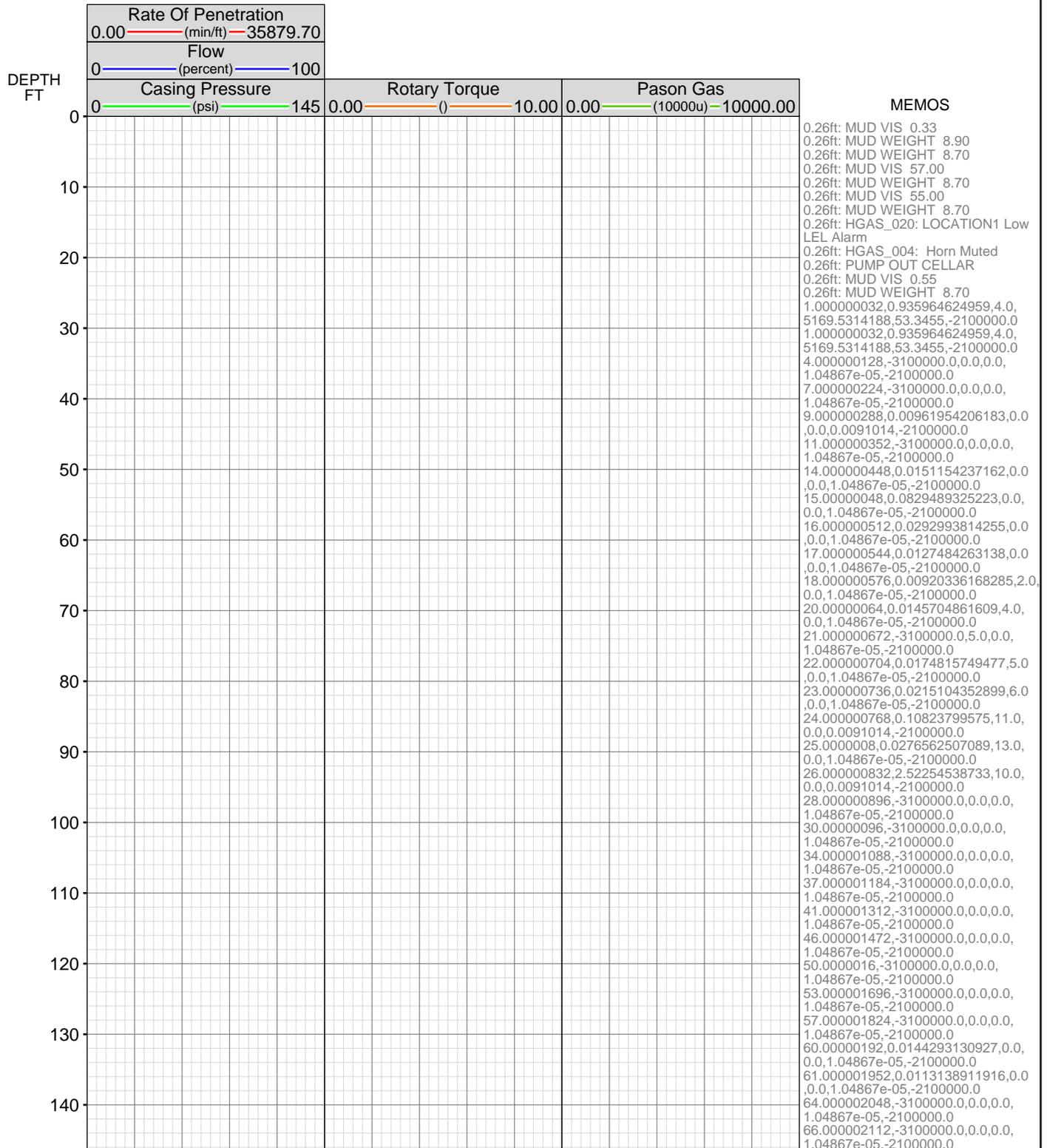


DataHub EDR Log

Tue Mar 27, 2012 11:07:49
Well Dossier 1332051761
Marilyn Tucker

OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: NPEF 14F-27 P27 595
FIELD:
LOCATION: 39.579356 108.033231
COUNTRY: USA
RIG: Pat-UTI 303

CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 050452028300
SPUD DATE: Mar 18, 2012 22:00
RELEASE DATE: Mar 26, 2012 04:00



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Mar 18, 2012

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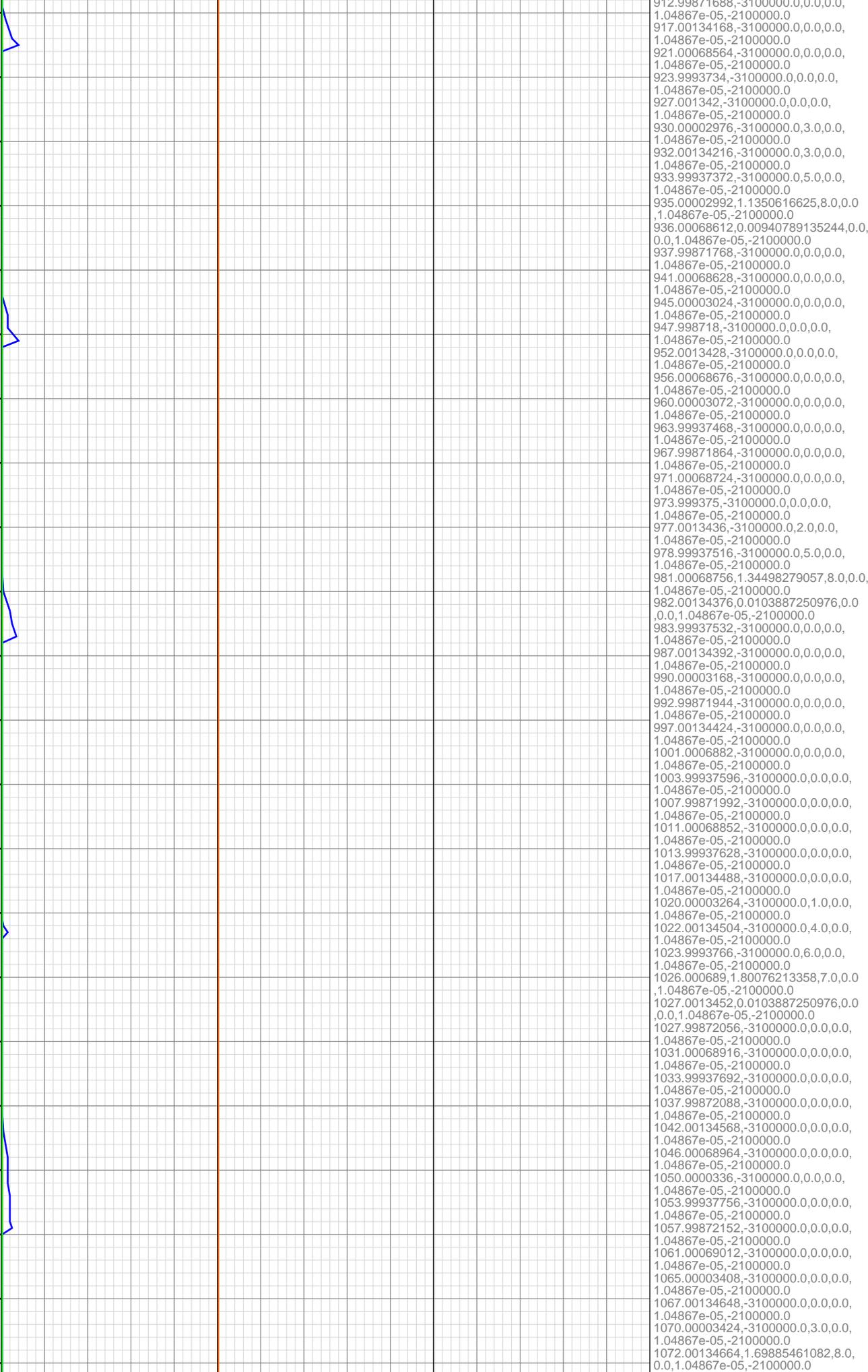
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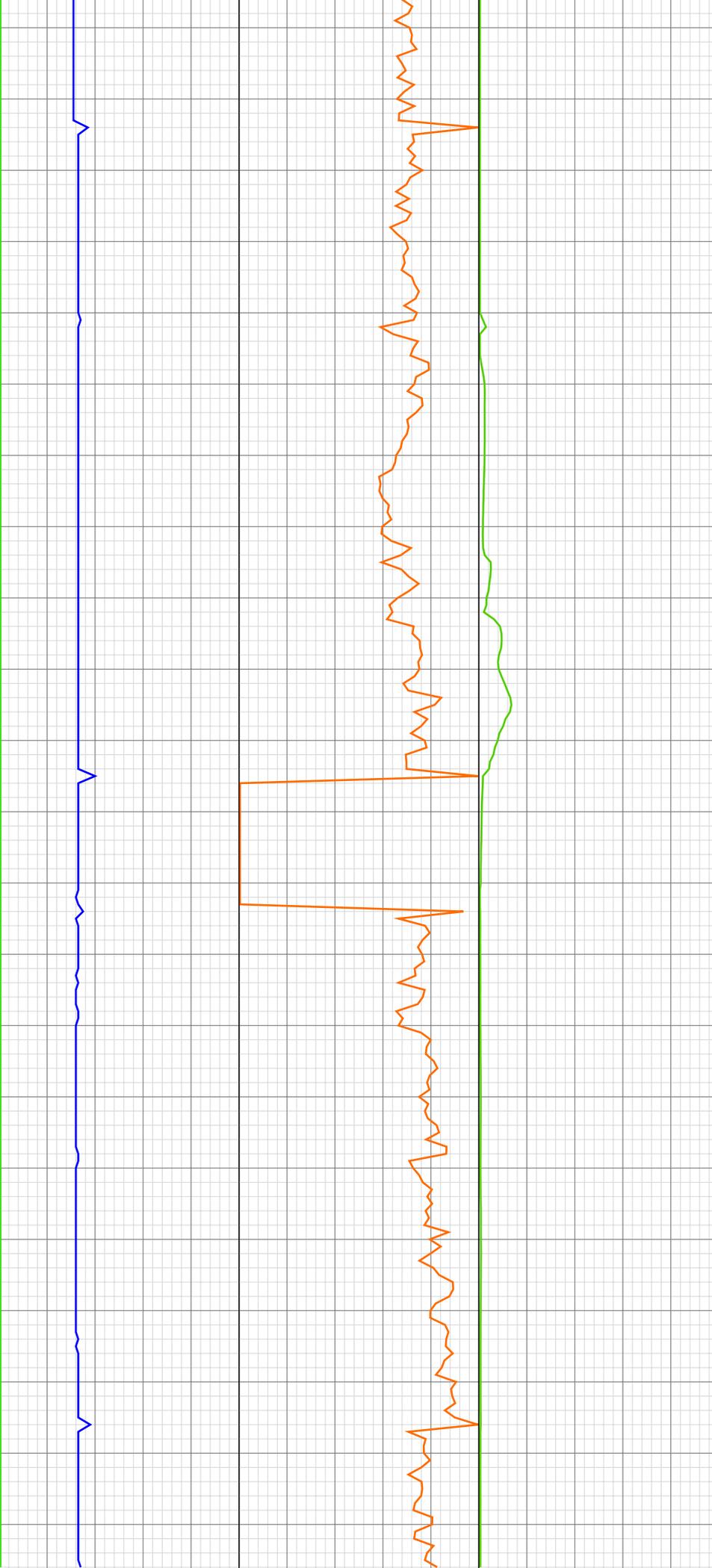
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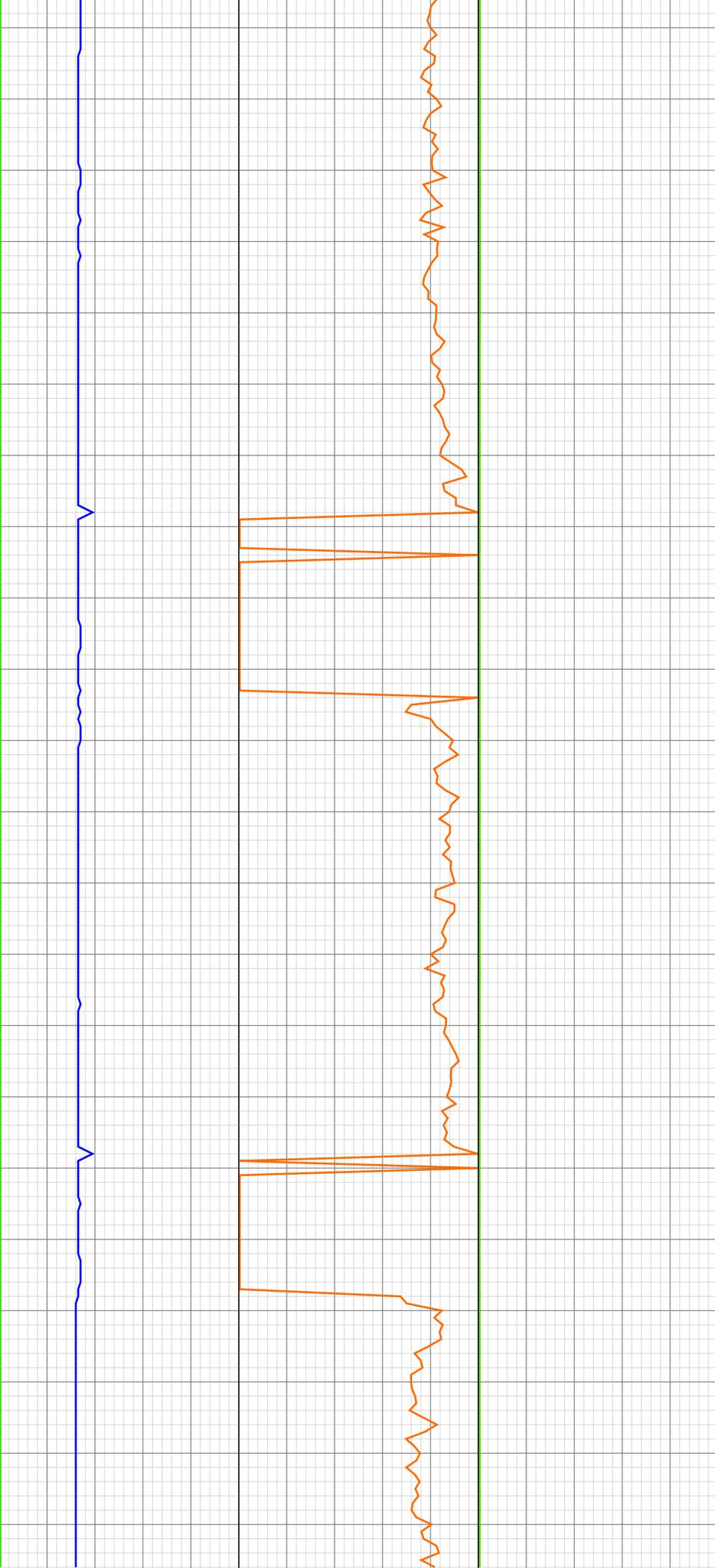
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1328.00ft: MUD WEIGHT 8.80
1571.25ft: HOLE DEPTH CHANGED
TO 1716.0 FEET
1716.00ft: BIT DEPTH CHANGED TO
1716.0 FEET
1716.00ft: HOLE DEPTH CHANGED
TO 1840.0 FEET
1840.00ft: MUD VIS 0.52
1840.00ft: MUD WEIGHT 8.80
1840.00ft: MUD VIS 0.52
1840.00ft: MUD WEIGHT 8.80
1840.00ft: ZWOB from SideKick
sk-06-03-3103
1840.00ft: ZDiffPressure from
SideKick sk-06-03-3103
1840.00ft: ZDiffPressure from
SideKick sk-06-03-3103
1840.00ft: ZDIFF from DHC
1840.00ft: ZWOB from DHC
1840.00ft: ZDIFF from DHC
1840.89ft: ZDIFF from DHC
1851.89ft: MUD VIS 0.48
1851.89ft: MUD WEIGHT 8.80
1851.89ft: Connection at 1853.7
1851.89ft: HOOKLOAD WAS
RECALIBRATED
1851.89ft: HOOK LOAD
THRESHOLD RECALIBRATED TO
44

22:40 1930
22:44 1940
22:59 1950
23:01 1960
23:03 1970
23:12 1980
23:15 1990
23:17 2000
23:20 2010
23:24 2020
23:27 2030
23:38 2040
23:43 2050
23:48 2060
23:50 2070
23:52 2080
23:54 2090
23:56 2100
23:58 2110
Mar 19, 2012
00:01 2120
00:10 2130
00:12 2140



1851.89ft: ZDIFF from DHC
1851.89ft: ZWOB from DHC
1851.89ft: ZWOB from SideKick sk-06-03-3103
1868.00ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
1943.17ft: Connection at 1944.9
1943.17ft: ZDiffPressure from SideKick sk-06-03-3103
1943.17ft: ZWOB from SideKick sk-06-03-3103
1943.17ft: SURVEY @ 1889 inc 31.1 az 259.2 tvd 1758.94
1956.00ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
1970.61ft: ZDiffPressure from SideKick sk-06-03-3103
1970.61ft: MUD VIS 0.48
1970.61ft: MUD WEIGHT 8.80
1970.61ft: ZDiffPressure from SideKick sk-06-03-3103
2034.53ft: Connection at 2036.4
2034.53ft: SURVEY @ 1981 inc 29.8 az 257.3 tvd 1838.25
2034.84ft: SLIDING
2053.50ft: ROTATING
2062.00ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
2123.38ft: MUD VIS 0.50
2123.38ft: MUD WEIGHT 8.80
2125.89ft: Connection at 2128.0
2125.89ft: ZDiffPressure from SideKick sk-06-03-3103
2125.89ft: SURVEY @ 2072 inc 28.4 az 259.9 tvd 1917.76

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00:51 2290
00:53 2300
01:07 2310
01:11 2320
01:24 2330
01:26 2340
01:28 2350
01:31 2360



2147.43ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

2217.31ft: Connection at 2219.6
2217.31ft: SURVEY @ 2164 inc 26.5
az 256.6 tvd 1999.41

2251.00ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

2307.89ft: Connection at 2311.3
2307.89ft: MUD VIS 0.50
2307.89ft: MUD WEIGHT 8.80
2307.97ft: SURVEY @ 2256 inc 27.3
az 259.2 tvd 2081.45

2327.50ft: ZDiffPressure from SideKick sk-06-03-3103
2327.50ft: ZWOB from SideKick sk-06-03-3103

01:33 2370
01:36 2380
01:39 2390
01:48 2400
01:53 2410
01:57 2420
02:02 2430
02:06 2440
02:09 2450
02:11 2460
02:13 2470
02:15 2480
02:18 2490
02:30 2500
02:33 2510
02:36 2520
02:39 2530
02:41 2540
02:42 2550
02:45 2560
02:47 2570
02:49 2580



2399.15ft: Connection at 2402.8
2399.15ft: SURVEY @ 2347 inc 26.9
az 260.5 tvd 2162.46

2421.71ft: MUD VIS 0.50
2421.97ft: MUD WEIGHT 8.85

2490.39ft: Connection at 2494.4
2490.39ft: SURVEY @ 2439 inc 26.7
az 264 tvd 2244.59

2522.00ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

2581.55ft: ZWOB from SideKick
sk-06-03-3103
2581.55ft: SPR
2581.55ft: Connection at 2585.6
2581.55ft: MUD VIS 0.51
2581.55ft: MUD WEIGHT 8.85

03:04 2590
03:06 2600
03:08 2610
03:11 2620
03:13 2630
03:15 2640
03:18 2650
03:20 2660
03:22 2670
03:32 2680
03:34 2690
03:36 2700
03:38 2710
03:40 2720
03:42 2730
03:44 2740
03:47 2750
03:50 2760
03:58 2770
04:02 2780
04:06 2790
04:08 2800



2581.55ft: ZDiffPressure from SideKick sk-06-03-3103
2581.55ft: SURVEY @ 2530 inc 27.7 az 265.5 tvd 2325.52

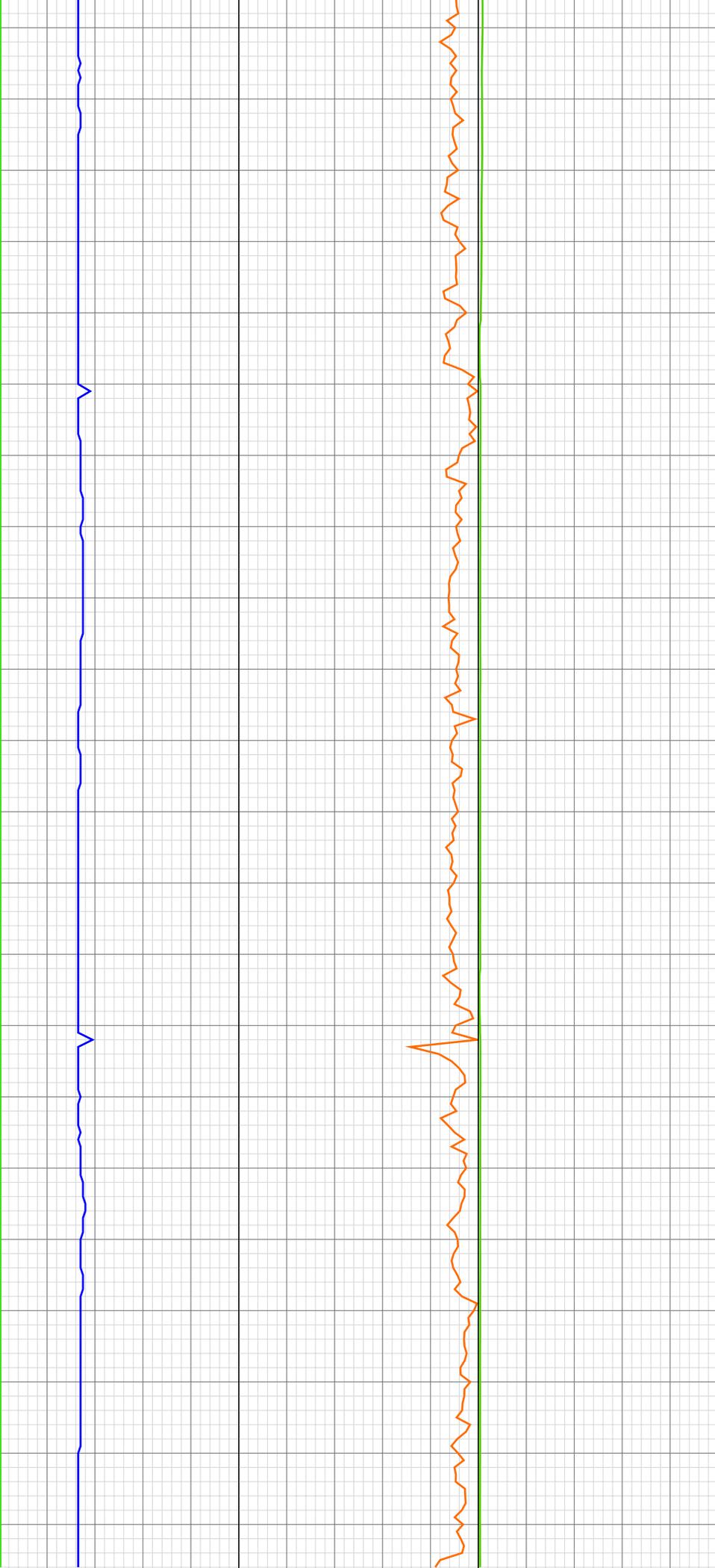
2635.60ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

2672.79ft: Connection at 2677.0
2672.79ft: SURVEY @ 2622 inc 27.1 az 263 tvd 2407.21
2672.79ft: ZDiffPressure from SideKick sk-06-03-3103
2672.79ft: ZWOB from SideKick sk-06-03-3103

2698.00ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

2762.76ft: Connection at 2768.7
2764.11ft: SURVEY @ 2713 inc 26.5 az 261.5 tvd 2488.43
2768.87ft: IN TALLY: HOLE DEPTH SET TO 2768.7
2771.72ft: MUD VIS 0.53
2771.86ft: MUD WEIGHT 8.90

04:10 2810
04:12 2820
04:14 2830
04:16 2840
04:18 2850
04:21 2860
04:30 2870
04:33 2880
04:35 2890
04:38 2900
04:40 2910
04:41 2920
04:43 2930
04:45 2940
04:48 2950
04:57 2960
05:00 2970
05:02 2980
05:04 2990
05:06 3000
05:08 3010
05:10 3020



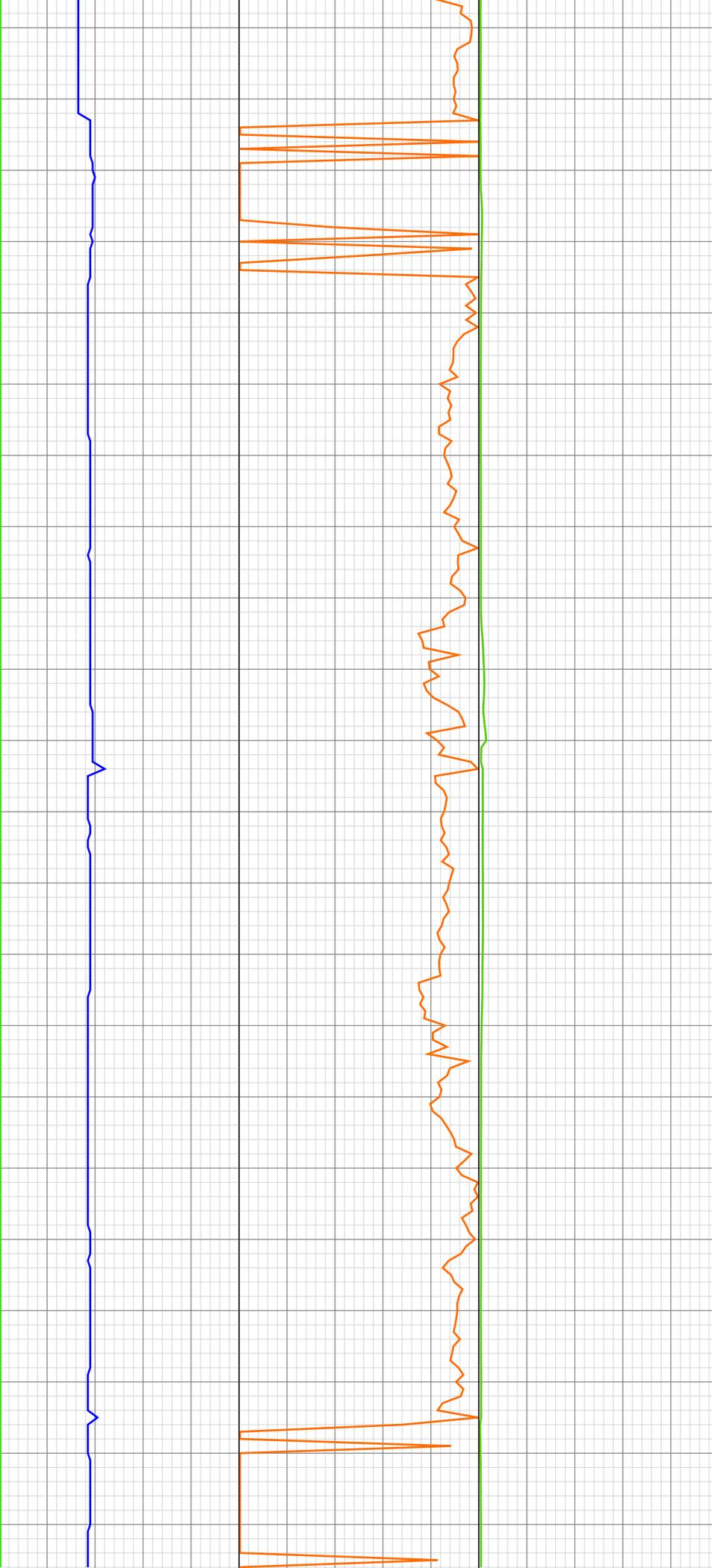
2860.01ft: Connection at 2860.2
SURVEY @ 2805 inc 27.4 az 262.8
tvd 2570.44
2860.01ft: ZDiffPressure from
SideKick sk-06-03-3103
2860.01ft: ZWOB from SideKick
sk-06-03-3103

2875.00ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

2951.15ft: Connection at 2951.6
2951.15ft: ZDiffPressure from
SideKick sk-06-03-3103
2951.15ft: ZWOB from SideKick
sk-06-03-3103
2951.15ft: SURVEY @ 2896 inc 26.9
az 262 tvd 2651.41

2987.00ft: MUD VIS 0.55
2987.39ft: MUD WEIGHT 8.95

05:12 3030
05:15 3040
05:27 3050
05:31 3060
05:35 3070
05:36 3080
05:38 3090
05:40 3100
05:42 3110
05:46 3120
05:49 3130
06:00 3140
06:02 3150
06:04 3160
06:07 3170
06:10 3180
06:13 3190
06:15 3200
06:17 3210
06:19 3220
06:34 3230
06:37 3240



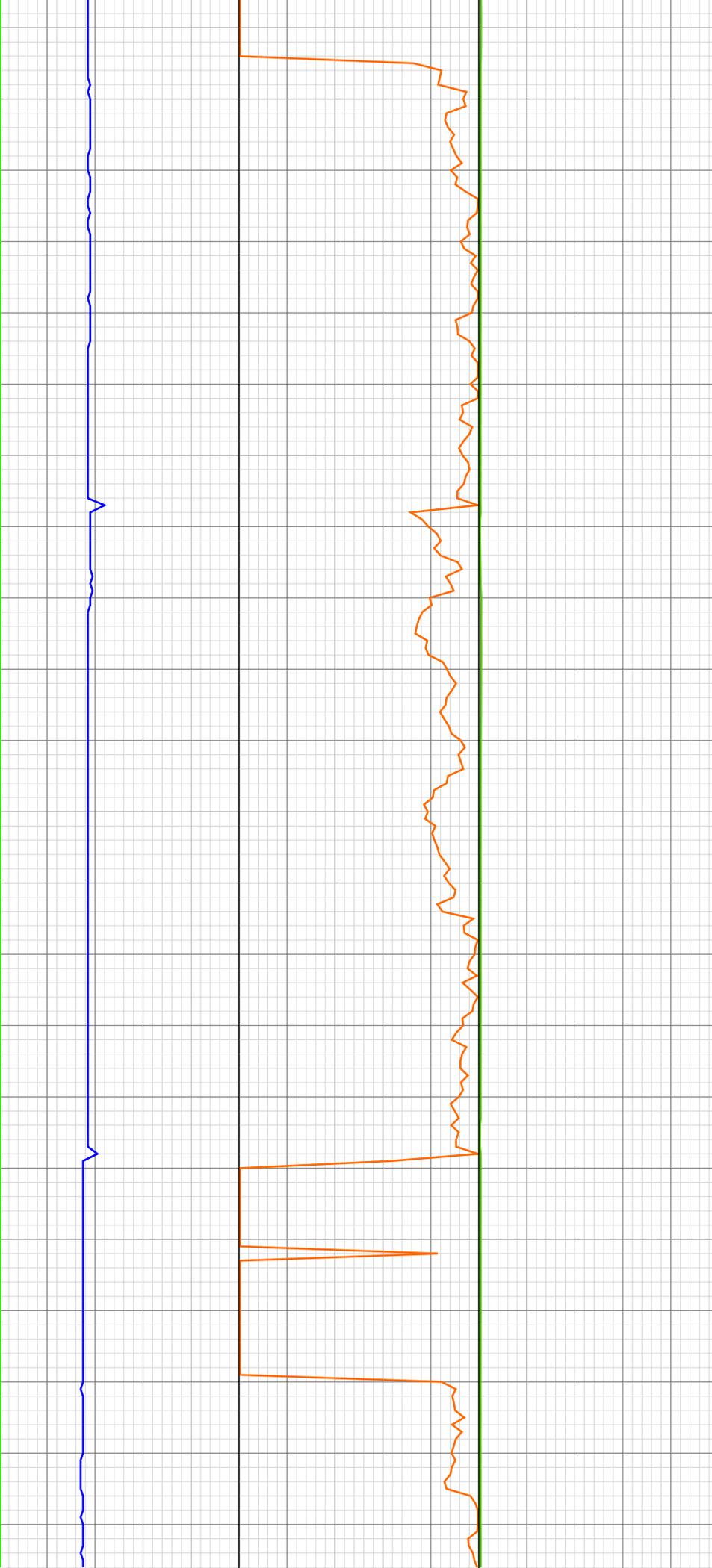
3042.37ft: ZWOB from SideKick
sk-06-03-3103
3042.37ft: Connection at 3042.9
3042.37ft: ZDiffPressure from
SideKick sk-06-03-3103
3042.37ft: SURVEY @ 2987 inc 26.3
261.4 tvd 2732.78

3133.48ft: Connection at 3134.7
3133.48ft: SURVEY @ 3079 inc 26.8
az 260.2 tvd 2815.08
3133.48ft: ZDiffPressure from
SideKick sk-06-03-3103
3134.55ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

3178.66ft: MUD VIS 54.00
3179.23ft: MUD WEIGHT 8.95

3224.97ft: Connection at 3226.3
SURVEY @ 3171 inc. 26.0 az. 260.2
tvd. 2897.48

06:41 3250
06:47 3260
06:49 3270
06:51 3280
06:53 3290
06:55 3300
06:57 3310
07:11 3320
07:21 3330
07:24 3340
07:26 3350
07:29 3360
07:33 3370
07:36 3380
07:38 3390
07:40 3400
07:50 3410
07:54 3420
07:58 3430
08:02 3440
08:04 3450
08:06 3460



3254.60ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
3254.60ft: ZWOB from SideKick sk-06-03-3103

3316.31ft: MUD VIS 55.00
3316.31ft: MUD WEIGHT 9.00
3316.31ft: SURVEY @ 3262 inc. 27.2 az. 259.8 tvd. 2978.85
3316.31ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
3316.31ft: ZDiffPressure from SideKick sk-06-03-3103
3316.34ft: Connection at 3317.9
3319.49ft: HGAS_021: LOCATION1 High LEL Alarm
3319.91ft: HGAS_004: Horn Muted
3321.46ft: TEST LEL'S
3321.46ft: HGAS_024: LOCATION2 High LEL Alarm
3322.01ft: HGAS_004: Horn Muted
3330.54ft: ZDiffPressure from SideKick sk-06-03-3103
3330.54ft: ZWOB from SideKick sk-06-03-3103
3330.54ft: ZDiffPressure from SideKick sk-06-03-3103
3330.54ft: ZWOB from SideKick sk-06-03-3103

3407.51ft: Connection at 3409.4
3407.51ft: ZDiffPressure from SideKick sk-06-03-3103
3408.01ft: SURVEY @ 3354 inc. 26.2 az. 259.1 tvd. 3061.04

3422.11ft: MUD VIS 55.00
3422.11ft: MUD WEIGHT 9.00

3439.07ft: ZDiffPressure from SideKick sk-06-03-3103

08:08 3470
08:11 3480
08:13 3490
08:25 3500
08:27 3510
08:29 3520
08:31 3530
08:34 3540
08:35 3550
08:37 3560
08:39 3570
08:44 3580
08:55 3590
08:59 3600
09:03 3610
09:07 3620
09:13 3630
09:16 3640
09:18 3650
09:20 3660
09:22 3670
09:24 3680



3498.72ft: SURVEY @ 3446 inc. 27.3
az. 261.1 tvd, 3143.19
3498.72ft: ZDiffPressure from
SideKick sk-06-03-3103
3498.72ft: ZWOB from SideKick
sk-06-03-3103
3499.64ft: Connection at 3501.2

3510.43ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

3590.12ft: ZDiffPressure from
SideKick sk-06-03-3103
3590.12ft: Connection at 3592.8
3590.12ft: SURVEY @ 3537 inc. 25.1
az. 259.3 tvd. 3224.84
3590.12ft: IN TALLY: HOLE DEPTH
SET TO 3592.8

3628.31ft: ZDiffPressure from
SideKick sk-06-03-3103
3628.31ft: ZWOB from SideKick
sk-06-03-3103

3684.12ft: Connection at 3684.4
3684.12ft: ZDiffPressure from

09:36 3690
09:40 3700
09:44 3710
09:49 3720
09:52 3730
09:54 3740
09:55 3750
09:57 3760
09:59 3770
11:48 3780
11:50 3790
11:52 3800
11:54 3810
11:56 3820
11:58 3830
12:01 3840
12:03 3850
12:05 3860
12:20 3870
12:24 3880
12:28 3890
12:33 3900



SideKick sk-06-03-3103
3686.15ft: SURVEY @ 3629 inc. 26.5
az. 260.6 tvd. 3307.67

3711.98ft: ZDiffPressure from
SideKick sk-06-03-3103
3711.98ft: ZWOB from SideKick
sk-06-03-3103
3711.98ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

3727.59ft: MUD VIS 54.00
3727.59ft: MUD WEIGHT 9.05

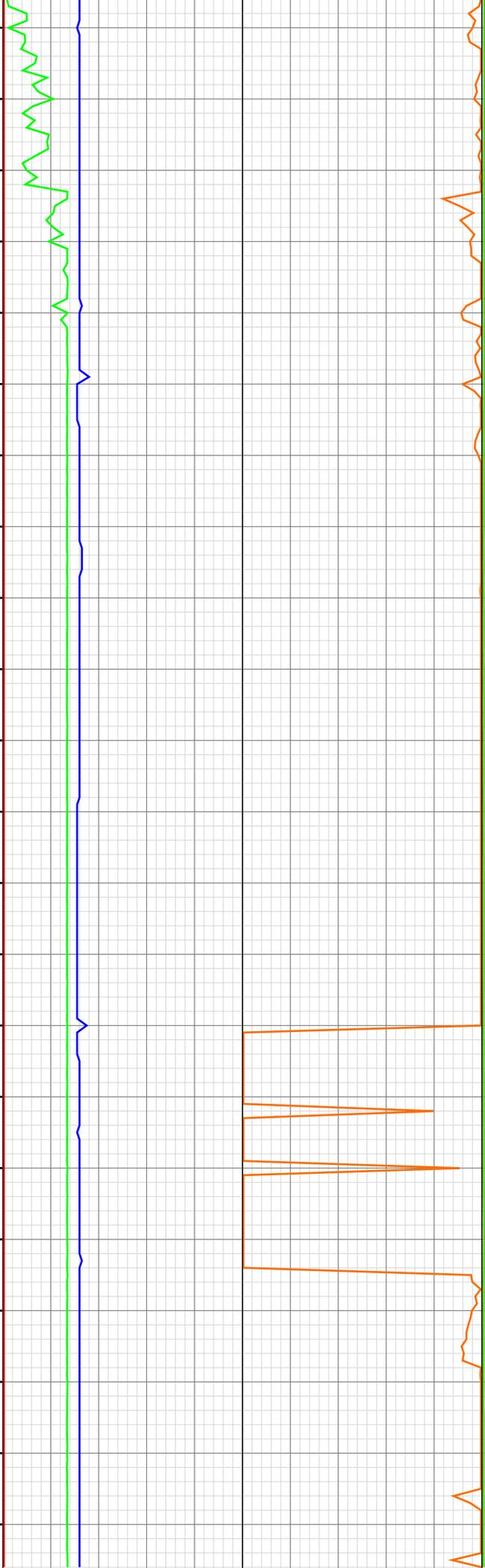
3775.33ft: SURVEY @ 3720 inc. 27.4
az. 261.8 tvd. 3388.79
3775.33ft: Connection at 3776.0
3775.33ft: ZWOB from SideKick
sk-06-03-3103
3775.33ft: ZDiffPressure from
SideKick sk-06-03-3103
3775.33ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

3792.36ft: MUD VIS 52.00
3792.36ft: MUD WEIGHT 9.05

3866.99ft: SURVEY @ 3812 inc. 26.1
az. 261.1 tvd. 3470.94
3866.99ft: ZDiffPressure from
SideKick sk-06-03-3103
3866.99ft: Connection at 3867.5

3892.36ft: ZDiffPressure from
SideKick sk-06-03-3103
3892.36ft: ZWOB from SideKick
sk-06-03-3103

12:35 3910
12:37 3920
12:39 3930
12:45 3940
12:48 3950
13:03 3960
13:06 3970
13:08 3980
13:10 3990
13:11 4000
13:13 4010
13:15 4020
13:17 4030
13:19 4040
13:32 4050
13:38 4060
13:42 4070
13:47 4080
13:53 4090
13:55 4100
13:57 4110
14:01 4120



3958.07ft: Connection at 3959.2
Connection at 3959.2
3958.07ft: SURVEY @ 3904 inc.
27.2 az. 261.4 tvd. 3553.16
3958.07ft: ZDiffPressure from
SideKick sk-06-03-3103
3958.07ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

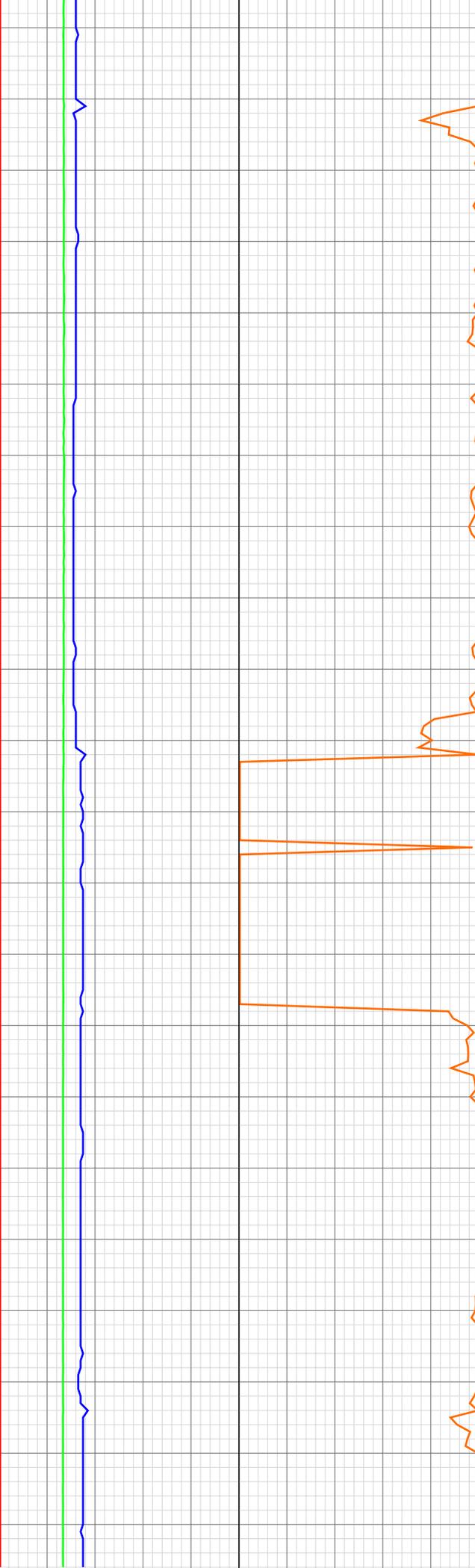
3970.01ft: MUD VIS 55.00
3970.90ft: MUD WEIGHT 9.20

4049.28ft: SURVEY @ 3995 inc. 25.5
az. 260.8 tvd. 3634.71
4050.82ft: Connection at 4051.0

4084.97ft: ZDiffPressure from
SideKick sk-06-03-3103
4084.97ft: ZWOB from SideKick
sk-06-03-3103

4114.47ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

14:04 4130
14:16 4140
14:20 4150
14:23 4160
14:26 4170
14:29 4180
14:32 4190
14:34 4200
14:36 4210
14:39 4220
14:46 4230
14:59 4240
15:03 4250
15:06 4260
15:15 4270
15:20 4280
15:22 4290
15:25 4300
15:27 4310
15:29 4320
15:43 4330
15:45 4340



4131.99ft: MUD VIS 54.00
4132.55ft: MUD WEIGHT 9.20
4140.72ft: SURVEY @ 4087 inc. 26.9
az. 262.0 tvd. 3717.25
4140.72ft: ZWOB from SideKick
sk-06-03-3103
4140.72ft: ZDiffPressure from
SideKick sk-06-03-3103
4140.72ft: Connection at 4142.6
4142.78ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

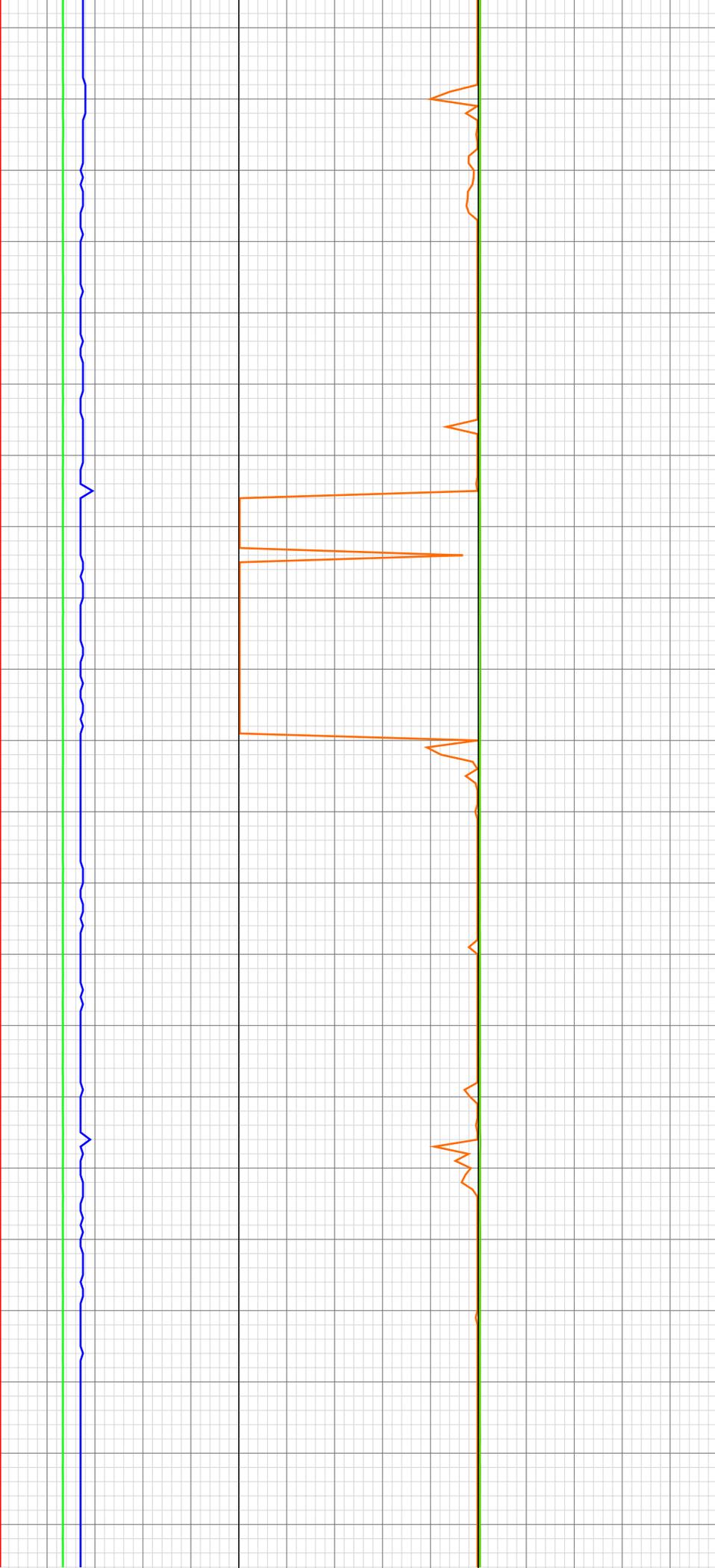
4231.92ft: Connection at 4233.7
4231.92ft: ZDiffPressure from
SideKick sk-06-03-3103
4231.92ft: SURVEY @ 4178 inc. 25.6
az. 259.8 tvd. 3798.87

4263.35ft: MUD VIS 56.00
4263.35ft: MUD WEIGHT 9.25
4267.42ft: ZDiffPressure from
SideKick sk-06-03-3103

4277.00ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

4323.20ft: SURVEY @ 4270 inc. 27.3
az. 260.2 tvd. 3881.24
4323.20ft: ZDiffPressure from
SideKick sk-06-03-3103
4323.20ft: ZWOB from SideKick
sk-06-03-3103
4324.57ft: Connection at 4325.4

15:47 4350
15:51 4360
15:54 4370
15:56 4380
15:58 4390
16:00 4400
16:04 4410
16:17 4420
16:22 4430
16:25 4440
16:33 4450
16:37 4460
16:39 4470
16:42 4480
16:45 4490
16:47 4500
17:08 4510
17:11 4520
17:14 4530
17:16 4540
17:18 4550
17:21 4560



4414.47ft: Connection at 4416.9
4414.47ft: ZDiffPressure from
SideKick sk-06-03-3103
4414.47ft: SURVEY @ 4361 inc. 25.8
az. 259.5 tvd. 3962.64

4449.93ft: ZWOB from SideKick
sk-06-03-3103
4449.93ft: ZDiffPressure from
SideKick sk-06-03-3103
4454.00ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

4505.71ft: SURVEY @ 4453 inc. 27.1
az. 260.2 tvd. 4045.0
4505.71ft: MUD VIS 55.00
4505.71ft: MUD WEIGHT 9.25
4505.71ft: Connection at 4508.5
4507.45ft: ZDiffPressure from
SideKick sk-06-03-3103
4507.45ft: ZWOB from SideKick
sk-06-03-3103

17:23 4570
17:26 4580
17:29 4590
17:39 4600
17:43 4610
17:48 4620
17:55 4630
17:57 4640
17:59 4650
18:03 4660
18:07 4670
18:11 4680
18:23 4690
18:26 4700
18:29 4710
18:32 4720
18:35 4730
18:54 4740
18:56 4750
19:00 4760
19:06 4770
19:21 4780



4596.88ft: Connection at 4600.1
4601.31ft: SURVEY @ 4545 inc 26.3
az 259.7 tvd 4127.19

4622.61ft: ZDiffPressure from
SideKick sk-06-03-3103
4622.61ft: ZWOB from SideKick
sk-06-03-3103

4682.12ft: MUD VIS 0.55
4682.74ft: MUD WEIGHT 9.30
4688.29ft: ZWOB from SideKick
sk-06-03-3103
4688.29ft: Connection at 4691.6
4688.29ft: SURVEY @ 4636 inc 27.7
az 260.1 tvd 4208.27
4688.29ft: ZDiffPressure from
SideKick sk-06-03-3103

4700.46ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

4732.45ft: ZDiffPressure from
SideKick sk-06-03-3103
4732.45ft: ZWOB from SideKick
sk-06-03-3103

4740.22ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

4779.46ft: Connection at 4783.3
4779.46ft: MUD VIS 0.57
4779.46ft: MUD WEIGHT 9.30
4779.46ft: ZDiffPressure from
SideKick sk-06-03-3103

19:27 4790
19:31 4800
19:39 4810
19:42 4820
19:47 4830
19:50 4840
19:52 4850
19:54 4860
19:56 4870
20:08 4880
20:11 4890
20:14 4900
20:18 4910
20:22 4920
20:24 4930
20:28 4940
20:30 4950
20:34 4960
20:48 4970
21:08 4980
21:12 4990
21:19 5000



4781.17ft: SURVEY @ 4728 inc 26.6
az 259.7 tvd 4290.14

4805.05ft: ZDiffPressure from
SideKick sk-06-03-3103
4805.05ft: ZWOB from SideKick
sk-06-03-3103
4805.05ft: ZWOB from DHC
4805.05ft: ZWOB from DHC

4870.60ft: Connection at 4874.8
4870.60ft: ZWOB from SideKick
sk-06-03-3103
4870.60ft: ZDiffPressure from
SideKick sk-06-03-3103
4874.54ft: SURVEY @ 4819 inc 27.4
az 261.6 tvd 4371.22

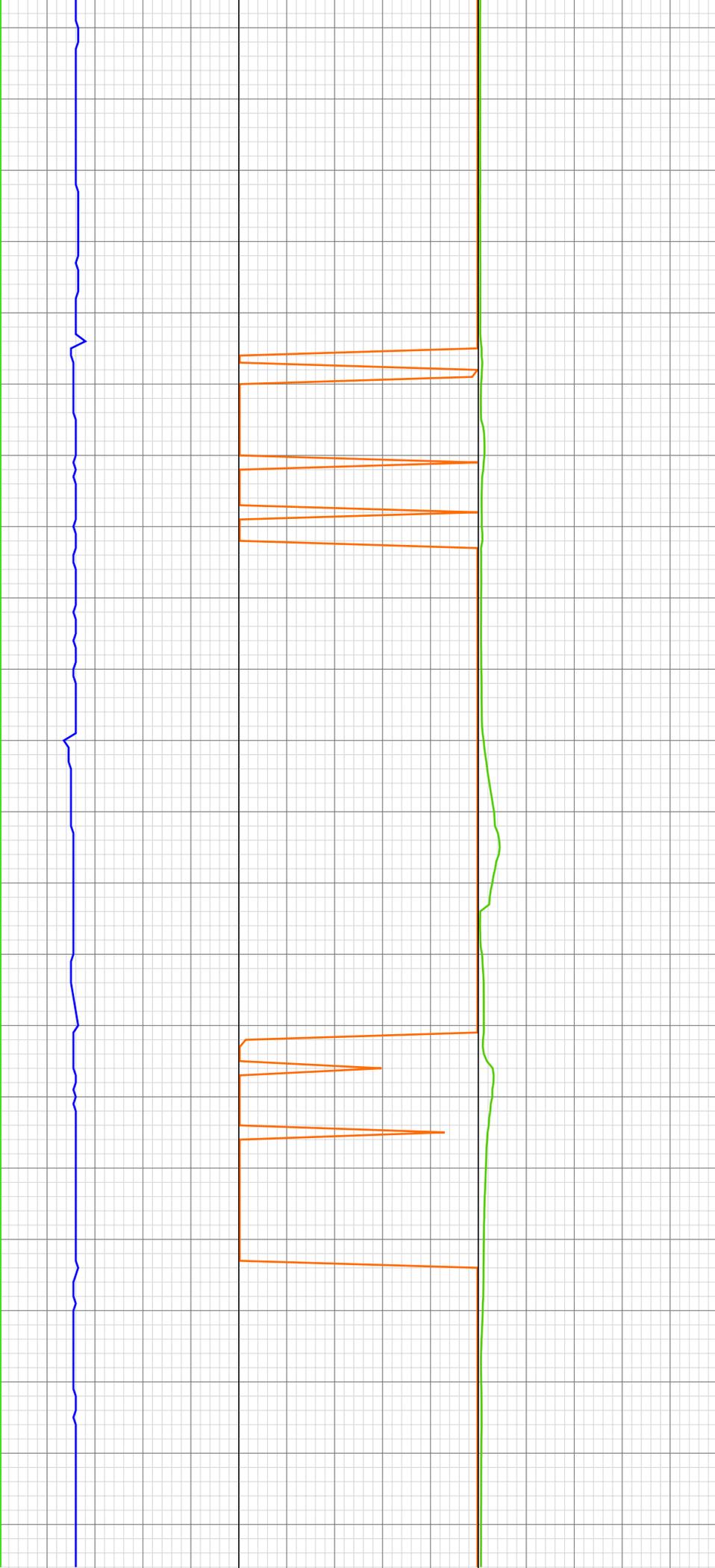
4891.17ft: MUD VIS 0.53
4891.17ft: MUD WEIGHT 9.30

4961.78ft: Connection at 4966.5
4961.78ft: ZDiffPressure from
SideKick sk-06-03-3103
4961.78ft: SURVEY @ 4911 inc 25.3
az 260.7 tvd 4453.66

4985.01ft: MUD VIS 0.52
4985.66ft: MUD WEIGHT 9.30

4998.29ft: ZDiffPressure from
SideKick sk-06-03-3103
4998.29ft: ZDIFF from DHC

21:23 5010
21:25 5020
21:28 5030
21:31 5040
21:33 5050
21:50 5060
21:57 5070
22:08 5080
22:15 5090
22:18 5100
22:22 5110
22:25 5120
22:29 5130
22:33 5140
22:42 5150
22:50 5160
22:55 5170
22:59 5180
23:05 5190
23:08 5200
23:12 5210
23:14 5220



5050.16ft: SURVEY @ 5002 inc 26.2
az 261.6 tvd 4535.62
5053.05ft: Connection at 5057.9
5053.05ft: ZWOB from SideKick
sk-06-03-3103
5053.05ft: HOOKLOAD WAS
RECALIBRATED
5053.05ft: HOOK LOAD
THRESHOLD RECALIBRATED TO
43
5053.05ft: ZERO ALL PUMPS from
SideKick sk-06-03-3103

5074.25ft: MUD VIS 0.51
5074.51ft: MUD WEIGHT 9.30

5082.55ft: ZDiffPressure from
SideKick sk-06-03-3103
5082.55ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

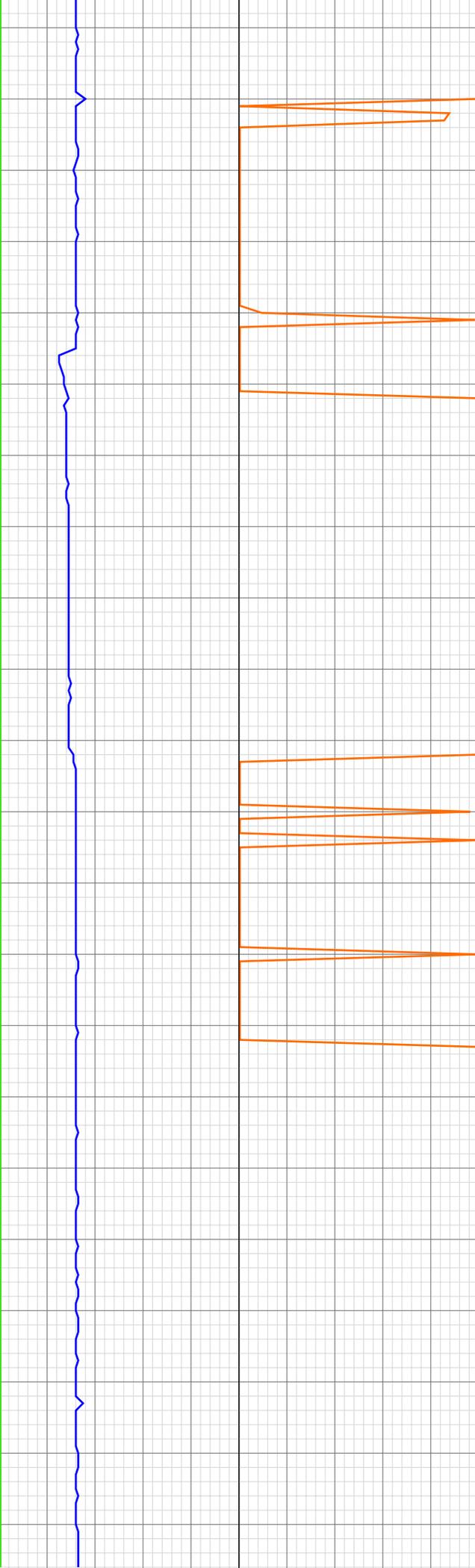
5144.16ft: Connection at 5149.4
5144.16ft: ZWOB from SideKick
sk-06-03-3103
5149.38ft: IN TALLY: HOLE DEPTH
SET TO 5149.4

5177.99ft: MUD VIS 0.50
5177.99ft: MUD WEIGHT 9.20

5183.14ft: ZDiffPressure from
SideKick sk-06-03-3103

5199.41ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

23:17 5230
23:30 5240
23:38 5250
23:48 5260
23:54 5270
Mar 20, 2012
00:02 5280
00:11 5290
00:15 5300
00:17 5310
00:22 5320
00:30 5330
00:45 5340
00:51 5350
00:58 5360
01:04 5370
01:12 5380
01:15 5390
01:19 5400
01:22 5410
01:25 5420
01:38 5430
01:44 5440



5239.90ft: Connection at 5240.7
5239.90ft: ZWOB from SideKick
sk-06-03-3103
5244.13ft: SURVEY @ 5185 inc 24.3
az 260.8 tvd 4700.95

5281.66ft: ZWOB from SideKick
sk-06-03-3103
5281.66ft: ZDiffPressure from
SideKick sk-06-03-3103
5281.66ft: MUD VIS 0.52
5281.66ft: MUD WEIGHT 9.20

5331.07ft: Connection at 5332.1
5331.07ft: SURVEY @ 5277 inc 25.6
az 260.7 tvd 4784.37
5331.07ft: ZDiffPressure from
SideKick sk-06-03-3103

5363.91ft: MUD VIS 0.52
5364.27ft: MUD WEIGHT 9.20

5372.61ft: ZDiffPressure from
SideKick sk-06-03-3103
5372.61ft: ZWOB from SideKick
sk-06-03-3103
5372.61ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

5422.05ft: ZWOB from SideKick
sk-06-03-3103
5422.05ft: Connection at 5423.5
5422.05ft: ZDiffPressure from
SideKick sk-06-03-3103

5438.94ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

01:46 5450
01:50 5460
01:53 5470
01:56 5480
01:59 5490
02:01 5500
02:03 5510
02:17 5520
02:24 5530
02:30 5540
02:36 5550
02:44 5560
02:49 5570
02:51 5580
02:54 5590
02:57 5600
03:16 5610
03:20 5620
03:25 5630
03:32 5640
03:36 5650
03:38 5660

5481.00ft: MUD VIS 0.49
5481.56ft: MUD WEIGHT 9.20

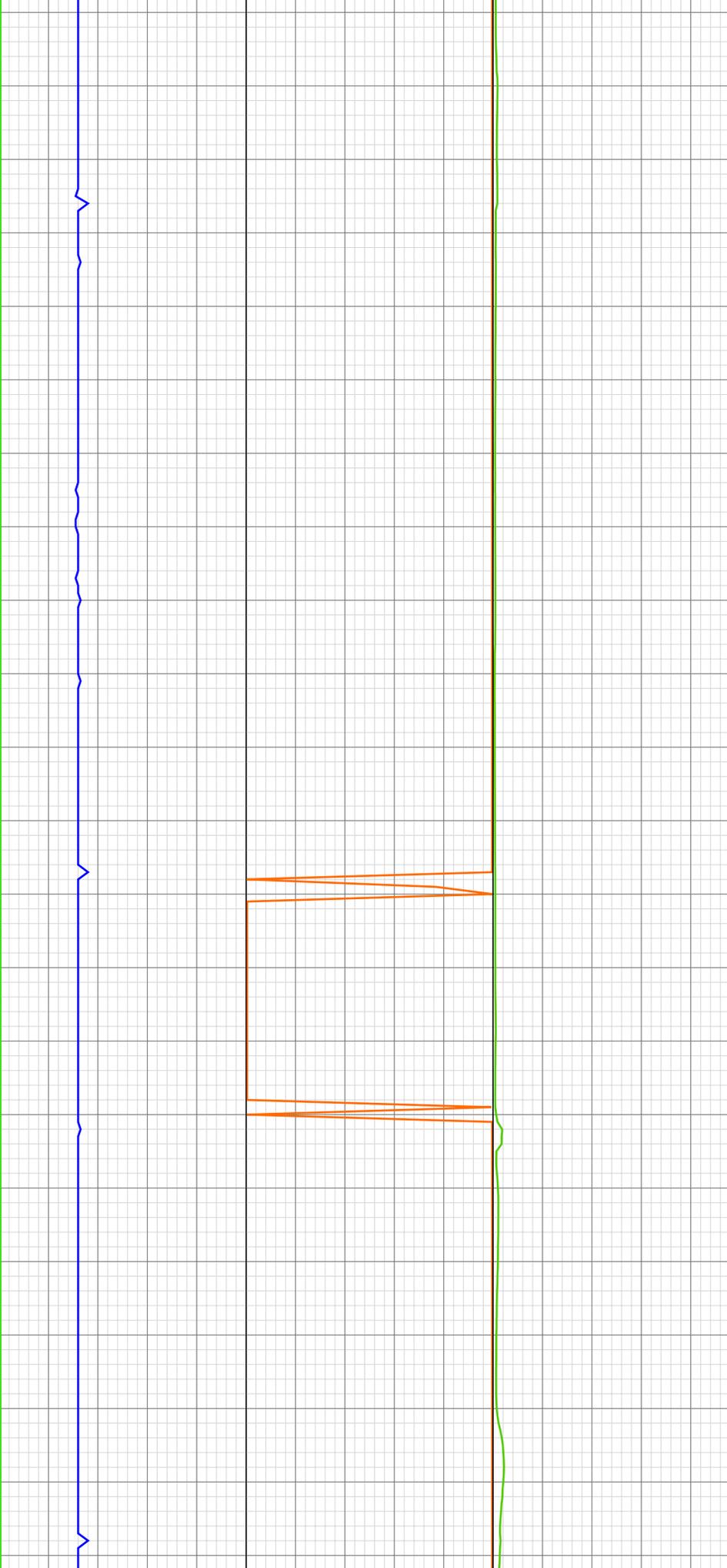
5513.06ft: Connection at 5514.8
5514.80ft: SURVEY @ 5459 inc 25.2
az 261.4 tvd 4947.52

5555.35ft: ZDiffPressure from
SideKick sk-06-03-3103
5555.35ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

5604.49ft: MUD VIS 0.53
5604.49ft: MUD WEIGHT 9.25
5604.49ft: SPR
5604.49ft: PVT Horn Disabled
5604.49ft: Connection at 5606.0
5604.49ft: SURVEY @ 5550 inc 26.8
az 260.2 tvd 5029.31
5604.49ft: PVT Horn Enabled

5634.15ft: ZDiffPressure from
SideKick sk-06-03-3103
5634.15ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

03:40 5670
03:44 5680
03:47 5690
04:00 5700
04:02 5710
04:05 5720
04:09 5730
04:12 5740
04:14 5750
04:17 5760
04:19 5770
04:22 5780
04:34 5790
04:38 5800
04:45 5810
04:50 5820
04:57 5830
05:00 5840
05:04 5850
05:07 5860
05:11 5870
05:24 5880



5695.60ft: ZWOB from SideKick sk-06-03-3103
5695.60ft: PVT Horn Disabled
5695.60ft: Connection at 5697.0
5695.60ft: ZDiffPressure from SideKick sk-06-03-3103
5695.60ft: PVT Horn Enabled
5695.60ft: MUD VIS 0.50
5695.60ft: MUD WEIGHT 9.25
5695.60ft: SURVEY @ 5642 inc 27.7 az 259.3 tvd 5111.1
5708.33ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

5786.42ft: Connection at 5788.4
5786.71ft: SURVEY @ 5733 inc 26.1 az 257.1 tvd 5192.25

5821.10ft: ZDiffPressure from SideKick sk-06-03-3103
5821.10ft: ZWOB from SideKick sk-06-03-3103

5833.01ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

5850.62ft: MUD VIS 0.50
5850.98ft: MUD WEIGHT 9.30

5877.66ft: Connection at 5879.8
5877.66ft: SURVEY @ 5824 inc 27.9 az 258 tvd 5273.33
5877.66ft: ZDiffPressure from SideKick sk-06-03-3103

05:27 5890
05:30 5900
05:33 5910
05:36 5920
05:39 5930
05:43 5940
05:46 5950
05:49 5960
06:01 5970
06:05 5980
06:08 5990
06:12 6000
06:16 6010
06:21 6020
06:25 6030
06:30 6040
06:33 6050
06:38 6060
06:54 6070
06:58 6080
07:02 6090
07:06 6100

5924.02ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

5968.90ft: SURVEY @ 5916 inc. 26.2 az. 257.0 tvd. 5355.26
5968.90ft: Connection at 5971.3

6017.85ft: MUD VIS 50.00
6018.01ft: MUD WEIGHT 9.30

6037.14ft: TEST LEL
6038.32ft: HGAS_021: LOCATION1 High LEL Alarm
6038.32ft: HGAS_004: Horn Muted
6040.19ft: HGAS_024: LOCATION2 High LEL Alarm
6040.42ft: HGAS_004: Horn Muted

6060.33ft: SURVEY @ 6007 inc. 24.7 az. 258.8 tvd. 5437.43
6060.33ft: ZWOB from SideKick sk-06-03-3103
6060.33ft: ZWOB from SideKick sk-06-03-3103
6060.33ft: ZDiffPressure from SideKick sk-06-03-3103
6062.70ft: Connection at 6062.9
6064.99ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
6072.47ft: MUD VIS 50.00
6072.47ft: MUD WEIGHT 9.30

07:10 6110
07:12 6120
07:16 6130
07:20 6140
07:23 6150
07:44 6160
07:57 6170
08:01 6180
08:04 6190
08:07 6200
08:10 6210
08:14 6220
08:17 6230
08:20 6240
08:42 6250
08:59 6260
09:04 6270
09:11 6280
09:15 6290
09:20 6300
09:24 6310
09:30 6320



6151.64ft: SURVEY @ 6098 inc. 23.6
az. 257.2 tvd. 5520.46
6151.64ft: ZDiffPressure from
SideKick sk-06-03-3103
6152.03ft: Connection at 6153.7

6164.11ft: ZWOB from SideKick
sk-06-03-3103
6164.11ft: ZDiffPressure from
SideKick sk-06-03-3103

6177.00ft: MUD VIS 50.00
6177.26ft: MUD WEIGHT 9.35

6210.11ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868
6210.63ft: TRANSFERRED 50.00

6242.62ft: Connection at 6245.2
SURVEY @ 6190 inc. 21.5 az. 260.1
tvd. 5605.43
6242.62ft: ZDiffPressure from
SideKick sk-06-03-3103

6254.95ft: MUD VIS 52.00
6254.95ft: MUD WEIGHT 9.30
6257.48ft: ZWOB from SideKick
sk-06-03-3103
6257.48ft: ZDiffPressure from
SideKick sk-06-03-3103

6270.74ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

09:35 6330
09:53 6340
10:00 6350
10:11 6360
10:17 6370
10:23 6380
10:28 6390
10:31 6400
10:39 6410
10:43 6420
11:11 6430
11:15 6440
11:18 6450
11:32 6460
11:42 6470
11:46 6480
11:51 6490
11:55 6500
11:59 6510
12:19 6520
12:25 6530
12:34 6540



6333.79ft: Connection at 6336.5
6336.98ft: SURVEY @ 6281 inc .
19.1 az. 260.3 tvd. 5690.77
6344.06ft: MUD VIS 53.00
6344.26ft: MUD WEIGHT 9.35
6353.18ft: ZWOB from SideKick
sk-06-03-3103
6353.18ft: ZDiffPressure from
SideKick sk-06-03-3103
6364.01ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
6425.03ft: Connection at 6427.9
6425.03ft: ZDiffPressure from
SideKick sk-06-03-3103
6425.03ft: ZWOB from SideKick
sk-06-03-3103
6425.03ft: SURVEY @ 6372 inc. 16.1
az. 266.0 tvd. 5777.51
6425.03ft: MUD VIS 52.00
6425.03ft: MUD WEIGHT 9.35
6426.54ft: ZDiffPressure from
SideKick sk-06-03-3103
6426.54ft: ZWOB from SideKick
sk-06-03-3103
6459.38ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
6502.00ft: MUD VIS 51.00
6502.36ft: MUD WEIGHT 9.40
6516.17ft: Connection at 6519.4
6517.29ft: SURVEY @ 6464 inc. 15.7
az. 264.9 tvd. 5865.99
6533.20ft: ZDiffPressure from
SideKick sk-06-03-3103
6533.20ft: ZWOB from SideKick
sk-06-03-3103
6533.20ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

12:38 6550
12:49 6560
12:54 6570
12:58 6580
13:02 6590
13:06 6600
14:13 6610
14:19 6620
14:32 6630
14:39 6640
14:48 6650
14:58 6660
15:04 6670
15:09 6680
15:15 6690
15:29 6700
15:35 6710
15:47 6720
15:53 6730
15:56 6740
16:00 6750
16:03 6760



6564.30ft: MUD VIS 52.00
6564.30ft: MUD WEIGHT 9.40

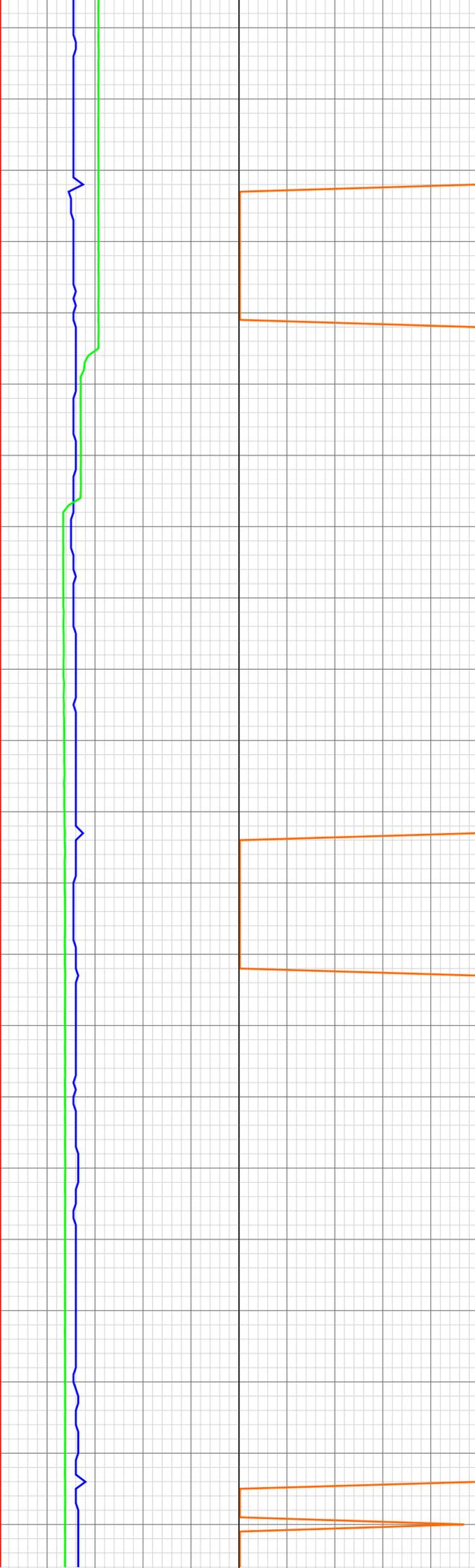
6607.22ft: Connection at 6610.8
Connection at 6610.8
6607.22ft: SURVEY @ 6555 inc. 13.4
az. 262.3 tvd. 5954.06
6607.22ft: MUD VIS 53.00
6607.22ft: MUD WEIGHT 9.45
6607.22ft: ZDiffPressure from
SideKick sk-06-03-3103

6622.38ft: ZDiffPressure from
SideKick sk-06-03-3103
6622.38ft: ZWOB from SideKick
sk-06-03-3103

6698.56ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
6698.56ft: ZWOB from SideKick
sk-06-03-3103
6699.67ft: Connection at 6702.3
6702.46ft: IN TALLY: HOLE DEPTH
SET TO 6702.3
6703.18ft: SURVEY @ 6647 inc. 11.3
az. 264.5 tvd. 6043.93

6718.93ft: ZWOB from SideKick
sk-06-03-3103
6718.93ft: ZDiffPressure from
SideKick sk-06-03-3103

16:07 6770
16:11 6780
16:14 6790
16:30 6800
16:37 6810
16:49 6820
16:58 6830
17:15 6840
17:22 6850
17:27 6860
17:35 6870
17:40 6880
17:55 6890
18:00 6900
18:10 6910
18:13 6920
18:23 6930
18:35 6940
18:40 6950
18:46 6960
18:53 6970
19:09 6980



6787.57ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
6791.86ft: Connection at 6793.7
6791.86ft: MUD VIS 52.00
6791.86ft: MUD WEIGHT 9.50
6791.86ft: SURVEY @ 6738 inc. 9.1 az. 260.9 tvd. 6133.49

6811.65ft: ZWOB from SideKick sk-06-03-3103
6811.65ft: ZDiffPressure from SideKick sk-06-03-3103

6828.64ft: MUD VIS 53.00
6828.81ft: MUD WEIGHT 9.50

6879.20ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
6882.84ft: Connection at 6885.1
6883.99ft: SURVEY @ 6830 inc. 7.6 az. 261.6 tvd. 6224.51

6902.26ft: ZDiffPressure from SideKick sk-06-03-3103
6902.26ft: ZWOB from SideKick sk-06-03-3103
6902.26ft: ZWOB from SideKick sk-06-03-3103
6903.15ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
6912.57ft: MUD VIS 0.52
6912.99ft: MUD WEIGHT 9.50

6940.09ft: ZERO ALL PUMPS from SideKick sk-06-03-3103

6968.73ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
6973.52ft: Connection at 6976.7 C/C-O-M
6973.52ft: ZWOB from SideKick sk-06-03-3103
6973.52ft: MUD VIS 0.51
6973.52ft: MUD WEIGHT 9.50
6978.38ft: SURVEY @ 6921 inc 5.7 az 264.4 tvd 6314.89

19:15 6990
19:25 7000
19:28 7010
19:32 7020
19:35 7030
19:39 7040
19:46 7050
19:59 7060
20:27 7070
20:39 7080
20:48 7090
20:57 7100
21:09 7110
21:19 7120
21:35 7130
21:40 7140
21:46 7150
22:02 7160
22:11 7170
22:22 7180
22:29 7190
22:34 7200



6996.23ft: ZWOB from SideKick sk-06-03-3103
6996.23ft: ZDiffPressure from SideKick sk-06-03-3103
6996.23ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

7057.74ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
7064.04ft: ZWOB from SideKick sk-06-03-3103
7064.04ft: Connection at 7067.8
7065.16ft: SURVEY @ 7012 inc 4.7 az 255.9 tvd 6405.52

7086.71ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
7086.71ft: ZWOB from SideKick sk-06-03-3103
7086.71ft: ZDiffPressure from SideKick sk-06-03-3103
7087.60ft: TRAN -50 BBLS

7102.00ft: MUD VIS 0.50
7102.00ft: MUD WEIGHT 9.45

7125.66ft: ZDiffPressure from SideKick sk-06-03-3103
7125.66ft: ZWOB from SideKick sk-06-03-3103

7135.01ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

7156.14ft: ZWOB from SideKick sk-06-03-3103
7156.14ft: Connection at 7159.3
7156.50ft: MUD VIS 0.47
7156.89ft: MUD WEIGHT 9.30
7157.74ft: SURVEY @ 7104 inc 3.2 az 224.3 tvd 6497.31

7177.79ft: ZWOB from SideKick sk-06-03-3103
7177.79ft: ZDiffPressure from SideKick sk-06-03-3103
7177.79ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

22:39 7210
22:46 7220
22:55 7230
23:03 7240
23:19 7250
23:33 7260
23:46 7270
Mar 21, 2012
00:04 7280
00:10 7290
00:14 7300
00:21 7310
00:26 7320
00:33 7330
00:50 7340
01:01 7350
01:14 7360
01:26 7370
01:39 7380
01:48 7390
01:56 7400
02:06 7410
02:10 7420



7239.17ft: MUD VIS 0.48
7239.17ft: MUD WEIGHT 9.20
7242.13ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
7247.18ft: ZWOB from SideKick sk-06-03-3103
7247.18ft: Connection at 7250.8 SURVEY @ 7195 inc 2.7 az 222.4 tvd 6588.19
7249.25ft: TRANS-50 BBLs

7272.01ft: ZWOB from SideKick sk-06-03-3103
7272.01ft: ZDiffPressure from SideKick sk-06-03-3103
7272.01ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

7283.01ft: MUD VIS 0.50
7283.01ft: MUD WEIGHT 9.25

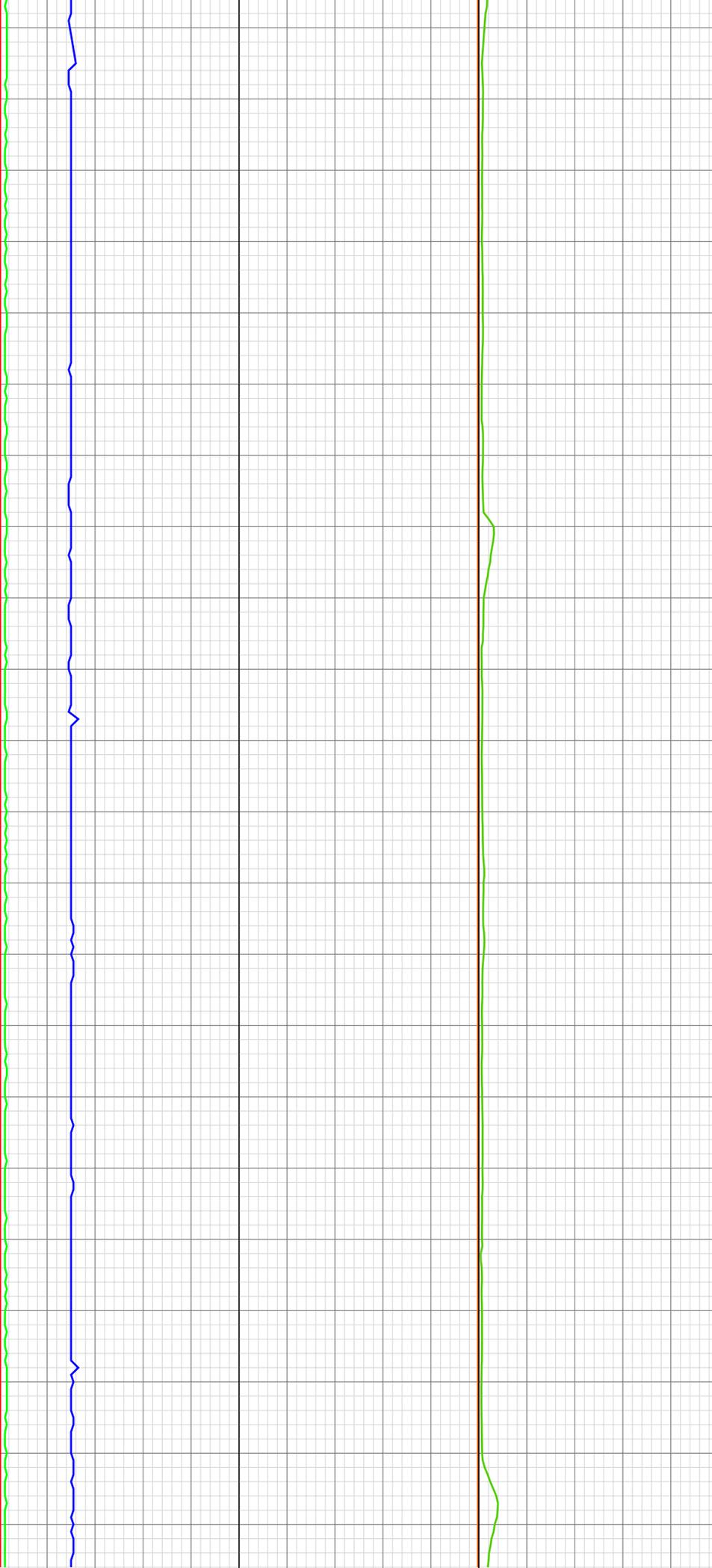
7331.99ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
7338.32ft: Connection at 7342.4
7338.32ft: ZWOB from SideKick sk-06-03-3103
7338.32ft: SURVEY @ 7287 inc 1.8 az 245.4 tvd 6680.12
7338.32ft: ZDiffPressure from SideKick sk-06-03-3103

7370.67ft: ZDiffPressure from SideKick sk-06-03-3103
7370.67ft: ZWOB from SideKick sk-06-03-3103
7370.67ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

7401.74ft: MUD VIS 0.49
7401.74ft: MUD WEIGHT 9.30

7423.46ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

02:32 7430
02:38 7440
02:46 7450
02:53 7460
03:02 7470
03:09 7480
03:14 7490
03:20 7500
03:26 7510
03:33 7520
03:52 7530
03:57 7540
04:04 7550
04:10 7560
04:17 7570
04:24 7580
04:28 7590
04:34 7600
04:41 7610
04:58 7620
05:06 7630
05:10 7640



7429.10ft: ZWOB from SideKick
sk-06-03-3103
7429.10ft: SURVEY @ 7379 inc .8
az 300.4 tvd 6772.1
7429.10ft: Connection at 7434.0 SPR
7434.12ft: IN TALLY: HOLE DEPTH
SET TO 7434.0

7458.07ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868
7464.08ft: MUD VIS 0.48
7464.24ft: MUD WEIGHT 9.40

7520.01ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
7526.08ft: ZWOB from SideKick
sk-06-03-3103
7526.08ft: Connection at 7525.5
SURVEY @ 7470 inc .7 az 313.5
tvd 6863.09
7526.08ft: ZDiffPressure from
SideKick sk-06-03-3103

7539.37ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868
7542.49ft: MUD VIS 0.51
7542.62ft: MUD WEIGHT 9.40

7617.13ft: ZWOB from SideKick
sk-06-03-3103
7617.13ft: SURVEY @ 7561 inc .7
az 286.3 tvd 6954.08
7617.13ft: Connection at 7616.9
7617.13ft: ZDiffPressure from
SideKick sk-06-03-3103

7635.47ft: MUD VIS 0.51
7635.99ft: MUD WEIGHT 9.50

05:13 7650
05:17 7660
05:26 7670
05:31 7680
05:35 7690
05:43 7700
06:01 7710
06:06 7720
06:17 7730
06:23 7740
06:28 7750
06:33 7760
06:37 7770
06:46 7780
06:54 7790
07:13 7800
07:18 7810
07:22 7820
07:29 7830
07:37 7840
07:43 7850
07:50 7860



7655.28ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

7708.27ft: SURVEY @ 7653 inc. 0.8 az. 268.9 tvd. 7046.07
7708.27ft: ZWOB from SideKick sk-06-03-3103
7708.27ft: Connection at 7708.4
7718.01ft: HGAS_021: LOCATION1 High LEL Alarm
7718.31ft: HGAS_004: Horn Muted
7722.31ft: HGAS_024: LOCATION2 High LEL Alarm
7722.61ft: HGAS_004: Horn Muted
7725.69ft: TEST LEL
7726.74ft: MUD VIS 51.00
7726.77ft: MUD WEIGHT 9.55

7799.44ft: ZERO PUMP1 from SideKick sk-06-03-3103
7799.44ft: ZWOB from SideKick sk-06-03-3103
7799.44ft: ZDiffPressure from SideKick sk-06-03-3103
7799.44ft: Connection at 7800.2
SURVEY @ 7745 inc. 1.0 az. 256.5 tvd. 7138.06
7799.44ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
7808.99ft: TRANSFERRED 50.00

7858.01ft: MUD VIS 51.00
7858.01ft: MUD WEIGHT 9.55

08:03 7870
08:11 7880
08:29 7890
08:37 7900
08:44 7910
08:51 7920
09:00 7930
09:04 7940
09:11 7950
09:18 7960
09:24 7970
09:31 7980
09:55 7990
10:08 8000
10:25 8010
10:35 8020
10:59 8030
11:11 8040
11:18 8050
11:22 8060
11:27 8070
11:55 8080



7890.81ft: SURVEY @ 7836 inc. 0.8
az. 235.7 tvd. 7229.05
7890.81ft: ZWOB from SideKick
sk-06-03-3103
7890.81ft: ZDiffPressure from
SideKick sk-06-03-3103
7890.81ft: Connection at 7891.8

7908.99ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

7926.25ft: MUD VIS 51.00
7926.25ft: MUD WEIGHT 9.55

7982.25ft: SURVEY @ 7928 inc. 1.1
az. 246.0 tvd. 7321.04
7982.64ft: Connection at 7983.2

7991.01ft: MUD VIS 53.00
7991.21ft: MUD WEIGHT 9.55
7996.56ft: ZWOB from SideKick
sk-06-03-3103
7996.56ft: ZDiffPressure from
SideKick sk-06-03-3103
7998.82ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

8028.35ft: ZDiffPressure from
SideKick sk-06-03-3103
8028.45ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
8033.69ft: MUD VIS 51.00
8033.79ft: MUD WEIGHT 9.60

8073.36ft: SURVEY @ 8019 inc. 1.1
az. 235.6 tvd. 7412.02
8073.36ft: HOOK LOAD HIGH
RECALIBRATED
8073.36ft: Connection at 8074.7
8075.00ft: MUD VIS 51.00
8075.00ft: MUD WEIGHT 9.60

12:18 8090
12:37 8100
12:41 8110
12:48 8120
12:53 8130
13:00 8140
13:05 8150
13:11 8160
13:35 8170
13:41 8180
13:47 8190
13:53 8200
14:02 8210
14:11 8220
14:19 8230
14:25 8240
14:33 8250
14:49 8260
14:56 8270
15:06 8280
15:11 8290
15:15 8300



8094.91ft: ZWOB from SideKick sk-06-03-3103
8097.67ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

8164.47ft: SURVEY @ 8111 inc. 0.7 az. 109.2 tvd. 7504.02
8164.47ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
8164.47ft: ZWOB from SideKick sk-06-03-3103
8164.47ft: ZDiffPressure from SideKick sk-06-03-3103
8164.47ft: Connection at 8166.1

8255.81ft: ZDiffPressure from SideKick sk-05-11-1627
8255.81ft: ZWOB from SideKick sk-05-11-1627
8255.81ft: Connection at 8257.4
8262.01ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

8279.66ft: MUD VIS 0.51
8279.89ft: MUD WEIGHT 9.60

15:20 8310
15:28 8320
15:41 8330
15:54 8340
16:11 8350
16:26 8360
16:47 8370
16:56 8380
17:05 8390
17:12 8400
17:20 8410
17:26 8420
17:36 8430
17:53 8440
18:00 8450
18:09 8460
18:20 8470
18:33 8480
18:42 8490
18:50 8500
19:00 8510
19:04 8520



8347.11ft: Connection at 8348.9
8348.59ft: SURVEY @ 8293 inc. 1.3
az. 157.5 tvd. 7685.99

8361.61ft: ZDiffPressure from
SideKick sk-05-11-1627
8363.09ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

8386.48ft: MUD VIS 0.55
8387.20ft: MUD WEIGHT 9.60

8438.16ft: SURVEY @ 8385 inc. 0.6
az. 71.7 tvd. 7777.98
8438.16ft: ZWOB from SideKick
sk-05-11-1627
8438.16ft: ZDiffPressure from
SideKick sk-05-11-1627
8438.16ft: Connection at 8440.4
8440.39ft: IN TALLY: HOLE DEPTH
SET TO 8440.4

8468.41ft: MUD VIS 0.54
8468.64ft: MUD WEIGHT 9.70

8474.21ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

8505.91ft: MUD VIS 0.50
8506.76ft: MUD WEIGHT 9.70

19:11 8530
19:35 8540
19:40 8550
19:46 8560
19:54 8570
20:02 8580
20:11 8590
20:23 8600
20:32 8610
20:41 8620
21:04 8630
21:12 8640
21:19 8650
21:29 8660
21:44 8670
21:57 8680
22:11 8690
22:17 8700
22:26 8710
Mar 22, 2012
22:52 8720
23:04 8730
23:15 8740

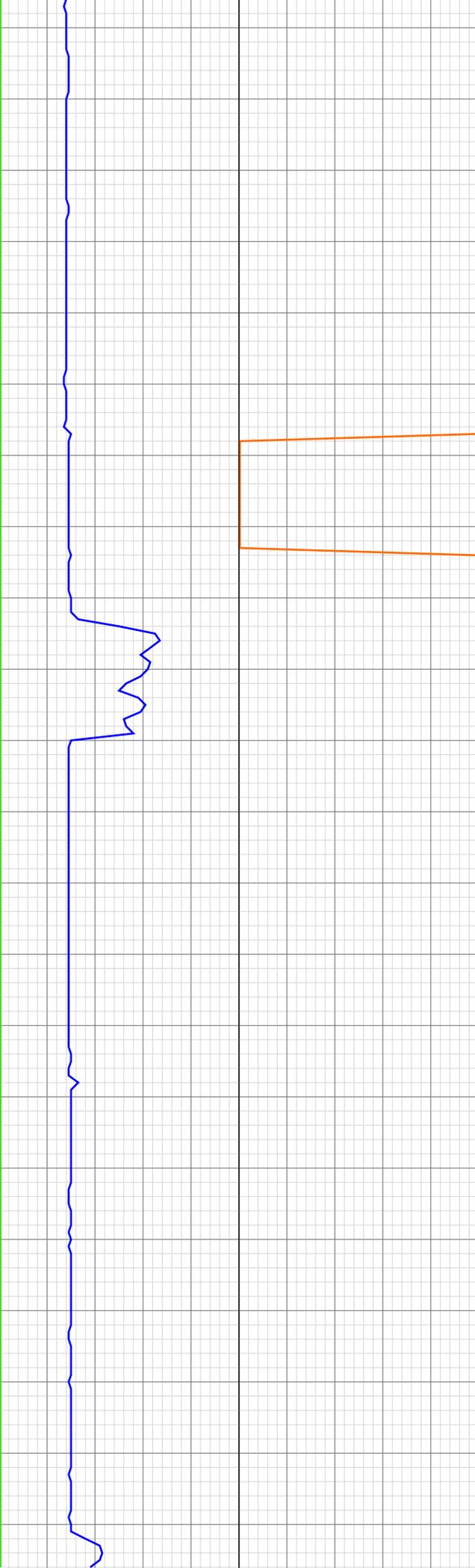


8531.76ft: SURVEY @ 8476 INC .6
AZ 49.5 TVD 7868.97
8531.76ft: Connection at 8531.7
8531.76ft: ZDiffPressure from
SideKick sk-05-11-1627
8538.09ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

8587.14ft: MUD VIS 0.50
8587.14ft: MUD WEIGHT 9.75

8622.97ft: Connection at 8623.2
8622.97ft: SURVEY @ 8568 INC .1
AZ 39.6 TVD 7960.97
8627.72ft: MUD VIS 0.52
8627.72ft: MUD WEIGHT 9.75
8632.41ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868
8651.48ft: PUMP OUT CELLAR
8684.94ft: MUD VIS 0.52
8685.37ft: MUD WEIGHT 9.80
8714.14ft: PUMP SWEEP
8714.14ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
8714.14ft: FLOW CHECK
8714.14ft: MUD VIS 0.50
8714.14ft: MUD WEIGHT 9.80
8714.14ft: NO FLOW
8714.14ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
8714.14ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
8714.14ft: MUD VIS 0.48
8714.14ft: MUD WEIGHT 9.80
8714.14ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
8714.14ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
8714.14ft: ZWOB from SideKick
sk-05-11-1627
8714.14ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
8714.14ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
8714.14ft: ZWOB from SideKick
sk-05-11-1627
8714.14ft: ZDiffPressure from
SideKick sk-05-11-1627
8714.14ft: ZDiffPressure from
SideKick sk-05-11-1627
8714.14ft: ZWOB from SideKick
sk-05-11-1627
8714.14ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
8714.14ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
8714.14ft: MUD VIS 47.00
8714.14ft: MUD WEIGHT 9.90
8714.14ft: TRANSFERRED 50.00
8714.14ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
8714.14ft: TRANSFERRED 50.00
8714.14ft: ZDiffPressure from
SideKick sk-05-11-1627
8714.14ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
8714.14ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868
8714.14ft: TRANSFERRED 70.00
8714.14ft: ZWOB from SideKick
sk-05-11-1627
8714.14ft: ZDiffPressure from
SideKick sk-05-11-1627
8714.14ft: MUD VIS 51.00
8714.14ft: MUD WEIGHT 9.90
8714.14ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
8714.14ft: ZERO ALL PUMPS from

23:23 8750
23:33 8760
23:42 8770
23:52 8780
00:00 8790
Mar 23, 2012
00:06 8800
00:28 8810
00:40 8820
01:00 8830
01:08 8840
01:18 8850
01:28 8860
01:36 8870
01:45 8880
01:56 8890
02:36 8900
02:42 8910
02:49 8920
02:56 8930
03:02 8940
03:10 8950
03:17 8960



SideKick sk-05-11-1627
8714.14ft: MUD VIS 60.00
8714.14ft: MUD WEIGHT 9.90
8714.14ft: BIT DEPTH CHANGED TO 6059.5 FEET
8714.14ft: MUD VIS 0.60
8714.14ft: MUD WEIGHT 9.90
8714.14ft: MUD VIS 0.48
8714.14ft: MUD WEIGHT 9.90
8714.14ft: MUD VIS 0.56
8714.14ft: MUD WEIGHT 9.90
8714.14ft: MUD VIS 0.58
8714.14ft: MUD WEIGHT 9.90
8714.14ft: MUD VIS 0.60
8714.14ft: MUD WEIGHT 9.90
8714.76ft: IN TALLY: HOLE DEPTH SET TO 8714.8
8714.76ft: ZWOB from SideKick sk-05-11-1627
8714.76ft: ZDiffPressure from SideKick sk-05-11-1627
8715.03ft: Connection at 8714.8
8723.79ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
8731.76ft: MUD VIS 0.61
8731.76ft: MUD WEIGHT 9.90
8796.69ft: MUD VIS 0.61
8796.88ft: MUD WEIGHT 9.80

8806.17ft: ZWOB from SideKick sk-05-11-1627
8806.17ft: Connection at 8806.3
8806.17ft: ZDIFF from DHC
8806.17ft: SURVEY @ 8756 INC 1 AZ 210.6 TVD 8148.96

8823.79ft: ZWOB from SideKick sk-05-11-1627
8823.79ft: ZWOB from DHC
8823.79ft: ZDIFF from DHC
8823.79ft: ZWOB from SideKick sk-05-11-1627
8829.99ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
8834.12ft: MUD VIS 0.62
8834.35ft: MUD WEIGHT 9.90

8897.15ft: SURVEY @ 8847 INC 1.6 AZ 300.8 TVD 8239.94
8897.15ft: Connection at 8897.7
8897.15ft: ZWOB from SideKick sk-05-11-1627
8897.15ft: ZDiffPressure from SideKick sk-05-11-1627

8938.22ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
8942.85ft: MUD VIS 0.61
8943.04ft: MUD WEIGHT 9.90

03:25 8970
03:34 8980
03:58 8990
04:05 9000
04:13 9010
04:20 9020
04:27 9030
04:33 9040
04:39 9050
04:46 9060
04:54 9070
05:17 9080
05:26 9090
05:32 9100
05:42 9110
05:50 9120
05:59 9130
06:06 9140
06:14 9150
06:21 9160
06:29 9170
06:59 9180

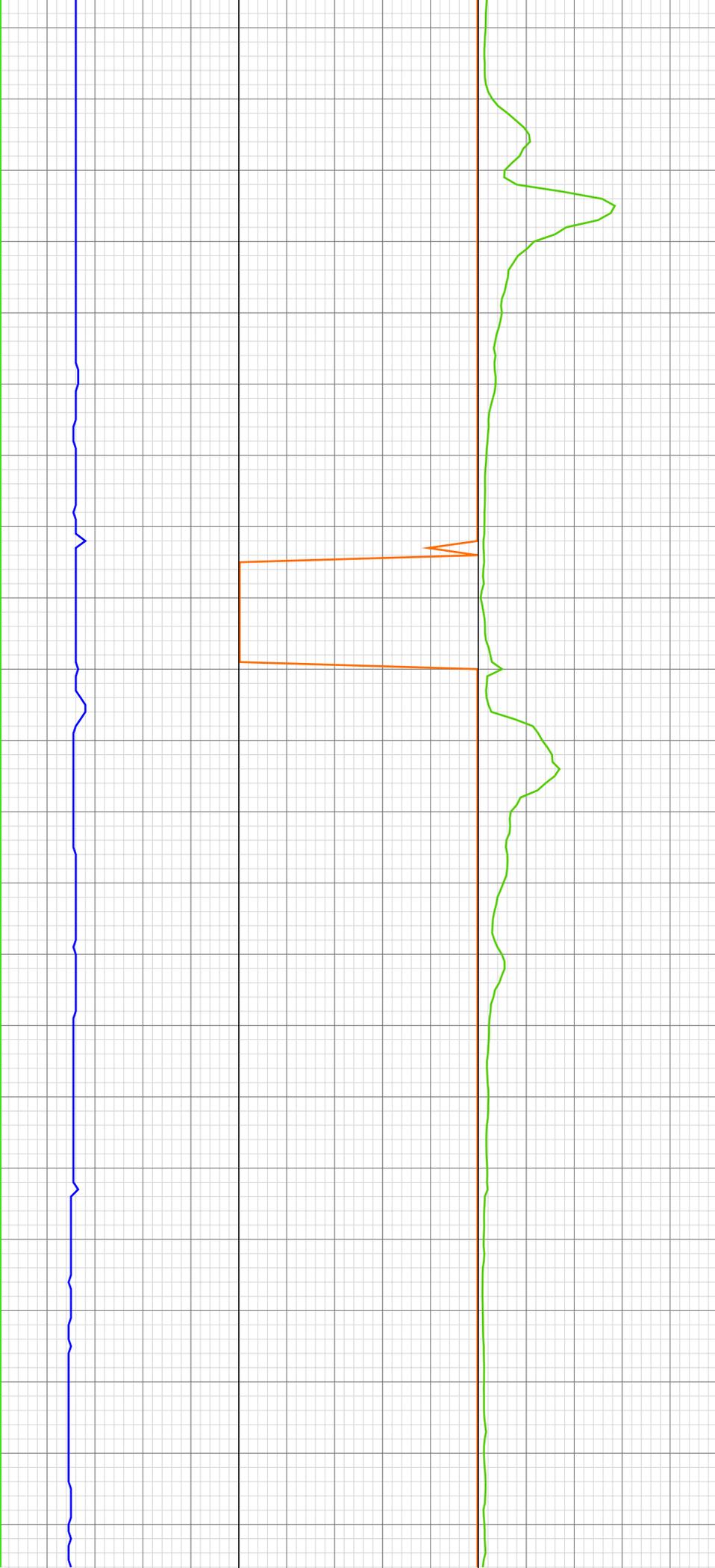


8987.76ft: SURVEY @ 8939 INC 1.5
AZ 300.8 TVD 8331.91
8987.76ft: Connection at 8989.2
8987.76ft: ZDiffPressure from
SideKick sk-05-11-1627
8987.76ft: ZWOB from SideKick
sk-05-11-1627
8988.39ft: MUD VIS 0.59
8988.45ft: MUD WEIGHT 9.90
8991.14ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797

9078.74ft: MUD VIS 0.60
9078.74ft: MUD WEIGHT 9.90
9078.74ft: ZWOB from SideKick
sk-05-11-1627
9078.74ft: Connection at 9080.5
SURVEY @ 9030 INC 1.5 AZ 285.6
TVD 8422.88
9078.74ft: ZDiffPressure from
SideKick sk-05-11-1627
9079.63ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

9170.01ft: SURVEY @ 9121 INC. 1.5
AZ. 264.8 TVD. 8513.85
9170.01ft: HGAS_020: LOCATION1
Low LEL Alarm
9170.01ft: HGAS_021: LOCATION1
High LEL Alarm
9170.01ft: HGAS_004: Horn Muted
9170.01ft: HGAS_024: LOCATION2
High LEL Alarm
9170.01ft: ZDiffPressure from
SideKick sk-05-11-1627
9170.01ft: HGAS_004: Horn Muted
9170.01ft: ZWOB from SideKick
sk-05-11-1627
9170.14ft: TEST LEL
9170.34ft: Connection at 9172.0
9173.33ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
9179.23ft: ZWOB from SideKick
sk-05-11-1627

07:07 9190
07:14 9200
07:21 9210
07:27 9220
07:36 9230
07:45 9240
07:52 9250
07:59 9260
08:29 9270
08:54 9280
09:09 9290
09:17 9300
09:25 9310
09:33 9320
09:42 9330
09:48 9340
09:52 9350
10:12 9360
10:22 9370
10:30 9380
10:39 9390
10:47 9400



9236.22ft: MUD VIS 57.00
9236.22ft: MUD WEIGHT 9.90

9261.19ft: ZDiffPressure from SideKick sk-05-11-1627
9261.19ft: Connection at 9263.3
9263.29ft: TRANSFERRED 20.00 SURVEY @ 9213 INC. 1.6 AZ. 260.9 TVD. 8605.82

9279.40ft: MUD VIS 58.00
9279.40ft: MUD WEIGHT 10.00
9279.72ft: ZDiffPressure from SideKick sk-05-11-1627
9279.72ft: ZWOB from SideKick sk-05-11-1627
9279.72ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
9287.07ft: ZWOB from SideKick sk-05-11-1627
9287.07ft: ZDiffPressure from SideKick sk-05-11-1627

9352.49ft: SURVEY @ 9304 INC. 0.5 AZ. 205.4 TVD. 8696.80
9352.49ft: ZWOB from SideKick sk-05-11-1627
9352.49ft: ZDiffPressure from SideKick sk-05-11-1627
9352.49ft: ZDiffPressure from SideKick sk-05-11-1627
9352.49ft: Connection at 9354.6
9352.49ft: MUD VIS 59.00
9352.49ft: MUD WEIGHT 10.05
9360.70ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

10:58 9410
11:05 9420
11:14 9430
11:21 9440
11:44 9450
11:53 9460
12:01 9470
12:09 9480
12:17 9490
12:25 9500
12:33 9510
12:41 9520
12:50 9530
13:18 9540
13:28 9550
13:49 9560
13:57 9570
14:06 9580
14:15 9590
14:22 9600
14:32 9610
14:42 9620



9410.83ft: MUD VIS 59.00
9410.83ft: MUD WEIGHT 10.10

9443.64ft: SURVEY @ 9395 INC. 0.9
AZ. 222.3 TVD. 8787.79
9443.64ft: ZDiffPressure from
SideKick sk-05-11-1627
9443.64ft: ZWOB from SideKick
sk-05-11-1627
9448.98ft: Connection at 9445.8
9451.61ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

9474.87ft: MUD VIS 58.00
9474.87ft: MUD WEIGHT 10.10

9534.88ft: Connection at 9537.1
9535.66ft: SURVEY @ 9487 INC. 1.3
AZ. 231.9 TVD. 8879.78

9557.42ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
9557.42ft: ZWOB from SideKick
sk-05-11-1627
9557.42ft: ZDiffPressure from
SideKick sk-05-11-1627
9561.06ft: MUD VIS 57.00
9561.06ft: MUD WEIGHT 10.10

9625.85ft: SURVEY @ 9578 INC. 1.5
AZ. 16.4 TVD. 8970.77

15:07 9630
15:18 9640
15:26 9650
15:40 9660
15:53 9670
16:13 9680
16:25 9690
16:33 9700
16:43 9710
17:29 9720
17:45 9730
17:54 9740
18:03 9750
18:17 9760
18:28 9770
18:39 9780
18:48 9790
18:57 9800
19:28 9810
19:37 9820
19:47 9830
19:53 9840



9625.85ft: Connection at 9628.6
9627.49ft: MUD VIS 60.00
9627.49ft: MUD WEIGHT 10.10
9629.43ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

9676.48ft: MUD VIS 60.00
9676.48ft: MUD WEIGHT 10.10

9682.38ft: TRANSFERRED 60.00

9717.03ft: MUD VIS 60.00
9717.03ft: MUD WEIGHT 10.15
9717.03ft: SURVEY @ 9669 INC. 0.7
AZ. 36.9 TVD. 9061.75
9717.03ft: ZWOB from SideKick sk-05-11-1627
9717.03ft: ZDiffPressure from SideKick sk-05-11-1627
9717.03ft: Connection at 9719.8
9723.26ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

9753.41ft: ZDiffPressure from SideKick sk-05-11-1627
9753.41ft: ZWOB from SideKick sk-05-11-1627

9767.45ft: MUD VIS 0.59
9767.45ft: MUD WEIGHT 10.15

9805.84ft: MUD VIS 0.59
9805.91ft: MUD WEIGHT 10.15
9808.07ft: ZWOB from SideKick sk-05-11-1627
9808.07ft: Connection at 9811.1
9808.07ft: C/C-O-M
9808.07ft: ZDiffPressure from SideKick sk-05-11-1627
9812.43ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

19:58 9850
20:06 9860
20:17 9870
20:25 9880
20:32 9890
20:54 9900
21:00 9910
21:09 9920
21:20 9930
21:28 9940
21:37 9950
21:44 9960
21:53 9970
22:02 9980
22:13 9990
22:36 10000
22:44 10010
22:52 10020
23:04 10030
23:20 10040
23:29 10050
23:37 10060



9856.56ft: MUD VIS 0.58
9856.73ft: MUD WEIGHT 10.15

9898.82ft: ZWOB from SideKick
sk-05-11-1627
9898.82ft: SURVEY @ 9852 INC .2
AZ 250.9 TVD 9244.75 Connection
at 9902.5
9898.82ft: ZDiffPressure from
SideKick sk-05-11-1627
9902.99ft: IN TALLY: HOLE DEPTH
SET TO 9902.5
9903.15ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868
9905.94ft: PUMP OUT CELLAR

9916.80ft: MUD VIS 0.60
9916.80ft: MUD WEIGHT 10.15

9978.05ft: MUD VIS 0.60
9978.05ft: MUD WEIGHT 10.25

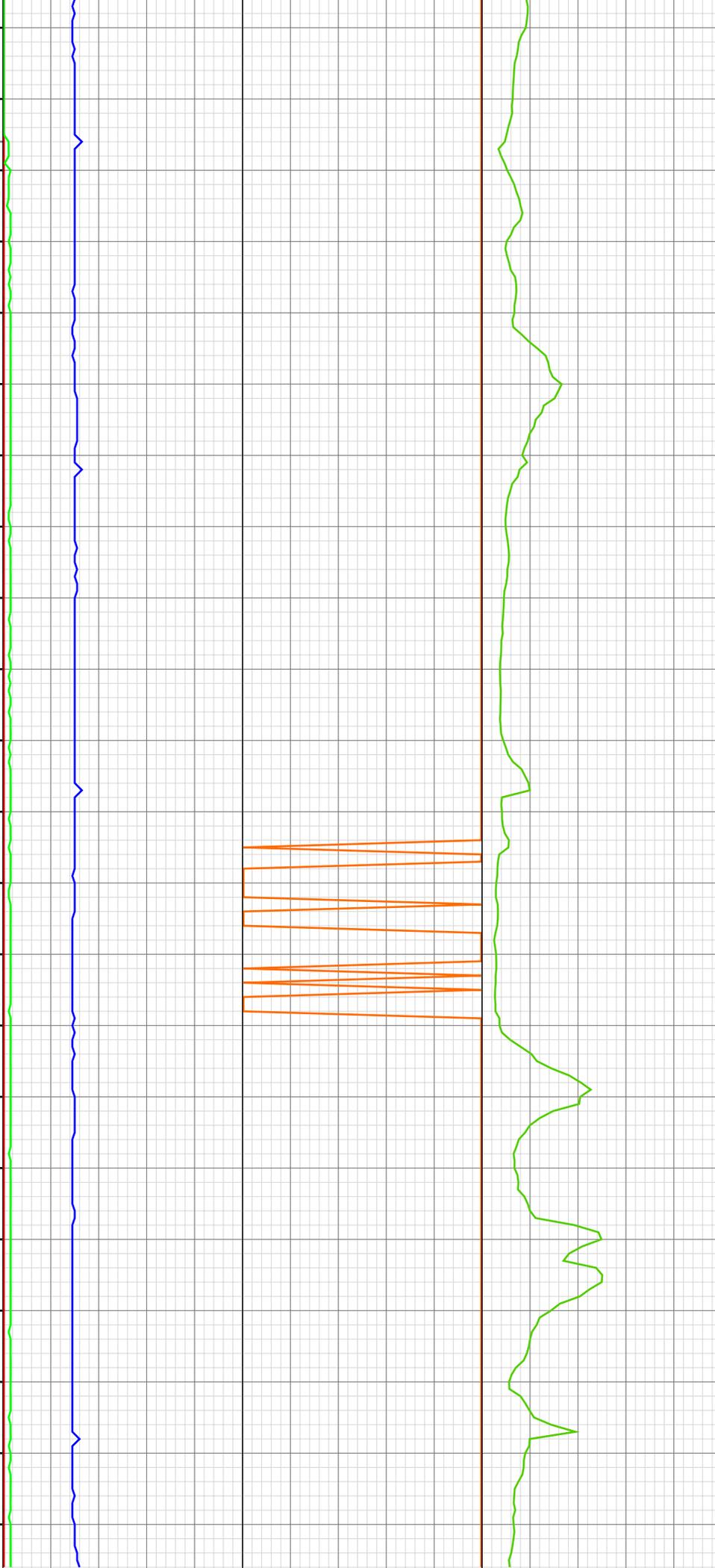
9994.72ft: ZWOB from SideKick
sk-05-11-1627
9994.72ft: Connection at 9993.7
9994.72ft: SURVEY @ 9943 INC .7
AZ 243 TVD 9335.74
9994.72ft: ZDiffPressure from
SideKick sk-05-11-1627

10016.24ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

10026.61ft: MUD VIS 0.58
10026.77ft: MUD WEIGHT 10.25

10038.06ft: ZDiffPressure from
SideKick sk-05-11-1627
10038.06ft: ZWOB from SideKick
sk-05-11-1627

23:44 10070
23:51 10080
Mar 24, 2012
00:14 10090
00:22 10100
00:32 10110
00:43 10120
00:59 10130
01:15 10140
01:21 10150
01:29 10160
01:36 10170
02:01 10180
02:21 10190
02:36 10200
03:46 10210
04:00 10220
04:17 10230
04:31 10240
04:40 10250
04:51 10260
05:24 10270
05:34 10280



10085.63ft: MUD VIS 0.60
10085.63ft: MUD WEIGHT 10.25
10085.63ft: ZWOB from SideKick sk-05-11-1627
10085.63ft: Connection at 10084.5
10085.63ft: SURVEY @ 10034 INC 1.5 AZ 230.8 TVD 9426.72
10085.63ft: ZDiffPressure from SideKick sk-05-11-1627
10086.71ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

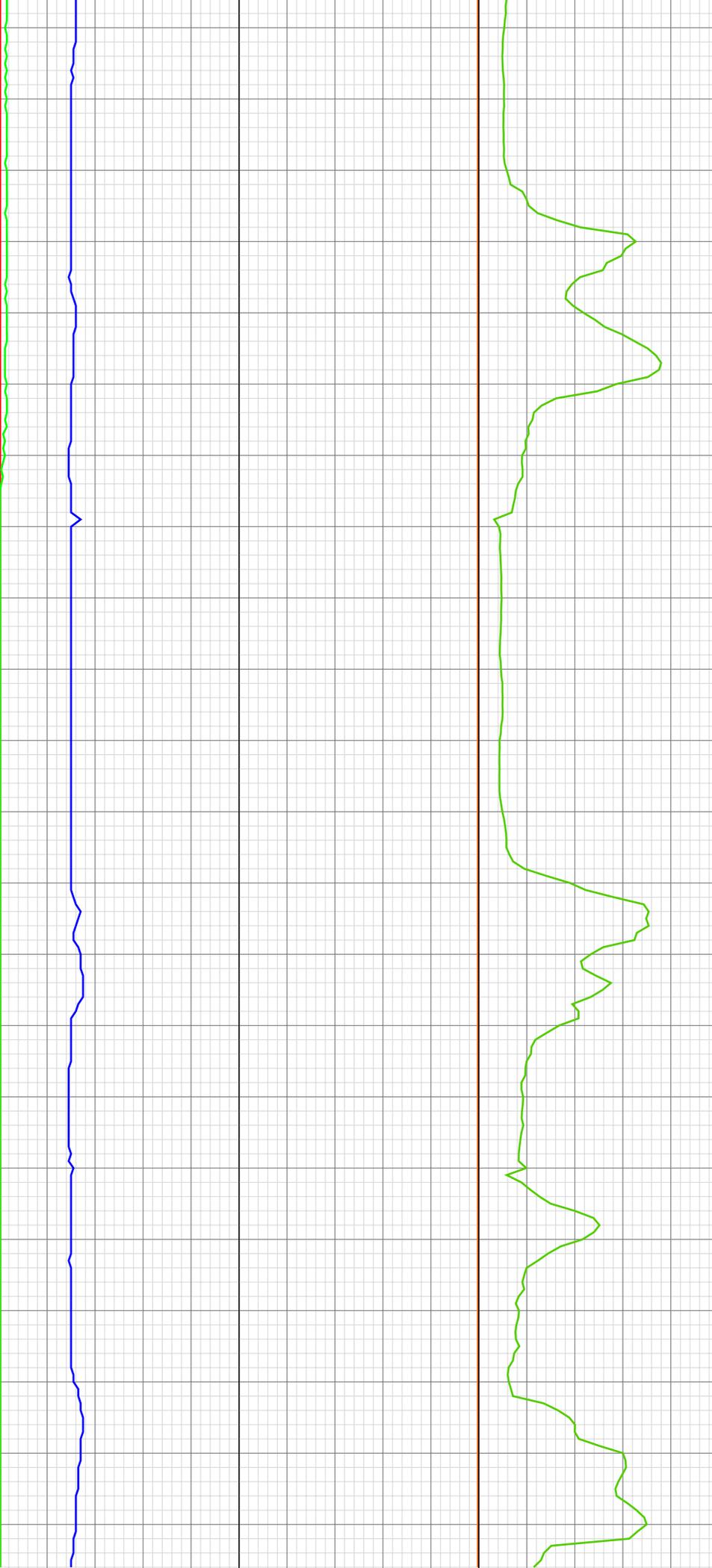
10131.30ft: ZWOB from SideKick sk-05-11-1627
10131.30ft: ZDiffPressure from SideKick sk-05-11-1627
10132.81ft: MUD VIS 0.60
10133.01ft: MUD WEIGHT 10.25

10175.07ft: ATTEMPTED TO ZERO TOTAL STROKES ATTEMPTED TO SET HOLE DEPTH TO 0.00 feet
10176.74ft: SURVEY @ 10125 INC 1.8 AZ 235.9 TVD 9517.69
10176.74ft: Connection at 10175.9
10176.74ft: ZDiffPressure from SideKick sk-05-11-1627
10181.37ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
10183.86ft: MUD VIS 0.58
10183.86ft: MUD WEIGHT 10.35

10208.60ft: MUD VIS 0.60
10208.60ft: MUD WEIGHT 10.35
10208.60ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
10208.60ft: ZDiffPressure from SideKick sk-05-11-1627
10208.60ft: ZWOB from SideKick sk-05-11-1627
10219.26ft: MUD VIS 0.61
10219.26ft: MUD WEIGHT 10.35

10267.59ft: ZWOB from SideKick sk-05-11-1627
10267.59ft: SURVEY @ 10217 INC 1.2 AZ 251.2 TVD 9609.66
10267.59ft: Connection at 10267.4
10267.59ft: ZWOB from SideKick sk-05-11-1627
10267.59ft: ZDiffPressure from SideKick sk-05-11-1627
10267.65ft: SPR
10277.99ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

05:45 10290
05:51 10300
05:58 10310
06:07 10320
06:16 10330
06:25 10340
06:37 10350
07:08 10360
07:12 10370
07:20 10380
07:30 10390
07:37 10400
07:47 10410
08:04 10420
08:22 10430
08:33 10440
08:57 10450
09:05 10460
09:15 10470
09:35 10480
09:46 10490
09:51 10500



10321.92ft: MUD VIS 59.00
10322.21ft: MUD WEIGHT 10.40
10322.80ft: TEST LEL
10322.90ft: HGAS_021: LOCATION1
High LEL Alarm
10323.00ft: HGAS_004: Horn Muted
10323.49ft: HGAS_024: LOCATION2
High LEL Alarm
10323.49ft: HGAS_004: Horn Muted

10358.92ft: MUD VIS 58.00
10358.92ft: MUD WEIGHT 10.40
10358.92ft: SURVEY @ 10308 INC.
1.2 AZ. 240.9 TVD. 9700.64
10358.92ft: ZWOB from SideKick
sk-05-11-1627
10358.92ft: ZDiffPressure from
SideKick sk-05-11-1627
10358.92ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10358.92ft: Connection at 10358.8

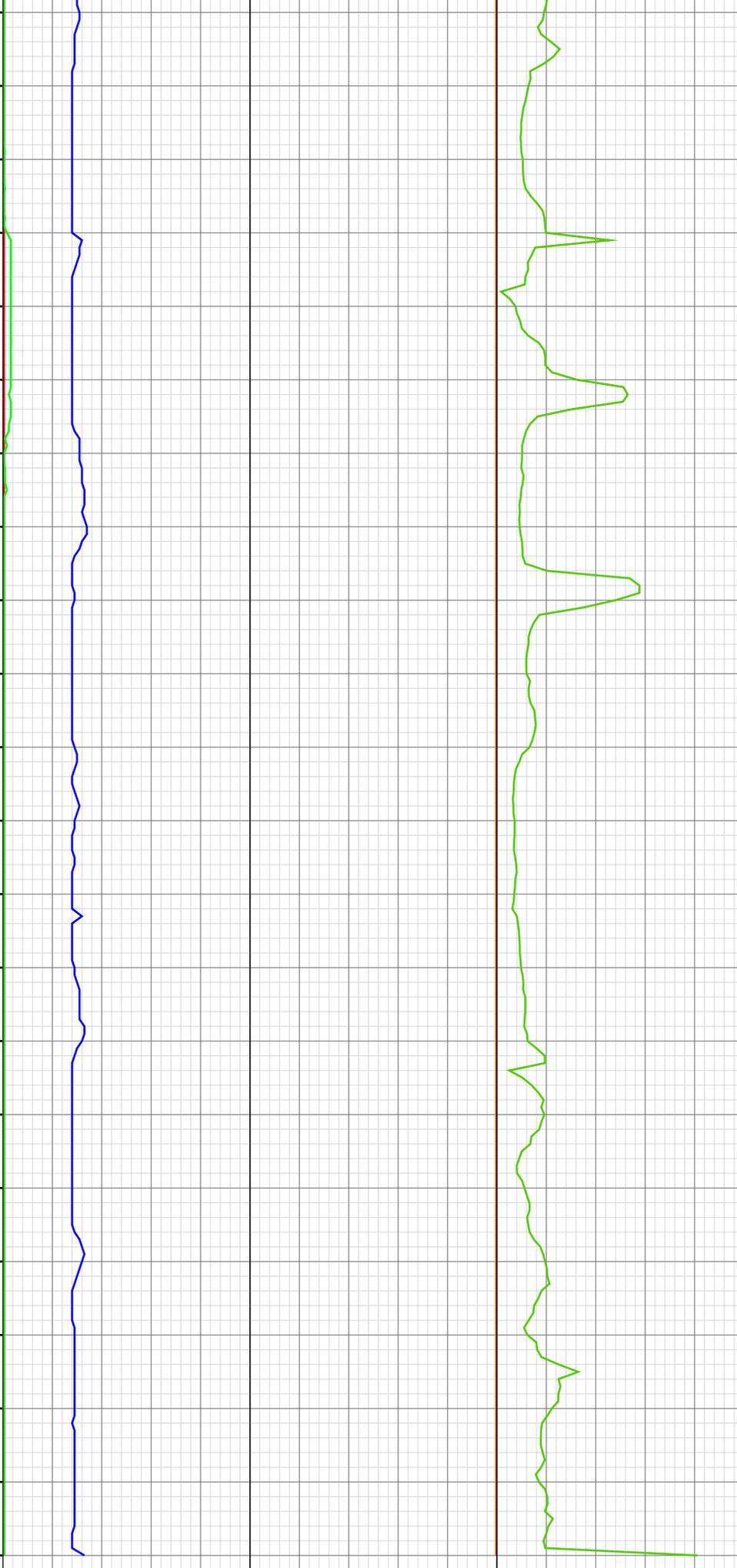
10414.24ft: MUD VIS 59.00
10414.24ft: MUD WEIGHT 10.50

10427.40ft: ZDiffPressure from
SideKick sk-05-11-1627
10427.40ft: ZWOB from SideKick
sk-05-11-1627

10449.93ft: SURVEY @ 10400 INC.
1.4 AZ. 229.9 TVD. 9792.61
10449.93ft: Connection at 10450.2
10449.93ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10449.93ft: ZWOB from SideKick
sk-05-11-1627
10449.93ft: ZDiffPressure from
SideKick sk-05-11-1627
10449.93ft: ZWOB from SideKick
sk-05-11-1627
10449.93ft: MUD VIS 59.00
10449.93ft: MUD WEIGHT 10.50
10449.93ft: ZDiffPressure from
SideKick sk-05-11-1627

10476.31ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868

10:03 10510
10:16 10520
10:27 10530
10:50 10540
11:03 10550
11:18 10560
11:29 10570
11:40 10580
12:01 10590
12:08 10600
12:19 10610
12:28 10620
12:37 10630
13:03 10640
13:13 10650
13:25 10660
13:38 10670
13:50 10680
14:06 10690
14:22 10700
14:39 10710
10720



10540.98ft: SURVEY @ 10491 INC.
1.8 AZ. 245 TVD. 9883.58
10540.98ft: ZWOB from SideKick
sk-05-11-1627
10540.98ft: ZDiffPressure from
SideKick sk-05-11-1627
10541.80ft: Connection at 10541.6

10576.28ft: ZERO ALL PUMPS from
SideKick sk-06-03-3868
10584.94ft: MUD VIS 59.00
10584.94ft: MUD WEIGHT 10.50
10632.12ft: SURVEY @ 10583 INC.
1.7 AZ. 228.4 TVD. 9975.53
10632.12ft: ZWOB from SideKick
sk-05-11-1627
10632.12ft: ZDiffPressure from
SideKick sk-05-11-1627
10632.12ft: Connection at 10633.1
10634.71ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10655.58ft: MUD VIS 57.00
10655.58ft: MUD WEIGHT 10.50
10689.67ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10719.98ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10719.98ft: ZWOB from SideKick
sk-05-11-1627
10719.98ft: ZDiffPressure from
SideKick sk-05-11-1627
10719.98ft: TRANSFERRED 40.00
10719.98ft: SURVEY @ 10670 INC.
1.6 AZ. 235.9 TVD. 10062.50
10719.98ft: FLOW CHECK
10719.98ft: NO FLOW
10719.98ft: FLOW CHECK
10719.98ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10719.98ft: MUD VIS 0.60
10719.98ft: MUD WEIGHT 10.50
10719.98ft: MUD VIS 0.60
10719.98ft: MUD WEIGHT 10.50
10720.96ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10720.96ft: MUD VIS 0.60
10720.96ft: MUD WEIGHT 10.50
10720.96ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10720.96ft: PUMP 2ND SWEEP
10720.96ft: MUD VIS 0.60
10720.96ft: MUD WEIGHT 10.50
10720.96ft: ZERO ALL PUMPS from
SideKick sk-04-04-0797
10720.96ft: FLOW CHECK
10720.96ft: NO-FLOW
10720.96ft: FLOW CHECK
10720.96ft: NO-FLOW
10720.96ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
10720.96ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
10720.96ft: MUD VIS 60.00
10720.96ft: MUD WEIGHT 10.55
10720.96ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
10720.96ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
10720.96ft: BIT DEPTH CHANGED
TO 2689.0 FEET
10720.96ft: TRANSFERRED 50.00
10720.96ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
10720.96ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
10720.96ft: MUD VIS 59.00
10720.96ft: MUD WEIGHT 10.55
10720.96ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
10720.96ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
10720.96ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
10720.96ft: MUD VIS 58.00
10720.96ft: MUD WEIGHT 10.55
10720.96ft: MUD VIS 0.54
10720.96ft: MUD WEIGHT 10.55
10720.96ft: MUD VIS 0.58
10720.96ft: MUD WEIGHT 10.50
10720.96ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
10720.96ft: PUMP OUT CELLAR
10720.96ft: MUD VIS 0.59
10720.96ft: MUD WEIGHT 10.50
10720.96ft: MUD VIS 0.60
10720.96ft: MUD WEIGHT 10.50

10730

10720.96ft: ZERO ALL PUMPS from
SideKick sk-05-11-1627
10720.96ft: MUD VIS 0.47
10720.96ft: MUD WEIGHT 10.45
10720.96ft: TRANS 400BBS T/PRE
MIX
10720.96ft: PUMP OUT CELLAR