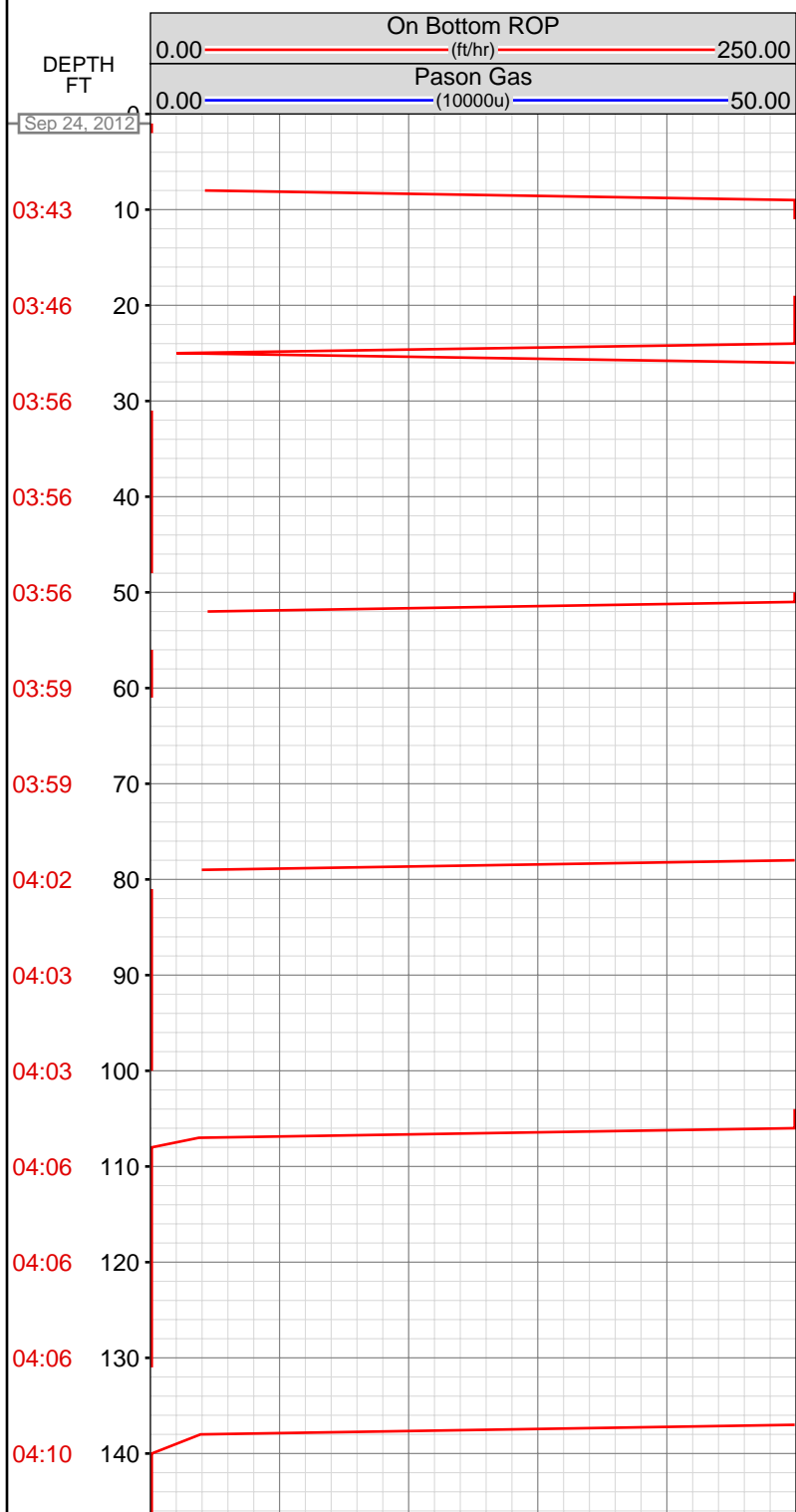


DataHub EDR Log

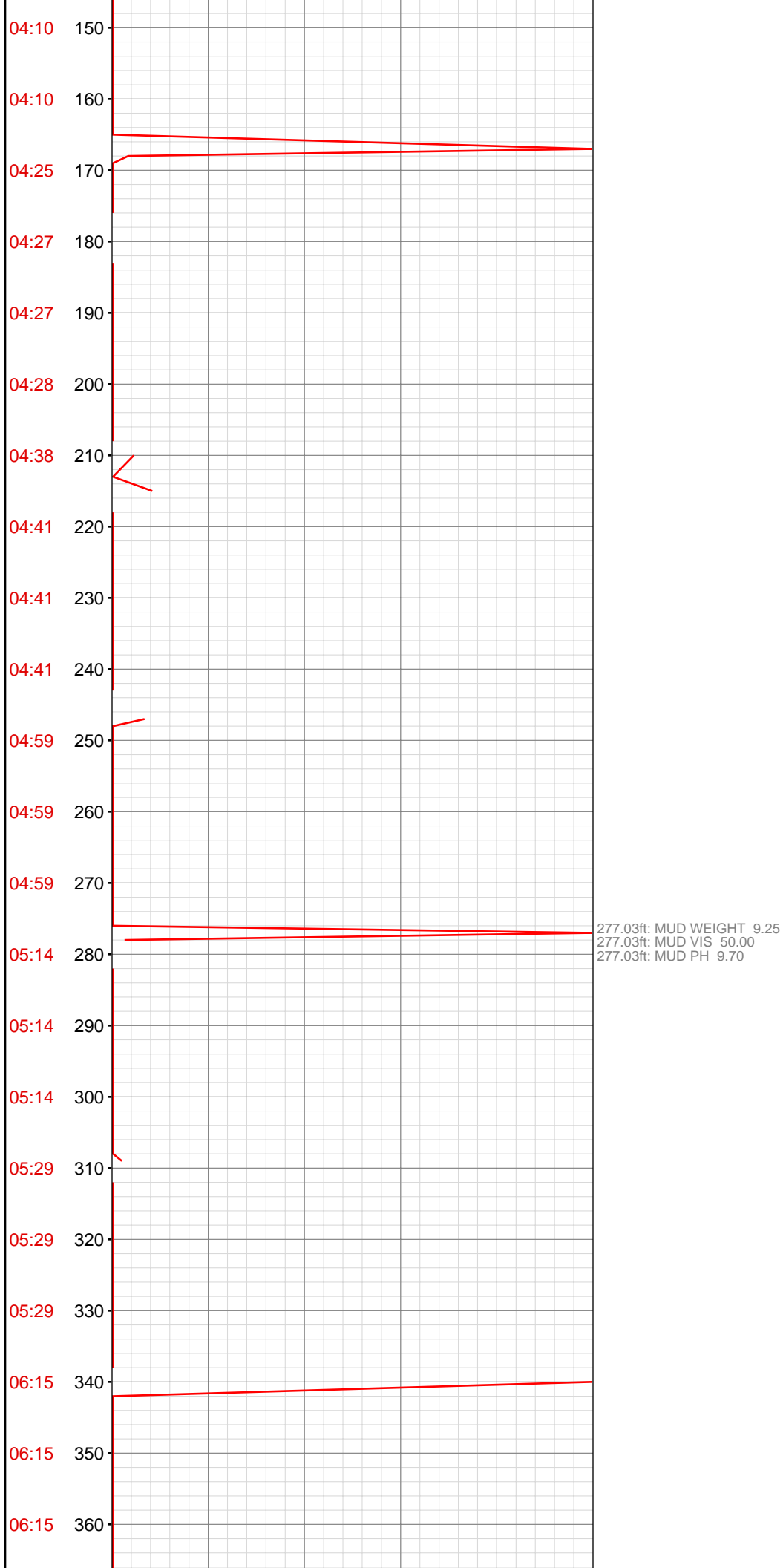
Mon Oct 01, 2012 09:46:16
Well Dossier 1348451322
Greg Veregin

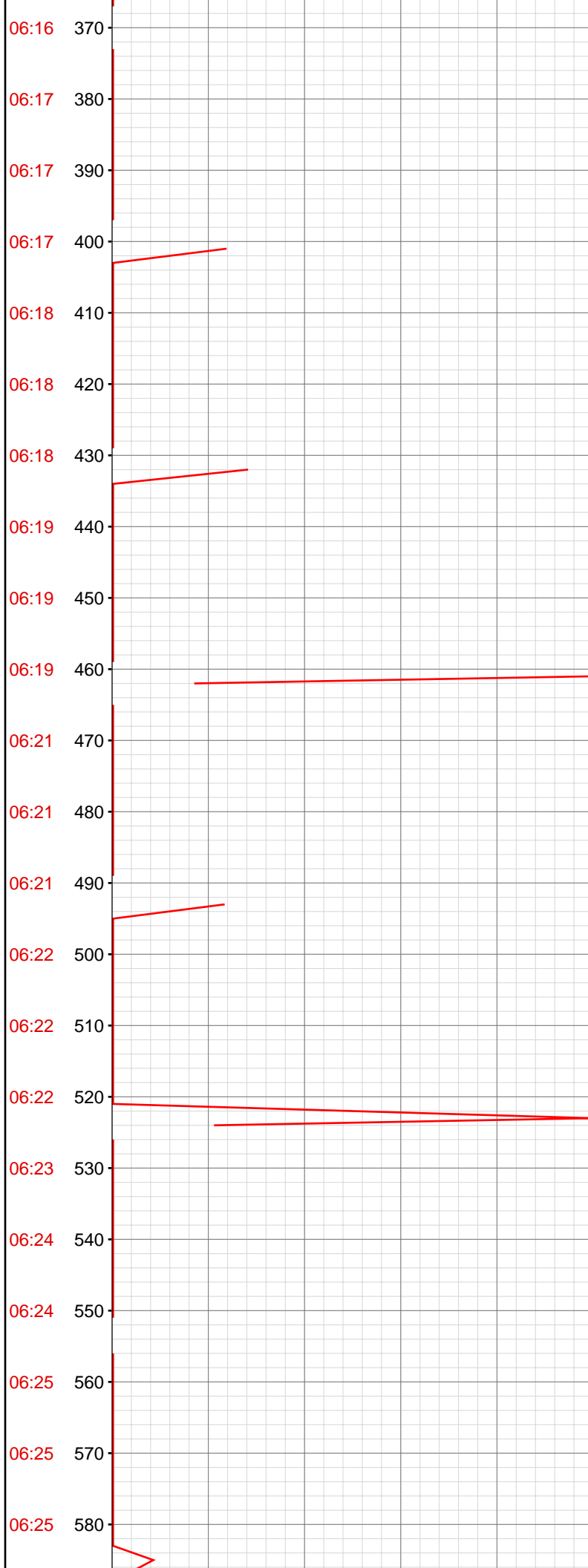
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: SHIDELER FEE 31-11A
FIELD:
LOCATION: NE SW SEC 31, T007S, R92W6
COUNTRY: USA
RIG: Pat-UTI 303

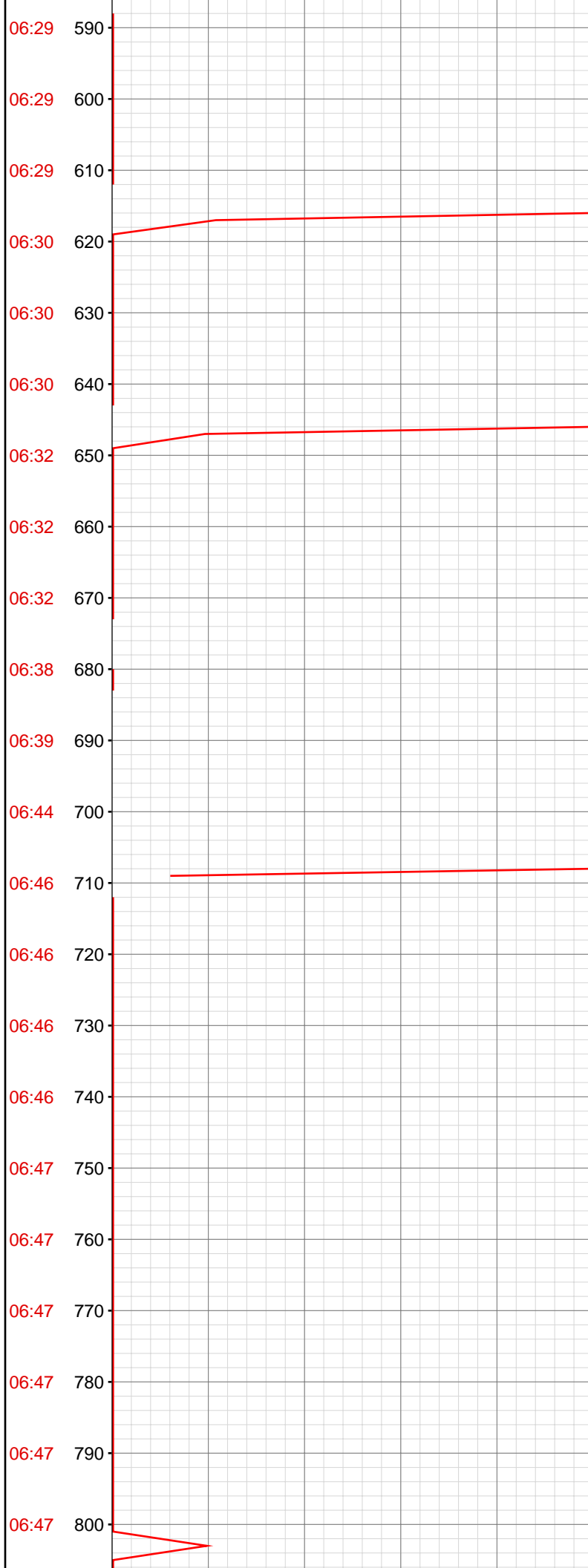
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05 045 21619 00
SPUD DATE: Sep 24, 2012 08:00
RELEASE DATE: Sep 30, 2012 06:00

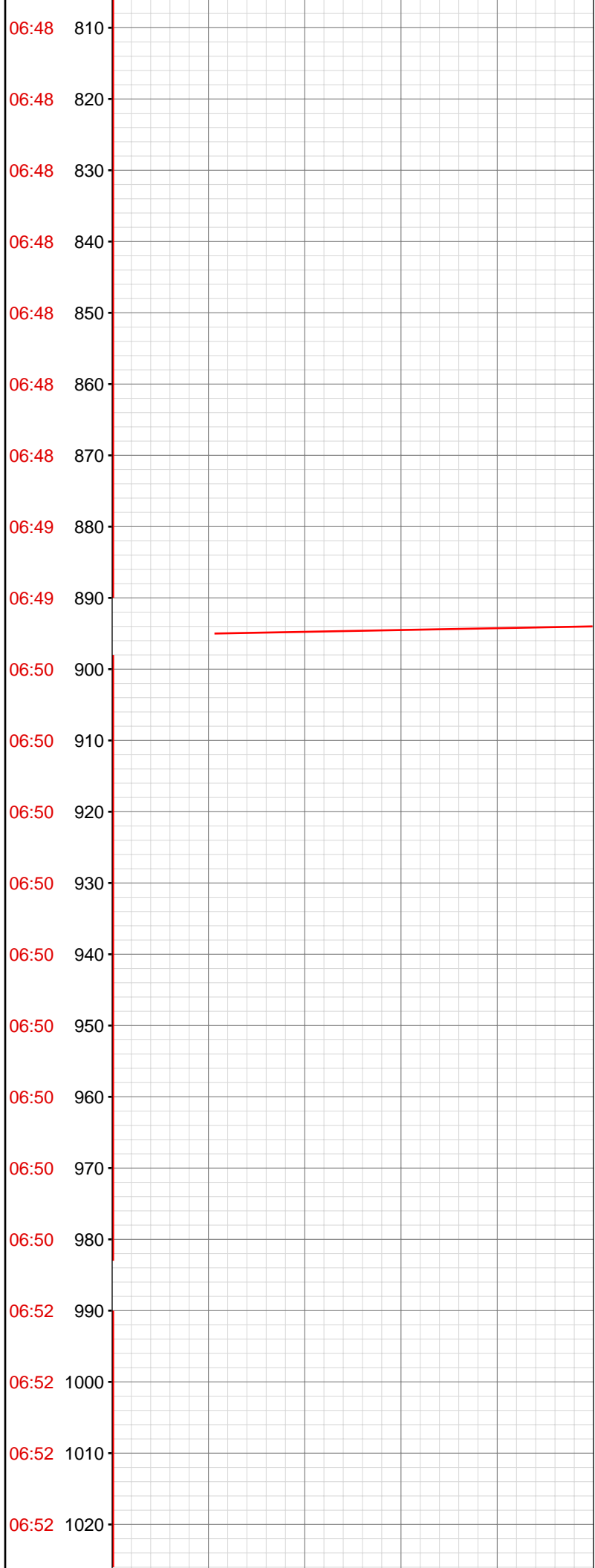


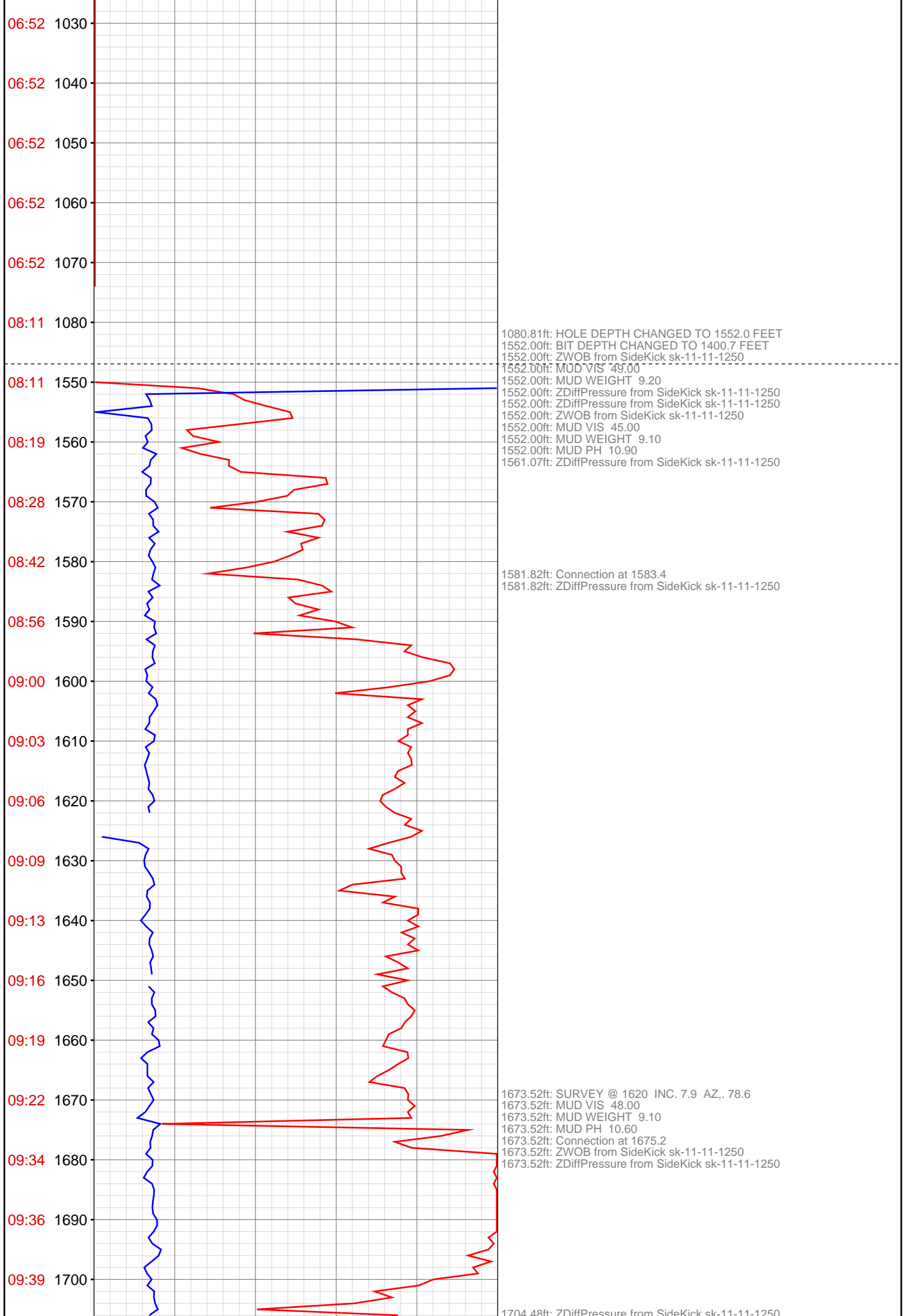
MEMOS

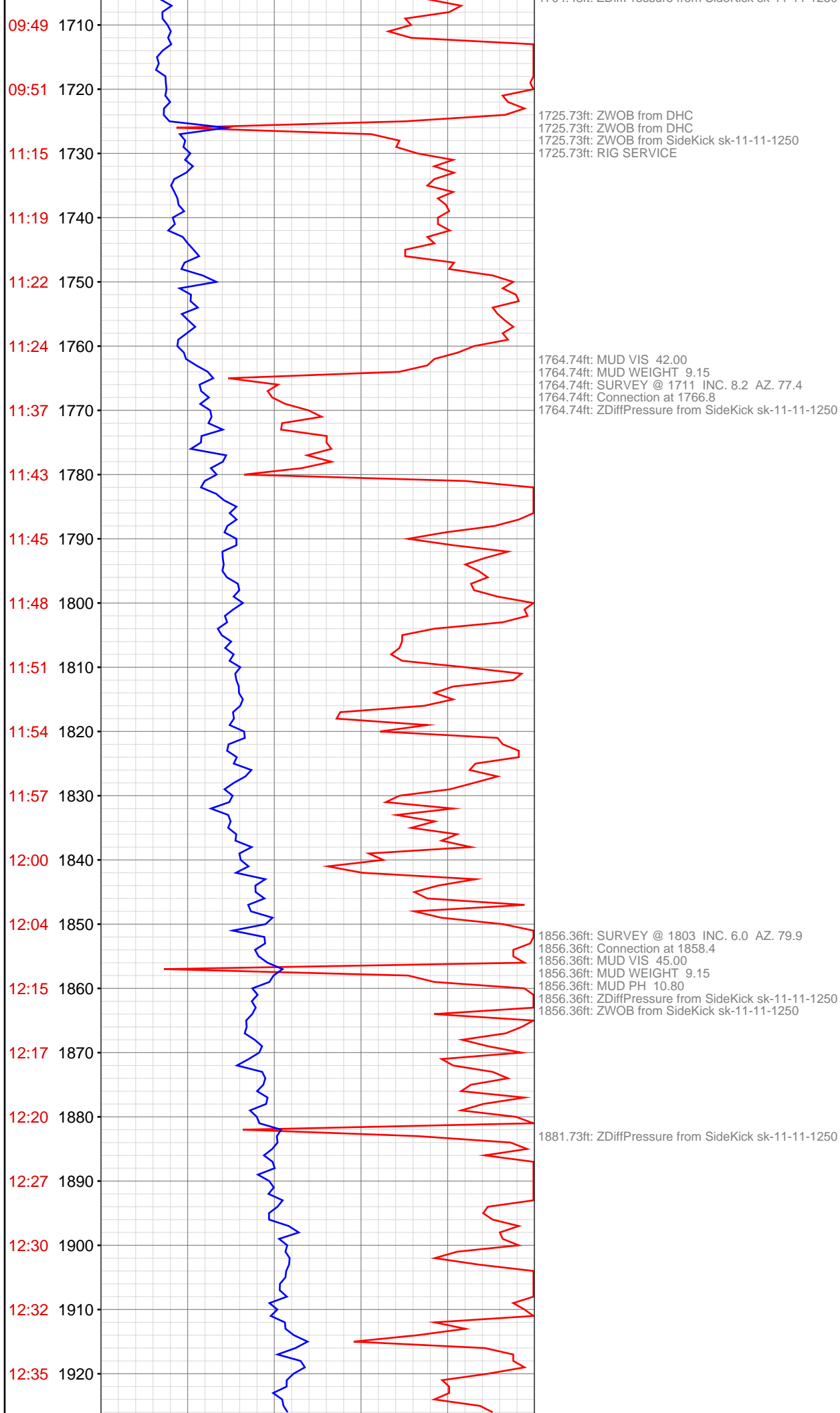


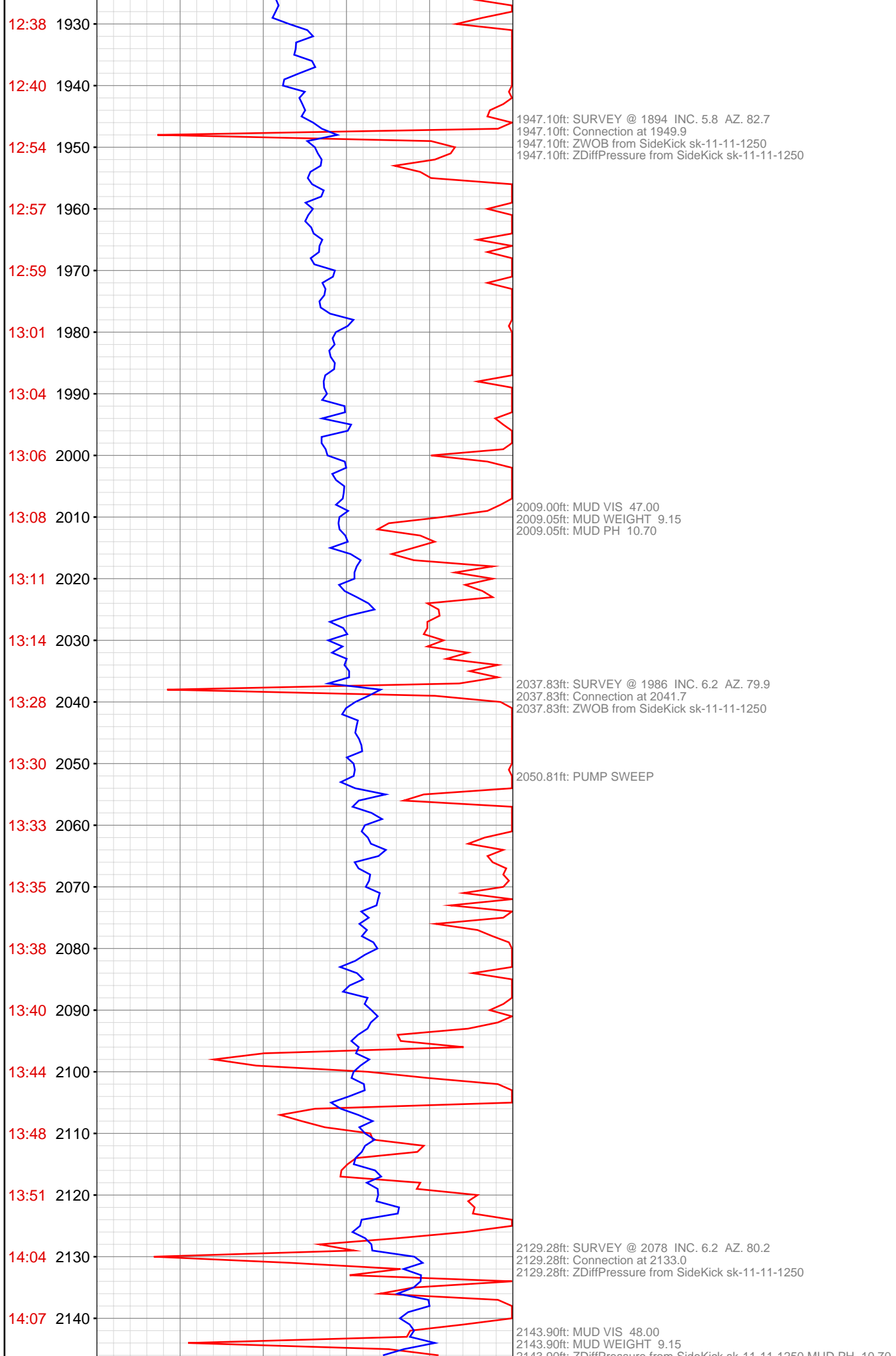










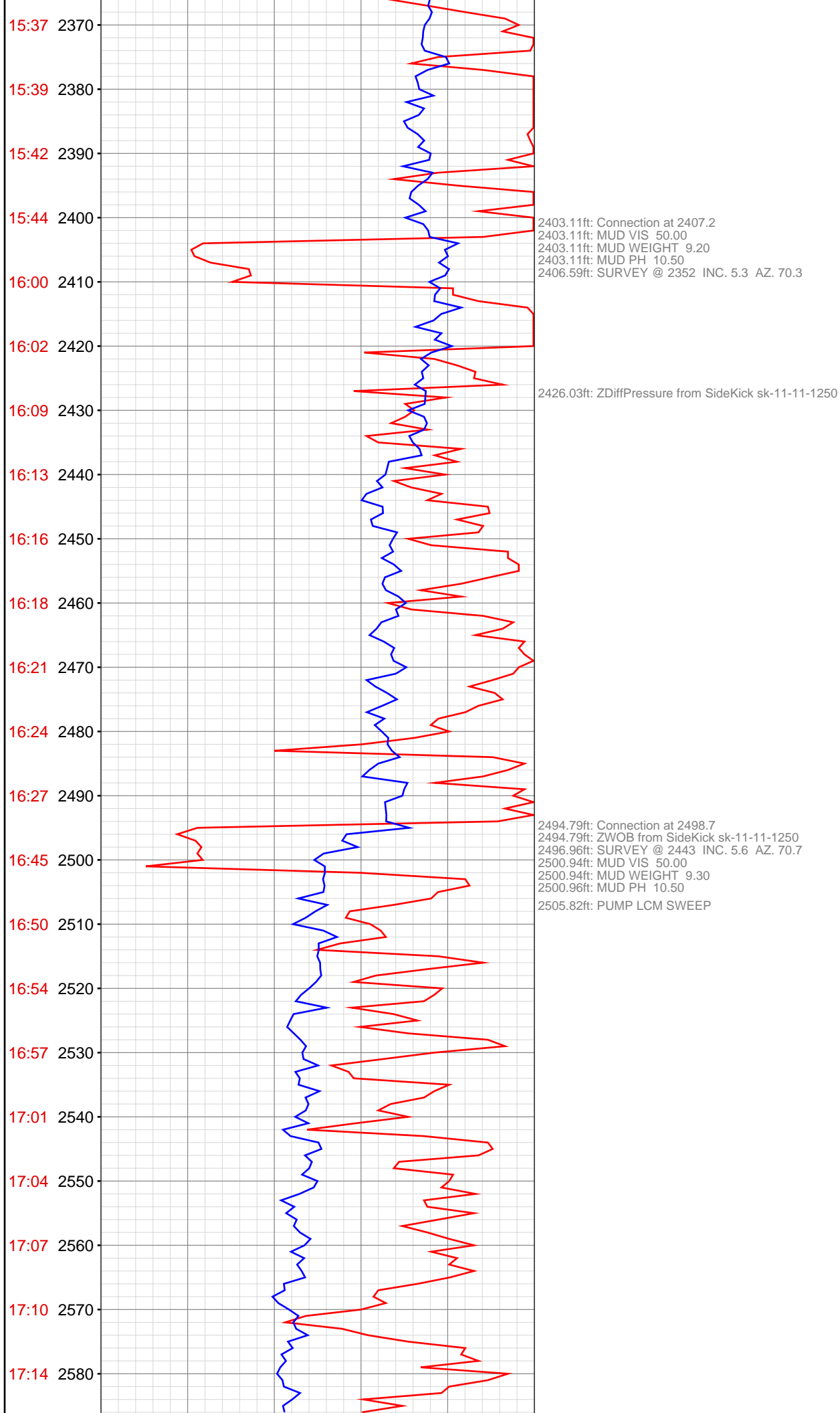


2143.90ft: ZDiffPressure from SideKick sk-11-11-1250 MUD PH 10.70

2143.90ft: ZDiffPressure from SideKick sk-11-11-1250

2220.68ft: Connection at 2224.0
2220.68ft: ZDIFF from DHC
2220.68ft: ZDiffPressure from SideKick sk-11-11-1250
2220.68ft: SURVEY @ 2169 INC. 5.9 AZ. 82.3

2308.52ft: MUD VIS 50.00
2309.00ft: MUD WEIGHT 9.20
2309.28ft: MUD PH 10.60
2311.77ft: SURVEY @ 2260 INC. 5.5 AZ. 70.8
2311.77ft: Connection at 2315.7
2311.77ft: HOOKLOAD WAS RECALIBRATED
2311.77ft: ZWOB from SideKick sk-11-11-1250



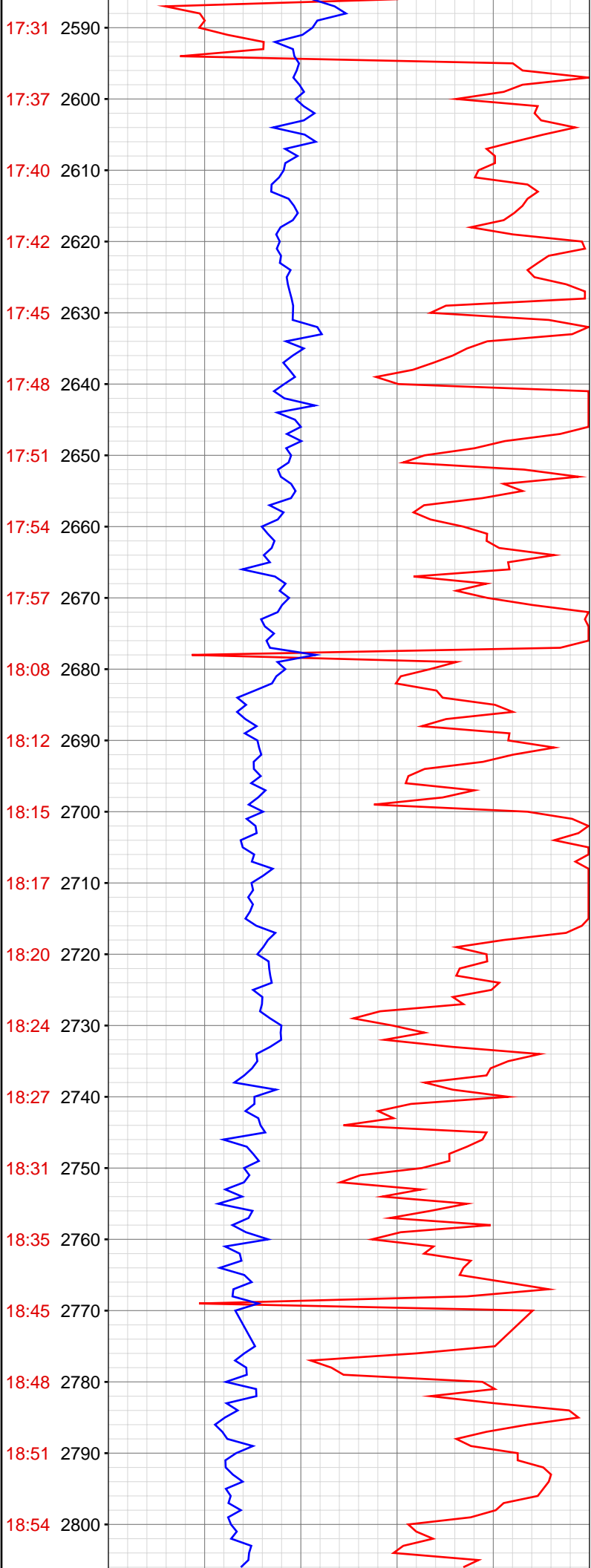
2586.15ft: Connection at 2590.5
2587.28ft: SURVEY @ 2535 INC. 5.8 AZ. 72.5

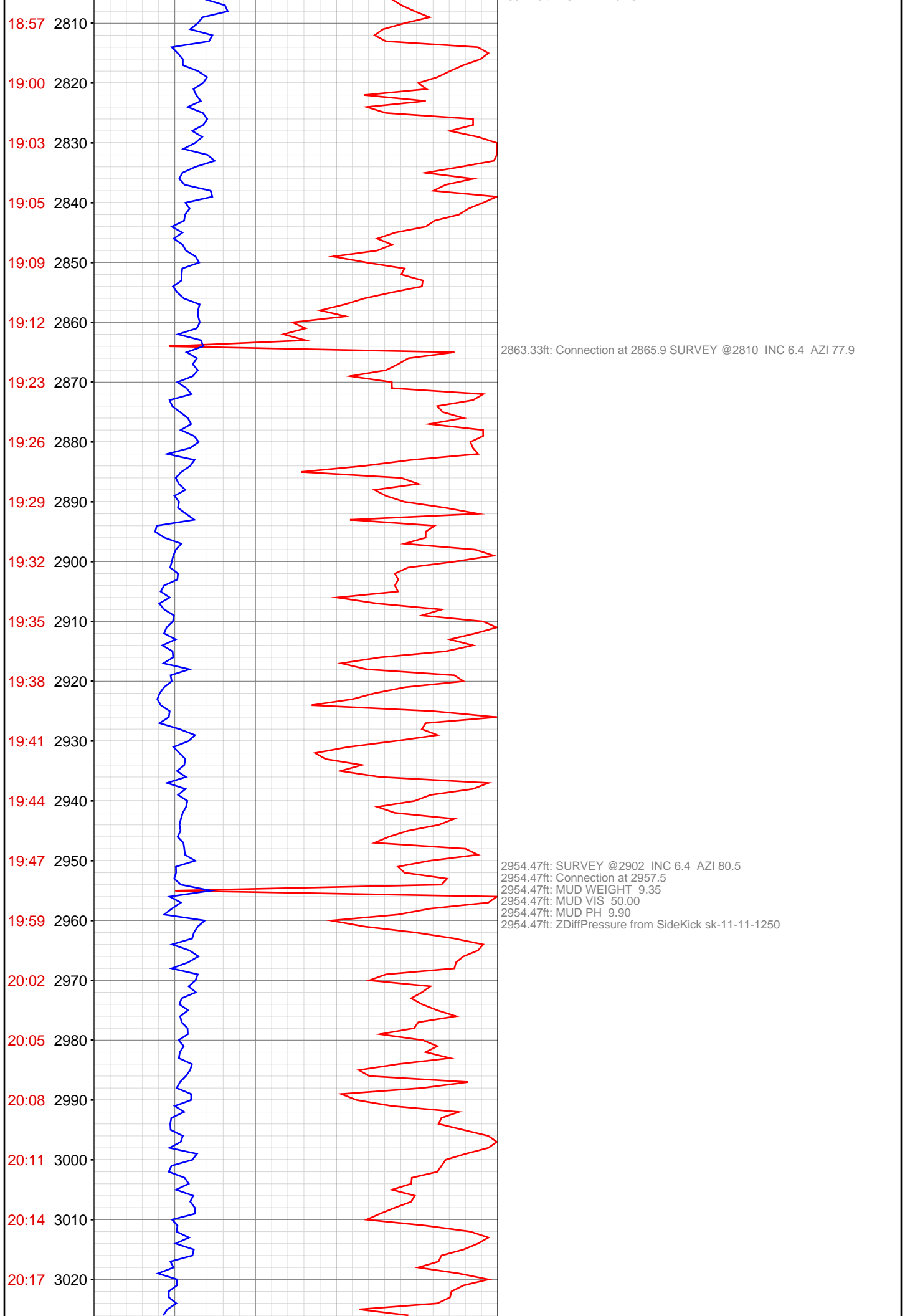
2677.27ft: SURVEY @2627 INC 6.7 AZI 78.7
2677.27ft: ZDiffPressure from SideKick sk-11-11-1250
2677.27ft: Connection at 2682.5
2677.27ft: ZWOB from SideKick sk-11-11-1250

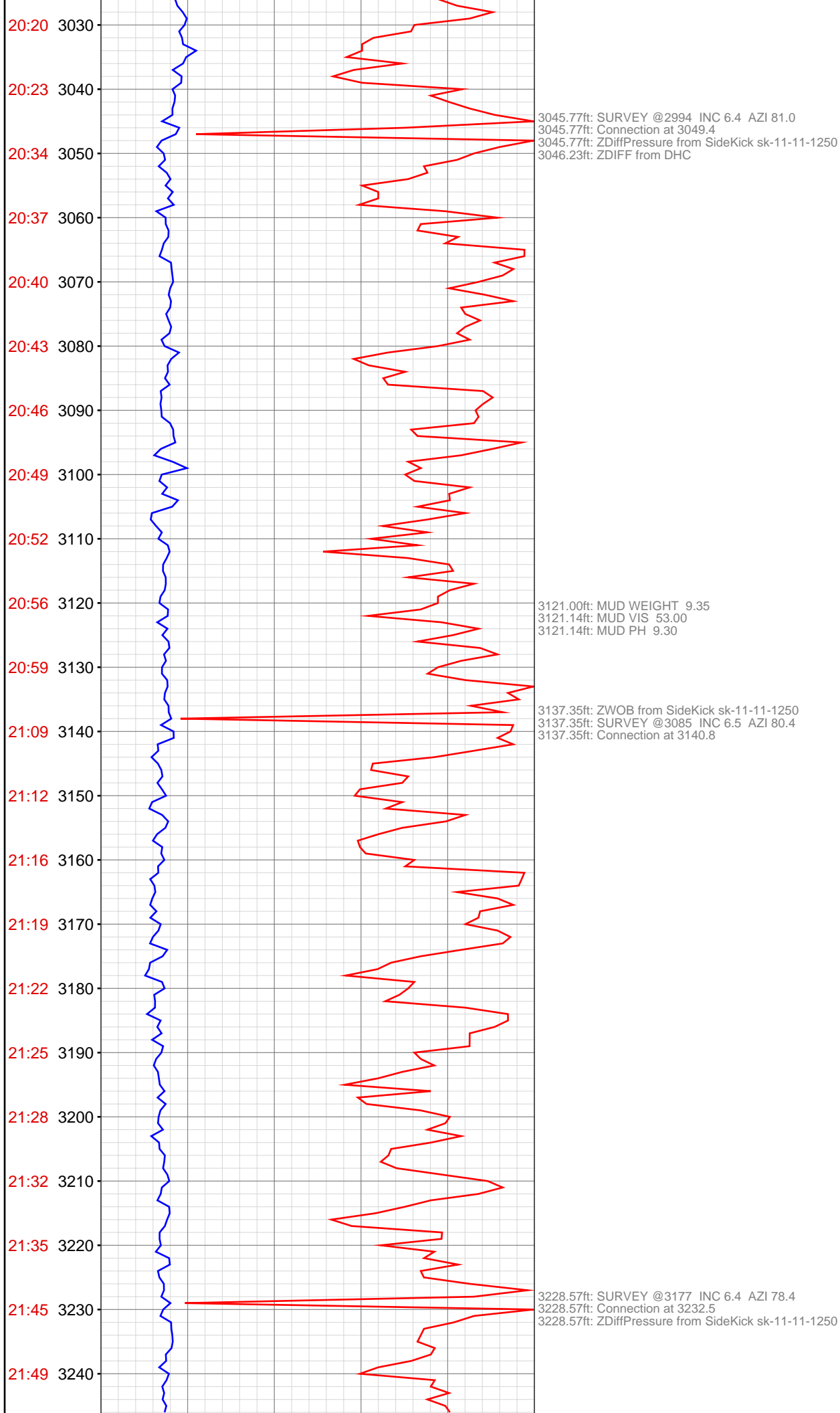
2687.00ft: MUD WEIGHT 9.30
2687.14ft: MUD VIS 51.00
2687.14ft: MUD PH 10.10

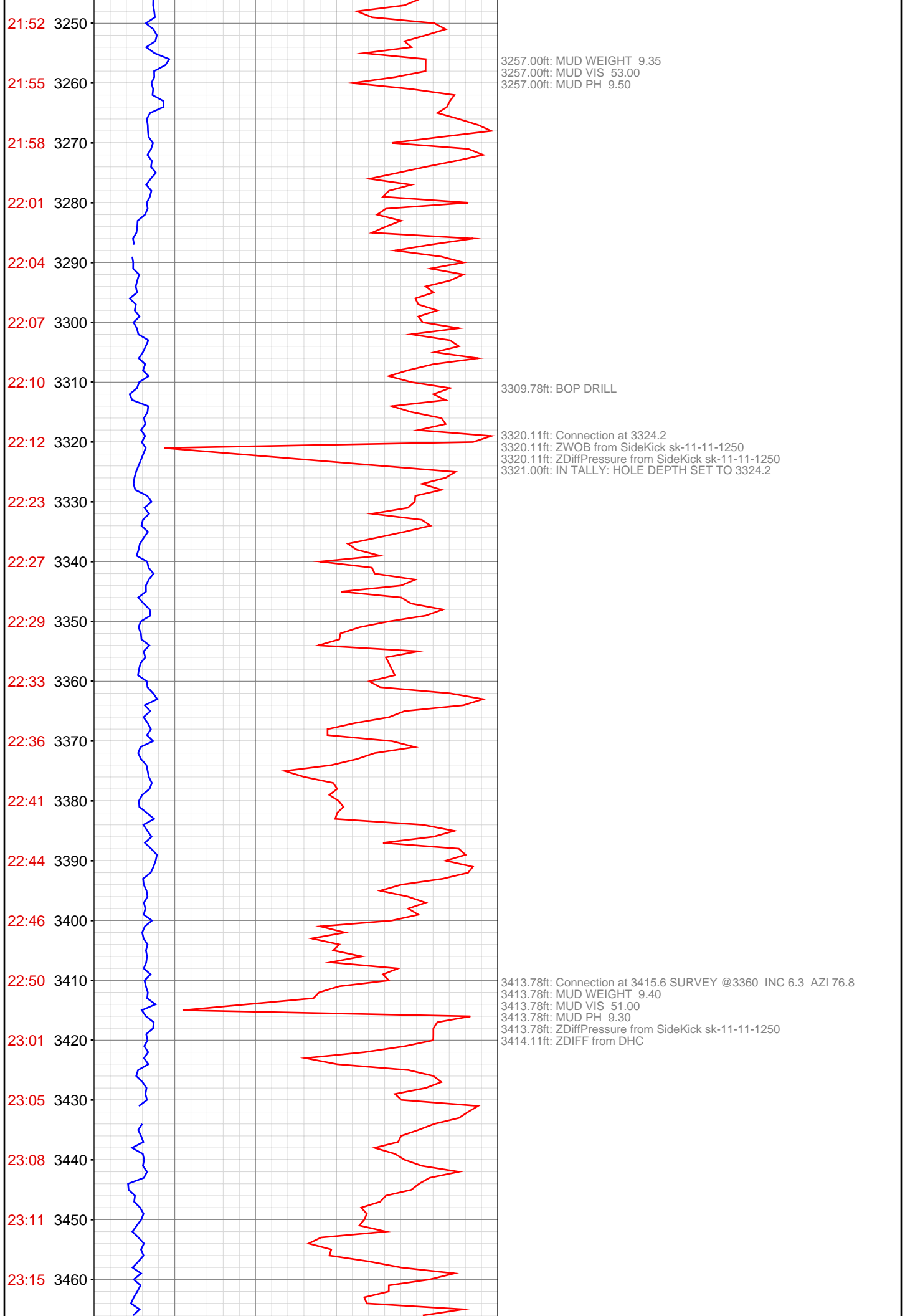
2768.69ft: SURVEY @2719 INC 6.2 AZI 80.1
2768.69ft: ZWOB from SideKick sk-11-11-1250
2768.69ft: ZDiffPressure from SideKick sk-11-11-1250
2768.91ft: Connection at 2774.3
2770.00ft: IN TALLY: HOLE DEPTH SET TO 2774.3

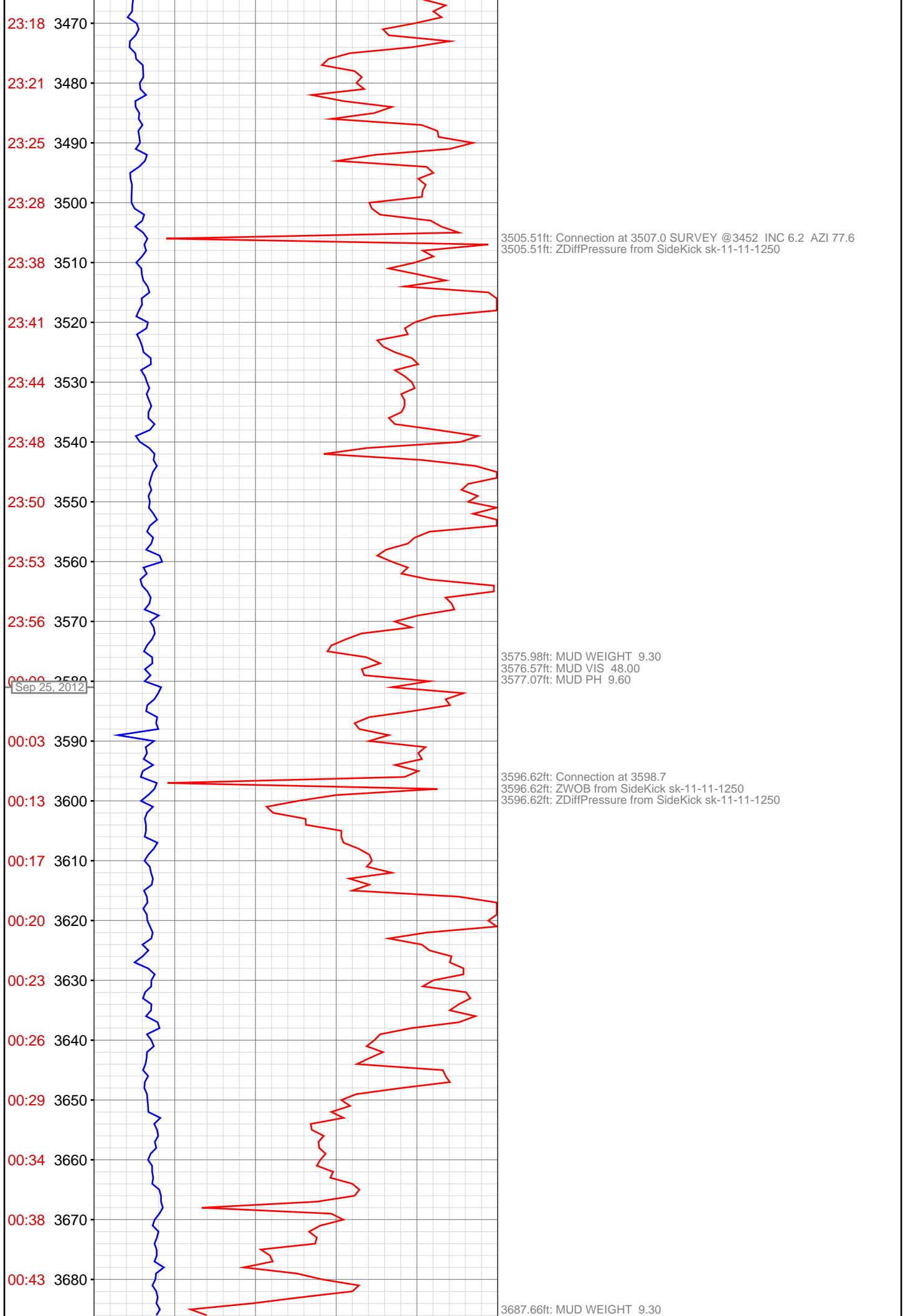
2802.06ft: MUD WEIGHT 9.35
2802.46ft: MUD VIS 50.00
2802.46ft: MUD PH 10.10

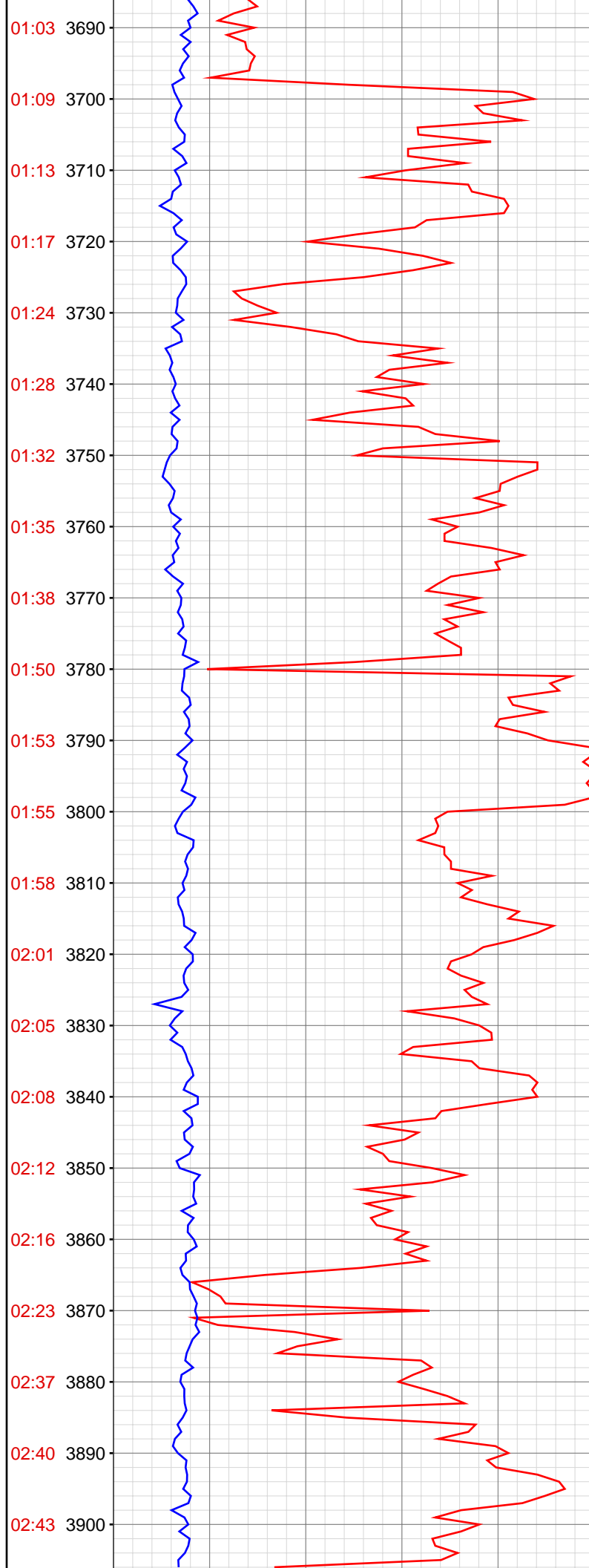










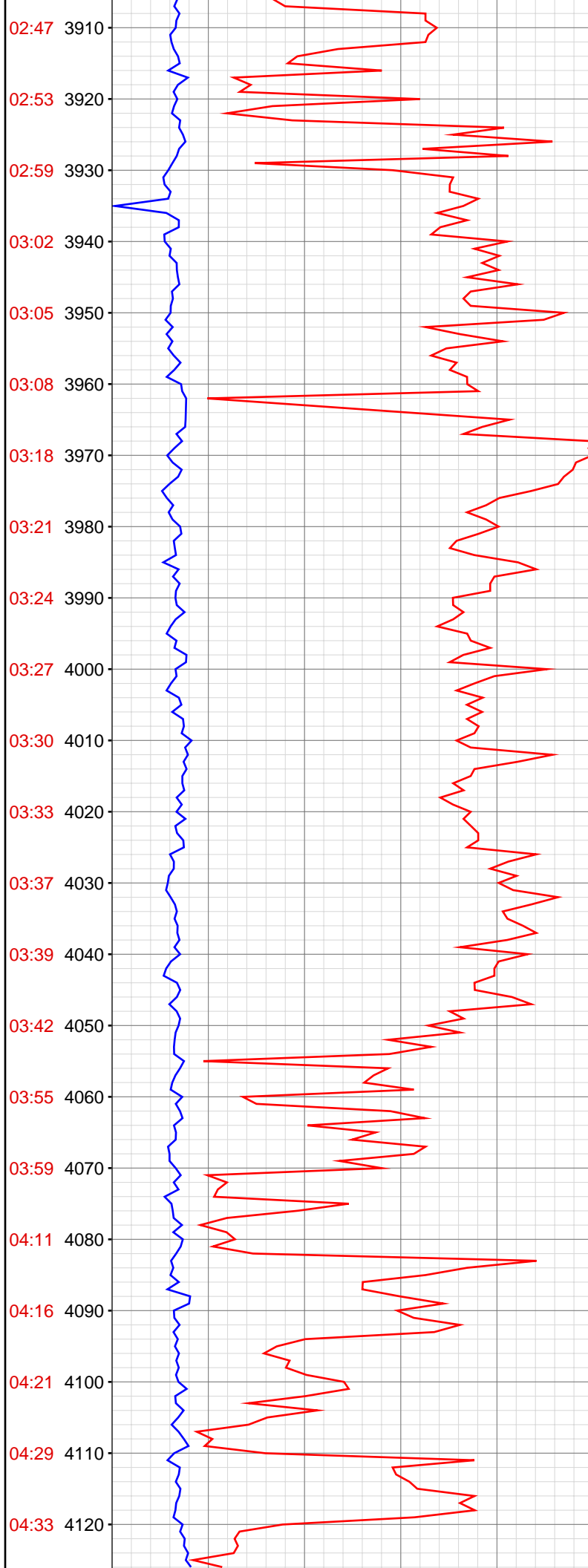


3687.66ft: MUD VIS 52.00
3687.66ft: MUD PH 9.90
3687.66ft: Connection at 3690.1
3687.66ft: ZDIFF from DHC

3779.04ft: Connection at 3781.7
3779.04ft: SURVEY @3726 INC 5.5 AZI 80.9
3779.04ft: ZDiffPressure from SideKick sk-11-11-1250
3779.04ft: ZWOB from SideKick sk-11-11-1250

3798.33ft: MUD WEIGHT 9.30
3798.33ft: MUD VIS 51.00
3798.33ft: MUD PH 9.20

3870.08ft: SURVEY @3818 INC 5.8 AZI 79.8
3870.08ft: Connection at 3873.1
3870.08ft: ZDiffPressure from SideKick sk-11-11-1250

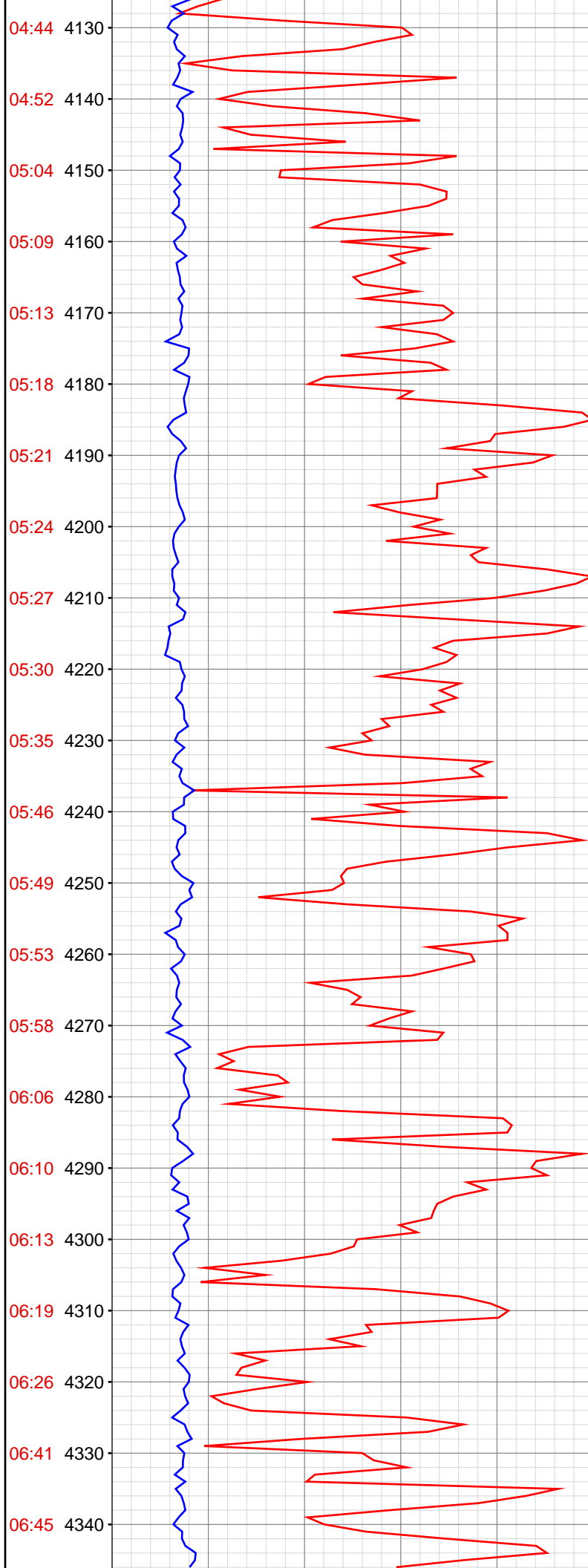


3922.87ft: MUD WEIGHT 9.30
3923.00ft: MUD VIS 53.00
3923.00ft: MUD PH 9.10

3960.99ft: ZERO ALL PUMPS from SideKick sk-11-11-1250
3961.25ft: SURVEY @3909 INC 5.8 AZI 79.6
3961.25ft: Connection at 3964.4
3961.25ft: ZDiffPressure from SideKick sk-11-11-1250
3962.60ft: IN TALLY: HOLE DEPTH SET TO 3964.4

4054.07ft: Connection at 4056.1 SURVEY @4001 INC 5.9 AZI 81.4
4054.07ft: ZDiffPressure from SideKick sk-11-11-1250
4054.07ft: ZWOB from SideKick sk-11-11-1250
4059.19ft: MUD WEIGHT 9.30
4059.19ft: MUD VIS 48.00
4059.58ft: MUD PH 9.00

4080.84ft: ZWOB from SideKick sk-11-11-1250
4080.84ft: ZDiffPressure from SideKick sk-11-11-1250
4080.84ft: ZDiffPressure from SideKick sk-11-11-1250

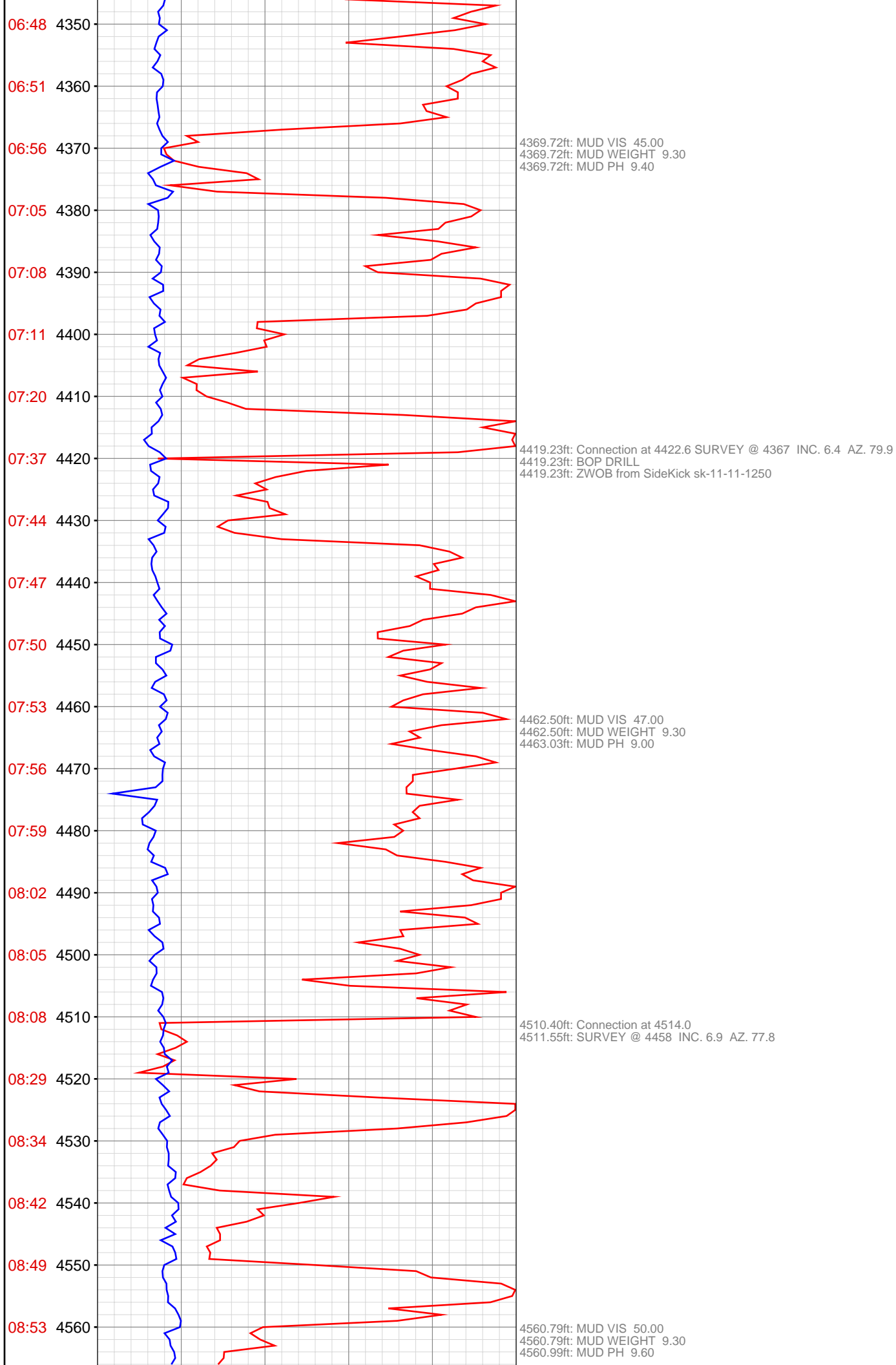


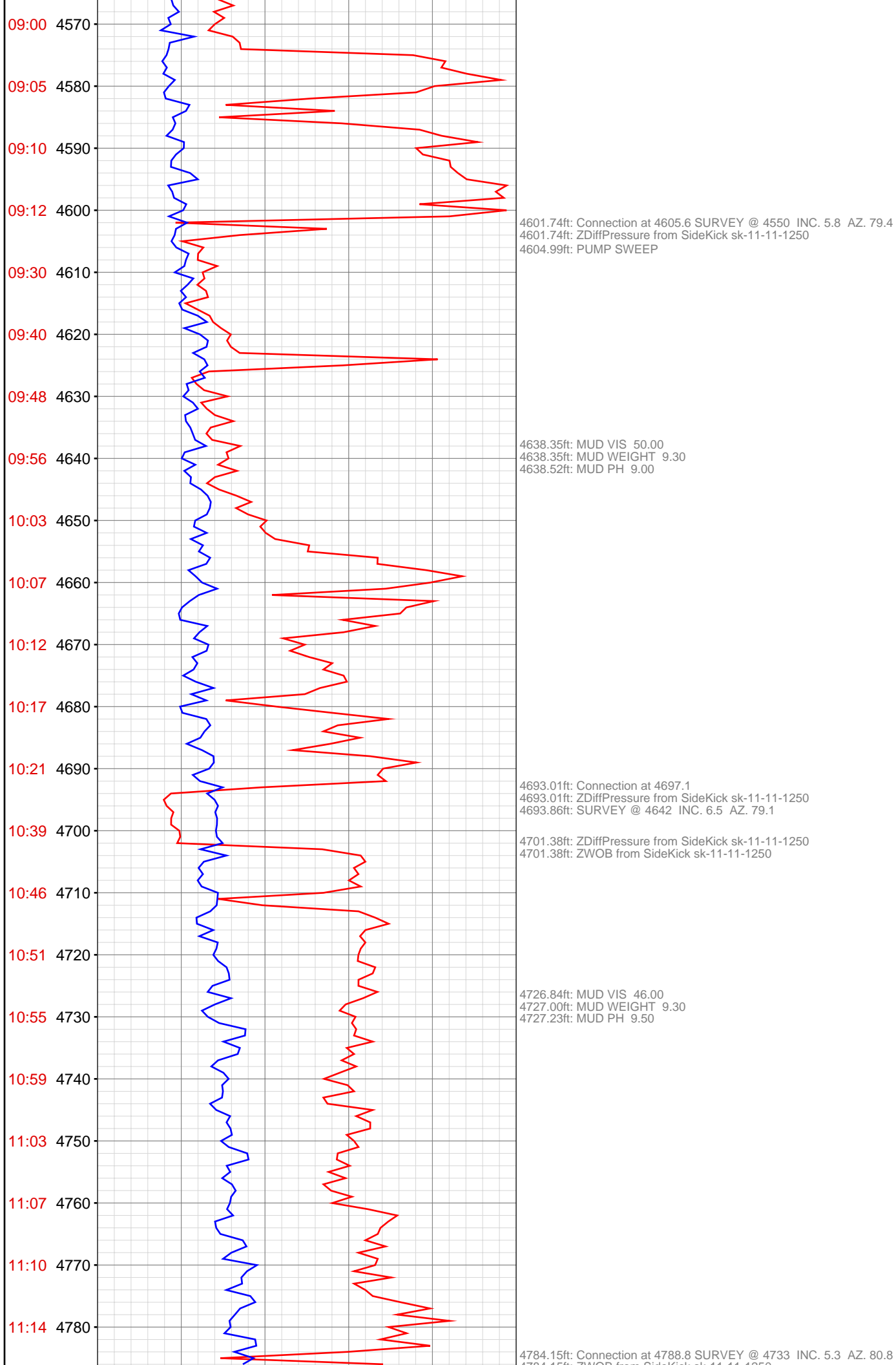
4145.47ft: MUD WEIGHT 9.35
4145.47ft: MUD VIS 49.00
4145.47ft: MUD PH 9.00
4145.47ft: ZDiffPressure from SideKick sk-11-11-1250
4145.47ft: Connection at 4147.5

4236.52ft: SURVEY @4184 INC 6.2 AZI 80.8
4236.91ft: Connection at 4239.1

4285.27ft: MUD VIS 50.00
4285.60ft: MUD WEIGHT 9.35
4285.89ft: MUD PH 9.50

4327.85ft: Connection at 4330.9
4327.85ft: SURVEY @ 4275 INC. 6.5 AZ. 76.8
4327.85ft: ZWOB from SideKick sk-11-11-1250





4784.15ft: ZWOB from SideKick sk-11-11-1250

4789.90ft: PUMP SWEEP

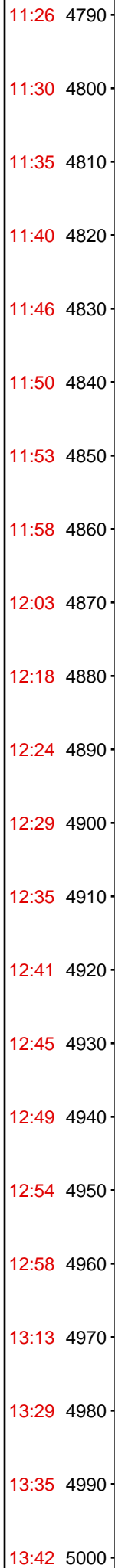
4850.00ft: MUD VIS 50.00
4850.13ft: MUD WEIGHT 9.30
4850.13ft: MUD PH 9.50

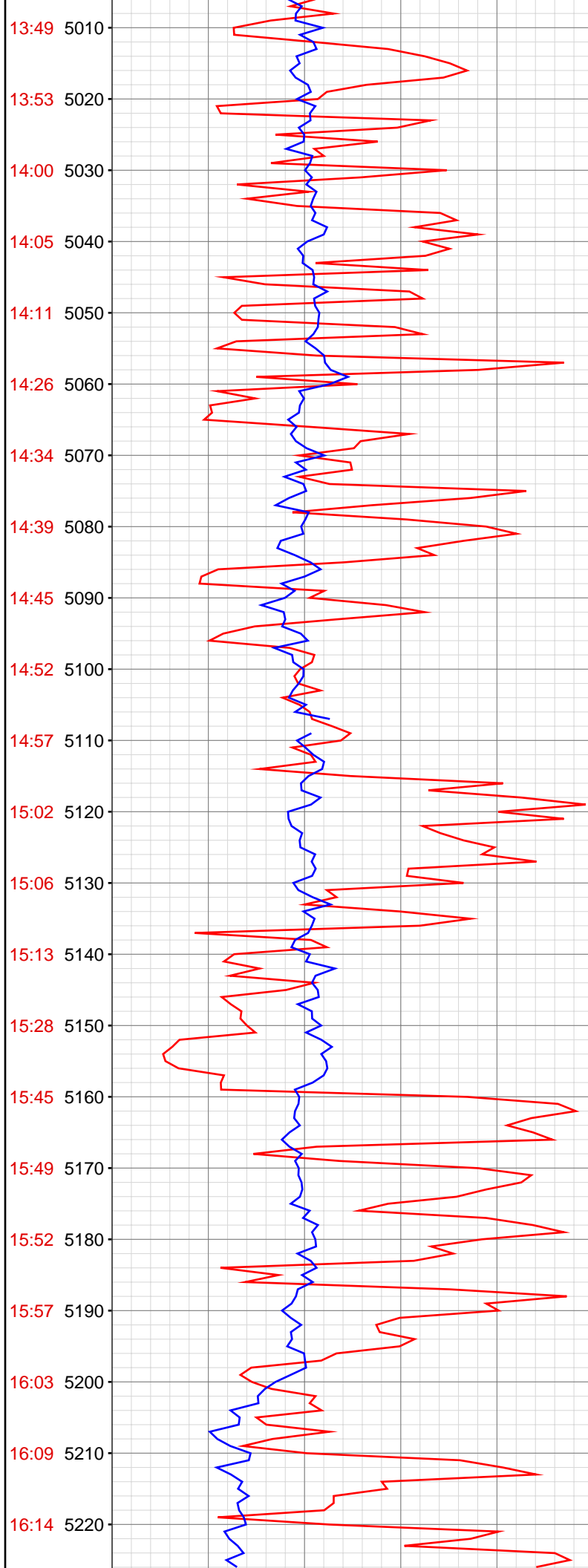
4875.72ft: Connection at 4880.2
4875.72ft: ZWOB from SideKick sk-11-11-1250
4875.72ft: SURVEY @ 4825 INC. 5.3 AZ. 81.2

4947.87ft: MUD VIS 48.00
4948.00ft: MUD WEIGHT 9.30
4948.23ft: MUD PH 9.00

4967.22ft: Connection at 4972.0
4967.55ft: SURVEY @ 4917 INC. 4.8 AZ. 75.1

4975.82ft: ZWOB from SideKick sk-11-11-1250





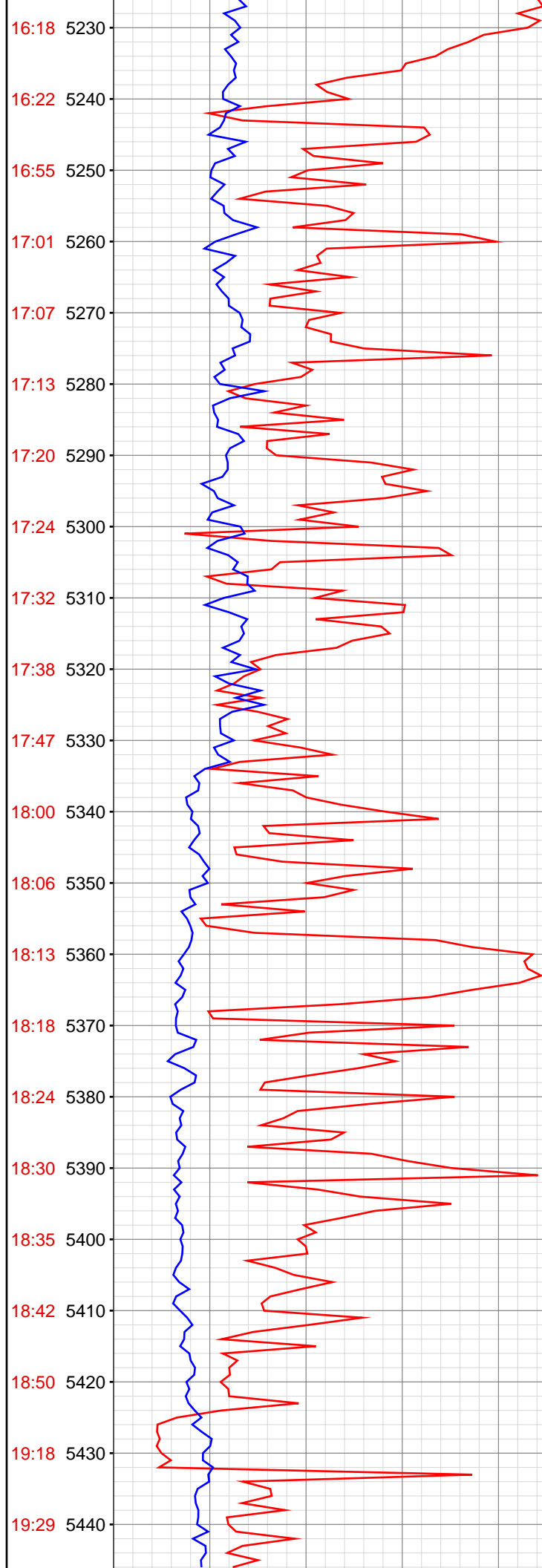
5051.05ft: MUD VIS 49.00
5051.05ft: MUD WEIGHT 9.30
5051.05ft: MUD PH 9.00

5058.79ft: Connection at 5063.4
5058.79ft: ZWOB from SideKick sk-11-11-1250
5058.79ft: ZDiffPressure from SideKick sk-11-11-1250

5069.55ft: PUMP SWEEP

5149.93ft: HGAS_009: LOCATION2 LEL Sensor disconnected, Press Mute to acknowledge
5149.93ft: HGAS_007: LOCATION1 LEL Sensor disconnected, Press Mute to acknowledge
5149.93ft: Connection at 5154.7
5151.67ft: SURVEY @ 5099 INC. 5.4 AZ. 70.3

5179.13ft: MUD VIS 0.46
5179.99ft: MUD WEIGHT 9.30
5180.12ft: MUD PH 9.80

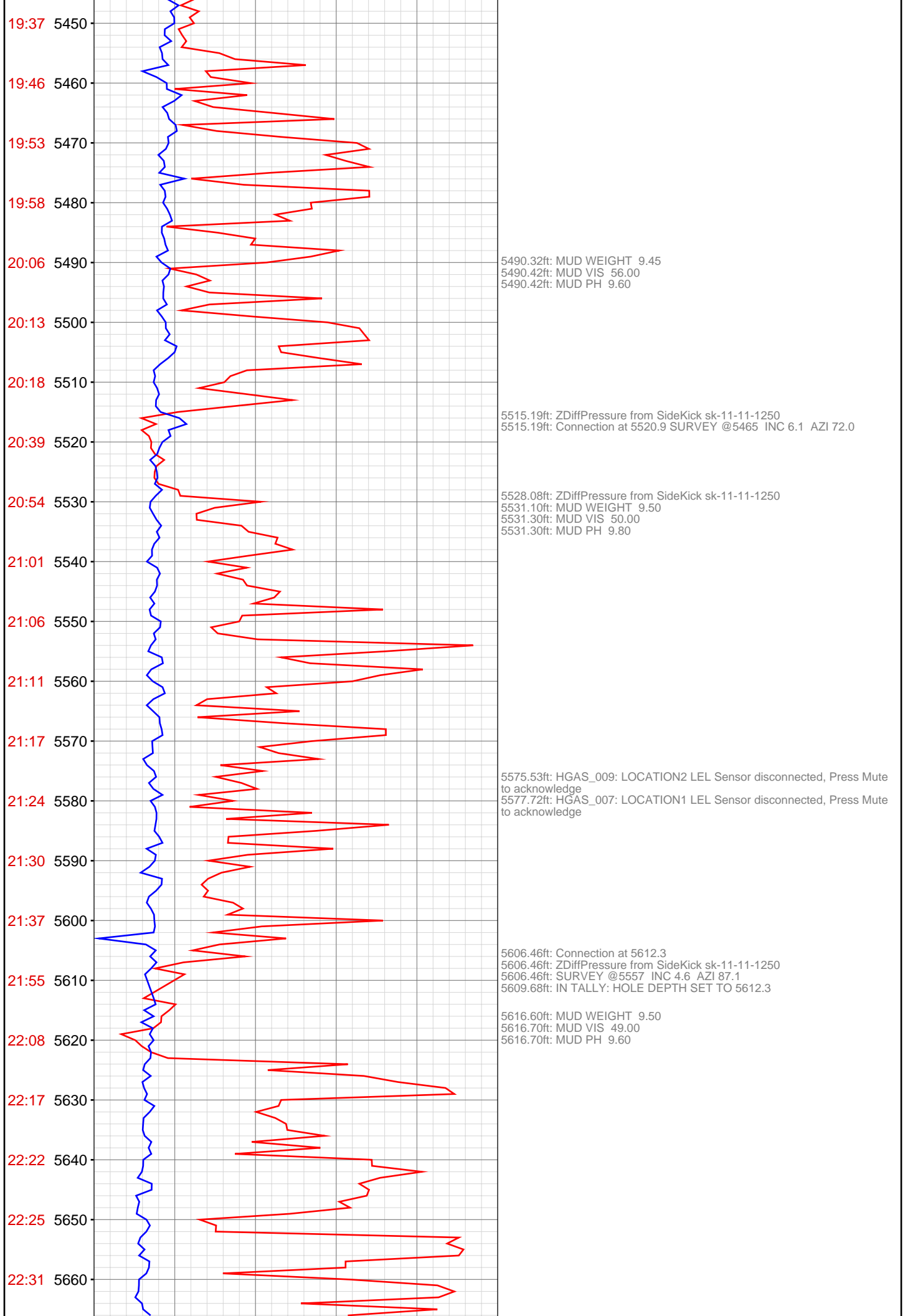


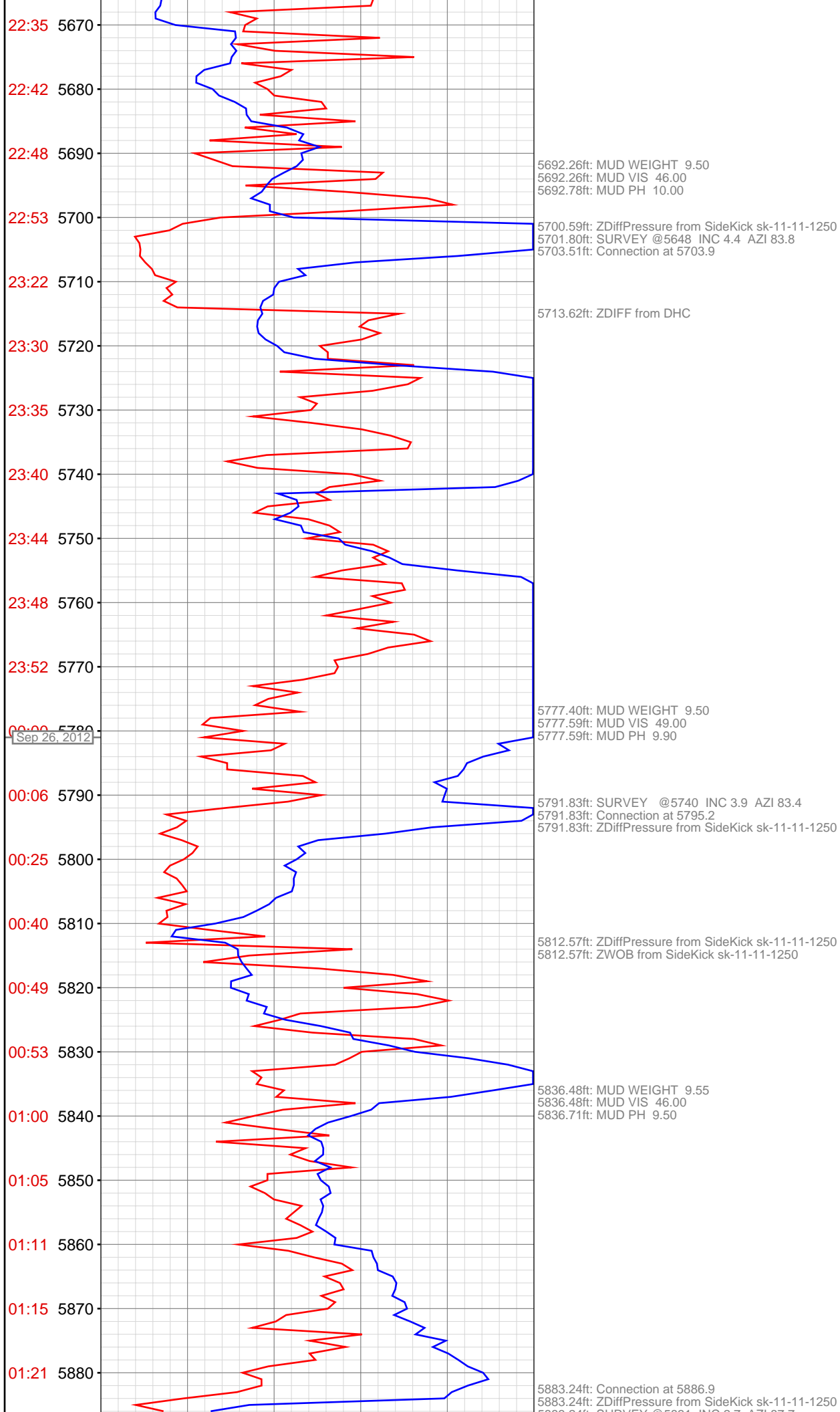
5241.04ft: RIG SERVICE
5241.04ft: Connection at 5246.3
5241.04ft: SURVEY @ 5191 INC. 6.1 AZ. 72.2
5241.04ft: ZDiffPressure from SideKick sk-11-11-1250
5241.04ft: ZWOB from SideKick sk-11-11-1250
5246.75ft: MUD VIS 50.00
5246.75ft: MUD WEIGHT 9.35
5246.75ft: MUD PH 9.80

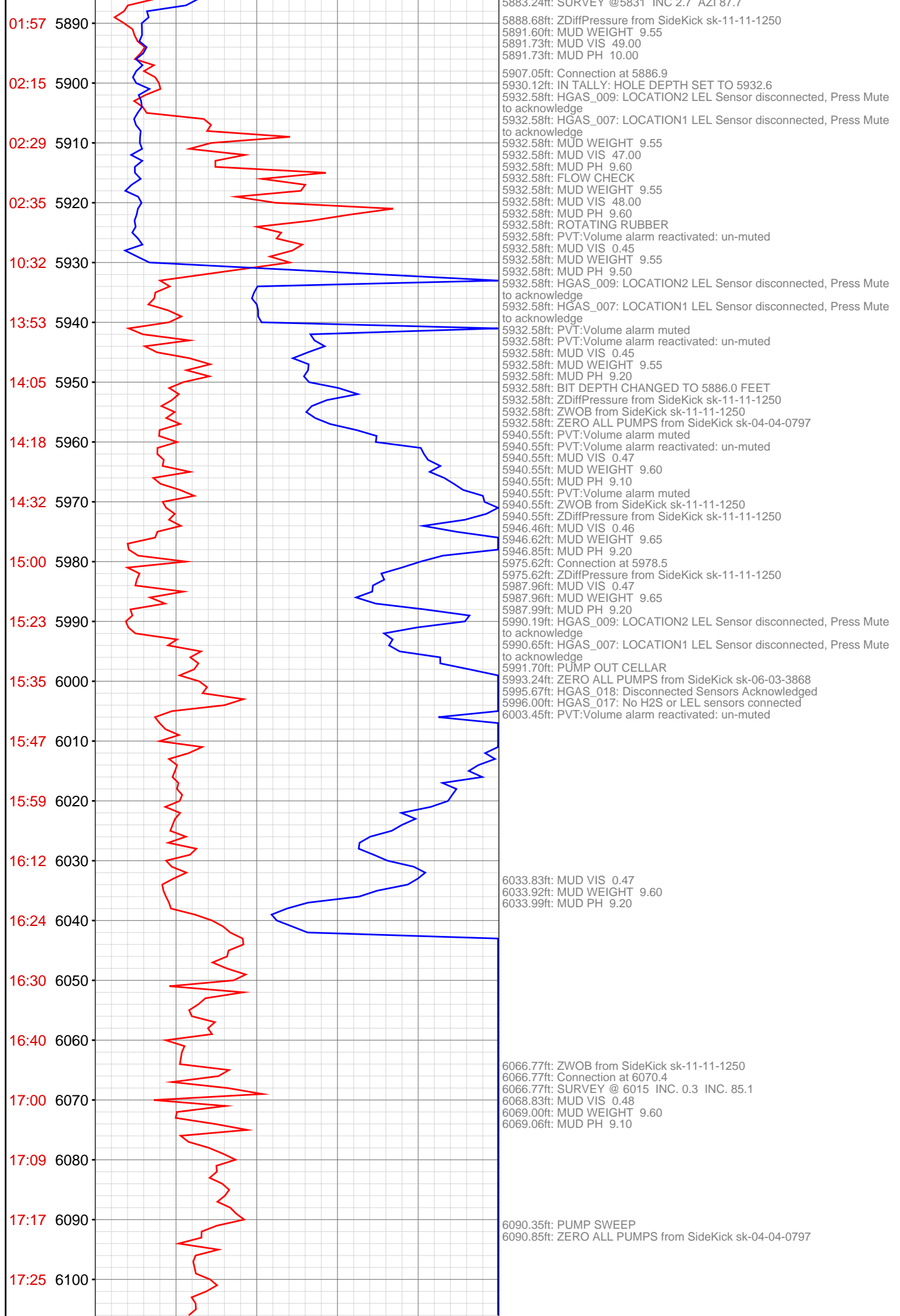
5332.74ft: Connection at 5337.5 SURVEY @5282 INC 6.6 AZI 71.6
5332.74ft: ZDiffPressure from SideKick sk-11-11-1250

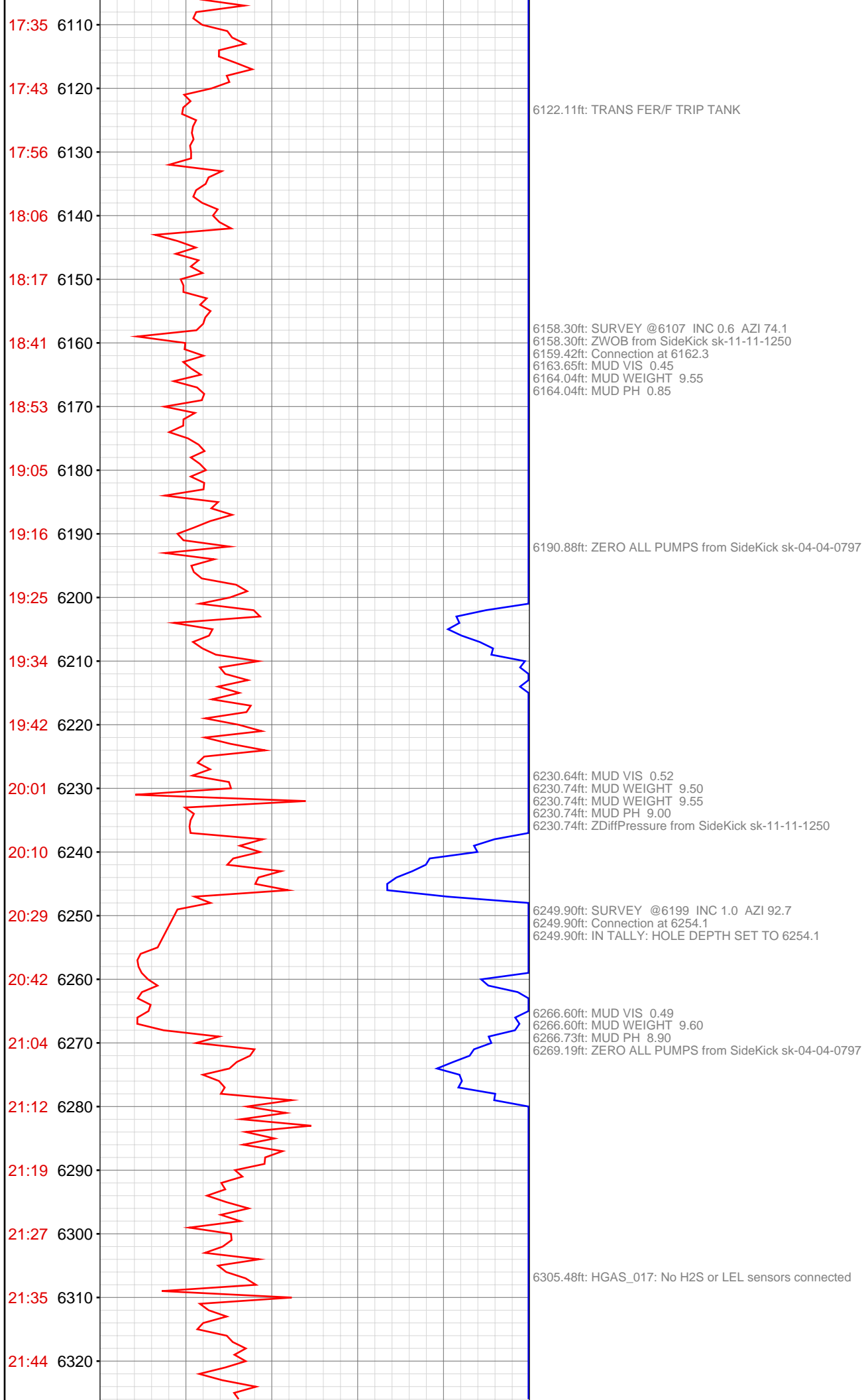
5342.09ft: MUD WEIGHT 9.40
5342.09ft: MUD VIS 53.00
5342.29ft: MUD PH 9.50

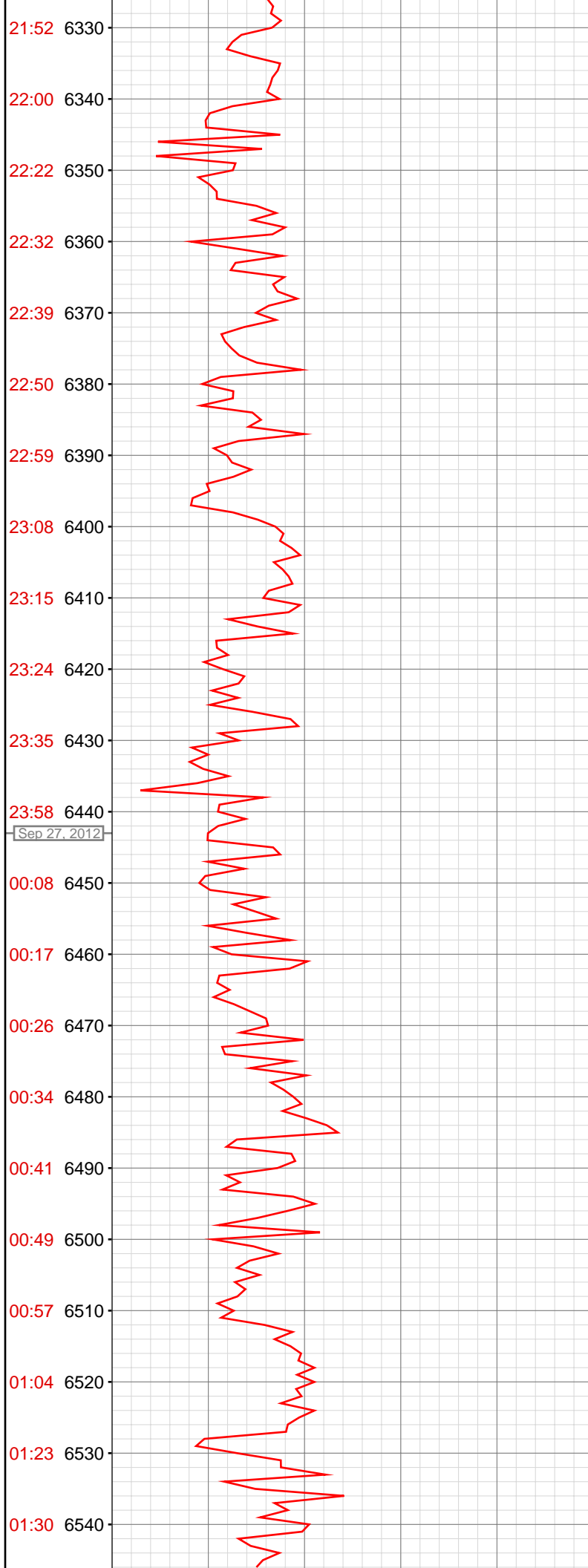
5424.31ft: MUD WEIGHT 9.40
5424.31ft: MUD VIS 48.00
5424.31ft: MUD PH 9.50
5424.31ft: ZDiffPressure from SideKick sk-11-11-1250
5424.31ft: SURVEY @5374 INC 6.7 AZI 69.9
5431.00ft: Connection at 5429.4
5431.37ft: ZDiffPressure from SideKick sk-11-11-1250
5431.37ft: ZWOB from SideKick sk-11-11-1250











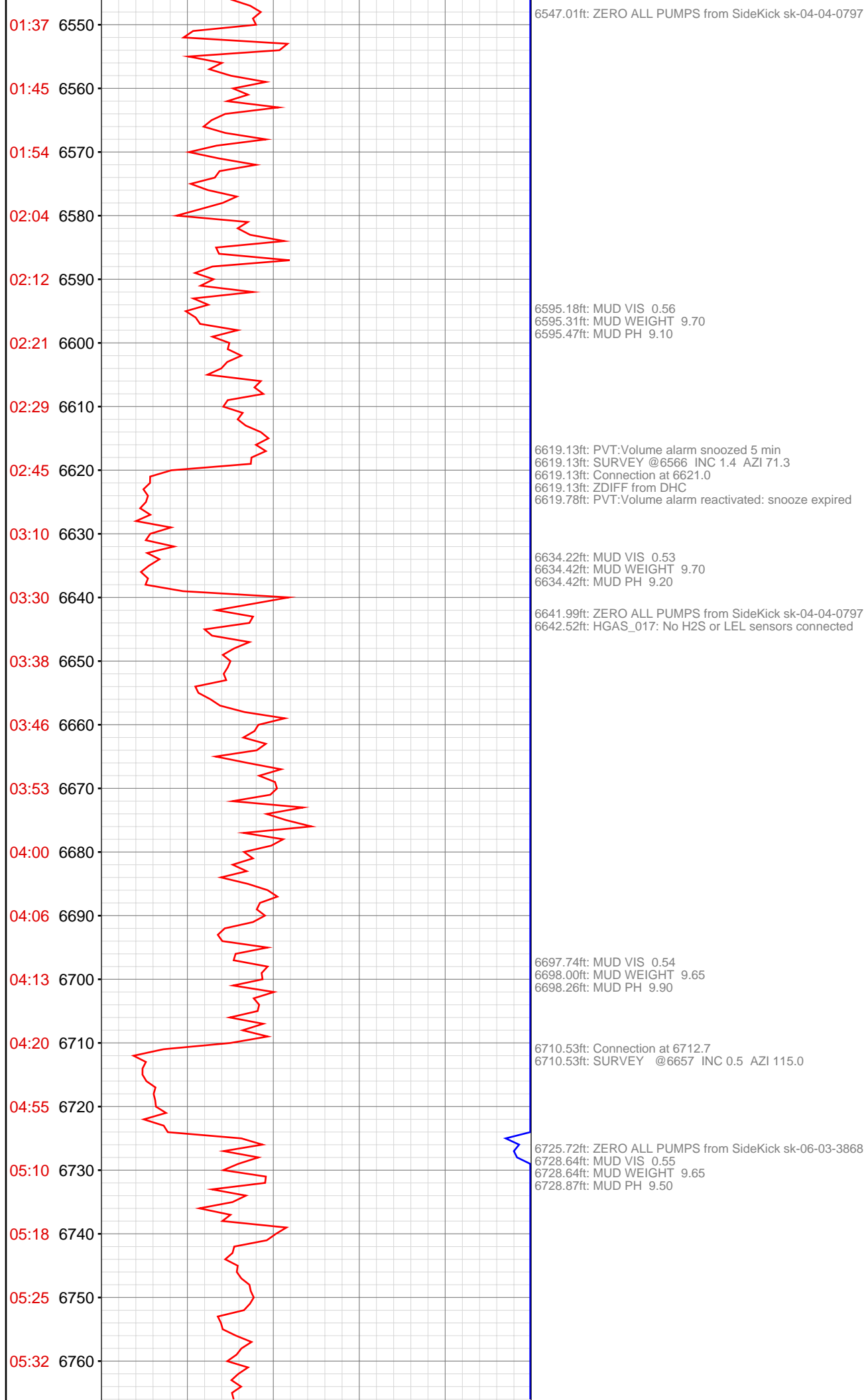
6345.47ft: SURVEY @6290 INC 0.3 AZI 40.3
6345.47ft: ZWOB from SideKick sk-11-11-1250
6345.47ft: ZDiffPressure from SideKick sk-11-11-1250
6345.51ft: Connection at 6345.9
6348.59ft: ZERO ALL PUMPS from SideKick sk-06-03-3868

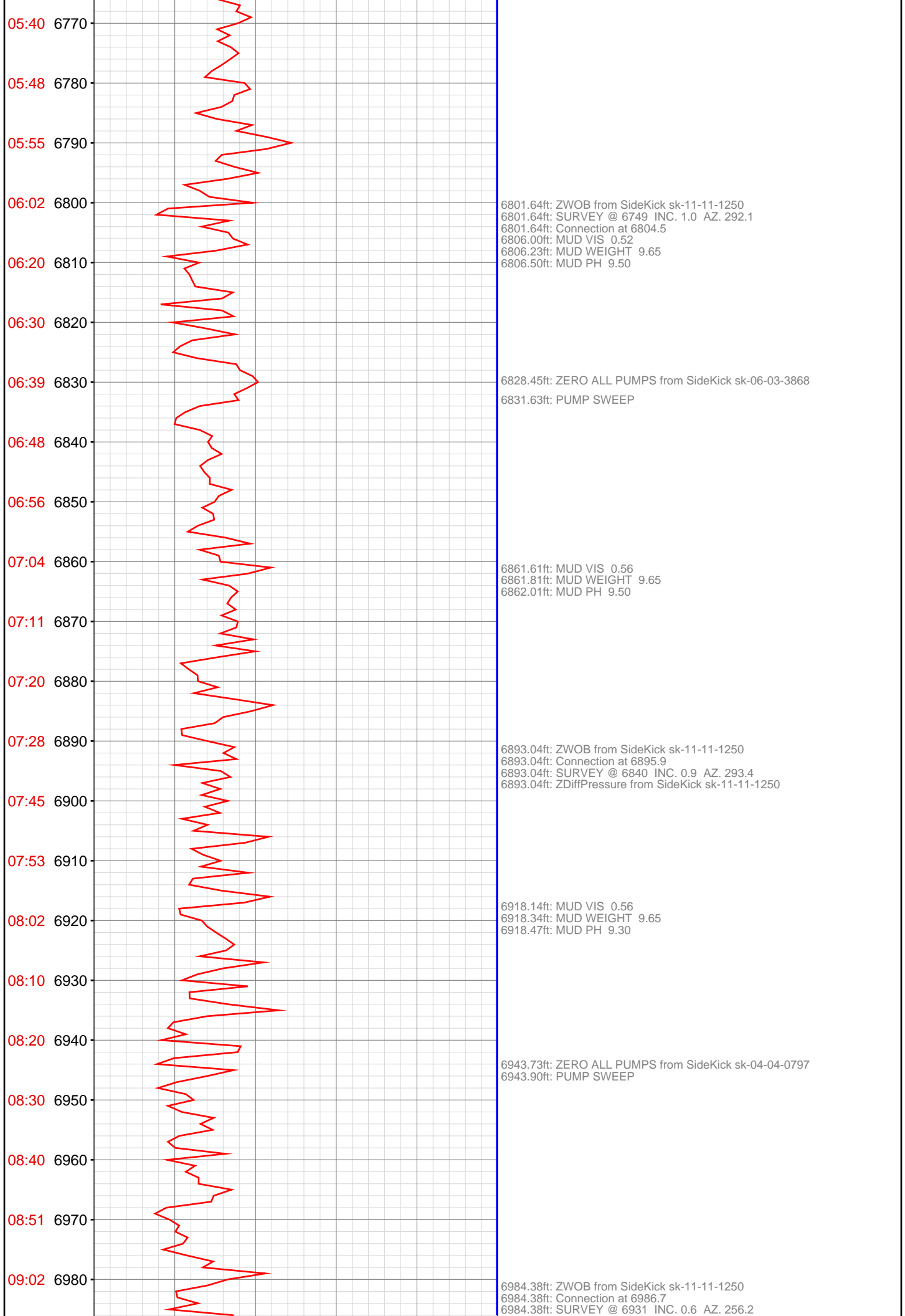
6407.68ft: MUD VIS 0.50
6408.01ft: MUD WEIGHT 9.65
6408.01ft: MUD PH 9.20

6436.58ft: SURVEY @6382 INC 0.3 AZI 39.1
6436.58ft: Connection at 6437.6
6436.58ft: ZWOB from SideKick sk-11-11-1250
6439.08ft: ZERO ALL PUMPS from SideKick sk-04-04-0797

6455.81ft: MUD VIS 0.54
6456.00ft: MUD WEIGHT 9.65
6456.00ft: MUD PH 9.20

6527.89ft: SURVEY @6474 INC 0.7 AZI 67.0
6527.89ft: Connection at 6529.2
6527.89ft: MUD VIS 0.54
6527.89ft: MUD WEIGHT 9.70
6527.89ft: MUD PH 9.10





6984.38ft: ZDiffPressure from SideKick sk-11-11-1250
6987.99ft: MUD VIS 0.53
6988.09ft: MUD WEIGHT 9.70
6988.09ft: MUD PH 9.50

7002.76ft: HGAS_017: No H2S or LEL sensors connected

7038.45ft: MUD VIS 0.57
7038.58ft: MUD WEIGHT 9.70
7038.68ft: MUD PH 9.30

7075.79ft: ZWOB from SideKick sk-11-11-1250
7075.79ft: Connection at 7078.2
7075.79ft: SURVEY @ 7023 INC. 0.0 AZ. 100.1
7075.79ft: ZDiffPressure from SideKick sk-11-11-1250

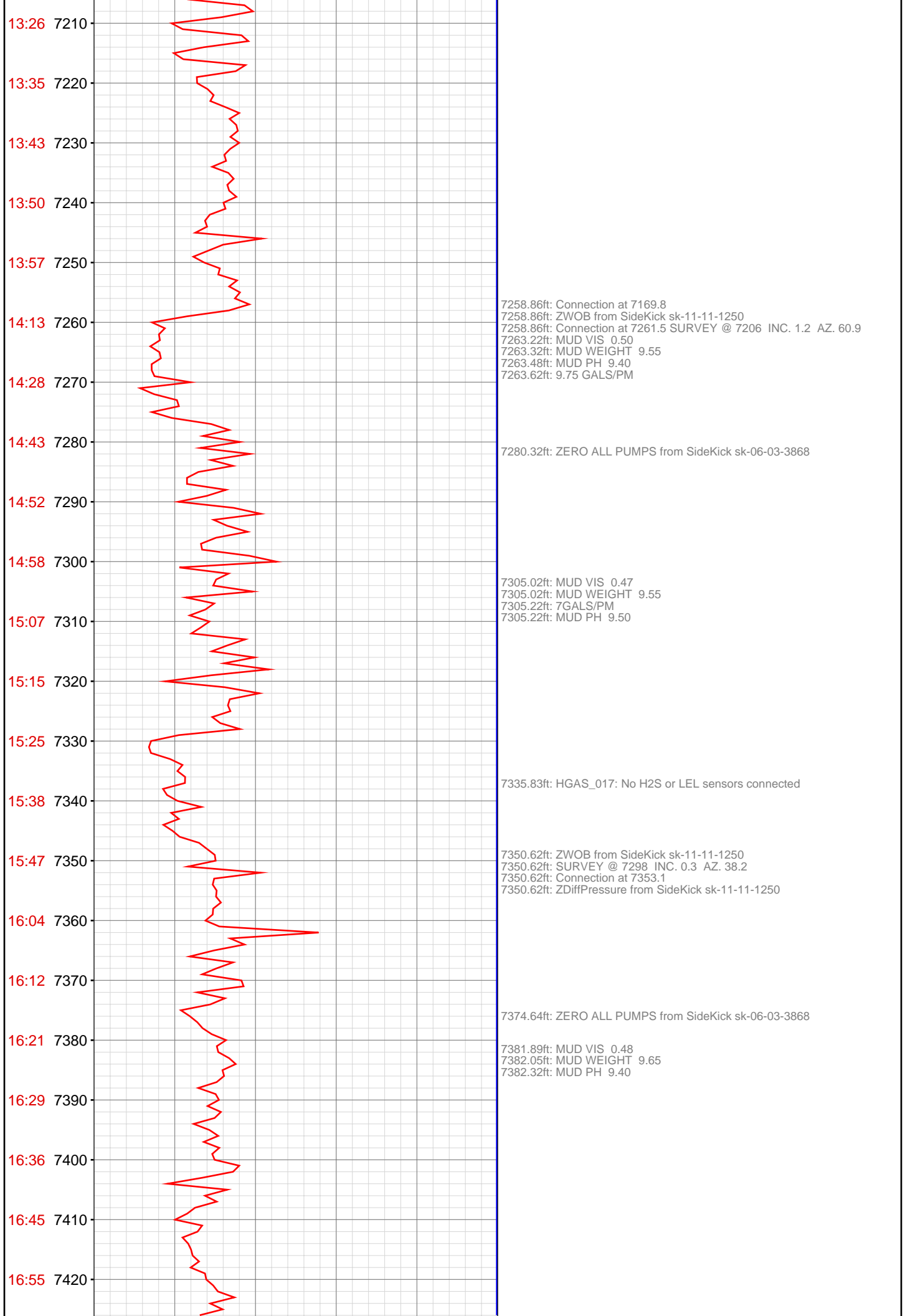
7102.53ft: ZERO ALL PUMPS from SideKick sk-06-03-3868
7103.31ft: PUMP SWEEP

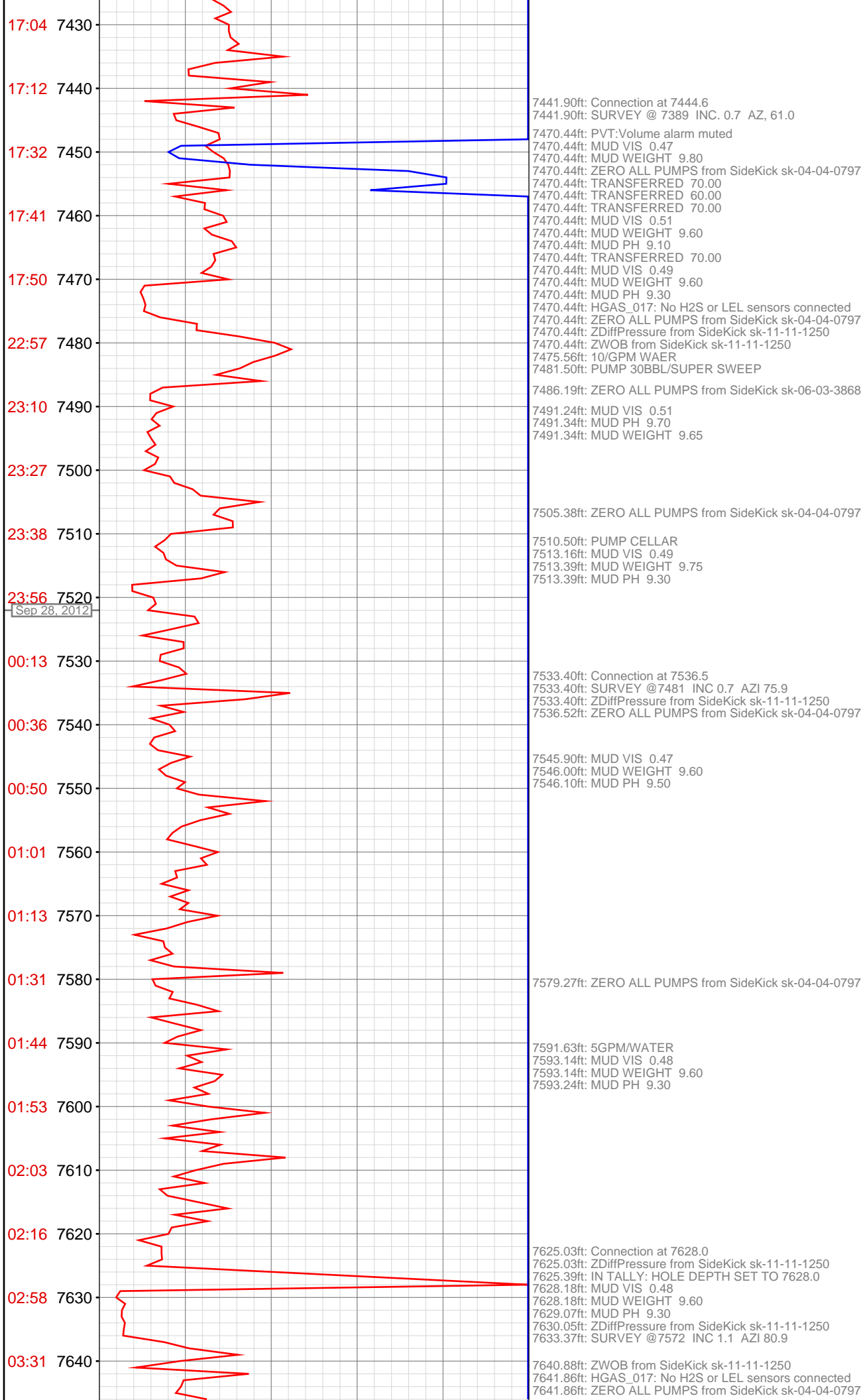
7108.99ft: MUD VIS 0.56
7108.99ft: MUD WEIGHT 9.55
7109.19ft: MUD PH 9.00
7113.32ft: 9.75 GALS PM

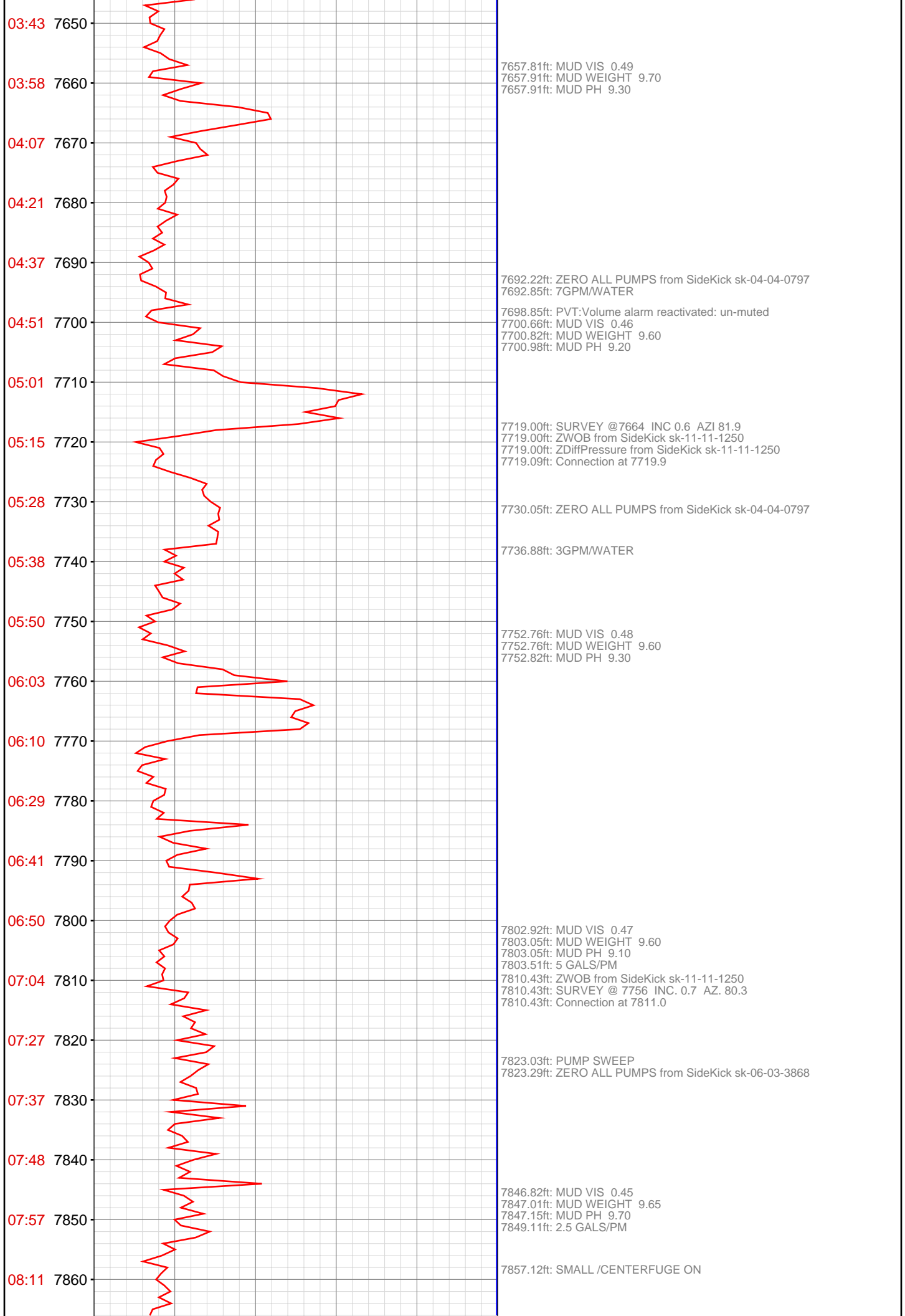
7167.36ft: RIG SERVICE
7167.36ft: PVT:Volume alarm muted
7167.36ft: SURVEY @ 7114 INC. 0.7 AZ. 50.5
7167.36ft: Connection at 7169.8
7167.36ft: ZDiffPressure from SideKick sk-11-11-1250

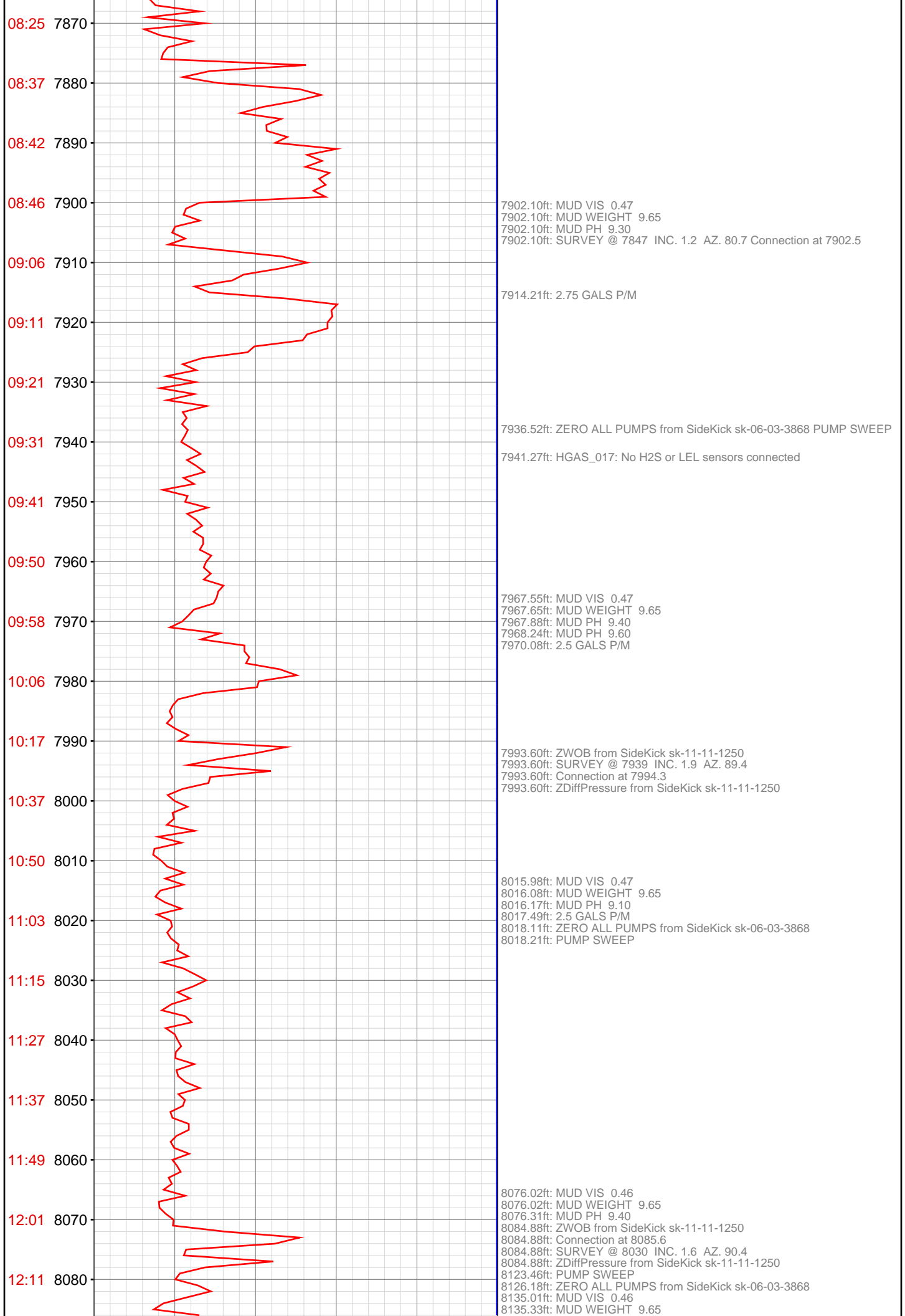
7181.23ft: MUD VIS 0.53
7181.40ft: MUD WEIGHT 9.55
7181.40ft: MUD PH 9.20

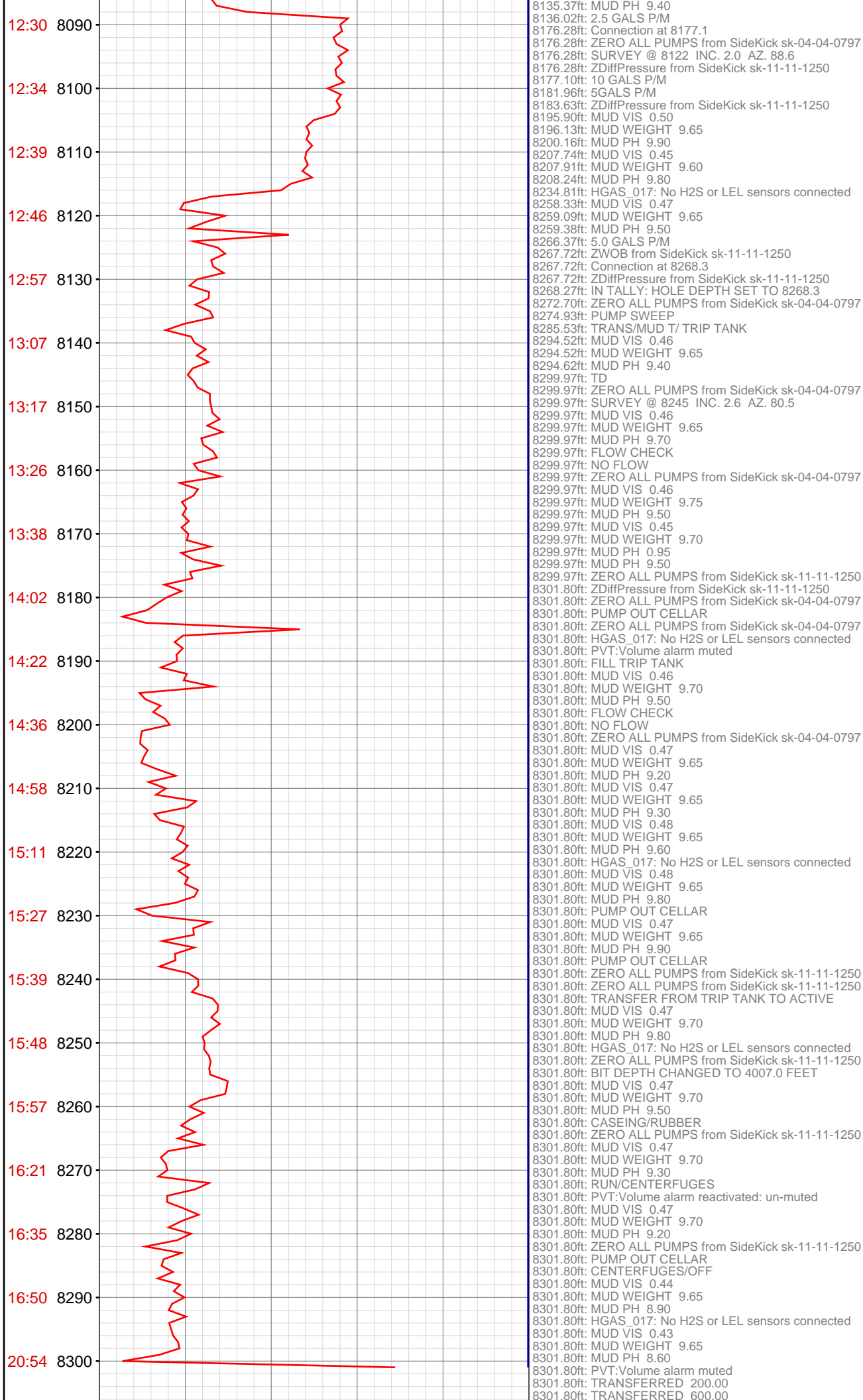
7191.67ft: PVT:Volume alarm reactivated: un-muted











8135.37ft: MUD PH 9.40
8136.02ft: 2.5 GALS P/M
8176.28ft: Connection at 8177.1
8176.28ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
8176.28ft: SURVEY @ 8122 INC. 2.0 AZ. 88.6
8176.28ft: ZDiffPressure from SideKick sk-11-11-1250
8177.10ft: 10 GALS P/M
8181.96ft: 5GALS P/M
8183.63ft: ZDiffPressure from SideKick sk-11-11-1250
8195.90ft: MUD VIS 0.50
8196.13ft: MUD WEIGHT 9.65
8200.16ft: MUD PH 9.90
8207.74ft: MUD VIS 0.45
8207.91ft: MUD WEIGHT 9.60
8208.24ft: MUD PH 9.80
8234.81ft: HGAS_017: No H2S or LEL sensors connected
8258.33ft: MUD VIS 0.47
8259.09ft: MUD WEIGHT 9.65
8259.38ft: MUD PH 9.50
8266.37ft: 5.0 GALS P/M
8267.72ft: ZWOB from SideKick sk-11-11-1250
8267.72ft: Connection at 8268.3
8267.72ft: ZDiffPressure from SideKick sk-11-11-1250
8268.27ft: IN TALLY: HOLE DEPTH SET TO 8268.3
8272.70ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
8274.93ft: PUMP SWEEP
8285.53ft: TRANS/MUD T/ TRIP TANK
8294.52ft: MUD VIS 0.46
8294.52ft: MUD WEIGHT 9.65
8294.62ft: MUD PH 9.40
8299.97ft: TD
8299.97ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
8299.97ft: SURVEY @ 8245 INC. 2.6 AZ. 80.5
8299.97ft: MUD VIS 0.46
8299.97ft: MUD WEIGHT 9.65
8299.97ft: MUD PH 9.70
8299.97ft: FLOW CHECK
8299.97ft: NO FLOW
8299.97ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
8299.97ft: MUD VIS 0.46
8299.97ft: MUD WEIGHT 9.75
8299.97ft: MUD PH 9.50
8299.97ft: MUD VIS 0.45
8299.97ft: MUD WEIGHT 9.70
8299.97ft: MUD PH 0.95
8299.97ft: MUD PH 9.50
8299.97ft: ZERO ALL PUMPS from SideKick sk-11-11-1250
8301.80ft: ZDiffPressure from SideKick sk-11-11-1250
8301.80ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
8301.80ft: PUMP OUT CELLAR
8301.80ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
8301.80ft: HGAS_017: No H2S or LEL sensors connected
8301.80ft: PVT:Volume alarm muted
8301.80ft: FILL TRIP TANK
8301.80ft: MUD VIS 0.46
8301.80ft: MUD WEIGHT 9.70
8301.80ft: MUD PH 9.50
8301.80ft: FLOW CHECK
8301.80ft: NO FLOW
8301.80ft: ZERO ALL PUMPS from SideKick sk-04-04-0797
8301.80ft: MUD VIS 0.47
8301.80ft: MUD WEIGHT 9.65
8301.80ft: MUD PH 9.20
8301.80ft: MUD VIS 0.47
8301.80ft: MUD WEIGHT 9.65
8301.80ft: MUD PH 9.30
8301.80ft: MUD VIS 0.48
8301.80ft: MUD WEIGHT 9.65
8301.80ft: MUD PH 9.60
8301.80ft: HGAS_017: No H2S or LEL sensors connected
8301.80ft: MUD VIS 0.48
8301.80ft: MUD WEIGHT 9.65
8301.80ft: MUD PH 9.80
8301.80ft: PUMP OUT CELLAR
8301.80ft: MUD VIS 0.47
8301.80ft: MUD WEIGHT 9.65
8301.80ft: MUD PH 9.90
8301.80ft: PUMP OUT CELLAR
8301.80ft: ZERO ALL PUMPS from SideKick sk-11-11-1250
8301.80ft: ZERO ALL PUMPS from SideKick sk-11-11-1250
8301.80ft: TRANSFER FROM TRIP TANK TO ACTIVE
8301.80ft: MUD VIS 0.47
8301.80ft: MUD WEIGHT 9.70
8301.80ft: MUD PH 9.80
8301.80ft: HGAS_017: No H2S or LEL sensors connected
8301.80ft: ZERO ALL PUMPS from SideKick sk-11-11-1250
8301.80ft: BIT DEPTH CHANGED TO 4007.0 FEET
8301.80ft: MUD VIS 0.47
8301.80ft: MUD WEIGHT 9.70
8301.80ft: MUD PH 9.50
8301.80ft: CASEING/RUBBER
8301.80ft: ZERO ALL PUMPS from SideKick sk-11-11-1250
8301.80ft: MUD VIS 0.47
8301.80ft: MUD WEIGHT 9.70
8301.80ft: MUD PH 9.30
8301.80ft: RUN/CENTERFUGES
8301.80ft: PVT:Volume alarm reactivated: un-muted
8301.80ft: MUD VIS 0.47
8301.80ft: MUD WEIGHT 9.70
8301.80ft: MUD PH 9.20
8301.80ft: ZERO ALL PUMPS from SideKick sk-11-11-1250
8301.80ft: PUMP OUT CELLAR
8301.80ft: CENTERFUGES/OFF
8301.80ft: MUD VIS 0.44
8301.80ft: MUD WEIGHT 9.65
8301.80ft: MUD PH 8.90
8301.80ft: HGAS_017: No H2S or LEL sensors connected
8301.80ft: MUD VIS 0.43
8301.80ft: MUD WEIGHT 9.65
8301.80ft: MUD PH 8.60
8301.80ft: PVT:Volume alarm muted
8301.80ft: TRANSFERRED 200.00
8301.80ft: TRANSFERRED 600.00

[illegible]