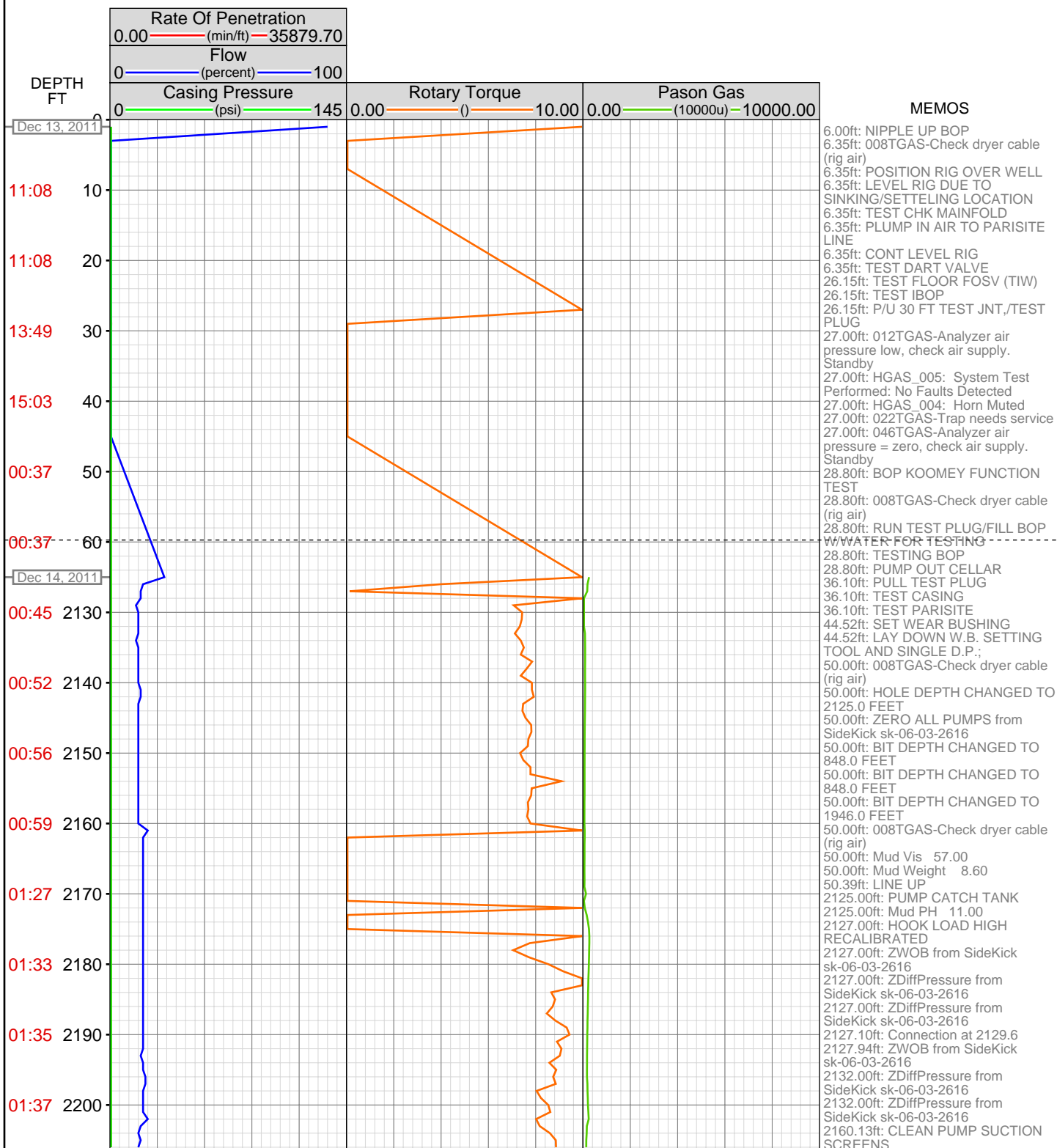


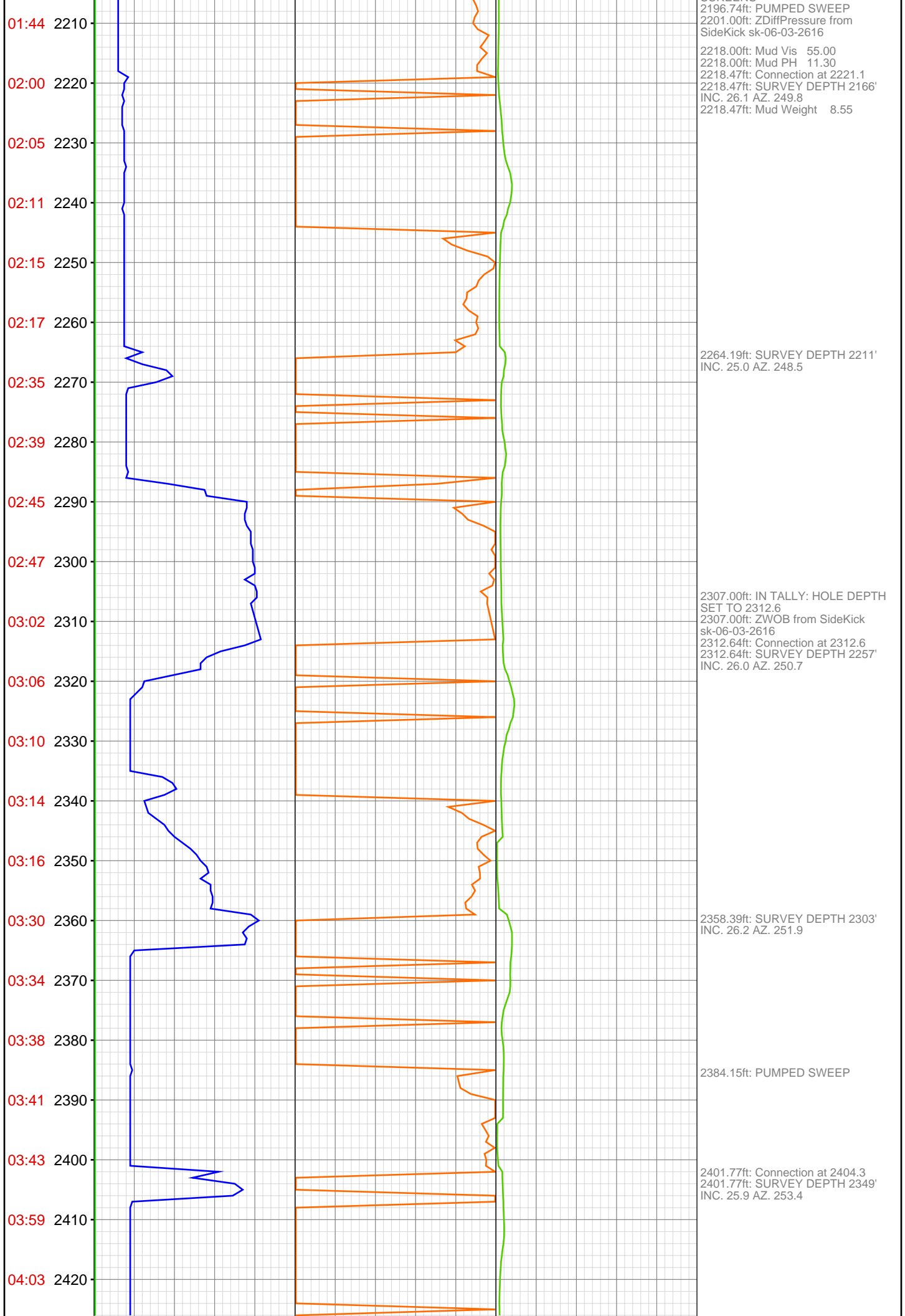
DataHub EDR Log

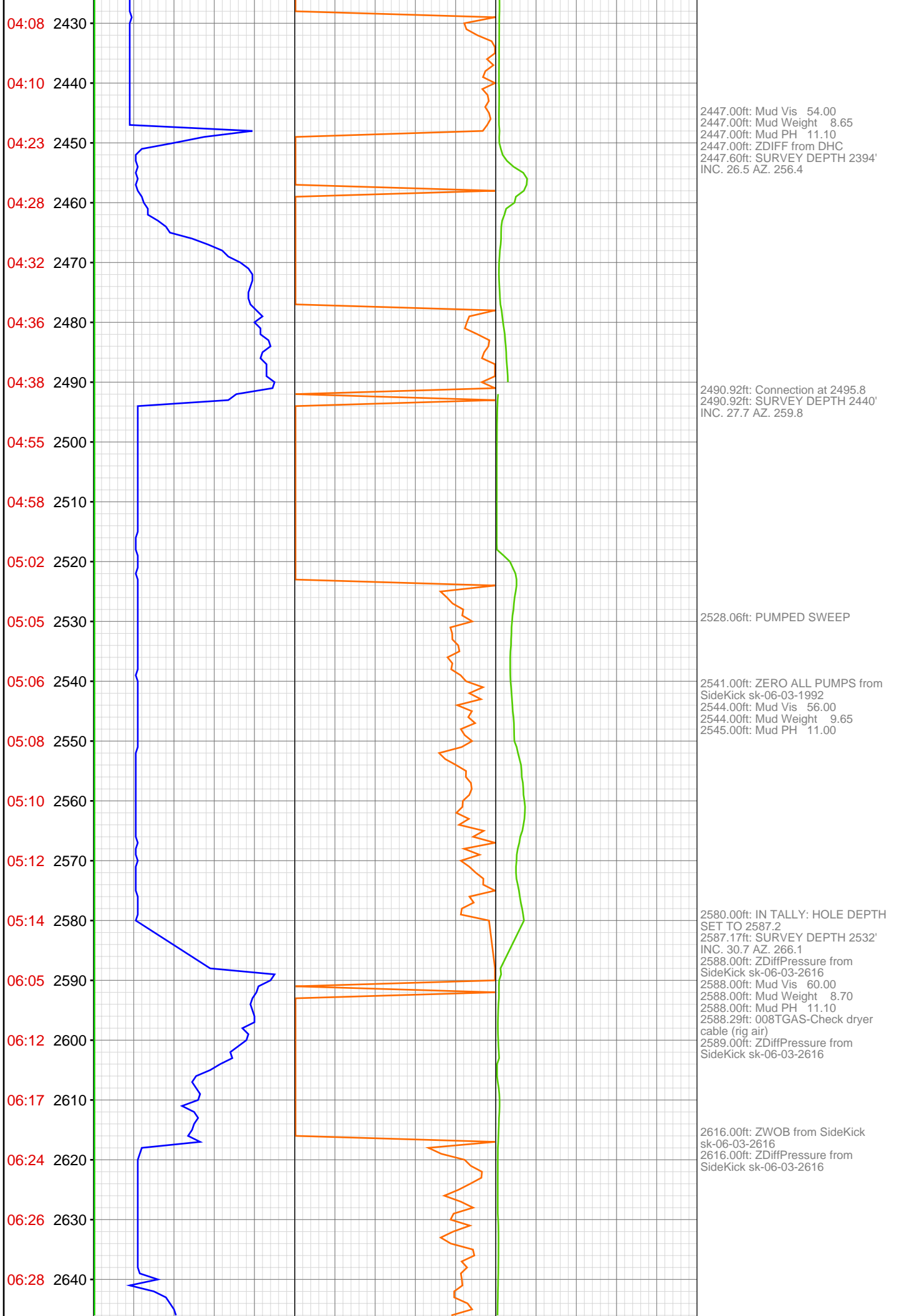
Tue Dec 27, 2011 08:54:46
Well Dossier 3485471
Marilyn Tucker

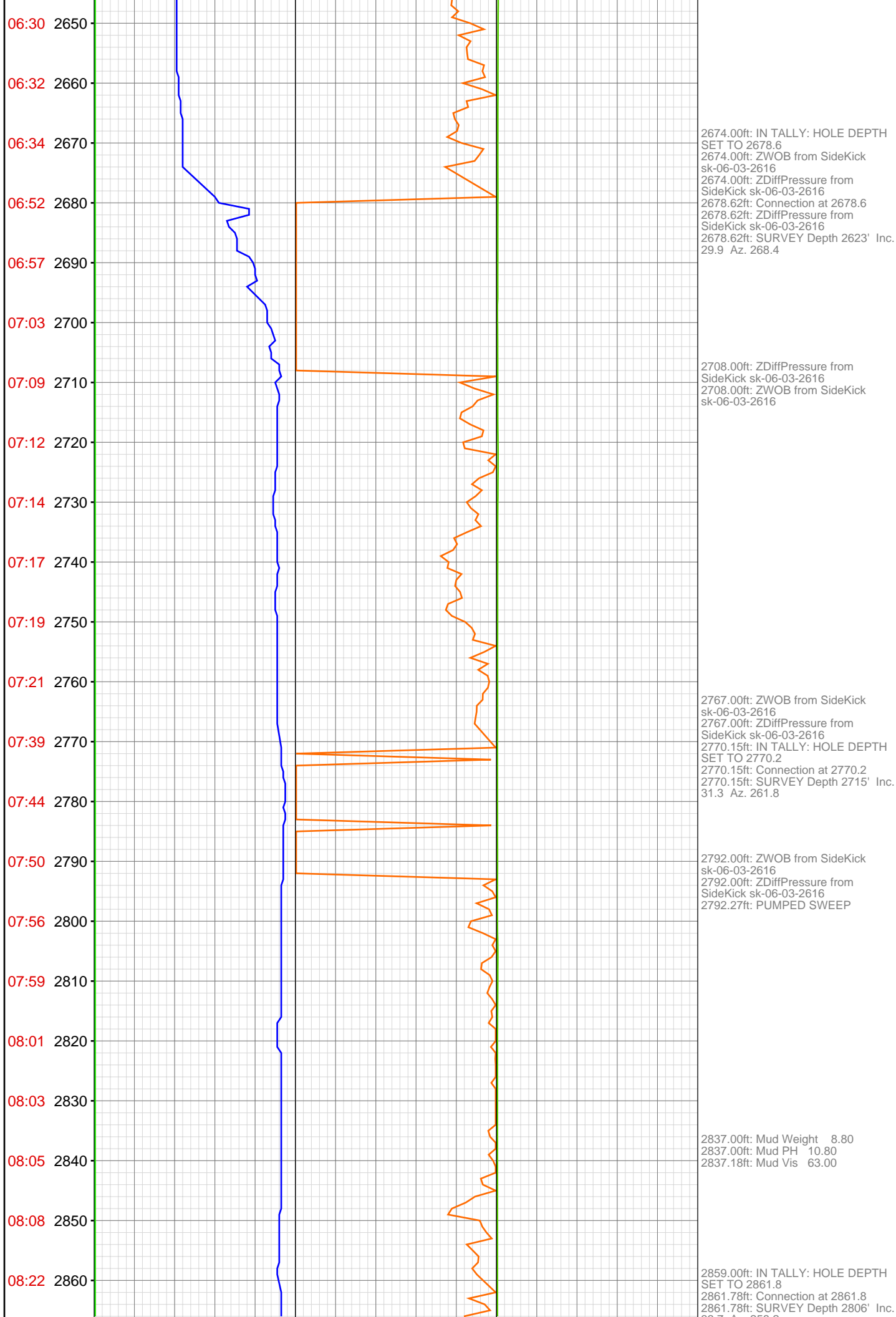
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: DOUBLE WILLOW 8603A-33 P28 496
FIELD:
LOCATION: Sec. 36 T4S R96W
COUNTRY: USA
RIG: Pat-UTI 308

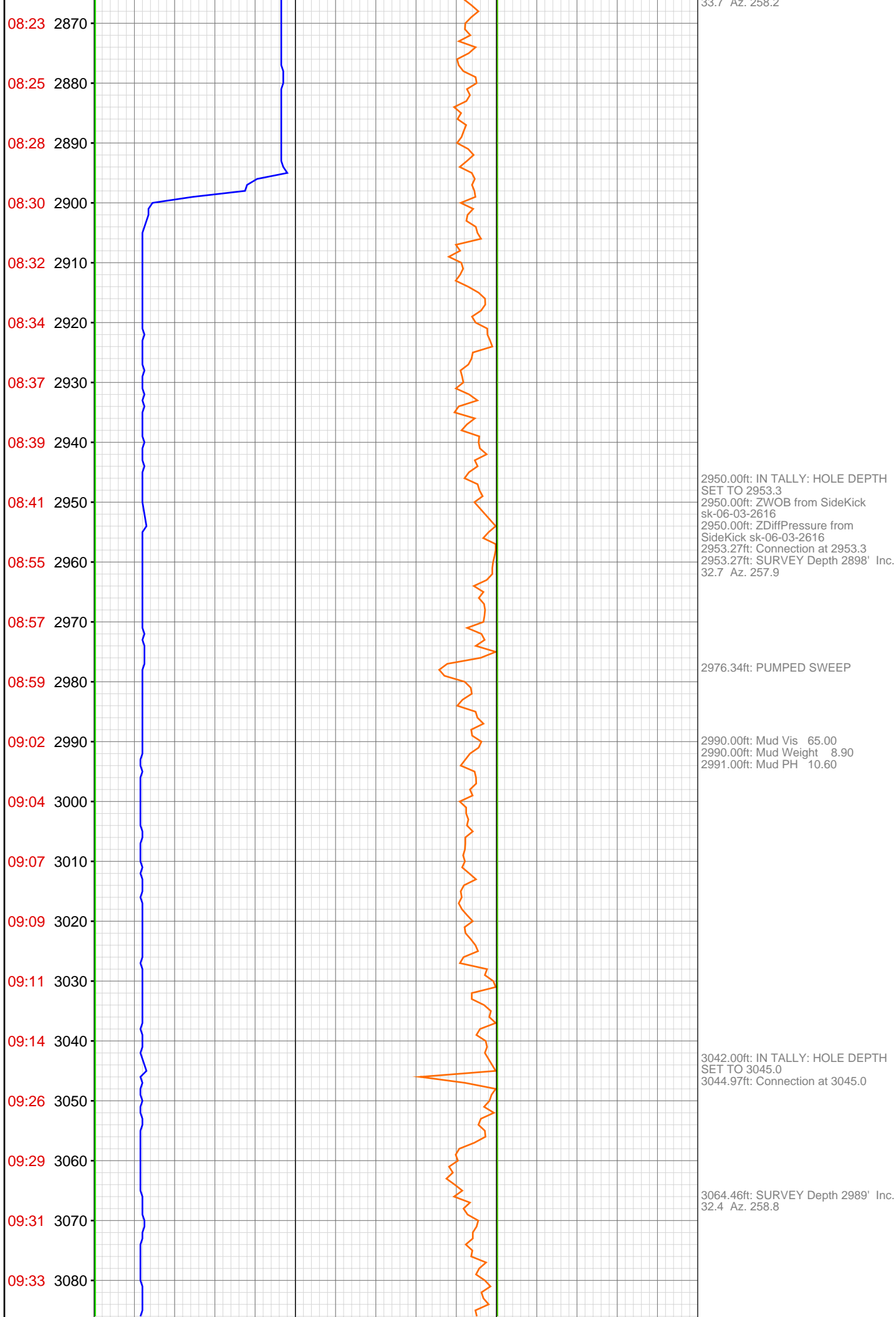
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05-045-20434-00
SPUD DATE: Dec 13, 2011 19:30
RELEASE DATE: Dec 22, 2011 06:00

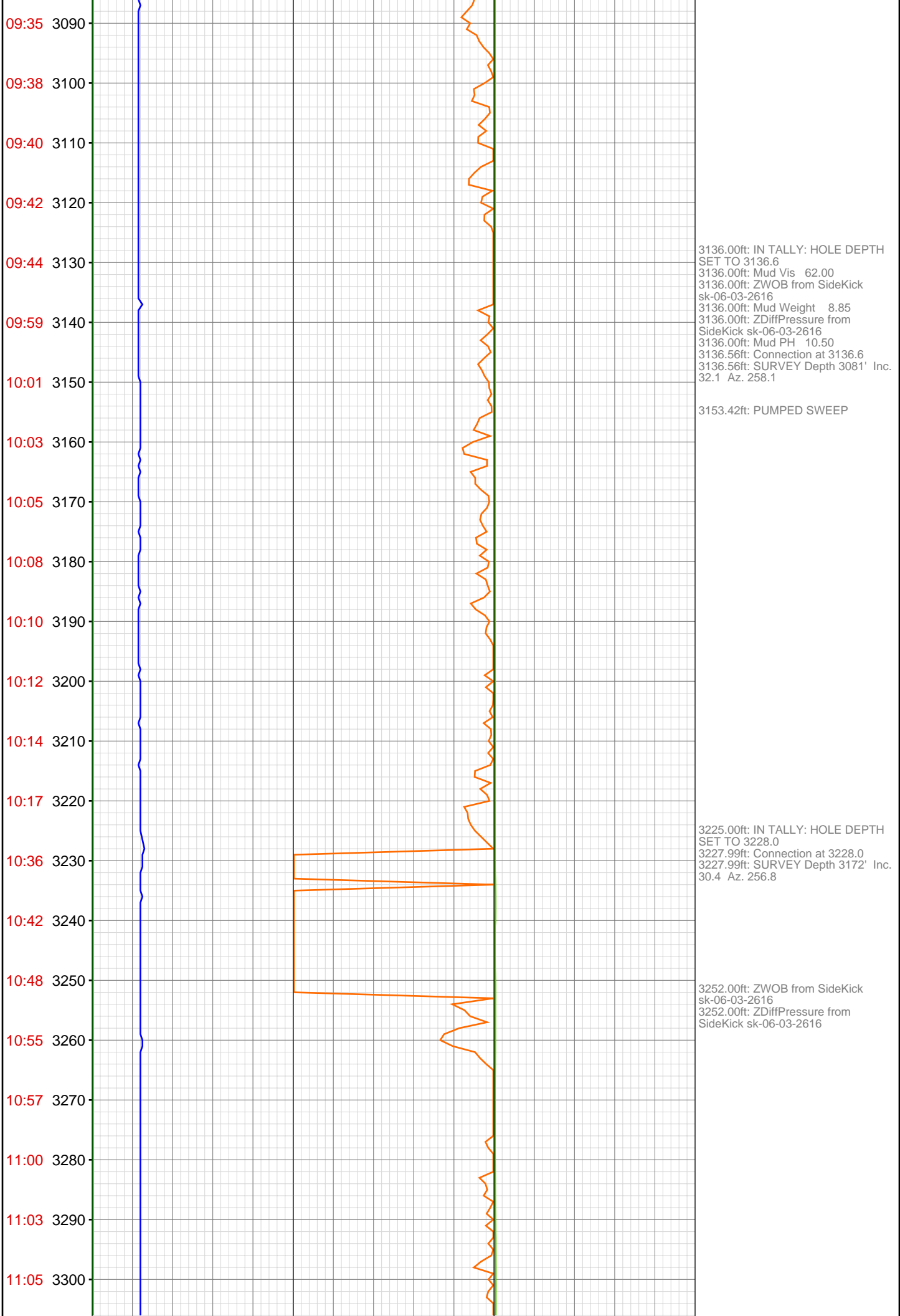


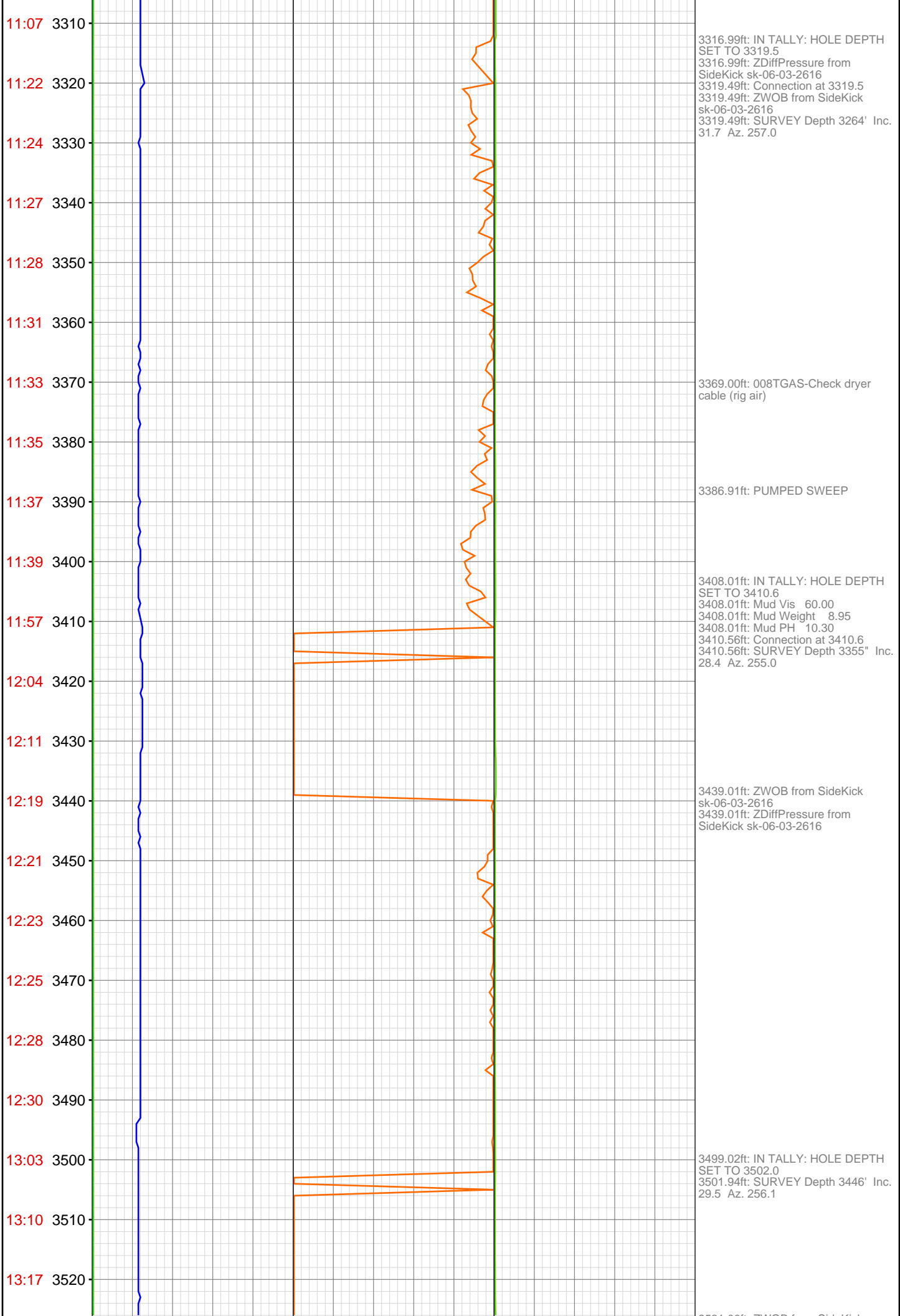


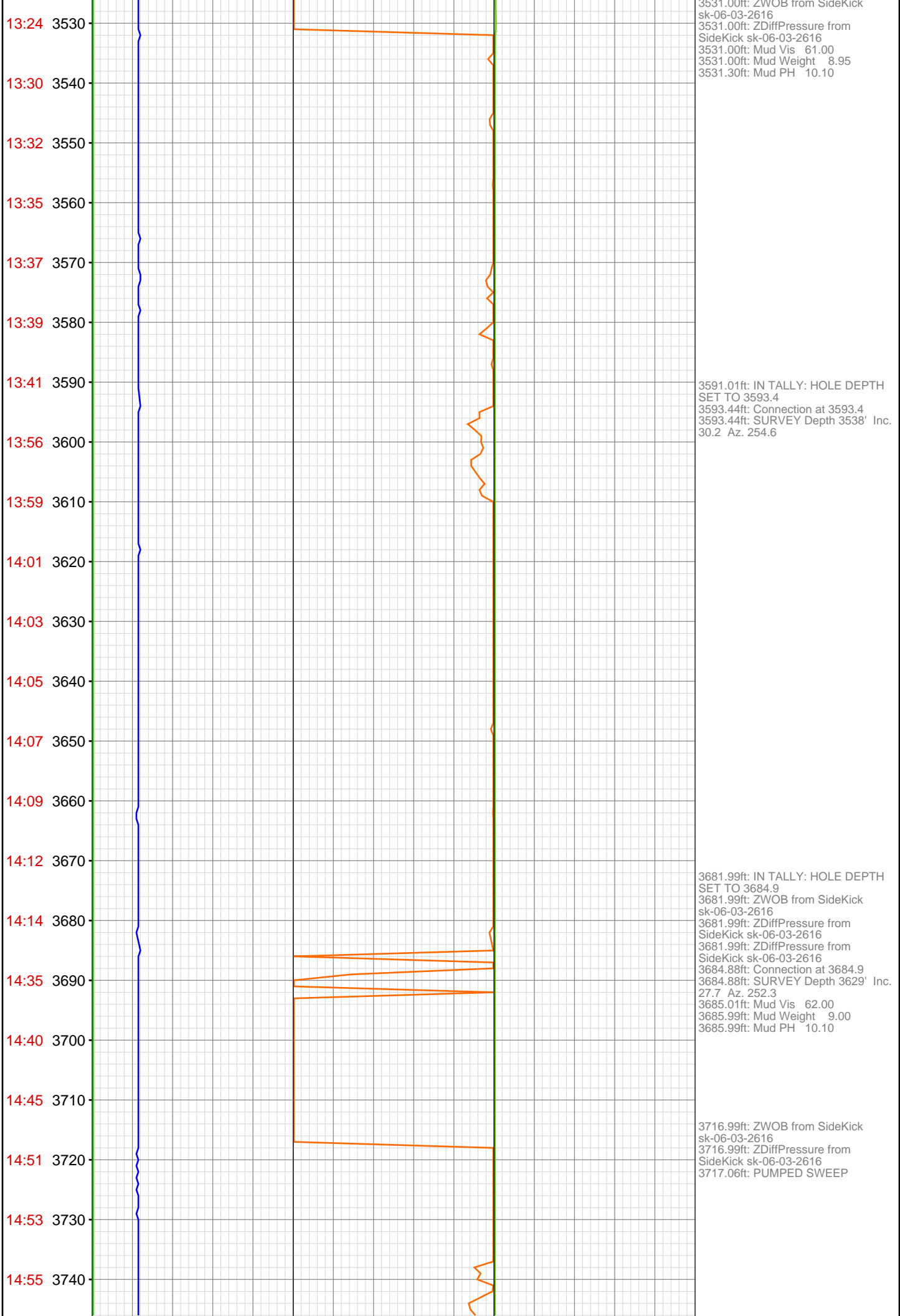












14:58 3750
15:01 3760
15:03 3770
15:24 3780
15:30 3790
15:36 3800
15:44 3810
15:46 3820
15:48 3830
15:51 3840
15:53 3850
15:55 3860
16:08 3870
16:11 3880
16:13 3890
16:15 3900
16:17 3910
16:20 3920
16:22 3930
16:24 3940
16:26 3950
16:41 3960

3774.02ft: IN TALLY: HOLE DEPTH
SET TO 3776.3
3774.02ft: ZWOB from SideKick
sk-06-03-2616
3774.02ft: ZDiffPressure from
SideKick sk-06-03-2616
3776.35ft: Connection at 3776.3
3776.35ft: SURVEY Depth 3721' Inc.
29.5 Az. 254.7

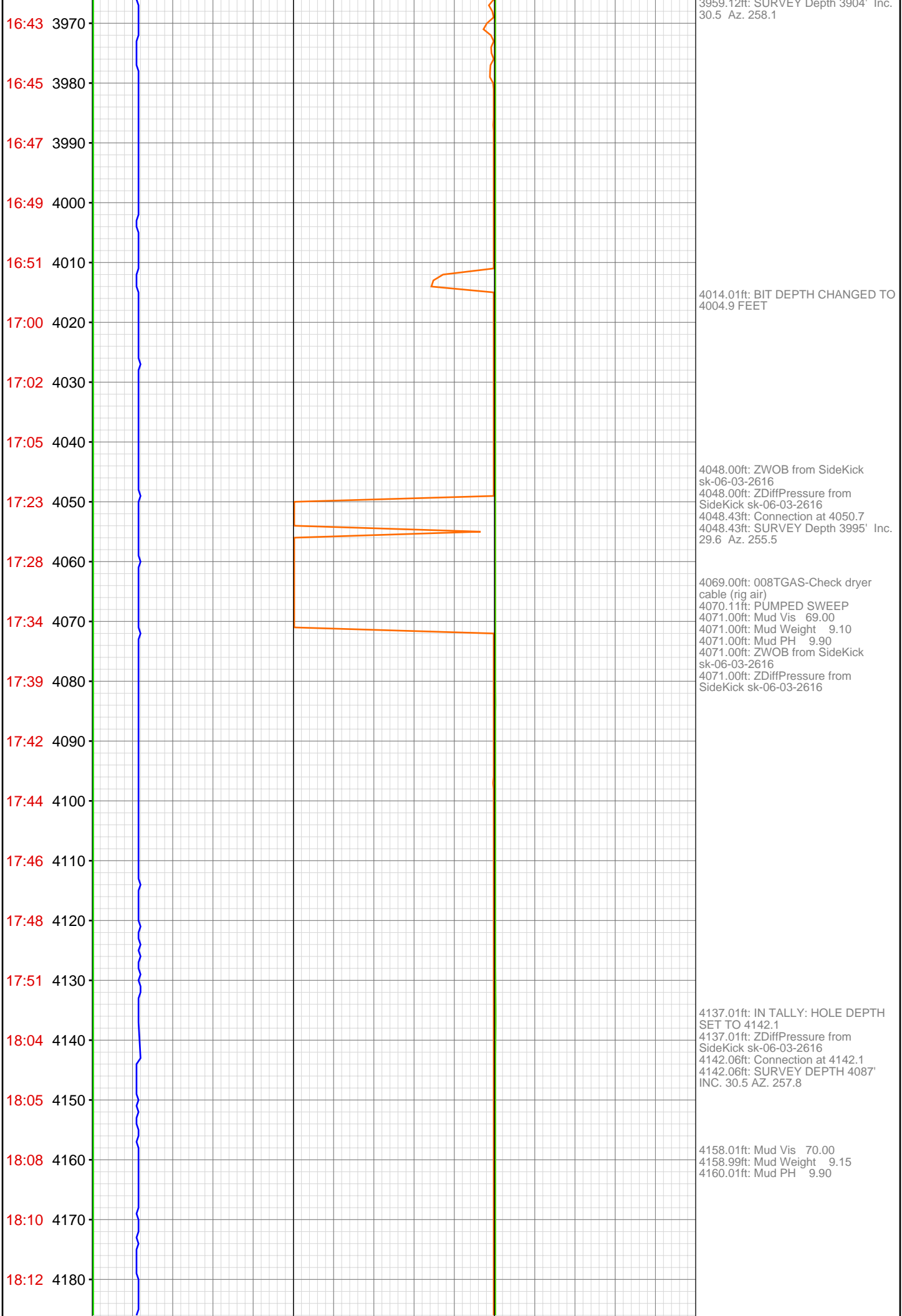
3789.99ft: Mud Vis 63.00
3789.99ft: Mud Weight 9.05
3789.99ft: Mud PH 10.00

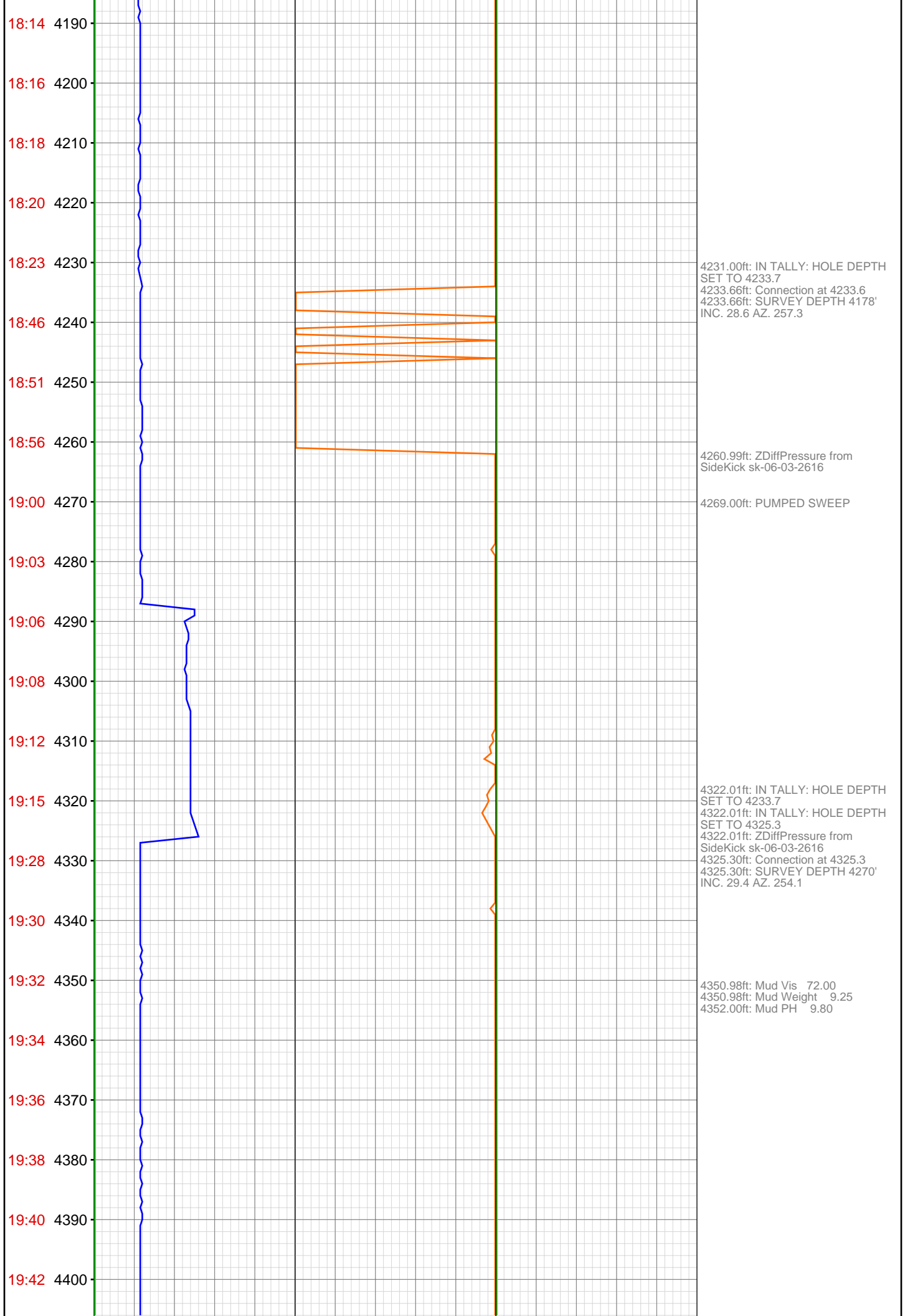
3808.01ft: ZDiffPressure from
SideKick sk-06-03-2616
3808.01ft: ZWOB from SideKick
sk-06-03-2616

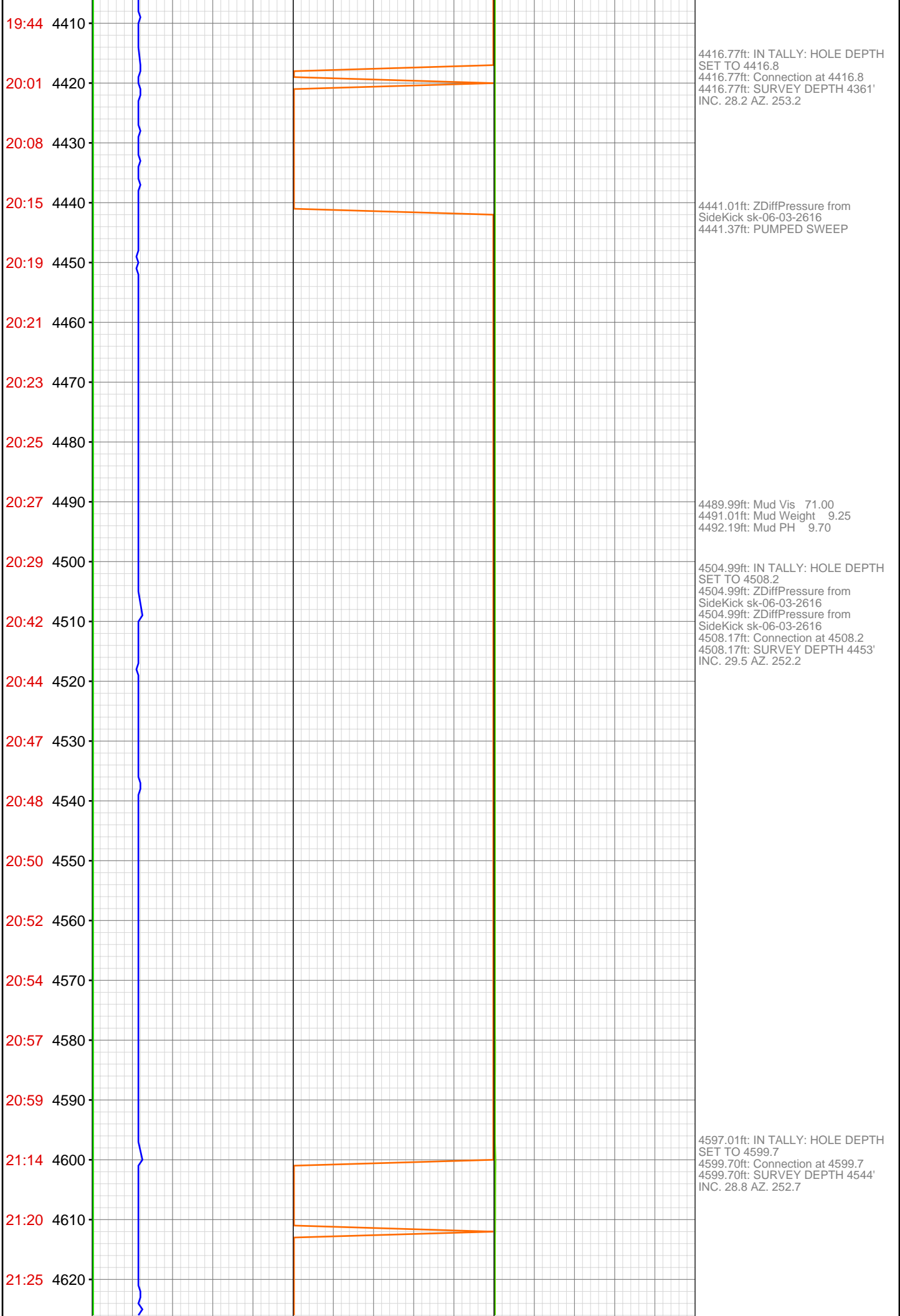
3854.49ft: Connection at 3867.8

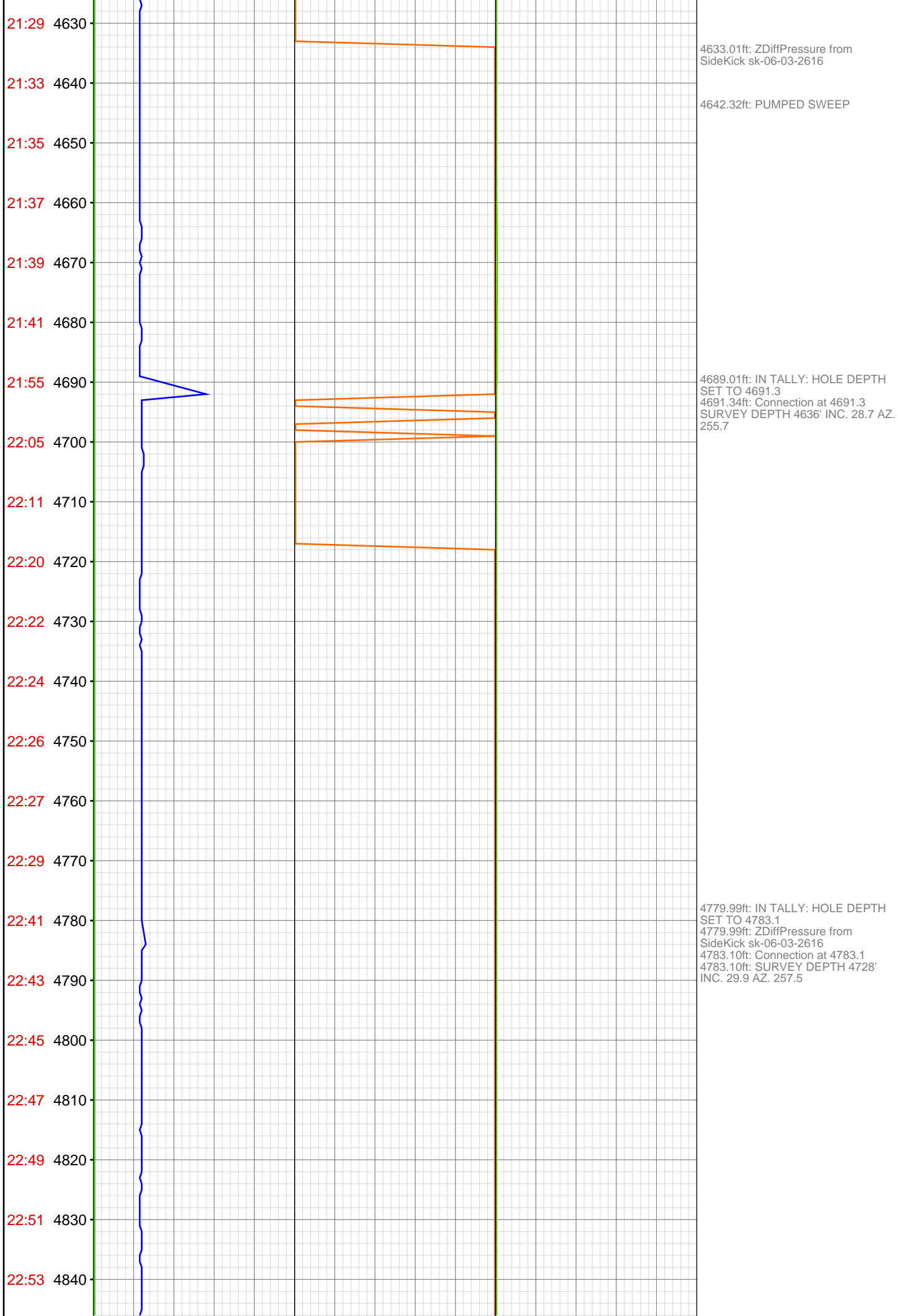
3864.99ft: IN TALLY: HOLE DEPTH
SET TO 3867.9
3864.99ft: ZWOB from SideKick
sk-06-03-2616
3864.99ft: ZDiffPressure from
SideKick sk-06-03-2616

3956.00ft: IN TALLY: HOLE DEPTH
SET TO 3959.1
3956.00ft: Mud Vis 62.00
3956.00ft: Mud Weight 9.05
3956.00ft: Mud PH 9.90
3956.00ft: Transferred 50.00
BARRELS
3959.12ft: Connection at 3959.1









22:57 4850

22:59 4860

23:01 4870

23:19 4880

23:26 4890

23:30 4900

23:36 4910

23:37 4920

23:40 4930

23:42 4940

23:43 4950

23:45 4960

23:57 4970

Dec 15, 2011

00:01 4980

00:03 4990

00:05 5000

00:08 5010

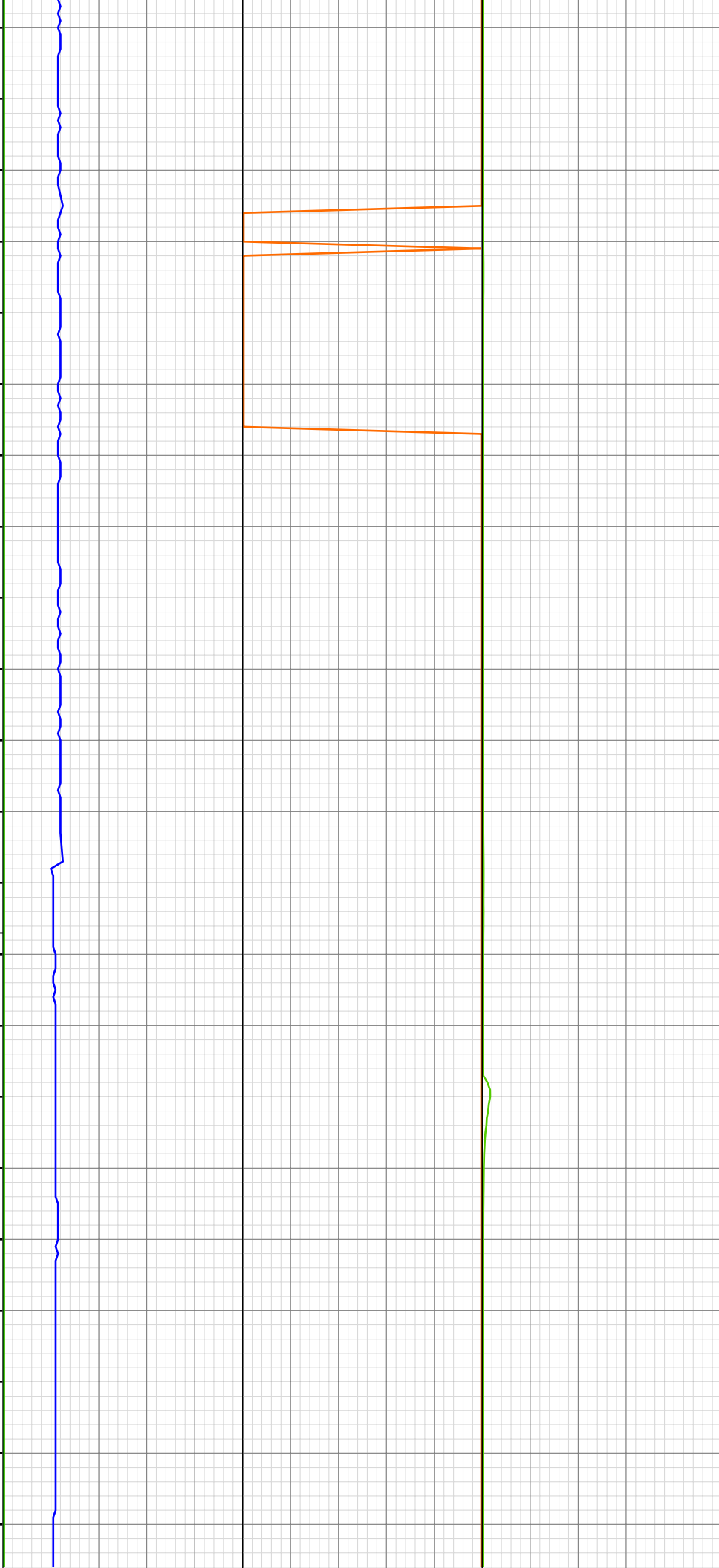
00:10 5020

00:13 5030

00:16 5040

00:19 5050

00:34 5060



4872.01ft: IN TALLY: HOLE DEPTH
SET TO 4874.7
4874.70ft: Connection at 4874.7
4874.70ft: SURVEY DEPTH 4819'
INC. 28.3 AZ. 257.1

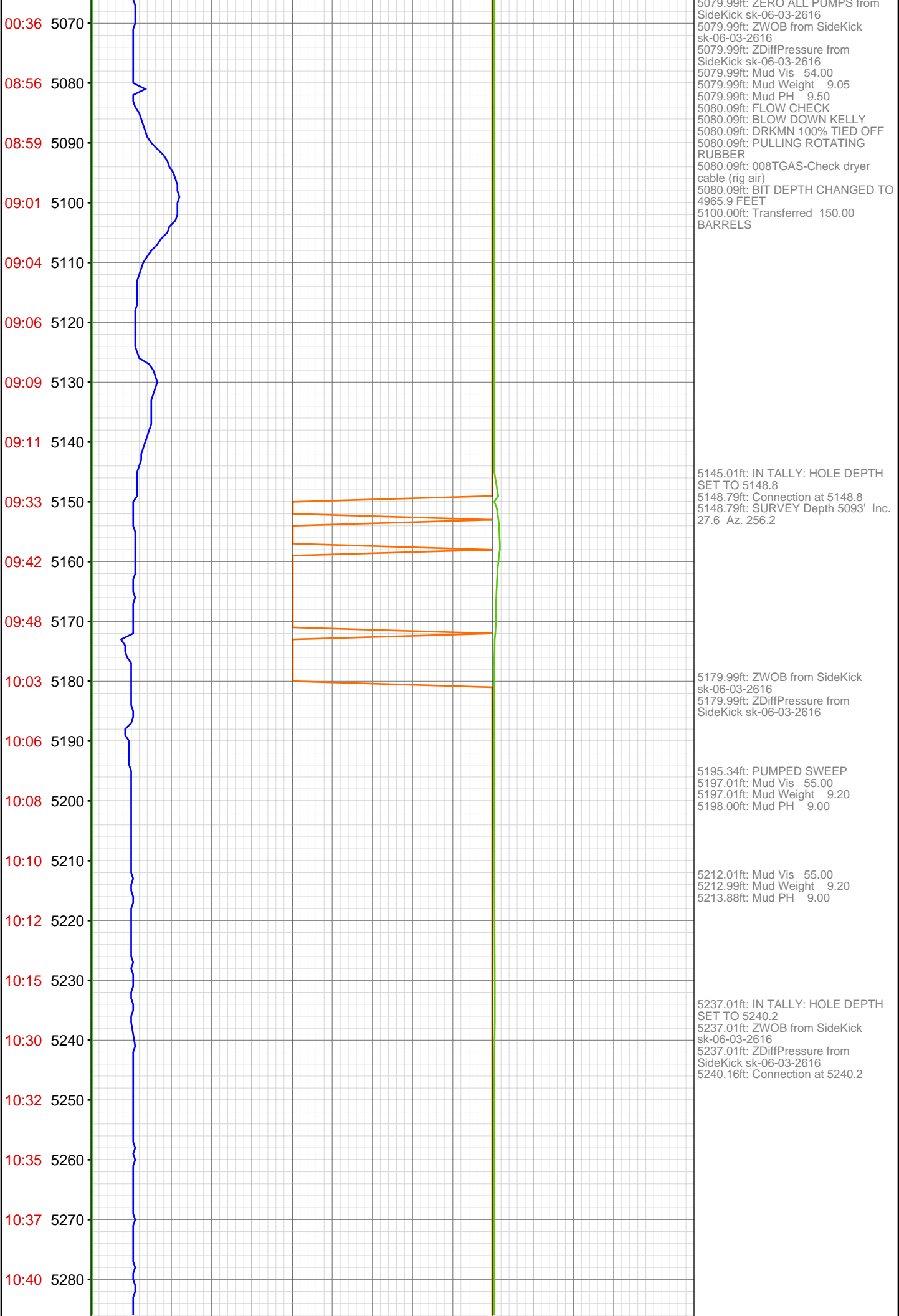
4906.00ft: 008TGAS-Check dryer
cable (rig air)
4906.04ft: ZDiffPressure from
SideKick sk-06-03-2616

4920.87ft: PUMPED SWEEP

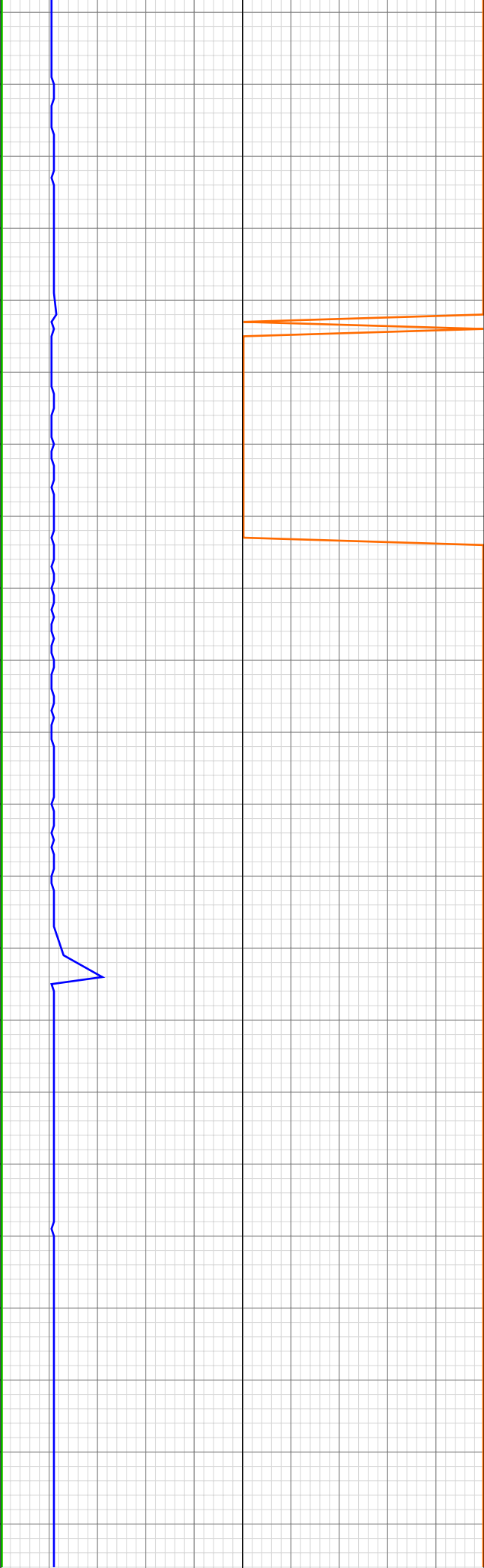
4962.99ft: IN TALLY: HOLE DEPTH
SET TO 4966.3
4962.99ft: ZDiffPressure from
SideKick sk-06-03-2616
4966.31ft: Connection at 4966.3
4966.31ft: SURVEY DEPTH 4911'
INC. 30.2 AZ. 257.5

4980.48ft: PUMPED SWEEP

5054.99ft: IN TALLY: HOLE DEPTH
SET TO 5057.7
5054.99ft: Mud Vis 75.00
5054.99ft: Mud PH 9.20
5054.99ft: ZDiffPressure from
SideKick sk-06-03-2616
5057.68ft: Connection at 5057.7
5057.68ft: SURVEY DEPTH 5002'
INC. 29.1 AZ. 258.2
5057.68ft: Mud Weight 9.40



10:42 5290
10:44 5300
10:46 5310
10:49 5320
11:05 5330
11:13 5340
11:18 5350
11:23 5360
11:29 5370
11:32 5380
11:34 5390
11:36 5400
11:38 5410
11:41 5420
11:54 5430
11:56 5440
11:58 5450
12:01 5460
12:03 5470
12:05 5480
12:08 5490
12:10 5500

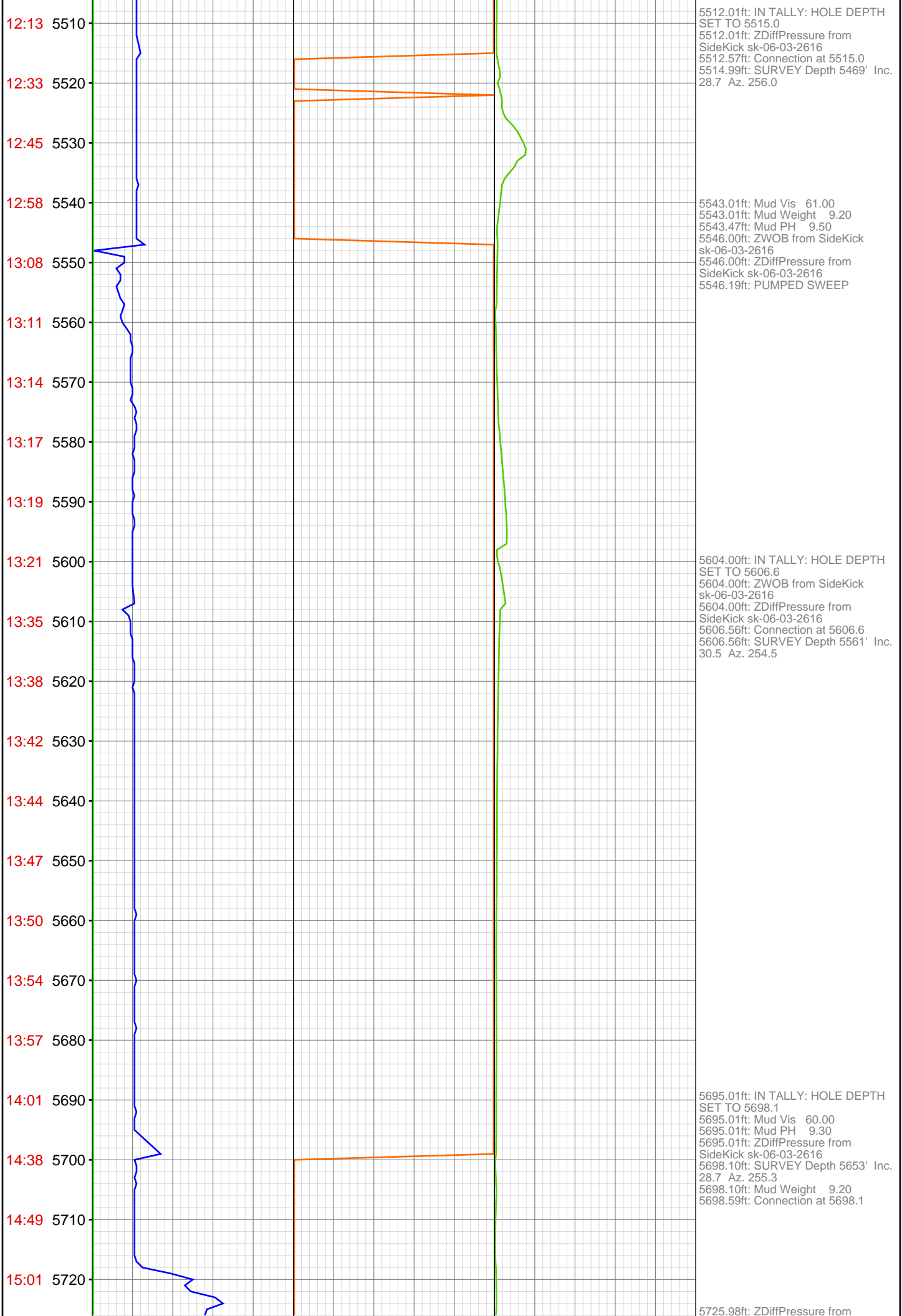


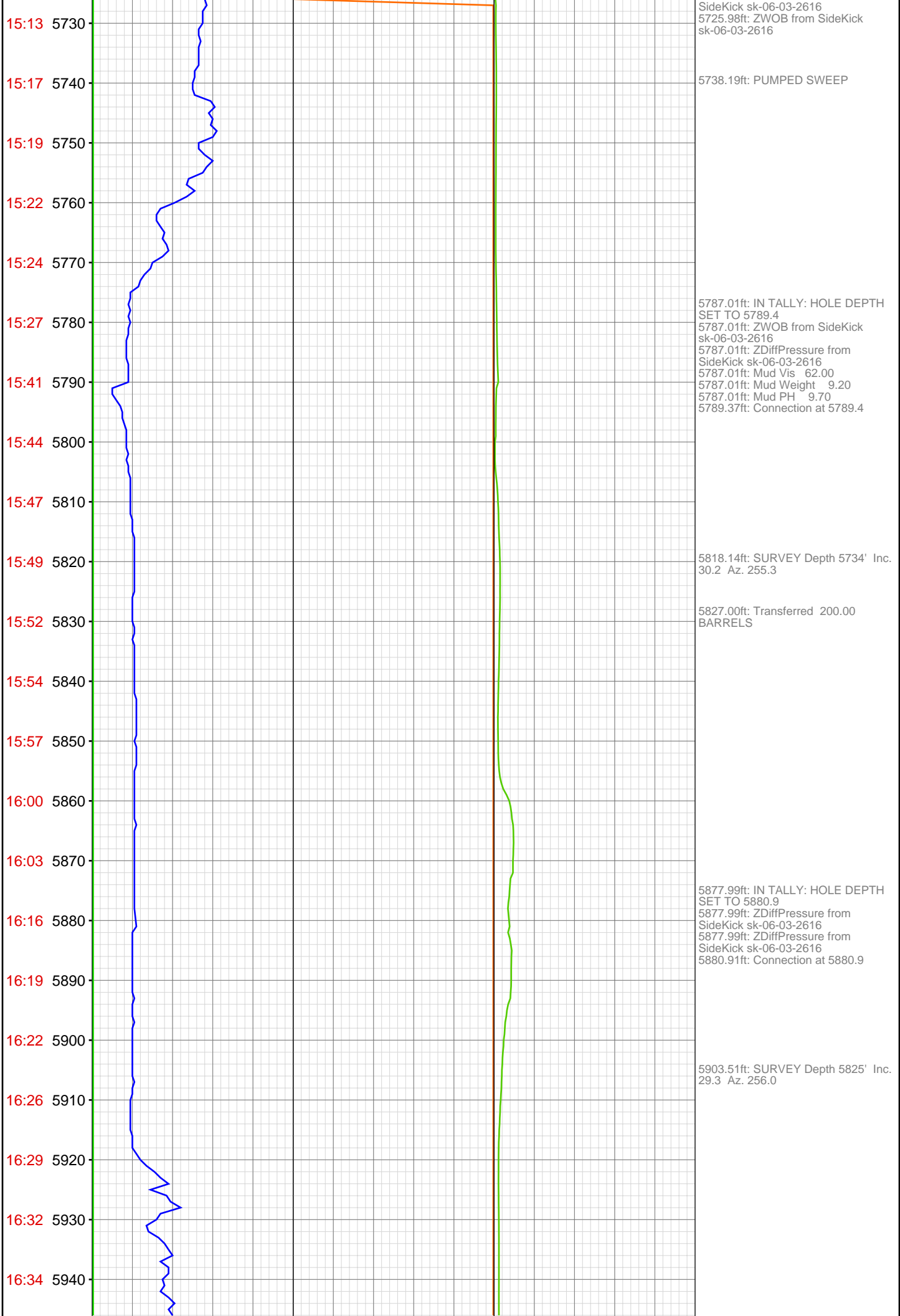
5329.00ft: ZWOB from SideKick
sk-06-03-2616
5329.00ft: ZDiffPressure from
SideKick sk-06-03-2616
5331.79ft: IN TALLY: HOLE DEPTH
SET TO 5331.8
5331.79ft: Connection at 5331.8
5331.79ft: SURVEY Depth 5276' Inc.
28.6 Az. 258.5

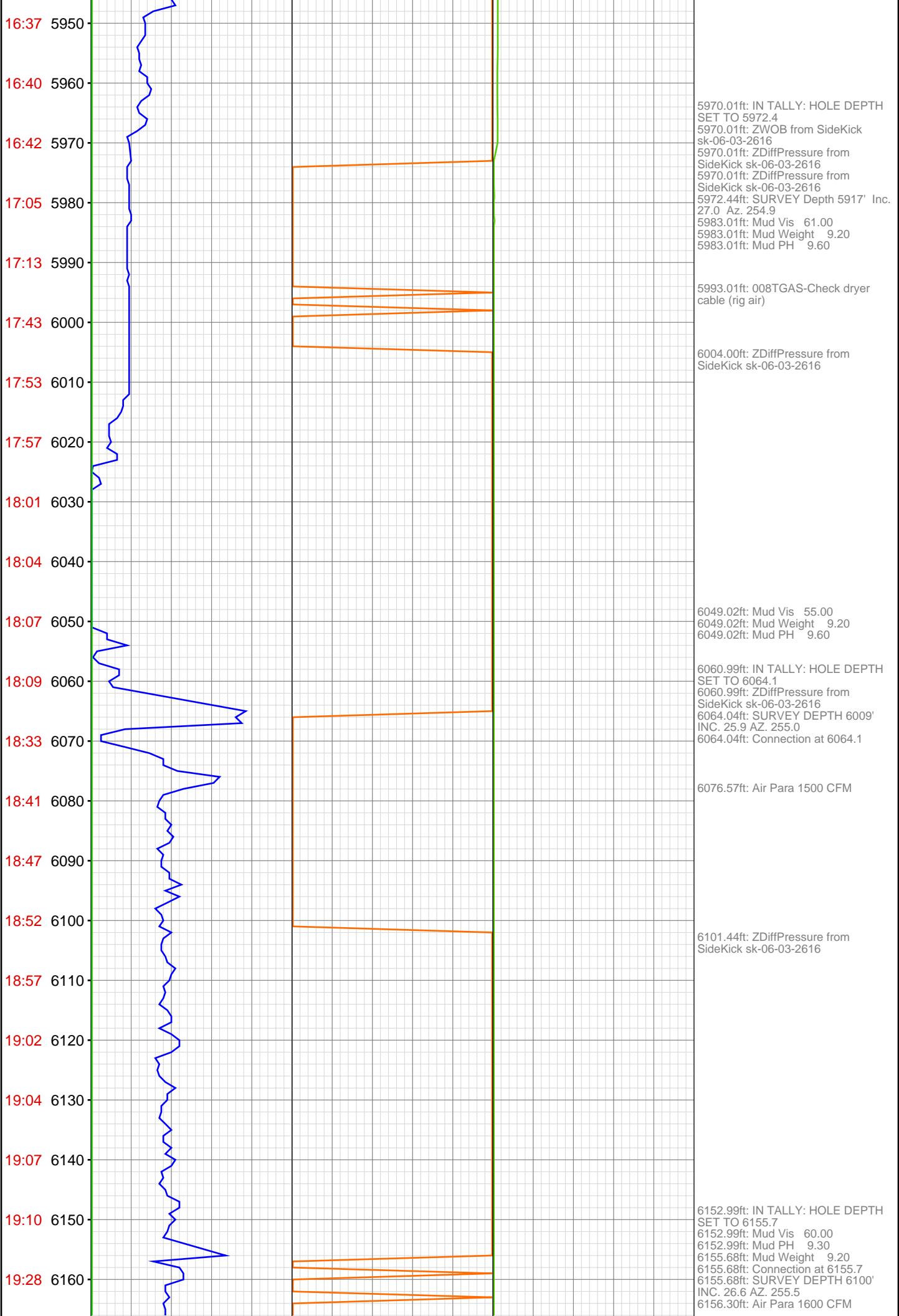
5362.99ft: Mud Vis 63.00
5362.99ft: Mud Weight 9.20
5362.99ft: Mud PH 9.70
5362.99ft: ZWOB from SideKick
sk-06-03-2616
5362.99ft: ZDiffPressure from
SideKick sk-06-03-2616

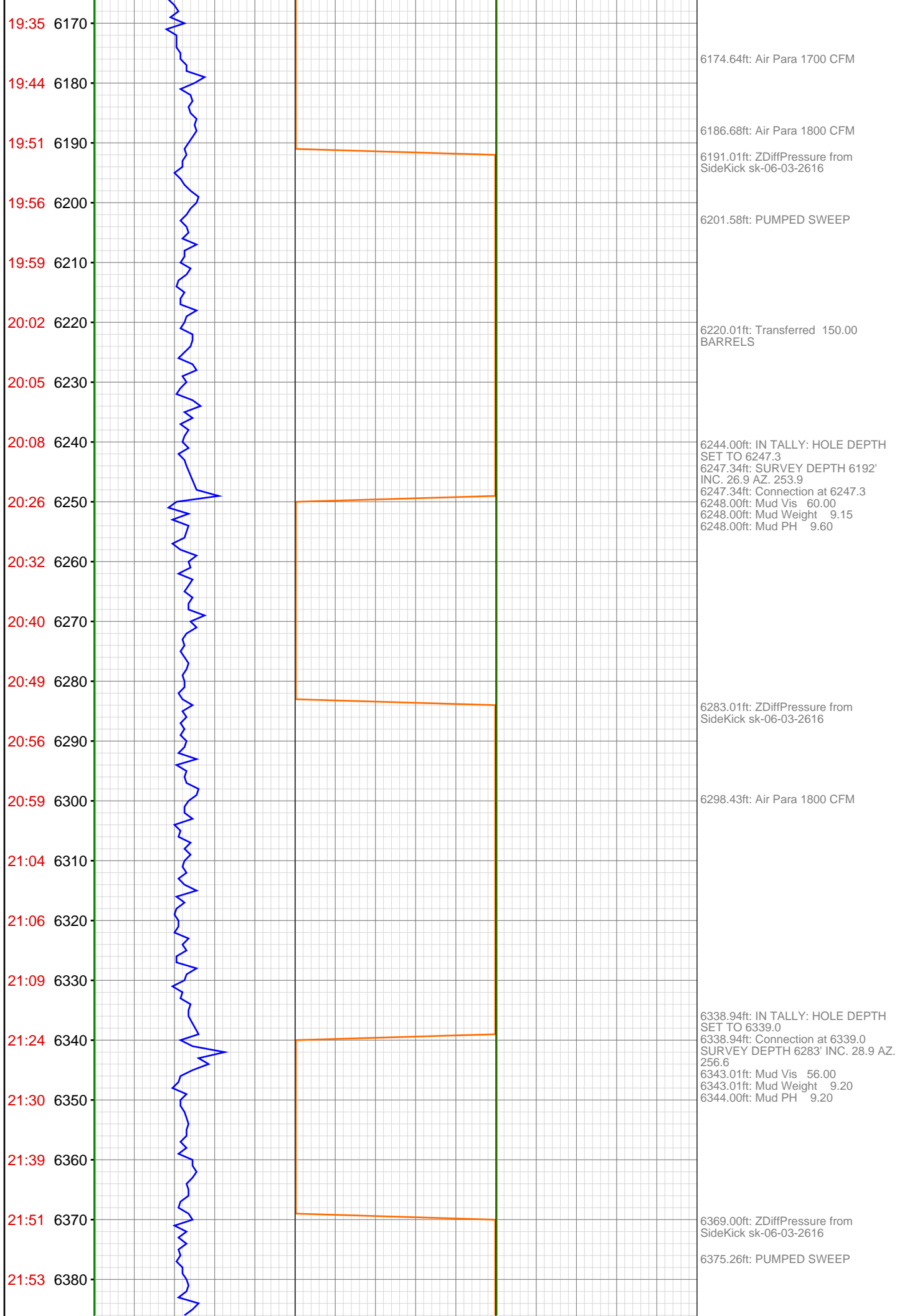
5387.73ft: 008TGAS-Check dryer
cable (rig air)

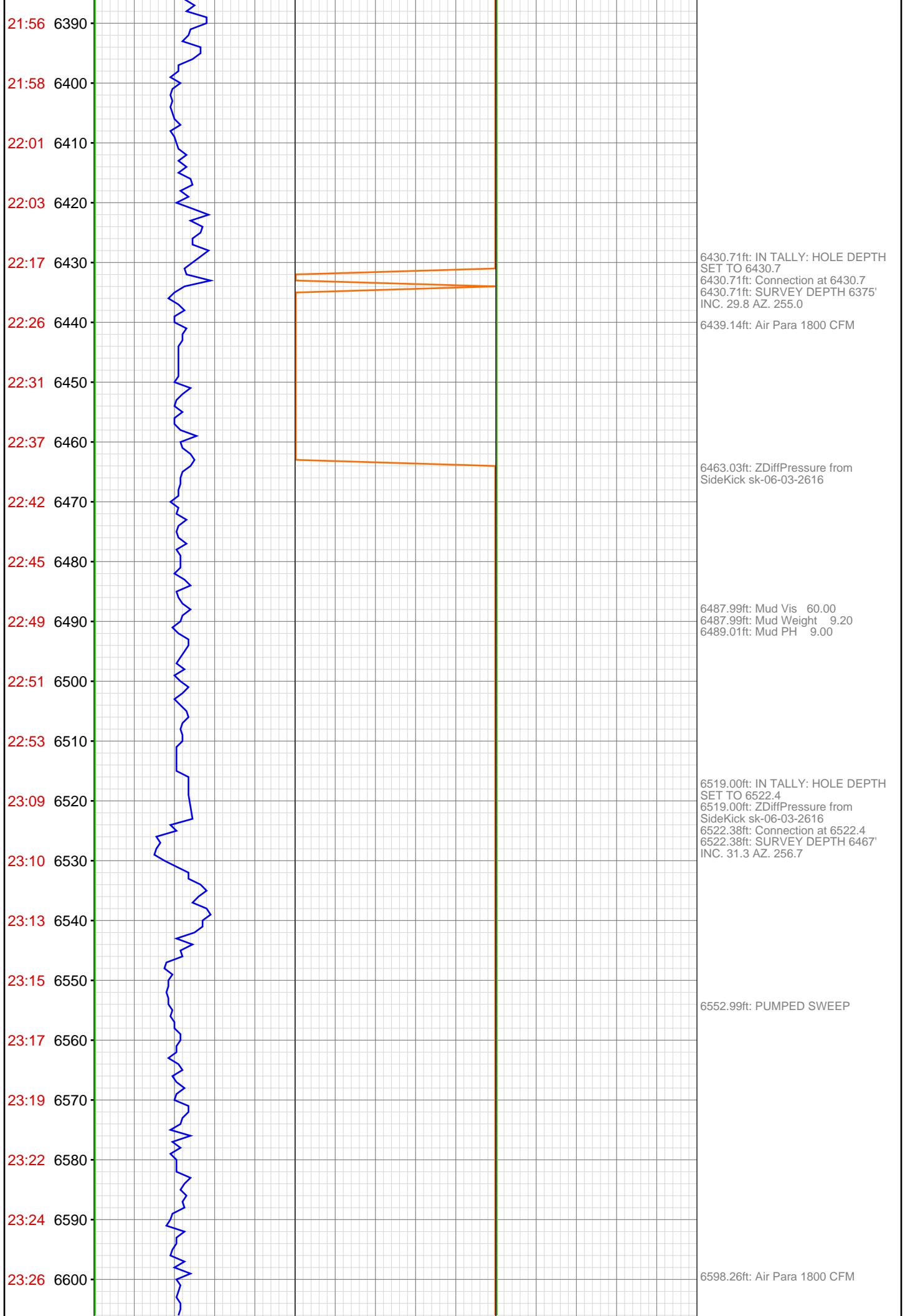
5421.00ft: IN TALLY: HOLE DEPTH
SET TO 5423.3
5423.26ft: Connection at 5423.3
5423.26ft: SURVEY Depth 5368' Inc.
30.2 Az. 256.6

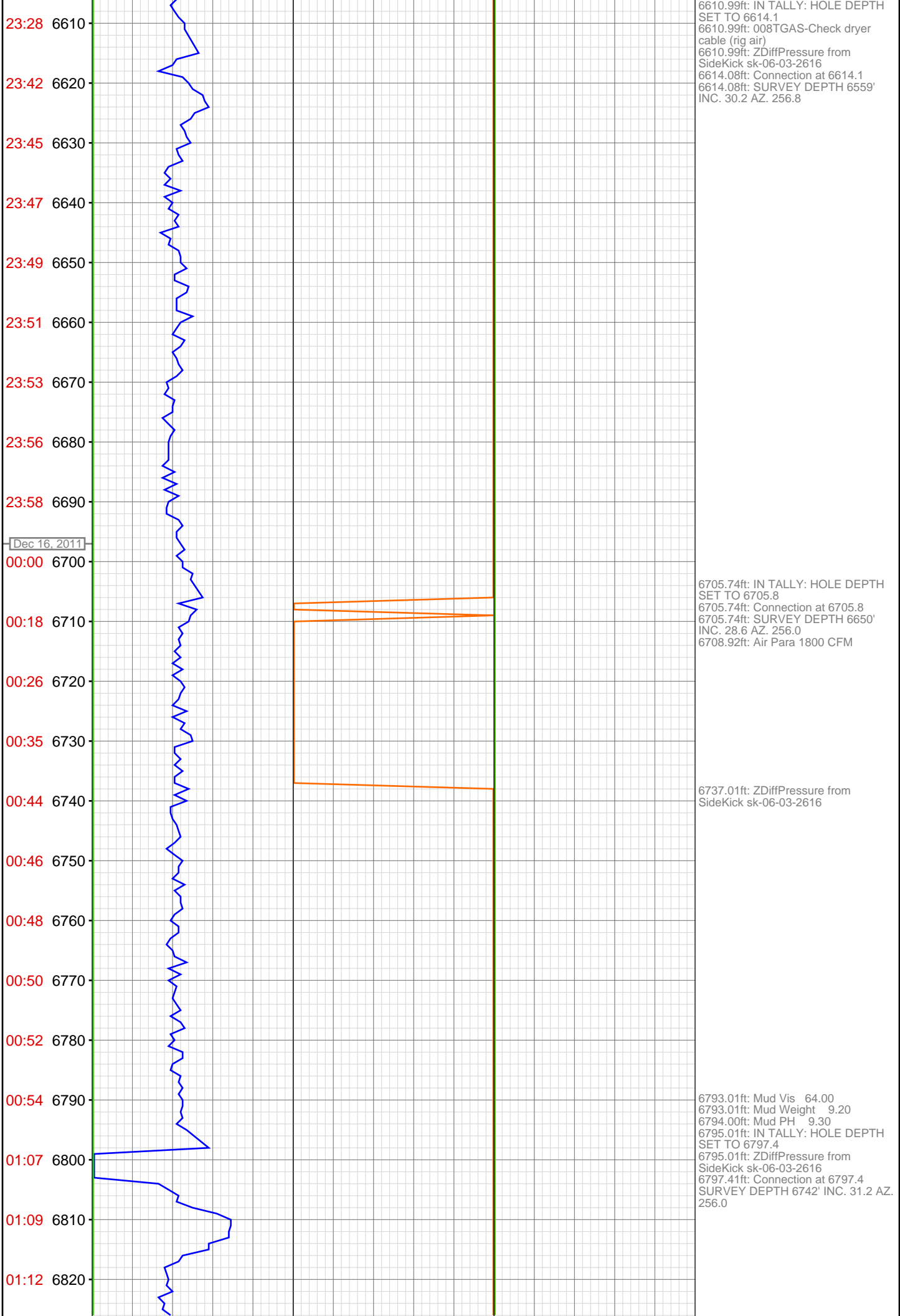


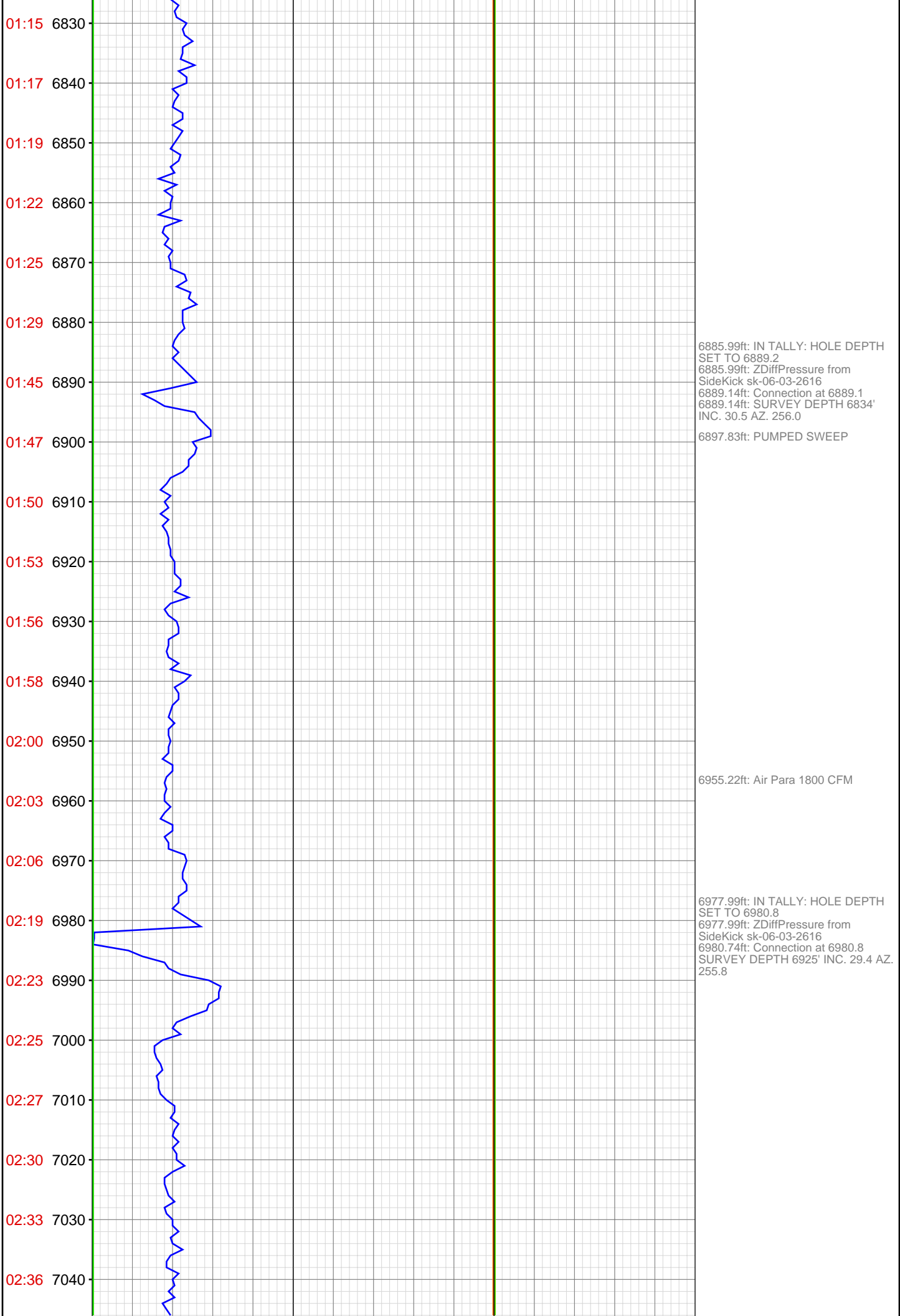












02:39 7050
02:42 7060
02:58 7070
03:00 7080
03:03 7090
03:05 7100
03:08 7110
03:11 7120
03:15 7130
03:17 7140
03:20 7150
03:23 7160
03:45 7170
03:52 7180
03:59 7190
04:01 7200
04:04 7210
04:06 7220
04:09 7230
04:12 7240
04:14 7250
04:29 7260



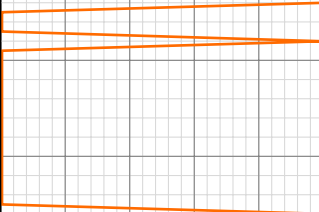
7069.00ft: IN TALLY: HOLE DEPTH
SET TO 7072.4
7069.00ft: ZDiffPressure from
SideKick sk-06-03-2616
7072.44ft: Connection at 7072.4
7072.44ft: SURVEY DEPTH 7017'
INC. 28.6 AZ. 255.8
7072.44ft: Air Para 1800 CFM
7078.31ft: PUMPED SWEEP

7099.02ft: SURVEY
7100.98ft: Mud Vis 61.00
7102.00ft: Mud Weight 9.25
7102.99ft: Mud PH 9.10

7160.99ft: IN TALLY: HOLE DEPTH
SET TO 7164.0
7163.94ft: Connection at 7164.0
7163.94ft: SURVEY DEPTH 7108'
INC. 27.8 AZ. 255.5

7185.01ft: ZDiffPressure from
SideKick sk-06-03-2616

7252.99ft: IN TALLY: HOLE DEPTH
SET TO 7255.3
7252.99ft: Mud Vis 61.00
7252.99ft: Mud PH 9.30
7252.99ft: ZDiffPressure from
SideKick sk-06-03-2616
7255.28ft: Connection at 7255.3
7255.28ft: Mud Weight 9.30
7255.28ft: SURVEY DEPTH 7200'
INC. 29.4 AZ. 255.3



04:33 7270
04:35 7280
04:39 7290
04:41 7300
04:44 7310
04:47 7320
04:51 7330
04:55 7340
05:10 7350
05:13 7360
05:16 7370
05:19 7380
05:22 7390
05:26 7400
05:30 7410
05:34 7420
05:41 7430
06:00 7440
06:05 7450
06:09 7460
06:12 7470
06:15 7480



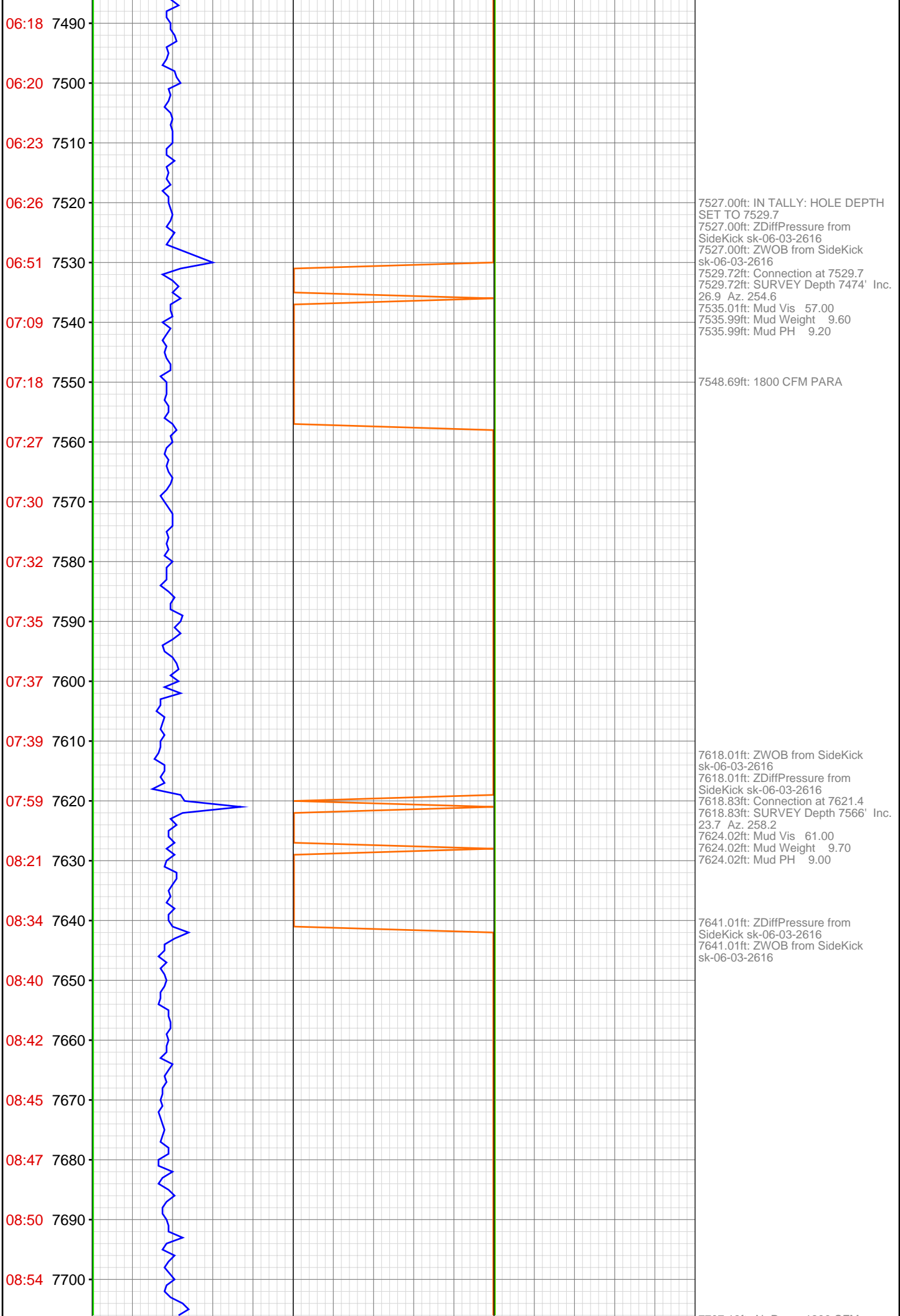
7270.14ft: PUMPED SWEEP

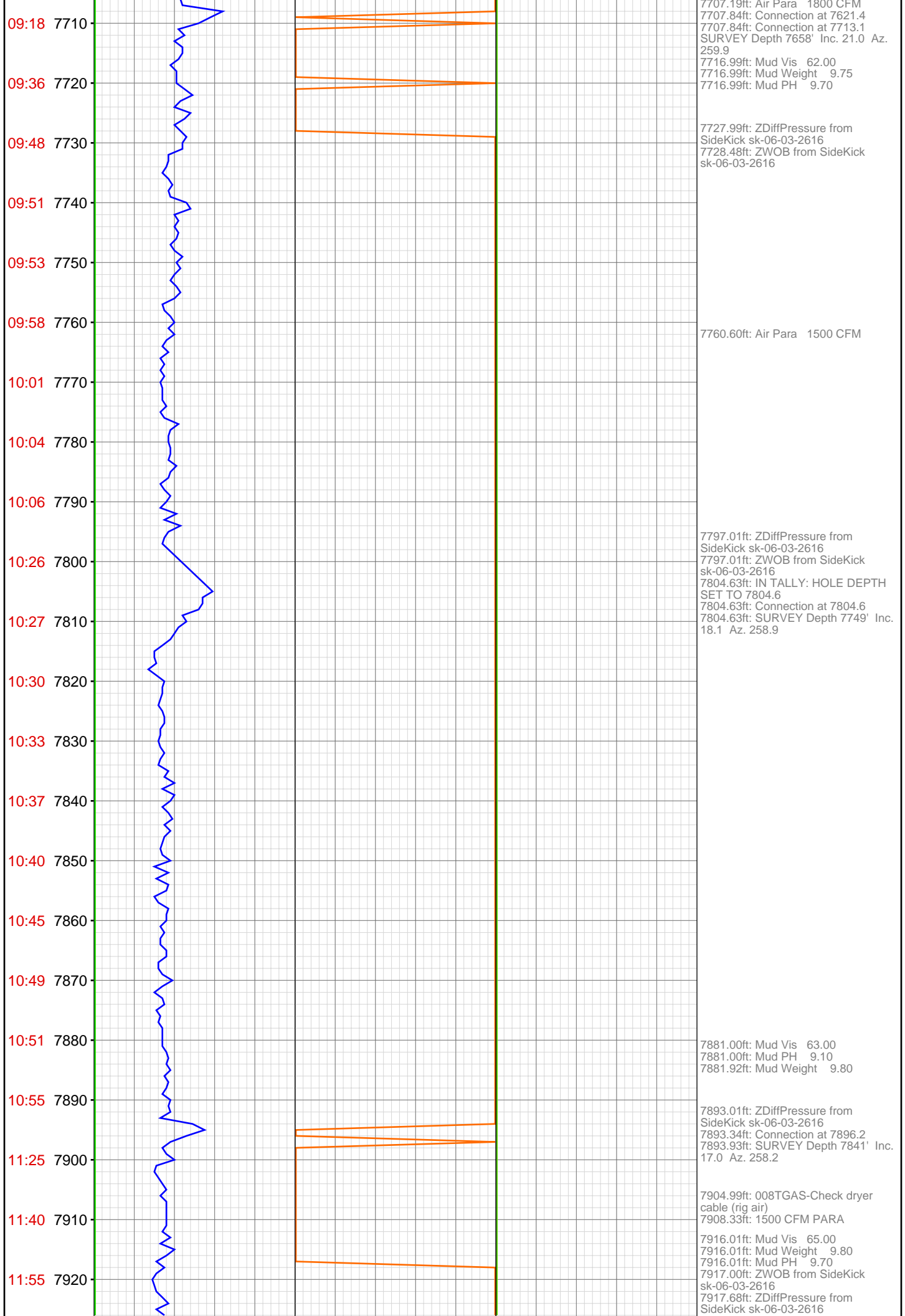
7344.00ft: IN TALLY: HOLE DEPTH
SET TO 7346.7
7344.00ft: Mud Weight 9.40
7344.00ft: Mud PH 9.40
7344.00ft: ZDiffPressure from
SideKick sk-06-03-2616
7346.72ft: Connection at 7346.7
7346.72ft: SURVEY DEPTH 7291'
INC. 28.1 AZ. 254.6
7346.72ft: Air Para 1800 CFM
7346.72ft: Mud Vis 57.00

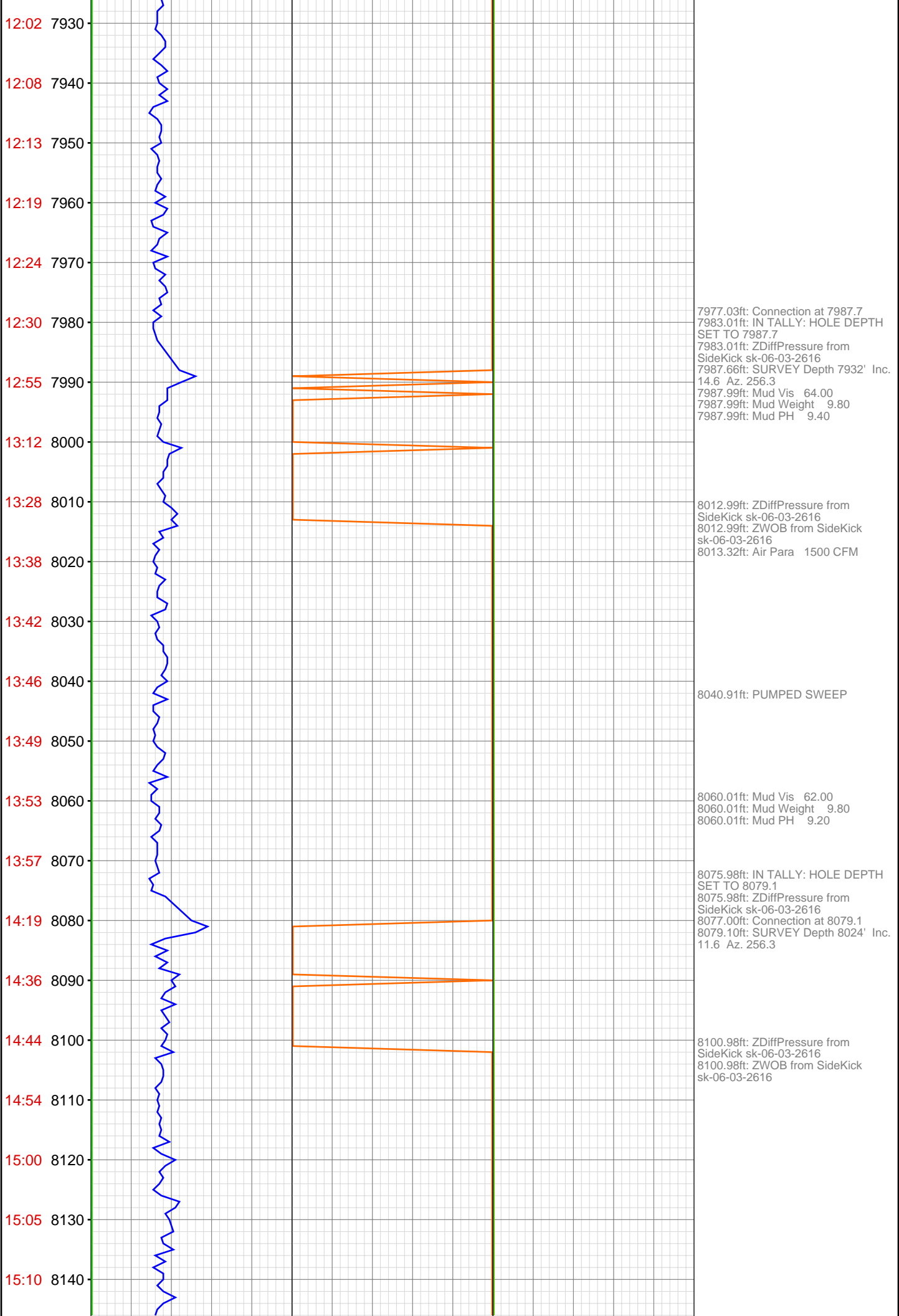
7416.99ft: 008TGAS-Check dryer
cable (rig air)

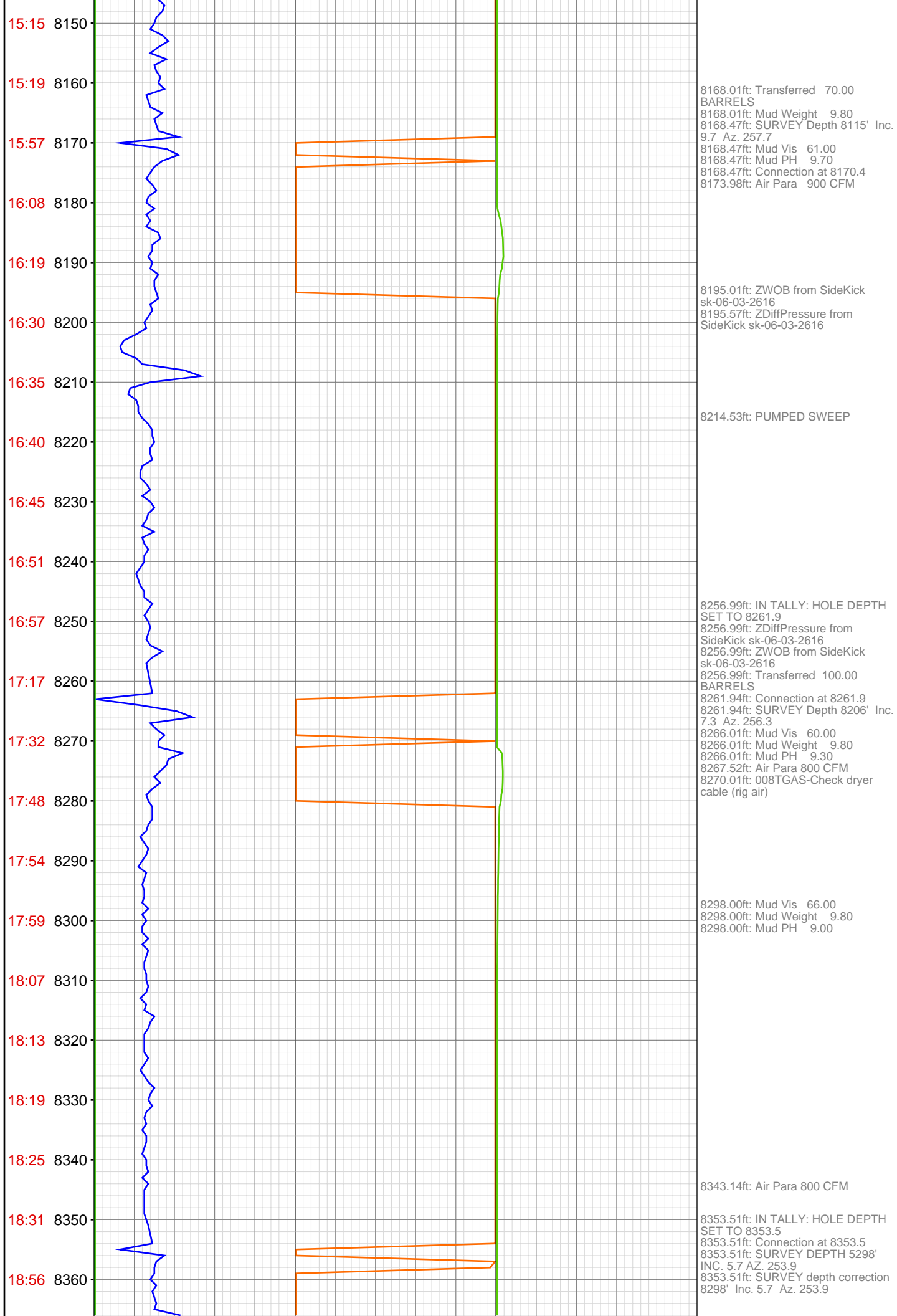
7435.01ft: ZWOB from SideKick
sk-06-03-2616
7435.01ft: ZDiffPressure from
SideKick sk-06-03-2616
7438.32ft: IN TALLY: HOLE DEPTH
SET TO 7438.3
7438.32ft: Connection at 7438.3
7438.32ft: SURVEY Depth 7383' Inc.
27.1 Az. 255.0
7439.01ft: Mud Vis 55.00
7439.01ft: Mud Weight 9.45
7439.01ft: Mud PH 9.00

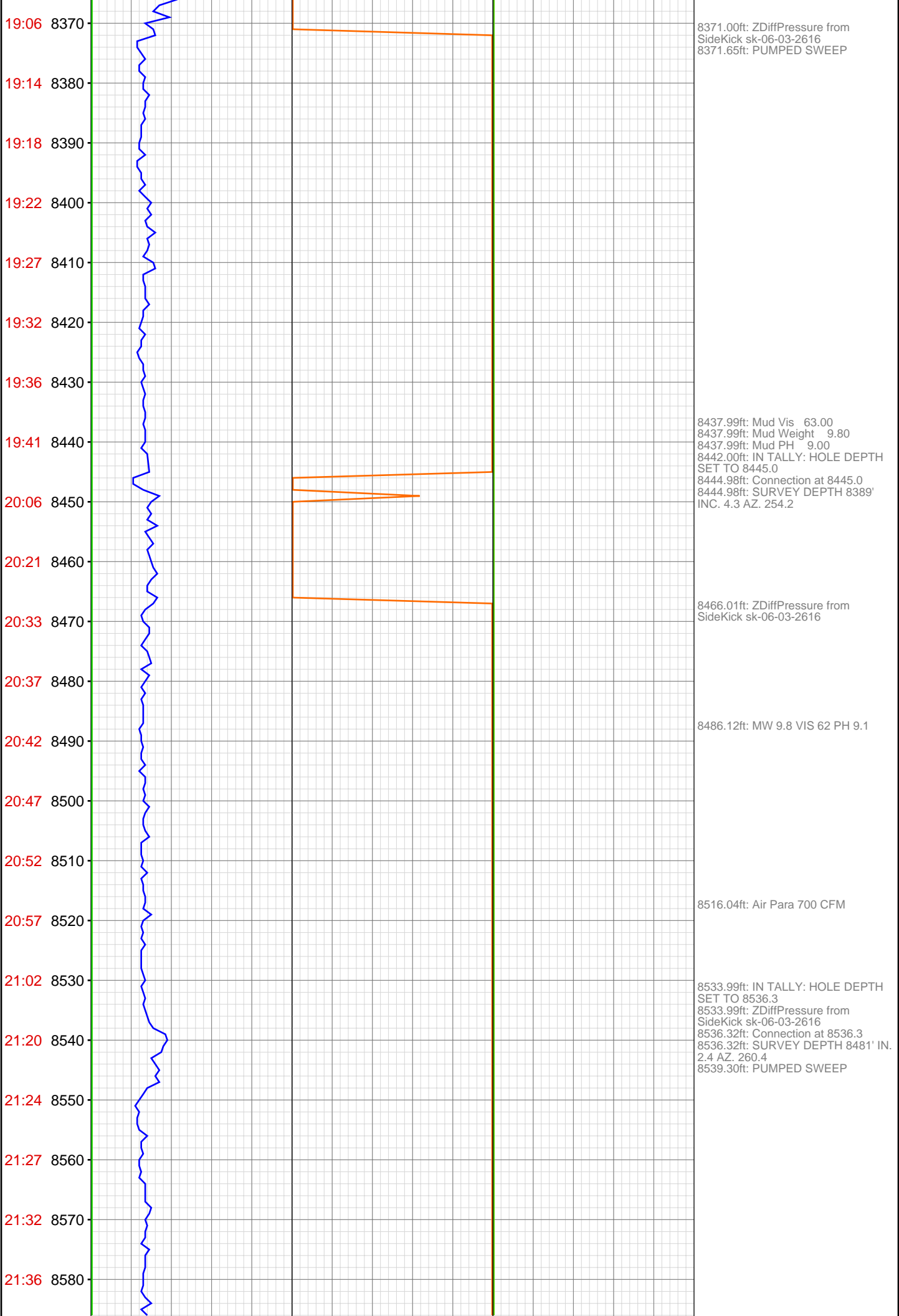
7478.77ft: Air Para 1800 CFM

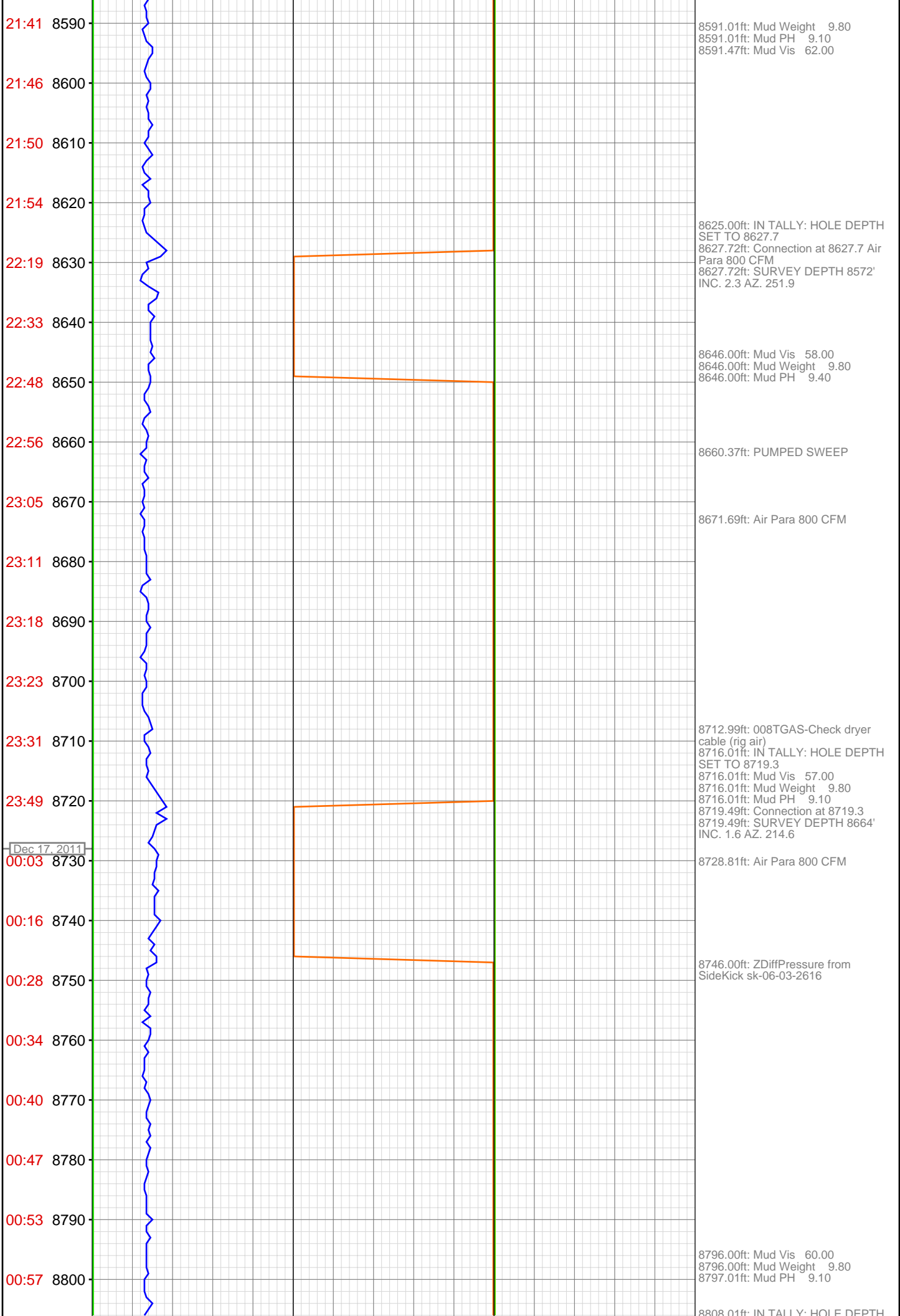


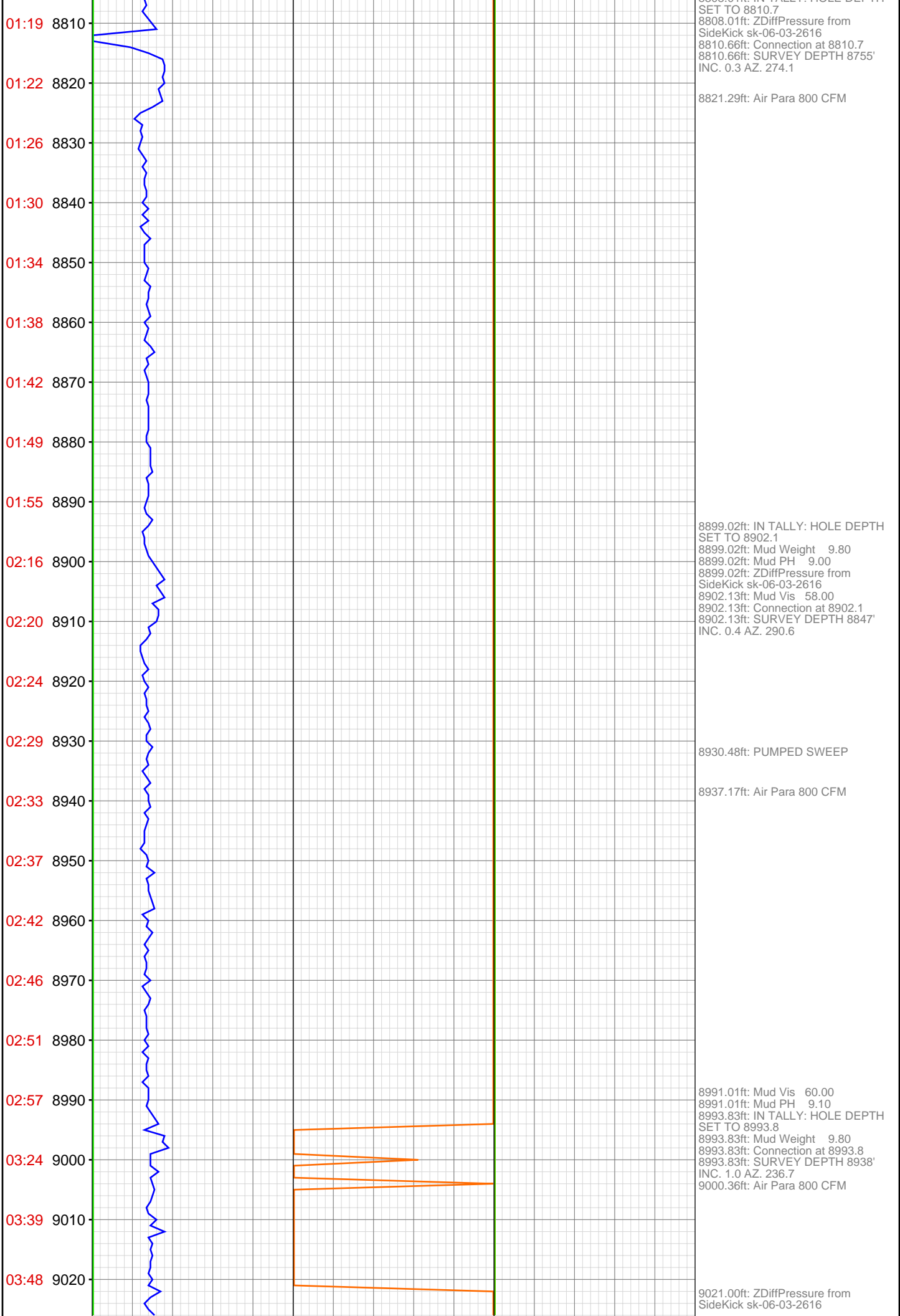












03:56 9030
03:59 9040
04:02 9050
04:08 9060
04:14 9070
04:19 9080
04:43 9090
04:48 9100
04:53 9110
04:58 9120
05:03 9130
05:08 9140
05:13 9150
05:17 9160
05:22 9170
05:44 9180
05:53 9190
05:57 9200
06:04 9210
06:09 9220
06:16 9230
06:22 9240



9054.00ft: Mud Vis 60.00
9054.00ft: Mud Weight 9.80
9054.00ft: Mud PH 9.20

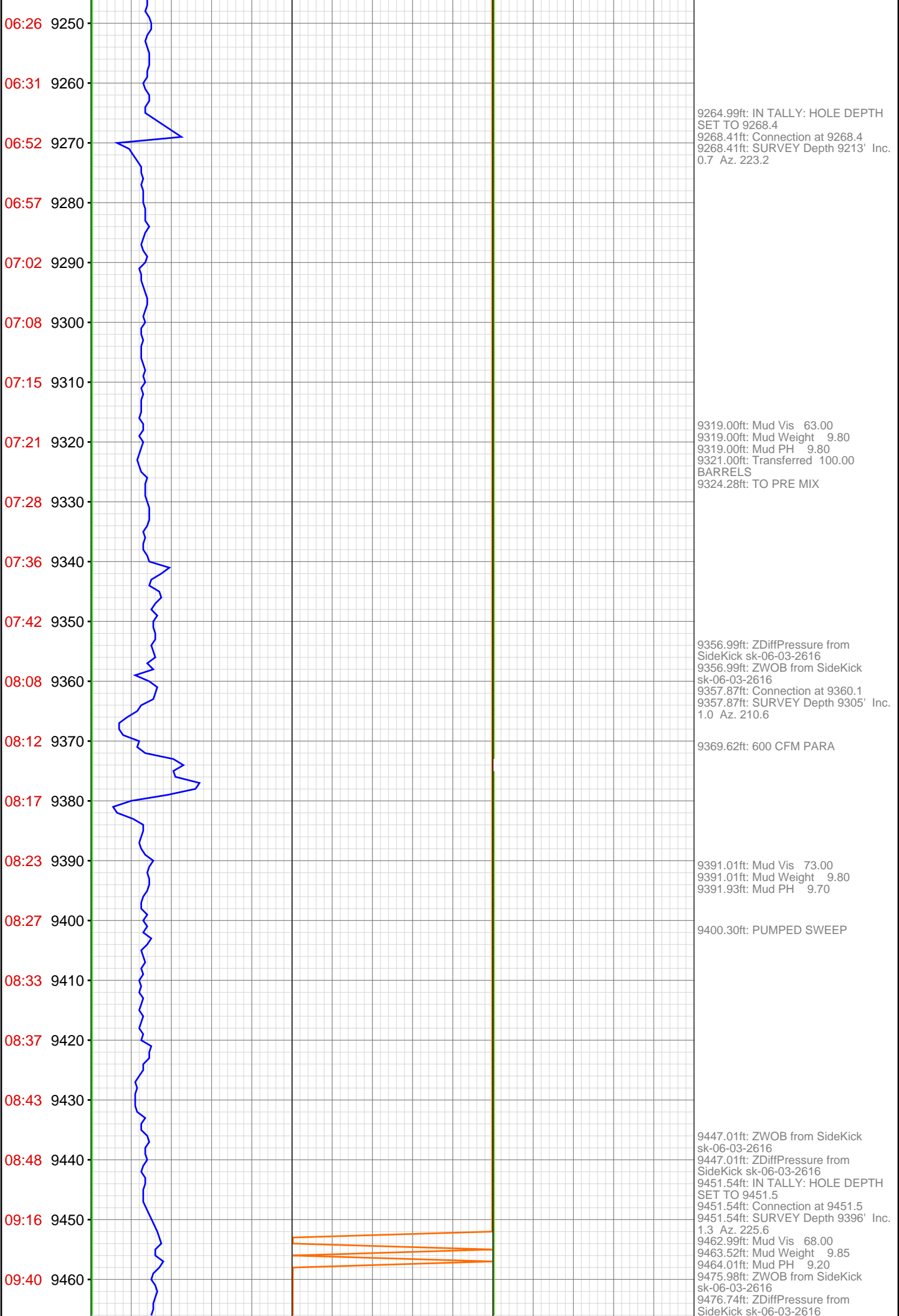
9081.99ft: IN TALLY: HOLE DEPTH
SET TO 9085.3
9081.99ft: ZDiffPressure from
SideKick sk-06-03-2616
9085.27ft: Connection at 9085.3
9085.27ft: SURVEY DEPTH 9030'
INC. 0.5 AZ. 19.3
9086.65ft: Air Para 800 CFM

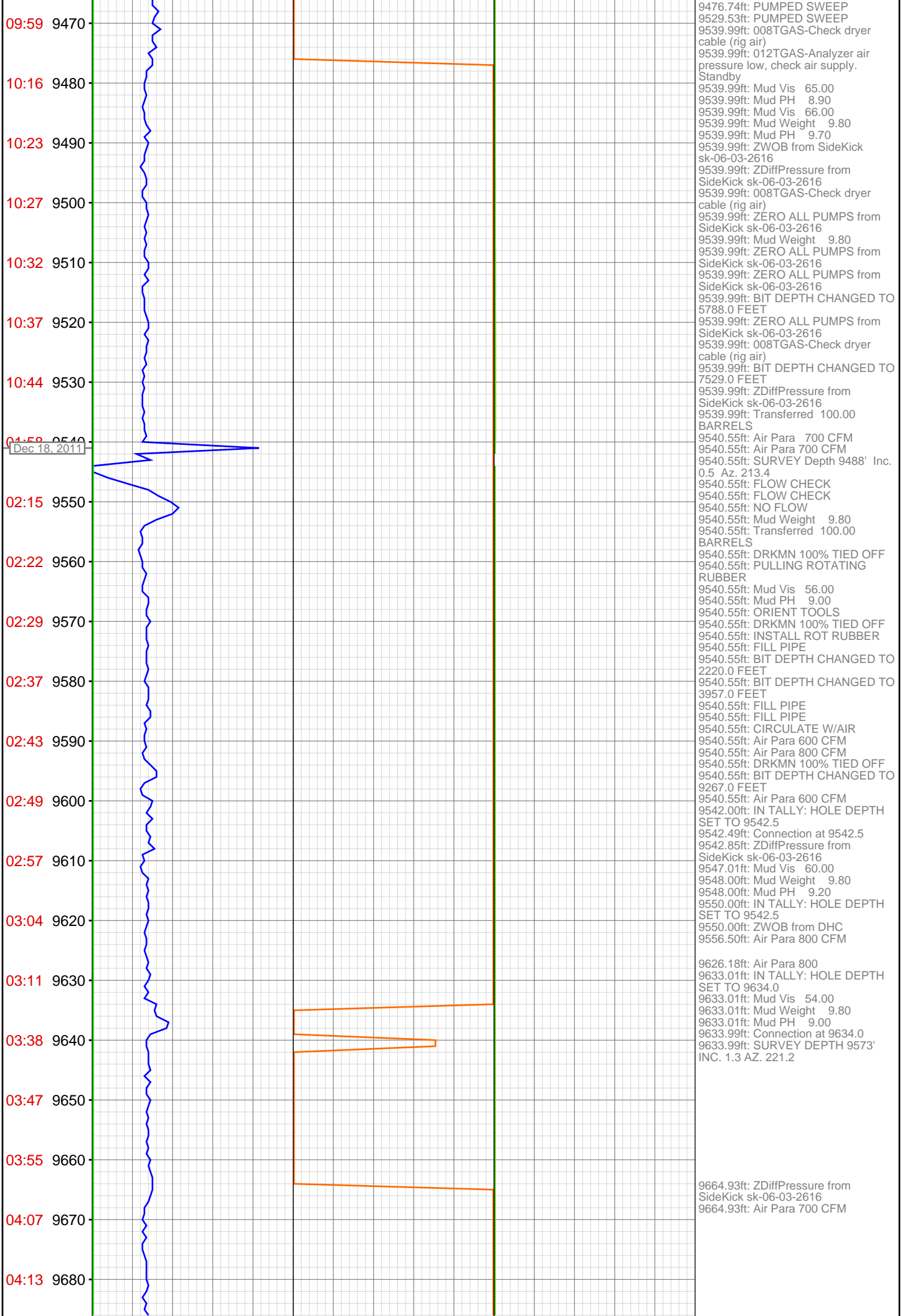
9125.00ft: Mud Vis 55.00
9125.00ft: Mud Weight 9.80
9125.98ft: Mud PH 9.30

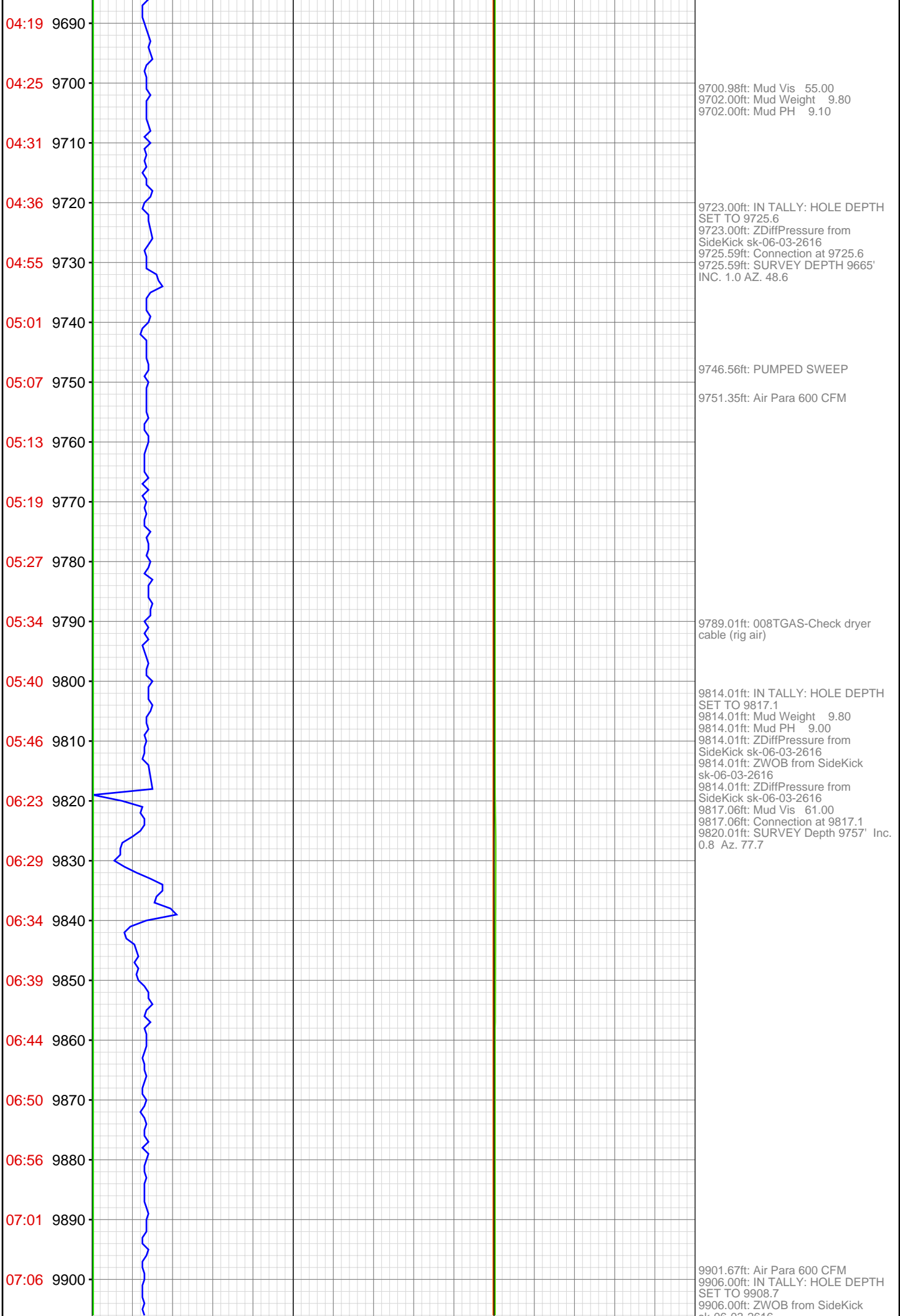
9133.14ft: Air Para 700 CFM

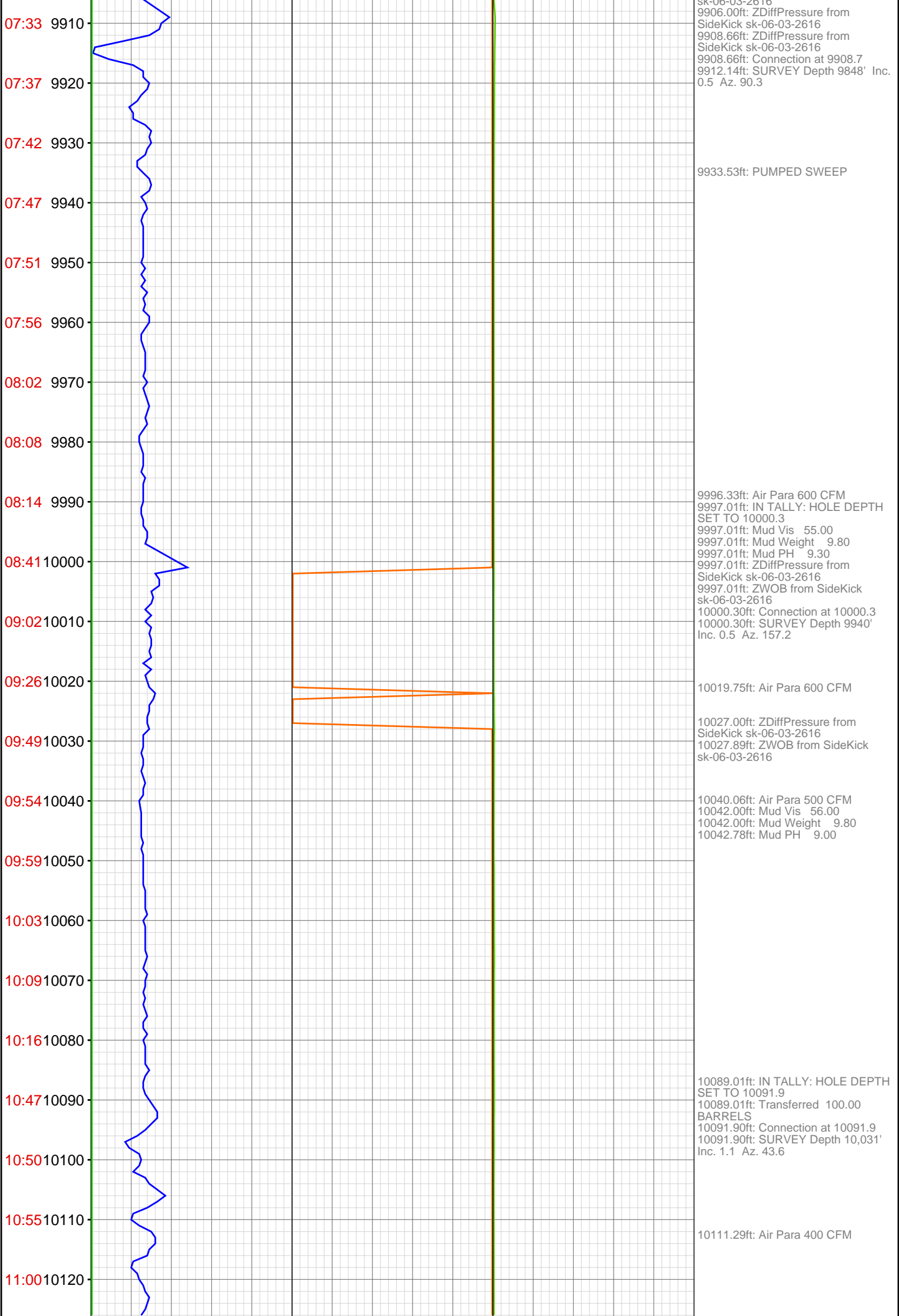
9174.02ft: IN TALLY: HOLE DEPTH
SET TO 9176.9
9174.02ft: 008TGAS-Check dryer
cable (rig air)
9176.90ft: Connection at 9176.9
9176.90ft: SURVEY Depth 9121' Inc.
0.3 Az. 232.2
9183.99ft: ZDiffPressure from
SideKick sk-06-03-2616
9183.99ft: ZWOB from SideKick
sk-06-03-2616
9183.99ft: ZWOB from SideKick
sk-06-03-2616
9183.99ft: ZDiffPressure from
SideKick sk-06-03-2616

9217.88ft: 700 CFM PARA

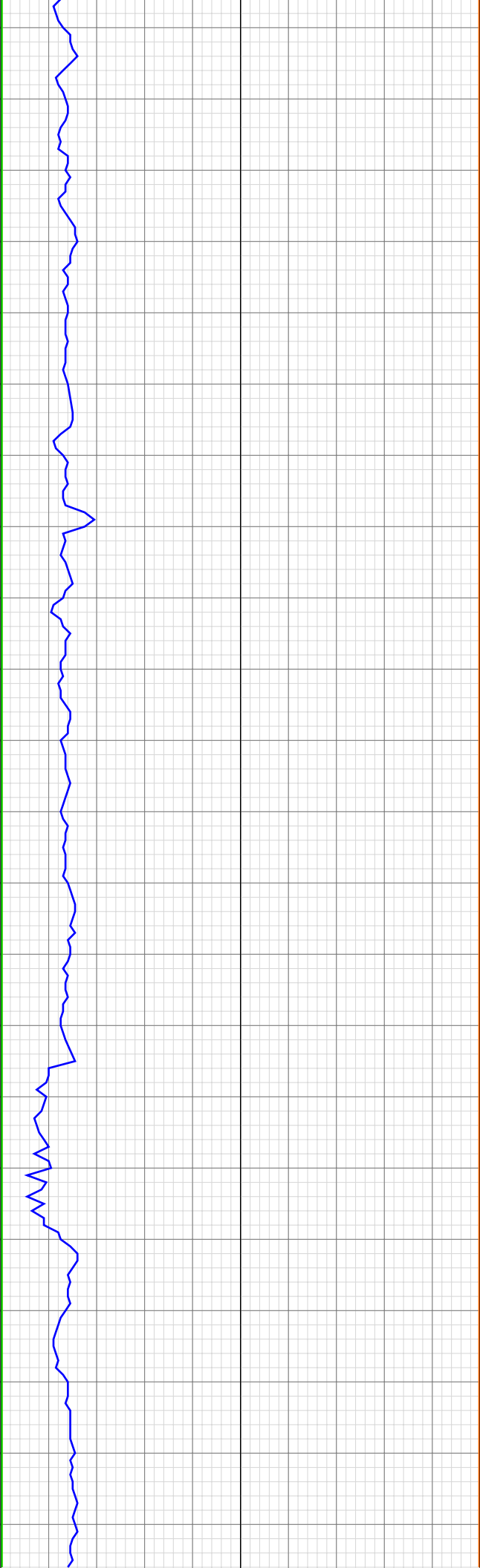








11:05 10130
11:10 10140
11:14 10150
11:19 10160
11:24 10170
12:04 10180
12:07 10190
12:11 10200
12:16 10210
12:21 10220
12:27 10230
12:32 10240
12:37 10250
12:43 10260
12:48 10270
13:35 10280
13:40 10290
13:44 10300
13:49 10310
13:53 10320
13:58 10330
14:03 10340



10150.98ft: Mud Vis 61.00
10150.98ft: Mud Weight 9.80
10150.98ft: Mud PH 9.50

10179.99ft: IN TALLY: HOLE DEPTH
SET TO 10183.4
10179.99ft: ZDiffPressure from
SideKick sk-06-03-2616
10183.43ft: 008TGAS-Check dryer
cable (rig air)
10183.43ft: ZWOB from SideKick
sk-06-03-2616
10183.43ft: Connection at 10183.4
10183.43ft: SURVEY Depth 10,123'
Inc. 0.8 Az. 9.5
10192.52ft: Air Para 400 CFM

10244.00ft: Mud Vis 61.00
10244.00ft: Mud Weight 9.80
10244.00ft: Mud PH 9.20

10272.01ft: IN TALLY: HOLE DEPTH
SET TO 10274.7
10272.01ft: ZWOB from SideKick
sk-06-03-2616
10274.71ft: ZDiffPressure from
SideKick sk-06-03-2616
10274.71ft: Connection at 10274.7
10274.71ft: Transferred 50.00
BARRELS
10274.71ft: SURVEY Depth 10,214'
Inc. 0.1 Az. 280.4

10298.00ft: Transferred 100.00
BARRELS

10344.29ft: 400 CFM PARA

