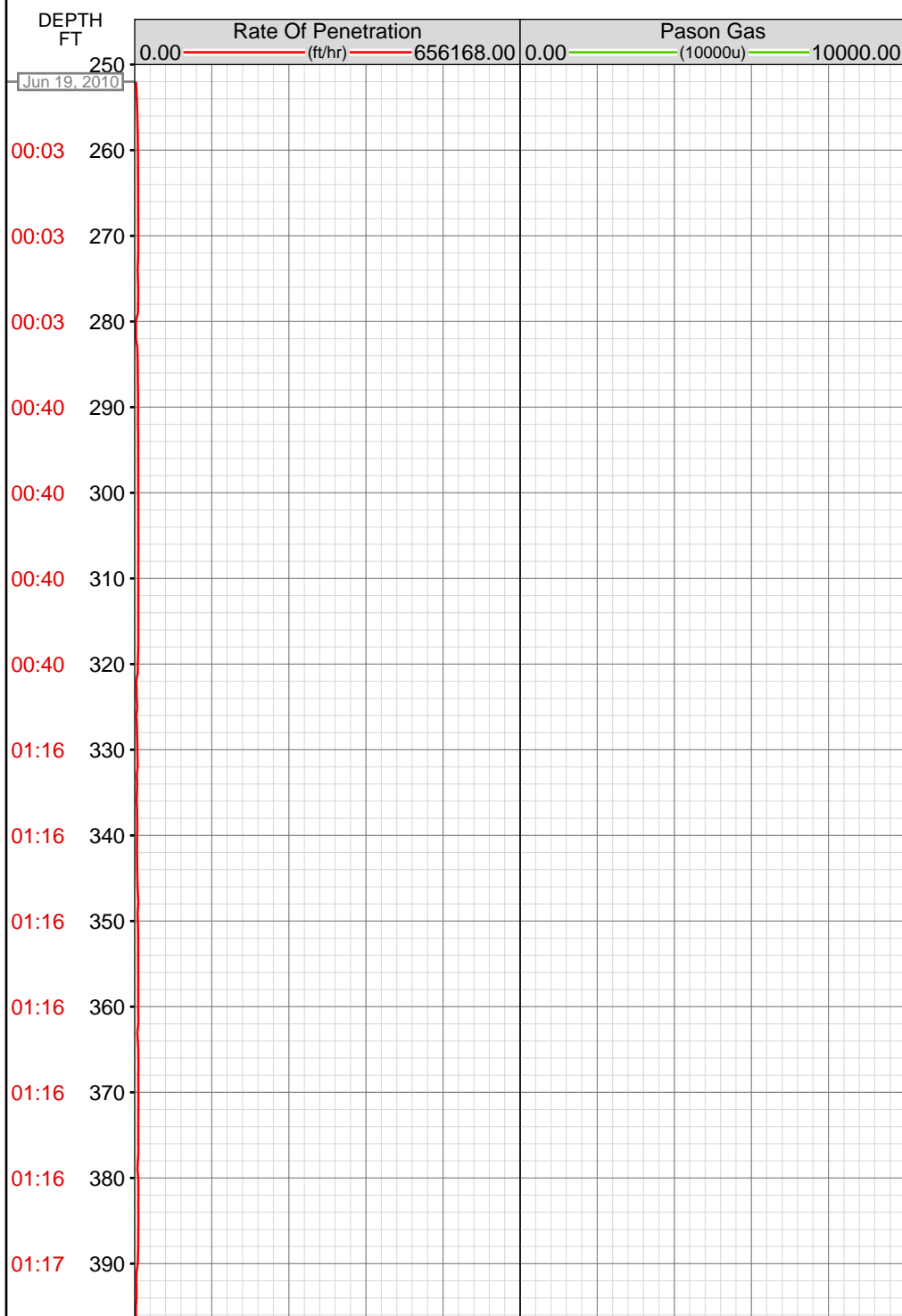


DataHub EDR Log

Mon Jun 28, 2010 08:28:37
Well Dossier 1276863604
Marilyn Tucker

OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: NPWF 14C-22 K22 596
FIELD:
LOCATION: NESW SEC:22 TWP:5S RNG:96W MER:6T
COUNTRY: USA
RIG: Pat-UTI 303

CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 050451888400
SPUD DATE: Jun 19, 2010 04:30
RELEASE DATE: Jun 24, 2010 02:30



MEMOS

01:25	400
01:25	410
01:25	420
01:37	430
01:37	440
01:37	450
01:37	460
01:37	470
01:38	480
01:38	490
01:38	500
01:38	510
01:38	520
01:38	530
01:38	540
01:39	550
01:39	560
01:40	570
01:40	580
01:41	590
01:41	600
01:41	610

424.00imperial: BIT DEPTH CHANGED TO 105.0
FEET

01:41 620

01:41 630

01:41 640

01:41 650

01:51 660

01:51 670

02:09 750

02:10 760

02:13 840

02:13 850

02:13 860

02:13 870

02:13 880

02:13 890

02:13 900

02:13 910

02:13 920

02:15 930

02:15 940

02:15 950

02:15 960

02:15 970

658.11imperial: INSTALL ROT RUBBER

754.00imperial: IN TALLY: HOLE DEPTH SET TO
748.5

02:15 980

02:15 990

02:15 1000

02:15 1010

02:15 1020

02:17 1030

02:17 1040

02:17 1050

02:17 1060

02:17 1070

02:17 1080

02:17 1090

02:17 1100

02:18 1110

02:19 1120

02:19 1130

02:19 1140

02:19 1150

02:19 1160

02:19 1170

02:19 1180

02:19 1190

02:19 1200

02:21 1210

02:21 1220

02:21 1230

02:21 1240

02:21 1250

02:21 1260

02:21 1270

02:21 1280

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02:23 1350

02:23 1360

02:23 1370

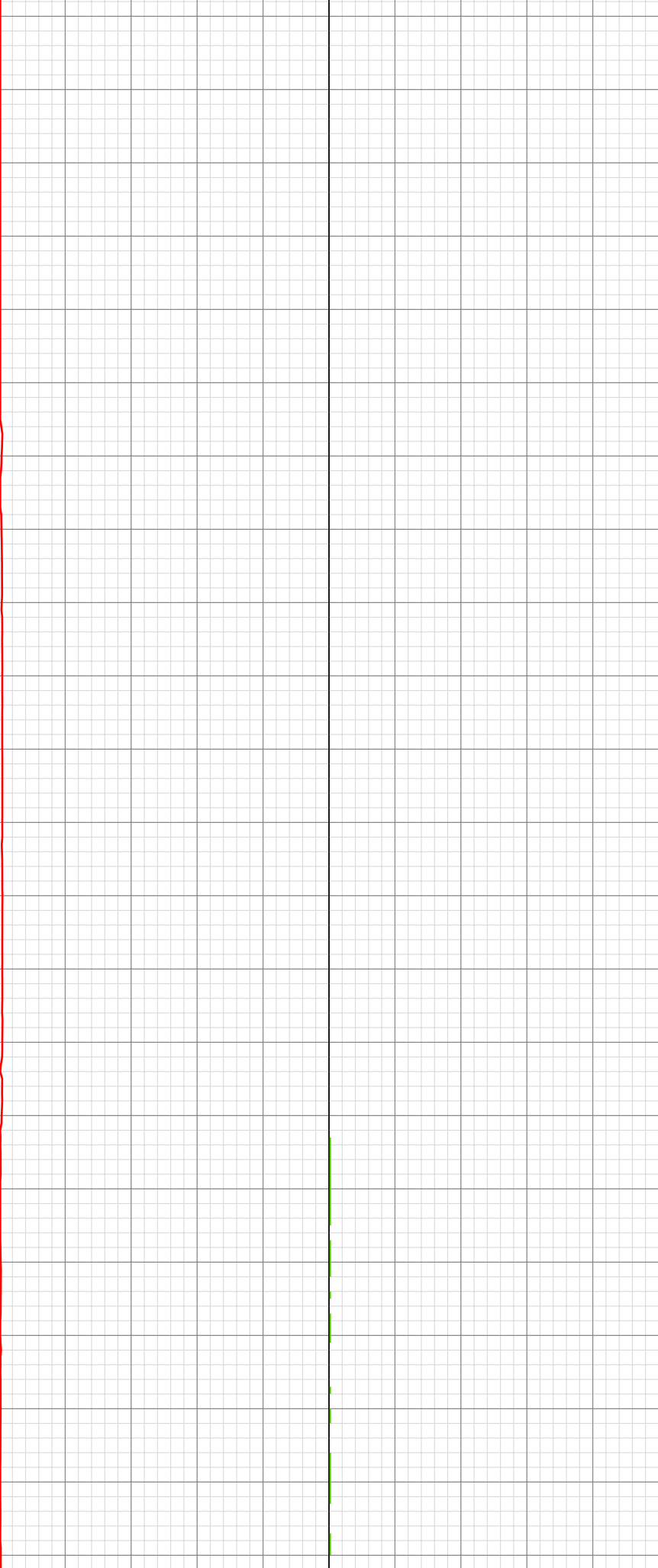
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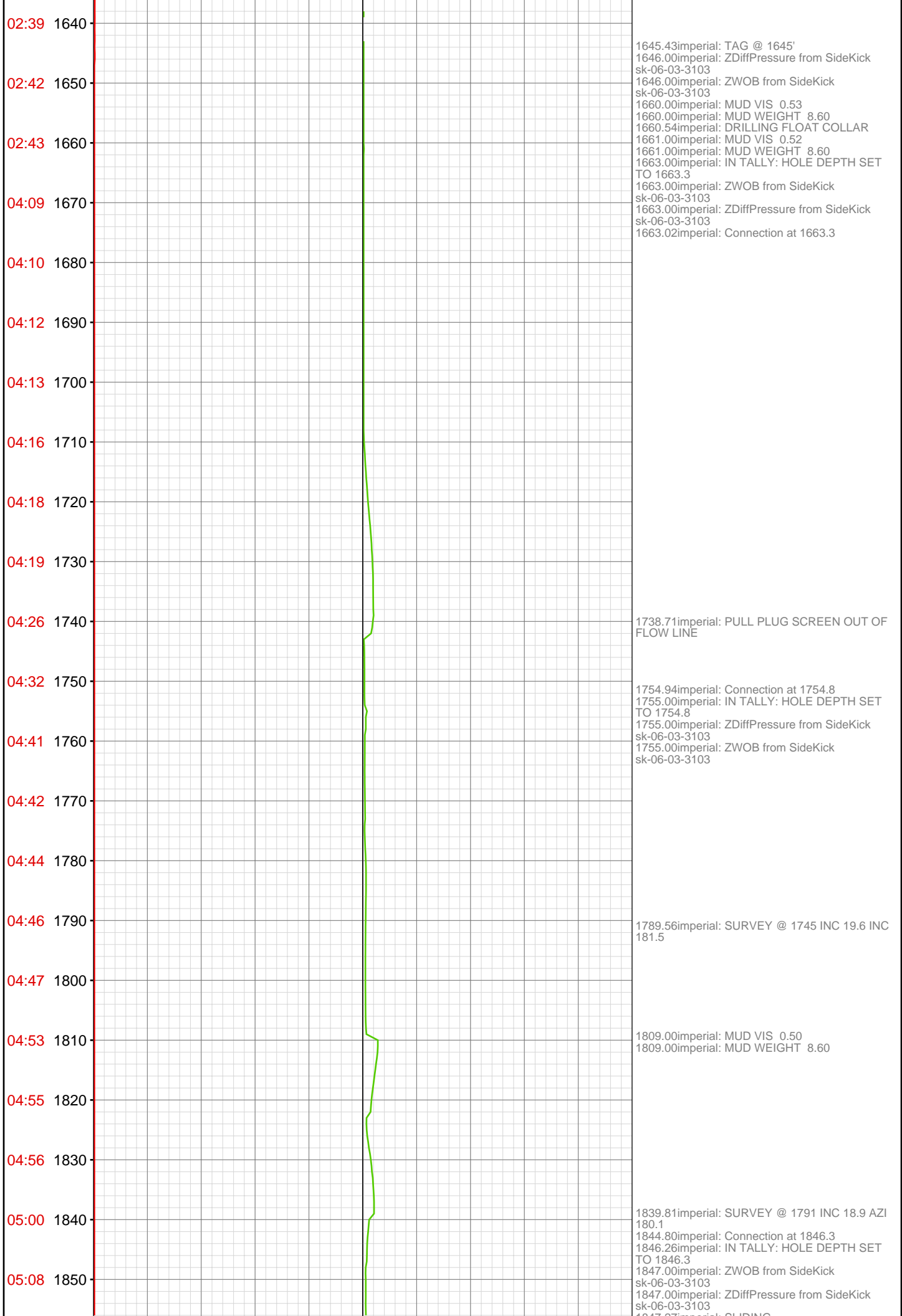
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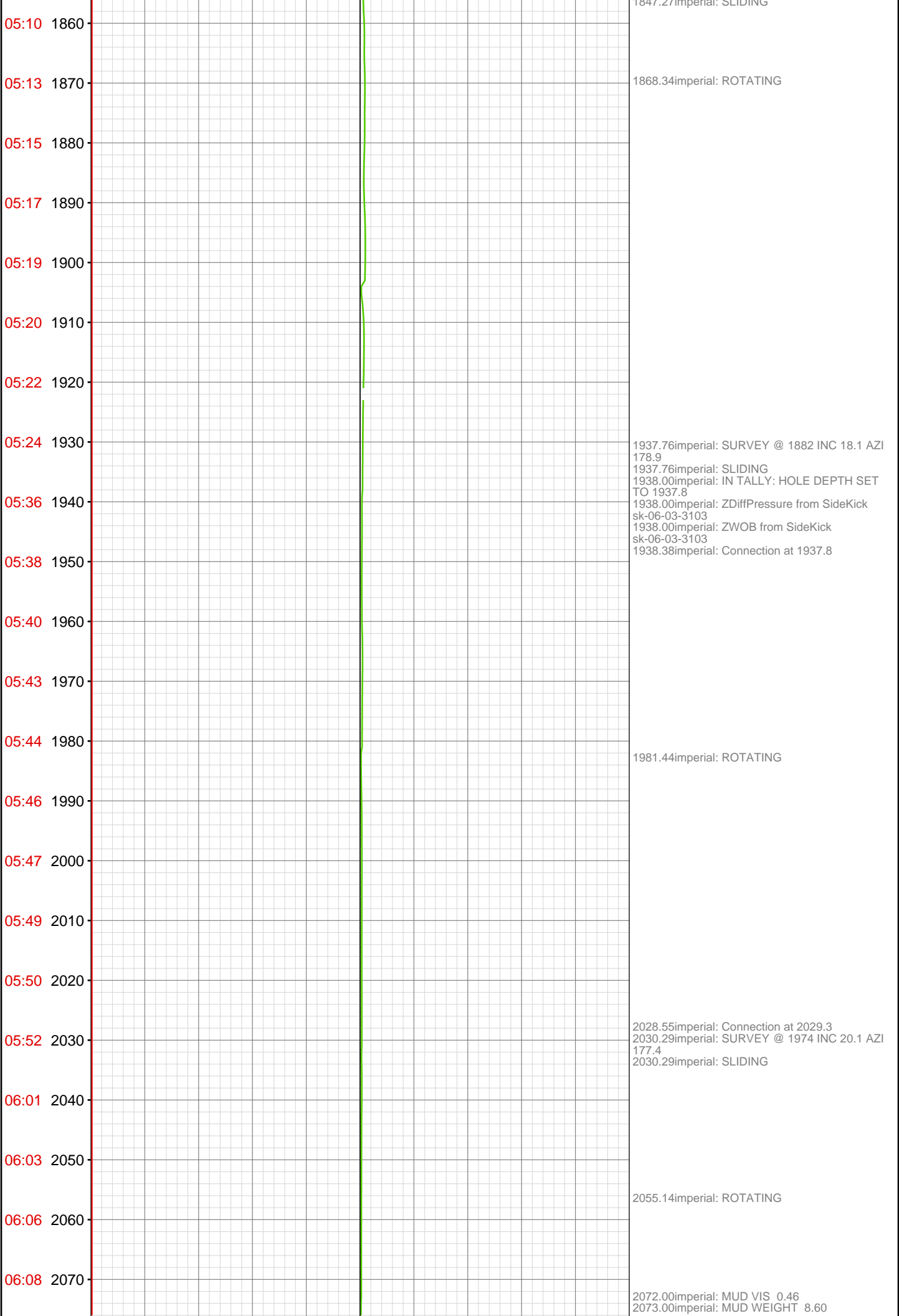
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02:27 1500
02:28 1510
02:28 1520
02:28 1530
02:28 1540
02:28 1550
02:28 1560
02:28 1570
02:37 1580
02:37 1590
02:37 1600
02:38 1610
02:38 1620
02:38 1630



1574.70imperial: FILL PIPE
1578.00imperial: IN TALLY: HOLE DEPTH SET
TO 1571.9





06:09 2080

06:11 2090

06:12 2100

06:14 2110

06:16 2120

06:24 2130

06:27 2140

06:29 2150

06:31 2160

06:33 2170

06:34 2180

06:36 2190

06:38 2200

06:40 2210

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06:58 2270

07:00 2280

07:02 2290

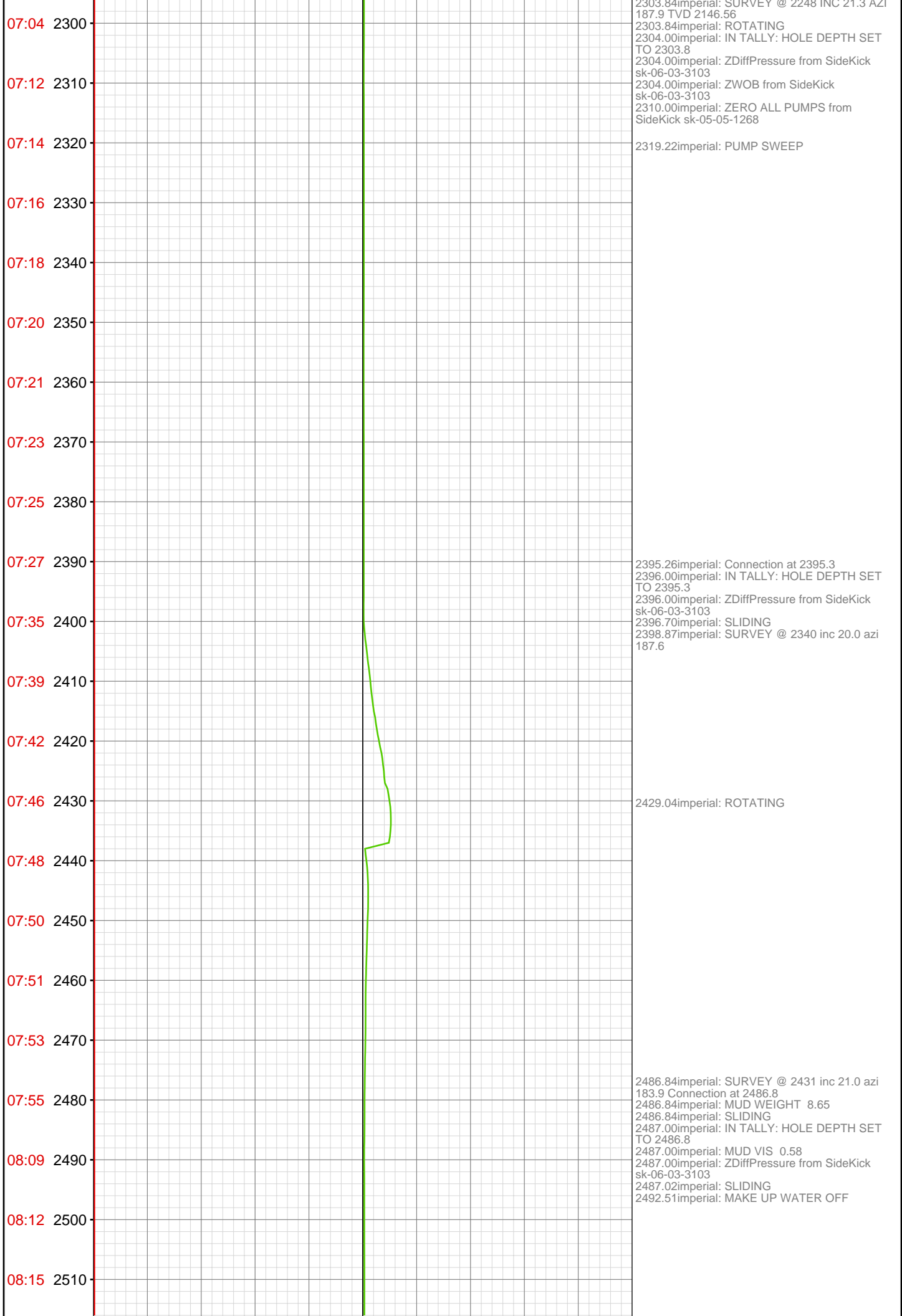
2120.00imperial: IN TALLY: HOLE DEPTH SET TO 2120.8
2120.00imperial: ZDiffPressure from SideKick sk-06-03-3103
2120.00imperial: ZWOB from SideKick sk-06-03-3103
2120.82imperial: SET C.O.M
2120.82imperial: SURVEY @ 2065 INC 20.8 AZI 183.2 SLIDING
2120.95imperial: Connection at 2120.8

2147.35imperial: ROTATING

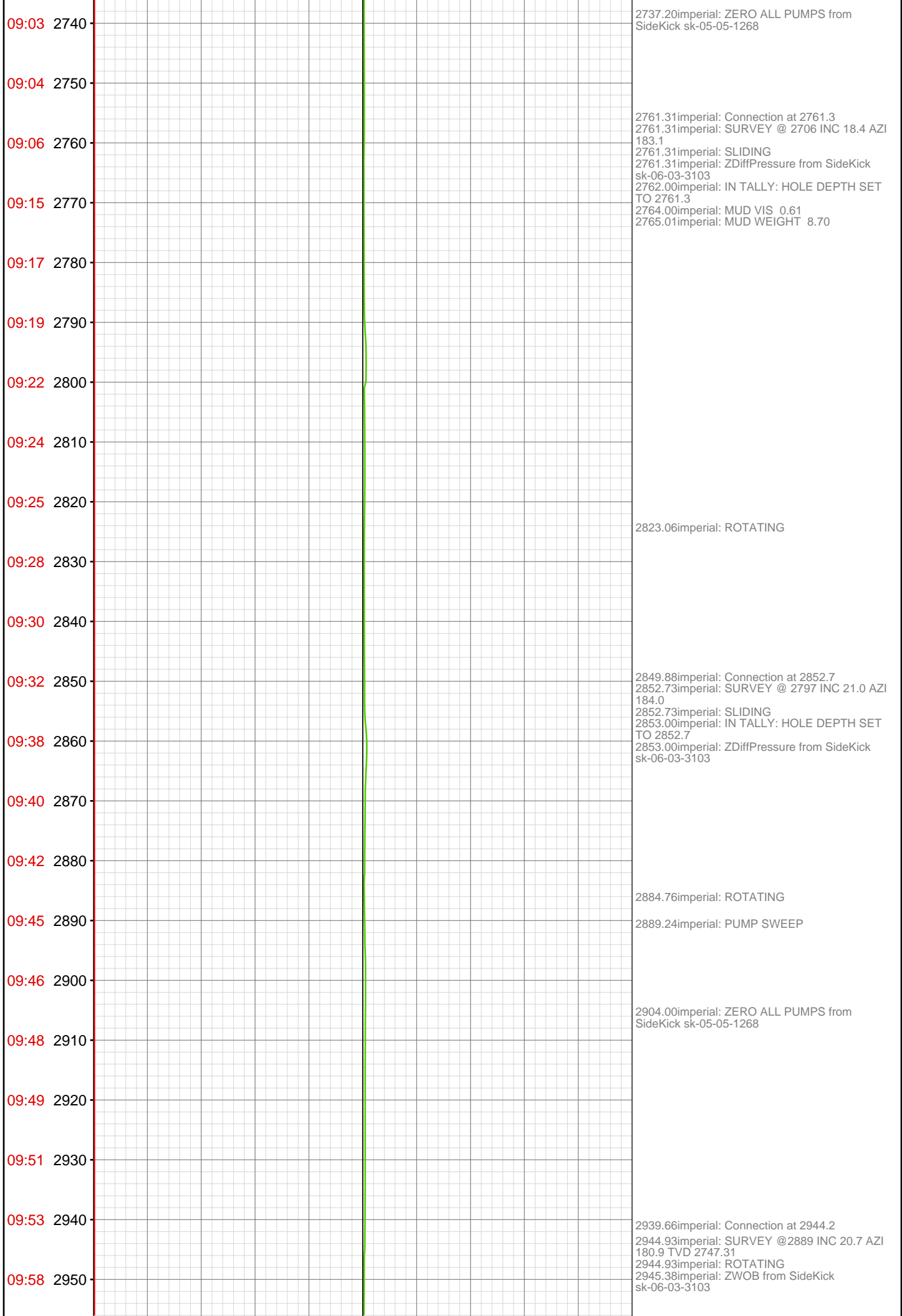
2158.00imperial: ZERO ALL PUMPS from SideKick sk-05-05-1268
2163.02imperial: PUMP SWEEP

2212.37imperial: SURVEY @ 2157 INC 21.8 AZI 187.4 TVD 2061.92
2213.00imperial: IN TALLY: HOLE DEPTH SET TO 2212.4
2213.00imperial: ZWOB from SideKick sk-06-03-3103
2213.00imperial: ZDiffPressure from SideKick sk-06-03-3103
2213.58imperial: ROTATING Connection at 2212.4

2303.84imperial: Connection at 2303.8

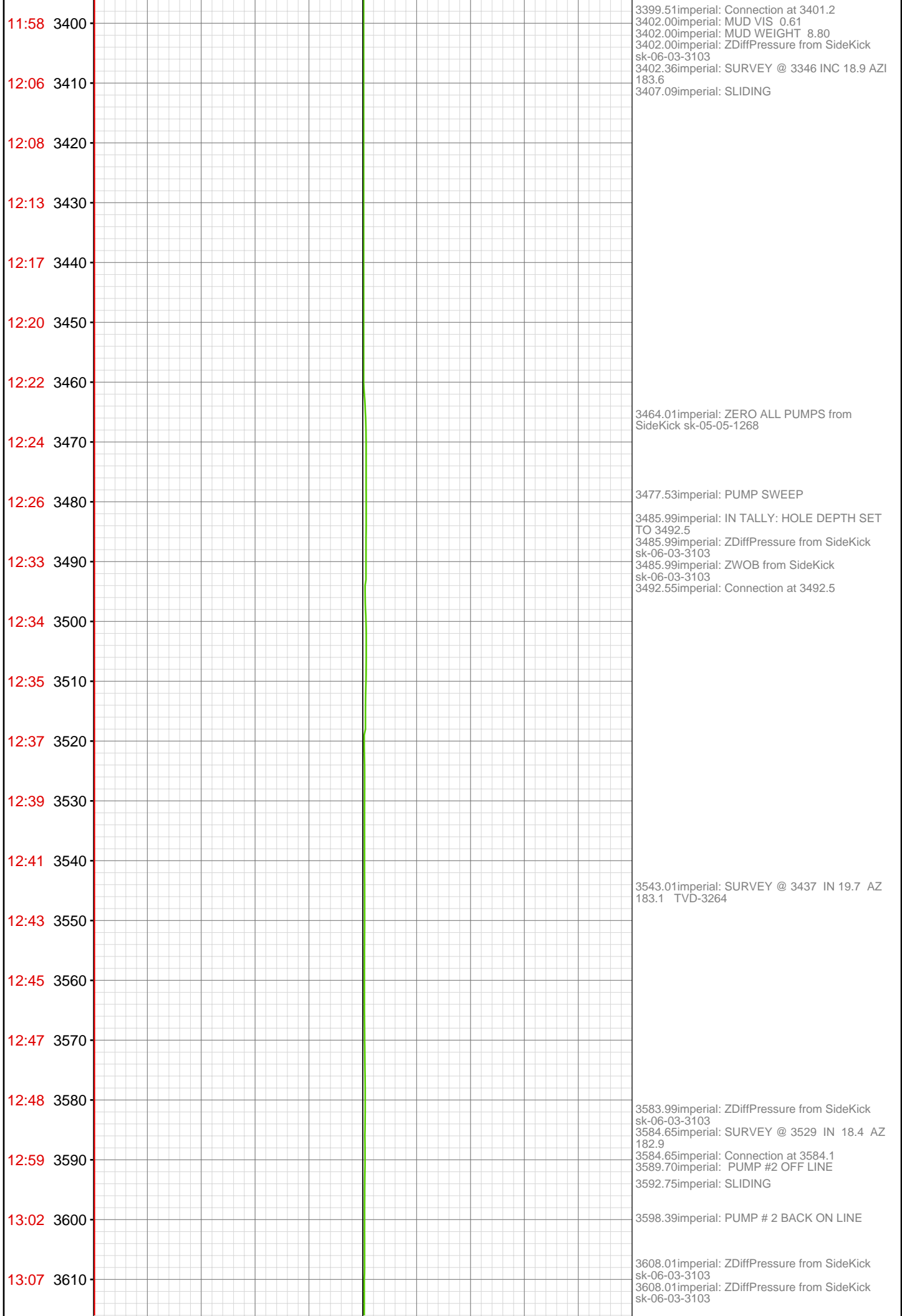


08:17	2520	
08:19	2530	2529.41imperial: ROTATING
08:20	2540	
08:22	2550	2542.57imperial: PUMP SWEEP 2545.00imperial: ZERO ALL PUMPS from SideKick sk-05-05-1268
08:24	2560	
08:25	2570	2565.84imperial: Connection at 2578.4
08:32	2580	2572.84imperial: TESTED SIMOPS HORN 2579.00imperial: ZWOB from SideKick sk-06-03-3103 2579.00imperial: ZDiffPressure from SideKick sk-06-03-3103 2579.14imperial: SURVEY @ 2523 INC 21.3 AZI 183.9 TVD 2403.69 2584.16imperial: ROTATING
08:34	2590	
08:35	2600	
08:37	2610	
08:38	2620	
08:39	2630	
08:41	2640	
08:42	2650	
08:44	2660	
08:51	2670	2669.00imperial: IN TALLY: HOLE DEPTH SET TO 2669.8 2669.00imperial: ZDiffPressure from SideKick sk-06-03-3103 2669.00imperial: ZWOB from SideKick sk-06-03-3103 2669.83imperial: Connection at 2669.8 2669.83imperial: SURVEY @ 2614 INC 20 AZI 182.7 TVD 2488.84 2672.31imperial: ROTATING
08:53	2680	
08:54	2690	
08:56	2700	
08:57	2710	
08:59	2720	2712.05imperial: PUMP SWEEP
09:01	2730	



10:00	2960	
10:02	2970	
10:04	2980	
10:05	2990	
10:07	3000	2997.00imperial: ZERO ALL PUMPS from SideKick sk-05-05-1268
10:08	3010	3006.33imperial: PUMP SWEEP
10:11	3020	
10:13	3030	3035.00imperial: MUD VIS 0.60 3035.00imperial: MUD WEIGHT 7.39 3035.00imperial: MUD WEIGHT 8.70 3035.00imperial: ZWOB from SideKick sk-06-03-3103
10:21	3040	3035.44imperial: Connection at 3035.4 3035.44imperial: SURVEY @ 2980 INC 19.5 AZI 182.0 TVD 2832.77
10:23	3050	3035.60imperial: ZDiffPressure from SideKick sk-06-03-3103 3037.00imperial: IN TALLY: HOLE DEPTH SET TO 3035.4 3049.71imperial: ROTATING
10:24	3060	
10:26	3070	
10:28	3080	
10:29	3090	
10:31	3100	
10:33	3110	
10:35	3120	3127.00imperial: ZDiffPressure from SideKick sk-06-03-3103
10:43	3130	3127.60imperial: SPR #1 @3126 Connection at 3126.8 3127.60imperial: SURVEY @ 3071 INC 17.8 AZI 184.8 3127.60imperial: SLIDING
10:46	3140	
10:49	3150	
10:51	3160	
10:53	3170	3170.00imperial: ZDiffPressure from SideKick sk-06-03-3103 3170.00imperial: ZWOB from SideKick sk-06-03-3103 3170.29imperial: ROTATING PUMP SWEEP

10:57	3180	
10:58	3190	3188.00imperial: ZERO ALL PUMPS from SideKick sk-05-05-1268
11:00	3200	
11:02	3210	
11:11	3220	3218.00imperial: IN TALLY: HOLE DEPTH SET TO 3218.2 3218.00imperial: ZDiffPressure from SideKick sk-06-03-3103 3218.20imperial: SPR # 2 @3218 3218.20imperial: Connection at 3218.2 3218.20imperial: SURVEY @ 3163 INC 19.1 AZI 182 SLIDING
11:14	3230	3229.58imperial: MAKE UP WATER 15 GPM 3231.00imperial: MUD VIS 0.59 3231.00imperial: MUD WEIGHT 8.70
11:17	3240	
11:22	3250	
11:24	3260	3260.38imperial: ROTATING
11:26	3270	
11:28	3280	
11:30	3290	
11:31	3300	
11:33	3310	3309.81imperial: SURVEY @ 3254 INC 19.6 AZI 182.8 TVD 3092.12 3309.81imperial: ROTATING 3310.01imperial: IN TALLY: HOLE DEPTH SET TO 3309.8 3310.01imperial: ZDiffPressure from SideKick sk-06-03-3103 3310.01imperial: ZWOB from SideKick sk-06-03-3103 3310.70imperial: Connection at 3309.8
11:41	3320	
11:44	3330	3326.21imperial: PUMP SWEEP
11:46	3340	
11:48	3350	
11:50	3360	
11:53	3370	
11:55	3380	
11:56	3390	3331.99imperial: ZERO ALL PUMPS from SideKick sk-05-05-1268



13:10 3620
13:14 3630
13:16 3640
13:18 3650
13:21 3660
13:23 3670
13:31 3680
13:34 3690
13:36 3700
13:40 3710
13:44 3720
13:48 3730
13:50 3740
13:51 3750
13:53 3760
14:01 3770
14:03 3780
14:05 3790
14:07 3800
14:09 3810
14:11 3820
14:14 3830



3636.98imperial: ROTATING PUMP SWEEP
3639.99imperial: ZERO ALL PUMPS from
SideKick sk-05-05-1268

3672.01imperial: MUD VIS 0.67
3673.00imperial: MUD WEIGHT 8.90
3675.43imperial: Connection at 3675.7
3675.75imperial: IN TALLY: HOLE DEPTH SET
TO 3675.7
3675.75imperial: SURVEY @ 3620 IN 19.2 AZ
185.7
3676.64imperial: SLIDING

3726.31imperial: ROTATING

3767.13imperial: SURVEY @ 3803 IN 20.6 AZ
186.0 TVD 3609
3767.36imperial: Connection at 3767.4
3767.36imperial: PUMP SWEEP
3767.36imperial: ZDiffPressure from SideKick
sk-06-03-3103
3768.01imperial: IN TALLY: HOLE DEPTH SET
TO 3767.4
3768.01imperial: ZDiffPressure from SideKick
sk-06-03-3103
3774.64imperial: ROTATING
3779.00imperial: ZERO ALL PUMPS from
SideKick sk-05-05-1268
3783.01imperial: MUD VIS 0.70
3783.99imperial: MUD WEIGHT 8.95

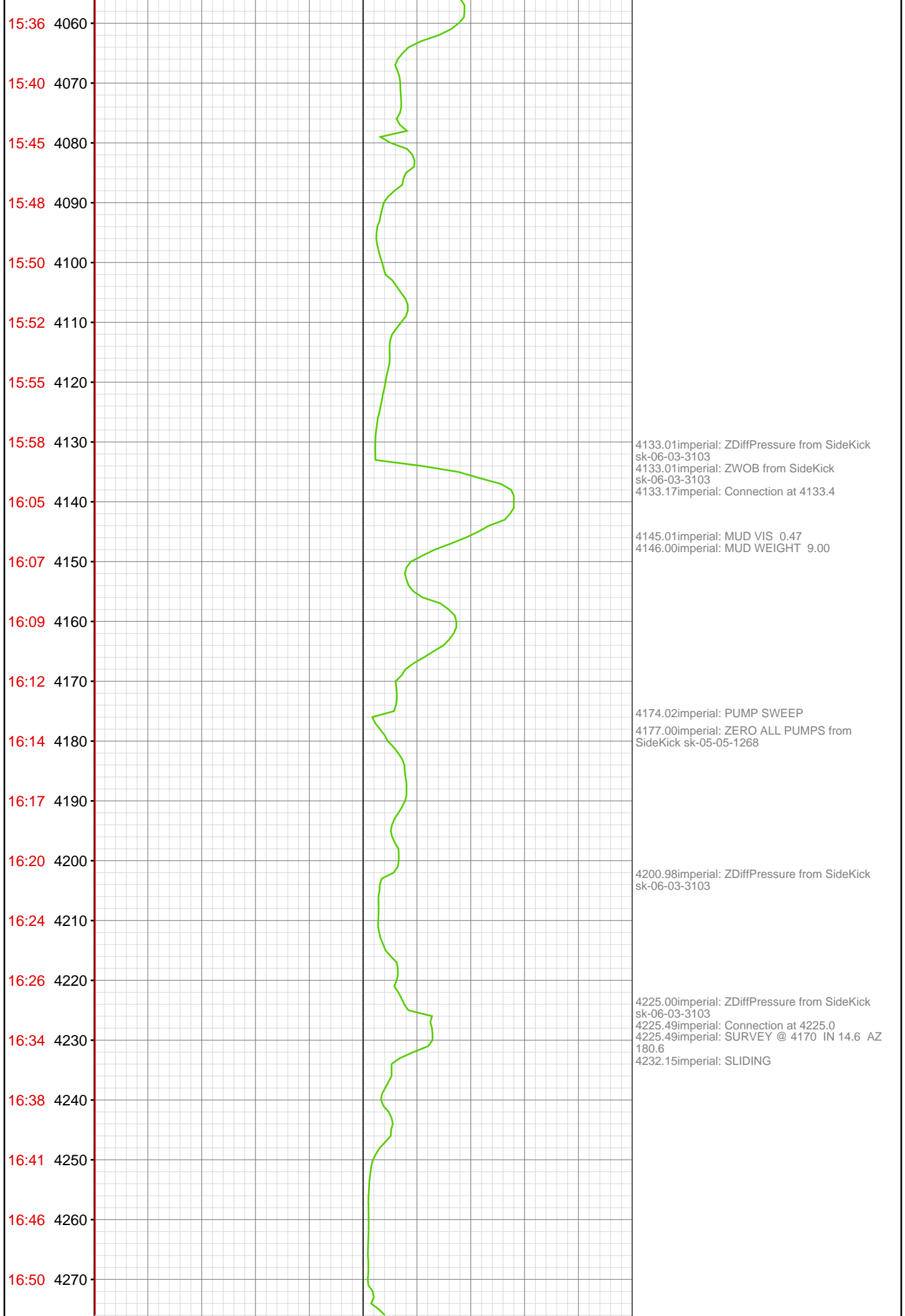
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15:34 4050

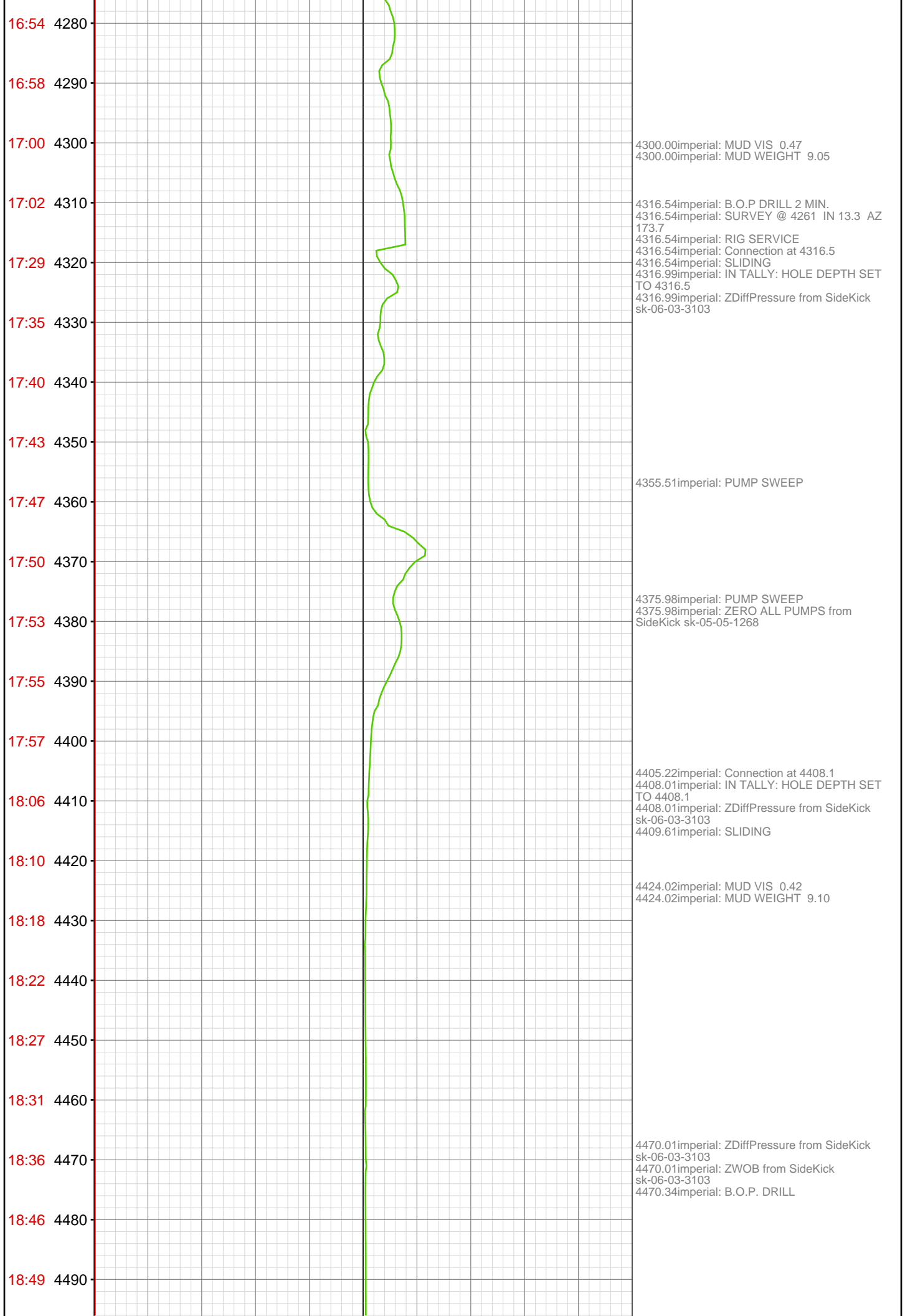
3858.89imperial: Connection at 3858.9
3858.89imperial: SURVEY @ 3803 IN 18.9 AZ
187.7
3858.89imperial: SLIDING
3858.99imperial: IN TALLY: HOLE DEPTH SET
TO 3858.9
3858.99imperial: ZWOB from SideKick
sk-06-03-3103
3858.99imperial: ZDiffPressure from SideKick
sk-06-03-3103

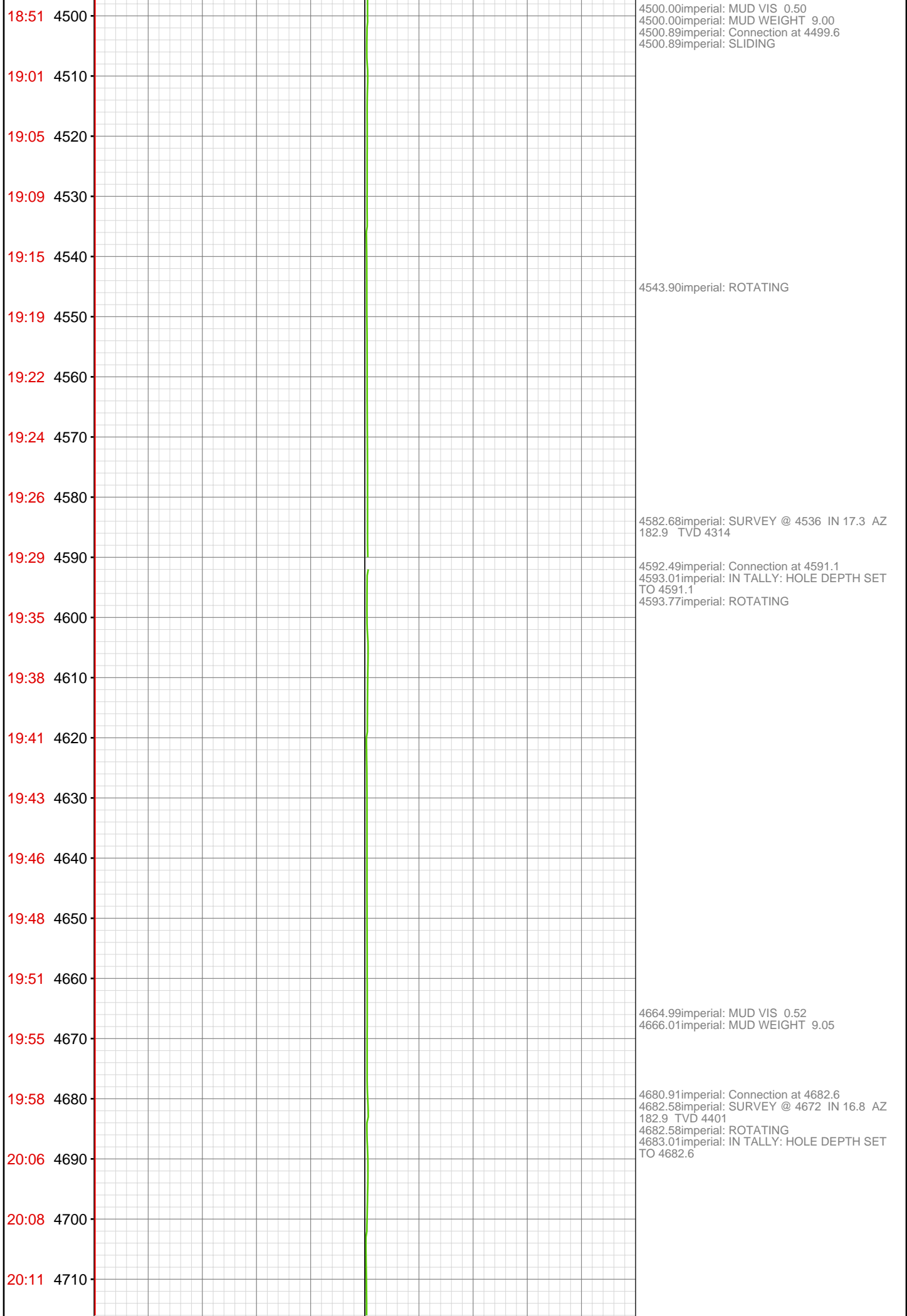
3950.53imperial: Connection at 3950.5
3950.53imperial: SURVEY @ 3895 IN 19.2 AZ
181.1 TVD 3697 ROTATING
3950.98imperial: IN TALLY: HOLE DEPTH SET
TO 3950.5
3950.98imperial: ZWOB from SideKick
sk-06-03-3103
3950.98imperial: ZWOB from SideKick
sk-06-03-3103
3950.98imperial: ZDiffPressure from SideKick
sk-06-03-3103
3956.99imperial: ZERO ALL PUMPS from
SideKick sk-05-05-1268
3964.14imperial: PUMP SWEEP

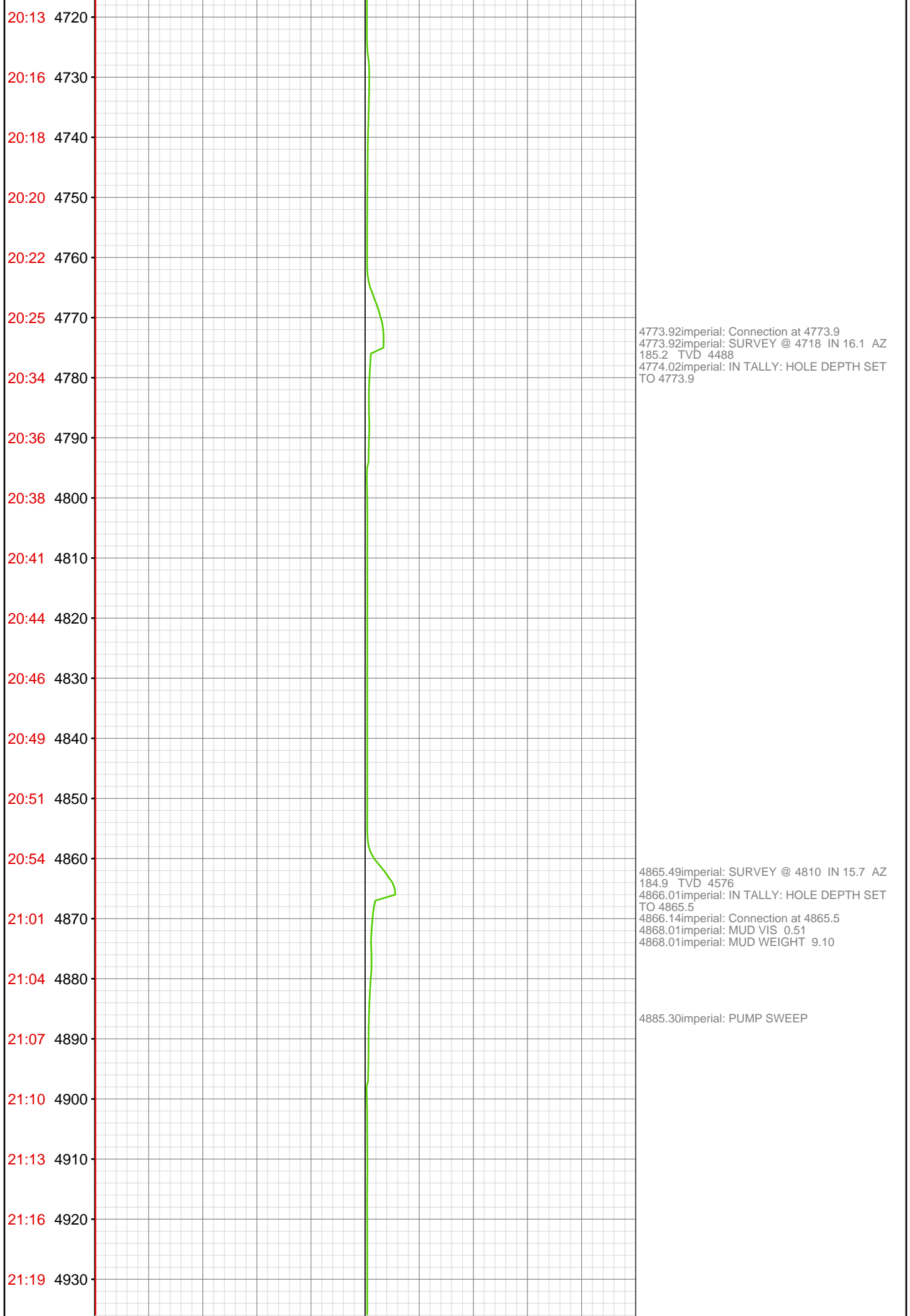
3993.90imperial: SURVEY @ 3986 IN 18 AZ
179.4

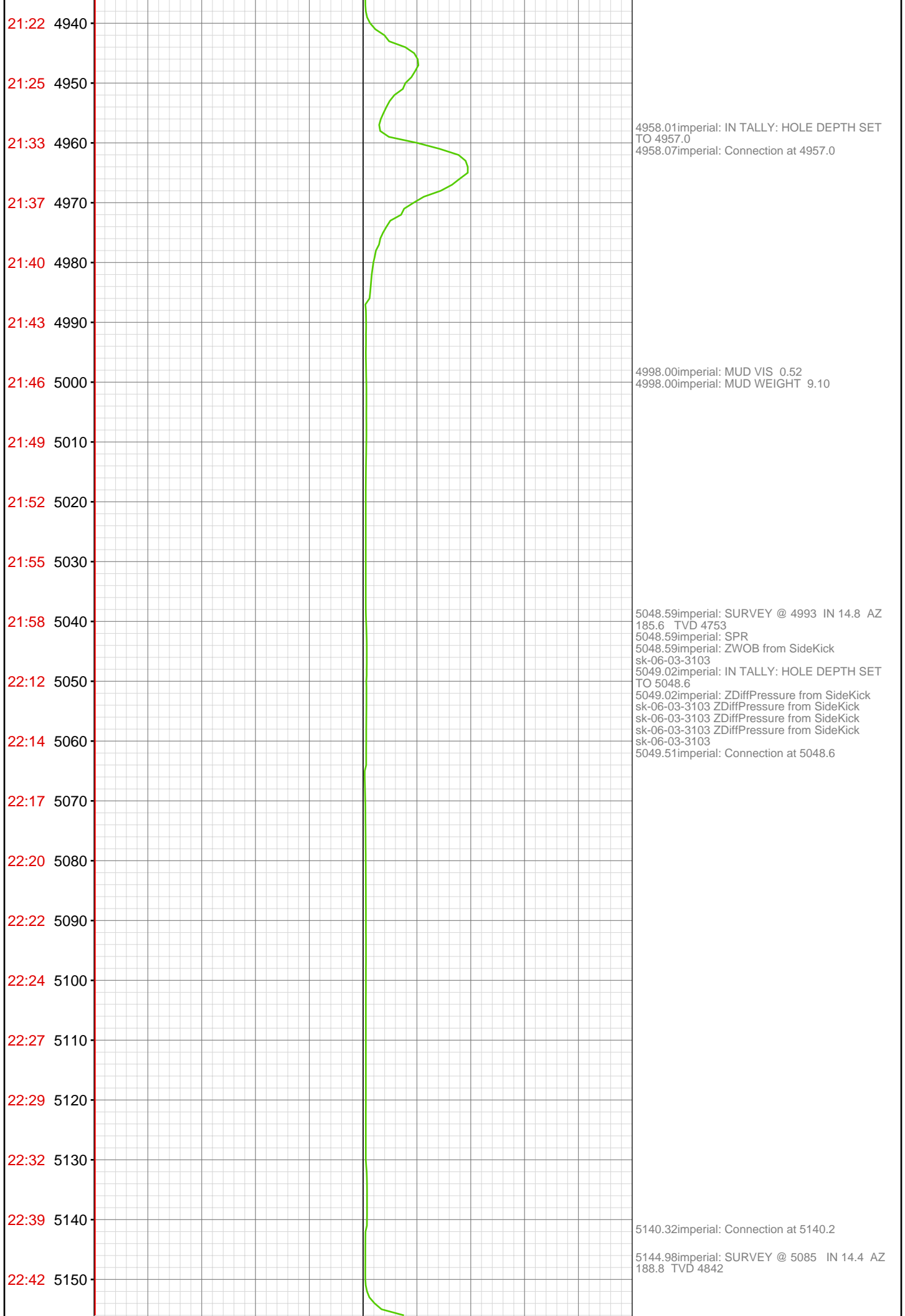
4041.83imperial: Connection at 4041.8
4041.99imperial: IN TALLY: HOLE DEPTH SET
TO 4041.8
4041.99imperial: ZWOB from SideKick
sk-06-03-3103
4041.99imperial: ZDiffPressure from SideKick
sk-06-03-3103
4043.04imperial: 021TGAS 03090394 SW0.27
HW25.00 - 79 days on

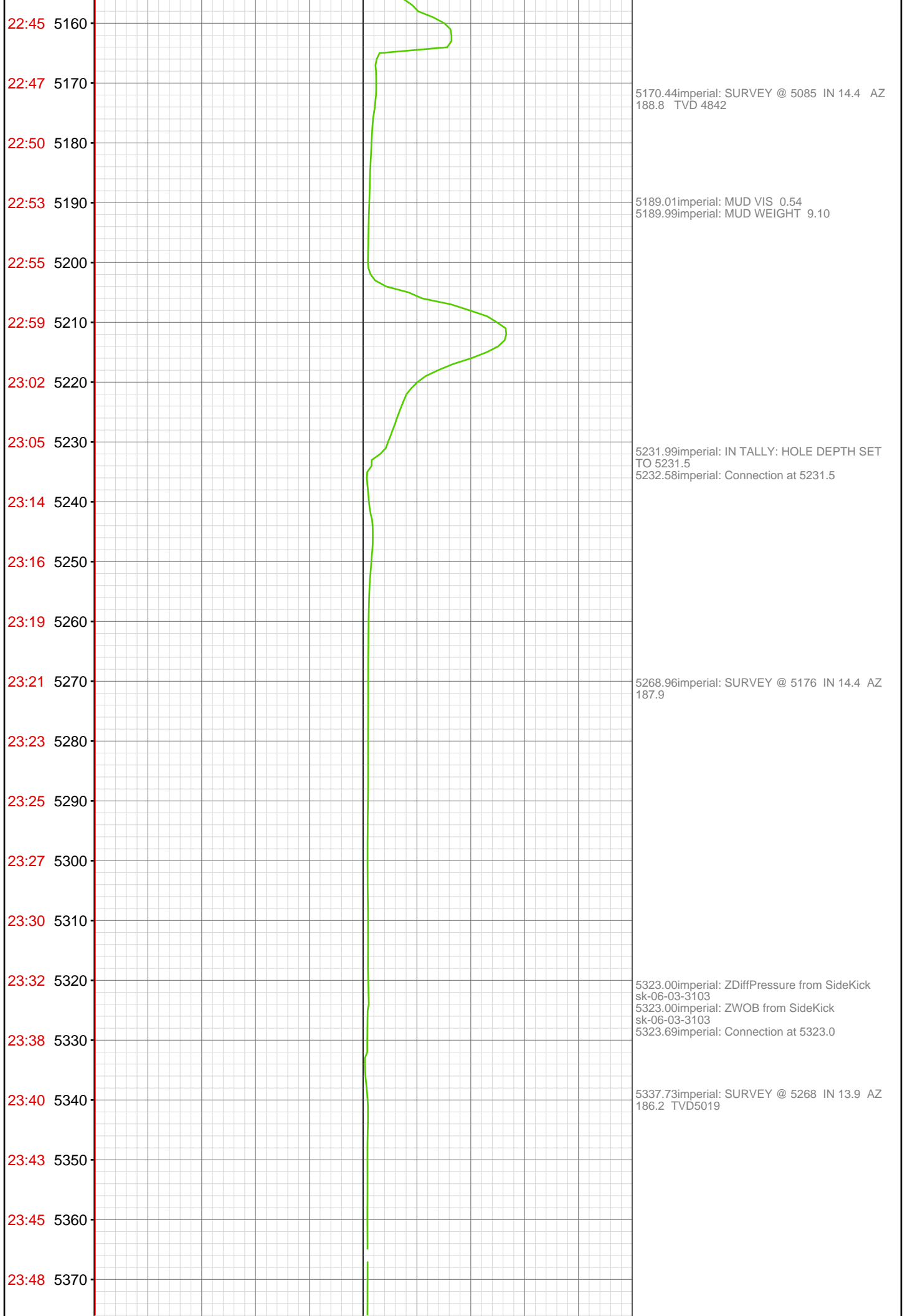












23:50 5380
23:53 5390
23:55 5400
23:57 5410
Jun 20, 2010
00:08 5420
00:14 5430
00:21 5440
00:23 5450
00:27 5460
00:29 5470
00:32 5480
00:35 5490
00:37 5500
00:45 5510
00:47 5520
00:50 5530
00:52 5540
00:54 5550
00:57 5560
01:00 5570
01:03 5580
01:06 5590

5414.01imperial: IN TALLY: HOLE DEPTH SET
TO 5414.4 MUD WEIGHT 9.20
5414.01imperial: ZDiffPressure from SideKick
sk-06-03-3103
5414.40imperial: SLIDING
5415.55imperial: Connection at 5414.4
5416.01imperial: MUD VIS 0.50
5423.13imperial: SURVEY @ 5359 IN 12.9
187.33 TVD 5108

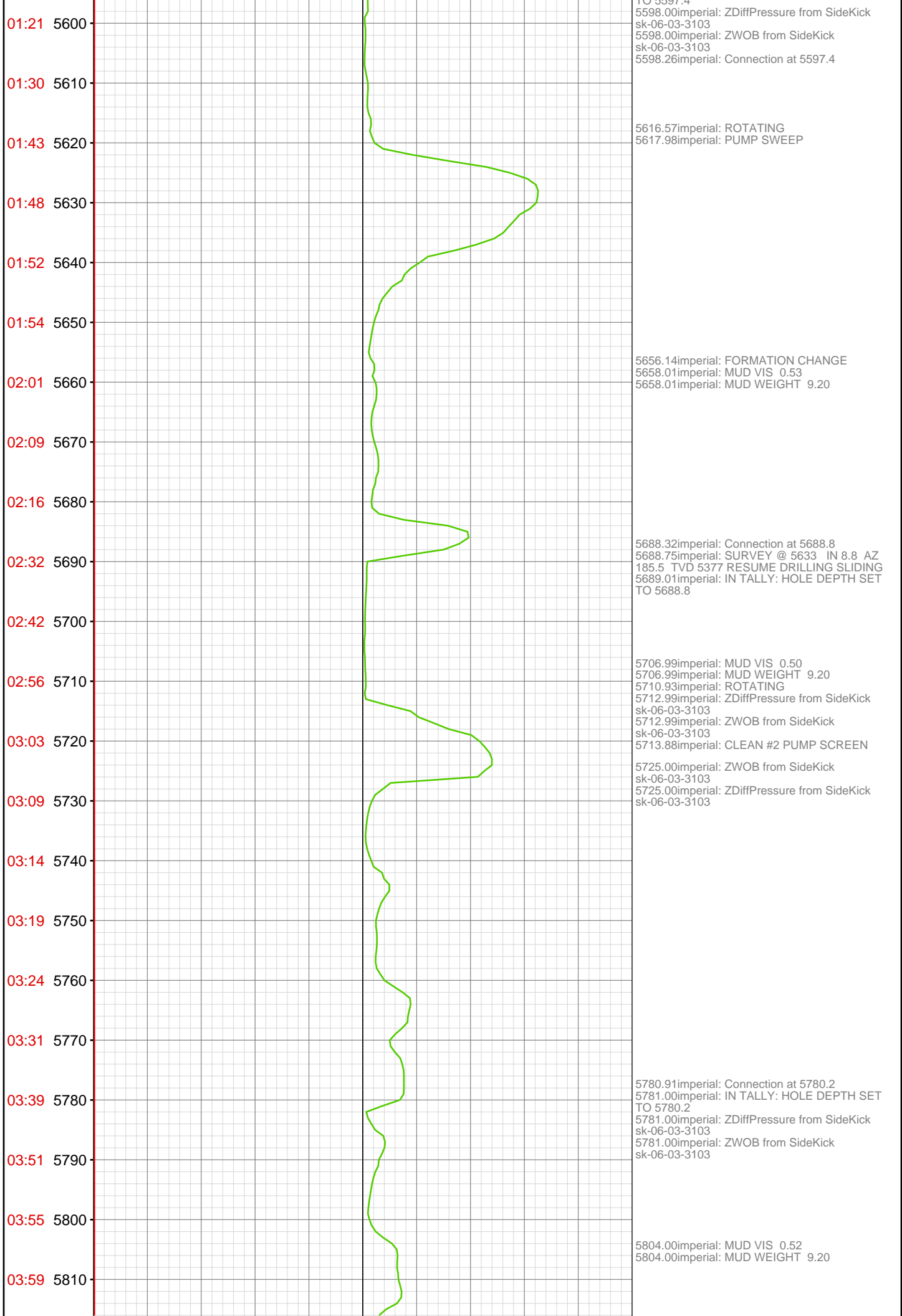
5435.07imperial: ROTATING

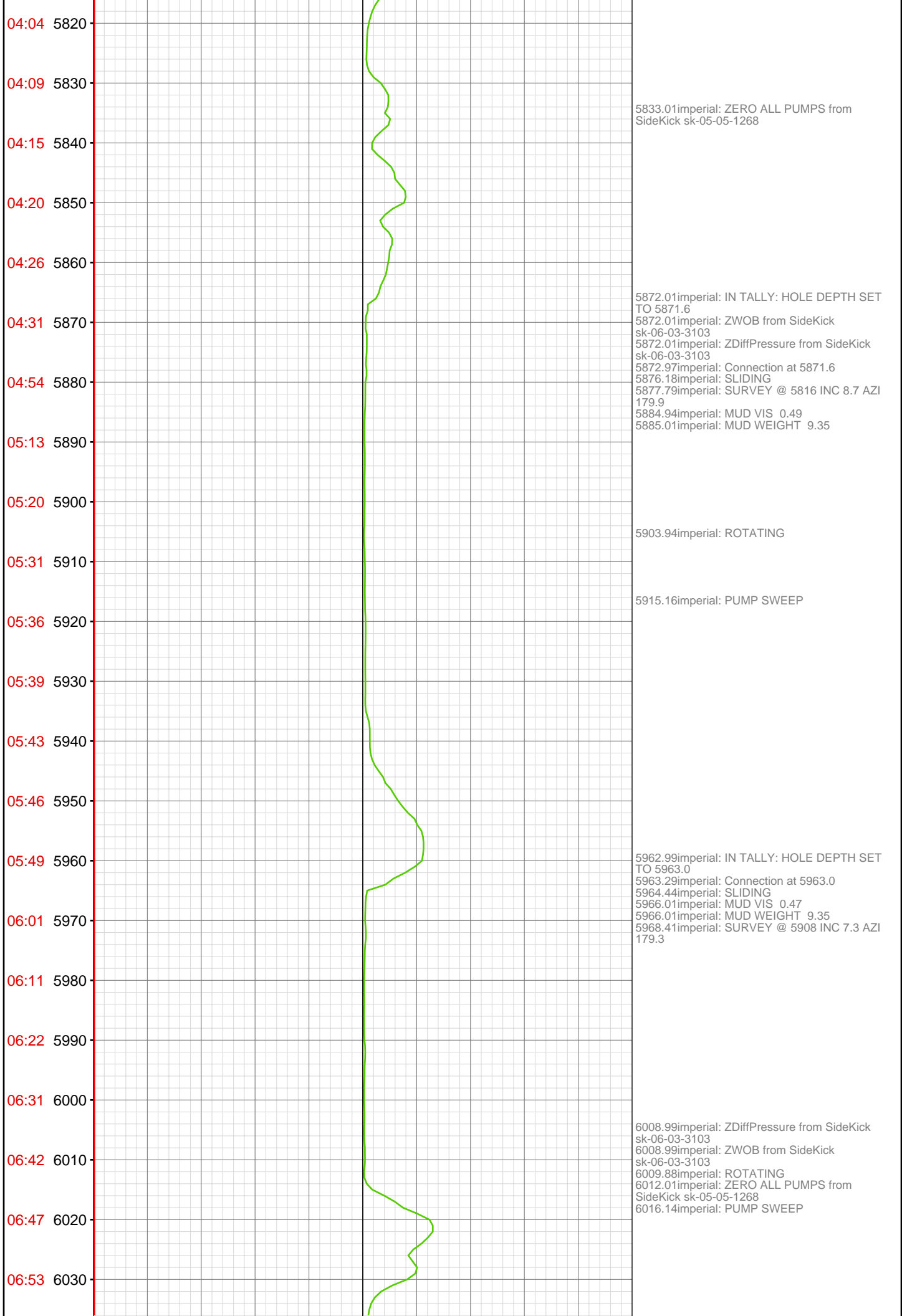
5487.14imperial: PUMP OUT CELLAR

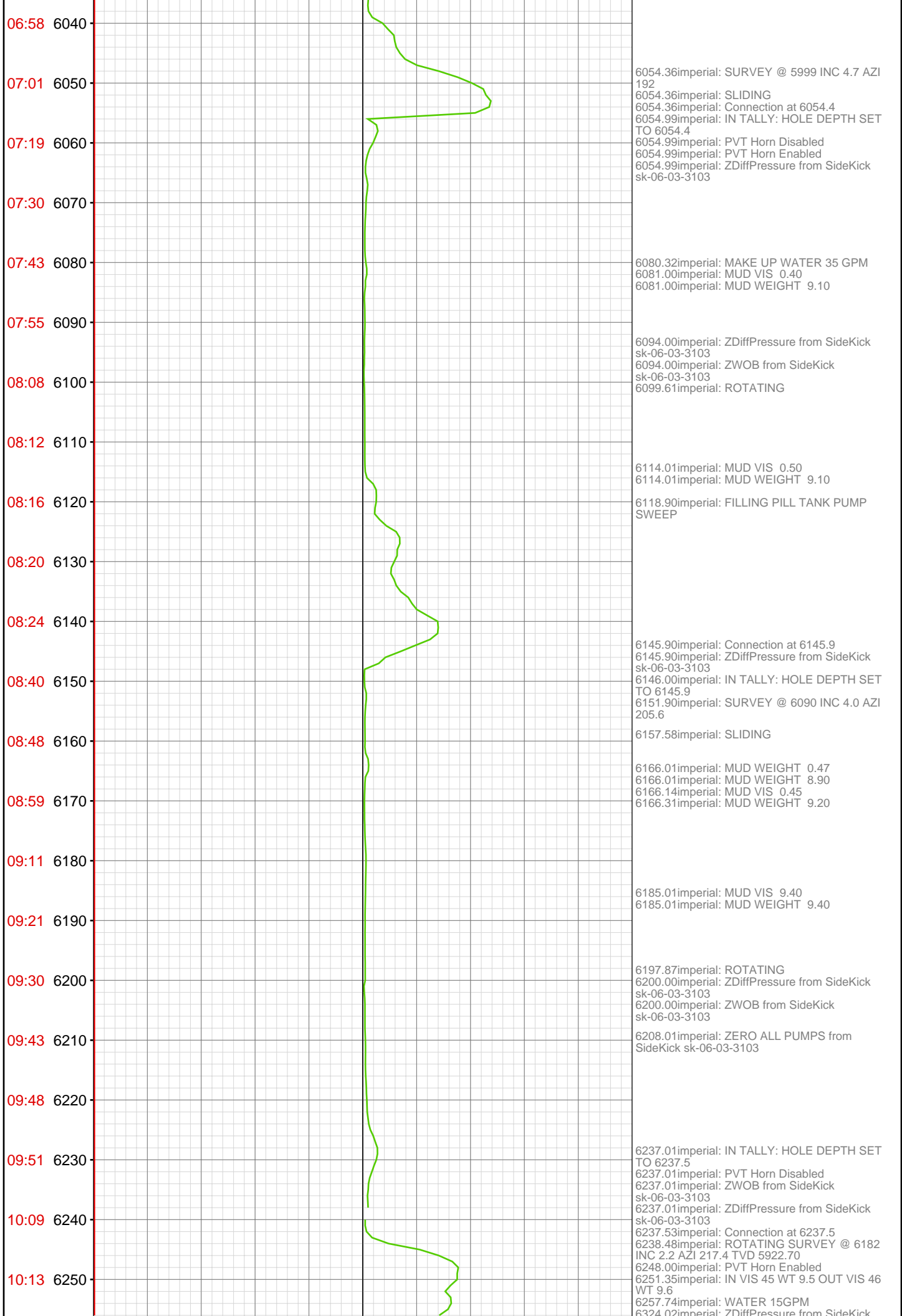
5505.91imperial: Connection at 5505.9
5505.91imperial: SURVEY @ 5450 IN 10.9 AZ
184.5 TVD 5197
5506.00imperial: IN TALLY: HOLE DEPTH SET
TO 5505.9

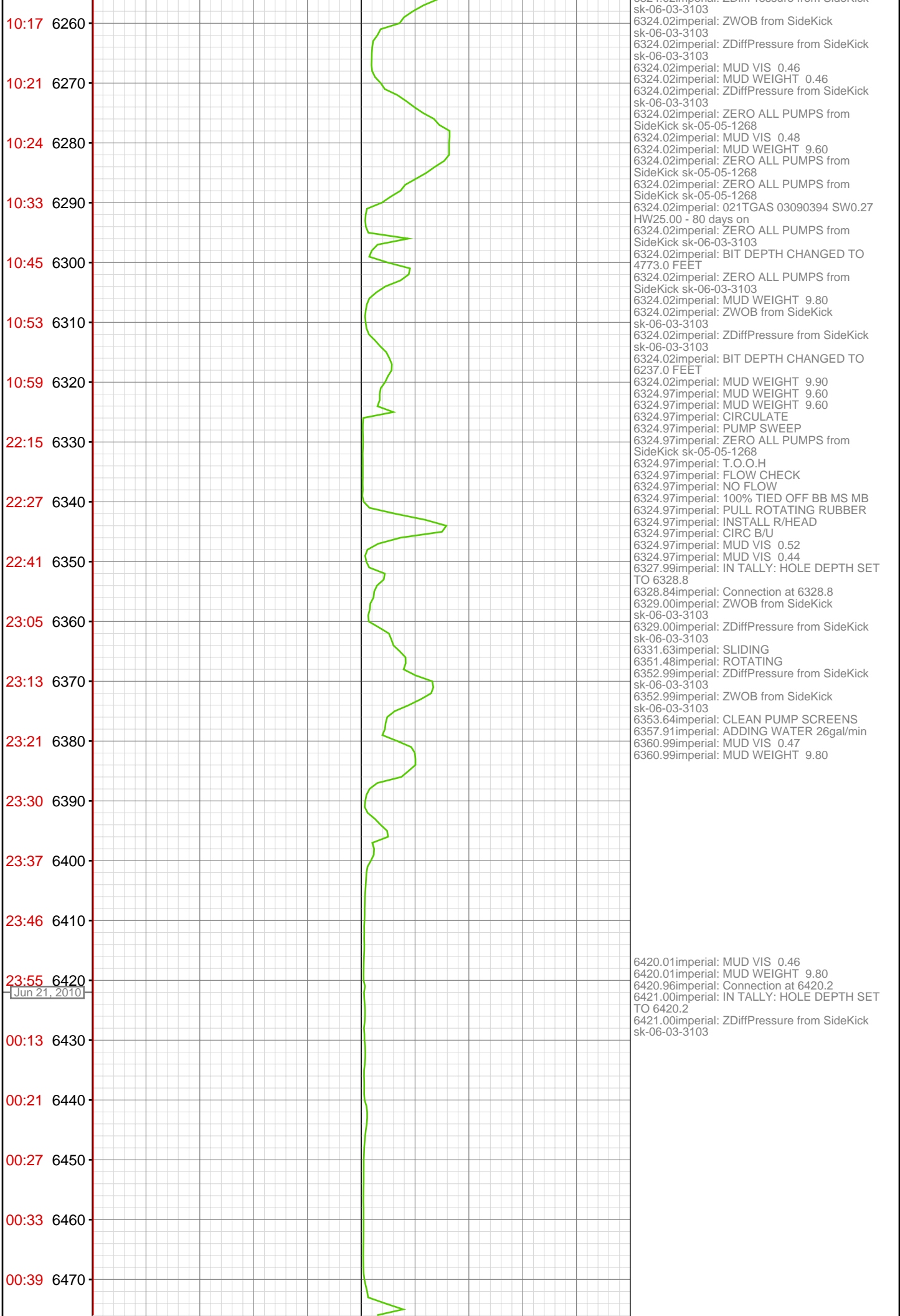
5549.02imperial: MUD VIS 0.51
5549.64imperial: MUD WEIGHT 9.20

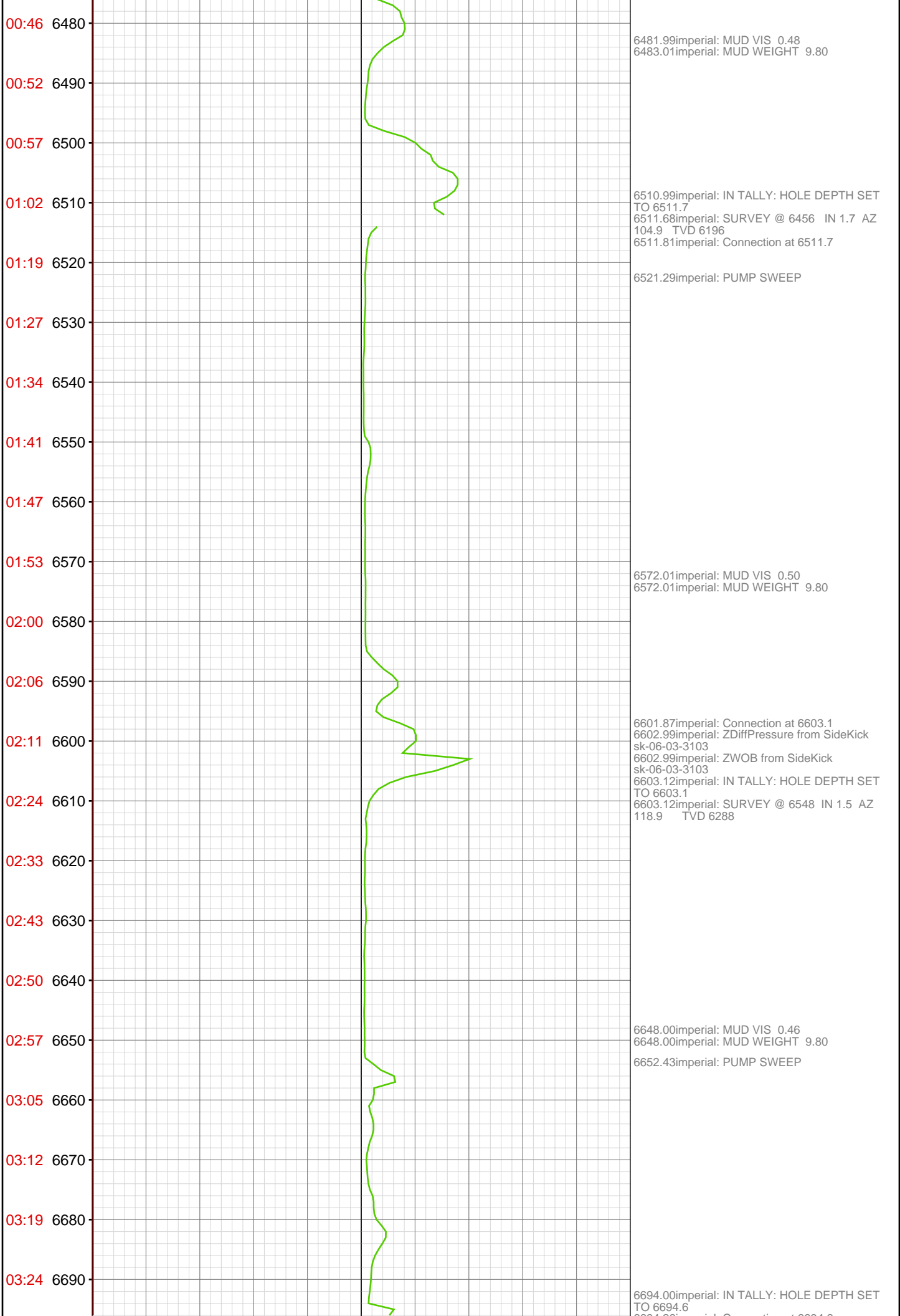
5597.44imperial: SLIDING
5598.00imperial: IN TALLY: HOLE DEPTH SET
TO 5597.4

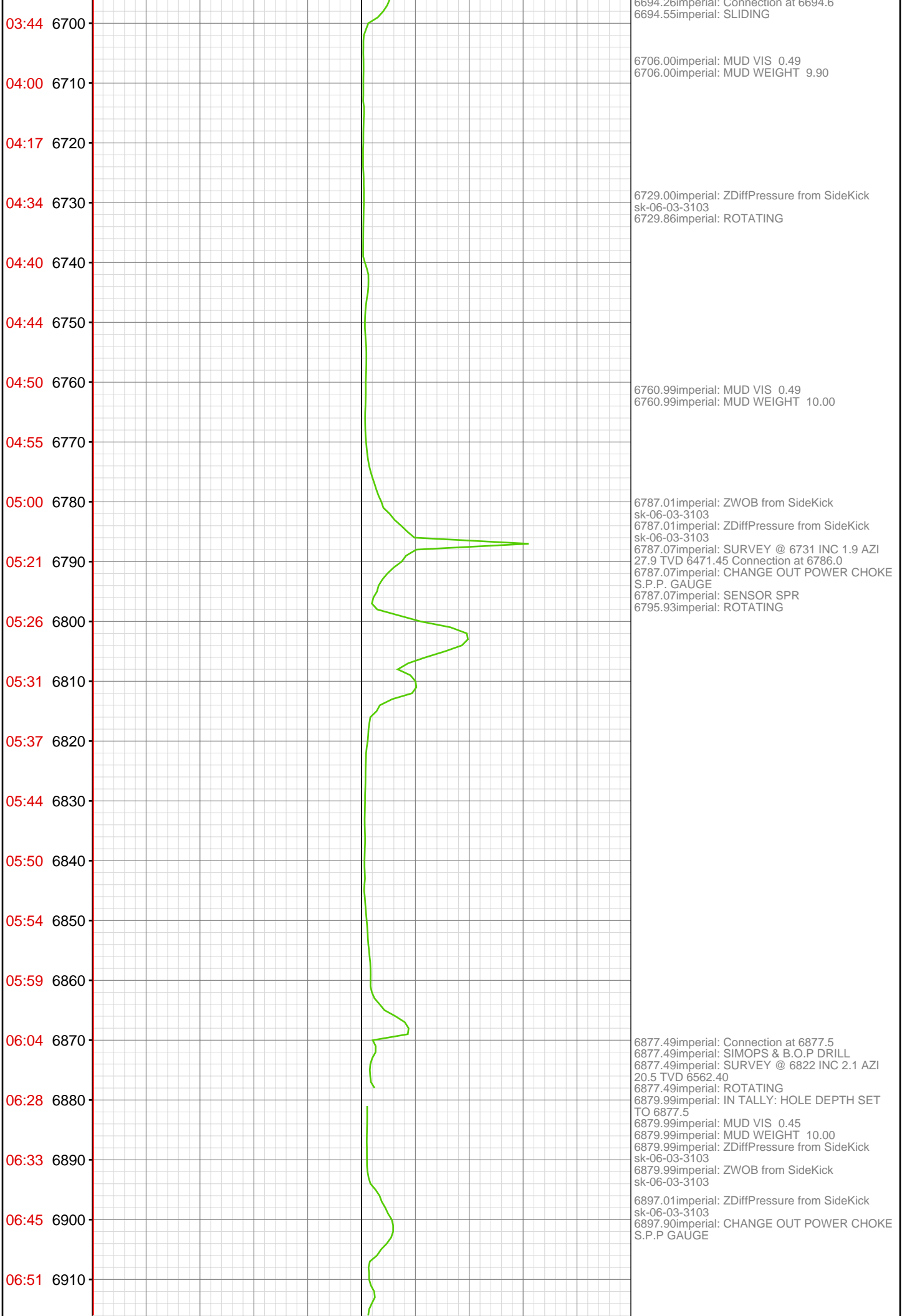


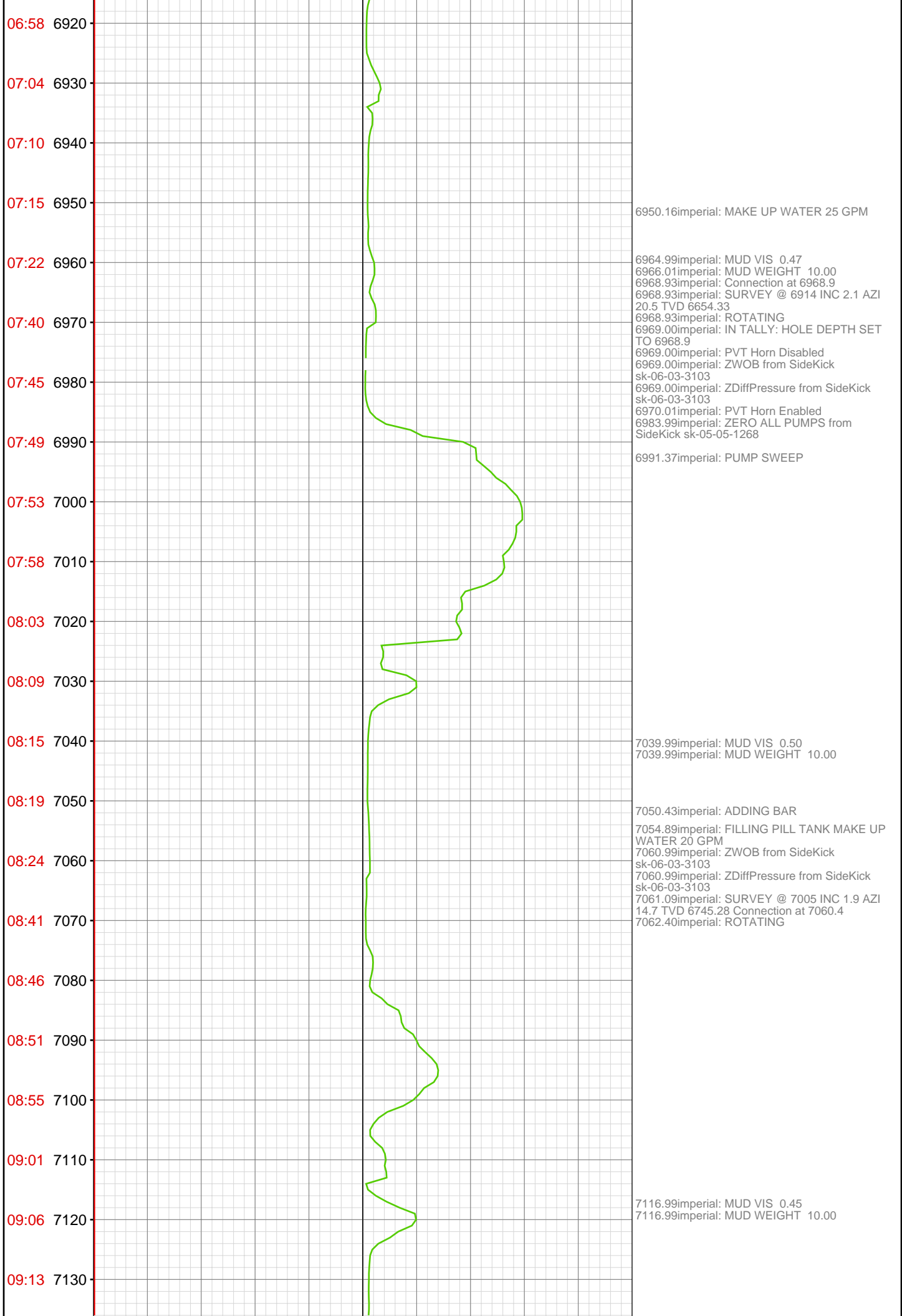


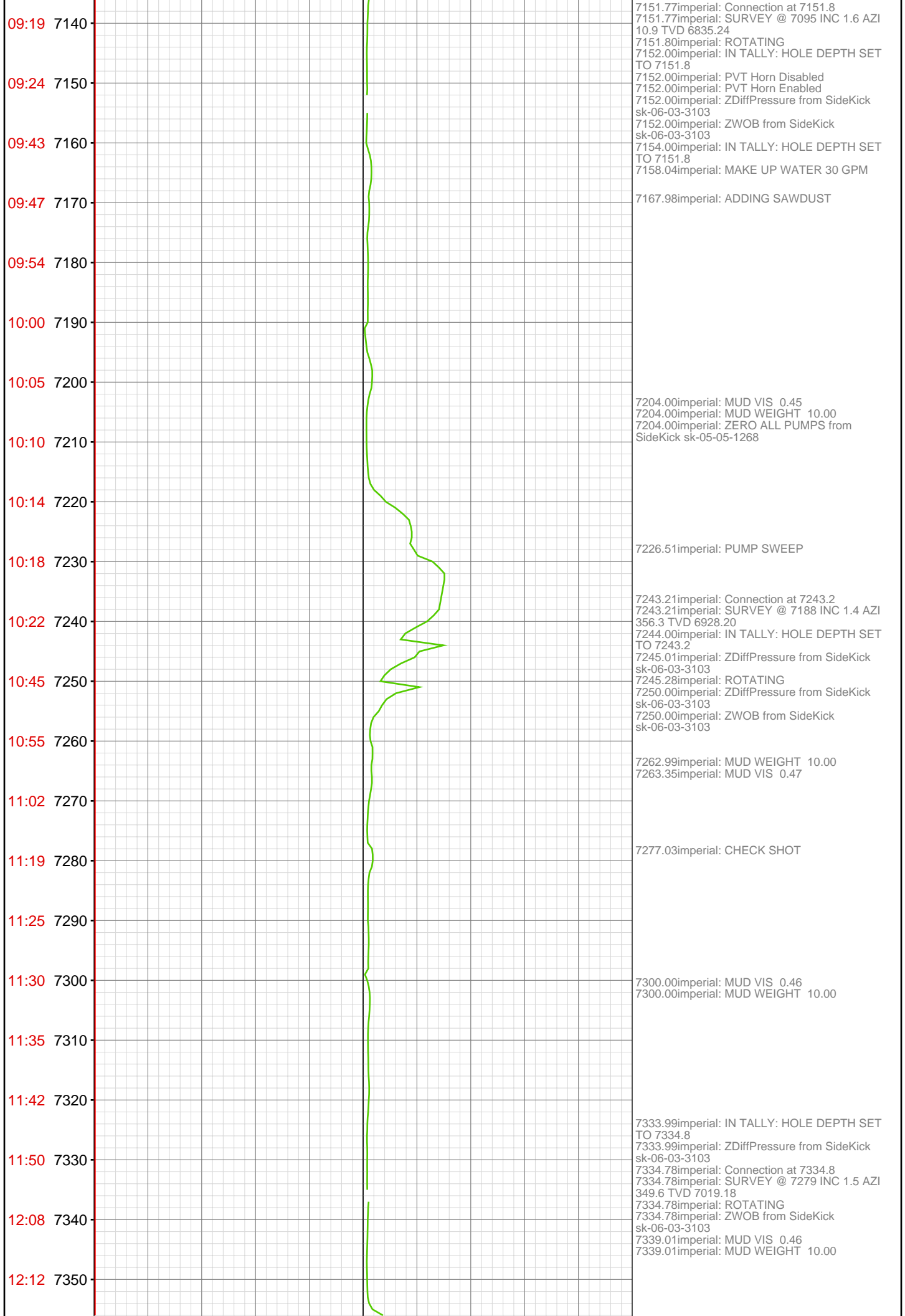


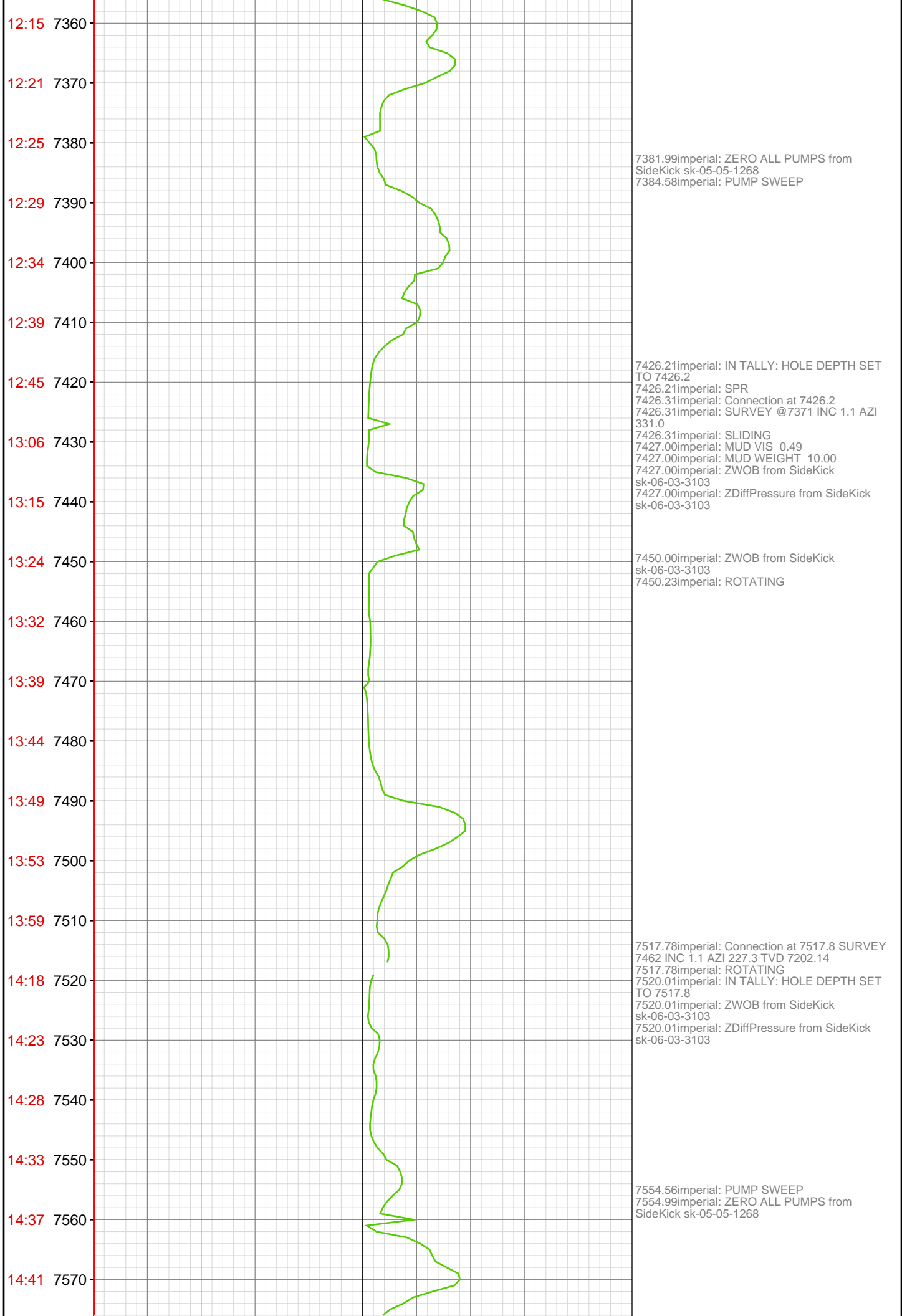




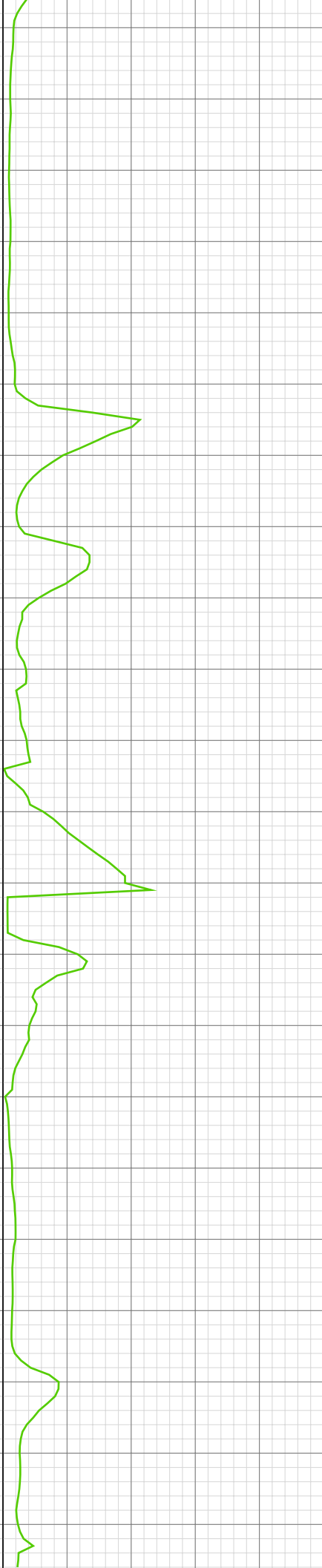








14:47 7580
14:52 7590
14:57 7600
15:14 7610
15:20 7620
15:25 7630
15:30 7640
15:34 7650
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15:44 7670
15:49 7680
15:52 7690
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16:45 7710
16:55 7720
17:03 7730
17:07 7740
17:12 7750
17:15 7760
17:20 7770
17:24 7780
17:28 7790



7608.99imperial: MUD VIS 0.45
7608.99imperial: MUD WEIGHT 10.00
7608.99imperial: PVT Horn Disabled
7608.99imperial: ZDiffPressure from SideKick
sk-06-03-3103
7608.99imperial: ZWOB from SideKick
sk-06-03-3103
7609.25imperial: SURVEY @ 7554 INC 1.2 AZI
237.2 TVD 7294.13 Connection at 7609.2
7609.25imperial: ROTATING

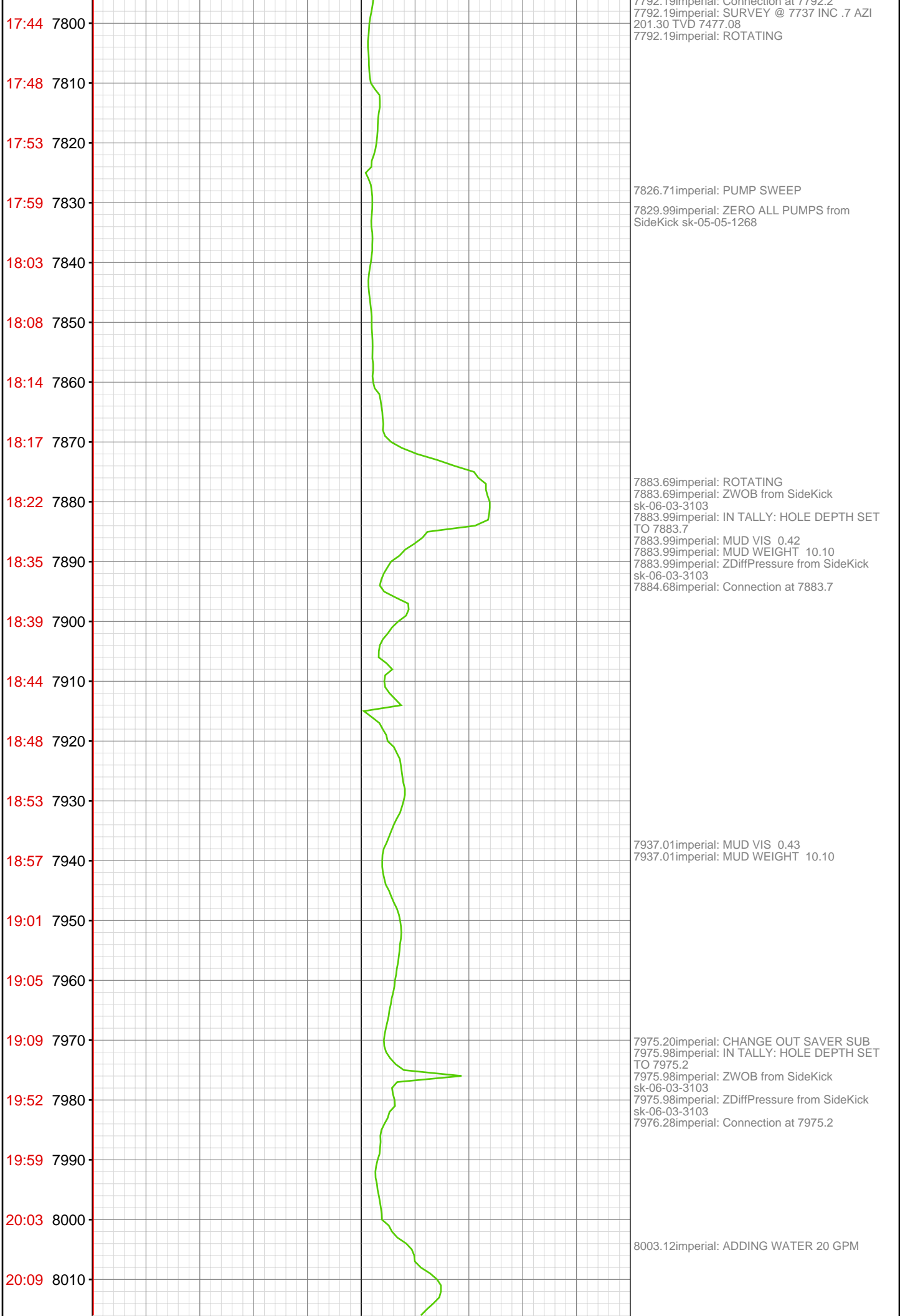
7641.99imperial: 021TGAS 03090394 SW0.27
HW25.00 - 81 days on

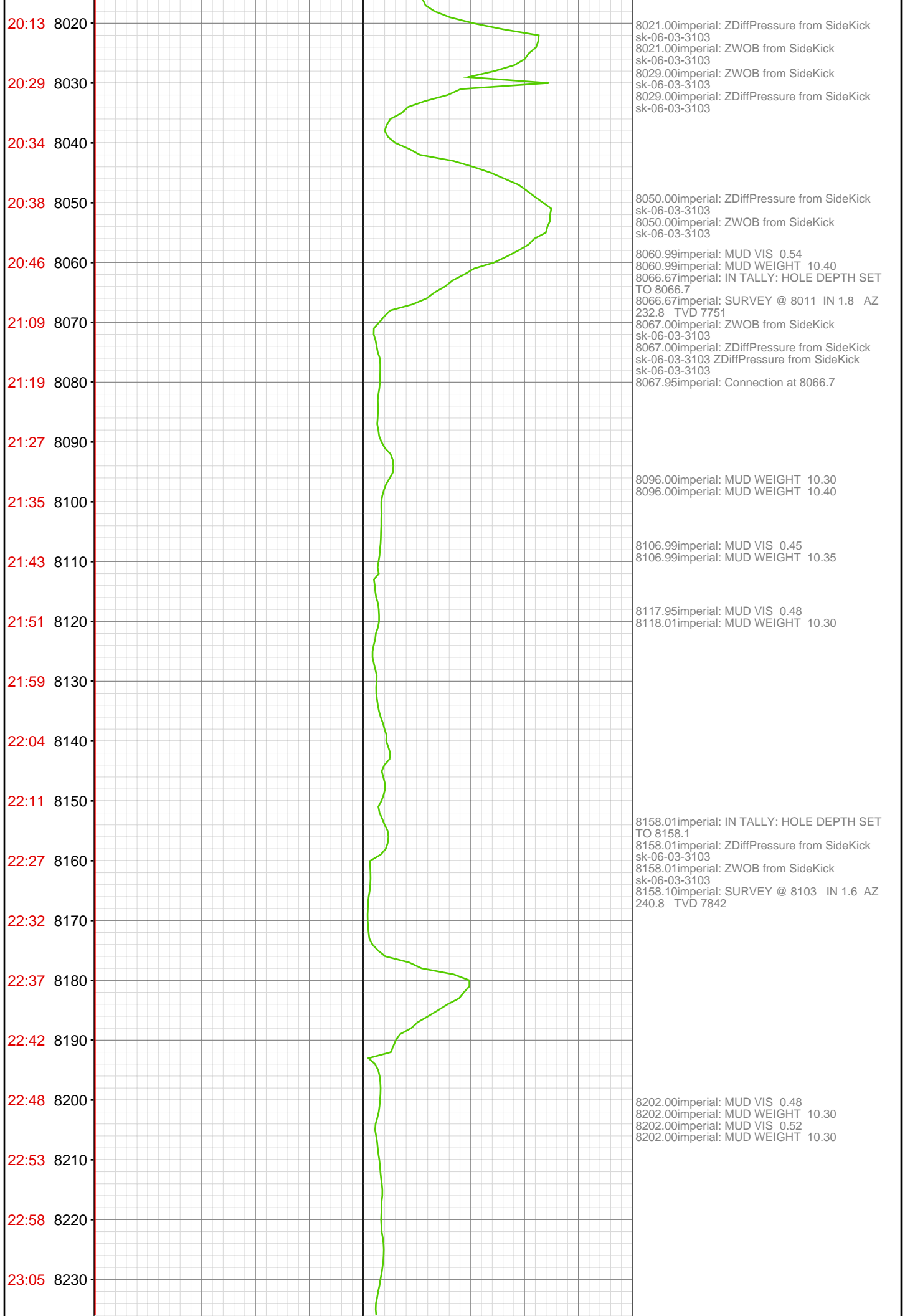
7700.72imperial: RIG SERVICE
7700.72imperial: SURVEY @ 7645 INC 1.6 AZI
259.1 TVD 7385.10
7700.72imperial: Connection at 7700.7
7700.98imperial: IN TALLY: HOLE DEPTH SET
TO 7700.7
7700.98imperial: PVT Horn Disabled
7700.98imperial: MUD VIS 0.50
7700.98imperial: MUD WEIGHT 10.00
7700.98imperial: ZDiffPressure from SideKick
sk-06-03-3103
7700.98imperial: ZWOB from SideKick
sk-06-03-3103

7721.00imperial: ZWOB from SideKick
sk-06-03-3103
7721.00imperial: ZDiffPressure from SideKick
sk-06-03-3103
7722.41imperial: ROTATING

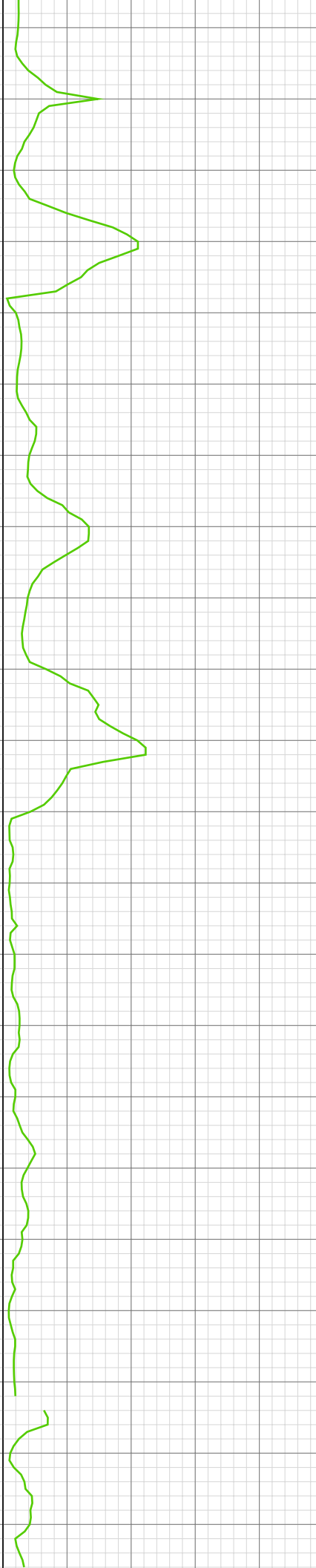
7777.00imperial: PVT Horn Enabled

7791.99imperial: IN TALLY: HOLE DEPTH SET
TO 7792.2
7791.99imperial: ZWOB from SideKick
sk-06-03-3103
7791.99imperial: ZDiffPressure from SideKick
sk-06-03-3103
7792.10imperial: Connection at 7792.2





23:11 8240-
23:15 8250-
23:30 8260-
23:35 8270-
23:41 8280-
23:45 8290-
23:50 8300-
23:54 8310-
Jun 22, 2010
00:04 8330-
00:09 8340-
00:30 8350-
00:58 8360-
01:27 8370-
01:40 8380-
02:01 8390-
02:17 8400-
02:30 8410-
02:53 8420-
03:07 8430-
03:33 8440-
03:45 8450-



8242.68imperial: WATER OFF
8249.05imperial: ADDING WATER 20gpm
Connection at 8249.5
8249.51imperial: IN TALLY: HOLE DEPTH SET
TO 8249.5
8249.51imperial: SURVEY !@ 8194 IN 2.2 AZ
244.9 TVD 7933

8300.00imperial: MUD VIS 0.49
8300.00imperial: MUD WEIGHT 10.50
8300.00imperial: MUD WEIGHT 10.35

8342.00imperial: Connection at 8340.9
8342.00imperial: ZWOB from SideKick
sk-06-03-3103
8342.00imperial: ZDiffPressure from SideKick
sk-06-03-3103
8346.13imperial: SLIDING

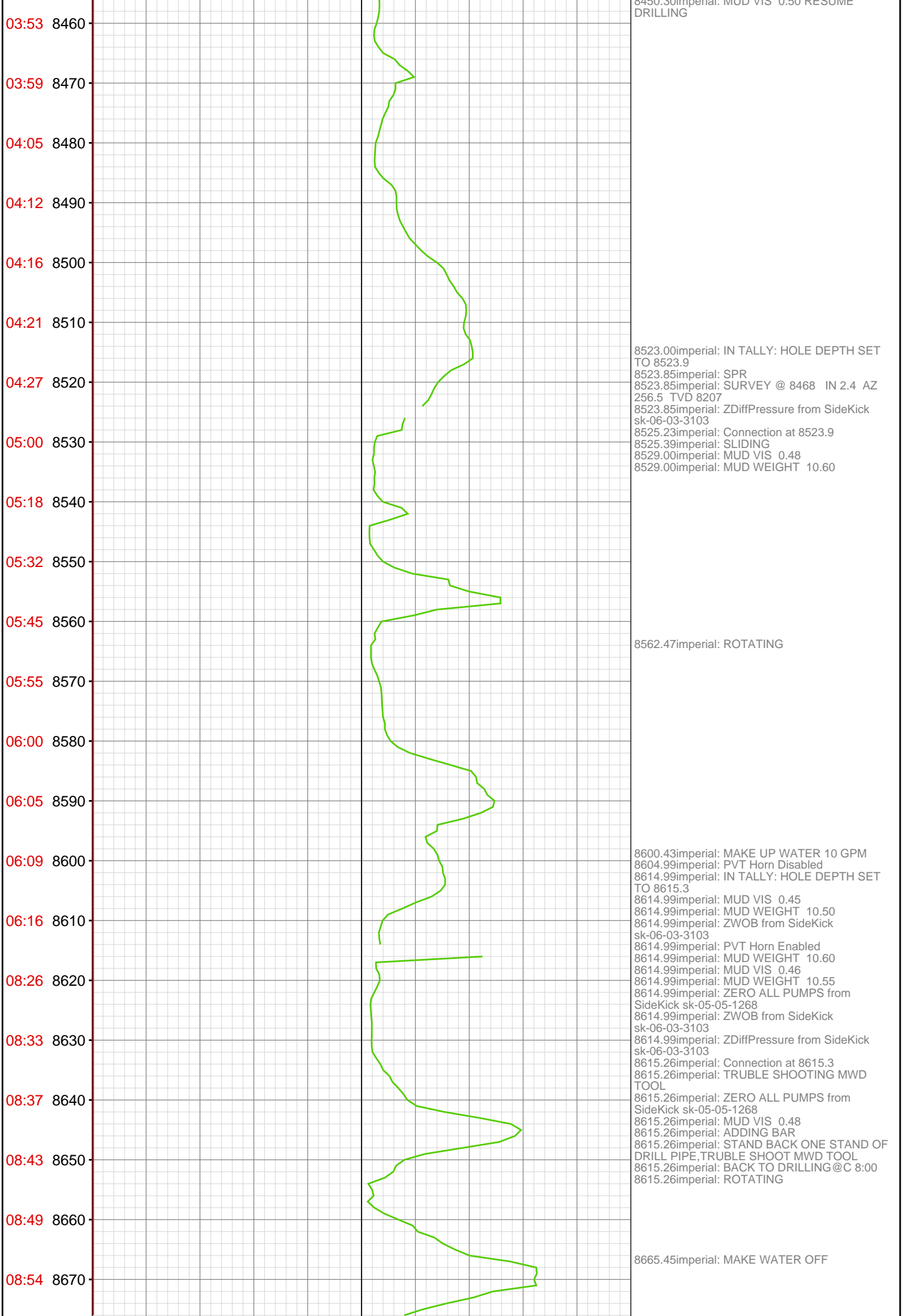
8358.99imperial: MUD VIS 0.50
8360.01imperial: MUD WEIGHT 10.40
8364.99imperial: ZWOB from SideKick
sk-06-03-3103
8364.99imperial: ZDiffPressure from SideKick
sk-06-03-3103
8365.22imperial: ROTATING
8365.22imperial: SLOW FOR FORMATION
CHANGE

8379.99imperial: MUD WEIGHT 10.70
8379.99imperial: MUD VIS 0.52
8380.12imperial: MUD WEIGHT 10.40

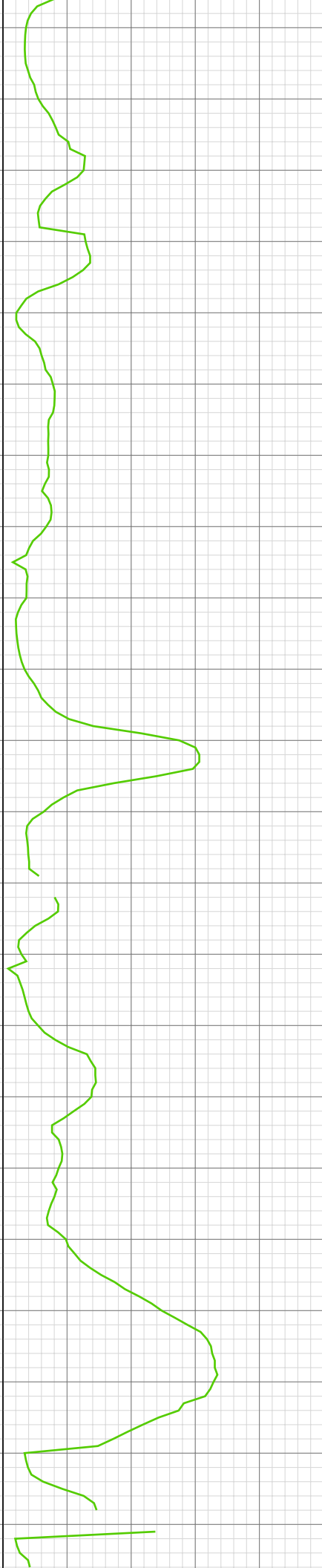
8420.01imperial: MUD VIS 0.48
8420.01imperial: MUD WEIGHT 10.50

8432.41imperial: Connection at 8432.4
8432.41imperial: SURVEY @ 9007 IN 2.2 AZ
266.3 TVD 8746
8434.09imperial: 8377
8435.99imperial: IN TALLY: HOLE DEPTH SET
TO 8432.4
8437.99imperial: MUD WEIGHT 10.75
8437.99imperial: MUD WEIGHT 10.60

8450.00imperial: ZDiffPressure from SideKick
sk-06-03-3103
8450.00imperial: ZWOB from SideKick
sk-06-03-3103
8450.00imperial: MUD WEIGHT 10.65
8450.00imperial: MUD VIS 0.50 RESUME



09:00 8680
09:06 8690
09:11 8700
09:35 8710
09:40 8720
09:46 8730
09:52 8740
09:57 8750
10:06 8760
10:12 8770
10:17 8780
10:25 8790
10:32 8800
10:52 8810
10:58 8820
11:03 8830
11:10 8840
11:17 8850
11:19 8860
11:24 8870
12:05 8880
12:32 8890



8693.01imperial: MUD VIS 0.48
8693.01imperial: MUD WEIGHT 10.70

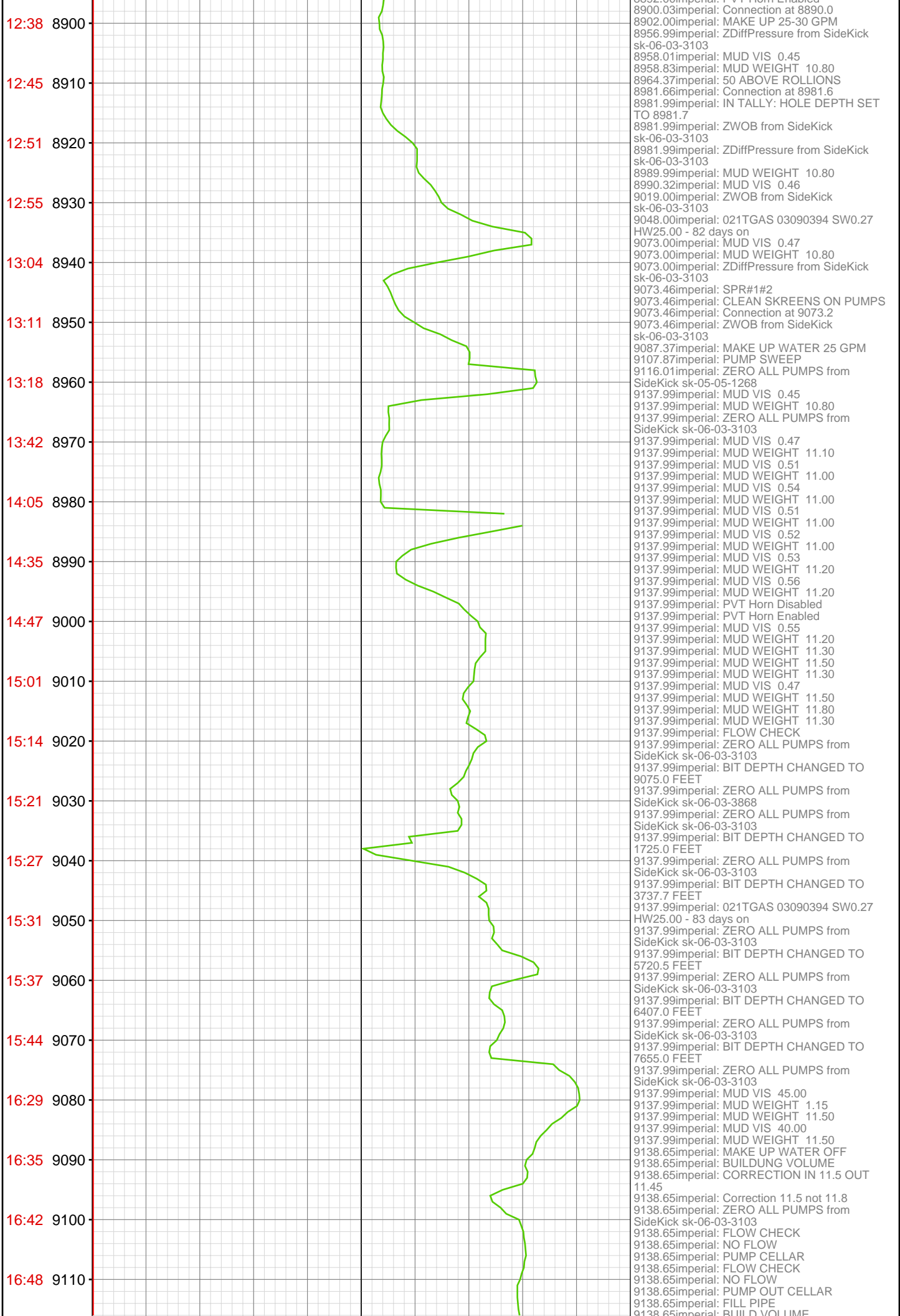
8702.99imperial: ZERO ALL PUMPS from SideKick sk-05-05-1268
8708.01imperial: ZDiffPressure from SideKick sk-06-03-3103
8708.01imperial: ZWOB from SideKick sk-06-03-3103
8708.10imperial: Connection at 8706.8
8708.10imperial: ROTATING

8743.01imperial: MUD VIS 0.48
8743.01imperial: MUD WEIGHT 10.70

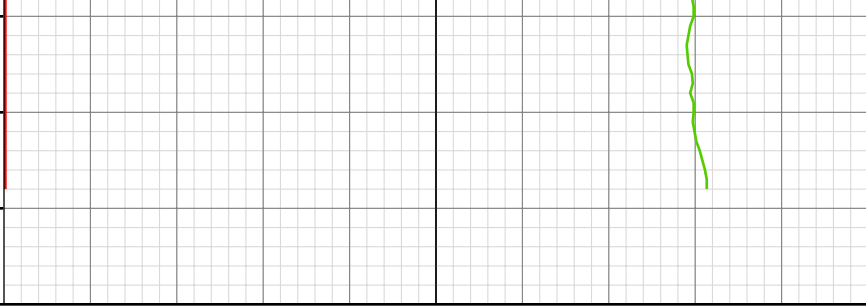
8798.43imperial: Connection at 8798.4
8800.00imperial: PVT Horn Enabled
8800.98imperial: IN TALLY: HOLE DEPTH SET TO 8798.4
8800.98imperial: PVT Horn Disabled
8800.98imperial: ZWOB from SideKick sk-06-03-3103
8800.98imperial: ZDiffPressure from SideKick sk-06-03-3103

8812.99imperial: MUD VIS 0.49
8814.01imperial: MUD WEIGHT 10.90

8873.33imperial: RIG SERVICE
8877.99imperial: ZDiffPressure from SideKick sk-06-03-3103
8877.99imperial: ZWOB from SideKick sk-06-03-3103
8878.31imperial: PUMP # 2 OFF LINE
8889.01imperial: MUD VIS 0.48
8889.01imperial: MUD WEIGHT 10.80
8889.01imperial: PVT Horn Disabled
8889.01imperial: ZWOB from SideKick sk-06-03-3103
8889.01imperial: ZDiffPressure from SideKick sk-06-03-3103
8891.01imperial: IN TALLY: HOLE DEPTH SET TO 8890.0
8892.00imperial: PVT Horn Enabled



16:54 9120
17:02 9130
9140



9138.65imperial: ZERO ALL PUMPS from
SideKick sk-06-03-3103
9138.65imperial: FLOW CHECK
9138.65imperial: NO FLOW
9138.65imperial: FLOW CHECK
9138.65imperial: NO FLOW
9138.65imperial: FLOW CHECK
9138.65imperial: NO FLOW
9138.65imperial: FLOW CHECK
9138.65imperial: NO FLOW
9138.65imperial: FLOW CHECK
9138.65imperial: PULL RTHDRBBR
9138.65imperial: FLOW CHECK
9138.65imperial: RUNNING 4-1/2" PROD CSG
9138.65imperial: CIRCULATE
9138.65imperial: CIRCULATE