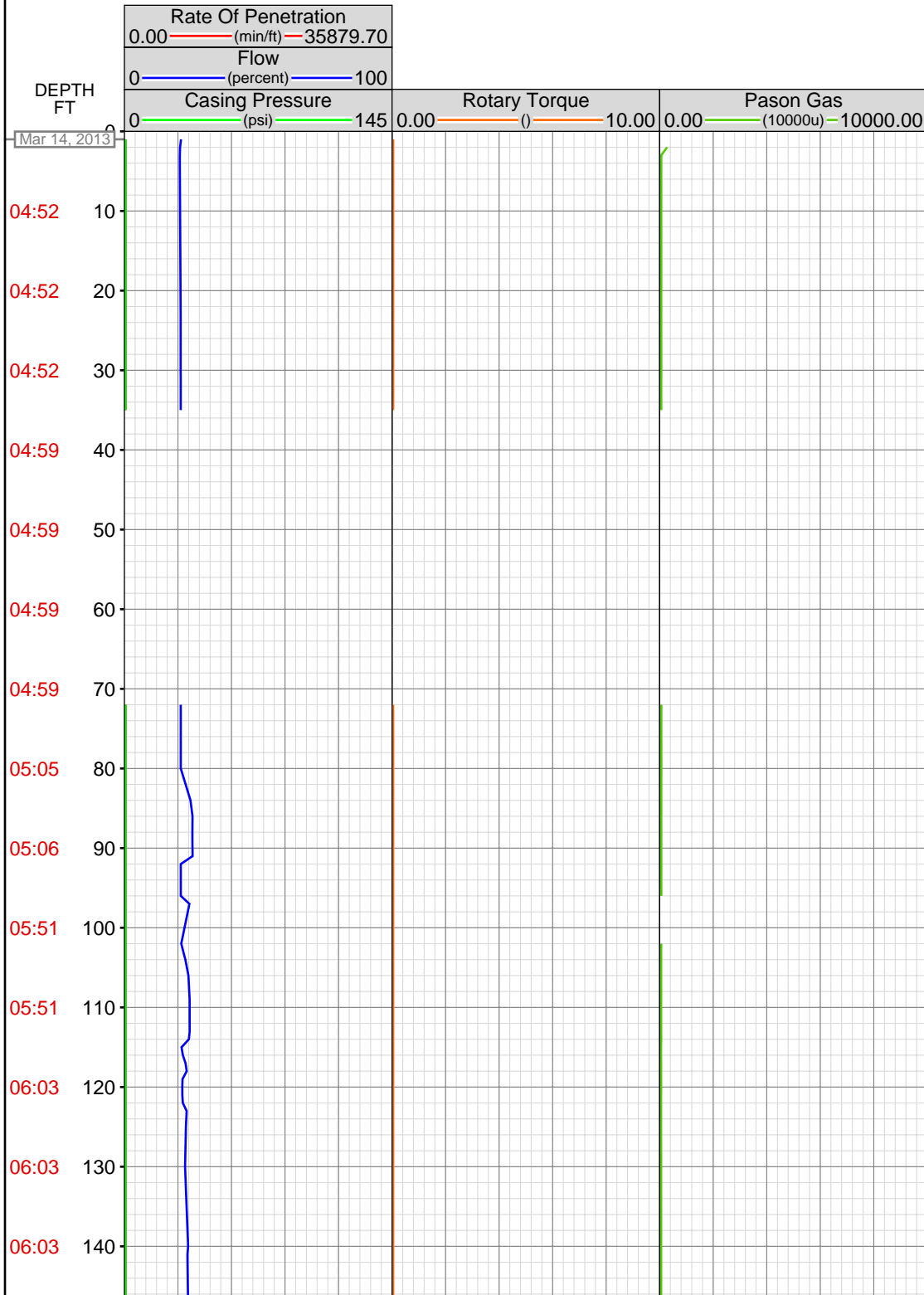


DataHub EDR Log

Fri Mar 22, 2013 07:47:30
Well Dossier 1363191956
Marilyn Tucker

OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: SG 8510B-23 L24 496
FIELD:
LOCATION: SEC 24 TWP 4S RNG 96W
COUNTRY: USA
RIG: Pat-UTI 330

CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 050421152
SPUD DATE: Mar 14, 2013 09:30
RELEASE DATE:

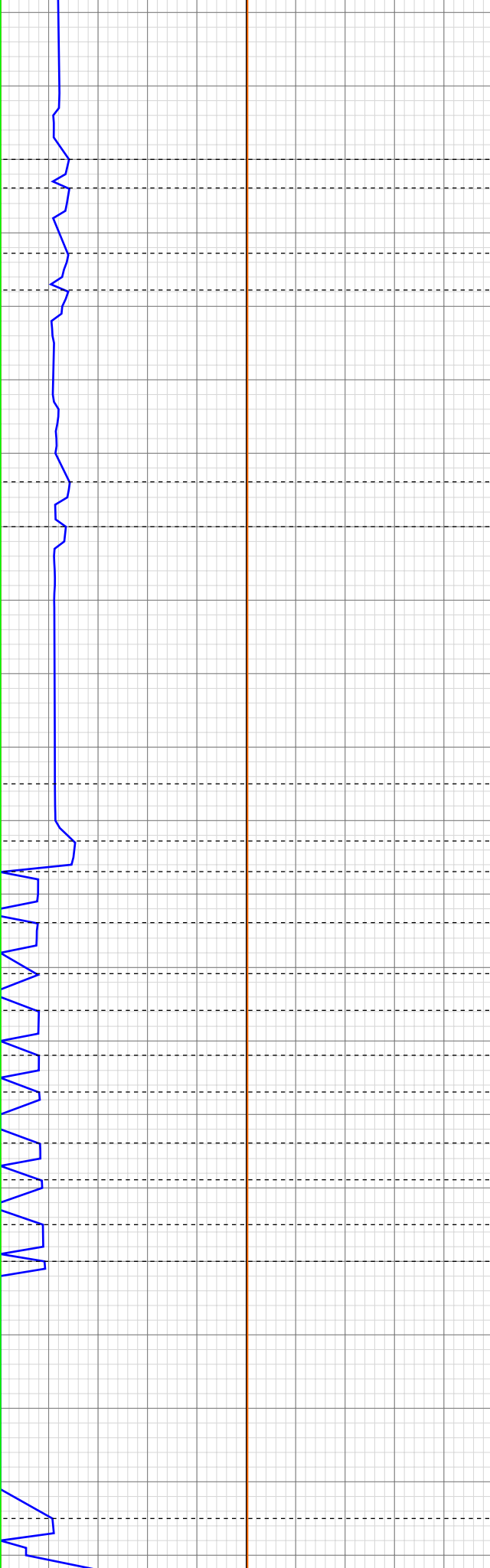


MEMOS

0.52ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
0.52ft: PVT:Volume alarm reactivated: un-muted
0.52ft: MUD VIS 83.00
0.52ft: MUD WEIGHT 8.60
0.52ft: PRESSURE TESTED
DRILLSTRING AIR LINES 3200 PSI / OK

96.00ft: MUD VIS 82.00
96.00ft: MUD WEIGHT 8.60

06:03 150
06:03 160
07:18 170
07:21 340
07:23 510
07:30 520
07:34 530
07:36 600
07:38 700
07:38 710
07:39 720
07:39 780
07:57 960
08:03 1060
08:07 1250
08:09 1440
08:12 1630
08:16 1730
08:18 1830
08:18 1840
08:18 1850
08:20 1920

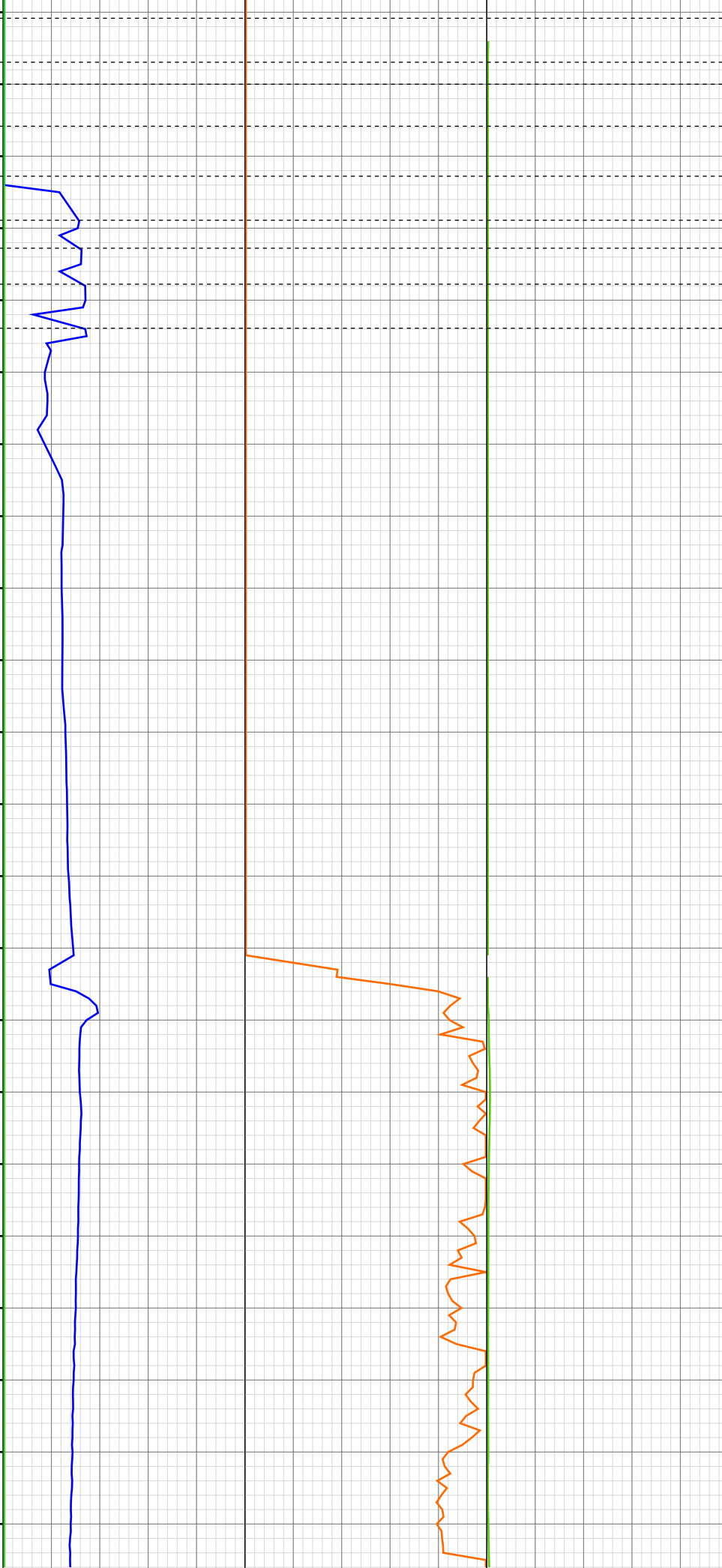


163.36ft: MUD VIS 75.00
163.36ft: MUD WEIGHT 8.65

514.16ft: INSTALL ROT RUBBER

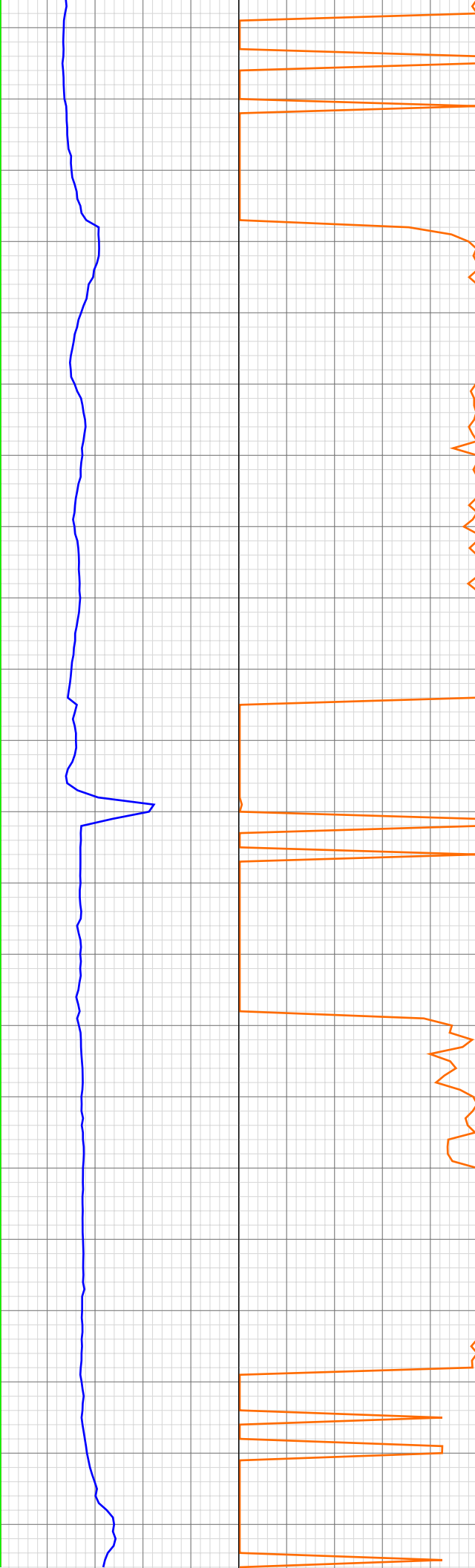
962.09ft: TEST PARASITE LINE /
GOOD

08:24 2110
08:28 2300
08:31 2490
08:34 2680
08:37 2870
08:40 2970
08:41 2980
08:41 2990
08:41 3000
08:41 3010
08:41 3020
08:41 3030
08:41 3040
08:41 3050
09:45 3060
09:50 3070
09:54 3080
09:58 3090
10:01 3100
10:04 3110
10:07 3120
10:10 3130



3057.83ft: ZWOB from SideKick sk-11-11-0402
3057.83ft: ZDiffPressure from SideKick sk-11-11-0402
3062.90ft: MUD VIS 62.00
3063.20ft: MUD WEIGHT 8.60
3063.80ft: BIT DEPTH CHANGED TO 2854.4 FEET
3063.80ft: BIT DEPTH CHANGED TO 2949.7 FEET
3063.80ft: ZWOB from SideKick sk-11-11-0402
3063.80ft: ZDiffPressure from SideKick sk-11-11-0402
3063.80ft: HOOKLOAD WAS RECALIBRATED
3063.80ft: Connection at 3044.4
3063.80ft: ZWOB from SideKick sk-11-11-0402
3063.80ft: ZDiffPressure from SideKick sk-11-11-0402
3063.80ft: HOLE DEPTH CHANGED TO 3052.0 FEET
3075.35ft: SWEEP

10:26 3140
10:34 3150
10:42 3160
10:51 3170
10:54 3180
10:57 3190
11:00 3200
11:03 3210
11:06 3220
11:09 3230
11:33 3240
17:22 3250
17:30 3260
17:37 3270
17:46 3280
17:49 3290
17:52 3300
17:54 3310
17:57 3320
18:14 3330
18:20 3340
18:25 3350



3138.09ft: SURVEY @3079 INC 17.4
AZI 280.8
3138.09ft: Connection at 3139.3
3143.31ft: TESTING LEL
3144.50ft: HGAS_020: LOCATION1
Low LEL Alarm HGAS_021:
LOCATION1 High LEL Alarm
3144.50ft: HGAS_004: Horn Muted
3152.56ft: HGAS_024: LOCATION2
High LEL Alarm
3152.86ft: HGAS_004: Horn Muted

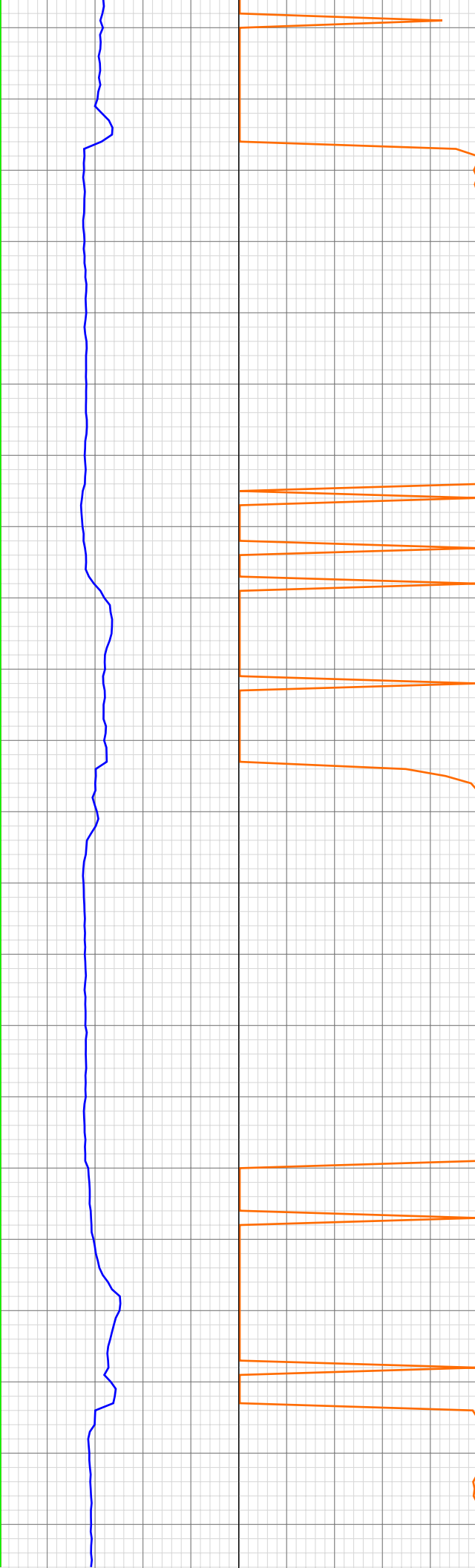
3167.48ft: ZDiffPressure from
SideKick sk-11-11-0402
3167.48ft: ZWOB from SideKick
sk-11-11-0402

3185.08ft: SWEEP

3233.42ft: MUD VIS 58.00
3234.01ft: MUD WEIGHT 8.60
3234.53ft: MUD PH 9.40
3234.91ft: SURVEY @3174 INC 15.7
AZI 278.4
3234.91ft: Connection at 3234.1
3234.91ft: SHUT #2 MP CHECK OUT
PSI LOSS
3247.44ft: ZDiffPressure from
SideKick sk-11-11-0402
3247.44ft: ZWOB from SideKick
sk-11-11-0402
3247.81ft: CHECK DP SCREEN FOR
BLOCKAGE CAUSING PRESSURE
SPIKE
3247.81ft: TEST MUD MOTOR
3248.63ft: ZERO ALL PUMPS from
SideKick sk-11-11-0402
3248.63ft: PVT:Flow alarm
reactivated: un-muted
3248.63ft: MUD VIS 60.00
3248.63ft: MUD WEIGHT 8.60
3248.63ft: PVT:Flow alarm muted
3248.63ft: MUD PH 9.10
3248.63ft: PVT:Flow alarm
reactivated: un-muted
3248.63ft: PVT:Flow alarm muted
3248.63ft: INSTALL ROT RUBER
3248.63ft: MUD VIS 61.00
3248.63ft: MUD WEIGHT 8.65
3248.63ft: ZERO ALL PUMPS from
SideKick sk-11-11-0402
3248.63ft: BIT DEPTH CHANGED TO
3044.4 FEET
3248.63ft: ZWOB from SideKick
sk-11-11-0402
3248.63ft: ZDiffPressure from
SideKick sk-11-11-0402
3248.63ft: MUD VIS 62.00
3248.63ft: MUD WEIGHT 8.65
3278.84ft: ZDiffPressure from
SideKick sk-11-11-0402
3278.84ft: ZWOB from SideKick
sk-11-11-0402
3280.63ft: SWEEP

3328.97ft: SURVEY 3269 15.4 INC
287.4 AZI
3328.97ft: Connection at 3329.2
3328.97ft: PVT:Volume alarm muted
3328.97ft: ZDiffPressure from
SideKick sk-11-11-0402
3328.97ft: ZWOB from SideKick
sk-11-11-0402
3333.66ft: MUD VIS 61.00
3333.99ft: MUD WEIGHT 8.65
3335.17ft: PVT:Volume alarm
reactivated: un-muted

18:31 3360
18:35 3370
18:41 3380
18:43 3390
18:45 3400
18:47 3410
18:49 3420
19:08 3430
19:14 3440
19:18 3450
19:23 3460
19:28 3470
19:30 3480
19:32 3490
19:34 3500
19:36 3510
19:51 3520
19:56 3530
20:01 3540
20:05 3550
20:10 3560
20:12 3570



3376.35ft: ZDiffPressure from SideKick sk-11-11-0402
3376.35ft: SWEEP

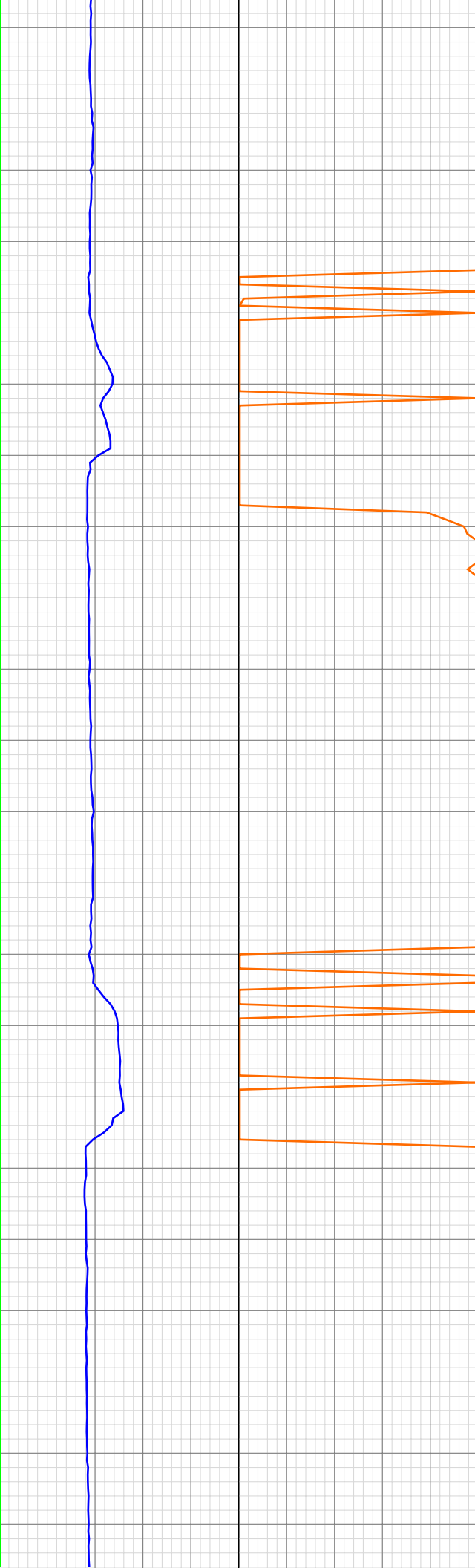
3424.38ft: SURVEY 3364 17.8 INC
294.7 AZI
3424.38ft: Connection at 3424.3
3424.38ft: ZDiffPressure from SideKick sk-11-11-0402

3452.13ft: MUD VIS 65.00
3452.43ft: MUD WEIGHT 8.65
3458.69ft: HGAS_021: LOCATION1
High LEL Alarm
3458.99ft: HGAS_004: Horn Muted
3459.28ft: HGAS_005: System Test Performed: No Faults Detected
3463.39ft: ZDiffPressure from SideKick sk-11-11-0402

3519.55ft: SURVEY 3459 20.4 INC
291.4 AZI
3519.55ft: Connection at 3519.5
3519.55ft: ZDiffPressure from SideKick sk-11-11-0402

3553.18ft: ZDiffPressure from SideKick sk-11-11-0402
3553.18ft: ZDiffPressure from SideKick sk-11-11-0402
3553.18ft: ZDiffPressure from SideKick sk-11-11-0402
3553.41ft: SWEEP

20:13 3580
20:15 3590
20:17 3600
20:19 3610
20:35 3620
20:40 3630
20:44 3640
20:50 3650
20:52 3660
20:53 3670
20:55 3680
20:57 3690
21:00 3700
21:16 3710
21:23 3720
21:27 3730
21:32 3740
21:34 3750
21:36 3760
21:38 3770
21:40 3780
21:42 3790



3614.67ft: SURVEY 3554 22.8 INC
289.2
3614.67ft: Connection at 3614.4
3614.67ft: ZDiffPressure from
SideKick sk-11-11-0402
3617.49ft: MUD VIS 64.00
3617.49ft: MUD WEIGHT 8.70

3647.34ft: ZDiffPressure from
SideKick sk-11-11-0402

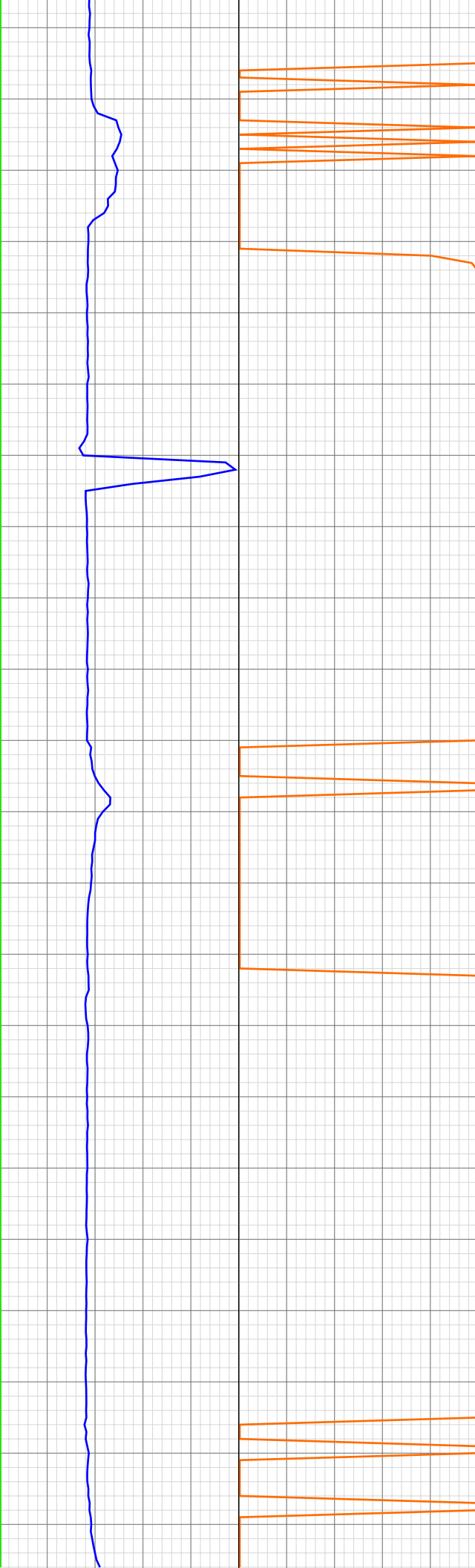
3659.55ft: SWEEP

3709.97ft: SURVEY 3649 23.9 INC
283.5 AZI
3709.97ft: Connection at 3709.4

3738.32ft: SWEEP

3758.01ft: MUD VIS 63.00
3758.63ft: MUD WEIGHT 8.70

21:44 3800
22:02 3810
22:10 3820
22:17 3830
22:22 3840
22:23 3850
22:25 3860
22:27 3870
22:30 3880
22:33 3890
22:35 3900
22:55 3910
23:00 3920
23:08 3930
23:14 3940
23:17 3950
23:19 3960
23:21 3970
23:24 3980
23:26 3990
23:49 4000
23:55 4010



3805.38ft: SURVEY 3744 24.0 INC
283.6 AZI
3805.38ft: Connection at 3804.4
3805.38ft: ZDiffPressure from
SideKick sk-11-11-0402

3831.43ft: ZDiffPressure from
SideKick sk-11-11-0402
3831.43ft: SWEEP

3900.72ft: SURVEY 3839 22.9
INC 282.1 AZI
3900.72ft: Connection at 3899.5

3932.19ft: ZDiffPressure from
SideKick sk-11-11-0402

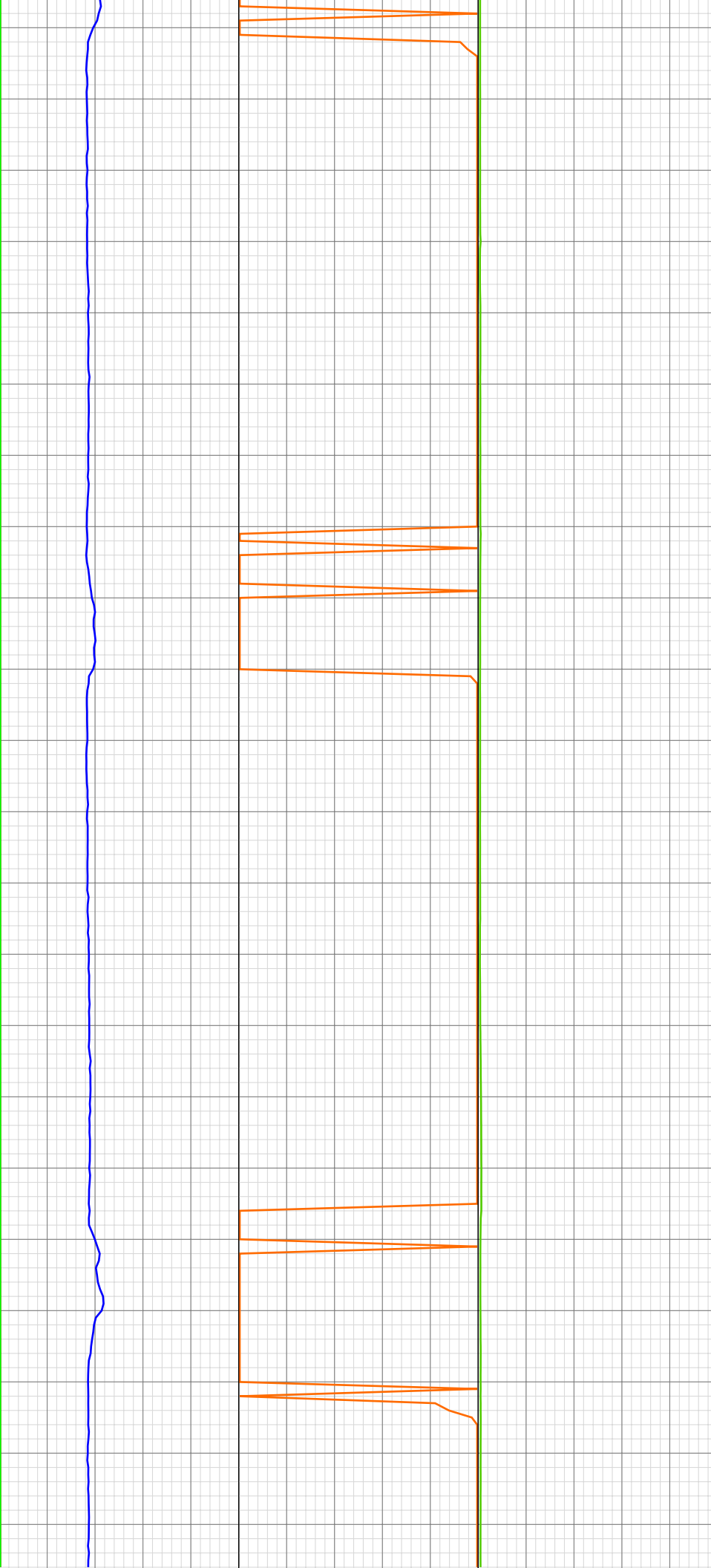
3949.21ft: SWEEP

3981.99ft: MUD VIS 62.00
3982.61ft: MUD WEIGHT 8.75

3995.90ft: MUD PH 9.00
3995.90ft: SURVEY 3934 23.2 INC
284.5 AZI
3995.90ft: Connection at 3994.5
3995.90ft: ZDiffPressure from
SideKick sk-11-11-0402

Mar 15, 2013

00:00 4020
00:05 4030
00:07 4040
00:10 4050
00:12 4060
00:14 4070
00:16 4080
00:30 4090
00:37 4100
00:44 4110
00:48 4120
00:50 4130
00:52 4140
00:54 4150
00:56 4160
00:58 4170
01:00 4180
01:19 4190
01:26 4200
01:30 4210
01:37 4220
01:39 4230



4021.56ft: ZDiffPressure from SideKick sk-11-11-0402
4021.56ft: SWEEP

4090.85ft: SURVEY 4029 23.6 INC
284.3 AZI
4090.85ft: Connection at 4089.5
4090.85ft: ZDiffPressure from SideKick sk-11-11-0402
4097.28ft: MUD VIS 67.00
4097.28ft: MUD WEIGHT 8.80
4097.64ft: MUD PH 9.00

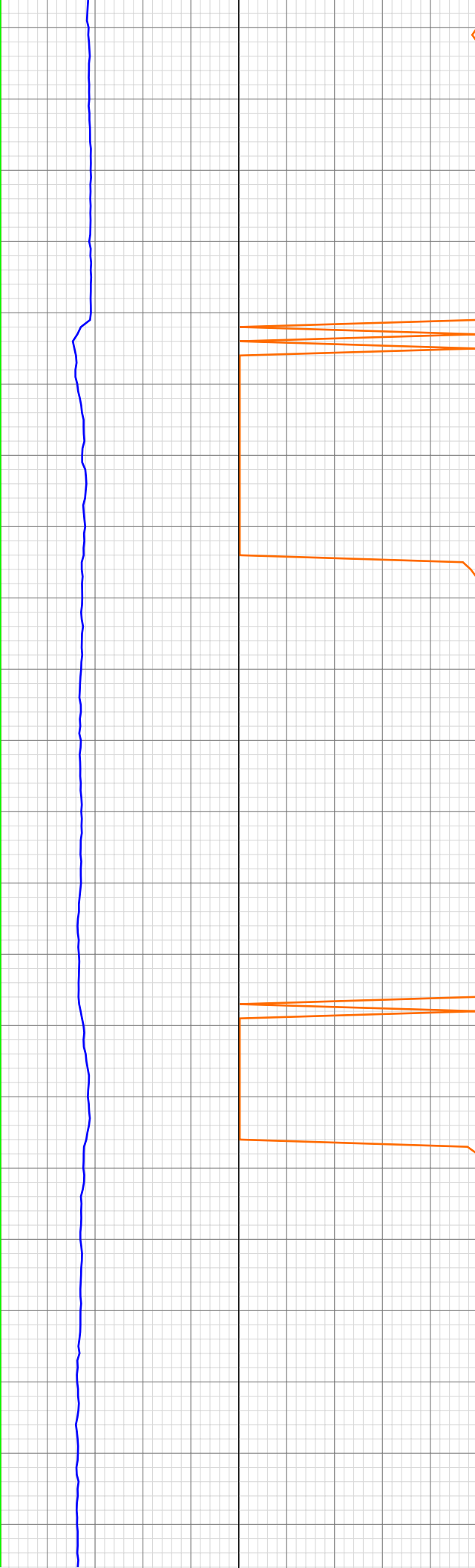
4113.32ft: SWEEP

4185.96ft: SURVEY 4029 22.4 INC
282.9 AZI SURVEY DEPTH CORRECTION 4124'
4185.96ft: Connection at 4184.5
4185.96ft: ZDiffPressure from SideKick sk-11-11-0402

4212.83ft: ZDiffPressure from SideKick sk-11-11-0402
4212.83ft: ZWOB from SideKick sk-11-11-0402
4212.83ft: SWEEP

4227.99ft: MUD VIS 64.00
4228.84ft: MUD WEIGHT 8.80
4229.00ft: MUD PH 9.00

01:42 4240
01:44 4250
01:46 4260
01:48 4270
01:51 4280
02:14 4290
02:22 4300
02:31 4310
02:38 4320
02:40 4330
02:42 4340
02:44 4350
02:46 4360
02:47 4370
03:09 4380
03:17 4390
03:23 4400
03:25 4410
03:27 4420
03:29 4430
03:31 4440
03:33 4450



4281.14ft: SURVEY 4219 20.0 INC
285.3 AZI
4281.14ft: Connection at 4279.4
4281.14ft: ZDiffPressure from
SideKick sk-11-11-0402

4314.27ft: ZDiffPressure from
SideKick sk-11-11-0402
4314.27ft: SWEEP

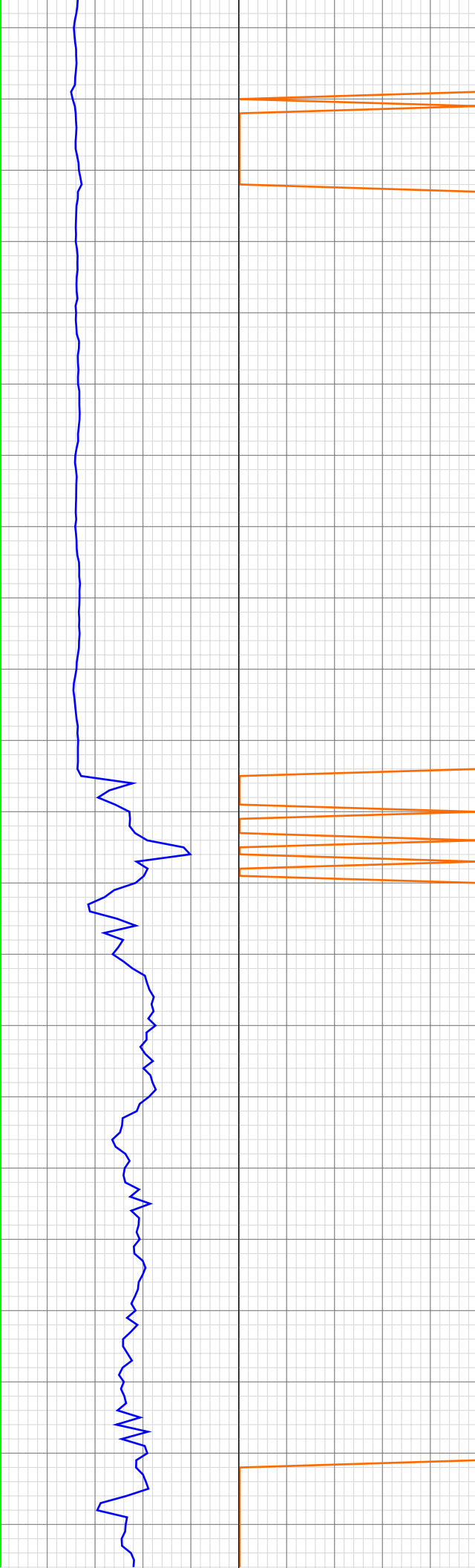
4340.35ft: TRANSFERRED 130.00

4361.25ft: PVT:Volume alarm muted

4376.48ft: SURVEY 4314 23.1 INC
285 AZI
4376.48ft: Connection at 4374.4
4376.48ft: MUD VIS 65.00
4376.48ft: MUD WEIGHT 8.80
4376.48ft: MUD PH 9.00
4376.48ft: PVT:Volume alarm
reactivated: un-muted

4431.82ft: SWEEP

03:35 4460
03:53 4470
04:04 4480
04:09 4490
04:11 4500
04:13 4510
04:15 4520
04:17 4530
04:20 4540
04:22 4550
04:24 4560
04:44 4570
04:53 4580
04:55 4590
05:01 4600
05:07 4610
05:10 4620
05:13 4630
05:16 4640
05:18 4650
05:34 4660
05:41 4670



4471.65ft: SURVEY 4409 23.7 INC
285.5 AZI
4471.65ft: Connection at 4469.2
4471.65ft: ZDiffPressure from
SideKick sk-11-11-0402
4471.65ft: MUD VIS 61.00
4471.72ft: MUD WEIGHT 8.80

4482.58ft: ZDiffPressure from
SideKick sk-11-11-0402
4483.76ft: SWEEP

4521.88ft: SWEEP

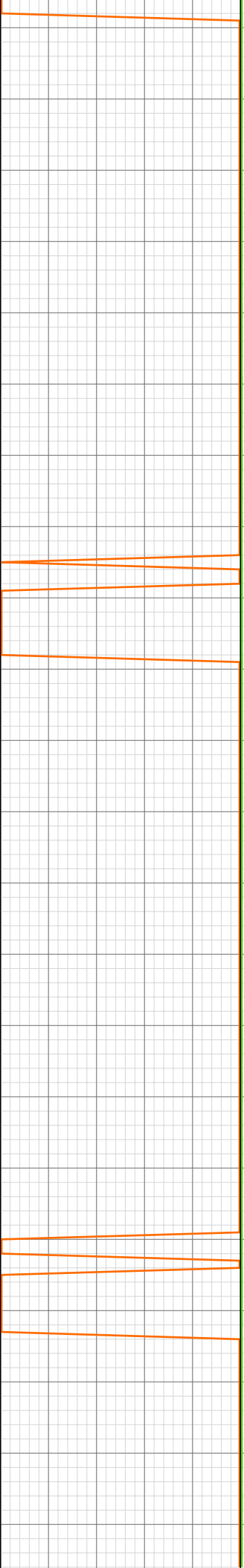
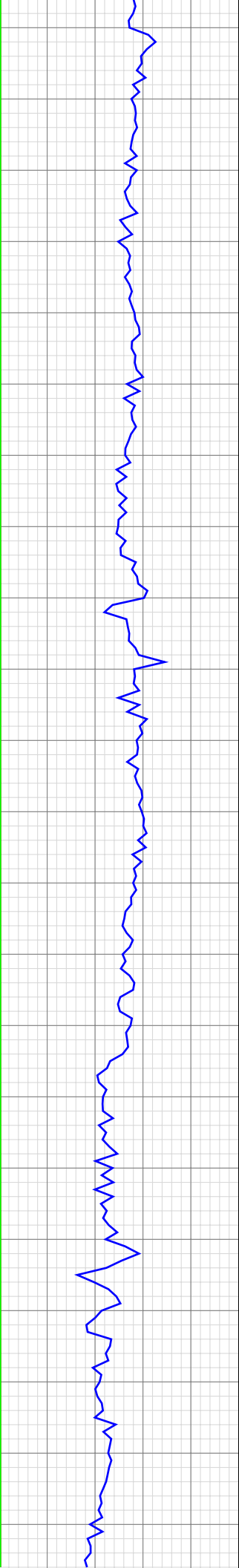
4564.34ft: SURVEY 4504 23.4 INC
284.4 AZI
4564.34ft: Connection at 4564.2
4564.34ft: 200 CFM PARASITE

4575.98ft: MUD VIS 64.00
4576.28ft: MUD WEIGHT 8.85
4579.23ft: ZDiffPressure from
SideKick sk-11-11-0402

4587.89ft: SWEEP

4659.35ft: SURVEY 4599 23.2 INC
284.5 AZI
4659.35ft: Connection at 4659.2
4659.35ft: ZDiffPressure from
SideKick sk-11-11-0402

05:52 4680
05:54 4690
05:56 4700
05:58 4710
06:00 4720
06:03 4730
06:05 4740
06:07 4750
06:29 4760
06:40 4770
06:42 4780
06:44 4790
06:46 4800
06:48 4810
06:50 4820
06:53 4830
06:55 4840
07:09 4850
07:18 4860
07:25 4870
07:28 4880
07:30 4890



4677.99ft: MUD VIS 69.00
4677.99ft: MUD WEIGHT 8.90
4678.74ft: ZDiffPressure from
SideKick sk-11-11-0402

4754.33ft: SURVEY @4694 INC 23.2
AZI 287.2
4754.33ft: Connection at 4754.0

4765.72ft: TRANSFERRED 300.00
4768.70ft: ZDiffPressure from
SideKick sk-11-11-0402
4768.70ft: ZWOB from SideKick
sk-11-11-0402

4778.54ft: SWEEP

4838.22ft: AIR PARA 200

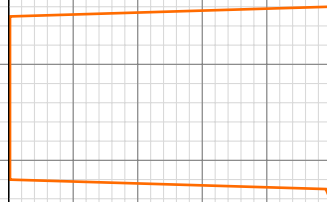
4849.57ft: MUD VIS 73.00
4849.57ft: MUD WEIGHT 8.85
4849.57ft: MUD PH 8.30
4849.57ft: SURVEY @4789 INC 23.5
AZI 286.9
4849.57ft: Connection at 4849.2

4863.16ft: ZWOB from SideKick
sk-11-11-0402
4863.16ft: ZDiffPressure from
SideKick sk-11-11-0402

4883.60ft: SWEEP

4893.21ft: AIR PARA 300

07:32 4900
07:34 4910
07:36 4920
07:38 4930
07:40 4940
07:58 4950
08:06 4960
08:11 4970
08:14 4980
08:16 4990
08:18 5000
08:20 5010
08:22 5020
08:24 5030
08:38 5040
08:39 5050
08:41 5060
08:43 5070
08:45 5080
08:47 5090
08:49 5100
08:52 5110



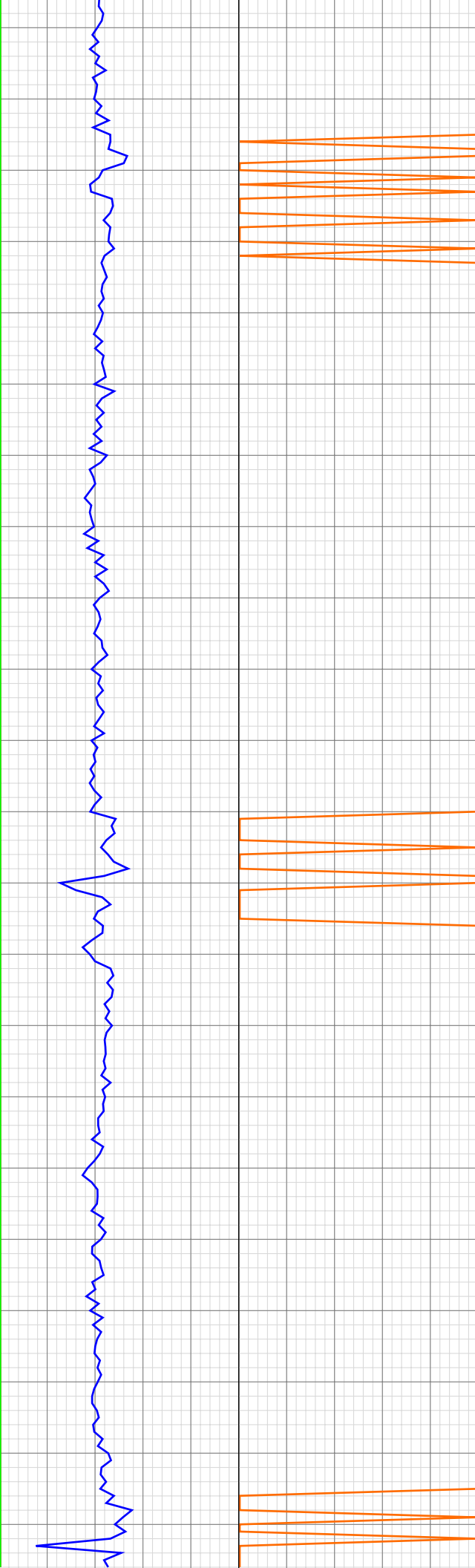
4922.90ft: TESTING LEL'S
4926.48ft: HGAS_020: LOCATION1
Low LEL Alarm
4926.48ft: HGAS_021: LOCATION1
High LEL Alarm
4926.48ft: HGAS_004: Horn Muted
4933.92ft: HGAS_023: LOCATION2
Low LEL Alarm
4933.99ft: HGAS_024: LOCATION2
High LEL Alarm
4933.99ft: HGAS_004: Horn Muted
4944.98ft: SURVEY @4884 INC 23.6
AZI 286.5
4944.98ft: Connection at 4944.1

4962.86ft: ZWOB from SideKick
sk-11-11-0402
4962.86ft: ZDiffPressure from
SideKick sk-11-11-0402
4966.96ft: SWEEP

5040.16ft: Connection at 5038.8
5040.16ft: SURVEY @4978 INC 23.3
AZI 286.8
5040.16ft: ZWOB from SideKick
sk-11-11-0402
5040.16ft: ZDiffPressure from
SideKick sk-11-11-0402

5062.17ft: SWEEP

08:54 5120
08:56 5130
09:14 5140
09:22 5150
09:29 5160
09:32 5170
09:35 5180
09:37 5190
09:39 5200
09:41 5210
09:44 5220
09:57 5230
10:06 5240
10:14 5250
10:18 5260
10:20 5270
10:22 5280
10:24 5290
10:26 5300
10:28 5310
10:30 5320
10:49 5330



5135.11ft: SURVEY @5074 INC 21.9
AZI 285.5
5135.11ft: Connection at 5134.1

5146.36ft: AIR PARA 300

5152.72ft: ZWOB from SideKick
sk-11-11-0402
5152.72ft: ZDiffPressure from
SideKick sk-11-11-0402

5172.01ft: SWEEP

5214.99ft: MUD VIS 61.00
5216.11ft: MUD WEIGHT 9.05
5216.99ft: MUD PH 8.50

5230.58ft: SURVEY @5169 INC 22.5
AZI 286.5
5230.58ft: Connection at 5229.3

5245.96ft: ZWOB from SideKick
sk-11-11-0402
5245.96ft: ZDiffPressure from
SideKick sk-11-11-0402
5248.62ft: SWEEP

5325.62ft: SURVEY @5169 INC 22.2
AZI 286.3
5325.62ft: Connection at 5324.5

11:01 5340
11:04 5350
11:06 5360
11:08 5370
11:11 5380
11:14 5390
11:16 5400
11:18 5410
11:20 5420
11:35 5430
11:37 5440
11:38 5450
11:40 5460
11:42 5470
11:44 5480
11:46 5490
11:48 5500
11:51 5510
12:07 5520
12:15 5530
12:22 5540
12:29 5550



5340.55ft: ZWOB from SideKick
sk-11-11-0402
5340.55ft: ZDiffPressure from
SideKick sk-11-11-0402

5349.41ft: SWEEP

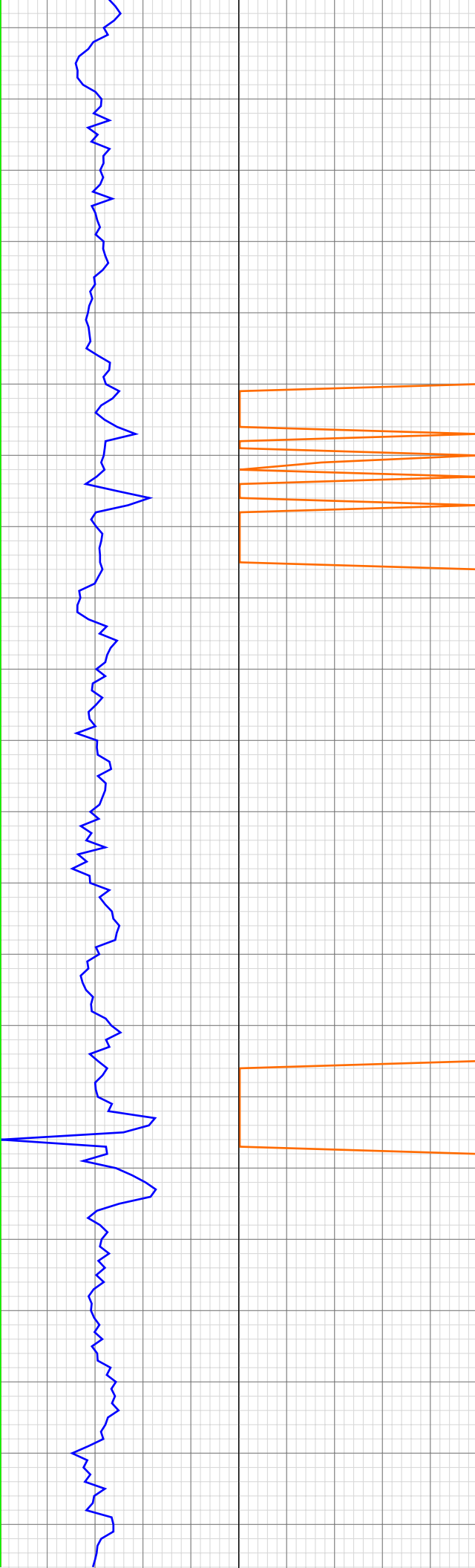
5420.80ft: Connection at 5419.6
SURVEY @5359 INC 21.9 AZI
284.8
5420.80ft: ZWOB from SideKick
sk-11-11-0402
5420.80ft: ZDiffPressure from
SideKick sk-11-11-0402
5420.80ft: AIR PARA 300

5461.61ft: MUD VIS 75.00
5462.01ft: MUD WEIGHT 9.00
5462.99ft: MUD PH 8.20
5466.08ft: SWEEP

5515.91ft: SURVEY @5454 INC 20.2
AZI 283.3
5515.91ft: Connection at 5514.7

5543.27ft: ZWOB from SideKick
sk-11-11-0402
5543.27ft: ZDiffPressure from
SideKick sk-11-11-0402

12:31 5560
12:33 5570
12:36 5580
12:38 5590
12:41 5600
12:44 5610
13:08 5620
13:17 5630
13:24 5640
13:26 5650
13:28 5660
13:30 5670
13:33 5680
13:35 5690
13:37 5700
13:53 5710
14:08 5720
14:11 5730
14:14 5740
14:15 5750
14:17 5760
14:19 5770



5565.95ft: SWEEP

5610.70ft: Connection at 5609.8
5610.70ft: SURVEY @5549 INC 21.4
AZI 286.8
5611.61ft: PUMPING OUT CELLAR

5635.70ft: ZWOB from SideKick
sk-11-11-0402
5635.70ft: ZDiffPressure from
SideKick sk-11-11-0402

5652.49ft: SWEEP

5705.81ft: MUD VIS 59.00
5705.81ft: MUD WEIGHT 8.90
5705.81ft: MUD PH 8.20
5705.81ft: SURVEY @5644 INC 21.1
AZI 282.6
5705.81ft: Connection at 5704.7
5713.19ft: AIR PARA 300
5718.50ft: ZDiffPressure from
SideKick sk-11-11-0402
5718.50ft: ZWOB from SideKick
sk-11-11-0402

5727.30ft: AIR PARA 400 SWEEP

14:22 5780
14:24 5790
14:26 5800
14:50 5810
15:14 5820
15:23 5830
15:25 5840
15:27 5850
15:29 5860
15:31 5870
15:33 5880
15:35 5890
15:53 5900
16:04 5910
16:15 5920
16:25 5930
16:28 5940
16:30 5950
16:32 5960
16:35 5970
16:37 5980
16:51 5990



5800.85ft: SURVEY @5739 INC 20.9
AZI 282.8
5800.85ft: MUD VIS 61.00
5800.85ft: MUD WEIGHT 8.95
5800.85ft: Connection at 5799.8
5800.85ft: MUD PH 8.30

5820.90ft: CALIBRATE MUD SCALE
AND FUNNEL VIS.
5821.49ft: ZWOB from SideKick
sk-11-11-0402
5821.49ft: ZDiffPressure from
SideKick sk-11-11-0402

5885.27ft: MUD VIS 57.00
5886.19ft: MUD WEIGHT 9.00
5886.19ft: MUD PH 8.50

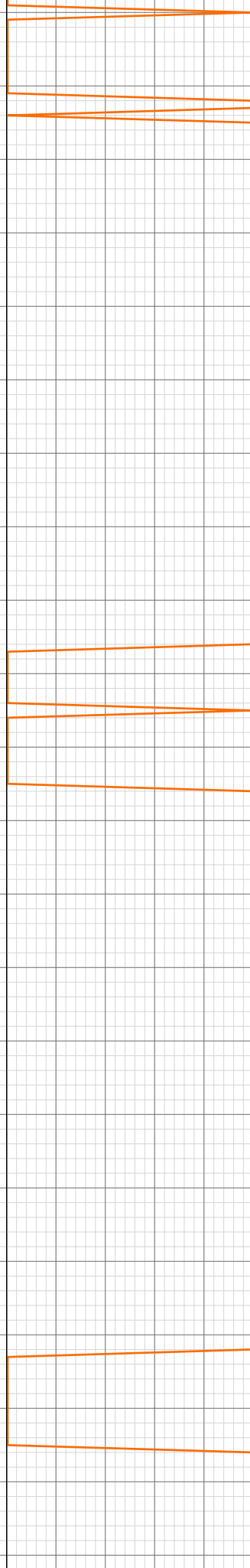
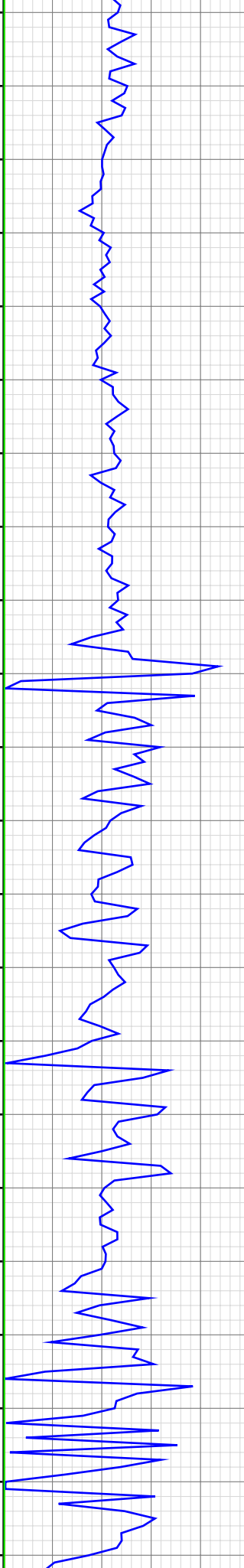
5895.51ft: SURVEY @5834 INC 20.3
AZI 282.1
5895.51ft: Connection at 5894.8

5926.02ft: ZWOB from SideKick
sk-11-11-0402
5926.02ft: ZDiffPressure from
SideKick sk-11-11-0402

5936.68ft: SWEEP

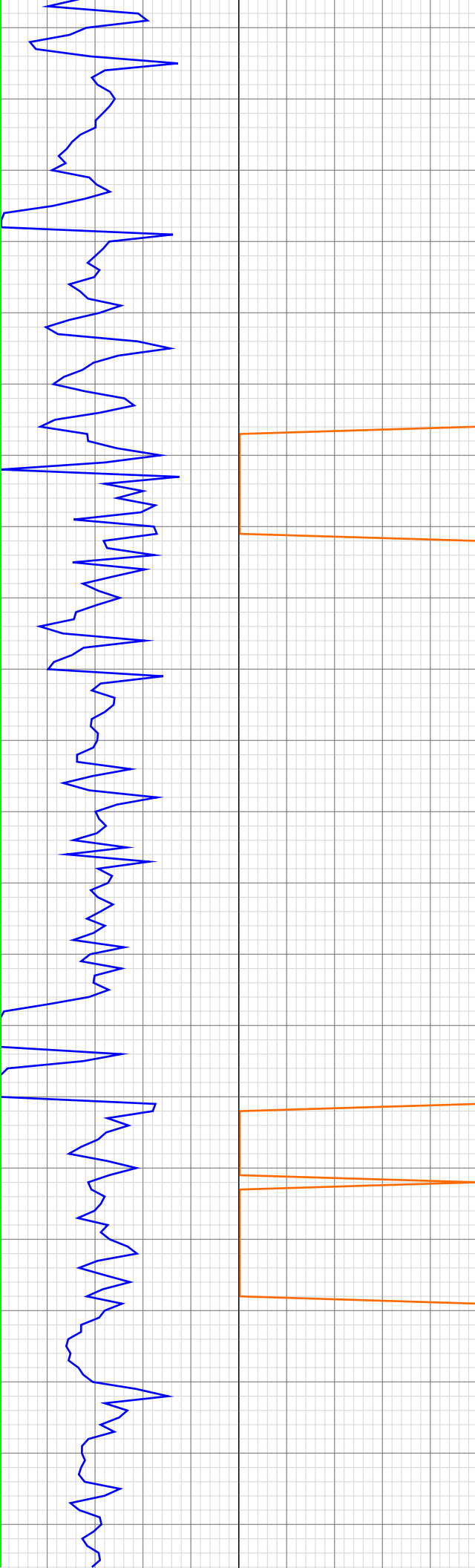
5990.85ft: Connection at 5990.0
5990.85ft: SURVEY @5929 INC 20.8
AZI 286.9

17:06 6000
17:17 6010
17:26 6020
17:29 6030
17:31 6040
17:33 6050
17:36 6060
17:39 6070
17:43 6080
18:29 6090
18:45 6100
18:53 6110
18:56 6120
18:58 6130
19:00 6140
19:02 6150
19:05 6160
19:07 6170
19:10 6180
19:33 6190
19:40 6200
19:45 6210



6001.51ft: AIR PARA 400
6014.70ft: ZDiffPressure from SideKick sk-11-11-0402
6014.70ft: ZWOB from SideKick sk-11-11-0402
6030.22ft: SWEEP
6058.27ft: MUD VIS 60.00
6058.86ft: MUD WEIGHT 8.90
6058.99ft: MUD PH 8.40
6086.32ft: RIG SERVICE
6086.32ft: SURVEY 6024 22.4 INC 285.1 AZI
6086.32ft: MUD VIS 58.00
6086.32ft: MUD WEIGHT 8.90
6086.32ft: MUD PH 8.40
6086.32ft: Connection at 6084.9
6086.32ft: 400 CFM PARASITE AIR
6105.32ft: ZDiffPressure from SideKick sk-11-11-0402
6105.32ft: ZWOB from SideKick sk-11-11-0402
6119.65ft: SWEEP
6181.40ft: SURVEY 6119 22.8 INC 286.2 AZI Connection at 6179.9
6181.40ft: MUD VIS 57.00
6181.40ft: MUD WEIGHT 8.90
6181.40ft: MUD PH 8.50
6181.40ft: ZDiffPressure from SideKick sk-11-11-0402
6195.74ft: ZDiffPressure from SideKick sk-11-11-0402
6200.20ft: SWEEP
6202.07ft: 600 CFM PARA

19:49 6220
19:51 6230
19:53 6240
19:55 6250
19:58 6260
20:01 6270
20:22 6280
20:38 6290
20:47 6300
20:49 6310
20:51 6320
20:54 6330
20:58 6340
21:01 6350
21:04 6360
21:06 6370
21:32 6380
21:41 6390
21:51 6400
21:54 6410
21:56 6420
21:58 6430



6276.61ft: SURVEY 6215 22.4 INC
285 AZI
6276.61ft: Connection at 6275.0
6276.61ft: ZDiffPressure from
SideKick sk-11-11-0402
6276.61ft: MUD VIS 57.00
6276.61ft: MUD WEIGHT 8.85

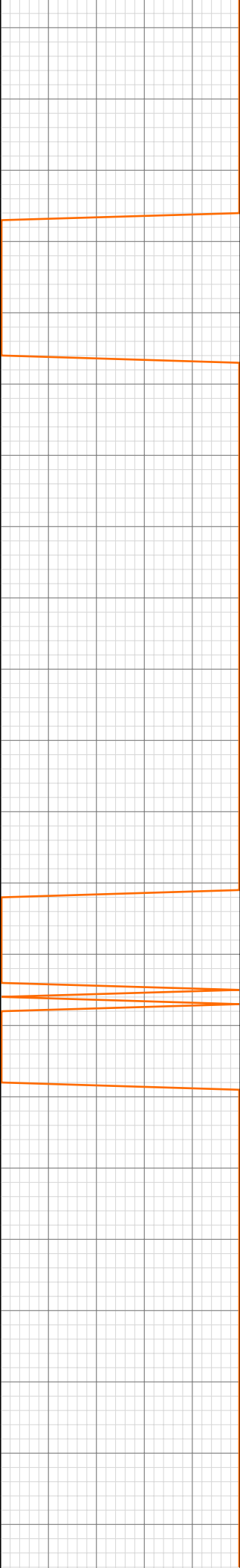
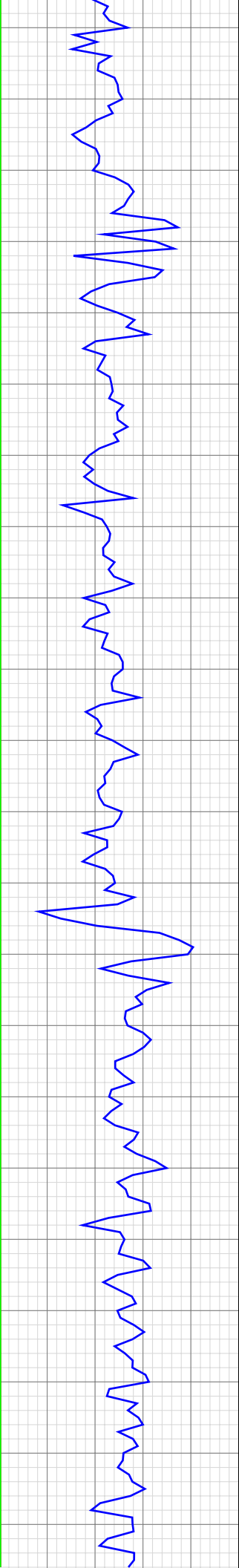
6291.80ft: ZDiffPressure from
SideKick sk-11-11-0402
6296.65ft: SWEEP 600 CFM PARA

6371.62ft: SURVEY 6310 21.3 INC
287.2 AZI
6371.62ft: Connection at 6370.2
6371.62ft: MUD VIS 53.00
6371.62ft: MUD WEIGHT 8.85
6371.62ft: ZDiffPressure from
SideKick sk-11-11-0402
6371.62ft: 800 CFM PARA
6378.94ft: 1000 CF PARA

6390.35ft: 1200 CFM PARA

6398.69ft: ZDiffPressure from
SideKick sk-11-11-0402
6398.69ft: ZWOB from SideKick
sk-11-11-0402
6404.82ft: SWEEP
6405.58ft: MUD VIS 55.00
6406.17ft: MUD WEIGHT 8.85
6407.05ft: MUD PH 8.50

22:02 6440
22:05 6450
22:08 6460
22:29 6470
22:39 6480
22:48 6490
22:50 6500
22:52 6510
22:55 6520
22:58 6530
23:01 6540
23:03 6550
23:05 6560
23:24 6570
23:35 6580
23:43 6590
23:45 6600
23:48 6610
23:50 6620
23:53 6630
23:57 6640
23:59 6650



6444.65ft: 1500 CFM PARA

6466.50ft: SURVEY 6405 23 INC
285 AZI
6466.50ft: Connection at 6465.3

6486.06ft: ZDiffPressure from
SideKick sk-11-11-0402

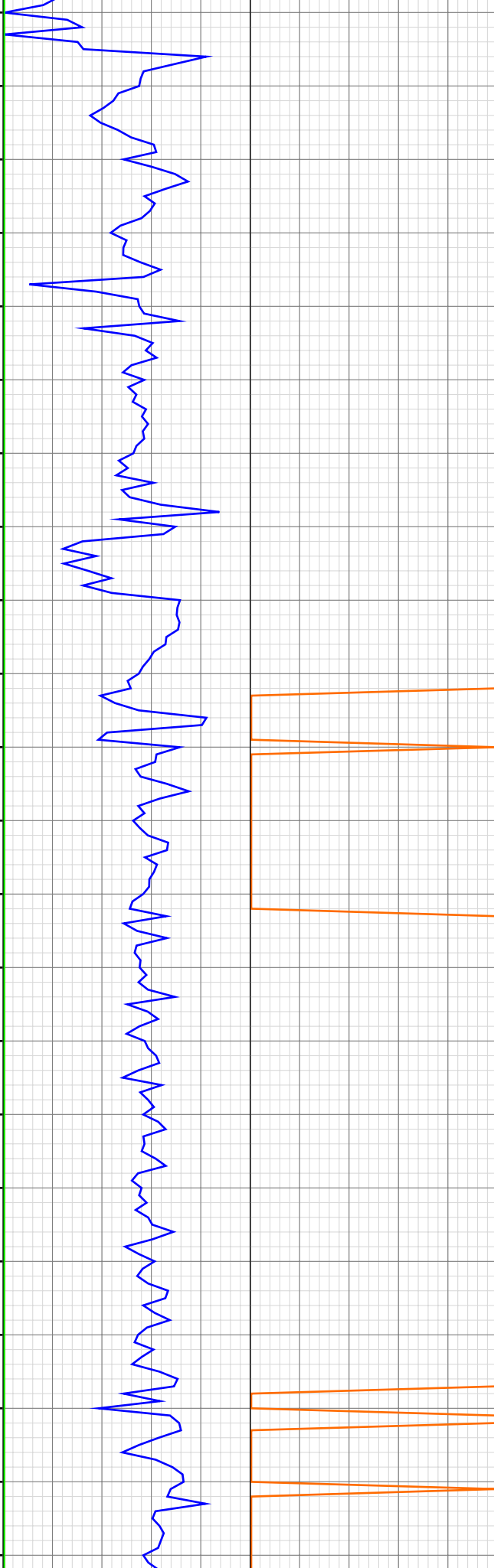
6518.80ft: SWEEP

6535.79ft: MUD VIS 58.00
6535.99ft: MUD WEIGHT 8.85

6561.75ft: SURVEY 6500 22.5 INC
288.9 AZI Connection at 6560.4
6561.75ft: 1800 CFM PARA
6561.75ft: ZDiffPressure from
SideKick sk-11-11-0402

6590.19ft: SWEEP

00:15 6660
00:20 6670
00:23 6680
00:25 6690
00:27 6700
00:31 6710
00:34 6720
00:38 6730
00:41 6740
00:43 6750
01:06 6760
01:16 6770
01:25 6780
01:31 6790
01:34 6800
01:38 6810
01:42 6820
01:45 6830
01:49 6840
02:06 6850
02:21 6860
02:34 6870



6657.09ft: SURVEY 6595 23.2
INC 288.3 AZI
6657.09ft: Connection at 6655.5
6659.25ft: SWEEP

6665.29ft: ZDiffPressure from
SideKick sk-11-11-0402

6708.99ft: 1800 CFM PARA

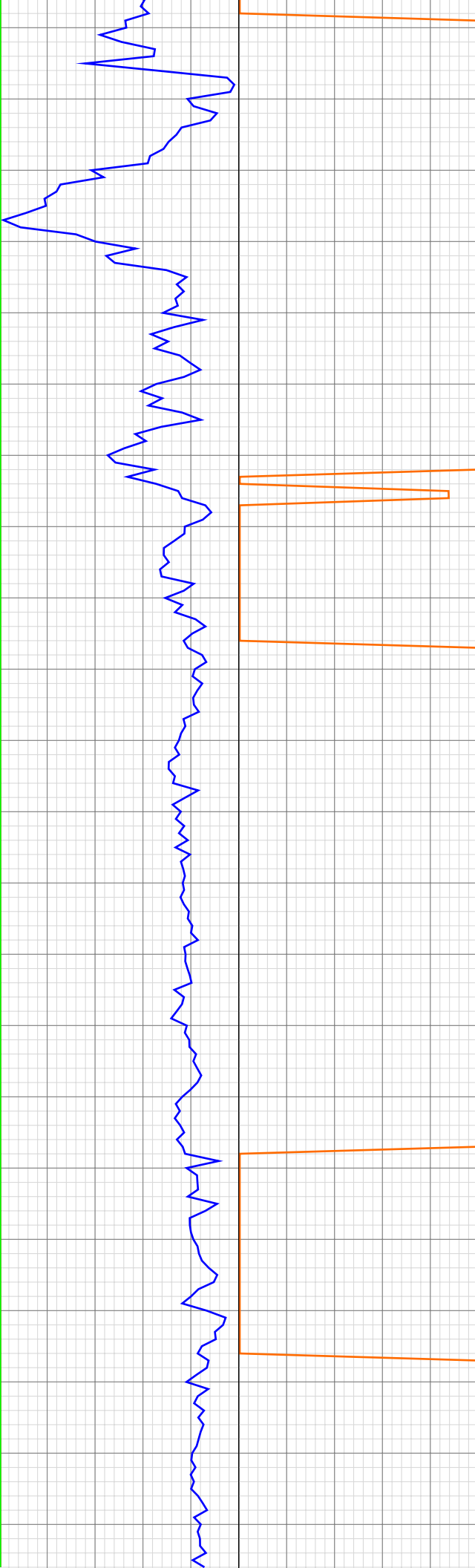
6752.56ft: SURVEY 6690 21.1 INC
287.1 AZI
6752.56ft: Connection at 6750.7
6752.56ft: ZDiffPressure from
SideKick sk-11-11-0402
6755.02ft: 2000 CFM PARA

6782.61ft: MUD VIS 55.00
6782.61ft: MUD WEIGHT 8.90
6783.07ft: SWEEP

6824.02ft: 2100 CFM PARA

6847.90ft: SURVEY 6785 20.6 INC
286.5 AZI
6847.90ft: Connection at 6845.8
6854.46ft: MUD VIS 56.00
6854.76ft: MUD WEIGHT 9.05

02:45 6880
02:47 6890
02:50 6900
02:52 6910
02:55 6920
02:58 6930
03:01 6940
03:31 6950
03:38 6960
03:47 6970
03:51 6980
03:53 6990
03:56 7000
03:59 7010
04:02 7020
04:06 7030
04:24 7040
04:35 7050
04:46 7060
04:56 7070
04:59 7080
05:02 7090



6878.02ft: SWEEP

6918.60ft: 2200 CFM PARA

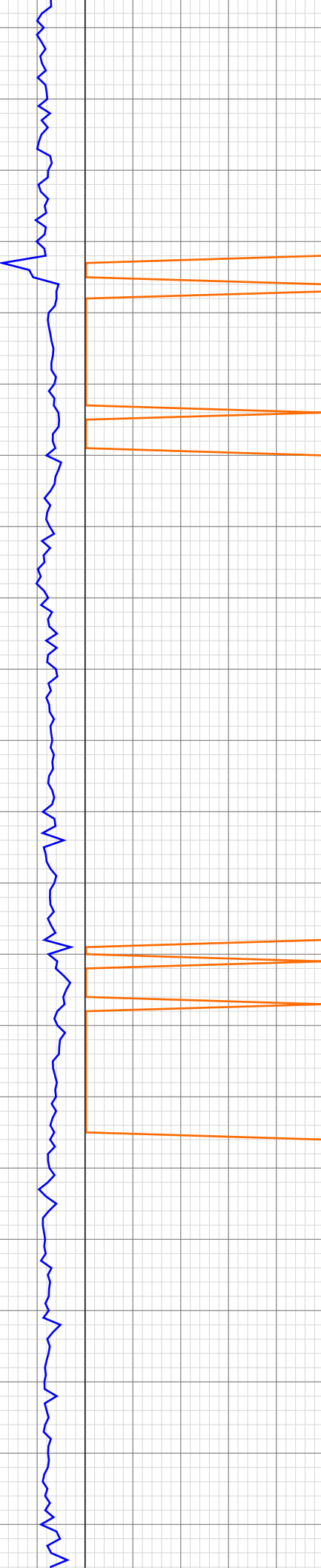
6939.99ft: TRANSFERRED 200.00
6942.85ft: SURVEY 6881 20.8 INC
285 AZI Connection at 6941.0
6942.85ft: PVT:Volume alarm muted
6942.85ft: 2400 CFM PARA
6945.08ft: MUD VIS 56.00
6945.18ft: MUD WEIGHT 9.20
6945.18ft: PVT:Volume alarm reactivated: un-muted
6945.18ft: 2700 CFM PARA

6961.88ft: 2900 CFM PARA
6966.27ft: ZDiffPressure from SideKick sk-11-11-0402
6972.61ft: SWEEP

7037.96ft: SURVEY 6976 20 IINC
287.6 AZI Connection at 7036.0
7037.96ft: 3100 CFM PARA
7044.59ft: MUD VIS 52.00
7044.82ft: MUD WEIGHT 9.25

7053.84ft: 3200 CFM PARA
7066.96ft: ZDiffPressure from SideKick sk-11-11-0402
7073.16ft: SWEEP

05:04 7100
05:07 7110
05:10 7120
05:13 7130
05:47 7140
05:58 7150
06:24 7160
06:26 7170
06:29 7180
06:32 7190
06:34 7200
06:38 7210
06:40 7220
07:04 7230
07:25 7240
07:36 7250
07:49 7260
07:52 7270
07:55 7280
07:58 7290
08:00 7300
08:02 7310



7132.91ft: SURVEY 7071 19.6 INC
284.2 AZI
7132.91ft: Connection at 7131.1
7132.91ft: ZDiffPressure from
SideKick sk-11-11-0402
7136.71ft: MUD VIS 52.00
7136.71ft: MUD WEIGHT 9.30

7159.68ft: ZDiffPressure from
SideKick sk-11-11-0402
7159.68ft: ZWOB from SideKick
sk-11-11-0402
7166.40ft: AIR PARA 3200 SWEEP

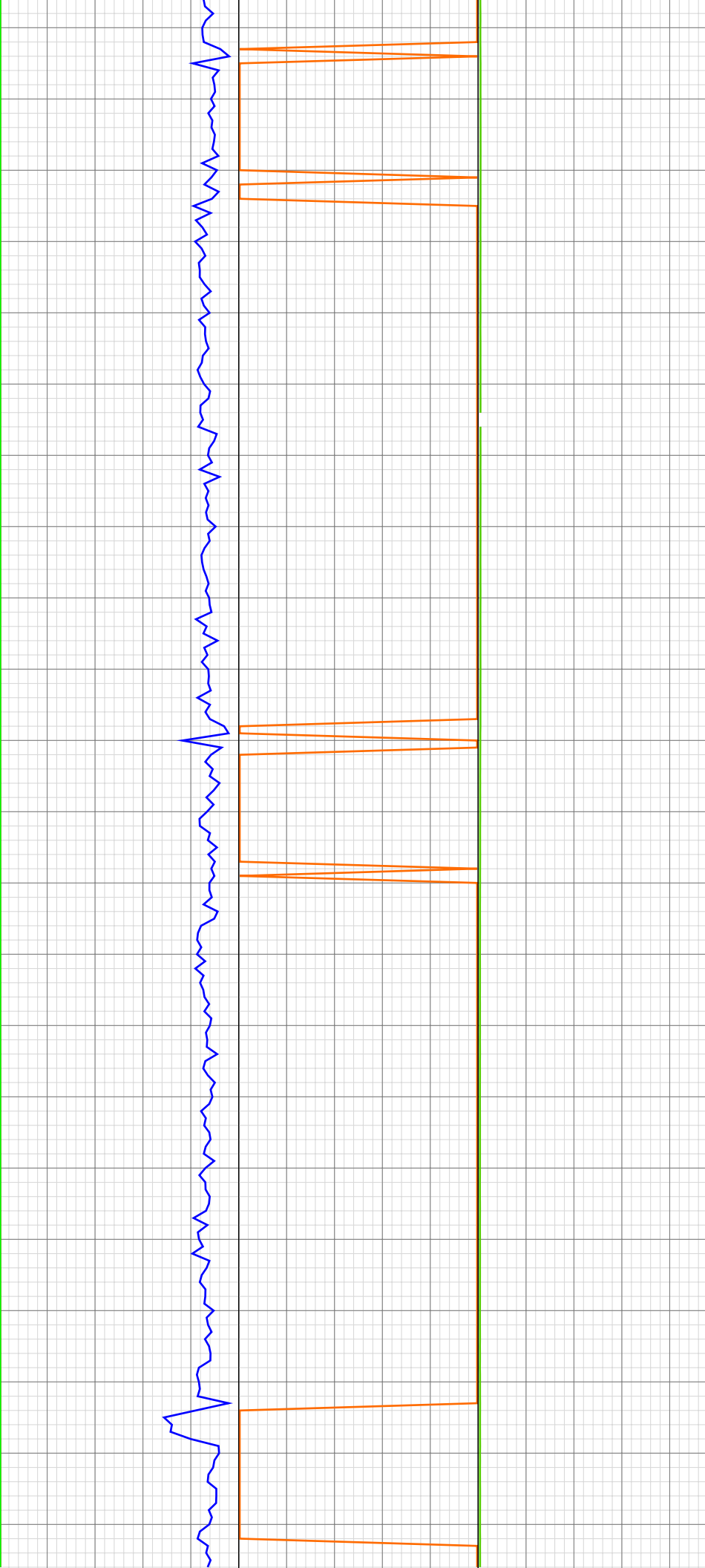
7228.02ft: Connection at 7226.1
7228.02ft: SURVEY @7166 INC 19.6
AZI 282.1
7229.82ft: MUD VIS 72.00
7229.89ft: MUD WEIGHT 9.40
7229.99ft: MUD PH 8.60

7255.25ft: ZWOB from SideKick
sk-11-11-0402
7255.25ft: ZDiffPressure from
SideKick sk-11-11-0402

7264.40ft: SWEEP

7291.99ft: MUD VIS 69.00
7293.73ft: MUD WEIGHT 9.40
7294.00ft: MUD PH 8.40
7298.20ft: TRANSFERRED 400.00

08:05 7320
08:33 7330
08:52 7340
09:00 7350
09:03 7360
09:06 7370
09:09 7380
09:12 7390
09:15 7400
09:17 7410
09:37 7420
09:52 7430
10:04 7440
10:07 7450
10:10 7460
10:13 7470
10:16 7480
10:18 7490
10:21 7500
10:24 7510
10:46 7520
10:54 7530



7322.15ft: AIR PARA 3200
7322.97ft: SURVEY @7261 INC 19.8
AZI 281.7
7322.97ft: Connection at 7321.2

7344.23ft: ZWOB from SideKick
sk-11-11-0402
7344.23ft: ZDiffPressure from
SideKick sk-11-11-0402
7350.43ft: SWEEP

7378.77ft: TEST LEL'S
7379.36ft: HGAS_020: LOCATION1
Low LEL Alarm
7379.36ft: HGAS_021: LOCATION1
High LEL Alarm
7379.82ft: HGAS_004: Horn Muted
7383.53ft: HGAS_023: LOCATION2
Low LEL Alarm
7383.53ft: HGAS_024: LOCATION2
High LEL Alarm
7383.99ft: HGAS_004: Horn Muted
7389.21ft: SWEEP

7417.85ft: SURVEY @7356 INC 20.4
AZI 284.9
7417.85ft: Connection at 7416.2
7417.85ft: MUD VIS 64.00
7417.85ft: MUD WEIGHT 9.45
7417.85ft: MUD PH 8.40

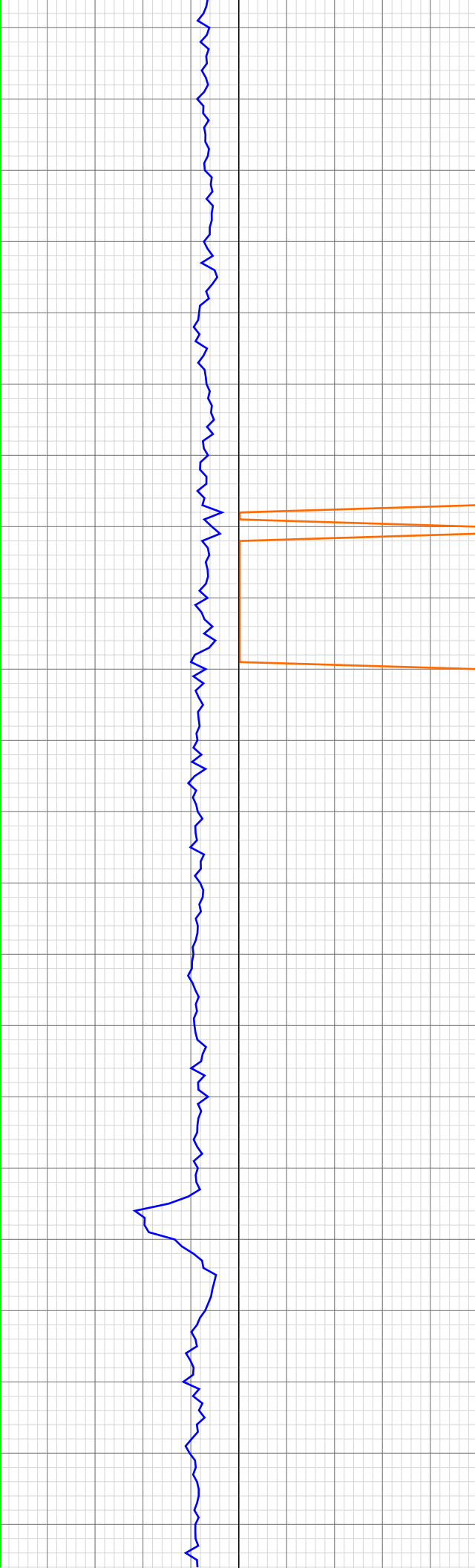
7439.34ft: AIR PARA 3200
7439.70ft: ZWOB from SideKick
sk-11-11-0402
7439.70ft: ZDiffPressure from
SideKick sk-11-11-0402
7441.34ft: SWEEP

7483.96ft: SWEEP

7512.60ft: Connection at 7511.2
7512.60ft: SURVEY @7451 INC 21.1
AZI 284.4

7532.22ft: ZWOB from SideKick
sk-11-11-0402
7532.22ft: ZDiffPressure from
SideKick sk-11-11-0402

11:00 7540
11:03 7550
11:07 7560
11:10 7570
11:14 7580
11:18 7590
11:21 7600
11:43 7610
12:01 7620
12:19 7630
12:21 7640
12:24 7650
12:27 7660
12:31 7670
12:34 7680
12:38 7690
12:41 7700
12:59 7710
13:03 7720
13:07 7730
13:10 7740
13:13 7750



SideKick SK-11-11-0402
7538.16ft: MUD VIS 59.00
7538.85ft: SWEEP
7539.01ft: MUD WEIGHT 9.50
7539.01ft: MUD PH 8.90

7571.13ft: SWEEP

7607.48ft: SURVEY @7546 INC 21.4
AZI 287.9 Connection at 7606.3

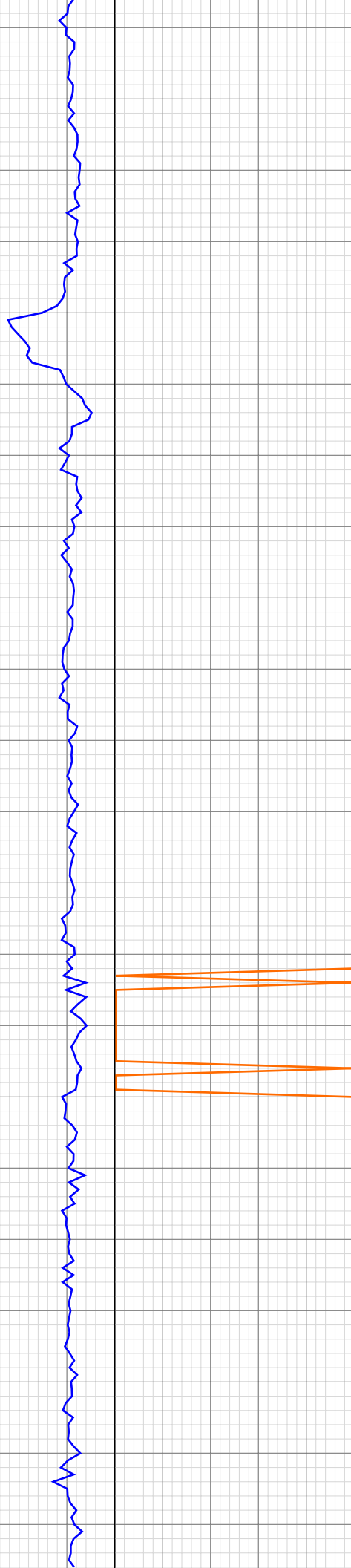
7619.03ft: AIR PARA 3200
7625.30ft: MUD VIS 60.00
7625.53ft: MUD WEIGHT 9.50
7625.53ft: MUD PH 8.90
7629.46ft: ZWOB from SideKick
sk-11-11-0402
7629.46ft: ZDiffPressure from
SideKick sk-11-11-0402
7629.46ft: SWEEP

7669.29ft: SWEEP

7702.56ft: Connection at 7701.7
7702.56ft: SURVEY @7641 INC 22.5
AZI 286.5
7702.56ft: ZWOB from SideKick
sk-11-11-0402
7702.56ft: ZDiffPressure from
SideKick sk-11-11-0402
7707.71ft: SWEEP

7750.39ft: MUD VIS 58.00
7750.98ft: MUD WEIGHT 9.55
7751.35ft: MUD PH 8.50

13:17 7760
13:20 7770
13:24 7780
13:28 7790
13:45 7800
13:49 7810
13:52 7820
13:58 7830
14:02 7840
14:06 7850
14:10 7860
14:13 7870
14:17 7880
14:21 7890
14:47 7900
15:12 7910
15:16 7920
15:19 7930
15:24 7950
15:26 7960
15:29 7970



7764.80ft: SWEEP

7797.61ft: Connection at 7796.7
7797.61ft: SURVEY @7736 INC 22.0
AZI 287.3
7797.61ft: ZWOB from SideKick
sk-11-11-0402
7797.61ft: ZDiffPressure from
SideKick sk-11-11-0402

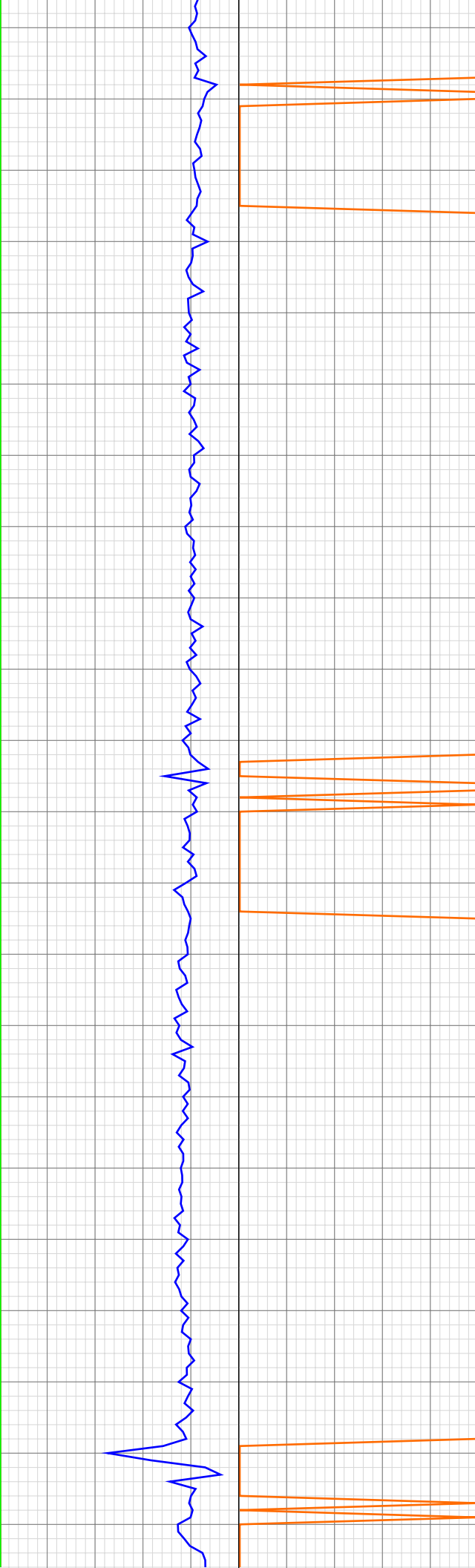
7829.53ft: AIR PARA 3200
7832.05ft: SWEEP

7892.42ft: Connection at 7891.9
7892.42ft: SURVEY @7831 INC 21.0
AZI 286.8
7898.82ft: MUD VIS 61.00
7898.98ft: MUD WEIGHT 9.55
7899.34ft: MUD PH 8.70

7909.12ft: ZWOB from SideKick
sk-11-11-0402
7909.12ft: ZDiffPressure from
SideKick sk-11-11-0402

7917.49ft: SWEEP

15:32 7980
16:16 7990
16:31 8000
16:45 8010
16:48 8020
16:52 8030
16:55 8040
16:59 8050
17:02 8060
17:06 8070
17:10 8080
17:46 8090
18:03 8100
18:14 8110
18:17 8120
18:20 8130
18:24 8140
18:26 8150
18:29 8160
18:33 8170
18:52 8180
19:15 8190



7987.66ft: RIG SERVICE
7987.66ft: AIR PARA 3200
7987.66ft: Connection at 7987.1
7987.66ft: SURVEY @7927 INC 18.8
AZI 285.8
7987.66ft: AIR PARA 3000
7988.12ft: MUD VIS 58.00
7988.42ft: MUD WEIGHT 9.60
7988.65ft: MUD PH 8.70

8005.48ft: ZWOB from SideKick
sk-11-11-0402
8005.48ft: ZDiffPressure from
SideKick sk-11-11-0402
8010.20ft: SWEEP

8030.48ft: SWEEP

8065.75ft: AIR PARA 2900

8083.01ft: Connection at 8082.2
8083.01ft: MUD VIS 63.00
8083.01ft: MUD WEIGHT 9.70
8083.01ft: MUD PH 8.80
8083.01ft: SURVEY @8022 INC 16.3
AZI 281.4
8089.57ft: AIR PARA 2800

8115.65ft: SWEEP

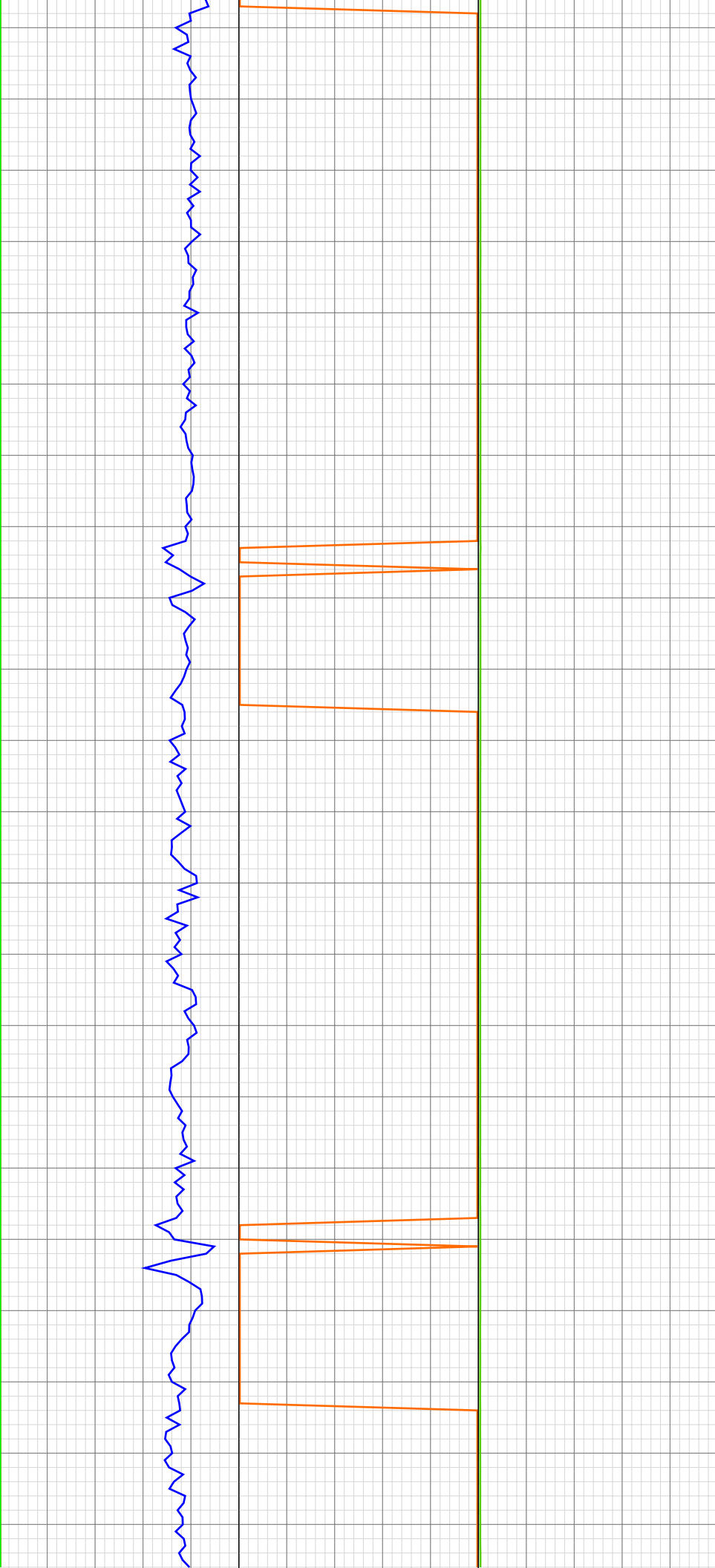
8133.99ft: MUD VIS 60.00
8134.02ft: MUD WEIGHT 9.70

8144.09ft: 2700 CFM PARA

8178.02ft: SURVEY 8117 13.8 INC
276.6 AZI
8178.02ft: Connection at 8177.5
8182.19ft: MUD VIS 61.00
8182.19ft: MUD WEIGHT 9.70

8190.72ft: 2800 CFM PARA

19:25 8200
19:28 8210
19:31 8220
19:35 8230
19:38 8240
19:41 8250
19:44 8260
19:48 8270
22:35 8280
22:45 8290
22:56 8300
23:02 8310
23:06 8320
23:11 8330
23:13 8340
23:16 8350
23:20 8360
23:37 8370
23:57 8380
Mar 17, 2013
00:06 8390
00:12 8400
00:15 8410



8198.33ft: SWEEP

8272.24ft: CIRCULATE
8272.90ft: MUD VIS 62.00
8272.90ft: MUD WEIGHT 9.70
8272.90ft: AIR BYPASSED
8272.90ft: FLOW CHECK
8272.90ft: WORKING ON BUSTER VALVE
8272.90ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
8272.90ft: MUD VIS 65.00
8272.90ft: MUD WEIGHT 9.70
8272.90ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
8272.90ft: PVT:Volume alarm muted
8272.90ft: START AIR PILLS
8272.90ft: MUD VIS 64.00
8272.90ft: MUD WEIGHT 9.70
8272.90ft: SURVEY 8212 11.2 INC 273.9 AZI
8272.90ft: Connection at 8272.3
8272.90ft: 2700 CFM PARA
8272.90ft: ZDiffPressure from SideKick sk-11-11-0402
8290.12ft: HGAS_020: LOCATION1 Low LEL Alarm
8290.12ft: HGAS_021: LOCATION1 High LEL Alarm
8290.42ft: HGAS_004: Horn Muted
8290.42ft: HGAS_005: System Test Performed: No Faults Detected
8295.57ft: ZDiffPressure from SideKick sk-11-11-0402
8295.57ft: SWEEP

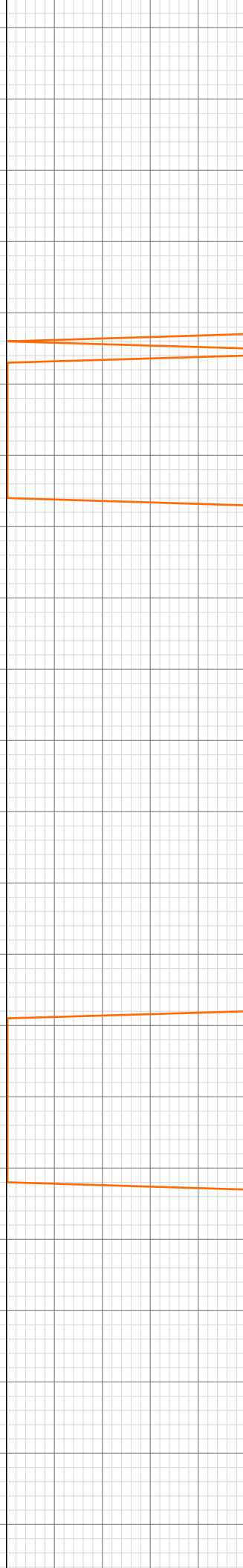
8337.99ft: MUD VIS 63.00
8338.62ft: MUD WEIGHT 9.70

8367.72ft: SURVEY 8307 8.7 INC 270.1 AZI
8367.72ft: Connection at 8367.3
8372.64ft: TRANSFERRED 200.00

8384.42ft: MUD VIS 62.00
8384.42ft: MUD WEIGHT 9.70
8387.24ft: TRANS COMP

8393.44ft: ZWOB from SideKick sk-11-11-0402
8393.44ft: SWEEP

00:17 8420
00:21 8430
00:24 8440
00:26 8450
00:30 8460
00:55 8470
01:07 8480
01:17 8490
01:20 8500
01:22 8510
01:25 8520
01:28 8530
01:31 8540
01:33 8550
01:52 8560
02:07 8570
02:20 8580
02:27 8590
02:30 8600
02:34 8610
02:38 8620
02:43 8630



8447.61ft: 2700 CFM PARA

8463.03ft: SURVEY 8402 6.3 INC
271.2 AZI
8463.03ft: Connection at 8462.2

8470.28ft: MUD VIS 64.00
8470.28ft: MUD WEIGHT 9.80
8471.56ft: PVT:Volume alarm
reactivated: un-muted

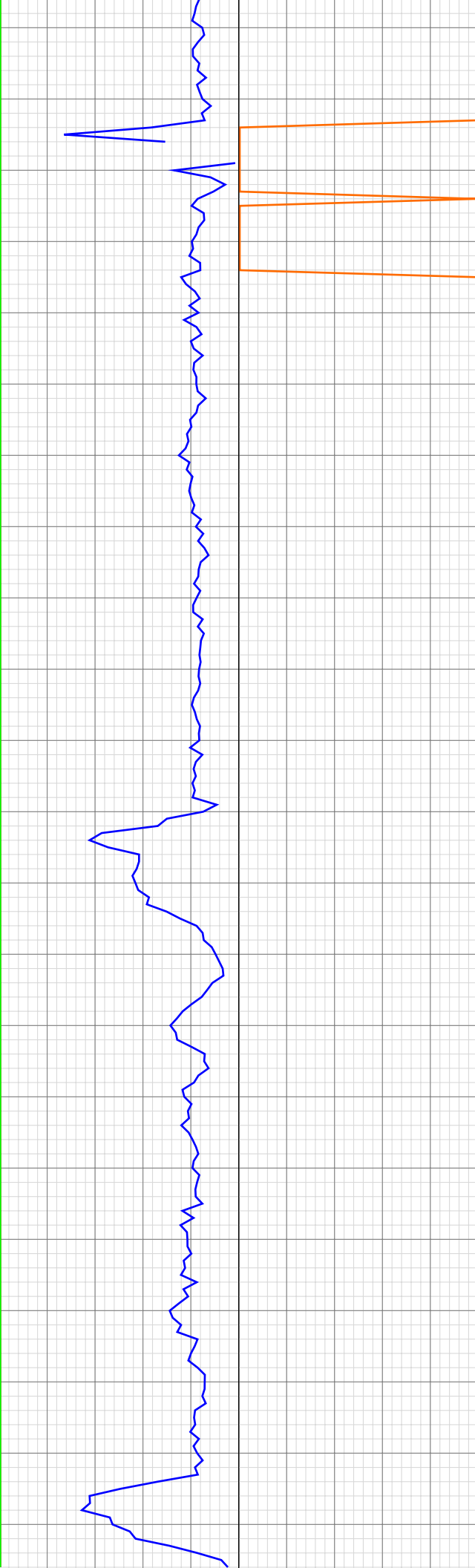
8486.38ft: ZDiffPressure from
SideKick sk-11-11-0402
8487.57ft: SWEEP

8558.14ft: 2800 CFM PARA SURVEY
8497 4.2 INC 271.7 AZI
8558.14ft: Connection at 8557.3

8566.44ft: MUD VIS 62.00
8566.57ft: MUD WEIGHT 9.90

8582.84ft: SWEEP

02:49 8640
02:54 8650
03:20 8660
03:33 8670
03:44 8680
03:47 8690
03:50 8700
03:53 8710
03:58 8720
04:06 8730
04:09 8740
04:26 8750
04:29 8760
04:31 8770
04:37 8780
04:42 8790
04:46 8800
04:50 8810
04:53 8820
04:58 8830
05:01 8840
05:24 8850



8653.08ft: SURVEY 8592 1.8 INC
255.7 AZI
8653.08ft: Connection at 8652.3

8661.09ft: 2800 CFM PARA
8664.01ft: MUD VIS 62.00
8664.01ft: MUD WEIGHT 9.95

8674.97ft: ZDiffPressure from
SideKick sk-11-11-0402
8674.97ft: SWEEP

8716.27ft: TRANSFERRED 300.00

8721.65ft: PVT:Volume alarm muted

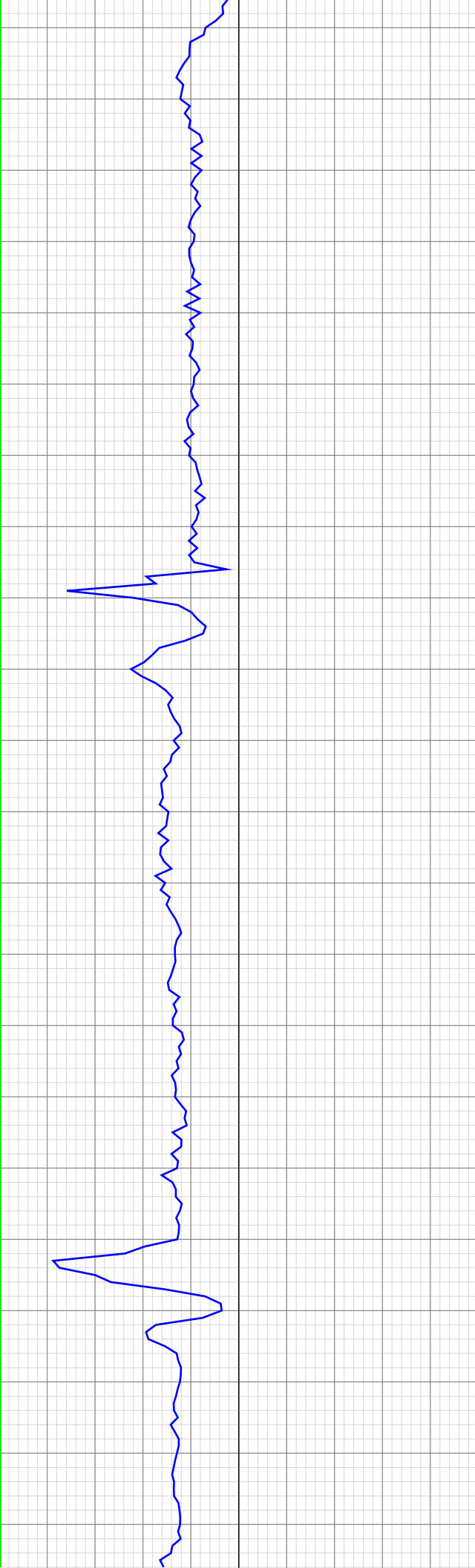
8748.20ft: SURVEY 8687 .5 INC
147.2 AZI
8748.20ft: Connection at 8747.2
8748.20ft: ZDiffPressure from
SideKick sk-11-11-0402

8770.57ft: SWEEP

8802.99ft: MUD VIS 60.00
8803.12ft: MUD WEIGHT 10.00

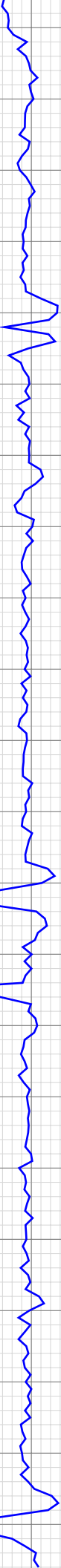
8810.86ft: PVT:Volume alarm
reactivated: un-muted
8823.85ft: 2900 CFM PARA
8843.08ft: Connection at 8841.9
8843.08ft: ZDiffPressure from
SideKick sk-11-11-0402
8852.33ft: SWEEP TRANSFER
FROM
8917.68ft: MUD VIS 62.00
8917.68ft: MUD WEIGHT 10.00
8930.45ft: 2900 CFM PARA
8936.98ft: MUD VIS 63.00
8936.98ft: MUD WEIGHT 10.00
8936.98ft: MUD PH 8.60
8936.98ft: TRANSFERRED 25.00
8936.98ft: AIR PARA 2900
8936.98ft: AIR BYPASSED
8936.98ft: L/D DRILL PIPE
8936.98ft: ZERO ALL PUMPS from
SideKick sk-11-11-0402
8936.98ft: FLOW CHECK
8936.98ft: NO FLOW
8936.98ft: PVT:Flow alarm
reactivated: un-muted

05:28 8860
05:31 8870
05:34 8880
05:37 8890
05:39 8900
05:42 8910
05:46 8920
05:51 8930
Mar 18, 2013
23:14 8940
23:20 8950
23:26 8960
23:30 8970
23:36 8980
23:41 8990
23:45 9000
23:52 9010
23:58 9020
Mar 19, 2013
00:17 9030
00:25 9040
00:31 9050
00:36 9060
00:45 9070



8936.98ft: MUD VIS 55.00
8936.98ft: MUD WEIGHT 10.00
8936.98ft: MUD VIS 53.00
8936.98ft: MUD WEIGHT 10.00
8936.98ft: TRANSFERRED 90.00
8936.98ft: RIG SERVICE
8936.98ft: MUD VIS 58.00
8936.98ft: MUD WEIGHT 9.95
8936.98ft: MUD VIS 60.00
8936.98ft: MUD WEIGHT 10.00
8936.98ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
8936.98ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
8936.98ft: MUD VIS 62.00
8936.98ft: MUD WEIGHT 10.00
8936.98ft: C/O SAVER SUB
8936.98ft: BIT DEPTH CHANGED TO 578.3 FEET
8936.98ft: MUD VIS 64.00
8936.98ft: MUD WEIGHT 10.00
8936.98ft: MUD VIS 60.00
8936.98ft: MUD WEIGHT 10.00
8936.98ft: FILL PIPE
8936.98ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
8936.98ft: BLOWING DOWN TOP DRIVE
8936.98ft: BIT DEPTH CHANGED TO 3151.5 FEET
8936.98ft: MUD VIS 56.00
8936.98ft: MUD WEIGHT 9.95
8936.98ft: TRANSFERRED 80.00
8936.98ft: FILL PIPE
8936.98ft: BLOW DOWN T.D
8936.98ft: TESTING LELS
8936.98ft: HGAS_021: LOCATION1 High LEL Alarm
8936.98ft: HGAS_004: Horn Muted
8936.98ft: HGAS_024: LOCATION2 High LEL Alarm
8936.98ft: HGAS_004: Horn Muted
8936.98ft: FILL PIPE
8936.98ft: TRANSFERRED 300.00
8936.98ft: FILL PIPE
8936.98ft: MUD VIS 59.00
8936.98ft: MUD WEIGHT 10.00
8936.98ft: BIT DEPTH CHANGED TO 6865.1 FEET
8936.98ft: BREAK CIRCULATION
8936.98ft: PVT:Flow alarm muted
8936.98ft: ZWOB from SideKick sk-11-11-0402
8936.98ft: ZDiffPressure from SideKick sk-11-11-0402
8936.98ft: AIR PARA 1600
8936.98ft: PVT:Flow alarm reactivated: un-muted
8936.98ft: PVT:Flow alarm muted
8936.98ft: AIR PARA 1800
8936.98ft: MUD VIS 50.00
8936.98ft: MUD WEIGHT 10.05
8936.98ft: PVT:Volume alarm muted
8936.98ft: AIR PARA 1800
8936.98ft: SWEEP
8936.98ft: MUD VIS 55.00
8936.98ft: MUD WEIGHT 10.00
8936.98ft: SWEEP
8936.98ft: PVT:Volume alarm reactivated: un-muted
8936.98ft: MUD VIS 55.00
8936.98ft: MUD WEIGHT 10.00
8936.98ft: MUD VIS 58.00
8936.98ft: MUD WEIGHT 10.00
8936.98ft: PARA CFM 1800
8936.98ft: HGAS_020: LOCATION1 Low LEL Alarm
8936.98ft: HGAS_005: System Test Performed: No Faults Detected
8936.98ft: HGAS_005: System Test Performed: No Faults Detected
8936.98ft: HGAS_005: System Test Performed: No Faults Detected
8936.98ft: HGAS_004: Horn Muted
8936.98ft: HGAS_005: System Test Performed: No Faults Detected
8936.98ft: PARA CFM 1800
8936.98ft: MUD VIS 61.00
8936.98ft: MUD WEIGHT 10.00
8936.98ft: PARA CFM 2000
8936.98ft: SWEEP
8936.98ft: BIT DEPTH CHANGED TO 8663.0 FEET
8936.98ft: MUD VIS 59.00
8936.98ft: MUD WEIGHT 10.00
8936.98ft: PARA CFM 2200
8936.98ft: SURVEY 8781 .4 INC 101 AZI
8936.98ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
8938.16ft: Connection at 8938.8
8938.16ft: SURVEY 8873 .4 INC 239.2 AZI
8938.16ft: MUD VIS 60.00
8938.16ft: MUD WEIGHT 10.00
8938.16ft: ZWOB from SideKick sk-11-11-0402
8938.16ft: ZDiffPressure from SideKick sk-11-11-0402
8938.25ft: SWEEP
8938.25ft: SWEEP
8938.25ft: IN TALLY: HOLE DEPTH SET TO 8937.0

00:52 9080
01:01 9090
01:07 9100
01:13 9110
01:19 9120
02:13 9130
02:17 9140
02:25 9150
02:33 9160
02:39 9170
02:45 9180
02:53 9190
03:02 9200
03:12 9210
03:38 9220
03:47 9230
03:55 9240
04:04 9250
04:12 9260
04:24 9270
04:32 9280
04:39 9290



8944.29ft: SWEEP PARA CFM 2300
9017.55ft: PARA CFM 2400
9030.22ft: SURVEY 8975 .3 INC
235.1 AZI
9030.22ft: Connection at 9030.7
9041.57ft: SWEEP
9042.45ft: MUD VIS 60.00
9042.45ft: MUD WEIGHT 10.00
9089.90ft: PARA CFM 2700

9122.18ft: SURVEY 9067 .5 INC
226.4 AZI
9122.18ft: MUD VIS 58.00
9122.18ft: MUD WEIGHT 10.00
9122.18ft: Connection at 9122.5
9122.18ft: ZWOB from SideKick
sk-11-11-0402
9122.18ft: ZDiffPressure from
SideKick sk-11-11-0402
9122.18ft: CLEANING OUT #2 MUD
PUMP /SCREEN
9122.18ft: ZDiffPressure from
SideKick sk-11-11-0402
9126.58ft: SWEEP
9129.00ft: MUD VIS 60.00
9129.07ft: MUD WEIGHT 10.00

9194.91ft: PARA CFM 2700

9212.30ft: MUD VIS 59.00
9212.30ft: MUD WEIGHT 10.00
9214.30ft: Connection at 9214.4
9214.30ft: SURVEY 9159 .7 INC
229.6 AZI
9214.30ft: ZWOB from SideKick
sk-11-11-0402
9214.30ft: ZDiffPressure from
SideKick sk-11-11-0402
9226.02ft: SWEEP
9228.87ft: TRANSFERRED 200.00

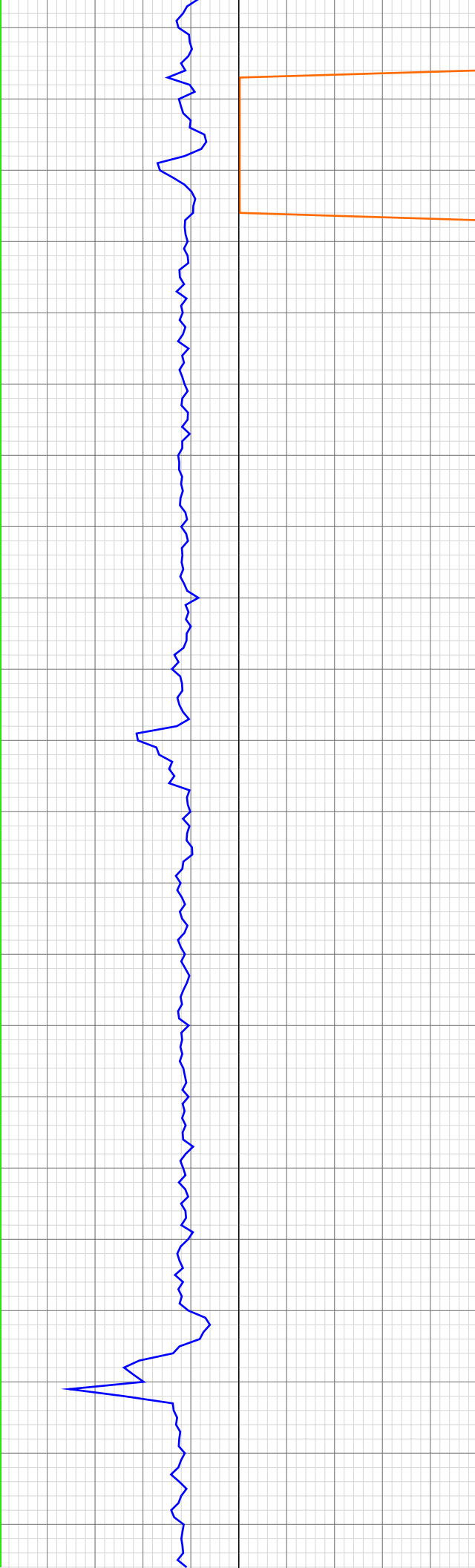
9233.63ft: PVT:Volume alarm muted

9261.52ft: PVT:Volume alarm
reactivated: un-muted

9273.10ft: MUD VIS 60.00
9273.39ft: MUD WEIGHT 10.05

9279.13ft: SWEEP

04:49 9300
05:19 9310
05:29 9320
05:41 9330
05:47 9340
05:51 9350
05:57 9360
06:03 9370
06:10 9380
06:15 9390
06:36 9400
06:44 9410
06:51 9420
07:03 9430
07:10 9440
07:15 9450
07:21 9460
07:27 9470
07:31 9480
07:52 9490
07:57 9500
08:02 9510



9306.30ft: PARA CFM 2700
9306.30ft: Connection at 9306.1
9306.30ft: SURVEY 9251 .9INC
238.9 AZI

9326.12ft: ZDiffPressure from
SideKick sk-11-11-0402

9332.38ft: SWEEP

9352.82ft: MUD VIS 58.00
9354.76ft: MUD WEIGHT 10.00

9398.33ft: Connection at 9398.1
9398.33ft: SURVEY @9343 INC 0.3
AZI 341.8
9398.33ft: ZWOB from SideKick
sk-11-11-0402
9398.33ft: ZDiffPressure from
SideKick sk-11-11-0402

9408.04ft: SWEEP

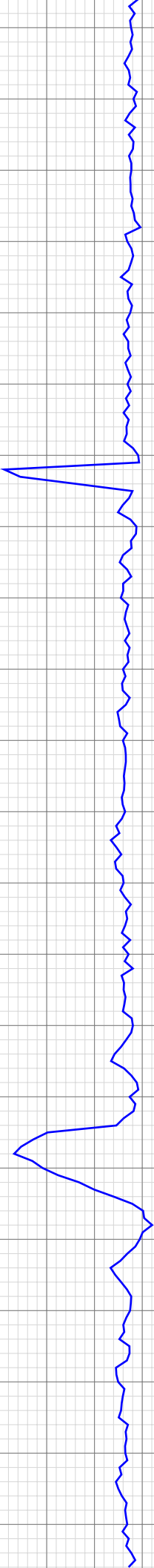
9423.85ft: AIR PARA 2700
9426.02ft: ZWOB from SideKick
sk-11-11-0402
9426.02ft: ZDiffPressure from
SideKick sk-11-11-0402

9452.79ft: PUMP CATCH TANKIN TO
ACTIVE

9484.35ft: MUD VIS 55.00
9484.35ft: MUD WEIGHT 10.10
9484.71ft: MUD PH 8.70
9490.22ft: Connection at 9490.0
9490.22ft: SURVEY @9434 INC 0.4
AZI 290.0
9490.22ft: ZWOB from SideKick
sk-11-11-0402
9490.22ft: ZDiffPressure from
SideKick sk-11-11-0402
9497.83ft: SWEEP

9507.38ft: AIR PARA 2600

08:08 9520
08:15 9530
08:24 9540
08:29 9550
08:35 9560
08:40 9570
08:46 9580
09:09 9590
09:13 9600
09:18 9610
09:23 9620
09:27 9630
09:31 9640
09:35 9650
09:40 9660
09:47 9670
10:06 9680
10:11 9690
10:18 9700
10:25 9710
10:31 9720
10:38 9730



9576.25ft: AIR PARA 2500
9581.99ft: SURVEY @9526 INC 0.3
AZI 279.0
9581.99ft: Connection at 9581.8
9581.99ft: ZWOB from SideKick
sk-11-11-0402
9581.99ft: ZDiffPressure from
SideKick sk-11-11-0402
9586.91ft: SWEEP

9594.65ft: TESTING LEL
9598.16ft: HGAS_021: LOCATION1
High LEL Alarm
9598.46ft: HGAS_004: Horn Muted
9602.33ft: HGAS_023: LOCATION2
Low LEL Alarm
9602.33ft: HGAS_024: LOCATION2
High LEL Alarm
9602.62ft: HGAS_004: Horn Muted

9618.67ft: MUD VIS 55.00
9619.06ft: MUD WEIGHT 10.10
9619.36ft: MUD PH 8.70

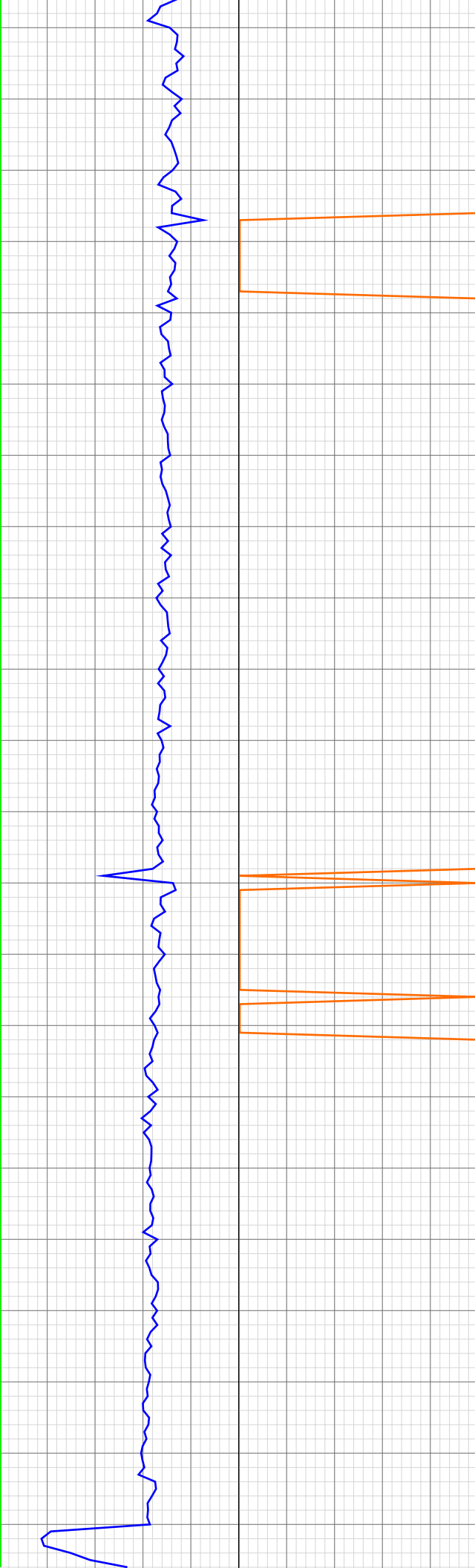
9626.58ft: AIR PARA 2400

9674.25ft: SURVEY @9618 INC 0.3
AZI 244.0
9674.25ft: Connection at 9673.9
9674.25ft: ZWOB from SideKick
sk-11-11-0402
9674.25ft: ZDiffPressure from
SideKick sk-11-11-0402

9689.53ft: SWEEP

9702.95ft: MUD VIS 58.00
9702.95ft: MUD WEIGHT 10.10
9702.95ft: MUD PH 8.80

10:46 9740
10:53 9750
11:00 9760
11:27 9770
11:55 9780
11:59 9790
12:04 9800
12:08 9810
12:14 9820
12:19 9830
12:23 9840
12:27 9850
12:55 9860
13:12 9870
13:31 9880
13:40 9890
13:45 9900
13:51 9910
13:55 9920
14:01 9930
14:06 9940
14:11 9950



9766.08ft: SURVEY @9710 INC 0.9
AZI 202.3
9766.08ft: Connection at 9765.8
9767.65ft: AIR PARA 2400

9778.67ft: ZWOB from SideKick
sk-11-11-0402
9778.67ft: ZDiffPressure from
SideKick sk-11-11-0402
9778.67ft: SWEEP

9835.37ft: AIR PARA 2300

9858.04ft: MUD VIS 58.00
9858.04ft: MUD WEIGHT 10.10
9858.04ft: MUD PH 8.60
9858.04ft: SURVEY @9802 INC 0.5
AZI 218.7
9858.04ft: Connection at 9857.6
9862.60ft: AIR PARA 2200

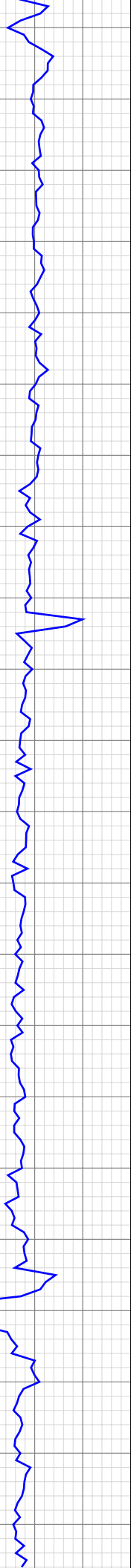
9881.40ft: ZWOB from SideKick
sk-11-11-0402
9881.40ft: ZDiffPressure from
SideKick sk-11-11-0402

9891.24ft: SWEEP

9936.29ft: AIR PARA 2100

9950.33ft: RIG SERVICE
9950.33ft: Connection at 9949.4
SURVEY @9894 INC 1.1 AZI 344.3
9950.33ft: ZWOB from SideKick
sk-11-11-0402
9950.33ft: ZDiffPressure from

14:52 9960
14:58 9970
15:08 9980
15:16 9990
15:22 10000
15:28 10010
15:35 10020
15:45 10030
16:00 10040
16:38 10050
16:52 10060
16:58 10070
17:03 10080
17:08 10090
17:12 10100
17:17 10110
17:26 10120
17:34 10130
17:53 10140
17:59 10150
18:04 10160
18:10 10170



9950.33ft: ZDiffPressure from SideKick sk-11-11-0402
9958.60ft: SWEEP

9971.72ft: AIR PARA 2000

10013.06ft: MUD VIS 57.00
10013.19ft: MUD WEIGHT 10.20
10013.48ft: MUD PH 8.80
10018.87ft: AIR PARA 1900

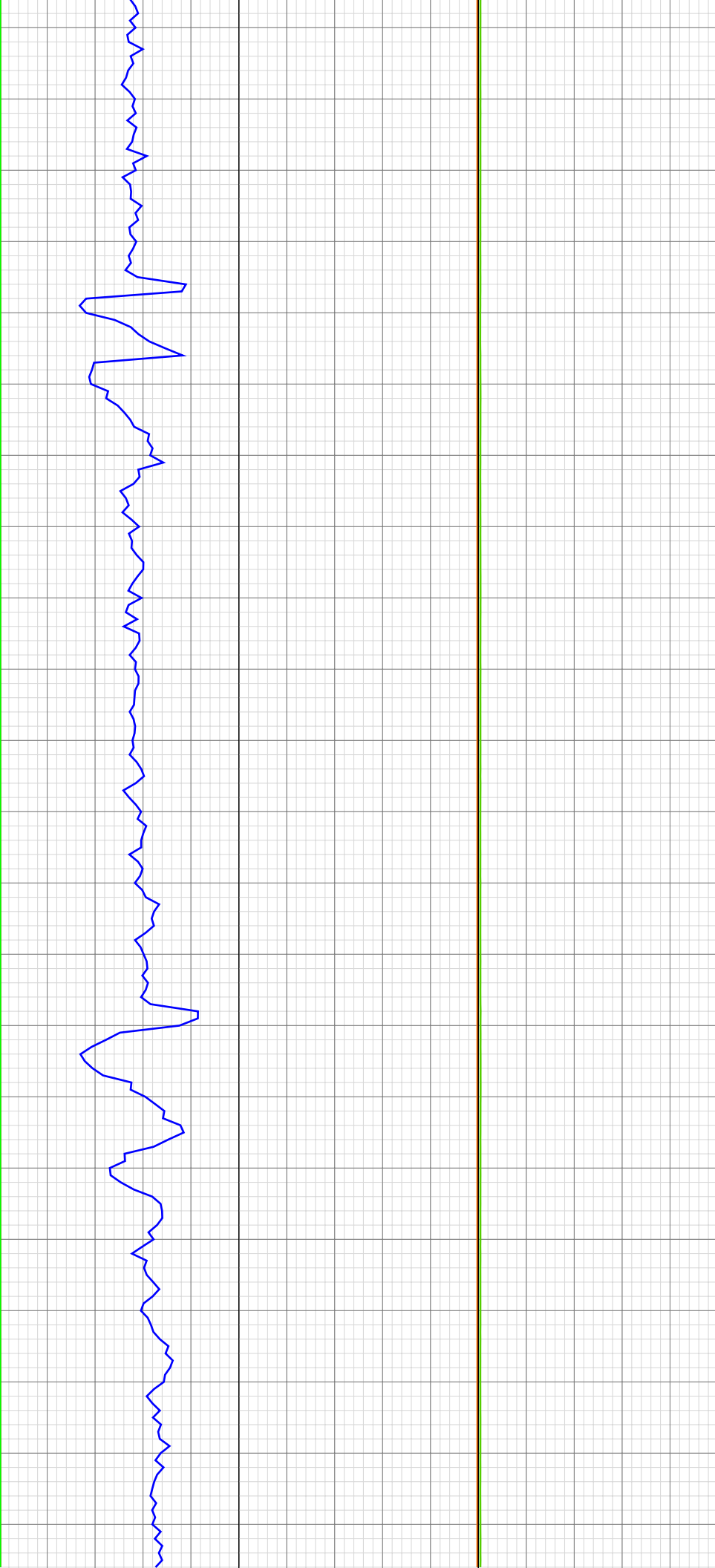
10042.13ft: SURVEY @9986 INC 1.1 AZI 303.1
10042.13ft: Connection at 10041.4
10042.13ft: MUD VIS 56.00
10042.13ft: MUD WEIGHT 10.30
10042.13ft: MUD PH 8.80
10042.13ft: ZDiffPressure from SideKick sk-11-11-0402
10044.75ft: AIR PARA 1800
10054.13ft: ZWOB from SideKick sk-11-11-0402
10054.13ft: ZDiffPressure from SideKick sk-11-11-0402
10054.13ft: SWEEP

10089.34ft: AIR PARA 1700

10105.02ft: MUD VIS 57.00
10105.32ft: MUD WEIGHT 10.30

10123.66ft: AIR PARA 1800
10134.02ft: SURVEY 10078 1.3 INC 3.2 AZI
10134.02ft: Connection at 10133.2
10134.02ft: ZWOB from SideKick sk-11-11-0402
10134.02ft: ZDiffPressure from SideKick sk-11-11-0402
10134.02ft: SWEEP

18:15 10180
18:20 10190
18:26 10200
18:33 10210
18:42 10220
19:05 10230
19:10 10240
19:15 10250
19:22 10260
19:29 10270
19:35 10280
19:48 10290
20:10 10300
20:16 10310
20:38 10320
20:44 10330
20:50 10340
20:57 10350
21:05 10360
21:12 10370
21:19 10380
21:23 10390



10176.18ft: SWEEP
10179.99ft: MUD VIS 58.00
10180.05ft: MUD WEIGHT 10.30

10208.10ft: TRANSFERRED 100.00

10226.02ft: SURVEY 10169 .9 INC
342.1 AZI
10226.02ft: Connection at 10225.0

10234.81ft: SWEEP

10255.38ft: MUD VIS 57.00
10255.38ft: MUD WEIGHT 10.30

10276.44ft: B.O.P DRILL@10275'

10299.41ft: PARA CFM 1900

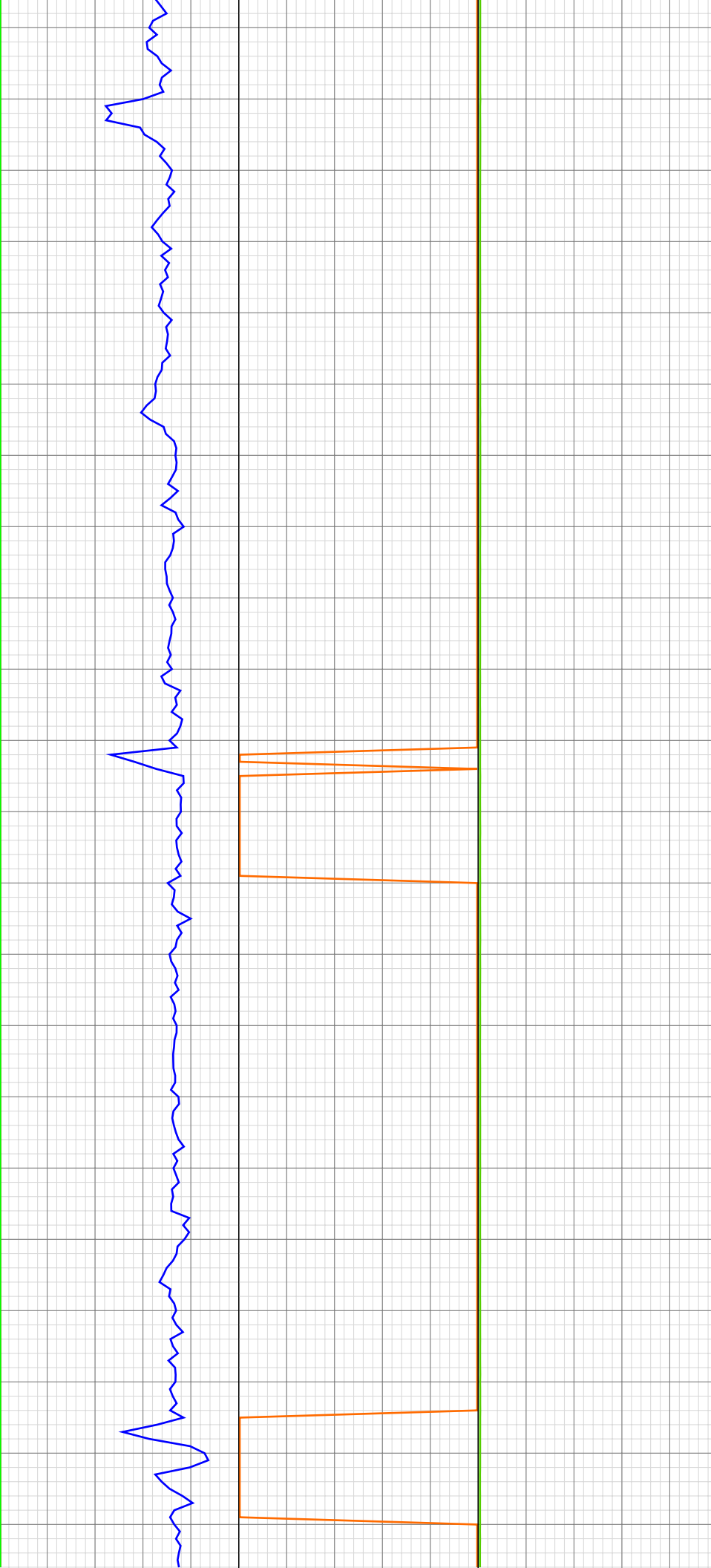
10311.71ft: MUD VIS 60.00
10312.01ft: MUD WEIGHT 10.30

10317.91ft: Connection at 10316.8
10317.91ft: SURVEY 10261 1 INC
324.2 AZI

10348.26ft: SWEEP

10358.40ft: PARA CFM 2100

21:29 10400
21:56 10410
22:03 10420
22:10 10430
22:18 10440
22:23 10450
22:30 10460
22:37 10470
22:43 10480
22:49 10490
22:55 10500
23:28 10510
23:40 10520
23:47 10530
23:53 10540
23:59 10550
00:05 10560
00:10 10570
00:16 10580
00:22 10590
00:42 10600
00:59 10610



10409.71ft: SURVEY 10353 .8 INC
308.6 AZI
10409.71ft: Connection at 10408.8
10409.71ft: I BOP TEST BY KODE 8
KLUCK
10409.71ft: ZDiffPressure from
SideKick sk-11-11-0402
10412.40ft: PARA CFM 2200

10424.34ft: SWEEP

10451.51ft: MUD VIS 59.00
10451.51ft: MUD WEIGHT 10.35

10464.24ft: PARA CFM 2300

10501.94ft: Connection at 10500.7
SURVEY 10445 1 INC 274.5 AZI
10501.94ft: ZDiffPressure from
SideKick sk-11-11-0402

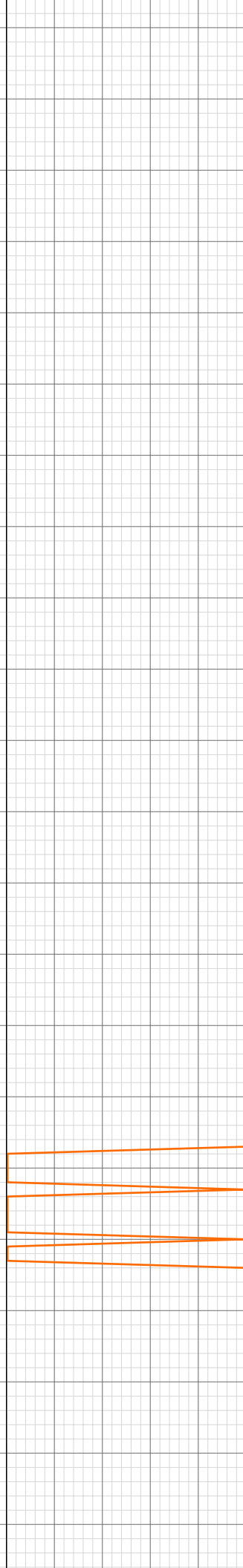
10519.88ft: SWEEP

10593.44ft: MUD VIS 60.00
10593.44ft: MUD WEIGHT 10.40
10594.03ft: Connection at 10592.5
10594.03ft: SURVEY 10537 .5 INC
340. AZI

10609.42ft: ZDiffPressure from
SideKick sk-11-11-0402
10610.24ft: SWEEP

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01:08 10620
01:14 10630
01:19 10640
01:25 10650
01:32 10660
01:37 10670
01:43 10680
02:02 10690
02:07 10700
02:12 10710
02:17 10720
02:22 10730
02:27 10740
02:32 10750
02:38 10760
02:44 10770
03:06 10780
03:39 10790
03:48 10800
03:53 10810
03:58 10820
04:03 10830



10622.18ft: PARA CFM 2300

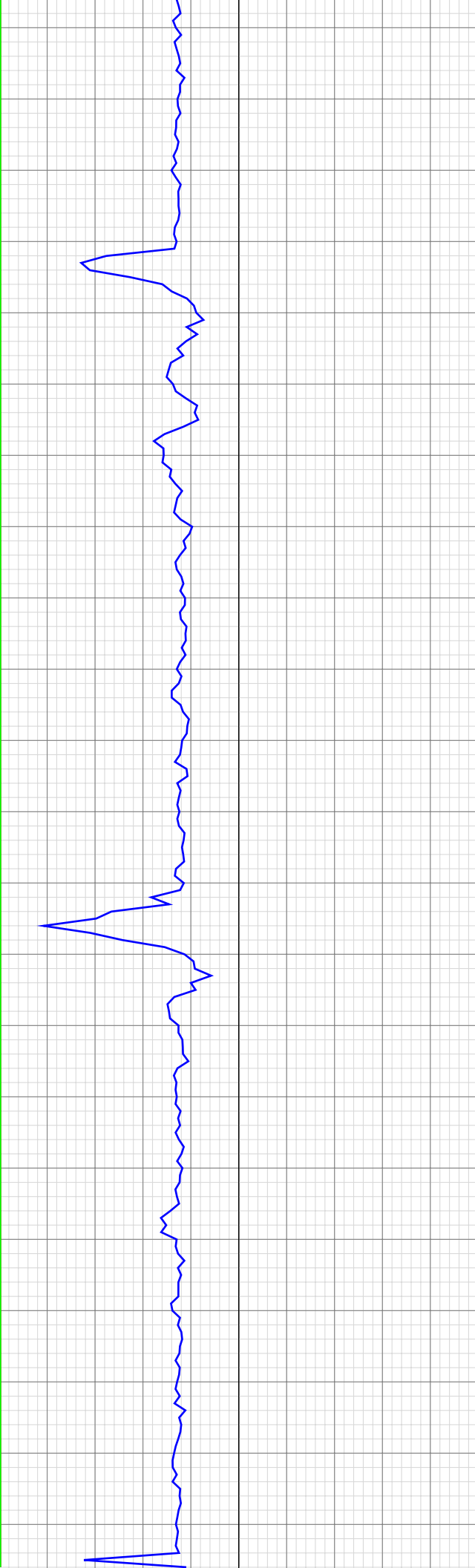
10681.23ft: MUD VIS 57.00
10681.23ft: MUD WEIGHT 10.40
10685.79ft: Connection at 10684.4
SURVEY 10721 .7 INC 355.3
AZI
10685.79ft: ZDiffPressure from
SideKick sk-11-11-0402
10685.79ft: SURVEY CORRECT
DEPTH 10629 .7 INC 355.3 AZI

10699.74ft: SWEEP

10777.92ft: Connection at 10776.2
10777.92ft: MUD VIS 59.00
10777.92ft: MUD WEIGHT 10.40
10777.92ft: SURVEY 10721 .6 INC
321 AZI

10793.80ft: SWEEP

04:08 10840
04:13 10850
04:18 10860
04:22 10870
04:43 10880
04:48 10890
04:54 10900
05:01 10910
05:10 10920
05:18 10930
05:25 10940
05:31 10950
05:39 10960
05:59 10970
06:06 10980
06:13 10990
06:20 11000
06:25 11010
06:32 11020
06:42 11030
06:52 11040
07:03 11050



10870.18ft: Connection at 10868.1
10870.18ft: SURVEY 10813 .9 INC
26.7 AZI
10870.18ft: PARA CFM 2300
10870.18ft: ZDiffPressure from
SideKick sk-11-11-0402
10872.34ft: MUD VIS 60.00
10872.34ft: MUD WEIGHT 10.45

10891.44ft: SWEEP

10939.17ft: MUD VIS 57.00
10939.17ft: MUD WEIGHT 10.50

10961.94ft: Connection at 10960.0
10961.94ft: SURVEY @10905 INC .4
AZ 351.1
10961.94ft: ZWOB from SideKick
sk-11-11-0402

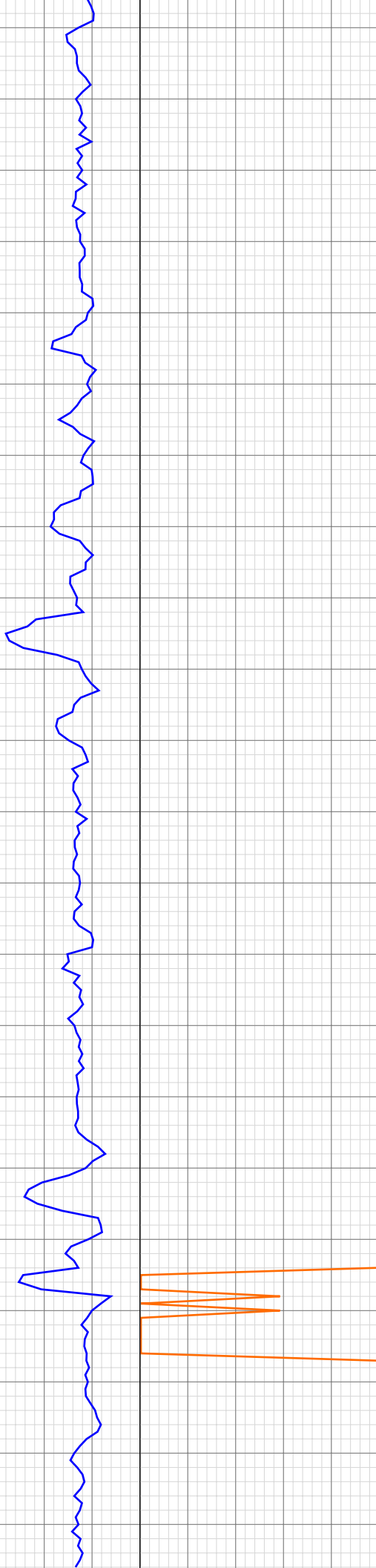
10980.64ft: SWEEP

11013.48ft: AIR PARA 2300

11034.74ft: PUMP OUT DRYER
SHAKERS

11044.59ft: MUD WEIGHT 10.45
11045.54ft: MUD VIS 0.60
11048.46ft: ADDING DEFOAMER
11052.76ft: SWEEP
11054.13ft: 10' FLARE
11054.13ft: MUD WEIGHT 10.55
11054.13ft: MUD VIS 0.60
11054.13ft: Connection at 11052.0

08:17 11060
08:25 11070
08:37 11080
08:47 11090
08:56 11100
09:04 11110
09:13 11120
09:22 11130
09:33 11140
10:03 11150
10:10 11160
10:23 11170
10:37 11180
10:46 11190
10:55 11200
11:04 11210
11:11 11220
11:21 11230
12:07 11240
12:27 11250
12:35 11260
12:43 11270



SURVEY @ 10997 INC 0.1 AZI 316.0
11054.13ft: ZWOB from SideKick sk-11-11-0402
11054.13ft: ZDiffPressure from SideKick sk-11-11-0402
11054.99ft: IN TALLY: HOLE DEPTH SET TO 11052.0
11060.66ft: AIR PARA 2300

11080.22ft: TEST LELS
11081.40ft: HGAS_021: LOCATION1 High LEL Alarm
11081.40ft: HGAS_004: Horn Muted
11083.66ft: HGAS_024: LOCATION2 High LEL Alarm
11084.02ft: HGAS_004: Horn Muted

11105.58ft: MUD WEIGHT 10.60
11105.87ft: MUD VIS 0.61

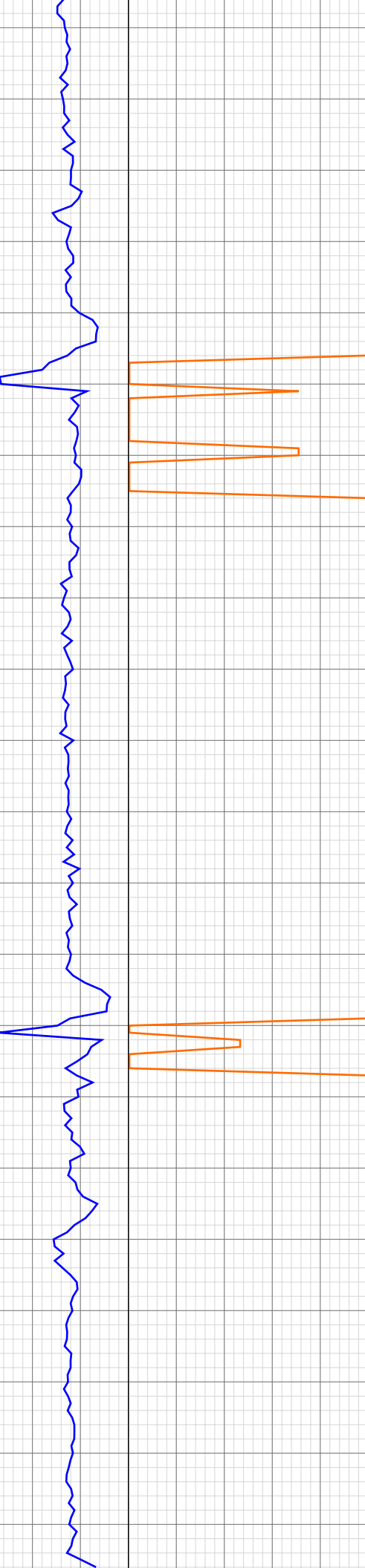
11142.88ft: SURVEY @ 11088 INC 0.3 AZI 260.7
11142.88ft: Connection at 11143.9
11142.88ft: ZWOB from SideKick sk-11-11-0402
11142.88ft: ZDiffPressure from SideKick sk-11-11-0402
11146.69ft: MUD WEIGHT 10.60
11147.01ft: MUD VIS 0.60
11150.33ft: MUD VIS 60.00
11154.72ft: SWEEP

11170.83ft: AIR PARA 2300

11203.81ft: MUD WEIGHT 10.65
11204.00ft: MUD VIS 61.00
11204.72ft: MUD PH 8.70

11235.01ft: Connection at 11235.8
SURVEY @ 11180 INC 0.6 AZI 257.1
11235.01ft: ZDiffPressure from SideKick sk-11-11-0402
11239.01ft: MUD WEIGHT 10.70
11239.11ft: MUD VIS 61.00
11239.17ft: MUD PH 8.70
11246.62ft: ZWOB from SideKick sk-11-11-0402
11246.62ft: SWEEP
11247.21ft: AIR PARA 2300

12:52 11280
13:00 11290
13:07 11300
13:15 11310
13:23 11320
13:58 11330
14:32 11340
14:56 11350
15:02 11360
15:09 11370
15:17 11380
15:24 11390
15:32 11400
15:38 11410
16:30 11420
17:03 11430
17:11 11440
17:18 11450
17:26 11460
17:35 11470
17:50 11480
17:58 11490



11304.00ft: MUD WEIGHT 10.70
11304.53ft: MUD VIS 61.00
11306.17ft: MUD PH 8.80
11309.51ft: AIR PARA 2400

11326.97ft: SURVEY @11272 INC
0.5 AZI 264.3
11326.97ft: Connection at 11327.6
11326.97ft: ZDiffPressure from
SideKick sk-11-11-0402
11331.59ft: MUD WEIGHT 10.70
11331.66ft: MUD VIS 60.00
11331.66ft: MUD PH 8.90

11345.60ft: ZWOB from SideKick
sk-11-11-0402
11345.60ft: SWEEP

11354.99ft: MUD WEIGHT 10.70
11355.45ft: MUD VIS 63.00
11355.77ft: AIR PARA 2400
11356.07ft: MUD WL 8.90

11367.68ft: MUD PH 8.9

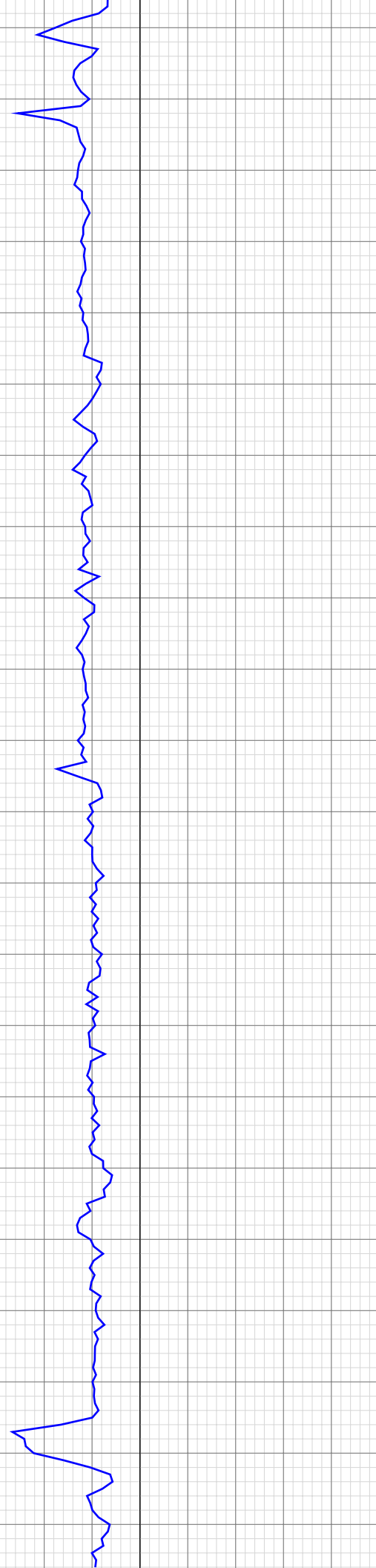
11419.03ft: MUD WEIGHT 10.65
11419.03ft: MUD VIS 63.00
11419.03ft: MUD PH 8.90
11419.03ft: Connection at 11419.3
11419.03ft: SURVEY @11364 INC
0.9 AZI 335.7
11419.03ft: ZDiffPressure from
SideKick sk-11-11-0402
11426.84ft: ZWOB from SideKick
sk-11-11-0402
11426.84ft: SWEEP

11474.21ft: AIR PARA 2400

11477.72ft: PUMP OUT CELLAR

11485.99ft: MUD WEIGHT 10.70
11486.88ft: MUD VIS 63.00
11487.27ft: MUD PH 8.90

18:06 11500
18:19 11510
19:04 11520
19:17 11530
19:26 11540
19:33 11550
19:42 11560
19:56 11570
20:11 11580
20:18 11590
20:27 11600
20:55 11610
21:01 11620
21:10 11630
21:18 11640
21:24 11650
21:30 11660
21:37 11670
21:48 11680
21:57 11690
22:21 11700
22:31 11710



11511.12ft: Connection at 11511.2
11511.12ft: SURVEY 11456 .8 INC
319.3 AZI
11511.12ft: ZWOB from SideKick
sk-11-11-0402
11511.12ft: ZDiffPressure from
SideKick sk-11-11-0402
11516.21ft: SWEEP

11527.23ft: MUD VIS 62.00
11527.63ft: MUD WEIGHT 10.70

11566.34ft: PARA CFM 2400

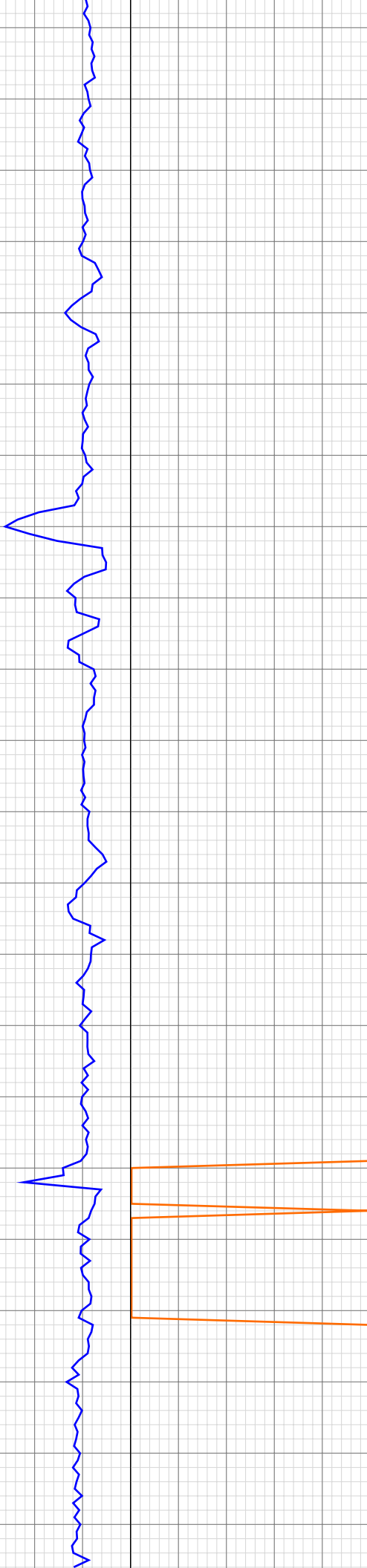
11572.01ft: MUD VIS 64.00
11572.01ft: MUD WEIGHT 10.70
11576.77ft: TEST LEL
11577.66ft: HGAS_021: LOCATION1
High LEL Alarm
11577.66ft: HGAS_004: Horn Muted

11603.18ft: SURVEY 1158 .4 INC
297 AZI
11603.18ft: Connection at 11603.2
11603.18ft: ZDiffPressure from
SideKick sk-11-11-0402
11603.18ft: ZWOB from SideKick
sk-11-11-0402
11603.18ft: PARA CFM 2700

11626.90ft: SWEEP

11695.24ft: MUD VIS 61.00
11695.24ft: MUD WEIGHT 10.70
11695.24ft: SURVEY 11640 .6 INC
251.6 AZI
11695.24ft: Connection at 11695.0
11695.24ft: ZWOB from SideKick
sk-11-11-0402
11695.24ft: ZDiffPressure from
SideKick sk-11-11-0402
11704.04ft: PARA CFM 2900

22:38 11720
22:45 11730
22:52 11740
22:59 11750
23:08 11760
23:19 11770
23:32 11780
Mar 21, 2013
00:07 11800
00:16 11810
00:23 11820
00:32 11830
00:44 11840
00:50 11850
00:58 11860
01:06 11870
01:32 11880
01:58 11890
02:08 11900
02:20 11910
02:26 11920
02:33 11930



11750.43ft: SWEEP

11787.43ft: SURVEY 11731 .7 INC
212.7 AZI
11787.43ft: Connection at 11786.9
11787.43ft: MUD VIS 65.00
11787.43ft: MUD WEIGHT 10.70
11787.43ft: ZWOB from SideKick
sk-11-11-0402
11787.43ft: ZDiffPressure from
SideKick sk-11-11-0402

11812.34ft: PARA CFM 2900

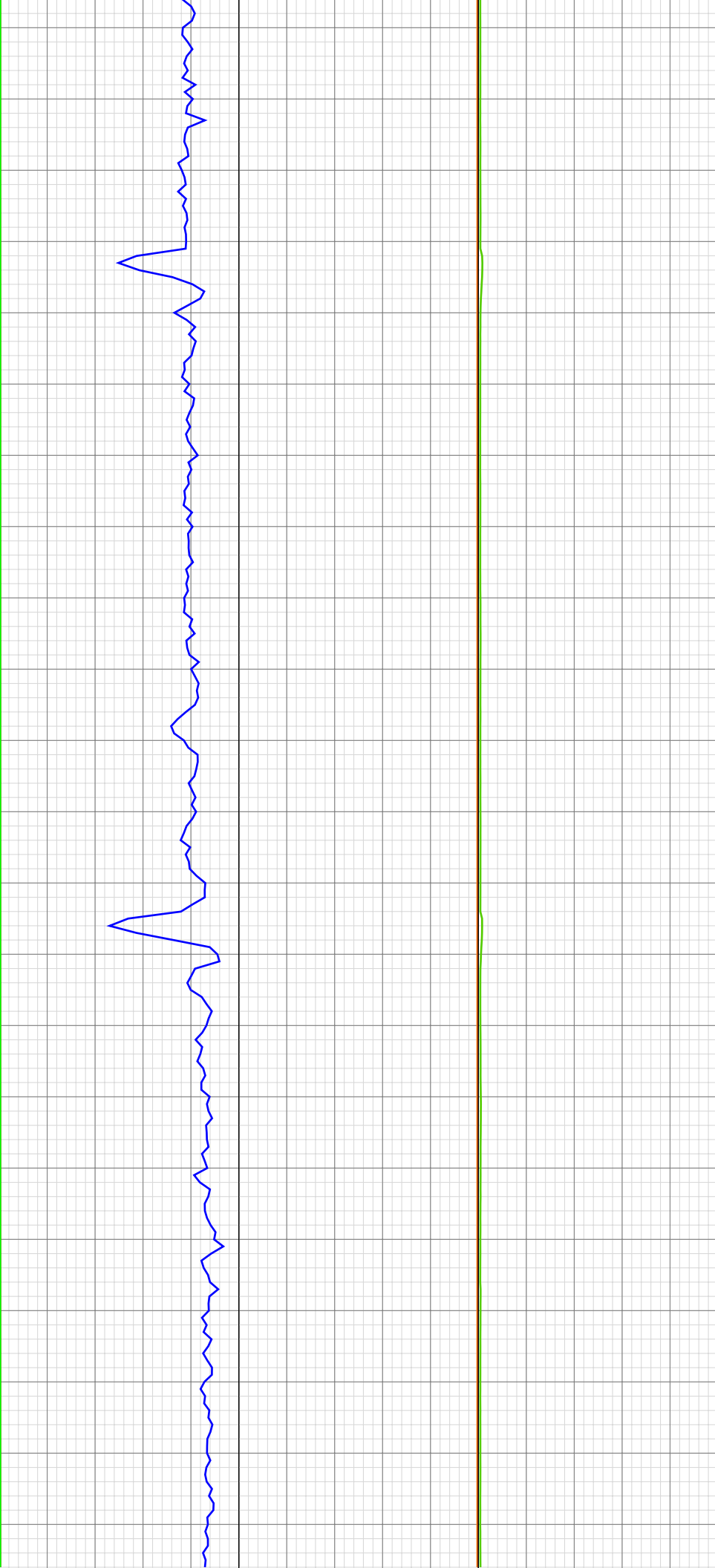
11860.66ft: SWEEP

11879.40ft: SURVEY 11823 1.1 NC
212.5 AZI
11879.40ft: Connection at 11878.8
11879.40ft: ZDiffPressure from
SideKick sk-11-11-0402
11884.68ft: MUD VIS 66.00
11884.78ft: MUD WEIGHT 10.75

11901.12ft: ZDiffPressure from
SideKick sk-11-11-0402
11901.12ft: ZWOB from SideKick
sk-11-11-0402

11928.03ft: MUD VIS 64.00

02:39 11940
02:46 11950
02:52 11960
02:59 11970
03:29 11980
03:38 11990
03:44 12000
03:51 12010
03:57 12020
04:03 12030
04:10 12040
04:20 12050
04:26 12060
04:53 12070
05:02 12080
05:09 12090
05:14 12100
05:31 12110
05:42 12120
05:50 12130
05:56 12140
06:08 12150



11936.09ft: MUD VIS 64.00
11936.38ft: MUD WEIGHT 10.75

11957.28ft: PARA CFM 2900

11971.29ft: SURVEY 11915 .5 INC
203.4 AZI
11971.29ft: Connection at 11970.8
11971.29ft: BIT DEPTH CHANGED
TO 11970.0 FEET
11971.29ft: ZWOB from SideKick
sk-11-11-0402
11971.29ft: ZDiffPressure from
SideKick sk-11-11-0402
11977.76ft: SWEEP

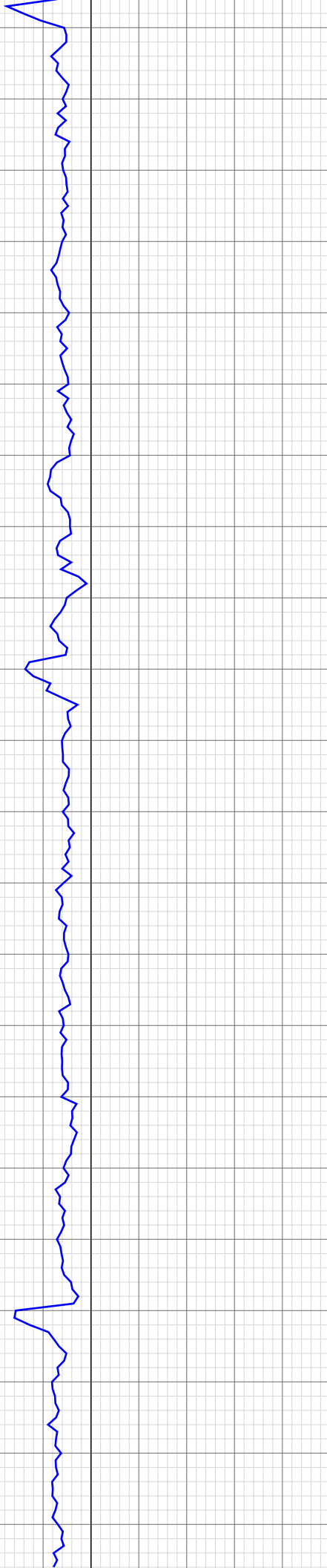
12005.64ft: MUD VIS 68.00
12005.81ft: MUD WEIGHT 10.70

12058.17ft: PARA CFM 3000
12064.14ft: MUD VIS 62.00
12064.14ft: MUD WEIGHT 10.70
12064.14ft: SURVEY 12007 .7 INC
204.9 AZI
12064.14ft: Connection at 12062.6
12064.14ft: ZDiffPressure from
SideKick sk-11-11-0402
12064.14ft: ZWOB from SideKick
sk-11-11-0402

12106.20ft: MUD VIS 61.00
12106.37ft: MUD WEIGHT 10.70
12106.66ft: PARA CFM 3200

12154.33ft: AIR PARA 3000
12155.45ft: AIR PARA 3200
12156.33ft: Connection at 12154.4
12156.33ft: SURVEY @12099 INC
1.0 AZI 201 6)

06:43 12160
06:51 12170
06:58 12180
07:04 12190
07:10 12200
07:18 12210
07:27 12220
07:33 12230
07:41 12240
08:07 12250
08:13 12260
08:19 12270
08:27 12280
08:33 12290
08:38 12300
08:47 12310
08:54 12320
09:00 12330
09:31 12340
09:37 12350
09:43 12360
09:49 12370



12156.33ft: ZWOB from SideKick sk-11-11-0402
12156.33ft: ZDiffPressure from SideKick sk-11-11-0402
12156.33ft: SWEEP

12183.50ft: MUD WEIGHT 10.75
12184.09ft: MUD VIS 62.00
12184.68ft: MUD PH 8.90

12223.46ft: TEST LELS
12227.85ft: HGAS_023: LOCATION2 Low LEL Alarm
12228.02ft: HGAS_004: Horn Muted

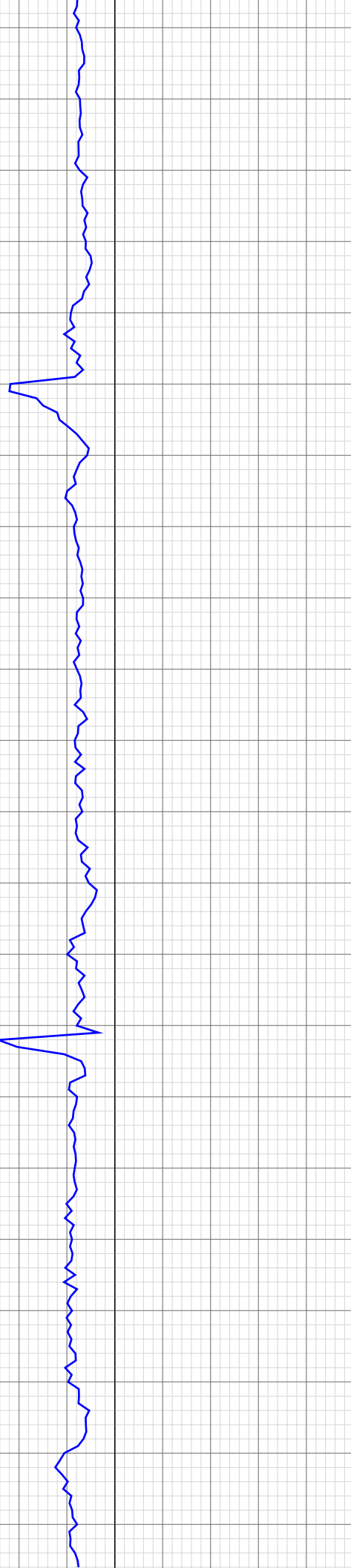
12248.16ft: AIR PARA 3100
12248.16ft: SURVEY @12191 INC 1.1 AZI 208.0
12248.16ft: Connection at 12246.1
12248.16ft: MUD WEIGHT 10.80
12248.16ft: MUD VIS 63.00
12248.16ft: MUD PH 8.90
12248.16ft: ZWOB from SideKick sk-11-11-0402
12248.16ft: ZDiffPressure from SideKick sk-11-11-0402
12248.52ft: SWEEP

12309.02ft: RLP TRANSFER 20BBLs

12325.13ft: MUD WEIGHT 10.80
12325.59ft: MUD VIS 62.00
12326.18ft: MUD PH 8.90

12339.99ft: Connection at 12337.7 SURVEY @12282 INC 1.0 AZI 216.2
12339.99ft: ZWOB from SideKick sk-11-11-0402
12339.99ft: ZDiffPressure from SideKick sk-11-11-0402
12339.99ft: SWEEP
12340.06ft: PUMP OUT CATCH CAN

09:57 12380
10:02 12390
10:07 12400
10:14 12410
10:19 12420
10:57 12430
11:02 12440
11:06 12450
11:12 12460
11:23 12470
11:28 12480
11:35 12490
11:39 12500
11:47 12510
11:53 12520
12:35 12530
12:44 12540
12:48 12550
12:57 12560
13:04 12570
13:11 12580
13:20 12590



12389.01ft: MUD WEIGHT 10.85
12389.44ft: AIR PARA 3100
12389.44ft: MUD VIS 64.00
12390.26ft: MUD PH 8.80

12432.09ft: HGAS_007: LOCATION1
LEL Sensor disconnected, Press Mute
to acknowledge
12432.09ft: HGAS_018: Disconnected
Sensors Acknowledged
12432.09ft: Connection at 12429.6
12432.09ft: SURVEY @12374 INC .6
AZ 207.7
12432.09ft: AIR PARA 3000
12432.09ft: ZWOB from SideKick
sk-11-11-0402
12432.09ft: ZDiffPressure from
SideKick sk-11-11-0402
12432.09ft: SWEEP
12432.09ft: IN TALLY: HOLE DEPTH
SET TO 12429.6
12434.45ft: MUD WEIGHT 10.80
12435.01ft: MUD VIS 64.00
12435.63ft: MUD PH 8.90

12474.11ft: RLP TRANSFER 20BBLs

12520.51ft: MUD WEIGHT 10.80
12520.51ft: MUD VIS 63.00
12520.51ft: MUD PH 8.80
12520.51ft: Connection at 12521.4
12520.51ft: SURVEY @12466 INC .6
AZ 169.0
12520.51ft: ZWOB from SideKick
sk-11-11-0402
12520.51ft: ZDiffPressure from
SideKick sk-11-11-0402
12521.00ft: IN TALLY: HOLE DEPTH
SET TO 12521.4
12523.06ft: SWEEP
12528.51ft: AIR PARA 3000

12554.99ft: AIR PARA 2900

12562.73ft: MUD WEIGHT 10.80
12563.03ft: MUD VIS 63.00
12563.78ft: MUD PH 8.90
12612.27ft: Connection at 12613.1
12612.27ft: ZWOB from SideKick
sk-11-11-0402
12612.27ft: MUD WEIGHT 10.80
12612.27ft: ZDiffPressure from
SideKick sk-11-11-0402
12612.27ft: MUD VIS 64.00
12612.27ft: MUD PH 8.90
12612.99ft: IN TALLY: HOLE DEPTH
SET TO 12613.1
12653.38ft: SWEEP
12655.02ft: AIR PARA 2900
12655.02ft: SURVEY TD 12600 .9
INC 172.5 AZI
12655.02ft: RIG SERVICE
12655.02ft: SWEEP

13:27 12600
13:37 12610
14:04 12620
14:10 12630
14:15 12640
14:21 12650
12660



12655.02ft: MUD WEIGHT 10.80
12655.02ft: MUD VIS 65.00
12655.02ft: MUD PH 8.90
12655.02ft: MUD WEIGHT 10.80
12655.02ft: MUD VIS 65.00
12655.02ft: MUD PH 8.90
12655.02ft: AIR PARA 2900
12655.02ft: MUD WEIGHT 10.75
12655.02ft: MUD VIS 61.00
12655.02ft: MUD PH 8.90
12655.02ft: AIR BYPASSED
12655.02ft: HOOK LOAD
THRESHOLD RECALIBRATED TO
55
12655.02ft: BIT DEPTH CHANGED
TO 11695.0 FEET
12655.02ft: TRIP OUT FOR CASING
12655.02ft: MUD VIS 64.00
12655.02ft: MUD WEIGHT 10.80
12655.02ft: BLOW DOWN TOP
DRIVE
12655.02ft: MUD VIS 63.00
12655.02ft: MUD WEIGHT 10.80
12655.02ft: VIS 60 WT 10.85
12655.02ft: PUMPING OUT CELLAR
12655.02ft: HOOK LOAD LOW
RECALIBRATED
12655.02ft: HOOK LOAD
THRESHOLD RECALIBRATED TO
45
12655.02ft: PUMPED CELLER
12655.02ft: CHANGE OUT CASING
TONGS
12655.02ft: PUMP OUT DRYER
SHAKERS
12655.02ft: MUD WEIGHT 10.80
12655.02ft: MUD VIS 62.00
12655.02ft: MUD PH 8.80