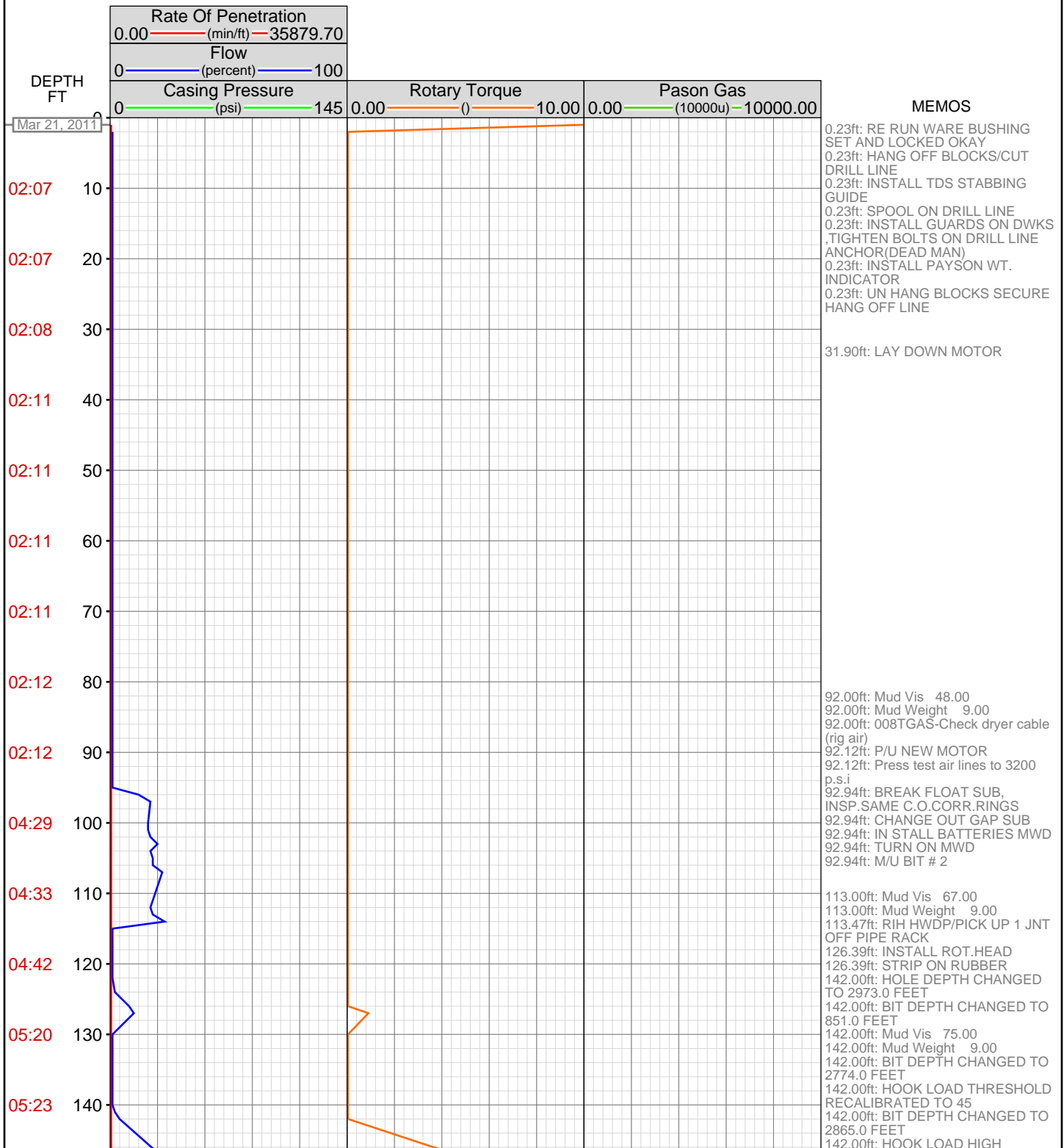


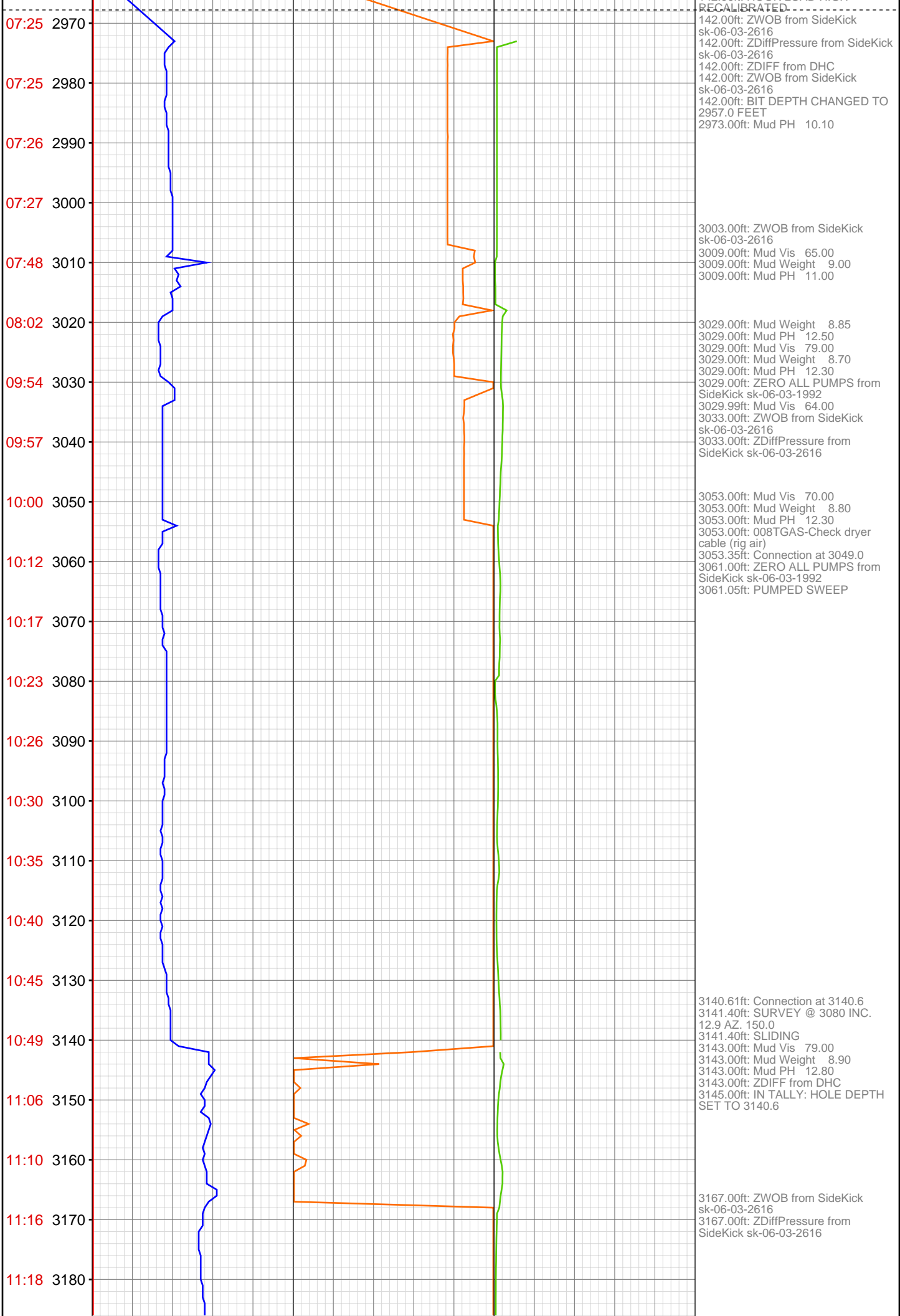
DataHub EDR Log

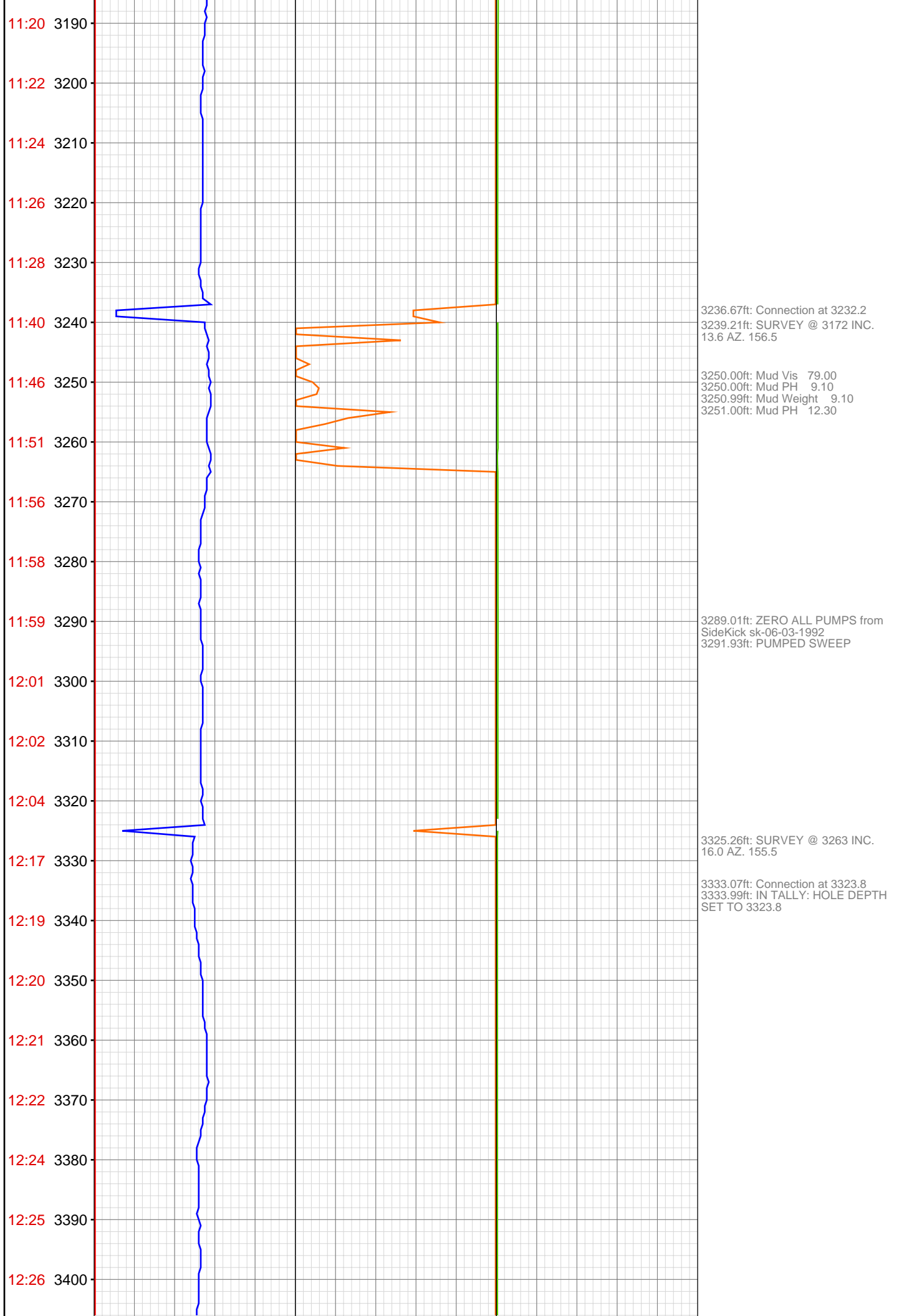
Tue Mar 29, 2011 13:50:02
Well Dossier 1300628458
Marilyn Tucker

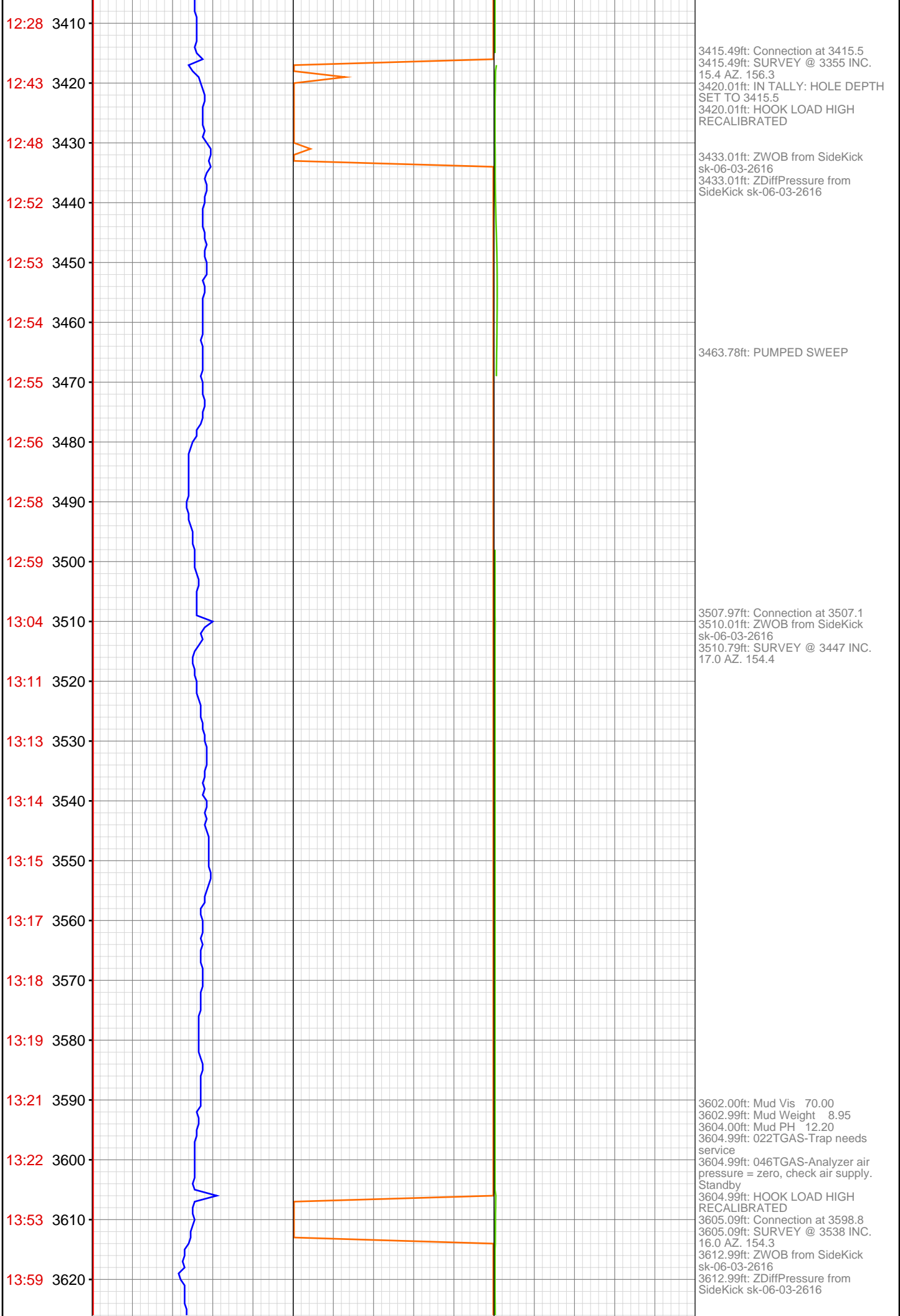
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: SGU 8509A-36 B36 496
FIELD:
LOCATION: Sec. 36 T4S R96W
COUNTRY: USA
RIG: Pat-UTI 308

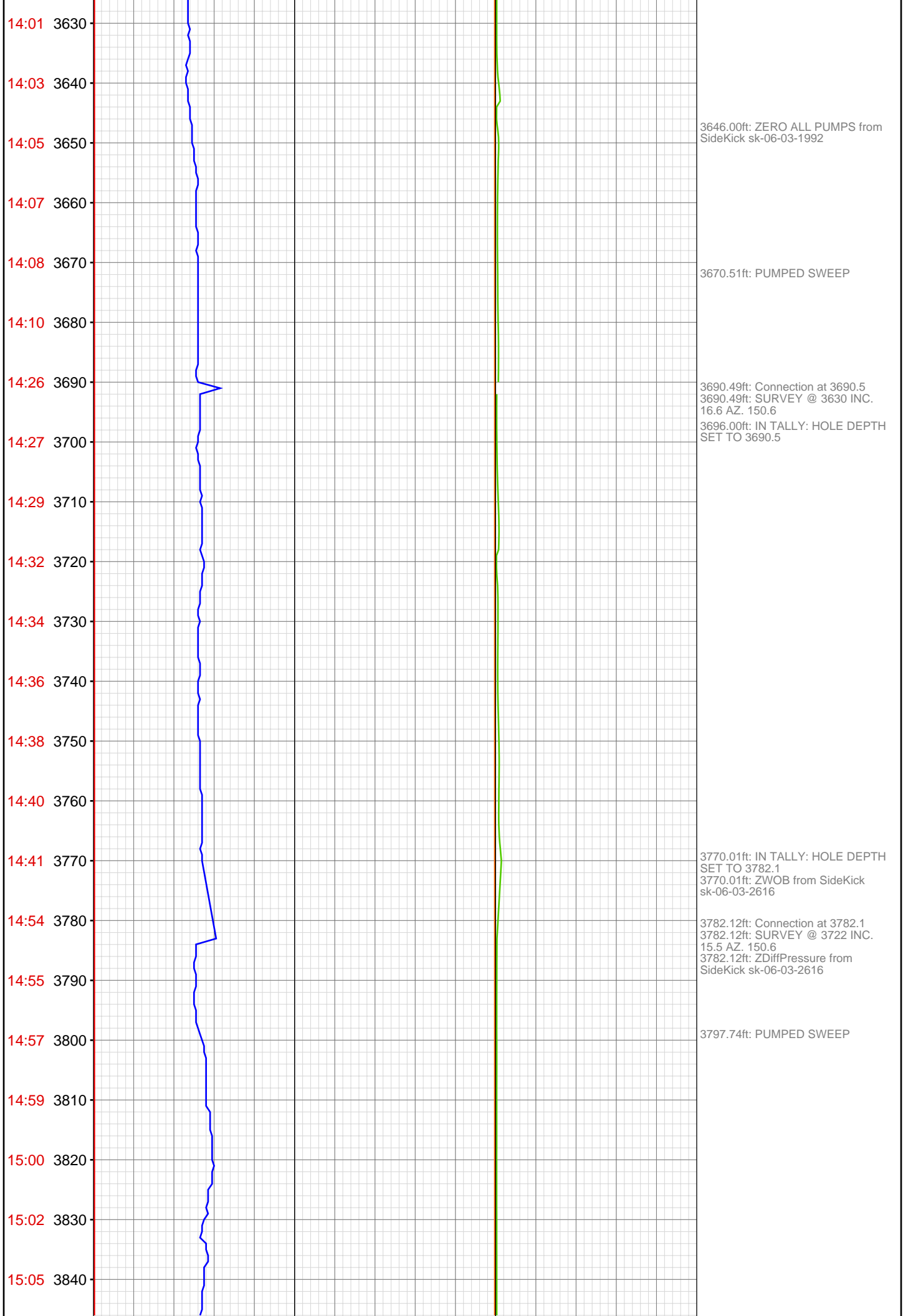
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05 045 19840 00
SPUD DATE: Mar 21, 2011 07:00
RELEASE DATE:

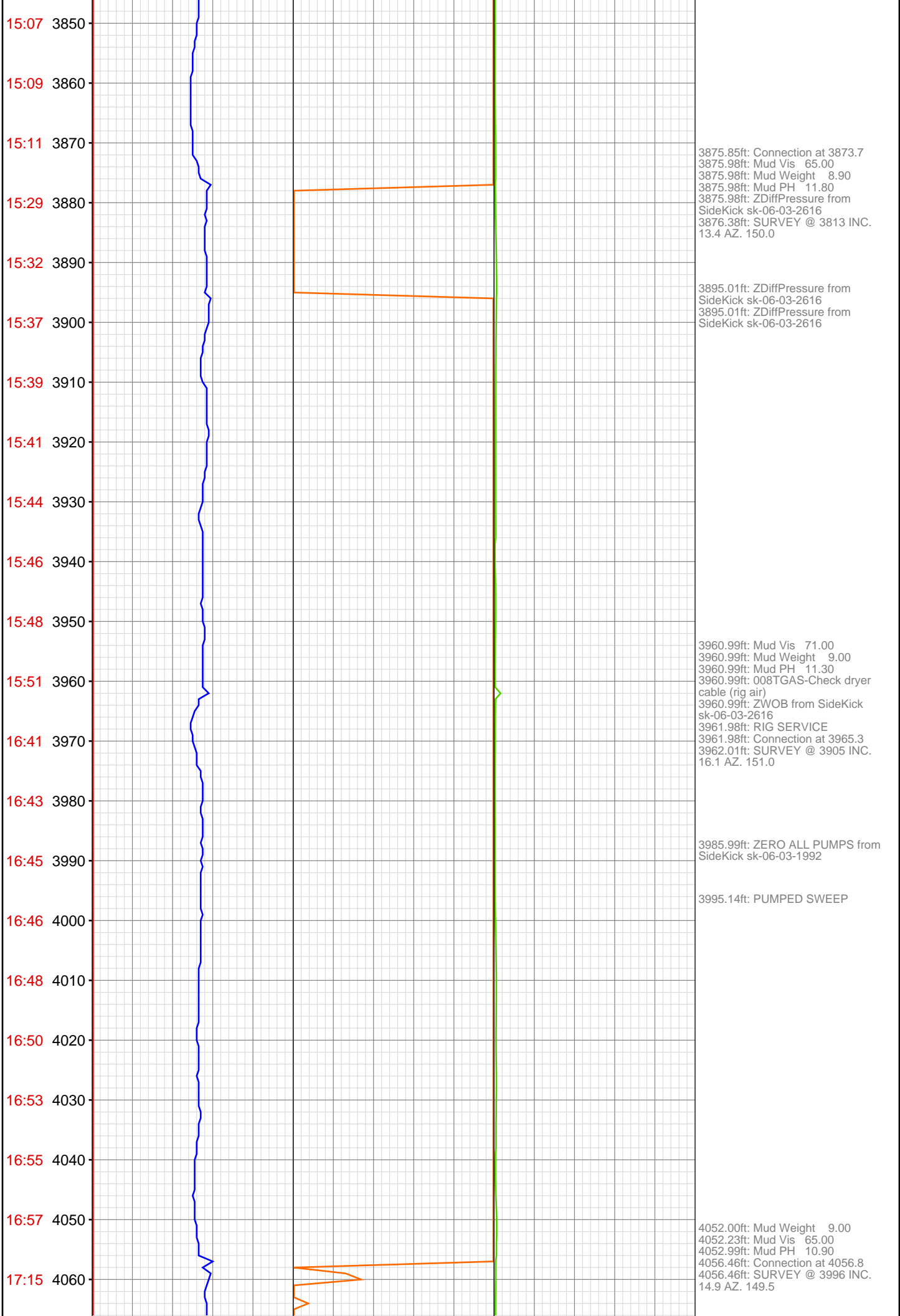


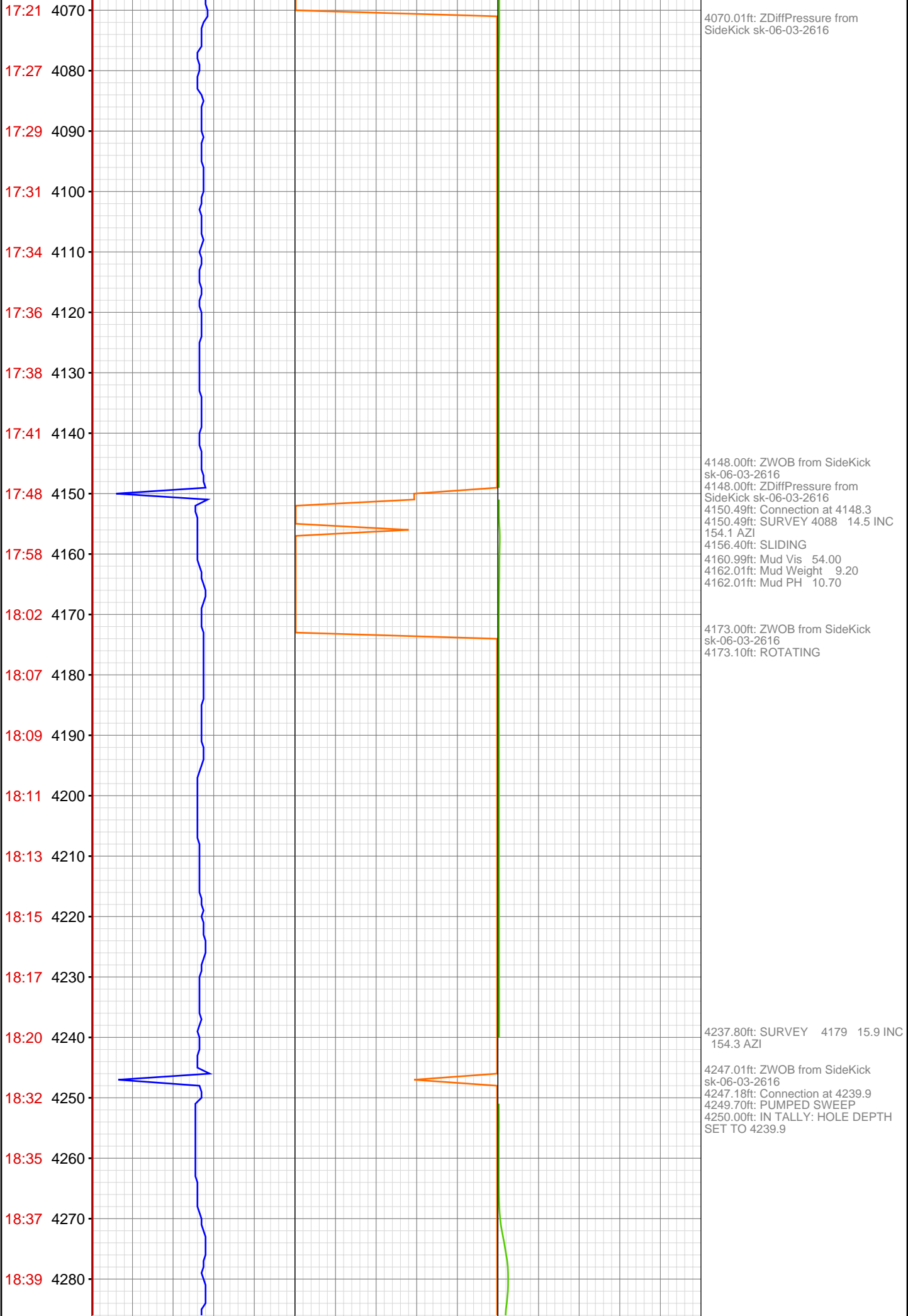


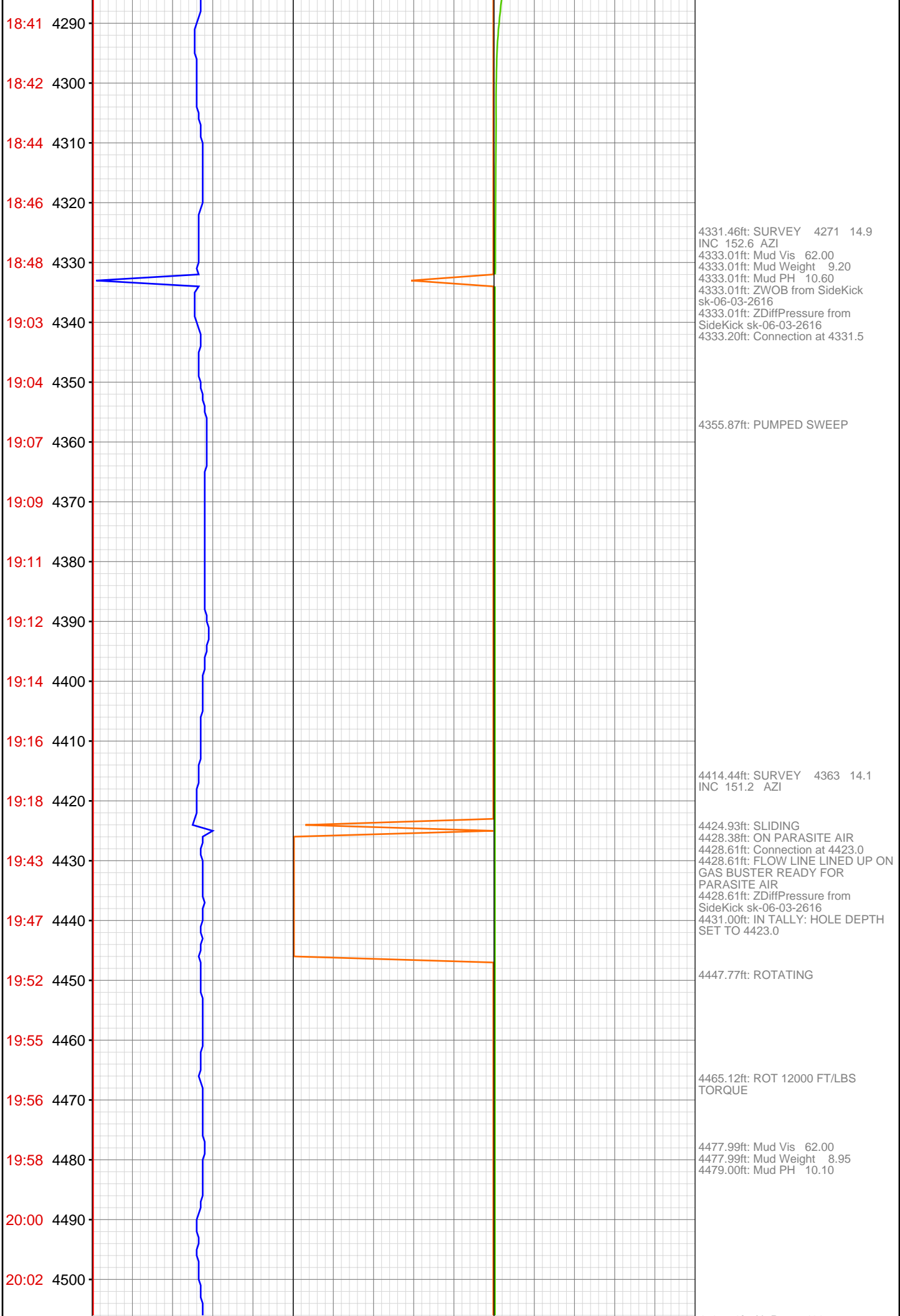


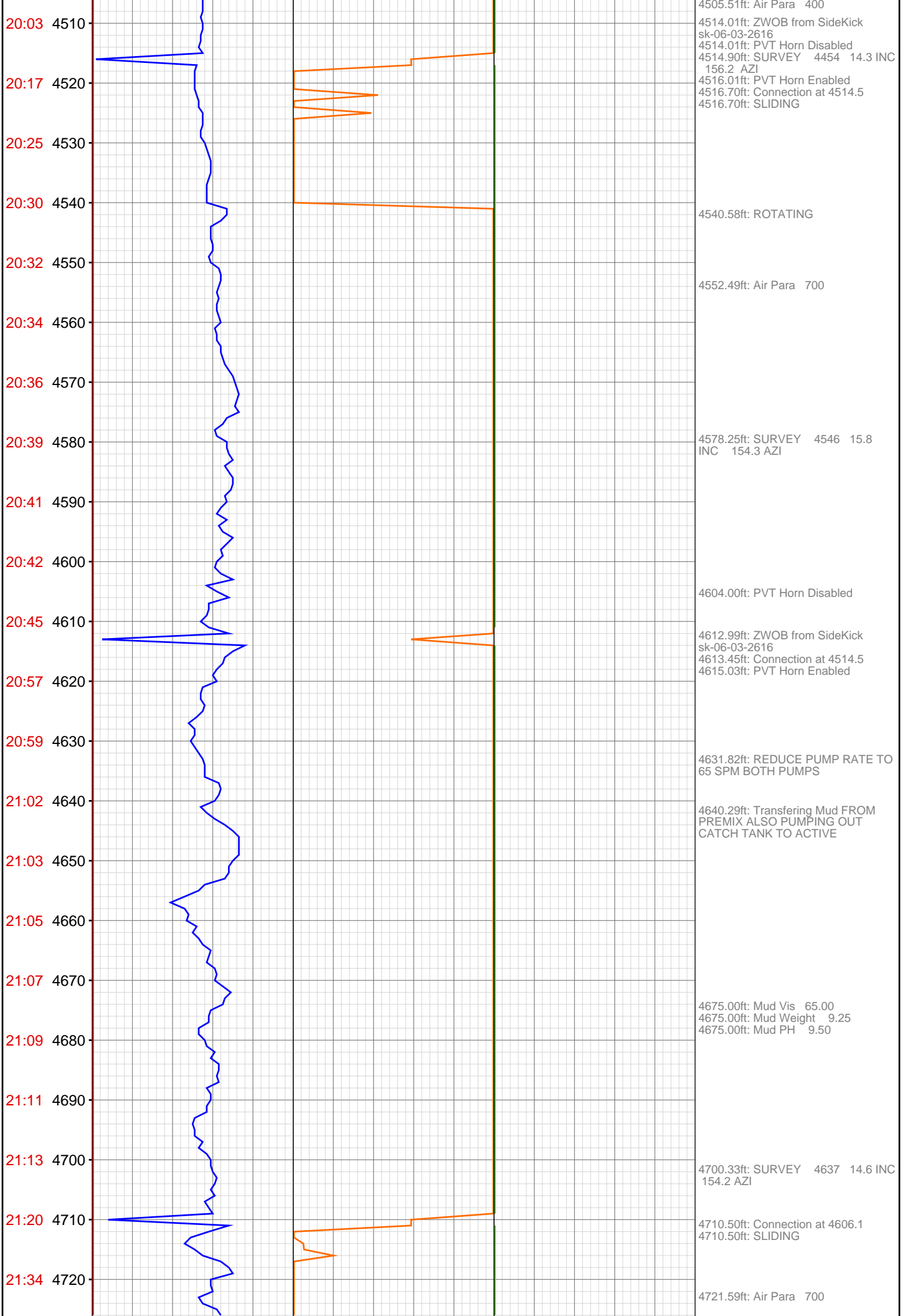


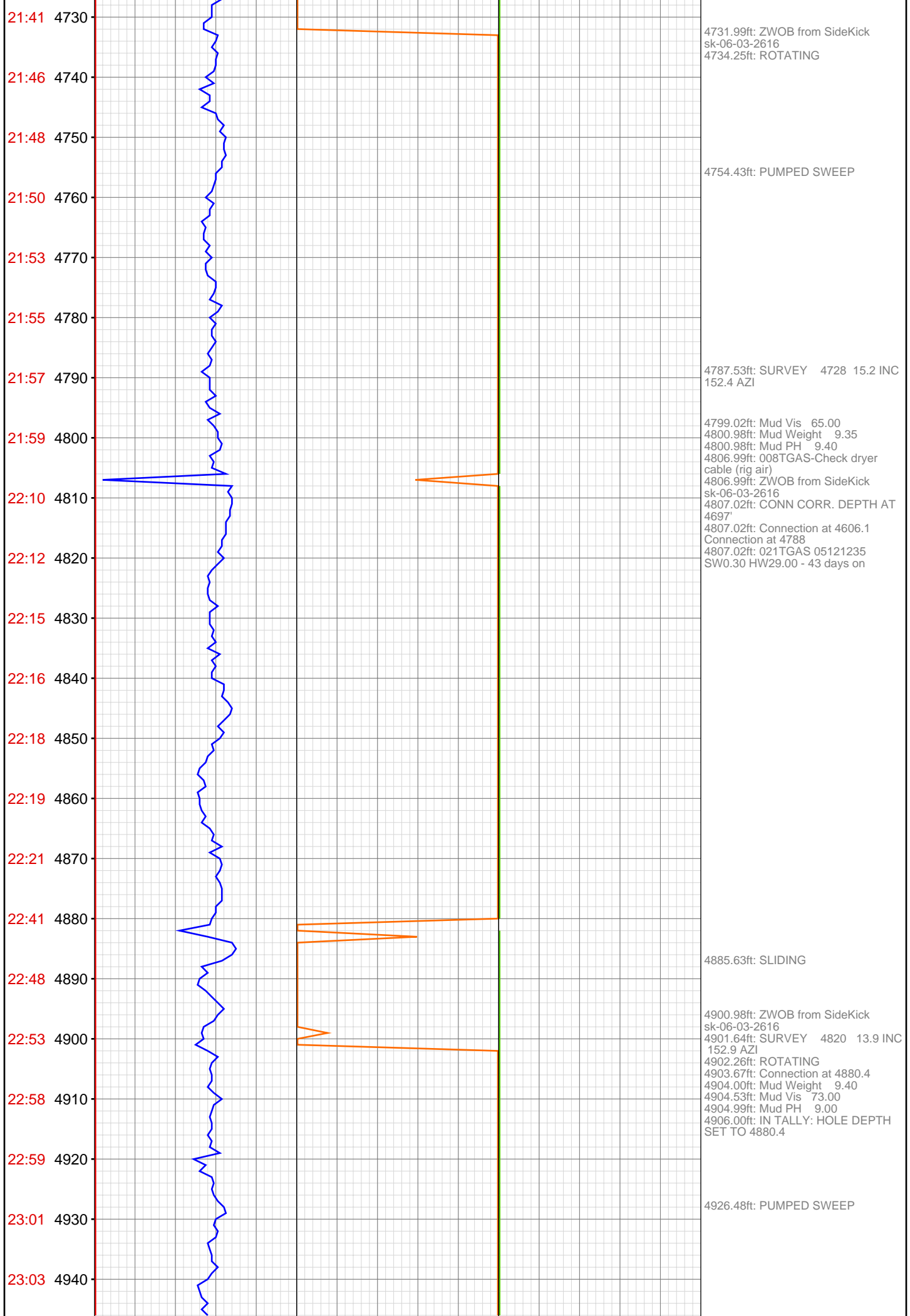


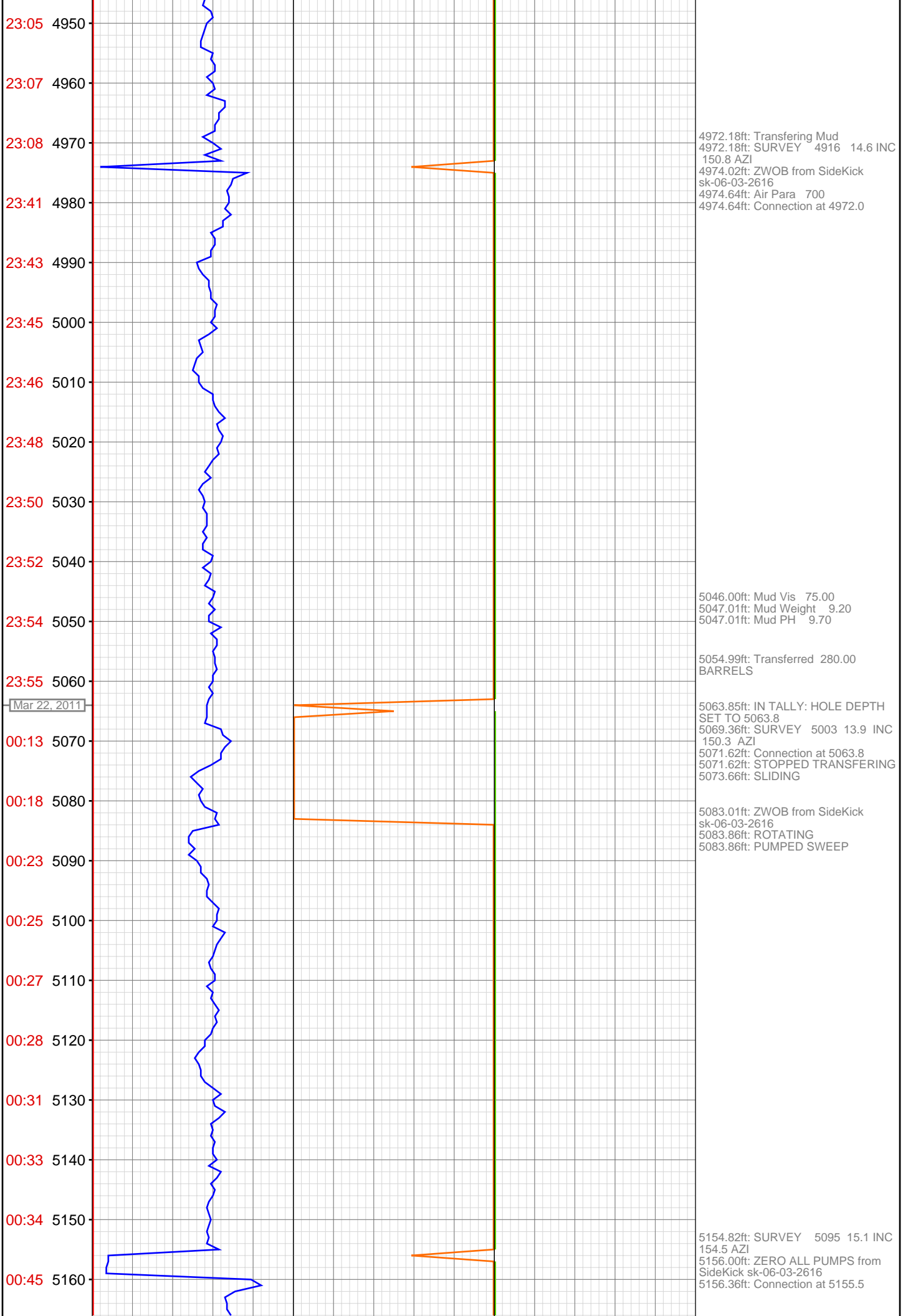


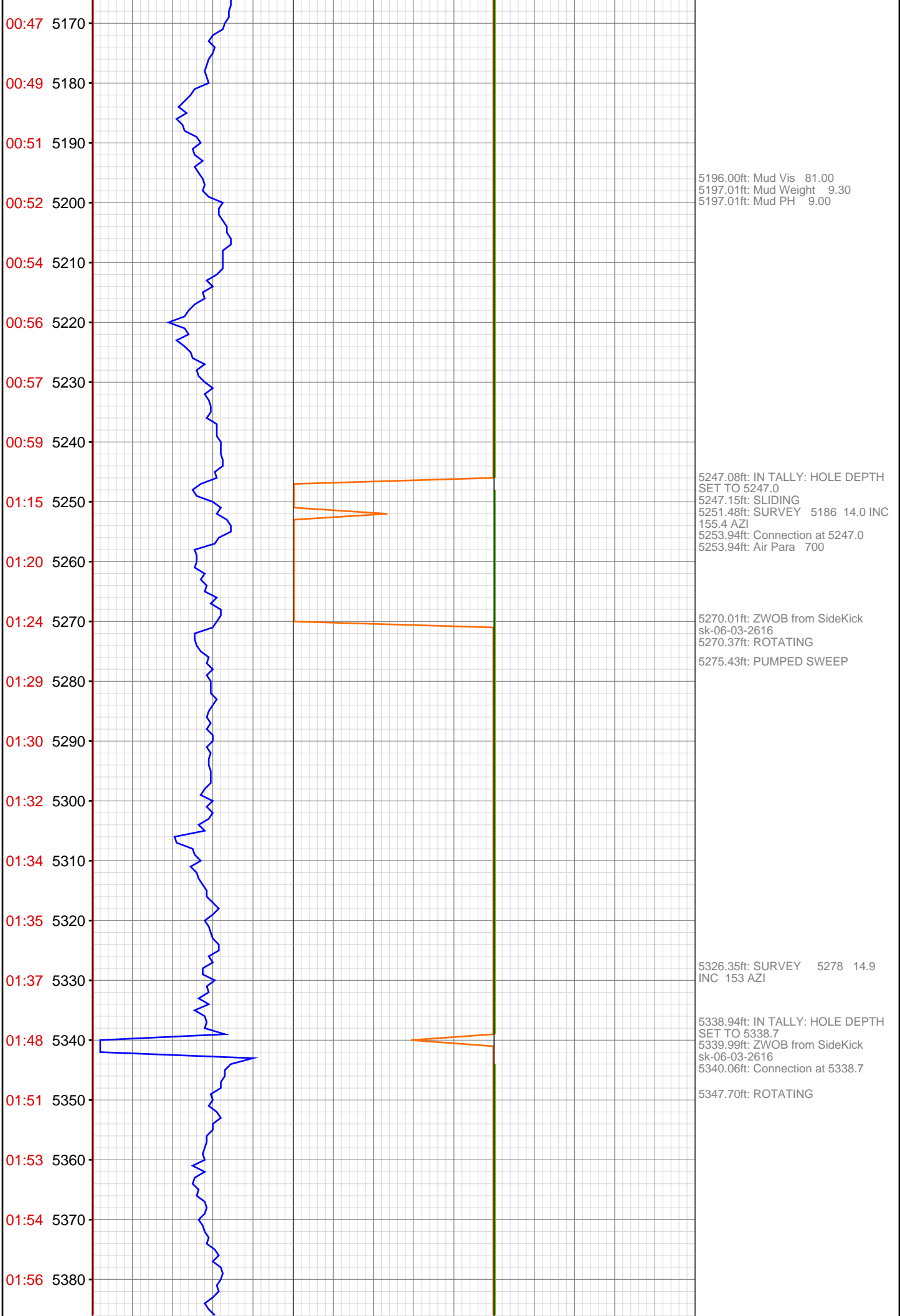


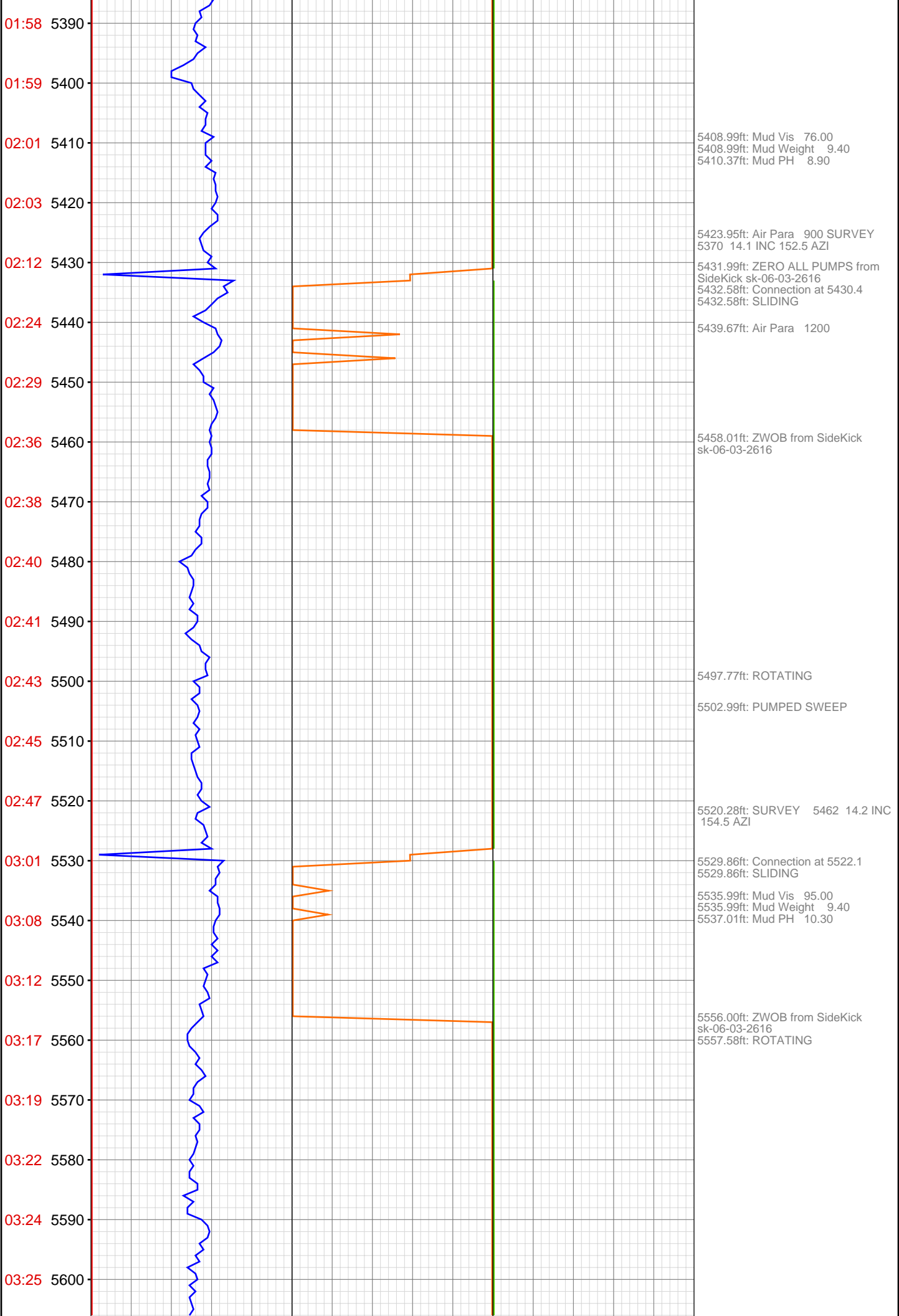




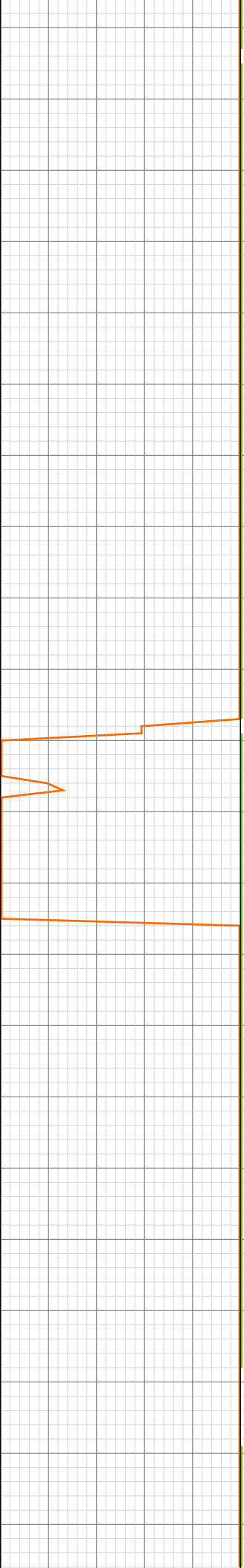








03:27 5610
03:43 5620
03:46 5630
03:48 5640
03:49 5650
03:51 5660
03:53 5670
03:55 5680
03:56 5690
03:58 5700
04:12 5710
04:18 5720
04:24 5730
04:30 5740
04:33 5750
04:35 5760
04:37 5770
04:39 5780
04:41 5790
04:42 5800
04:58 5810
05:00 5820



5624.57ft: SURVEY 5553 15.5 INC
153.1 AZI
5625.82ft: Connection at 5613.9
5625.82ft: ZWOB from SideKick
sk-06-03-2616
5627.99ft: IN TALLY: HOLE DEPTH
SET TO 5613.9
5629.43ft: Air Para 1400

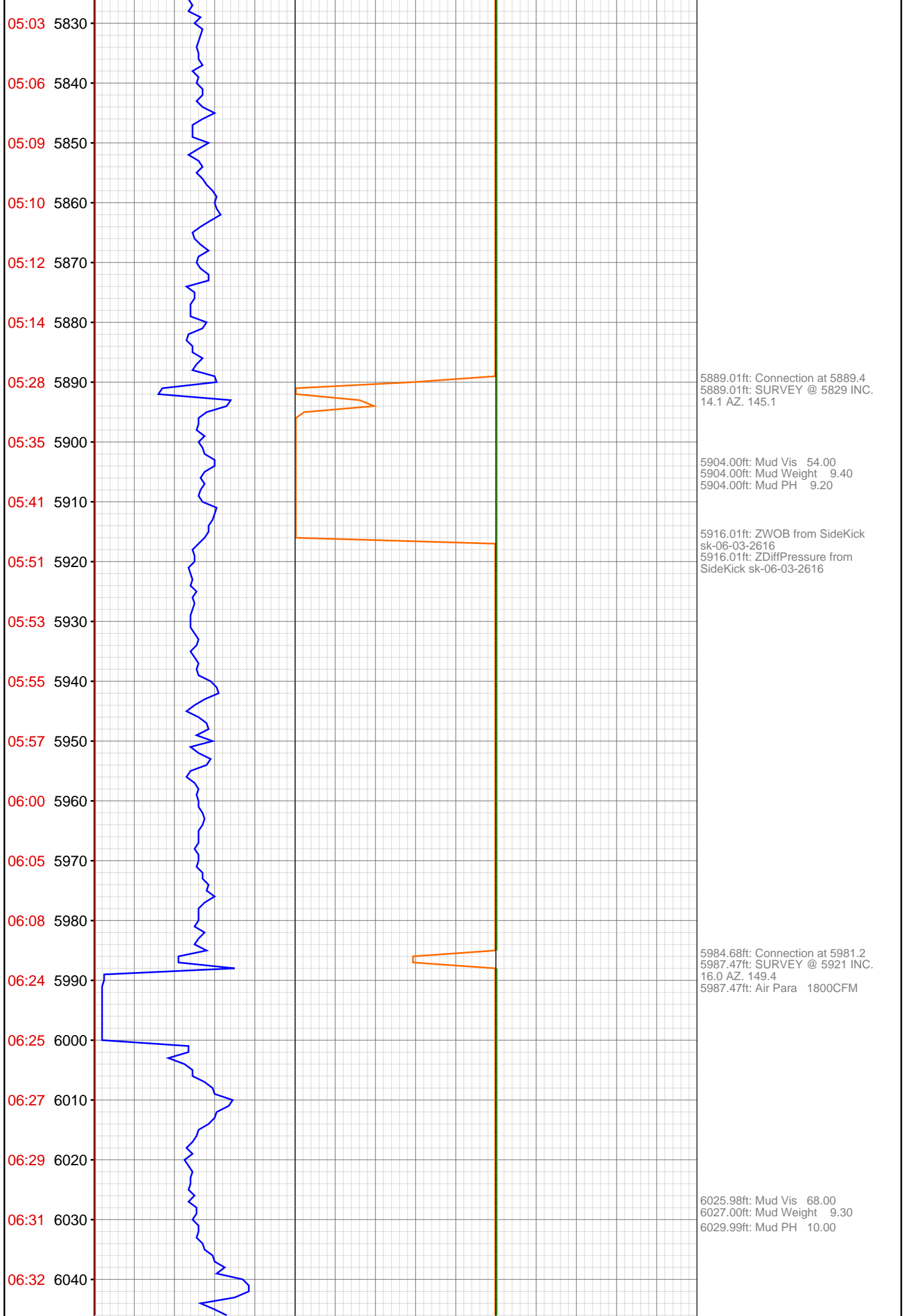
5706.00ft: Mud Vis 67.00
5706.00ft: Mud Weight 9.45
5706.00ft: Mud PH 9.80
5706.46ft: SURVEY 5645 14.5 INC
154.2 AZI
5708.01ft: 008TGAS-Check dryer
cable (rig air)
5708.01ft: ZERO ALL PUMPS from
SideKick sk-06-03-2616
5708.24ft: Connection at 5705.7

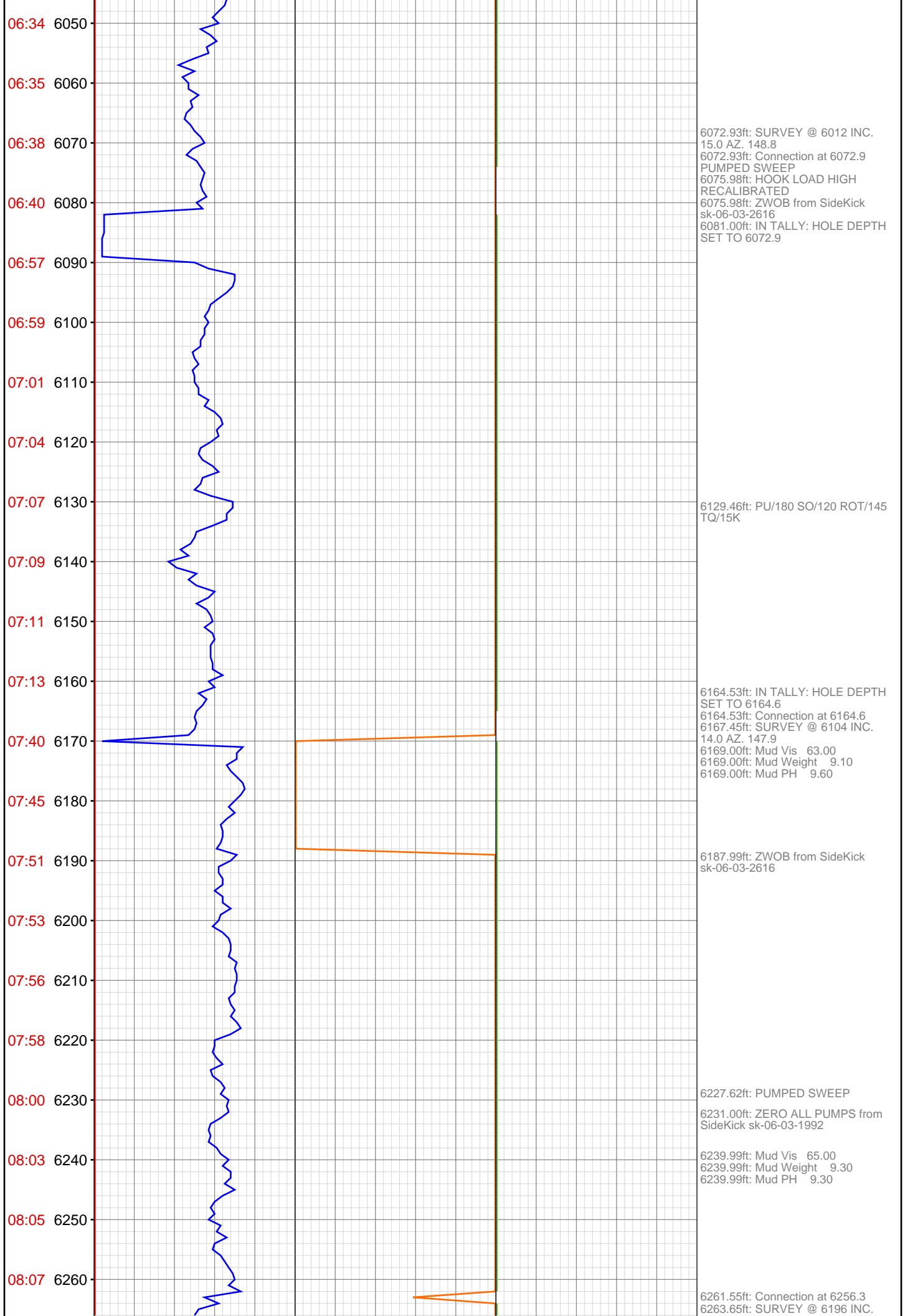
5725.30ft: SLIDING

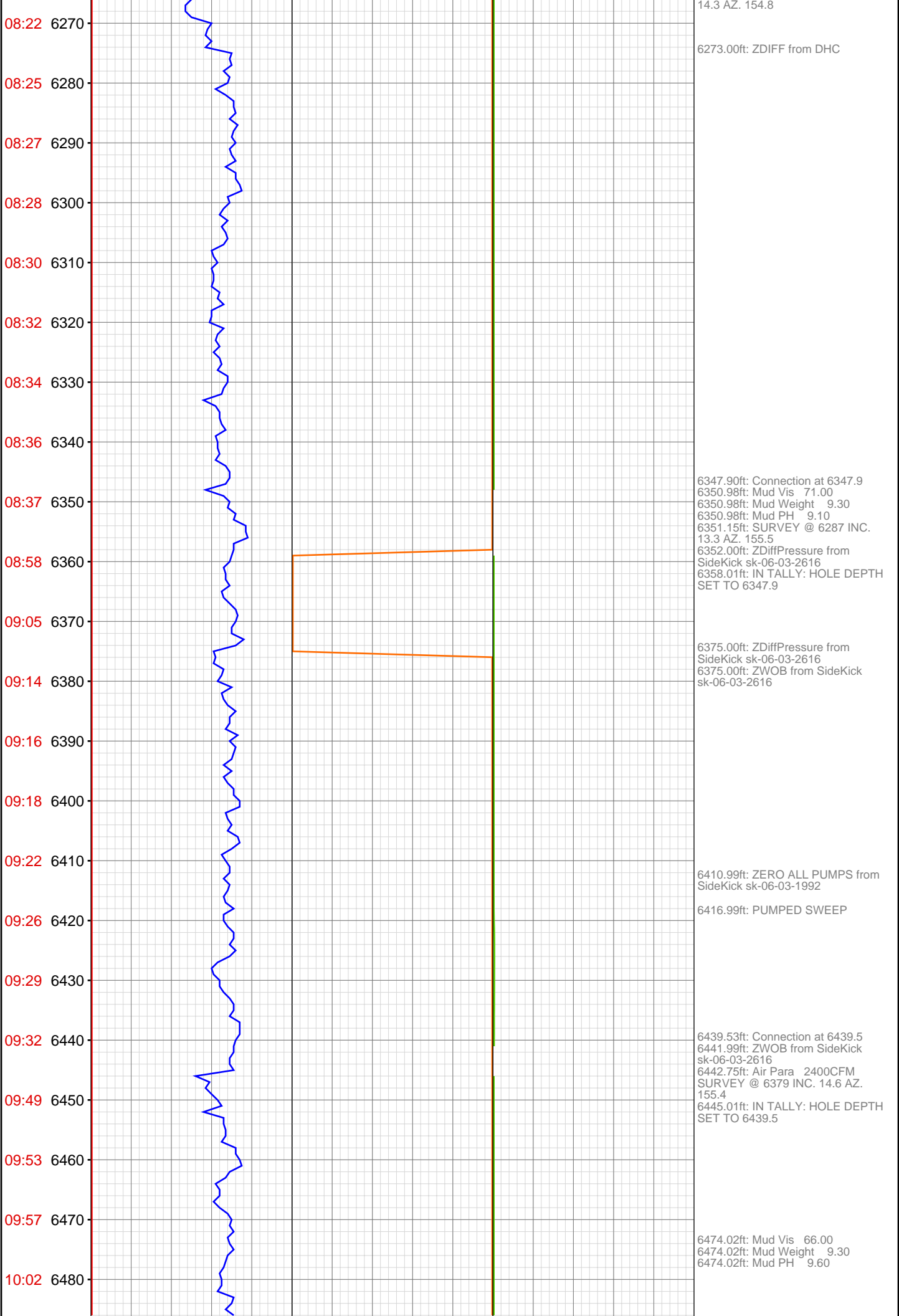
5735.30ft: ZWOB from SideKick
sk-06-03-2616

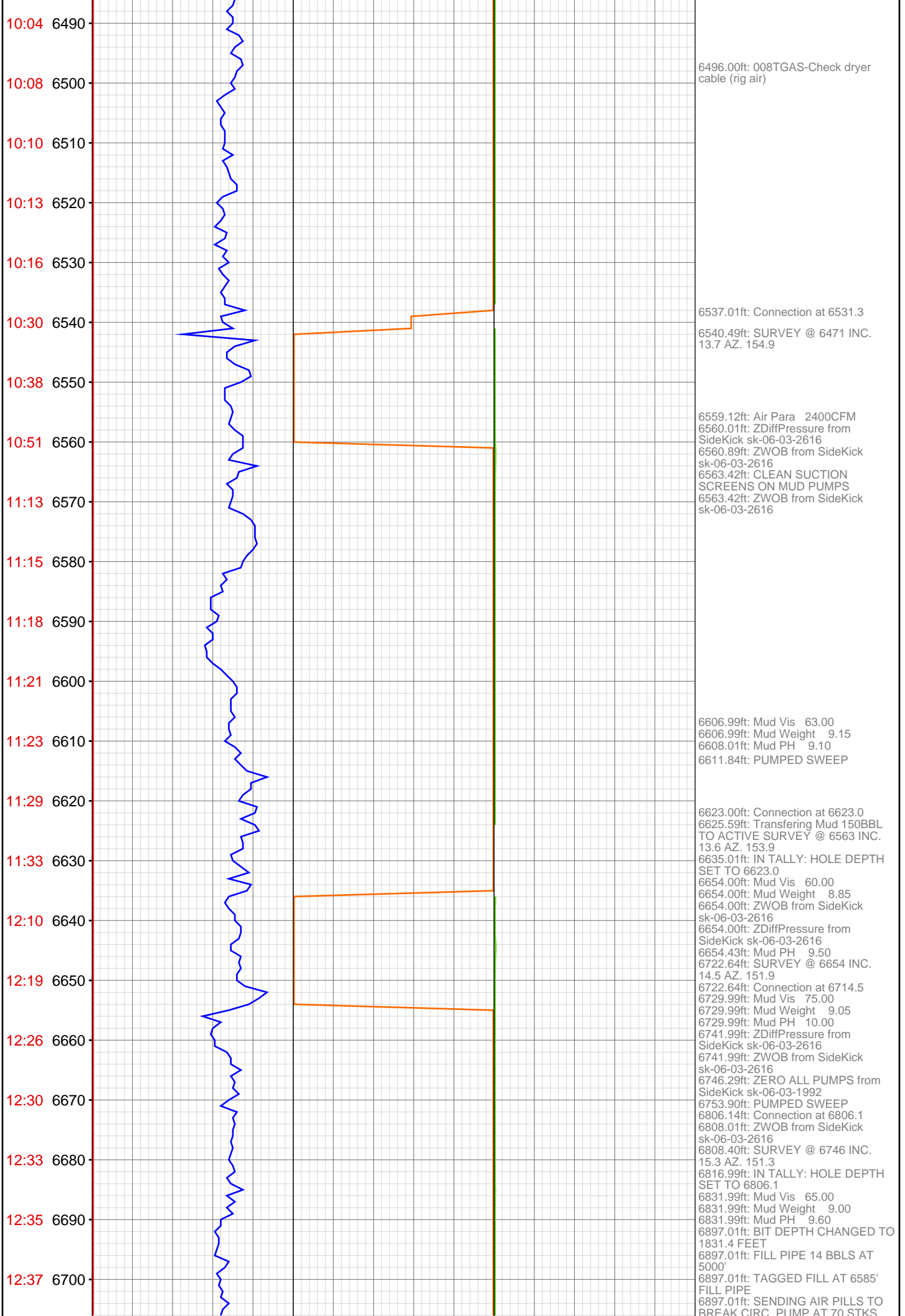
5743.70ft: Air Para 1600
5745.87ft: P/U 140 S/O 114 ROT
130 OFF BOTTOM 1900 PSI
ROTATING
5747.87ft: PUMPED SWEEP

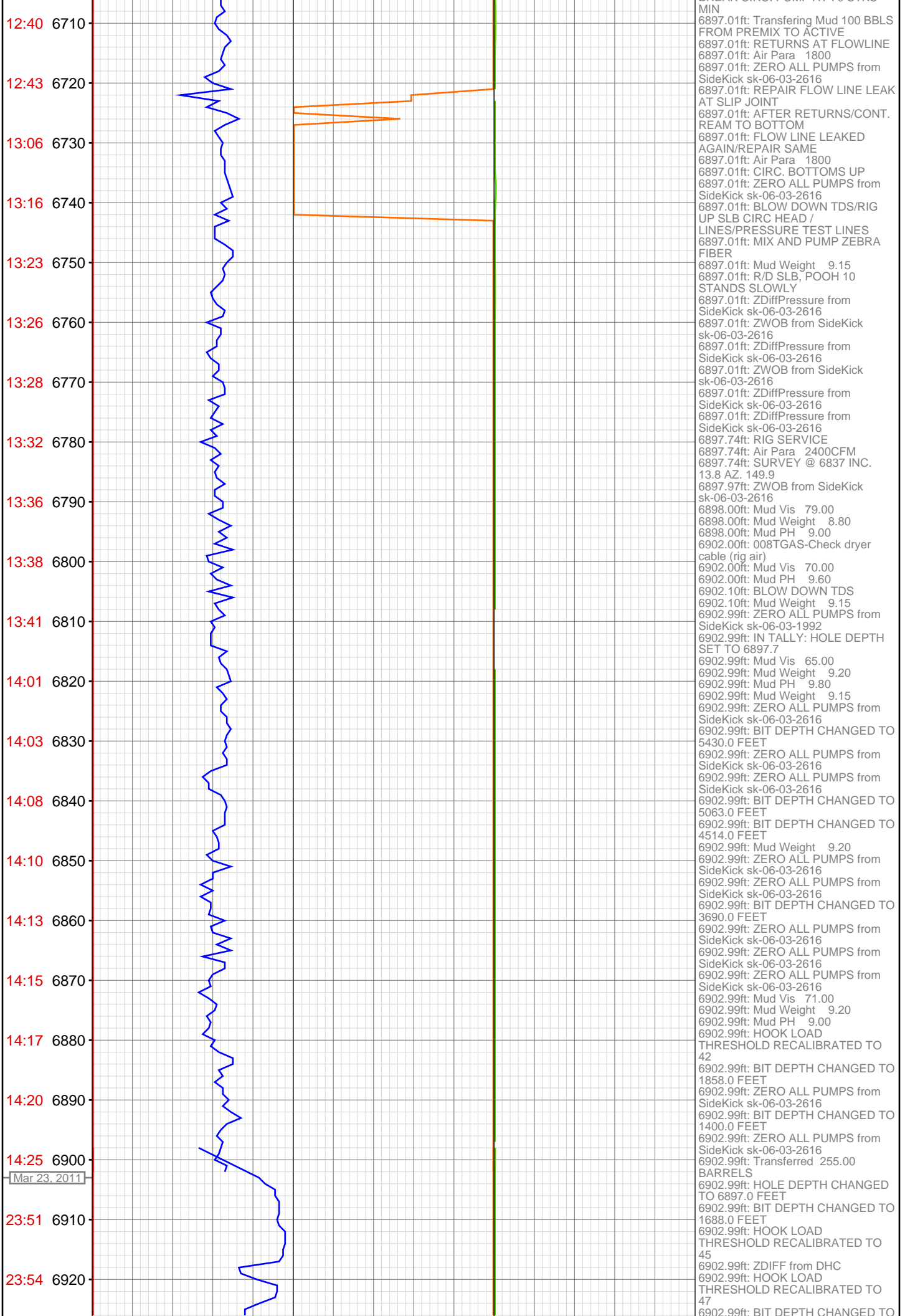
5790.32ft: SURVEY 5737 14.7 INC
145.5 AZI
5797.70ft: IN TALLY: HOLE DEPTH
SET TO 5797.5
5799.02ft: PVT Horn Disabled
5804.00ft: Mud Vis 60.00
5804.00ft: Mud Weight 9.40
5804.00ft: Mud PH 9.50
5804.89ft: Connection at 5797.5
5806.99ft: PVT Horn Enabled



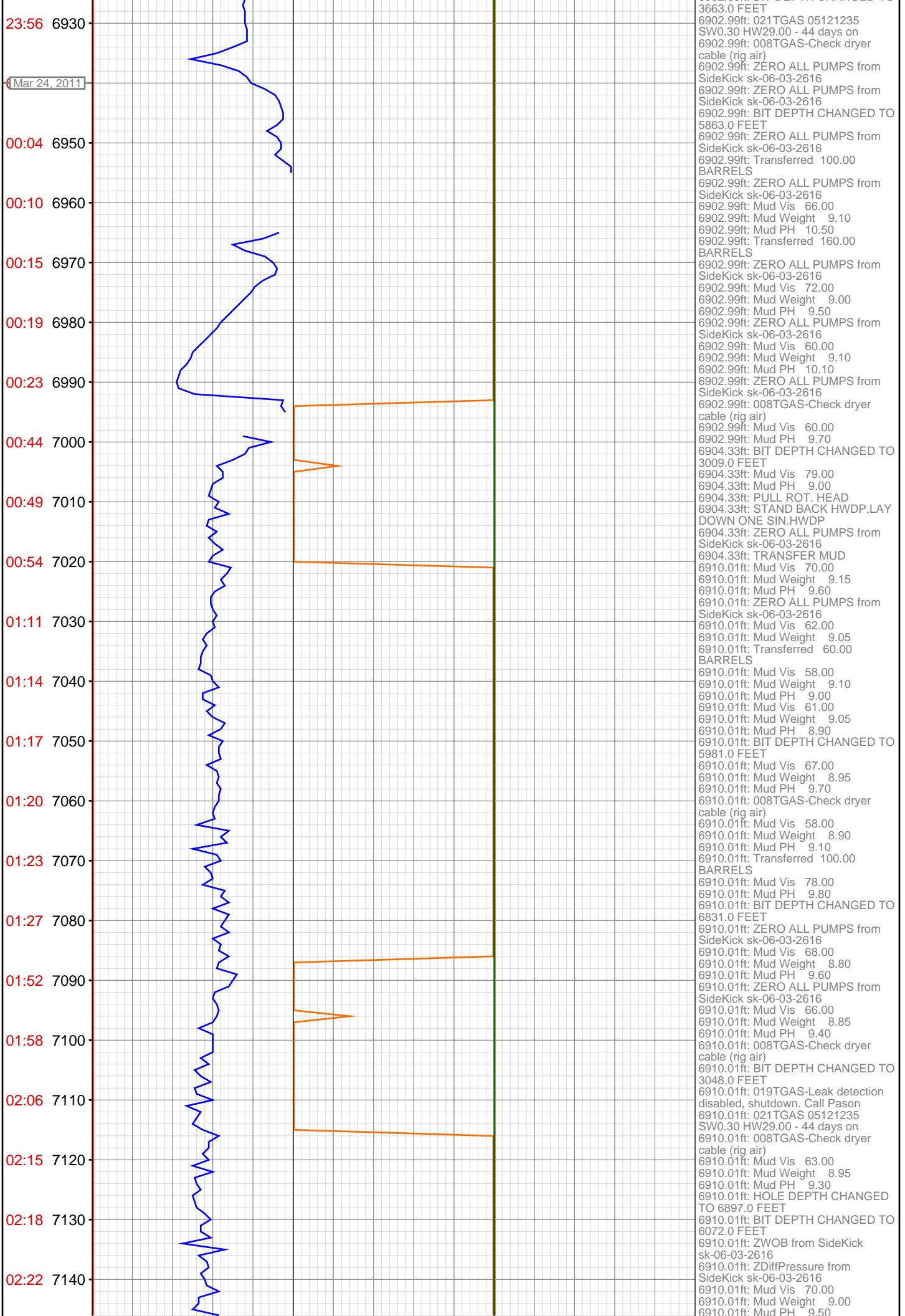


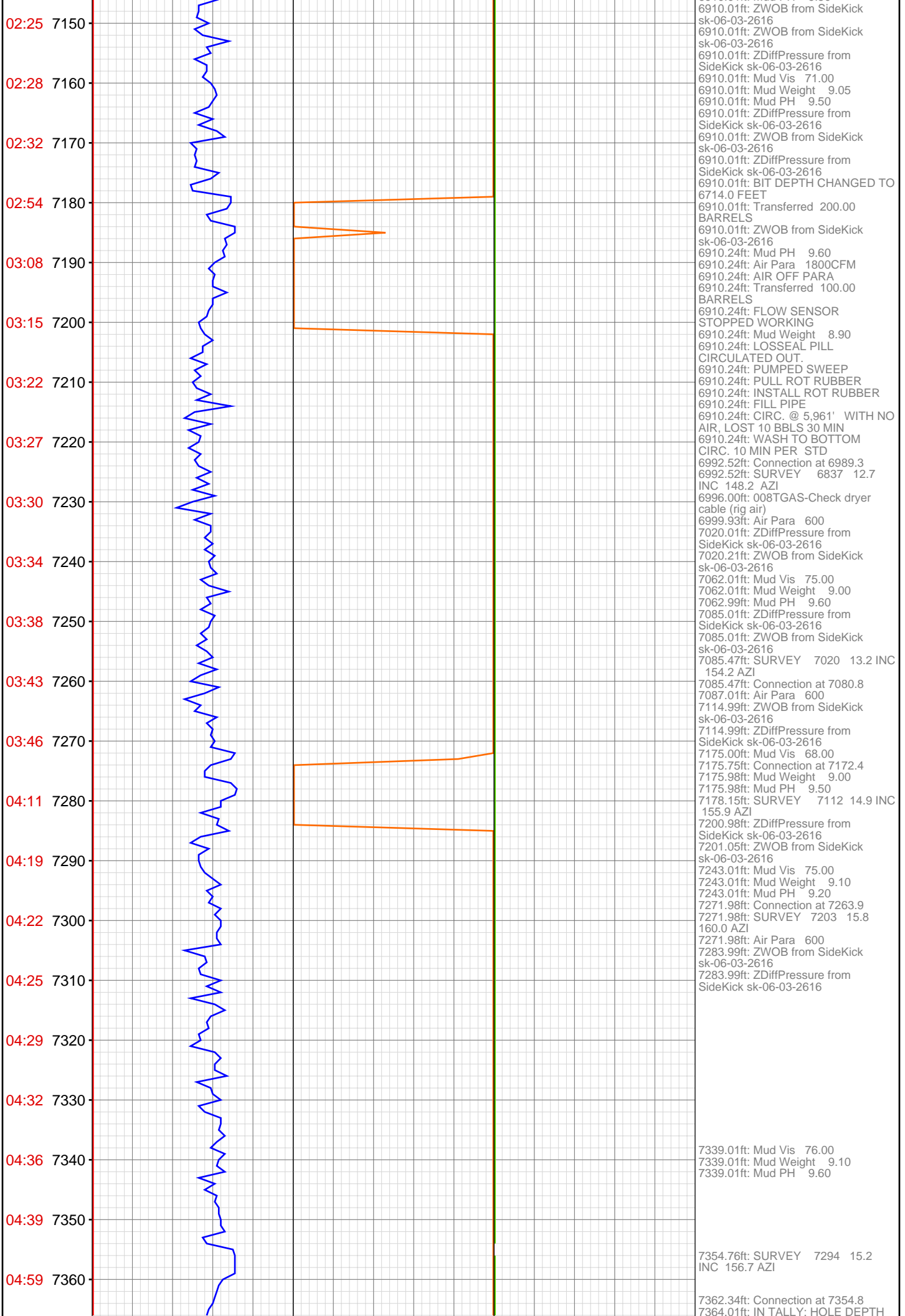


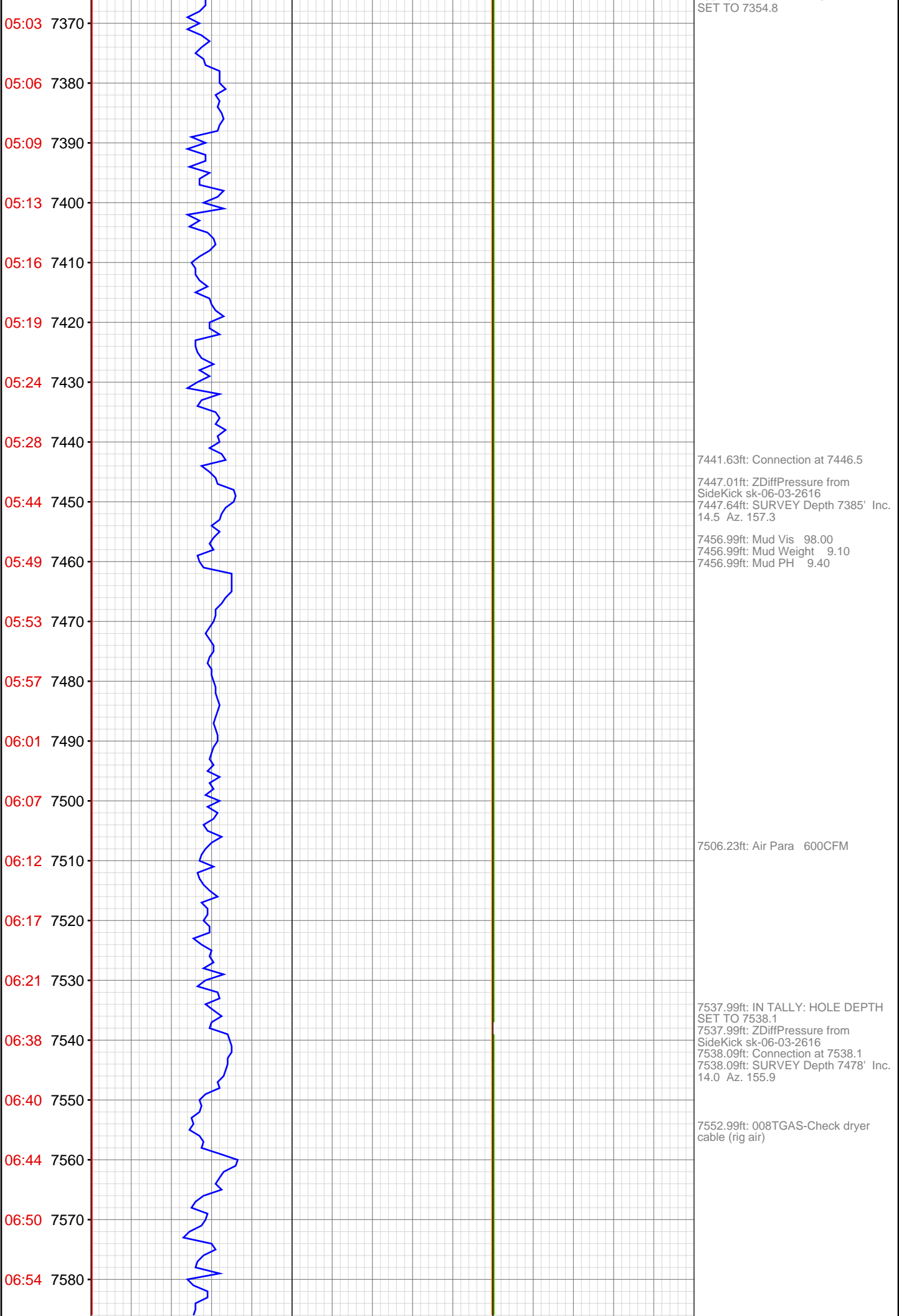




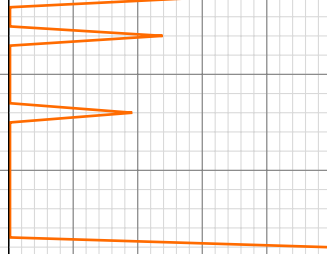
MIN
6897.01ft: Transferring Mud 100 BBLs
FROM PREMIX TO ACTIVE
6897.01ft: RETURNS AT FLOWLINE
6897.01ft: Air Para 1800
6897.01ft: ZERO ALL PUMPS from
SideKick sk-06-03-2616
6897.01ft: REPAIR FLOW LINE LEAK
AT SLIP JOINT
6897.01ft: AFTER RETURNS/CONT.
REAM TO BOTTOM
6897.01ft: FLOW LINE LEAKED
AGAIN/REPAIR SAME
6897.01ft: Air Para 1800
6897.01ft: CIRC. BOTTOMS UP
6897.01ft: ZERO ALL PUMPS from
SideKick sk-06-03-2616
6897.01ft: BLOW DOWN TDS/RIG
UP SLB CIRC HEAD /
LINES/PRESSURE TEST LINES
6897.01ft: MIX AND PUMP ZEBRA
FIBER
6897.01ft: Mud Weight 9.15
6897.01ft: R/D SLB, POOH 10
STANDS SLOWLY
6897.01ft: ZDiffPressure from
SideKick sk-06-03-2616
6897.01ft: ZWOB from SideKick
sk-06-03-2616
6897.01ft: ZDiffPressure from
SideKick sk-06-03-2616
6897.01ft: ZWOB from SideKick
sk-06-03-2616
6897.01ft: ZDiffPressure from
SideKick sk-06-03-2616
6897.01ft: ZDiffPressure from
SideKick sk-06-03-2616
6897.74ft: RIG SERVICE
6897.74ft: Air Para 2400CFM
6897.74ft: SURVEY @ 6837 INC.
13.8 AZ. 149.9
6897.97ft: ZWOB from SideKick
sk-06-03-2616
6898.00ft: Mud Vis 79.00
6898.00ft: Mud Weight 8.80
6898.00ft: Mud PH 9.00
6902.00ft: 008TGAS-Check dryer
cable (rig air)
6902.00ft: Mud Vis 70.00
6902.00ft: Mud PH 9.60
6902.10ft: BLOW DOWN TDS
6902.10ft: Mud Weight 9.15
6902.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-1992
6902.99ft: IN TALLY: HOLE DEPTH
SET TO 6897.7
6902.99ft: Mud Vis 65.00
6902.99ft: Mud Weight 9.20
6902.99ft: Mud PH 9.80
6902.99ft: Mud Weight 9.15
6902.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-2616
6902.99ft: BIT DEPTH CHANGED TO
5430.0 FEET
6902.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-2616
6902.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-2616
6902.99ft: BIT DEPTH CHANGED TO
5063.0 FEET
6902.99ft: BIT DEPTH CHANGED TO
4514.0 FEET
6902.99ft: Mud Weight 9.20
6902.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-2616
6902.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-2616
6902.99ft: BIT DEPTH CHANGED TO
3690.0 FEET
6902.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-2616
6902.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-2616
6902.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-2616
6902.99ft: Mud Vis 71.00
6902.99ft: Mud Weight 9.20
6902.99ft: Mud PH 9.00
6902.99ft: HOOK LOAD
THRESHOLD RECALIBRATED TO
42
6902.99ft: BIT DEPTH CHANGED TO
1858.0 FEET
6902.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-2616
6902.99ft: BIT DEPTH CHANGED TO
1400.0 FEET
6902.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-2616
6902.99ft: Transferred 255.00
BARRELS
6902.99ft: HOLE DEPTH CHANGED
TO 6897.0 FEET
6902.99ft: BIT DEPTH CHANGED TO
1688.0 FEET
6902.99ft: HOOK LOAD
THRESHOLD RECALIBRATED TO
45
6902.99ft: ZDIFF from DHC
6902.99ft: HOOK LOAD
THRESHOLD RECALIBRATED TO
47
6902.99ft: BIT DEPTH CHANGED TO







06:56 7590
06:59 7600
07:03 7610
07:07 7620
07:27 7630
07:45 7640
07:52 7650
08:01 7660
08:04 7670
08:07 7680
08:10 7690
08:12 7700
08:15 7710
08:18 7720
08:36 7730
08:39 7740
08:43 7750
08:46 7760
08:49 7770
08:52 7780
08:55 7790
08:58 7800



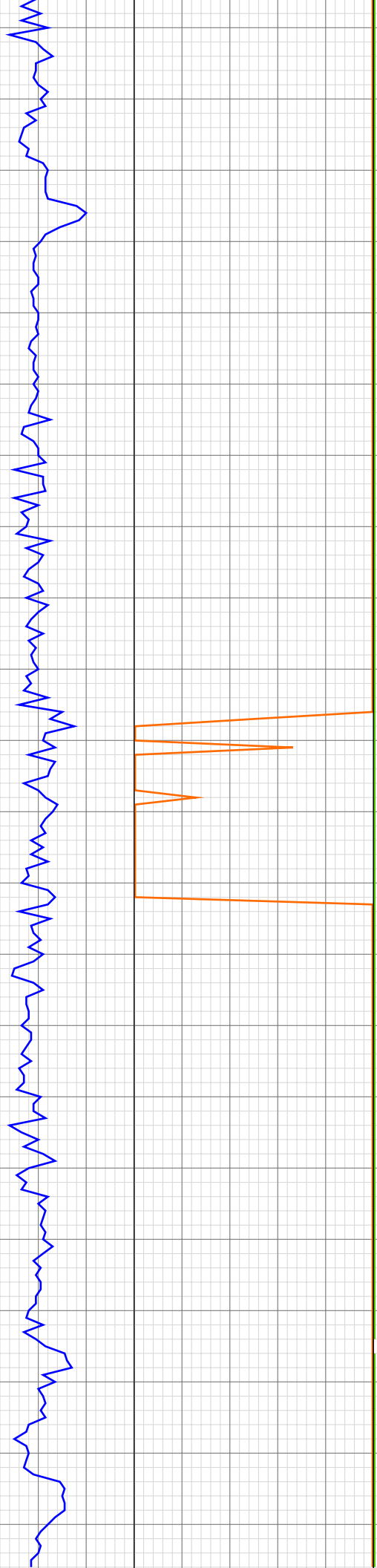
7610.99ft: Mud Vis 80.00
7612.01ft: Mud PH 9.10
7612.24ft: Mud Weight 9.15

7629.82ft: Connection at 7629.8
7629.82ft: SURVEY Depth 7569' Inc.
13.8 Az. 156.6
7629.82ft: SLIDING
7629.99ft: IN TALLY: HOLE DEPTH
SET TO 7629.8
7629.99ft: ZDiffPressure from
SideKick sk-06-03-2616
7629.99ft: ZDiffPressure from
SideKick sk-06-03-2616

7661.45ft: Air Para 600CFM
7664.99ft: Mud Vis 78.00
7664.99ft: Mud Weight 9.10
7664.99ft: Mud PH 8.80

7721.42ft: Connection at 7721.4
7721.42ft: SURVEY Depth 7661' Inc.
15.3 Az. 152.1
7722.01ft: IN TALLY: HOLE DEPTH
SET TO 7721.4
7722.01ft: ZDiffPressure from
SideKick sk-06-03-2616
7722.01ft: Transferred 70.00
BARRELS
7725.00ft: ZDiffPressure from
SideKick sk-06-03-2616

09:02 7810
09:15 7820
09:21 7830
09:26 7840
09:29 7850
09:33 7860
09:38 7870
09:42 7880
09:47 7890
09:52 7900
10:15 7910
10:26 7920
10:36 7930
10:42 7940
10:44 7950
10:47 7960
10:49 7970
10:54 7980
10:57 7990
11:17 8000
11:21 8010
11:25 8020



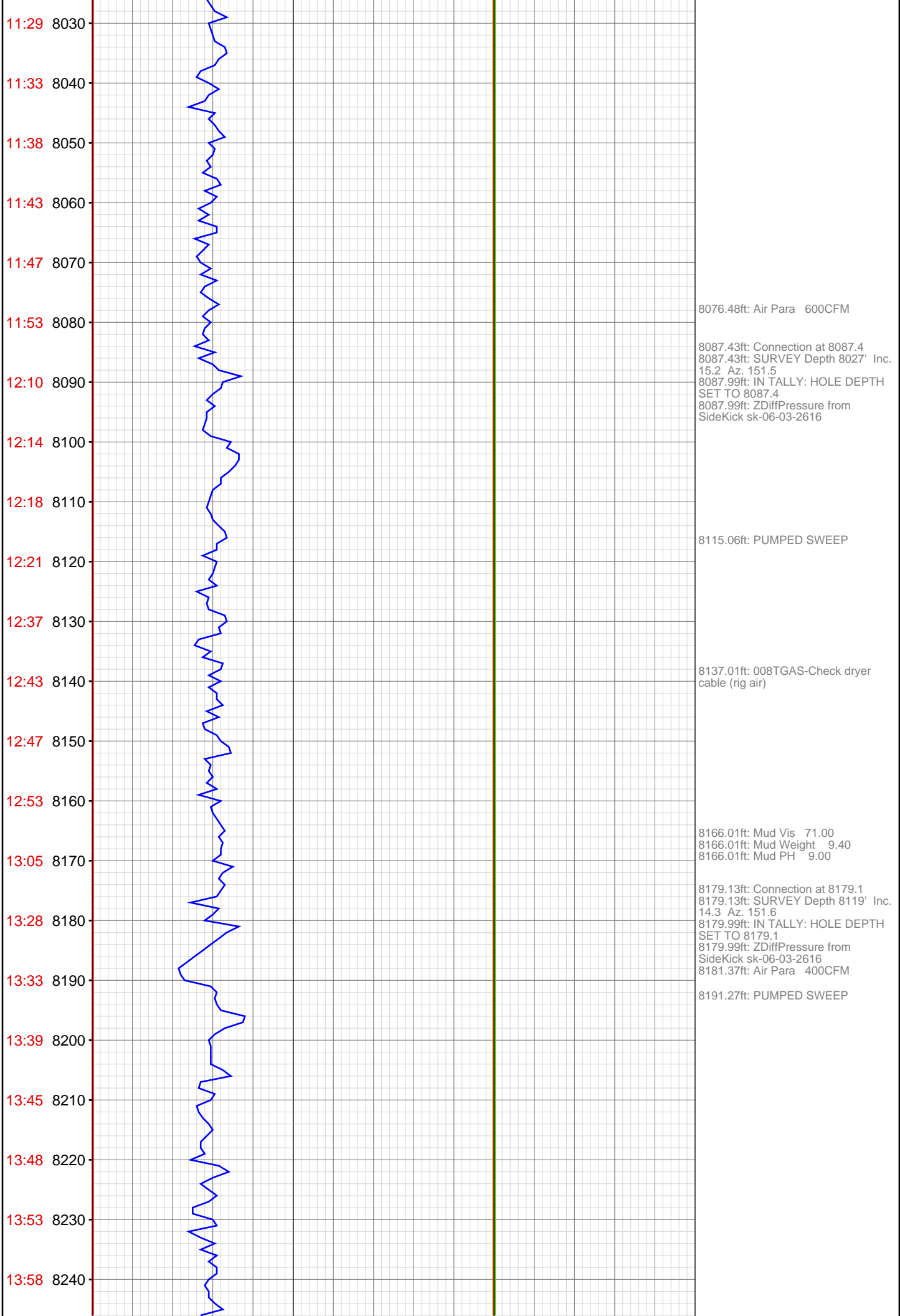
7812.93ft: Connection at 7812.9
7812.93ft: SURVEY Depth 7752' Inc.
14.9 Az. 152.1
7812.99ft: IN TALLY: HOLE DEPTH
SET TO 7812.9
7812.99ft: Mud Vis 72.00
7812.99ft: Mud Weight 9.15
7812.99ft: Mud PH 8.90
7812.99ft: ZDiffPressure from
SideKick sk-06-03-2616

7904.40ft: IN TALLY: HOLE DEPTH
SET TO 7904.4
7904.40ft: Connection at 7904.4
7904.40ft: SLIDING
7904.99ft: ZDiffPressure from
SideKick sk-06-03-2616
7904.99ft: ZDiffPressure from
SideKick sk-06-03-2616
7904.99ft: Mud Vis 72.00
7904.99ft: Mud Weight 9.20
7904.99ft: Mud PH 8.70
7910.01ft: ZDiffPressure from
SideKick sk-06-03-2616

7918.87ft: SURVEY Depth 7844' Inc.
14.3 Az. 153.1

7931.99ft: ZDiffPressure from
SideKick sk-06-03-2616

7995.01ft: IN TALLY: HOLE DEPTH
SET TO 7995.9
7995.01ft: Mud Vis 66.00
7995.01ft: Mud Weight 9.50
7995.01ft: Mud PH 9.00
7995.01ft: ZWOB from SideKick
sk-06-03-2616
7995.93ft: Connection at 7995.9
7995.93ft: SURVEY Depth 7935' Inc.
16.1 Az. 149.9



14:03 8250
14:08 8260
14:12 8270
14:32 8280
14:35 8290
14:44 8300
14:49 8310
14:55 8320
15:06 8330
15:17 8340
15:23 8350
15:28 8360
15:47 8370
15:59 8380
16:03 8390
16:11 8400
16:17 8410
16:28 8420
16:36 8430
16:44 8440
16:54 8450
17:25 8460



8260.01ft: Mud Vis 74.00
8260.99ft: Mud Weight 9.45
8260.99ft: Mud PH 9.20
8262.43ft: Air Para 400CFM

8270.80ft: SURVEY Depth 8210' Inc. 14.0 Az. 151.4
8270.80ft: Connection at 8270.8
8271.00ft: IN TALLY: HOLE DEPTH SET TO 8270.8

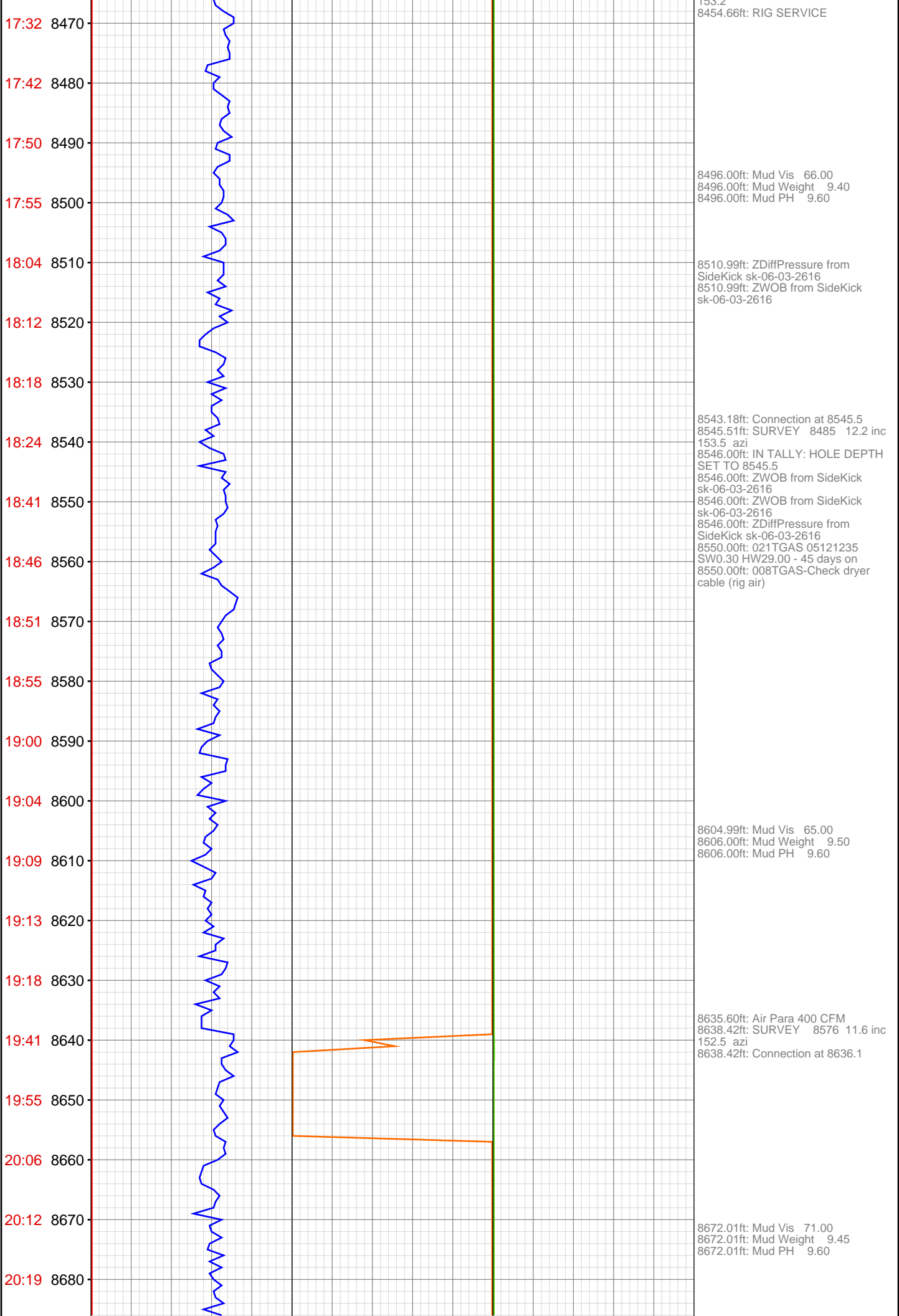
8280.41ft: PUMPED SWEEP

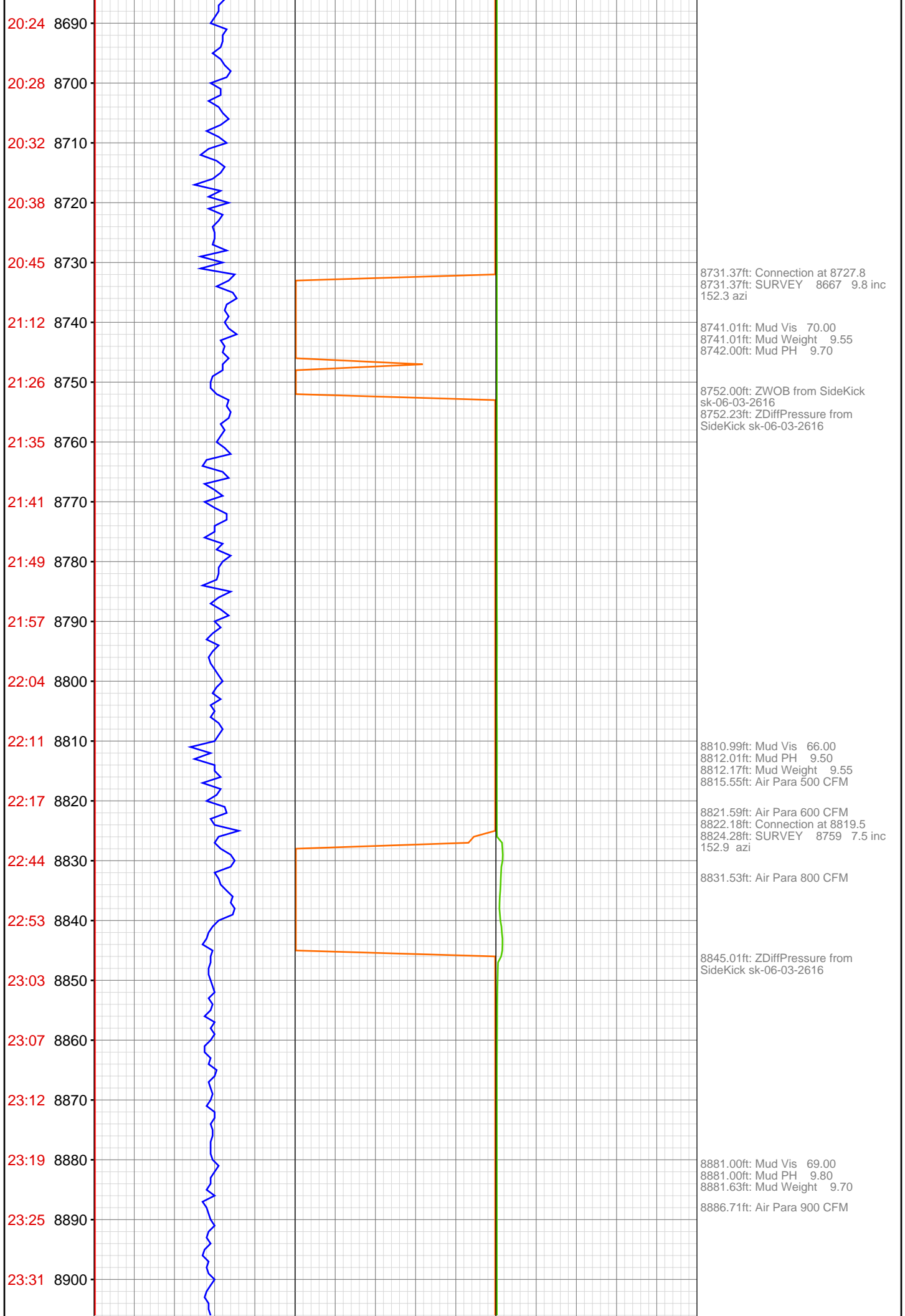
8333.01ft: Mud Vis 67.00
8333.01ft: Mud Weight 9.55
8333.99ft: Mud PH 9.00

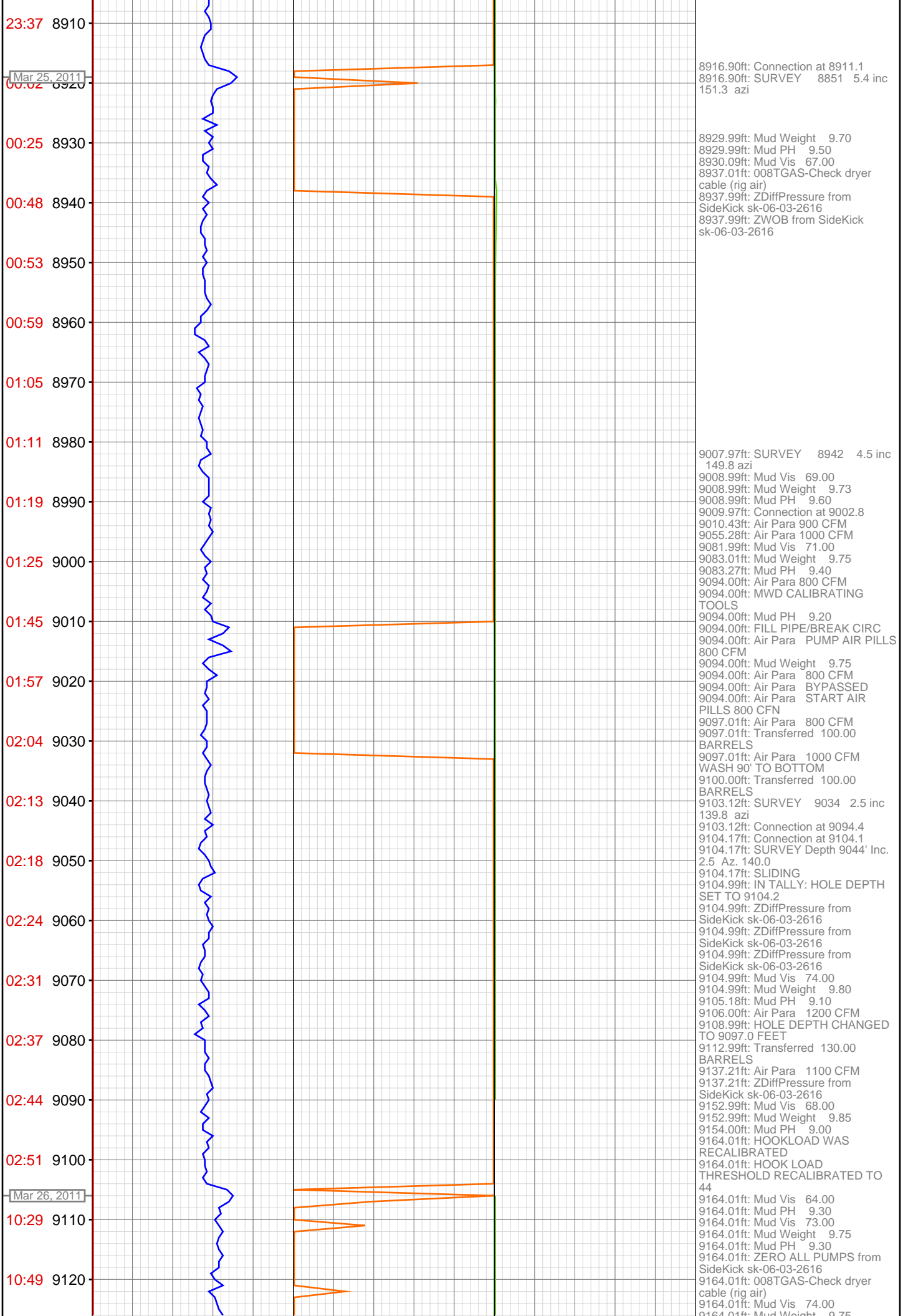
8362.40ft: IN TALLY: HOLE DEPTH SET TO 8362.4
8362.40ft: Connection at 8362.4
8362.40ft: SURVEY Depth 8302' Inc. 13.6 Az. 152.2
8362.99ft: ZDiffPressure from SideKick sk-06-03-2616
8363.52ft: PUMPED SWEEP

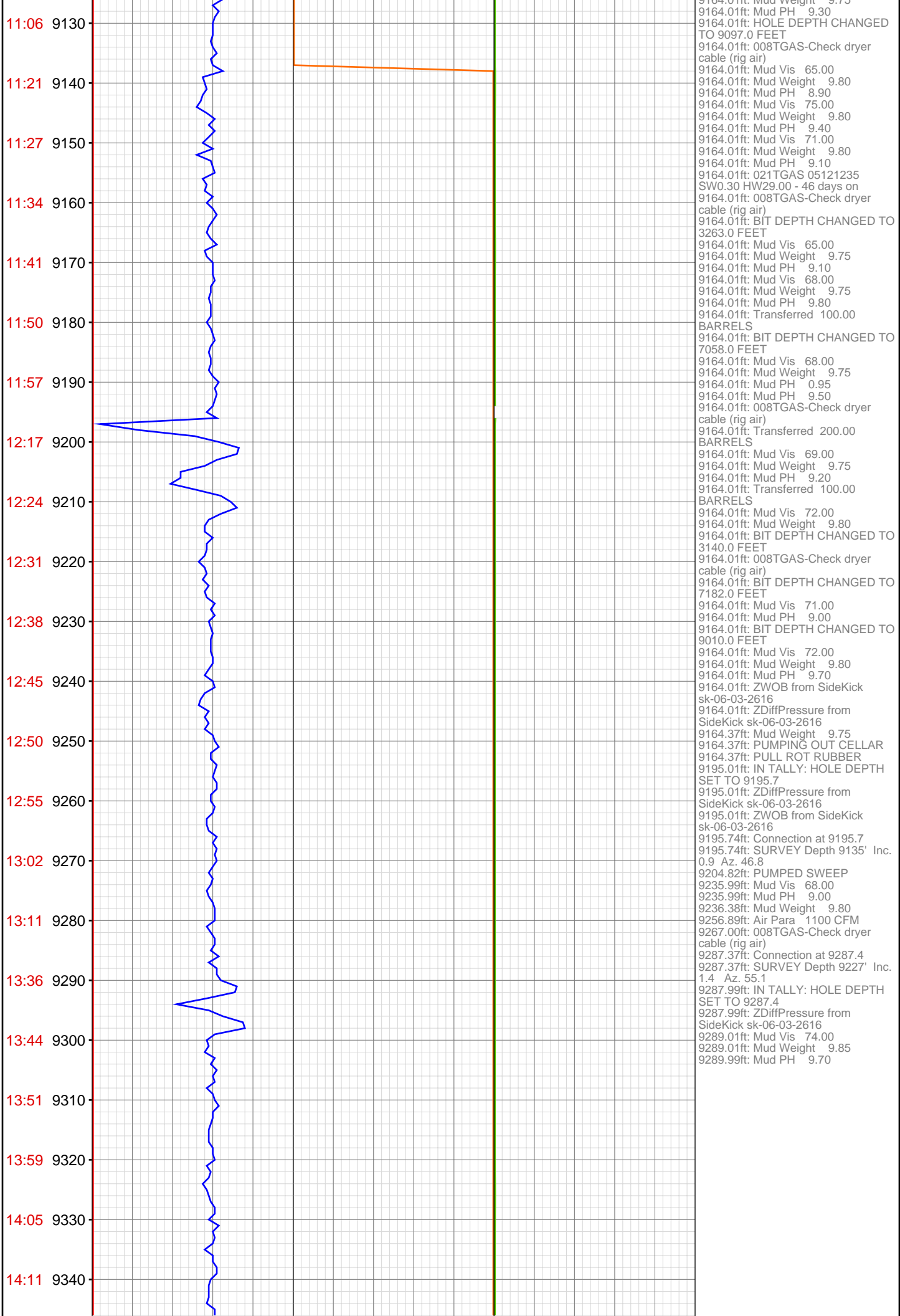
8387.01ft: Mud Vis 72.00
8387.01ft: Mud Weight 9.25
8387.99ft: Mud PH 8.90

8448.46ft: Air Para 400 CFM
8454.00ft: IN TALLY: HOLE DEPTH SET TO 8454.1
8454.00ft: Mud Vis 69.00
8454.00ft: Mud PH 9.20
8454.00ft: ZDiffPressure from SideKick sk-06-03-2616
8454.10ft: Mud Weight 9.45
8454.10ft: Connection at 8454.1
SURVEY Depth 8394' Inc. 12.8 Az. 152.2

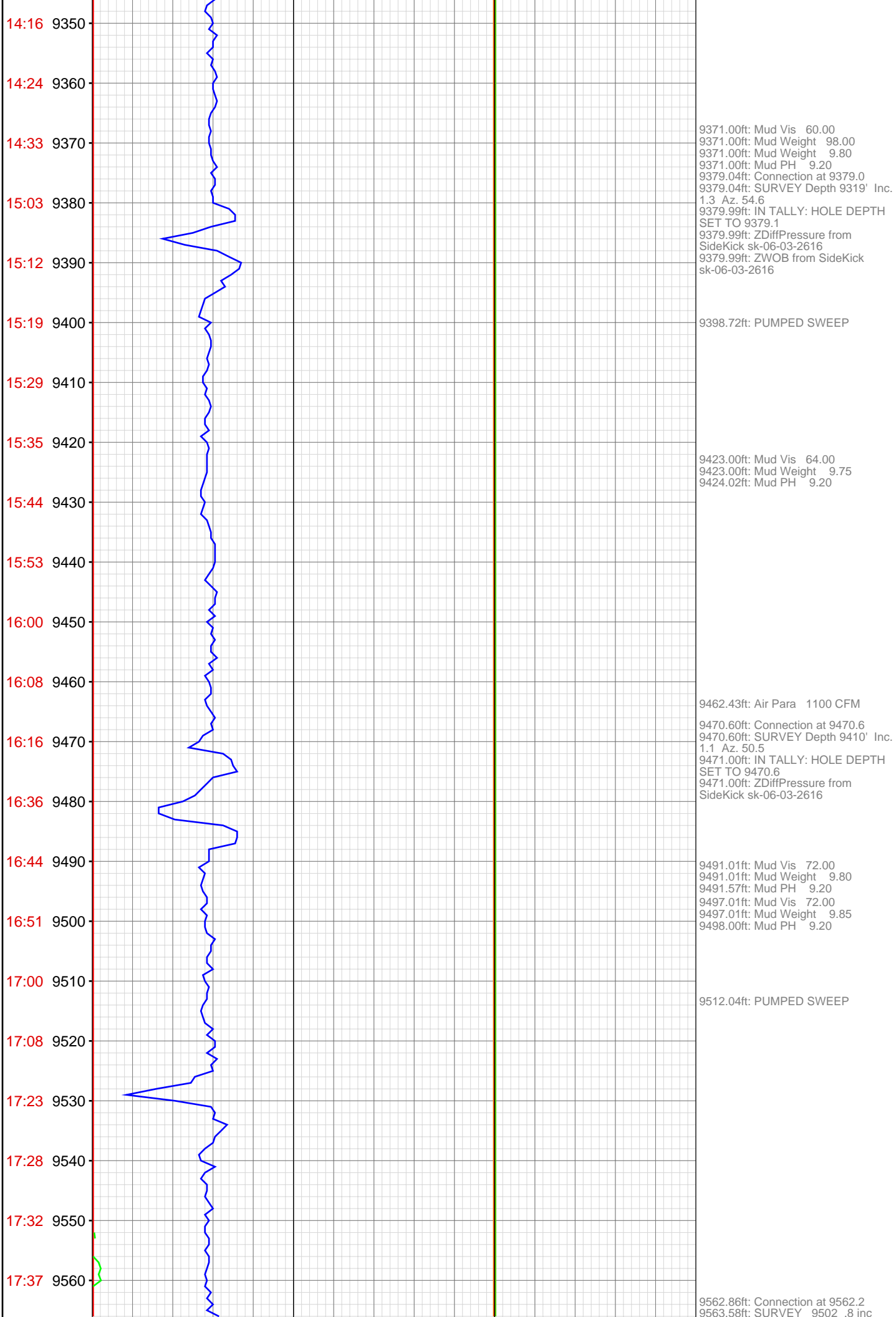


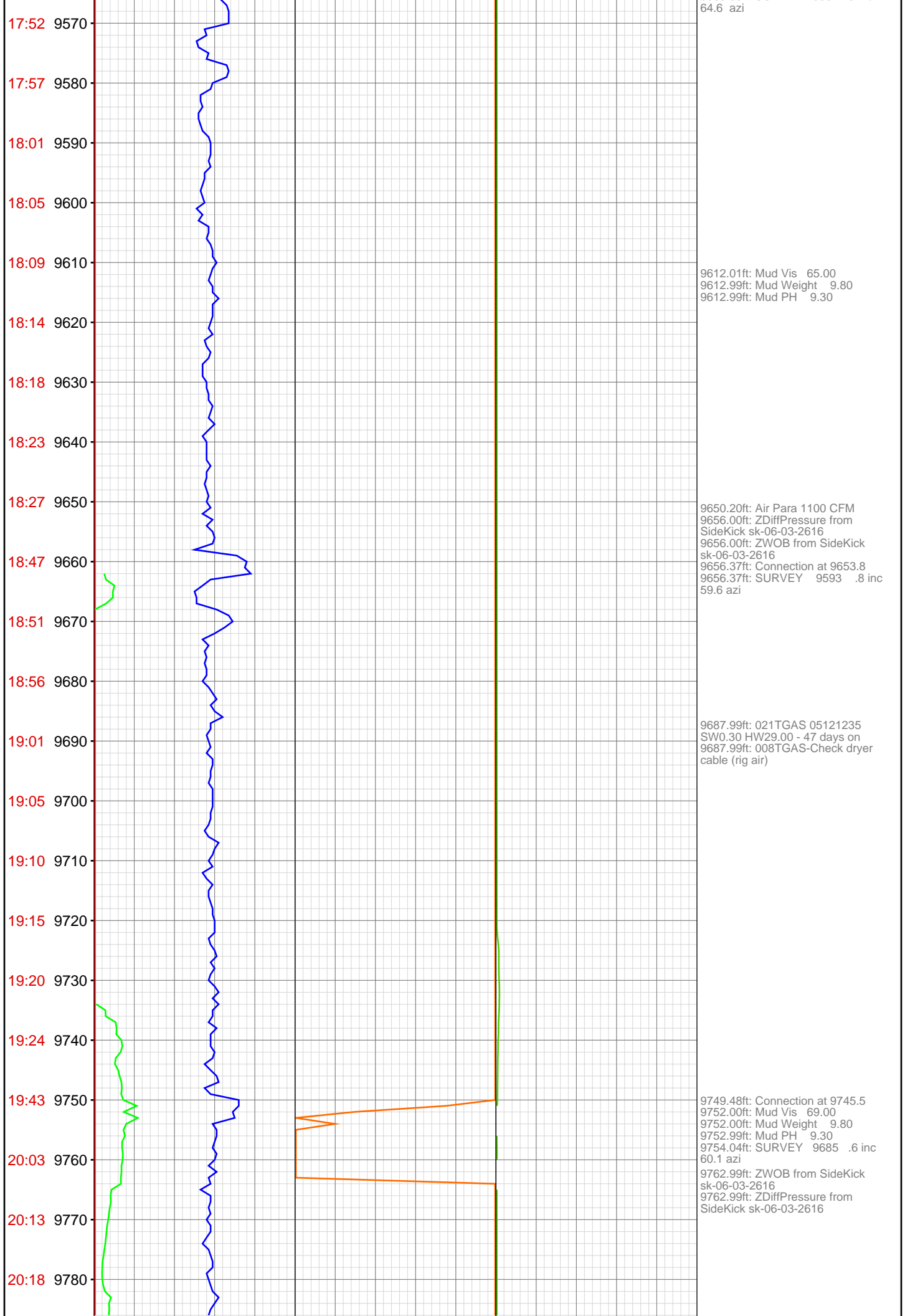


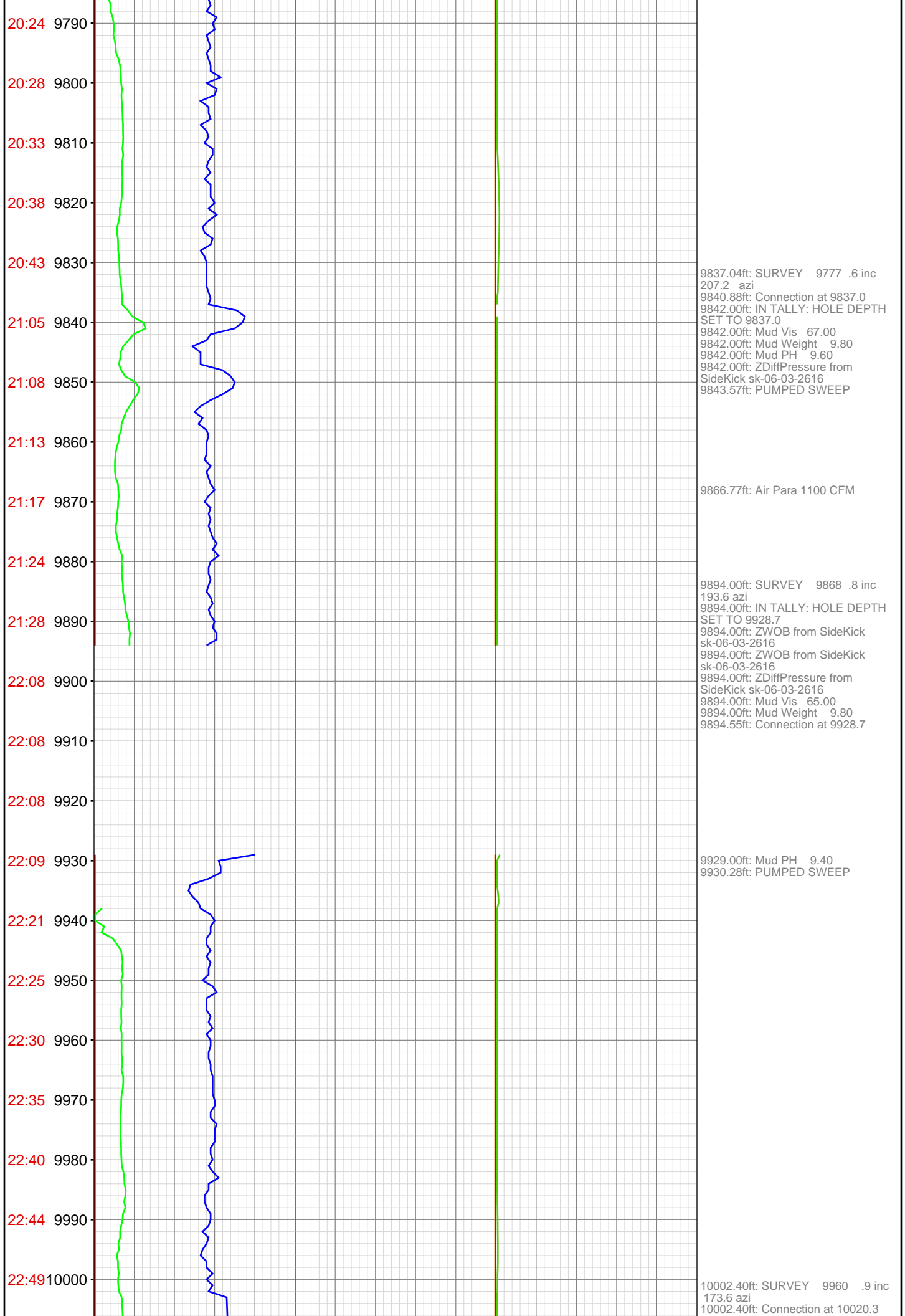


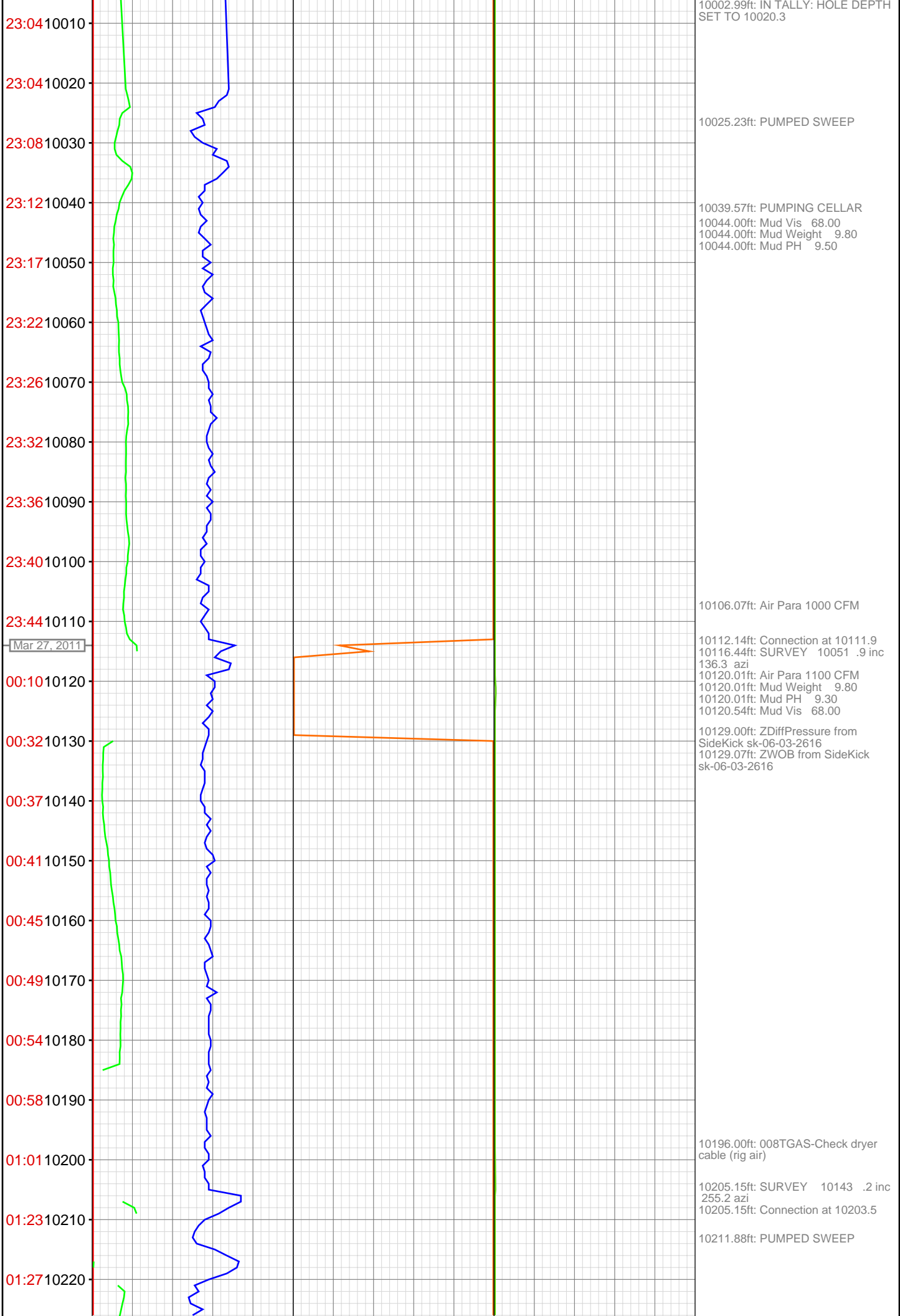


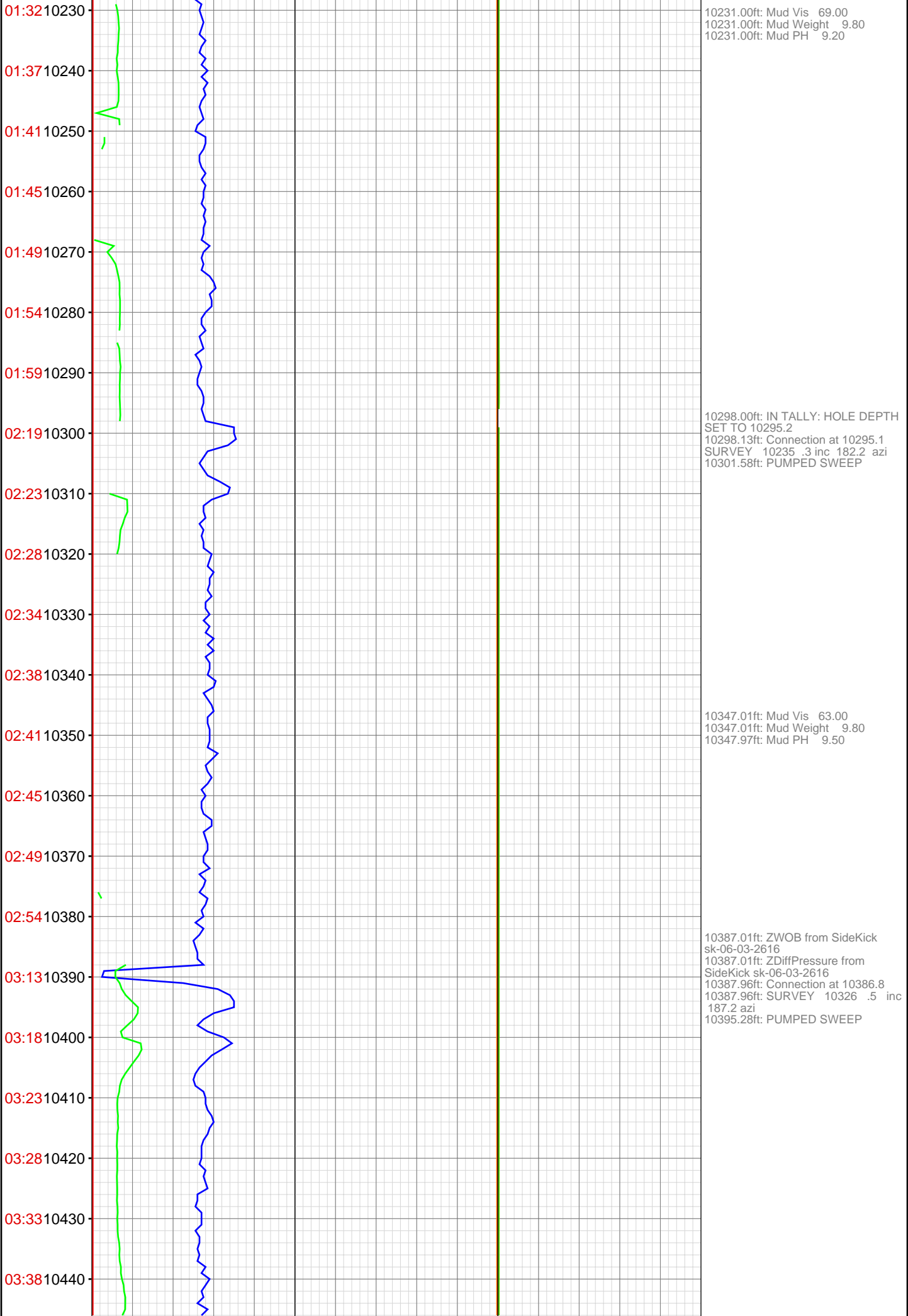
9164.01ft: Mud Weight 9.75
9164.01ft: Mud PH 9.30
9164.01ft: HOLE DEPTH CHANGED TO 9097.0 FEET
9164.01ft: 008TGAS-Check dryer cable (rig air)
9164.01ft: Mud Vis 65.00
9164.01ft: Mud Weight 9.80
9164.01ft: Mud PH 8.90
9164.01ft: Mud Vis 75.00
9164.01ft: Mud Weight 9.80
9164.01ft: Mud PH 9.40
9164.01ft: Mud Vis 71.00
9164.01ft: Mud Weight 9.80
9164.01ft: Mud PH 9.10
9164.01ft: 021TGAS 05121235 SW0.30 HW29.00 - 46 days on
9164.01ft: 008TGAS-Check dryer cable (rig air)
9164.01ft: BIT DEPTH CHANGED TO 3263.0 FEET
9164.01ft: Mud Vis 65.00
9164.01ft: Mud Weight 9.75
9164.01ft: Mud PH 9.10
9164.01ft: Mud Vis 68.00
9164.01ft: Mud Weight 9.75
9164.01ft: Mud PH 9.80
9164.01ft: Transferred 100.00 BARRELS
9164.01ft: BIT DEPTH CHANGED TO 7058.0 FEET
9164.01ft: Mud Vis 68.00
9164.01ft: Mud Weight 9.75
9164.01ft: Mud PH 0.95
9164.01ft: 008TGAS-Check dryer cable (rig air)
9164.01ft: Transferred 200.00 BARRELS
9164.01ft: Mud Vis 69.00
9164.01ft: Mud Weight 9.75
9164.01ft: Mud PH 9.20
9164.01ft: Transferred 100.00 BARRELS
9164.01ft: Mud Vis 72.00
9164.01ft: Mud Weight 9.80
9164.01ft: BIT DEPTH CHANGED TO 3140.0 FEET
9164.01ft: 008TGAS-Check dryer cable (rig air)
9164.01ft: BIT DEPTH CHANGED TO 7182.0 FEET
9164.01ft: Mud Vis 71.00
9164.01ft: Mud PH 9.00
9164.01ft: BIT DEPTH CHANGED TO 9010.0 FEET
9164.01ft: Mud Vis 72.00
9164.01ft: Mud Weight 9.80
9164.01ft: Mud PH 9.70
9164.01ft: ZWOB from SideKick sk-06-03-2616
9164.01ft: ZDiffPressure from SideKick sk-06-03-2616
9164.37ft: Mud Weight 9.75
9164.37ft: PUMPING OUT CELLAR
9164.37ft: PULL ROT RUBBER
9195.01ft: IN TALLY: HOLE DEPTH SET TO 9195.7
9195.01ft: ZDiffPressure from SideKick sk-06-03-2616
9195.01ft: ZWOB from SideKick sk-06-03-2616
9195.74ft: Connection at 9195.7
9195.74ft: SURVEY Depth 9135' Inc. 0.9 Az. 46.8
9204.82ft: PUMPED SWEEP
9235.99ft: Mud Vis 68.00
9235.99ft: Mud PH 9.00
9236.38ft: Mud Weight 9.80
9256.89ft: Air Para 1100 CFM
9267.00ft: 008TGAS-Check dryer cable (rig air)
9287.37ft: Connection at 9287.4
9287.37ft: SURVEY Depth 9227' Inc. 1.4 Az. 55.1
9287.99ft: IN TALLY: HOLE DEPTH SET TO 9287.4
9287.99ft: ZDiffPressure from SideKick sk-06-03-2616
9289.01ft: Mud Vis 74.00
9289.01ft: Mud Weight 9.85
9289.99ft: Mud PH 9.70

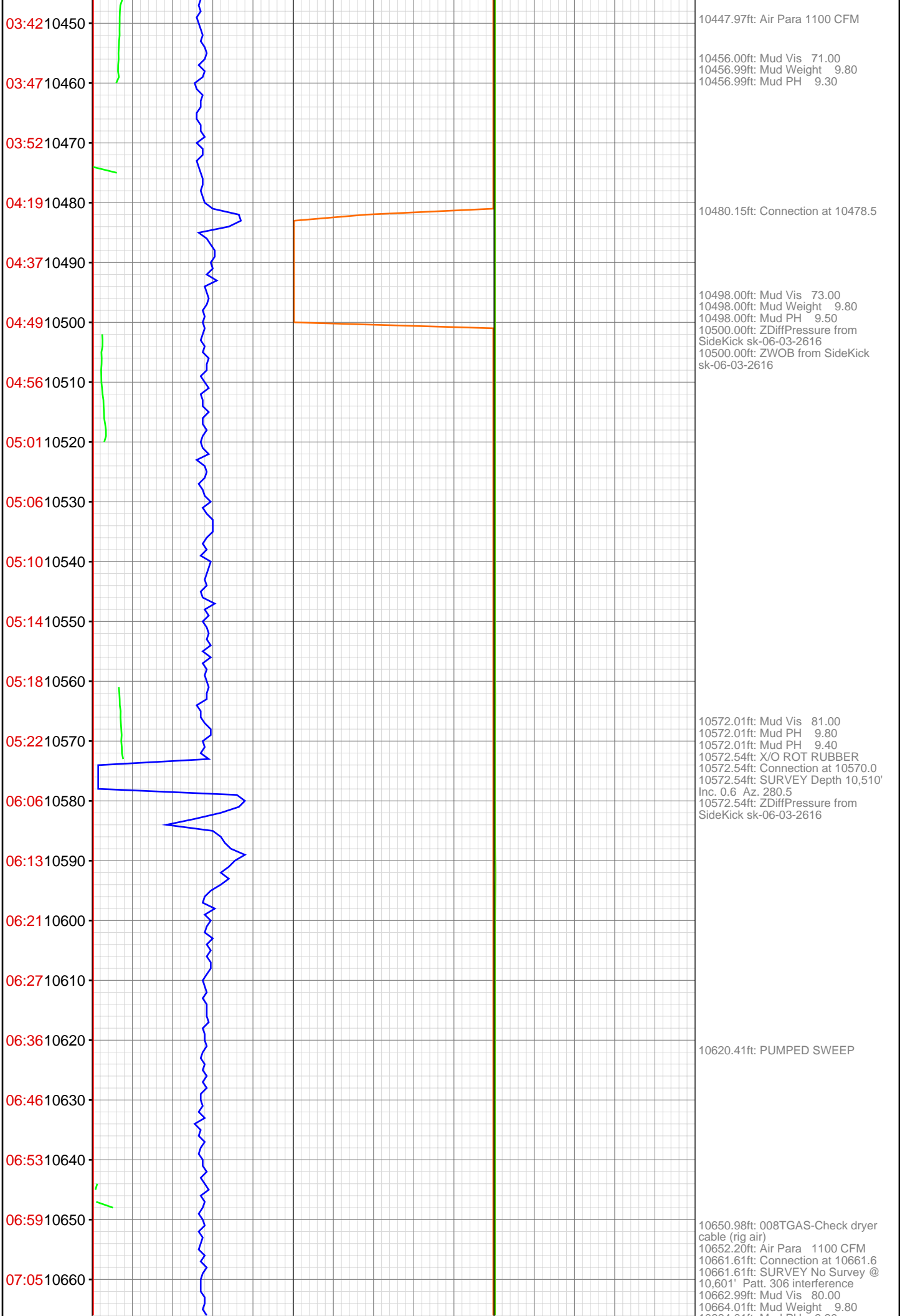


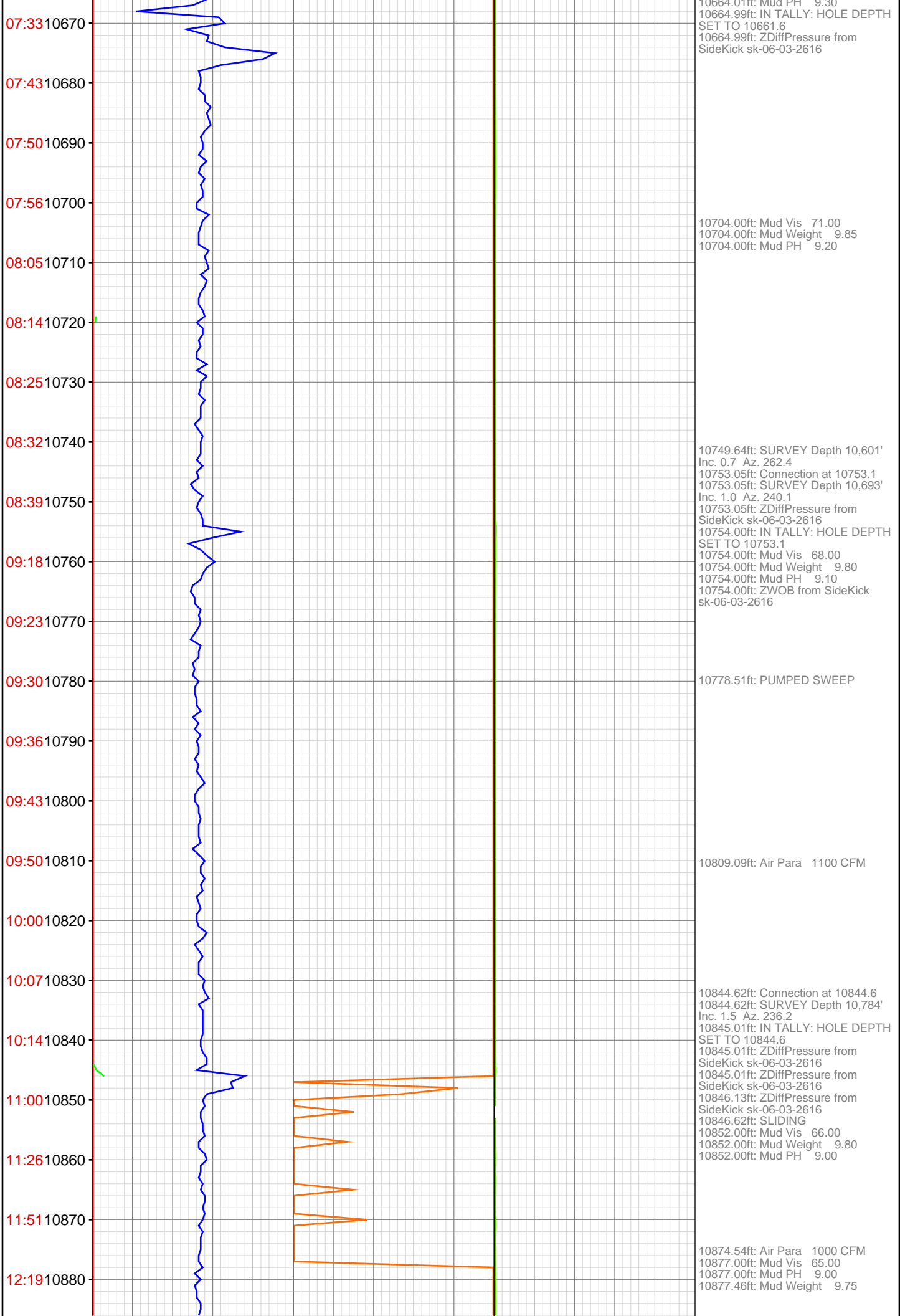




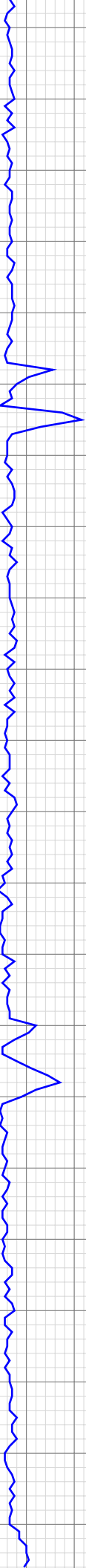








12:24 10890
12:29 10900
12:34 10910
12:41 10920
12:50 10930
13:12 10940
13:21 10950
13:28 10960
13:36 10970
13:45 10980
13:51 10990
13:59 11000
14:06 11010
14:15 11020
14:34 11030
14:41 11040
14:45 11050
14:53 11060
15:01 11070
15:11 11080
15:23 11090
15:31 11100



10933.01ft: 003TGAS-Manual flush
10936.25ft: Connection at 10936.2
10936.25ft: SURVEY Depth 10,876'
Inc. 0.9 Az. 328.4
10937.01ft: IN TALLY: HOLE DEPTH
SET TO 10936.2
10937.01ft: 008TGAS-Check dryer
cable (rig air)
10937.01ft: Mud Vis 63.00
10937.01ft: Mud Weight 9.75
10937.01ft: Mud PH 9.00
10937.01ft: ZDiffPressure from
SideKick sk-06-03-2616
10946.33ft: PUMPED SWEEP

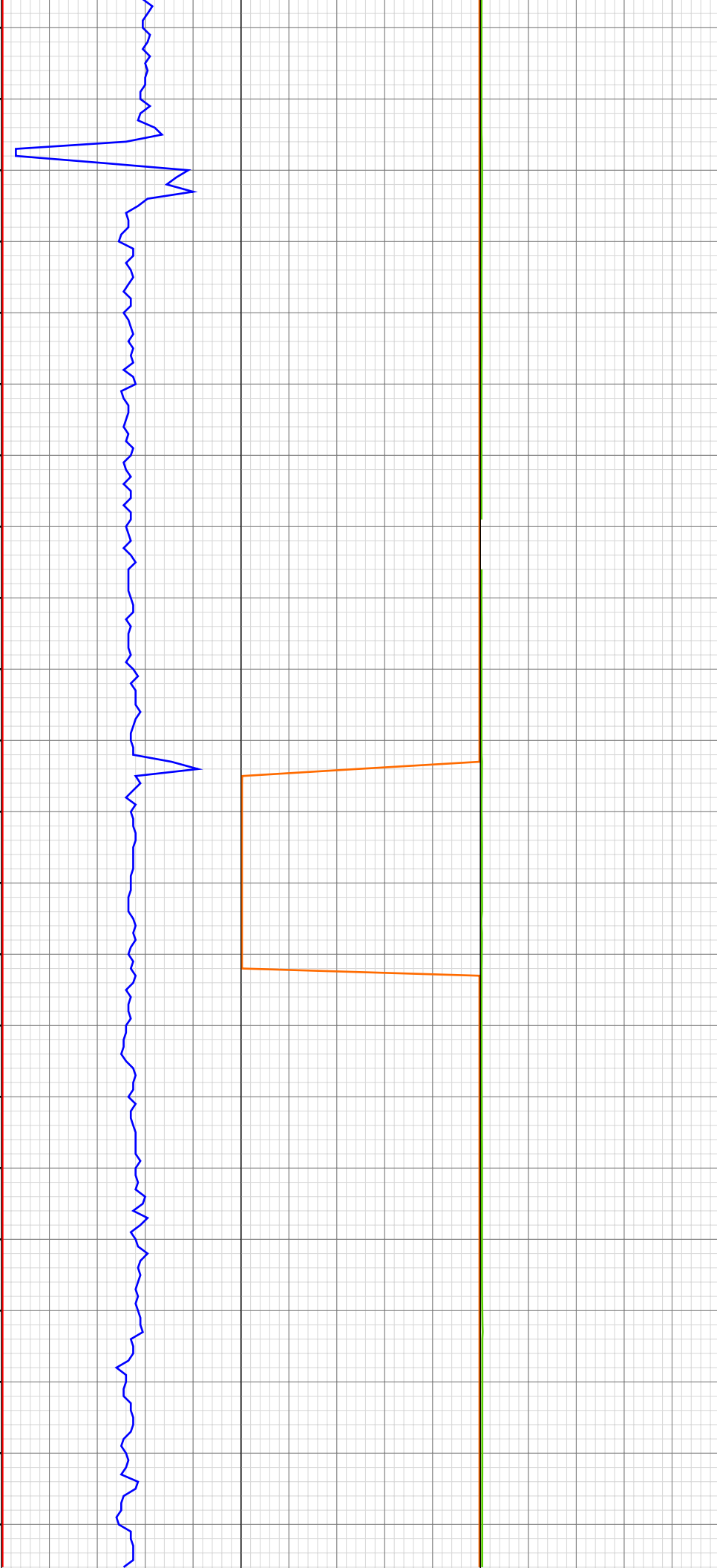
10959.71ft: Transferred 140.00
BARRELS

11027.00ft: IN TALLY: HOLE DEPTH
SET TO 11027.9
11027.00ft: ZDiffPressure from
SideKick sk-06-03-2616
11027.92ft: Connection at 11027.9
11027.92ft: SURVEY Depth 10,967'
Inc. 0.8 Az. 306.7

11069.00ft: Air Para 1000 CFM

11081.99ft: Mud Vis 66.00
11081.99ft: Mud Weight 9.80
11081.99ft: Mud PH 9.50

15:39 11110
15:45 11120
16:06 11130
16:13 11140
16:19 11150
16:28 11160
16:35 11170
16:46 11180
16:55 11190
17:01 11200
17:09 11210
17:42 11220
17:56 11230
18:08 11240
18:18 11250
18:22 11260
18:26 11270
18:31 11280
18:38 11290
18:47 11300
18:47 11310
18:47 11320



11119.49ft: Connection at 11119.5
11119.49ft: SURVEY Depth 11,059'
Inc. 0.9 Az. 278.0
11120.01ft: IN TALLY: HOLE DEPTH
SET TO 11119.5

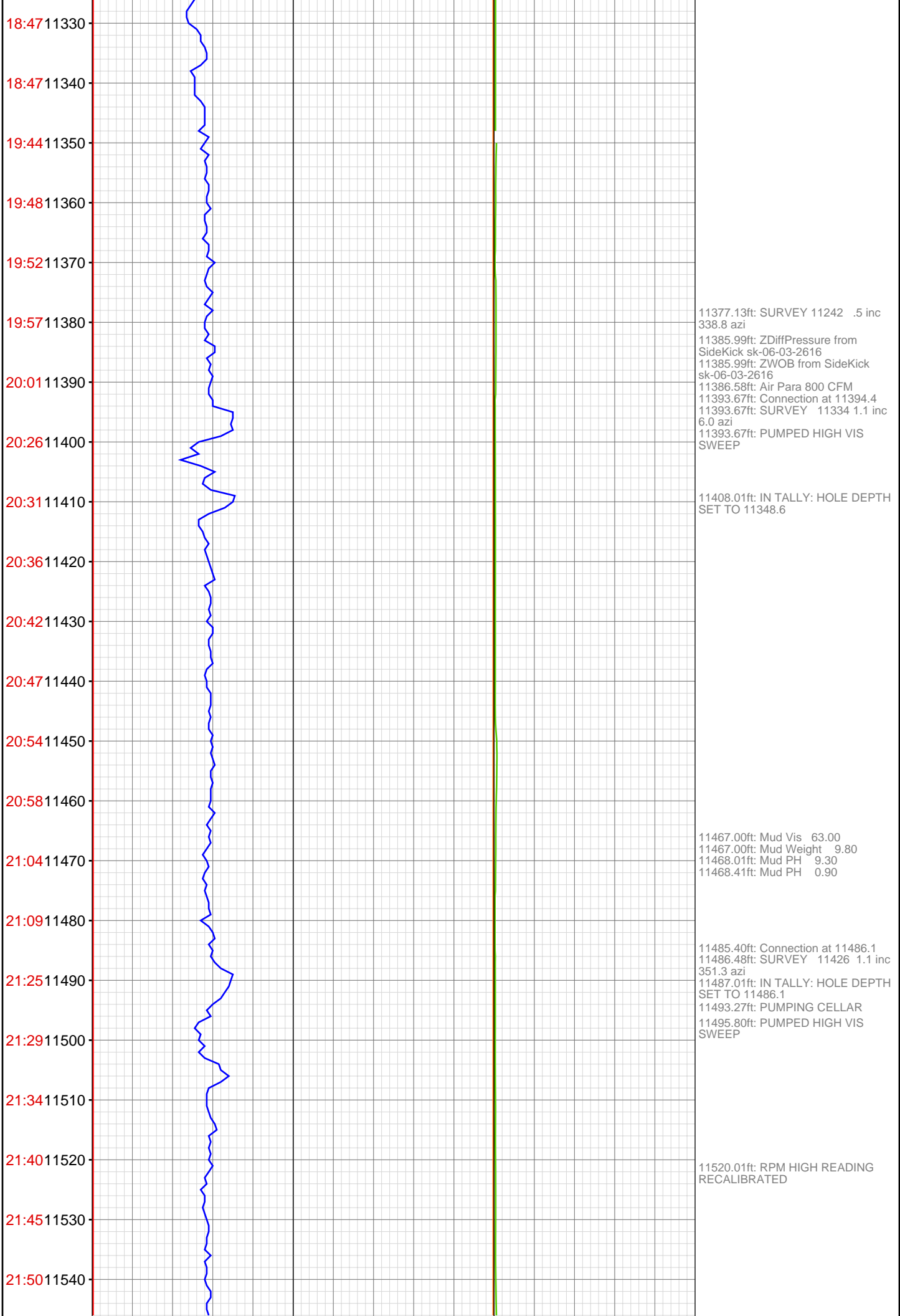
11137.99ft: Mud Vis 66.00
11137.99ft: Mud PH 9.20
11138.25ft: Mud Weight 9.75

11174.34ft: Air Para 1000 CFM

11211.19ft: SURVEY Depth 11,151'
Inc. 1.3 Az. 254.2 Connection at
11211.2
11211.19ft: SLIDING
11212.01ft: IN TALLY: HOLE DEPTH
SET TO 11211.2
11212.01ft: Mud Vis 61.00
11212.01ft: Mud Weight 9.80
11212.01ft: Mud PH 9.20
11212.01ft: ZDiffPressure from
SideKick sk-06-03-2616
11212.01ft: ZDiffPressure from
SideKick sk-06-03-2616

11242.00ft: Mud Weight 9.80
11242.00ft: Mud PH 9.30
11242.00ft: ZDiffPressure from
SideKick sk-06-03-2616
11242.00ft: ZWOB from SideKick
sk-06-03-2616
11242.00ft: ZDiffPressure from
SideKick sk-06-03-2616
11242.39ft: Mud Vis 65.00

11292.00ft: Air Para 1000 CFM
11292.00ft: Connection at 11302.7



21:55 11550
22:05 11560
22:09 11570
22:20 11580
22:26 11590
22:30 11600
22:37 11610
22:41 11620
22:46 11630
22:50 11640
22:54 11650
22:59 11660
23:03 11670
23:25 11680
23:29 11690
23:32 11700
23:36 11710
23:41 11720
23:46 11730
23:50 11740
23:54 11750

23:59 11760
Mar 28, 2011



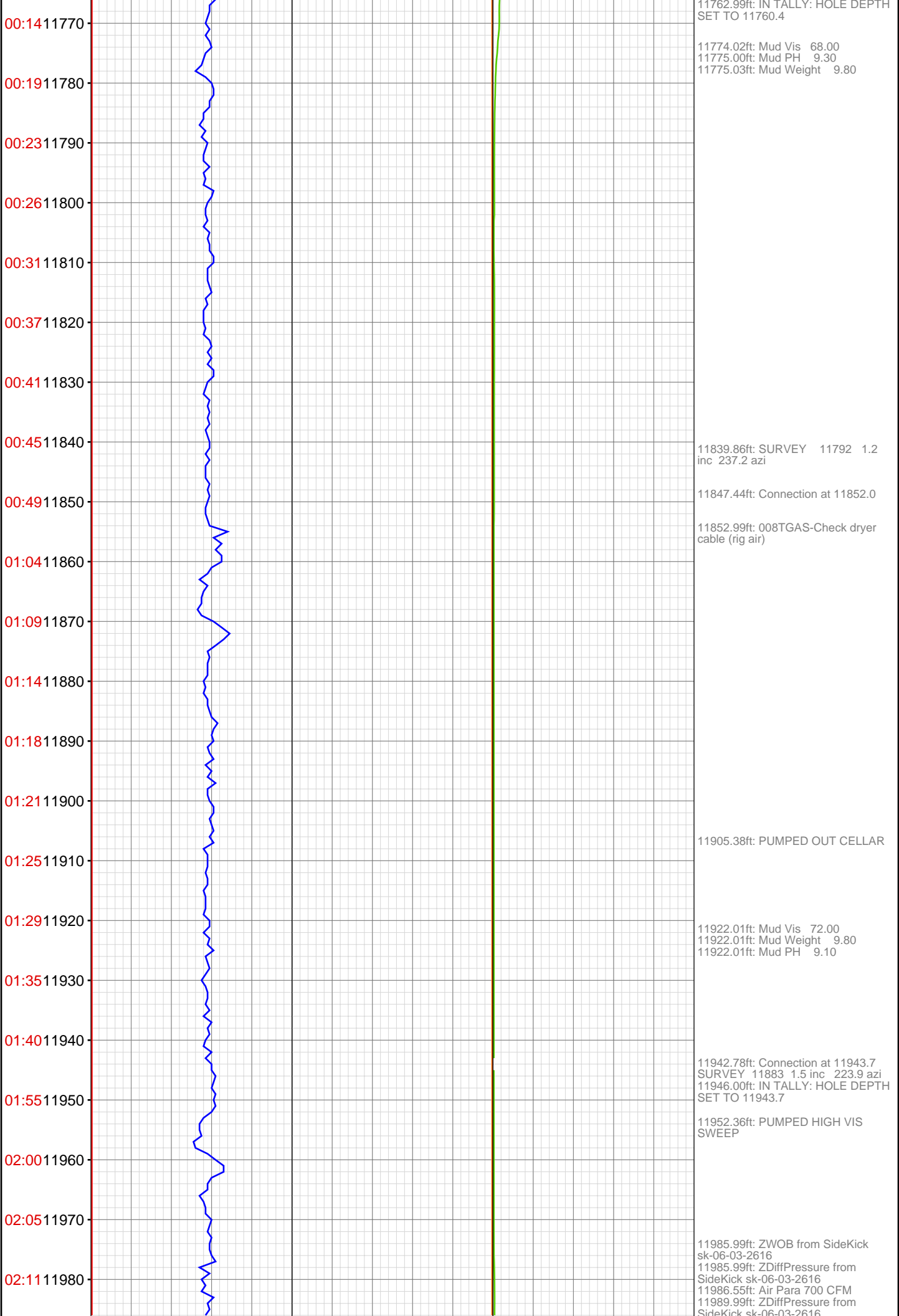
11570.01ft: IN TALLY: HOLE DEPTH
SET TO 11577.7

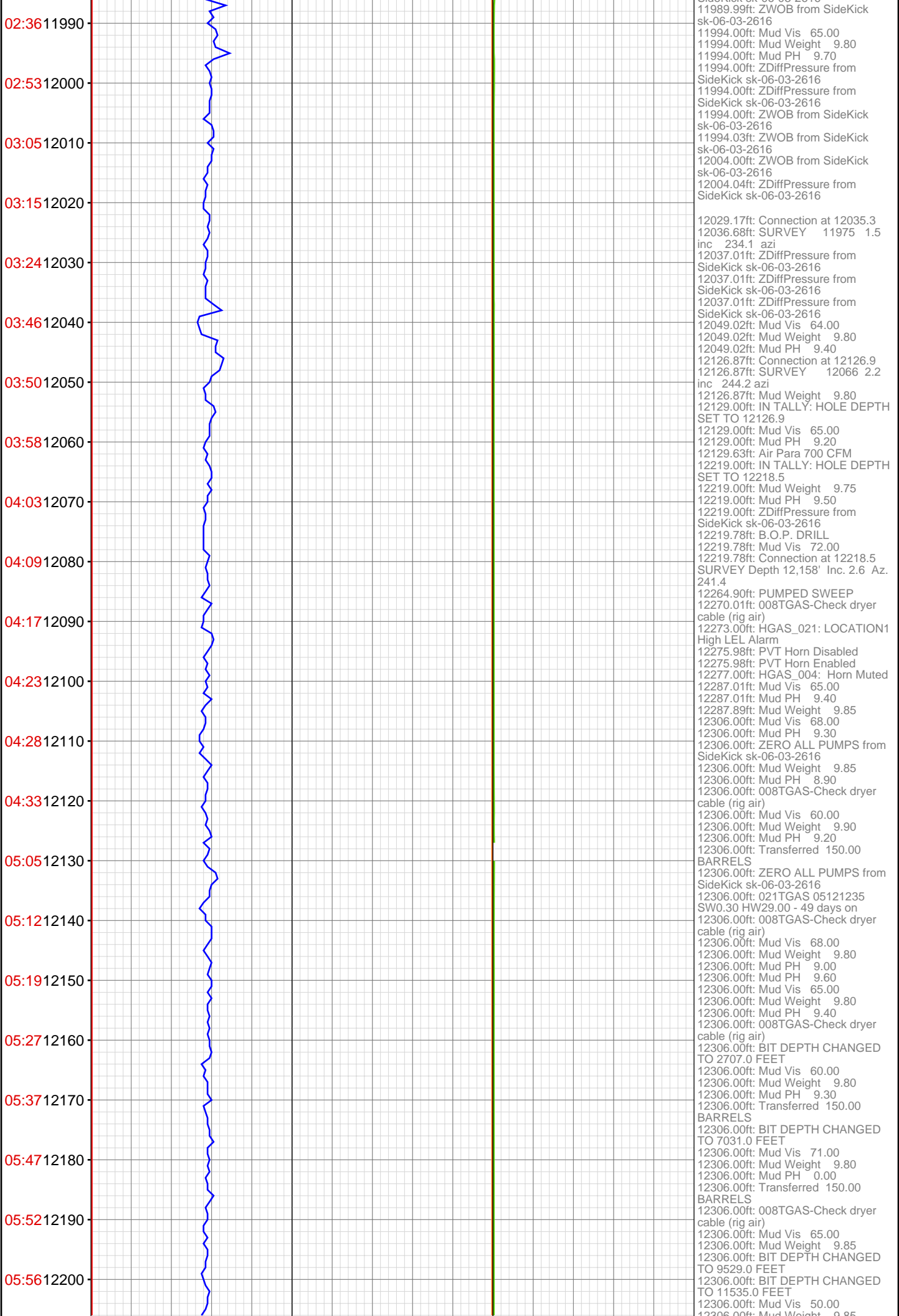
11577.66ft: SURVEY 11517 .9 inc
336.5 azi Connection at 11577.7

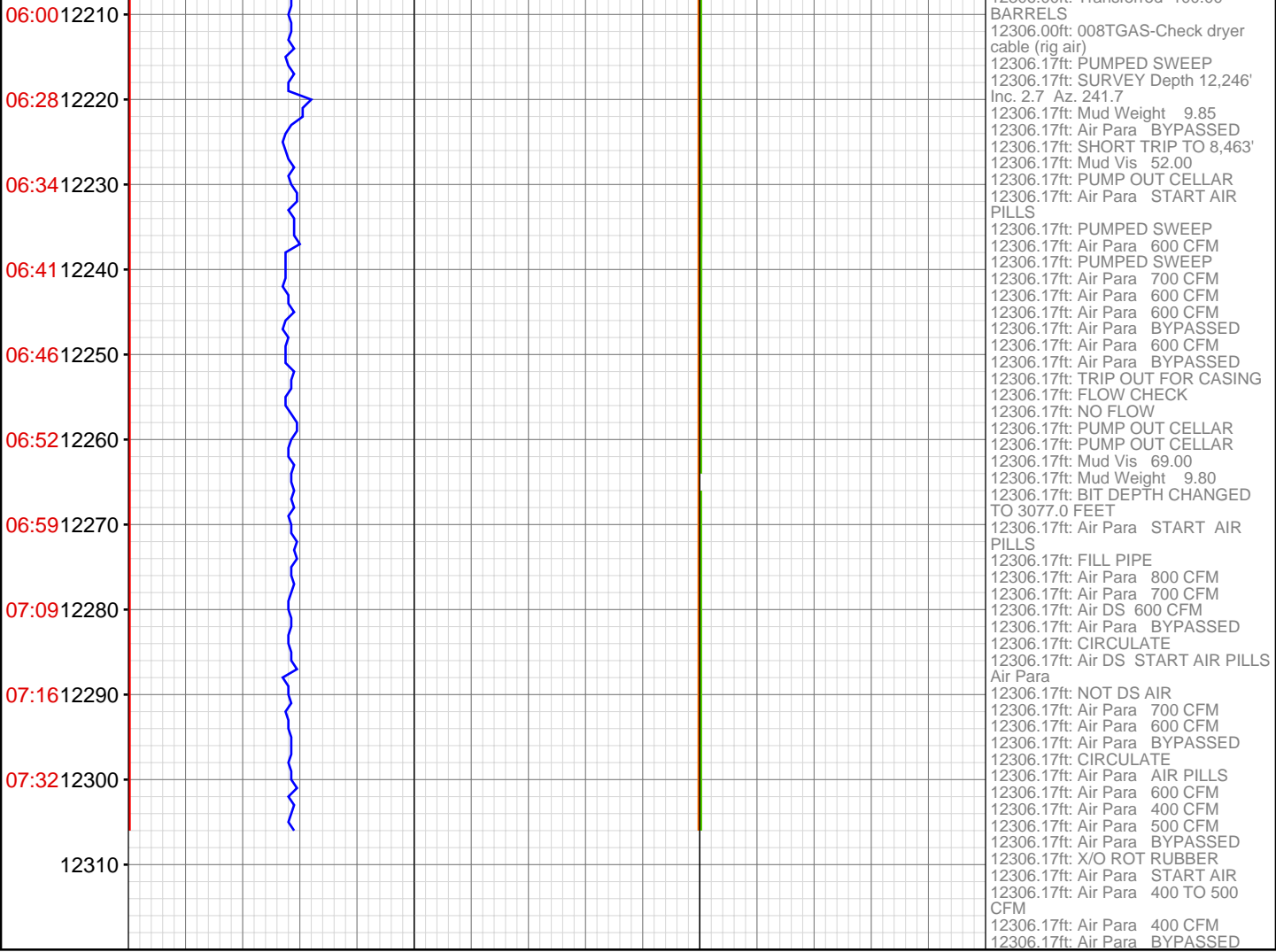
11587.07ft: PUMPED HIGH VIS
SWEEP
11587.99ft: Air Para 800 CFM

11667.19ft: SURVEY 11618 .8 inc
280.5 azi
11670.01ft: ZWOB from SideKick
sk-06-03-2616
11670.01ft: ZDiffPressure from
SideKick sk-06-03-2616
11670.01ft: Mud Weight 9.80
11670.01ft: Mud PH 9.50
11670.01ft: ZDiffPressure from
SideKick sk-06-03-2616
11670.01ft: ZWOB from SideKick
sk-06-03-2616
11670.54ft: Mud Vis 68.00
11670.54ft: Connection at 11668.8

11760.34ft: Connection at 11760.4
11762.89ft: SURVEY 11700 1.0 inc
243.3 inc







12306.00ft: Mud Weight 9.85
12306.00ft: Transferred 100.00
BARRELS
12306.00ft: 008TGAS-Check dryer
cable (rig air)
12306.17ft: PUMPED SWEEP
12306.17ft: SURVEY Depth 12,246'
Inc. 2.7 Az. 241.7
12306.17ft: Mud Weight 9.85
12306.17ft: Air Para BYPASSED
12306.17ft: SHORT TRIP TO 8,463'
12306.17ft: Mud Vis 52.00
12306.17ft: PUMP OUT CELLAR
12306.17ft: Air Para START AIR
PILLS
12306.17ft: PUMPED SWEEP
12306.17ft: Air Para 600 CFM
12306.17ft: PUMPED SWEEP
12306.17ft: Air Para 700 CFM
12306.17ft: Air Para 600 CFM
12306.17ft: Air Para 600 CFM
12306.17ft: Air Para BYPASSED
12306.17ft: Air Para 600 CFM
12306.17ft: Air Para BYPASSED
12306.17ft: TRIP OUT FOR CASING
12306.17ft: FLOW CHECK
12306.17ft: NO FLOW
12306.17ft: PUMP OUT CELLAR
12306.17ft: PUMP OUT CELLAR
12306.17ft: Mud Vis 69.00
12306.17ft: Mud Weight 9.80
12306.17ft: BIT DEPTH CHANGED
TO 3077.0 FEET
12306.17ft: Air Para START AIR
PILLS
12306.17ft: FILL PIPE
12306.17ft: Air Para 800 CFM
12306.17ft: Air Para 700 CFM
12306.17ft: Air DS 600 CFM
12306.17ft: Air Para BYPASSED
12306.17ft: CIRCULATE
12306.17ft: Air DS START AIR PILLS
Air Para
12306.17ft: NOT DS AIR
12306.17ft: Air Para 700 CFM
12306.17ft: Air Para 600 CFM
12306.17ft: Air Para BYPASSED
12306.17ft: CIRCULATE
12306.17ft: Air Para AIR PILLS
12306.17ft: Air Para 600 CFM
12306.17ft: Air Para 400 CFM
12306.17ft: Air Para 500 CFM
12306.17ft: Air Para BYPASSED
12306.17ft: X/O ROT RUBBER
12306.17ft: Air Para START AIR
12306.17ft: Air Para 400 TO 500
CFM
12306.17ft: Air Para 400 CFM
12306.17ft: Air Para BYPASSED