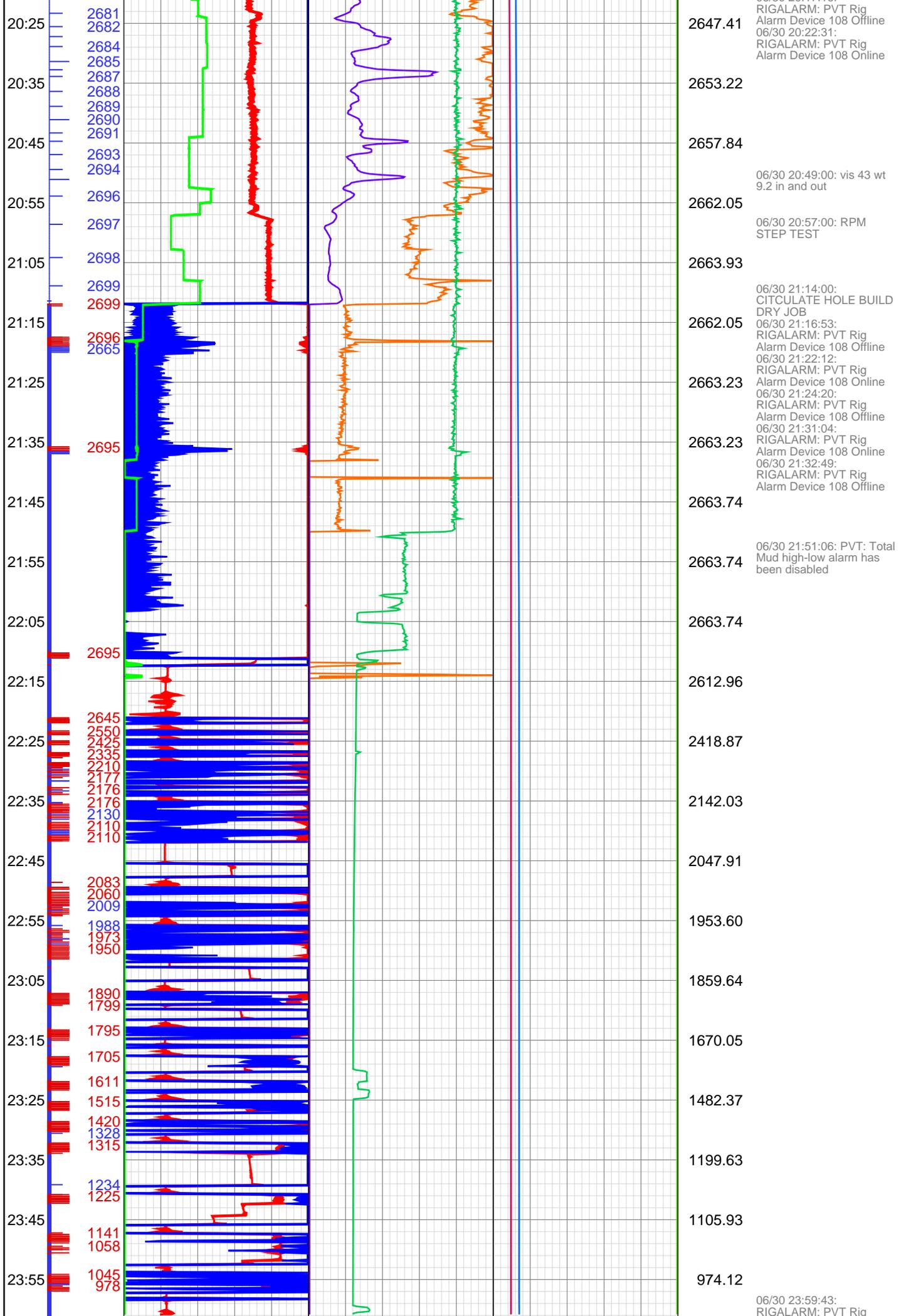


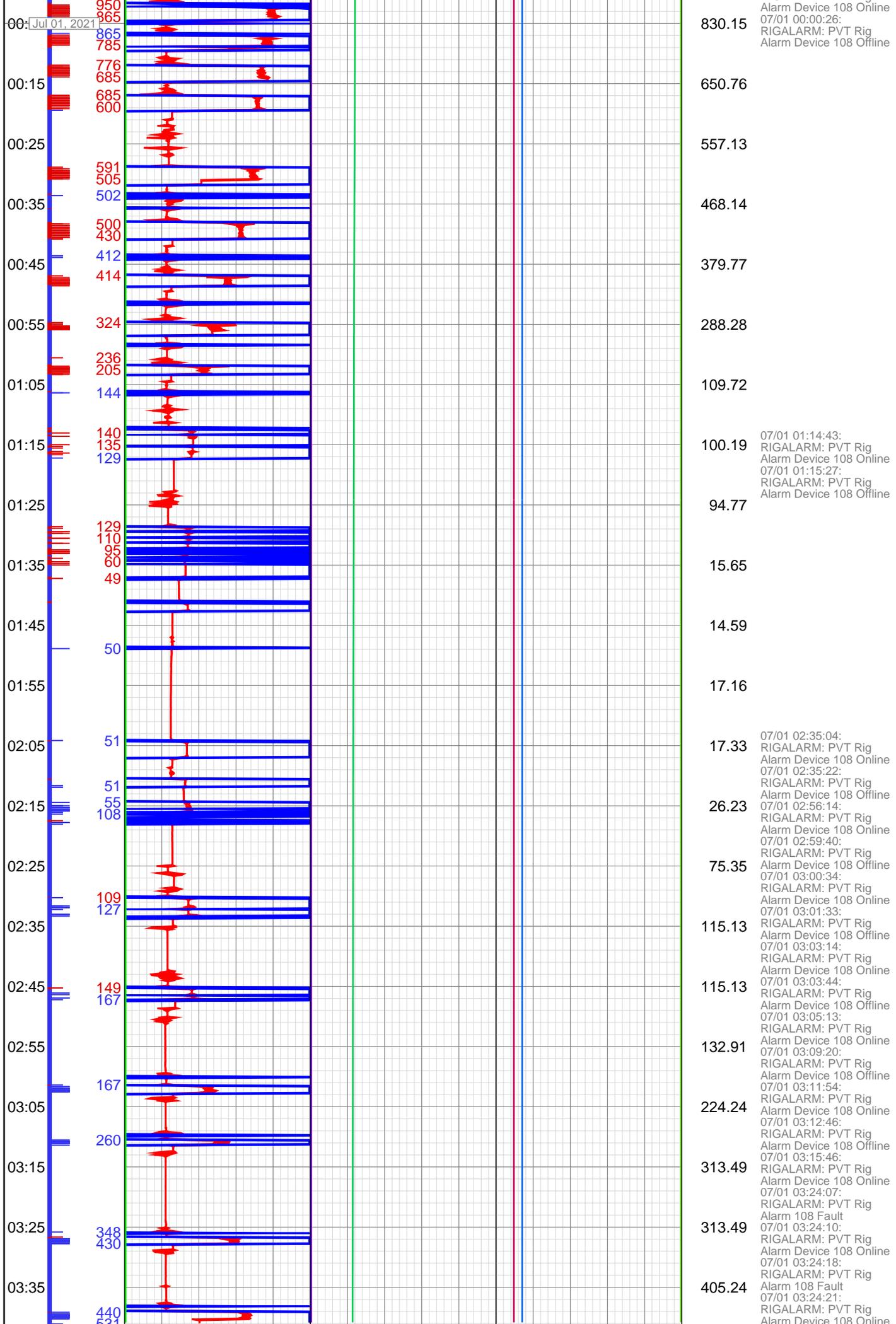


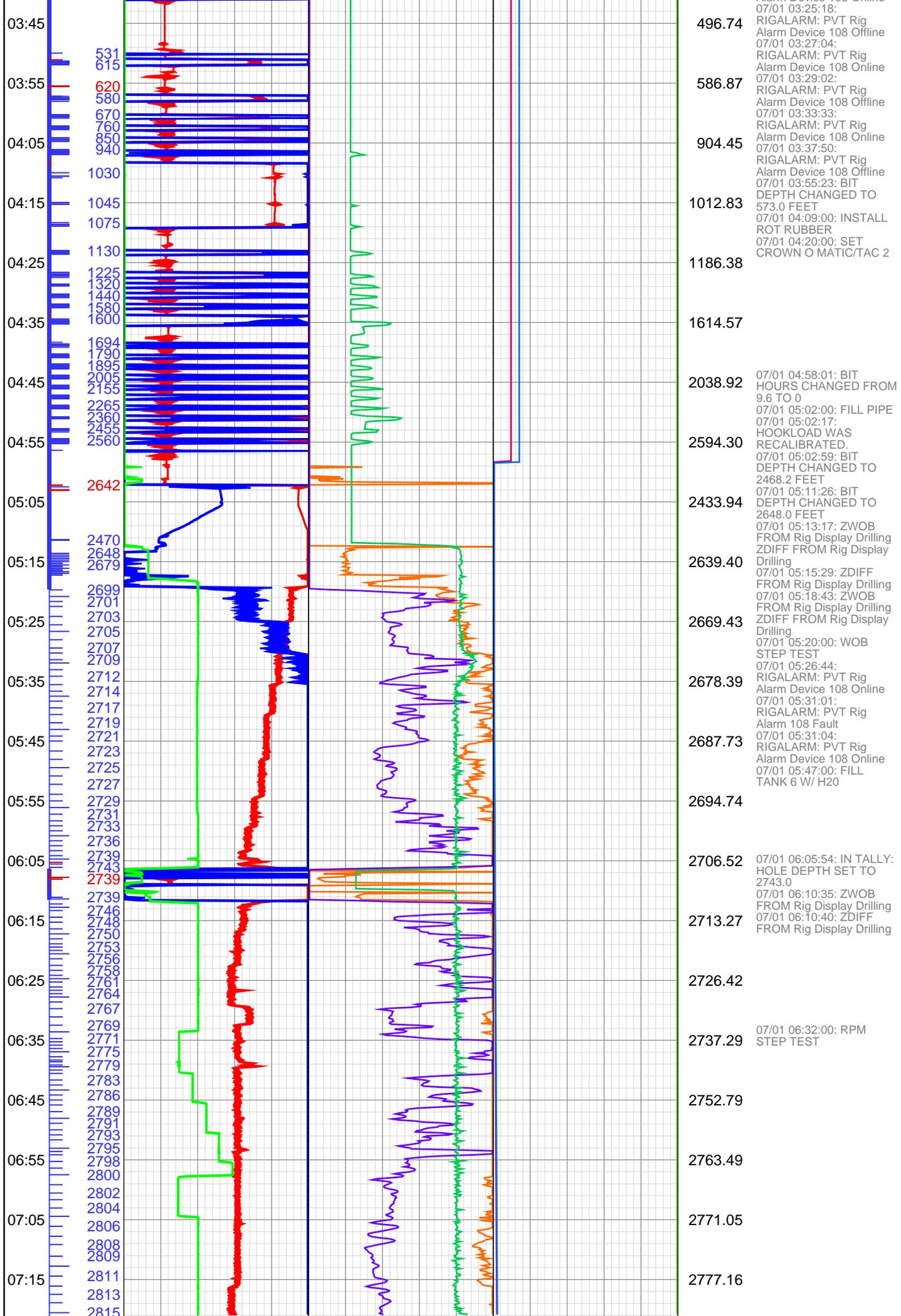
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2506  
2511  
2517  
2523  
2531  
2530

2294.15  
2293.91  
2294.78  
2263.09  
2326.43  
2339.05  
2331.03  
2346.53  
2326.61  
2327.13  
2327.53  
2327.53  
2327.86  
2327.86  
2326.54  
2326.54  
2365.51  
2390.98  
2414.36  
2421.61  
2443.14  
2481.75



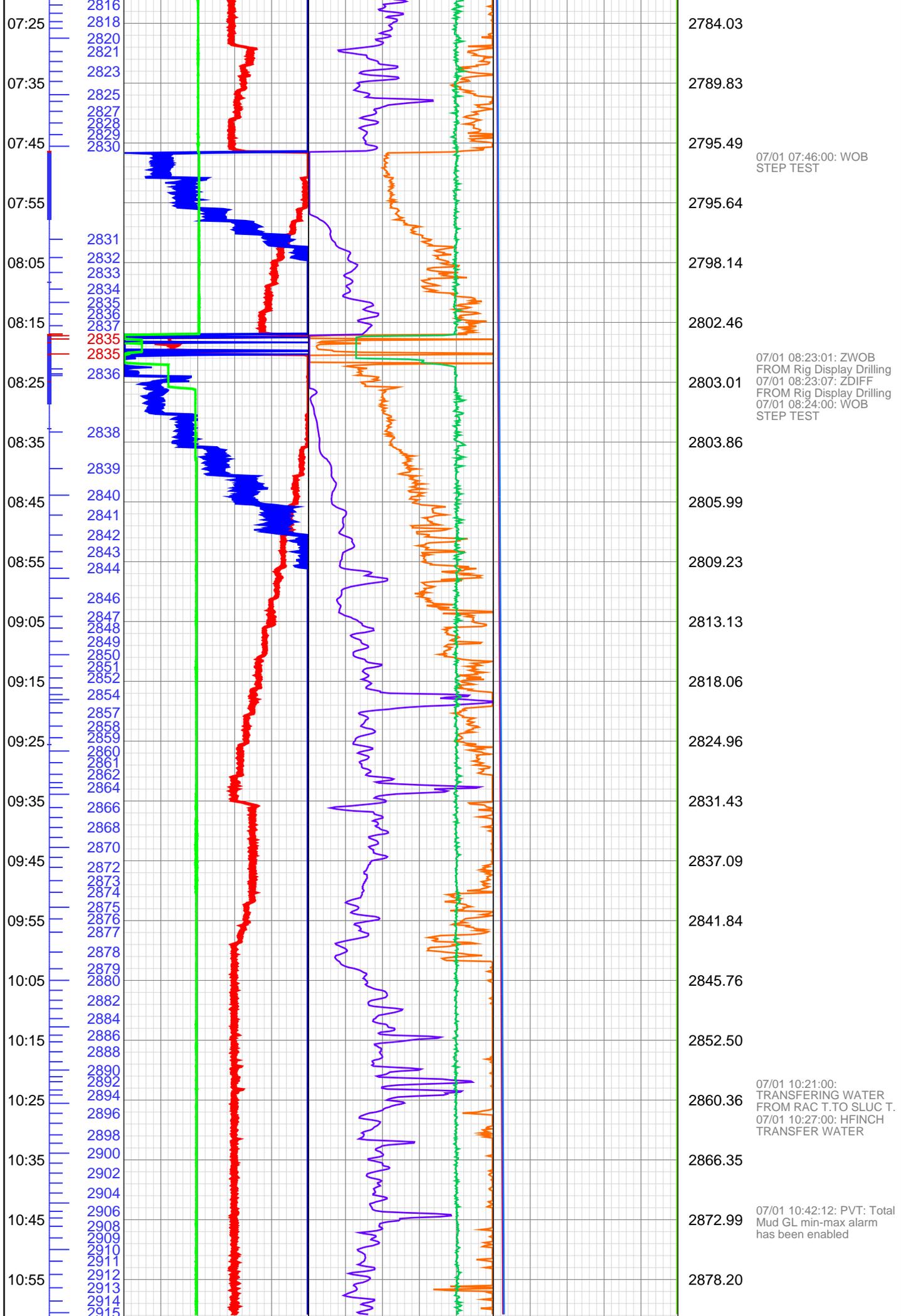


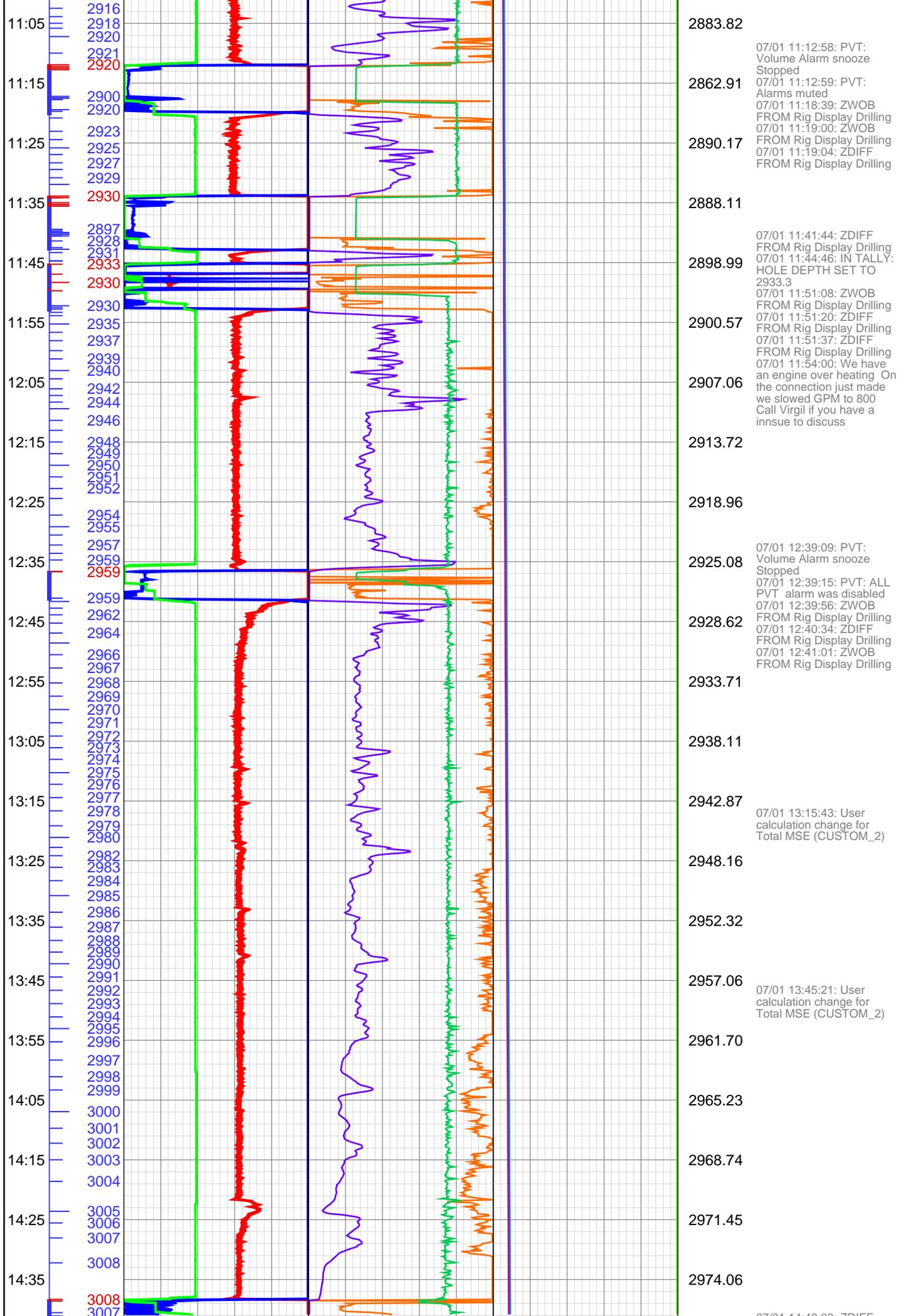




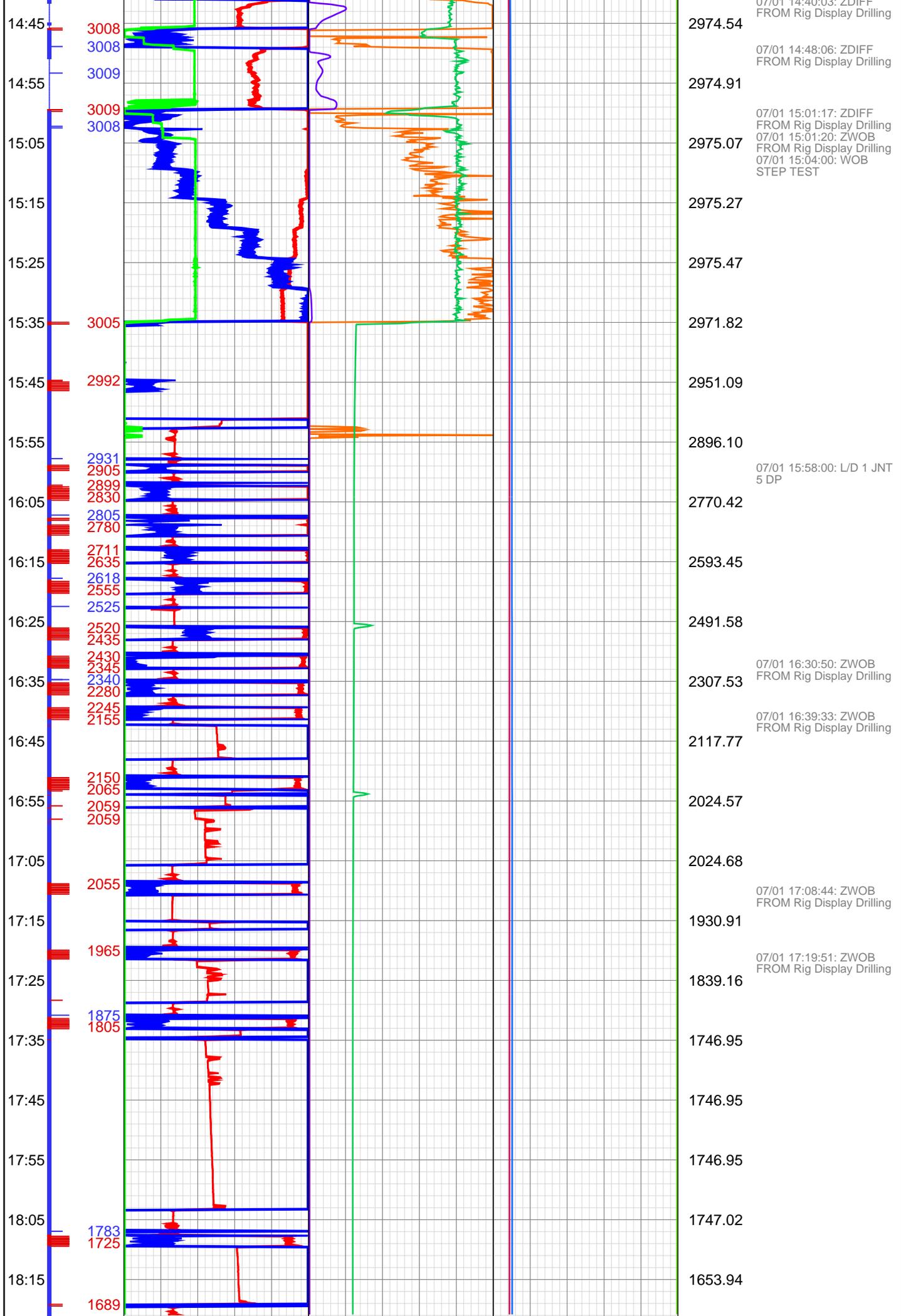
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2155  
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2360  
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2642  
2470  
2648  
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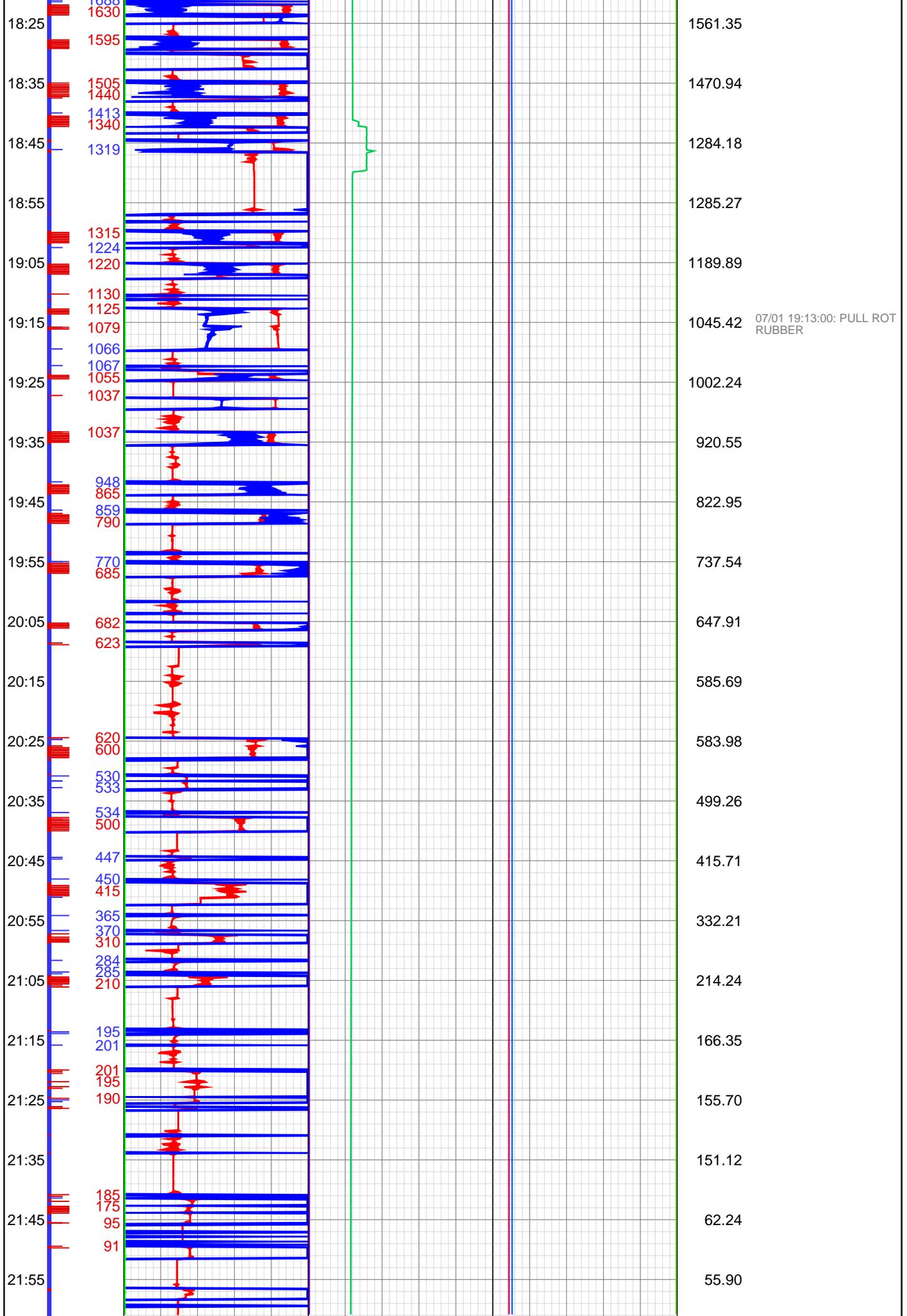
496.74 RIGALARM: PVT Rig  
Alarm Device 108 Offline  
07/01 03:27:04:  
RIGALARM: PVT Rig  
Alarm Device 108 Online  
07/01 03:29:02:  
586.87 RIGALARM: PVT Rig  
Alarm Device 108 Offline  
07/01 03:33:33:  
RIGALARM: PVT Rig  
Alarm Device 108 Online  
07/01 03:37:50:  
904.45 RIGALARM: PVT Rig  
Alarm Device 108 Offline  
07/01 03:55:23: BIT  
DEPTH CHANGED TO  
573.0 FEET  
1012.83 07/01 04:09:00: INSTALL  
ROT RUBBER  
07/01 04:20:00: SET  
CROWN O MATIC/TAC 2  
1186.38  
1614.57  
2038.92 07/01 04:58:01: BIT  
HOURS CHANGED FROM  
9.6 TO 0  
07/01 05:02:00: FILL PIPE  
07/01 05:02:17:  
HOOKLOAD WAS  
RECALIBRATED.  
2594.30 07/01 05:02:59: BIT  
DEPTH CHANGED TO  
2468.2 FEET  
2433.94 07/01 05:11:26: BIT  
DEPTH CHANGED TO  
2648.0 FEET  
2639.40 07/01 05:13:17: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/01 05:15:29: ZDIFF  
FROM Rig Display Drilling  
2669.43 07/01 05:18:43: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/01 05:20:00: WOB  
STEP TEST  
2678.39 07/01 05:26:44:  
RIGALARM: PVT Rig  
Alarm Device 108 Online  
07/01 05:31:01:  
RIGALARM: PVT Rig  
Alarm 108 Fault  
2687.73 07/01 05:31:04:  
RIGALARM: PVT Rig  
Alarm Device 108 Online  
07/01 05:47:00: FILL  
TANK 6 W/ H2O  
2694.74  
2706.52 07/01 06:05:54: IN TALLY:  
HOLE DEPTH SET TO  
2743.0  
2713.27 07/01 06:10:35: ZWOB  
FROM Rig Display Drilling  
07/01 06:10:40: ZDIFF  
FROM Rig Display Drilling  
2726.42  
2737.29 07/01 06:32:00: RPM  
STEP TEST  
2752.79  
2763.49  
2771.05  
2777.16

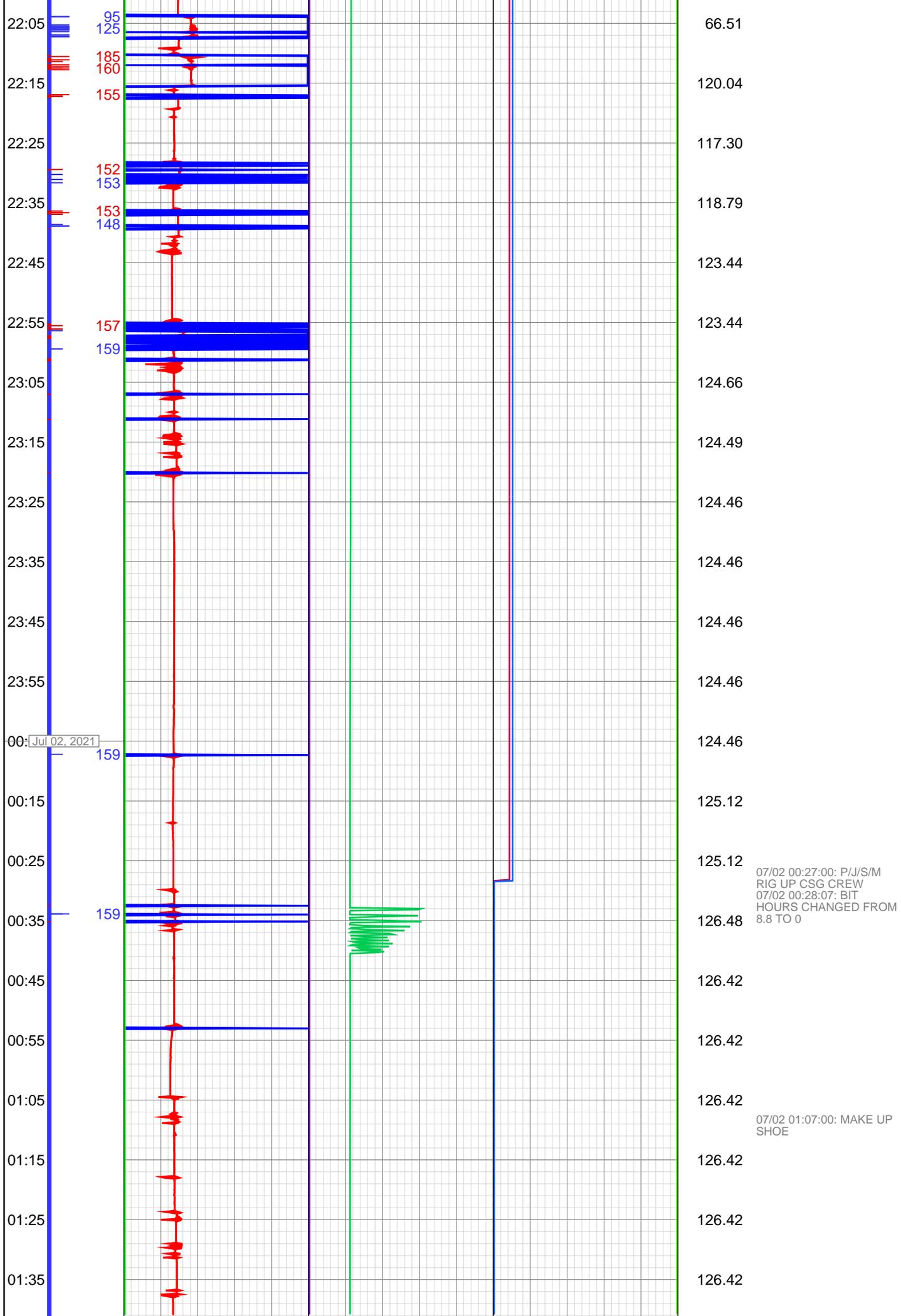


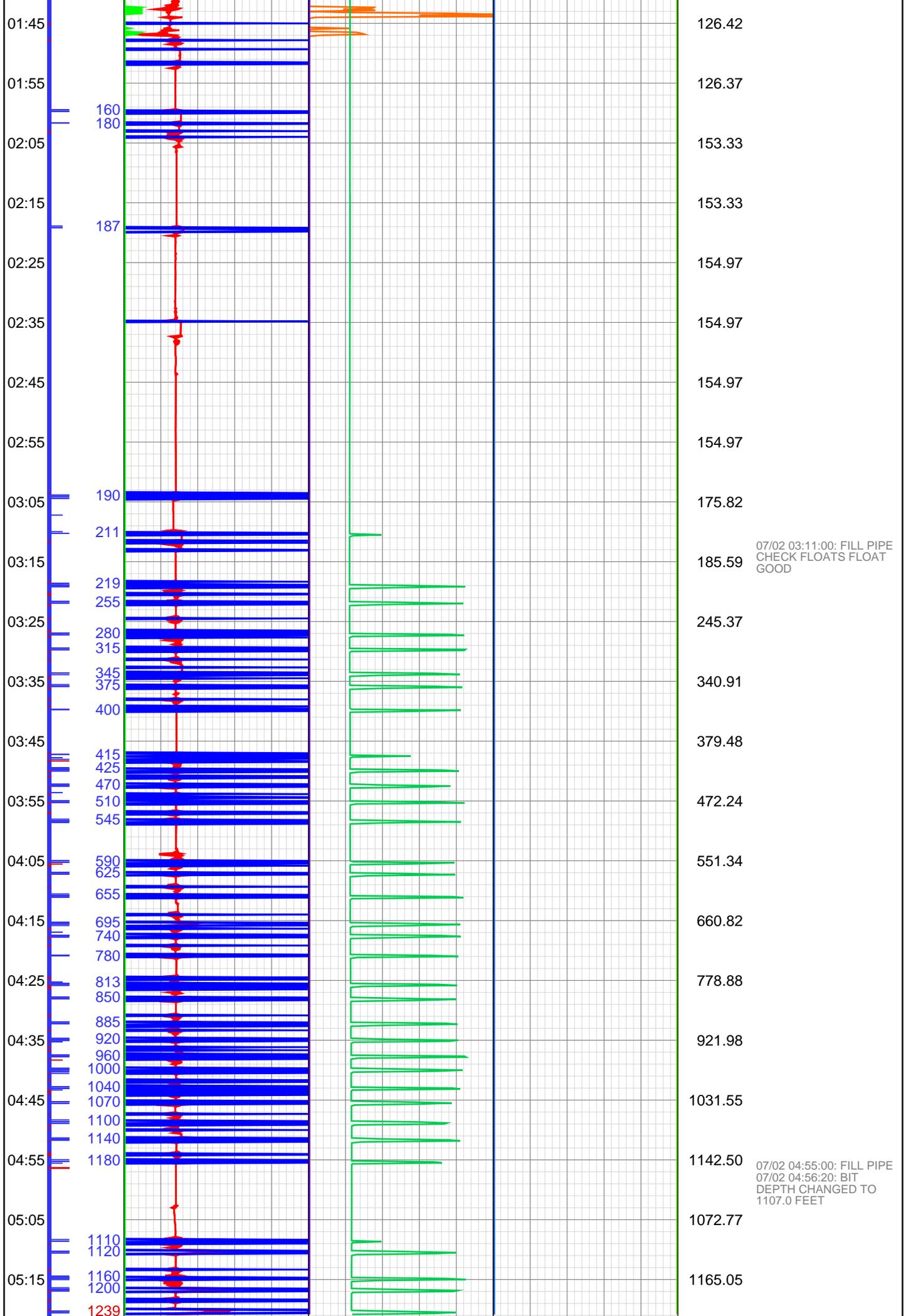


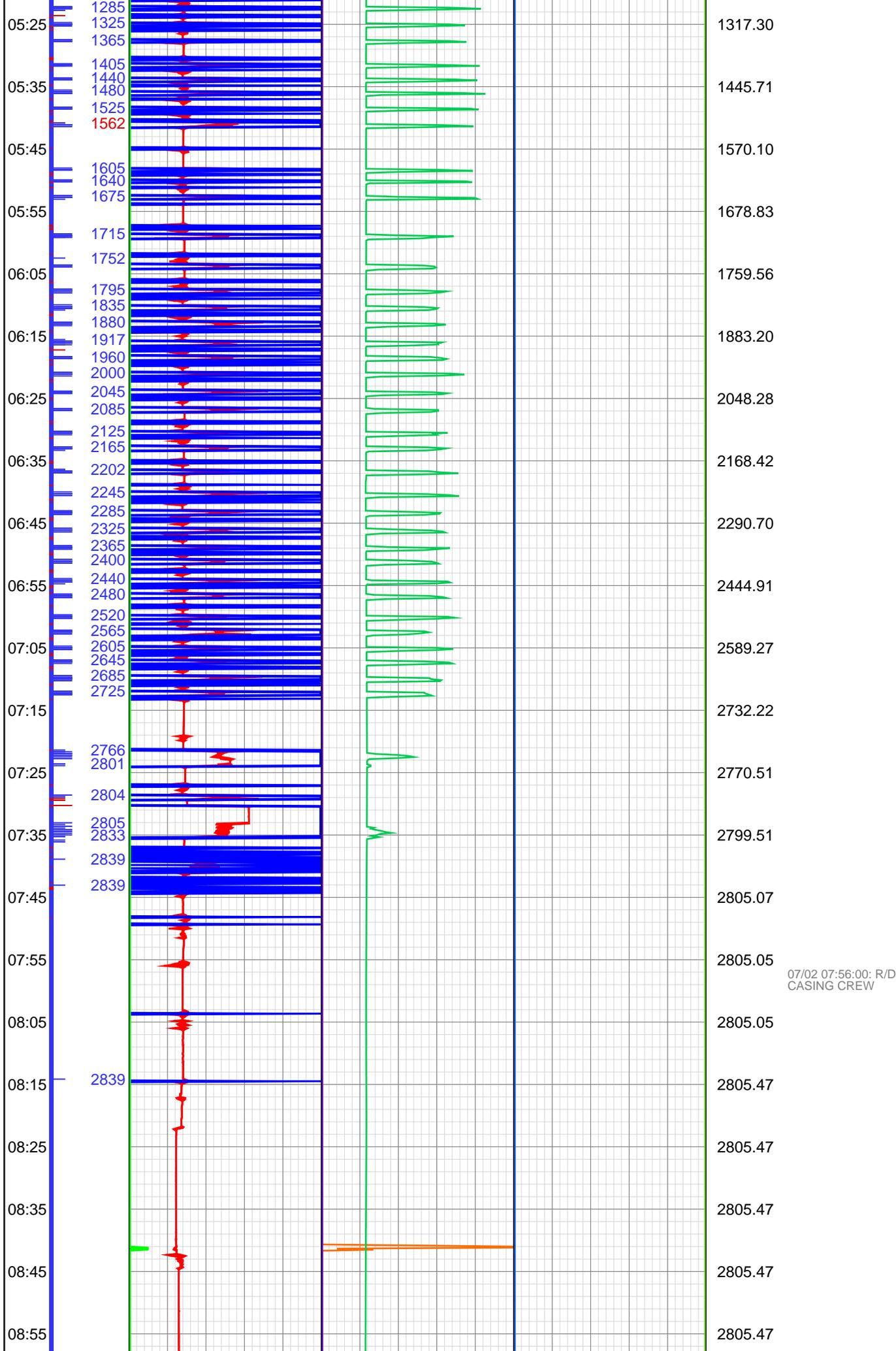


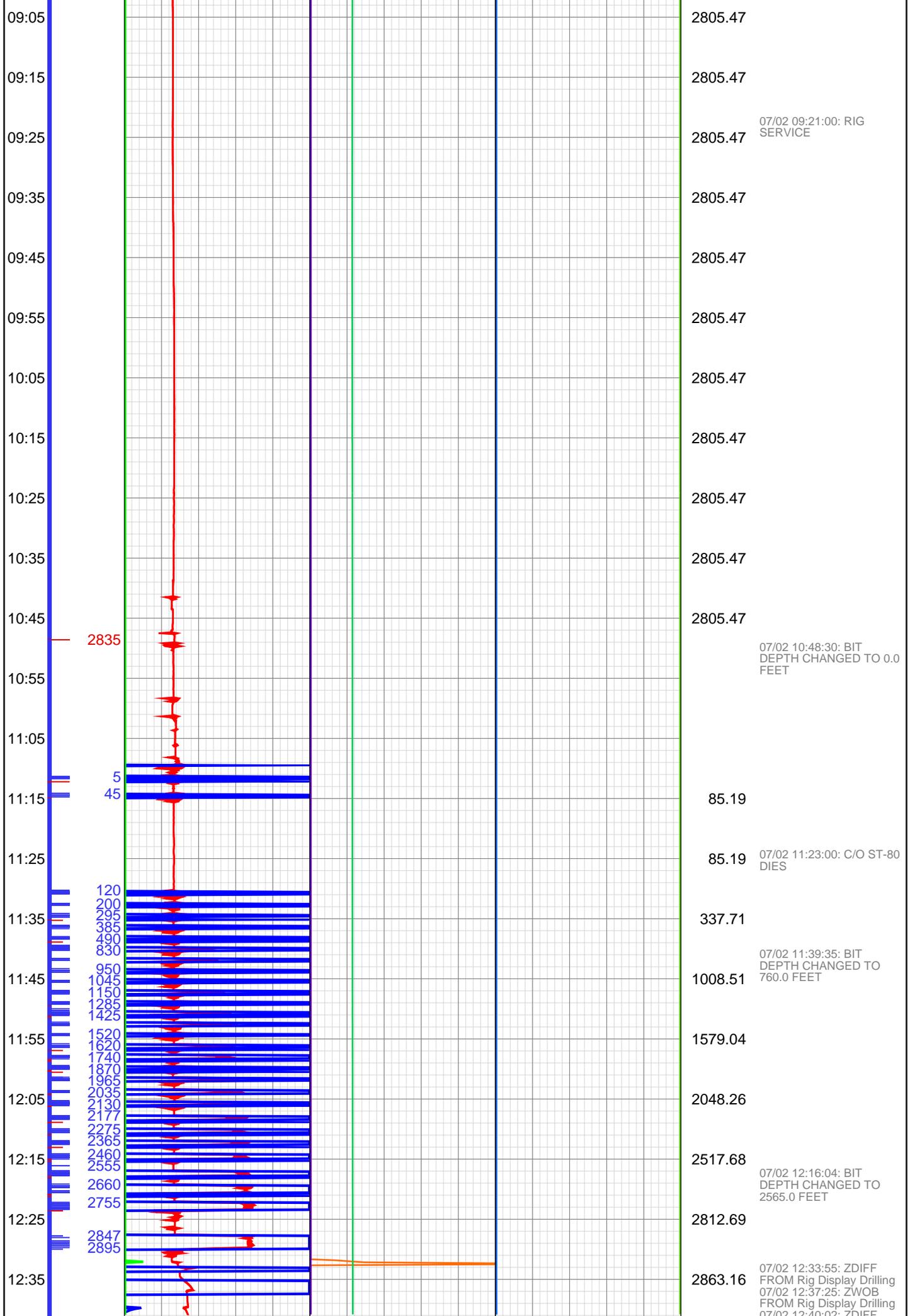






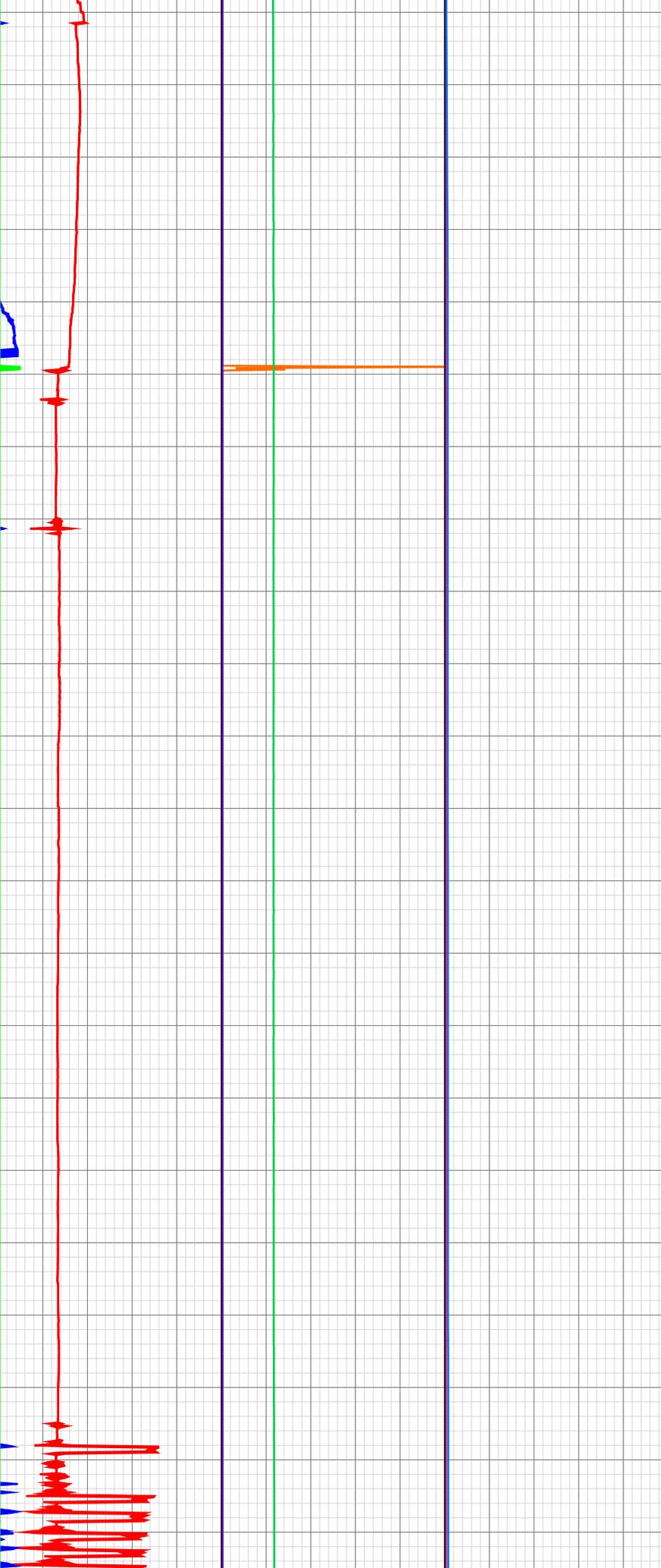






12:45  
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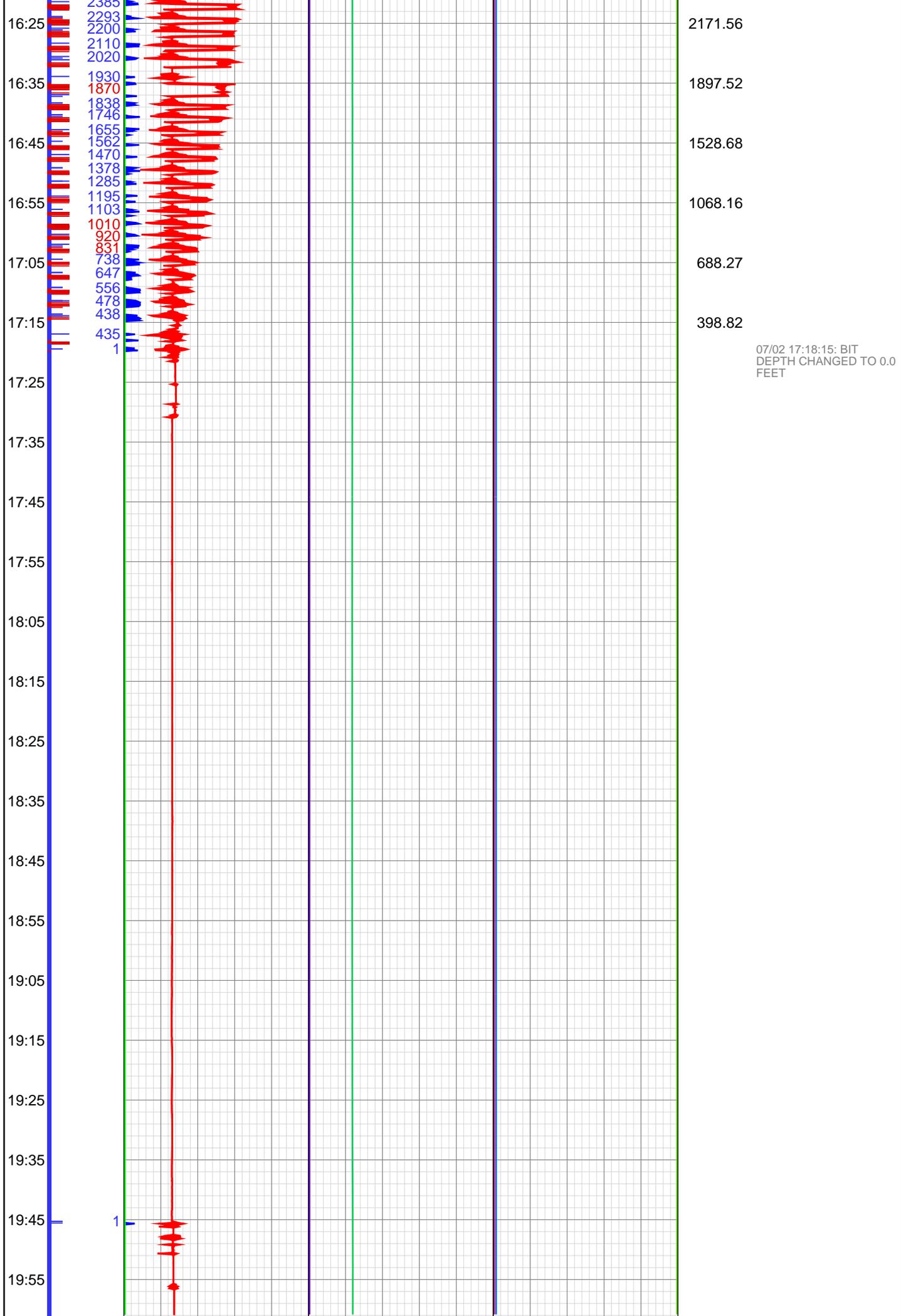


2863.39  
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2813.17  
2629.14

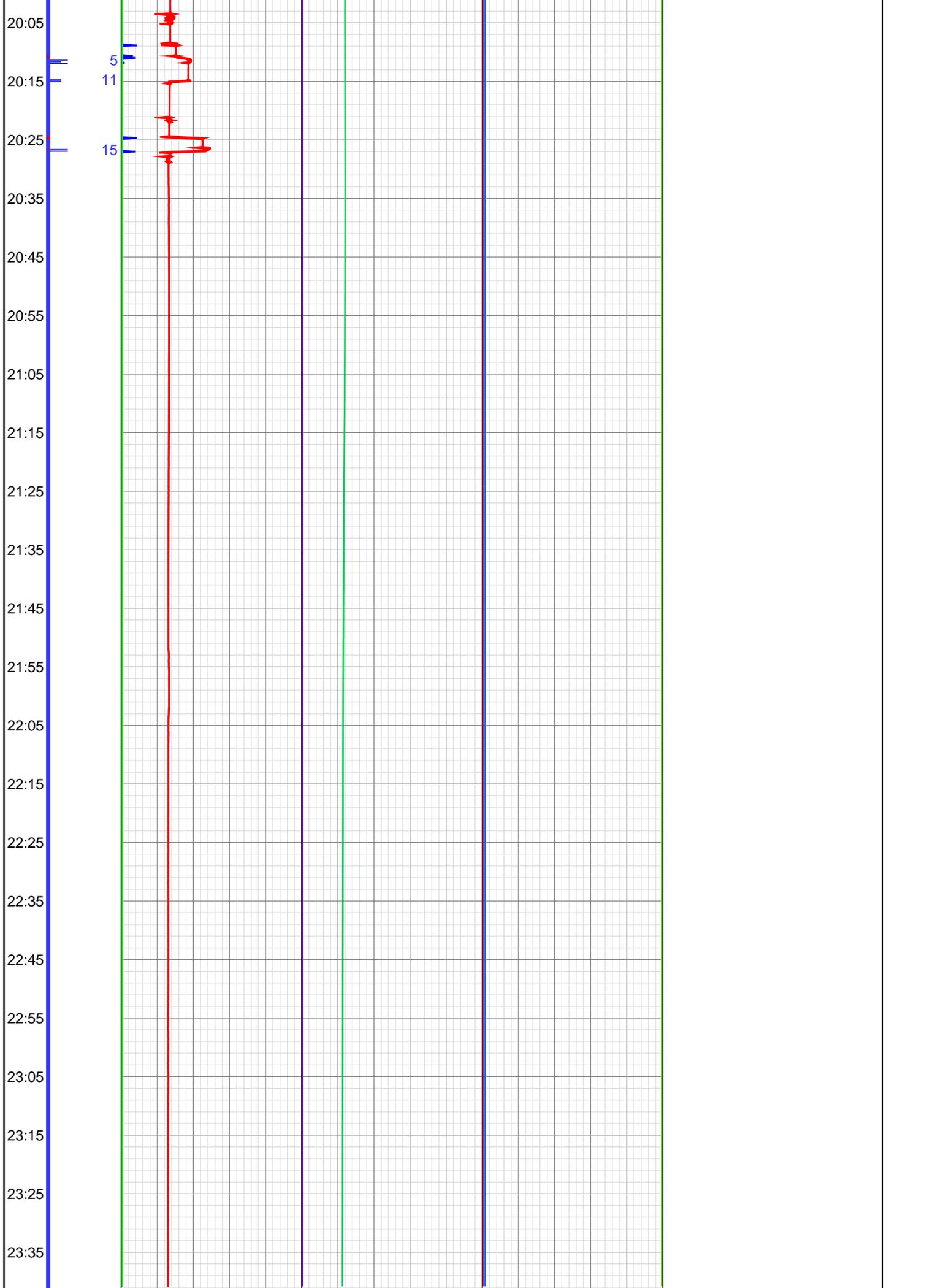
07/02 12:40:02: LUB  
FROM Rig Display Drilling  
07/02 12:41:34: PVT: ALL  
PVT alarm was enabled

07/02 14:03:50: PVT: ALL  
PVT alarm was disabled  
07/02 14:07:00: PSI TEST

07/02 14:20:00: CEMENT

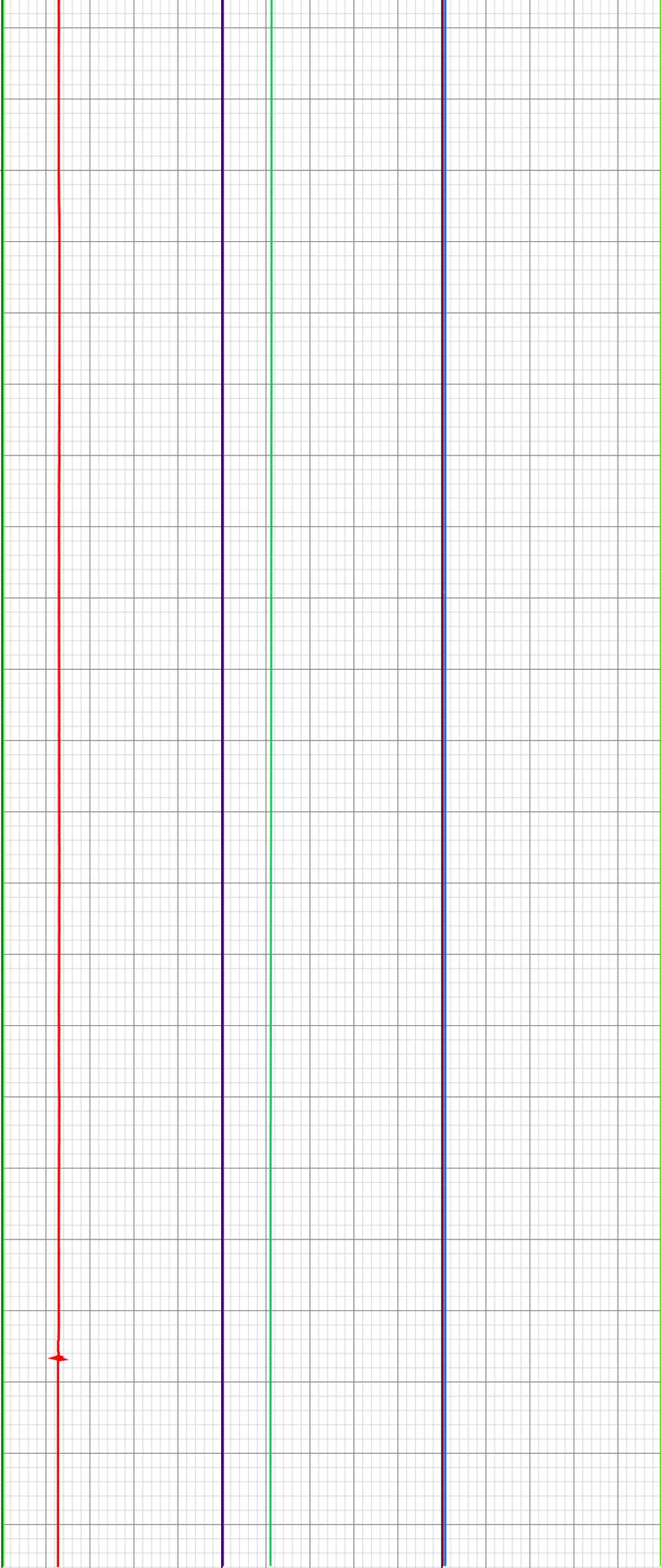




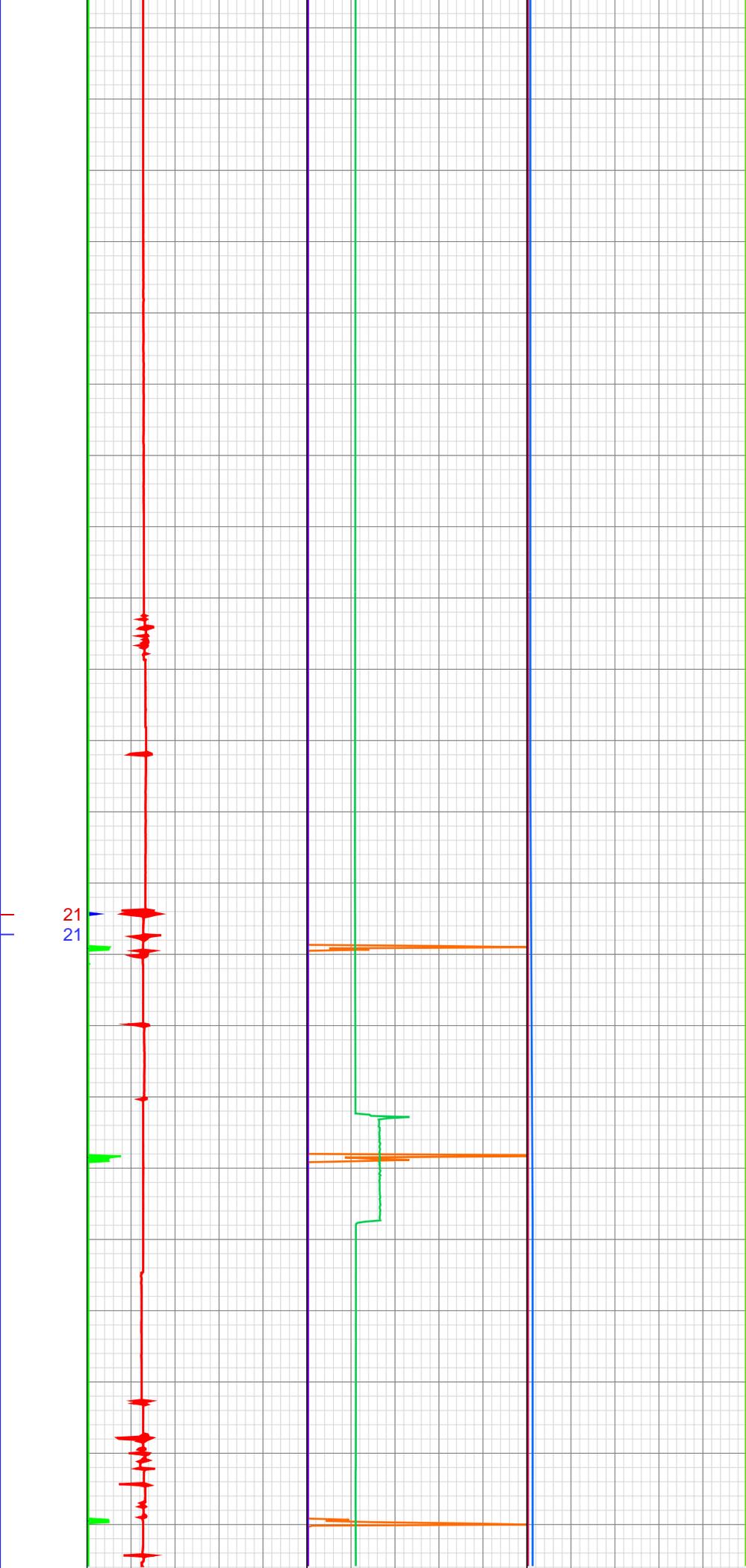


23:45  
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03:05  
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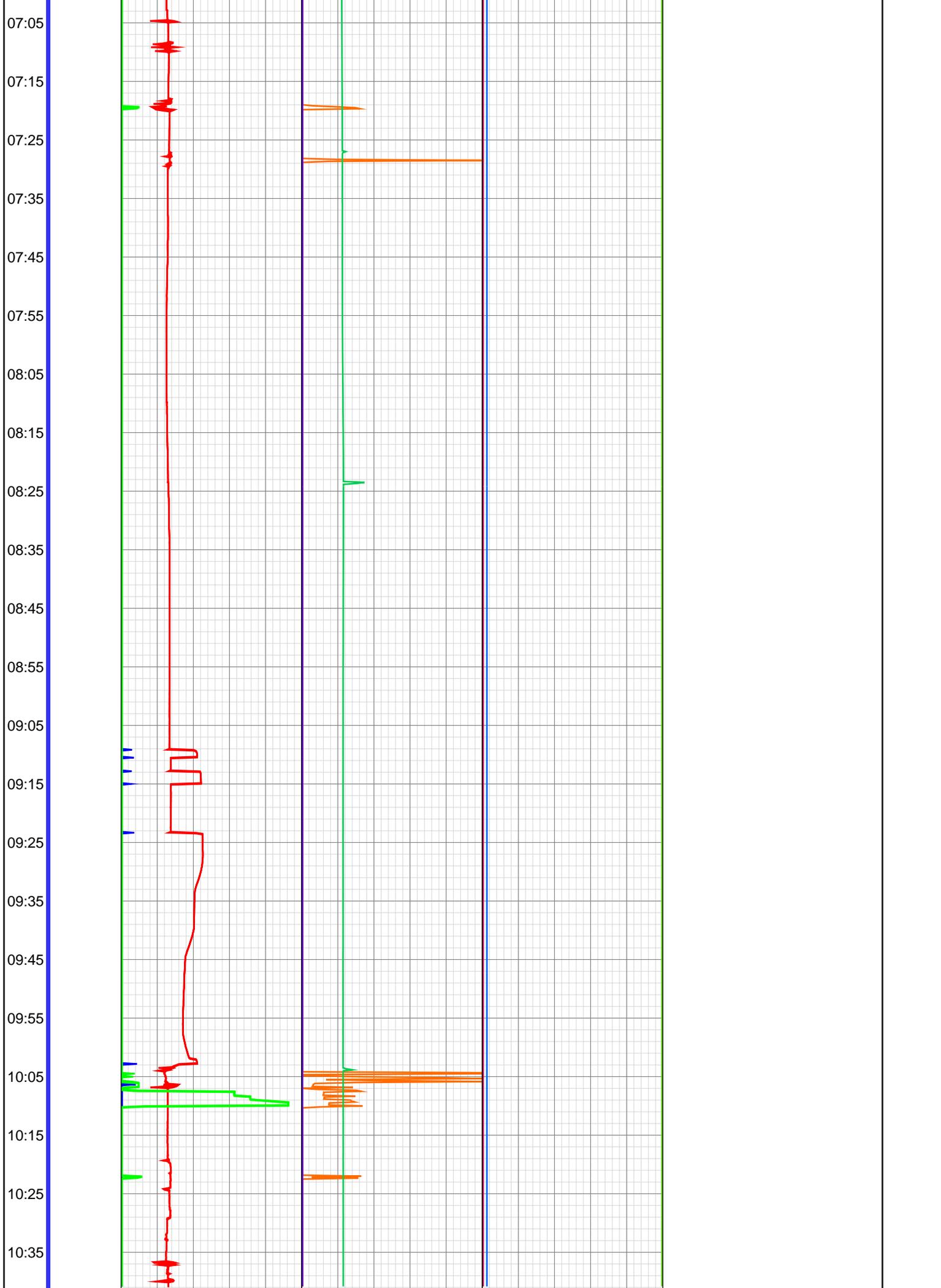
Jul 03, 2021

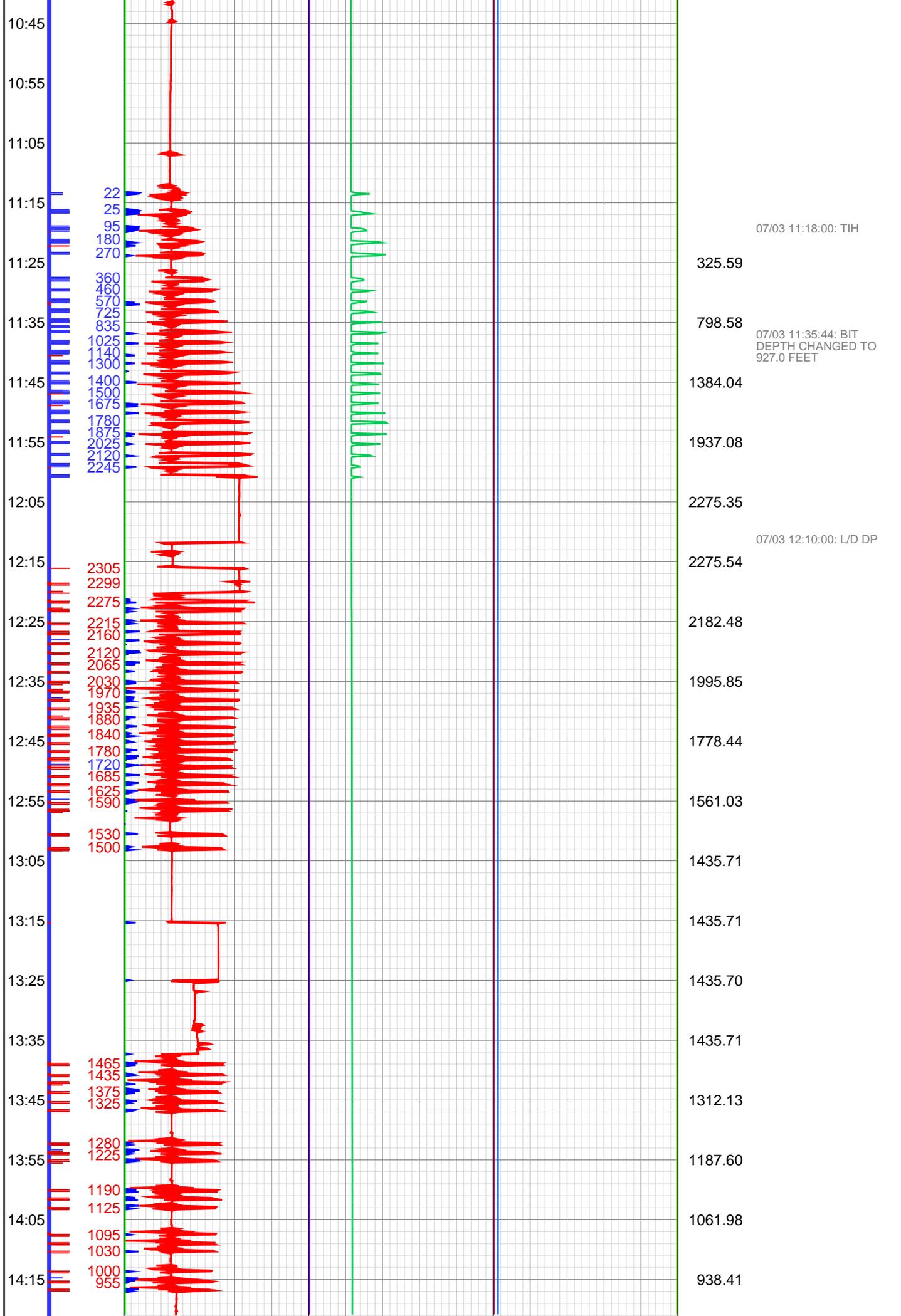


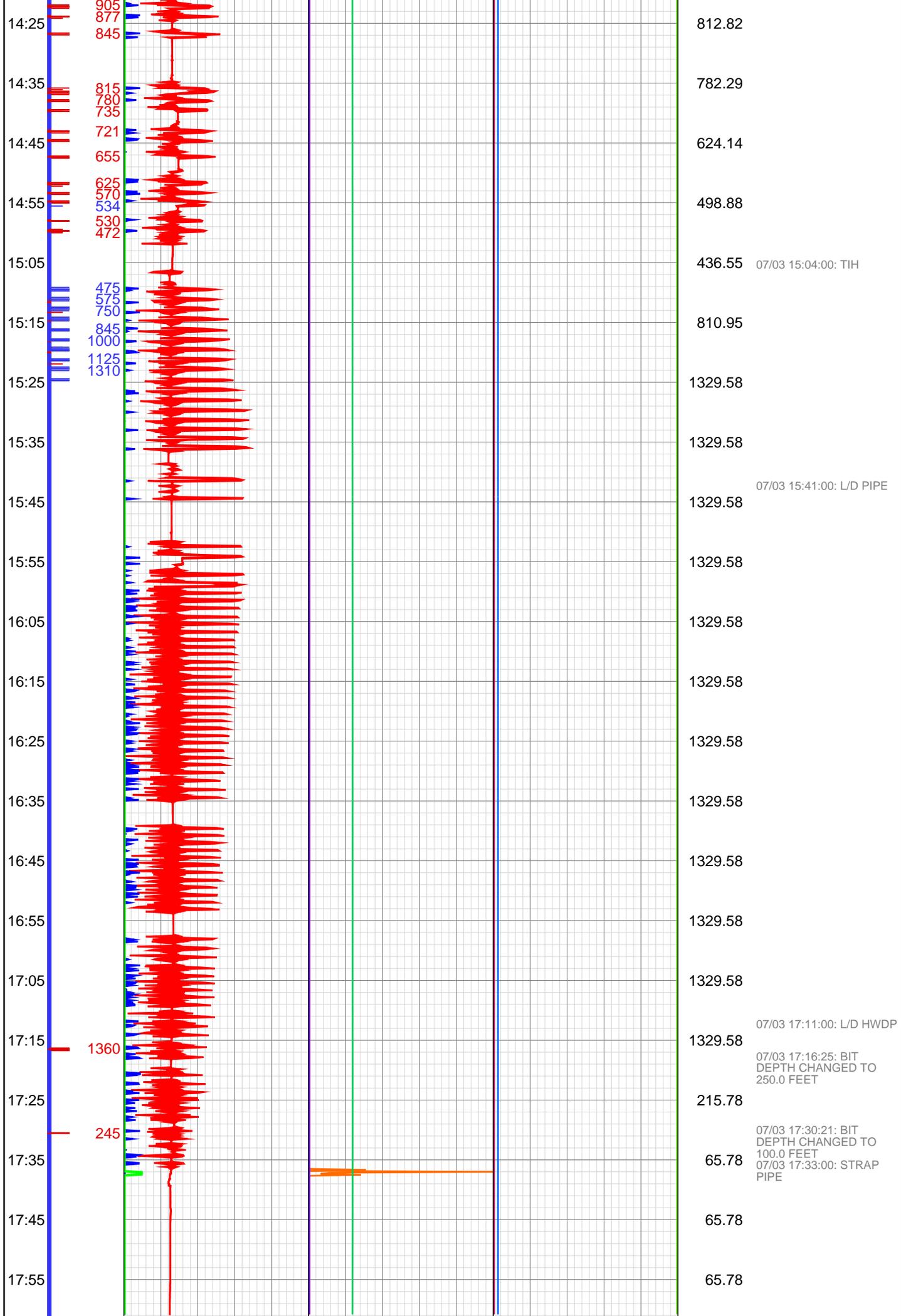
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07/03 05:07:15: PVT: Flow  
1 high-low alarm has been  
enabled PVT: Flow 1  
pumps off alarm has been  
enabled  
07/03 05:07:26: PVT:  
Volume Alarm snooze  
Stopped  
07/03 05:07:27: PVT:  
Alarms unmuted  
07/03 05:08:44: ZDIFF  
FROM Rig Display Drilling



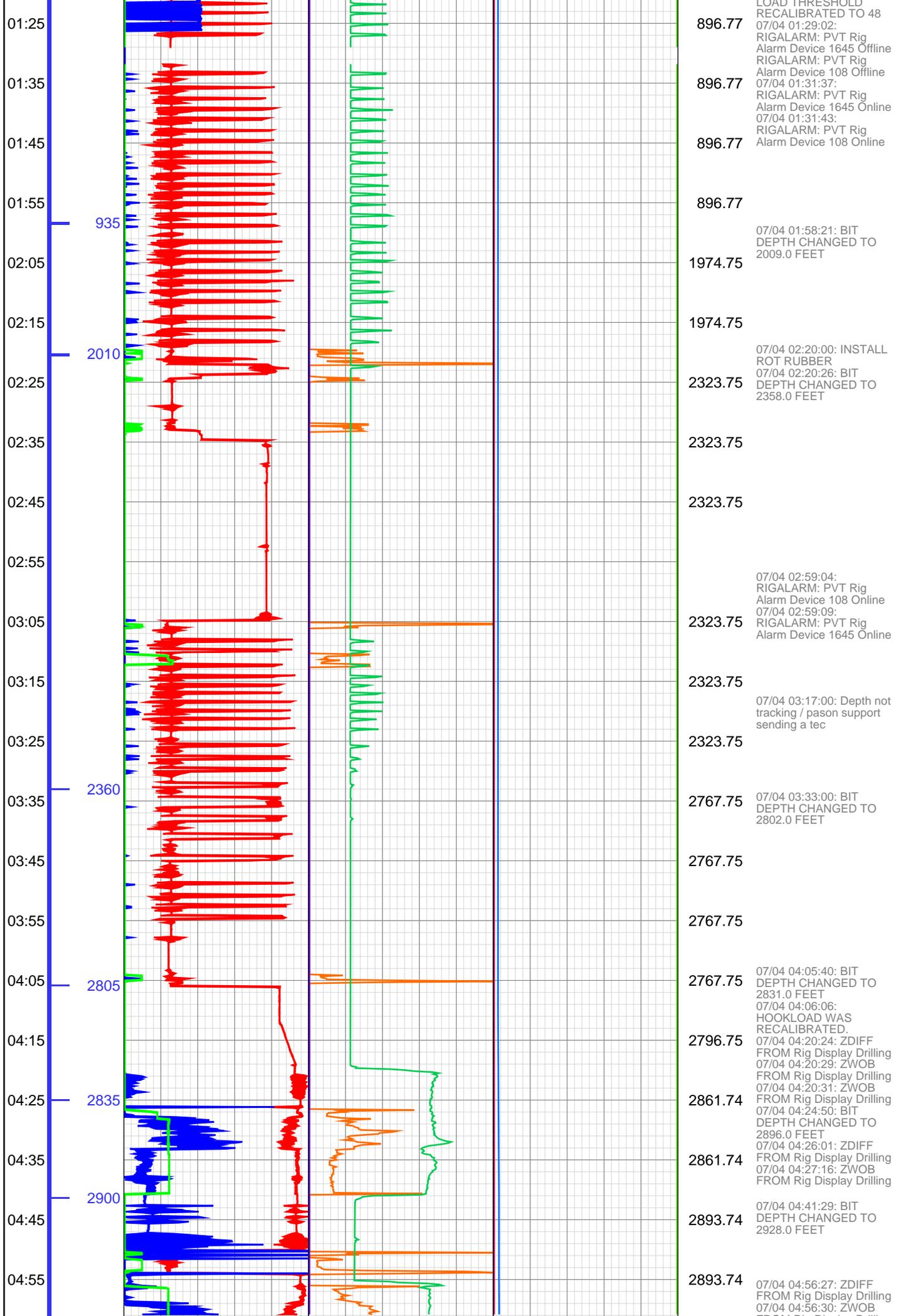


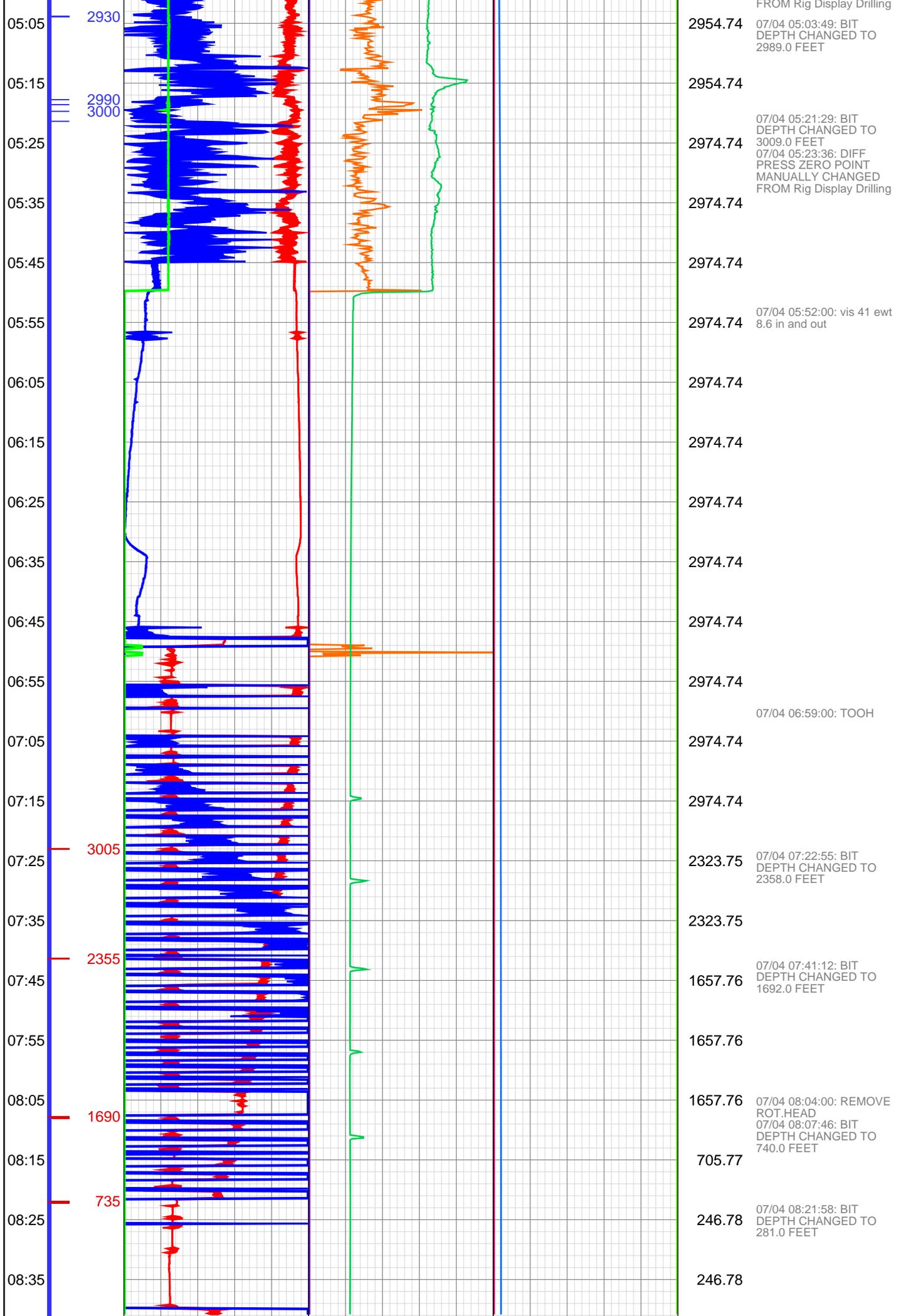


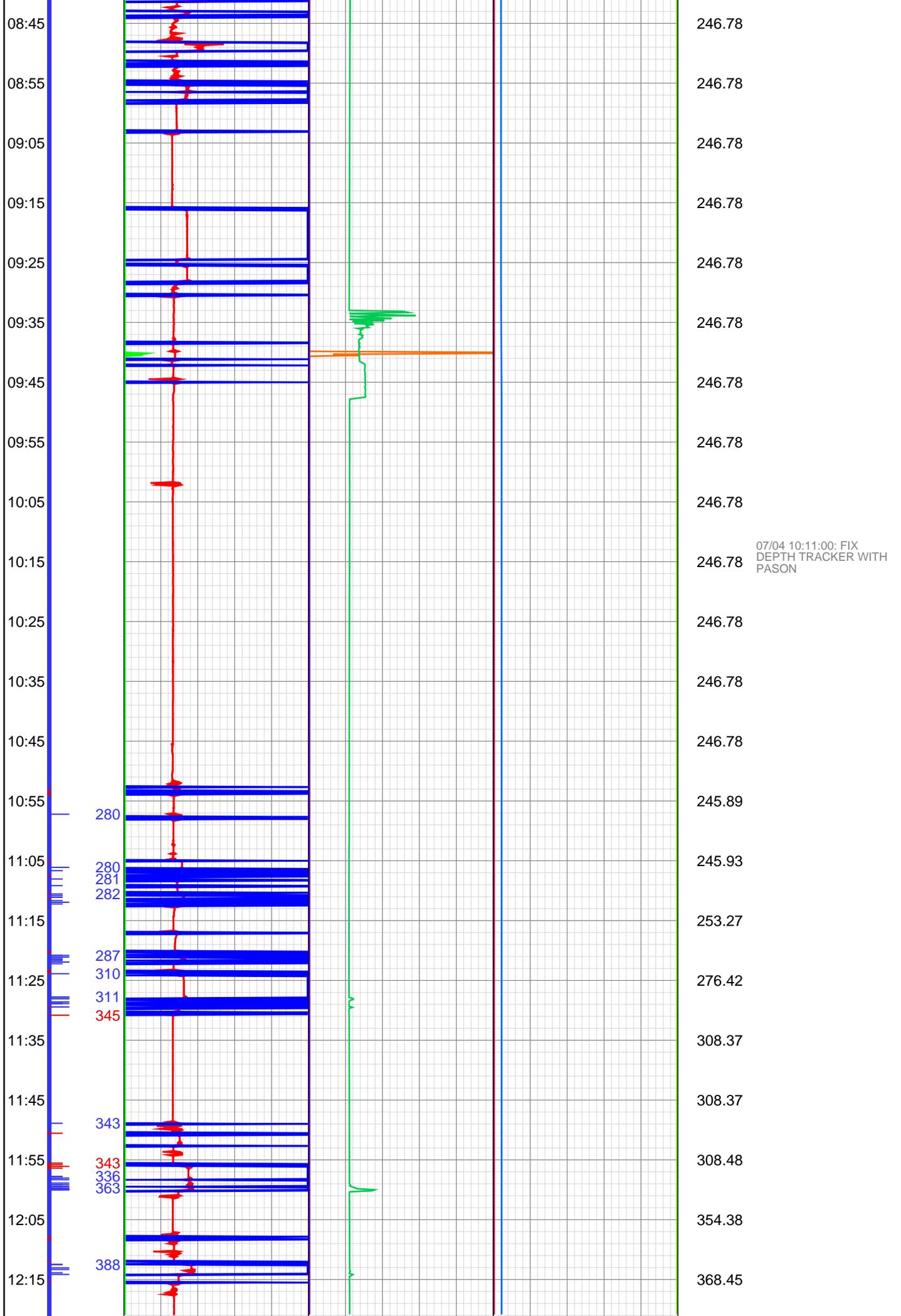












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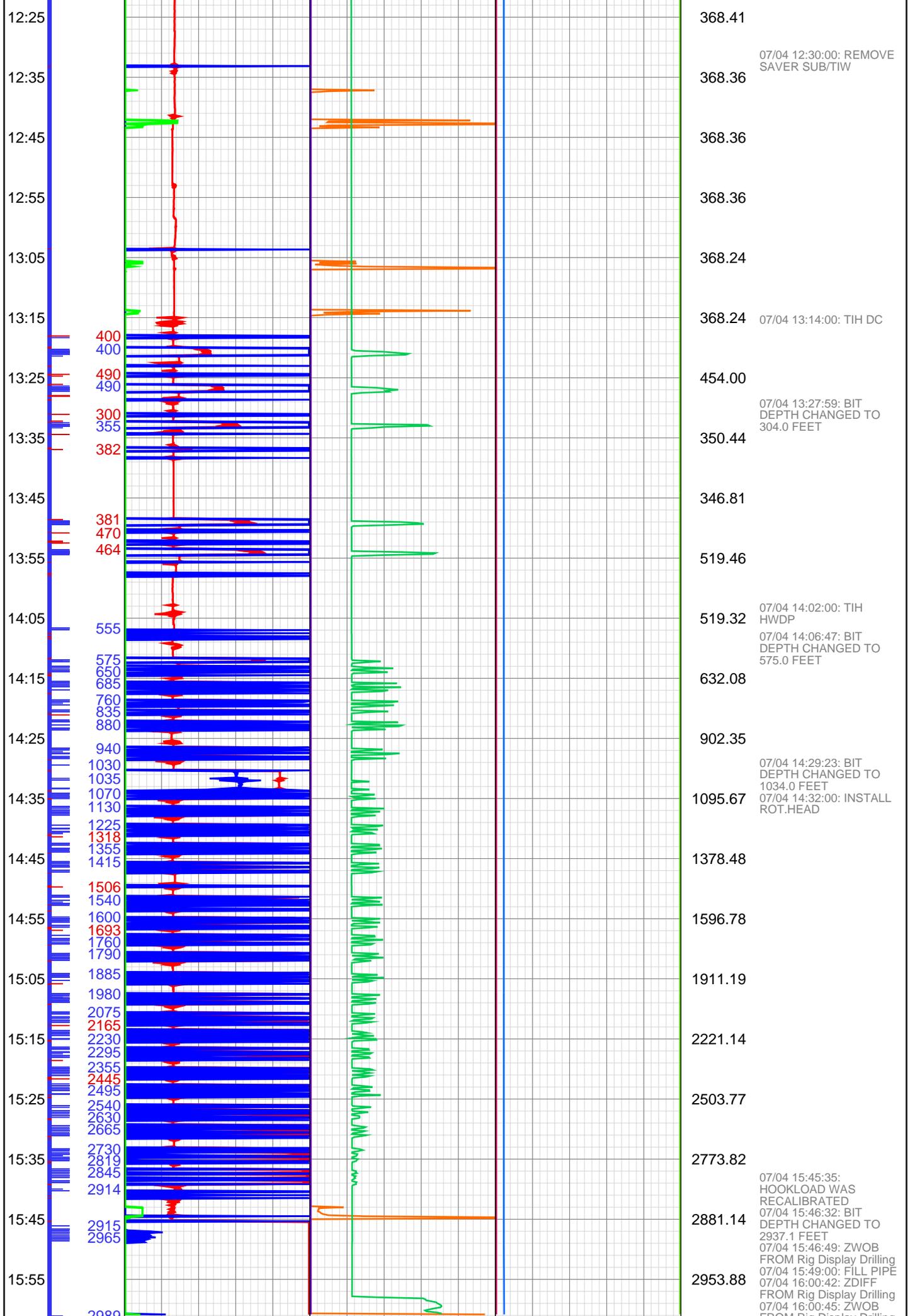
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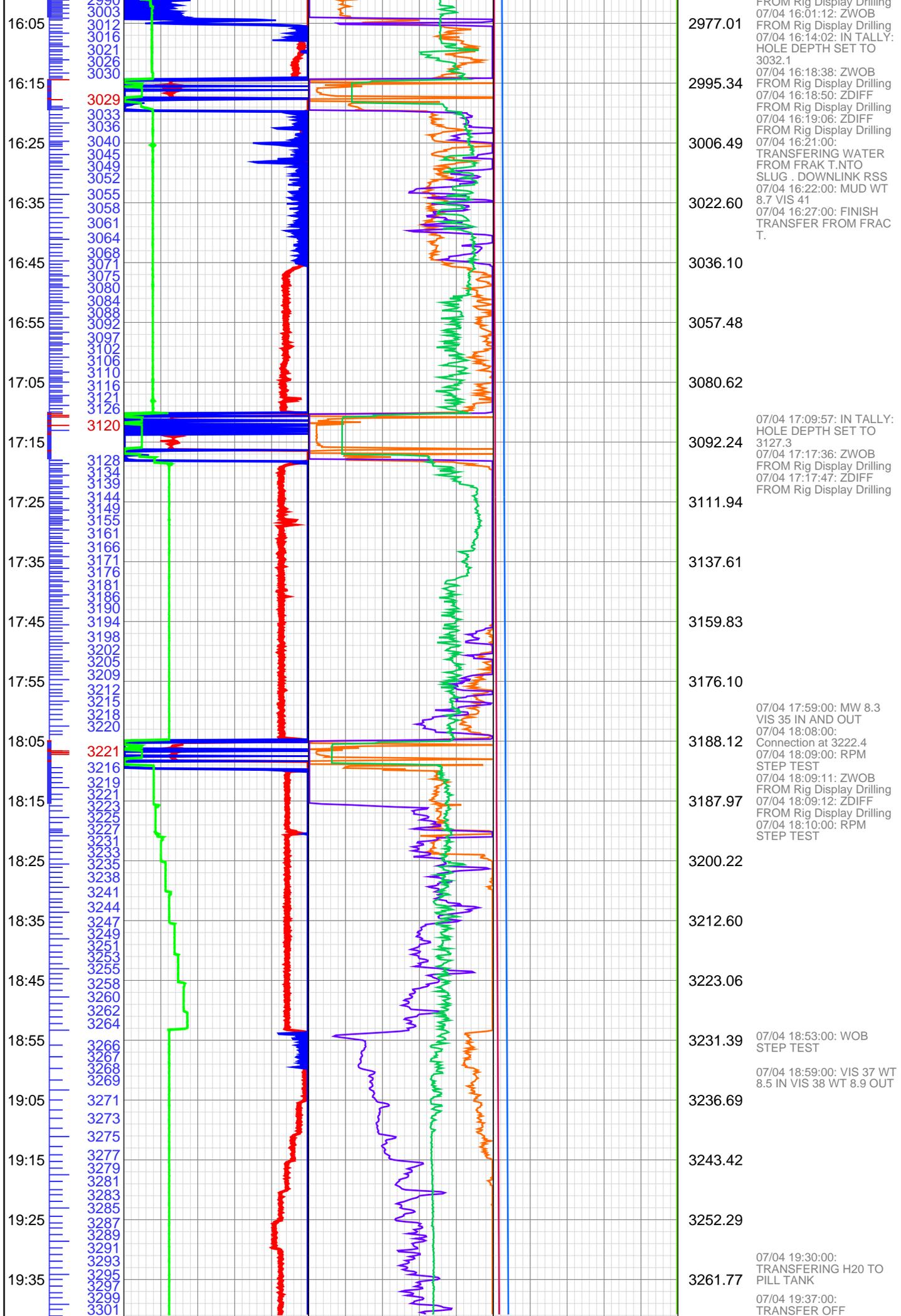
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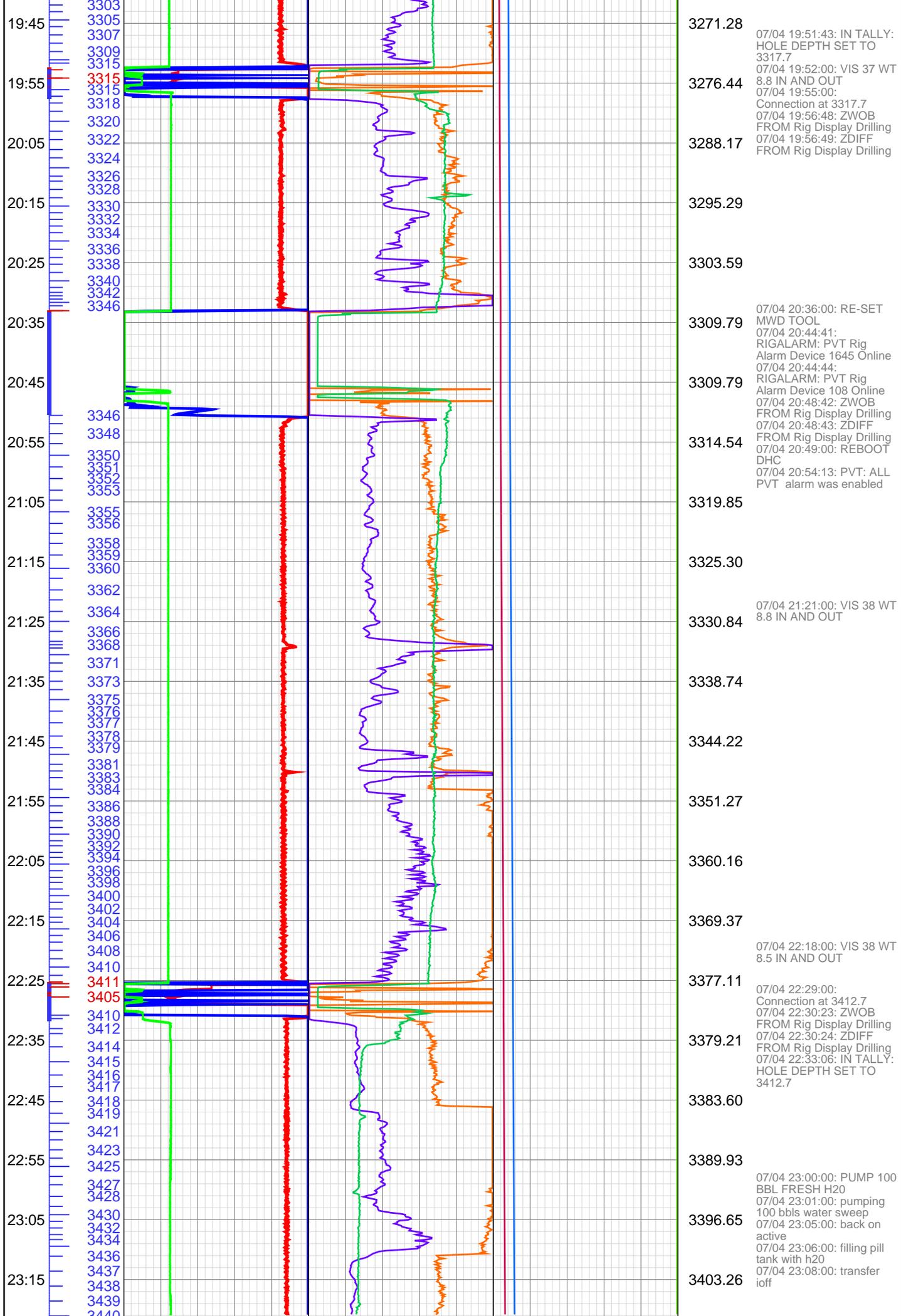
FROM Rig Display Drilling  
 07/04 16:01:12: ZWOB  
 FROM Rig Display Drilling  
 07/04 16:14:02: IN TALLY:  
 HOLE DEPTH SET TO  
 3032.1  
 07/04 16:18:38: ZWOB  
 FROM Rig Display Drilling  
 07/04 16:18:50: ZDIFF  
 FROM Rig Display Drilling  
 07/04 16:19:06: ZDIFF  
 FROM Rig Display Drilling  
 07/04 16:21:00:  
 TRANSFERING WATER  
 FROM FRAK T.NTO  
 SLUG . DOWNLINK RSS  
 07/04 16:22:00: MUD WT  
 8.7 VIS 41  
 07/04 16:27:00: FINISH  
 TRANSFER FROM FRAC  
 T.

07/04 17:09:57: IN TALLY:  
 HOLE DEPTH SET TO  
 3127.3  
 07/04 17:17:36: ZWOB  
 FROM Rig Display Drilling  
 07/04 17:17:47: ZDIFF  
 FROM Rig Display Drilling

07/04 17:59:00: MW 8.3  
 VIS 35 IN AND OUT  
 07/04 18:08:00:  
 Connection at 3222.4  
 07/04 18:09:00: RPM  
 STEP TEST  
 07/04 18:09:11: ZWOB  
 FROM Rig Display Drilling  
 07/04 18:09:12: ZDIFF  
 FROM Rig Display Drilling  
 07/04 18:10:00: RPM  
 STEP TEST

07/04 18:53:00: WOB  
 STEP TEST  
 07/04 18:59:00: VIS 37 WT  
 8.5 IN VIS 38 WT 8.9 OUT

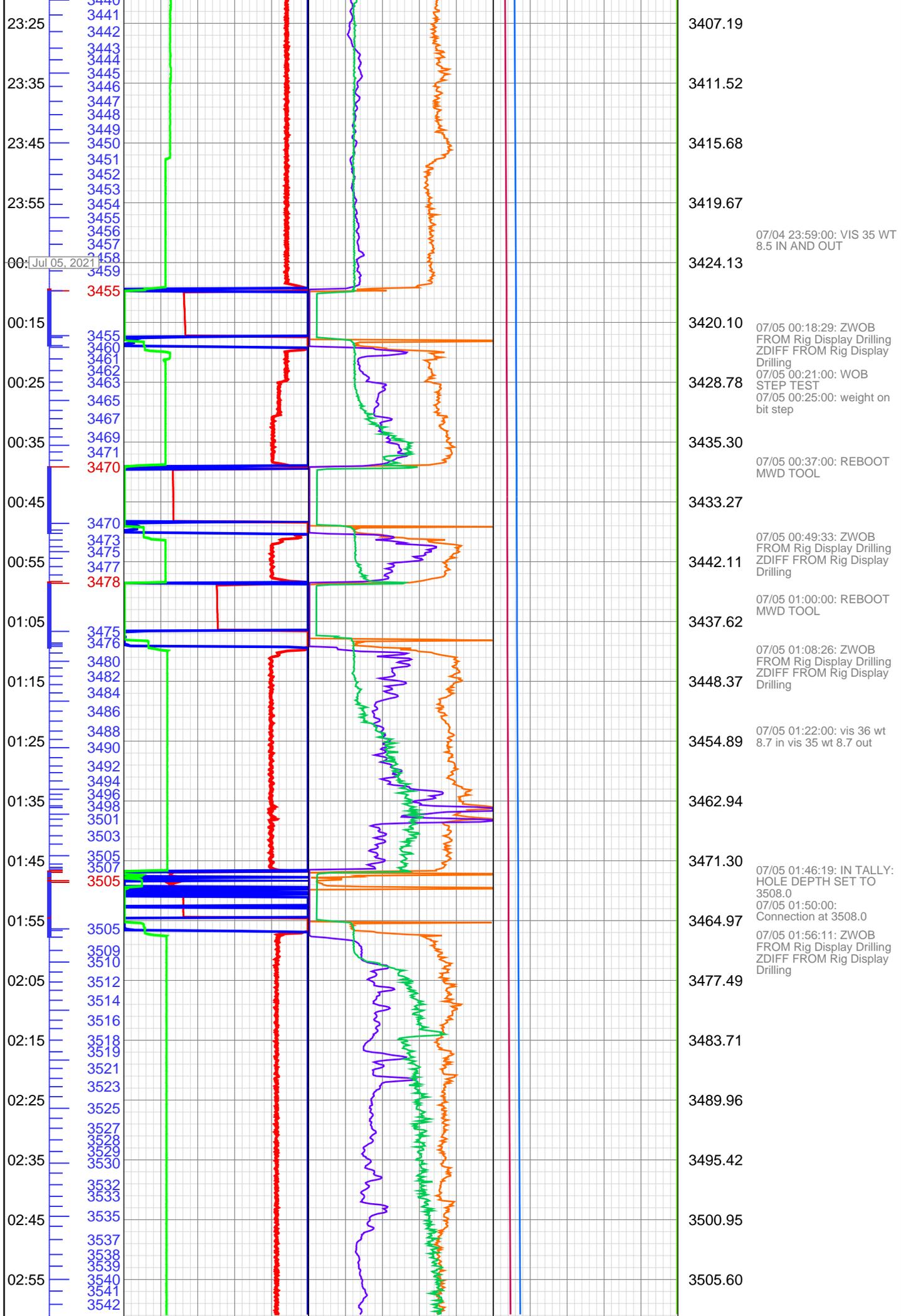
07/04 19:30:00:  
 TRANSFERING H2O TO  
 PILL TANK  
 07/04 19:37:00:  
 TRANSFER OFF

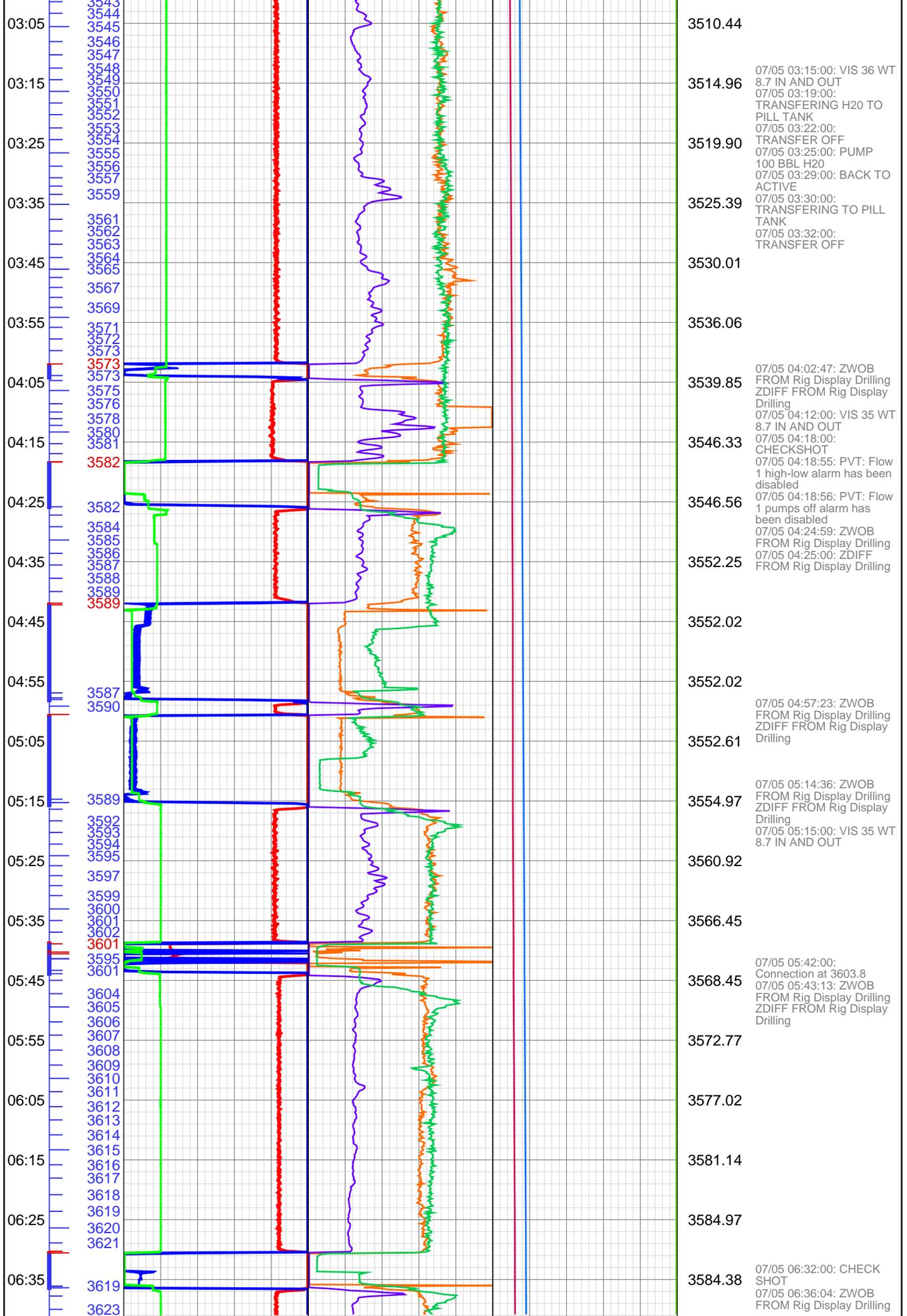


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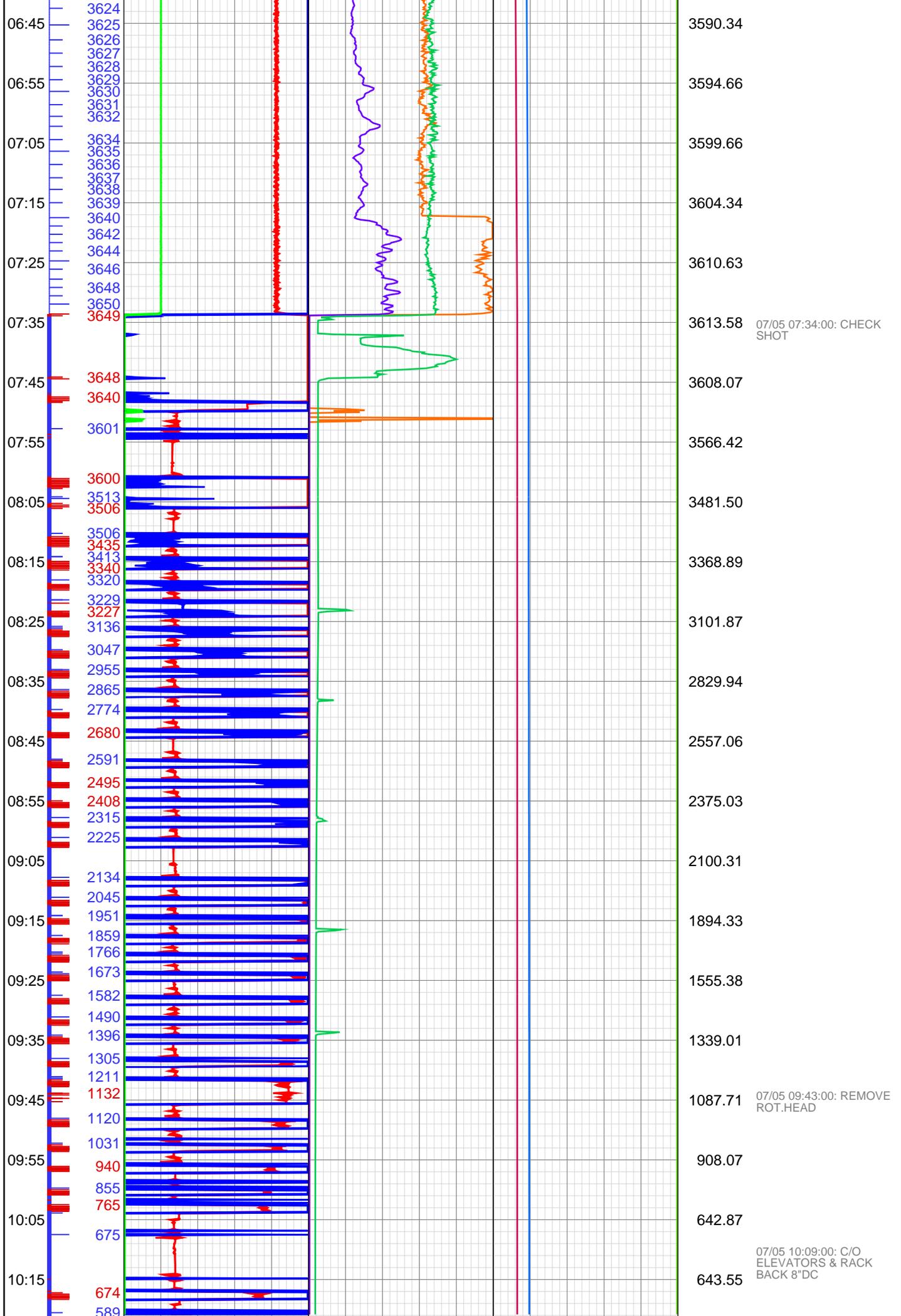
3271.28 07/04 19:51:43: IN TALLY:  
HOLE DEPTH SET TO  
3317.7  
3276.44 07/04 19:52:00: VIS 37 WT  
8.8 IN AND OUT  
07/04 19:55:00:  
Connection at 3317.7  
07/04 19:56:48: ZWOB  
FROM Rig Display Drilling  
3288.17 07/04 19:56:49: ZDIFF  
FROM Rig Display Drilling  
3295.29  
3303.59  
3309.79 07/04 20:36:00: RE-SET  
MWD TOOL  
07/04 20:44:41:  
RIGALARM: PVT Rig  
Alarm Device 1645 Online  
07/04 20:44:44:  
RIGALARM: PVT Rig  
Alarm Device 108 Online  
07/04 20:48:42: ZWOB  
FROM Rig Display Drilling  
3309.79 07/04 20:48:43: ZDIFF  
FROM Rig Display Drilling  
3314.54 07/04 20:49:00: REBOOT  
DHC  
07/04 20:54:13: PVT: ALL  
PVT alarm was enabled  
3319.85  
3325.30  
3330.84 07/04 21:21:00: VIS 38 WT  
8.8 IN AND OUT  
3338.74  
3344.22  
3351.27  
3360.16  
3369.37  
3377.11 07/04 22:18:00: VIS 38 WT  
8.5 IN AND OUT  
07/04 22:29:00:  
Connection at 3412.7  
07/04 22:30:23: ZWOB  
FROM Rig Display Drilling  
3379.21 07/04 22:30:24: ZDIFF  
FROM Rig Display Drilling  
07/04 22:33:06: IN TALLY:  
HOLE DEPTH SET TO  
3412.7  
3383.60  
3389.93 07/04 23:00:00: PUMP 100  
BBL FRESH H2O  
07/04 23:01:00: pumping  
100 bbls water sweep  
3396.65 07/04 23:05:00: back on  
active  
07/04 23:06:00: filling pill  
tank with h2o  
3403.26 07/04 23:08:00: transfer  
ioff

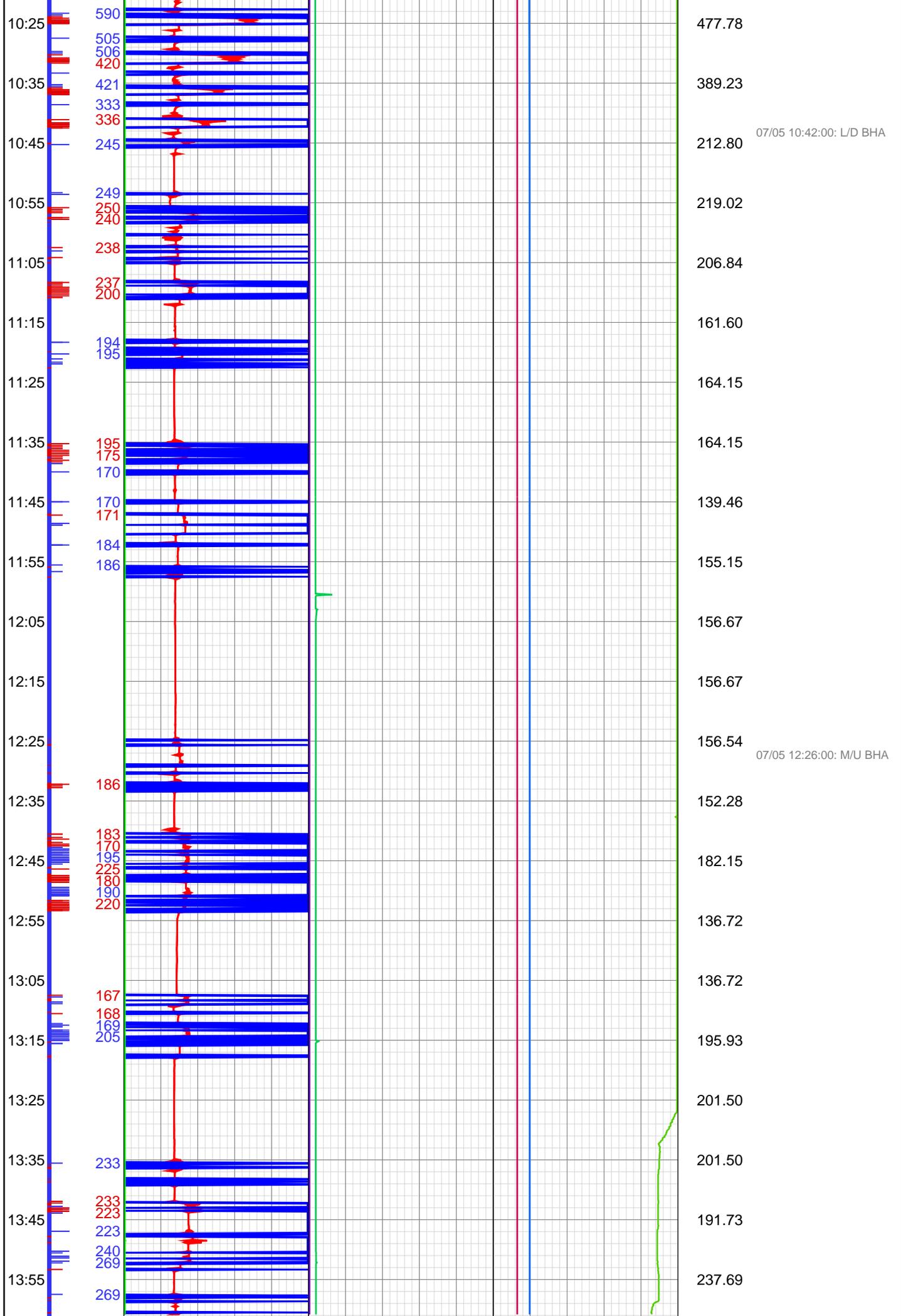
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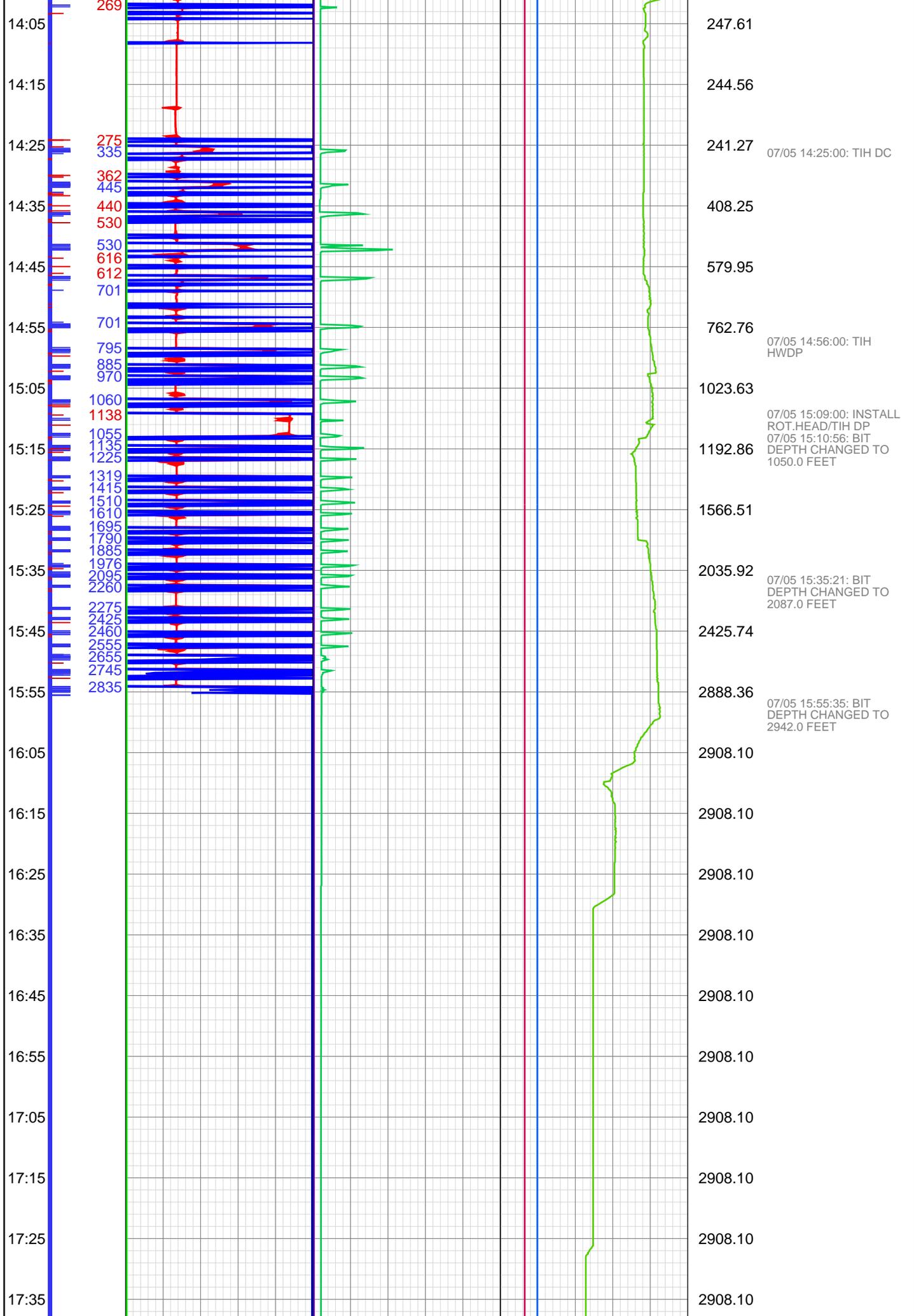




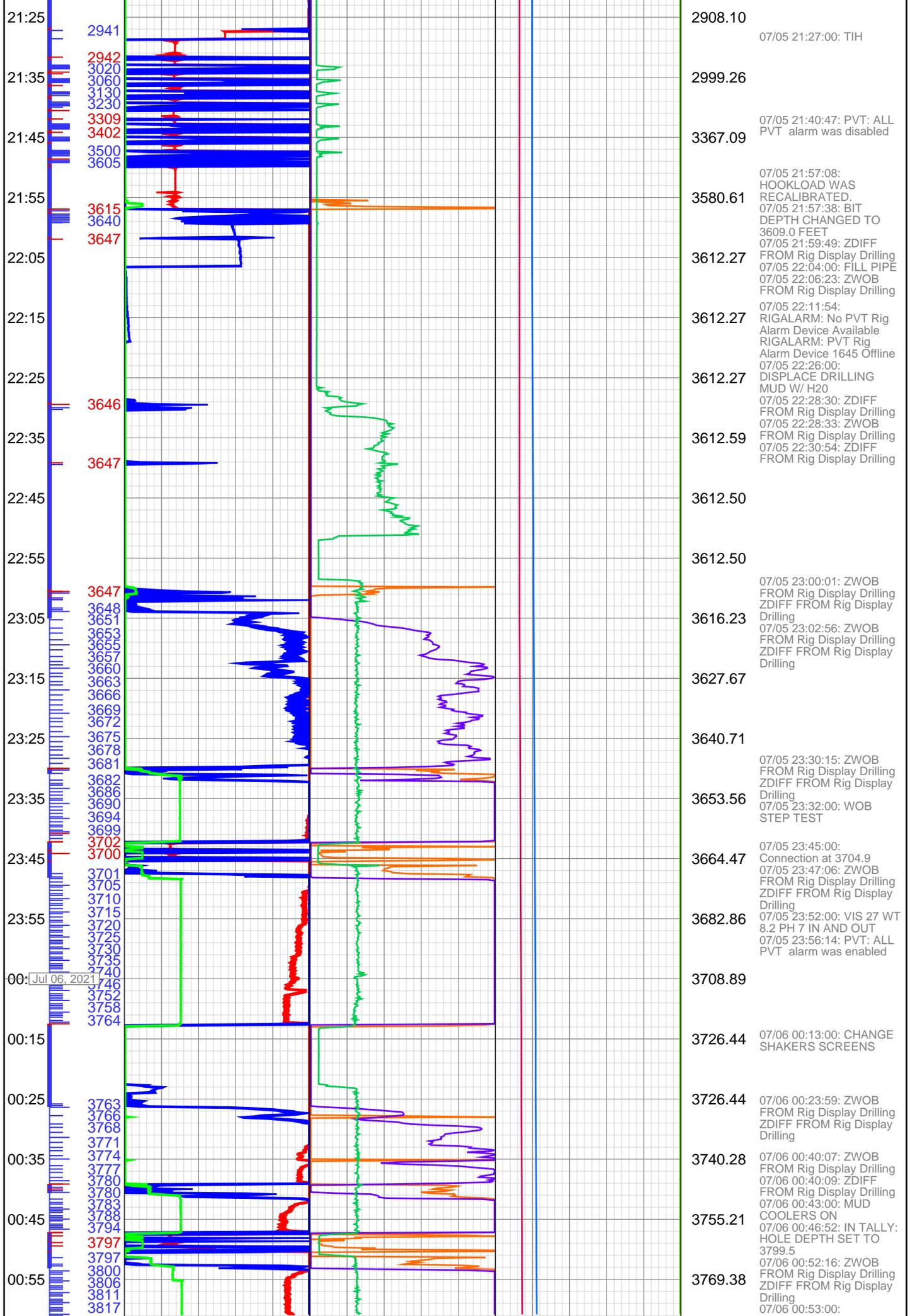


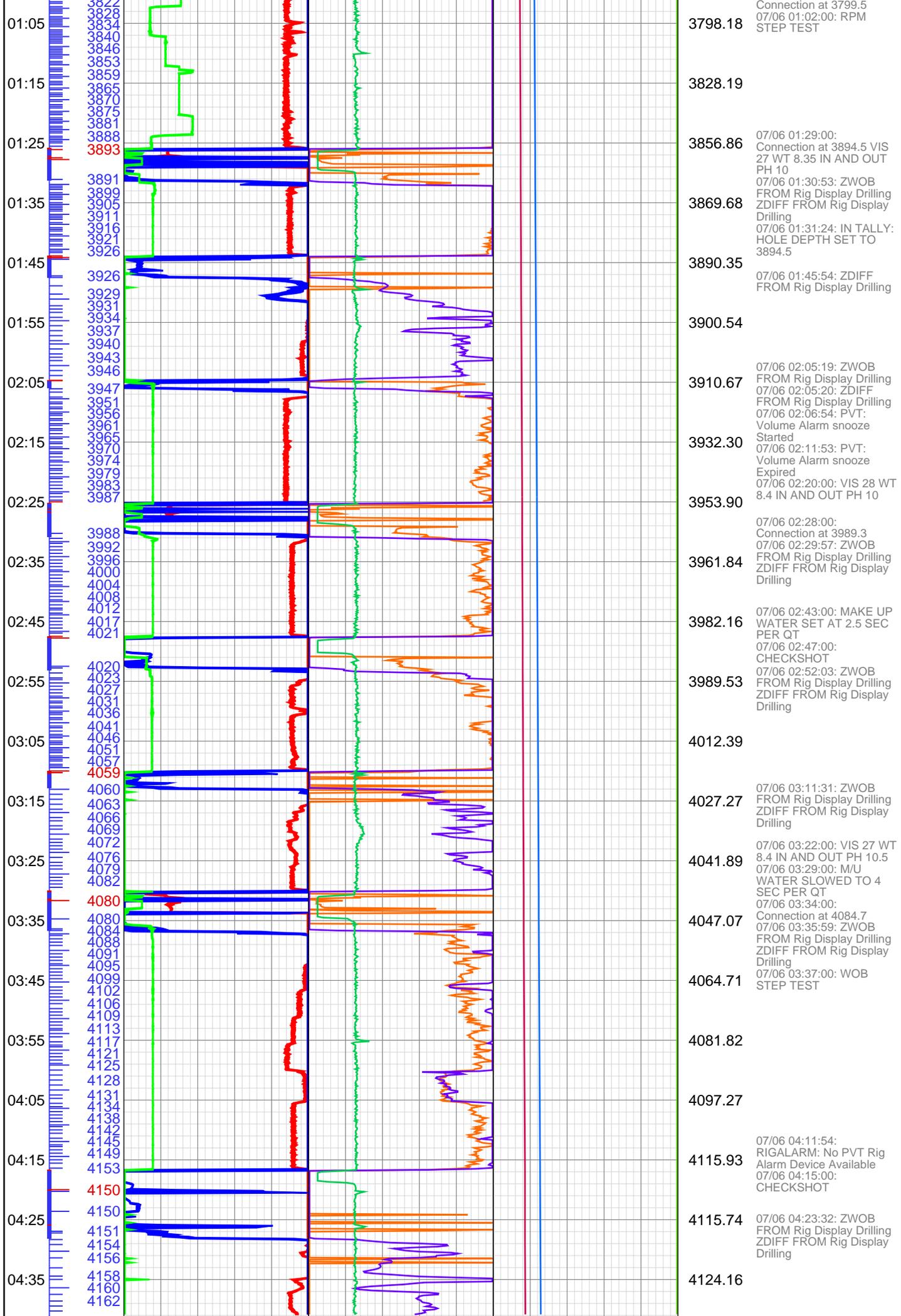


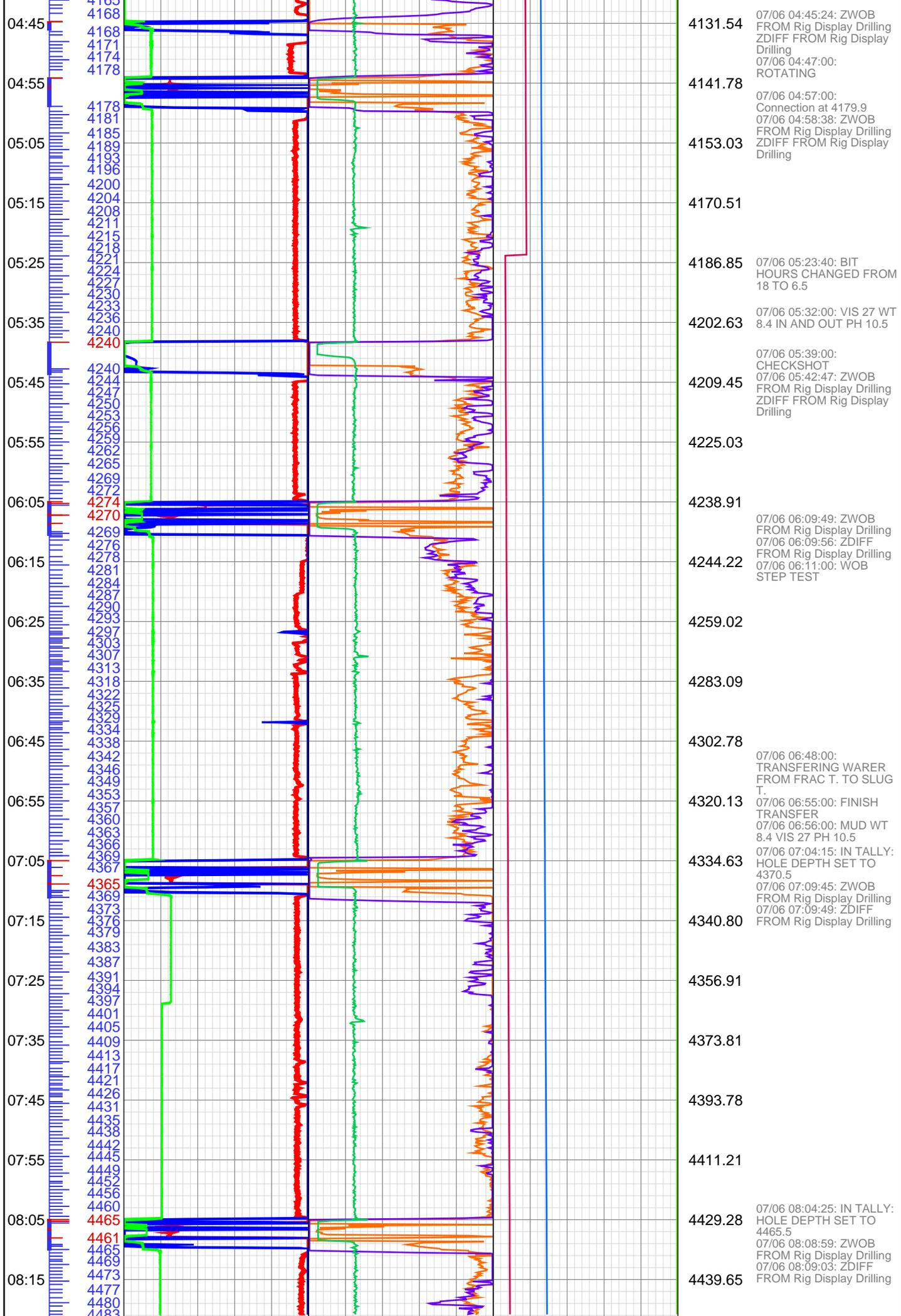






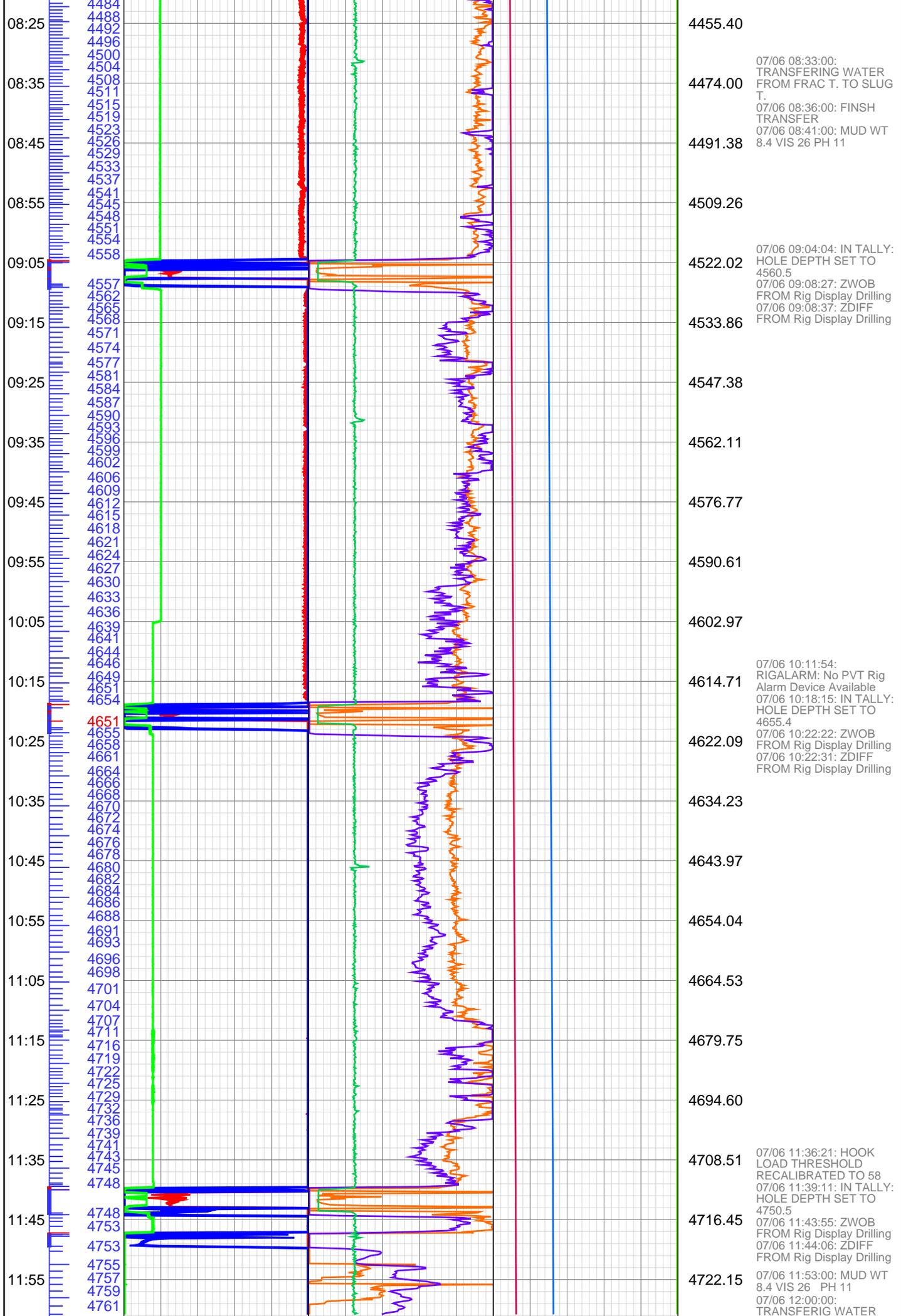




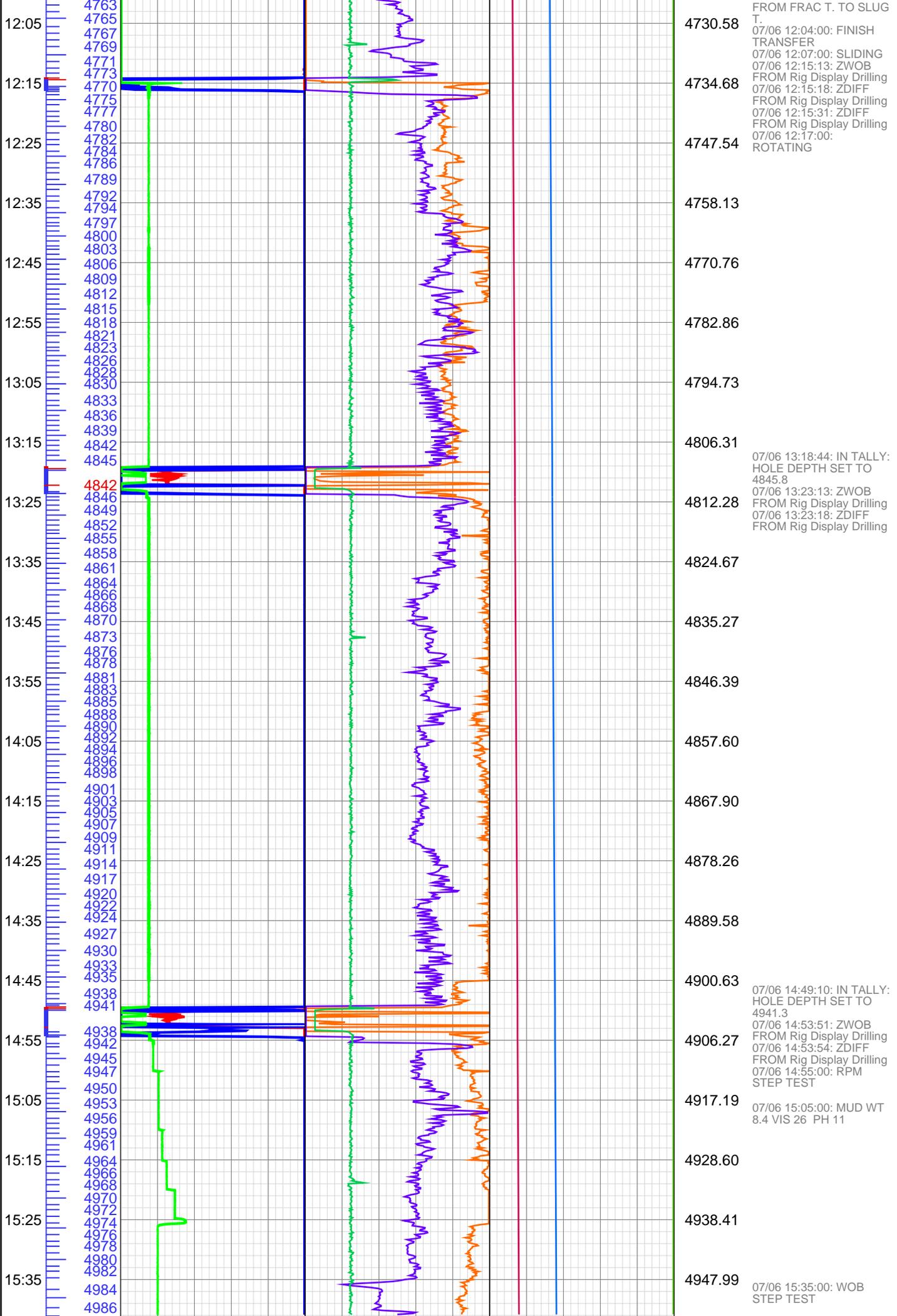


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4131.54 FROM Rig Display Drilling ZDIFF FROM Rig Display Drilling 07/06 04:45:24: ZWOB  
 4141.78 ROTATING 07/06 04:47:00: 07/06 04:57:00: Connection at 4179.9  
 4153.03 FROM Rig Display Drilling ZDIFF FROM Rig Display Drilling 07/06 04:58:38: ZWOB  
 4170.51  
 4186.85 07/06 05:23:40: BIT HOURS CHANGED FROM 18 TO 6.5  
 4202.63 07/06 05:32:00: VIS 27 WT 8.4 IN AND OUT PH 10.5  
 4209.45 07/06 05:39:00: CHECKSHOT 07/06 05:42:47: ZWOB FROM Rig Display Drilling ZDIFF FROM Rig Display Drilling  
 4225.03  
 4238.91 07/06 06:09:49: ZWOB FROM Rig Display Drilling 07/06 06:09:56: ZDIFF FROM Rig Display Drilling 07/06 06:11:00: WOB STEP TEST  
 4244.22  
 4259.02  
 4283.09  
 4302.78 07/06 06:48:00: TRANSFERING WARER FROM FRAC T. TO SLUG T.  
 4320.13 07/06 06:55:00: FINISH TRANSFER 07/06 06:56:00: MUD WT 8.4 VIS 27 PH 10.5  
 4334.63 07/06 07:04:15: IN TALLY: HOLE DEPTH SET TO 4370.5  
 4340.80 07/06 07:09:45: ZWOB FROM Rig Display Drilling 07/06 07:09:49: ZDIFF FROM Rig Display Drilling  
 4356.91  
 4373.81  
 4393.78  
 4411.21  
 4429.28 07/06 08:04:25: IN TALLY: HOLE DEPTH SET TO 4465.5  
 4439.65 07/06 08:08:59: ZWOB FROM Rig Display Drilling 07/06 08:09:03: ZDIFF FROM Rig Display Drilling



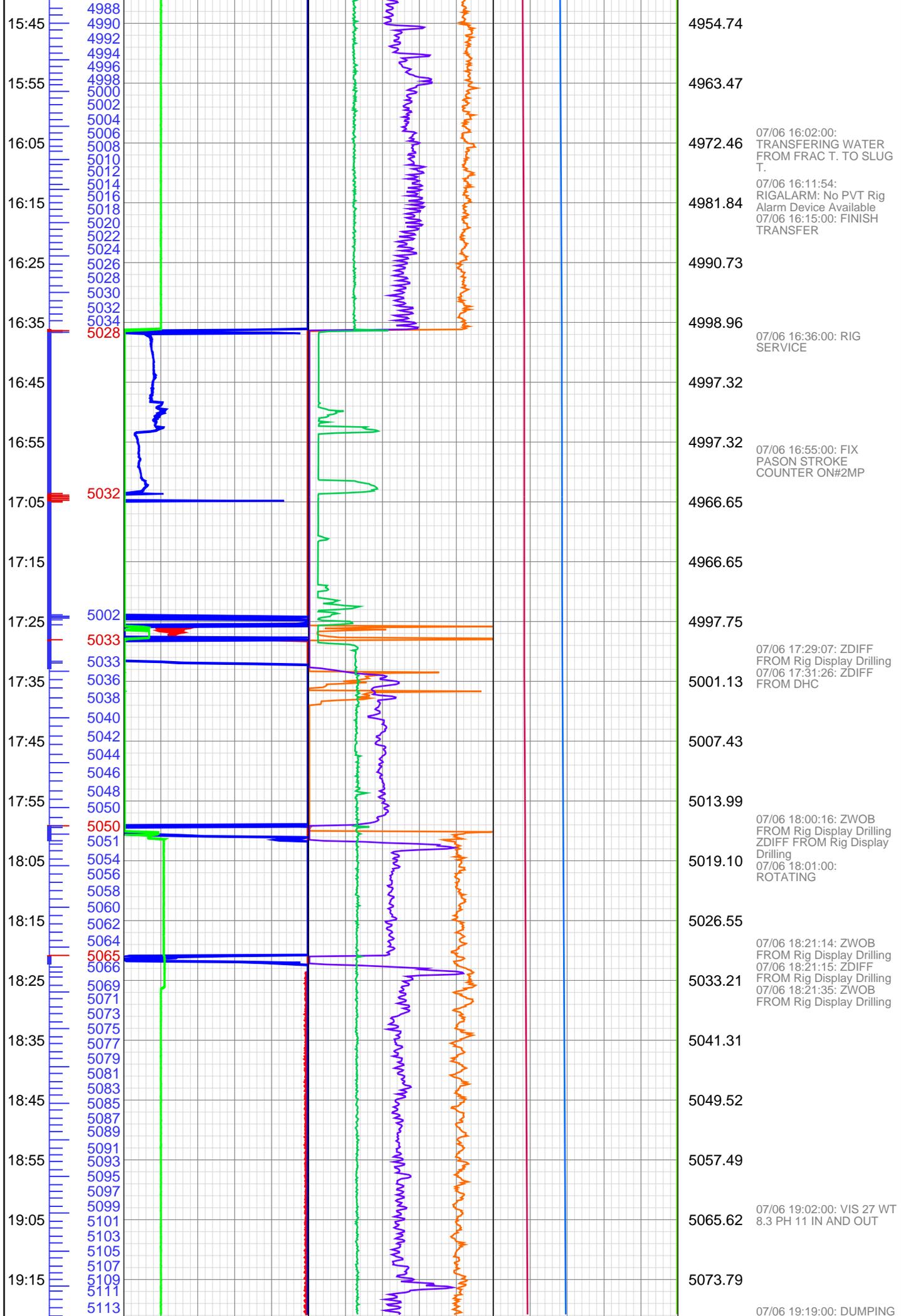


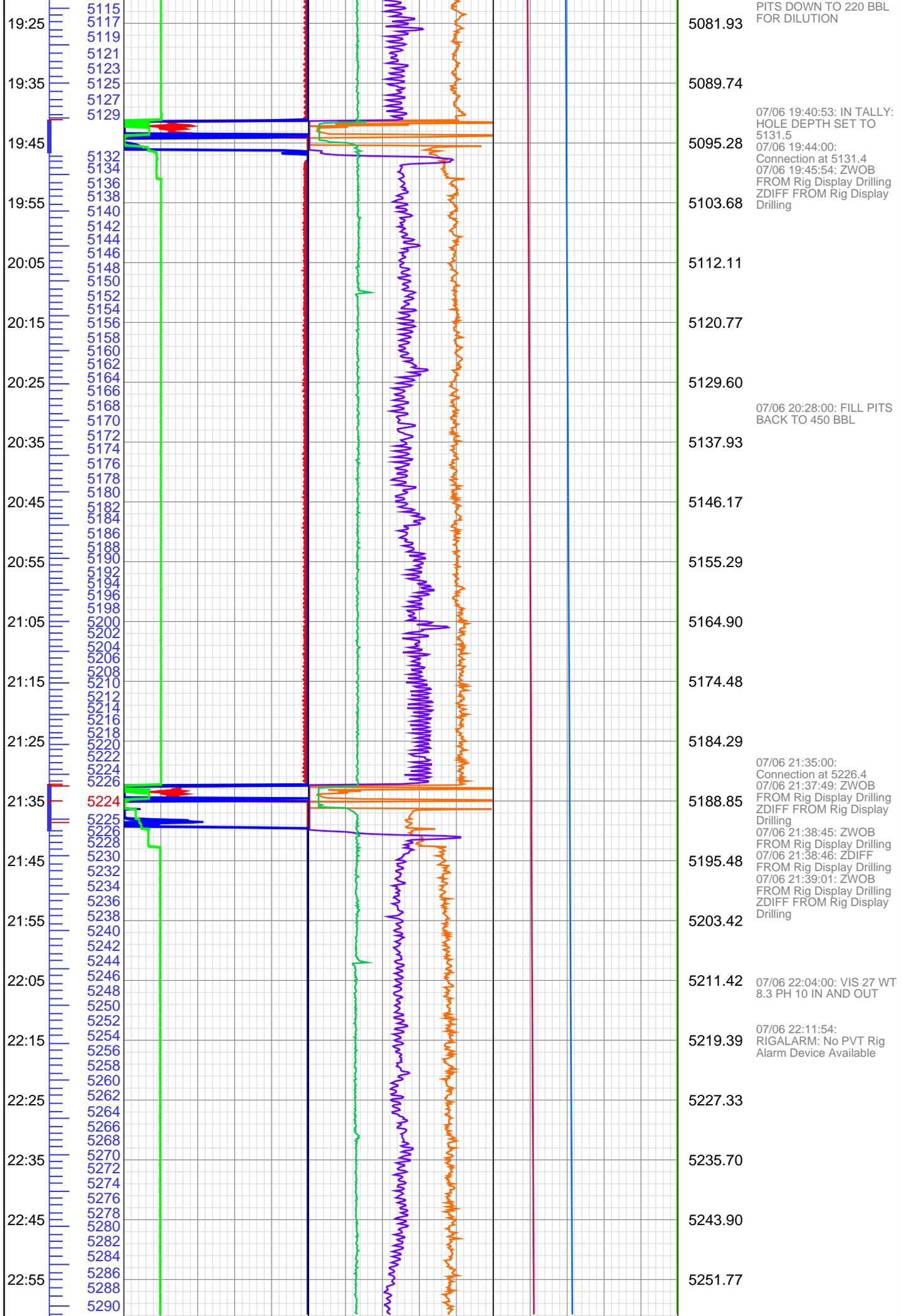


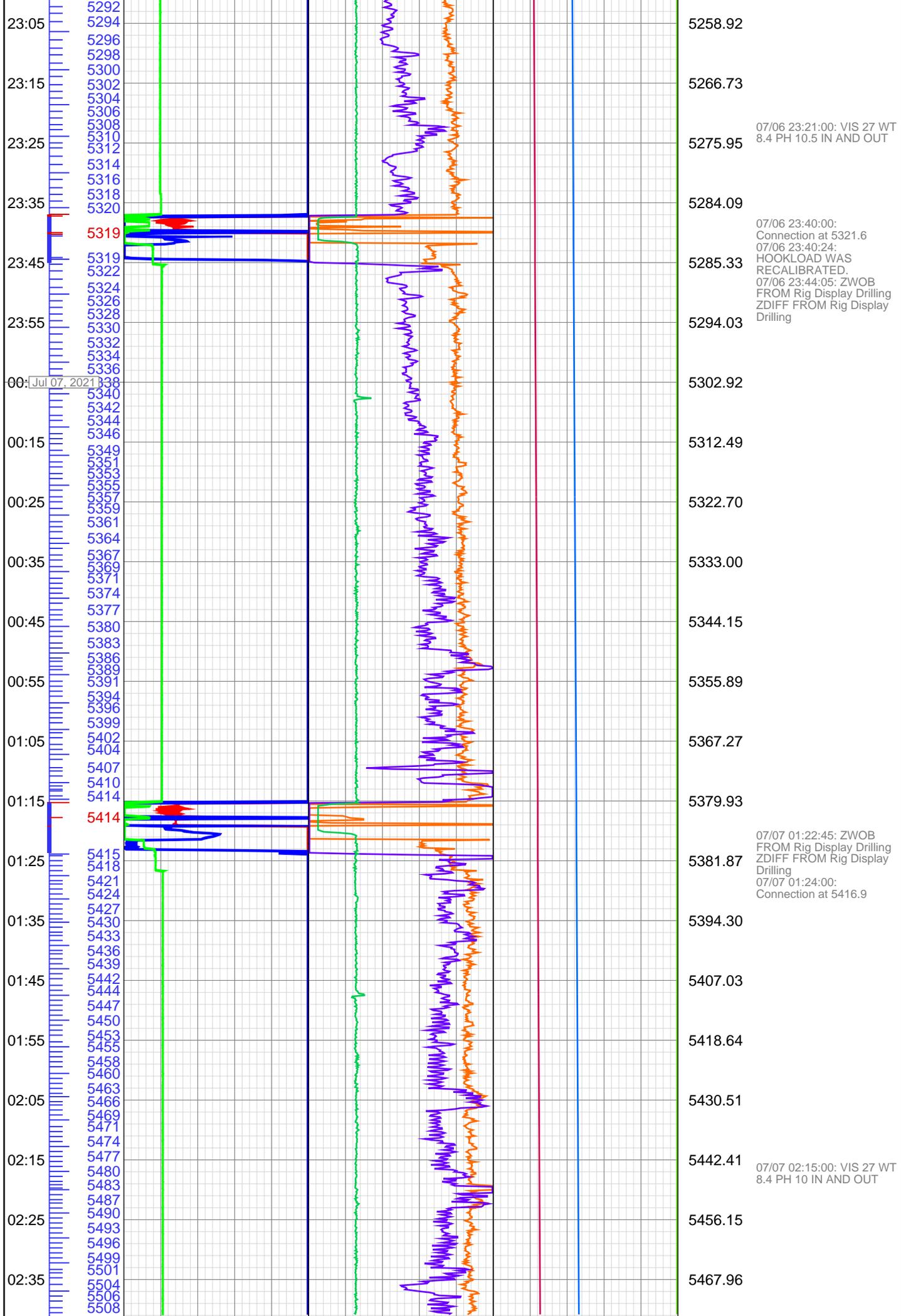
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4835.27  
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4857.60  
4867.90  
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4900.63  
4906.27  
4917.19  
4928.60  
4938.41  
4947.99

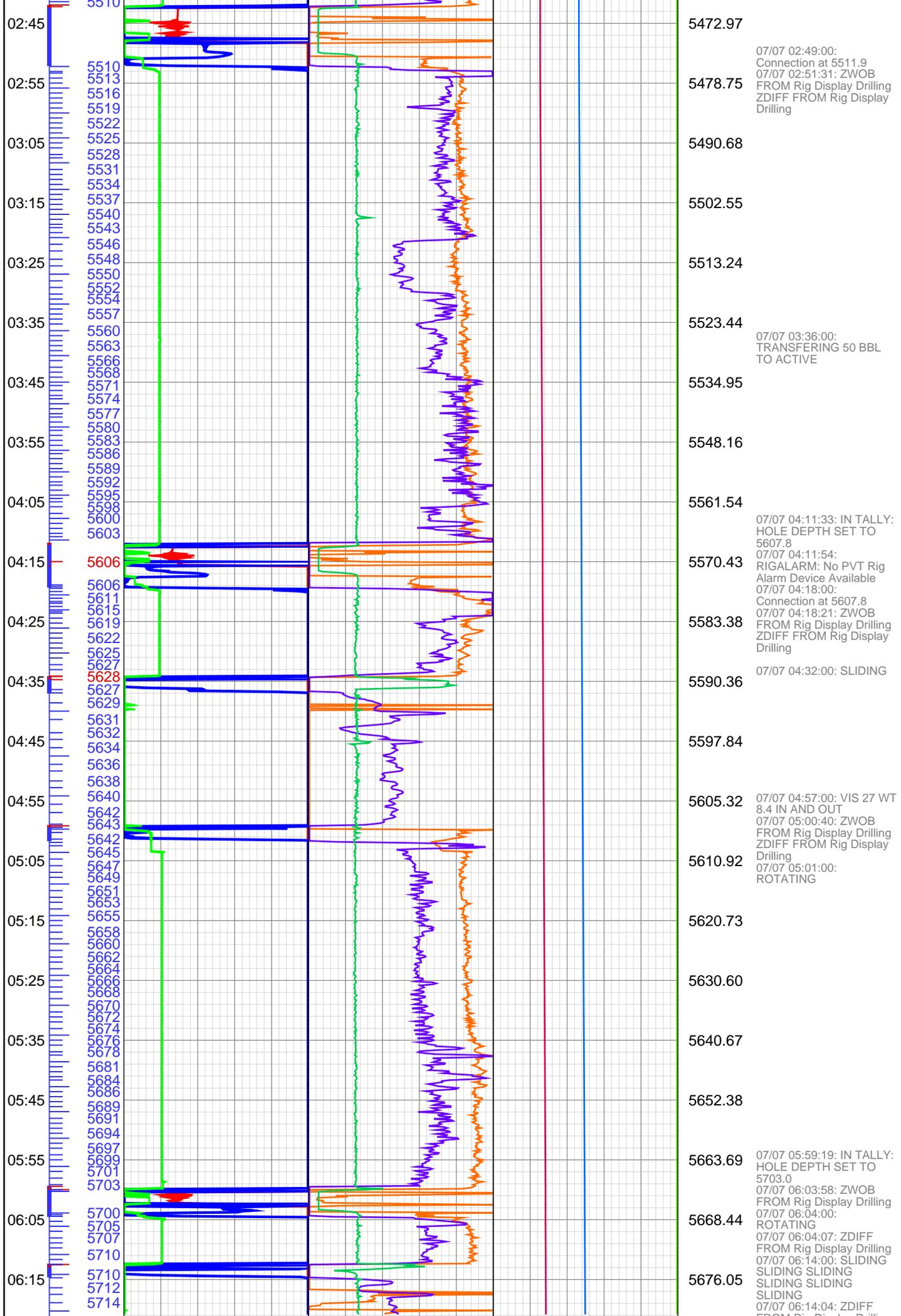
FROM FRAC T. TO SLUG T.  
07/06 12:04:00: FINISH TRANSFER  
07/06 12:07:00: SLIDING FROM Rig Display Drilling  
07/06 12:15:13: ZWOB FROM Rig Display Drilling  
07/06 12:15:18: ZDIFF FROM Rig Display Drilling  
07/06 12:15:31: ZDIFF FROM Rig Display Drilling  
07/06 12:17:00: ROTATING  
07/06 13:18:44: IN TALLY: HOLE DEPTH SET TO 4845.8  
07/06 13:23:13: ZWOB FROM Rig Display Drilling  
07/06 13:23:18: ZDIFF FROM Rig Display Drilling  
07/06 14:49:10: IN TALLY: HOLE DEPTH SET TO 4941.3  
07/06 14:53:51: ZWOB FROM Rig Display Drilling  
07/06 14:53:54: ZDIFF FROM Rig Display Drilling  
07/06 14:55:00: RPM STEP TEST  
07/06 15:05:00: MUD WT 8.4 VIS 26 PH 11  
07/06 15:35:00: WOB STEP TEST

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07/07 02:49:00:  
 Connection at 5511.9  
 07/07 02:51:31: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling

07/07 03:36:00:  
 TRANSFERING 50 BBL  
 TO ACTIVE

07/07 04:11:33: IN TALLY:  
 HOLE DEPTH SET TO  
 5607.8

07/07 04:11:54:  
 RIGALARM: No PVT Rig  
 Alarm Device Available

07/07 04:18:00:  
 Connection at 5607.8  
 07/07 04:18:21: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling

07/07 04:32:00: SLIDING

07/07 04:57:00: VIS 27 WT  
 8.4 IN AND OUT

07/07 05:00:40: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling

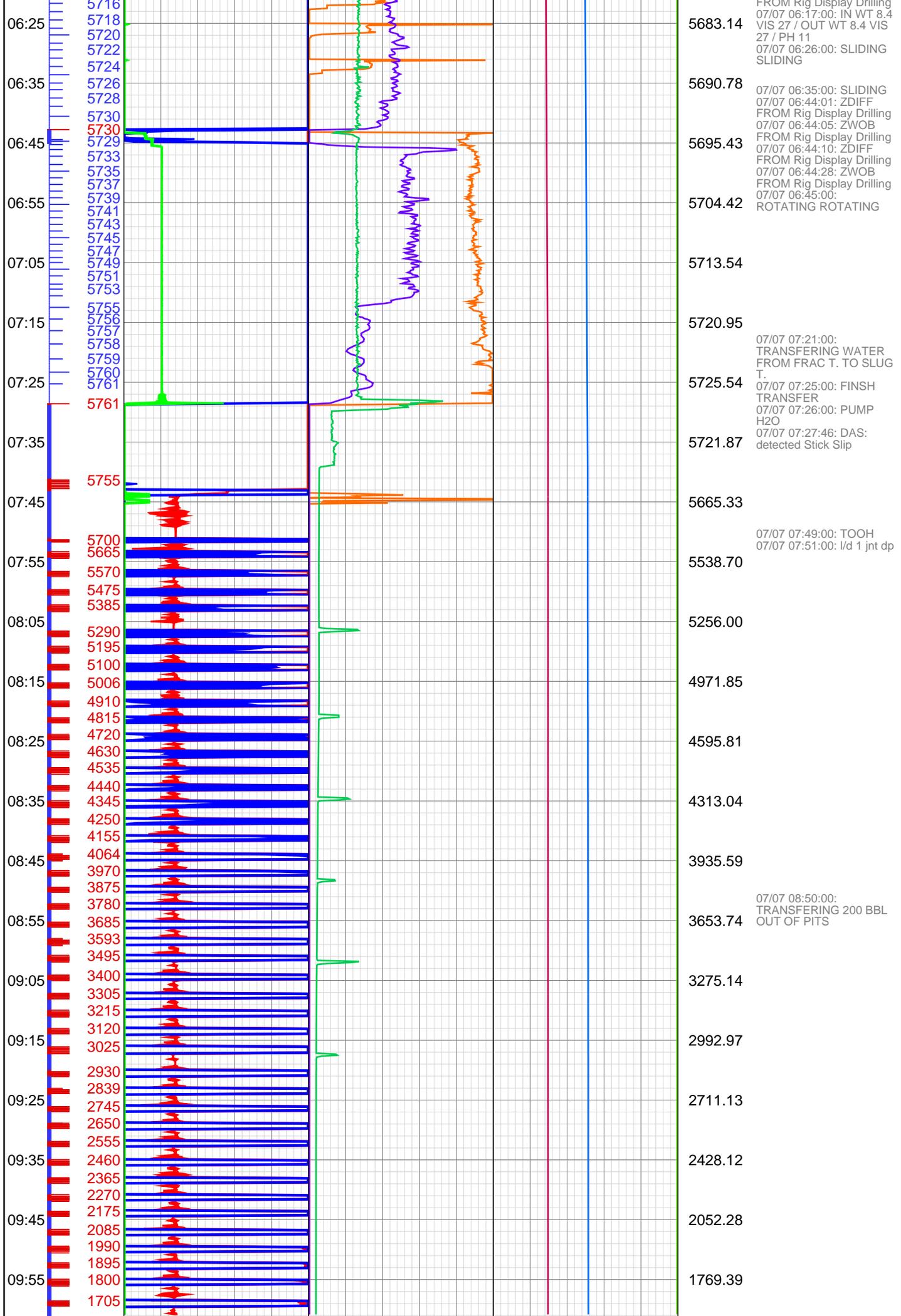
07/07 05:01:00:  
 ROTATING

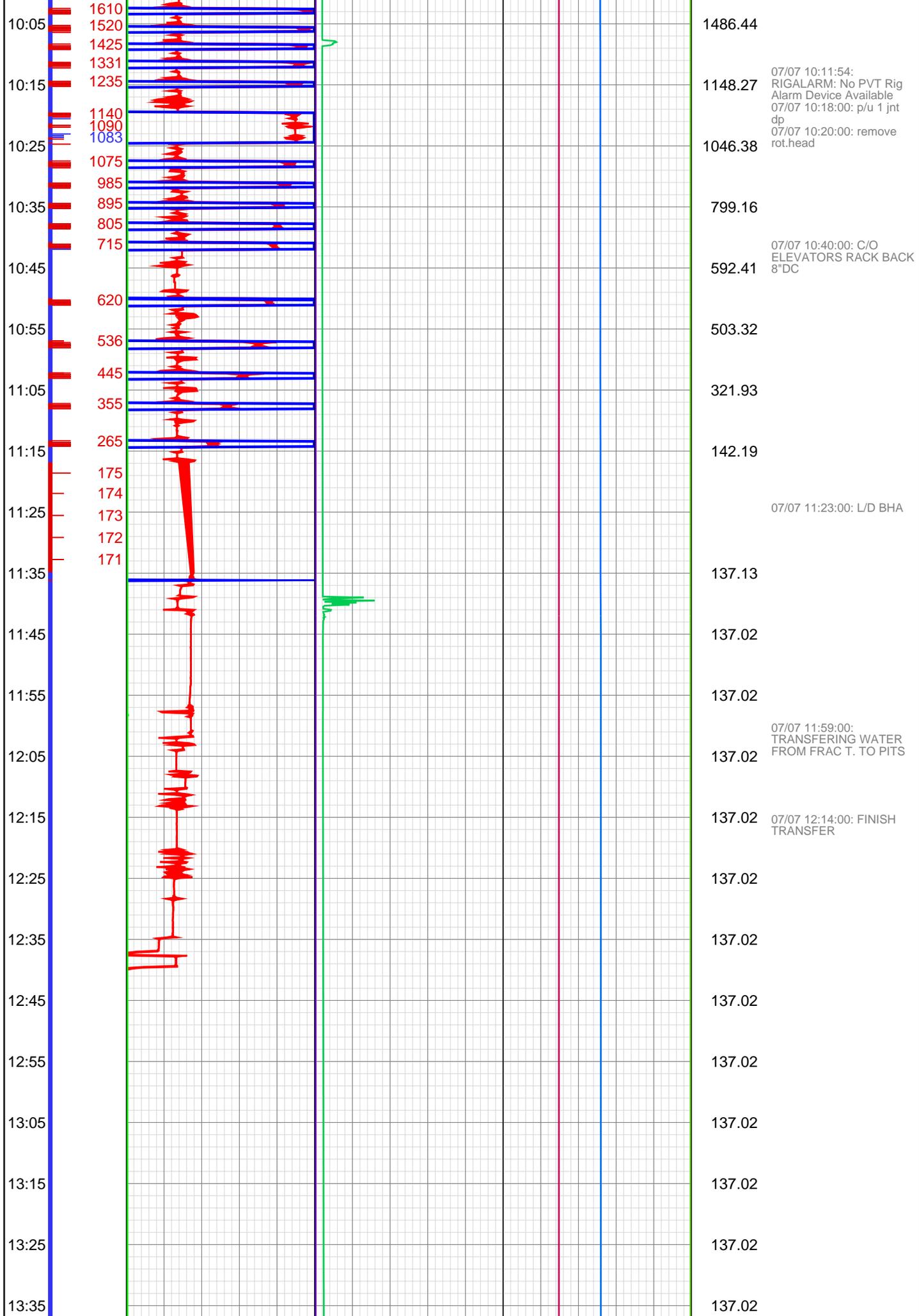
07/07 05:59:19: IN TALLY:  
 HOLE DEPTH SET TO  
 5703.0

07/07 06:03:58: ZWOB  
 FROM Rig Display Drilling  
 07/07 06:04:00:  
 ROTATING

07/07 06:04:07: ZDIFF  
 FROM Rig Display Drilling  
 07/07 06:14:00: SLIDING  
 SLIDING SLIDING

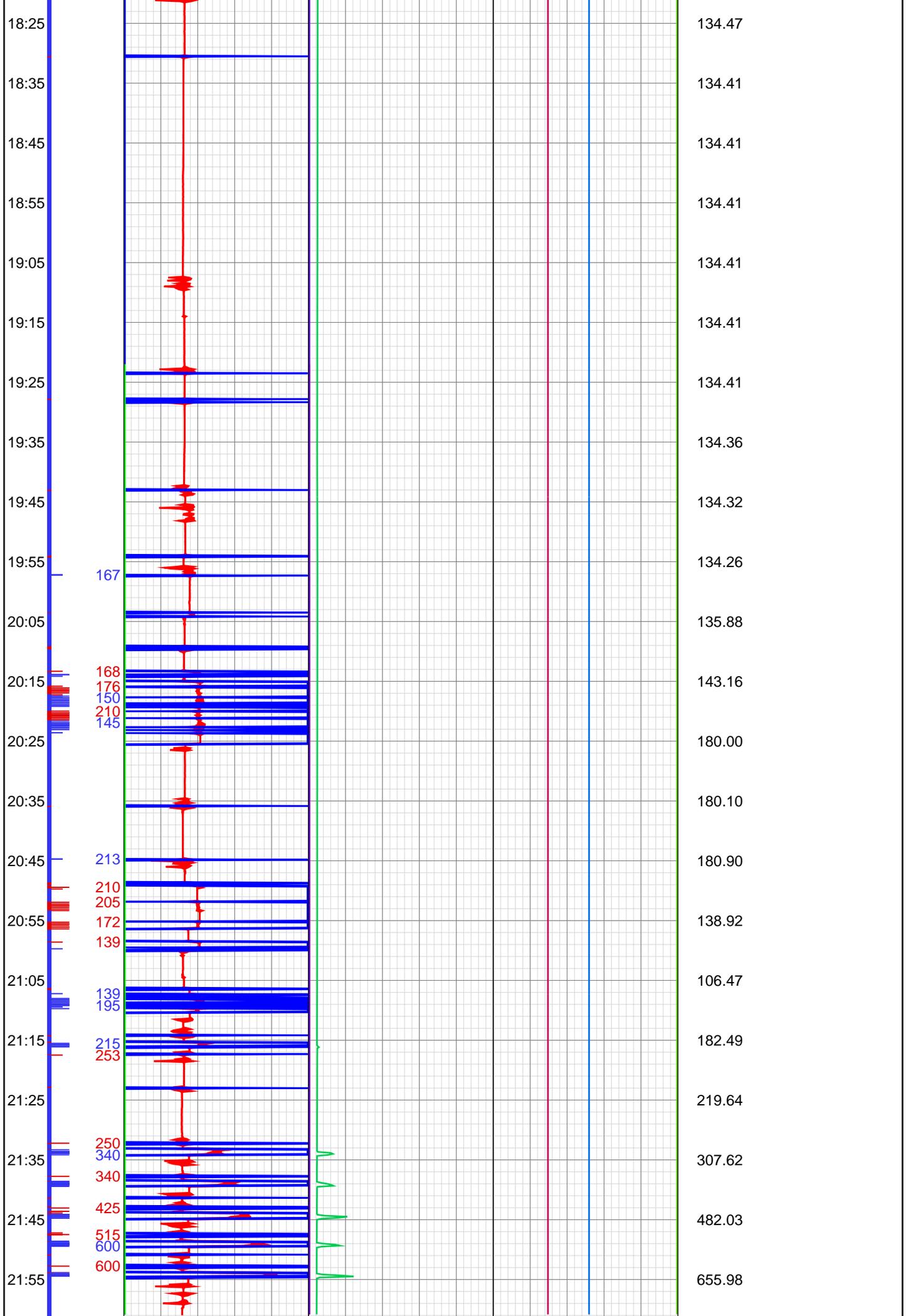
07/07 06:14:04: ZDIFF  
 FROM Rig Display Drilling











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2995.66

07/07 23:12:30:  
HOOKLOAD WAS  
RECALIBRATED.

07/08 00:10:09:  
RIGALARM: No PVT Rig  
Alarm Device Available  
07/08 00:12:19: BIT  
DEPTH CHANGED TO  
2945.0 FEET

07/08 01:33:00: FILL PIPE  
07/08 01:33:07: BIT  
DEPTH CHANGED TO  
3030.0 FEET  
07/08 01:35:38: ZDIFF  
FROM Rig Display Drilling  
07/08 01:36:15: ZWOB  
FROM Rig Display Drilling

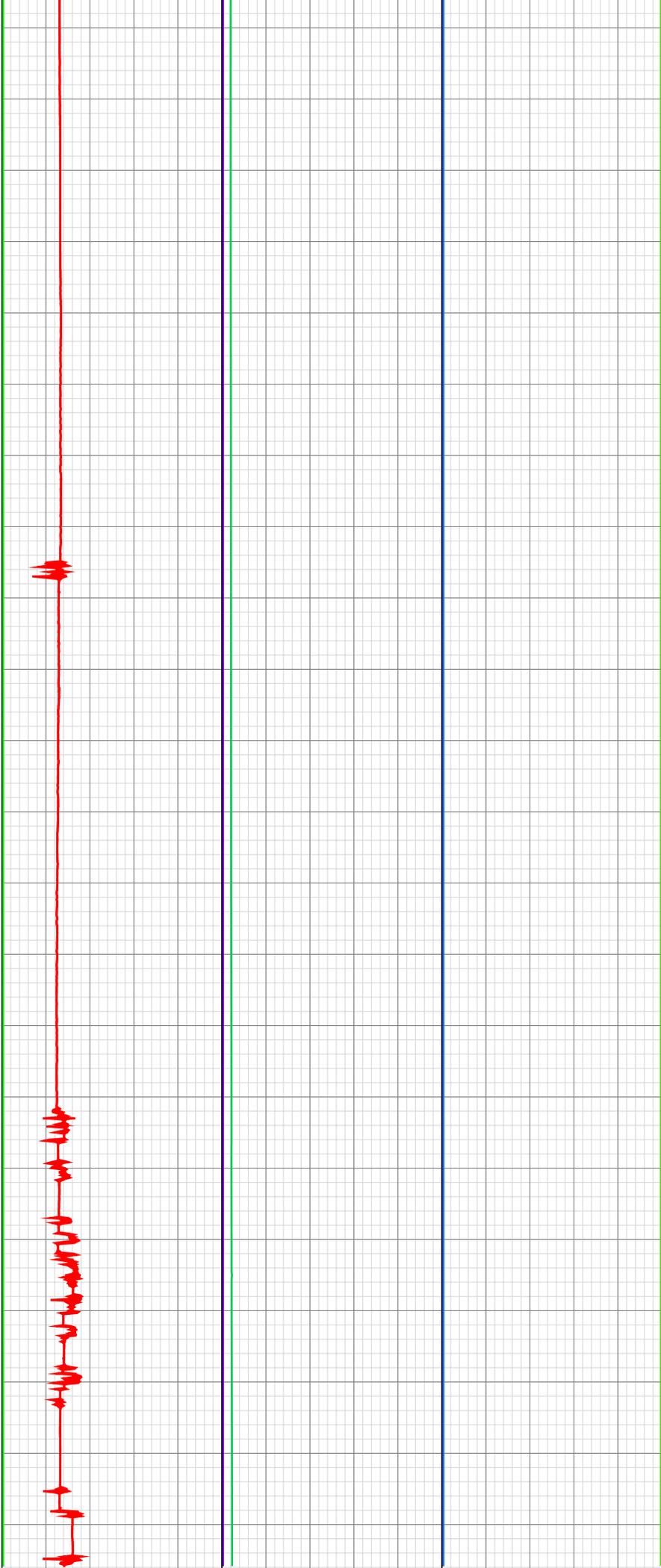
Jul 08, 2021





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07/08 12:10:09:  
RIGALARM: No PVT Rig  
Alarm Device Available

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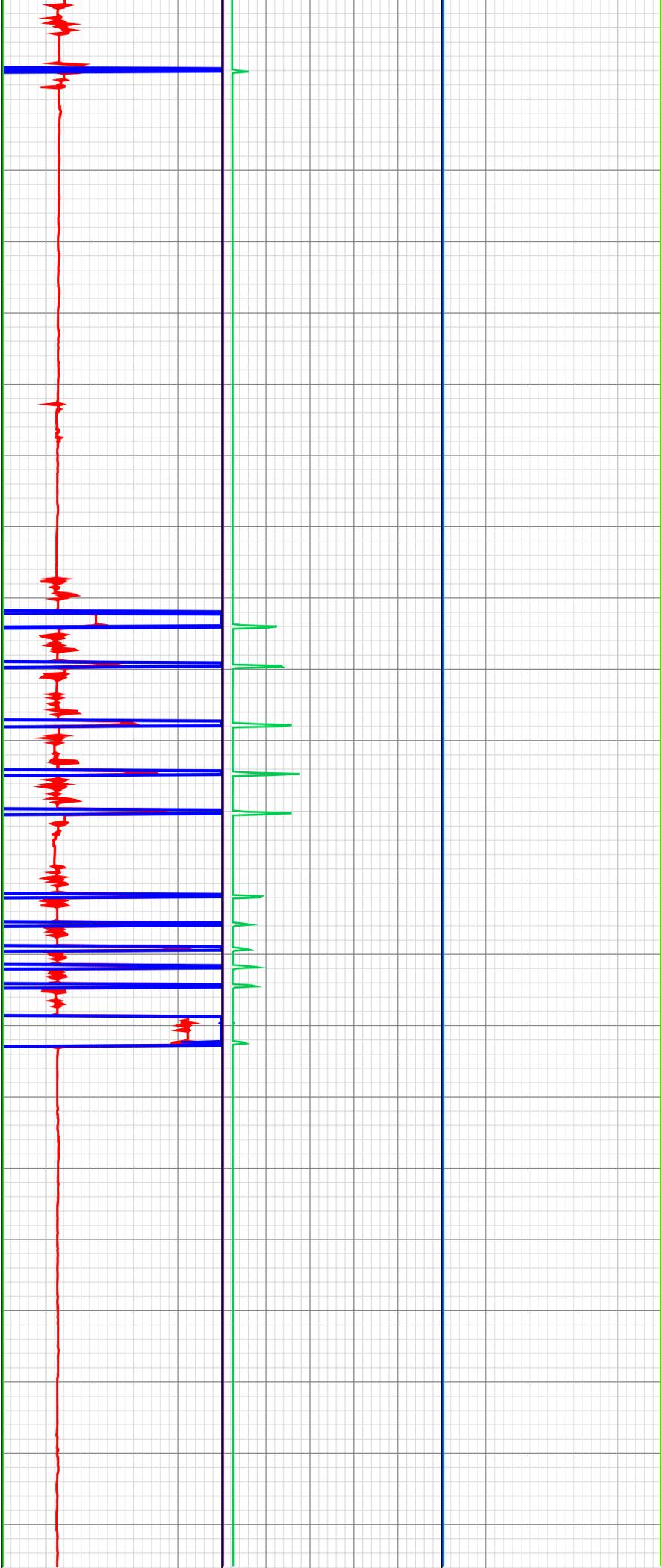
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262.37  
353.35  
485.66  
534.03  
807.23  
1004.22  
1084.59  
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07/08 13:53:17:  
QUADRATURE  
RECALIBRATED TO  
-0.0183908045  
07/08 13:53:29:  
QUADRATURE  
RECALIBRATED TO  
0.0183908045

07/08 14:07:54: BIT  
DEPTH CHANGED TO  
125.5 FEET

07/08 15:21:01: Smart  
Alarms: Off





20:05

1084.59

20:15

1084.59

20:25

1084.59

07/08 20:21:00: Smart Alarms: Off

20:35

1084.59

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07/09 06:10:09:  
RIGALARM: No PVT Rig  
Alarm Device Available

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07/09 18:10:09:  
RIGALARM: No PVT Rig  
Alarm Device Available

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07/10 06:10:09:  
RIGALARM: No PVT Rig  
Alarm Device Available

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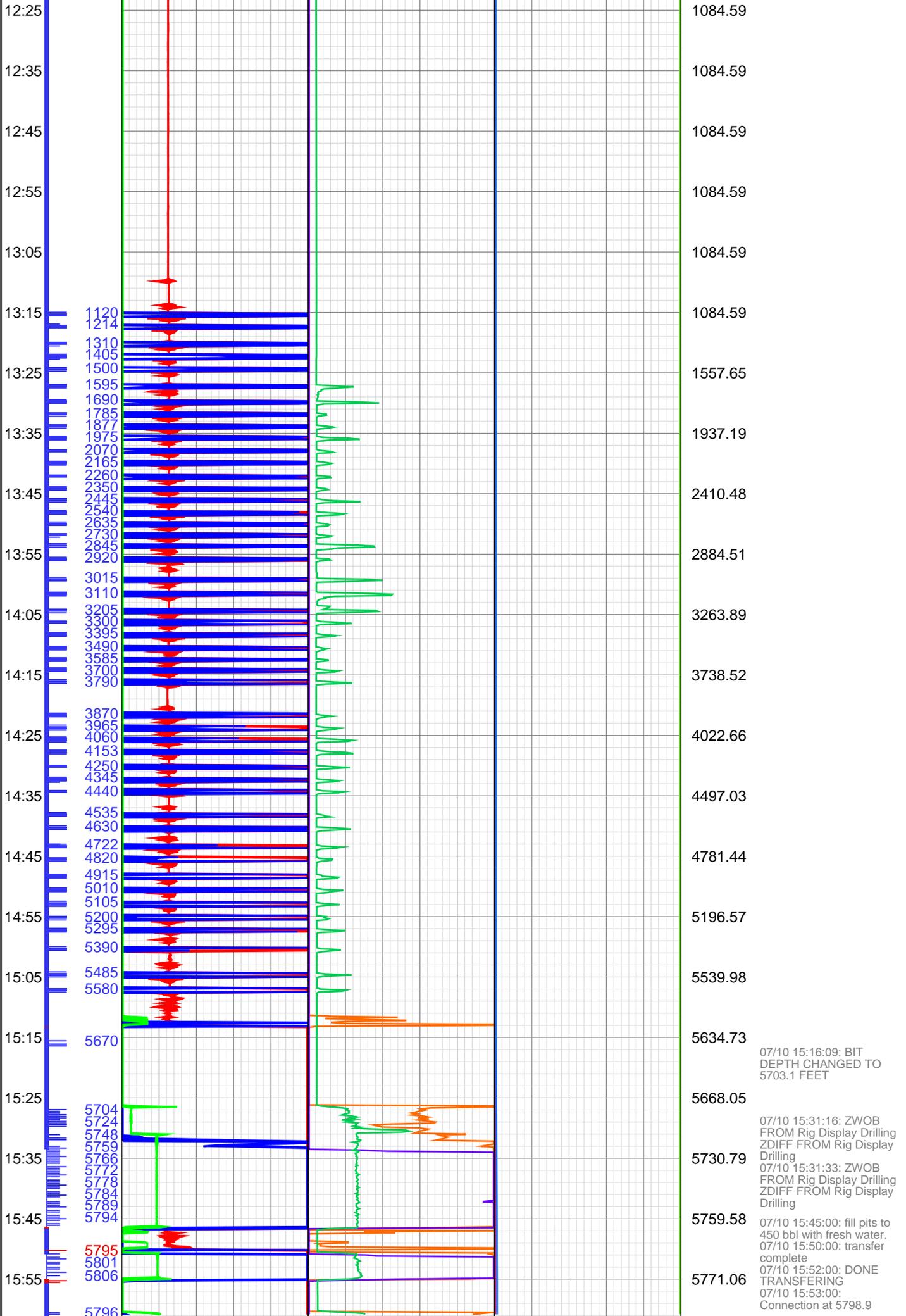
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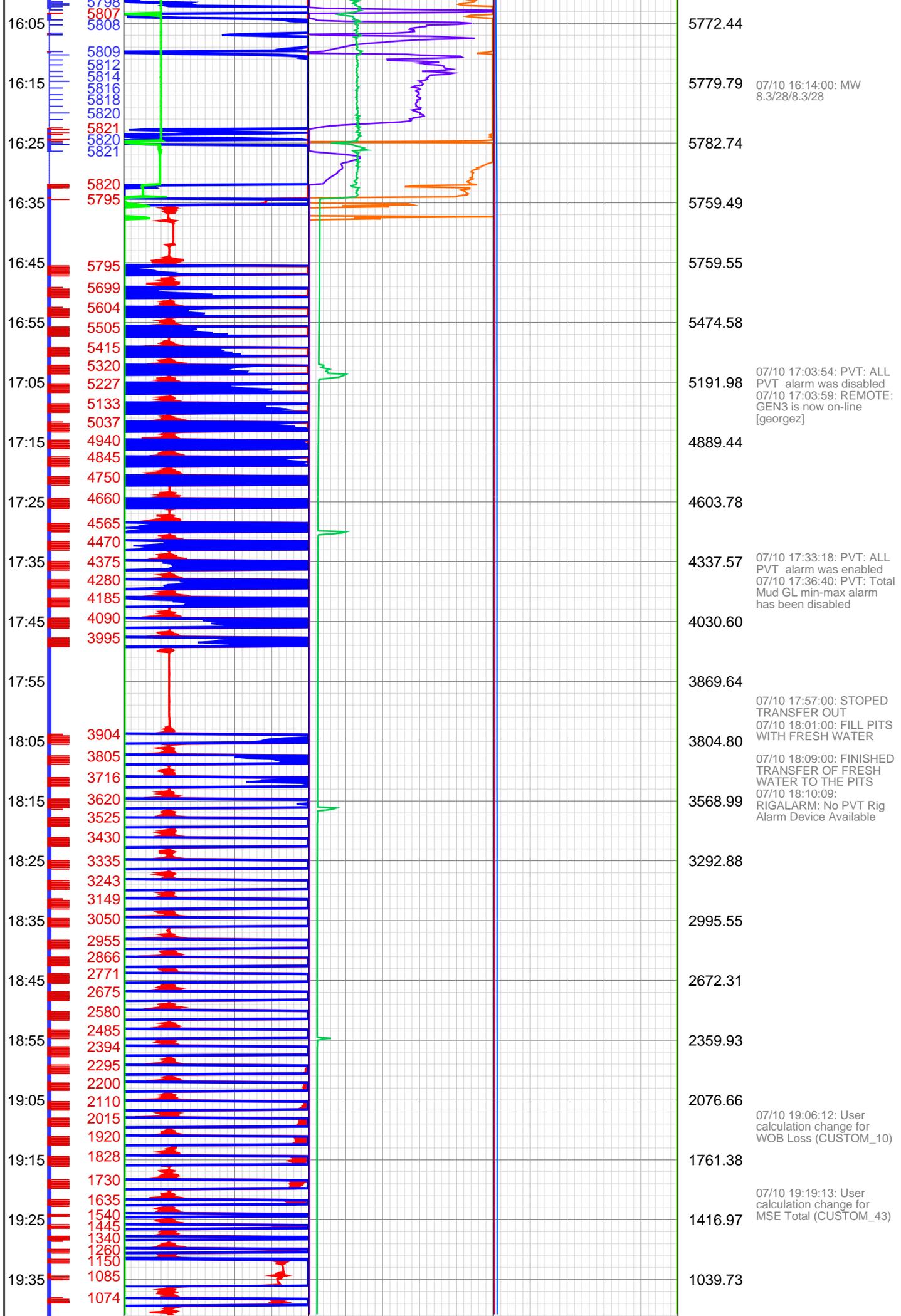
07/10 12:10:09:  
RIGALARM: No PVT Rig  
Alarm Device Available

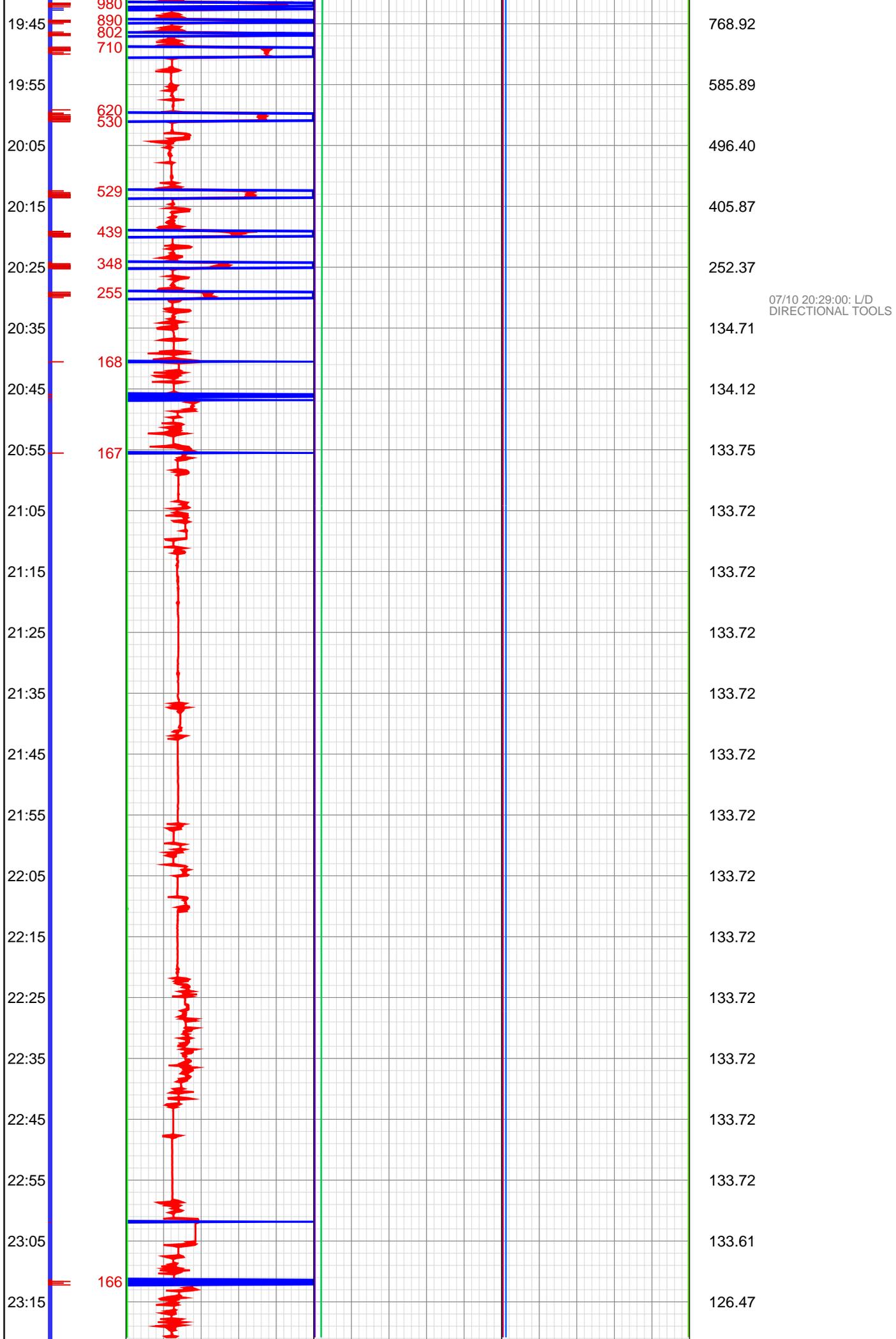


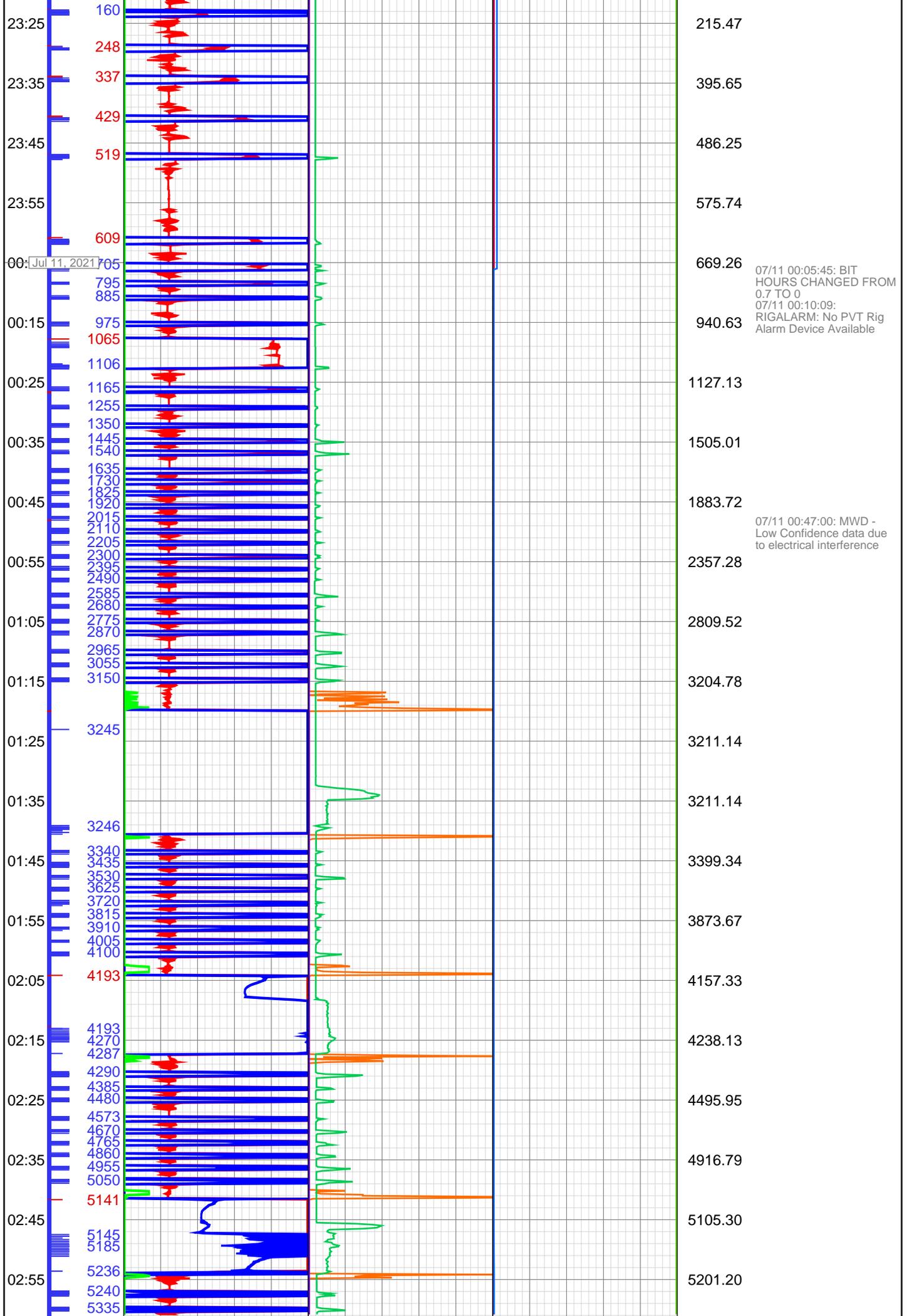
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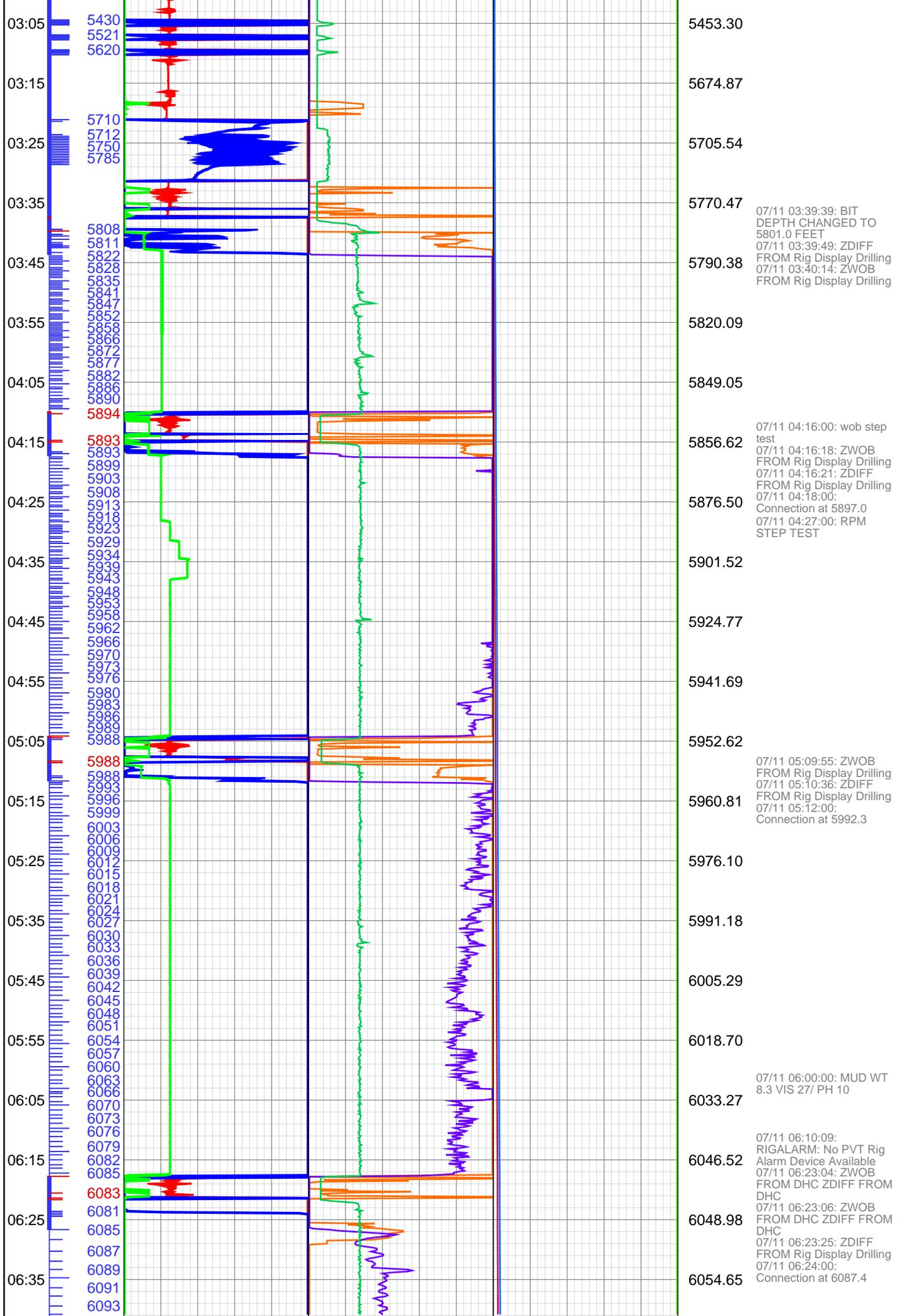
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 3738.52  
 4022.66  
 4497.03  
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 5196.57  
 5539.98  
 5634.73  
 5668.05  
 5730.79  
 5759.58  
 5771.06

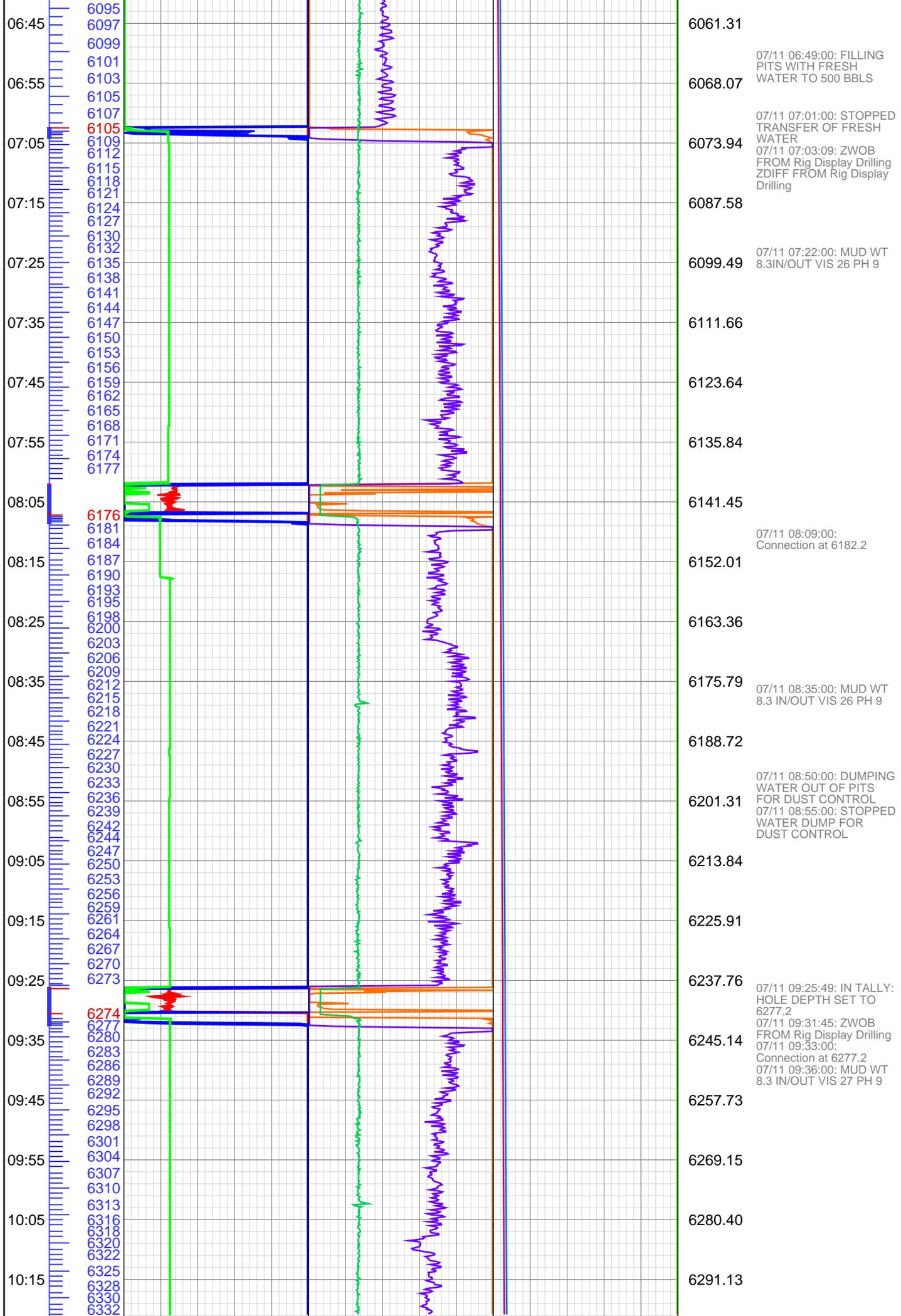
07/10 15:16:09: BIT  
 DEPTH CHANGED TO  
 5703.1 FEET  
  
 07/10 15:31:16: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling  
 07/10 15:31:33: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling  
 07/10 15:45:00: fill pits to  
 450 bbl with fresh water.  
 07/10 15:50:00: transfer  
 complete  
 07/10 15:52:00: DONE  
 TRANSFERING  
 07/10 15:53:00:  
 Connection at 5798.9







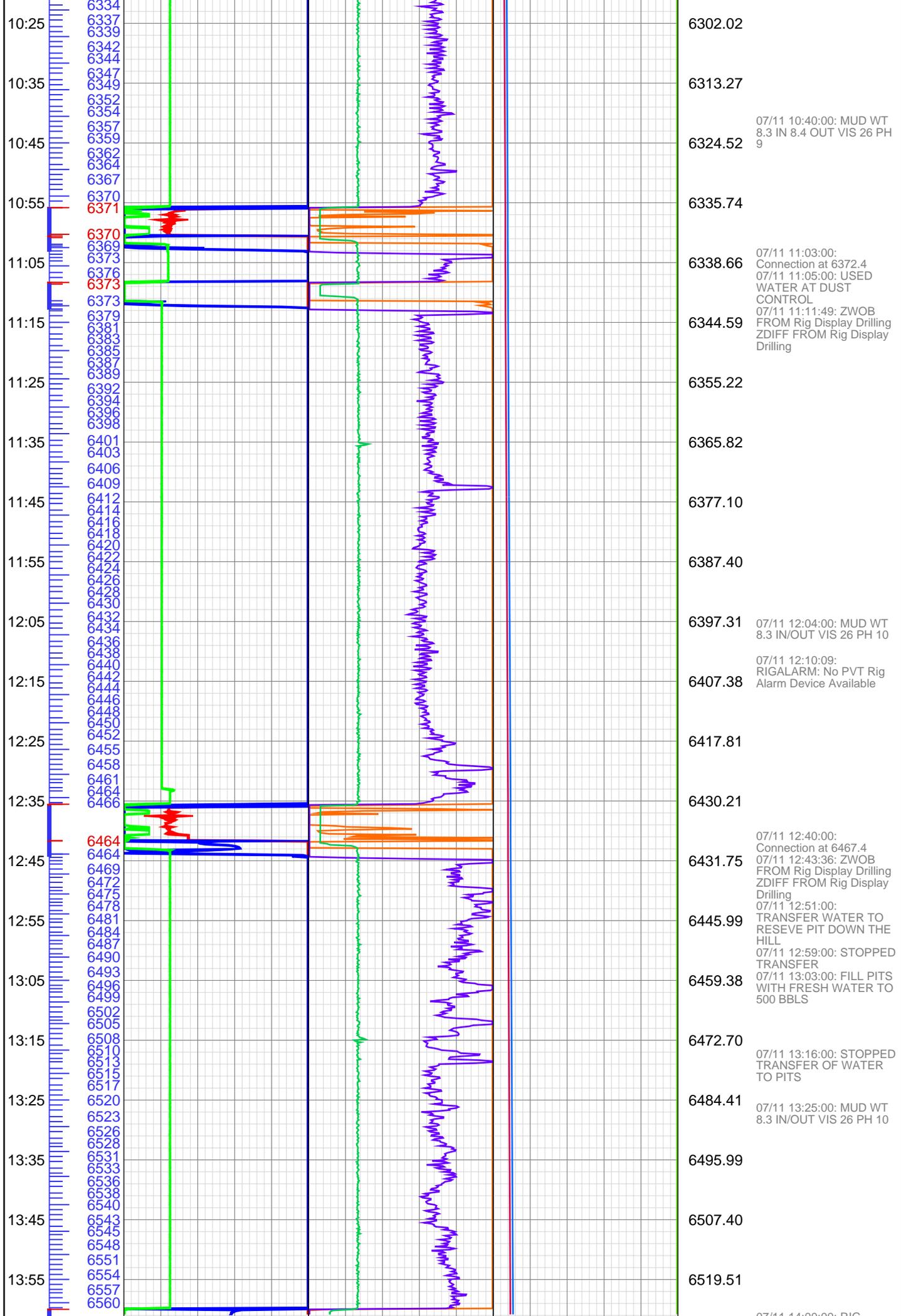




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6061.31  
  
07/11 06:49:00: FILLING PITS WITH FRESH WATER TO 500 BBLS  
6068.07  
  
07/11 07:01:00: STOPPED TRANSFER OF FRESH WATER  
6073.94  
07/11 07:03:09: ZWOB FROM Rig Display Drilling ZDIFF FROM Rig Display Drilling  
6087.58  
  
07/11 07:22:00: MUD WT 8.3IN/OUT VIS 26 PH 9  
6099.49  
  
6111.66  
6123.64  
6135.84  
6141.45  
  
07/11 08:09:00: Connection at 6182.2  
6152.01  
6163.36  
6175.79  
07/11 08:35:00: MUD WT 8.3 IN/OUT VIS 26 PH 9  
6188.72  
  
07/11 08:50:00: DUMPING WATER OUT OF PITS FOR DUST CONTROL  
6201.31  
07/11 08:55:00: STOPPED WATER DUMP FOR DUST CONTROL  
6213.84  
6225.91  
6237.76  
07/11 09:25:49: IN TALLY: HOLE DEPTH SET TO 6277.2  
6245.14  
07/11 09:31:45: ZWOB FROM Rig Display Drilling  
07/11 09:33:00: Connection at 6277.2  
07/11 09:36:00: MUD WT 8.3 IN/OUT VIS 27 PH 9  
6257.73  
6269.15  
6280.40  
6291.13



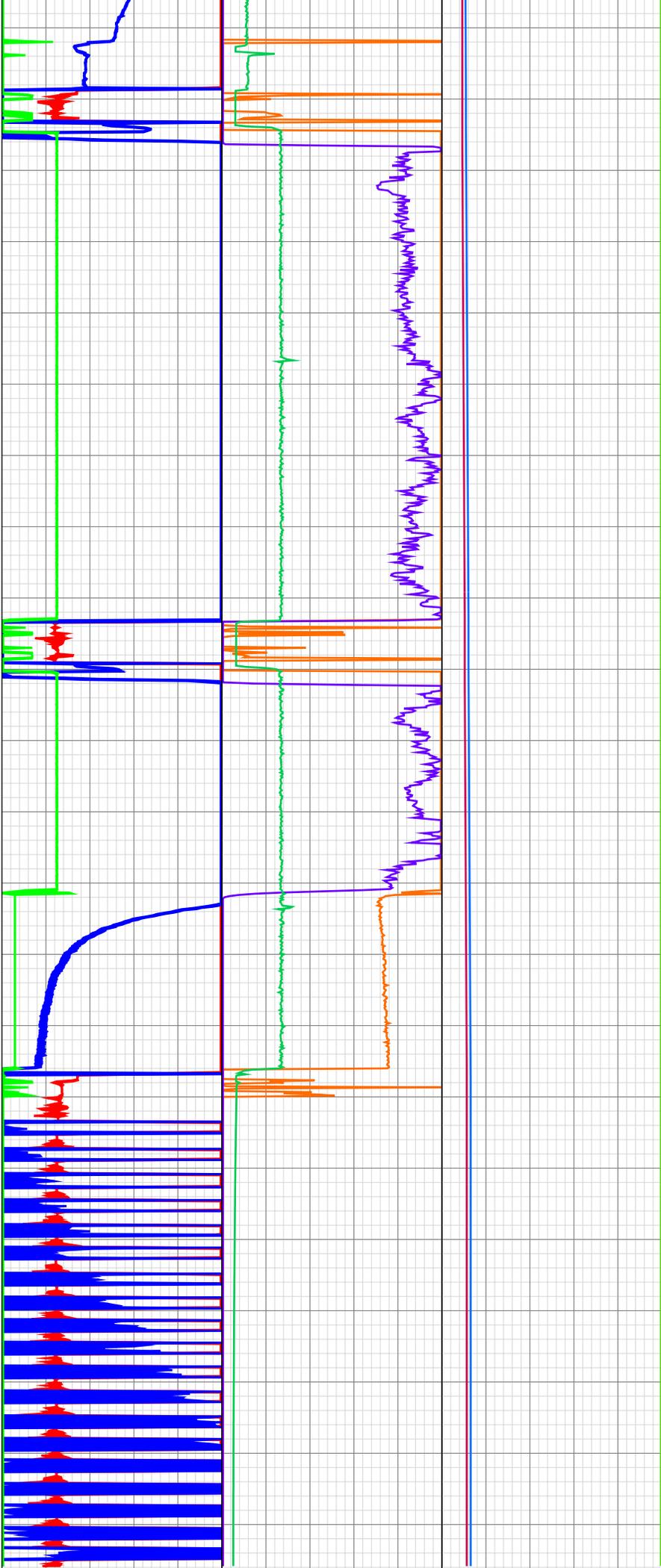


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6302.02  
6313.27  
6324.52 07/11 10:40:00: MUD WT  
8.3 IN 8.4 OUT VIS 26 PH  
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6335.74  
6338.66 07/11 11:03:00:  
Connection at 6372.4  
07/11 11:05:00: USED  
WATER AT DUST  
CONTROL  
07/11 11:11:49: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
6344.59  
6355.22  
6365.82  
6377.10  
6387.40  
6397.31 07/11 12:04:00: MUD WT  
8.3 IN/OUT VIS 26 PH 10  
6407.38 07/11 12:10:09:  
RIGALARM: No PVT Rig  
Alarm Device Available  
6417.81  
6430.21  
6431.75 07/11 12:40:00:  
Connection at 6467.4  
07/11 12:43:36: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/11 12:51:00:  
TRANSFER WATER TO  
RESEVE PIT DOWN THE  
HILL  
07/11 12:59:00: STOPPED  
TRANSFER  
07/11 13:03:00: FILL PITS  
WITH FRESH WATER TO  
500 BBLs  
6445.99  
6459.38  
6472.70 07/11 13:16:00: STOPPED  
TRANSFER OF WATER  
TO PITS  
6484.41 07/11 13:25:00: MUD WT  
8.3 IN/OUT VIS 26 PH 10  
6495.99  
6507.40  
6519.51  
07/11 14:00:00: DIC

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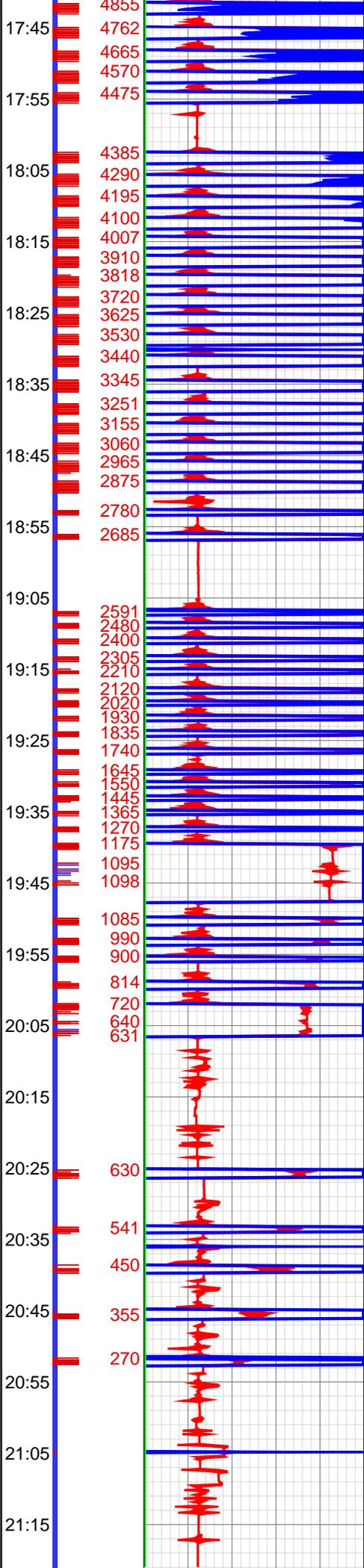


6521.97  
6522.66  
6531.98  
6545.13

07/11 14:00:00: RIG SERVICE  
07/11 14:20:18: ZWOB FROM Rig Display Drilling  
07/11 14:20:19: ZDIFF FROM Rig Display Drilling  
07/11 14:21:32: IN TALLY: HOLE DEPTH SET TO 6562.4  
07/11 14:22:00: Connection at 6562.4  
07/11 14:38:00: MUD WT 8.3 IN/OUT VIS 26 PH 10

07/11 15:35:59: ZWOB FROM Rig Display Drilling  
07/11 15:36:00: ZDIFF FROM Rig Display Drilling  
07/11 15:37:00: Connection at 6657.8

07/11 15:52:00: MUD WT 8.3 IN/OUT VIS 26 PH 10



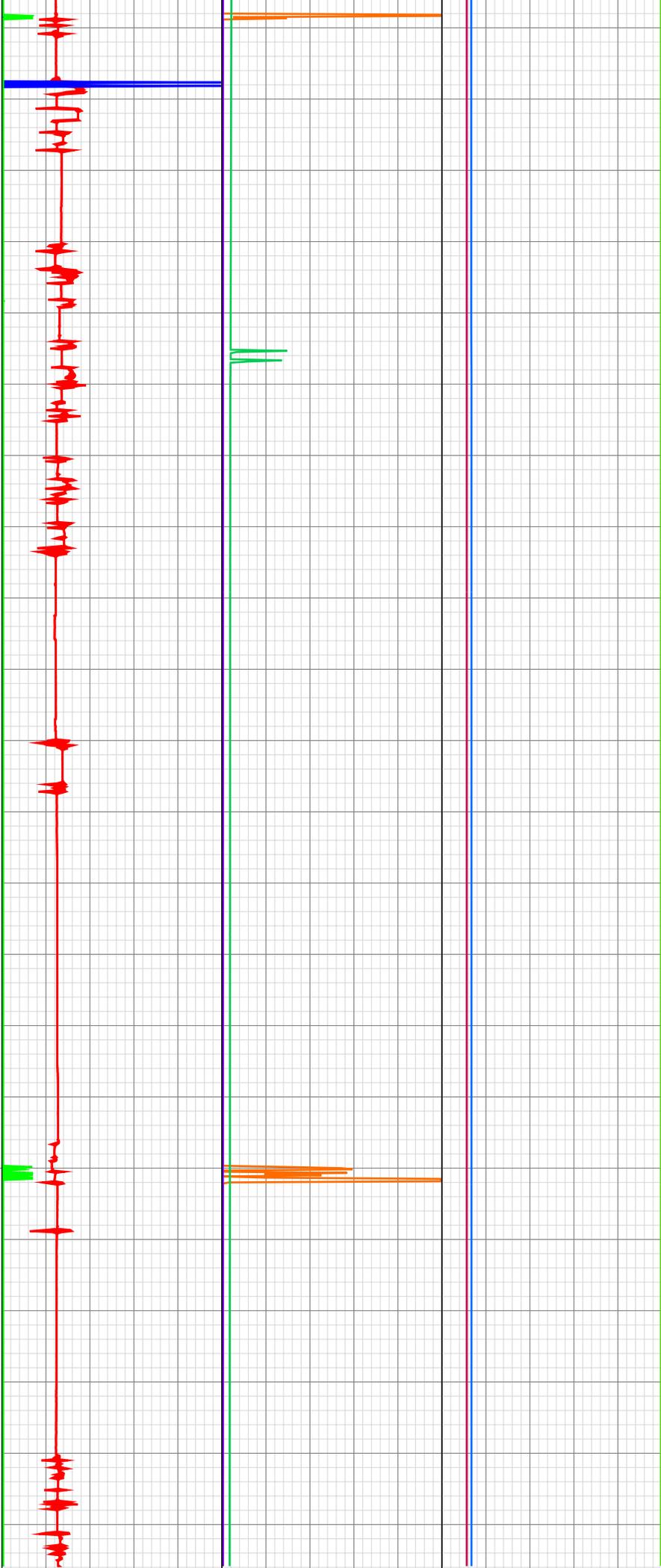
07/11 18:09:00: TRAN  
 OUT TO TRUCK  
 07/11 18:10:09:  
 RIGALARM: No PVT Rig  
 Alarm Device Available

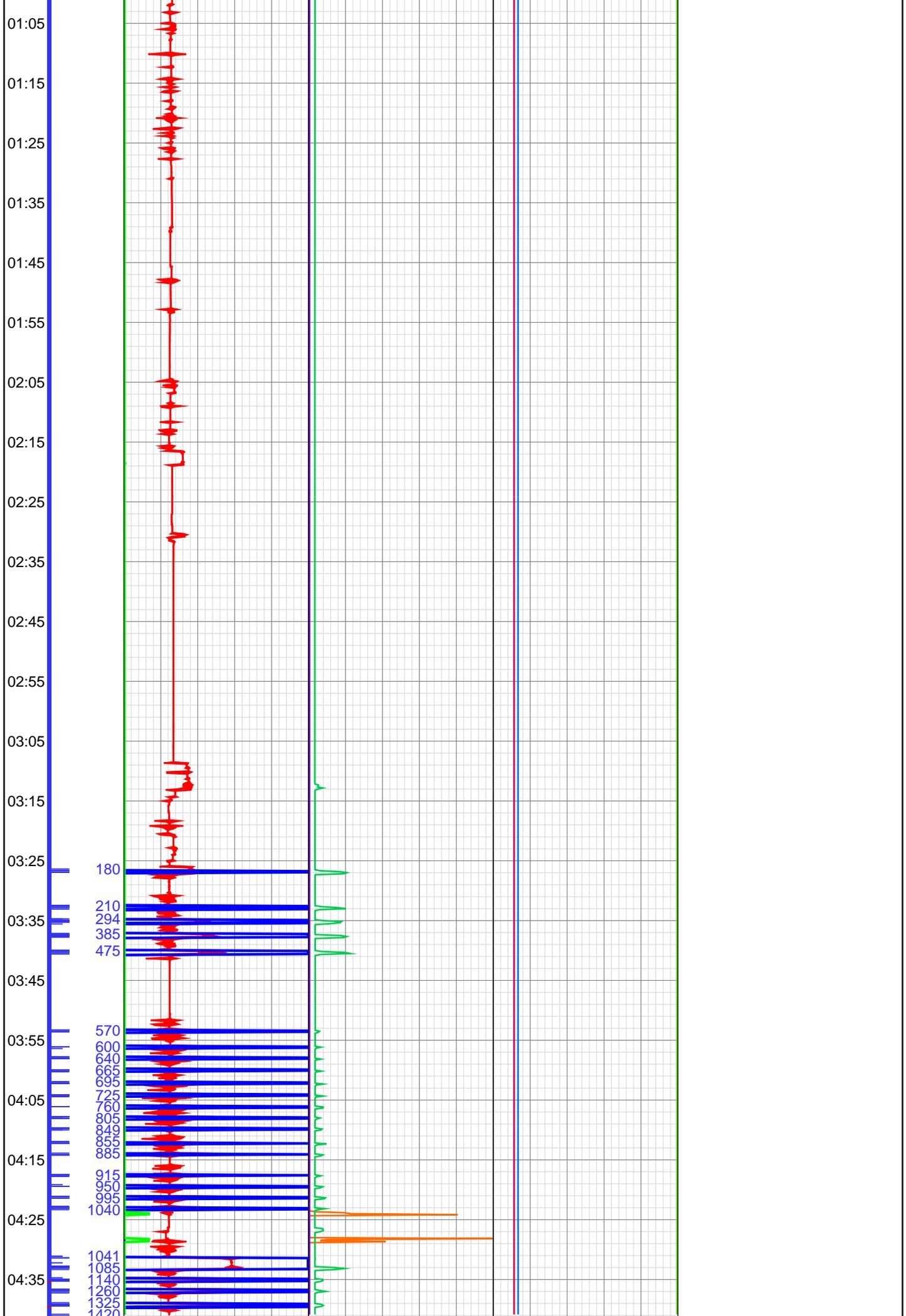
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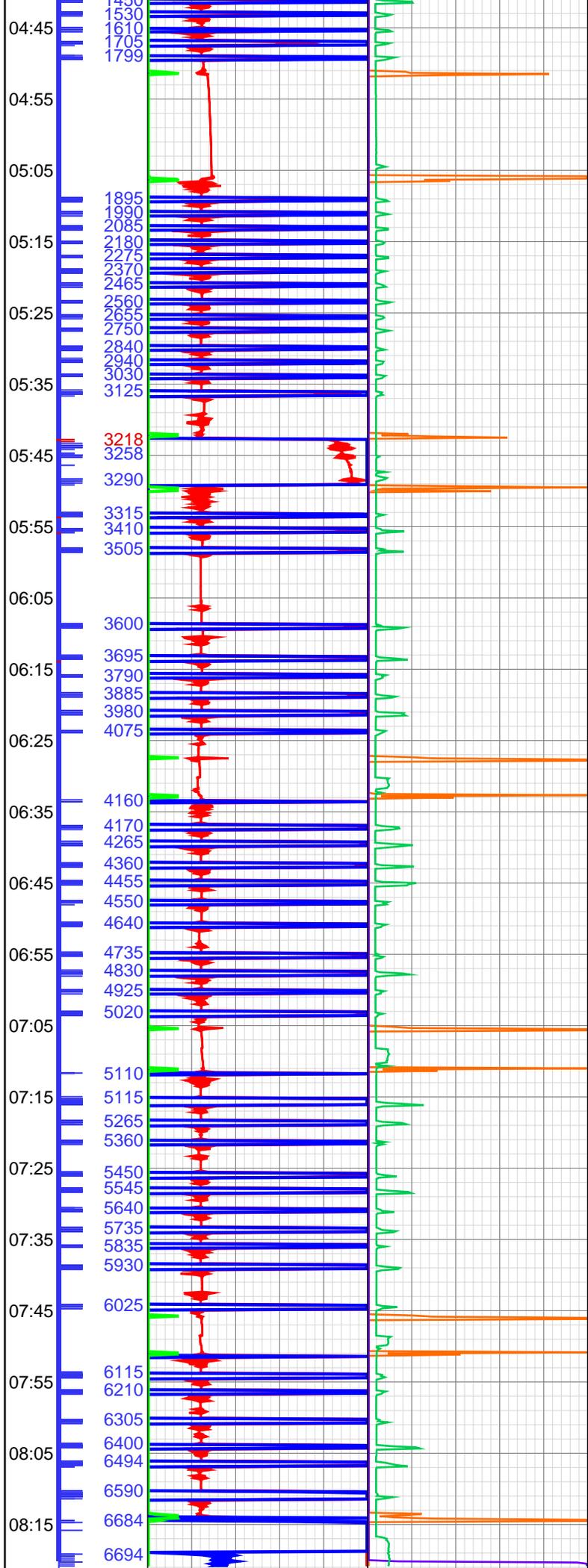
180

Jul 12, 2021

07/12 00:10:09:  
RIGALARM: No PVT Rig  
Alarm Device Available







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6494  
6590

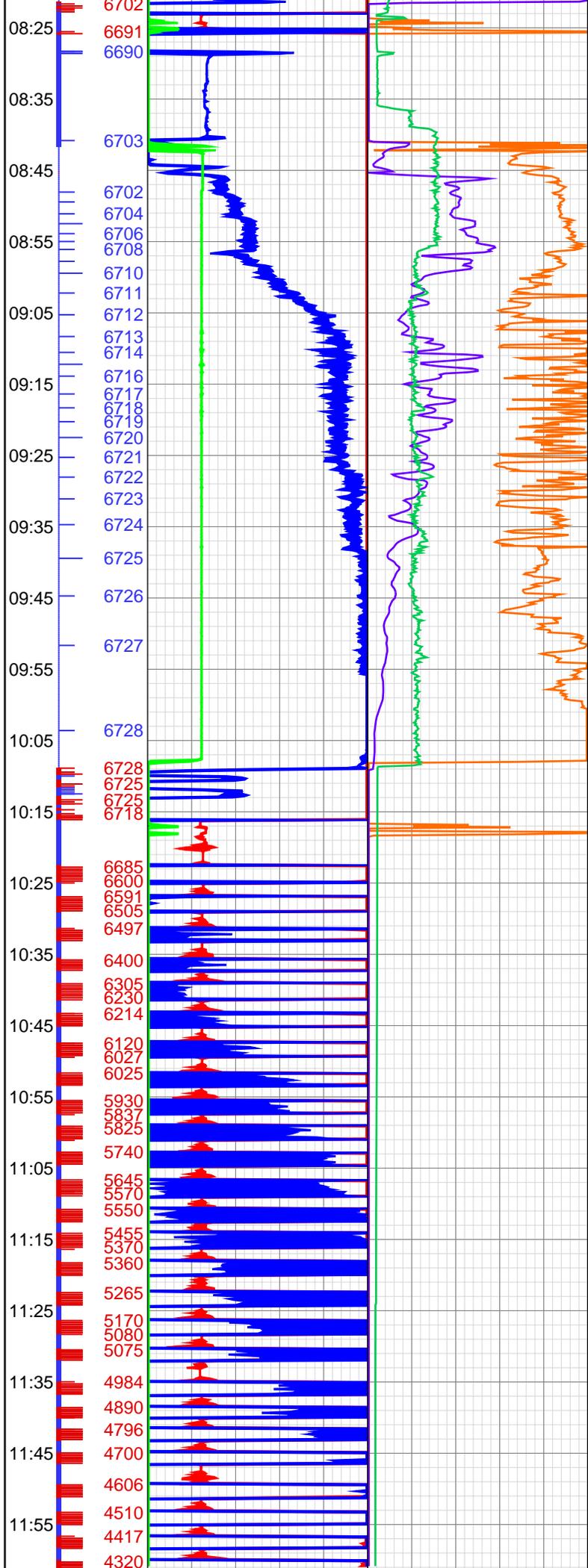
6684  
6694

07/12 06:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

07/12 07:15:27: BIT  
DEPTH CHANGED TO  
5170.1 FEET

07/12 07:49:22: BIT  
HOURS CHANGED FROM  
11.3 TO 0

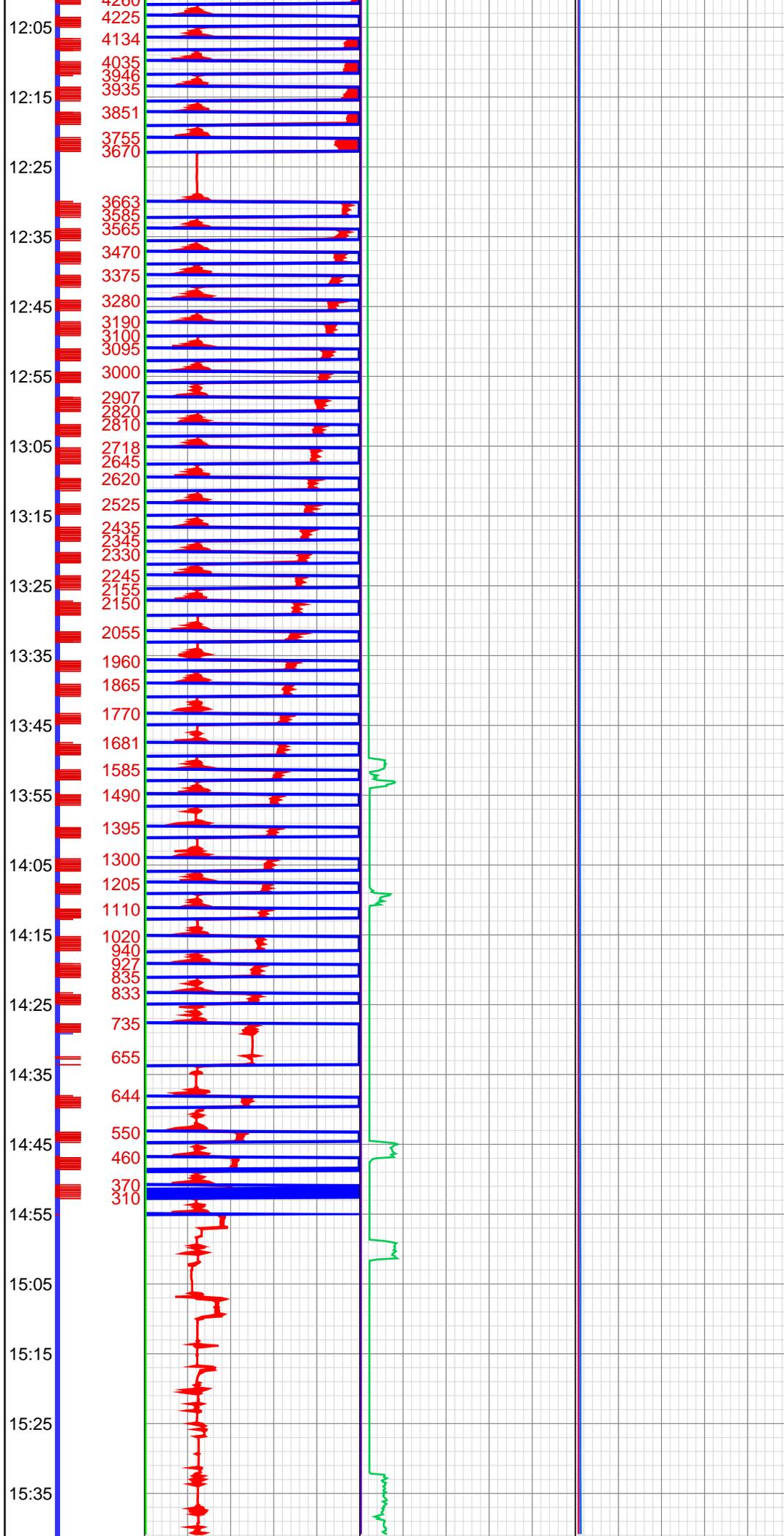
07/12 08:15:57: BIT  
DEPTH CHANGED TO  
6693.6 FEET



07/12 08:18:47: ZWOB  
FROM Rig Display Drilling

07/12 08:40:35: ZWOB  
FROM Rig Display Drilling  
07/12 08:43:26: ZWOB  
FROM Rig Display Drilling  
WHILE ON BOTTOM  
ZDIFF FROM Rig Display  
Drilling WHILE ON  
BOTTOM  
07/12 08:53:00: MUD WT  
8.3 IN/OUT VIS 27 PH 10  
07/12 08:56:27: ZDIFF  
FROM Rig Display Drilling  
WHILE ON BOTTOM

07/12 09:10:28: DAS:  
detected Stick Slip



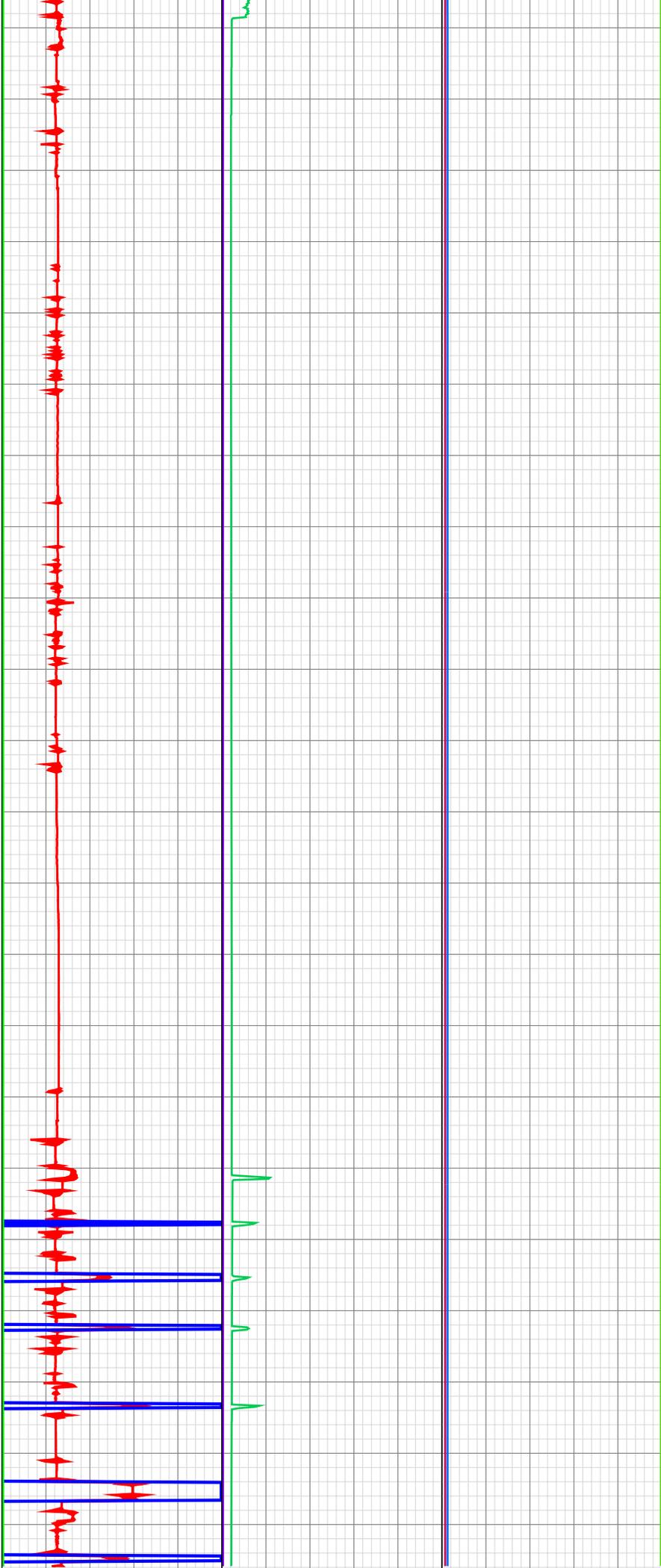
07/12 12:10:10:  
 RIGALARM: No PVT Rig  
 Alarm Device Available

07/12 14:34:00: PULL  
 ROT. RUBBER

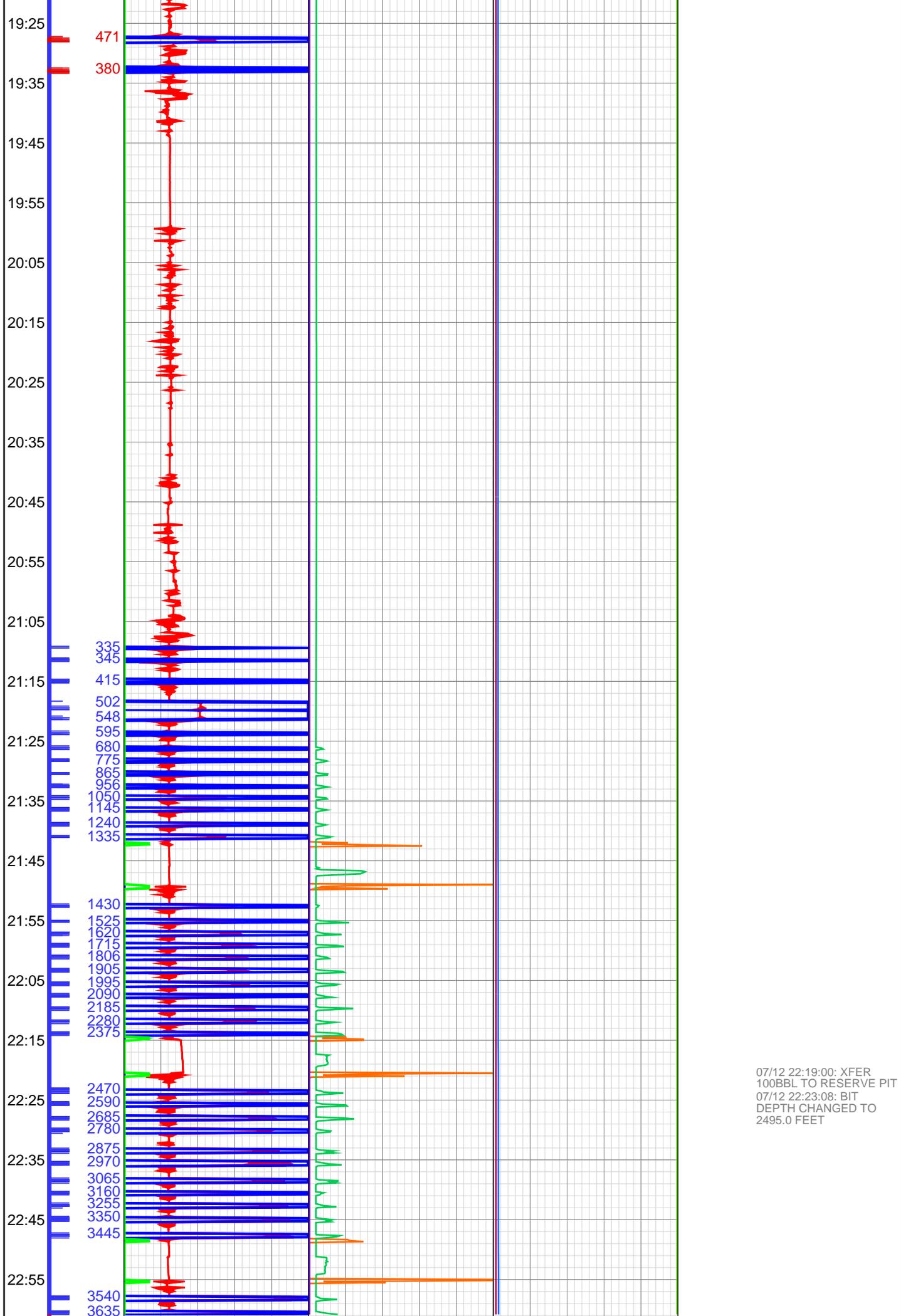


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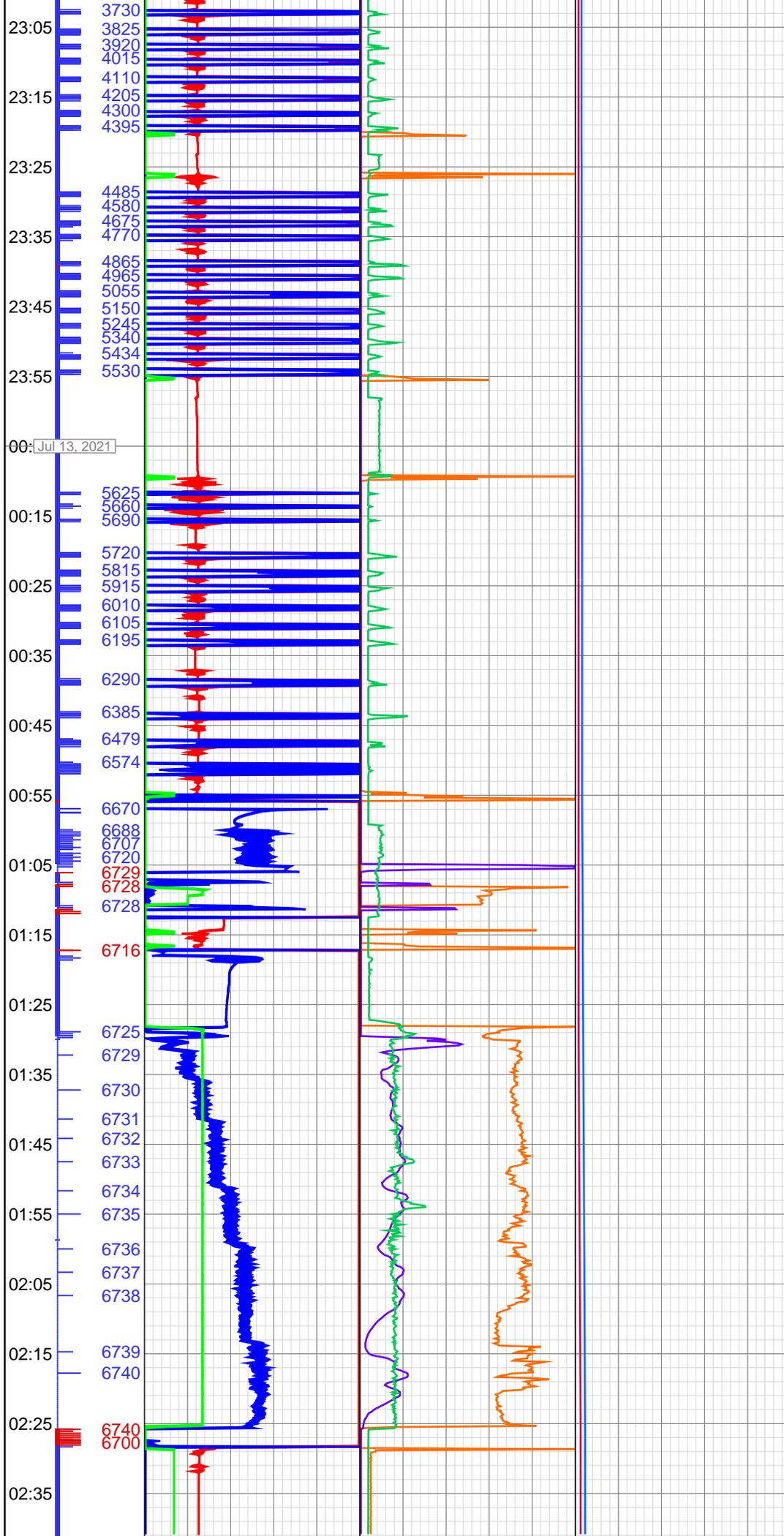


07/12 18:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available



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07/12 23:46:00:  
 TRANSFERING WATER  
 FROM FRAC T. TO SLUG  
 T.  
 07/12 23:51:00: FINISH  
 TRANSFER

07/13 00:07:00: MSE  
 ADJUSTED FOR CORE  
 07/13 00:10:10:  
 RIGALARM: No PVT Rig  
 Alarm Device Available

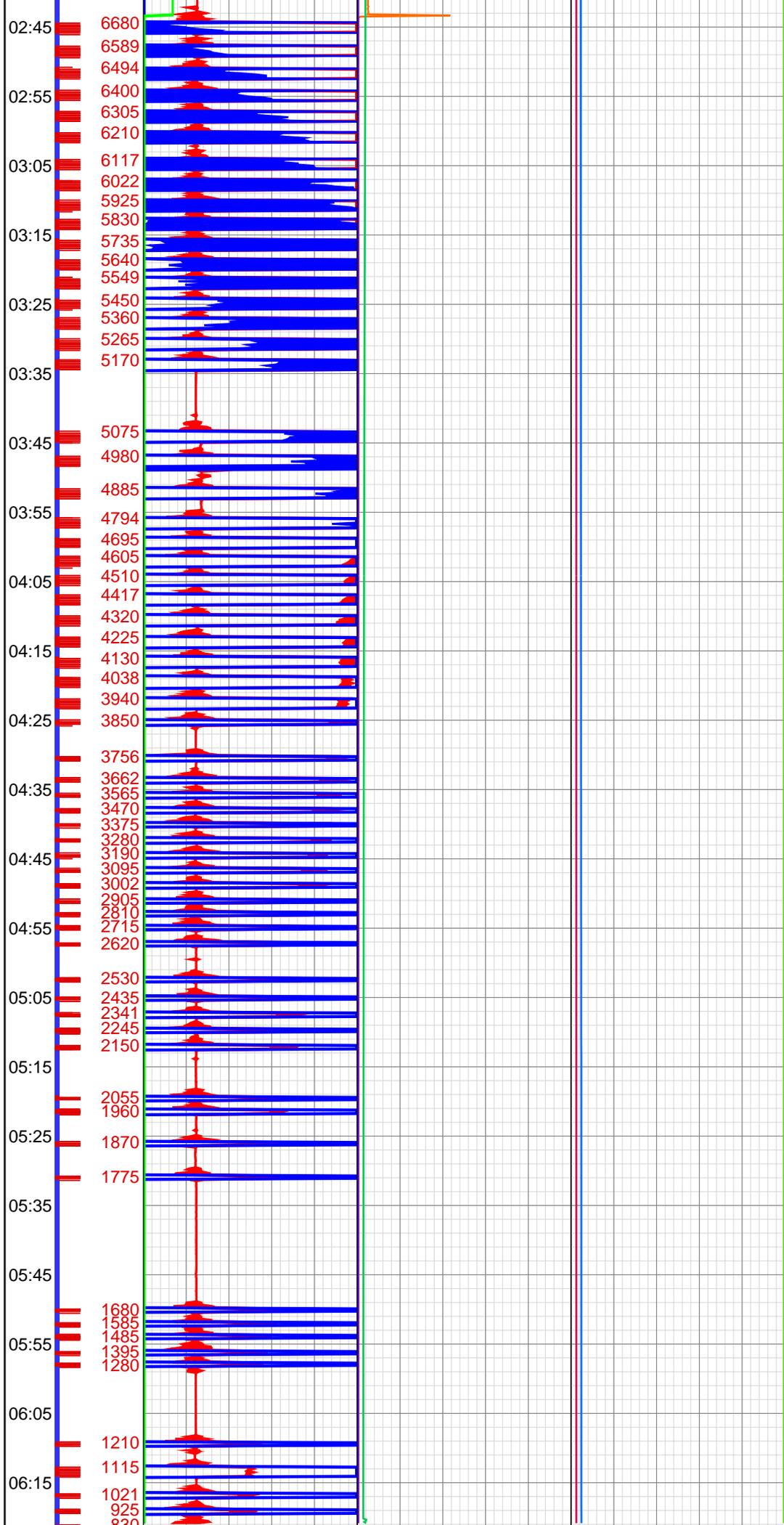
07/13 00:57:27: BIT  
 DEPTH CHANGED TO  
 6687.0 FEET  
 07/13 01:07:29: ZWOB  
 FROM Rig Display Drilling  
 07/13 01:08:23: ZWOB  
 FROM Rig Display Drilling  
 07/13 01:08:38: ZWOB  
 FROM Rig Display Drilling  
 07/13 01:08:59: ZDIFF  
 FROM Rig Display Drilling

07/13 01:21:00: DROP  
 BALL

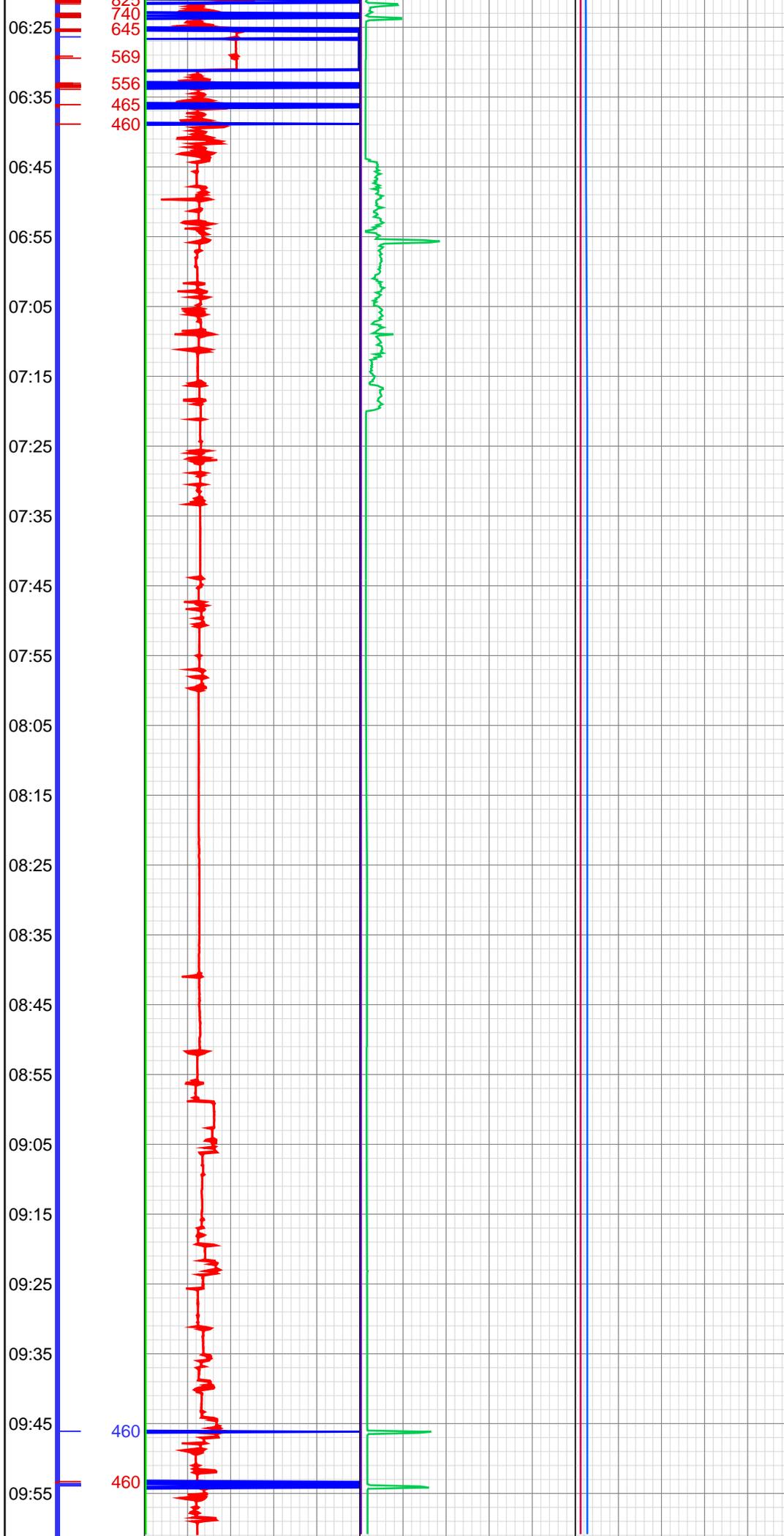
07/13 01:28:41: ZWOB  
 FROM Rig Display Drilling

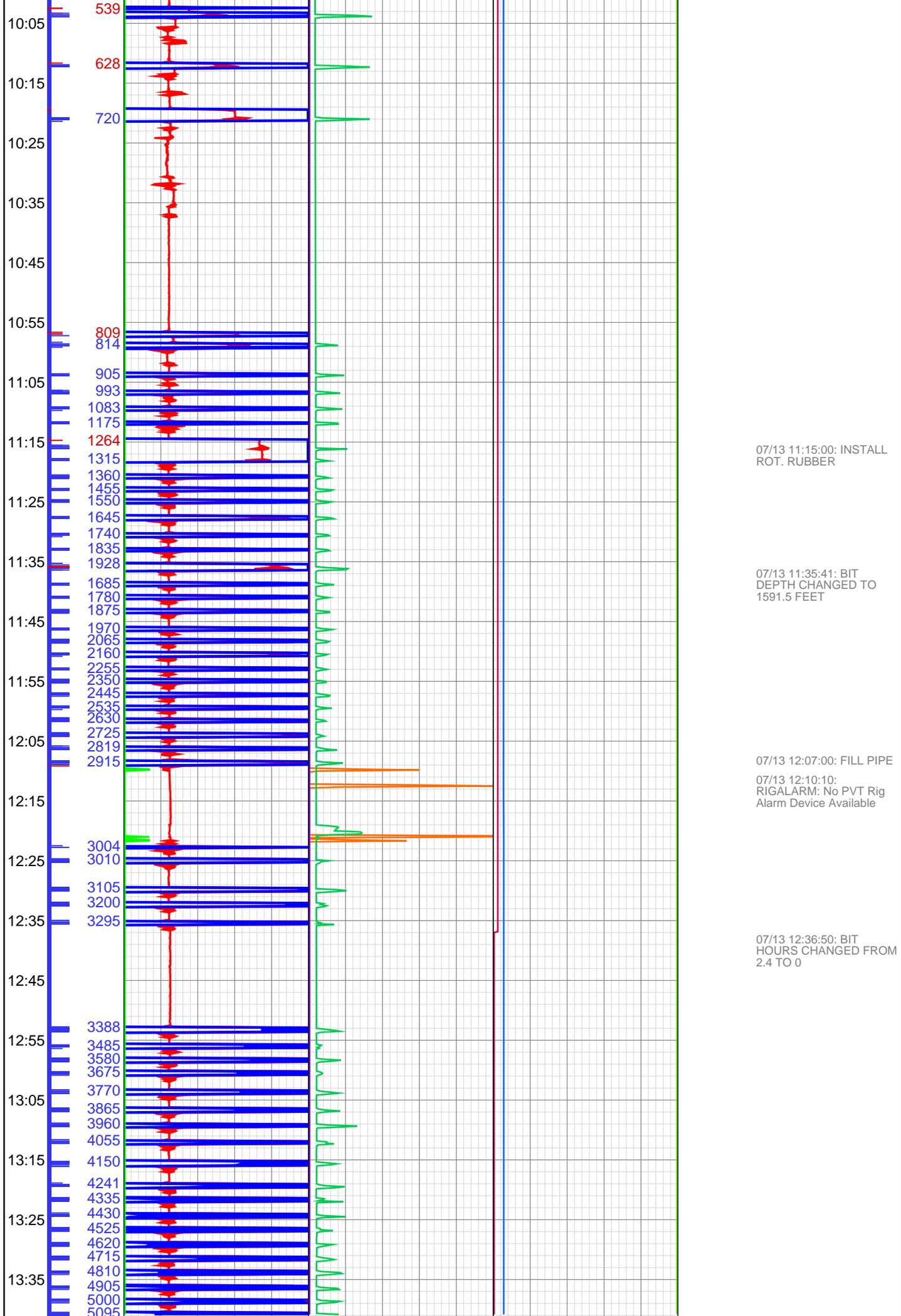
07/13 02:06:00: PUMP 200  
 BBLs WATER SWEEP

07/13 02:11:00: SWAP  
 BACK TO ACTIVE



07/13 06:27:00: PULL  
ROT. RUBBER





539

628

720

809

814

905

993

1083

1175

1264

1315

1360

1455

1550

1645

1740

1835

1928

1685

1780

1875

1970

2065

2160

2255

2350

2445

2535

2630

2725

2819

2915

3004

3010

3105

3200

3295

3388

3485

3580

3675

3770

3865

3960

4055

4150

4241

4335

4430

4525

4620

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4810

4905

5000

5095

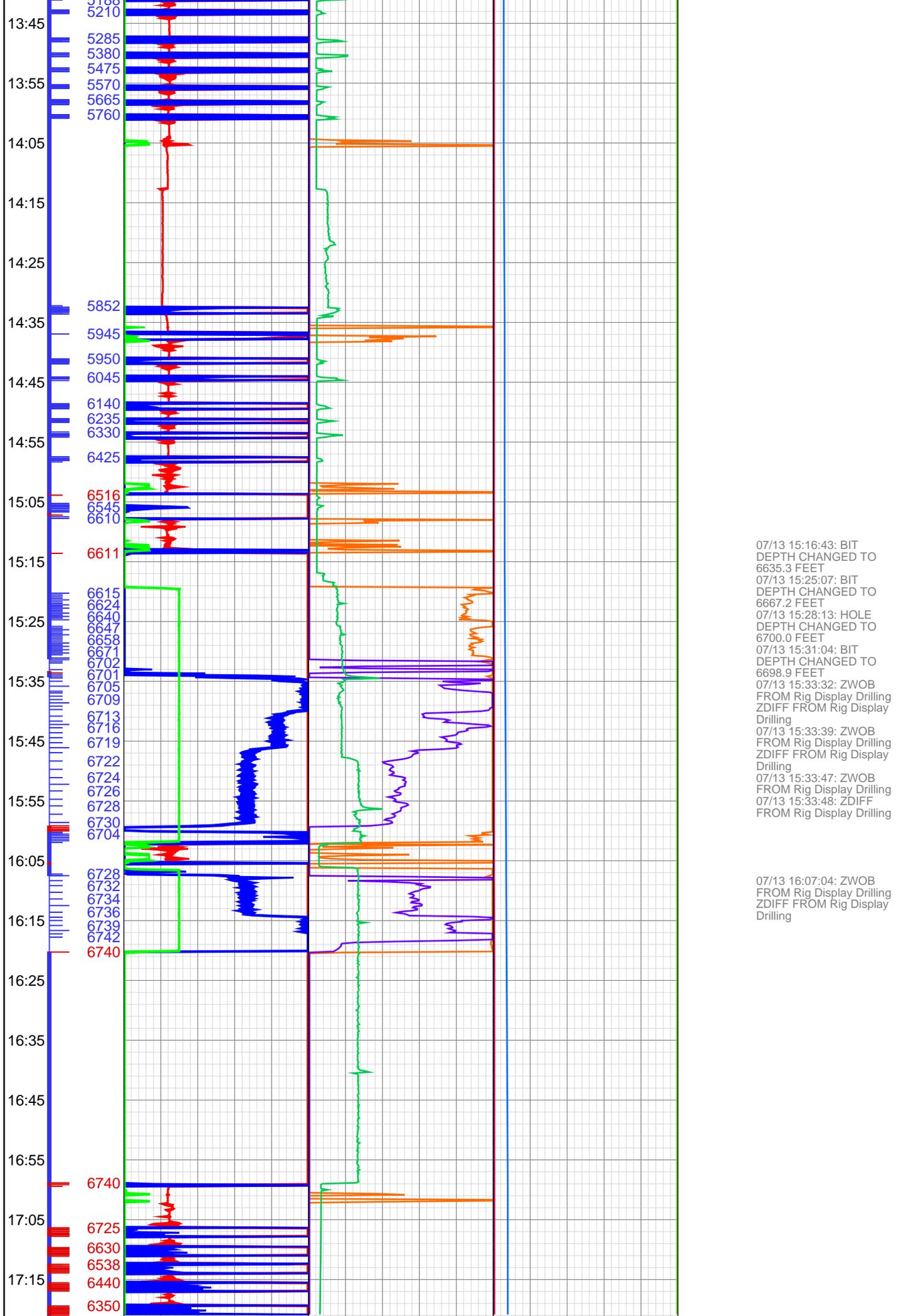
07/13 11:15:00: INSTALL ROT. RUBBER

07/13 11:35:41: BIT DEPTH CHANGED TO 1591.5 FEET

07/13 12:07:00: FILL PIPE

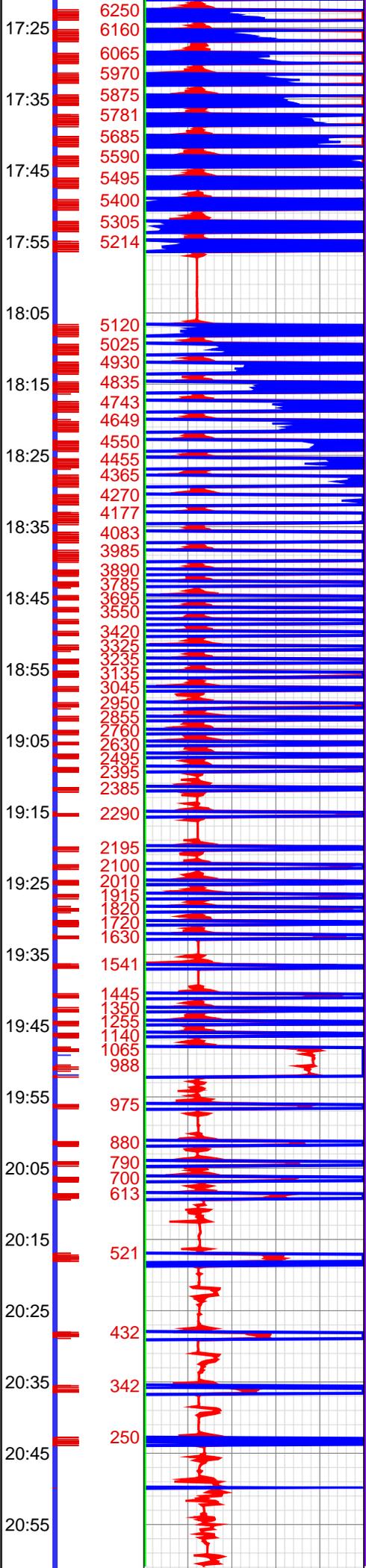
07/13 12:10:10: RIGALARM: No PVT Rig Alarm Device Available

07/13 12:36:50: BIT HOURS CHANGED FROM 2.4 TO 0



07/13 15:16:43: BIT  
 DEPTH CHANGED TO  
 6635.3 FEET  
 07/13 15:25:07: BIT  
 DEPTH CHANGED TO  
 6667.2 FEET  
 07/13 15:28:13: HOLE  
 DEPTH CHANGED TO  
 6700.0 FEET  
 07/13 15:31:04: BIT  
 DEPTH CHANGED TO  
 6698.9 FEET  
 07/13 15:33:32: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling  
 07/13 15:33:39: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling  
 07/13 15:33:47: ZWOB  
 FROM Rig Display Drilling  
 07/13 15:33:48: ZDIFF  
 FROM Rig Display Drilling

07/13 16:07:04: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling



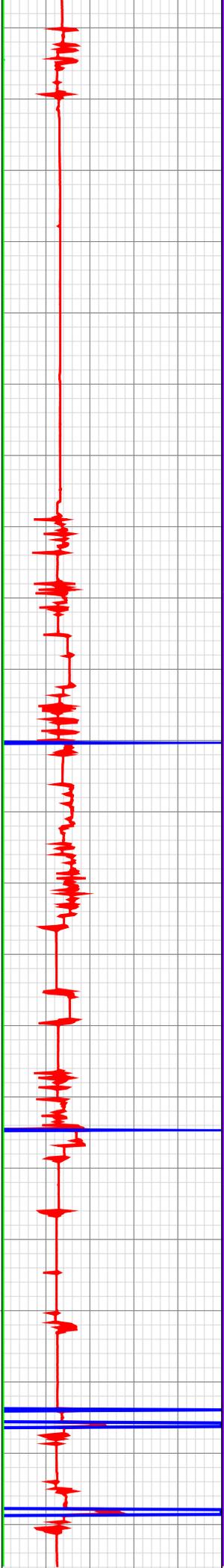
6250  
6160  
6065  
5970  
5875  
5781  
5685  
5590  
5495  
5400  
5305  
5214  
5120  
5025  
4930  
4835  
4743  
4649  
4550  
4455  
4365  
4270  
4177  
4083  
3985  
3890  
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3235  
3135  
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2855  
2760  
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2495  
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2385  
2290  
2195  
2100  
2010  
1915  
1820  
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1255  
1140  
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988  
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880  
790  
700  
613  
521  
432  
342  
250

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20:55

07/13 18:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available



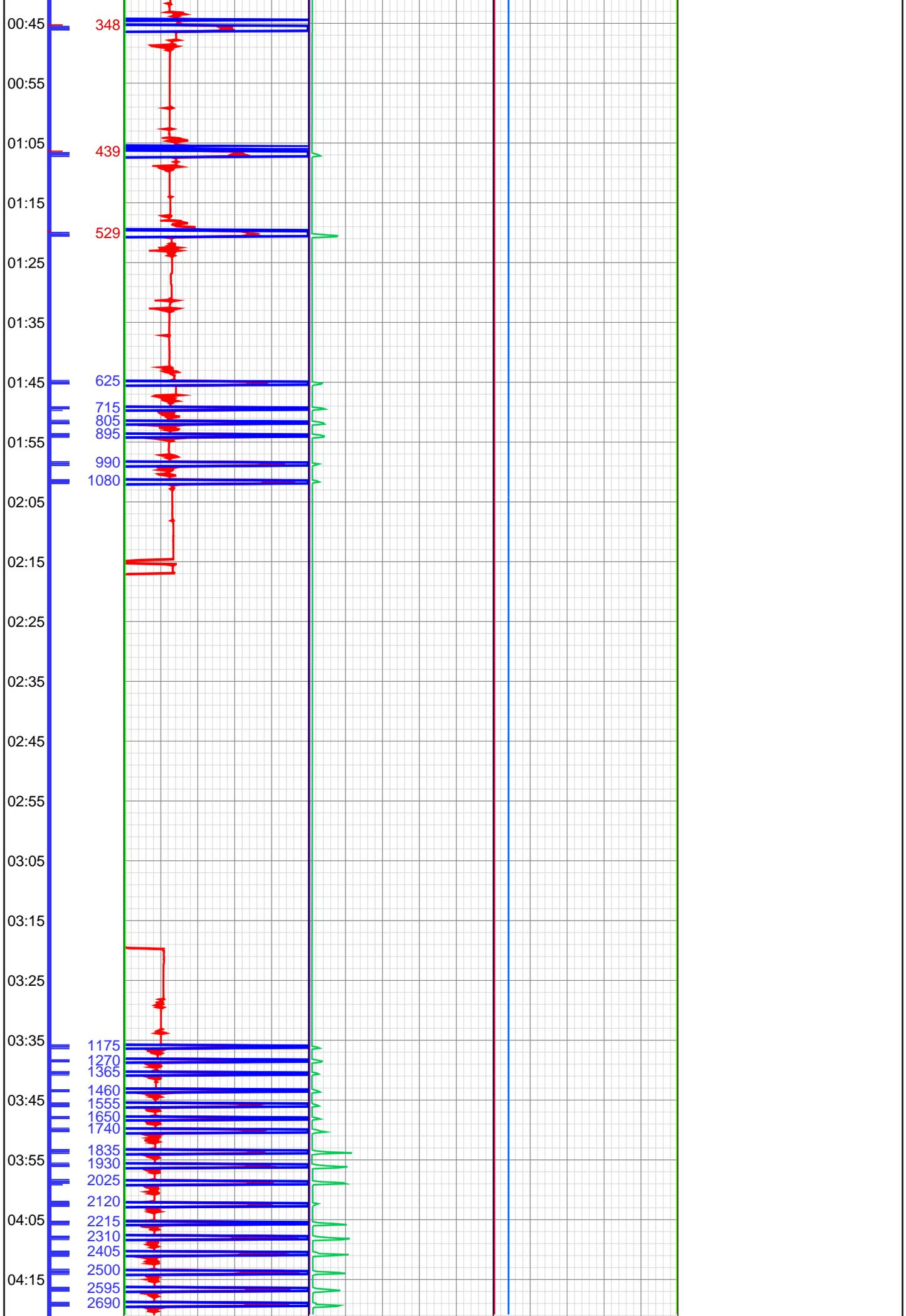
21:05  
21:15  
21:25  
21:35  
21:45  
21:55  
22:05  
22:15  
22:25  
22:35  
22:45  
22:55  
23:05  
23:15  
23:25  
23:35  
23:45  
23:55  
00:00  
00:15  
00:25  
00:35

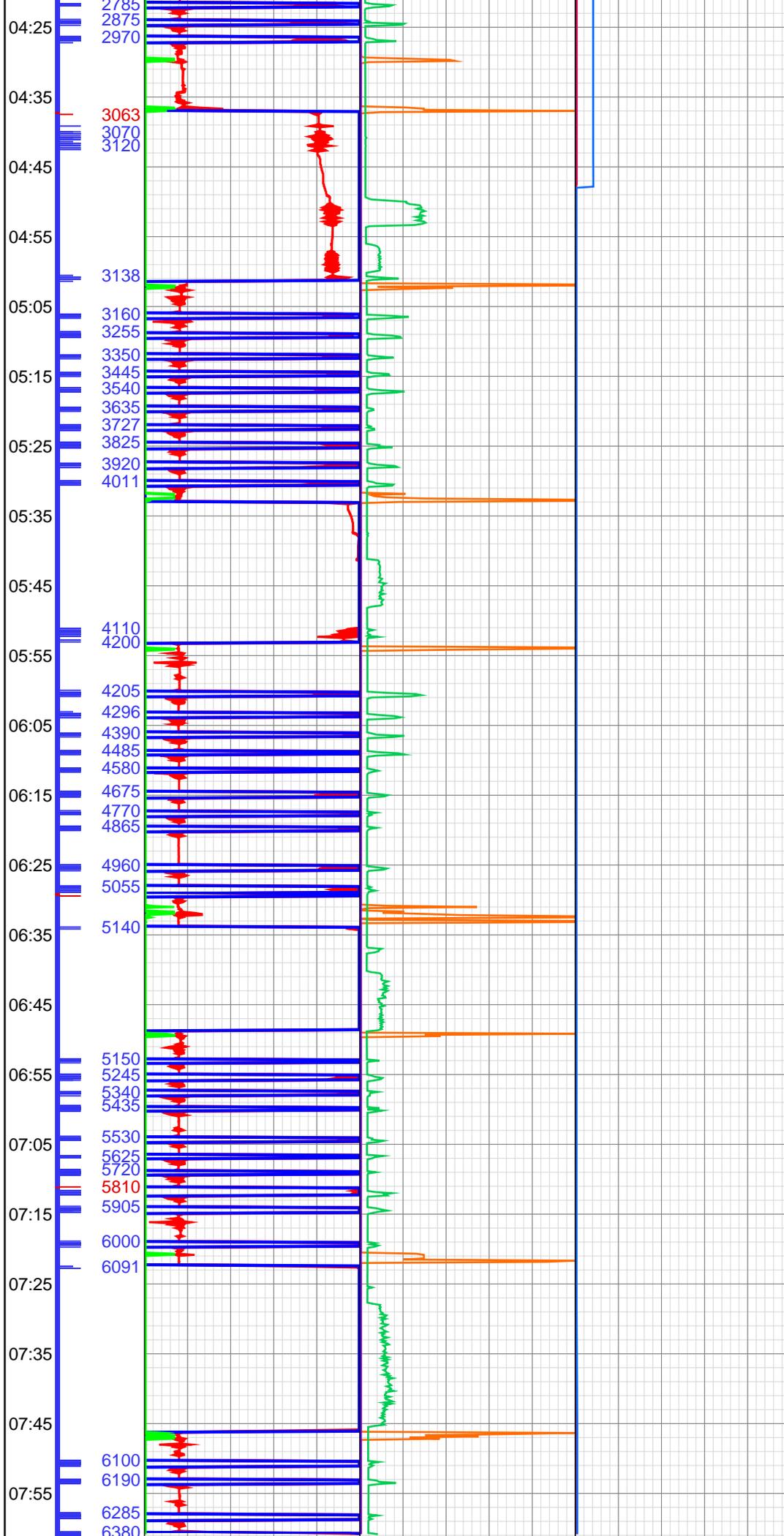


00:00 Jul 14, 2021

165  
175  
259

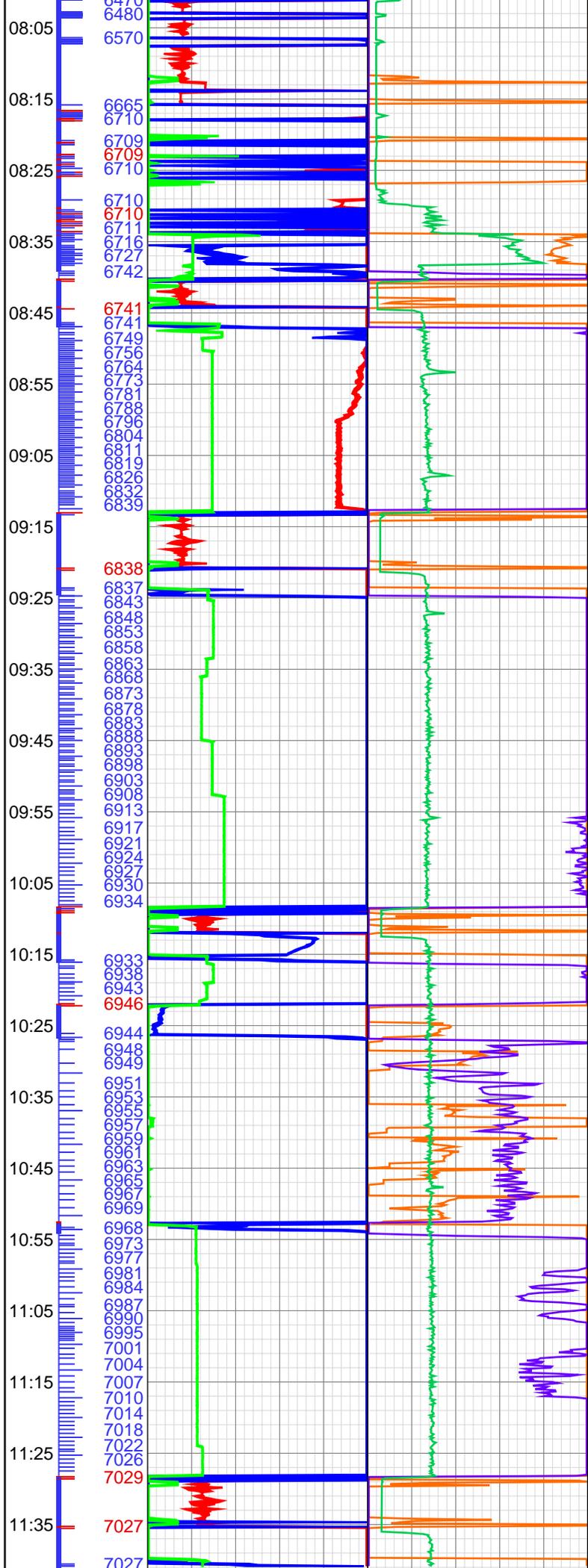
07/14 00:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available





07/14 04:47:27: BIT  
HOURS CHANGED FROM  
0.7 TO 0

07/14 06:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available



07/14 08:16:29: BIT DEPTH CHANGED TO 6650.6 FEET

07/14 08:28:00: MUD WT 8.3 IN/OUT VIS 27 PH 8

07/14 08:35:20: ZWOB FROM Rig Display Drilling ZDIFF FROM Rig Display Drilling

07/14 08:35:21: ZWOB FROM Rig Display Drilling ZDIFF FROM Rig Display Drilling

07/14 08:35:23: ZWOB FROM Rig Display Drilling ZDIFF FROM Rig Display Drilling

07/14 08:46:37: ZWOB FROM Rig Display Drilling ZDIFF FROM Rig Display Drilling

07/14 09:01:00: XFER WATER TO PITS

07/14 09:04:00: STOP XFER TO PITS

07/14 09:07:00: XFER WATER FROM DAY TANK TO PITS

07/14 09:12:29: IN TALLY: HOLE DEPTH SET TO 6840.8

07/14 09:23:00: STOPPED WATER XFER

07/14 09:24:11: HOOKLOAD WAS RECALIBRATED.

07/14 09:24:27: ZWOB FROM Rig Display Drilling ZDIFF FROM Rig Display Drilling

07/14 09:25:00: Connection at 6840.8

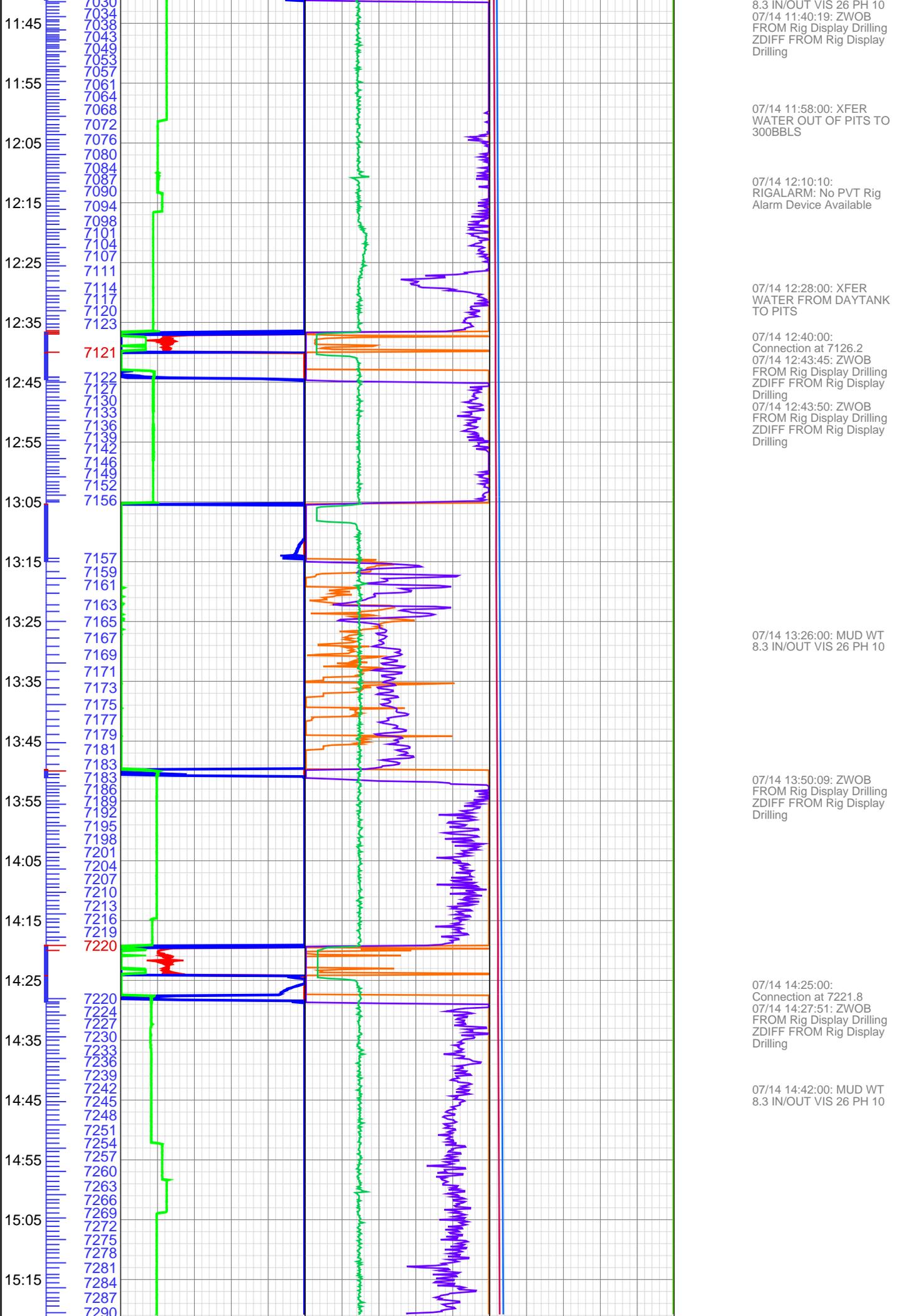
07/14 10:08:00: MUD WT 8.3 IN/OUT VIS 27 PH 10

07/14 10:12:00: Connection at 6935.8

07/14 10:15:18: ZWOB FROM Rig Display Drilling ZDIFF FROM Rig Display Drilling

07/14 11:37:00: Connection at 7030.8

07/14 11:40:00: MUD WT



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07/14 11:40:19: ZWOB FROM Rig Display Drilling  
 ZDIFF FROM Rig Display Drilling

07/14 11:58:00: XFER WATER OUT OF PITS TO 300BBLs

07/14 12:10:10: RIGALARM: No PVT Rig Alarm Device Available

07/14 12:28:00: XFER WATER FROM DAYTANK TO PITS

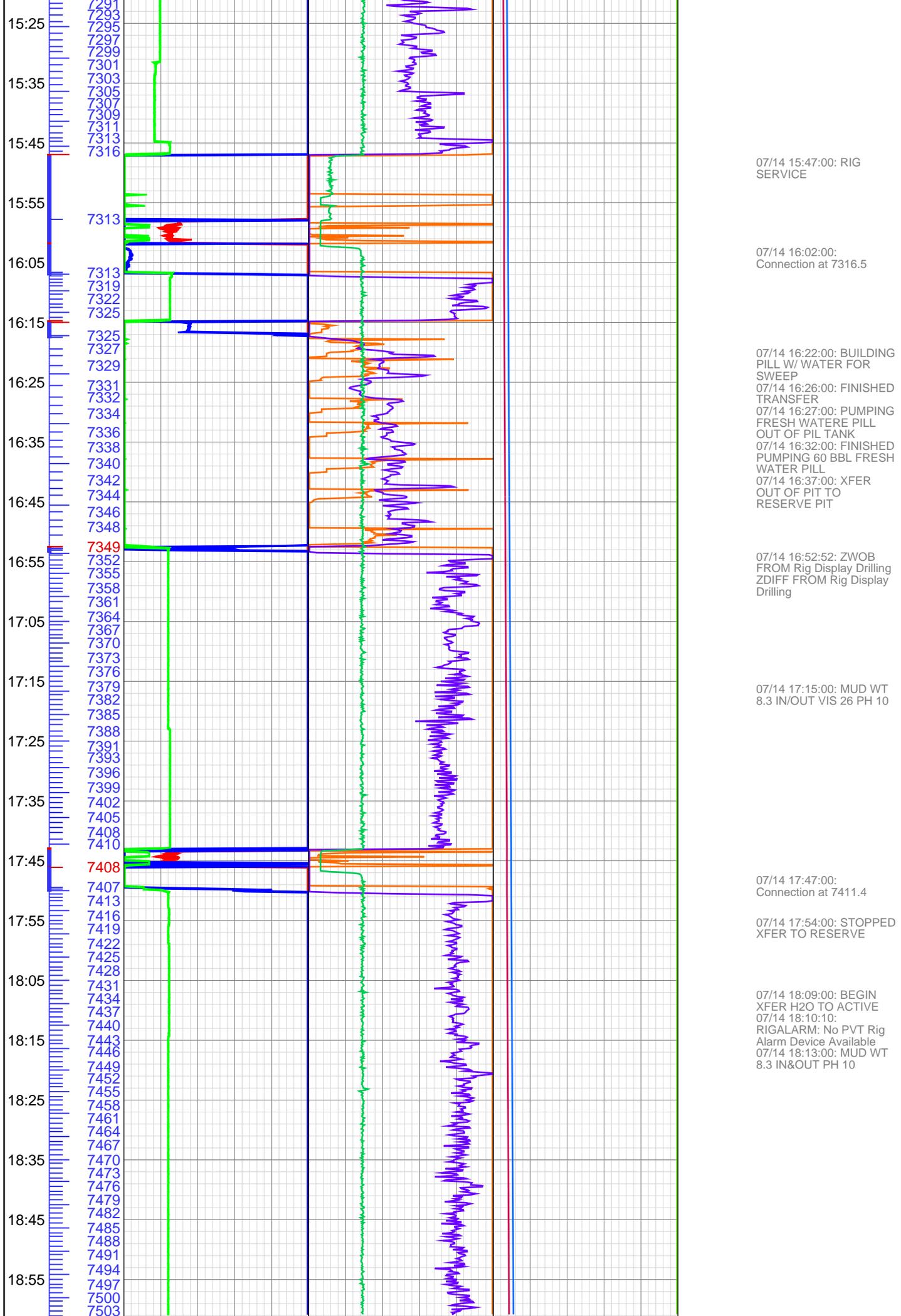
07/14 12:40:00: Connection at 7126.2  
 07/14 12:43:45: ZWOB FROM Rig Display Drilling  
 ZDIFF FROM Rig Display Drilling  
 07/14 12:43:50: ZWOB FROM Rig Display Drilling  
 ZDIFF FROM Rig Display Drilling

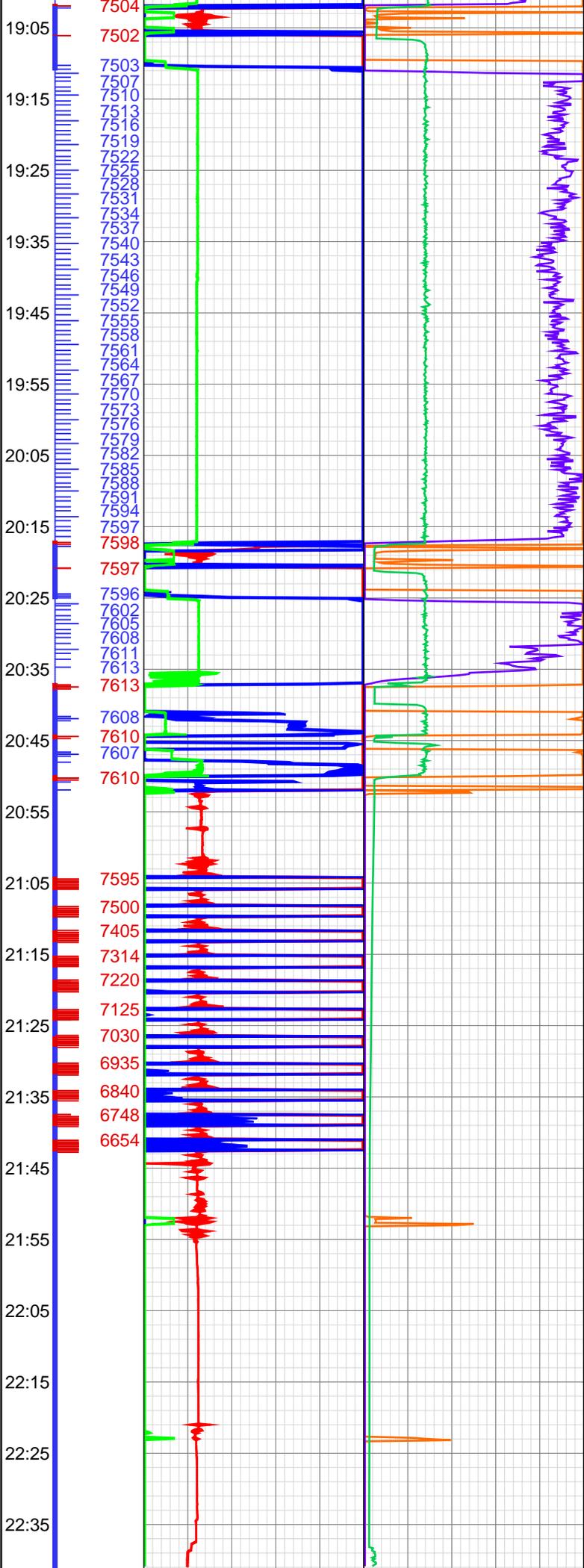
07/14 13:26:00: MUD WT 8.3 IN/OUT VIS 26 PH 10

07/14 13:50:09: ZWOB FROM Rig Display Drilling  
 ZDIFF FROM Rig Display Drilling

07/14 14:25:00: Connection at 7221.8  
 07/14 14:27:51: ZWOB FROM Rig Display Drilling  
 ZDIFF FROM Rig Display Drilling

07/14 14:42:00: MUD WT 8.3 IN/OUT VIS 26 PH 10





07/14 19:08:00:  
 Connection at 7506.6  
 07/14 19:09:56: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling

07/14 19:40:00: STOP  
 XFER OF FRESH WATER  
 TO ACTIVE  
 07/14 19:42:00: BEGIN  
 XFER 30BBL FRESH H2O  
 TO PITS

07/14 20:19:00: STOP  
 XFER FRESH WATER TO  
 PITS  
 07/14 20:22:00:  
 Connection at 7601.7  
 07/14 20:24:03: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling

07/14 20:24:08: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling  
 07/14 20:24:18: ZWOB  
 FROM Rig Display Drilling  
 07/14 20:24:19: ZDIFF  
 FROM Rig Display Drilling  
 07/14 20:29:00: BEGIN  
 XFER FROM PITS TO  
 RESERVE

07/14 20:36:00: MUD WT  
 8.3 IN/OUT PH10  
 07/14 20:40:46: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling  
 07/14 20:41:19: ZWOB  
 FROM Rig Display Drilling

07/14 20:46:08: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling  
 07/14 20:46:17: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling  
 07/14 21:06:00: BEGIN  
 XFER FROM PITS TO  
 RESERVE

19:05  
19:15  
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20:05  
20:15  
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7504  
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7500  
7405  
7314  
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7125  
7030  
6935  
6840  
6748  
6654

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02:05  
02:15

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6556

Jul 15, 2021

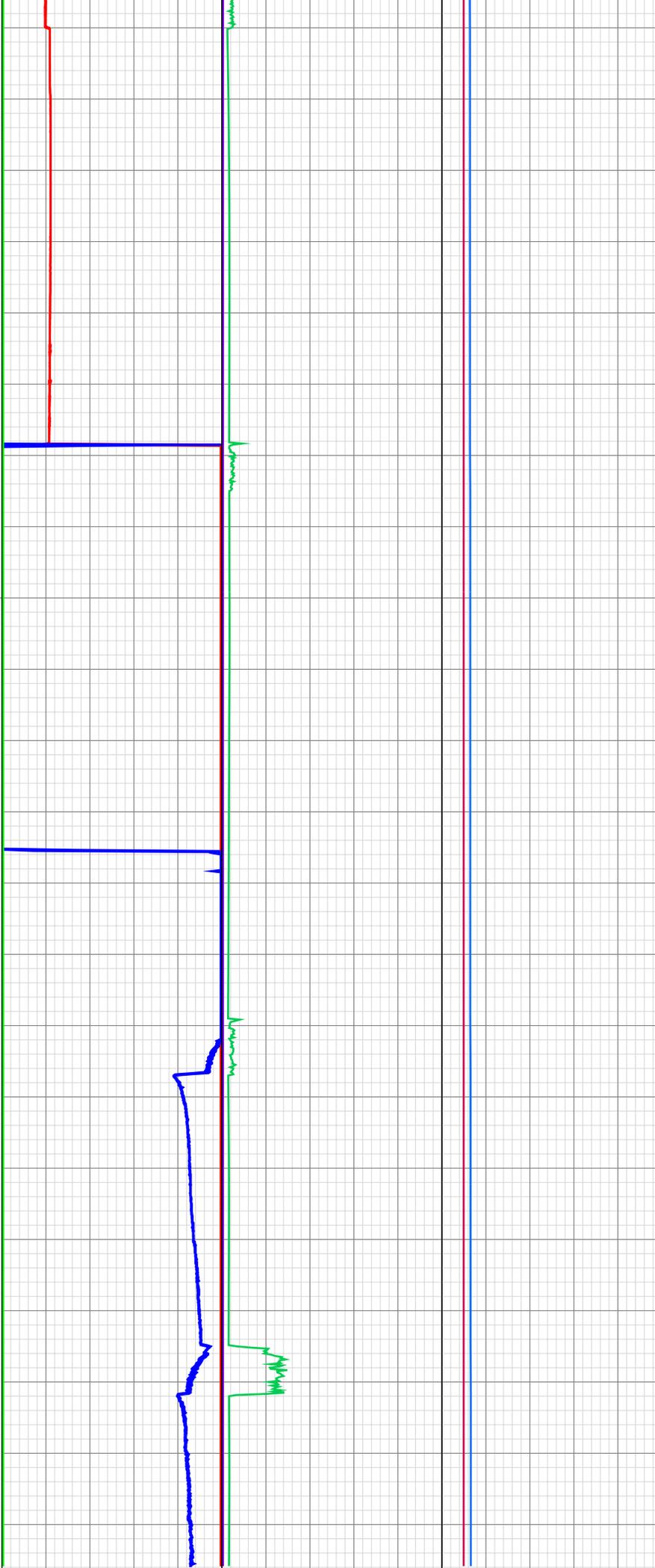
07/14 22:44:00: END  
XFER TO RESERVE  
07/14 22:45:00: EMPTY  
PILL PIT INTO ACTIVE  
WAIT ON HYD HOSE  
FOR TOP DRIVE

07/14 23:04:00: XFER  
H2O FROM FRAC TO  
PILL

07/14 23:11:00: END  
XFER TO PILL

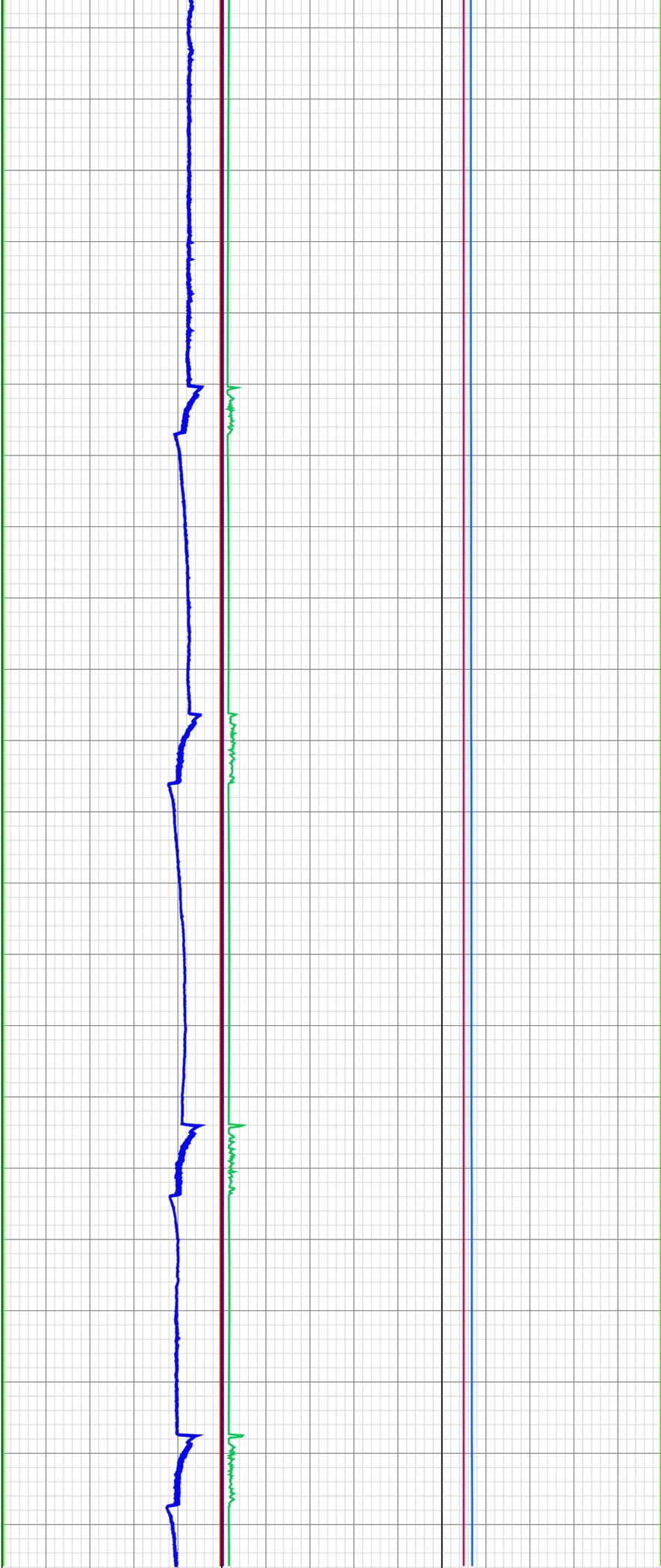
07/15 00:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

07/15 01:14:25: UJB:  
Firmware updated from  
version 0 to version  
2293768  
07/15 01:15:24: UJB:  
Firmware updated from  
version 0 to version  
2293768  
07/15 01:16:19: UJB:  
Firmware updated from  
version 0 to version  
2293768

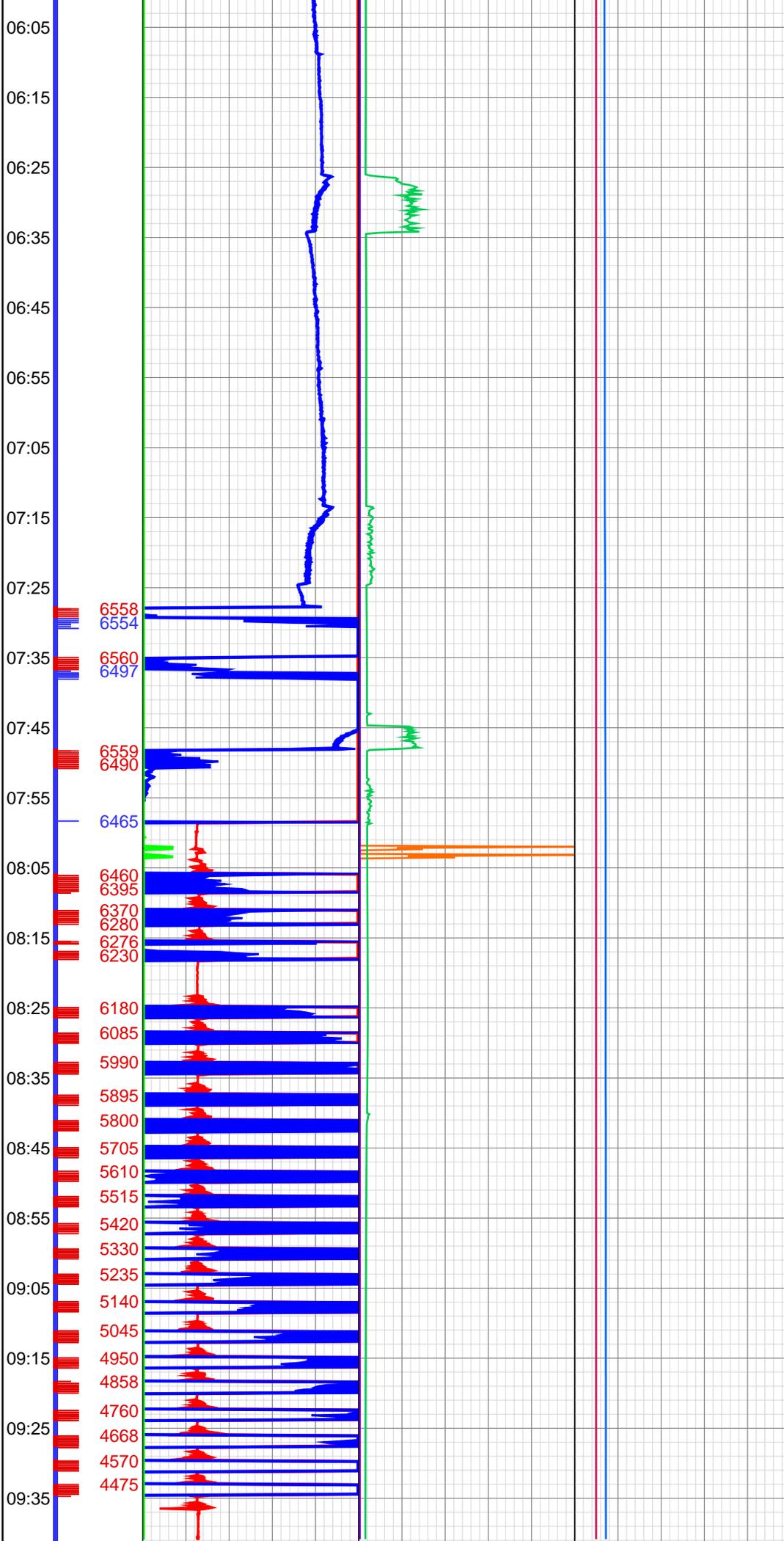


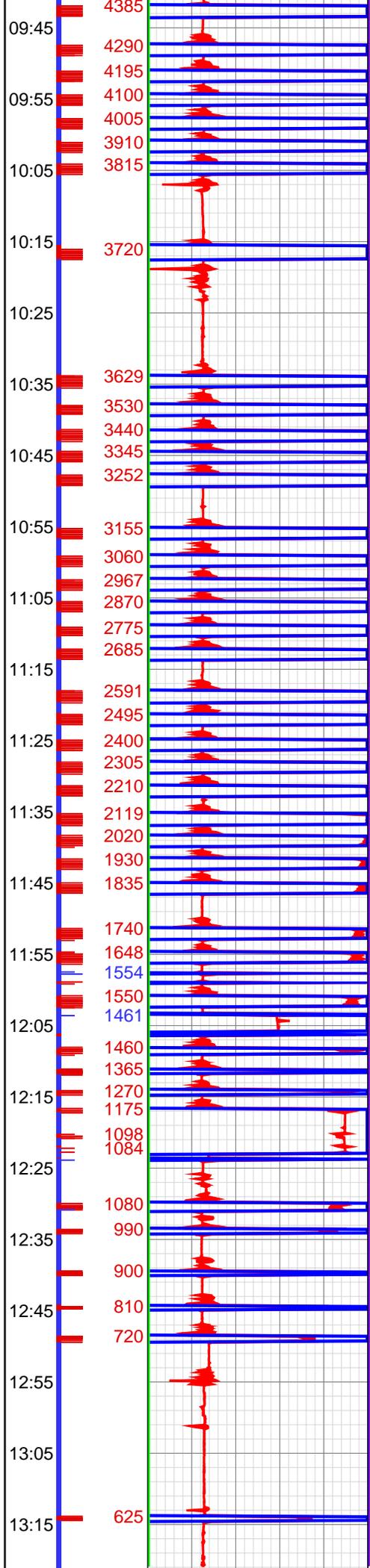


02:25  
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05:45  
05:55



07/15 06:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available



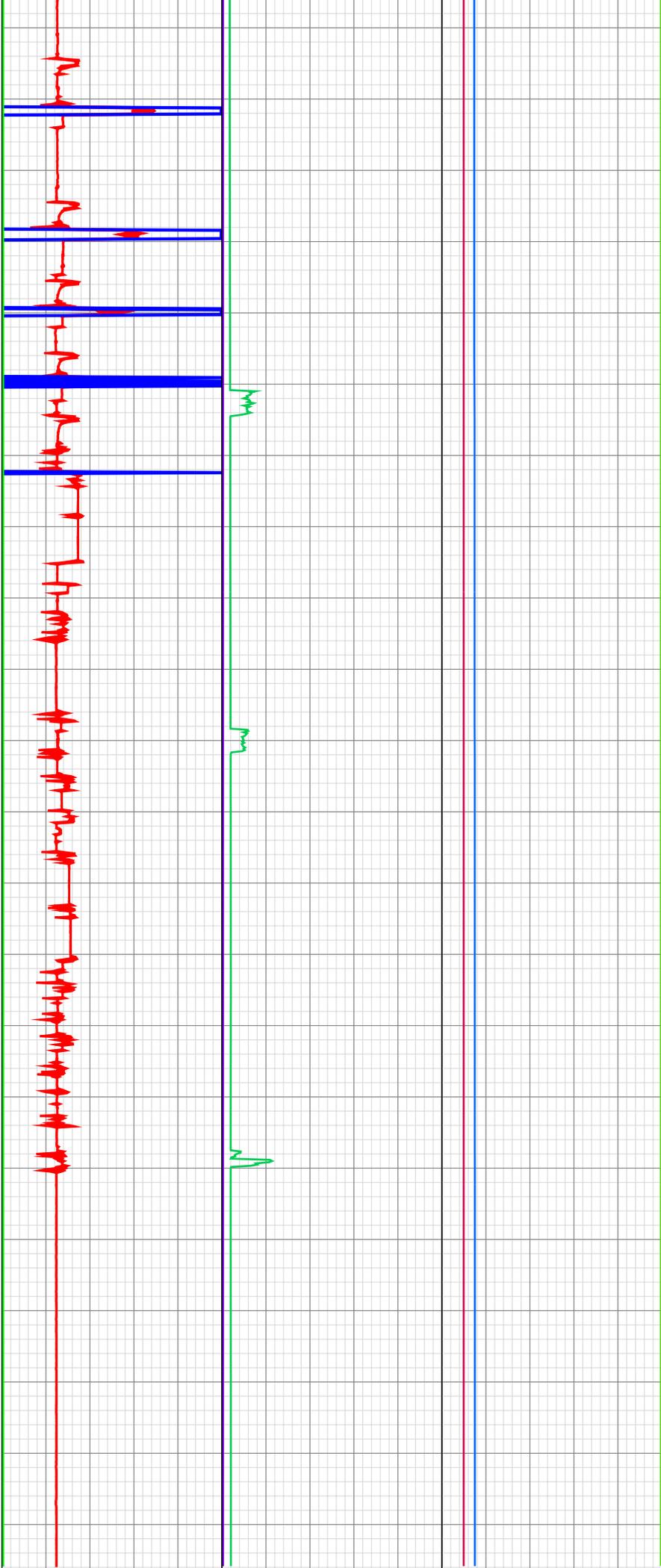


07/15 12:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

07/15 12:19:00: PULL  
ROT. RUBBER

13:25  
13:35  
13:45  
13:55  
14:05  
14:15  
14:25  
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14:45  
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15:35  
15:45  
15:55  
16:05  
16:15  
16:25  
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16:55

538  
449  
358  
269

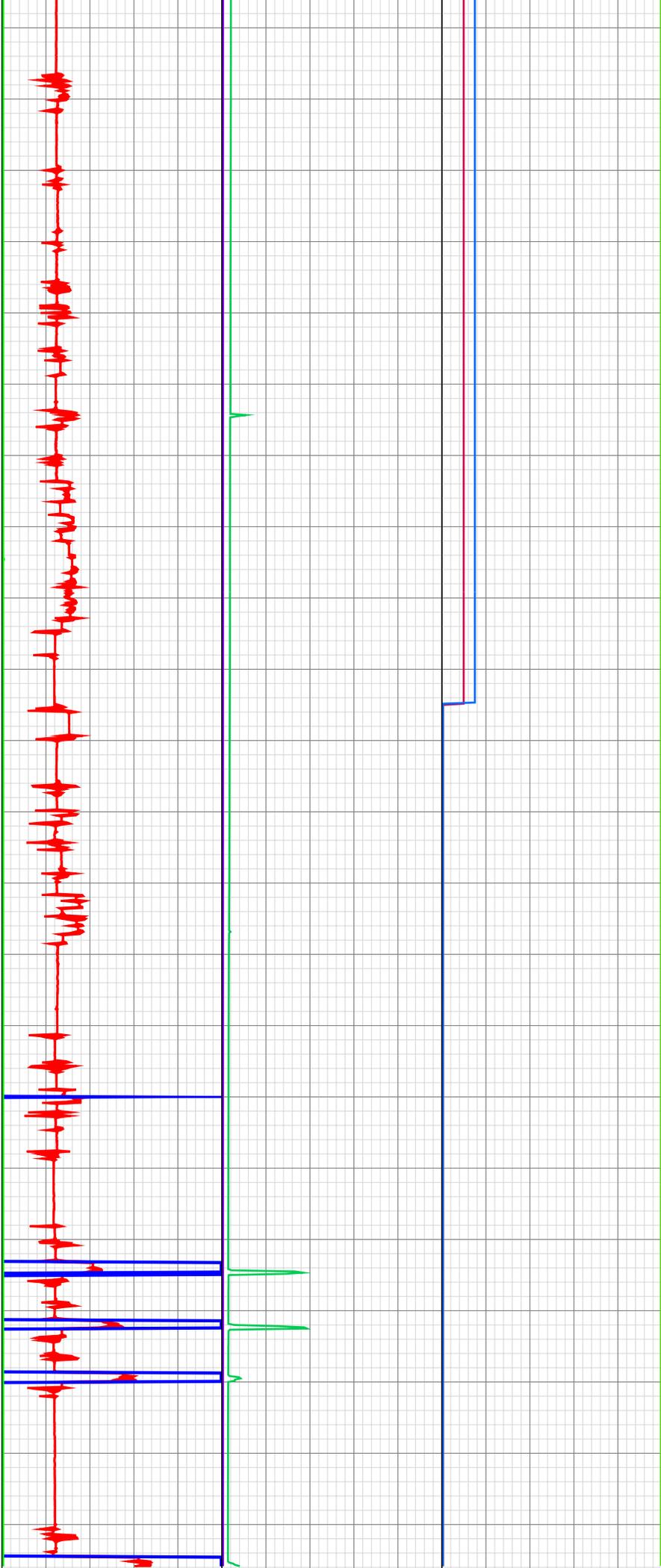


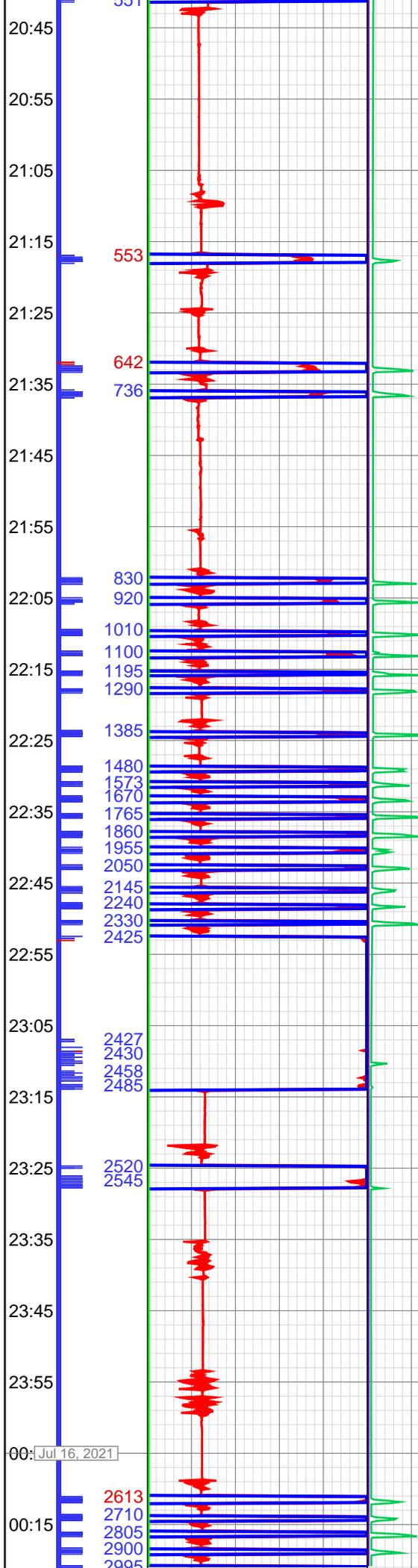
17:05  
17:15  
17:25  
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17:55  
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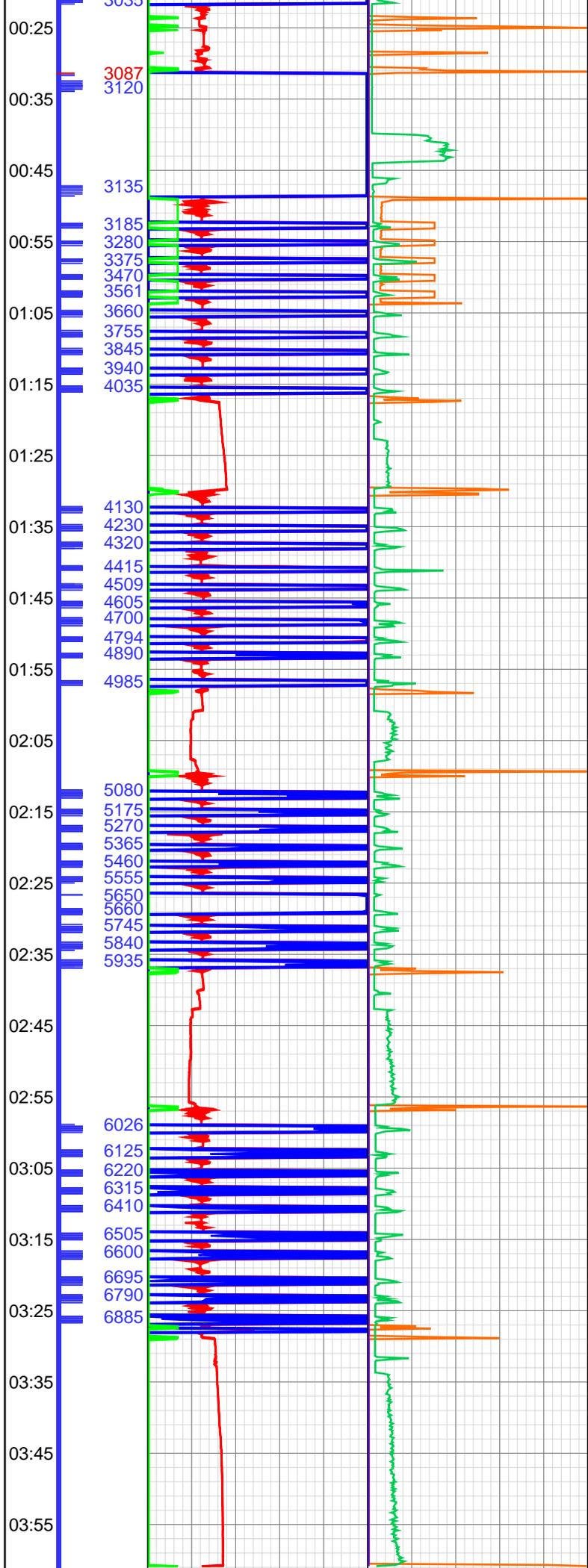
192  
282  
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465

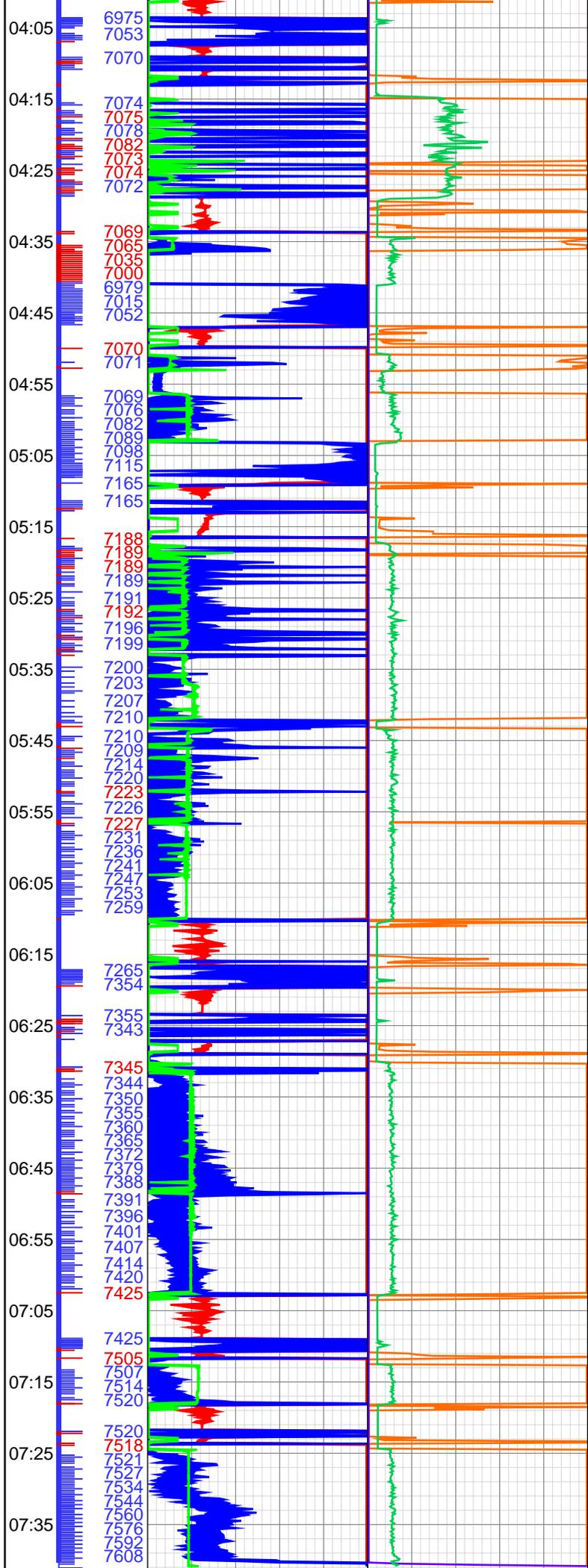
07/15 18:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

07/15 18:39:41: BIT  
HOURS CHANGED FROM  
9.9 TO 0









04:05  
04:15  
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07:35

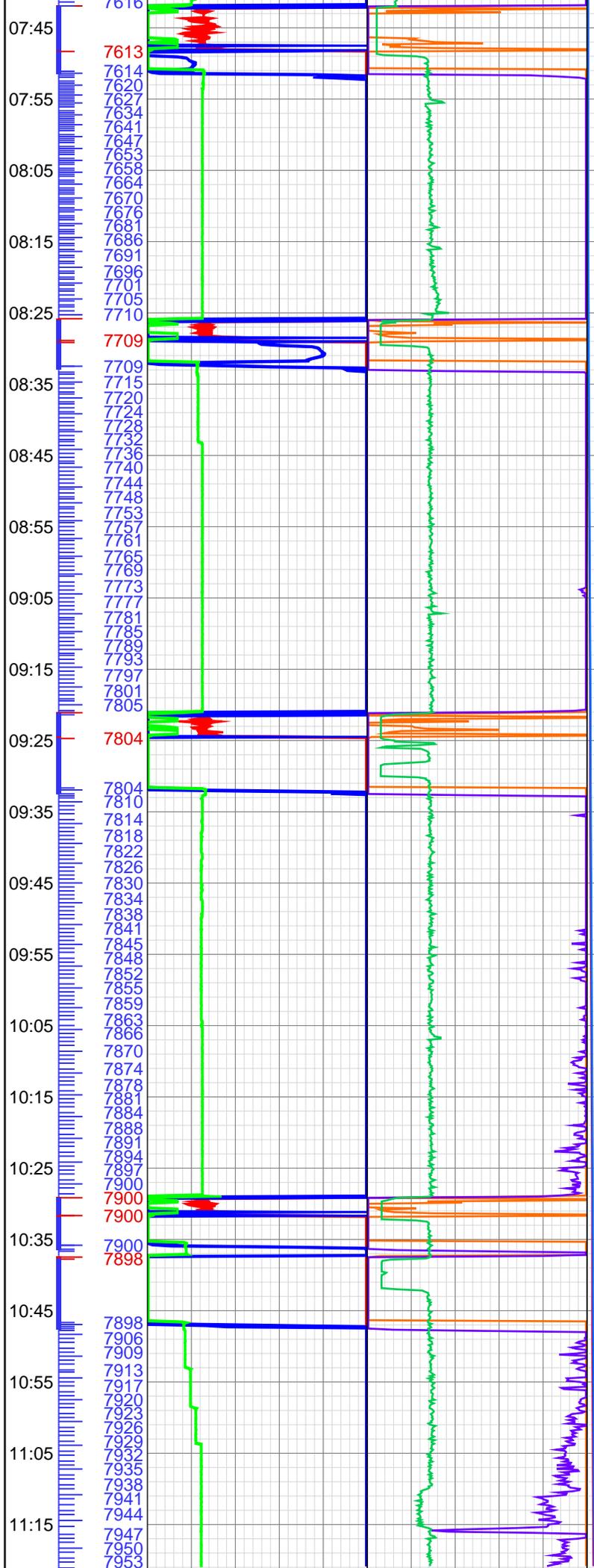
6975  
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7015  
7052  
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7576  
7592  
7608

07/16 05:34:09: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/16 05:34:51: ZWOB  
FROM DHC ZDIFF FROM  
DHC  
07/16 05:43:55: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/16 05:44:45: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/16 05:58:00: XFER  
WATER TO PITS

07/16 06:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available  
07/16 06:23:52: BIT  
DEPTH CHANGED TO  
7331.5 FEET  
07/16 06:31:25: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/16 06:31:28: ZWOB  
FROM Rig Display Drilling  
07/16 06:31:29: ZDIFF  
FROM Rig Display Drilling  
07/16 06:31:33: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/16 06:31:35: ZWOB  
FROM Rig Display Drilling  
07/16 06:31:36: ZDIFF  
FROM Rig Display Drilling  
07/16 06:31:54: ZWOB  
FROM Rig Display Drilling  
07/16 06:31:55: ZDIFF  
FROM Rig Display Drilling

07/16 07:24:58: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling





07/16 07:48:18:  
HOOKLOAD WAS  
RECALIBRATED.  
07/16 07:50:51: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/16 07:55:00:  
Connection at 7616.7

07/16 08:04:00: XFER TO  
PILL FRESH WATER FOR  
SWEEP

07/16 08:11:00: STOPPED  
XFER

07/16 08:30:00:  
Connection at 7711.8  
SENDING FRESH WATER  
SWEEP

07/16 08:32:00: ZWOB  
FROM Rig Display Drilling

07/16 08:32:01: ZDIFF  
FROM Rig Display Drilling

07/16 08:32:05: ZWOB  
FROM Rig Display Drilling

07/16 08:34:00: FRESH  
WATER SWEEP SENT

07/16 08:39:00: MUD WT  
8.3 IN/OUT VIS 26 PH 8

07/16 09:00:00: XFER  
FRESH WATER TO PILL

07/16 09:07:00: STOPPED  
XFER

07/16 09:20:41: IN TALLY:  
HOLE DEPTH SET TO  
7807.3

07/16 09:26:00:  
Connection at 7807.3

07/16 09:31:49: ZWOB  
FROM Rig Display Drilling

ZDIFF FROM Rig Display  
Drilling

07/16 09:31:52: ZWOB  
FROM Rig Display Drilling

ZDIFF FROM Rig Display  
Drilling

07/16 09:55:00: XFER  
OUT OF PITS TO  
RESERVE PIT

07/16 10:32:00:  
Connection at 7902.9

07/16 10:45:00: STOPPED  
XFER TO RESERVE PIT

07/16 10:46:47: ZWOB  
FROM Rig Display Drilling

07/16 10:46:48: ZDIFF  
FROM Rig Display Drilling

07/16 10:59:00: RPM  
STEP TEST

07/16 11:10:00: GPM  
STEP TEST

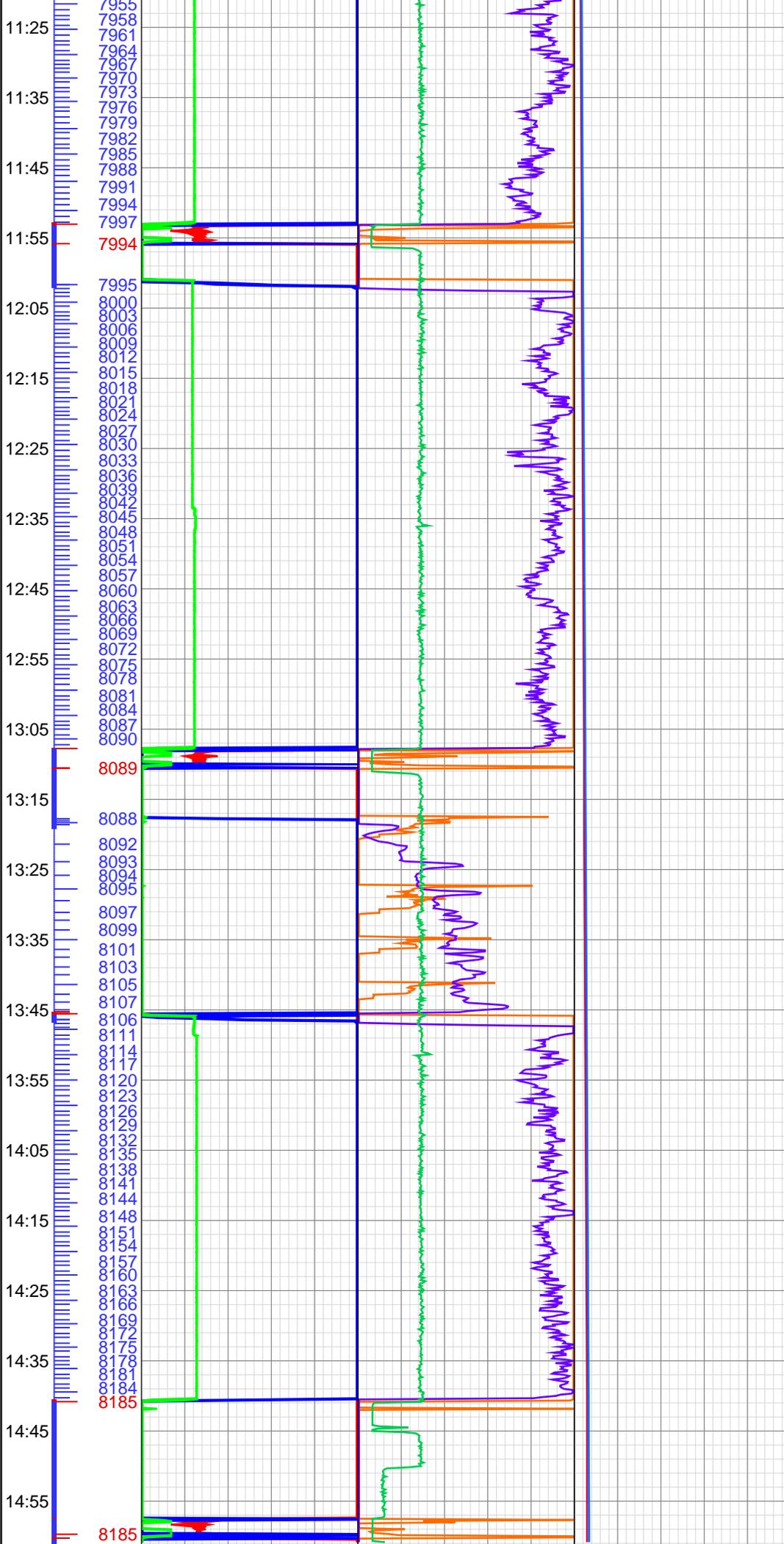
07/16 11:11:38: DIFF  
PRESS ZERO POINT

MANUALLY CHANGED  
FROM DHC WHILE ON  
BOTTOM

07/16 11:14:00: MUD WT  
8.3 VIS 26 PH 10

07/16 11:15:30: DIFF  
PRESS ZERO POINT

MANUALLY CHANGED  
FROM DHC WHILE ON



BOTTOM  
 07/16 11:16:40: DIFF  
 PRESS ZERO POINT  
 MANUALLY CHANGED  
 FROM DHC WHILE ON  
 BOTTOM  
 07/16 11:28:00: PUMPING  
 70 BBL FRESH WATER  
 SWEEP  
 07/16 11:32:00: BACK ON  
 ACTIVE  
 07/16 11:36:00: XFER  
 FRESH WATER TO PILL  
 07/16 11:43:00: STOPPED  
 XFER TO PILL

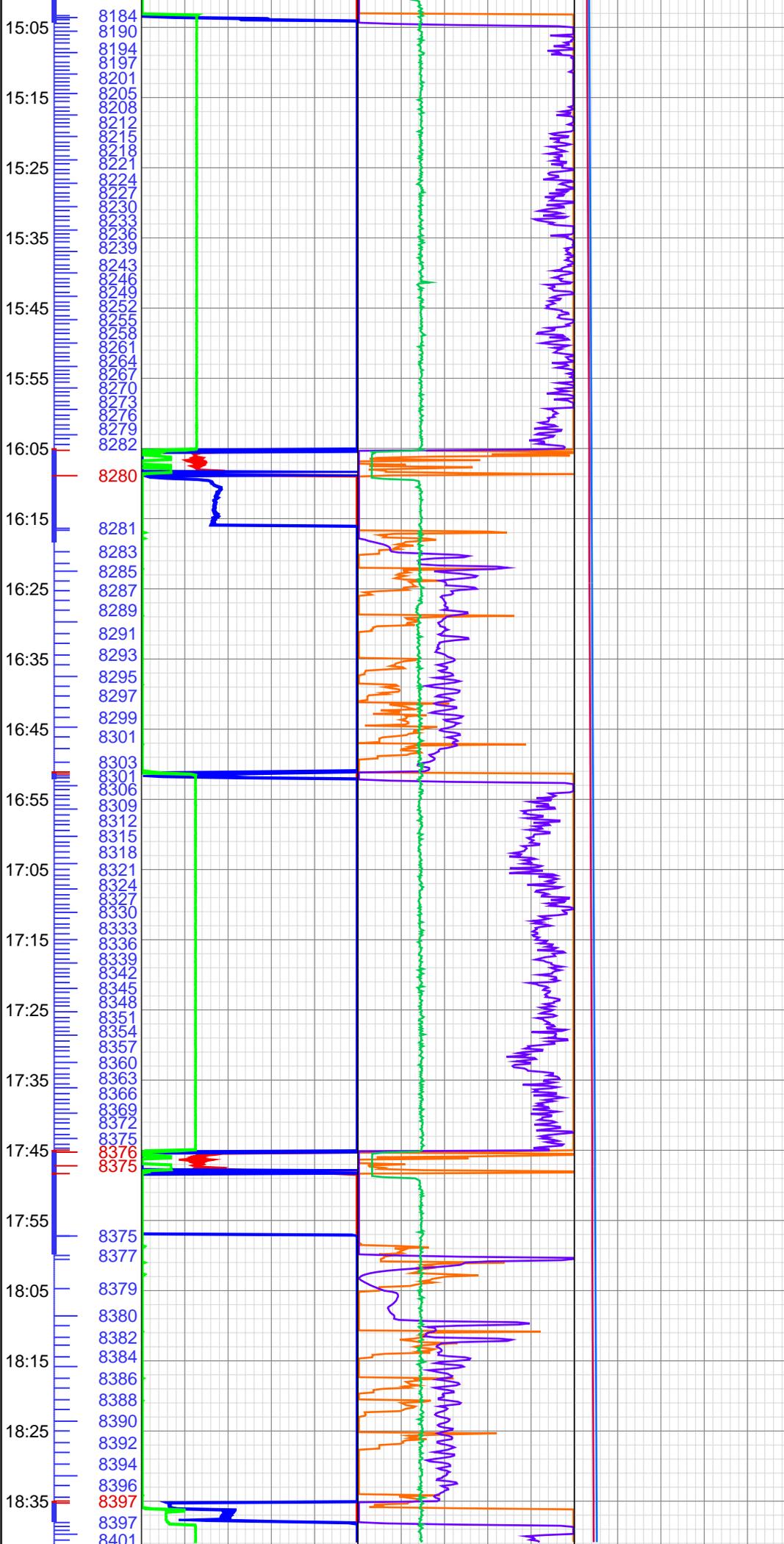
07/16 11:56:00:  
 Connection at 7998.0  
 07/16 12:01:09: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling  
 07/16 12:10:10:  
 RIGALARM: No PVT Rig  
 Alarm Device Available

07/16 13:11:00: MUD WT  
 8.3 VIS 26 PH 10  
 Connection at 8093.0

07/16 13:45:54: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling

07/16 14:40:16: IN TALLY:  
 HOLE DEPTH SET TO  
 8188.0

07/16 14:52:00: RIG  
 SERVICE  
 07/16 15:01:00:  
 Connection at 8188.0  
 07/16 15:03:23: ZWOB  
 FROM Rig Display Drilling



ZDIFF FROM Rig Display Drilling  
 07/16 15:03:25: ZWOB FROM Rig Display Drilling  
 ZDIFF FROM Rig Display Drilling  
 07/16 15:03:26: ZWOB FROM Rig Display Drilling  
 07/16 15:03:27: ZDIFF FROM Rig Display Drilling

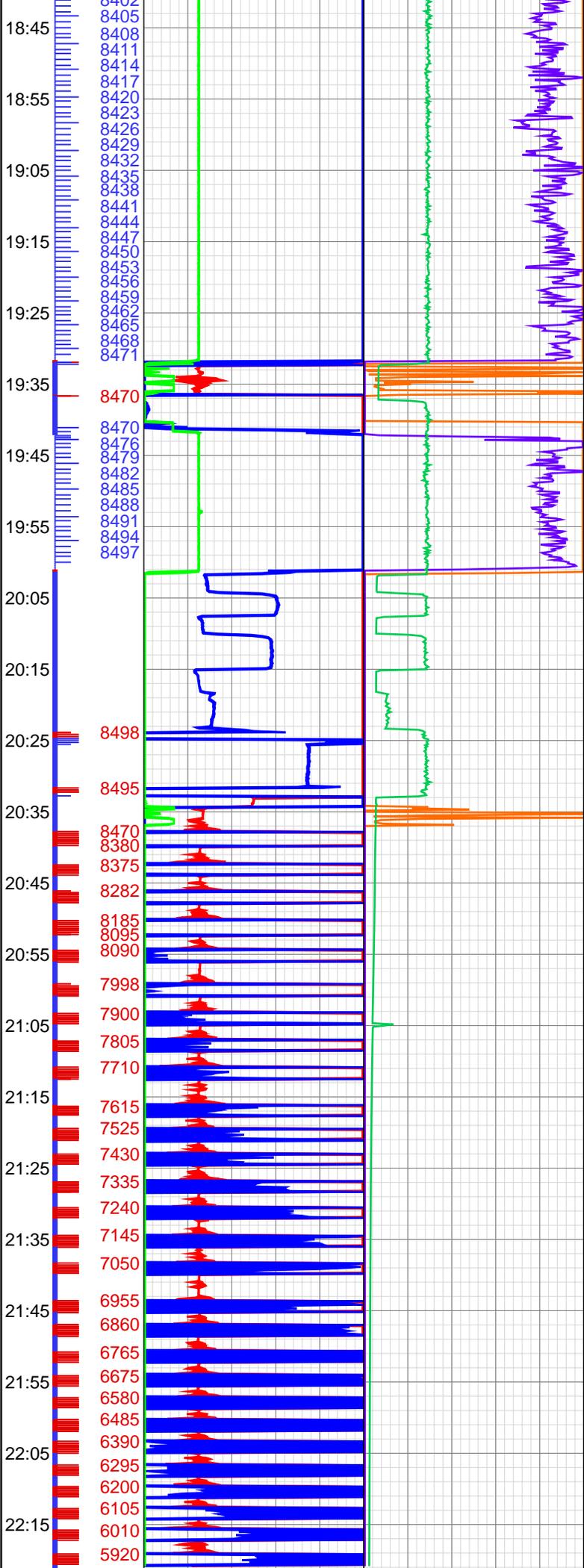
07/16 15:29:00: MUD WT  
 8.3 VIS 26 PH 10

07/16 16:09:00:  
 Connection at 8283.6

07/16 17:49:00:  
 Connection at 8378.7

07/16 18:10:10:  
 RIGALARM: No PVT Rig Alarm Device Available

15:05 8184  
 8190  
 8194  
 8197  
 8201  
 15:15 8205  
 8208  
 8212  
 8215  
 8218  
 8221  
 8224  
 8227  
 8230  
 8233  
 8236  
 8239  
 15:35 8243  
 8246  
 8249  
 8252  
 8255  
 8258  
 8261  
 8264  
 8267  
 8270  
 8273  
 8276  
 8279  
 16:05 8282  
 8280  
 16:15 8281  
 8283  
 8285  
 8287  
 8289  
 8291  
 8293  
 8295  
 8297  
 8299  
 8301  
 16:45 8303  
 8301  
 8306  
 8309  
 8312  
 8315  
 8318  
 17:05 8321  
 8324  
 8327  
 8330  
 8333  
 8336  
 8339  
 8342  
 8345  
 8348  
 17:25 8351  
 8354  
 8357  
 8360  
 17:35 8363  
 8366  
 8369  
 8372  
 8375  
 8376  
 8375  
 17:45 8375  
 8377  
 17:55 8379  
 8380  
 8382  
 8384  
 8386  
 8388  
 8390  
 8392  
 8394  
 8396  
 8397  
 8397  
 8401



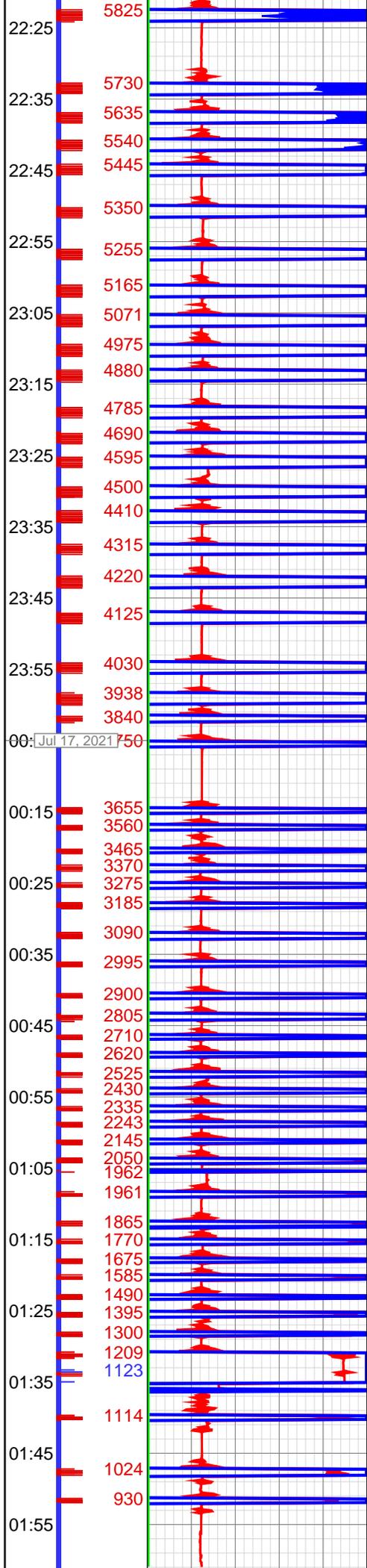
8470  
8470  
8476  
8479  
8482  
8485  
8488  
8491  
8494  
8497

8498  
8495  
8470  
8380  
8375  
8282  
8185  
8095  
8090  
7998  
7900  
7805  
7710  
7615  
7525  
7430  
7335  
7240  
7145  
7050

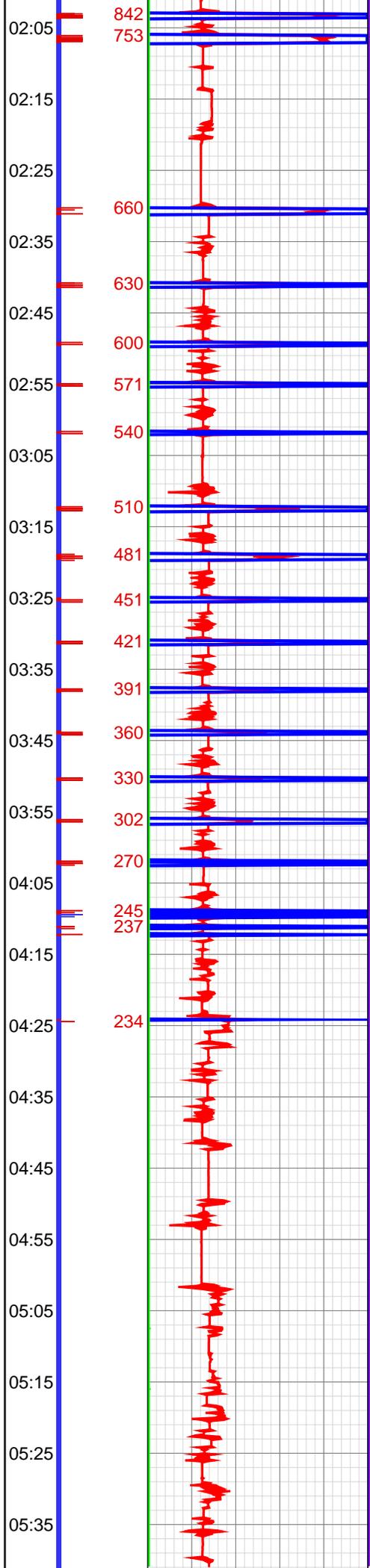
6955  
6860  
6765  
6675  
6580  
6485  
6390  
6295  
6200  
6105  
6010  
5920

07/16 19:38:00:  
Connection at 8474.5  
07/16 19:40:43: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/16 19:40:52: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/16 19:42:31: IN TALLY:  
HOLE DEPTH SET TO  
8474.5

07/16 20:24:00: final  
SURVEY INC 1.39 AZ  
249.84

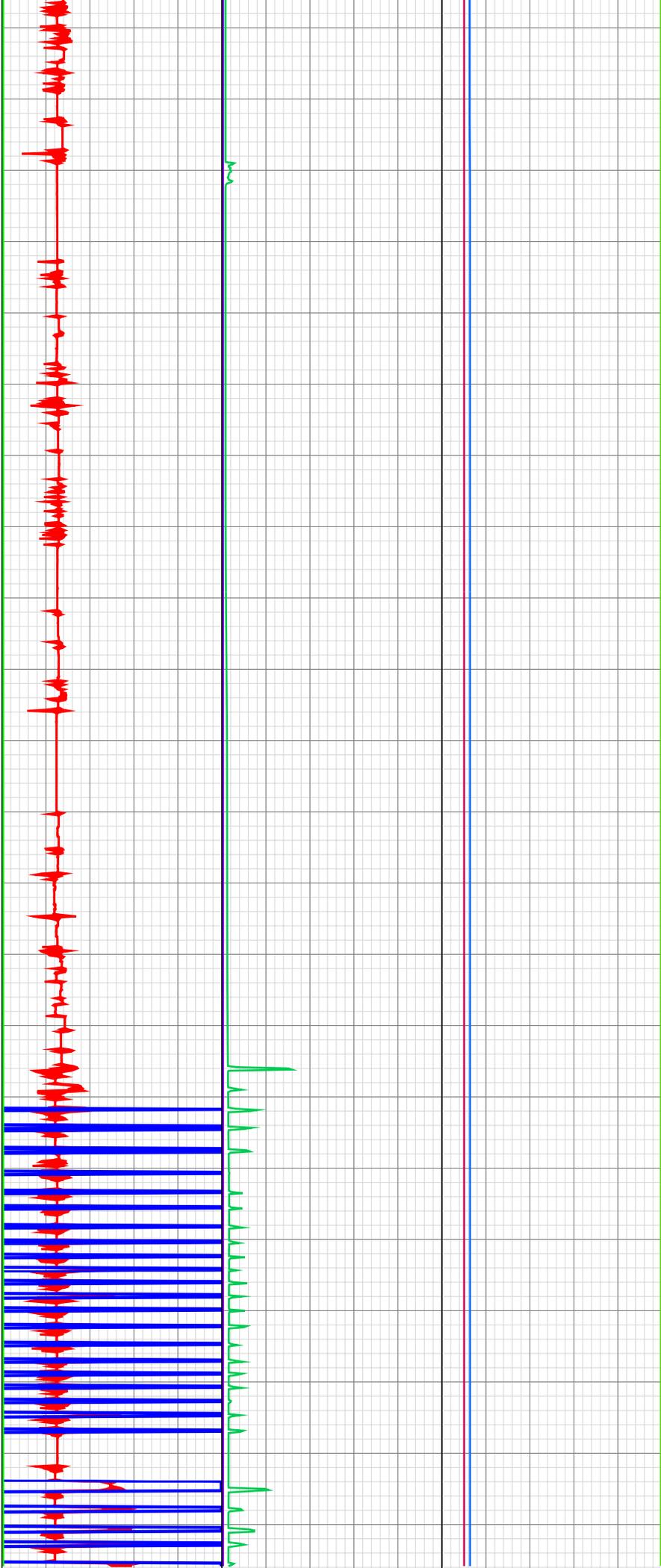


07/17 00:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available



05:45  
05:55  
06:05  
06:15  
06:25  
06:35  
06:45  
06:55  
07:05  
07:15  
07:25  
07:35  
07:45  
07:55  
08:05  
08:15  
08:25  
08:35  
08:45  
08:55  
09:05  
09:15

235  
275  
355  
439  
471  
505  
532  
565  
595  
625  
680  
710  
740  
750  
785  
815  
865  
909  
940  
975  
1005  
1165  
1260  
1355  
1447

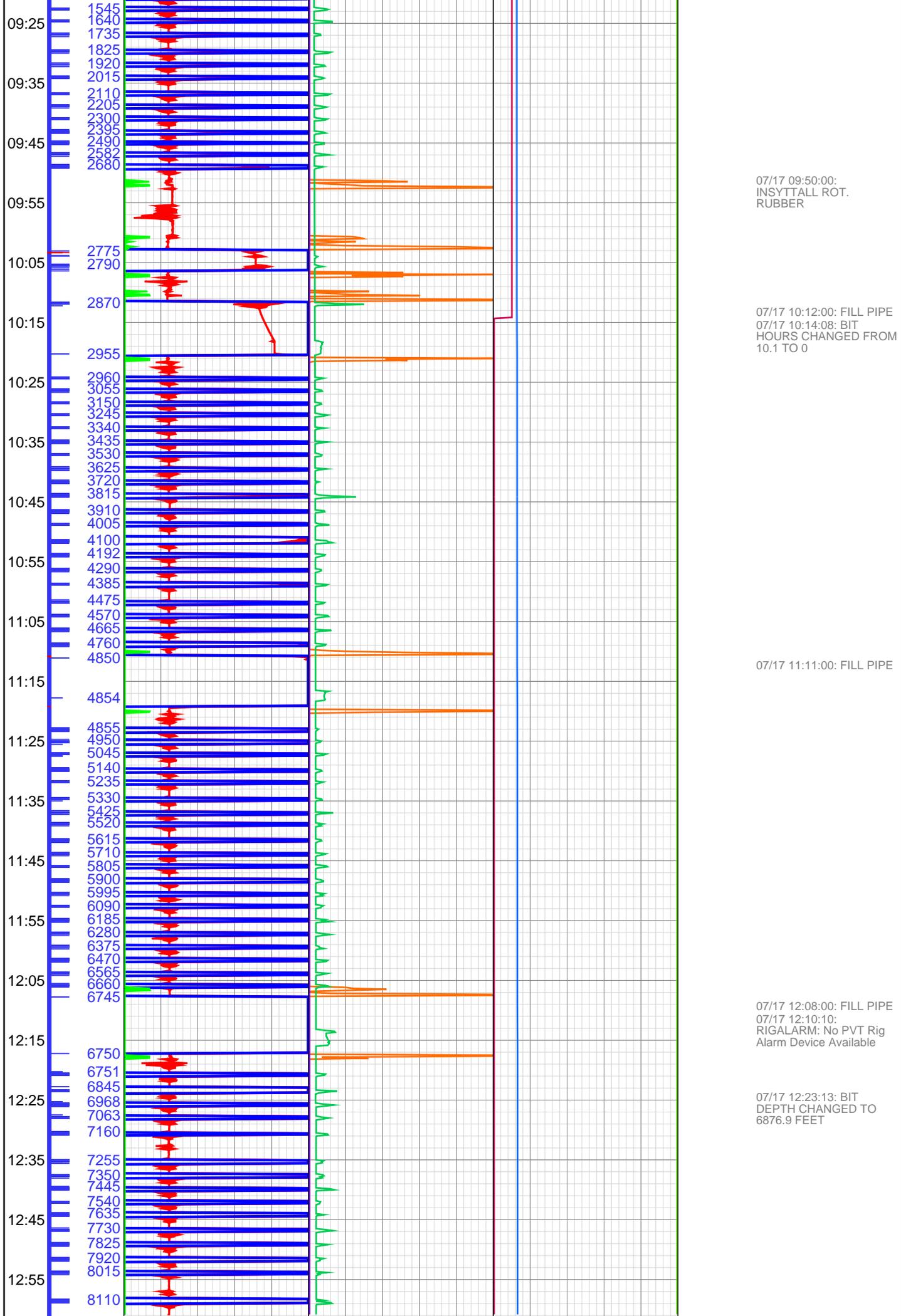


07/17 06:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

07/17 08:22:00: P/U D.P

07/17 09:04:00: T.I.H

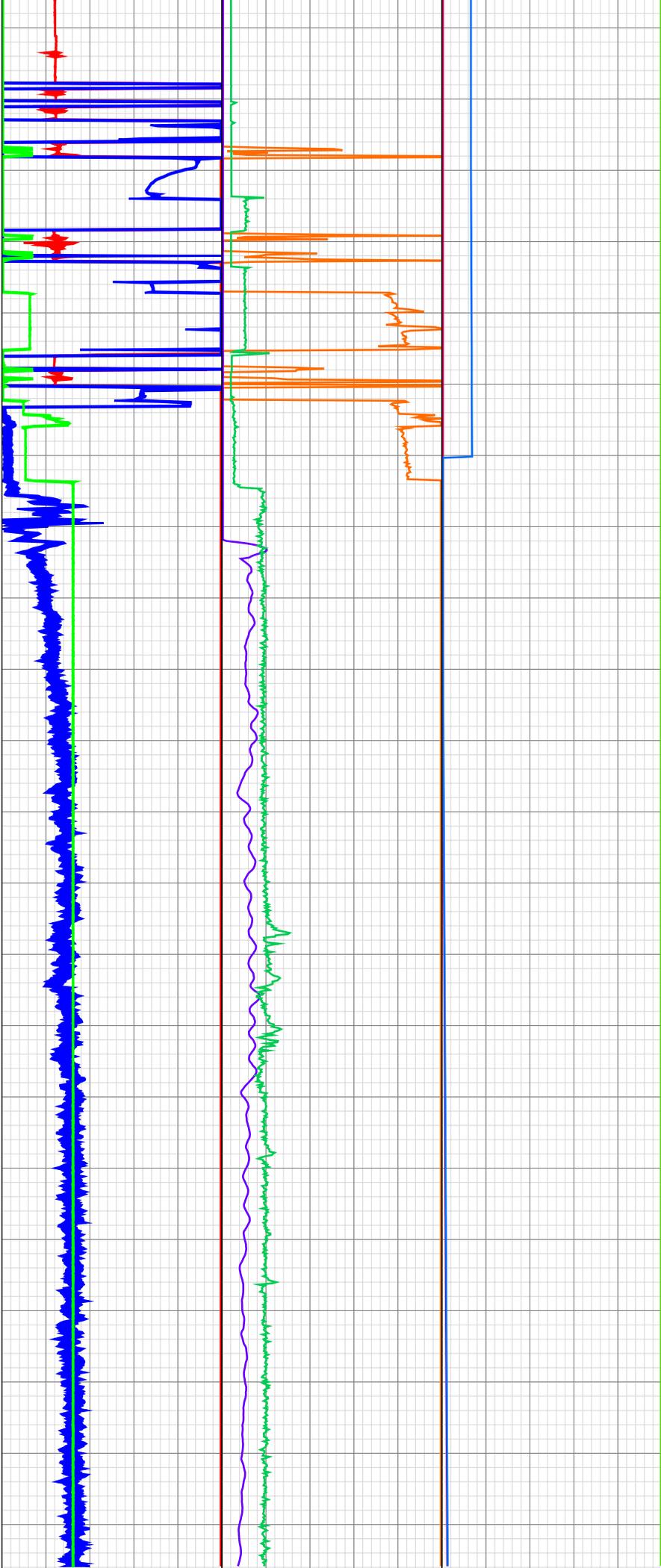
07/17 09:09:33: BIT  
DEPTH CHANGED TO  
1072.2 FEET



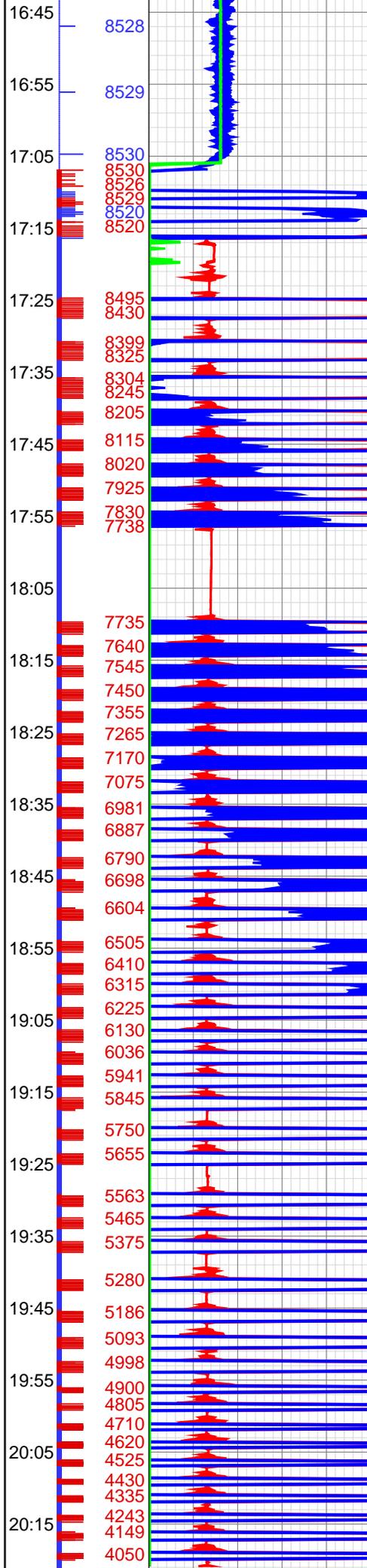


13:05  
13:15  
13:25  
13:35  
13:45  
13:55  
14:05  
14:15  
14:25  
14:35  
14:45  
14:55  
15:05  
15:15  
15:25  
15:35  
15:45  
15:55  
16:05  
16:15  
16:25  
16:35

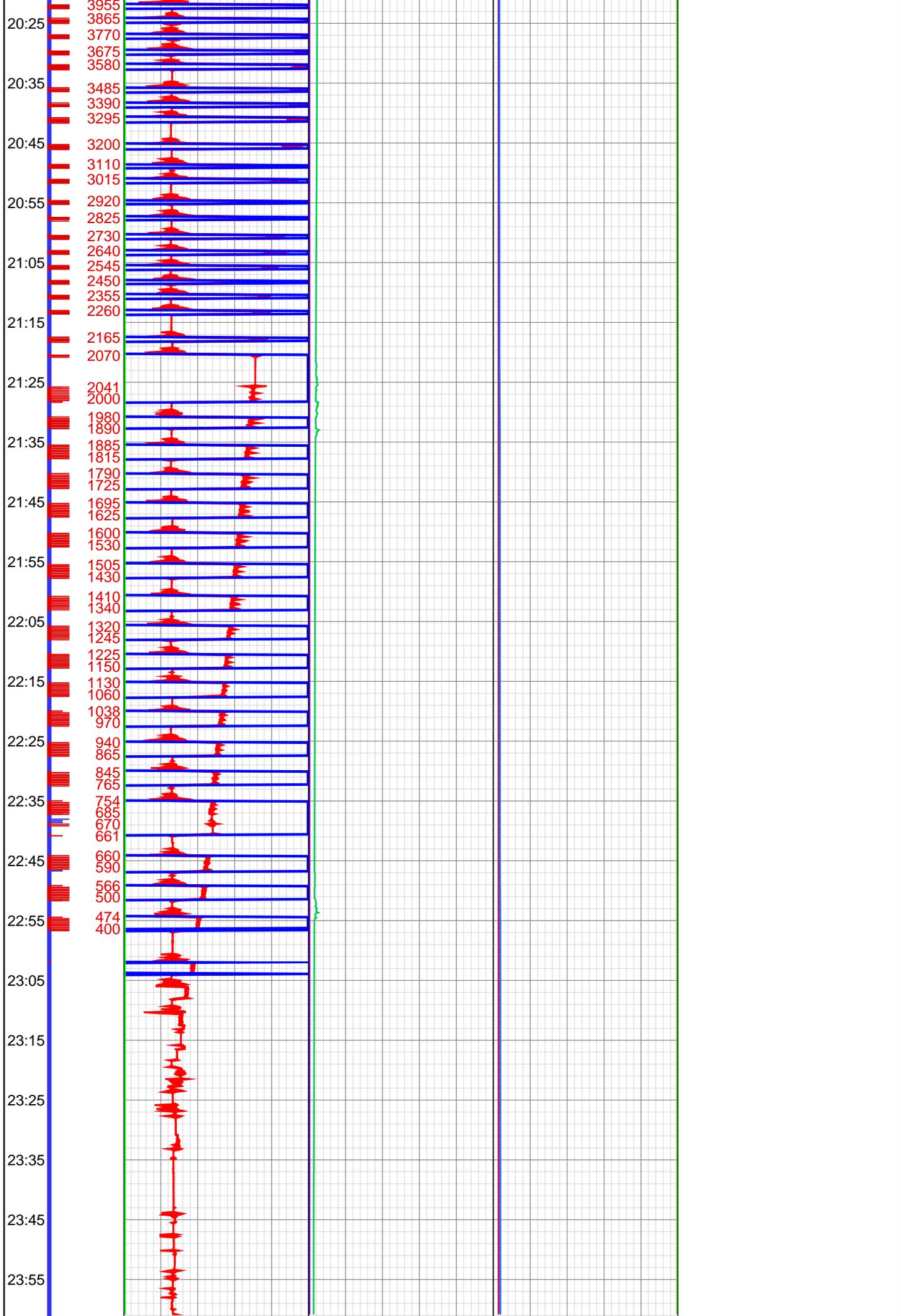
8201  
8300  
8395  
8410  
8390  
8390  
8415  
8475  
8486  
8496  
8496  
8495  
8495  
8493  
8497  
8497  
8500  
8501  
8502  
8503  
8504  
8505  
8506  
8507  
8508  
8509  
8510  
8511  
8512  
8513  
8514  
8515  
8516  
8517  
8518  
8519  
8520  
8521  
8522  
8523  
8524  
8525  
8526  
8527



07/17 13:55:47:  
HOOKLOAD WAS  
RECALIBRATED.  
07/17 13:58:01: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/17 14:08:23: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/17 14:09:00: PUMP  
PILL  
07/17 14:14:13: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/17 14:20:00: BACK ON  
ACTIVE



07/17 18:10:10:  
 RIGALARM: No PVT Rig  
 Alarm Device Available

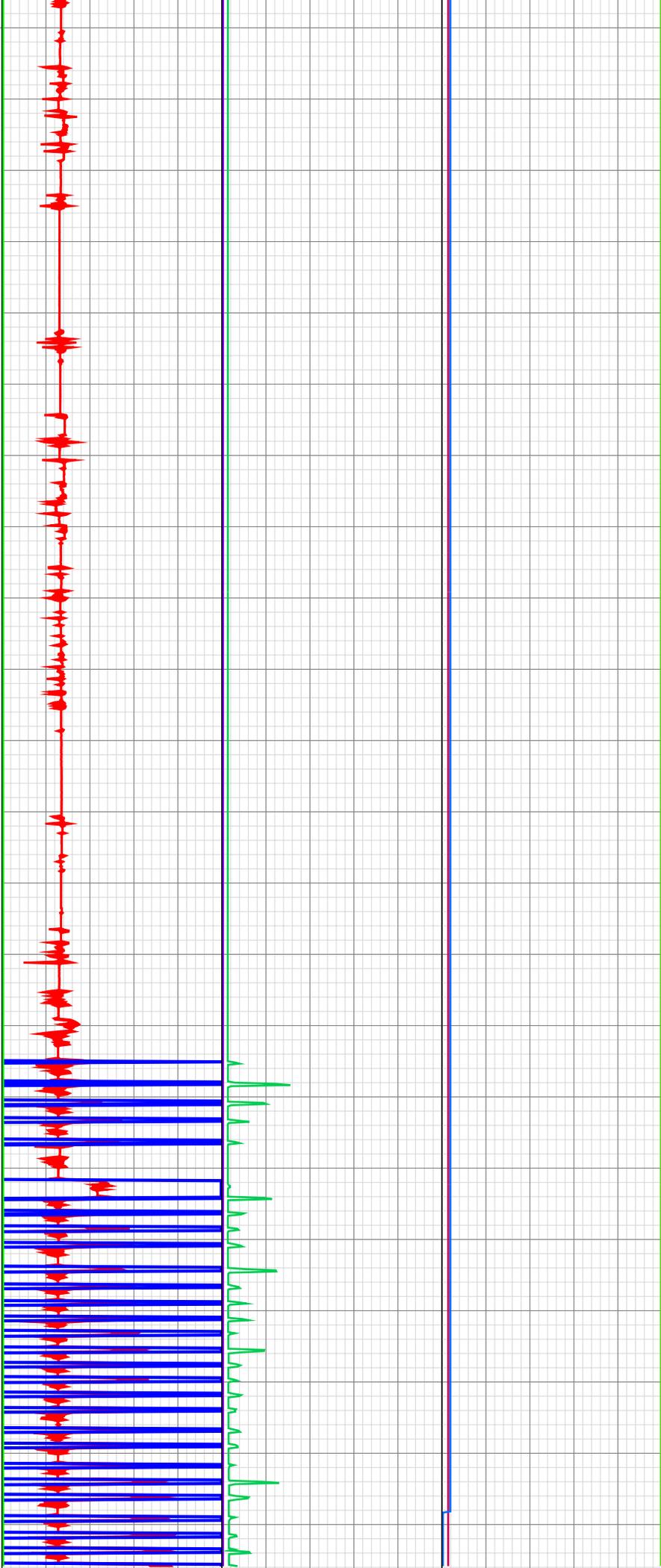


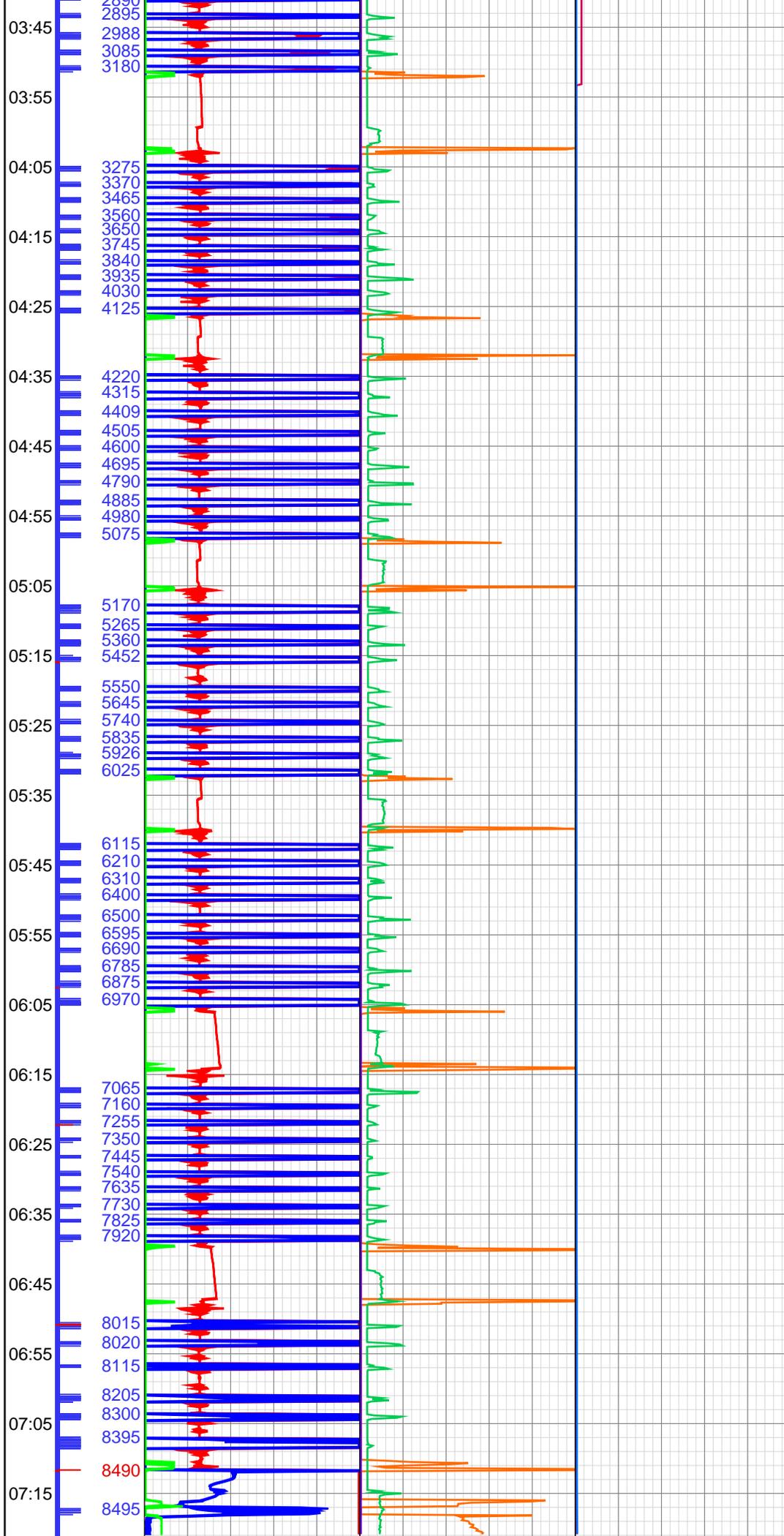
00: Jul 18, 2021

07/18 00:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

00:15  
00:25  
00:35  
00:45  
00:55  
01:05  
01:15  
01:25  
01:35  
01:45  
01:55  
02:05  
02:15  
02:25  
02:35  
02:45  
02:55  
03:05  
03:15  
03:25  
03:35

- 385
- 395
- 465
- 550
- 635
- 721
- 765
- 820
- 910
- 1001
- 1095
- 1195
- 1285
- 1380
- 1475
- 1570
- 1665
- 1760
- 1855
- 1950
- 2045
- 2140
- 2235
- 2325
- 2420
- 2515
- 2610
- 2705
- 2800



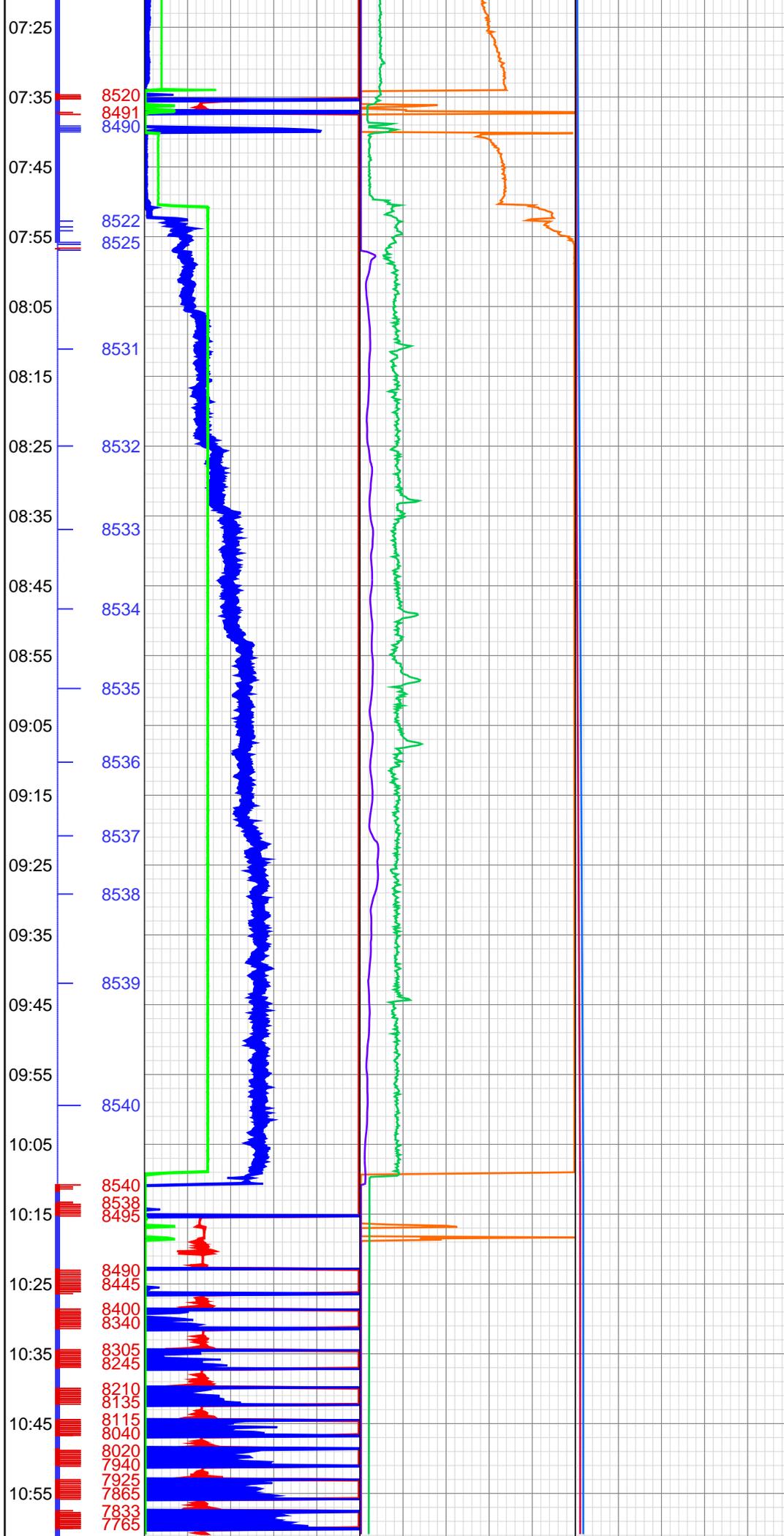


07/18 03:53:01: BIT  
HOURS CHANGED FROM  
2.8 TO 0

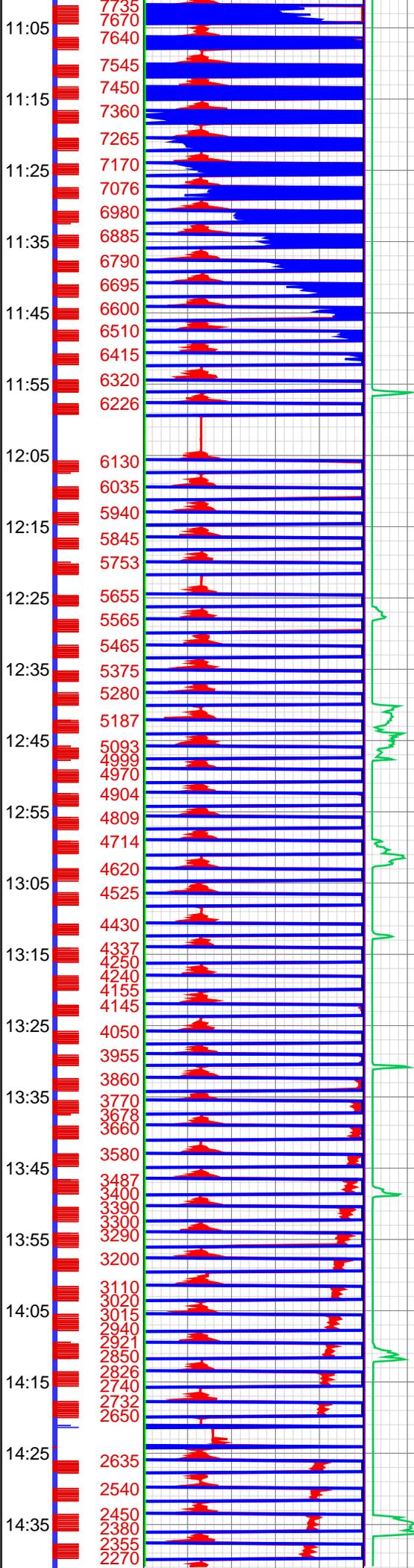
07/18 06:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

07/18 06:41:00: FILL PIPE

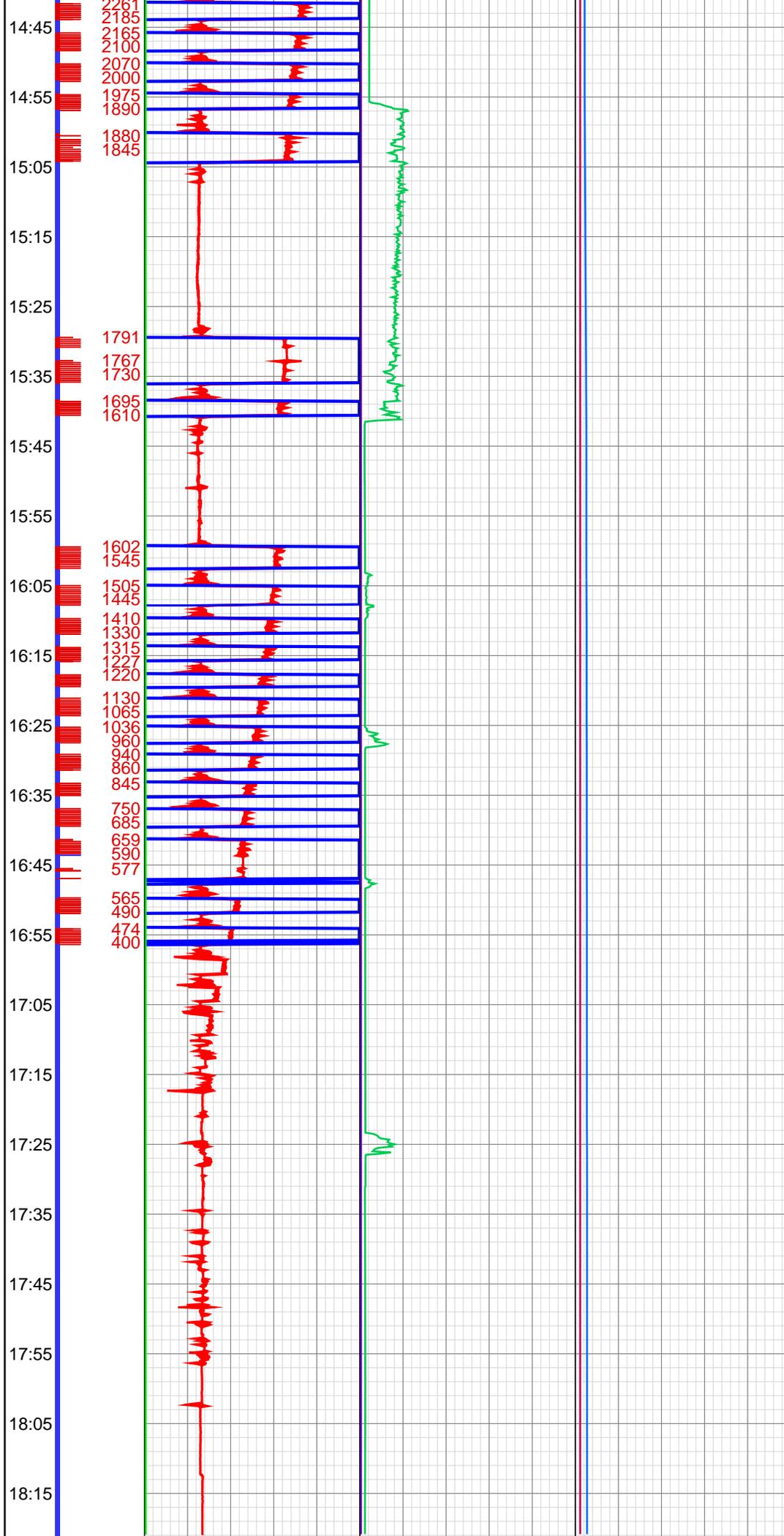
07/18 06:50:46: BIT  
DEPTH CHANGED TO  
7924.0 FEET



07/18 07:50:53: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling



07/18 12:10:10:  
 RIGALARM: No PVT Rig  
 Alarm Device Available

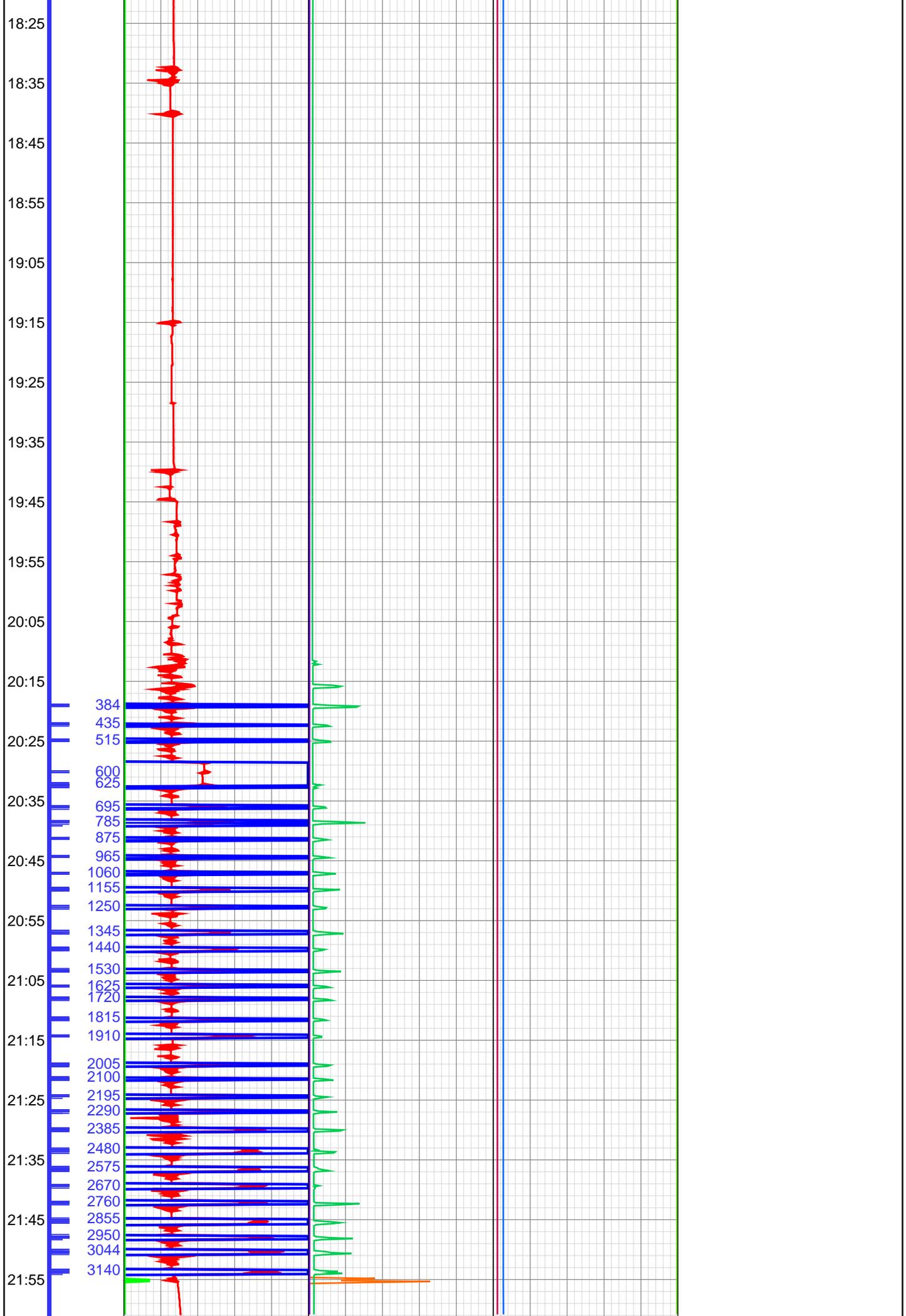


07/18 15:16:00: SHUT  
DOWN FOR WIND

07/18 16:44:00: PULL  
ROT. RUBBER

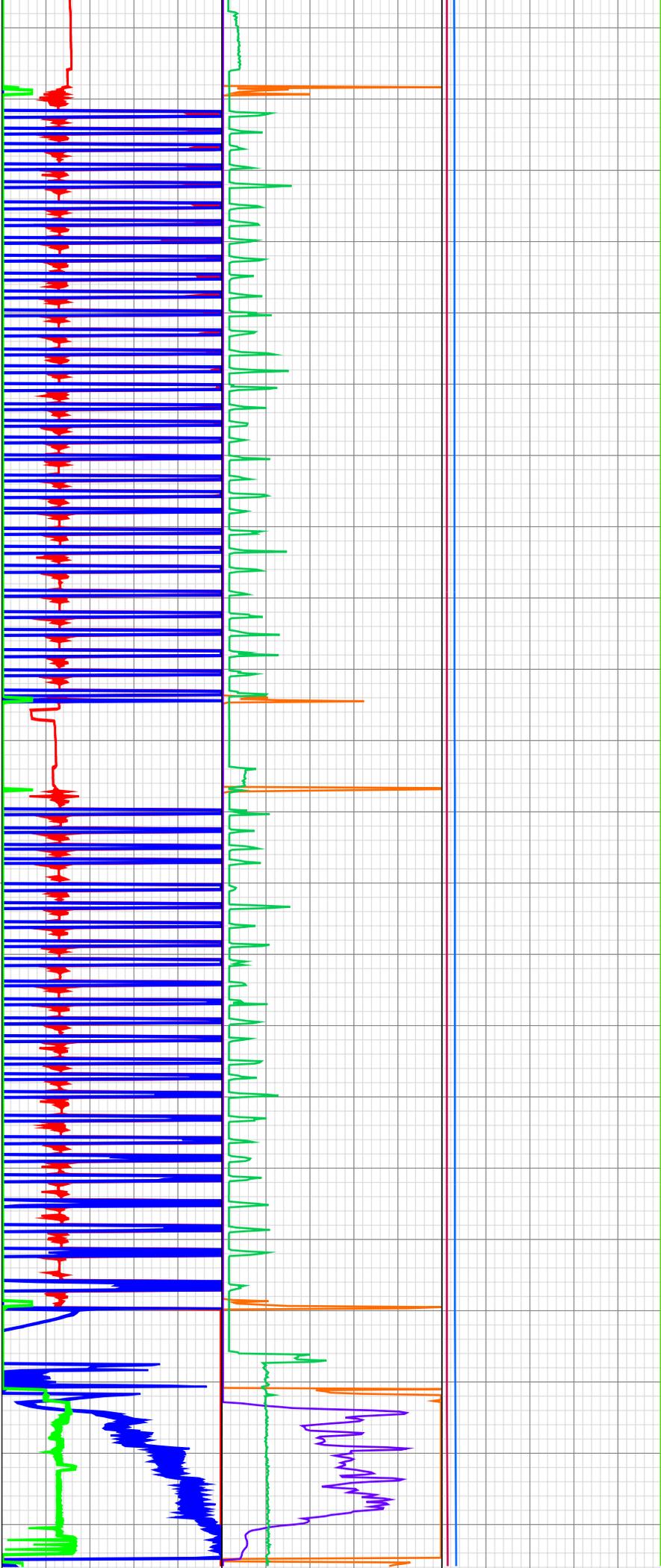
07/18 18:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available





22:05  
22:15  
22:25  
22:35  
22:45  
22:55  
23:05  
23:15  
23:25  
23:35  
23:45  
23:55  
00:00  
00:15  
00:25  
00:35  
00:45  
00:55  
01:05  
01:15  
01:25  
01:35

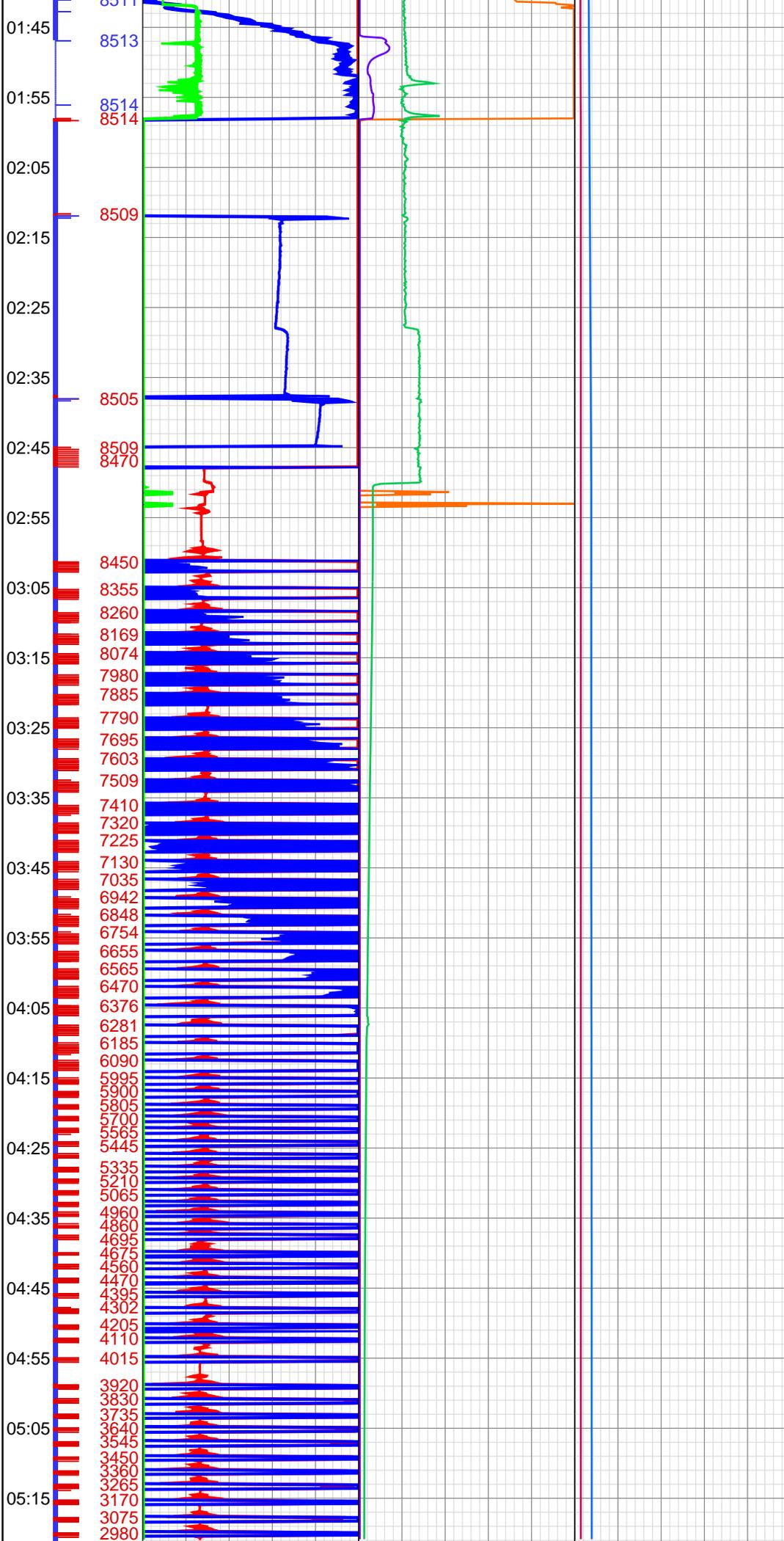
3235  
3330  
3425  
3520  
3615  
3710  
3805  
3900  
3995  
4085  
4185  
4280  
4370  
4465  
4560  
4655  
4750  
4845  
4940  
5035  
5130  
5225  
5320  
5415  
5510  
5605  
5700  
5795  
5890  
5982  
6080  
6175  
6265  
6170  
6265  
6360  
6455  
6550  
6645  
6740  
6835  
6930  
7025  
7120  
7215  
7310  
7405  
7498  
7595  
7690  
7785  
7880  
7975  
8070  
8165  
8260  
8355  
8446  
8449  
8480  
8496  
8498  
8500  
8502  
8504  
8506  
8508  
8511  
8513  
8510



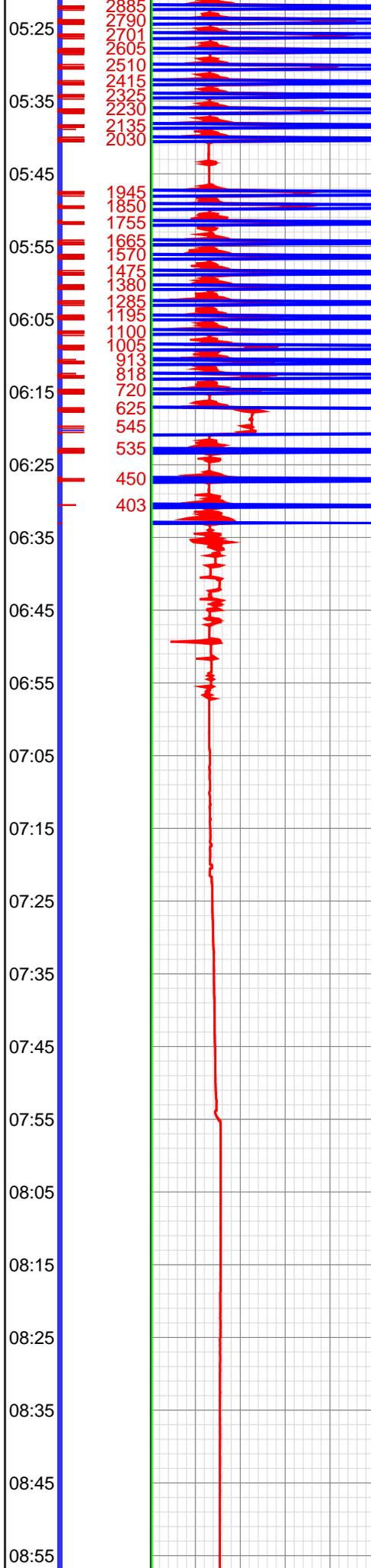
07/18 23:45:25: BIT  
DEPTH CHANGED TO  
6169.0 FEET

07/19 00:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

07/19 01:13:04: BIT  
DEPTH CHANGED TO  
8457.0 FEET  
07/19 01:13:19: ZWOB  
FROM Rig Display Drilling  
07/19 01:16:01: ZWOB  
FROM Rig Display Drilling  
07/19 01:17:51: HOLE  
DEPTH CHANGED TO  
8497.0 FEET  
07/19 01:17:52: DAS:  
detected Stick Slip



07/19 02:08:42: HOLE  
DEPTH CHANGED TO  
8540.0 FEET



2885  
2790  
2701  
2605  
2510  
2415  
2325  
2230  
2135  
2030  
  
1945  
1850  
1755  
1665  
1570  
1475  
1380  
1285  
1195  
1100  
1005  
913  
818  
720  
625  
545  
535  
450  
403

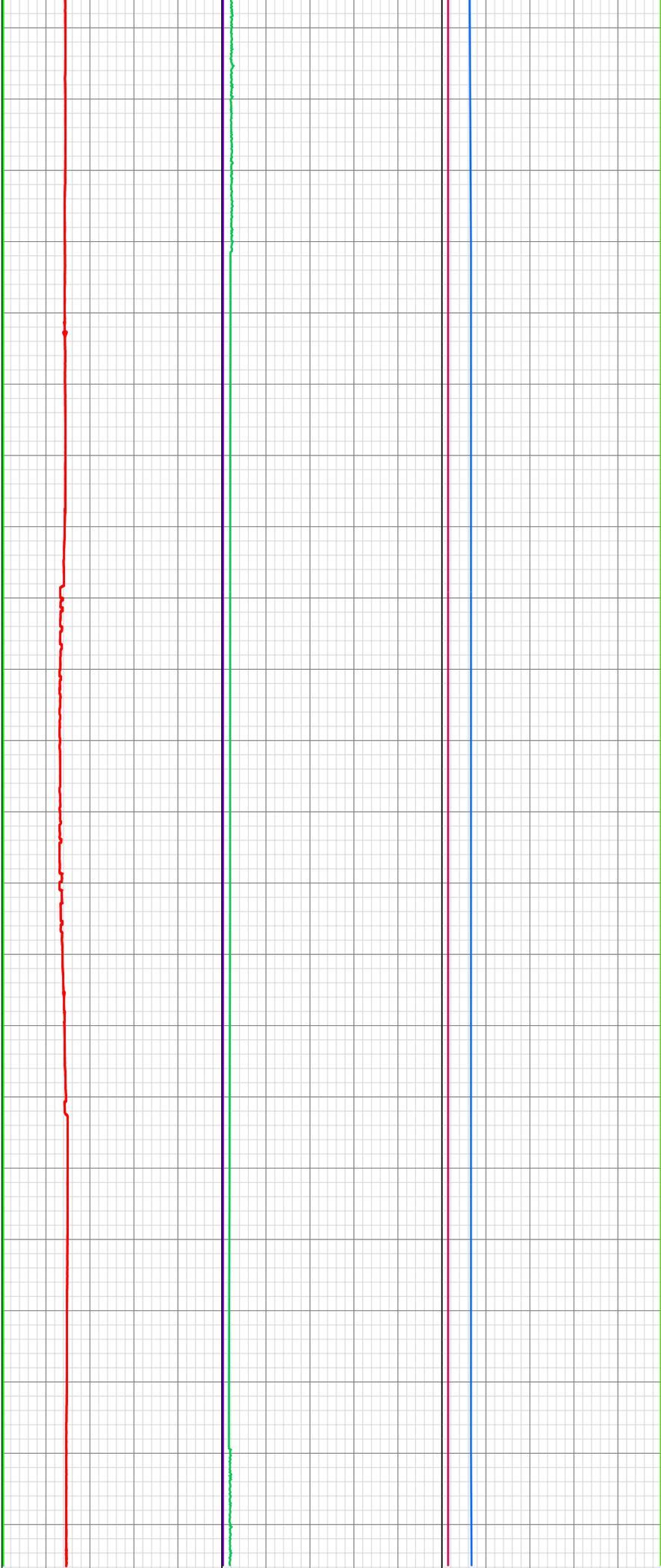
07/19 06:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available  
  
07/19 06:18:00: PULL  
ROT. RUBBER

09:05  
09:15  
09:25  
09:35  
09:45  
09:55  
10:05  
10:15  
10:25  
10:35  
10:45  
10:55  
11:05  
11:15  
11:25  
11:35  
11:45  
11:55  
12:05  
12:15  
12:25  
12:35



07/19 12:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

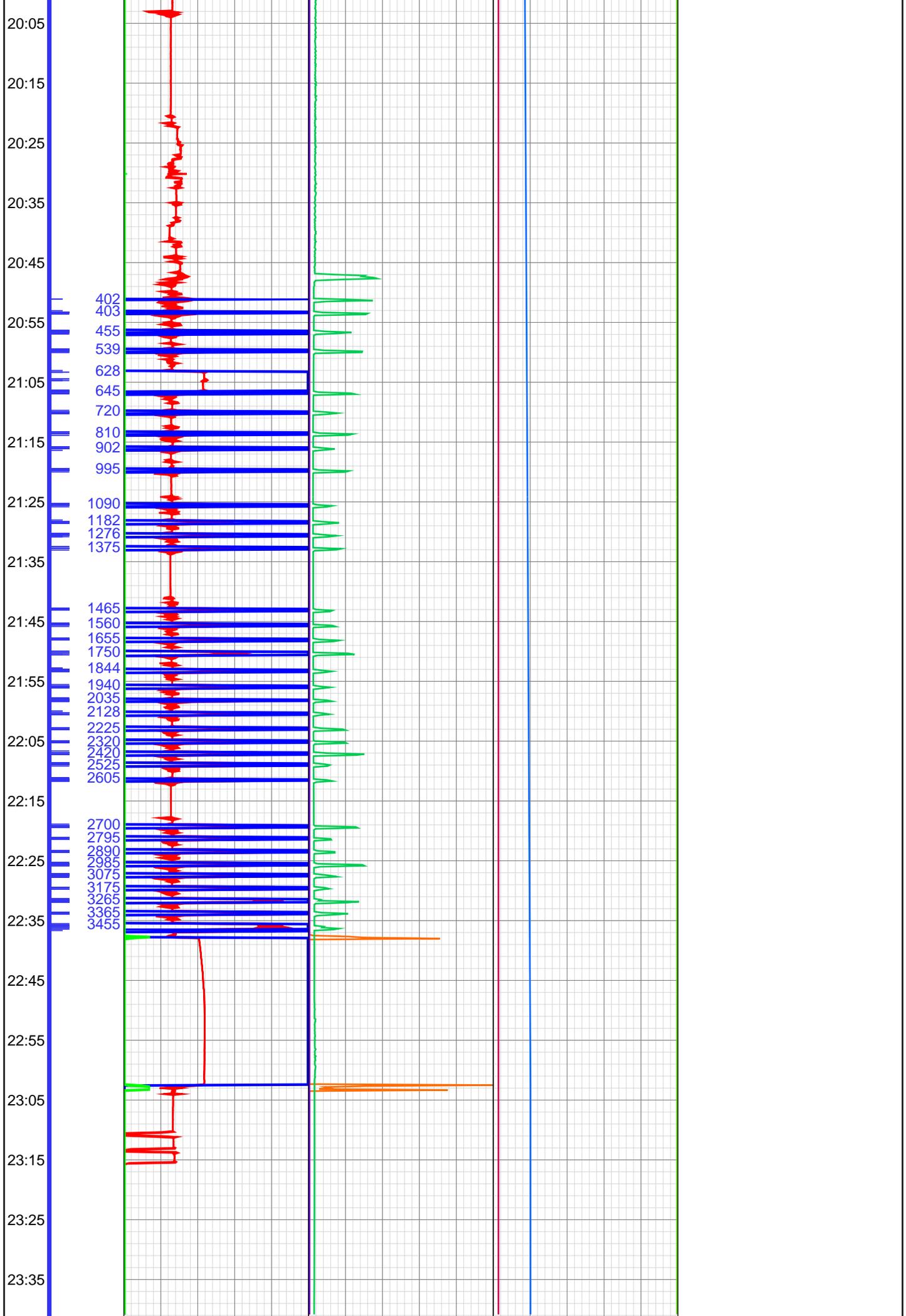
12:45  
12:55  
13:05  
13:15  
13:25  
13:35  
13:45  
13:55  
14:05  
14:15  
14:25  
14:35  
14:45  
14:55  
15:05  
15:15  
15:25  
15:35  
15:45  
15:55  
16:05  
16:15



16:25  
16:35  
16:45  
16:55  
17:05  
17:15  
17:25  
17:35  
17:45  
17:55  
18:05  
18:15  
18:25  
18:35  
18:45  
18:55  
19:05  
19:15  
19:25  
19:35  
19:45  
19:55



07/19 18:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available





23:45  
23:55  
00:00  
00:15  
00:25  
00:35  
00:45  
00:55  
01:05  
01:15  
01:25  
01:35  
01:45  
01:55  
02:05  
02:15  
02:25  
02:35  
02:45  
02:55  
03:05  
03:15

Jul 20, 2021

3545

3408  
3505  
3600

3695  
3790  
3885  
3980

4075  
4170

4265  
4360  
4455  
4550  
4645  
4740  
4835  
4930  
5025

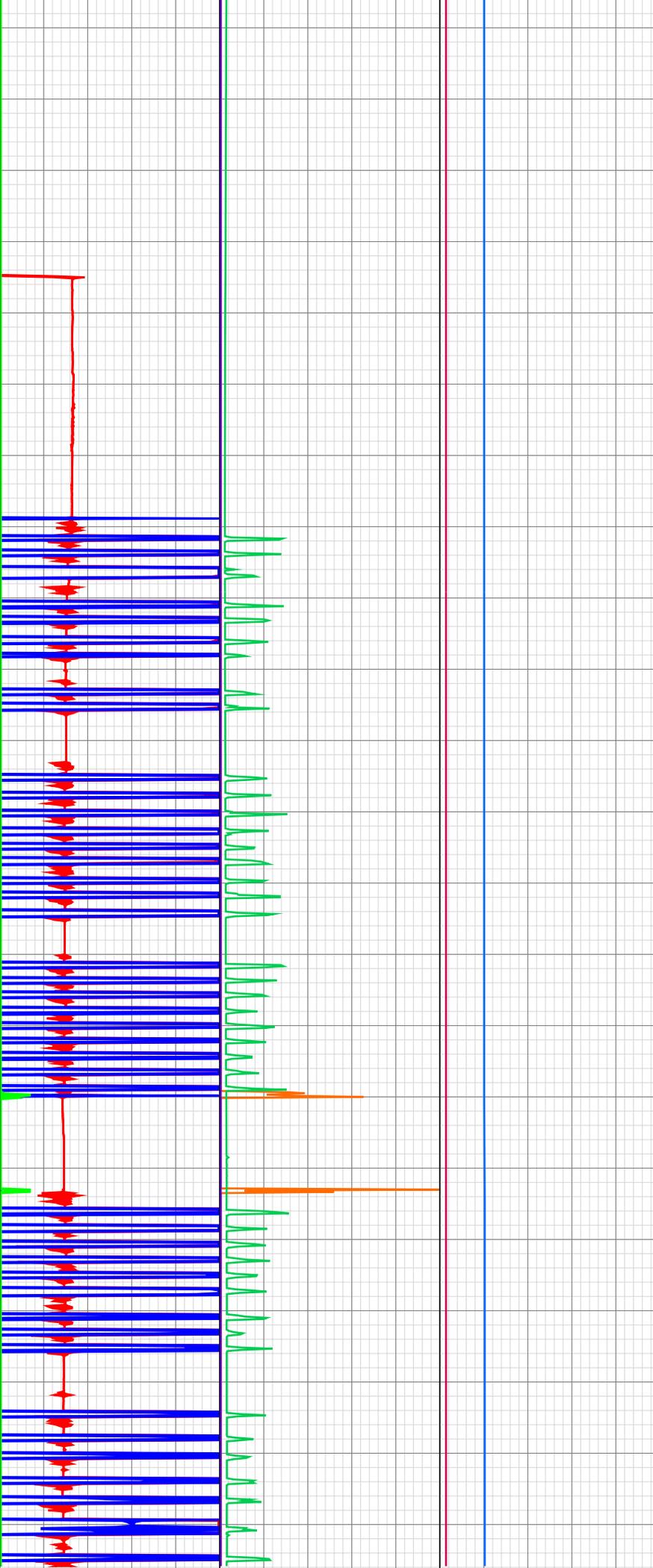
5119  
5215  
5310  
5405  
5500  
5595  
5690  
5785  
5880

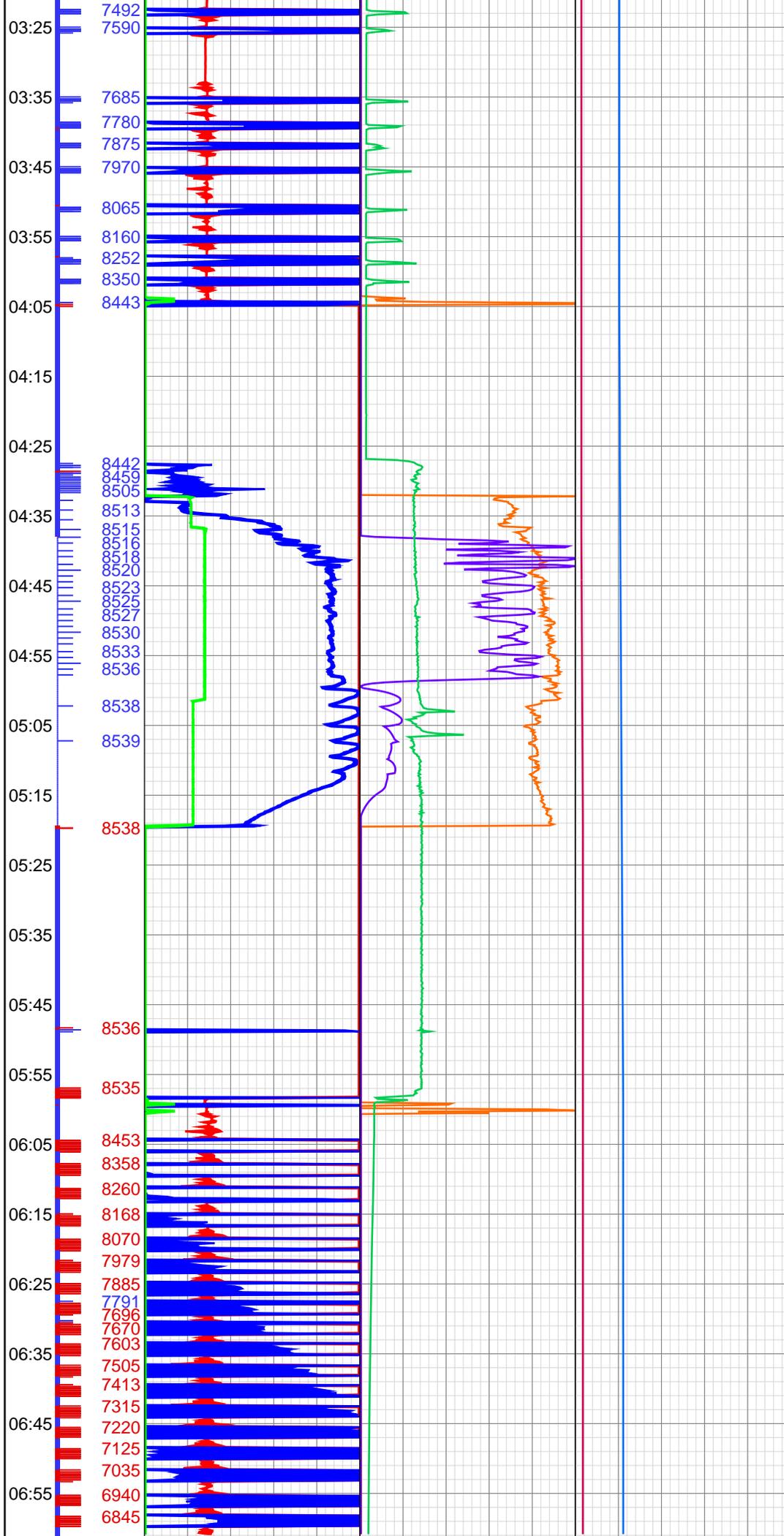
5975  
6070  
6165  
6260  
6355  
6450  
6545  
6640  
6735

6830  
6925  
7020  
7115  
7210  
7305  
7400

07/20 00:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

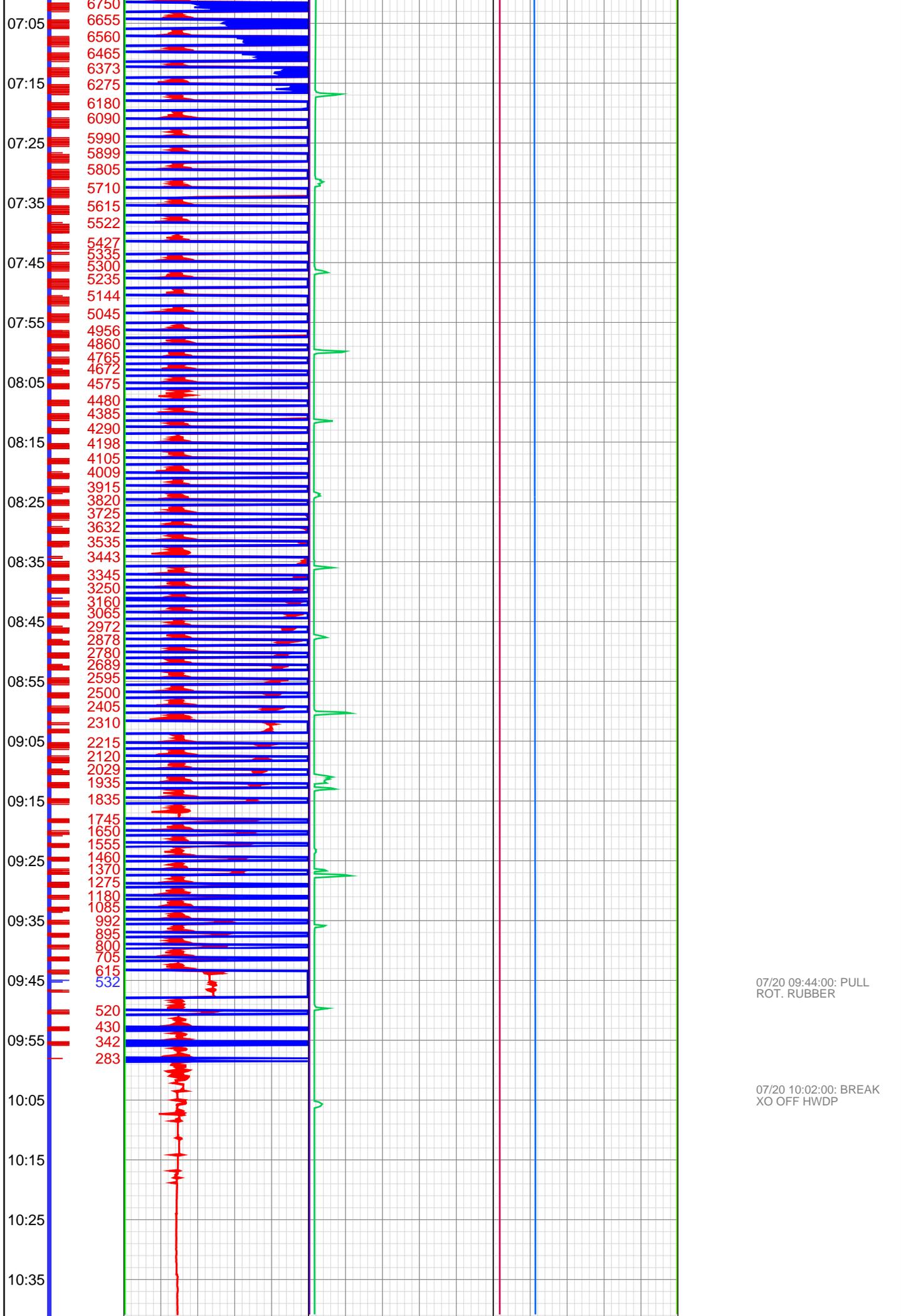
07/20 00:45:30: BIT  
DEPTH CHANGED TO  
3408.0 FEET





07/20 04:28:56: BIT  
 DEPTH CHANGED TO  
 8457.0 FEET  
 07/20 04:32:19: ZWOB  
 FROM Rig Display Drilling  
 07/20 04:32:22: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling  
 07/20 04:37:56: HOLE  
 DEPTH CHANGED TO  
 8515.0 FEET

07/20 06:10:10:  
 RIGALARM: No PVT Rig  
 Alarm Device Available

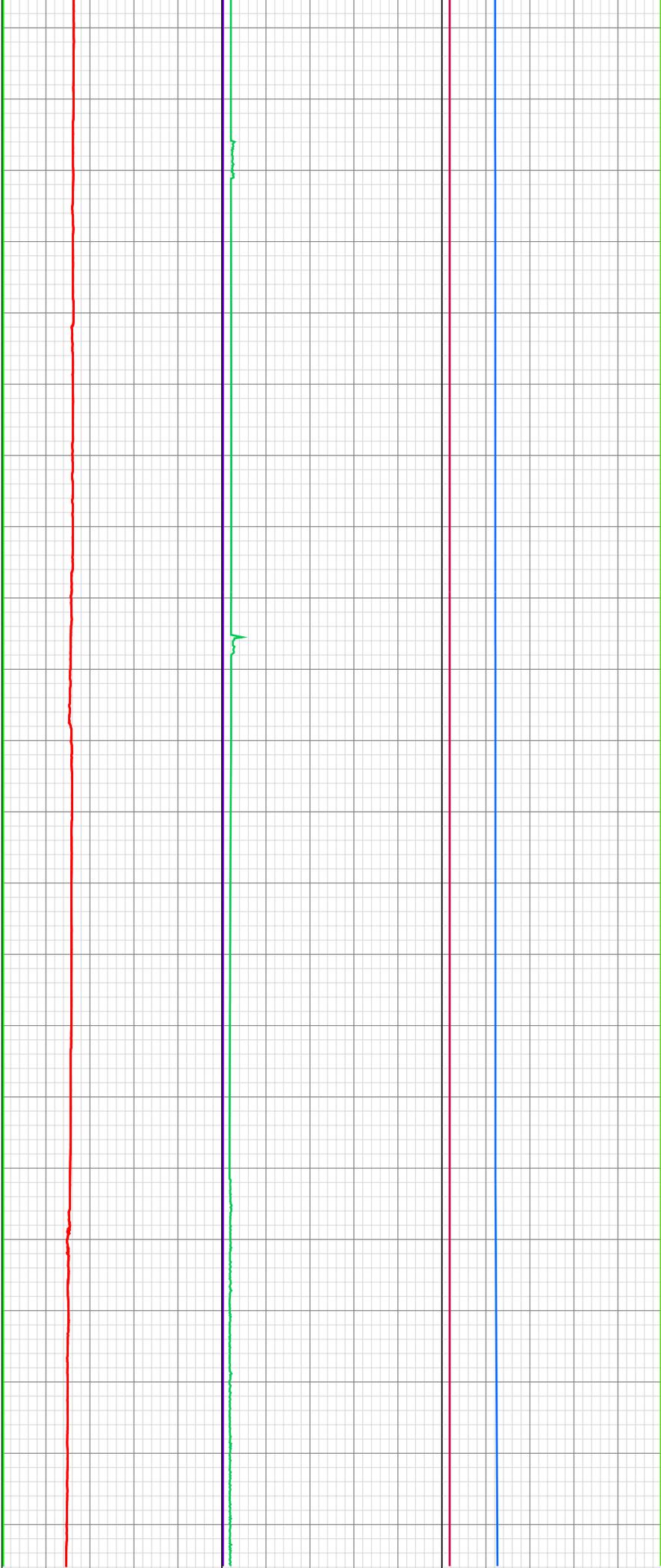


10:45  
10:55  
11:05  
11:15  
11:25  
11:35  
11:45  
11:55  
12:05  
12:15  
12:25  
12:35  
12:45  
12:55  
13:05  
13:15  
13:25  
13:35  
13:45  
13:55  
14:05  
14:15



07/20 12:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

14:25  
14:35  
14:45  
14:55  
15:05  
15:15  
15:25  
15:35  
15:45  
15:55  
16:05  
16:15  
16:25  
16:35  
16:45  
16:55  
17:05  
17:15  
17:25  
17:35  
17:45  
17:55



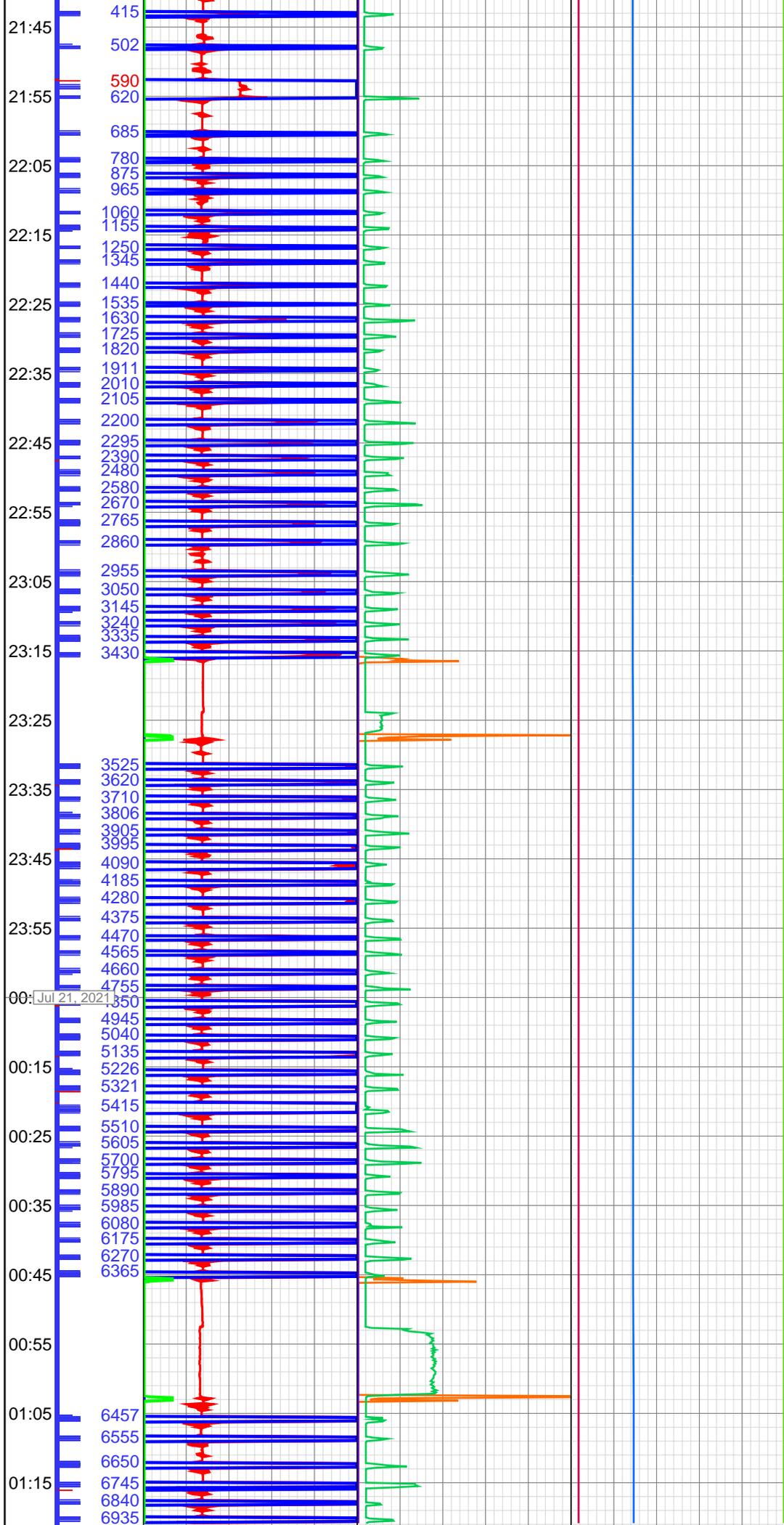
18:05  
18:15  
18:25  
18:35  
18:45  
18:55  
19:05  
19:15  
19:25  
19:35  
19:45  
19:55  
20:05  
20:15  
20:25  
20:35  
20:45  
20:55  
21:05  
21:15  
21:25  
21:35

07/20 18:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

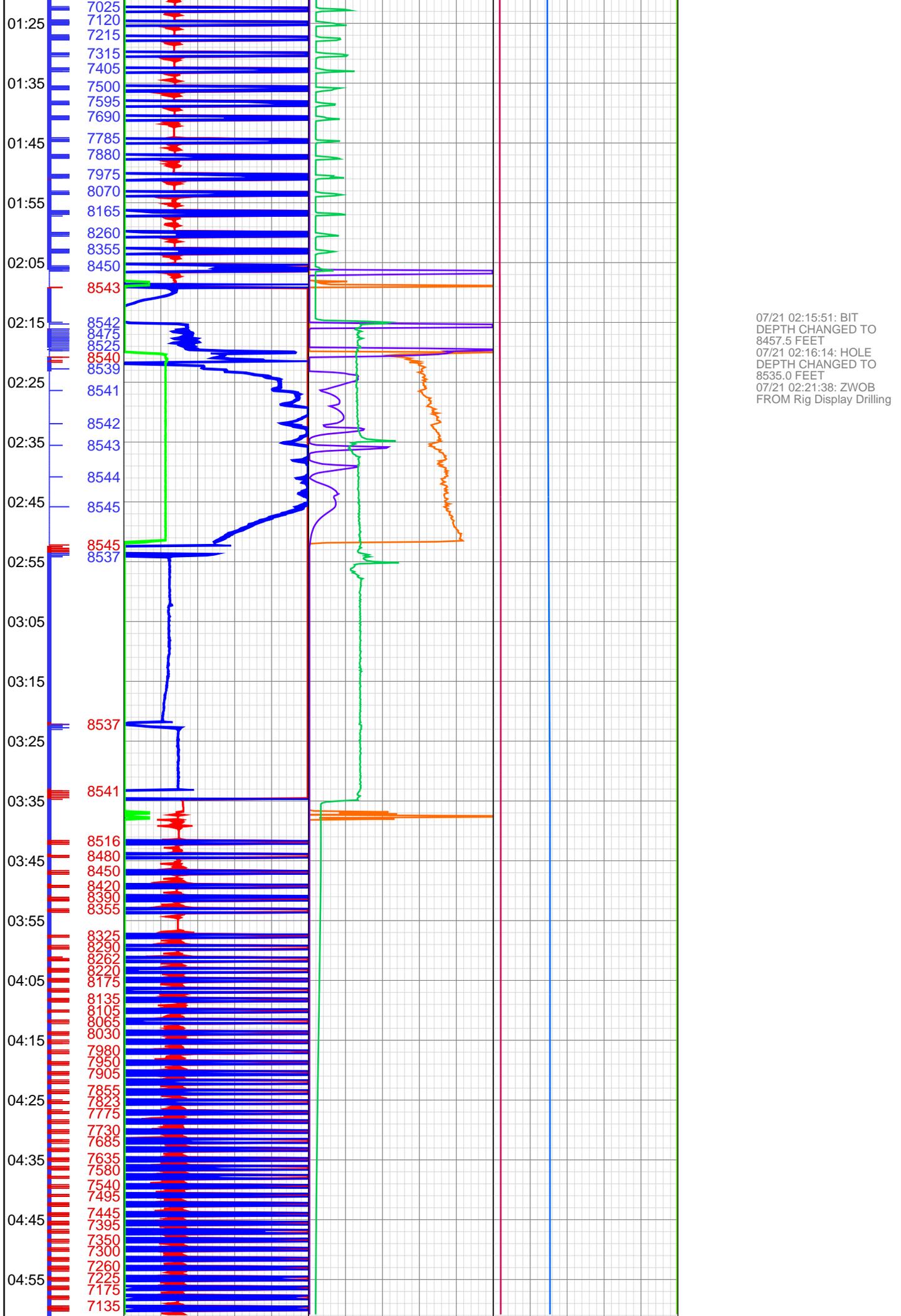
07/20 20:41:00: mix 70bbl  
in pill tank

283  
285  
335



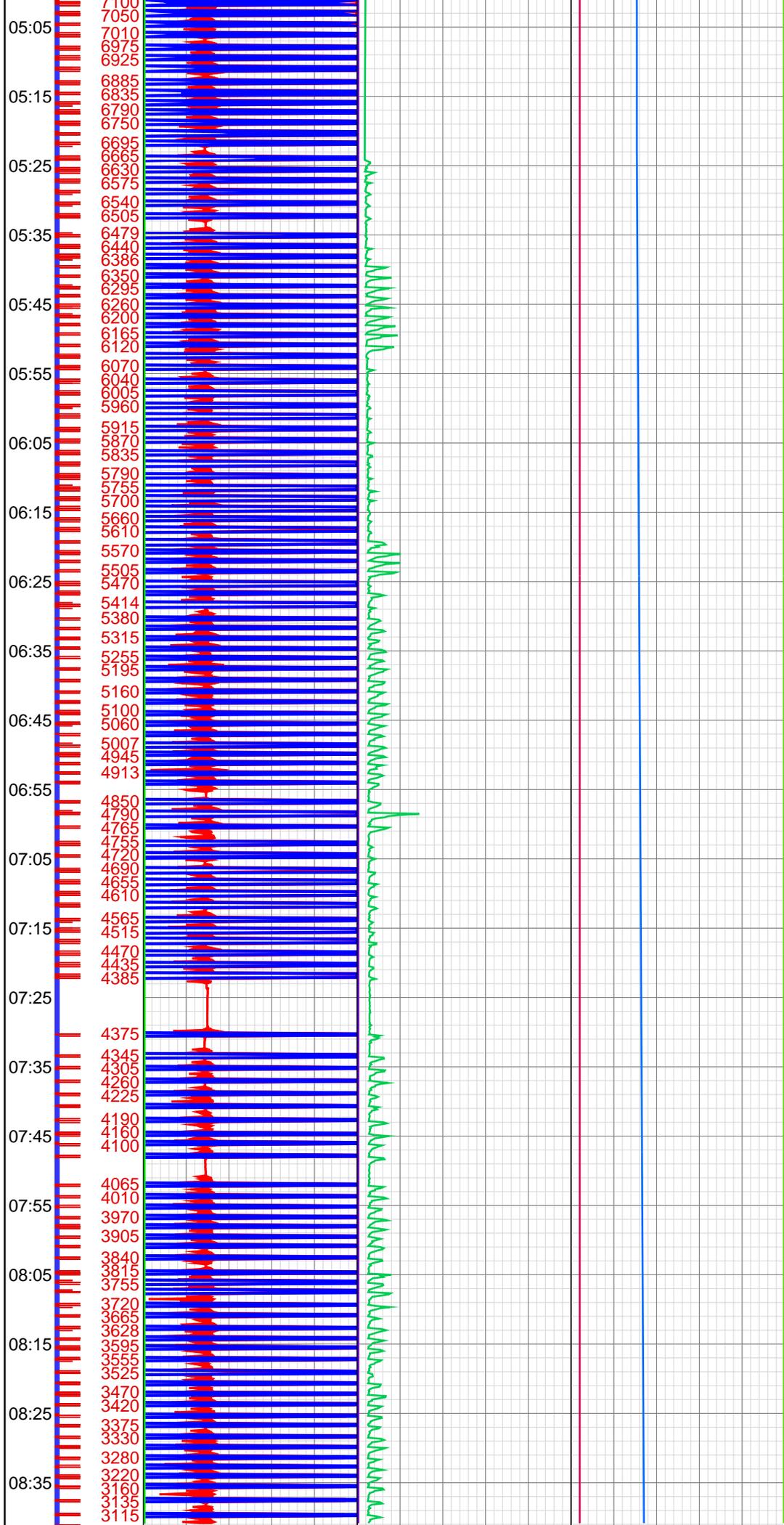


07/21 00:10:10:  
 RIGALARM: No PVT Rig  
 Alarm Device Available

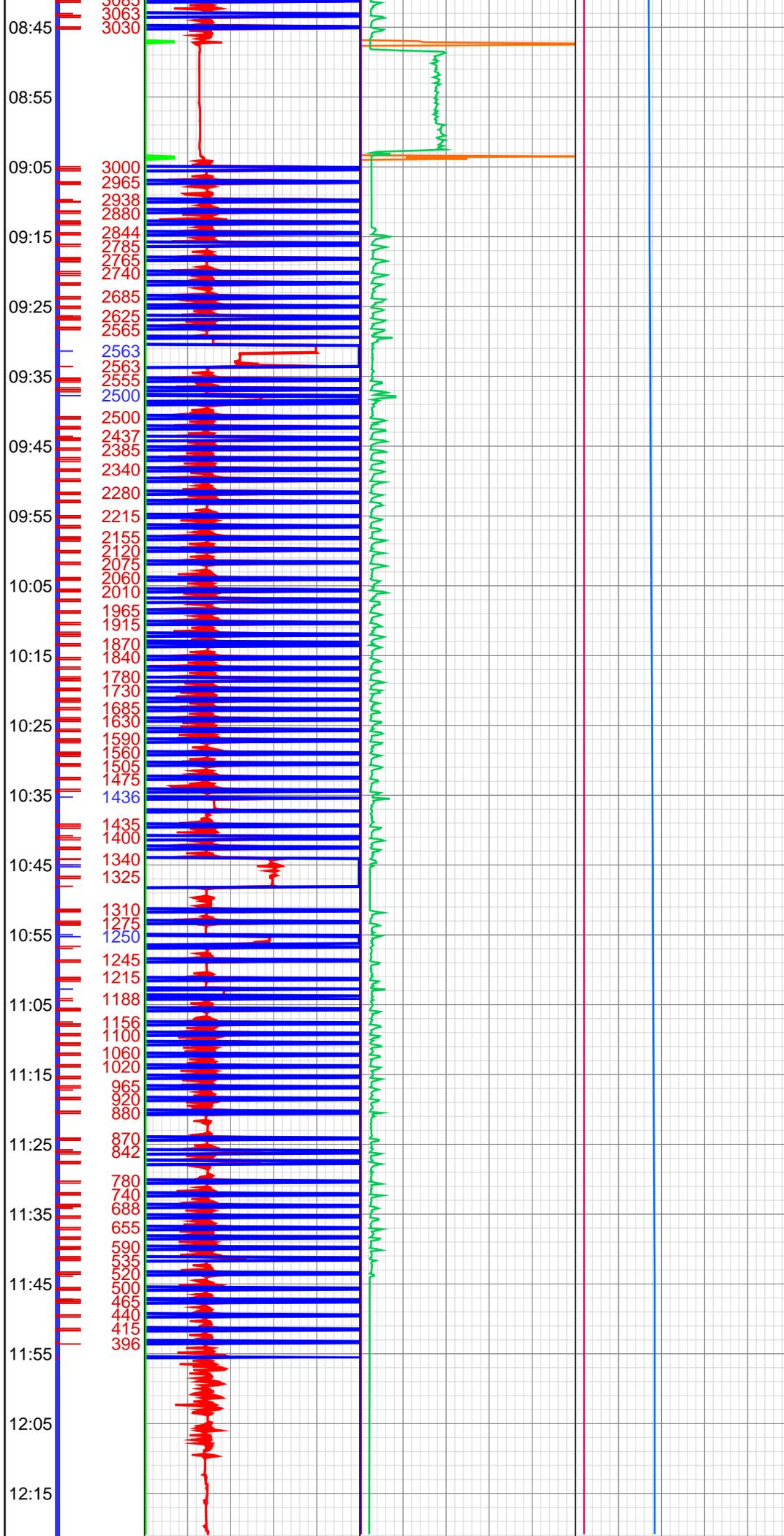


07/21 02:15:51: BIT  
 DEPTH CHANGED TO  
 8457.5 FEET  
 07/21 02:16:14: HOLE  
 DEPTH CHANGED TO  
 8535.0 FEET  
 07/21 02:21:38: ZWOB  
 FROM Rig Display Drilling





07/21 06:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available



07/21 08:48:00: pumping  
80 bbl pill

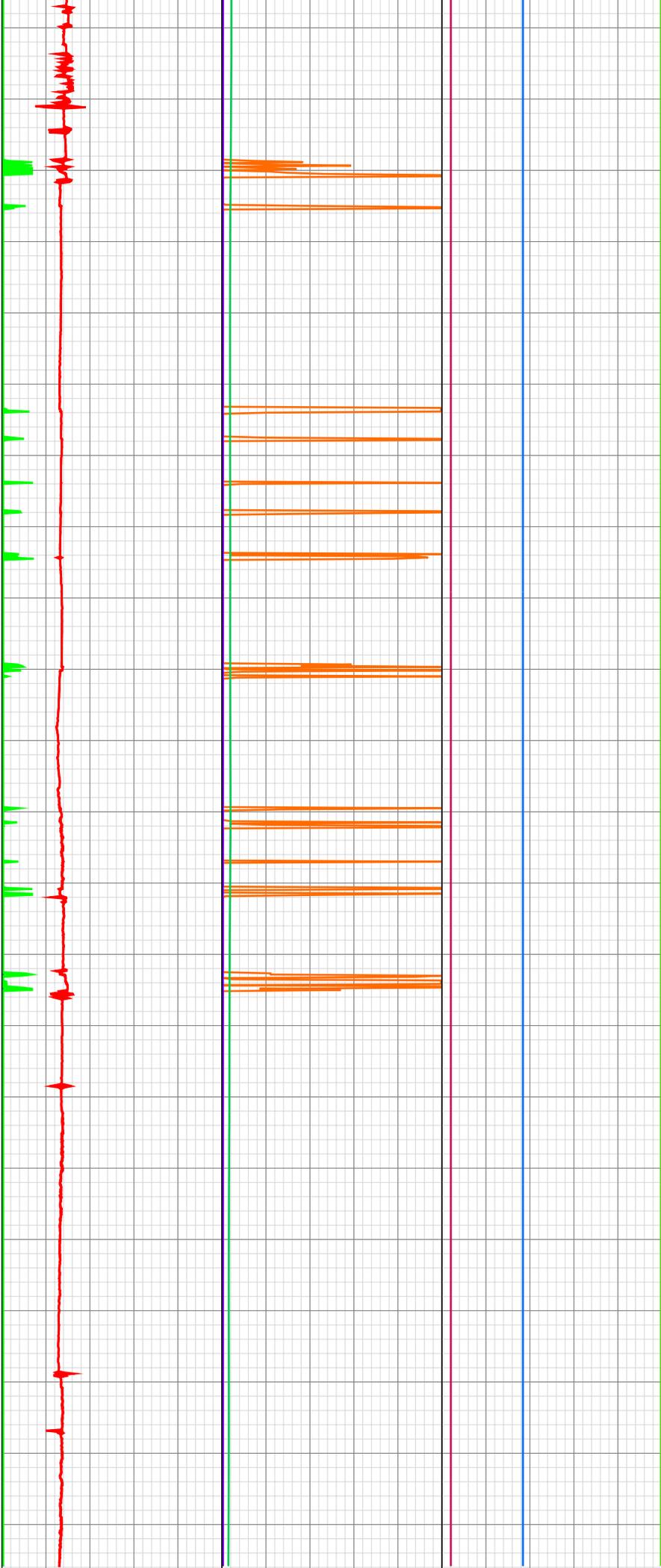
07/21 08:56:00: back on  
active

07/21 10:47:00: PULOL  
ROT. RUBBER

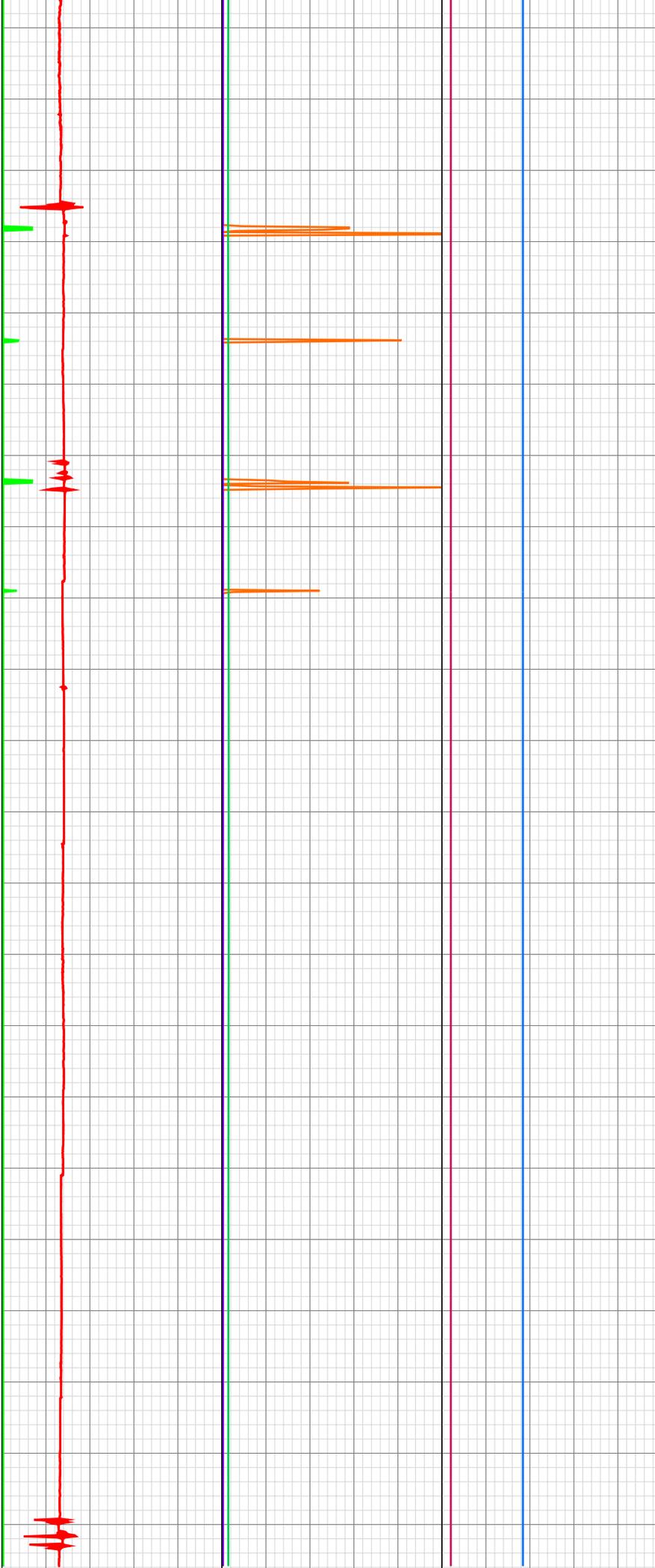
07/21 12:00:00: BREAK  
XO BIT SUB AND BIT

07/21 12:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

12:25  
12:35  
12:45  
12:55  
13:05  
13:15  
13:25  
13:35  
13:45  
13:55  
14:05  
14:15  
14:25  
14:35  
14:45  
14:55  
15:05  
15:15  
15:25  
15:35  
15:45  
15:55



16:05  
16:15  
16:25  
16:35  
16:45  
16:55  
17:05  
17:15  
17:25  
17:35  
17:45  
17:55  
18:05  
18:15  
18:25  
18:35  
18:45  
18:55  
19:05  
19:15  
19:25  
19:35

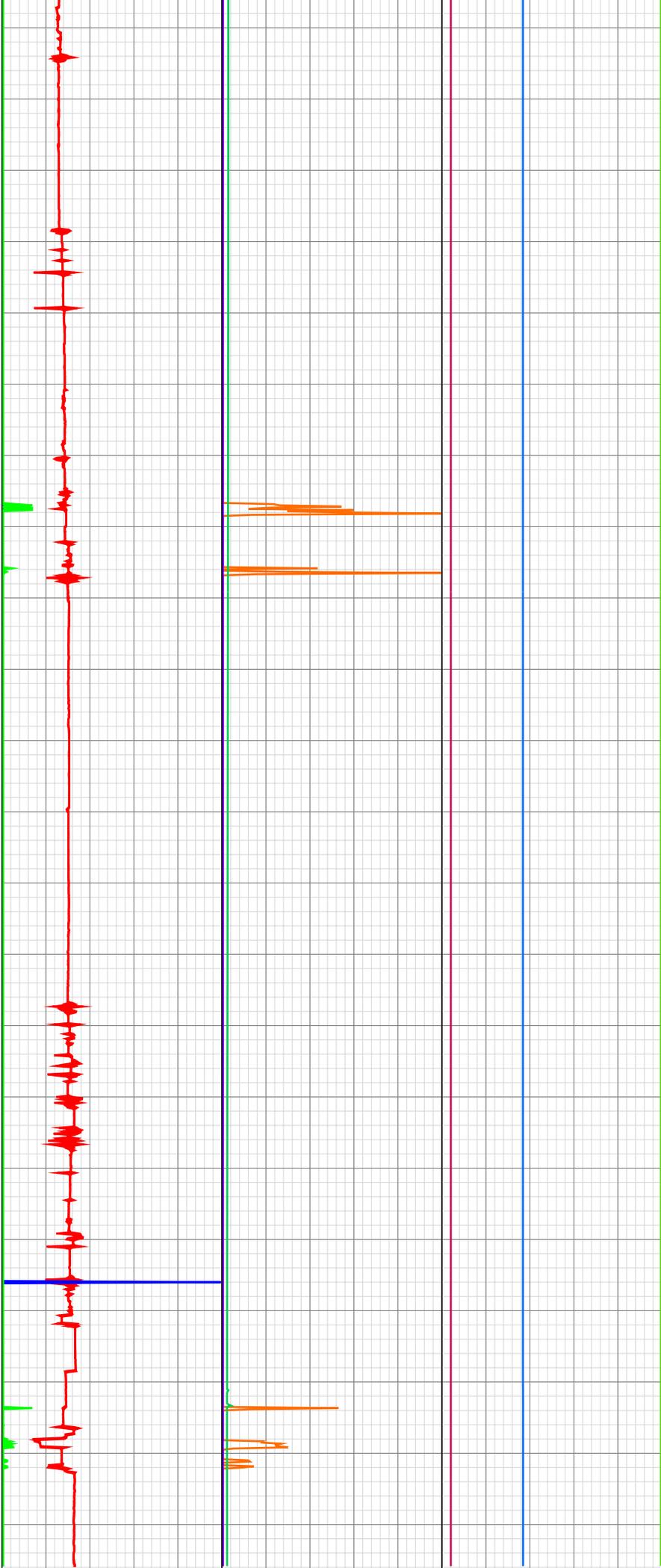


07/21 18:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

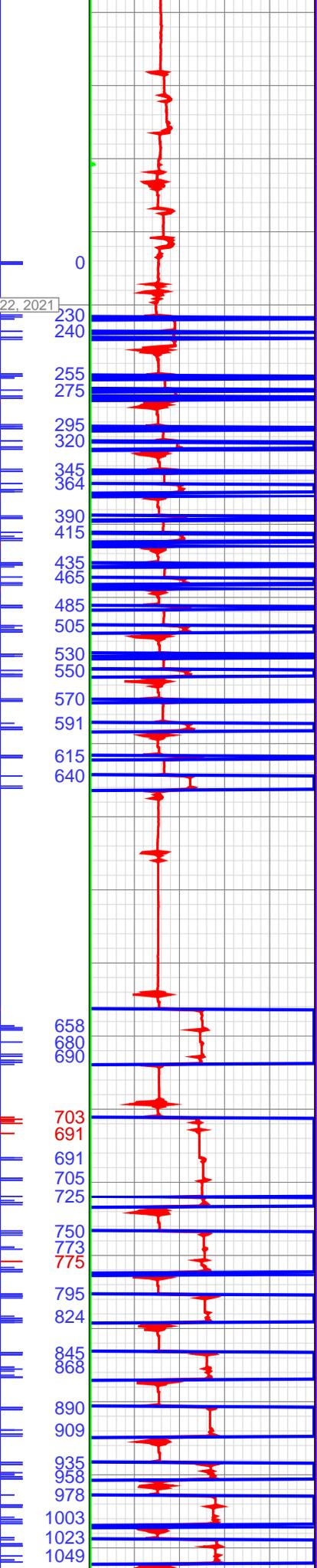
19:45  
19:55  
20:05  
20:15  
20:25  
20:35  
20:45  
20:55  
21:05  
21:15  
21:25  
21:35  
21:45  
21:55  
22:05  
22:15  
22:25  
22:35  
22:45  
22:55  
23:05  
23:15

390

07/21 21:26:00: BIT  
DEPTH CHANGED TO 0.0  
FEET



23:25  
23:35  
23:45  
23:55  
00:00  
00:15  
00:25  
00:35  
00:45  
00:55  
01:05  
01:15  
01:25  
01:35  
01:45  
01:55  
02:05  
02:15  
02:25  
02:35  
02:45  
02:55



0

230

240

255

275

295

320

345

364

390

415

435

465

485

505

530

550

570

591

615

640

658

680

690

703

691

691

705

725

750

773

775

795

824

845

868

890

909

935

958

978

1003

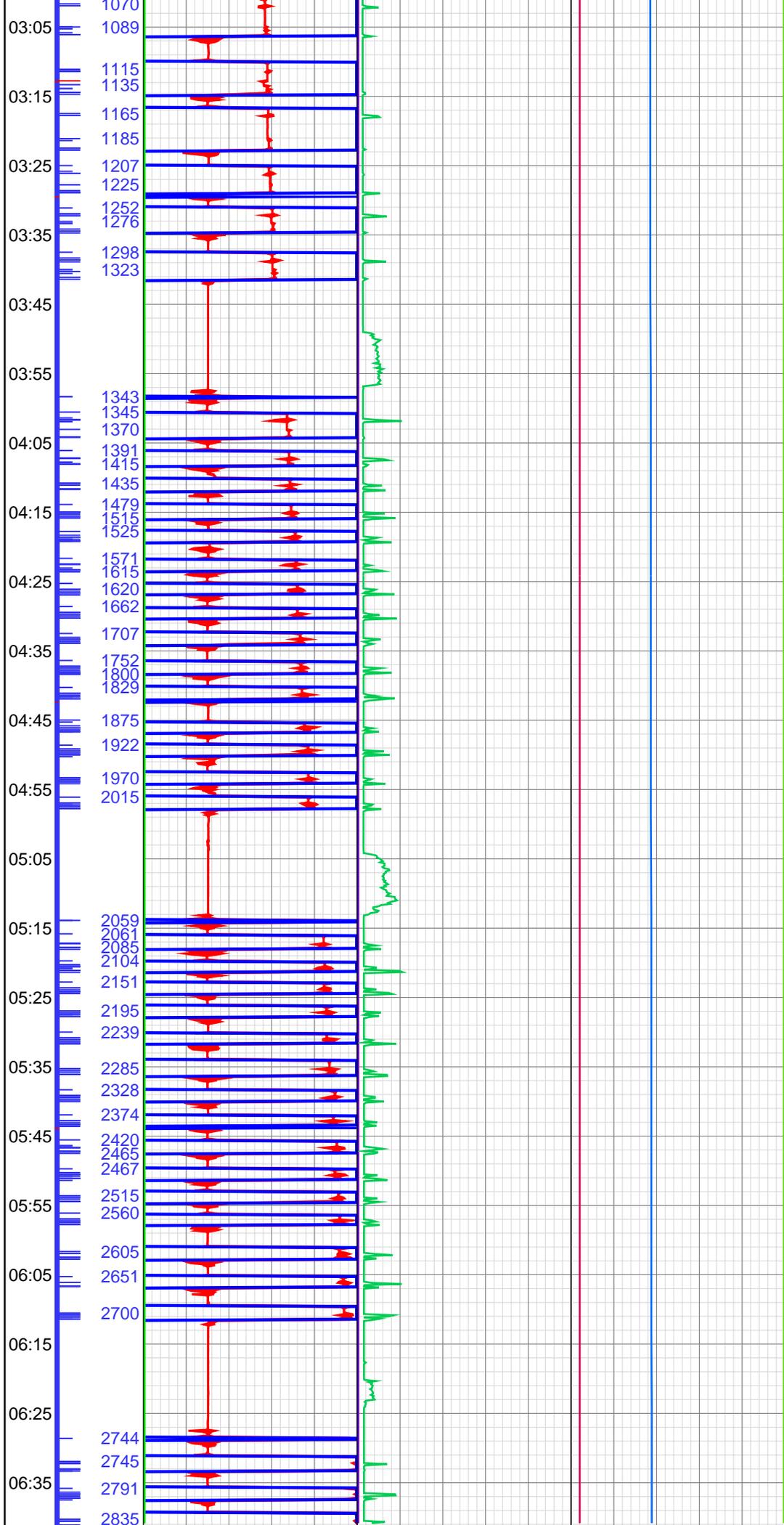
1023

1049

07/21 23:59:15: BIT  
DEPTH CHANGED TO  
230.0 FEET

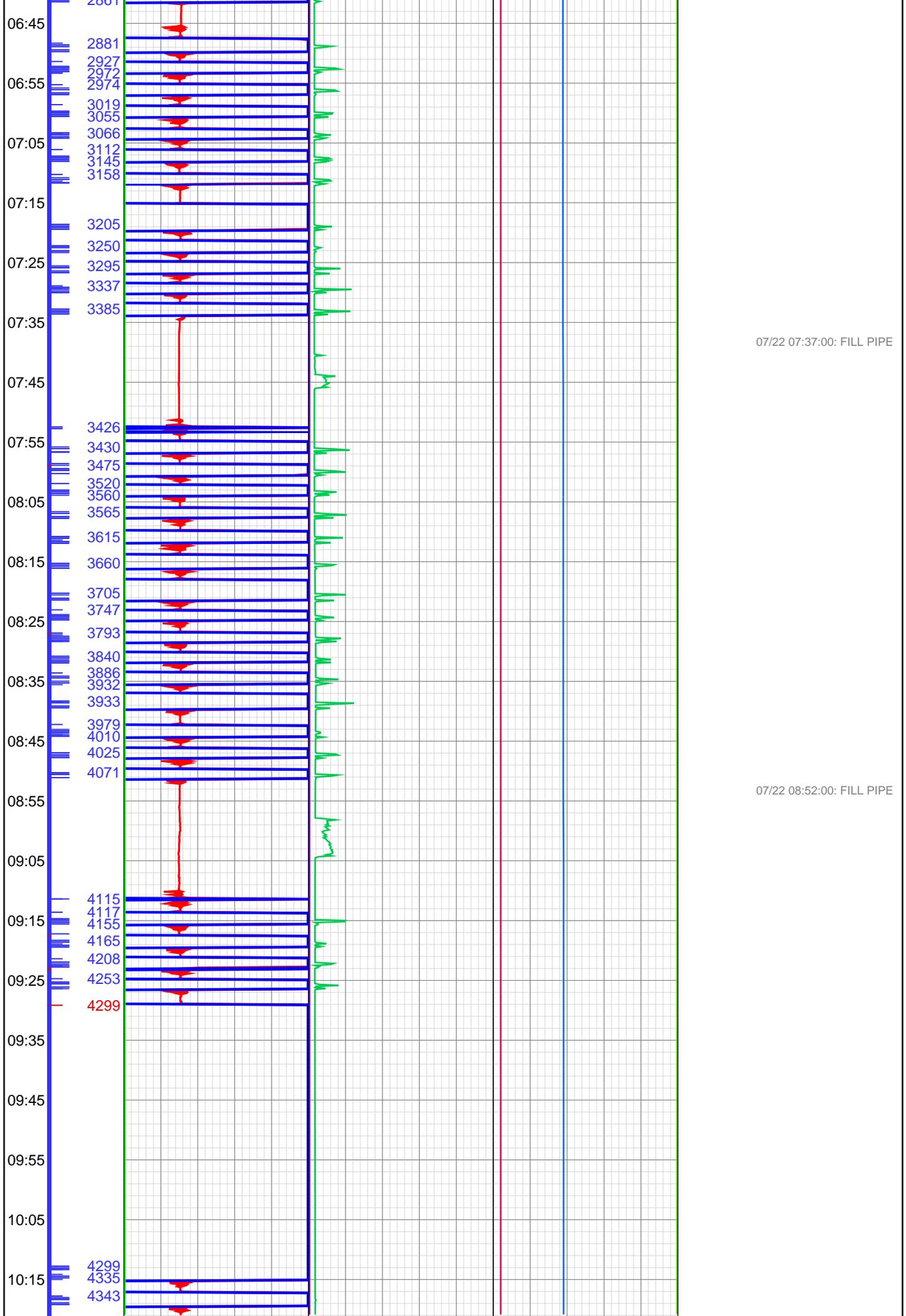
07/22 00:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

07/22 01:14:00: FILL PIPE

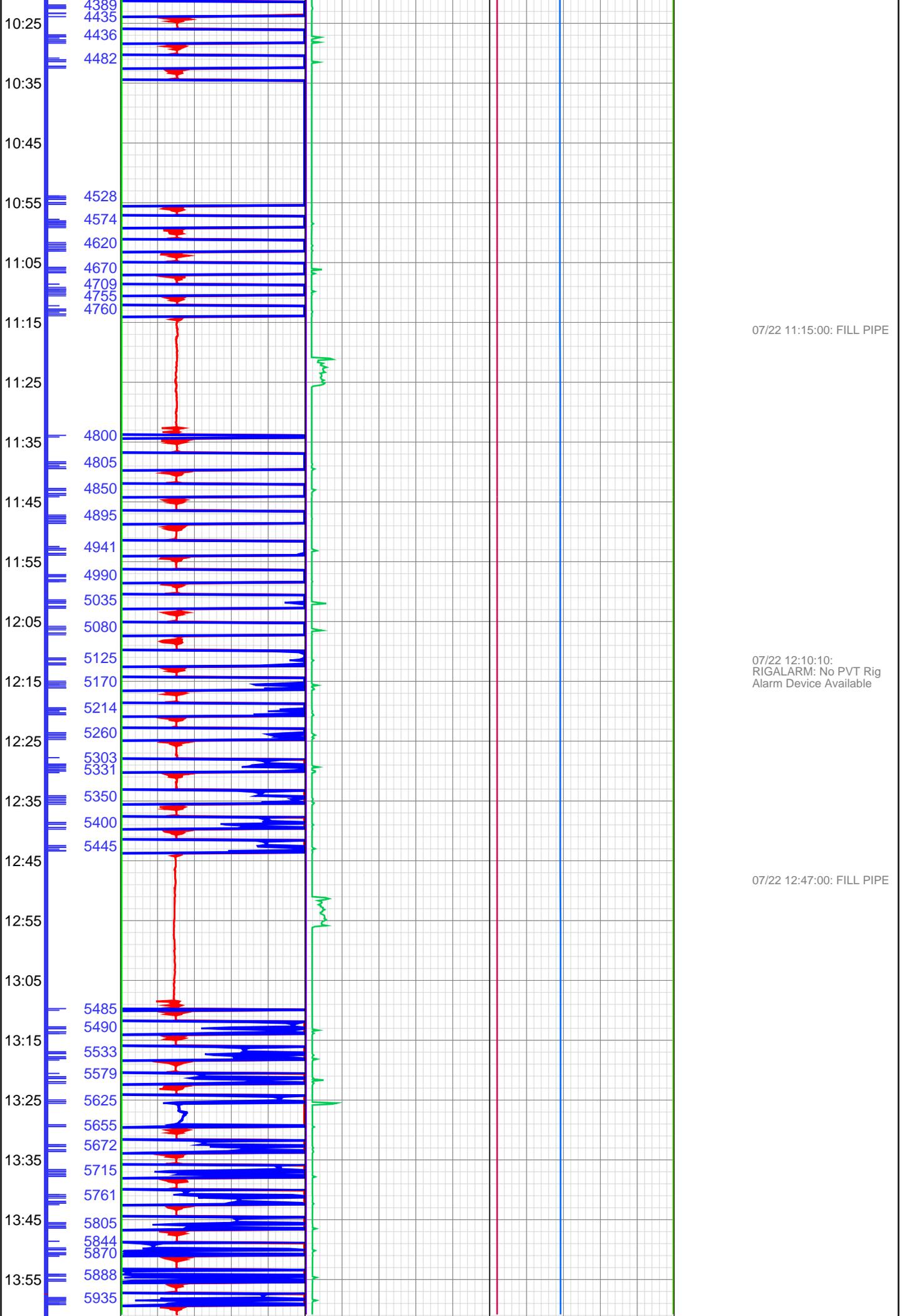


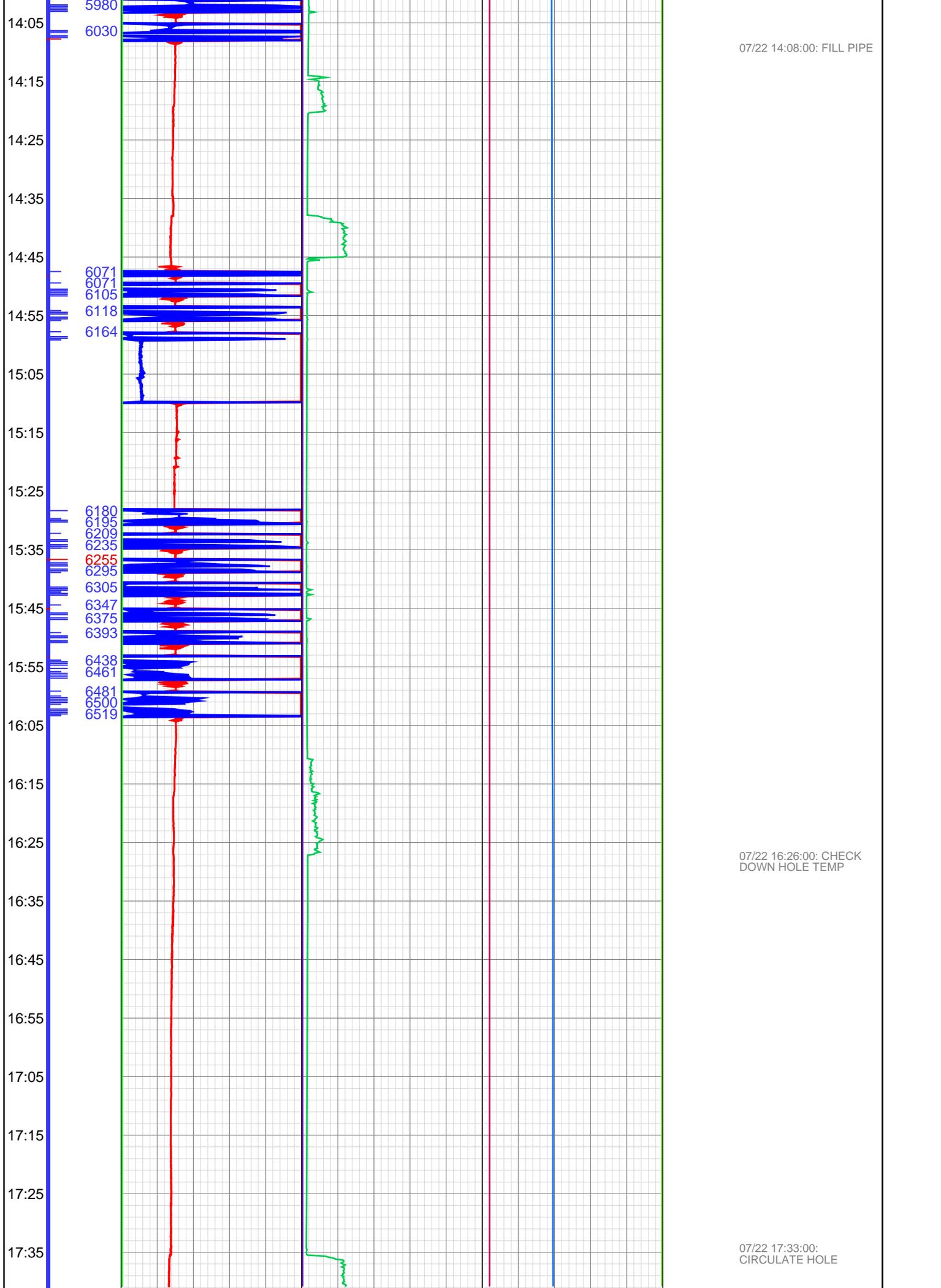
07/22 04:38:11: BIT  
DEPTH CHANGED TO  
1829.0 FEET

07/22 06:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available  
07/22 06:12:00: FILL PIPE









07/22 14:08:00: FILL PIPE

07/22 16:26:00: CHECK  
DOWN HOLE TEMP

07/22 17:33:00:  
CIRCULATE HOLE

17:45  
17:55  
18:05  
18:15  
18:25  
18:35  
18:45  
18:55  
19:05  
19:15  
19:25  
19:35  
19:45  
19:55  
20:05  
20:15  
20:25  
20:35  
20:45  
20:55  
21:05  
21:15

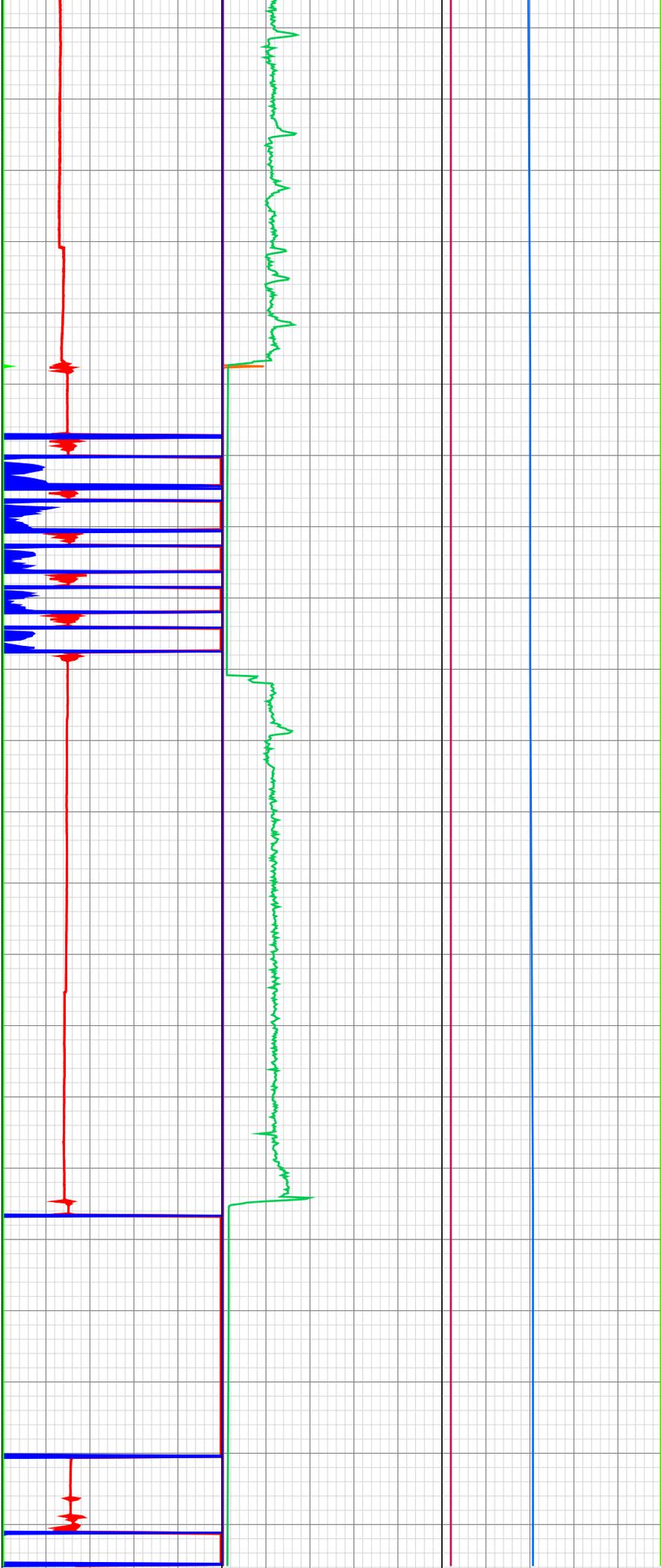
6524  
6526  
6550  
6571  
6590  
6615  
6620  
6650  
6665  
6683  
6711  
6740  
6753  
6745  
6715  
6713  
6710  
6686  
6668

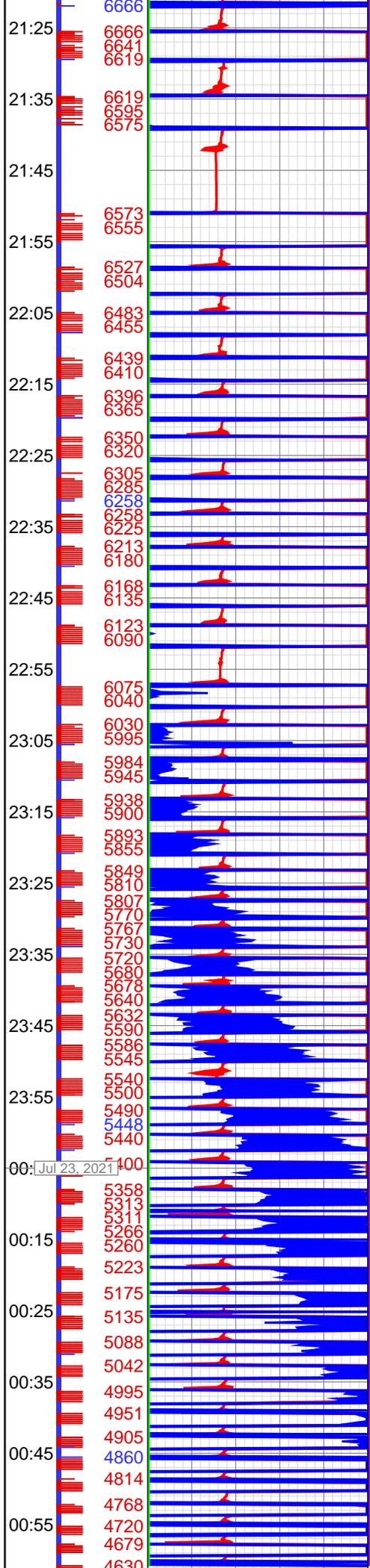
07/22 18:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

07/22 19:03:00: RUN 5  
JNTS

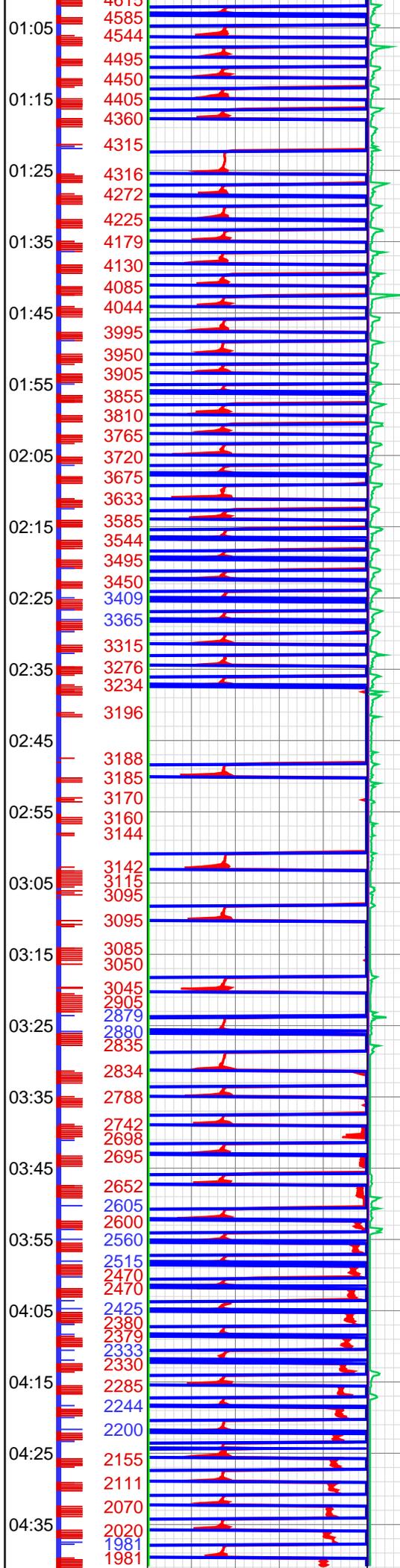
07/22 19:18:00:  
CIRCULATE

07/22 21:07:00: L/D  
CASING

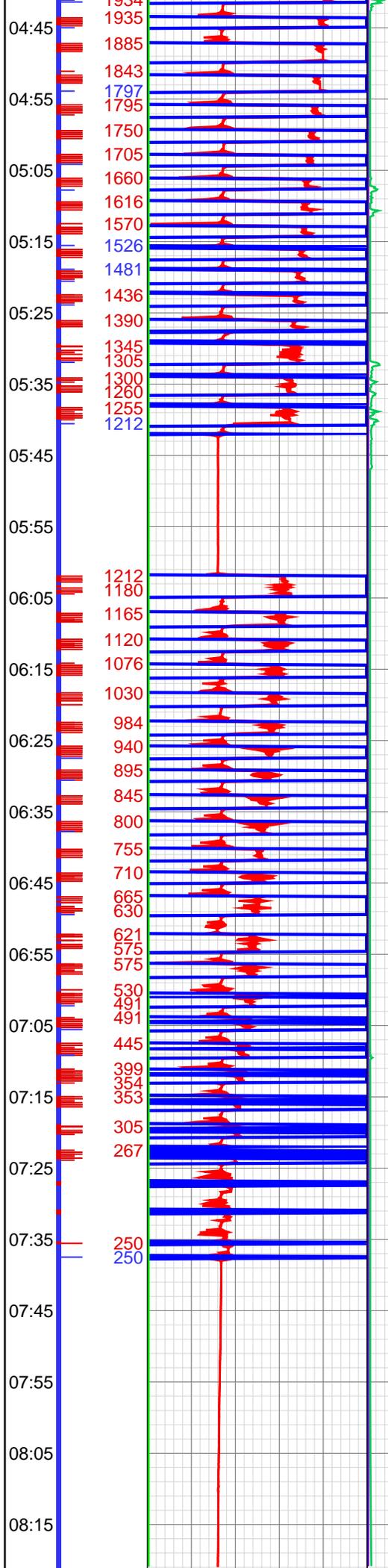




07/23 00:10:10:  
 RIGALARM: No PVT Rig  
 Alarm Device Available

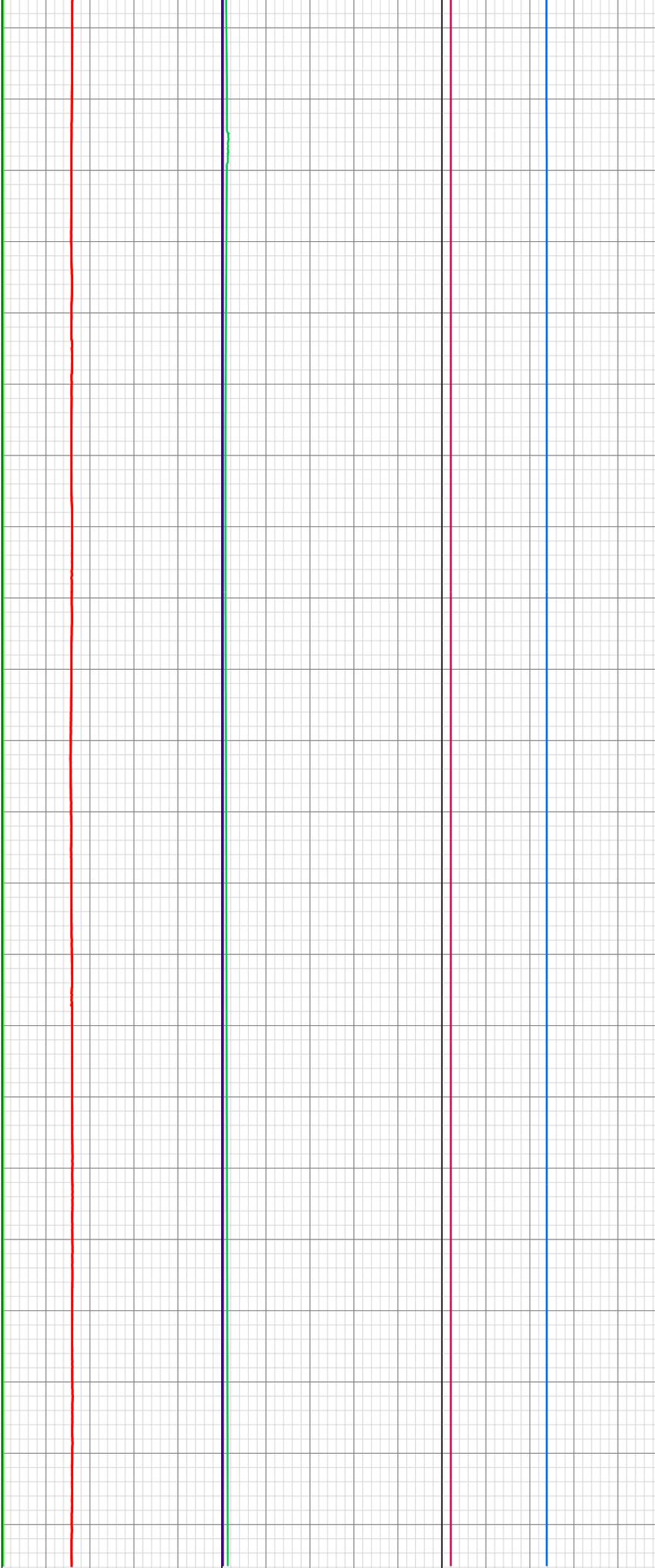


07/23 03:19:35: BIT  
 DEPTH CHANGED TO  
 2925.0 FEET



07/23 06:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

08:25  
08:35  
08:45  
08:55  
09:05  
09:15  
09:25  
09:35  
09:45  
09:55  
10:05  
10:15  
10:25  
10:35  
10:45  
10:55  
11:05  
11:15  
11:25  
11:35  
11:45  
11:55



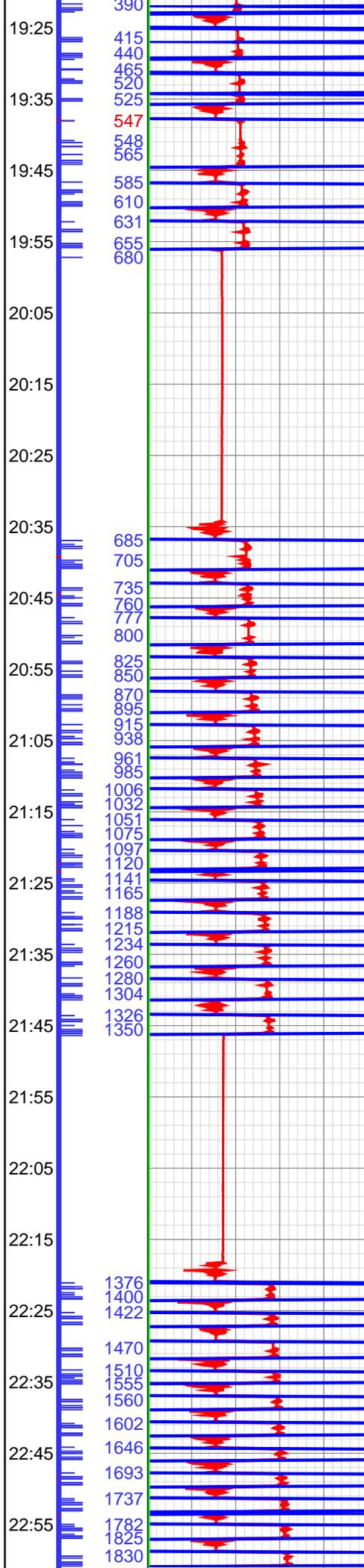
12:05  
12:15  
12:25  
12:35  
12:45  
12:55  
13:05  
13:15  
13:25  
13:35  
13:45  
13:55  
14:05  
14:15  
14:25  
14:35  
14:45  
14:55  
15:05  
15:15  
15:25  
15:35

07/23 12:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available



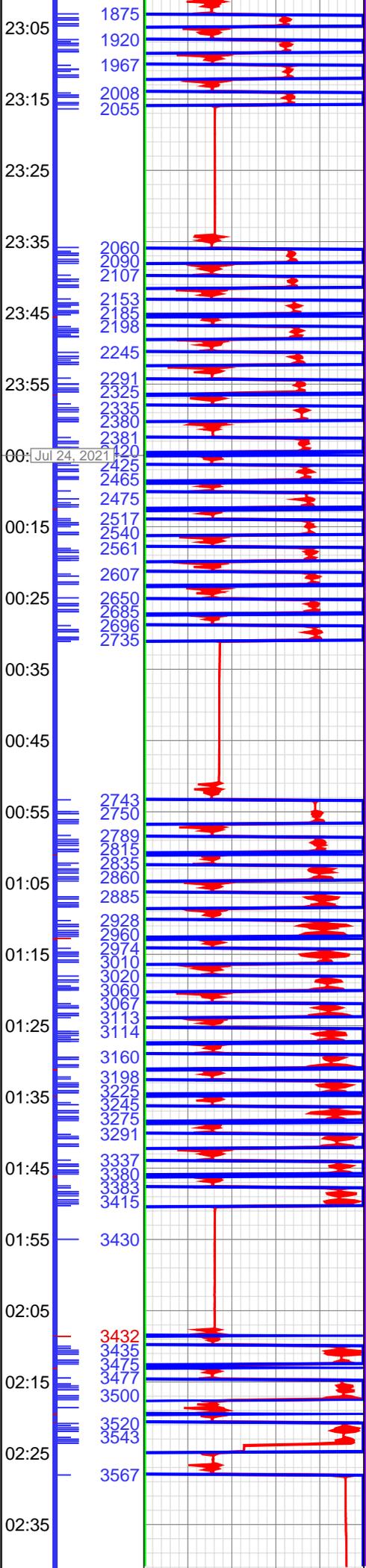






07/23 19:30:41: BIT  
DEPTH CHANGED TO  
500.5 FEET

07/23 19:57:16: BIT  
DEPTH CHANGED TO  
685.0 FEET

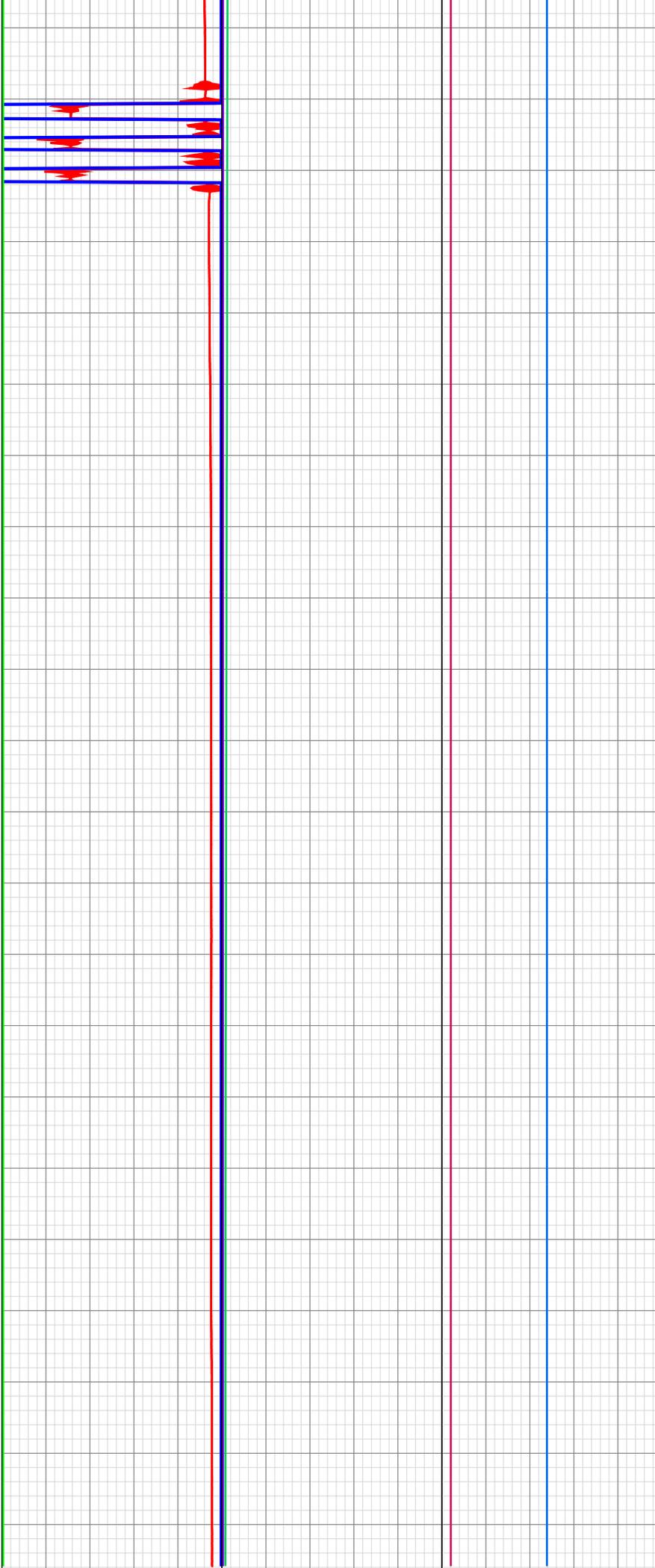


1875  
1920  
1967  
2008  
2055  
2060  
2090  
2107  
2153  
2185  
2198  
2245  
2291  
2325  
2335  
2380  
2381  
2420  
2425  
2465  
2475  
2517  
2540  
2561  
2607  
2650  
2685  
2696  
2735  
2743  
2750  
2789  
2815  
2835  
2860  
2885  
2928  
2960  
2974  
3010  
3020  
3060  
3067  
3113  
3114  
3160  
3198  
3225  
3245  
3275  
3291  
3337  
3380  
3383  
3415  
3430  
3432  
3435  
3475  
3477  
3500  
3520  
3543  
3567

07/24 00:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

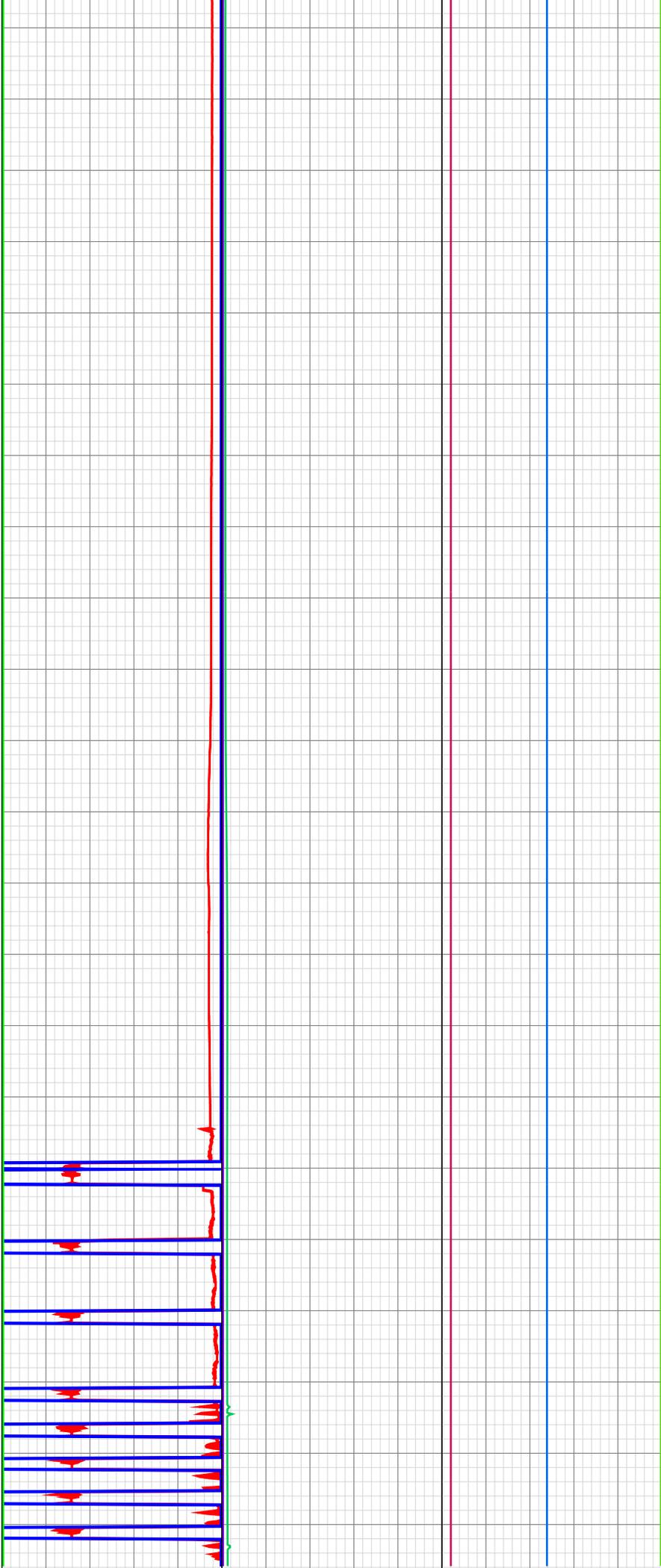
02:45  
02:55  
03:05  
03:15  
03:25  
03:35  
03:45  
03:55  
04:05  
04:15  
04:25  
04:35  
04:45  
04:55  
05:05  
05:15  
05:25  
05:35  
05:45  
05:55  
06:05  
06:15

3568  
3591  
3615  
3655  
3660  
3695  
3704



06:25  
06:35  
06:45  
06:55  
07:05  
07:15  
07:25  
07:35  
07:45  
07:55  
08:05  
08:15  
08:25  
08:35  
08:45  
08:55  
09:05  
09:15  
09:25  
09:35  
09:45  
09:55

3722  
3736  
3747  
3749  
3765  
3774  
3788  
3795  
3810  
3820  
3832  
3842  
3858  
3868  
3883  
3888  
3914  
3935  
3970  
3981  
4010  
4026  
4055  
4075  
4115



07/24 10:03:00: TEST  
FIBER OPTICS

10:05

10:15

10:25

4118  
4144  
4165  
4190  
4208  
4250  
4260

10:35

10:45

4305  
4340  
4350  
4390

10:55

4395  
4435  
4440

11:05

4483

11:15

4530

4556

4580

11:25

4625

4667

4700

4712

4760

4803

11:35

11:45

11:55

4804

4849

4895

4900

12:05

4941

4975

4990

5032

5035

12:15

5080

5105

12:25

5125

5155

5170

12:35

5215

5245

5259

5279

5305

12:45

5305

5345

5355

12:55

5395

5435

5441

13:05

13:15

13:25

13:35

5485

5529

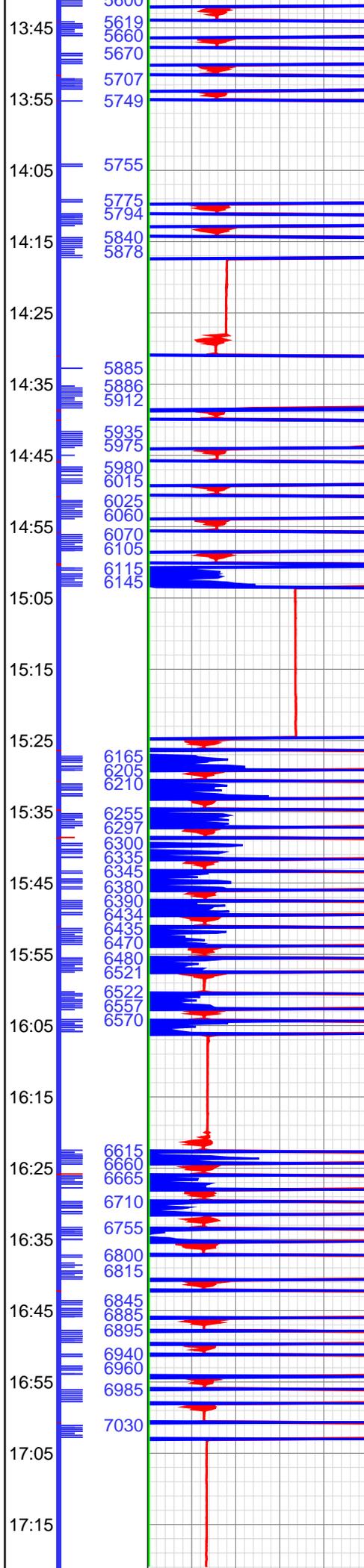
5570

5575

07/24 11:32:00: TEST  
FIBER OPTICD

07/24 12:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

07/24 12:58:00: TEST  
FIBER OPTIC



07/24 15:00:28:  
 HOOKLOAD WAS  
 RECALIBRATED.  
 07/24 15:00:34: ZWOB  
 FROM Rig Display Drilling  
 07/24 15:01:24: ZWOB  
 FROM Rig Display Drilling

07/24 16:09:00: TEST  
 FIBER OPTICS

07/24 17:11:00: TEST  
 FIBER OPTICS





21:05  
8493  
8502  
8524

07/24 21:11:00: R/D CRT

21:15

21:25

21:35

21:45

21:55

22:05

22:15

22:25

22:35

8524

22:45

8525

07/24 22:44:15: ZWOB  
FROM Rig Display Drilling  
07/24 22:49:00:  
CIRCULATE

22:55

23:05

23:15

23:25

23:35

23:45

23:55

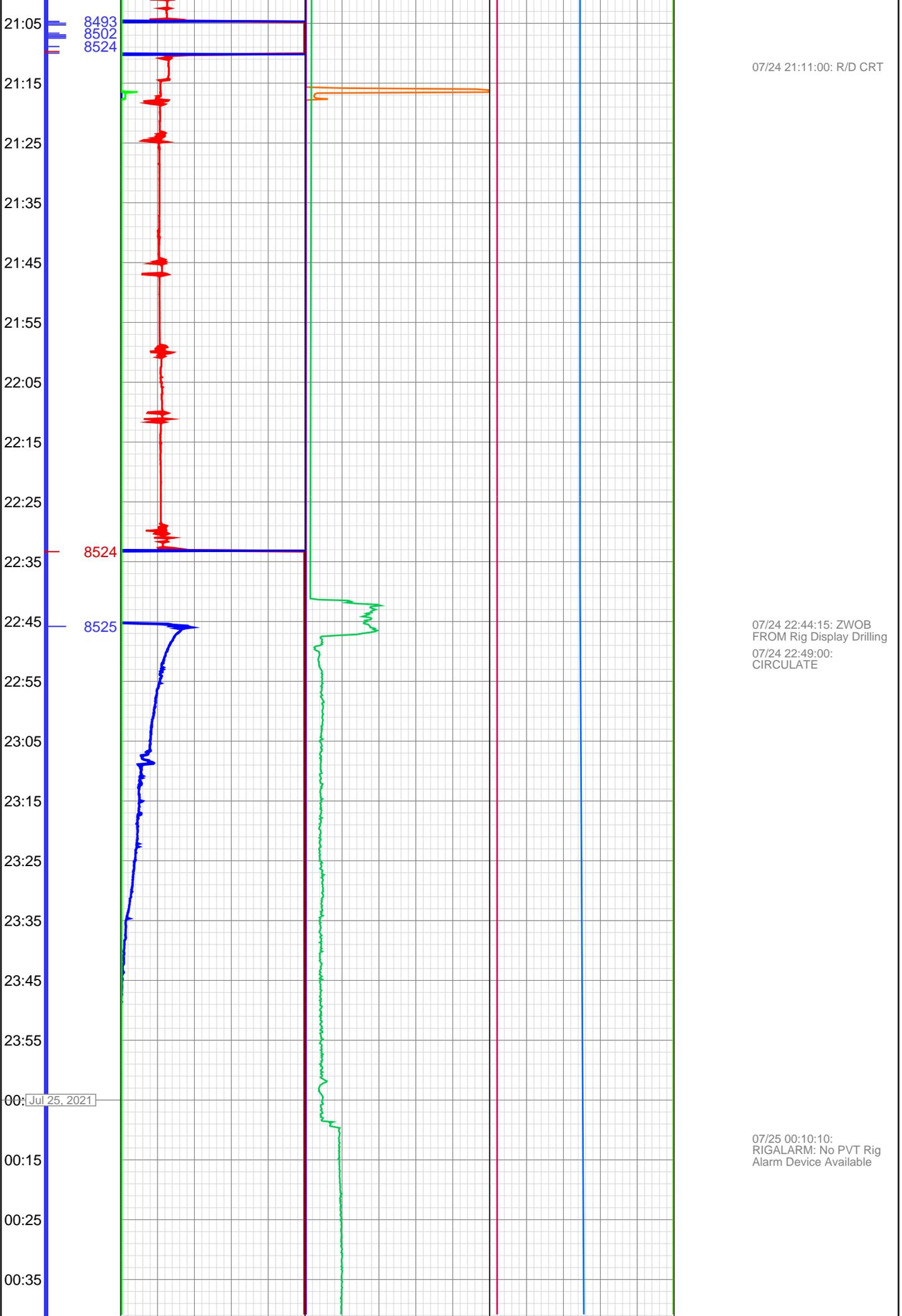
00: Jul 25, 2021

00:15

07/25 00:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

00:25

00:35

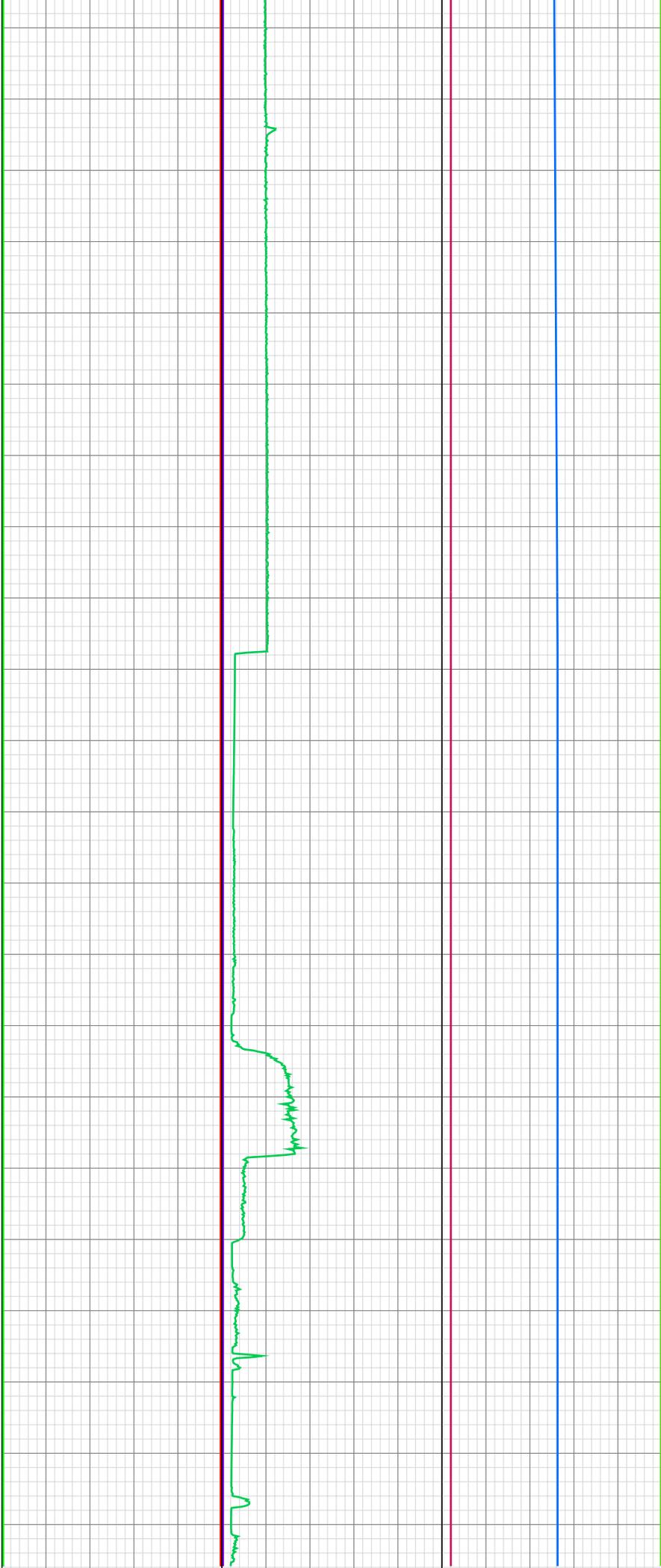


00:45  
00:55  
01:05  
01:15  
01:25  
01:35  
01:45  
01:55  
02:05  
02:15  
02:25  
02:35  
02:45  
02:55  
03:05  
03:15  
03:25  
03:35  
03:45  
03:55  
04:05  
04:15

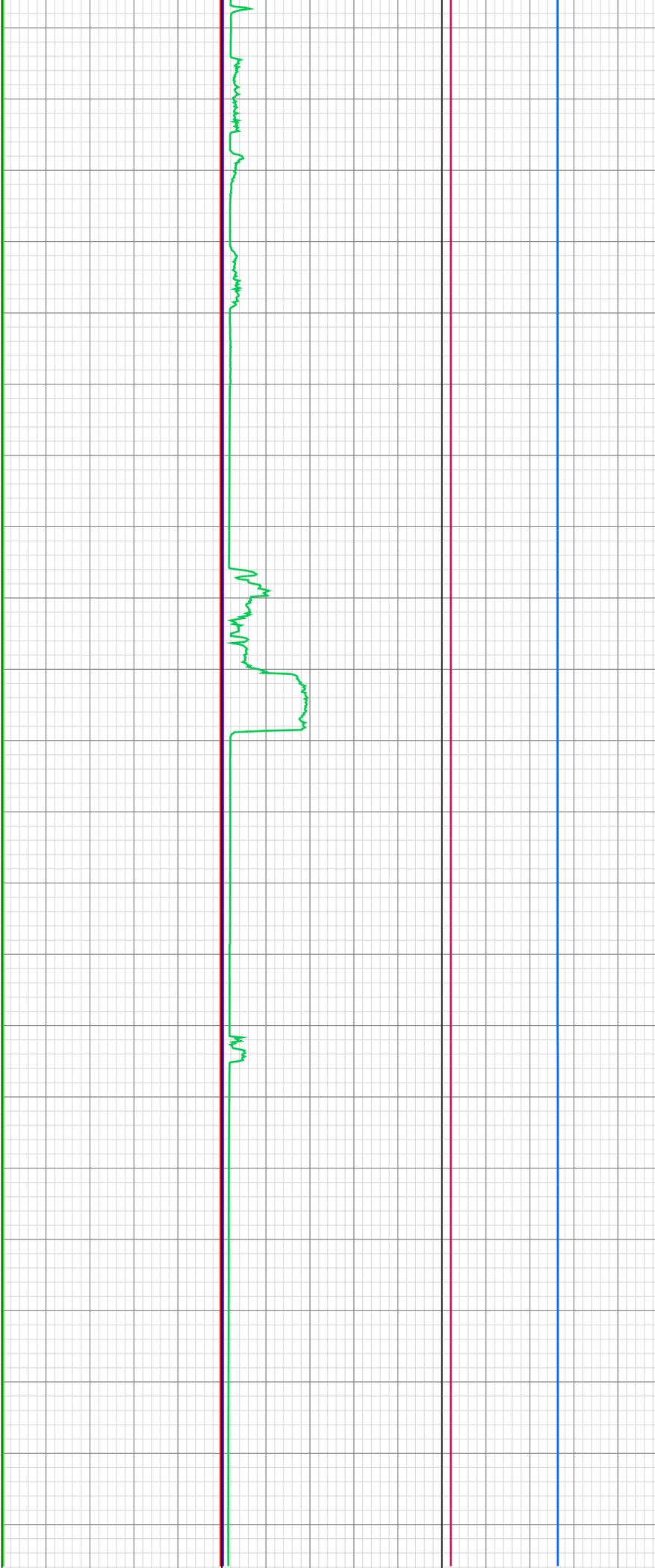
8525

8525

07/25 02:56:00: CEMENT

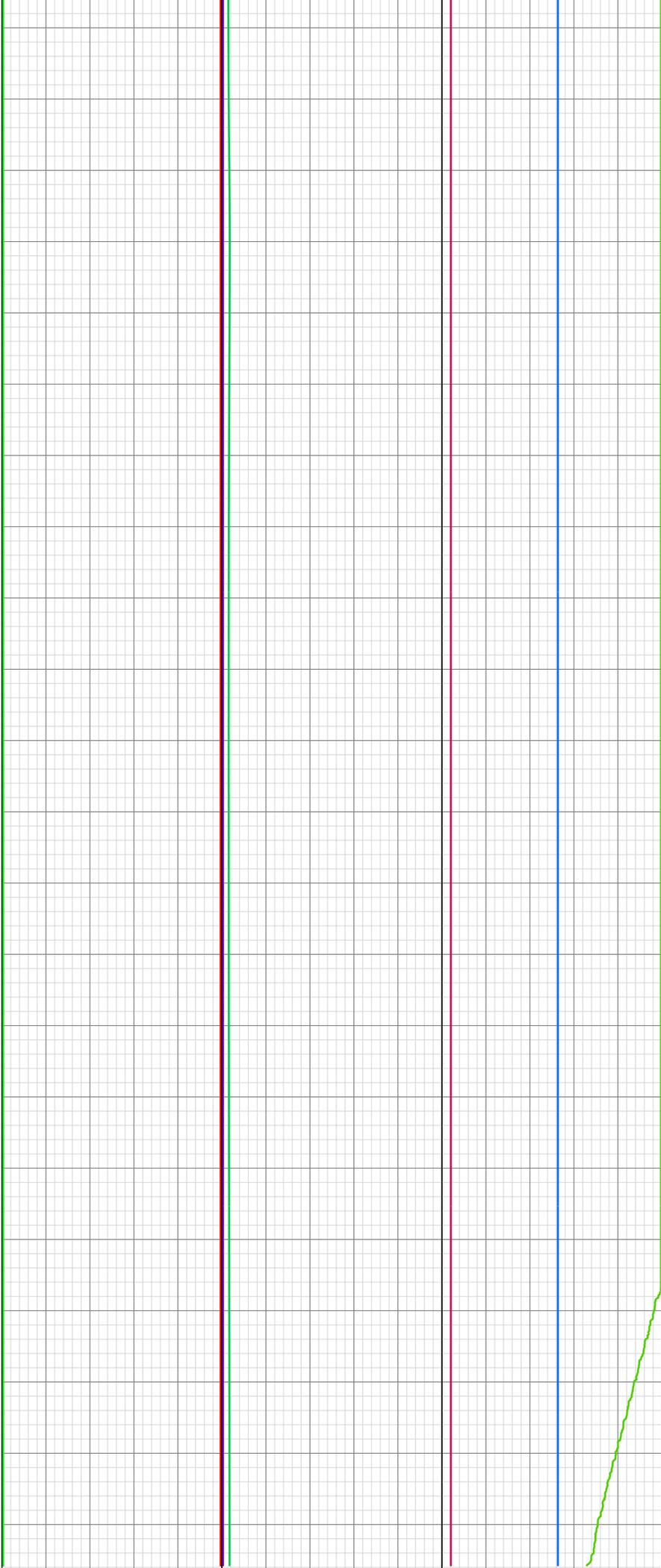


04:25  
04:35  
04:45  
04:55  
05:05  
05:15  
05:25  
05:35  
05:45  
05:55  
06:05  
06:15  
06:25  
06:35  
06:45  
06:55  
07:05  
07:15  
07:25  
07:35  
07:45  
07:55



07/25 06:10:10:  
RIGALARM: No PVT Rig  
Alarm Device Available

08:05  
08:15  
08:25  
08:35  
08:45  
08:55  
09:05  
09:15  
09:25  
09:35  
09:45  
09:55  
10:05  
10:15  
10:25  
10:35  
10:45  
10:55  
11:05  
11:15  
11:25  
11:35



07/25 10:16:08:  
RIGALARM: PVT Rig  
Alarm Device 108 Online  
07/25 10:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

11:45  
11:55  
12:05  
12:15  
12:25  
12:35  
12:45  
12:55  
13:05  
13:15  
13:25  
13:35  
13:45  
13:55  
14:05  
14:15  
14:25  
14:35  
14:45  
14:55  
15:05  
15:15

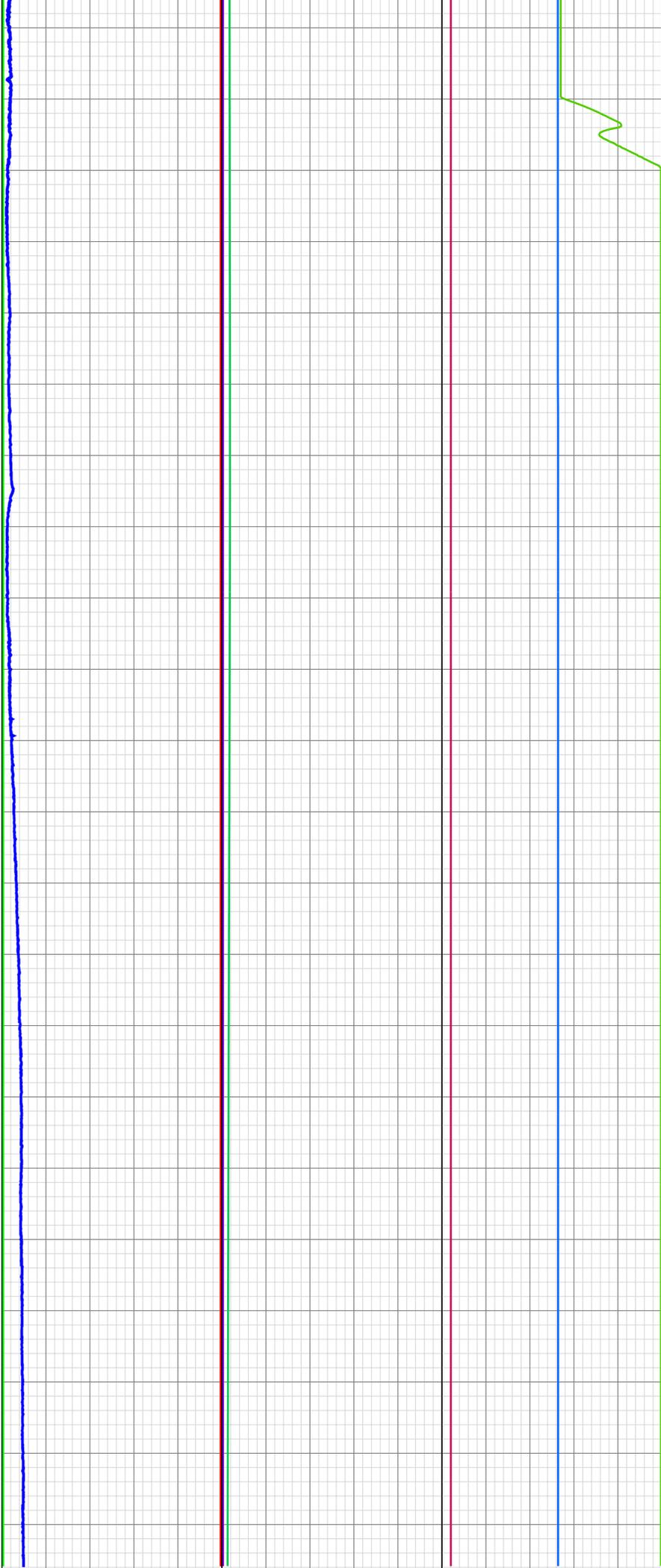


15:25  
15:35  
15:45  
15:55  
16:05  
16:15  
16:25  
16:35  
16:45  
16:55  
17:05  
17:15  
17:25  
17:35  
17:45  
17:55  
18:05  
18:15  
18:25  
18:35  
18:45  
18:55



07/25 16:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

19:05  
19:15  
19:25  
19:35  
19:45  
19:55  
20:05  
20:15  
20:25  
20:35  
20:45  
20:55  
21:05  
21:15  
21:25  
21:35  
21:45  
21:55  
22:05  
22:15  
22:25  
22:35



07/25 19:20:00:  
TRANSFERRING WATER  
FROM FRAC T. TO PITS

07/25 19:37:00: FINSH  
TRANSFER WATER

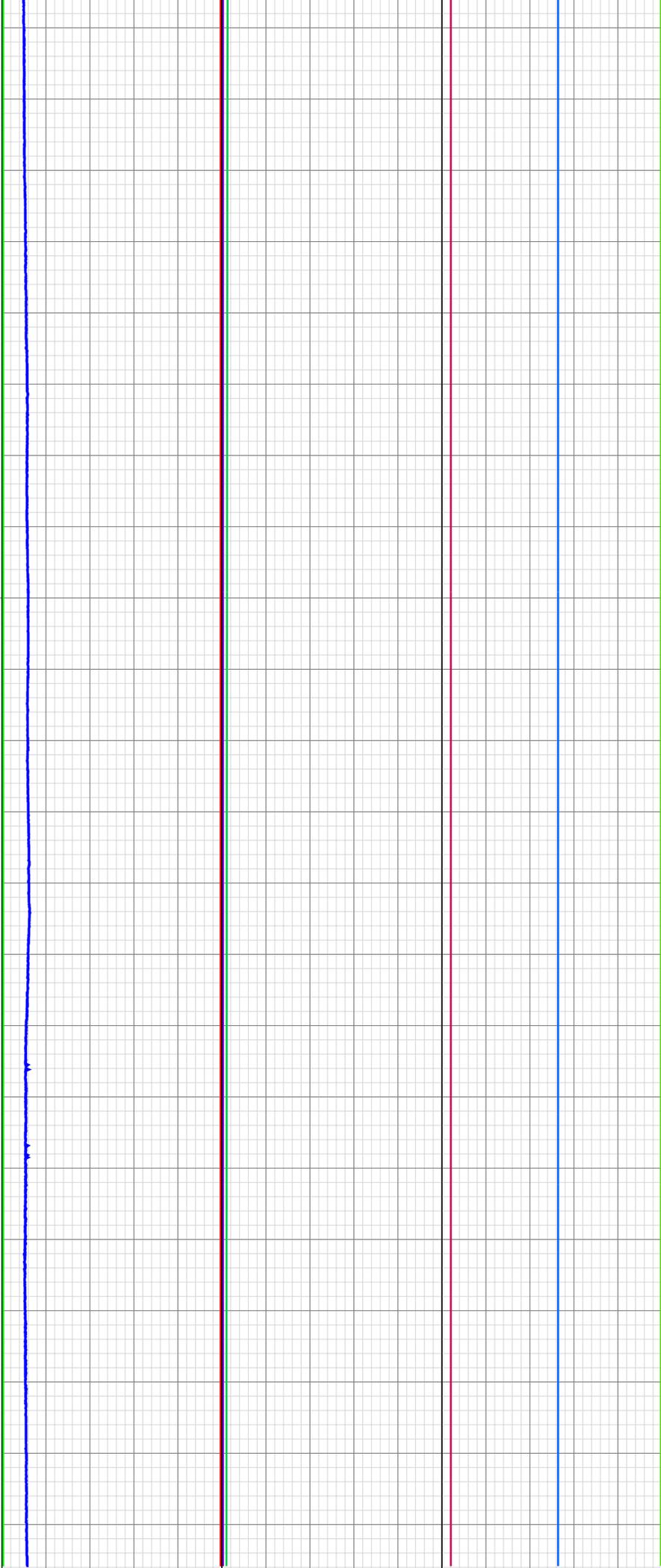
07/25 20:19:04: PUMP 1  
DISPLACEMENT  
RECALIBRATED  
07/25 20:19:18: PUMP 2  
DISPLACEMENT  
RECALIBRATED

07/25 22:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

22:45  
22:55  
23:05  
23:15  
23:25  
23:35  
23:45  
23:55  
00:00  
00:15  
00:25  
00:35  
00:45  
00:55  
01:05  
01:15  
01:25  
01:35  
01:45  
01:55  
02:05  
02:15

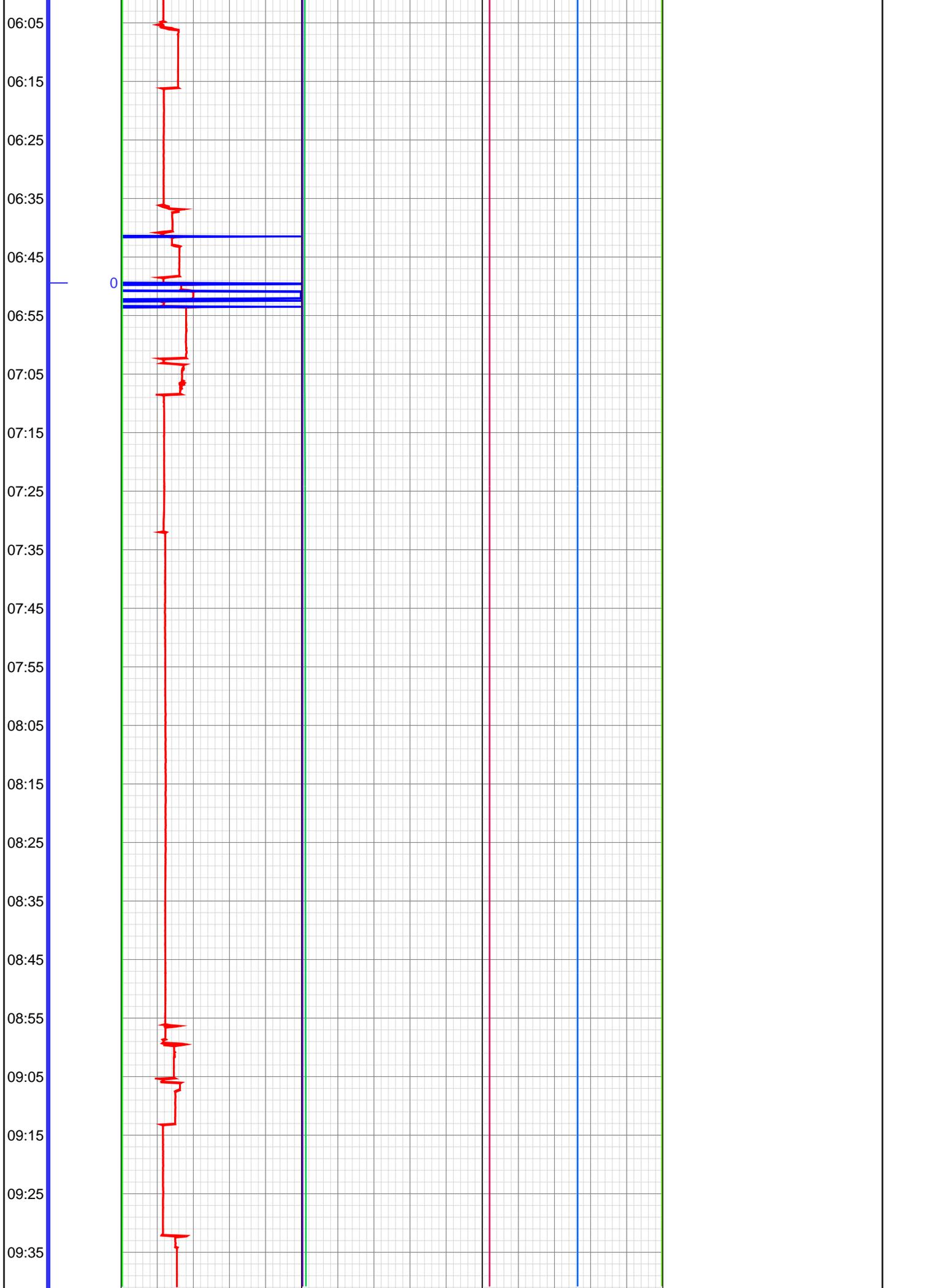
Jul 26, 2021

07/25 23:17:50: PUMP 1  
DISPLACEMENT  
RECALIBRATED  
07/25 23:18:03: PUMP 2  
DISPLACEMENT  
RECALIBRATED

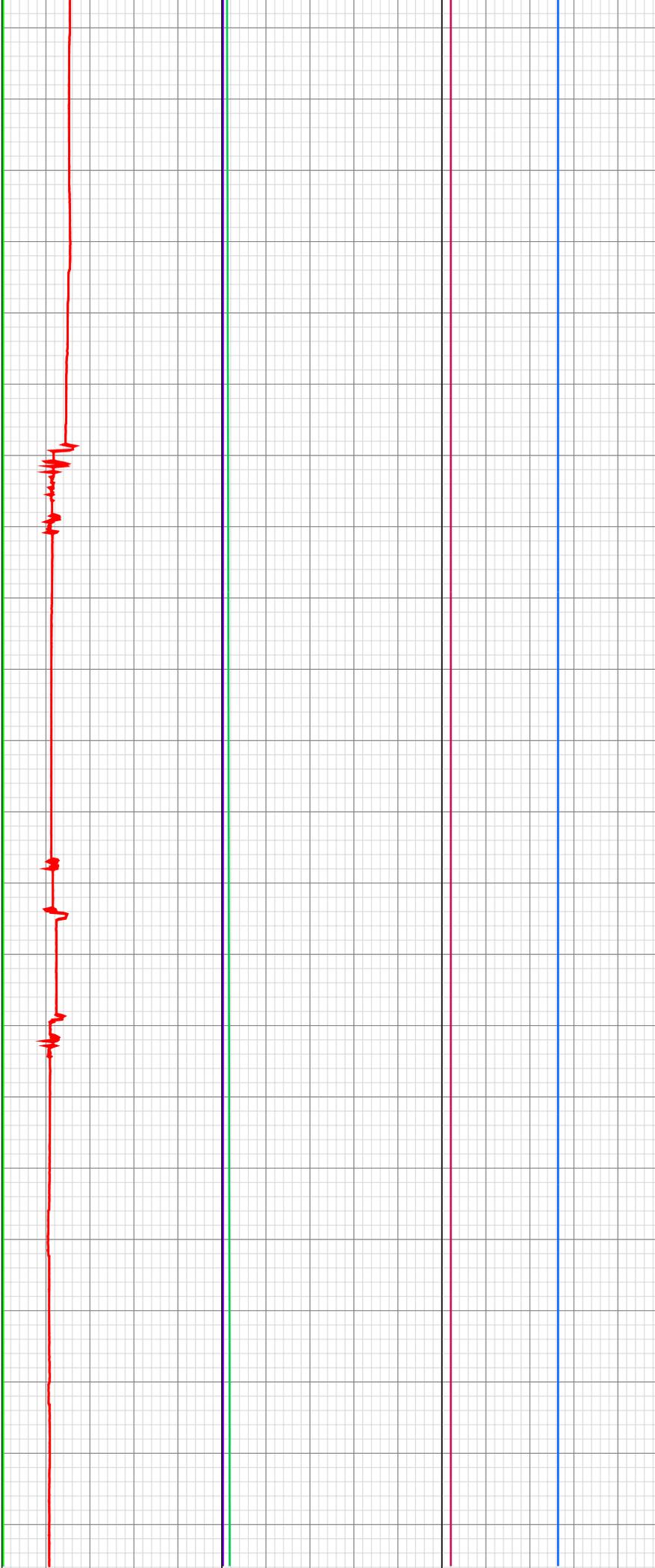








09:45  
09:55  
10:05  
10:15  
10:25  
10:35  
10:45  
10:55  
11:05  
11:15  
11:25  
11:35  
11:45  
11:55  
12:05  
12:15  
12:25  
12:35  
12:45  
12:55  
13:05  
13:15



07/26 10:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

13:25  
13:35  
13:45  
13:55  
14:05  
14:15  
14:25  
14:35  
14:45  
14:55  
15:05  
15:15  
15:25  
15:35  
15:45  
15:55  
16:05  
16:15  
16:25  
16:35  
16:45  
16:55



07/26 16:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

17:05

17:15

17:25

17:35

17:45

17:55

18:05

18:15

18:25

18:35

18:45

18:55

19:05

19:15

19:25

19:35

19:45

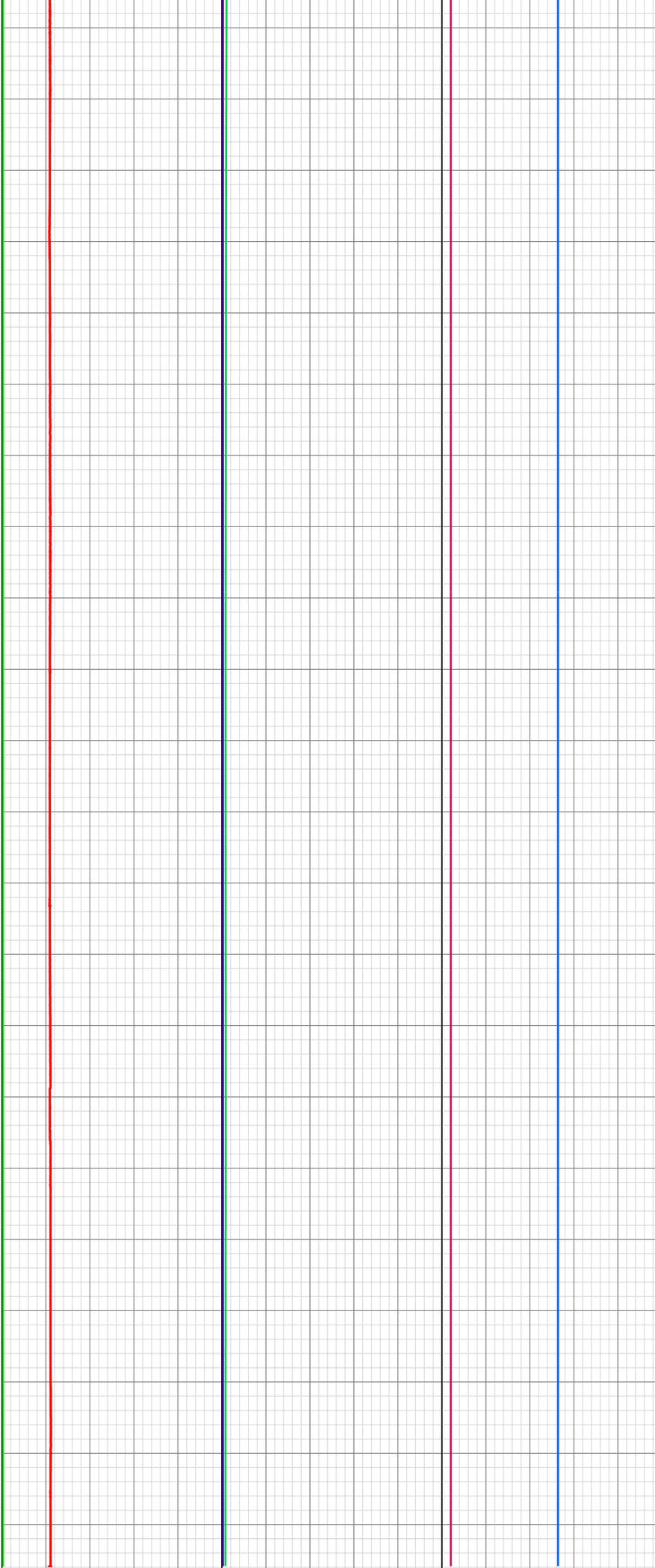
19:55

20:05

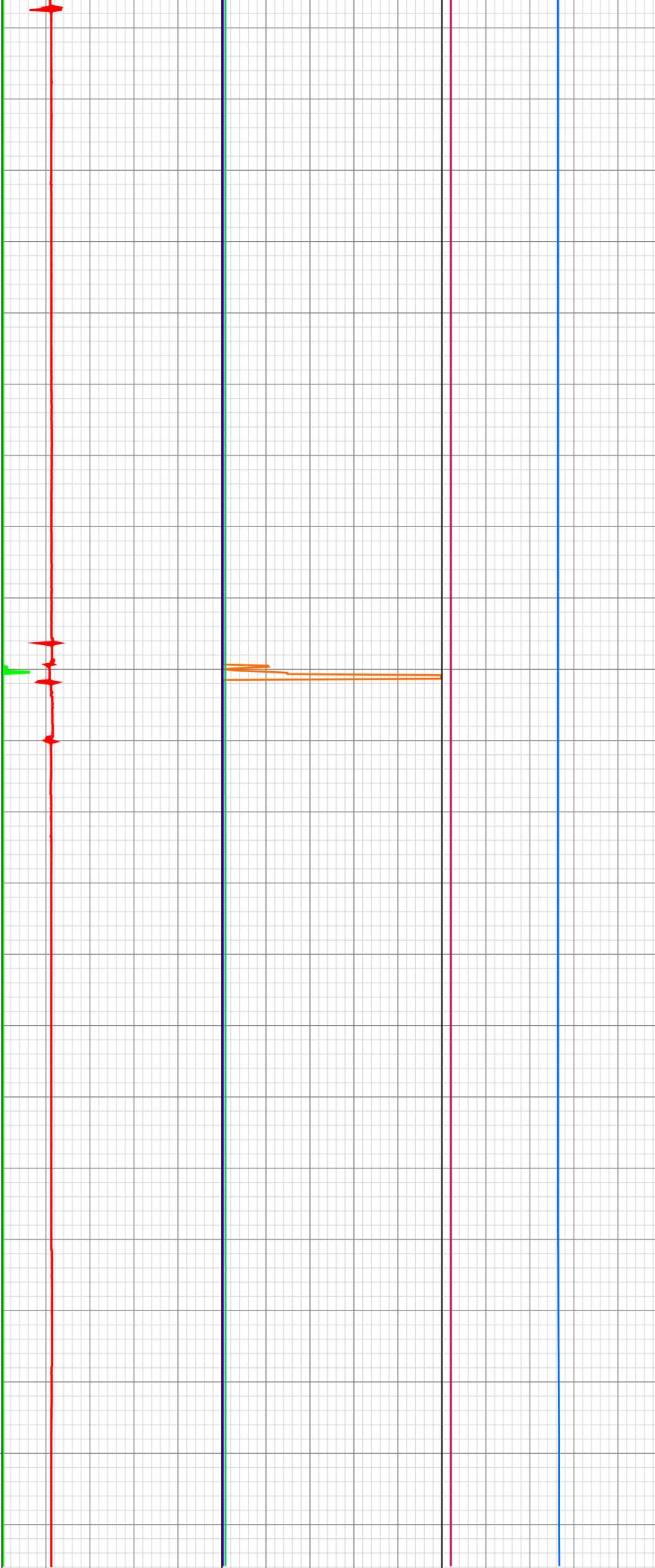
20:15

20:25

20:35



20:45  
20:55  
21:05  
21:15  
21:25  
21:35  
21:45  
21:55  
22:05  
22:15  
22:25  
22:35  
22:45  
22:55  
23:05  
23:15  
23:25  
23:35  
23:45  
23:55  
00:00  
00:15



07/26 22:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

07/26 23:17:00: MOVE  
STAND PIPE  
TRANSDUCER TO  
WELL-HEAD FOR BOP  
PRESSURE TEST

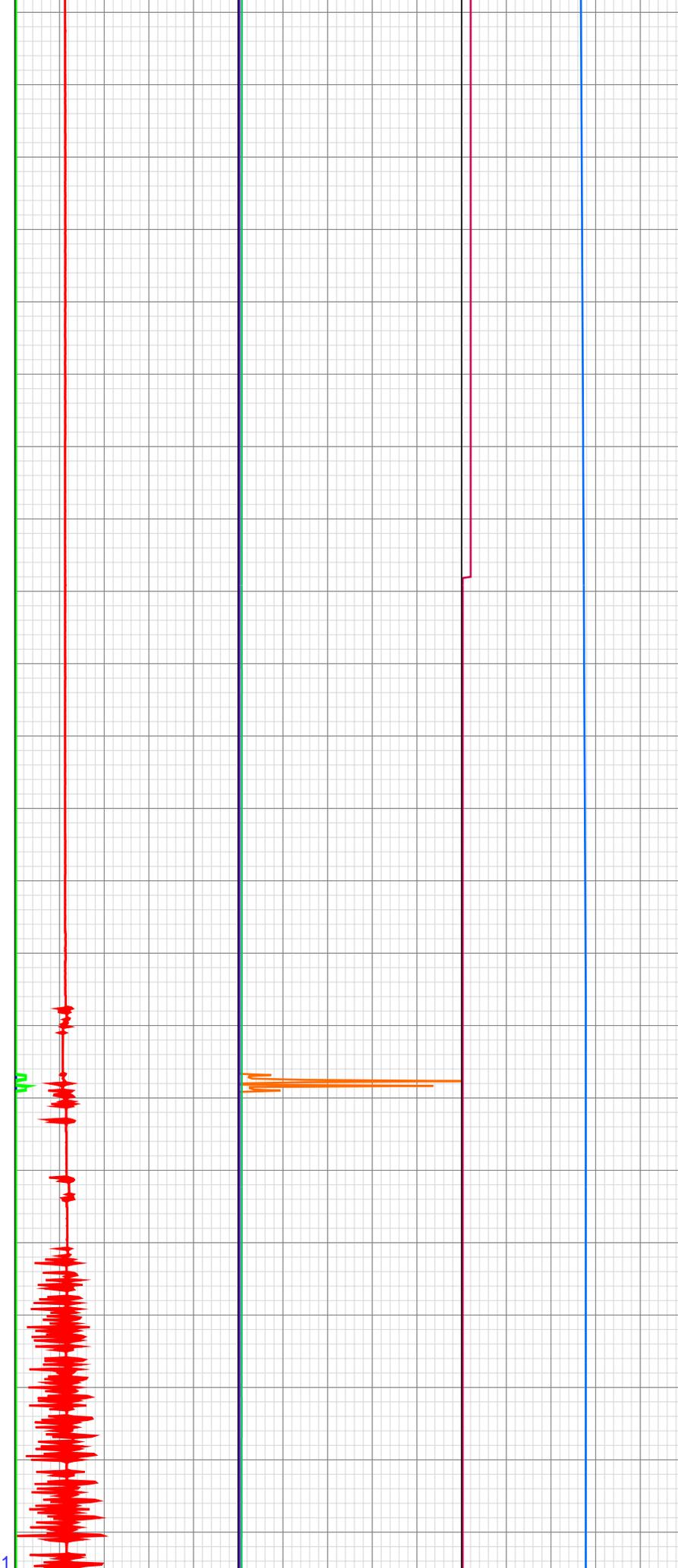
07/26 23:32:55:  
STANDPIPE PRESSURE  
ZEROED FROM DHC  
07/26 23:33:32: ZWOB  
FROM Rig Display Drilling  
07/26 23:33:33: ZDIFF  
FROM Rig Display Drilling

07/26 23:47:00:  
PRESSURE TEST INSIDE  
VALVE & CHECK VALVE  
LOW 5 MIN  
07/26 23:50:58: ZDIFF  
FROM Rig Display Drilling

00: Jul 27, 2021

07/27 00:16:00: PSI TEST  
CASING

00:25  
00:35  
00:45  
00:55  
01:05  
01:15  
01:25  
01:35  
01:45  
01:55  
02:05  
02:15  
02:25  
02:35  
02:45  
02:55  
03:05  
03:15  
03:25  
03:35  
03:45  
03:55



07/27 00:22:33: ZDIFF  
FROM Rig Display Drilling

07/27 00:48:00:  
PRESSURE TEST  
CASING  
07/27 00:52:00: BLEED  
OFF  
07/27 00:57:00:  
PRESSURE TEST OUTER  
VALVES ON BOP  
07/27 00:58:47: ZDIFF  
FROM Rig Display Drilling

07/27 01:10:18: ZDIFF  
FROM Rig Display Drilling

07/27 01:19:00: BLEED  
OFF PSI  
07/27 01:25:00:  
PRESSURE TEST OUTER  
CHOCK VALVES  
07/27 01:26:34: ZDIFF  
FROM Rig Display Drilling

07/27 01:35:44: ZDIFF  
FROM Rig Display Drilling

07/27 01:42:53: BIT  
HOURS CHANGED FROM  
4.1 TO 0  
07/27 01:45:00: BLEED  
OFF PSI  
07/27 01:52:00:  
PRESSURE TEST  
MIDDLE CHOKE VALVES  
07/27 01:55:05: ZDIFF  
FROM Rig Display Drilling

07/27 02:05:05: ZDIFF  
FROM Rig Display Drilling

07/27 02:14:00: BLEED  
OFF

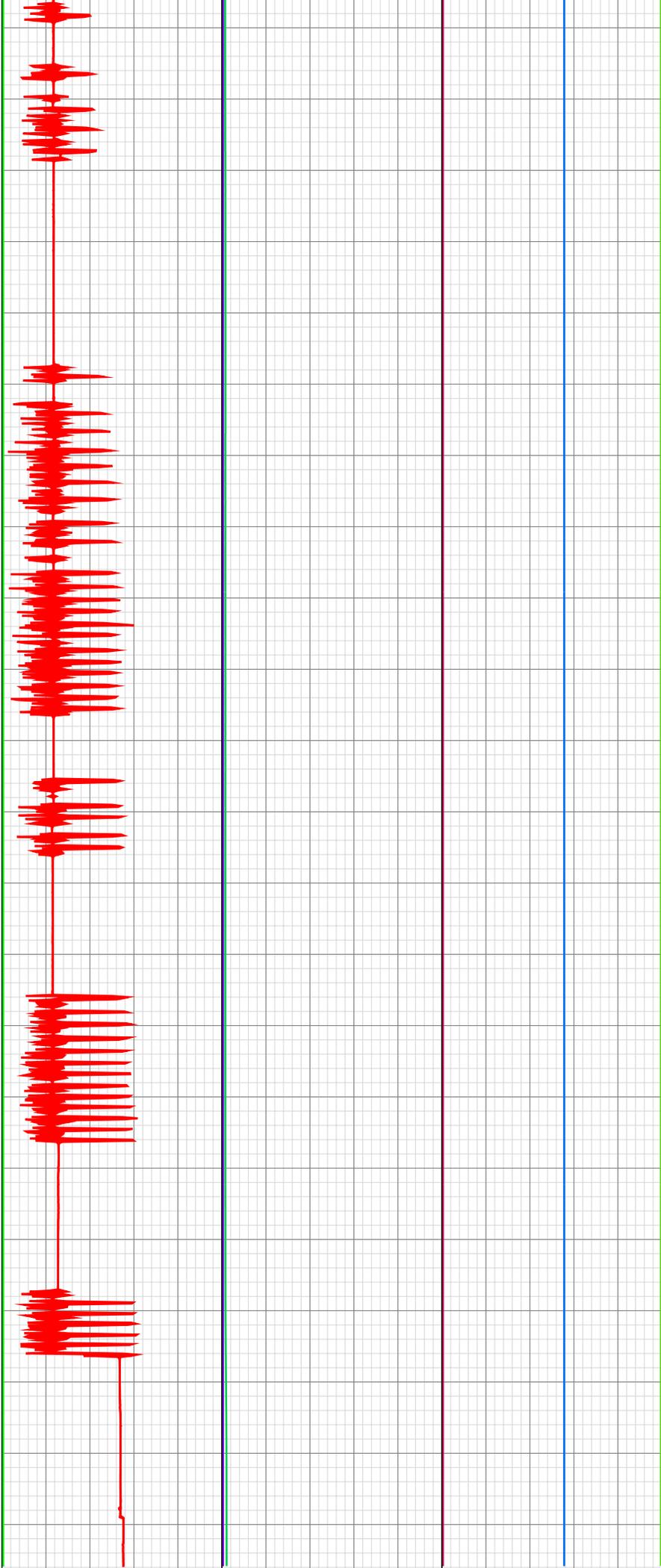
07/27 02:19:00:  
PRESSURE TEST INNER  
VALVES

07/27 02:29:05: ZDIFF  
FROM Rig Display Drilling

07/27 03:00:00: B/U BIT&  
BIT SUB

04:05  
04:15  
04:25  
04:35  
04:45  
04:55  
05:05  
05:15  
05:25  
05:35  
05:45  
05:55  
06:05  
06:15  
06:25  
06:35  
06:45  
06:55  
07:05  
07:15  
07:25  
07:35

5  
10  
23  
40  
65  
95  
705  
735  
760  
787  
820  
845  
875  
905  
940  
965  
950  
980  
1015  
1080  
1140  
1200  
1235  
1296  
1330  
1360  
1410  
1425  
1490  
1520  
1555  
1585  
1625  
1680  
1735  
1775  
1820  
1870  
1900  
1875  
1920  
1970  
2035



07/27 04:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available  
07/27 04:26:05: BIT  
DEPTH CHANGED TO  
704.0 FEET

07/27 04:34:00: RIG  
SERVICE

07/27 05:18:51: BIT  
DEPTH CHANGED TO  
948.0 FEET

07/27 06:47:00: LOAD  
RACKS STRAP PIPE

07/27 07:01:28: BIT  
DEPTH CHANGED TO  
1870.0 FEET



07:45  
07:55  
08:05  
08:15  
08:25  
08:35  
08:45  
08:55  
09:05  
09:15  
09:25  
09:35  
09:45  
09:55  
10:05  
10:15  
10:25  
10:35  
10:45  
10:55  
11:05  
11:15

2059  
2058  
2032  
2000  
1995

1994

1968  
1940  
1910  
1880  
1873  
1845  
1815  
1785

1778  
1750  
1720  
1685  
1683  
1655  
1625

1590  
1565  
1535  
1500  
1495  
1465  
1435  
1402  
1398  
1370  
1340

1307  
1280  
1250  
1220  
1213  
1185  
1155  
1120  
1113  
1085  
1050

1025  
995  
965

940

931

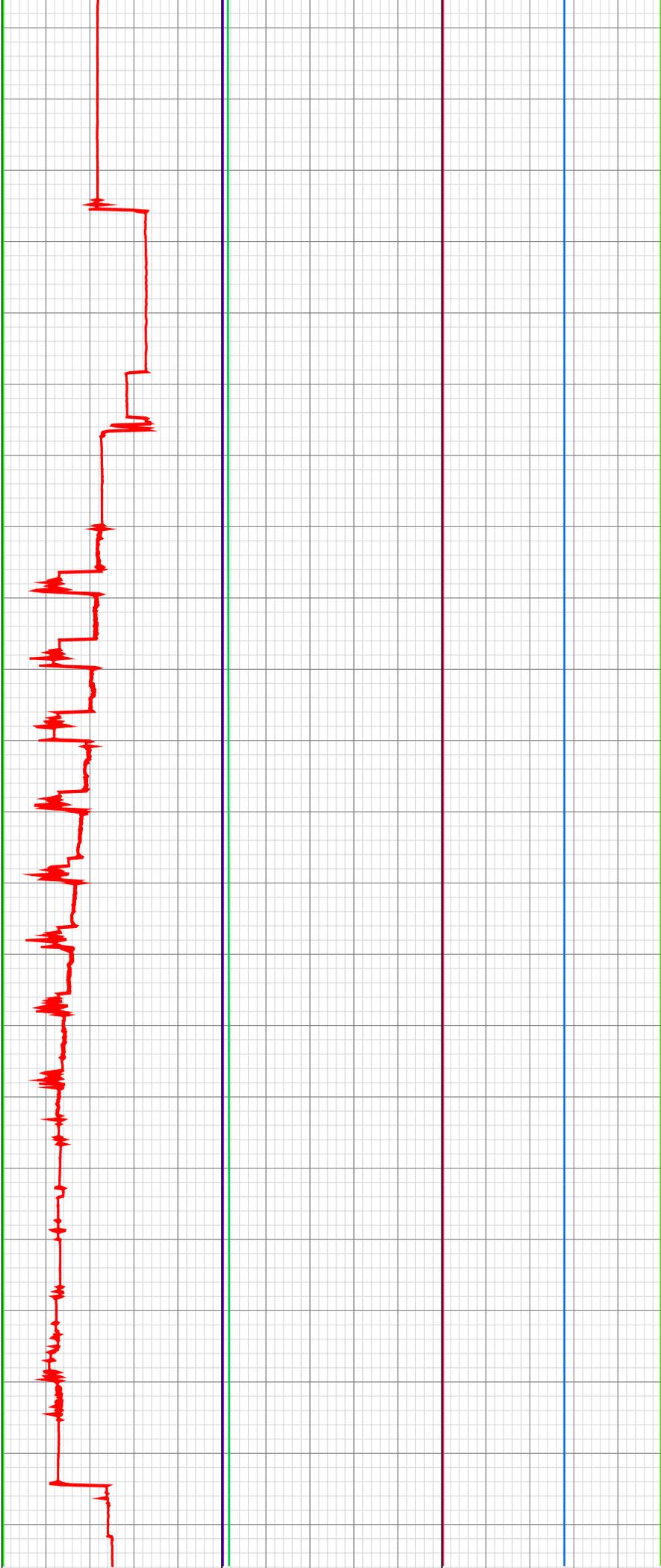
916  
892  
866  
840

839

07/27 10:14:33: UJB:  
Firmware updated from  
version 0 to version  
2294016  
07/27 10:15:20: UJB:  
Firmware updated from  
version 0 to version  
2294016  
07/27 10:16:27: UJB:  
Firmware updated from  
version 0 to version  
2294016  
07/27 10:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

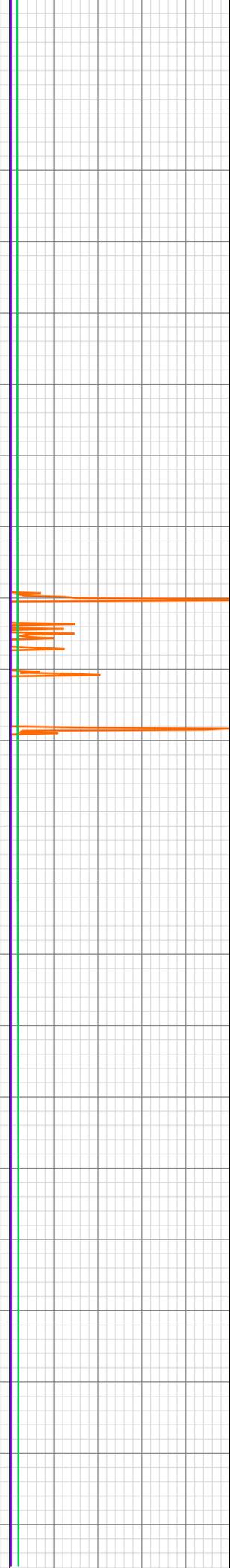
11:25  
11:35  
11:45  
11:55  
12:05  
12:15  
12:25  
12:35  
12:45  
12:55  
13:05  
13:15  
13:25  
13:35  
13:45  
13:55  
14:05  
14:15  
14:25  
14:35  
14:45  
14:55

834  
829  
829  
805  
775  
747  
725  
695  
665  
654  
625  
595  
565  
564  
549  
537  
535



15:05  
15:15  
15:25  
15:35  
15:45  
15:55  
16:05  
16:15  
16:25  
16:35  
16:45  
16:55  
17:05  
17:15  
17:25  
17:35  
17:45  
17:55  
18:05  
18:15  
18:25  
18:35

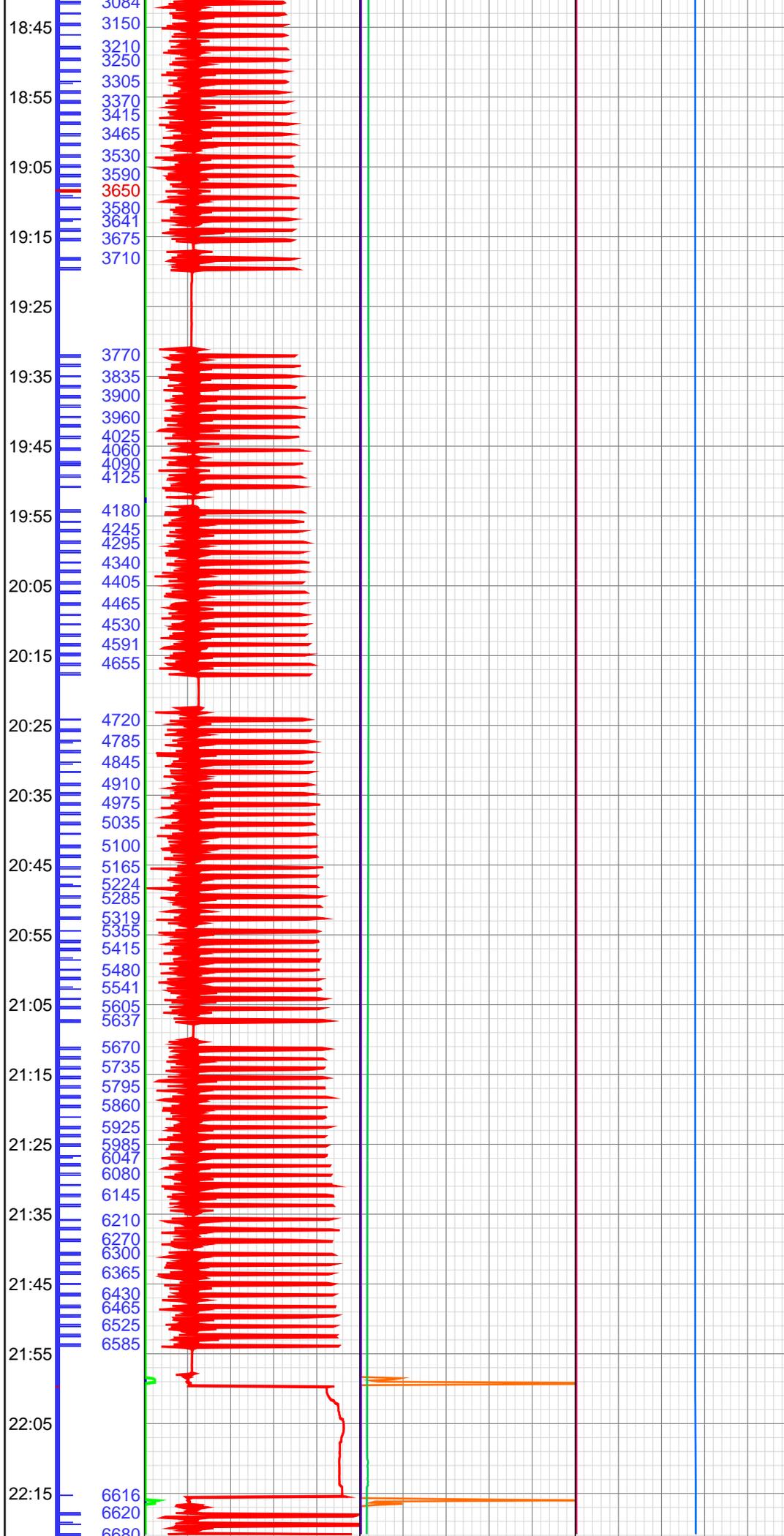
536  
555  
636  
640  
648  
655  
671  
760  
849  
945  
1033  
1130  
1225  
1320  
1415  
1510  
1605  
1750  
1880  
1975  
2075  
2170  
2215  
2240  
2295  
2360  
2420  
2455  
2485  
2515  
2550  
2580  
2620  
2675  
2720  
2770  
2825  
2865  
2920  
2930  
2980  
3025  
3065



07/27 16:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

07/27 16:42:00: INSTALL  
ROT RUBBER

07/27 18:17:00: STRAP  
PIPE



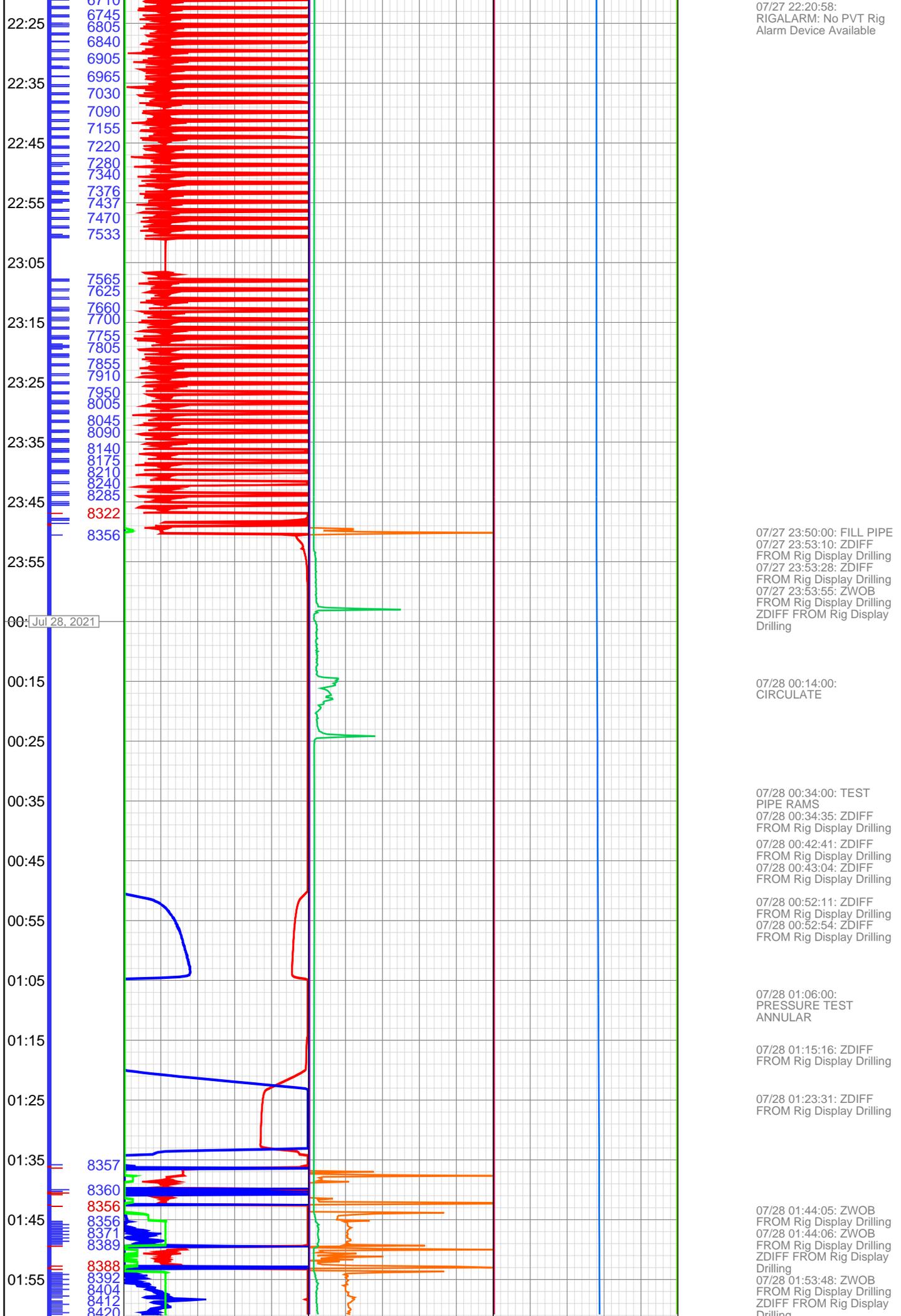
07/27 19:08:15: BIT  
DEPTH CHANGED TO  
3547.0 FEET

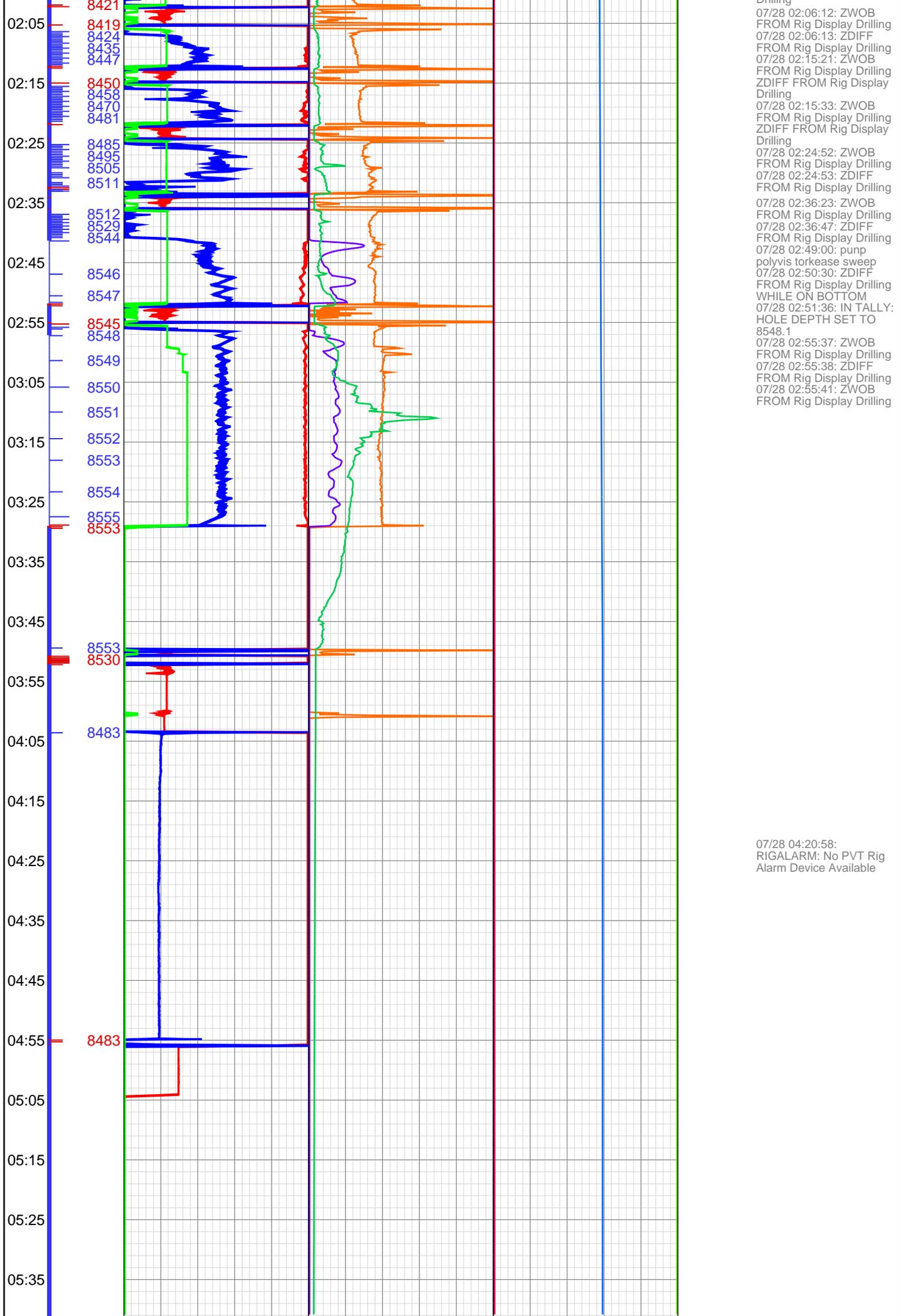
07/27 19:16:51: HOOK  
LOAD THRESHOLD  
RECALIBRATED TO 60

07/27 20:17:00: STRAP  
PIPE

07/27 21:59:00: FILL PIPE

07/27 22:10:07: ZDIFF  
FROM Rig Display Drilling



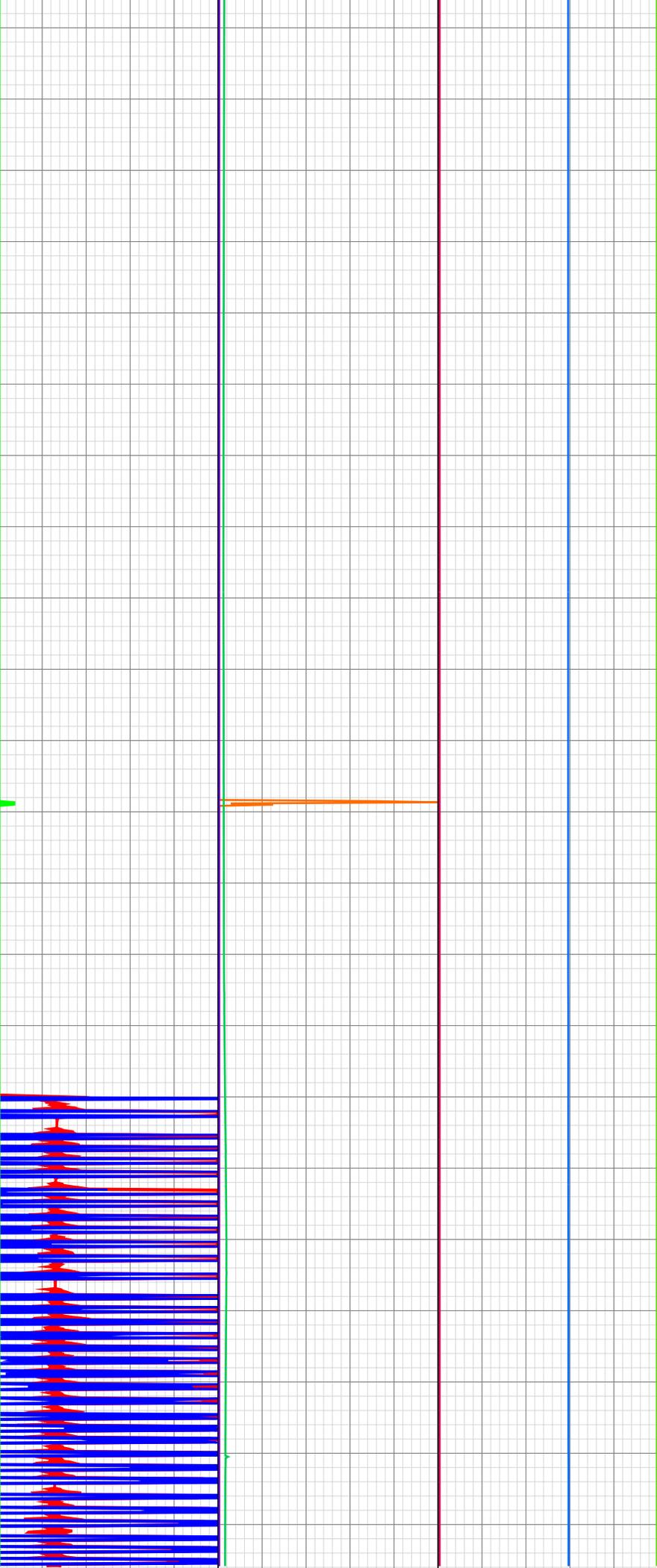


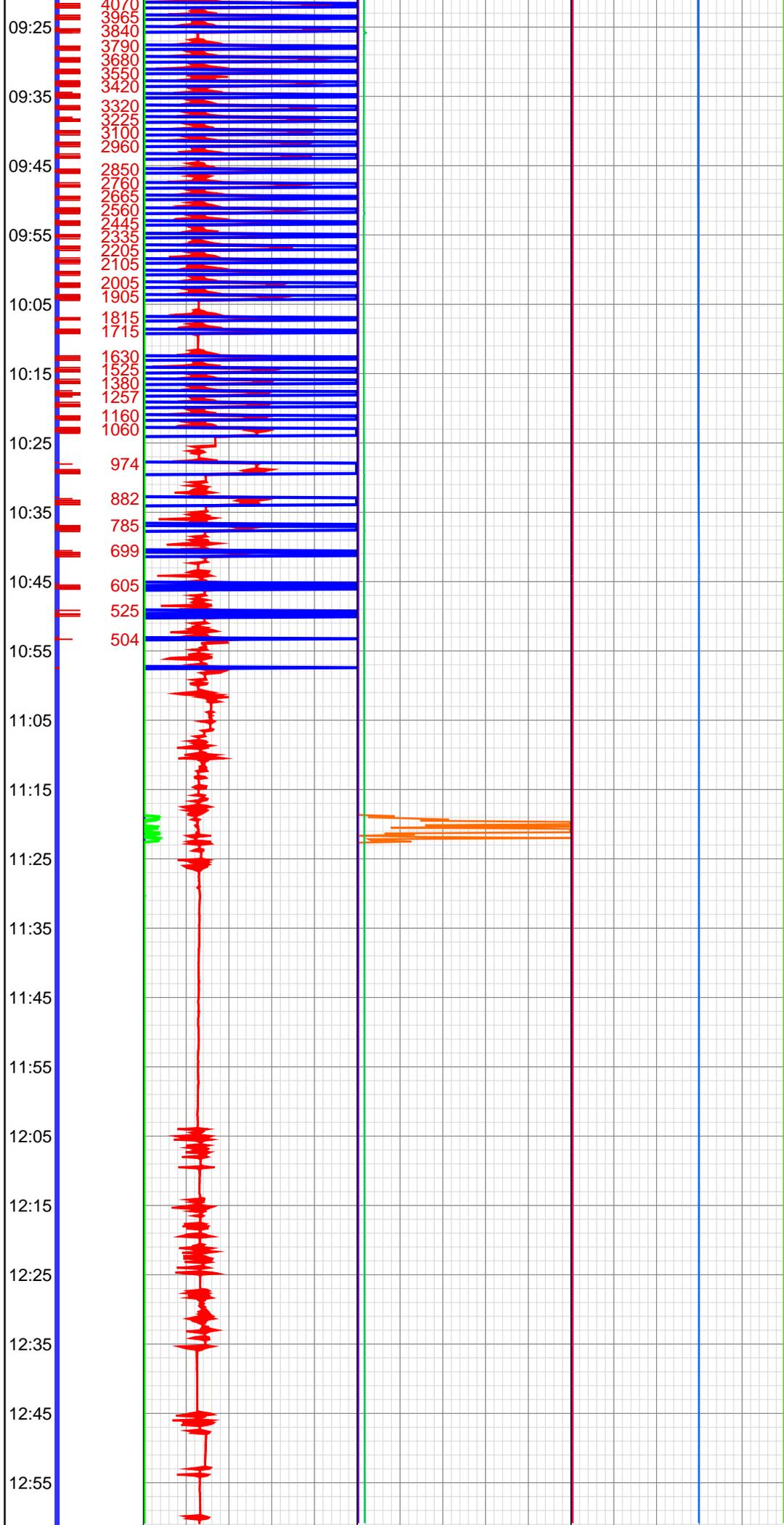
05:45  
05:55  
06:05  
06:15  
06:25  
06:35  
06:45  
06:55  
07:05  
07:15  
07:25  
07:35  
07:45  
07:55  
08:05  
08:15  
08:25  
08:35  
08:45  
08:55  
09:05  
09:15

07/28 06:09:00:  
PERFORM EXTENDED  
LEAK OFF TEST

07/28 08:28:43: BIT  
DEPTH CHANGED TO  
6617.0 FEET

8480  
8385  
8280  
8155  
8040  
8010  
6610  
6510  
6365  
6290  
6210  
6145  
6050  
5958  
5850  
5735  
5605  
5490  
5390  
5299  
5205  
5080  
4925  
4830  
4730  
4640  
4545  
4445  
4358  
4235  
4090





07/28 10:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

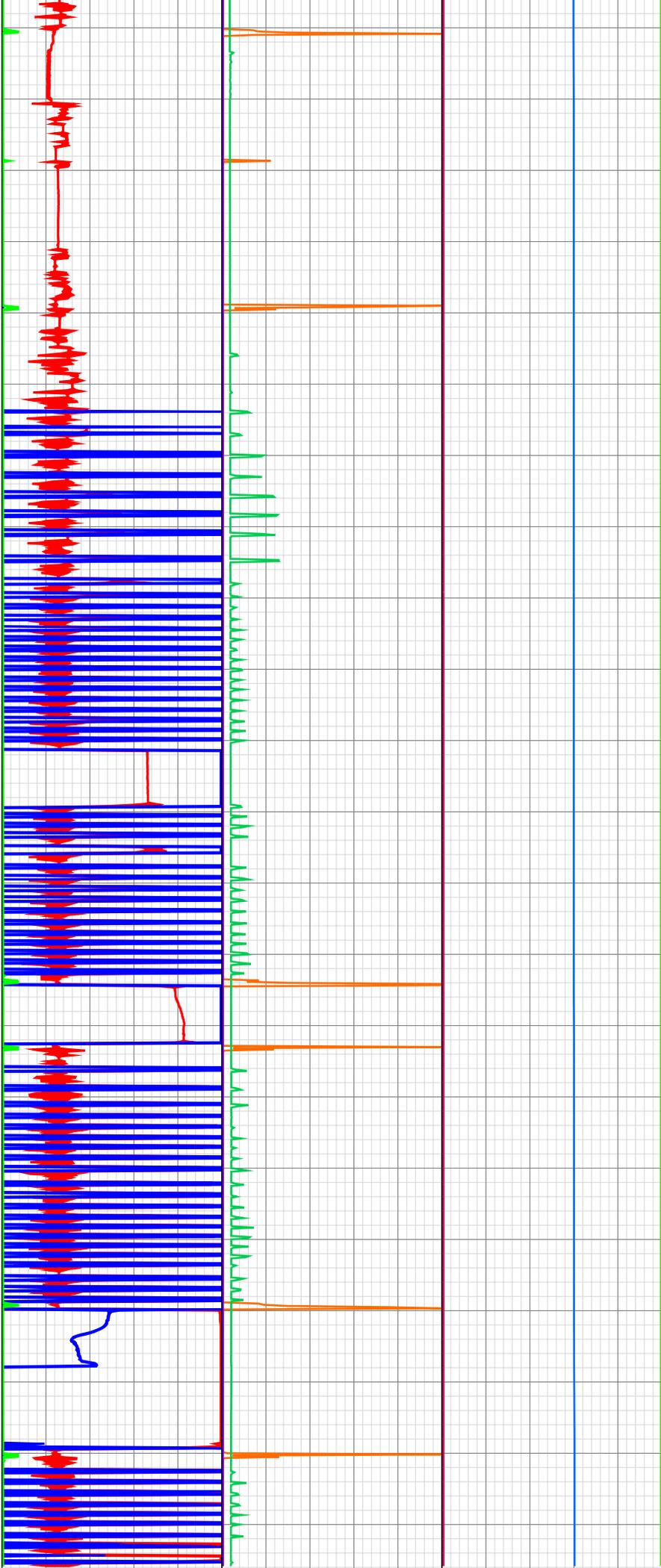
07/28 11:24:00: BREAK  
BIT  
07/28 11:26:00: RIG  
SERVICE

07/28 12:08:00: P/J/S/M/  
PICK UP DIR TOOLS



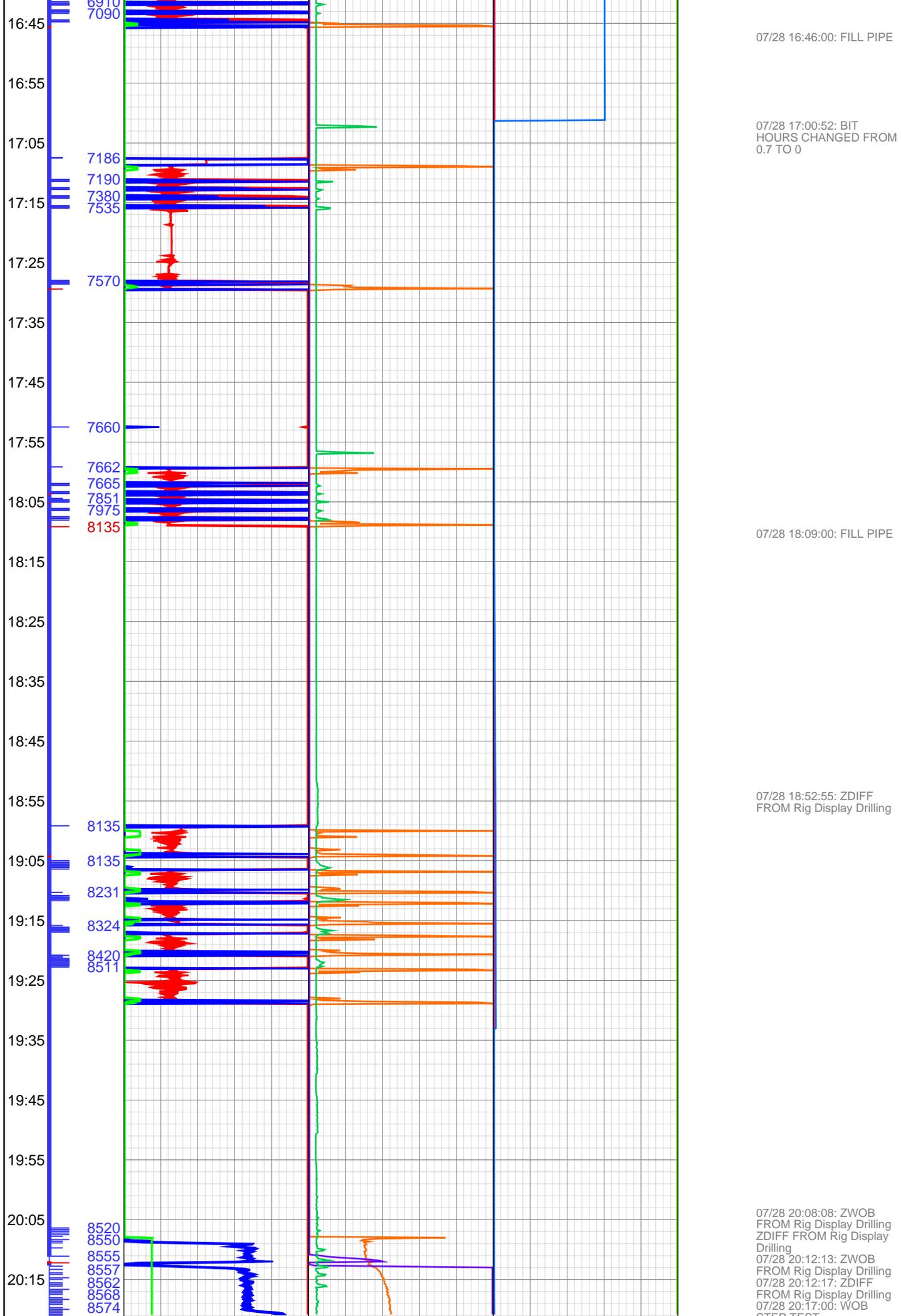
13:05  
13:15  
13:25  
13:35  
13:45  
13:55  
14:05  
14:15  
14:25  
14:35  
14:45  
14:55  
15:05  
15:15  
15:25  
15:35  
15:45  
15:55  
16:05  
16:15  
16:25  
16:35

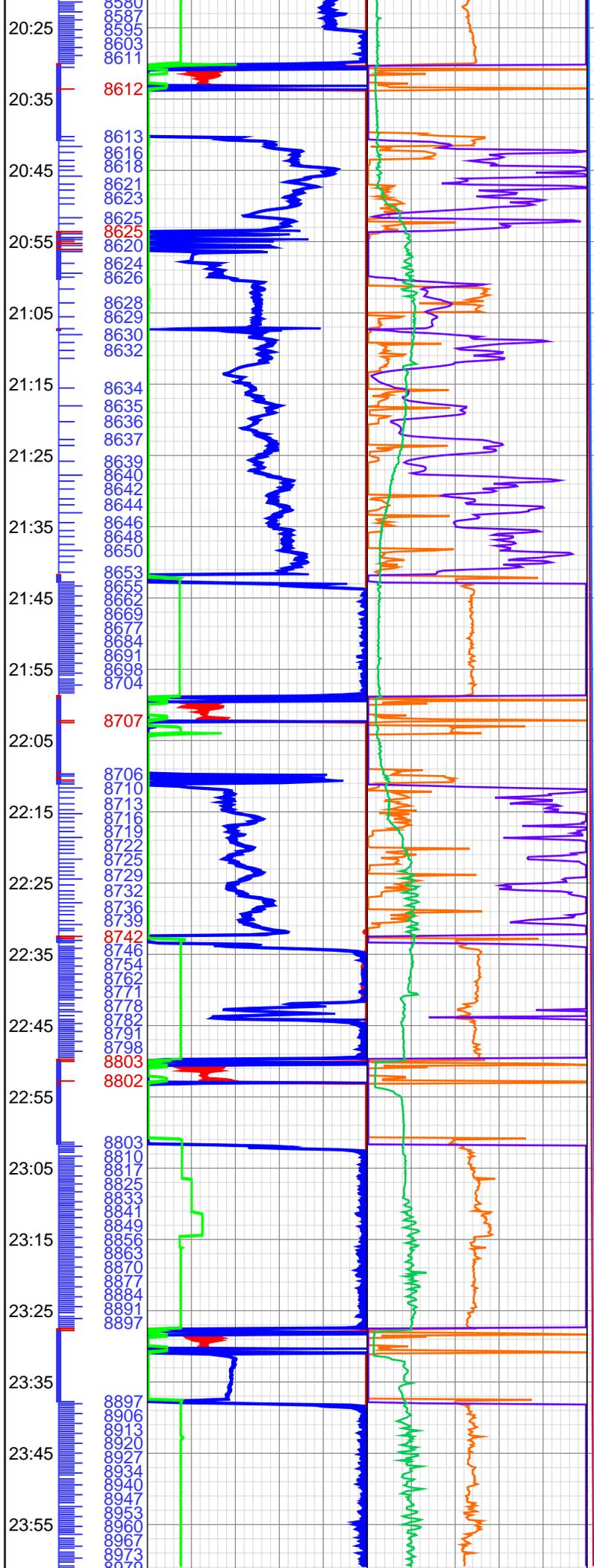
504  
504  
512  
580  
650  
730  
813  
905  
994  
1090  
1260  
1370  
1530  
1655  
1845  
2035  
2215  
2315  
2480  
2505  
2694  
2885  
2980  
3155  
3260  
3405  
3545  
3730  
3830  
4016  
4015  
4020  
4115  
4206  
4360  
4490  
4670  
4775  
4870  
5030  
5155  
5345  
5535  
5725  
5910  
6001  
6051  
6060  
6220  
6340  
6530  
6635  
6815



07/28 15:19:00: FILL PIPE  
07/28 15:20:19: ZDIFF  
FROM Rig Display Drilling

07/28 16:05:00: BIT  
DEPTH CHANGED TO  
6051.0 FEET  
07/28 16:06:37:  
STANDPIPE PRESSURE  
ZEROED FROM Rig  
Display Drilling  
07/28 16:08:00: FILL PIPE  
07/28 16:12:25: ZDIFF  
FROM Rig Display Drilling  
07/28 16:12:45: ZDIFF  
FROM Rig Display Drilling  
07/28 16:12:48: ZWOB  
FROM Rig Display Drilling  
07/28 16:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available





STEP TEST  
 07/28 20:28:00: TRANSFERING WATER FROM FRAC T.  
 07/28 20:29:51: IN TALLY: HOLE DEPTH SET TO 8614.6  
 07/28 20:30:00: FINSH TRANSFER  
 07/28 20:31:00: SLIDING  
 07/28 20:40:03: ZDIFF FROM Rig Display Drilling

07/28 21:42:20: ZDIFF FROM Rig Display Drilling  
 07/28 21:42:24: ZWOB FROM Rig Display Drilling  
 07/28 21:57:00: MUD VIS 27 / WT 8.3  
 07/28 21:58:28: IN TALLY: HOLE DEPTH SET TO 8709.5  
 07/28 22:07:44: ZDIFF FROM Rig Display Drilling  
 07/28 22:09:34: ZWOB FROM Rig Display Drilling  
 07/28 22:10:53: ZWOB FROM Rig Display Drilling  
 07/28 22:11:00: SLIDING  
 07/28 22:11:12: ZWOB FROM Rig Display Drilling  
 07/28 22:11:17: ZDIFF FROM Rig Display Drilling  
 07/28 22:11:16: ZWOB FROM Rig Display Drilling  
 07/28 22:11:17: ZDIFF FROM Rig Display Drilling  
 07/28 22:20:58: RIGALARM: No PVT Rig Alarm Device Available  
 07/28 22:32:53: ZWOB FROM Rig Display Drilling  
 07/28 22:32:54: ZDIFF FROM Rig Display Drilling  
 07/28 22:35:00: ROTATING  
 07/28 22:40:00: AUTO DRILLER STOP WORKING  
 07/28 22:49:26: IN TALLY: HOLE DEPTH SET TO 8804.5  
 07/28 22:58:00: SURVEY INC 0.99 AZ 21.37  
 07/28 23:01:01: ZDIFF FROM Rig Display Drilling  
 07/28 23:01:24: ZWOB FROM Rig Display Drilling  
 07/28 23:02:00: RPM STEP TEST  
 07/28 23:03:00: SURVEY INC 0.99 AZ 21.37

07/28 23:27:16: IN TALLY: HOLE DEPTH SET TO 8899.5  
 07/28 23:35:00: SURVEY INC 0.92 Az 283.71  
 07/28 23:37:36: ZWOB FROM Rig Display Drilling  
 07/28 23:37:39: ZDIFF FROM Rig Display Drilling

00: Jul 29, 2021 09:33

00:15

00:25

00:35

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01:05

01:15

01:25

01:35

01:45

01:55

02:05

02:15

02:25

02:35

02:45

02:55

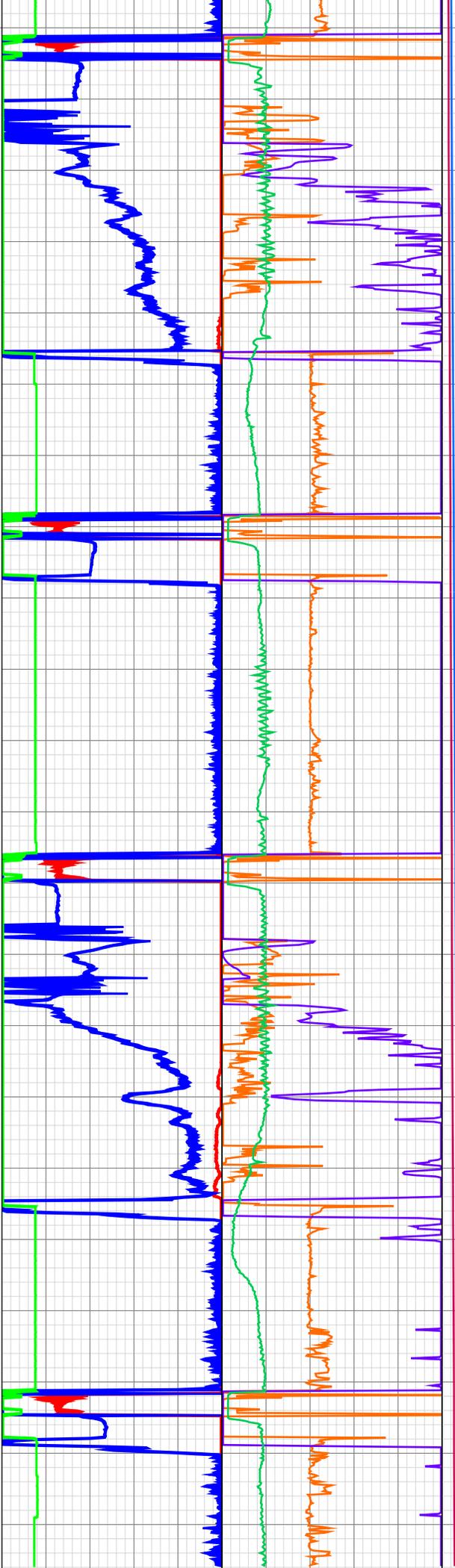
03:05

03:15

03:25

03:35

8980  
8986  
8991  
**8990**  
8994  
8996  
8997  
8999  
9002  
9005  
9008  
9011  
9014  
9018  
9022  
9025  
9028  
**9030**  
9034  
9038  
9043  
9048  
9053  
9060  
9066  
9072  
9077  
9082  
9087  
**9086**  
9086  
9094  
9099  
9104  
9109  
9114  
9119  
9123  
9128  
9133  
9138  
9143  
9149  
9155  
9160  
9165  
9170  
9175  
9179  
**9183**  
**9180**  
9180  
9184  
**9184**  
**9182**  
9185  
9187  
9190  
9193  
9197  
9201  
9205  
9208  
9212  
9216  
9220  
9224  
9224  
9229  
9232  
9236  
9240  
9245  
9249  
9254  
9258  
9263  
9267  
9273  
9278  
9274  
9282  
9287  
9291  
9297  
9301  
9305  
9310  
9315



07/29 00:05:50: IN TALLY:  
HOLE DEPTH SET TO  
8994.6  
07/29 00:14:00: SURVEY  
INC 2.76 AZ 282.65  
07/29 00:15:01: ZDIFF  
FROM Rig Display Drilling  
07/29 00:15:09: ZWOB  
FROM Rig Display Drilling  
07/29 00:15:17: ZDIFF  
FROM Rig Display Drilling  
07/29 00:25:00: SLIDING

07/29 00:35:00: SLIDING  
07/29 00:37:00: MUD WT  
8.3 VIS 27

07/29 00:50:40: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/29 00:50:44: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling

07/29 01:12:51: IN TALLY:  
HOLE DEPTH SET TO  
9089.5  
07/29 01:21:00: SURVEY  
INC 1.05 AZ 250.44  
07/29 01:21:55: ZDIFF  
FROM Rig Display Drilling  
07/29 01:21:59: ZWOB  
FROM Rig Display Drilling

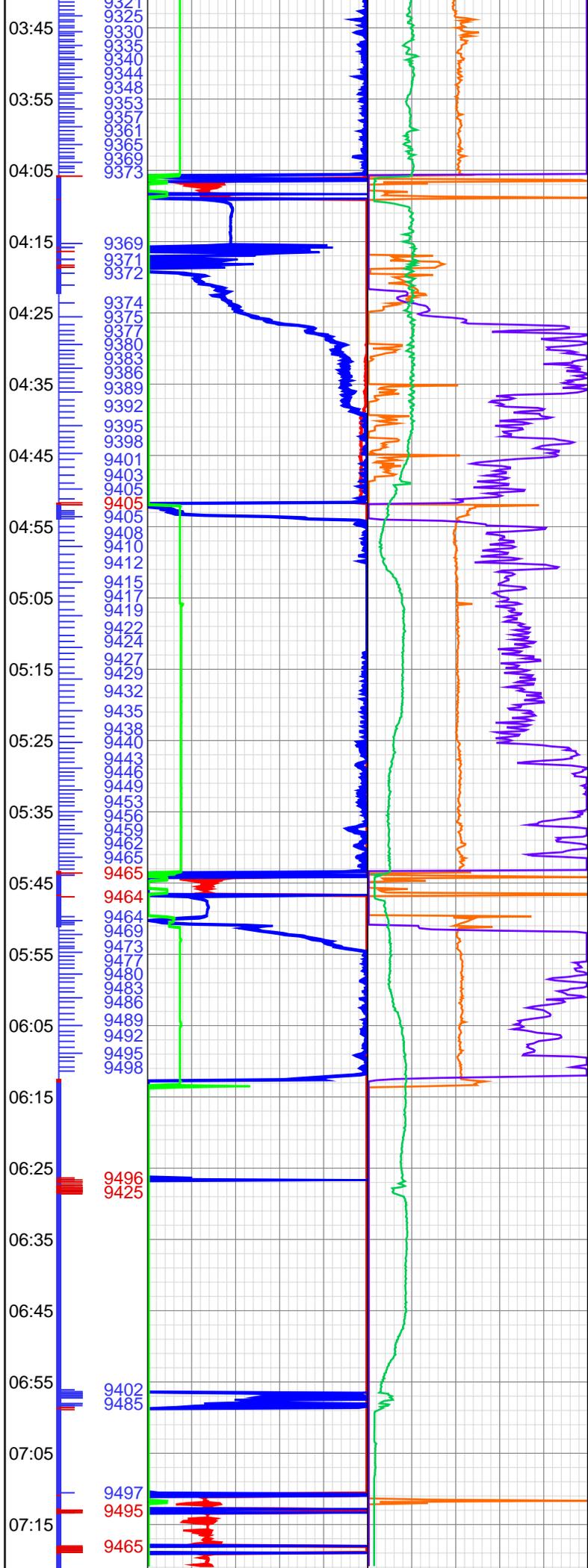
07/29 02:00:35: IN TALLY:  
HOLE DEPTH SET TO  
9183.9  
07/29 02:09:00: SURVEY  
INC 2.40 AZ 258.85  
07/29 02:10:47: ZWOB  
FROM Rig Display Drilling  
07/29 02:10:48: ZDIFF  
FROM Rig Display Drilling  
07/29 02:16:00: SLIDING

07/29 02:21:23: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling

07/29 02:50:41: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling

07/29 03:06:00: MUD WT  
8.3 VIS 27

07/29 03:15:52: IN TALLY:  
HOLE DEPTH SET TO  
9278.7  
07/29 03:23:06: ZWOB  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling  
07/29 03:24:00: SURVEY  
INC 1.31 AZ 284.52



07/29 04:05:24: IN TALLY:  
 HOLE DEPTH SET TO  
 9373.5  
 07/29 04:13:00: SURVEY  
 INC 3.73 AZ 270.04  
 07/29 04:16:56: ZWOB  
 FROM Rig Display Drilling  
 07/29 04:16:59: ZDIFF  
 FROM Rig Display Drilling  
 07/29 04:19:15: ZWOB  
 FROM Rig Display Drilling  
 07/29 04:19:19: ZDIFF  
 FROM Rig Display Drilling  
 07/29 04:20:58:  
 RIGALARM: No PVT Rig  
 Alarm Device Available  
 07/29 04:28:00: SLIDING

07/29 04:52:09: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling  
 07/29 04:59:00: MUD WT  
 8.3 VIS 27

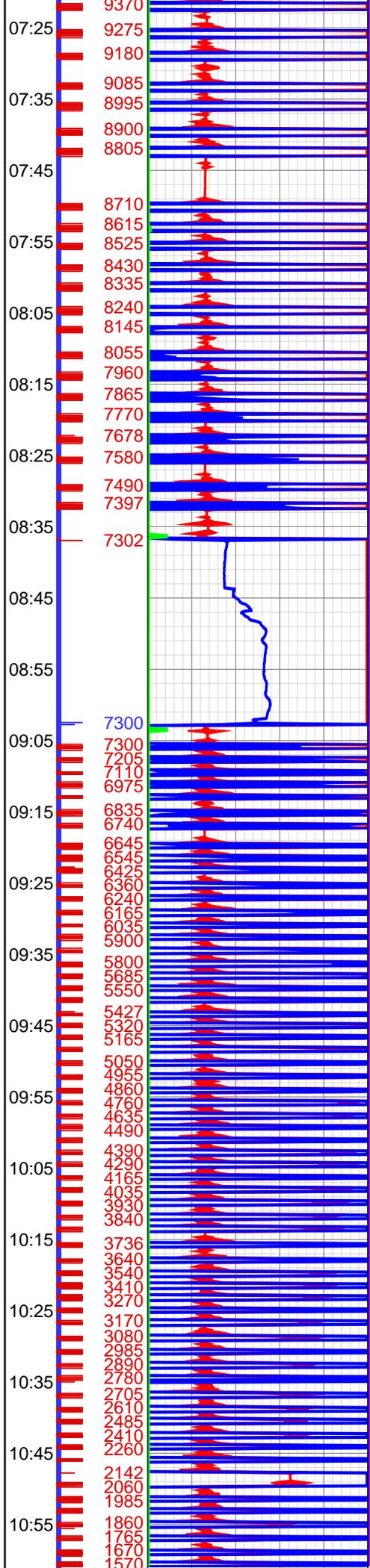
07/29 05:43:08: IN TALLY:  
 HOLE DEPTH SET TO  
 9468.4  
 07/29 05:50:01: ZWOB  
 FROM Rig Display Drilling  
 ZDIFF FROM Rig Display  
 Drilling  
 07/29 05:52:00: SURVEY  
 INC 3.96 AZ 250.99

07/29 06:13:00: pump  
 sweep

07/29 06:22:22: ZDIFF  
 FROM DHC

07/29 06:50:39: ZDIFF  
 FROM Rig Display Drilling

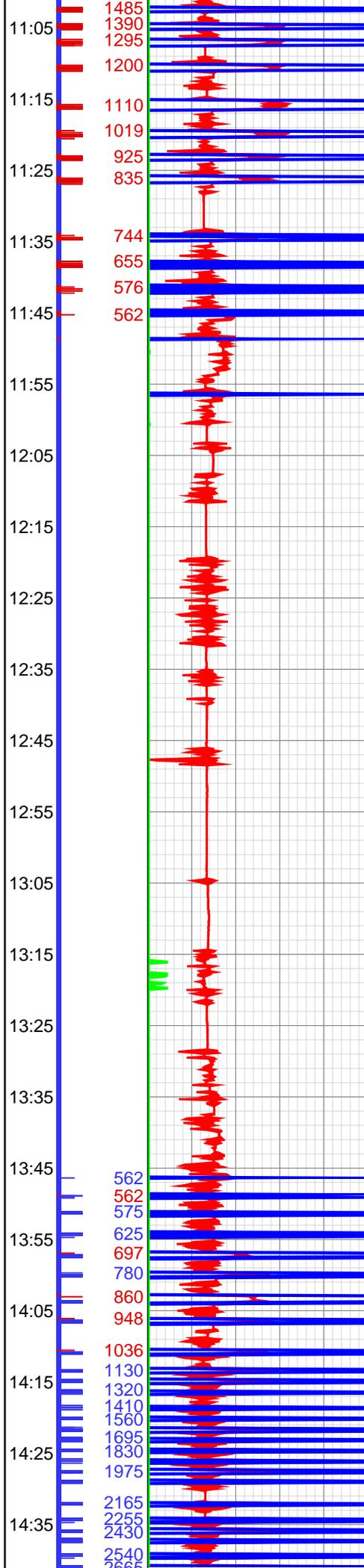
07/29 07:16:00: SURVEY  
 INC 3.91 AZ 235.47



9370  
 9275  
 9180  
 9085  
 8995  
 8900  
 8805  
 8710  
 8615  
 8525  
 8430  
 8335  
 8240  
 8145  
 8055  
 7960  
 7865  
 7770  
 7678  
 7580  
 7490  
 7397  
 7302  
 7300  
 7205  
 7110  
 6975  
 6835  
 6740  
 6645  
 6545  
 6425  
 6360  
 6240  
 6165  
 6035  
 5900  
 5800  
 5685  
 5550  
 5427  
 5320  
 5165  
 5050  
 4955  
 4860  
 4760  
 4635  
 4490  
 4390  
 4290  
 4165  
 4035  
 3930  
 3840  
 3736  
 3640  
 3540  
 3410  
 3270  
 3170  
 3080  
 2985  
 2890  
 2780  
 2705  
 2610  
 2485  
 2410  
 2260  
 2142  
 2060  
 1985  
 1860  
 1765  
 1670  
 1570

07/29 08:50:00: pump dry job

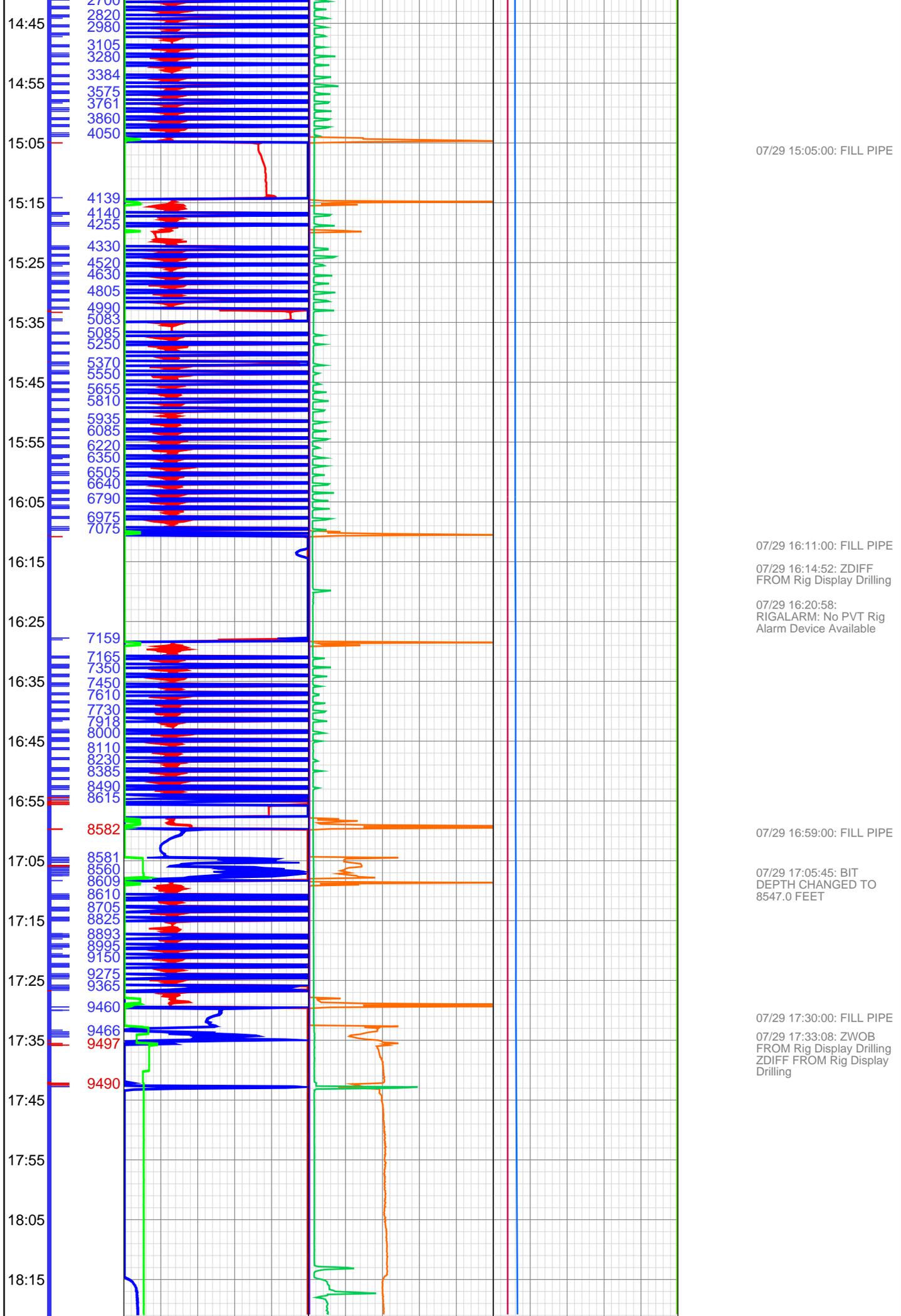
07/29 10:20:58: RIGALARM: No PVT Rig Alarm Device Available



1485  
1390  
1295  
1200  
1110  
1019  
925  
835  
744  
655  
576  
562

562  
562  
575  
625  
697  
780  
860  
948  
1036  
1130  
1320  
1410  
1560  
1695  
1830  
1975  
2165  
2255  
2430  
2540  
2665

07/29 12:11:00:  
TRANSFERING H2O TO  
PITS



07/29 15:05:00: FILL PIPE

07/29 16:11:00: FILL PIPE

07/29 16:14:52: ZDIFF  
FROM Rig Display Drilling

07/29 16:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

07/29 16:59:00: FILL PIPE

07/29 17:05:45: BIT  
DEPTH CHANGED TO  
8547.0 FEET

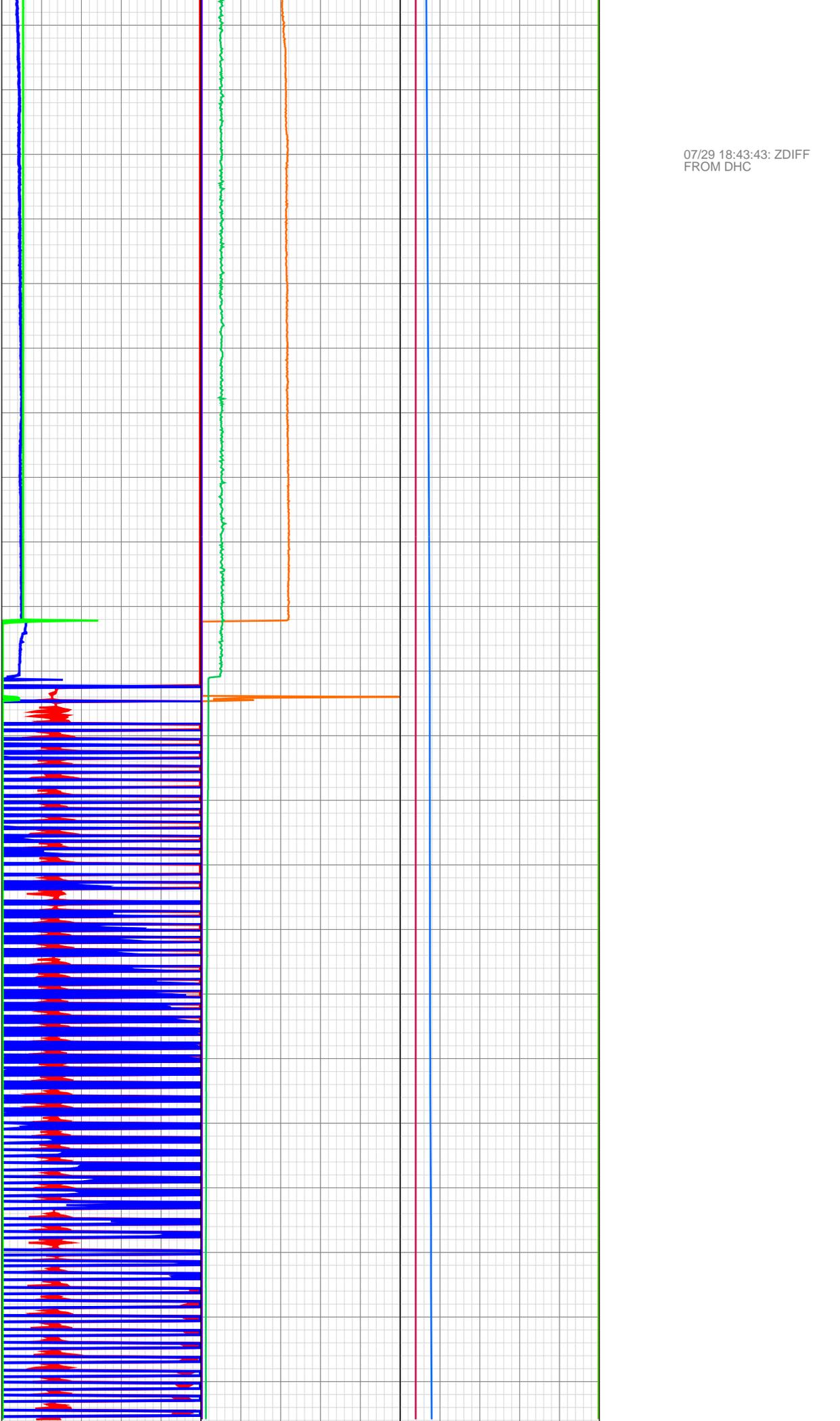
07/29 17:30:00: FILL PIPE  
FROM Rig Display Drilling  
ZDIFF FROM Rig Display  
Drilling

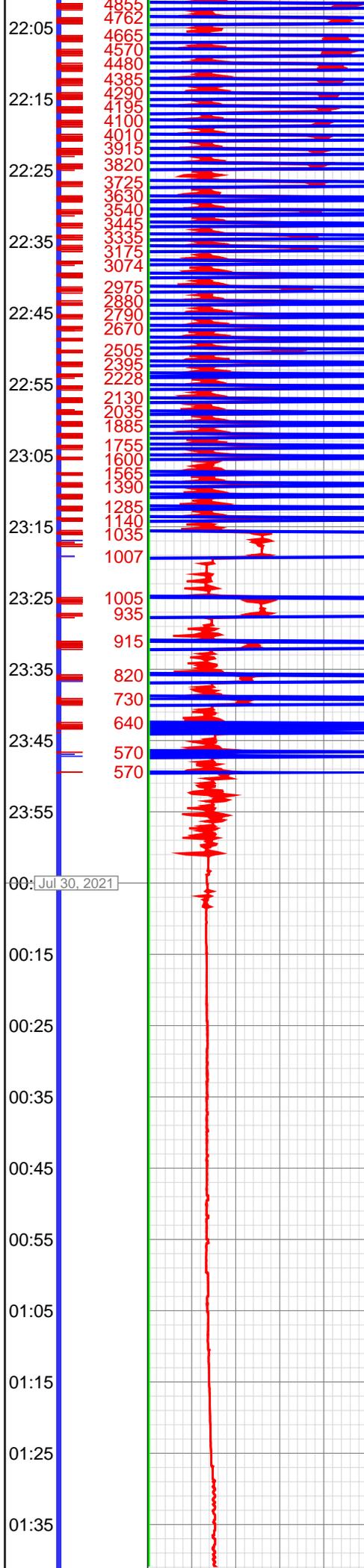


18:25  
18:35  
18:45  
18:55  
19:05  
19:15  
19:25  
19:35  
19:45  
19:55  
20:05  
20:15  
20:25  
20:35  
20:45  
20:55  
21:05  
21:15  
21:25  
21:35  
21:45  
21:55

9494  
9460  
9365  
9273  
9175  
9085  
8990  
8895  
8800  
8705  
8613  
8521  
8425  
8333  
8310  
8230  
8135  
8045  
7955  
7860  
7765  
7670  
7580  
7486  
7393  
7295  
7205  
7110  
7017  
6923  
6825  
6735  
6640  
6549  
6455  
6360  
6267  
6170  
6075  
5985  
5950  
5875  
5795  
5703  
5610  
5510  
5420  
5325  
5230  
5135  
5045  
4950

07/29 18:43:43: ZDIFF  
FROM DHC



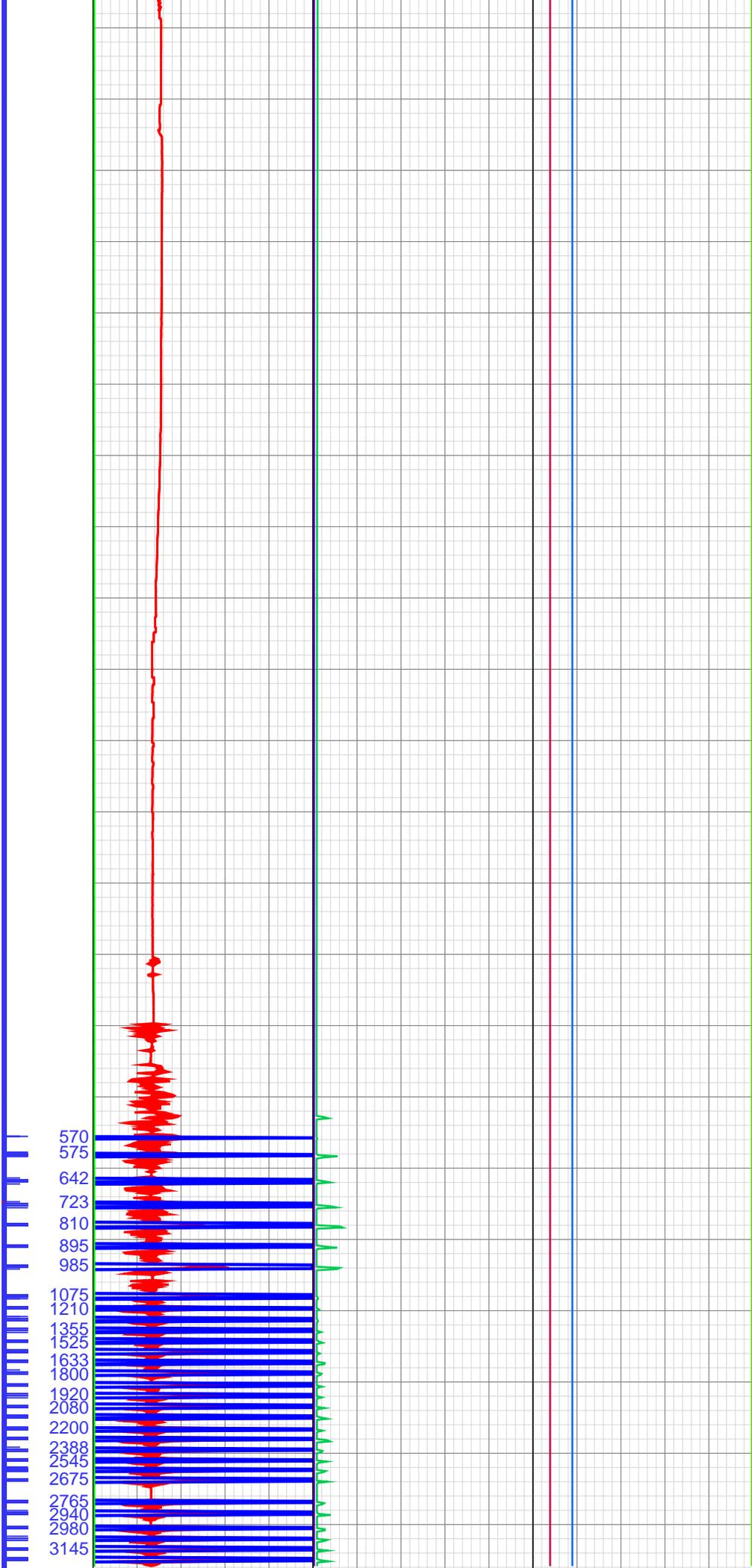


07/29 22:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

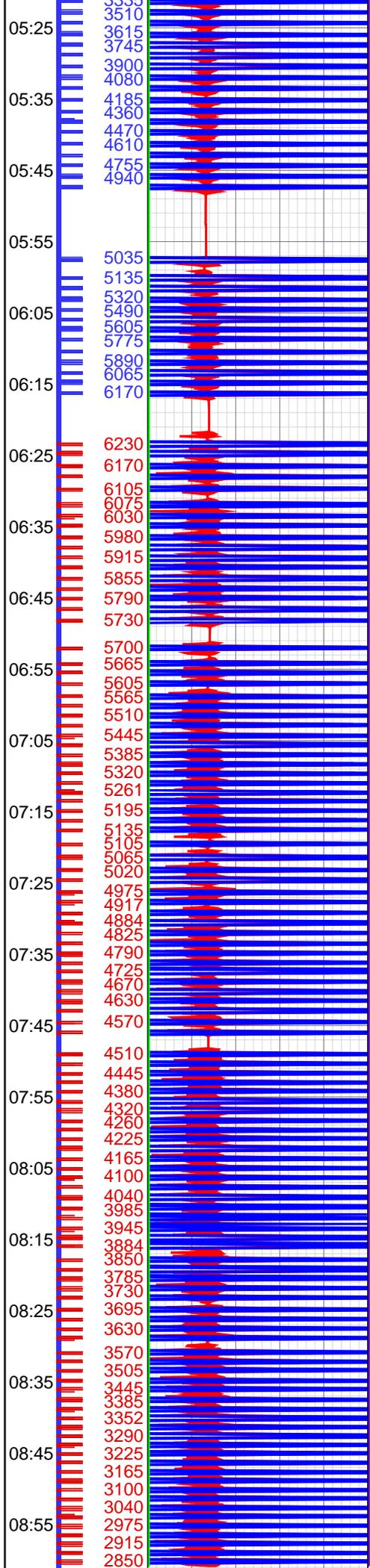
07/29 23:16:00: PULL  
ROTATING RUBBER

07/29 23:25:00: STAND  
BACK COLLARS

01:45  
01:55  
02:05  
02:15  
02:25  
02:35  
02:45  
02:55  
03:05  
03:15  
03:25  
03:35  
03:45  
03:55  
04:05  
04:15  
04:25  
04:35  
04:45  
04:55  
05:05  
05:15

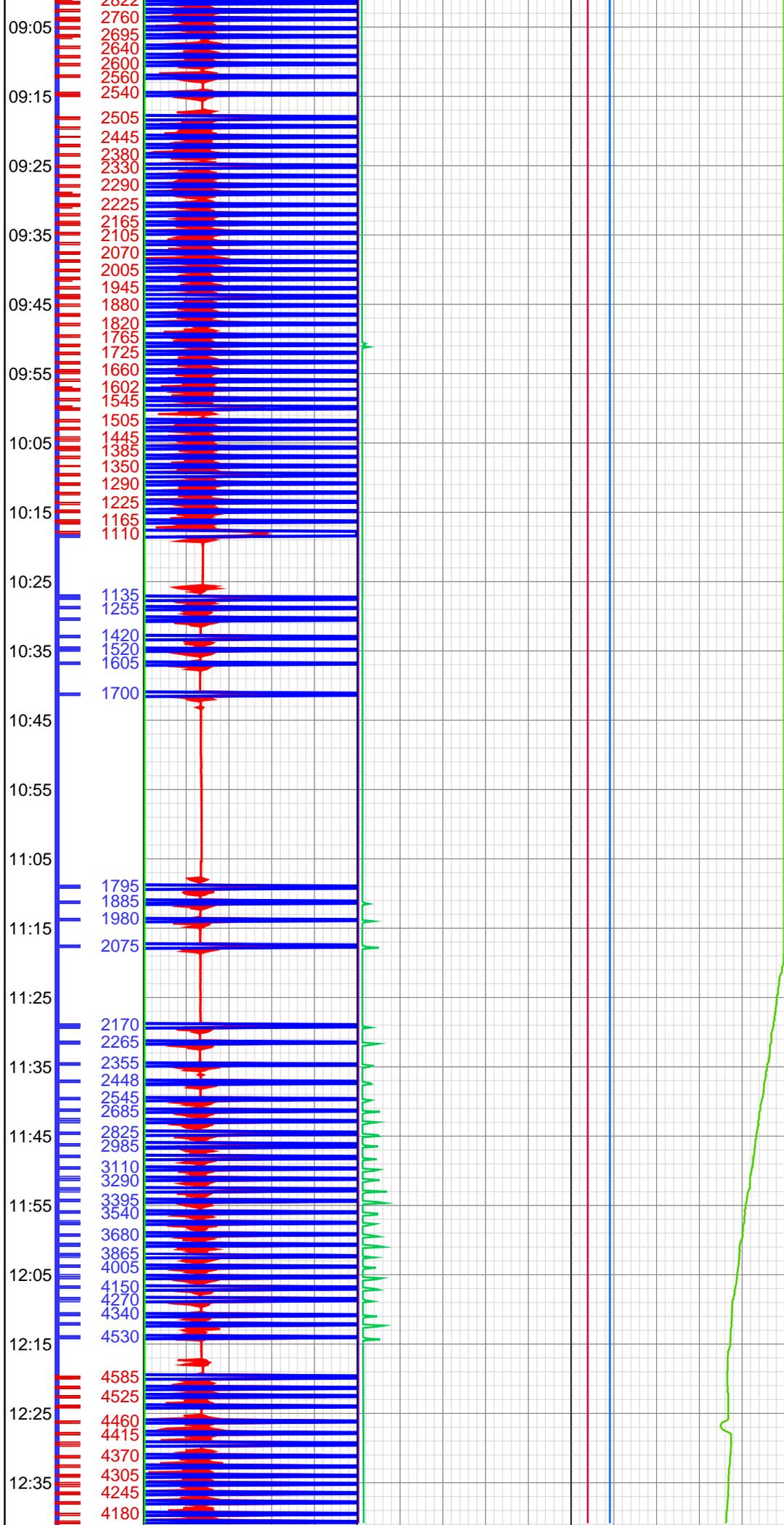


07/30 04:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available



07/30 06:18:00: P/J/S/M  
L/D D.P. SINGLES

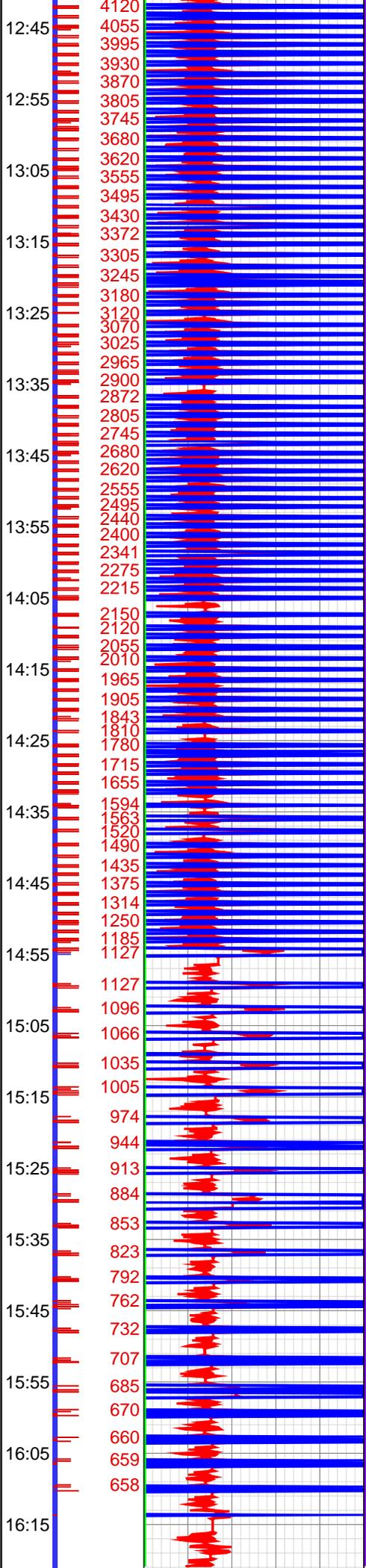
07/30 07:59:00: transferring  
out system



07/30 10:20:58:  
 RIGALARM: No PVT Rig  
 Alarm Device Available  
 07/30 10:21:00: TRIP IN  
 DRILL PIPE

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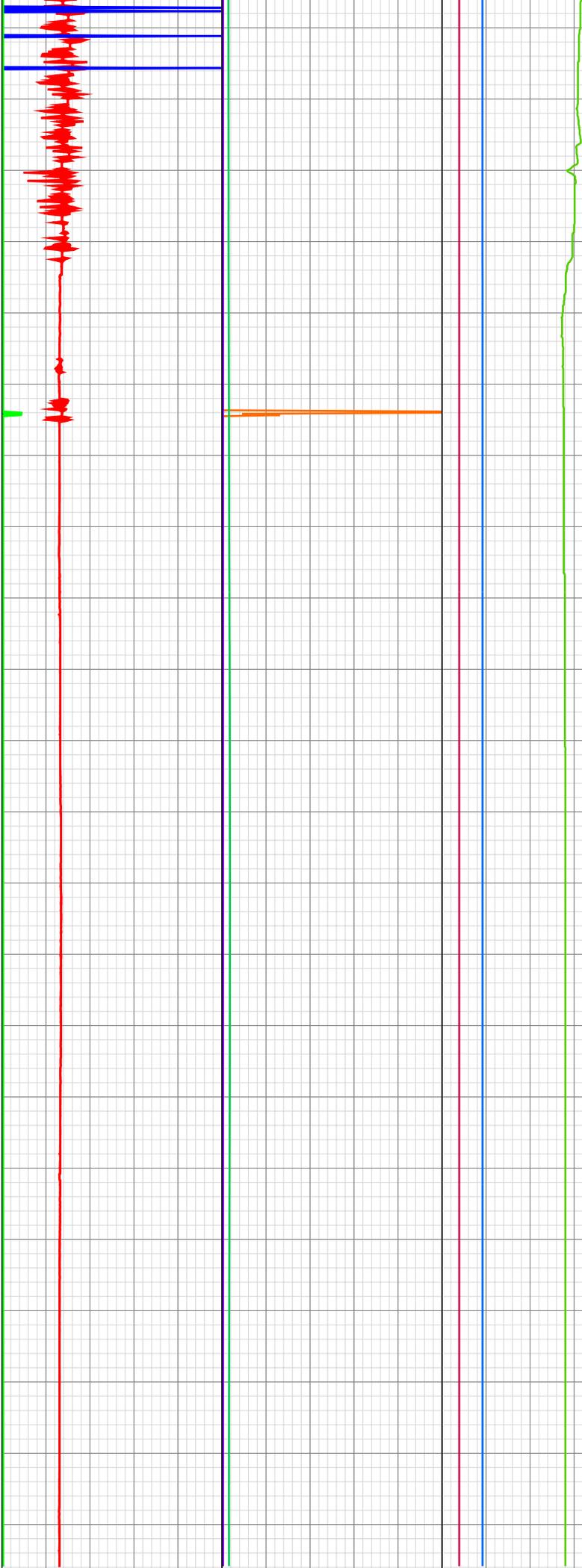


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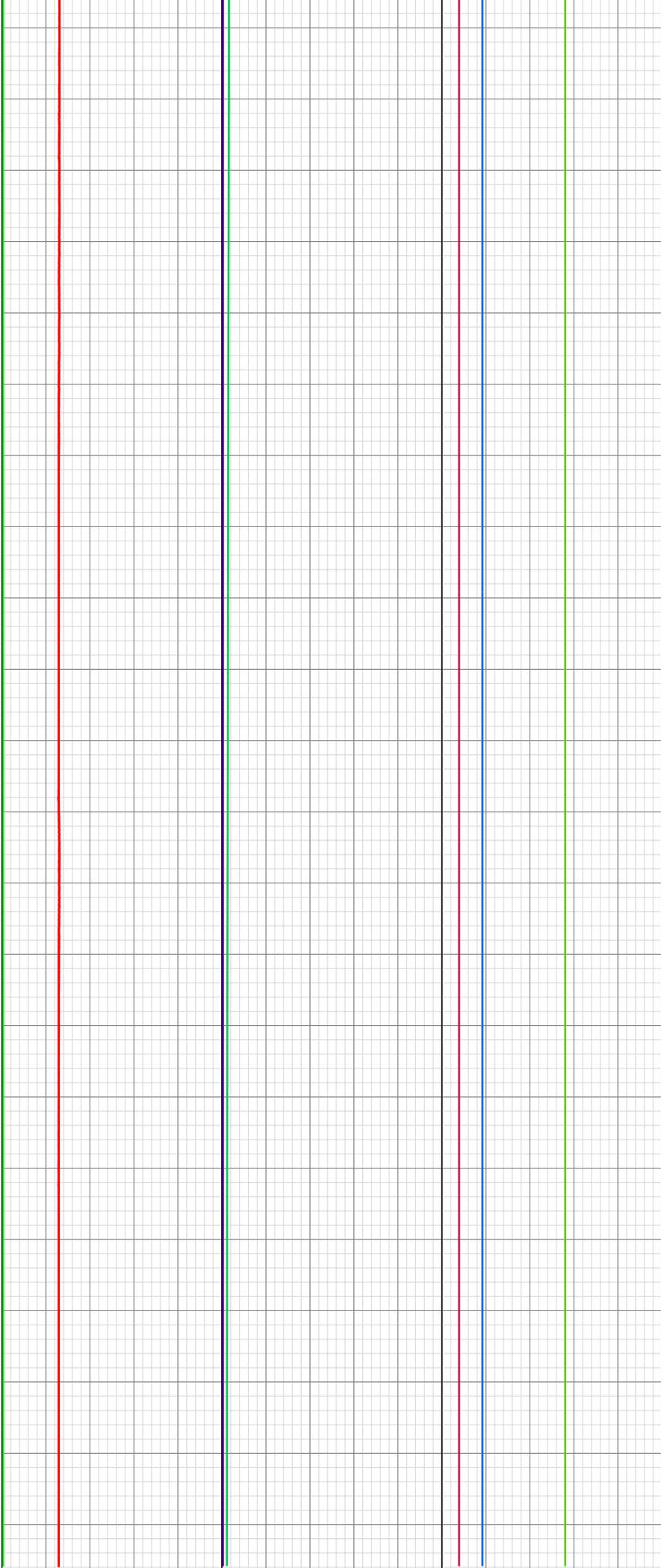
12:45  
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07/30 15:04:00: L/D D.C.

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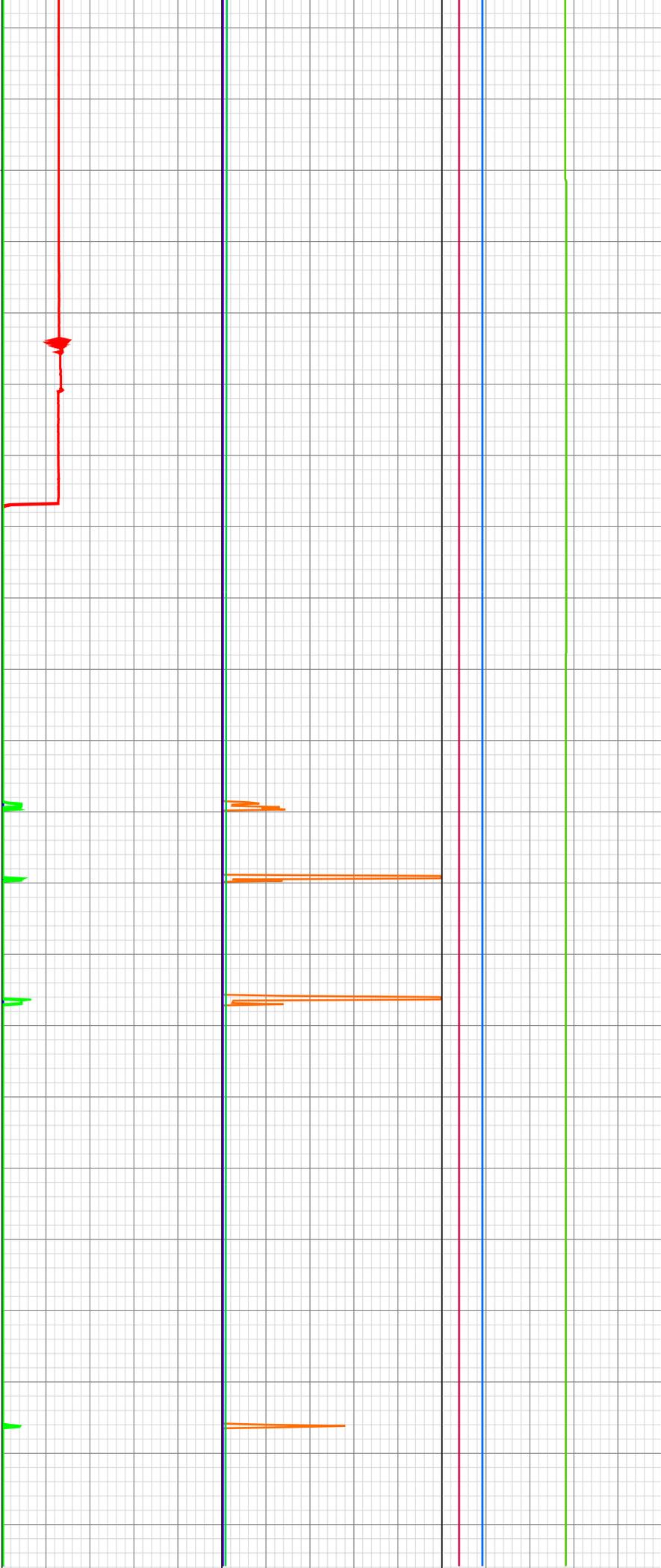


07/30 22:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available



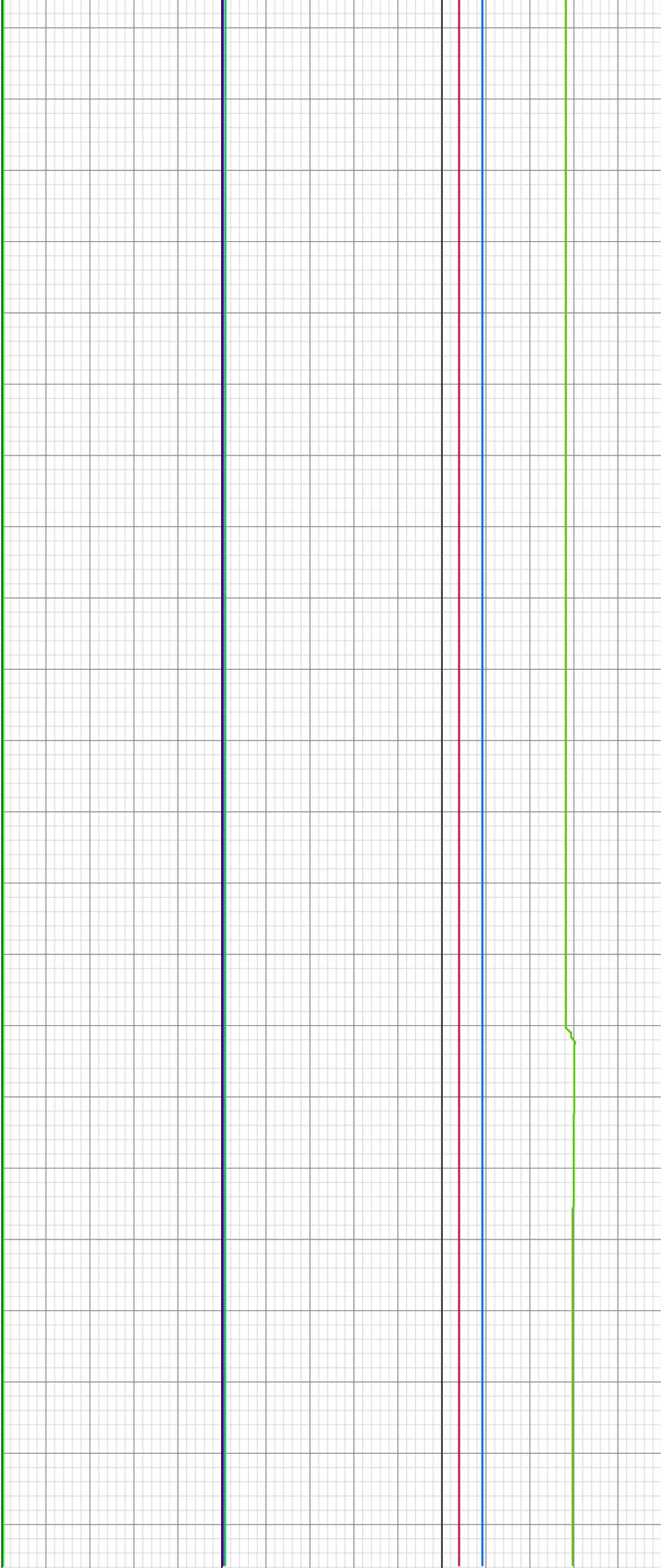
23:45  
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Jul 31, 2021



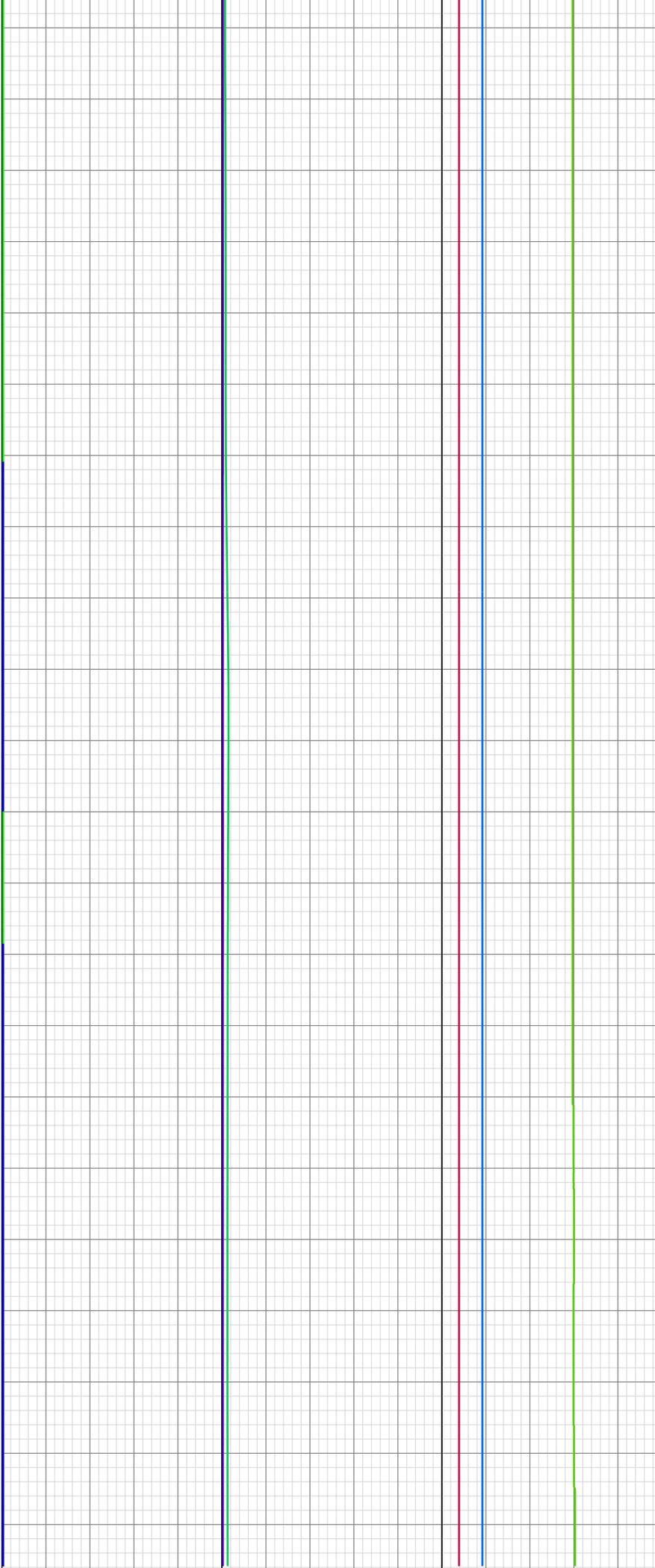
07/31 02:03:19: ZDIFF  
FROM Rig Display Drilling

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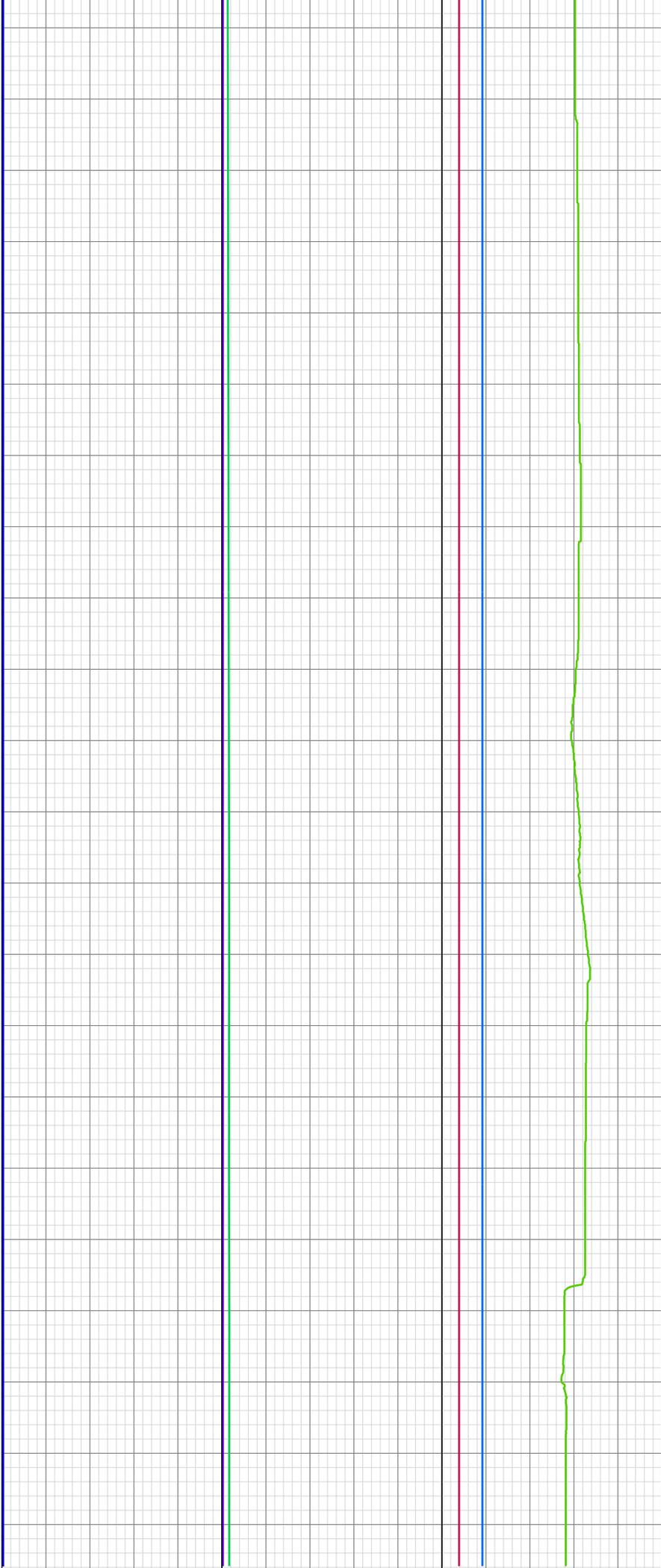
07/31 04:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

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07/31 10:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

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07/31 16:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

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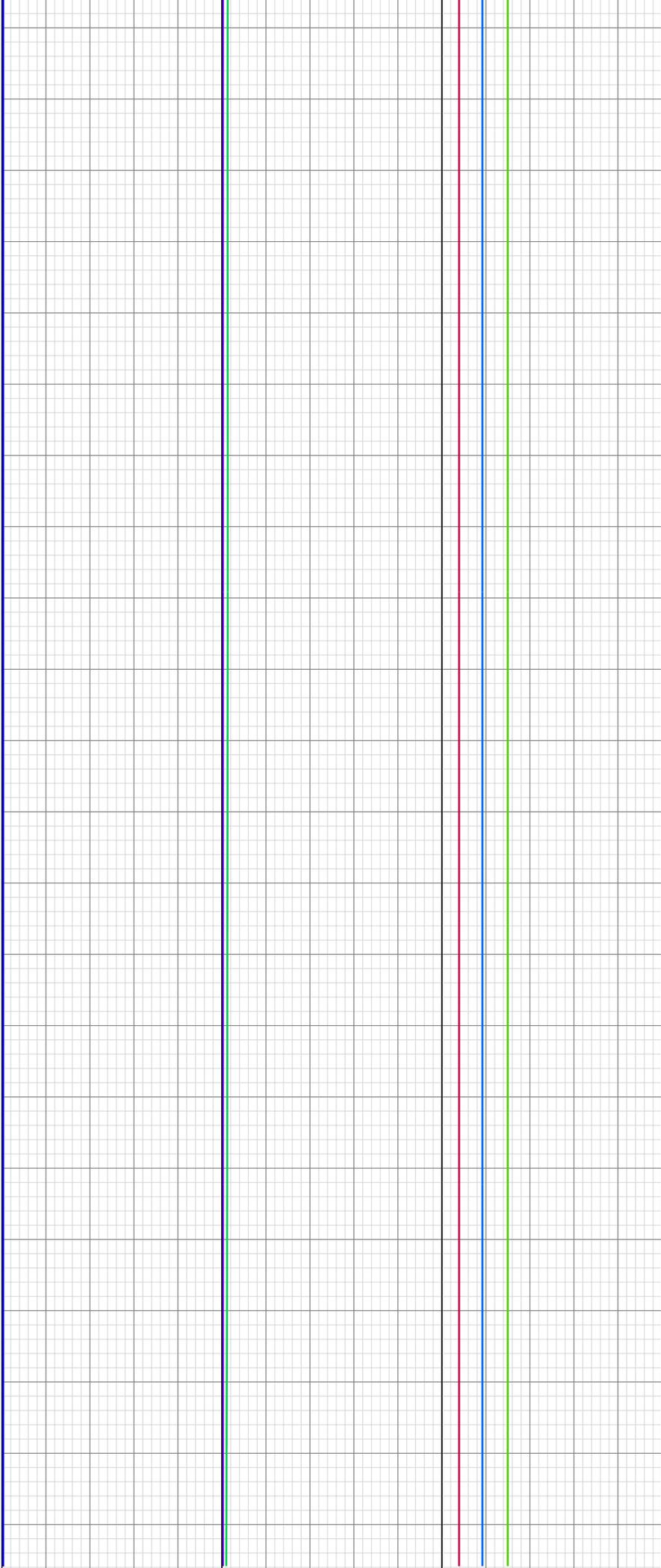
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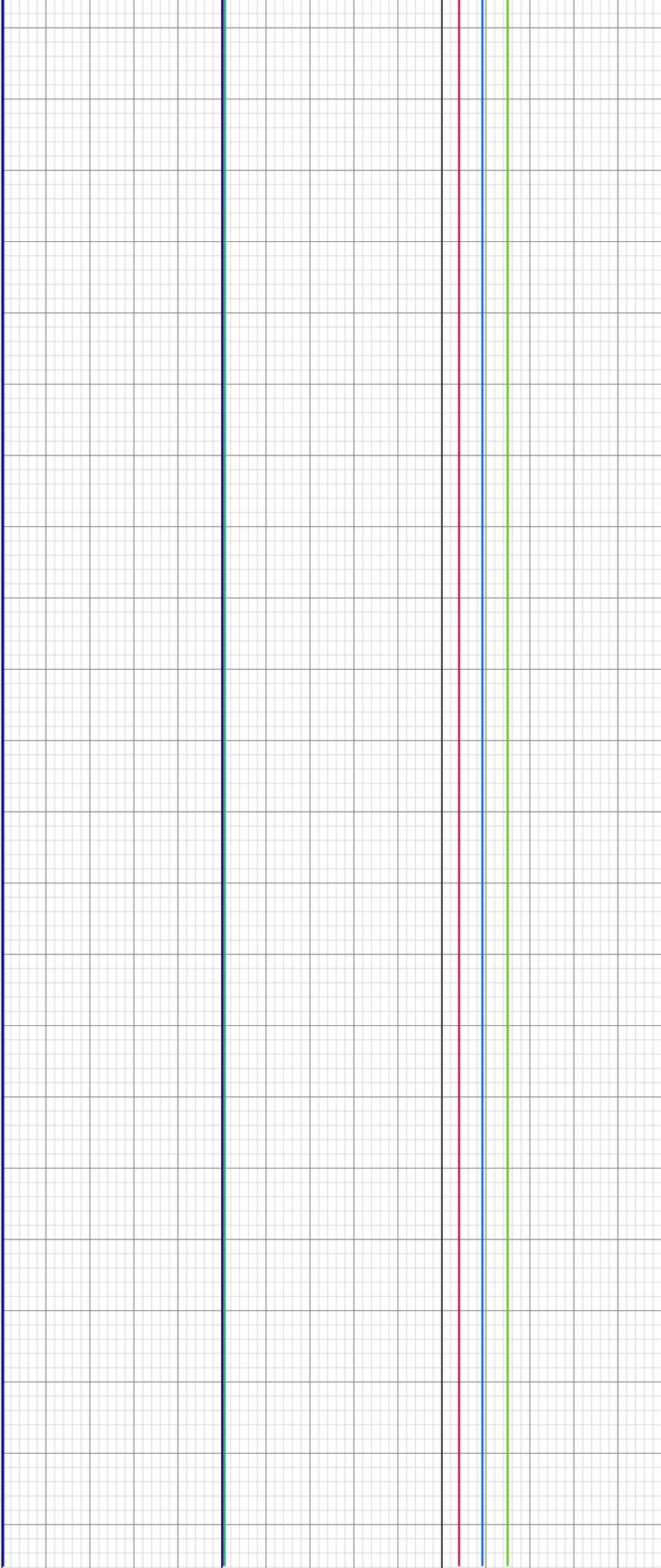


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Aug 01, 2021

07/31 22:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

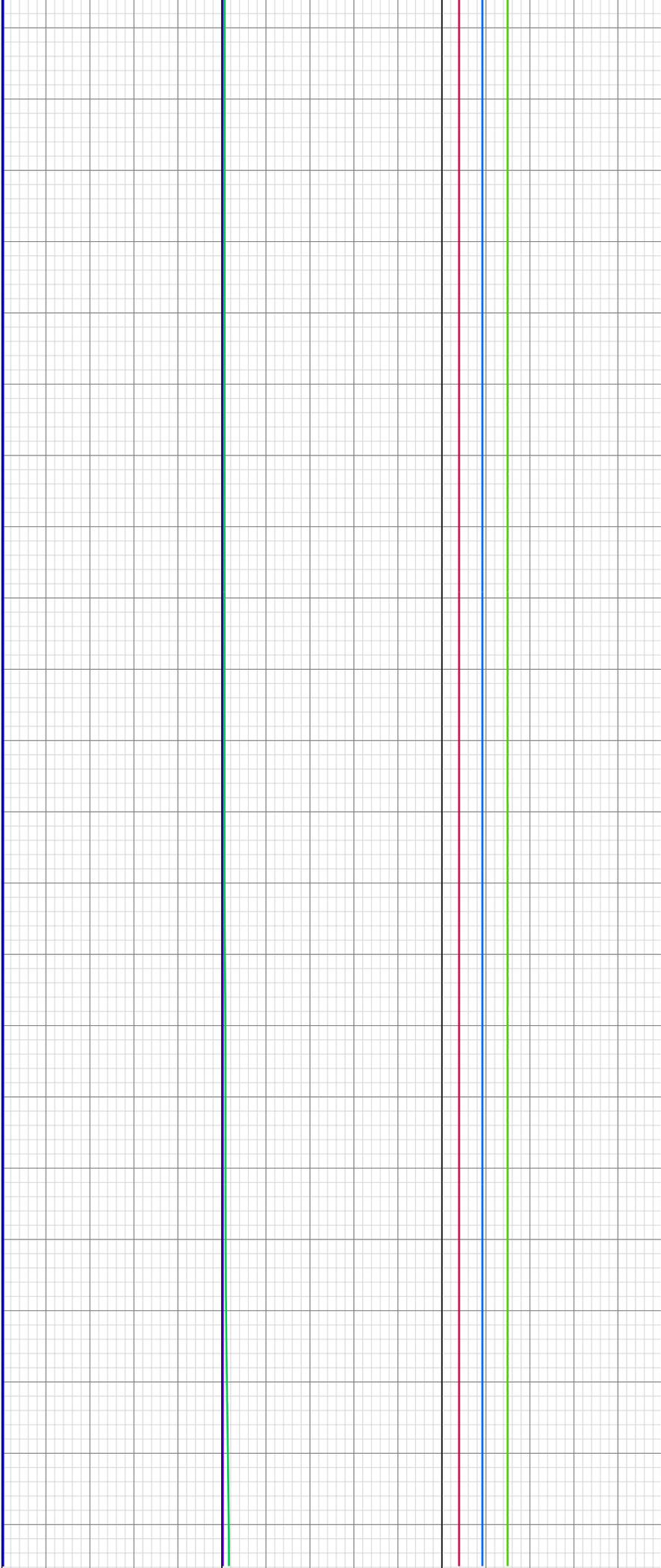
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08/01 04:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available



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08/01 10:20:58:  
RIGALARM: No PVT Rig  
Alarm Device Available

08/01 11:11:08:  
RIGALARM: PVT Rig  
Alarm Device 108 Offline

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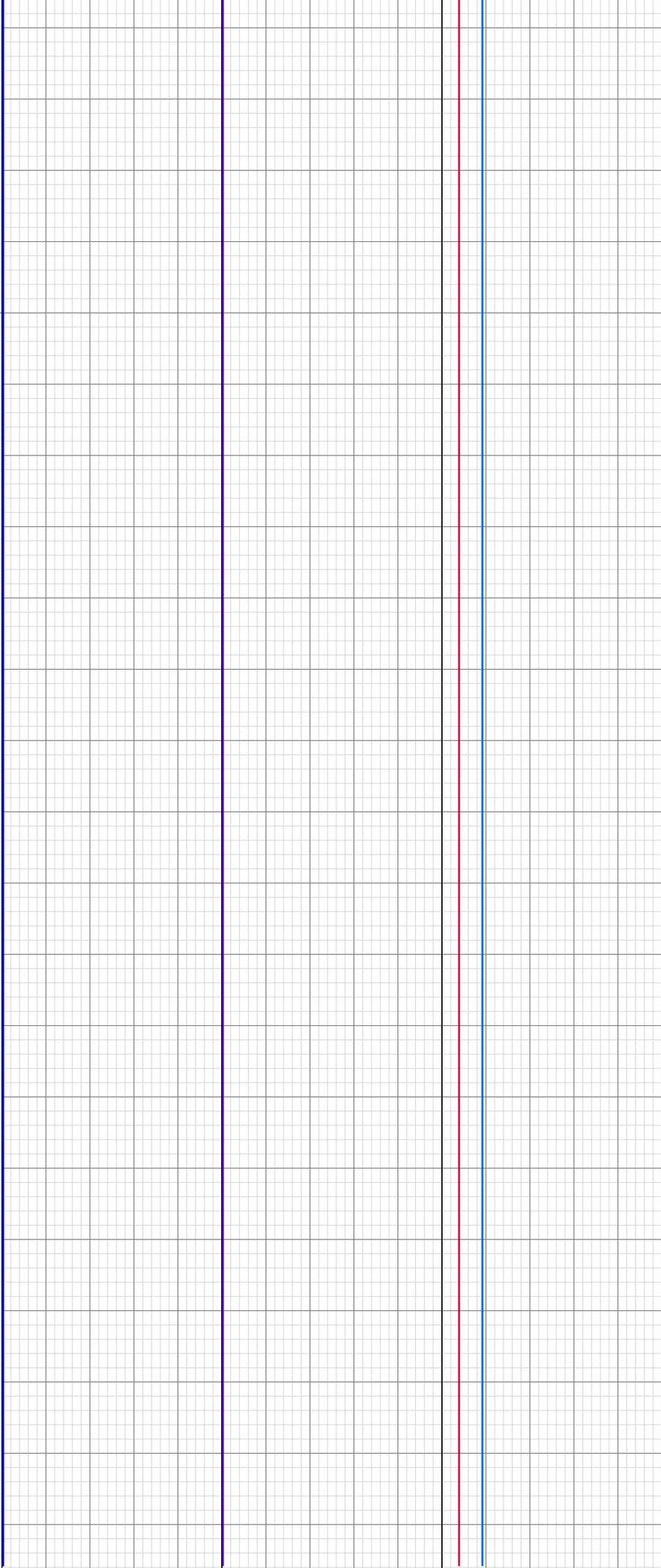
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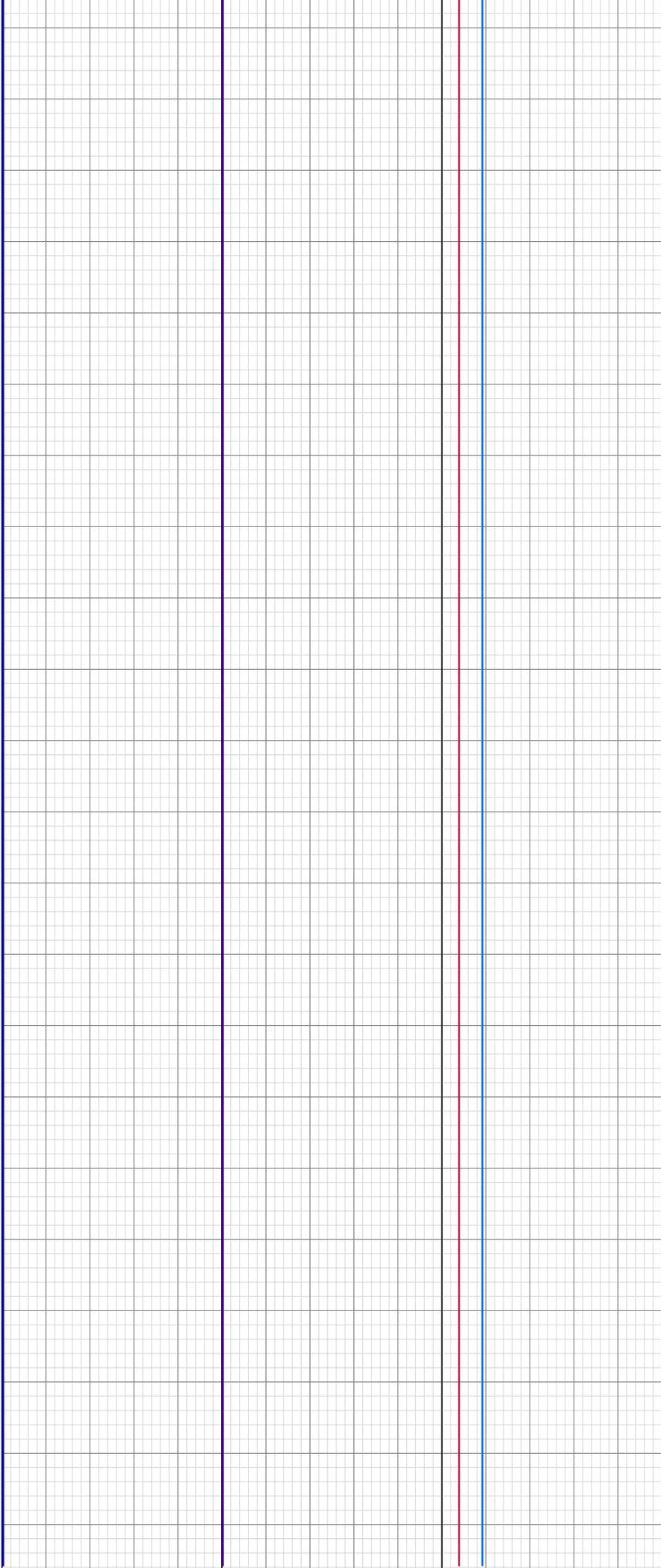
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Aug-05-2021

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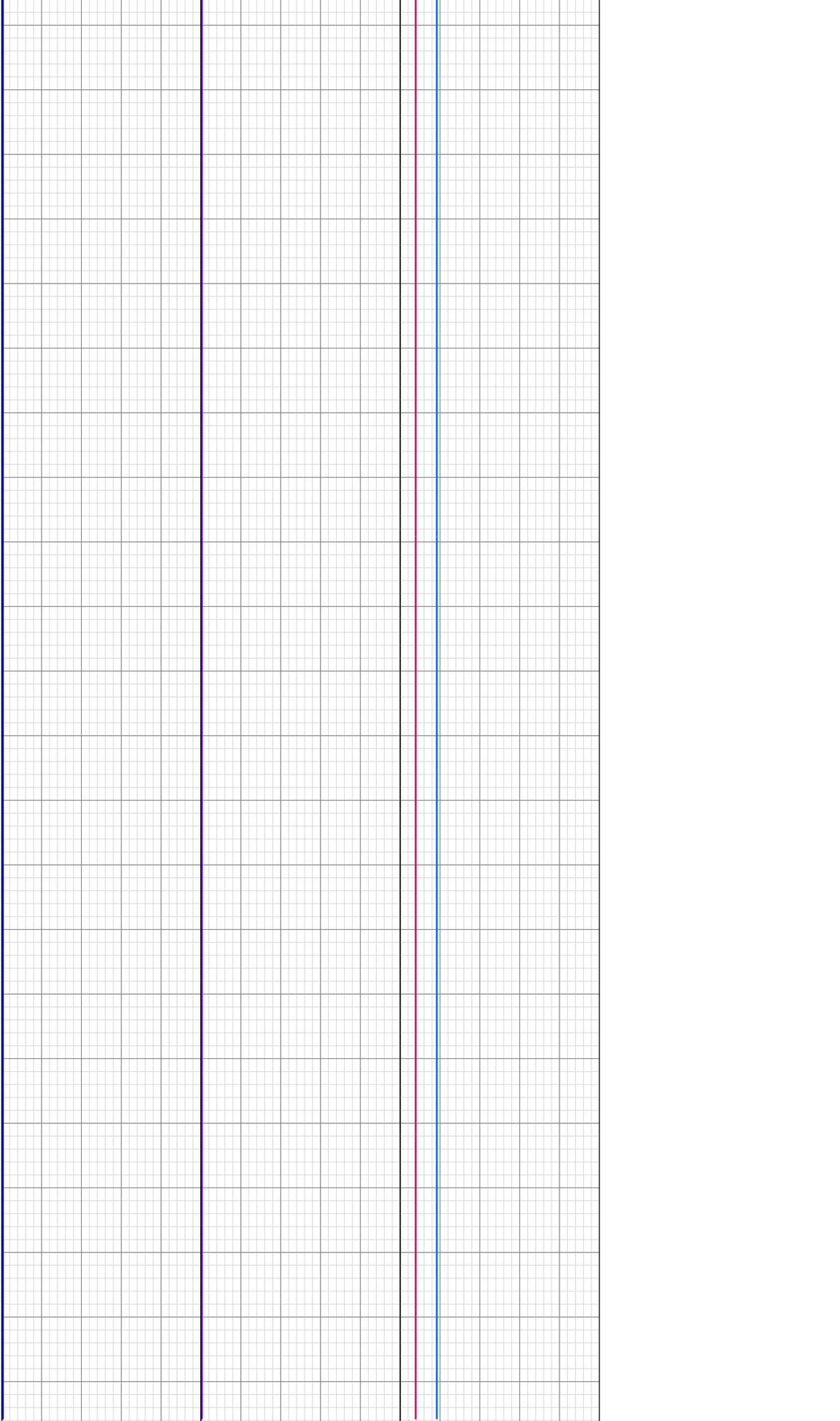
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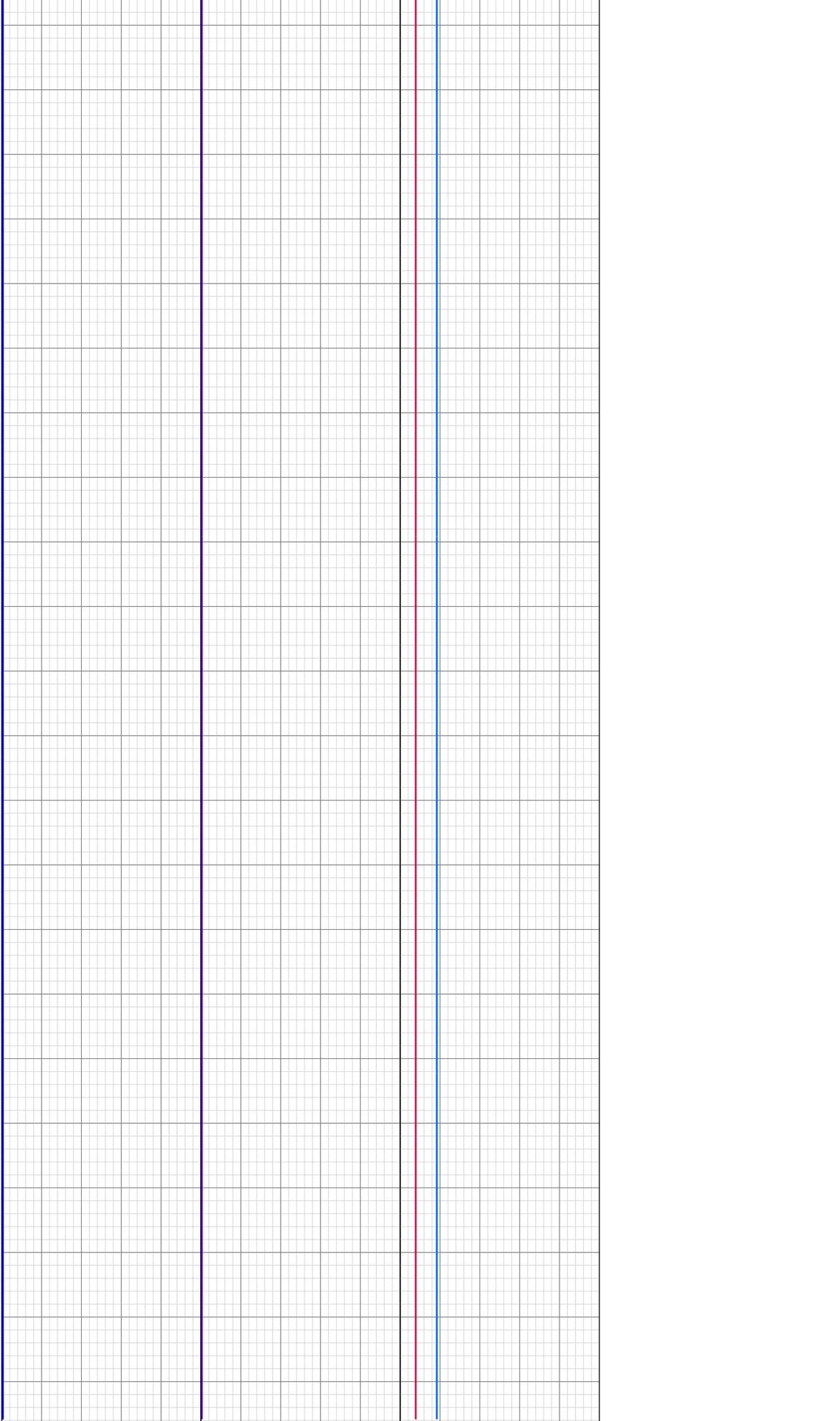
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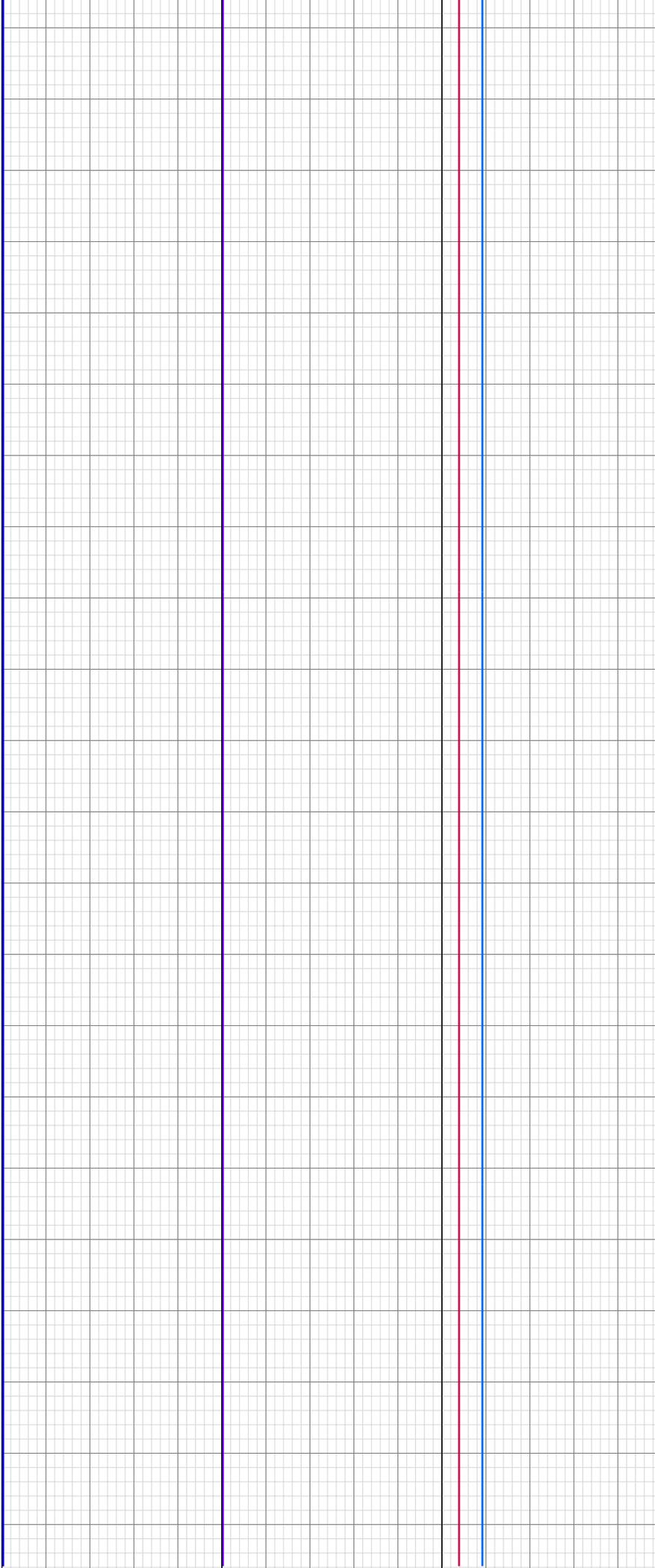
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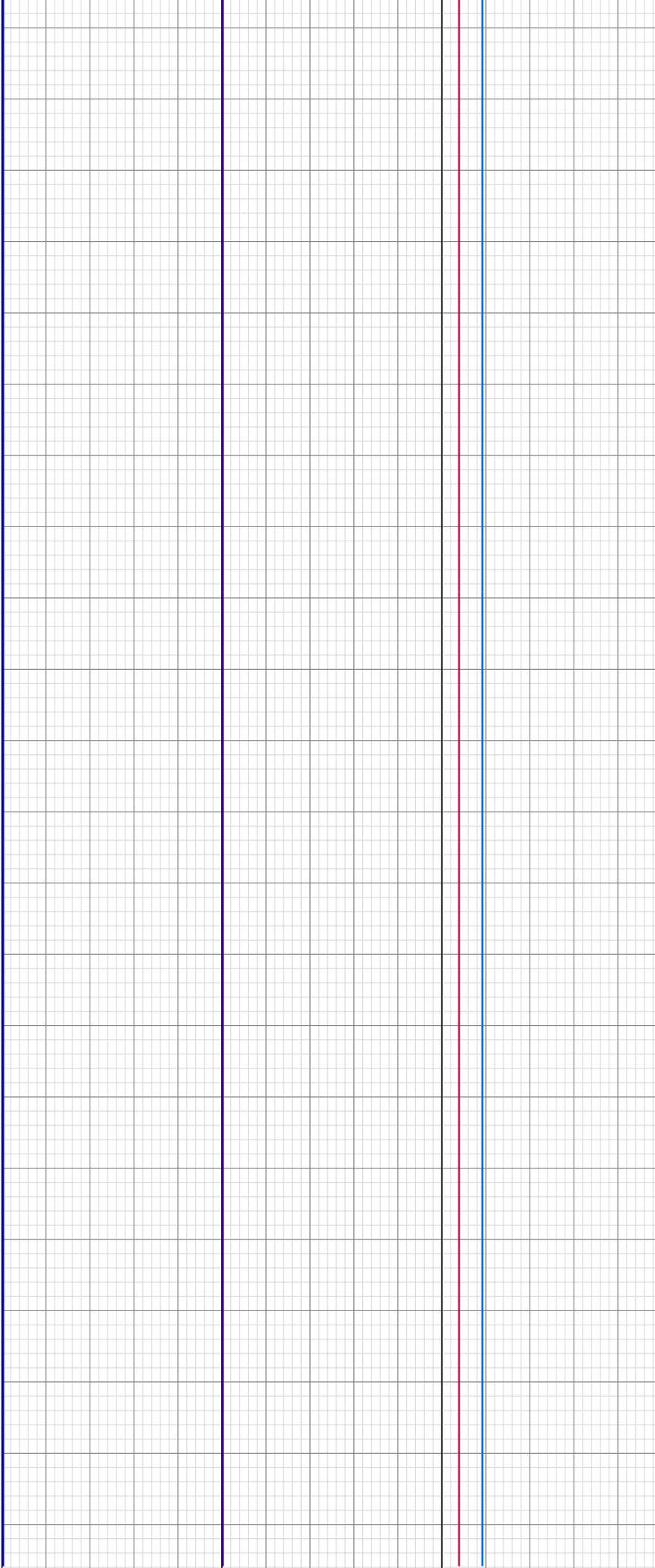
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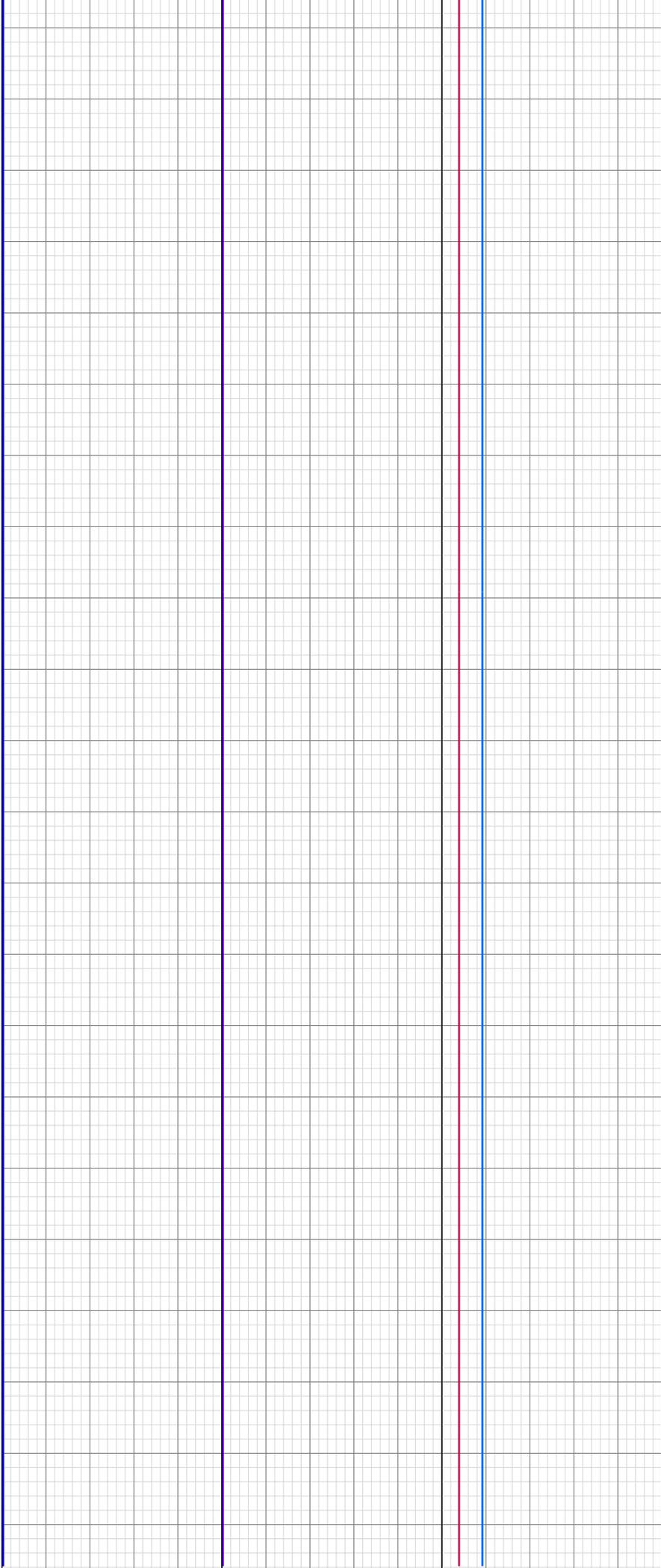
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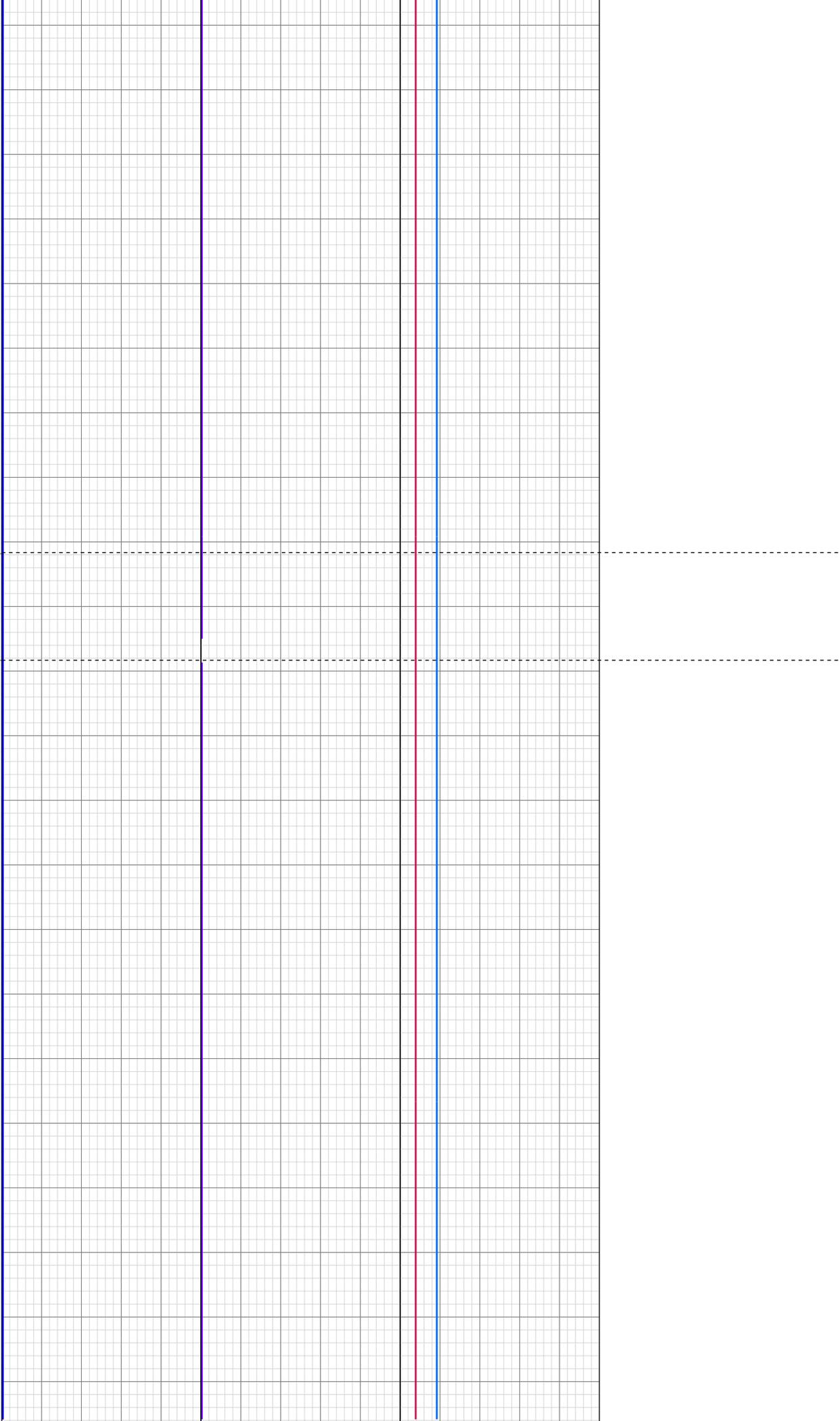
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Aug-07-2021

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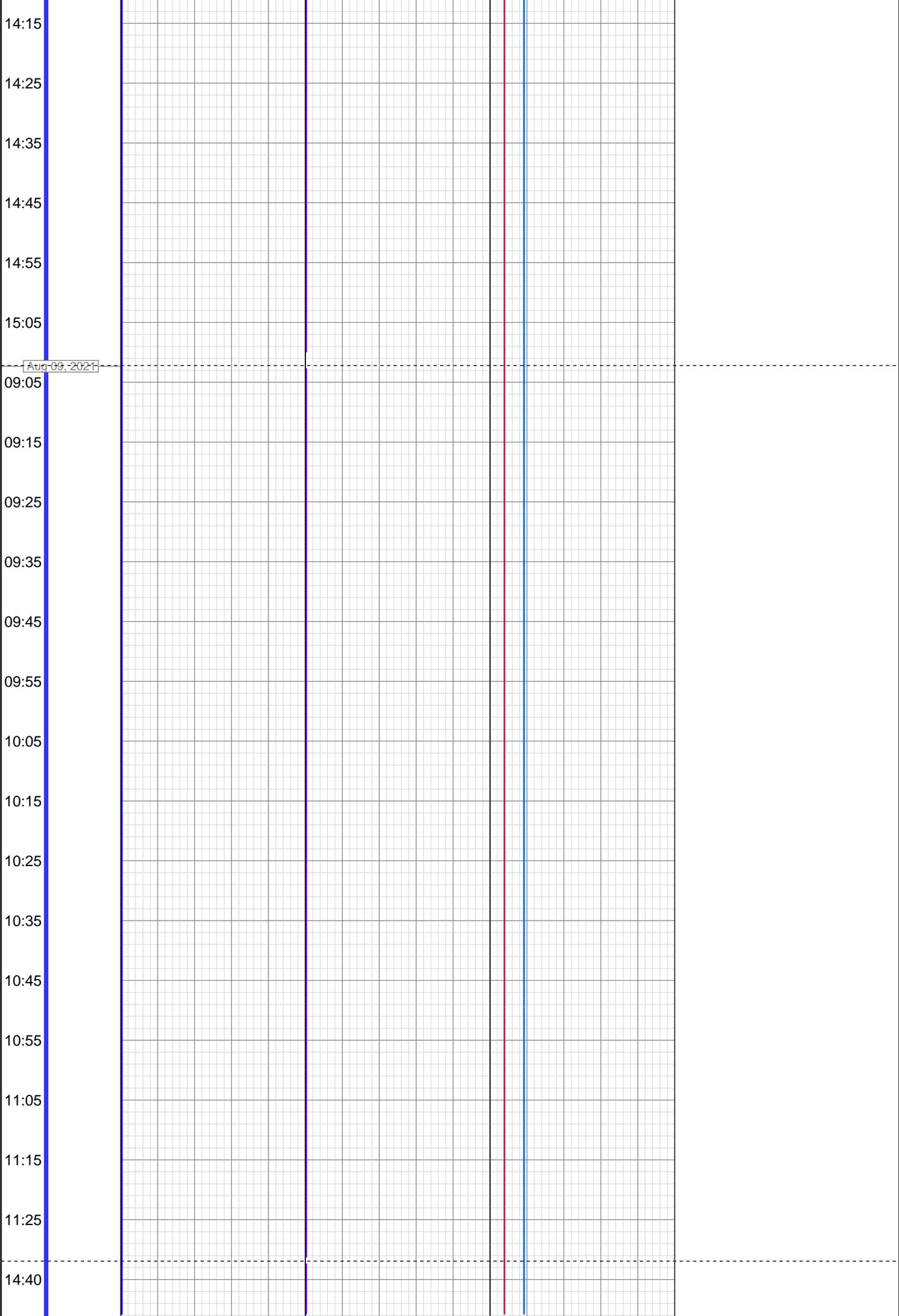
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Aug-09-2021



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08/09 15:39:42: Smart Alarms: Off

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Aug 10, 2021

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10/27 14:02:32: Smart  
Alarms: Off

