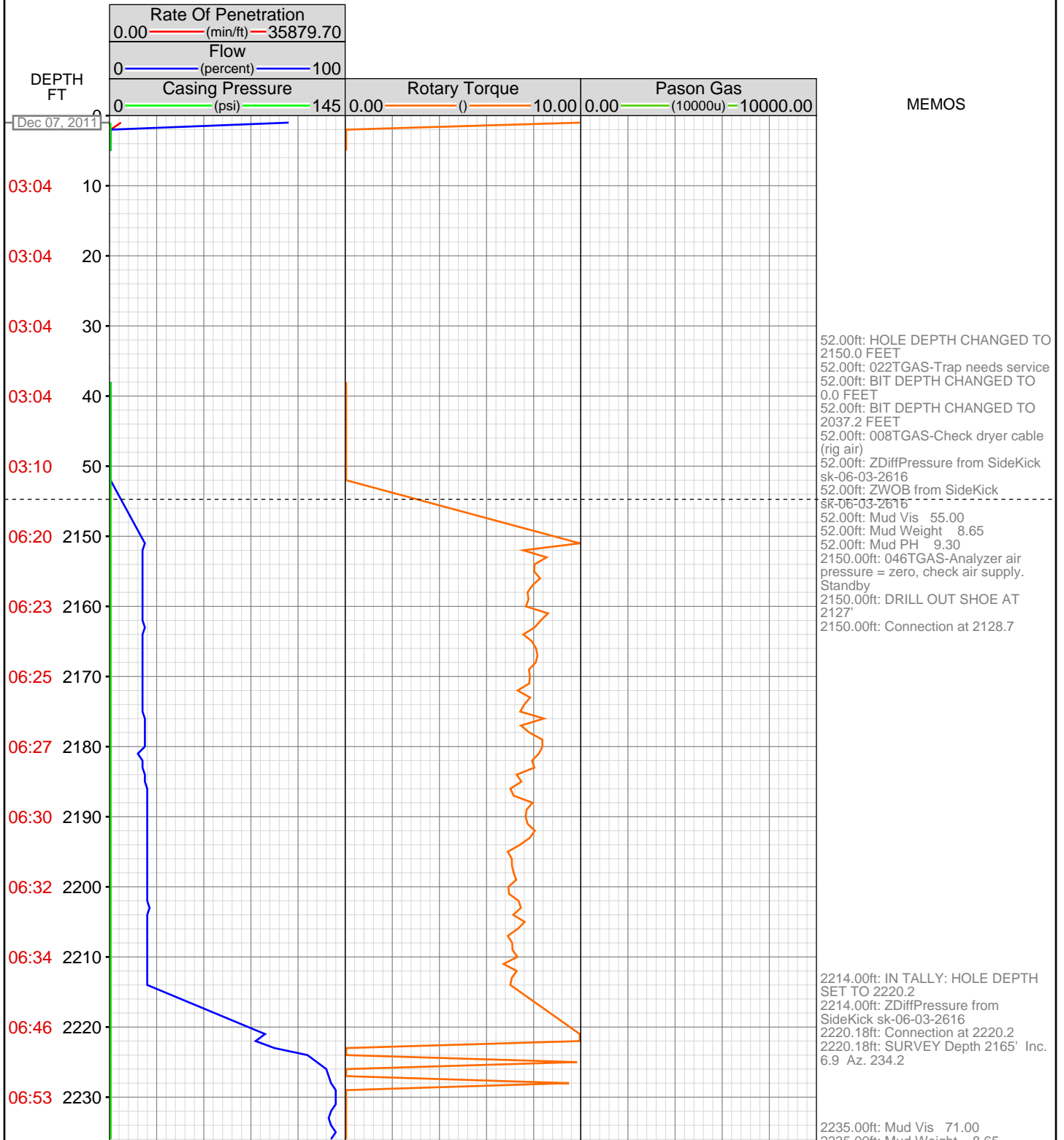


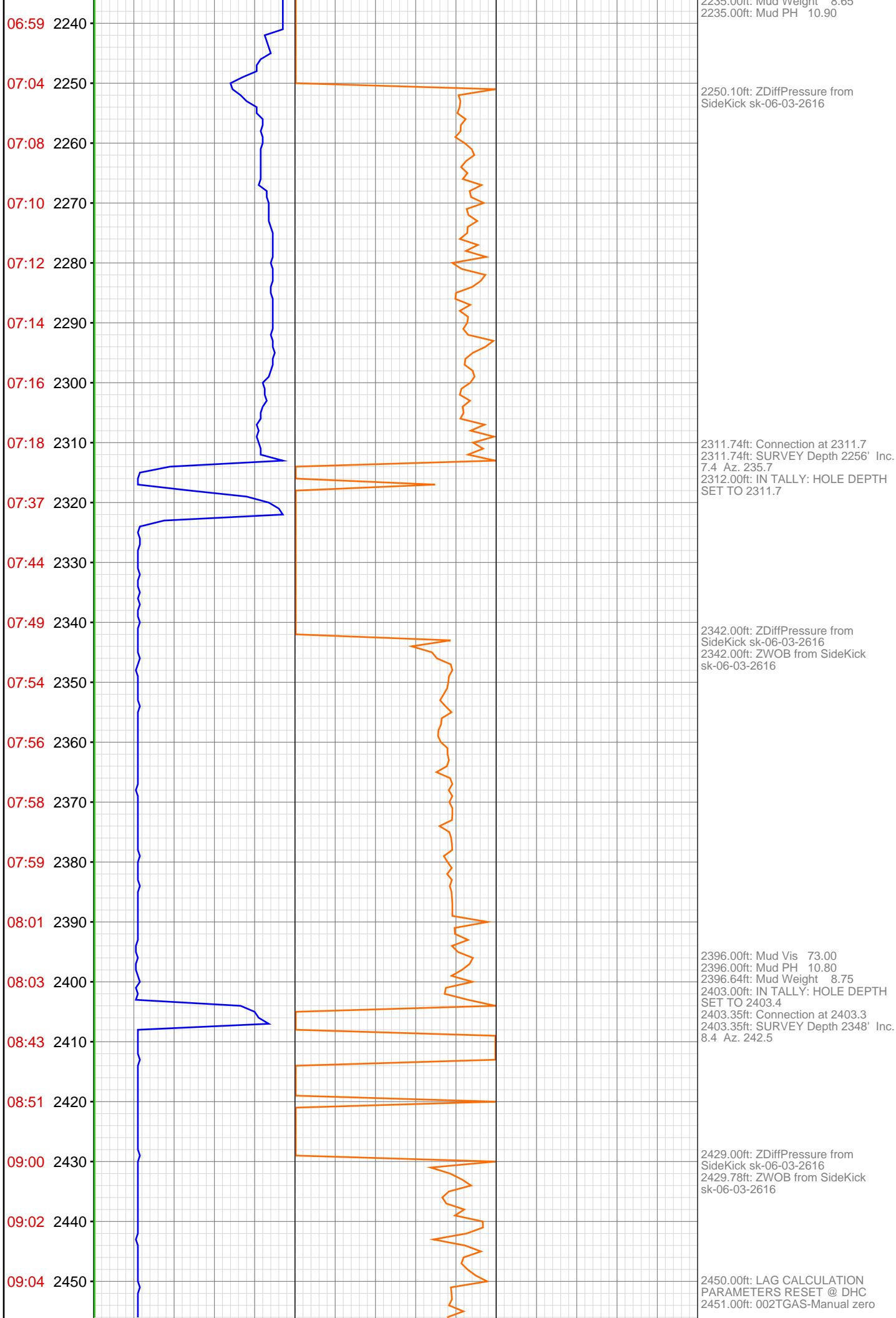
DataHub EDR Log

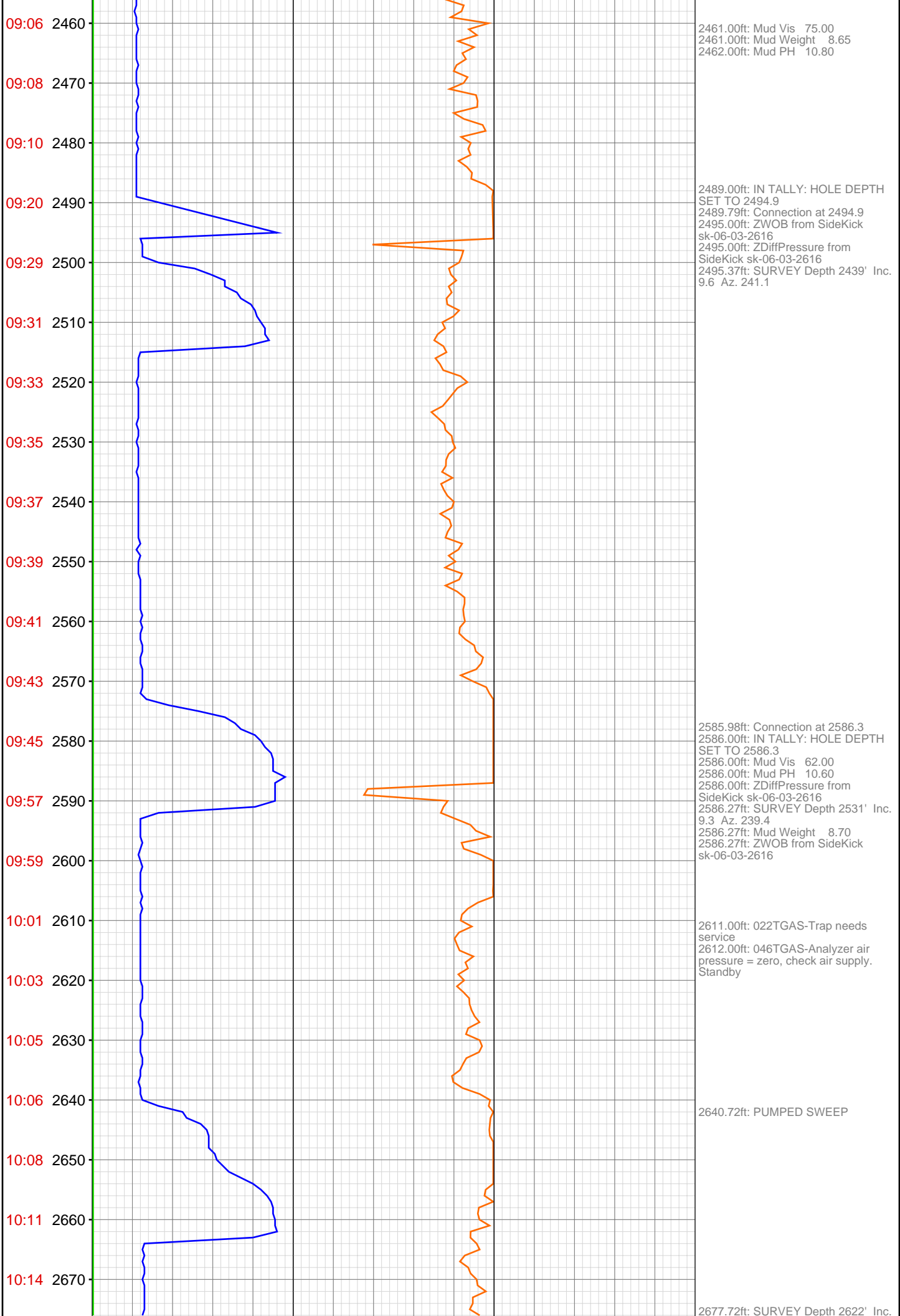
Wed Dec 14, 2011 15:25:26
Well Dossier 3431763
Marilyn Tucker

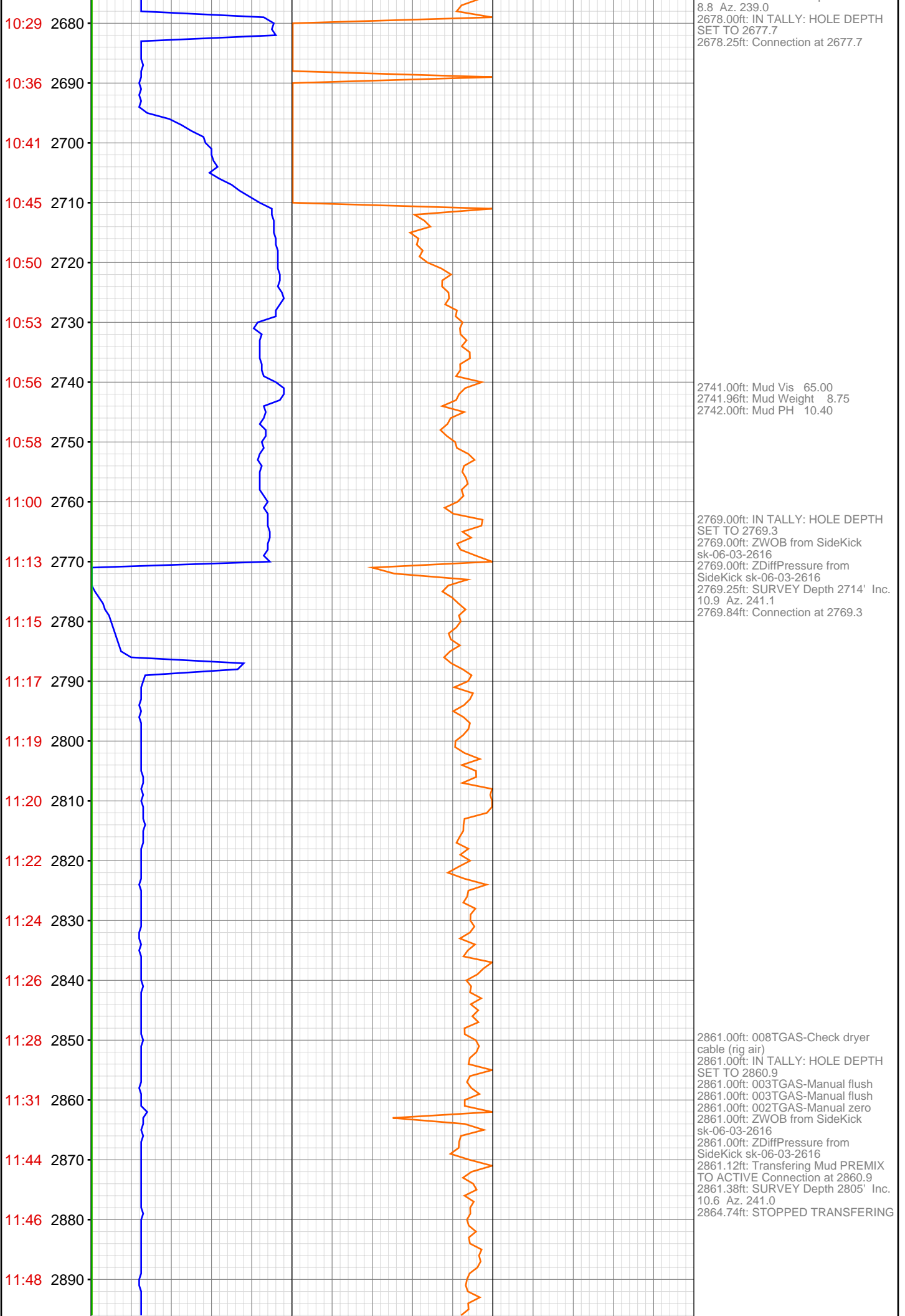
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: DOUBLE WILLOW 8616F-28 P28 496
FIELD:
LOCATION: Sec. 36 T4S R96W
COUNTRY: USA
RIG: Pat-UTI 308

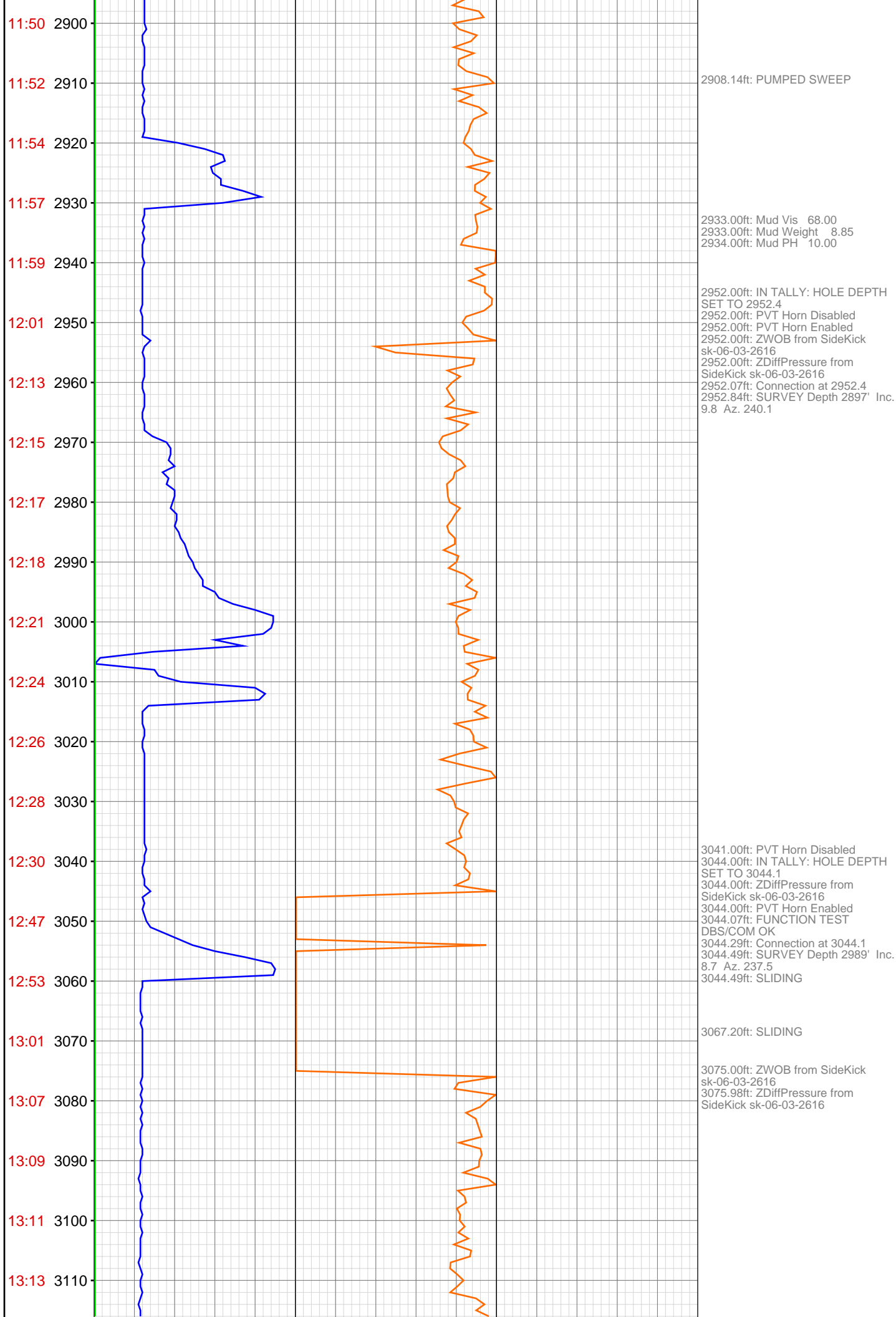
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05-045-20794-00
SPUD DATE: Dec 07, 2011 06:30
RELEASE DATE: Dec 13, 2011 00:30

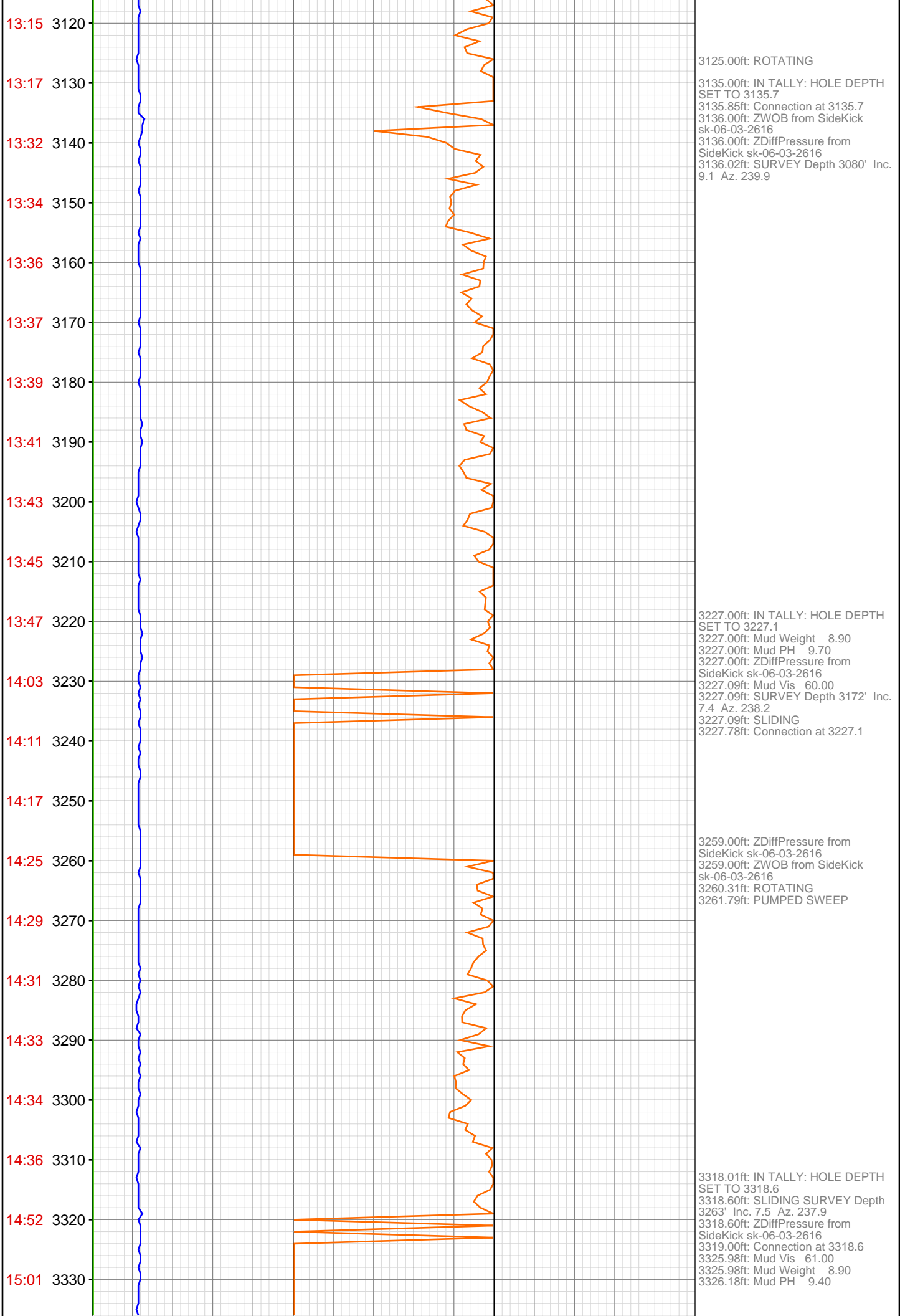


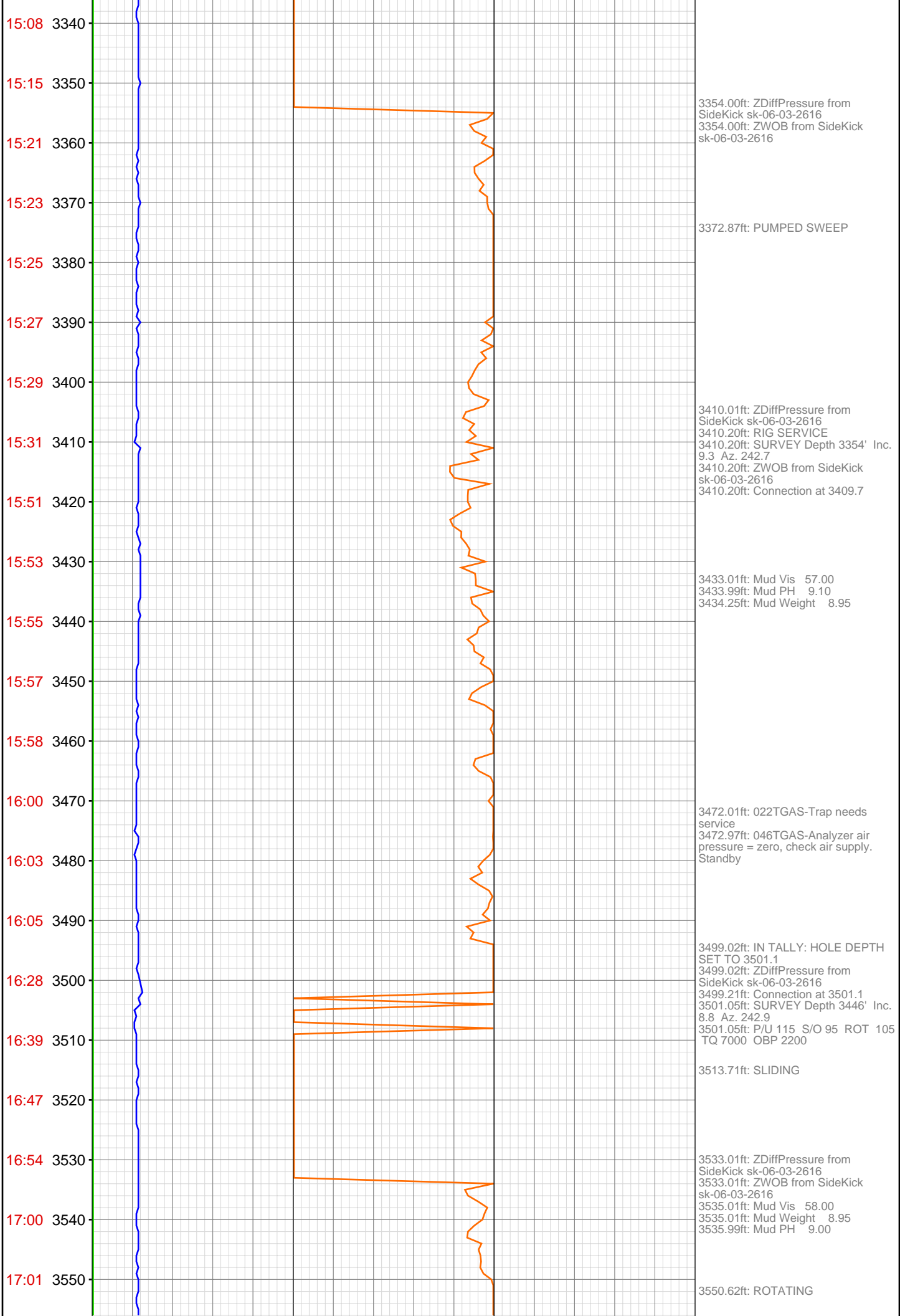


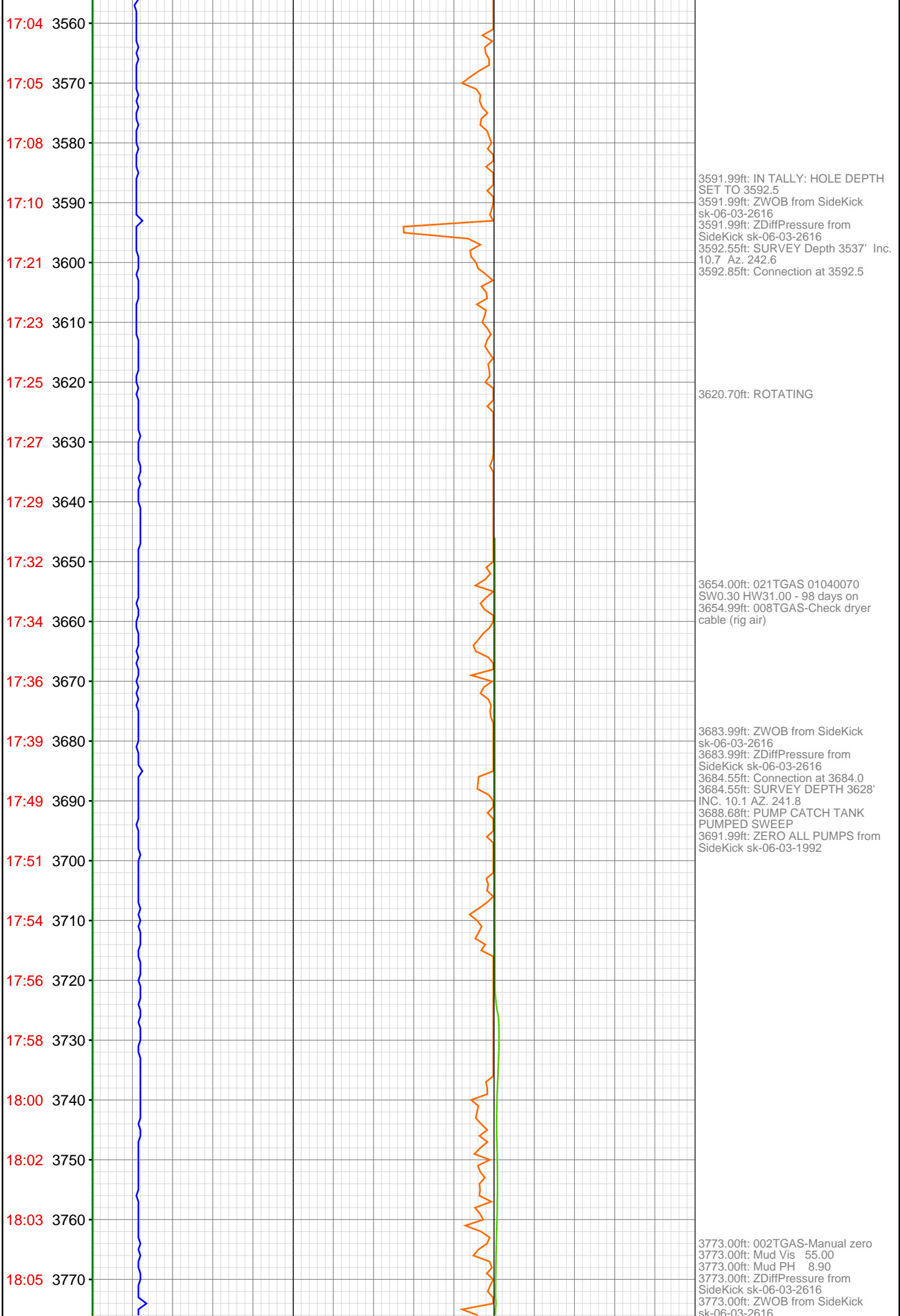


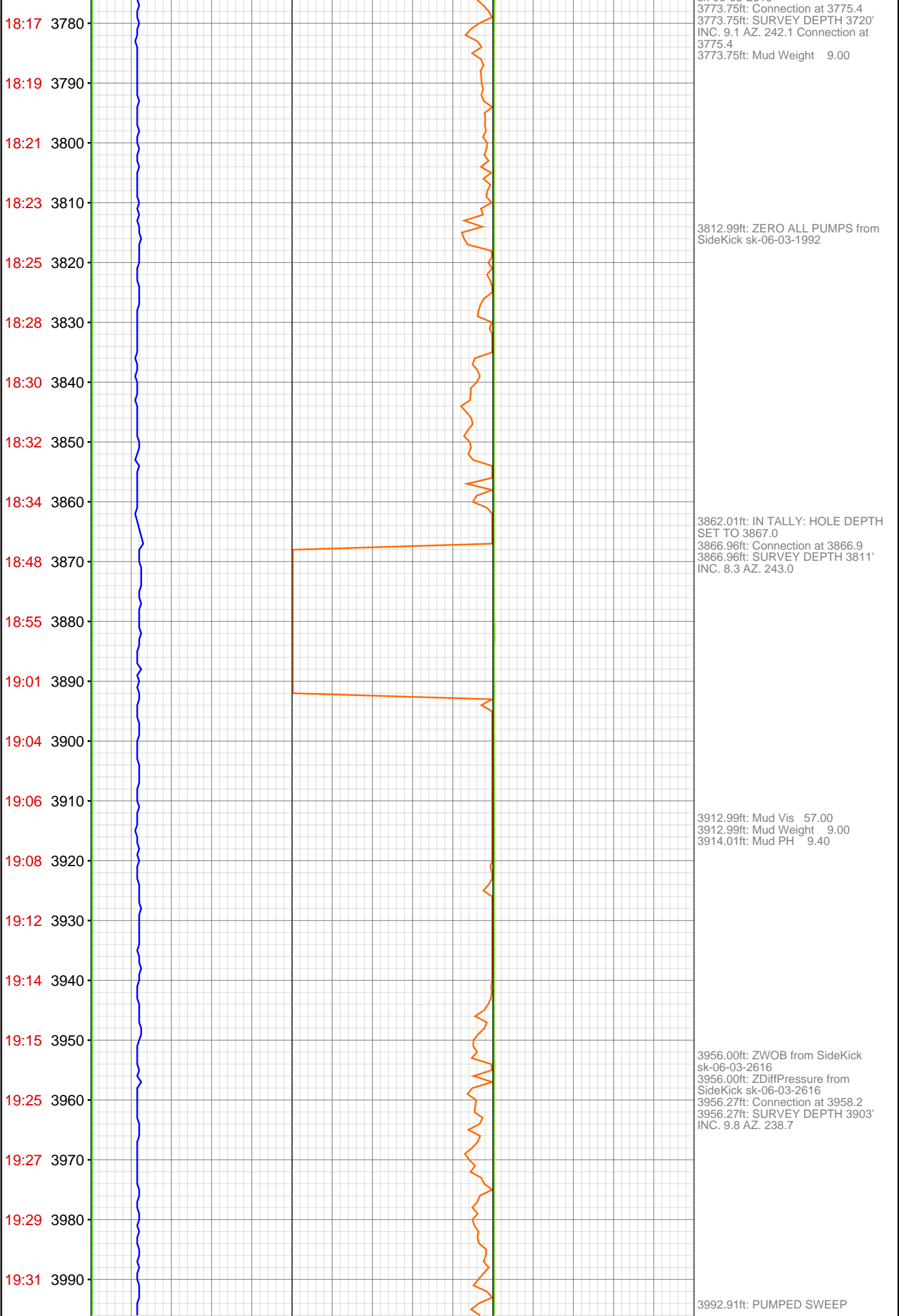


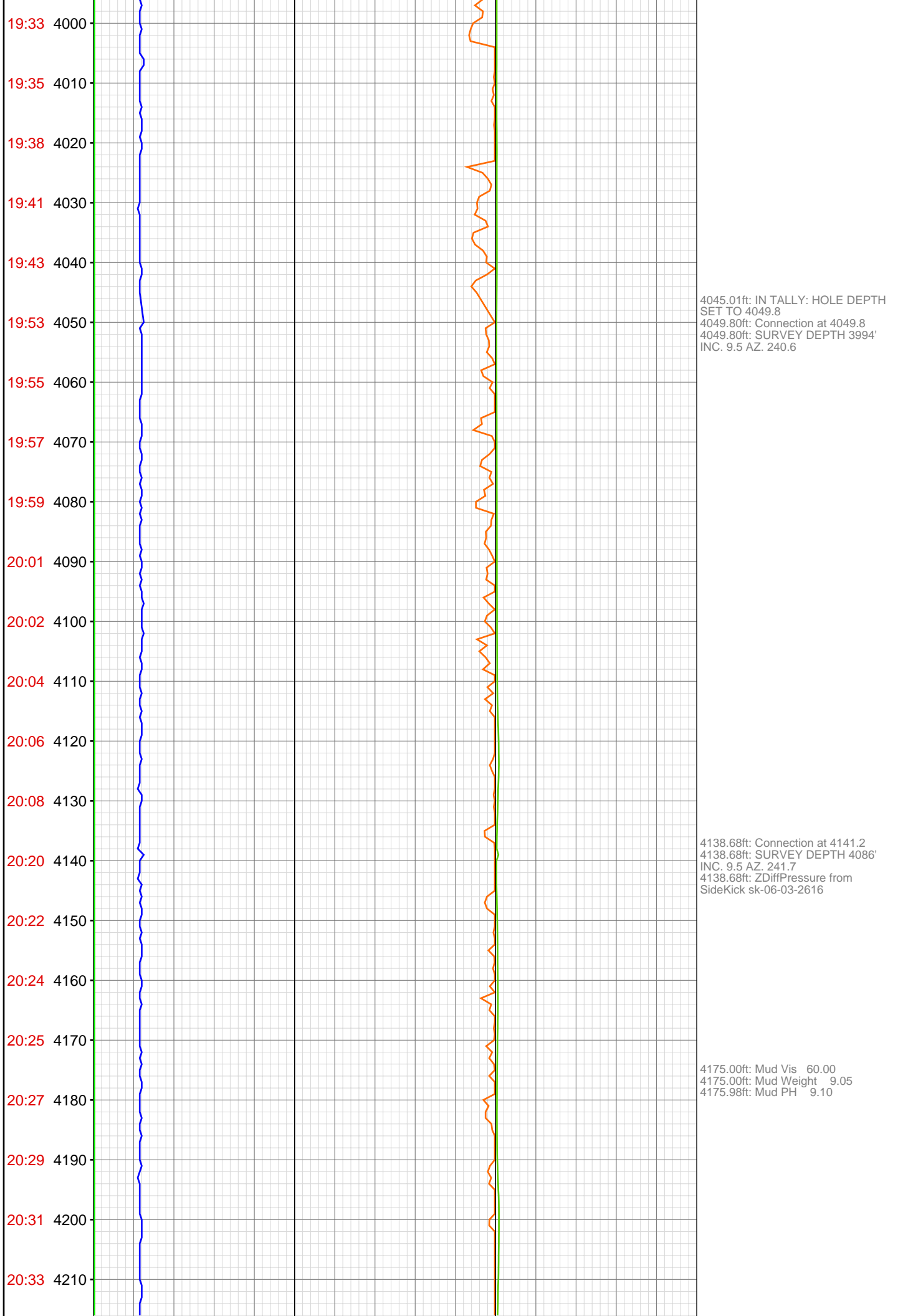


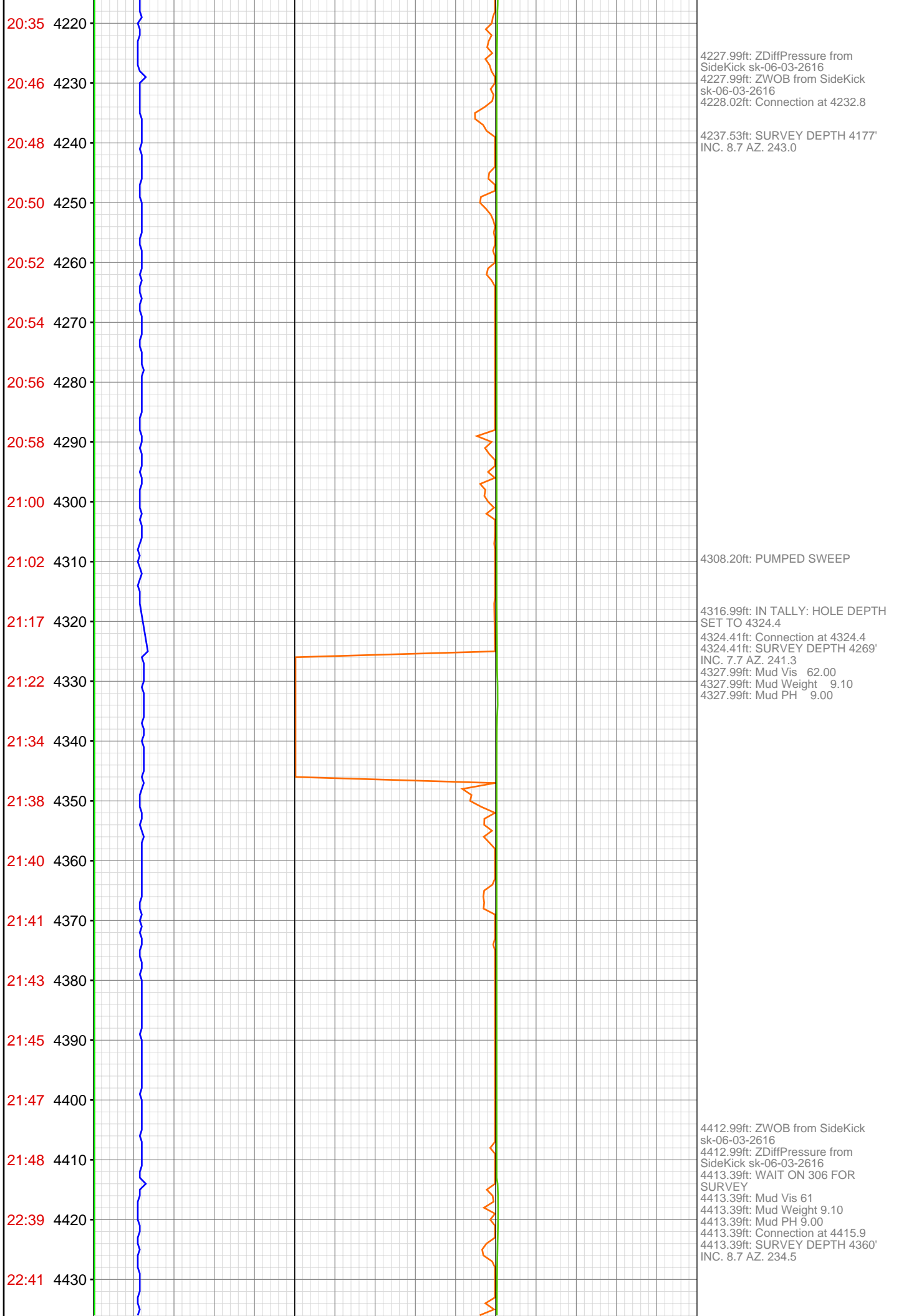




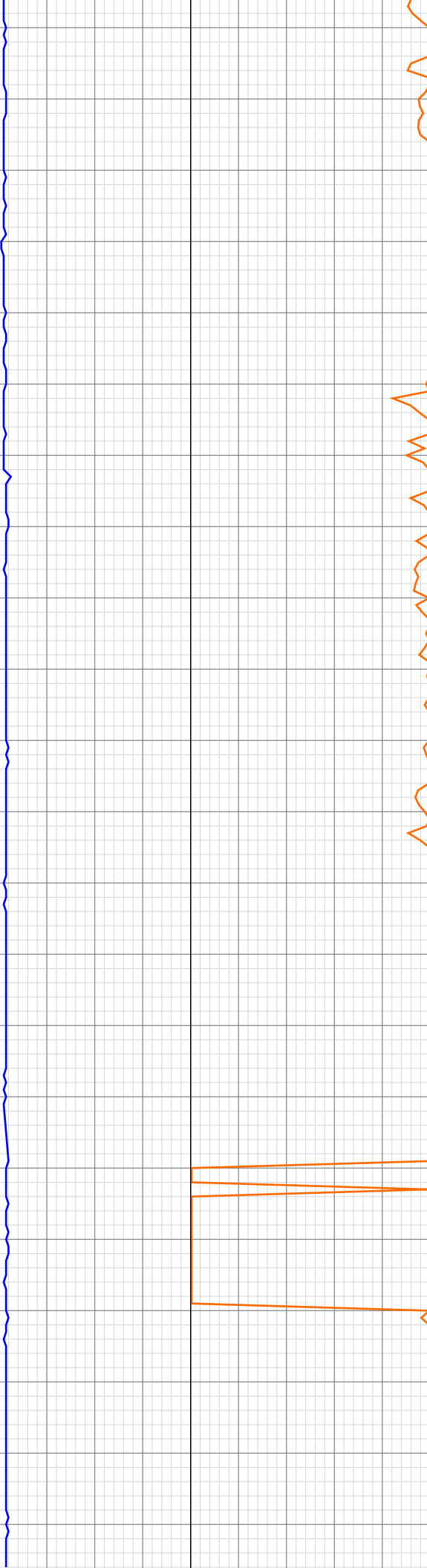








22:43 4440
22:45 4450
22:47 4460
22:49 4470
22:51 4480
22:53 4490
22:56 4500
23:06 4510
23:08 4520
23:10 4530
23:12 4540
23:13 4550
23:15 4560
23:17 4570
23:19 4580
23:21 4590
23:33 4600
23:42 4610
23:52 4620
23:54 4630
23:56 4640
23:58 4650



4464.93ft: PUMPED SWEEP

4502.00ft: ZWOB from SideKick
sk-06-03-2616
4502.00ft: ZDiffPressure from
SideKick sk-06-03-2616
4502.36ft: Connection at 4507.3
4502.36ft: SURVEY DEPTH 4452'
INC. 8.5 AZ. 233.4
4502.36ft: PUMP CATCH TANK

4591.01ft: IN TALLY: HOLE DEPTH
SET TO 4598.8
4598.82ft: Connection at 4598.8
4598.82ft: SURVEY DEPTH 4543'
INC. 8.1 AZ. 234.1
4599.02ft: 008TGAS-Check dryer
cable (rig air)
4604.00ft: Mud Vis 59.00
4604.00ft: Mud Weight 9.10
4604.00ft: Mud PH 9.50

Dec 08, 2011

00:00 4660

00:02 4670

00:05 4680

00:15 4690

00:17 4700

00:19 4710

00:23 4720

00:25 4730

00:26 4740

00:28 4750

00:30 4760

00:31 4770

00:42 4780

00:44 4790

00:46 4800

00:48 4810

00:51 4820

00:53 4830

01:06 4840

01:08 4850

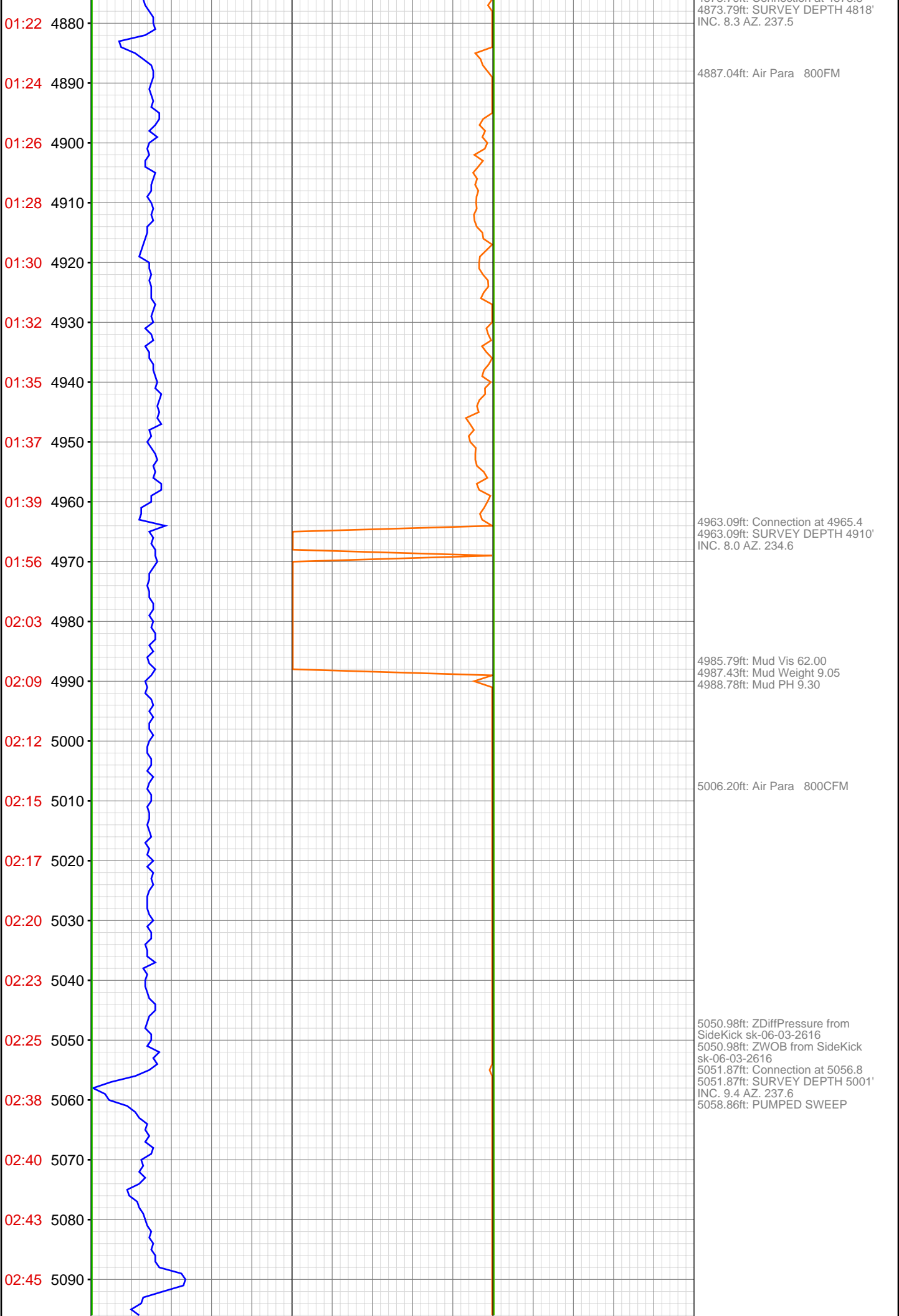
01:10 4860

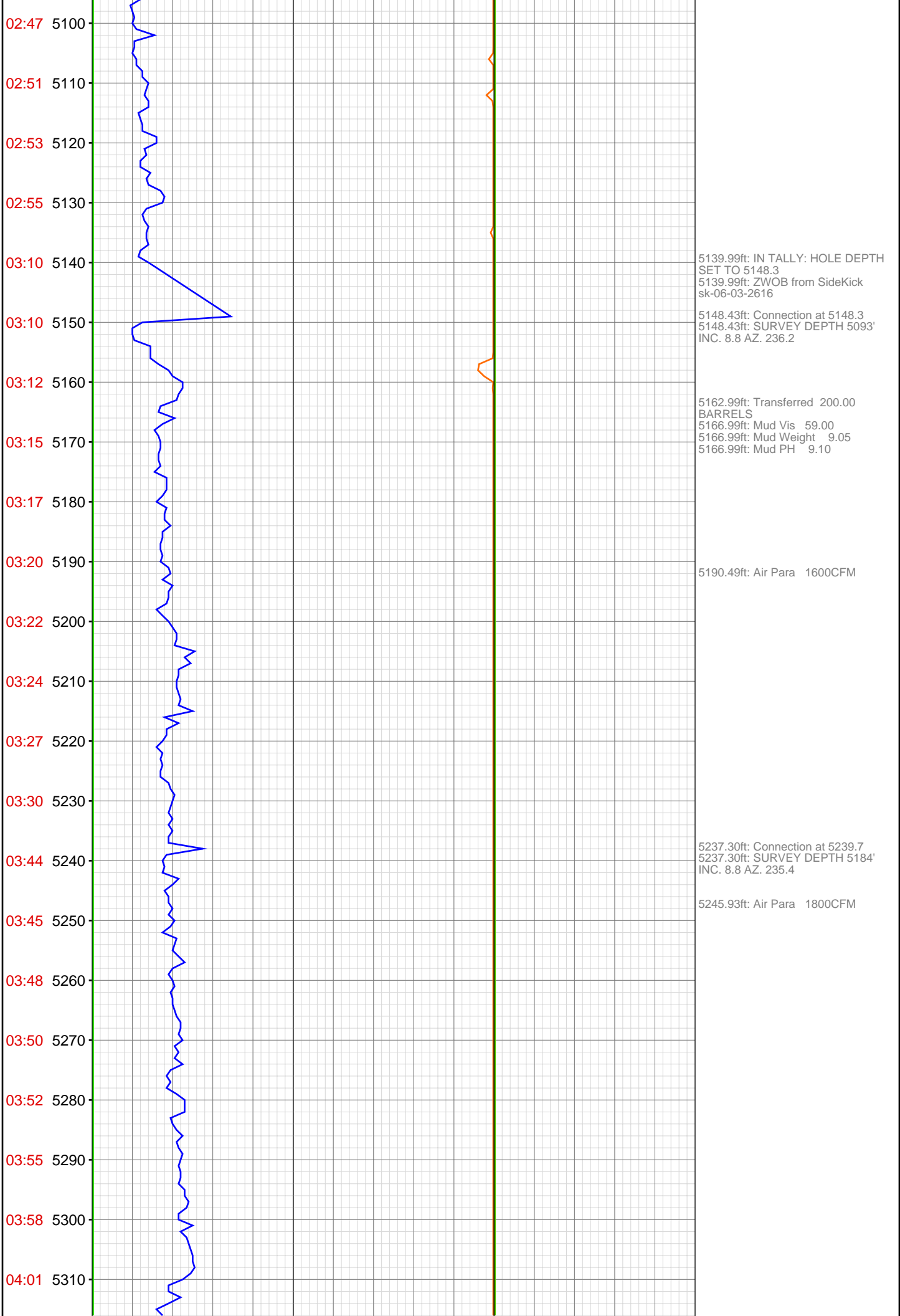
01:21 4870

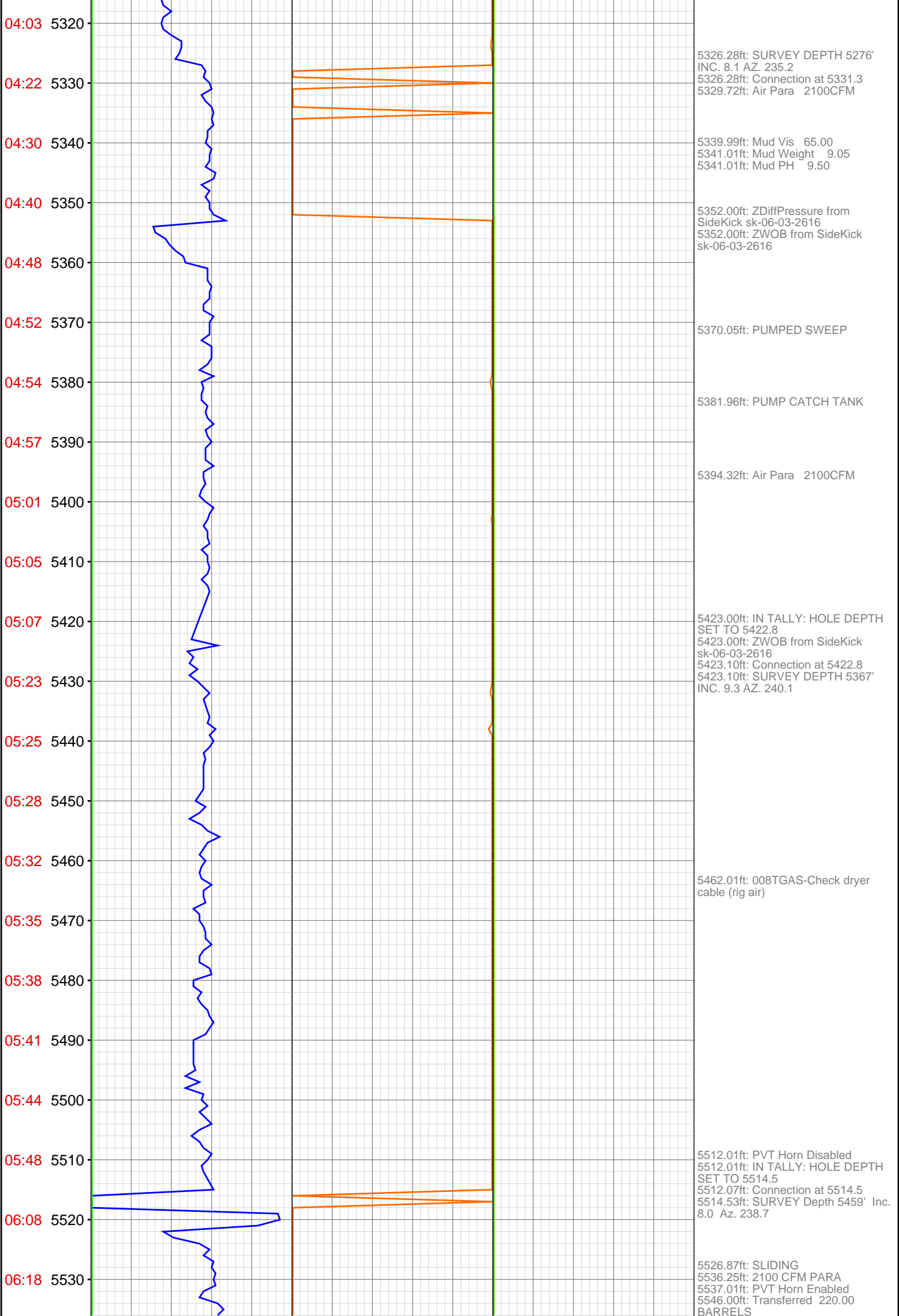
4687.01ft: ZWOB from SideKick
sk-06-03-2616
4687.01ft: ZDiffPressure from
SideKick sk-06-03-2616
4687.89ft: Connection at 4690.4
4689.34ft: SURVEY DEPTH 4635'
INC. 9.6 AZ. 234.0

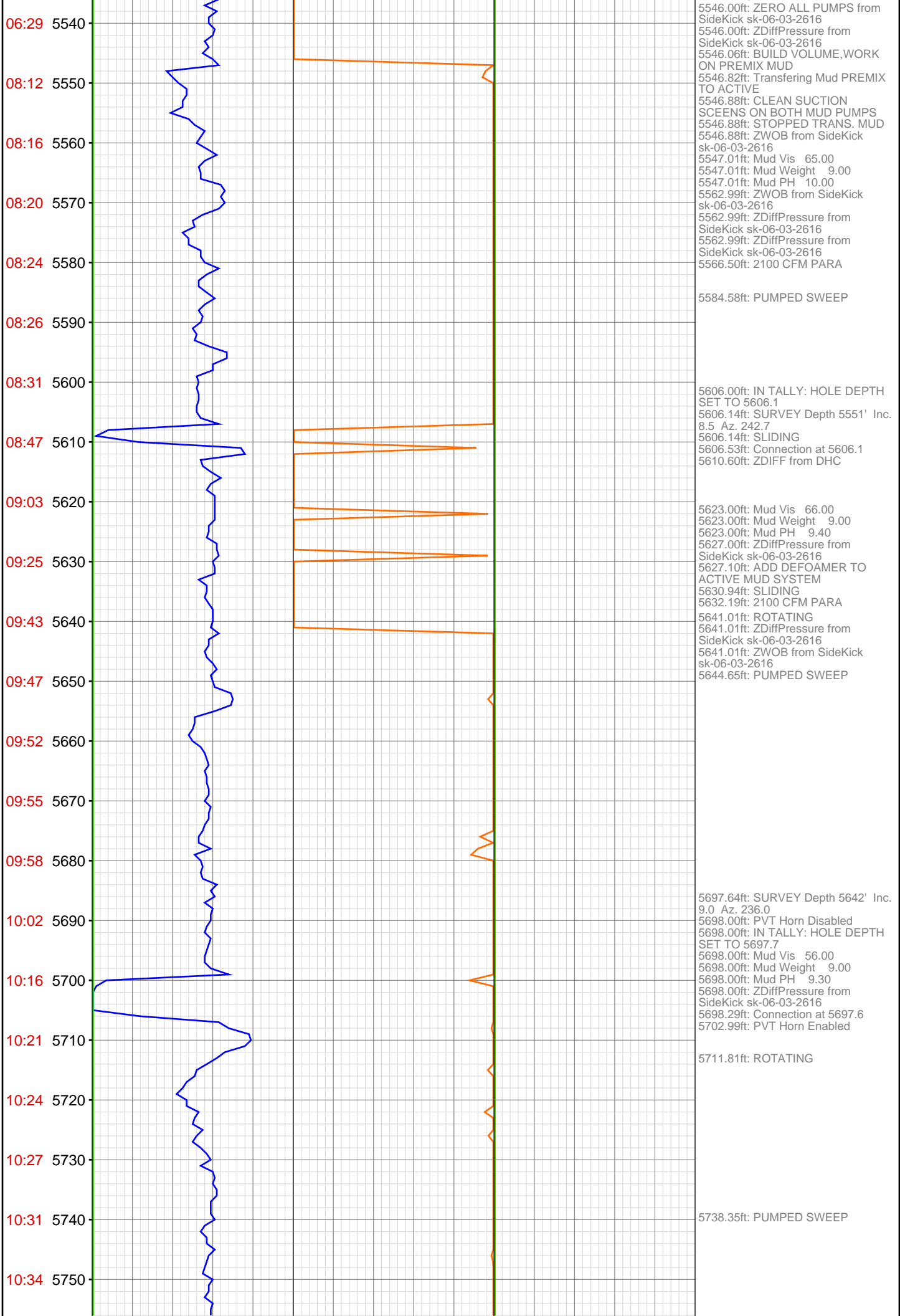
4777.00ft: Mud Vis 60.00
4777.00ft: Mud Weight 9.10
4777.00ft: Mud PH 9.10
4777.00ft: ZDiffPressure from
SideKick sk-06-03-2616
4777.00ft: ZWOB from SideKick
sk-06-03-2616
4777.07ft: Connection at 4782.2
4777.07ft: SURVEY DEPTH 4727'
INC. 9.1 AZ. 233.5
4784.48ft: PUMPED SWEEP
4789.01ft: ZDiffPressure from
SideKick sk-06-03-2616

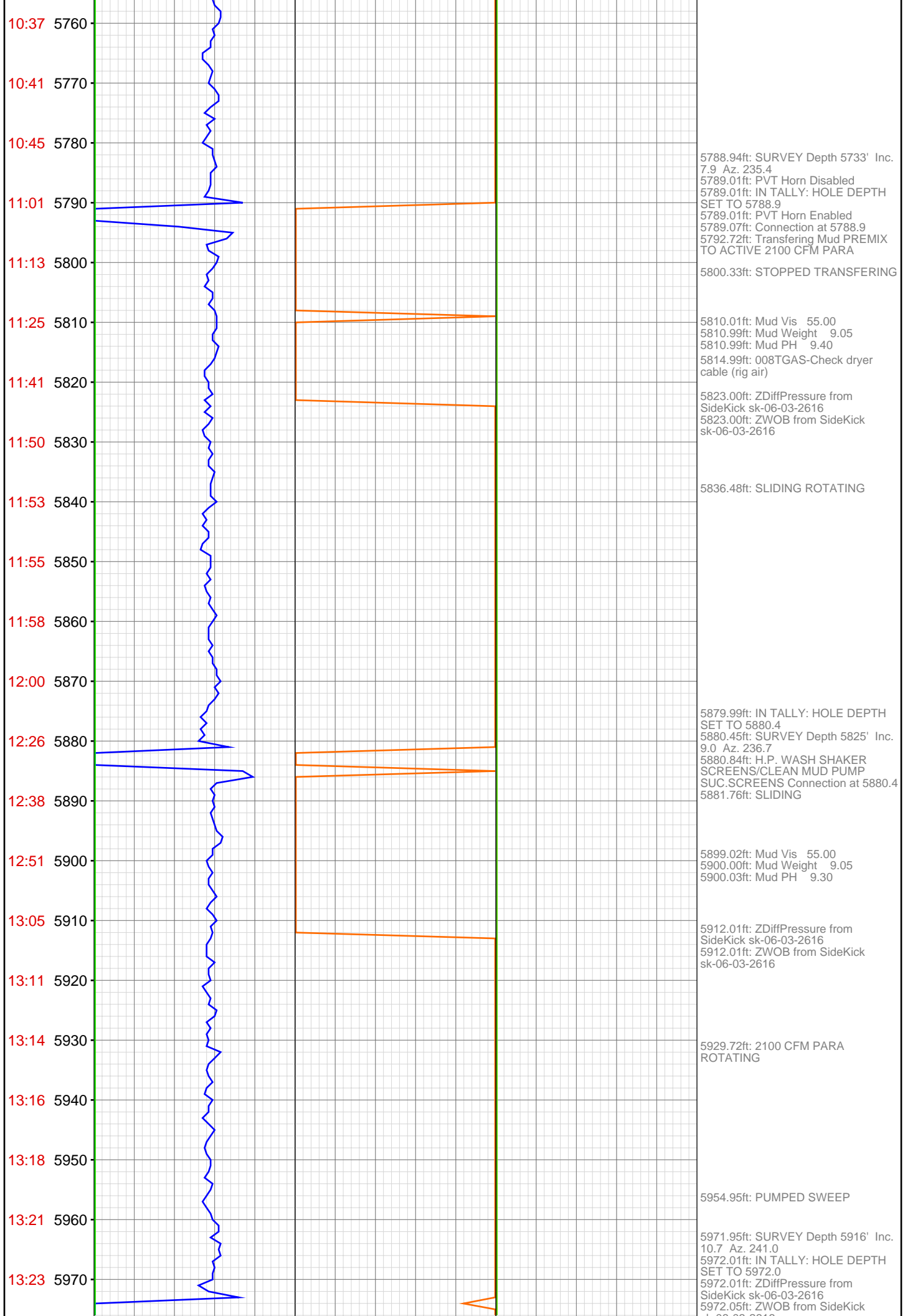
4856.86ft: Mud Vis 61.00
4860.60ft: Mud Weight 9.10
4864.96ft: Mud PH 9.00
4866.01ft: IN TALLY: HOLE DEPTH
SET TO 4873.8
4866.01ft: ZWOB from SideKick
sk-06-03-2616
4866.01ft: ZDiffPressure from
SideKick sk-06-03-2616
4873.79ft: Connection at 4873.8



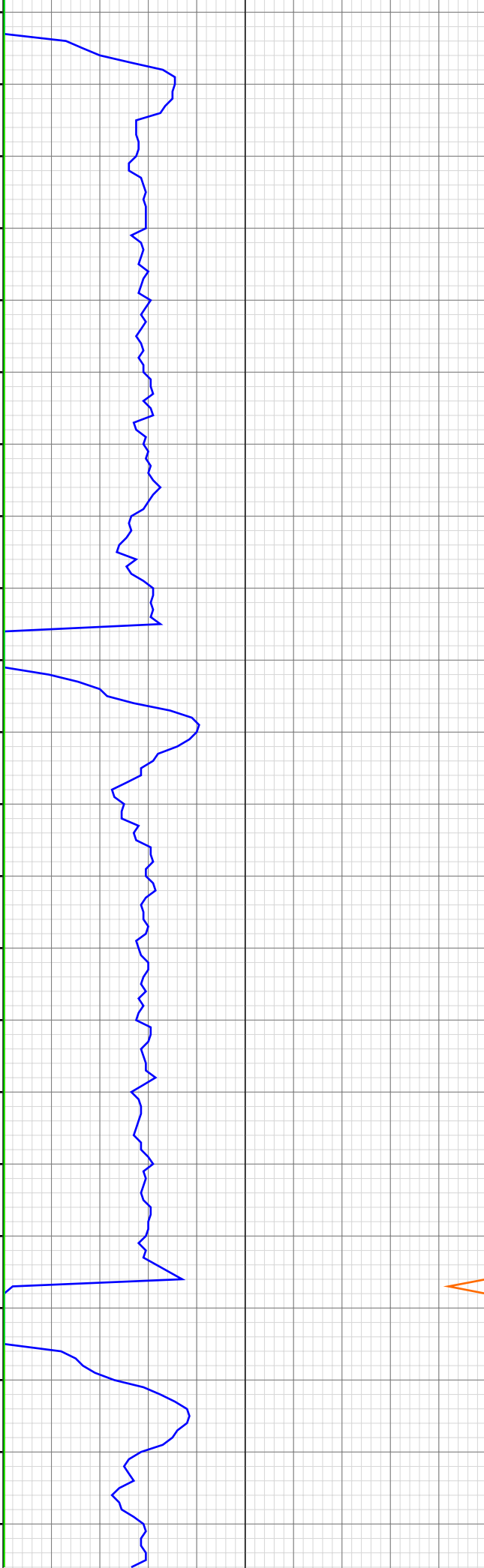








13:37 5980
13:40 5990
13:43 6000
13:46 6010
13:49 6020
13:51 6030
13:54 6040
13:56 6050
13:59 6060
14:15 6070
14:18 6080
14:21 6090
14:23 6100
14:26 6110
14:29 6120
14:32 6130
14:35 6140
14:37 6150
14:51 6160
14:54 6170
14:57 6180
14:59 6190



SK-06-03-2616
5972.87ft: PVT Horn Disabled
5972.87ft: Connection at 5972.0
5979.00ft: PVT Horn Enabled

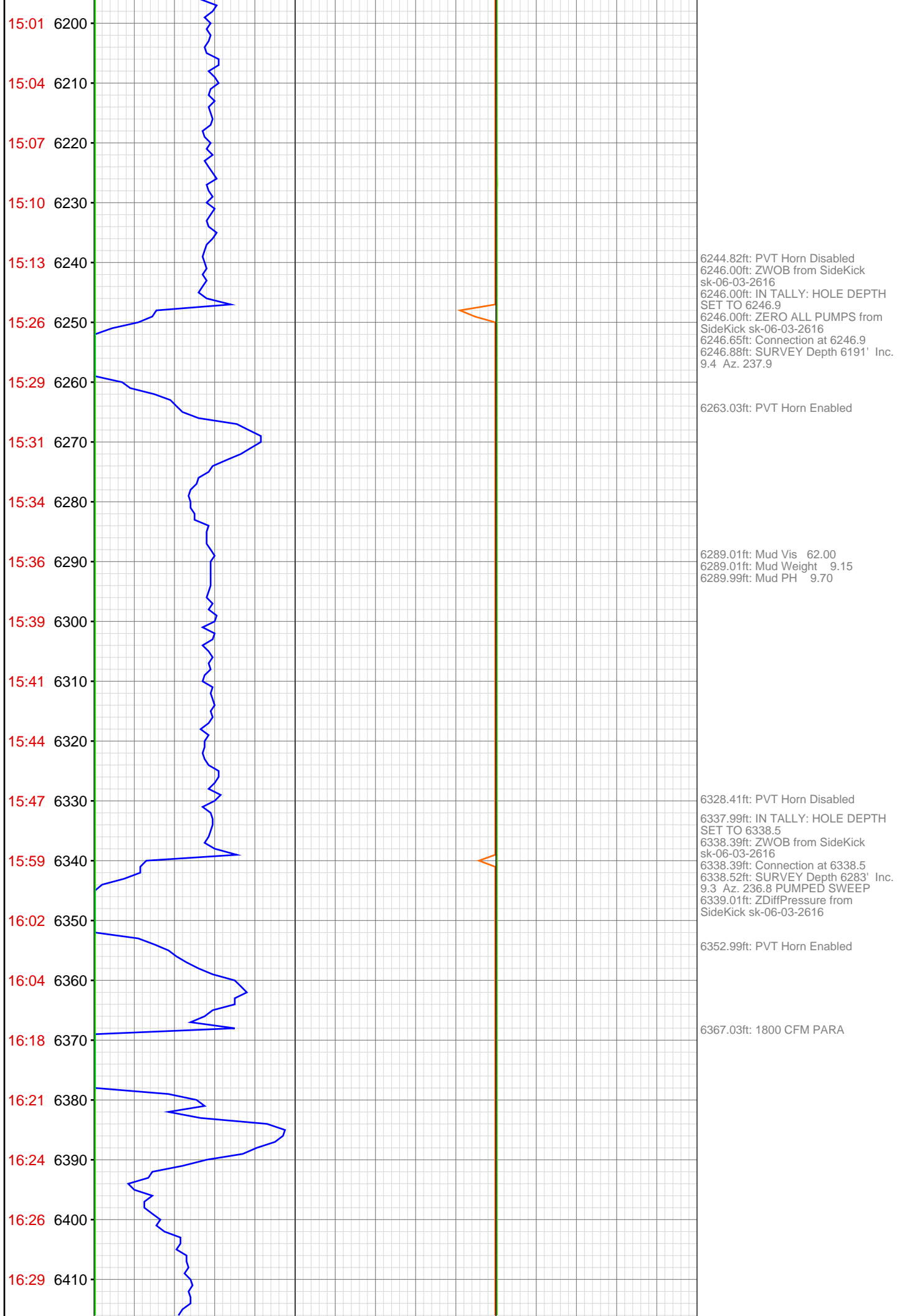
6064.01ft: PVT Horn Disabled
6064.01ft: ZDiffPressure from
SideKick sk-06-03-2616
6064.01ft: ZWOB from SideKick
sk-06-03-2616
6064.14ft: Connection at 6063.6
6064.14ft: SURVEY Depth 6008' Inc.
10.6 Az. 239.8
6067.59ft: ROTATING
6068.01ft: PVT Horn Enabled
6071.03ft: PUMPED SWEEP

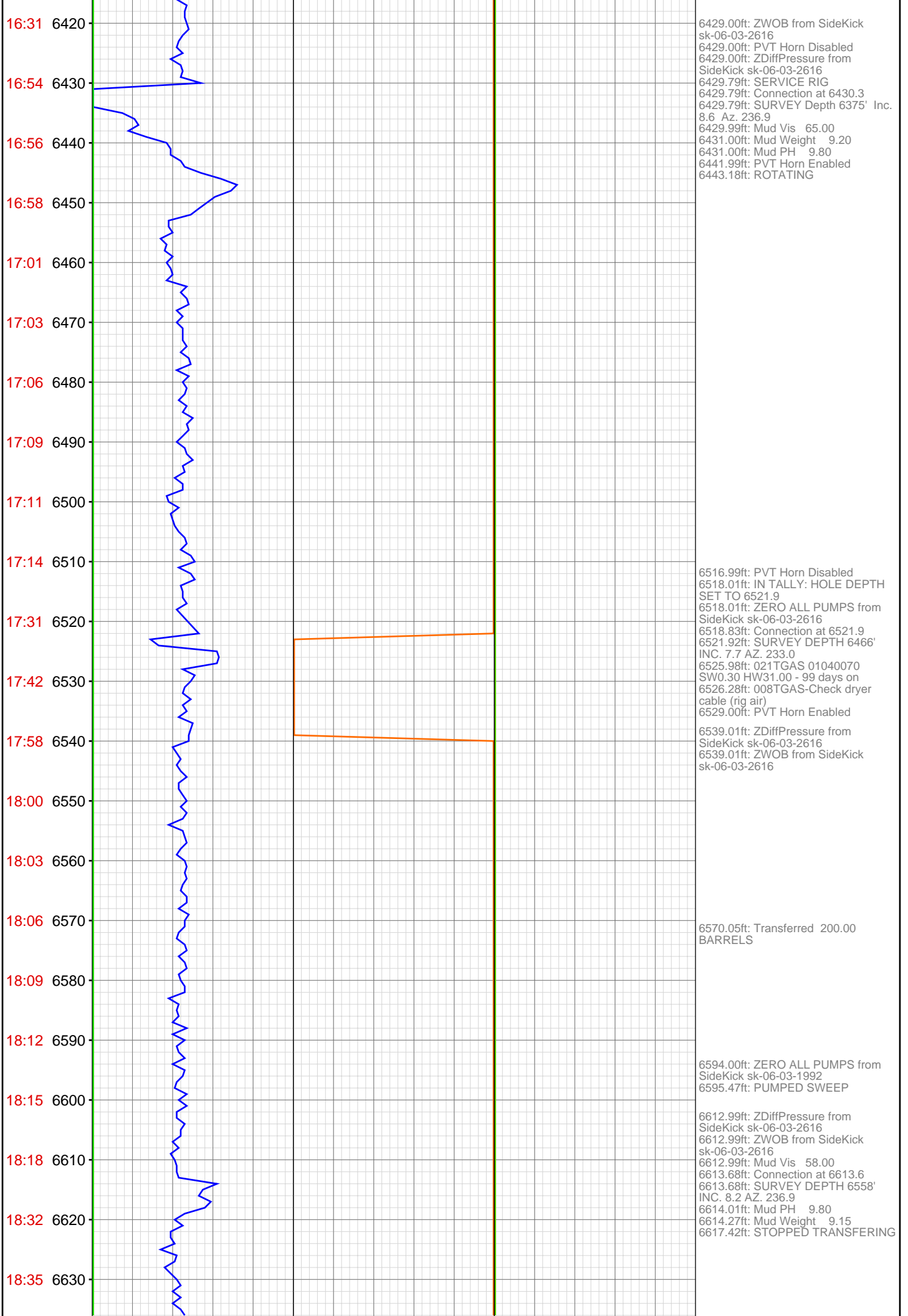
6108.01ft: Mud Vis 56.00
6108.01ft: Mud Weight 9.10
6108.99ft: Mud PH 9.00

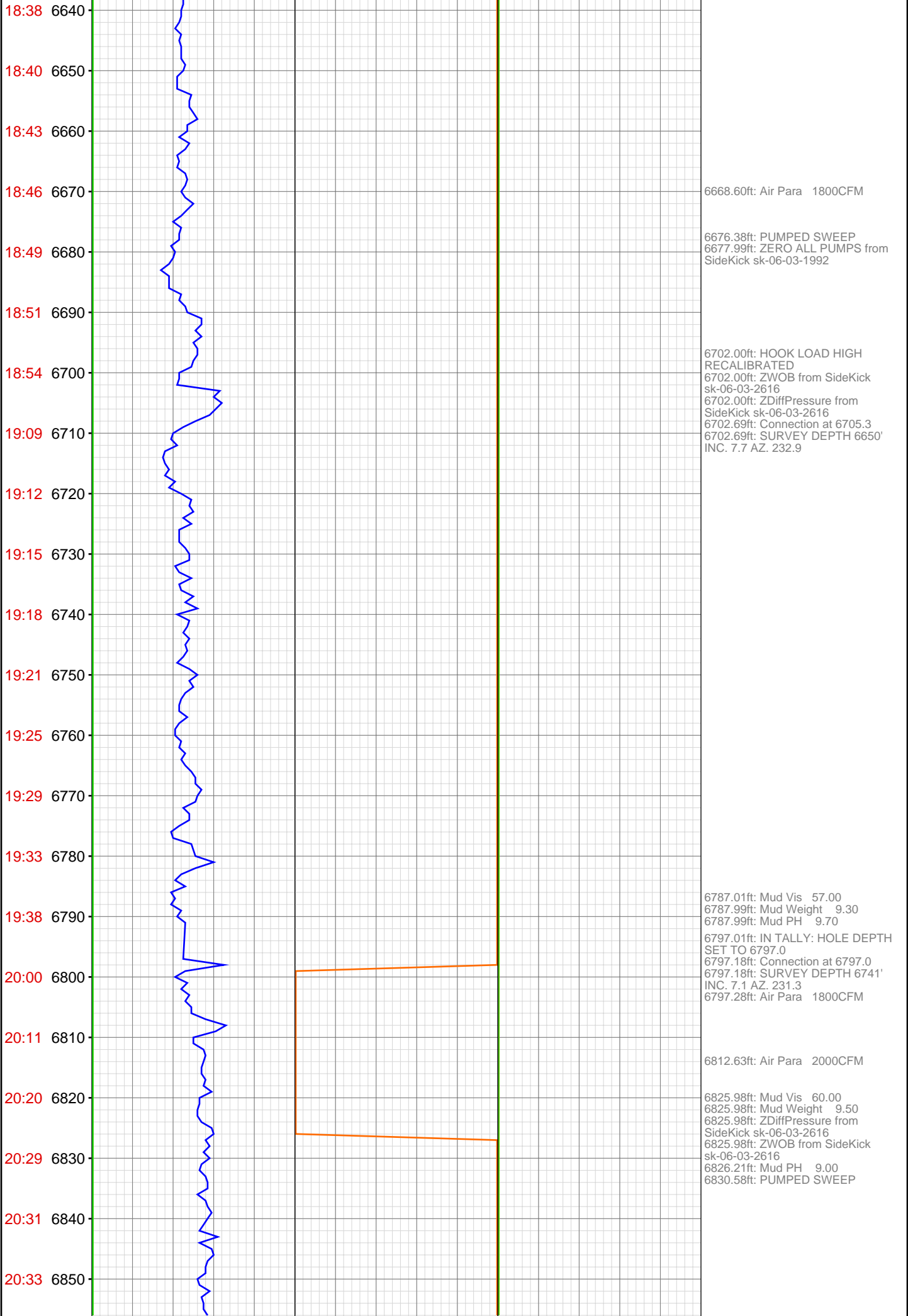
6118.08ft: Transferring Mud PREMIX
TO ACTIVE

6152.99ft: ZWOB from SideKick
sk-06-03-2616
6152.99ft: PVT Horn Disabled
6152.99ft: IN TALLY: HOLE DEPTH
SET TO 6155.2
6153.02ft: Connection at 6155.2
6155.22ft: SURVEY Depth 6100' Inc.
10.4 Az. 238.4

6162.99ft: PVT Horn Enabled
6164.73ft: STOPPED TRANSFERING







20:36 6860

20:38 6870

20:41 6880

21:04 6890

21:21 6900

21:39 6910

21:41 6920

21:43 6930

21:45 6940

21:48 6950

21:51 6960

21:55 6970

22:10 6980

22:24 6990

22:41 7000

22:59 7010

23:02 7020

23:06 7030

23:10 7040

23:13 7050

23:15 7060

23:32 7070

6886.16ft: Connection at 6888.7
6886.16ft: SURVEY DEPTH 6833'
INC. 6.2 AZ. 239.6
6890.98ft: Air Para 2000CFM

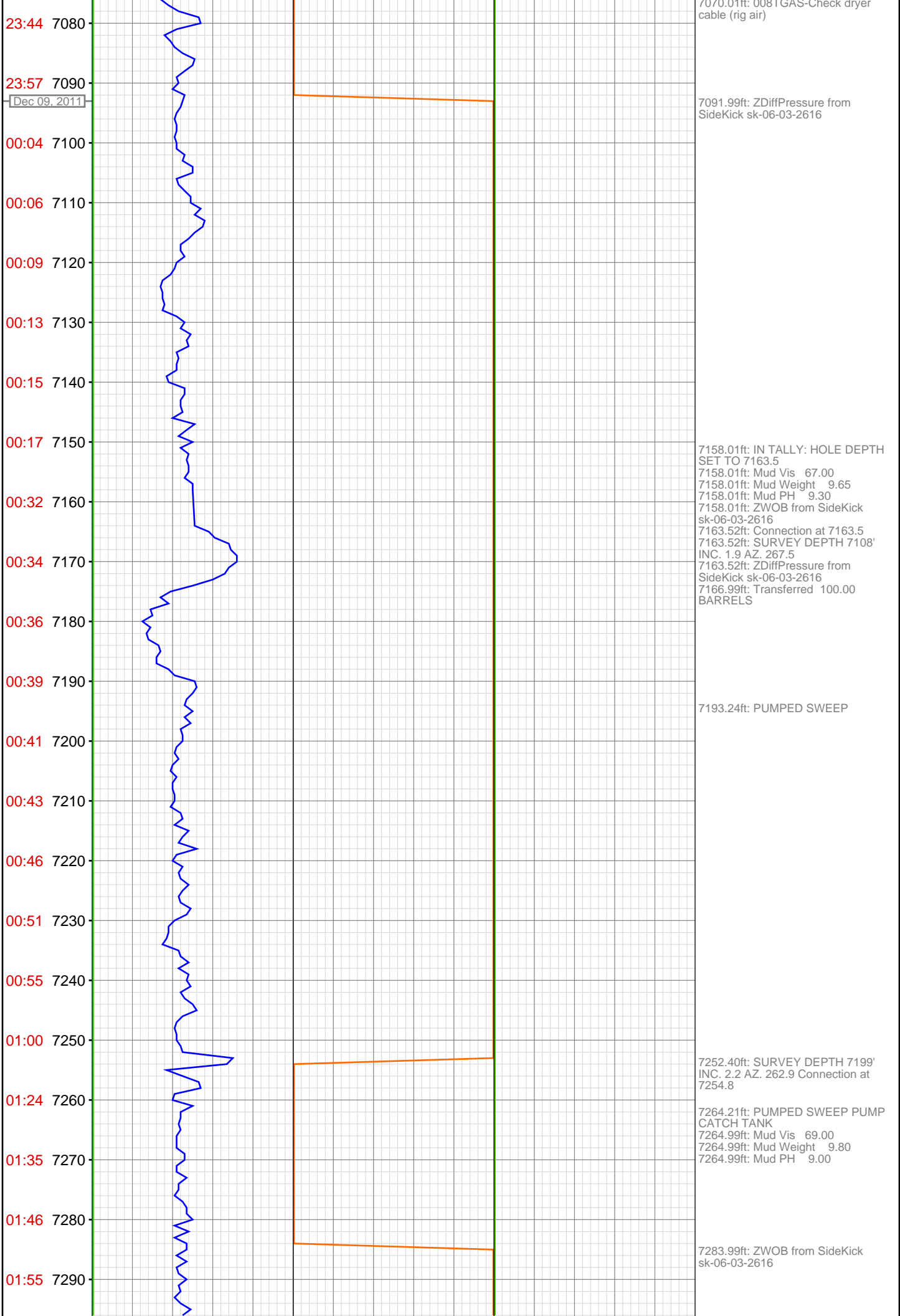
6898.16ft: Transferred 200.00
BARRELS
6900.00ft: Mud Vis 65.00
6900.00ft: Mud Weight 9.55
6900.00ft: Mud PH 9.30
6904.99ft: ZDiffPressure from
SideKick sk-06-03-2616
6905.45ft: ZWOB from SideKick
sk-06-03-2616

6980.32ft: IN TALLY: HOLE DEPTH
SET TO 6980.3
6980.32ft: Connection at 6980.3
6980.32ft: SURVEY DEPTH 6925'
INC. 5.2 AZ. 260.3
6987.01ft: Mud Weight 9.50
6987.01ft: Mud PH 9.00
6987.70ft: Mud Vis 59.00

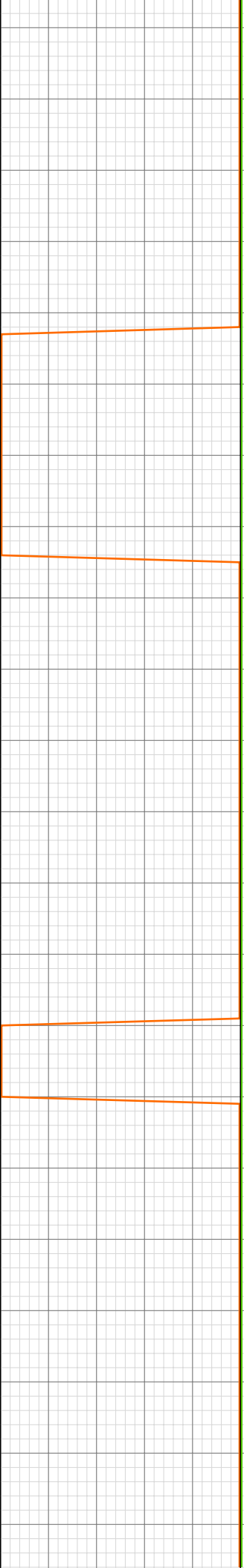
7008.01ft: ZWOB from SideKick
sk-06-03-2616
7008.01ft: ZDiffPressure from
SideKick sk-06-03-2616
7011.29ft: PUMPED SWEEP

7033.01ft: Transferred 150.00
BARRELS

7069.00ft: ZDiffPressure from
SideKick sk-06-03-2616
7069.46ft: Connection at 7072.0
7069.46ft: Air Para 1800CFM
7069.46ft: SURVEY DEPTH 7016'
INC. 3.6 AZ. 270.5



01:59 7300
02:05 7310
02:09 7320
02:12 7330
02:16 7340
02:36 7350
02:44 7360
02:54 7370
03:03 7380
03:06 7390
03:10 7400
03:14 7410
03:18 7420
03:22 7430
03:37 7440
03:48 7450
03:57 7460
04:03 7470
04:09 7480
04:13 7490
04:18 7500
04:23 7510



7300.23ft: PUMPED SWEEP
7301.74ft: Air Para 1800CFM

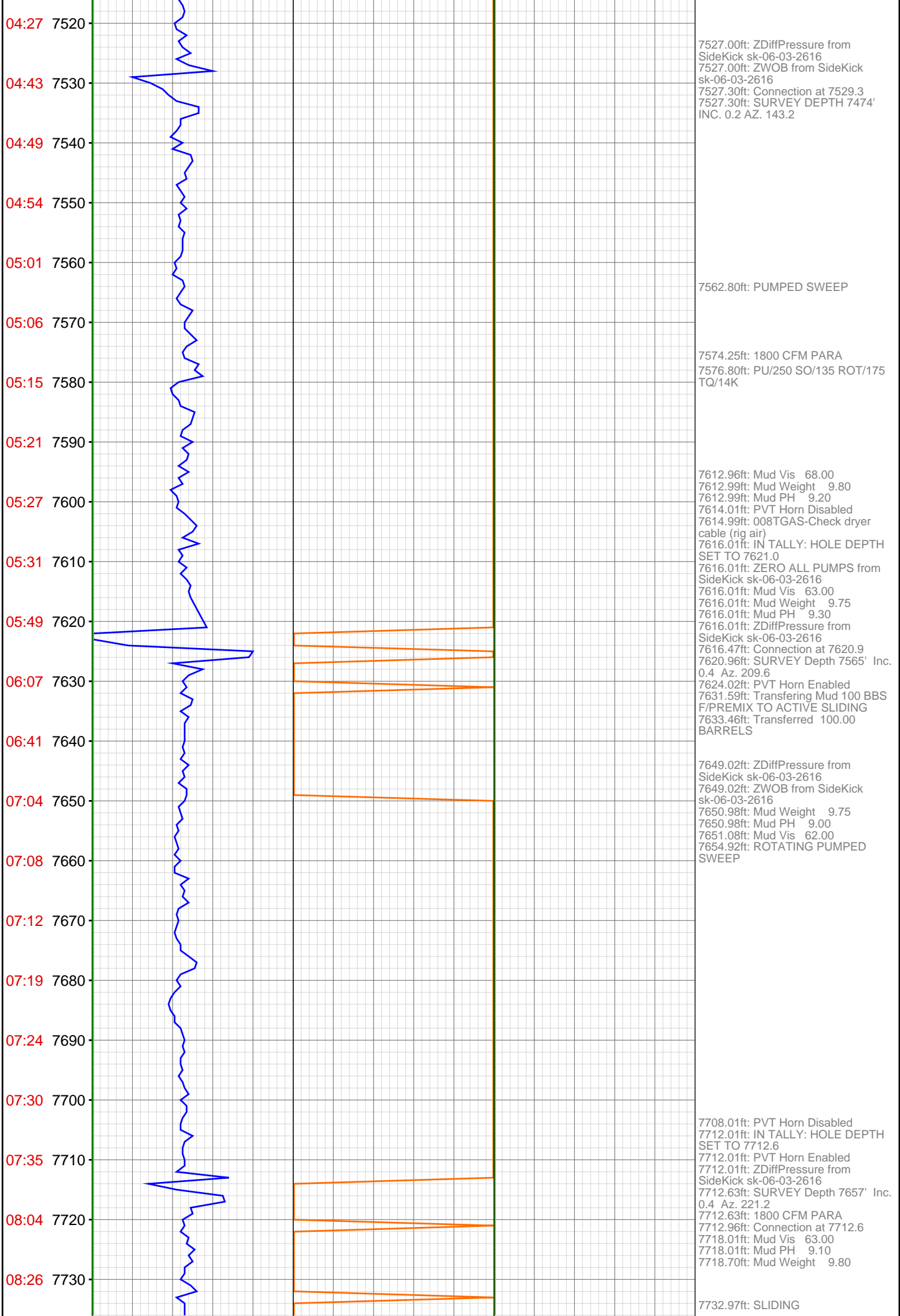
7341.01ft: Mud Vis 66.00
7341.01ft: Mud PH 9.50
7341.57ft: Connection at 7346.3
7341.57ft: SURVEY DEPTH 7291'
INC. 1.5 AZ. 245.0
7341.57ft: Mud Weight 9.75

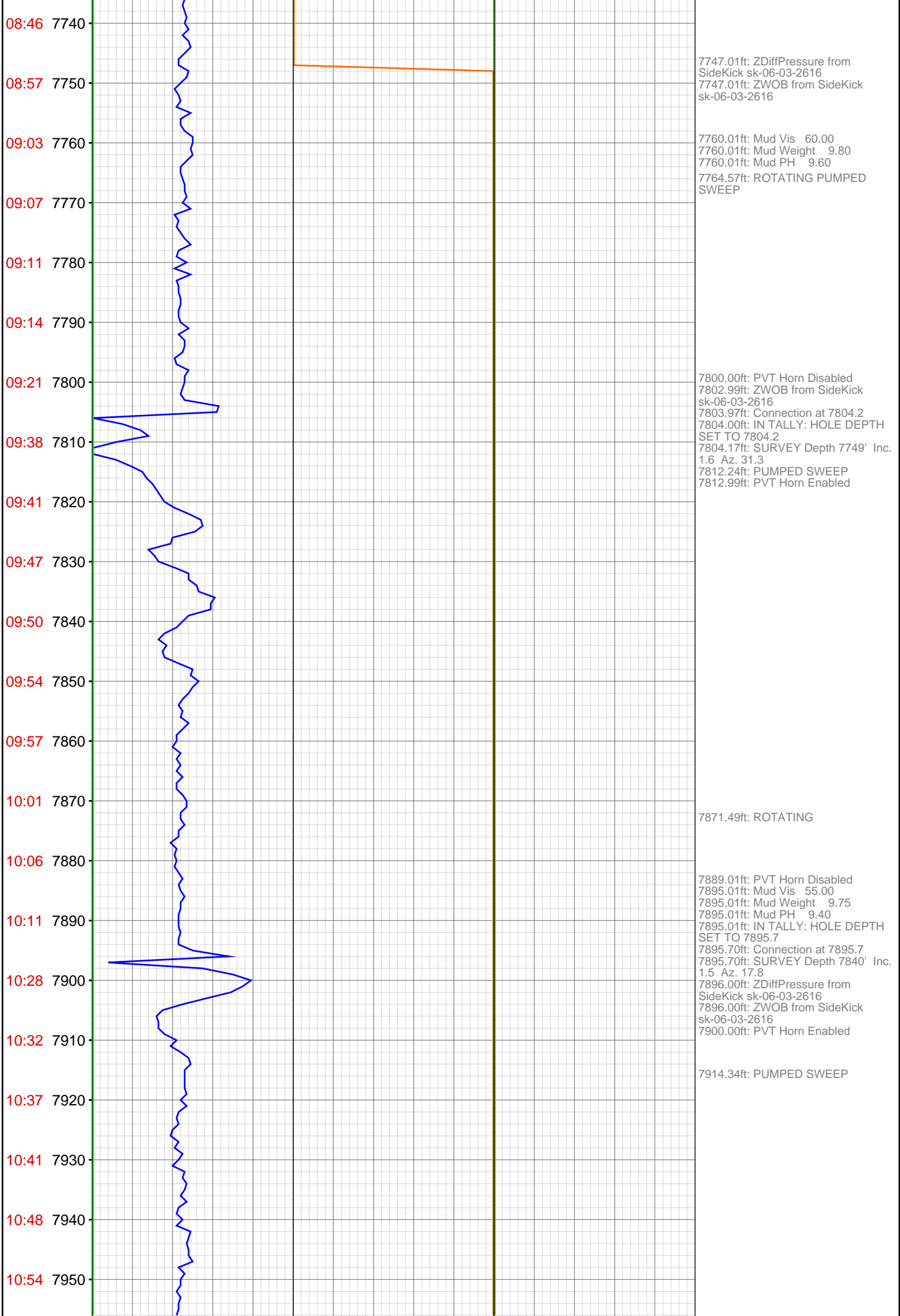
7374.02ft: ZDiffPressure from
SideKick sk-06-03-2616

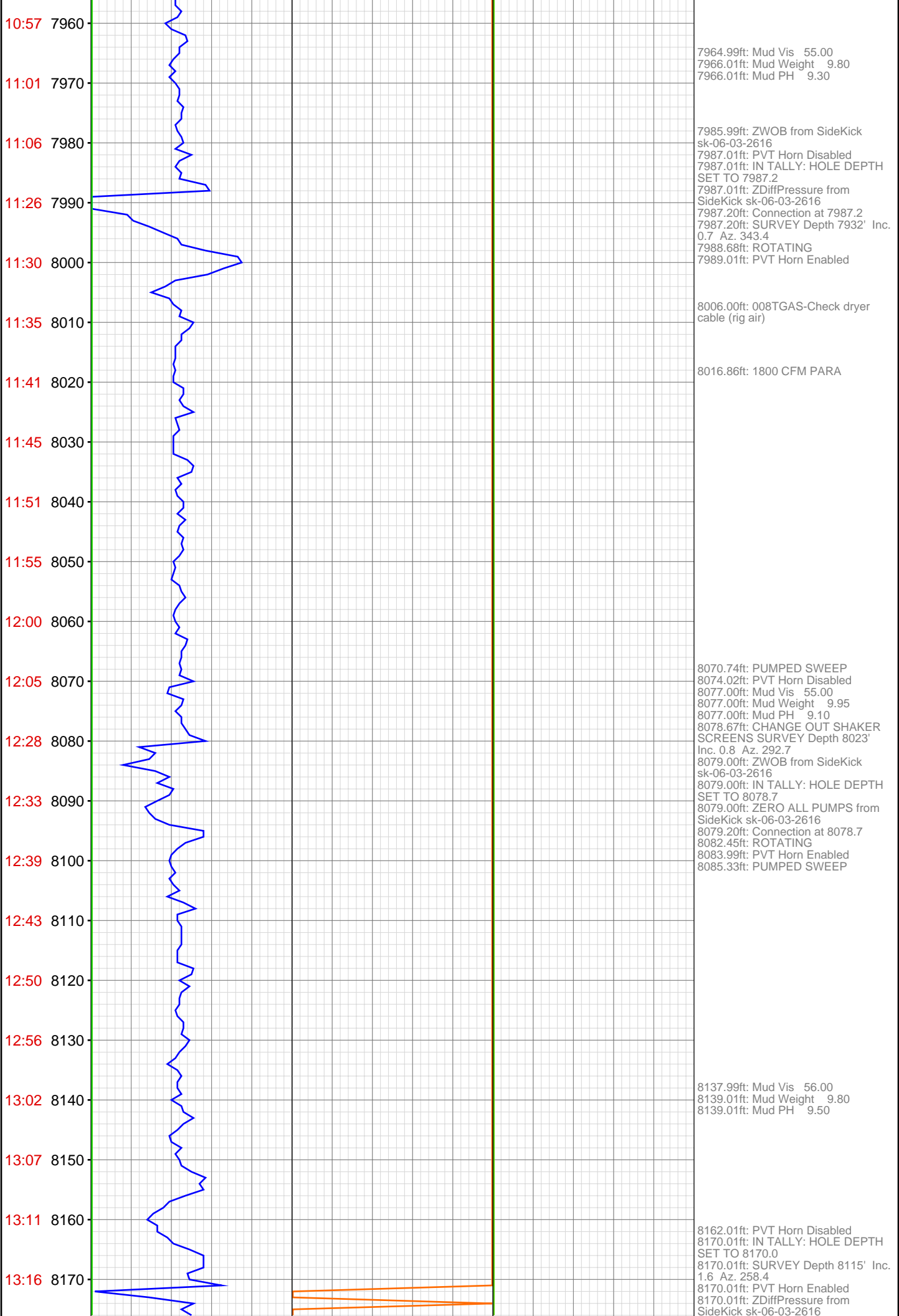
7406.43ft: PUMPED SWEEP

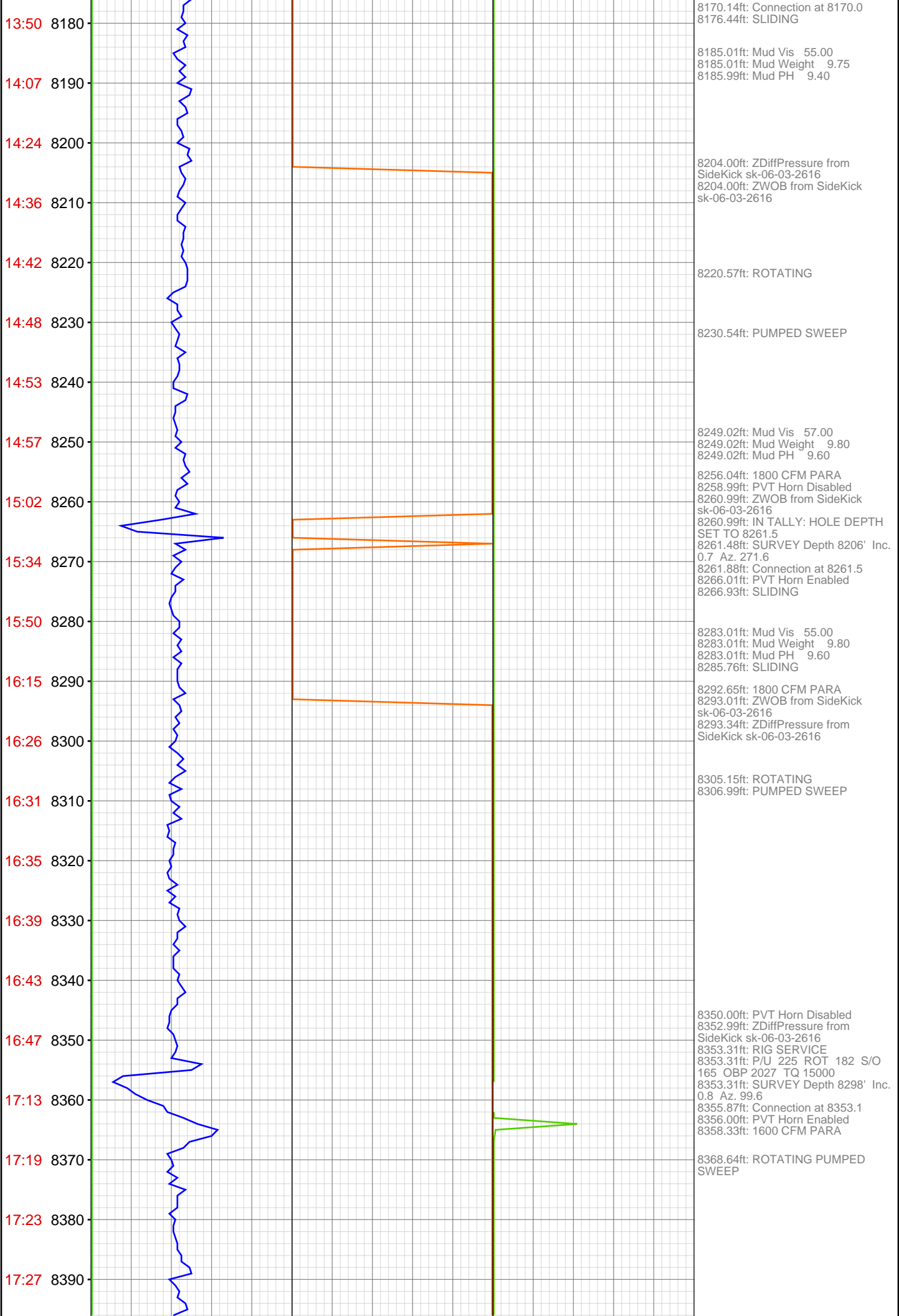
7437.99ft: IN TALLY: HOLE DEPTH
SET TO 7437.9
7437.99ft: Mud Vis 62.00
7437.99ft: Mud PH 9.20
7438.25ft: Connection at 7437.9
7438.25ft: SURVEY DEPTH 7382'
INC. 0.1 AZ. 180.1
7438.25ft: Mud Weight 9.75
7450.00ft: ZDiffPressure from
SideKick sk-06-03-2616
7450.00ft: ZWOB from SideKick
sk-06-03-2616
7450.00ft: ZDiffPressure from
SideKick sk-06-03-2616

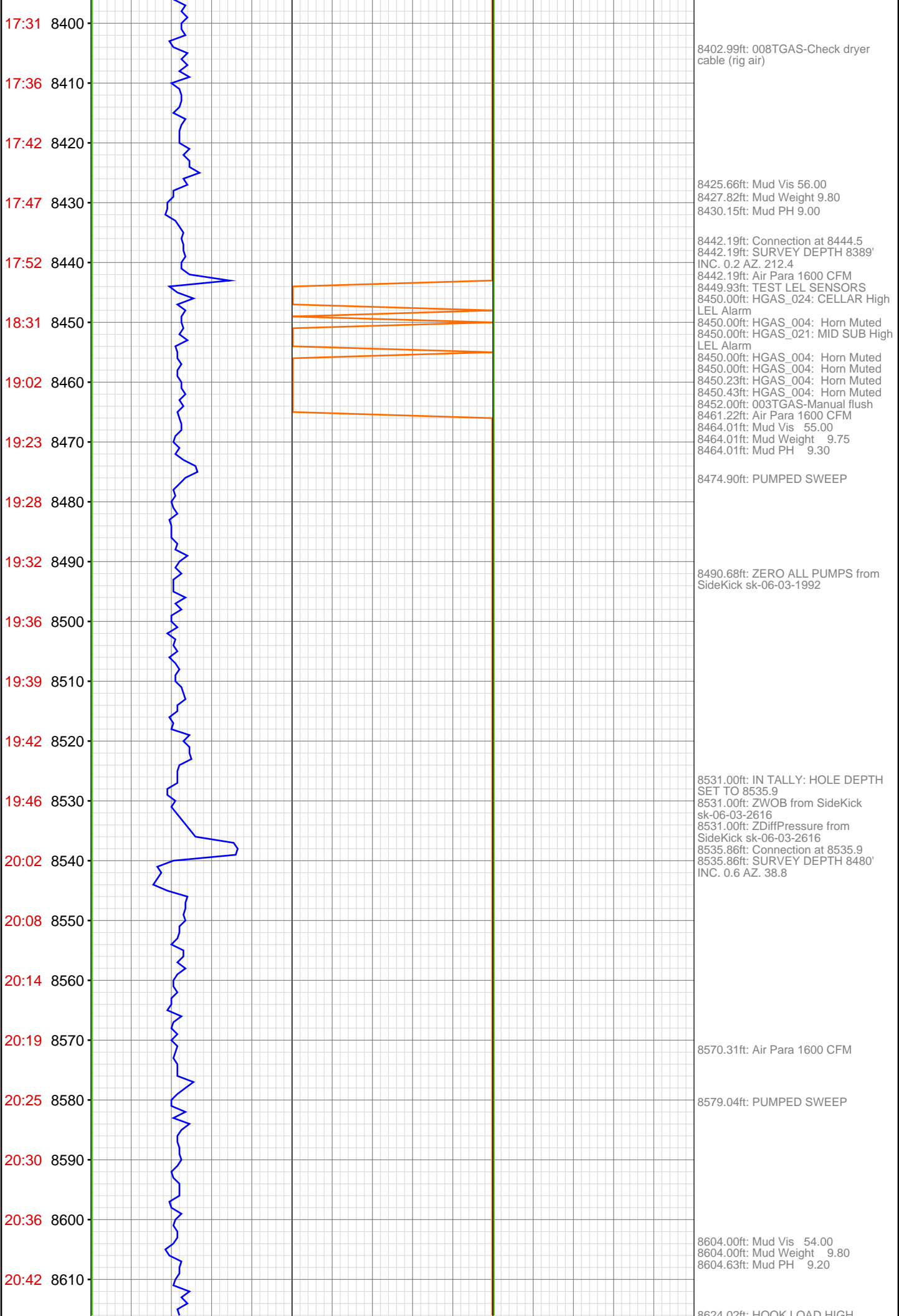
7500.00ft: Mud Vis 65.00
7500.00ft: Mud PH 9.00
7500.85ft: Mud Weight 9.80
7502.00ft: Transferred 125.00
BARRELS

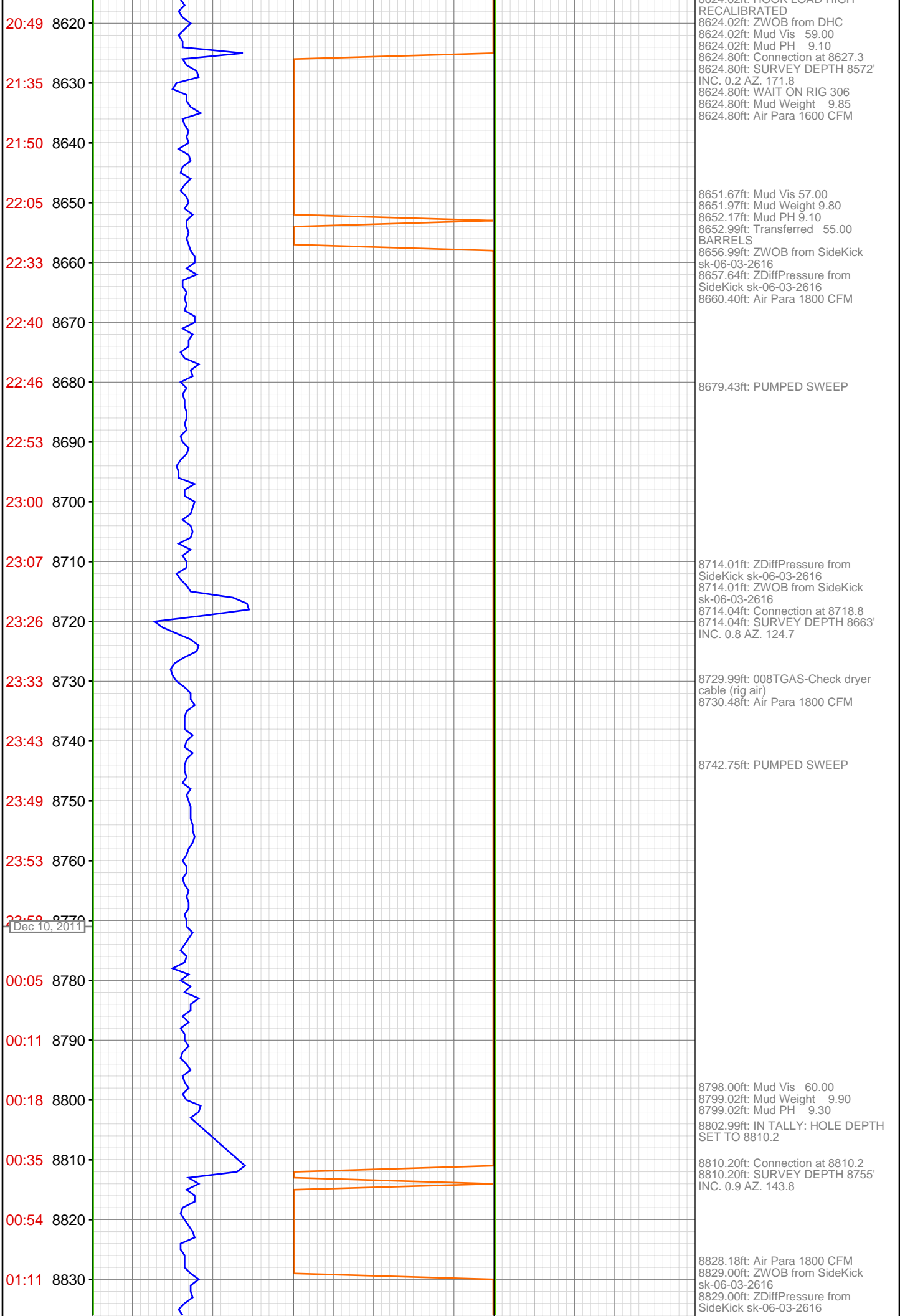












01:16 8840

01:20 8850

01:25 8860

01:32 8870

01:38 8880

01:43 8890

02:01 8900

02:06 8910

02:11 8920

02:16 8930

02:22 8940

02:27 8950

02:32 8960

02:37 8970

02:44 8980

03:05 8990

03:30 9000

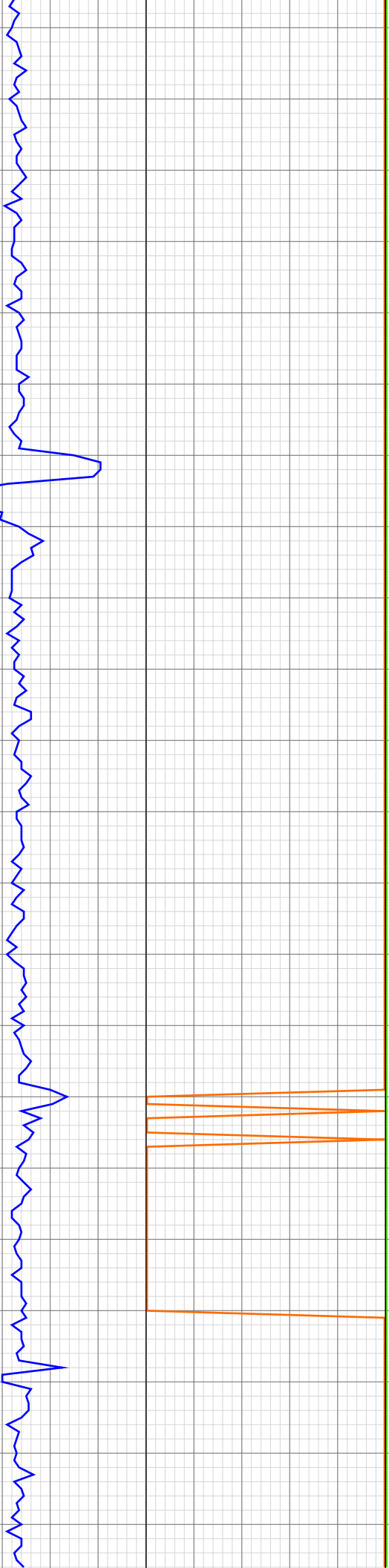
03:43 9010

03:59 9020

04:13 9030

04:18 9040

04:22 9050



8856.33ft: PUMPED SWEEP
8858.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-1992

8879.99ft: Mud Vis 58.00
8879.99ft: Mud Weight 9.80
8879.99ft: Mud PH 9.00

8899.02ft: ZDiffPressure from
SideKick sk-06-03-2616
8899.02ft: ZWOB from SideKick
sk-06-03-2616
8899.31ft: Connection at 8901.7
8899.31ft: SURVEY DEPTH 8846'
INC. 0.9 AZ. 117.1

8913.81ft: PUMPED SWEEP

8919.00ft: ZERO ALL PUMPS from
SideKick sk-06-03-1992

8929.99ft: Mud Vis 61.00
8929.99ft: Mud Weight 9.80
8929.99ft: Mud PH 9.50

8952.26ft: Air Para 1800 CFM

8988.45ft: Connection at 8993.4
8988.45ft: SURVEY DEPTH 8938'
INC. 1.2 AZ. 189.0
8994.00ft: Mud Vis 63.00
8994.00ft: Mud Weight 9.85
8994.00ft: Mud PH 9.70

9009.51ft: PUMP CATCH TANK

9027.00ft: ZDiffPressure from
SideKick sk-06-03-2616
9027.00ft: ZWOB from SideKick
sk-06-03-2616
9027.76ft: PUMPED SWEEP
9027.76ft: Air Para 1800 CFM

