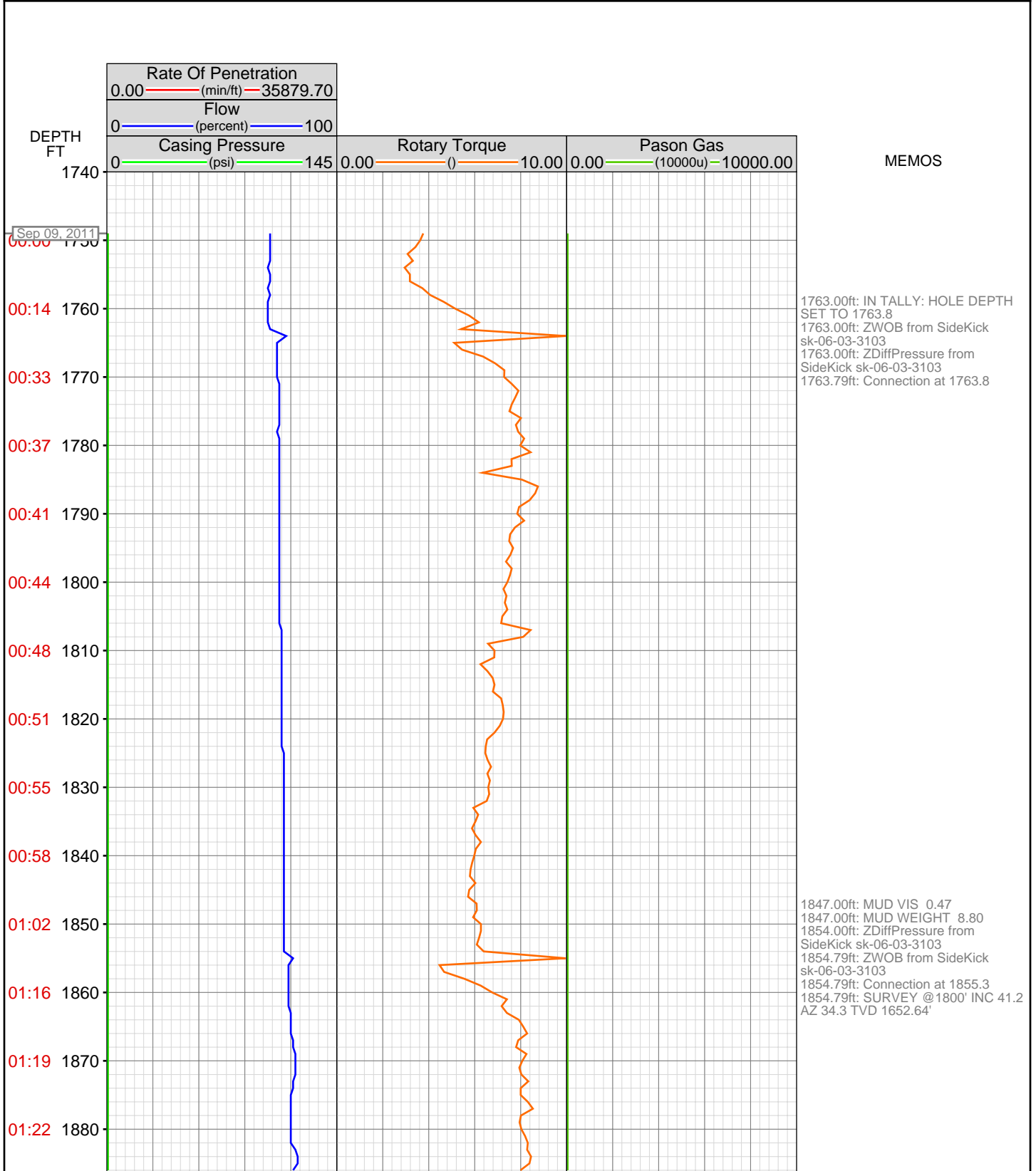


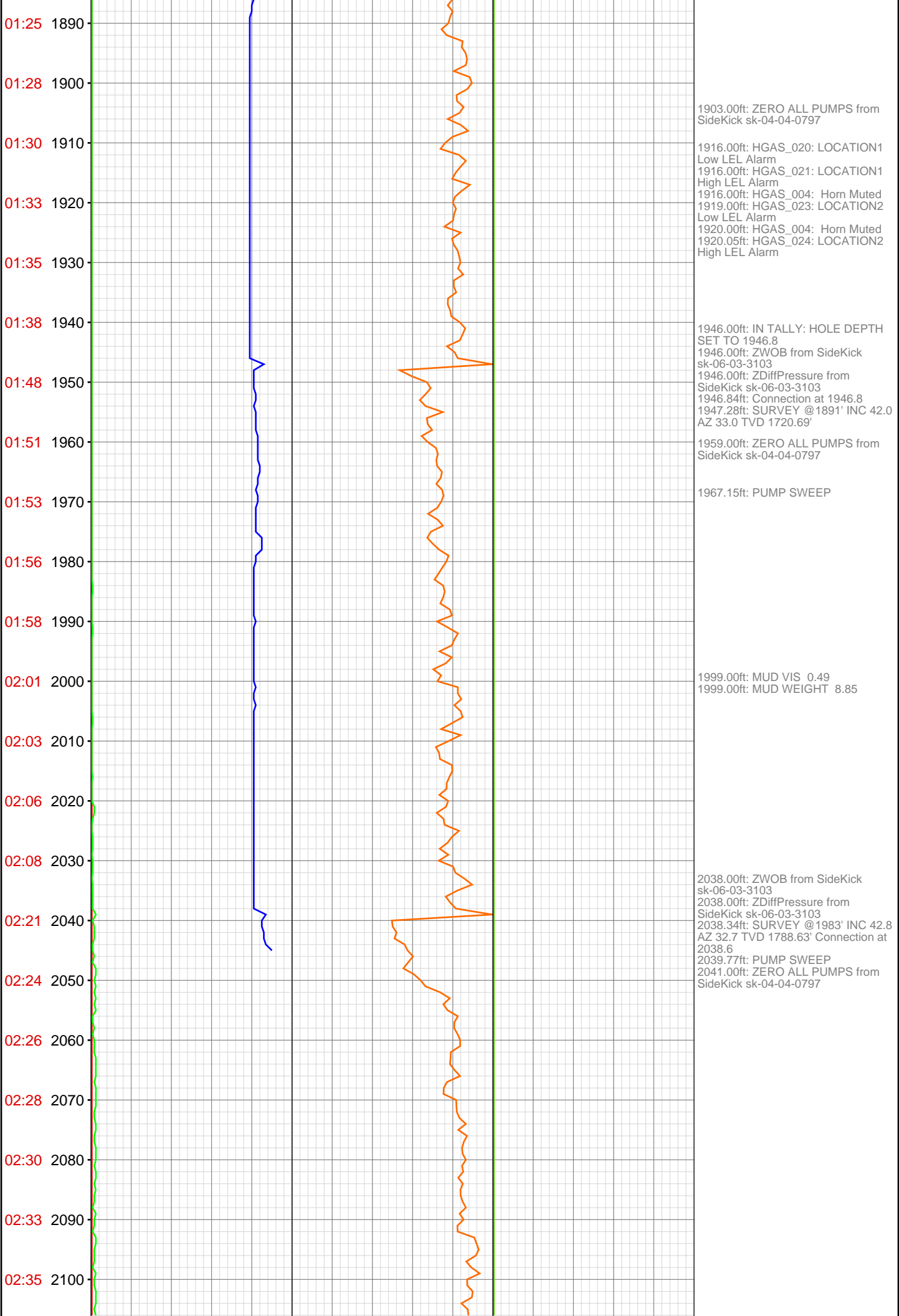
DataHub EDR Log

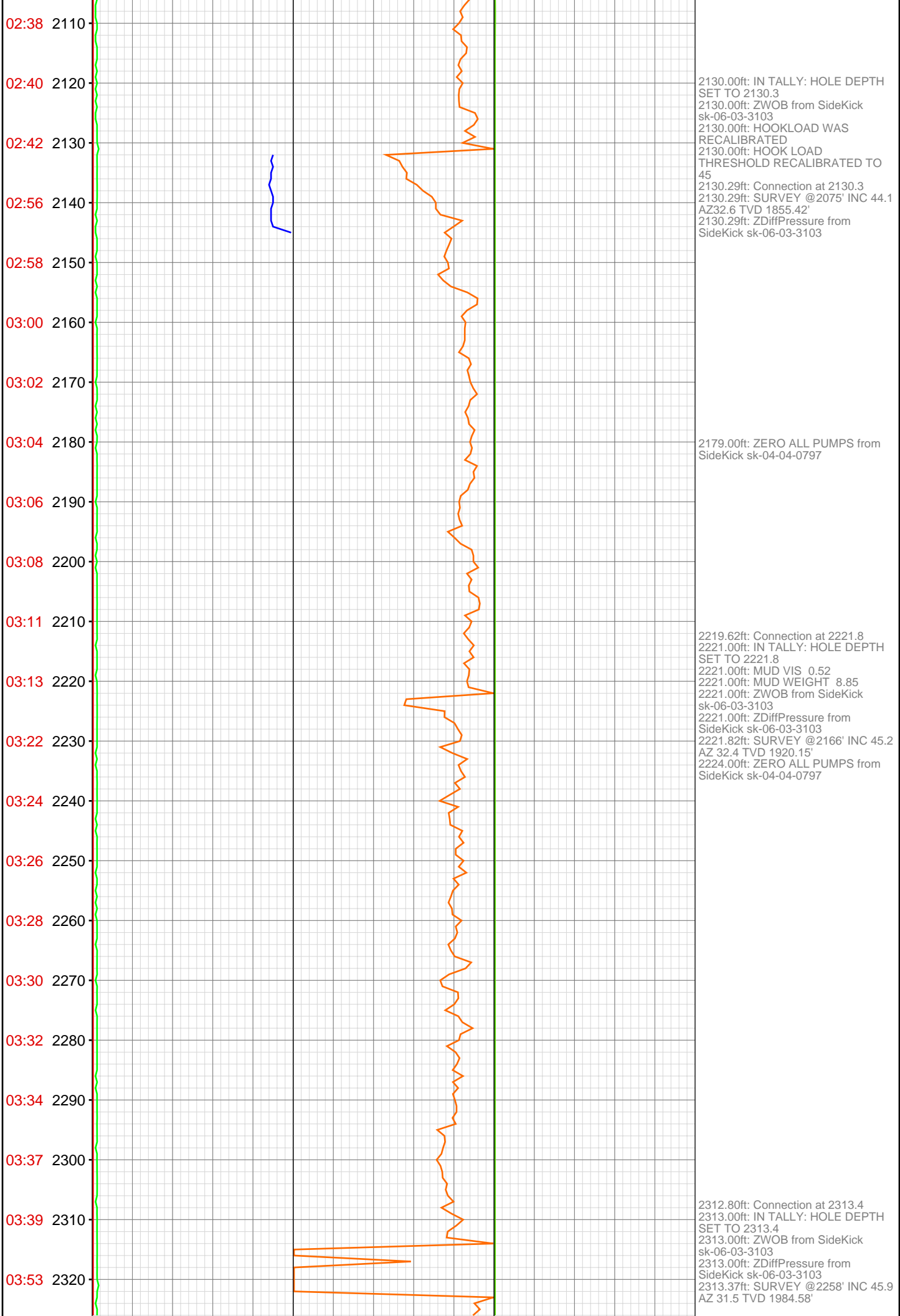
Mon Sep 19, 2011 08:51:31
Well Dossier 1315498469
Marilyn Tucker

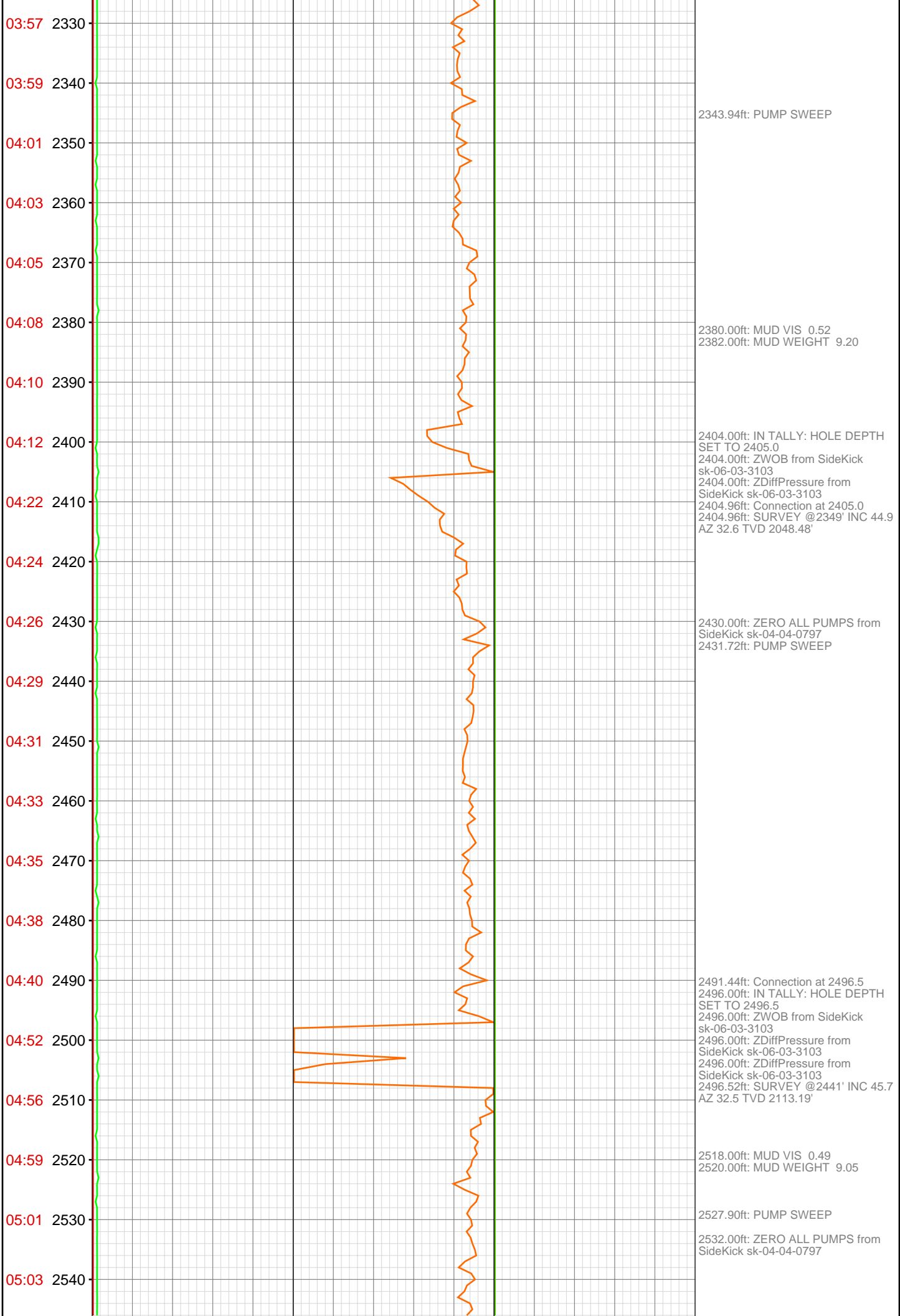
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: NPWF 13C-24 H26 596
FIELD:
LOCATION: QTRQTR:sene sec:96w meridian:6 twp:5S r1g
COUNTRY: USA
RIG: Pat-UTI 303

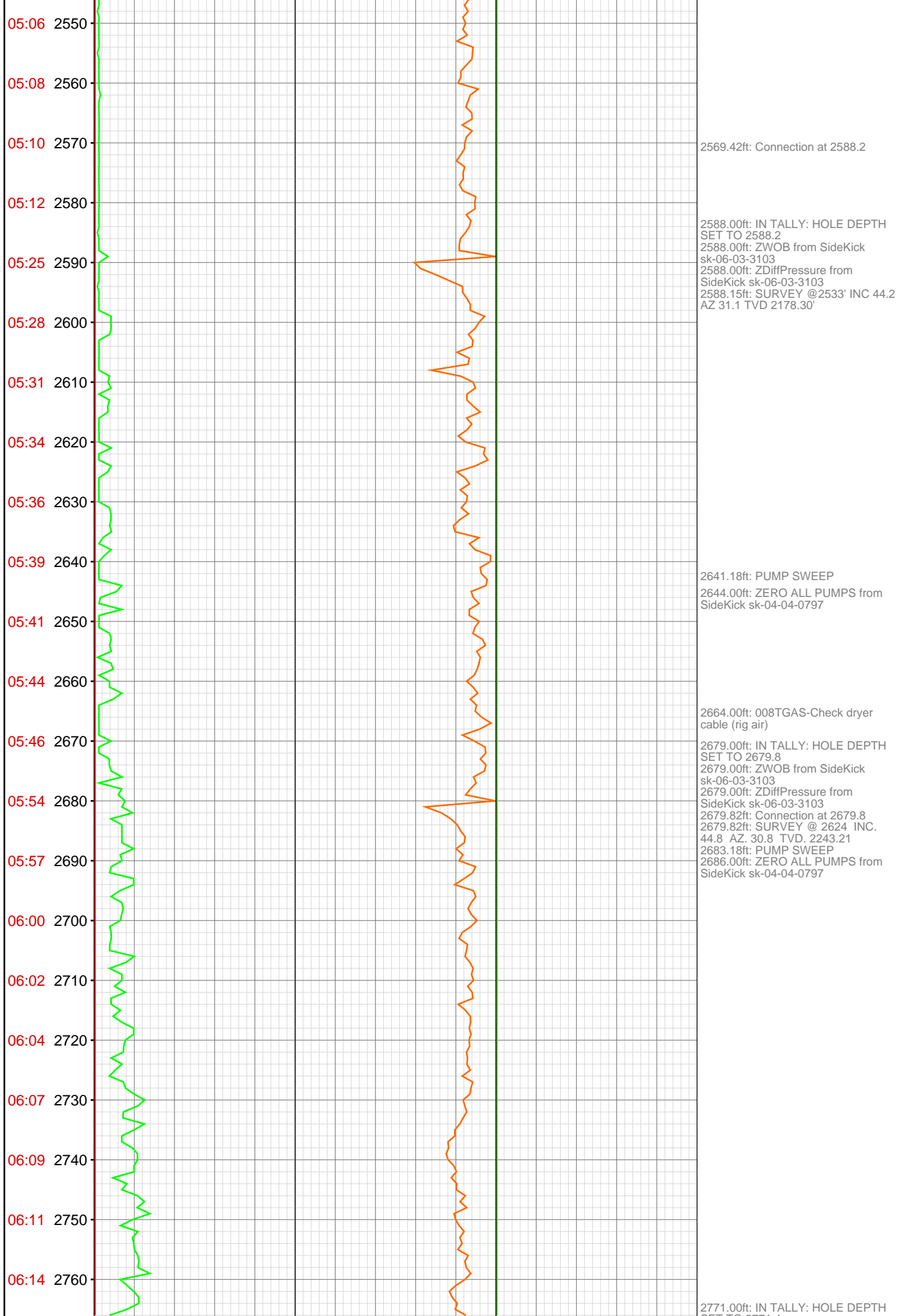
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05 045 19035 00
SPUD DATE: Sep 09, 2011 00:00
RELEASE DATE: Sep 15, 2011 16:00

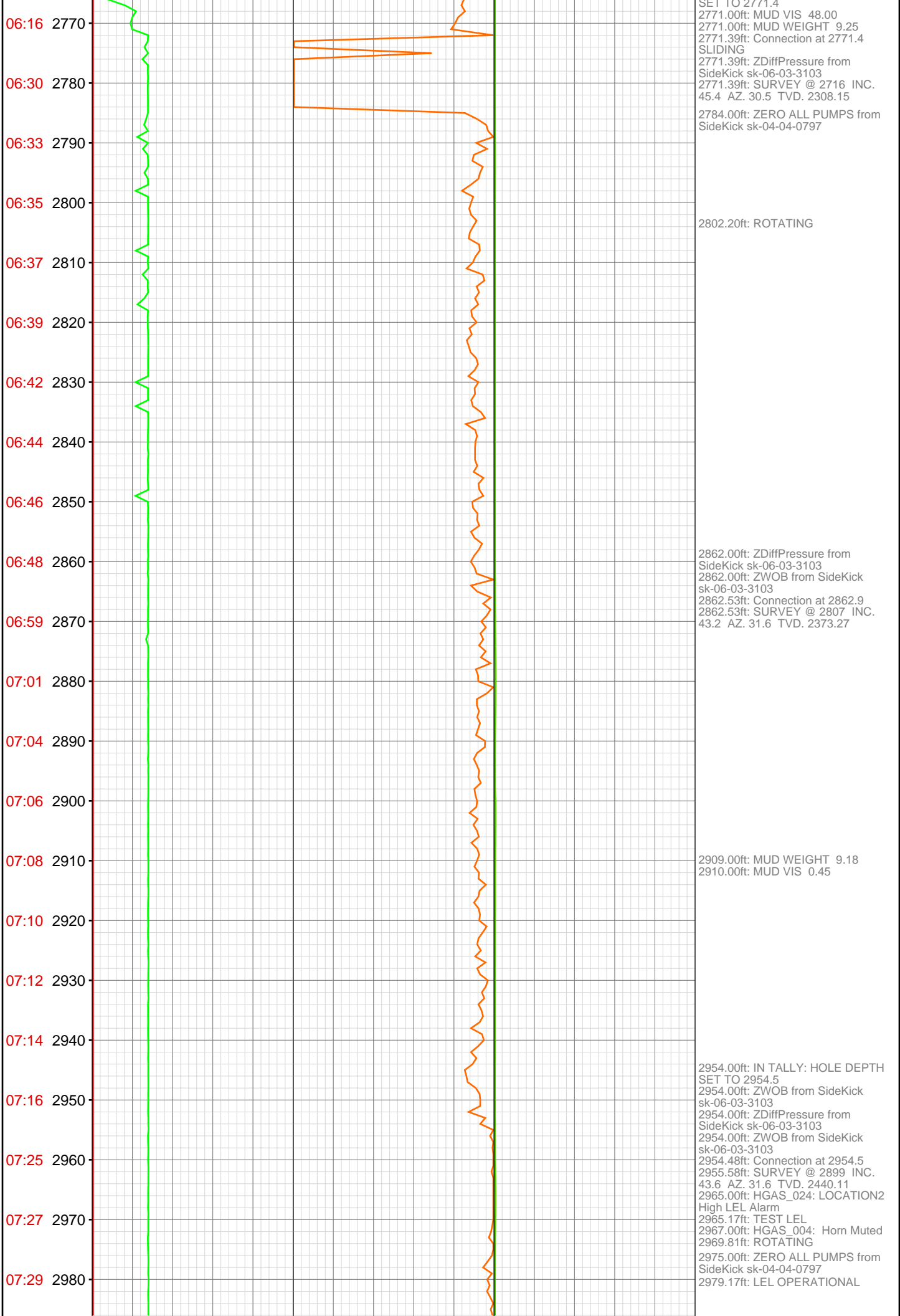




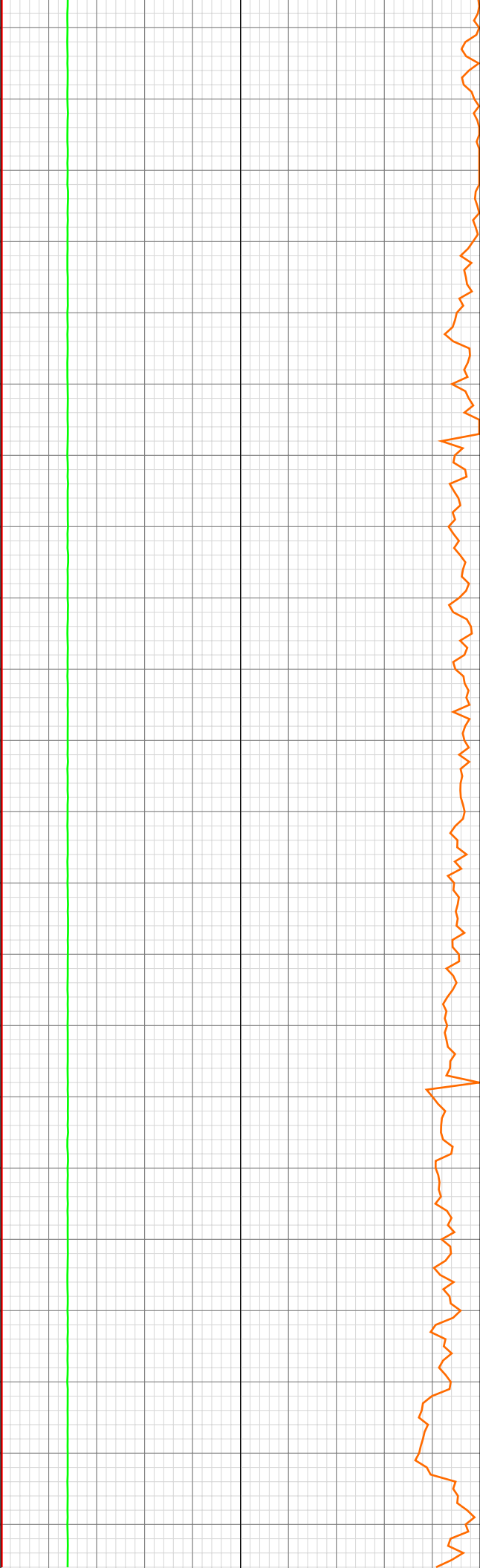








07:31 2990
07:33 3000
07:35 3010
07:37 3020
07:39 3030
07:41 3040
07:52 3050
07:55 3060
07:57 3070
07:59 3080
08:01 3090
08:03 3100
08:06 3110
08:08 3120
08:10 3130
08:20 3140
08:23 3150
08:25 3160
08:27 3170
08:30 3180
08:32 3190
08:35 3200

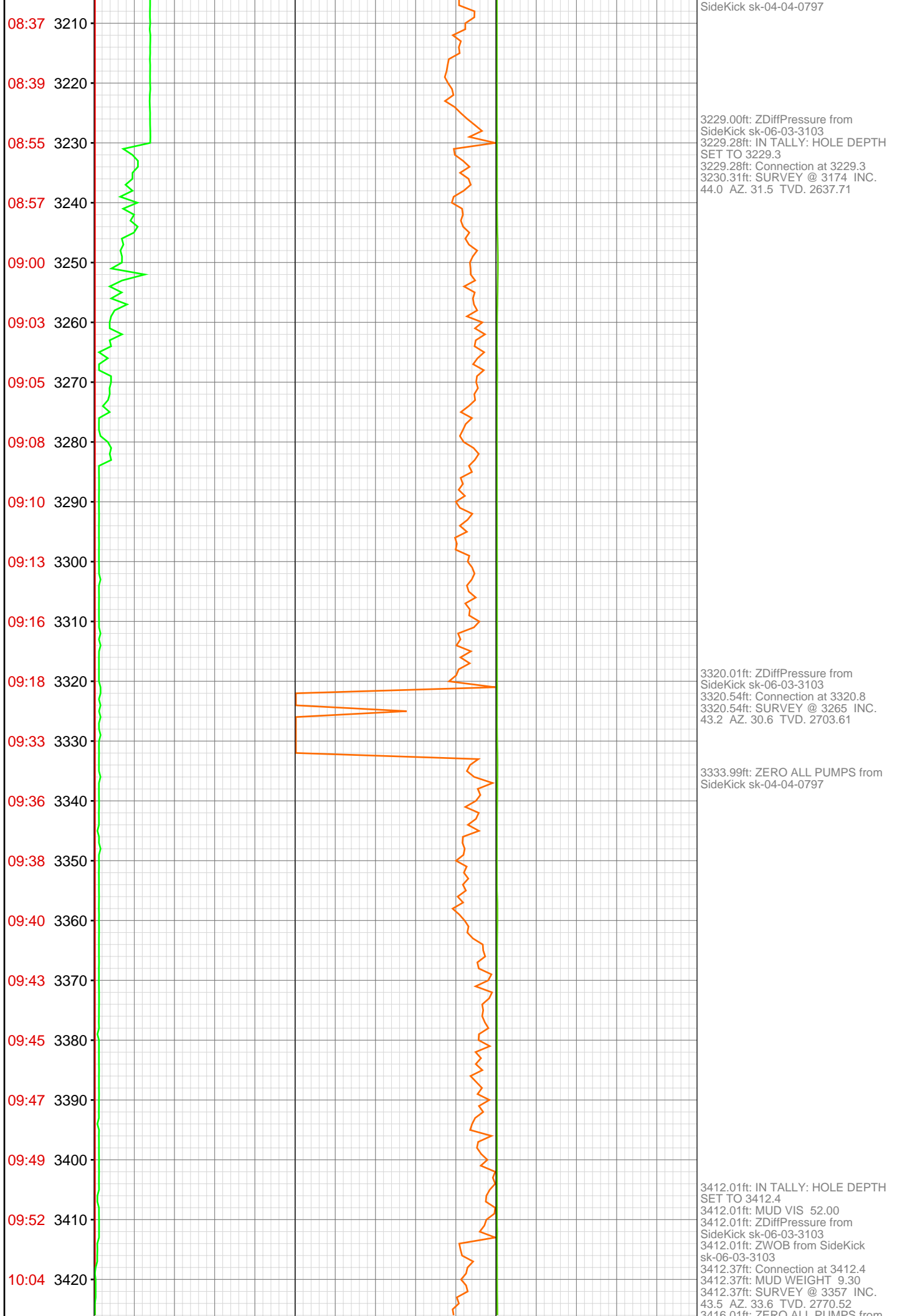


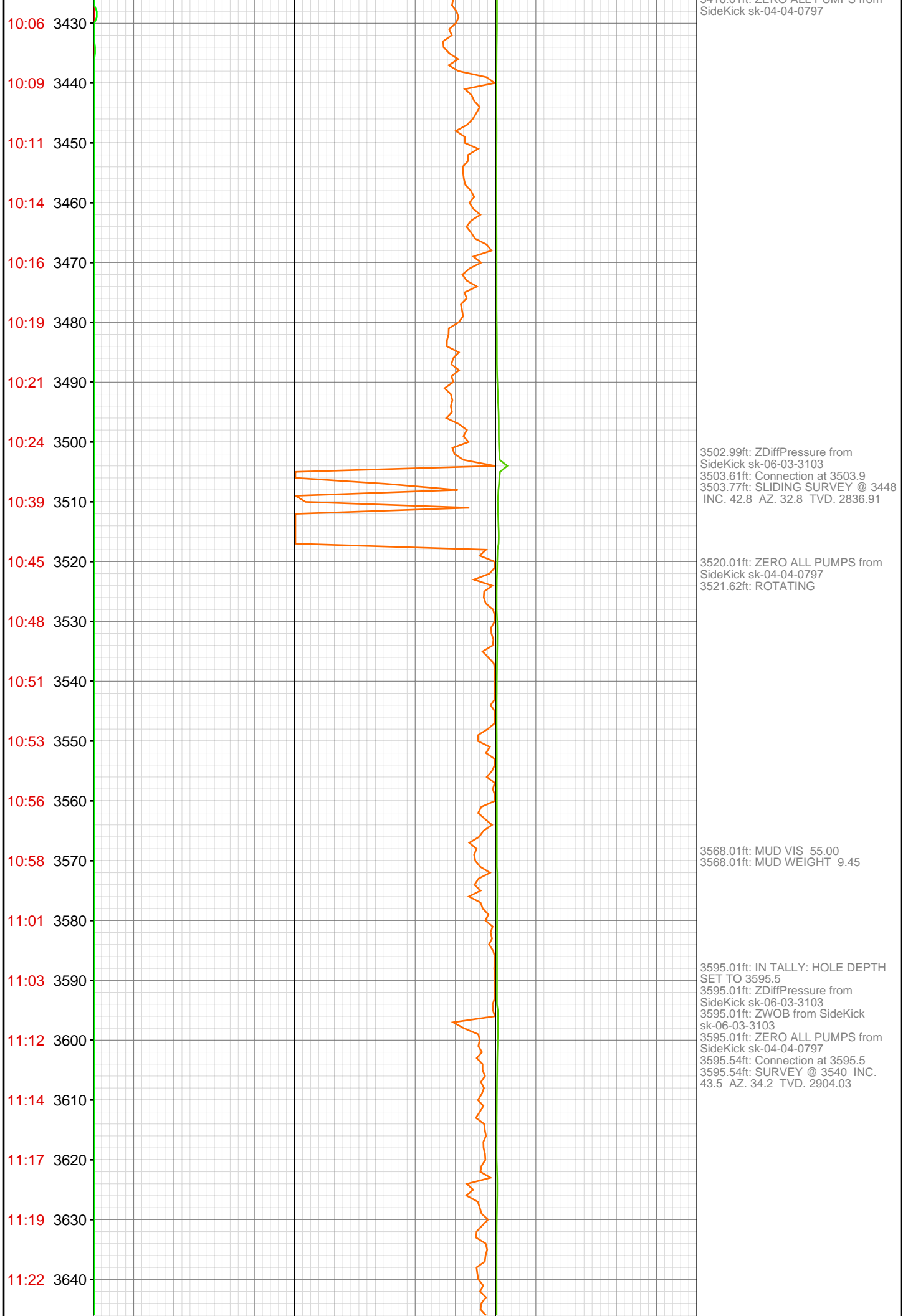
3046.00ft: IN TALLY: HOLE DEPTH
SET TO 3046.0
3046.00ft: ZWOB from SideKick
sk-06-03-3103
3046.00ft: ZWOB from SideKick
sk-06-03-3103
3046.00ft: ZDiffPressure from
SideKick sk-06-03-3103
3046.03ft: Connection at 3046.0
3047.28ft: SURVEY @ 2991 INC.
44.1 AZ. 32.0 TVD. 2506.46

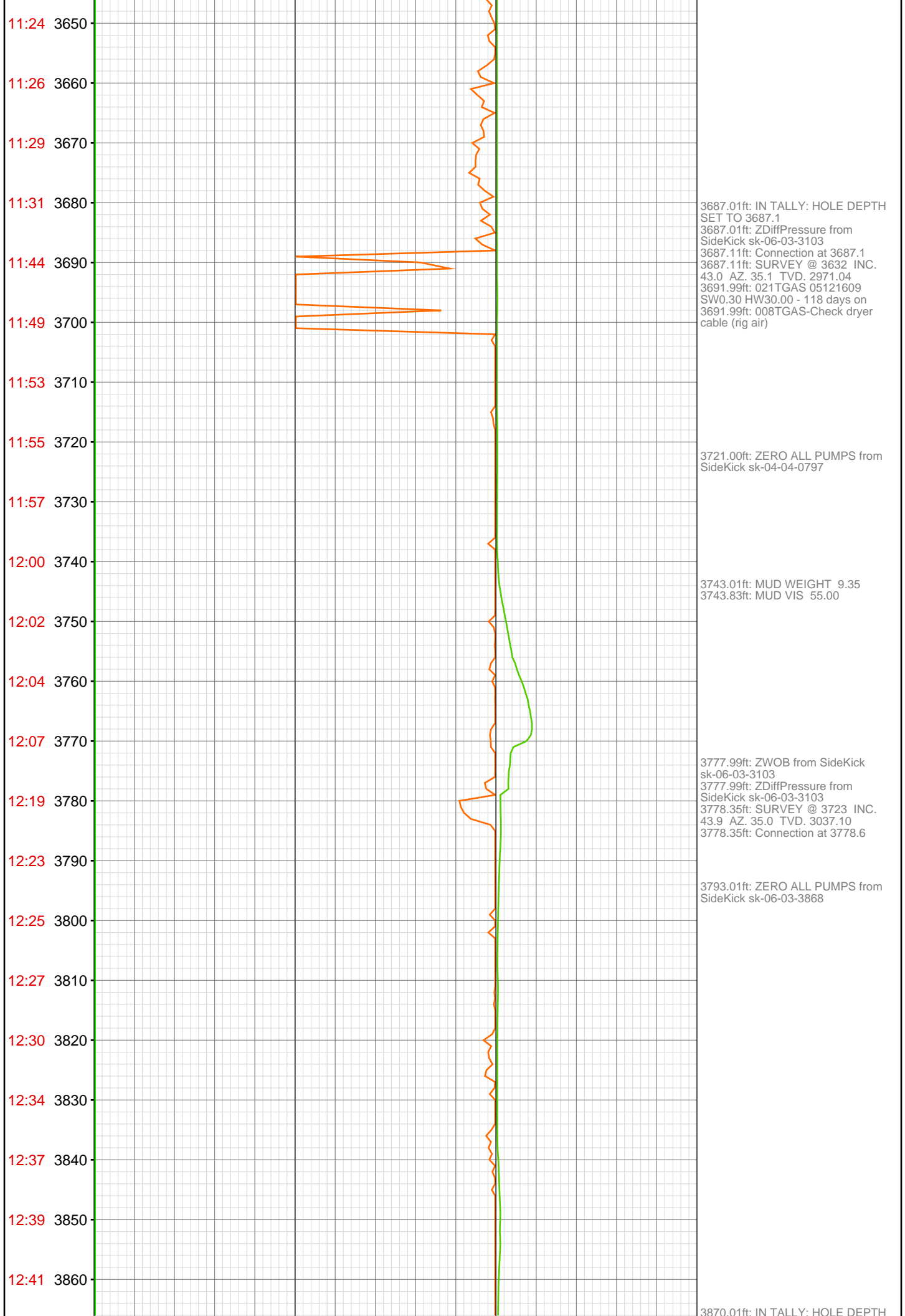
3097.00ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

3132.00ft: MUD VIS 49.00
3133.09ft: MUD WEIGHT 9.30
3137.00ft: ZWOB from SideKick
sk-06-03-3103
3137.39ft: Connection at 3137.6
3137.39ft: ZDiffPressure from
SideKick sk-06-03-3103
3137.39ft: SURVEY @ 3082 INC.
44.3 AZ. 31.4 TVD. 2571.70

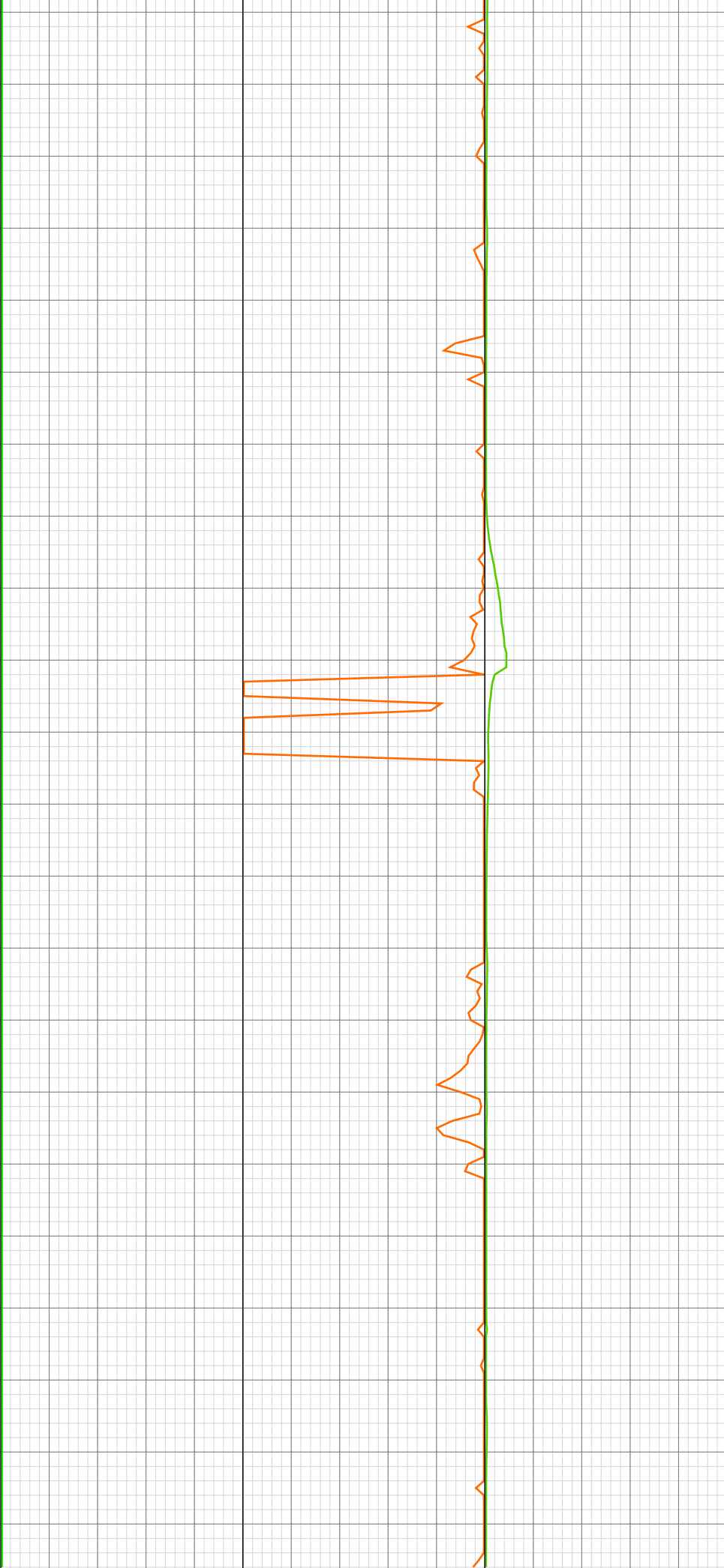
3204.00ft: ZERO ALL PUMPS from







12:44 3870
12:53 3880
12:56 3890
12:58 3900
13:01 3910
13:05 3920
13:07 3930
13:10 3940
13:12 3950
13:14 3960
13:28 3970
13:31 3980
13:34 3990
13:36 4000
13:39 4010
13:43 4020
13:48 4030
13:51 4040
13:53 4050
14:03 4060
14:05 4070
14:07 4080



SET TO 3870.2
3870.01ft: ZDiffPressure from
SideKick sk-06-03-3103
3870.01ft: ZWOB from SideKick
sk-06-03-3103
3870.21ft: Connection at 3870.2

3885.83ft: SURVEY @ 3815 INC.
44.9 AZ. 33.9 TVD. 3102.84

3891.99ft: MUD VIS 52.00
3893.01ft: MUD WEIGHT 9.25

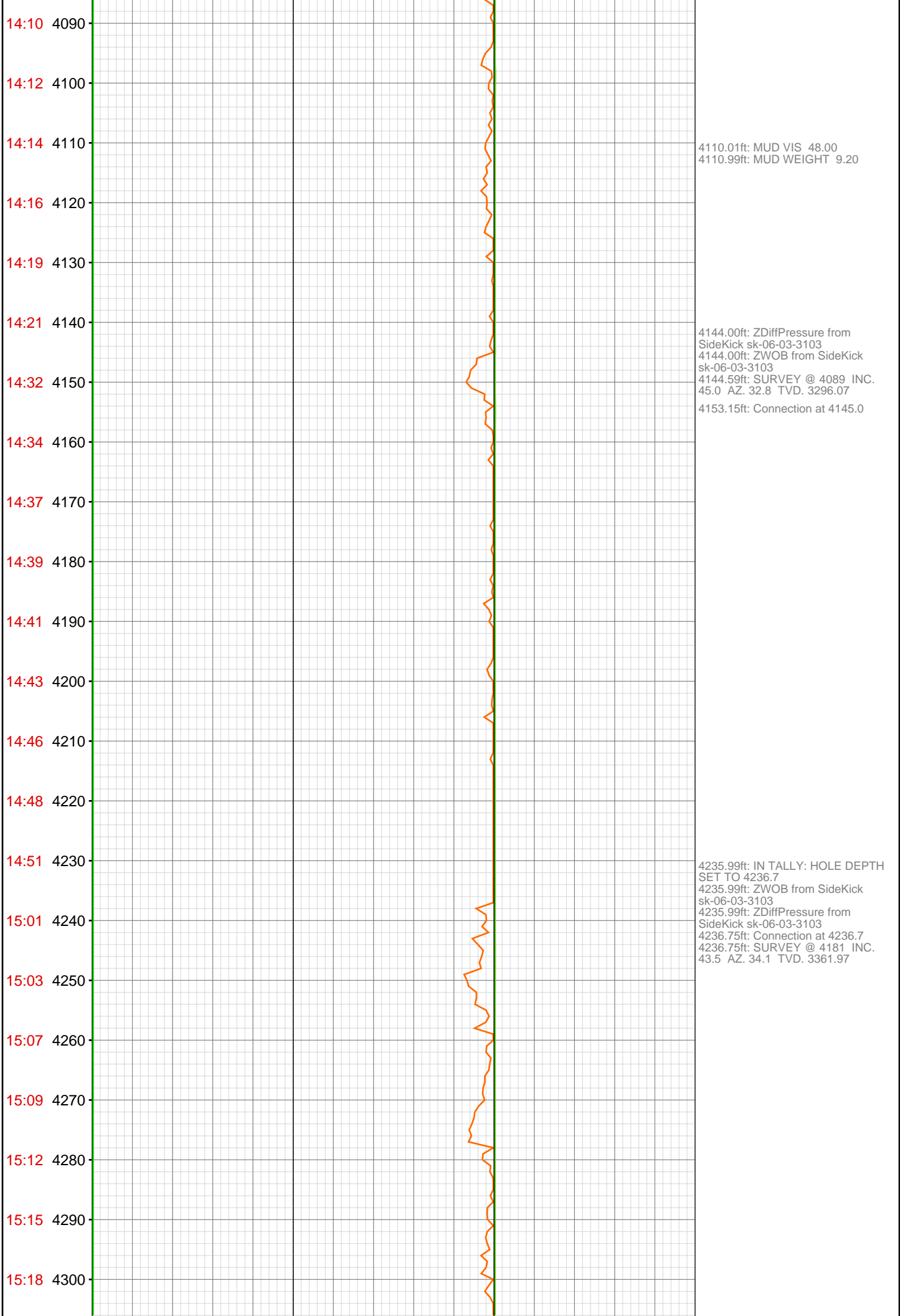
3899.02ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

3960.99ft: ZDiffPressure from
SideKick sk-06-03-3103
3961.35ft: Connection at 3961.7
3963.45ft: SURVEY @ 3906 INC.
46.1 AZ. 33.3 TVD. 3166.62

3993.01ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

4052.99ft: IN TALLY: HOLE DEPTH
SET TO 4053.3
4052.99ft: ZDiffPressure from
SideKick sk-06-03-3103
4052.99ft: ZWOB from SideKick
sk-06-03-3103
4053.31ft: Connection at 4053.3
4053.31ft: SURVEY @ 3998 INC.
44.4 AZ. 33.7 TVD. 3231.38

4073.00ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797





17:03 4530
17:06 4540
17:09 4550
17:11 4560
17:14 4570
17:19 4580
17:21 4590
17:24 4600
17:38 4610
17:42 4620
17:45 4630
17:49 4640
17:51 4650
17:56 4660
18:00 4670
18:06 4680
18:10 4690
18:24 4700
18:29 4710
18:32 4720
18:35 4730
18:38 4740

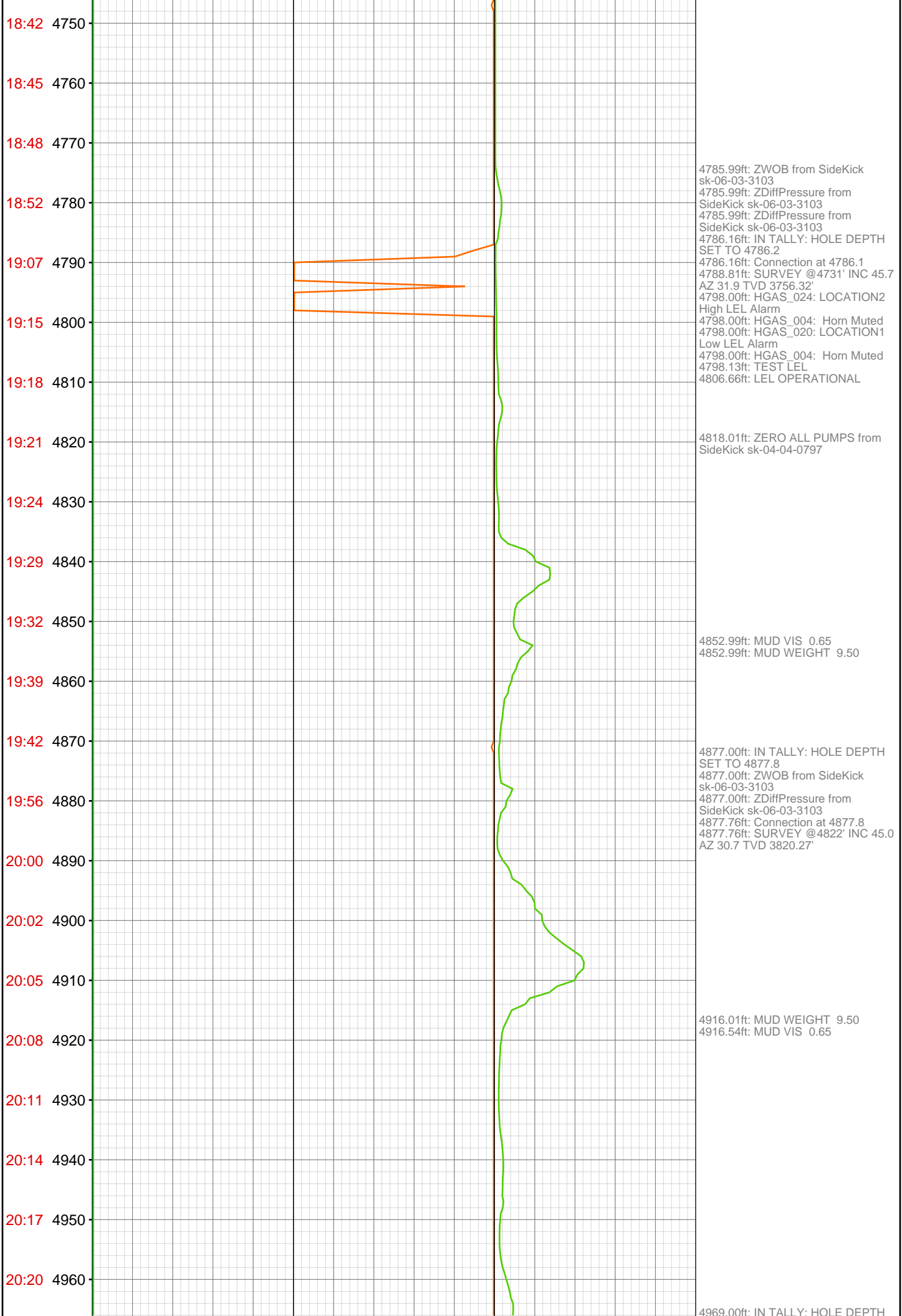
4539.01ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

4602.99ft: IN TALLY: HOLE DEPTH
SET TO 4603.1
4602.99ft: ZWOB from SideKick
sk-06-03-3103
4602.99ft: ZDiffPressure from
SideKick sk-06-03-3103
4603.12ft: Connection at 4603.1
4603.87ft: SURVEY @ 4548 INC,
44.6 Az. 33.2 tvd. 3627.89

4627.00ft: 008TGAS-Check dryer
cable (rig air)

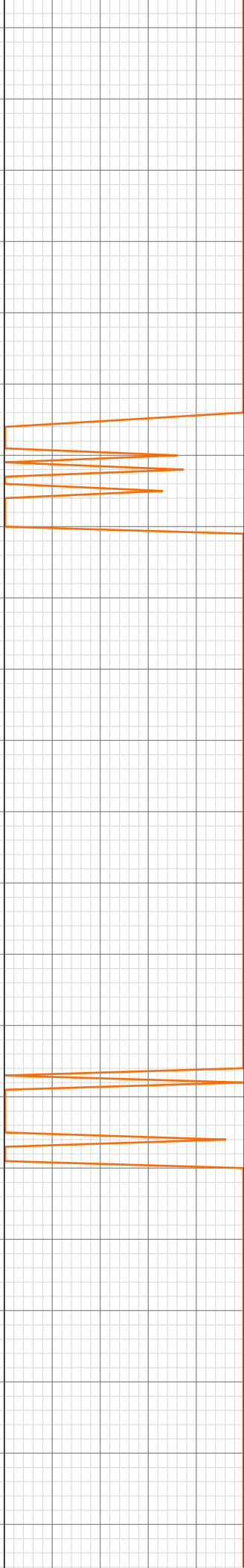
4641.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

4694.00ft: IN TALLY: HOLE DEPTH
SET TO 4694.7
4694.00ft: MUD VIS 0.72
4694.00ft: MUD WEIGHT 9.50
4694.00ft: ZWOB from SideKick
sk-06-03-3103
4694.00ft: ZDiffPressure from
SideKick sk-06-03-3103
4694.69ft: Connection at 4694.7
4694.69ft: C.O.M. &DBS
4694.69ft: SURVEY @4639' INC 45.7
AZ 33.0 TVD 3692.06'





22:11 5190
22:14 5200
22:17 5210
22:20 5220
22:23 5230
22:26 5240
22:39 5250
22:46 5260
22:49 5270
22:52 5280
22:54 5290
22:57 5300
22:59 5310
23:02 5320
23:04 5330
23:16 5340
23:22 5350
23:27 5360
23:29 5370
23:32 5380
23:34 5390
23:38 5400



5243.01ft: IN TALLY: HOLE DEPTH
SET TO 5243.8
5243.01ft: ZWOB from SideKick
sk-06-03-3103
5243.01ft: ZDiffPressure from
SideKick sk-06-03-3103
5243.80ft: Connection at 5243.8
5243.80ft: SURVEY @5188' INC 38.7
AZ 28.3 TVD 4088.94'

5265.78ft: PUMP SWEEP
5266.67ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

5331.00ft: MUD VIS 0.54
5331.00ft: MUD WEIGHT 9.55
5335.01ft: IN TALLY: HOLE DEPTH
SET TO 5335.3
5335.01ft: ZWOB from SideKick
sk-06-03-3103
5335.27ft: Connection at 5335.3
5335.27ft: ZDiffPressure from
SideKick sk-06-03-3103
5341.44ft: SURVEY @5280' INC 35.0
AZ 30.8 TVD 4162.55'

5354.99ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
5355.15ft: PUMP SWEEP

23:41 5410

23:43 5420

23:56 5430

Sep 10, 2011
00:01 5440

00:04 5450

00:06 5460

00:08 5470

00:11 5480

00:14 5490

00:16 5500

00:19 5510

00:37 5520

00:43 5530

00:45 5540

00:47 5550

00:50 5560

00:52 5570

00:54 5580

00:57 5590

00:59 5600

01:01 5610

01:16 5620

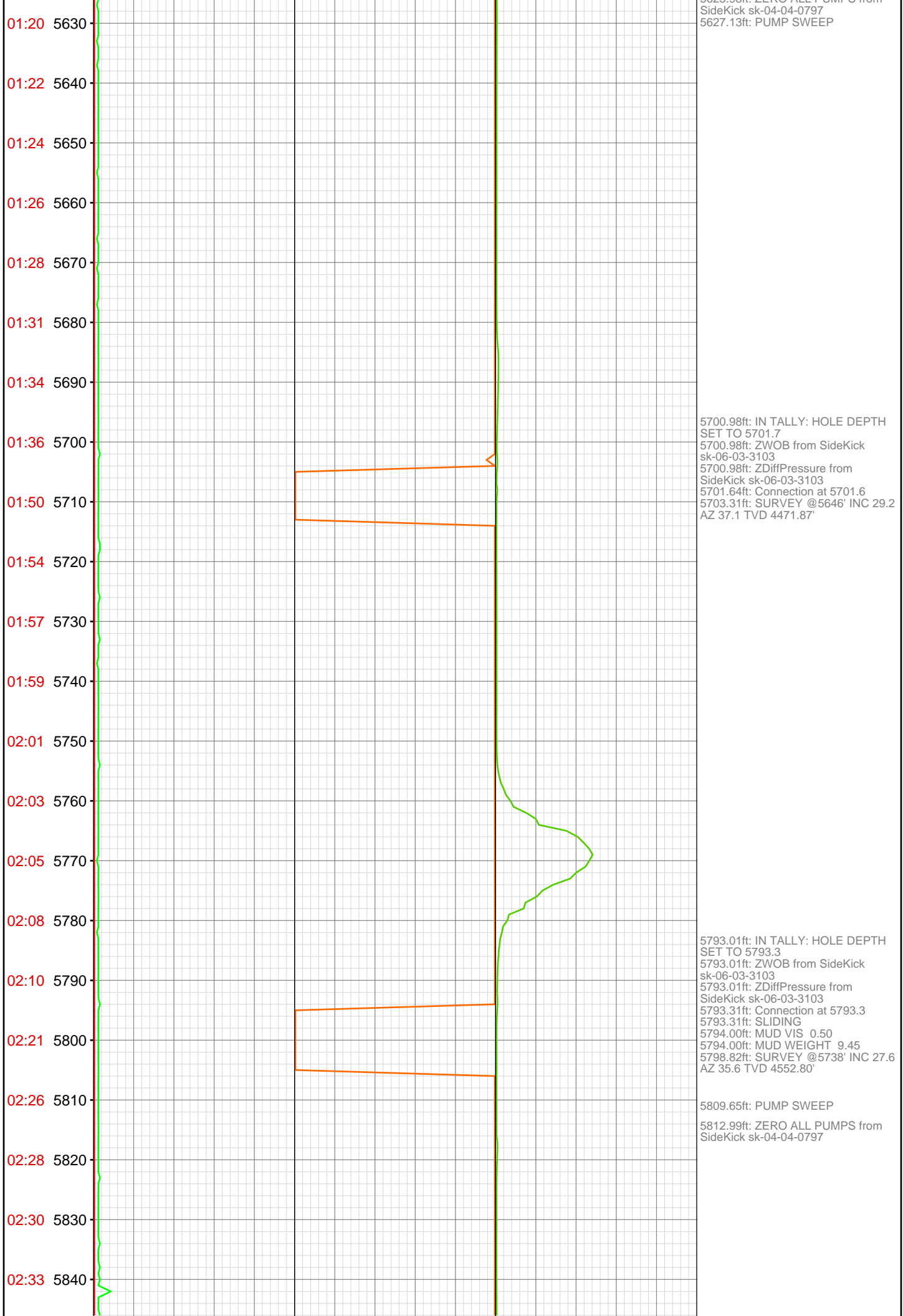
5423.00ft: 008TGAS-Check dryer
cable (rig air)
5425.98ft: IN TALLY: HOLE DEPTH
SET TO 5426.7
5425.98ft: ZWOB from SideKick
sk-06-03-3103
5425.98ft: ZDiffPressure from
SideKick sk-06-03-3103
5426.74ft: SURVEY @5371' INC 34.3
AZ 31.9 TVD 4237.41'
5426.74ft: IN TALLY: HOLE DEPTH
SET TO 5426.7

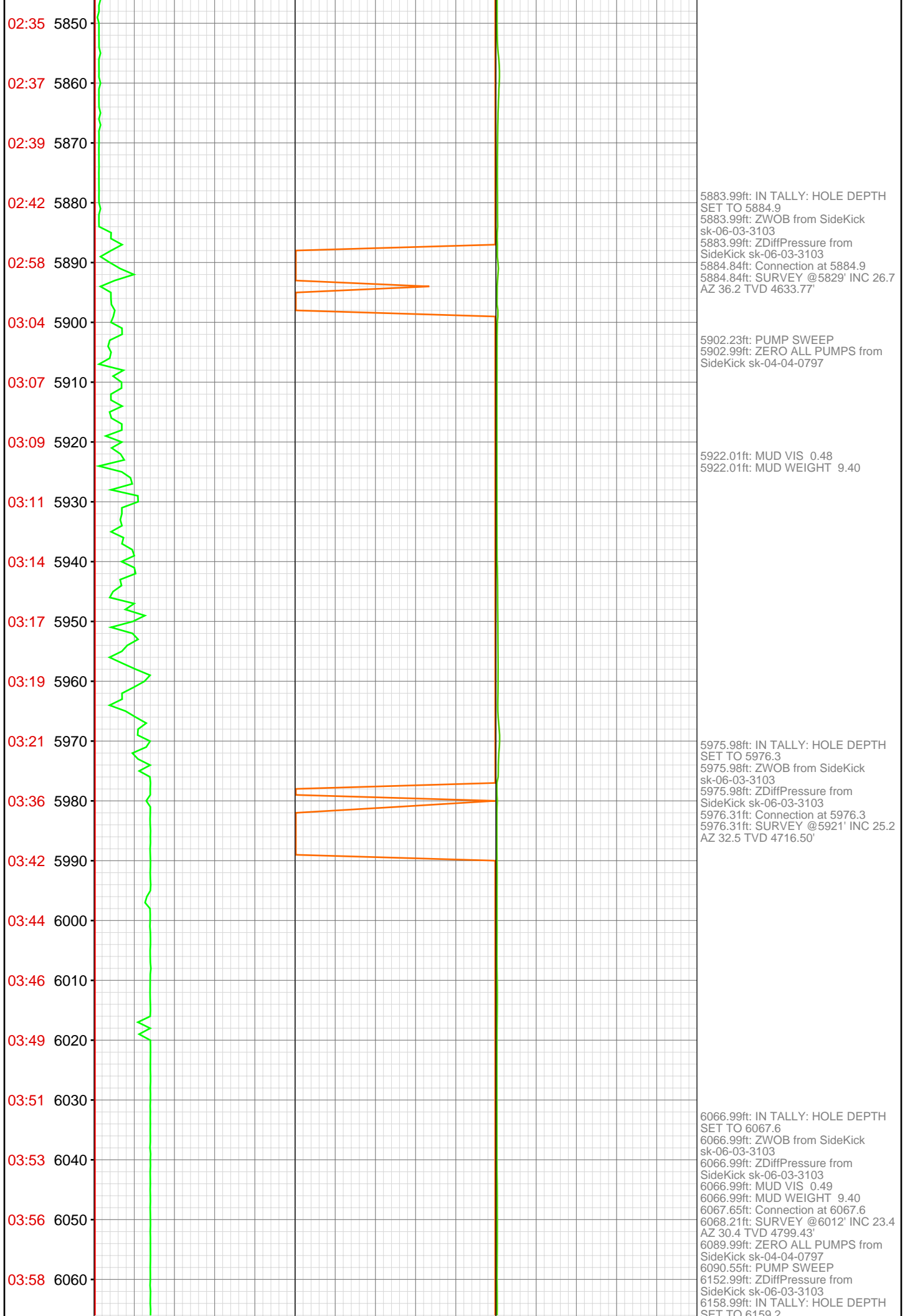
5518.01ft: IN TALLY: HOLE DEPTH
SET TO 5518.4
5518.01ft: ZDiffPressure from
SideKick sk-06-03-3103
5518.44ft: ZWOB from SideKick
sk-06-03-3103 Connection at 5518.4
BOP DRILL
5518.44ft: SURVEY @5463' INC 31.5
AZ 35.0 TVD 4314.66'

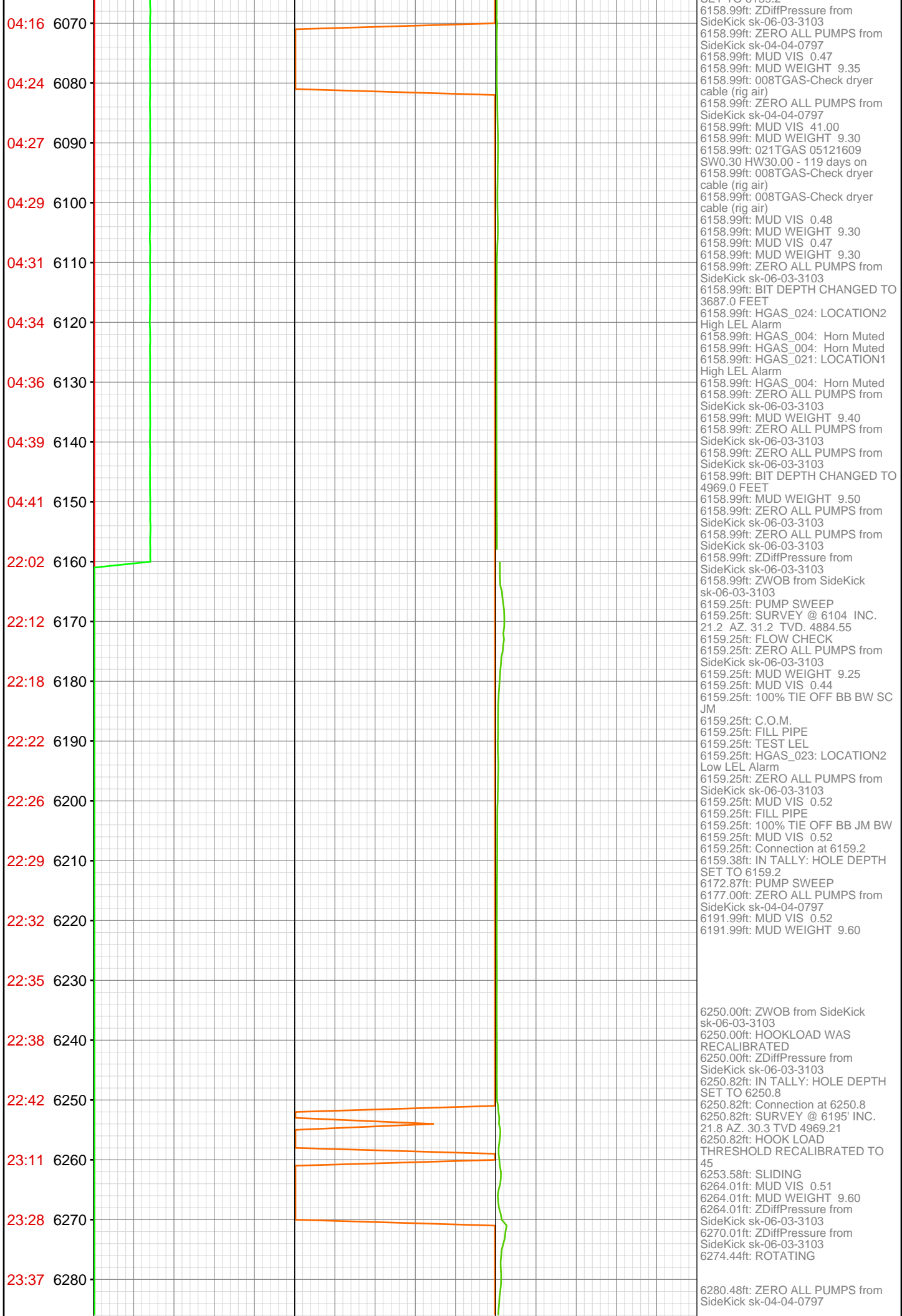
5566.99ft: MUD VIS 0.52
5566.99ft: MUD WEIGHT 9.50

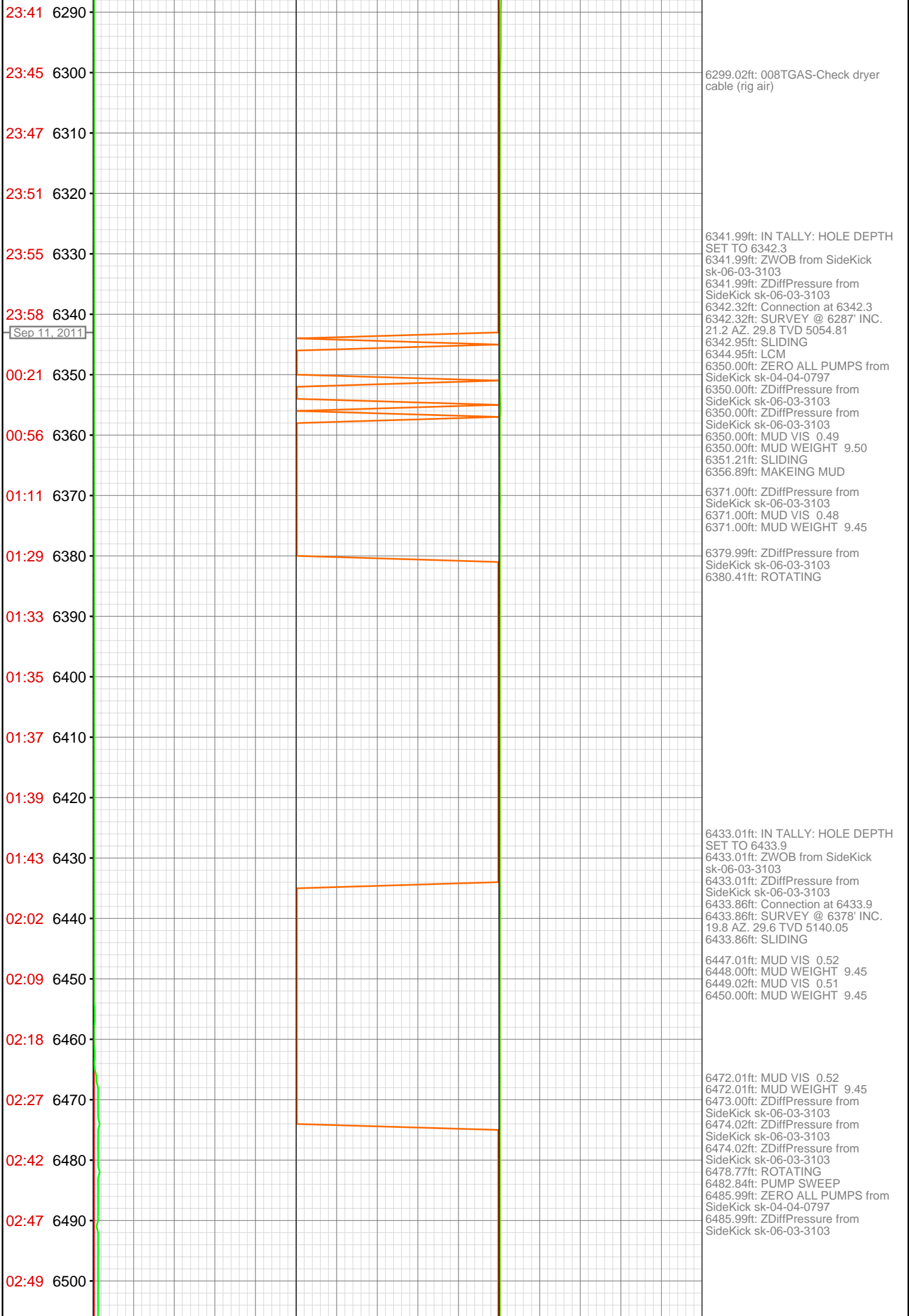
5610.01ft: IN TALLY: HOLE DEPTH
SET TO 5610.1
5610.01ft: ZWOB from SideKick
sk-06-03-3103
5610.01ft: ZDiffPressure from
SideKick sk-06-03-3103
5610.07ft: Connection at 5610.1
5611.06ft: SURVEY @5555' INC 31.2
AZ 35.4 TVD 4393.22'

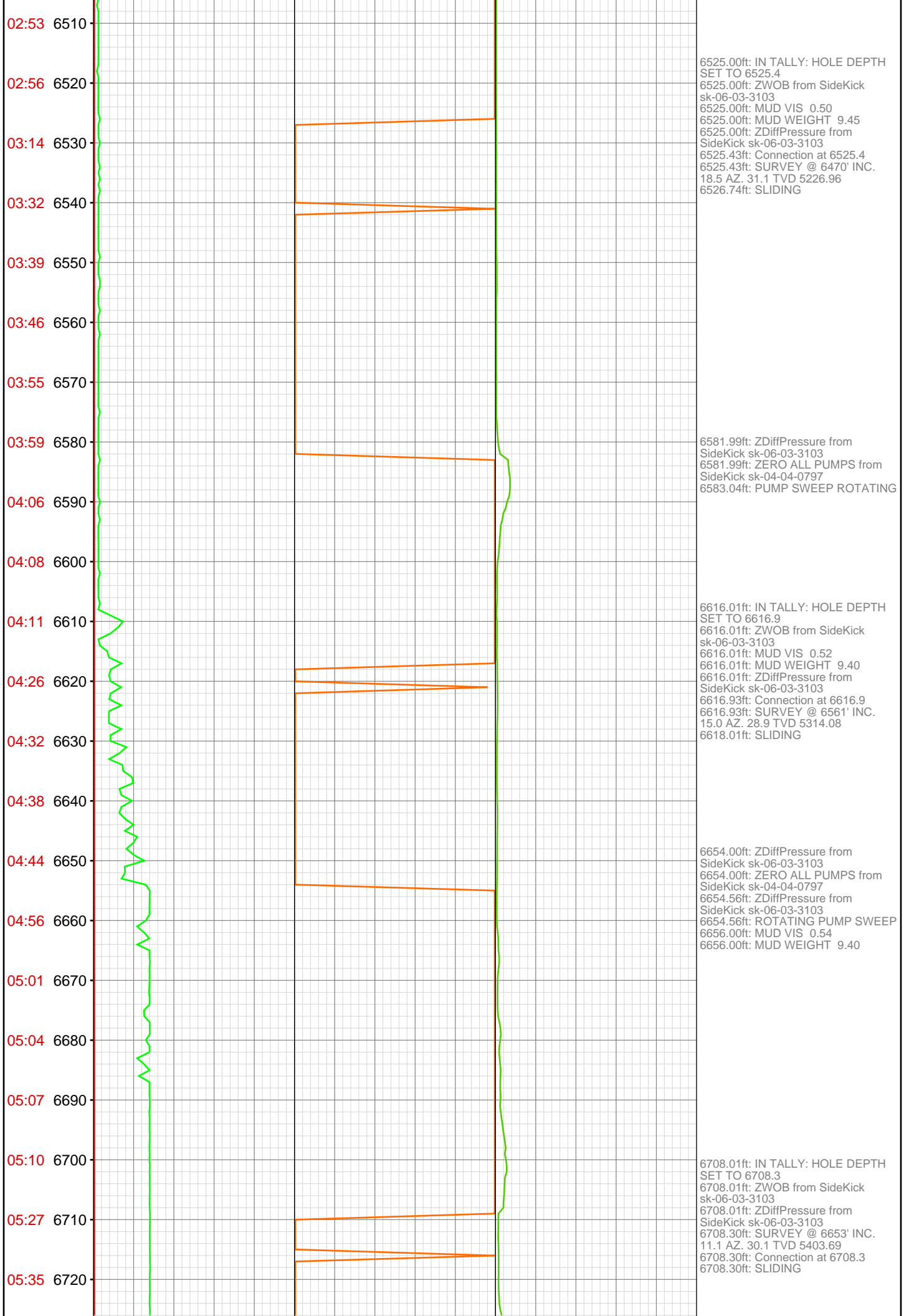
5625.98ft: ZERO ALL PUMPS from

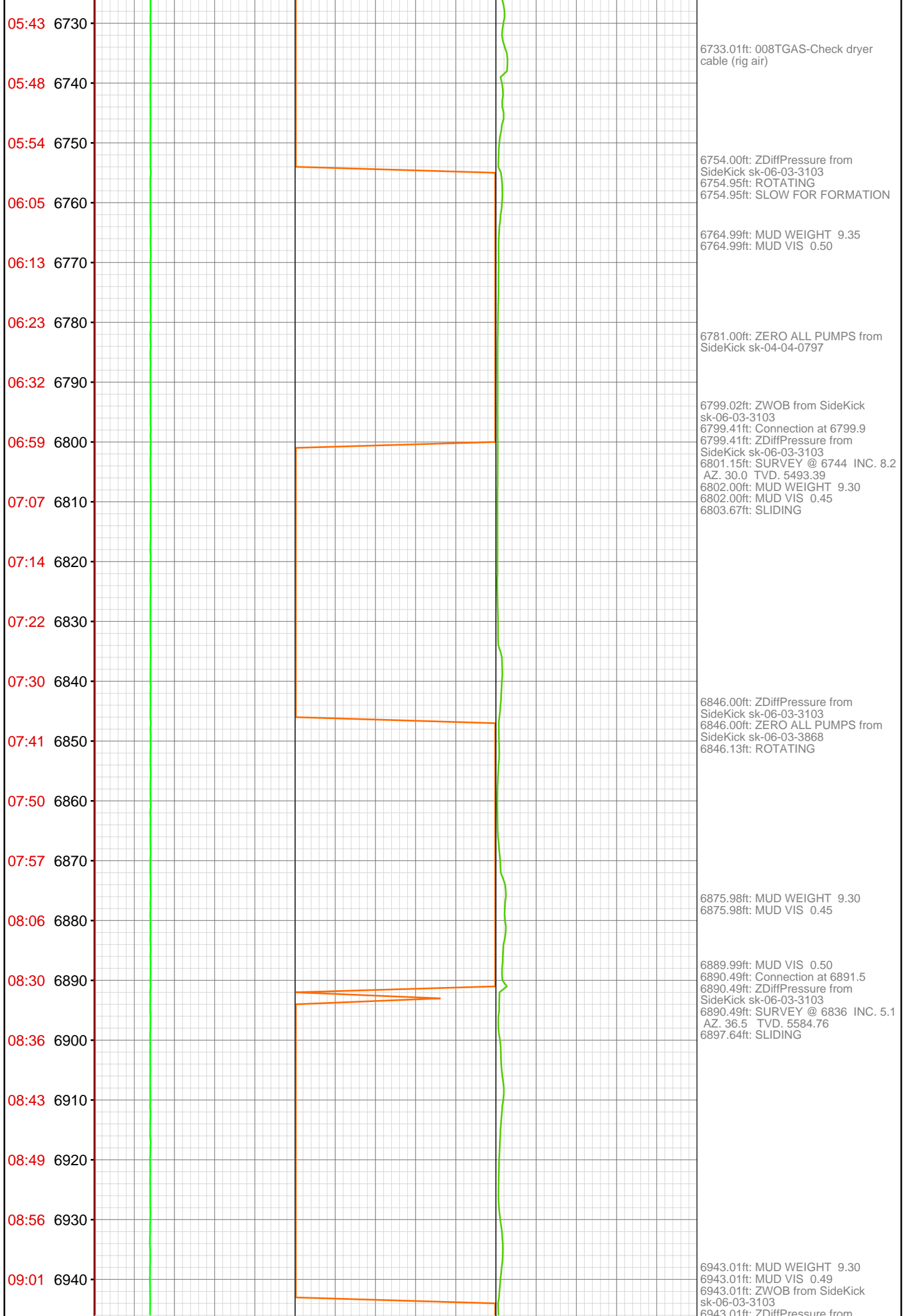


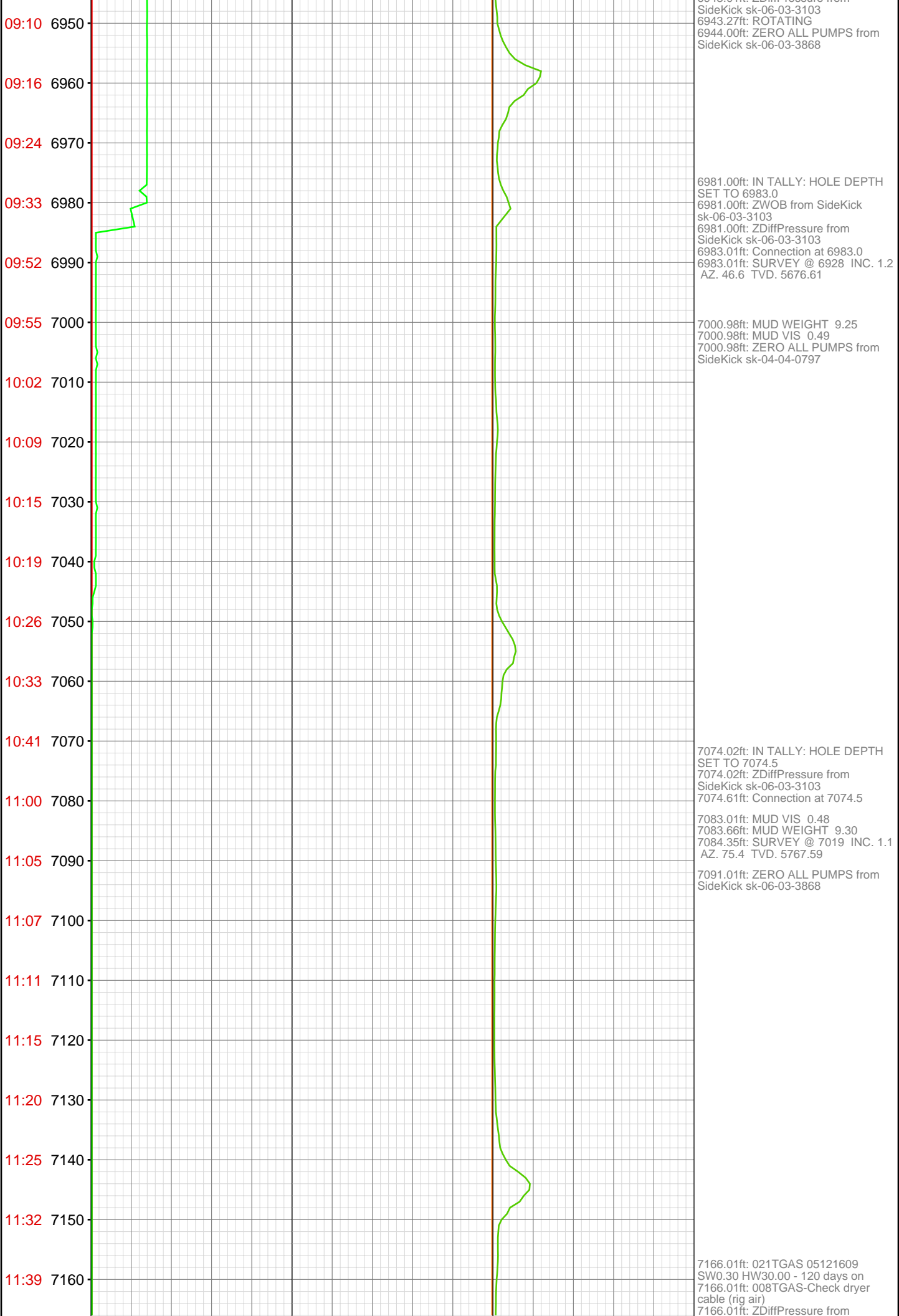


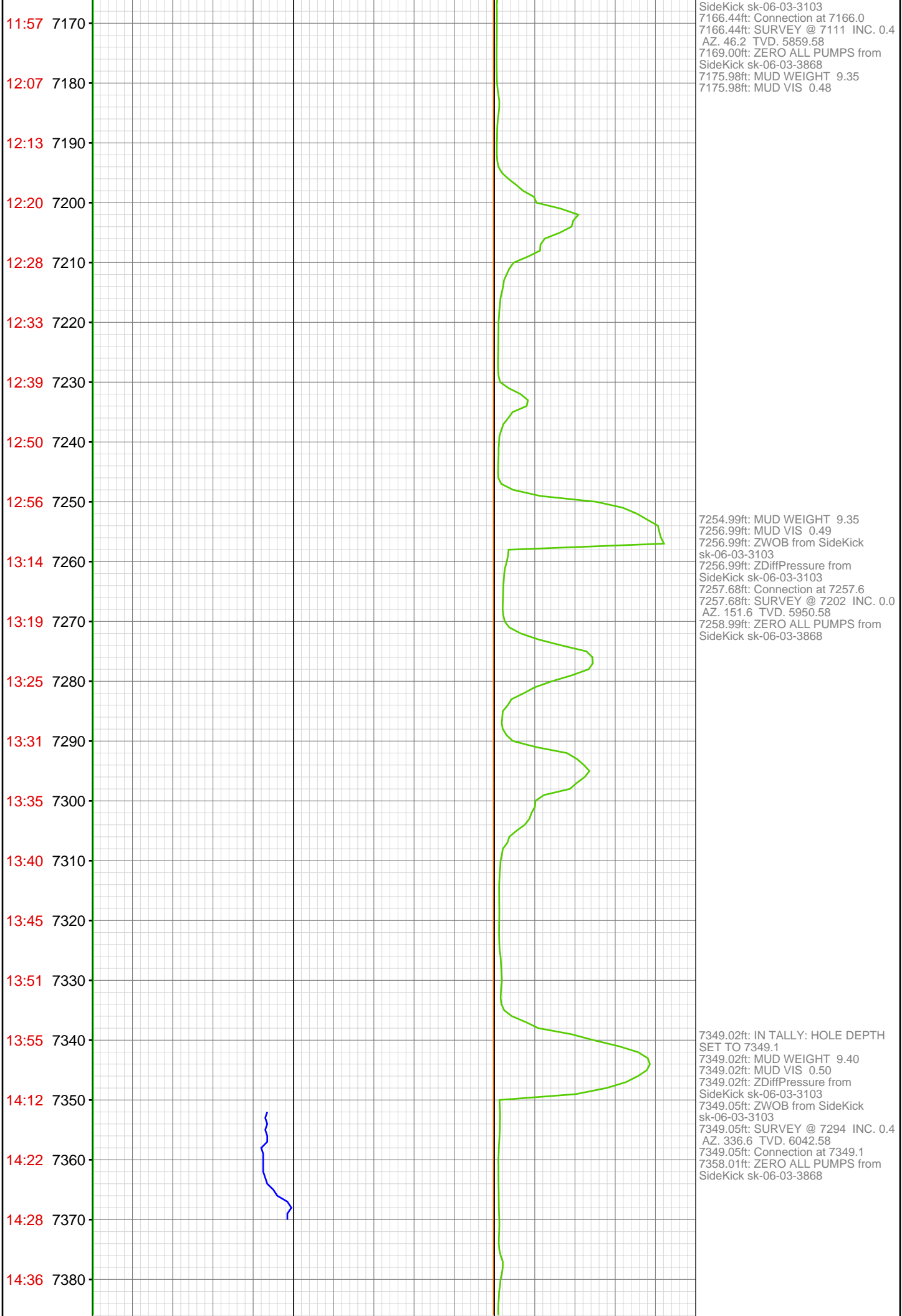












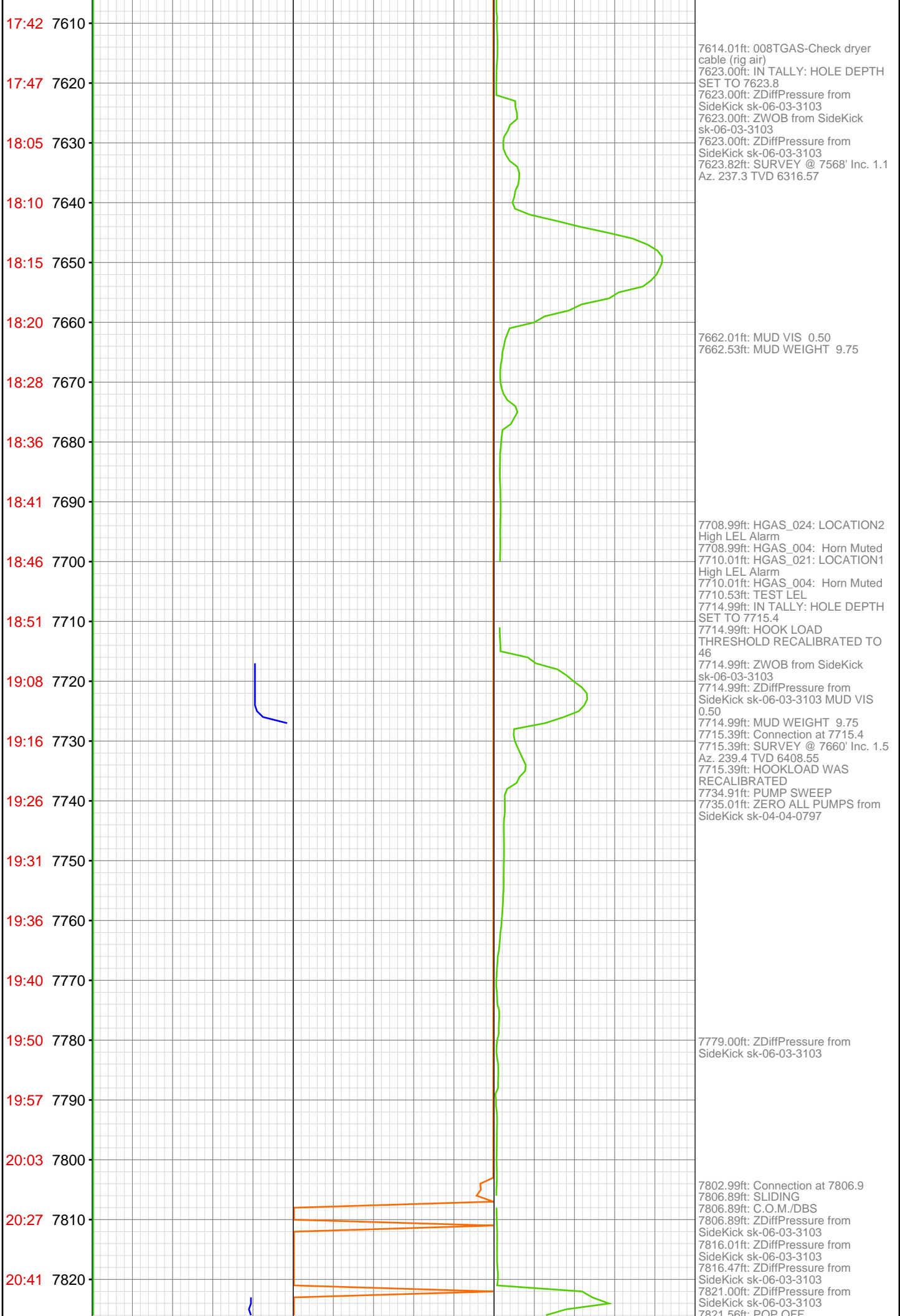
14:40 7390
14:48 7400
14:53 7410
14:57 7420
15:06 7430
15:23 7440
15:28 7450
15:32 7460
15:35 7470
15:40 7480
15:45 7490
15:50 7500
15:54 7510
15:58 7520
16:04 7530
16:54 7540
17:03 7550
17:11 7560
17:19 7570
17:24 7580
17:30 7590
17:35 7600

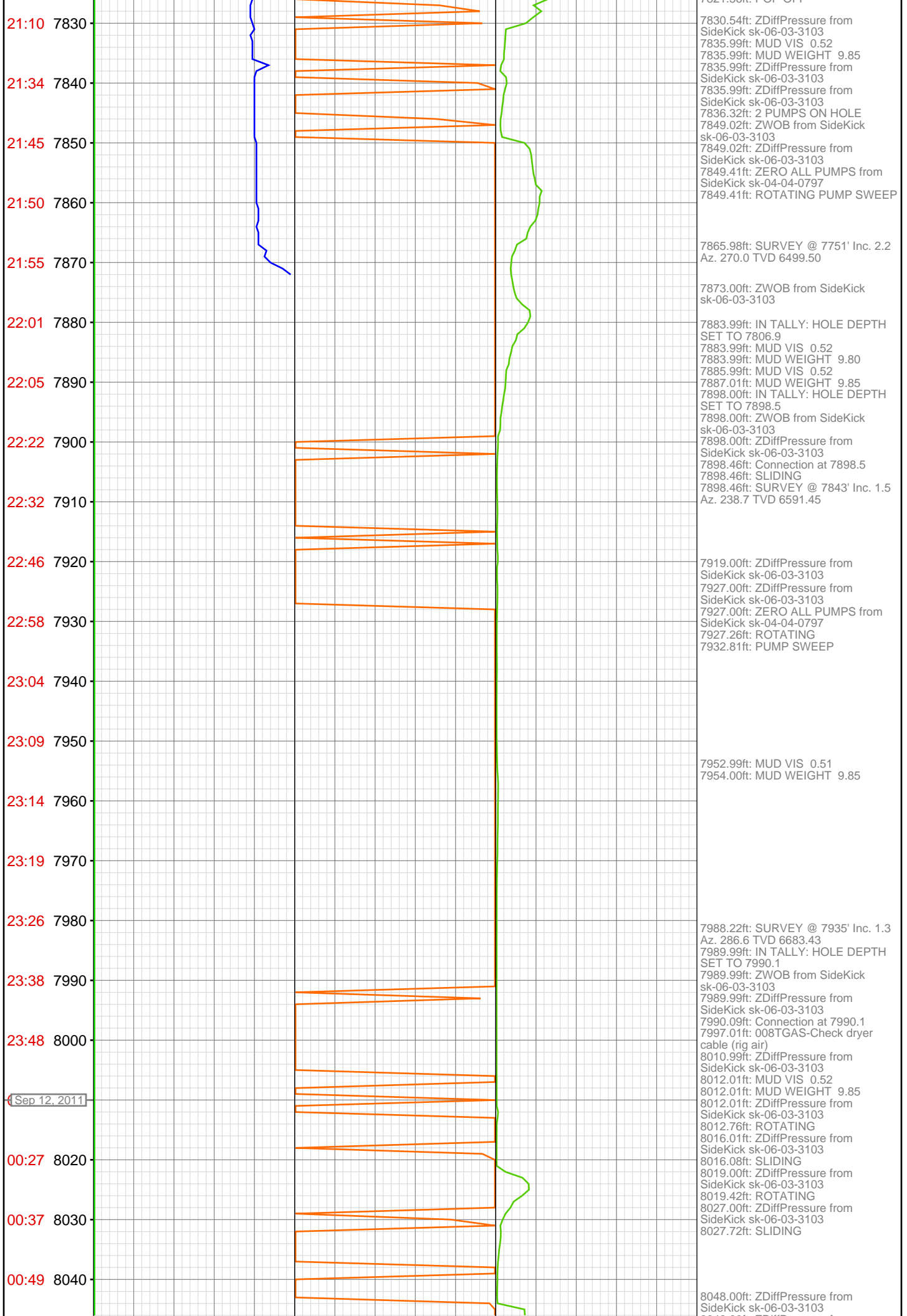
7423.00ft: MUD WEIGHT 9.40
7423.00ft: MUD VIS 0.50

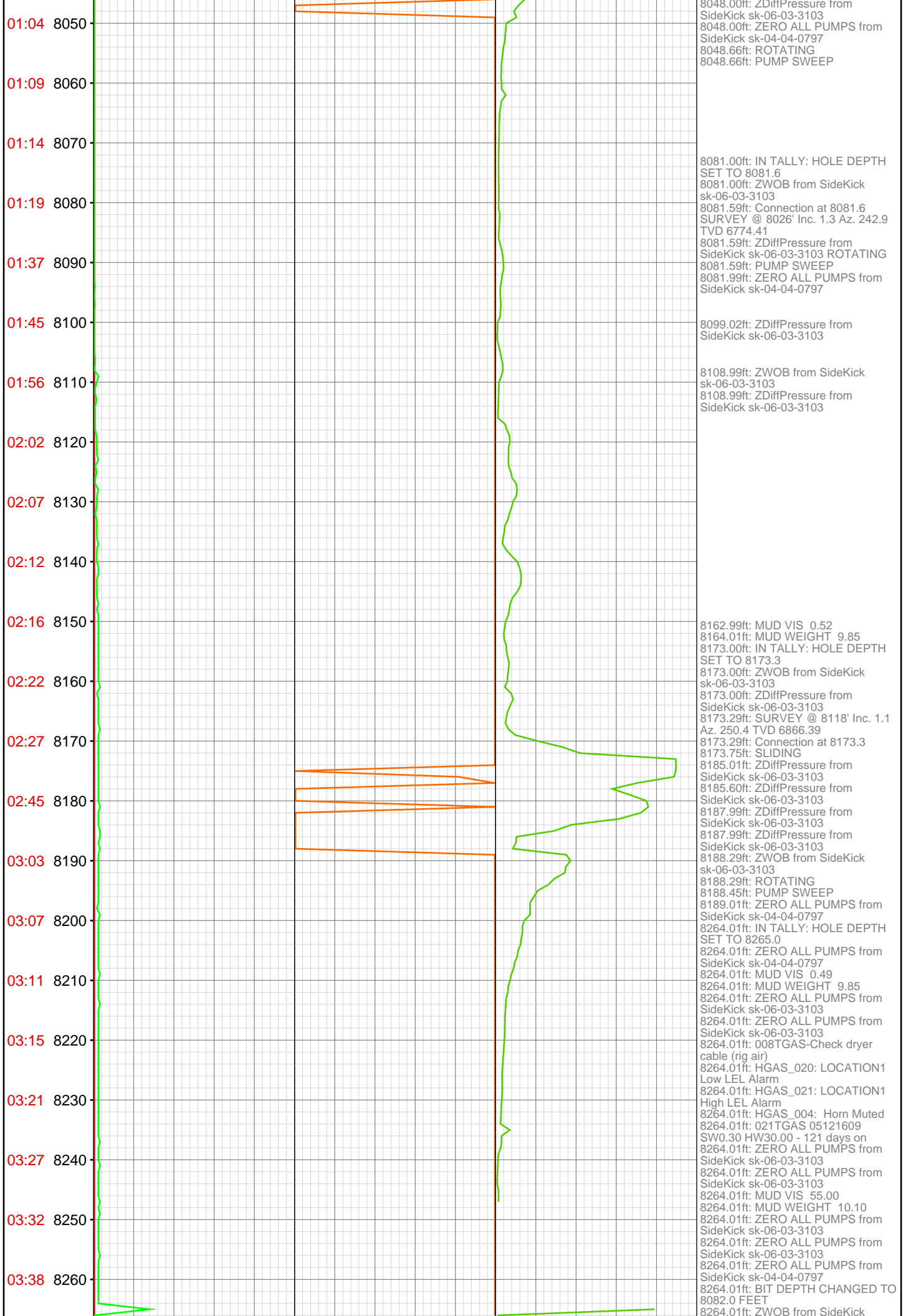
7440.26ft: Connection at 7440.6
7440.26ft: ZDiffPressure from
SideKick sk-06-03-3103
7444.00ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868
7444.55ft: SURVEY @ 7385 INC. 0.4
AZ. 122.6 TVD. 6133.58

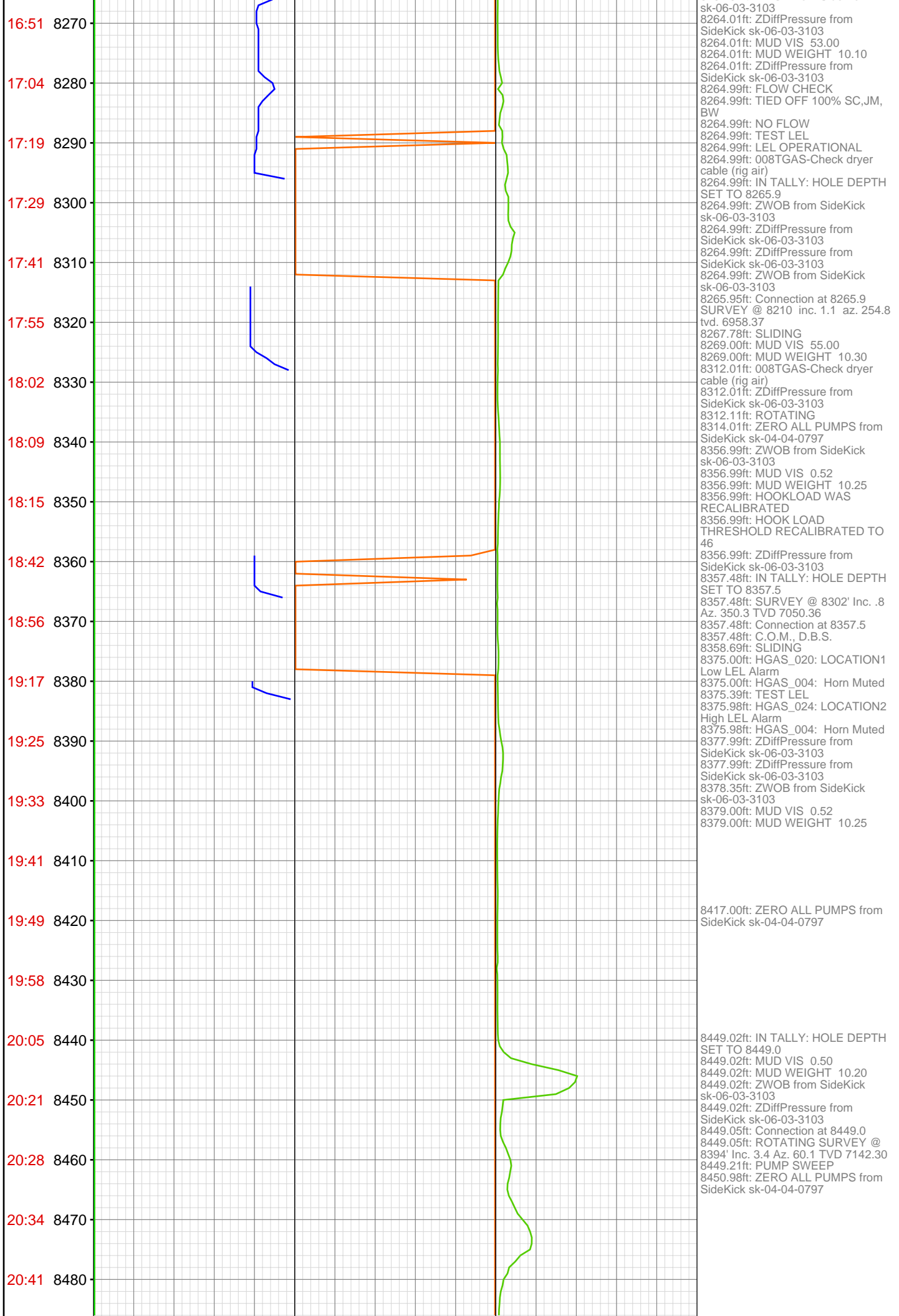
7524.67ft: RIG SERVICE
7525.00ft: MUD WEIGHT 9.50
7525.98ft: MUD VIS 0.50
7531.00ft: ZWOB from SideKick
sk-06-03-3103
7531.00ft: ZDiffPressure from
SideKick sk-06-03-3103
7531.46ft: SURVEY @ 7477 INC. 0.3
AZ. 221.3 TVD. 6225.58
7531.46ft: Connection at 7623.8
7531.99ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

7549.02ft: MUD WEIGHT 9.70
7549.02ft: MUD VIS 0.50









20:47 8490

20:52 8500

20:58 8510

21:04 8520

21:11 8530

21:25 8540

21:31 8550

21:38 8560

21:44 8570

21:53 8580

21:58 8590

22:03 8600

22:09 8610

22:16 8620

22:22 8630

23:01 8640

23:16 8650

23:25 8660

23:39 8670

23:45 8680

23:50 8690

23:55 8700

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8527.99ft: MUD VIS 0.48
8527.99ft: MUD WEIGHT 10.20
8539.99ft: ZWOB from SideKick
sk-06-03-3103
8539.99ft: ZDiffPressure from
SideKick sk-06-03-3103
8540.72ft: IN TALLY: HOLE DEPTH
SET TO 8540.7
8540.72ft: Connection at 8540.7
8540.72ft: ROTATING SURVEY @
8485' Inc. 3.1 Az. 57.3 TVD 7233.15
8542.91ft: PUMP SWEEP
8543.01ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

8579.99ft: ZDiffPressure from
SideKick sk-06-03-3103

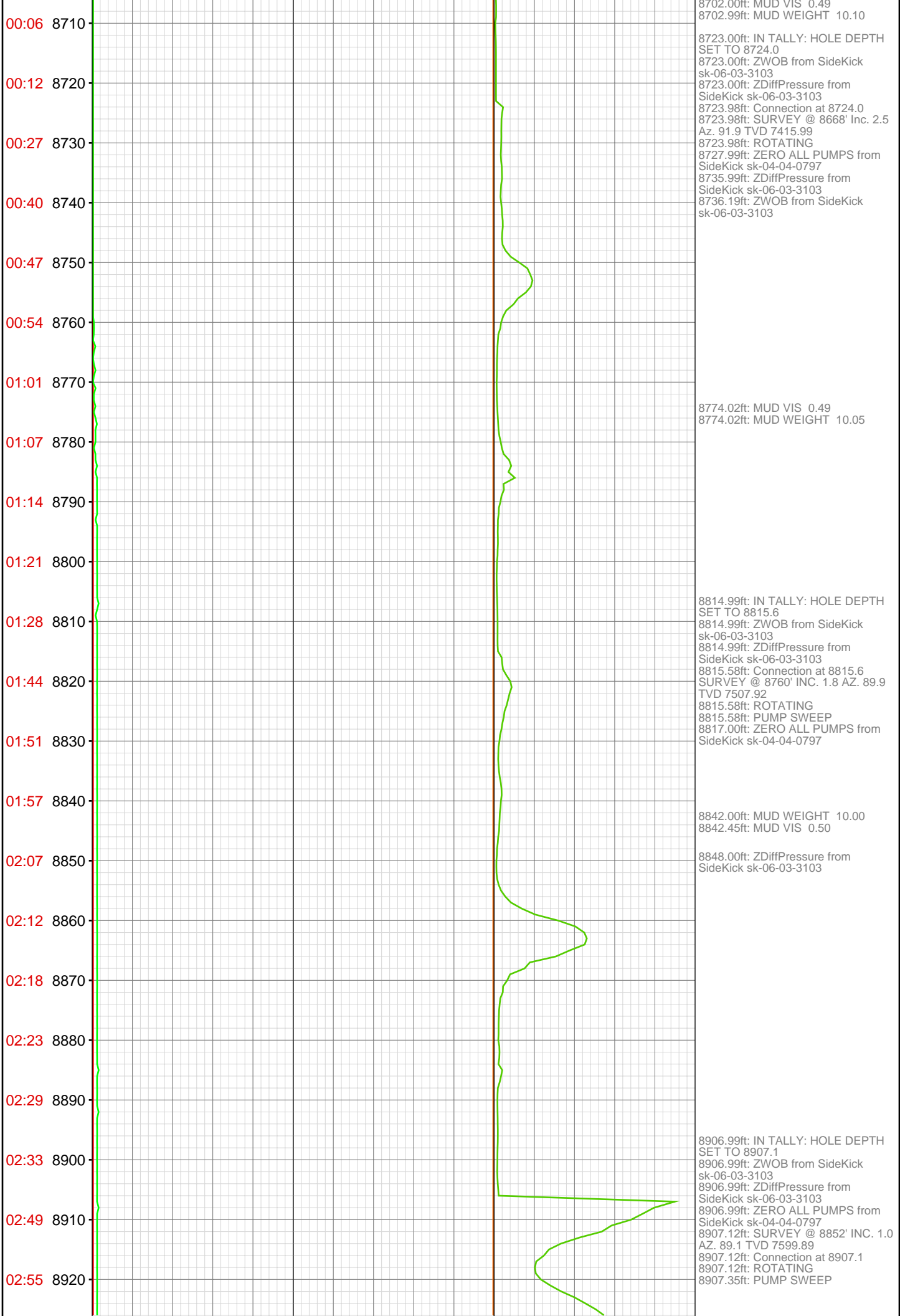
8600.98ft: MUD VIS 0.48
8600.98ft: MUD WEIGHT 10.20

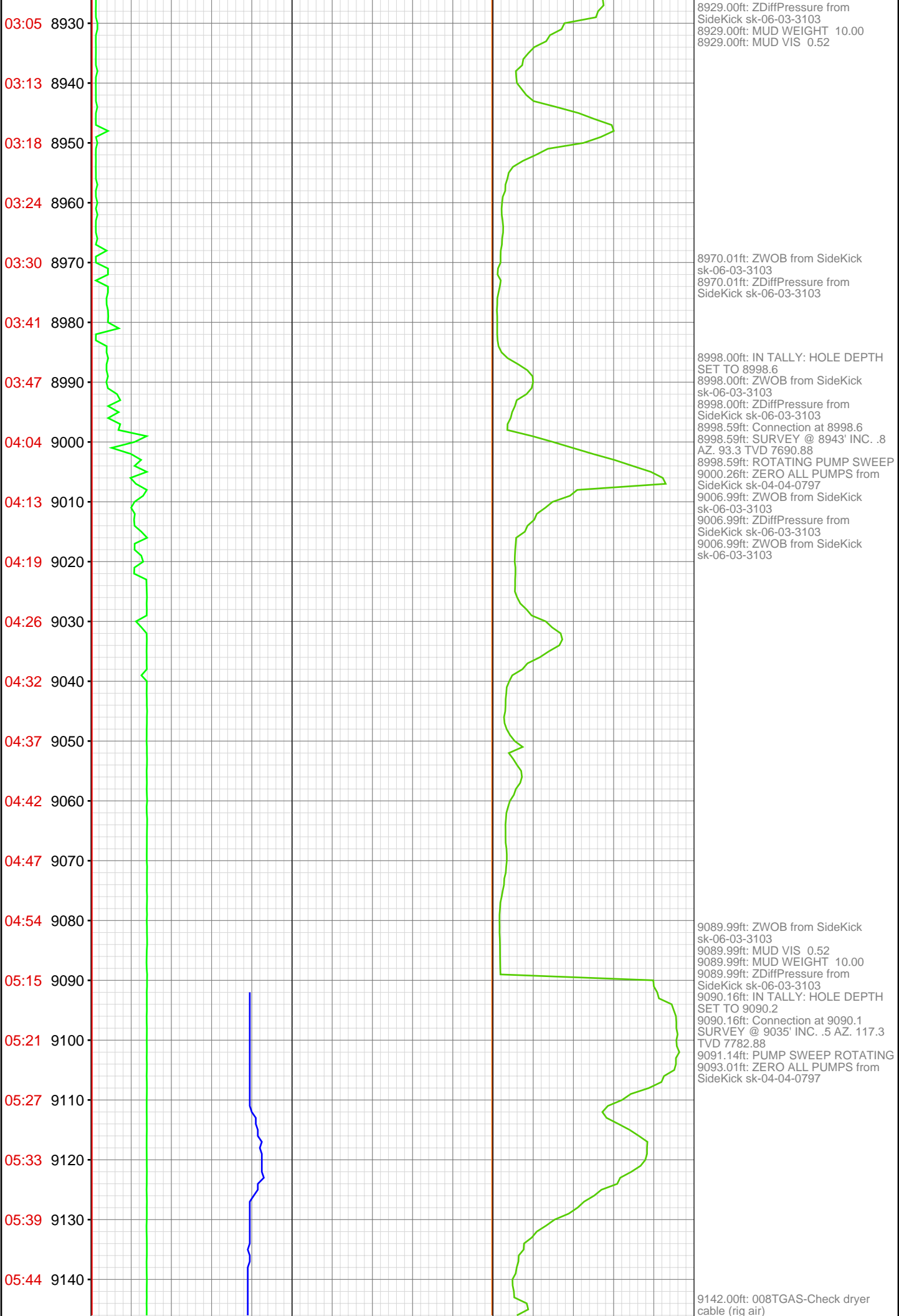
8631.99ft: IN TALLY: HOLE DEPTH
SET TO 8632.4
8631.99ft: ZWOB from SideKick
sk-06-03-3103
8631.99ft: ZDiffPressure from
SideKick sk-06-03-3103
8632.35ft: Connection at 8632.4
8632.35ft: SURVEY @ 8577' Inc. 2.2
Az. 46.0 TVD 7325.06
8632.41ft: SLIDING
8643.01ft: MUD VIS 0.49
8644.00ft: MUD WEIGHT 10.15
8646.00ft: ZDiffPressure from
SideKick sk-06-03-3103

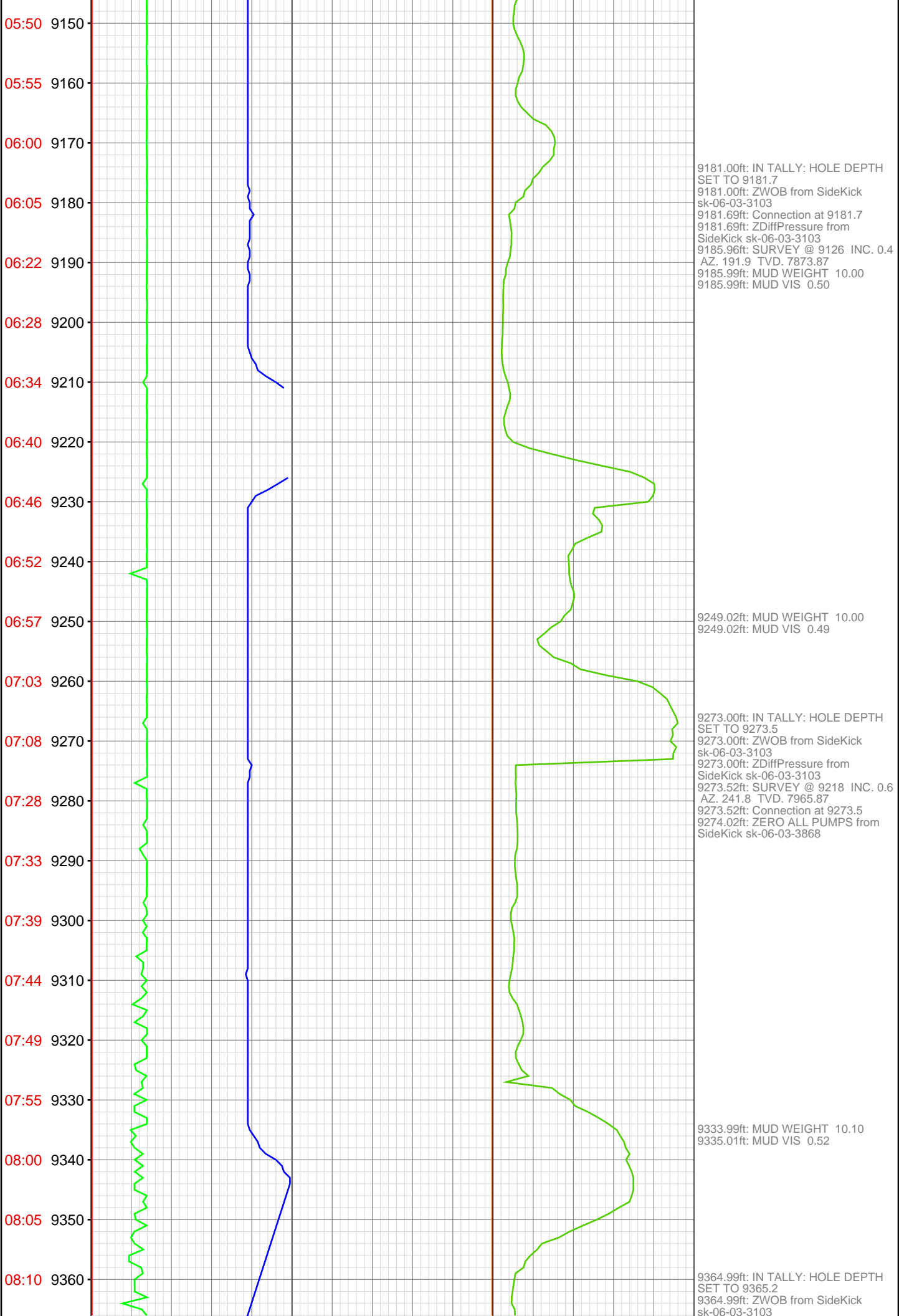
8662.01ft: ZDiffPressure from
SideKick sk-06-03-3103
8662.83ft: ROTATING PUMP SWEEP
8664.01ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
8664.40ft: PUMP SWEEP

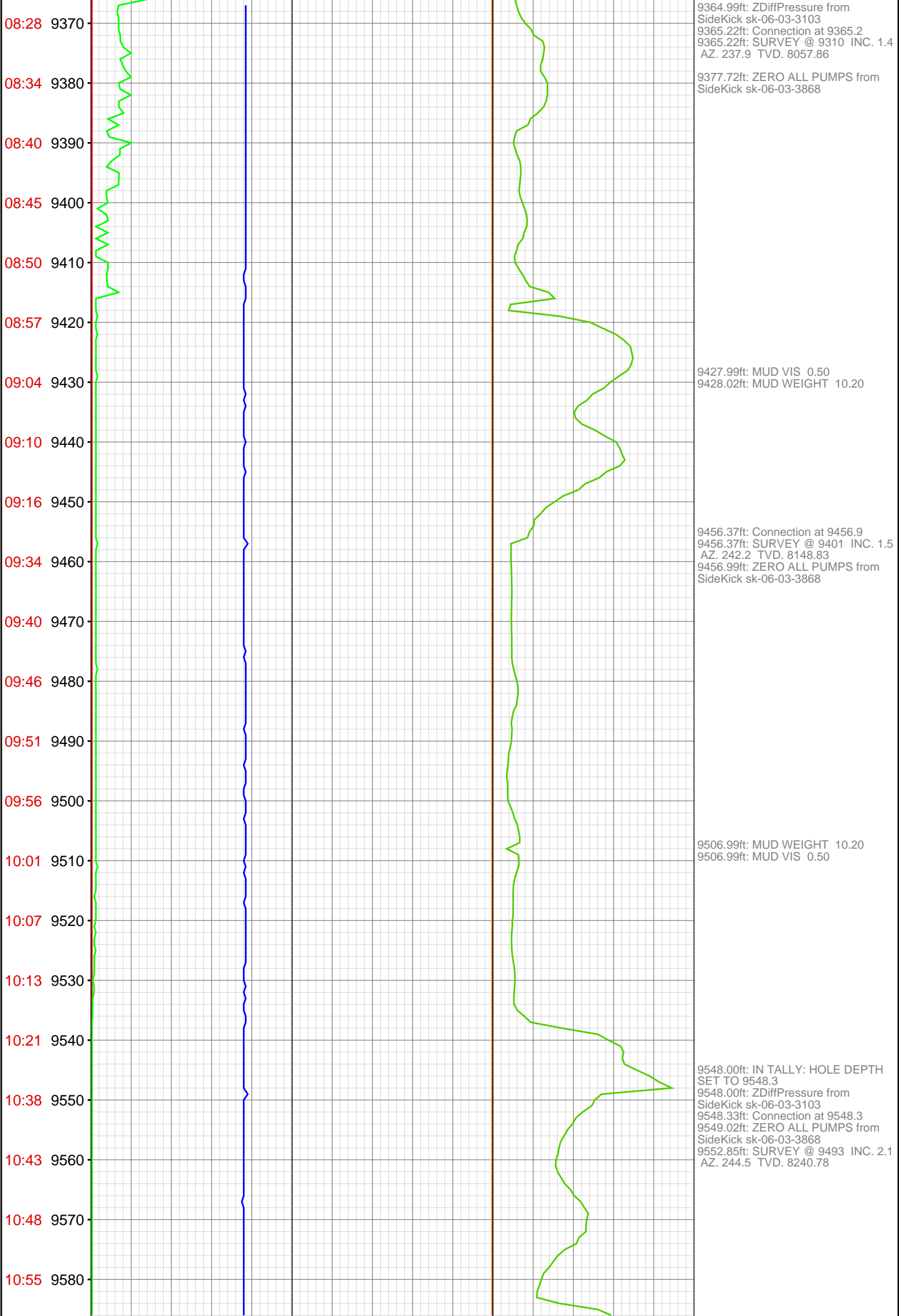
8681.00ft: 008TGAS-Check dryer
cable (rig air)

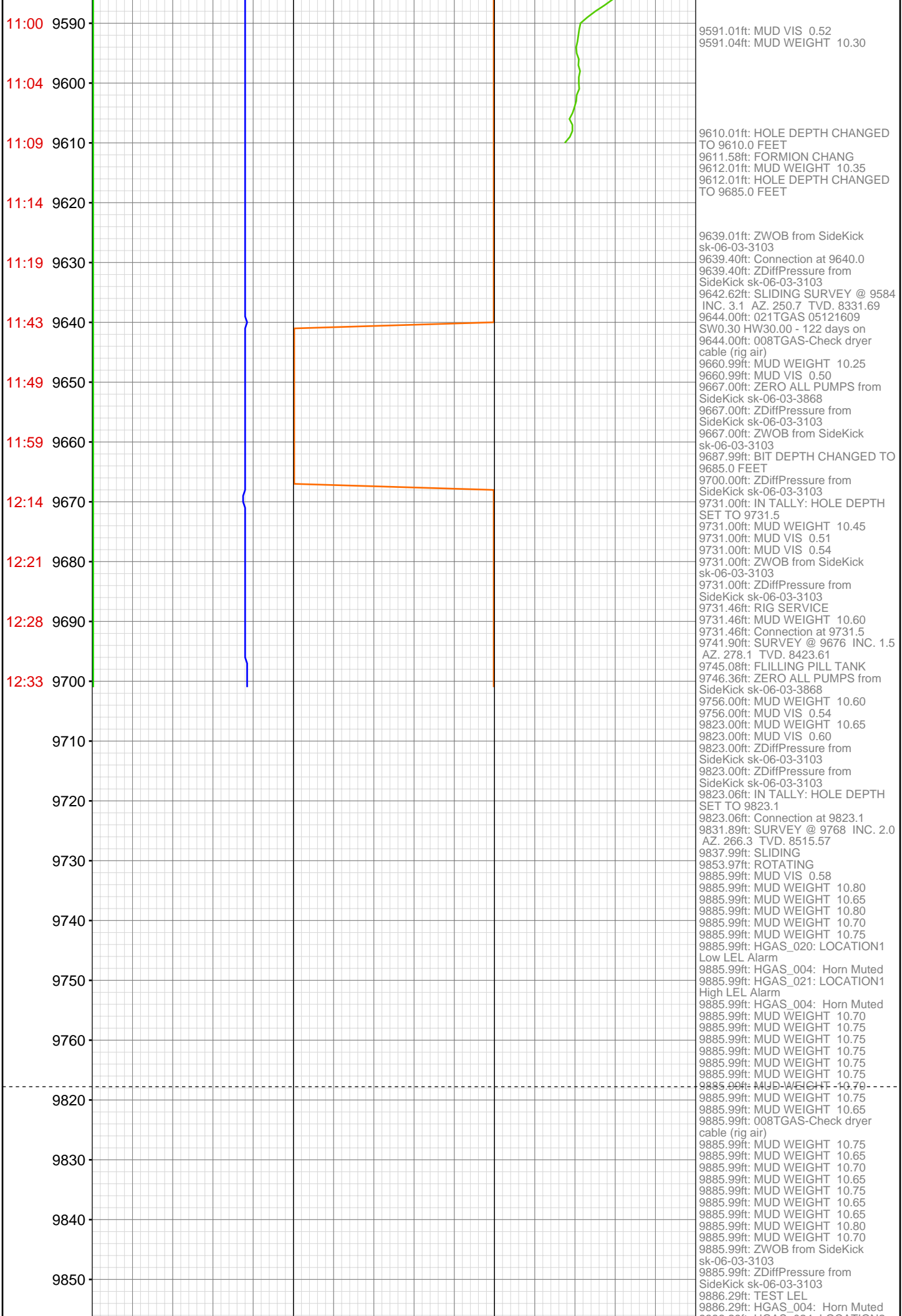
8702.00ft: ZDiffPressure from
SideKick sk-06-03-3103
8702.00ft: ZDiffPressure from
SideKick sk-06-03-3103











[illegible]

[illegible]

10440	10464.01ft: 008TGAS-Check dryer cable (rig air)
	10464.01ft: MUD VIS 43.00
	10464.01ft: MUD WEIGHT 10.50
	10464.01ft: 008TGAS-Check dryer cable (rig air)
10450	10464.24ft: CIRCULATE
	10464.24ft: MUD VIS 51.00
	10464.24ft: FLOW CHECK PUMP PILL
	10464.24ft: MUD VIS 52.00
10460	10464.24ft: FILL PIPE CIRCULATE
	10464.24ft: ZDiffPressure from SideKick sk-06-03-3103
	10464.24ft: PUMP SWEEP
	10464.24ft: FLOW CHECK
	10464.24ft: FLOW CHECK
10470	10464.24ft: PULL RTHD RUBBER
	10464.24ft: MUD WT/10.9
	10464.24ft: MUD VIS 43.00
10480	10464.24ft: ZERO ALL PUMPS from SideKick sk-06-03-3103
12:33 105000	10464.24ft: BEGIN 2 PER JNT/CENTRALIZERS
	10464.24ft: ROTATING RUBBER
	10464.24ft: FILL PIPE
	10464.24ft: FILL PIPE CIRCULATE.
	10464.24ft: WASH DOWN LAST TWO JTS CIRCULATE
105010	105000.00ft: BIT DEPTH CHANGED TO 105000.0 FEET
	105000.00ft: BIT DEPTH CHANGED TO 110000.0 FEET