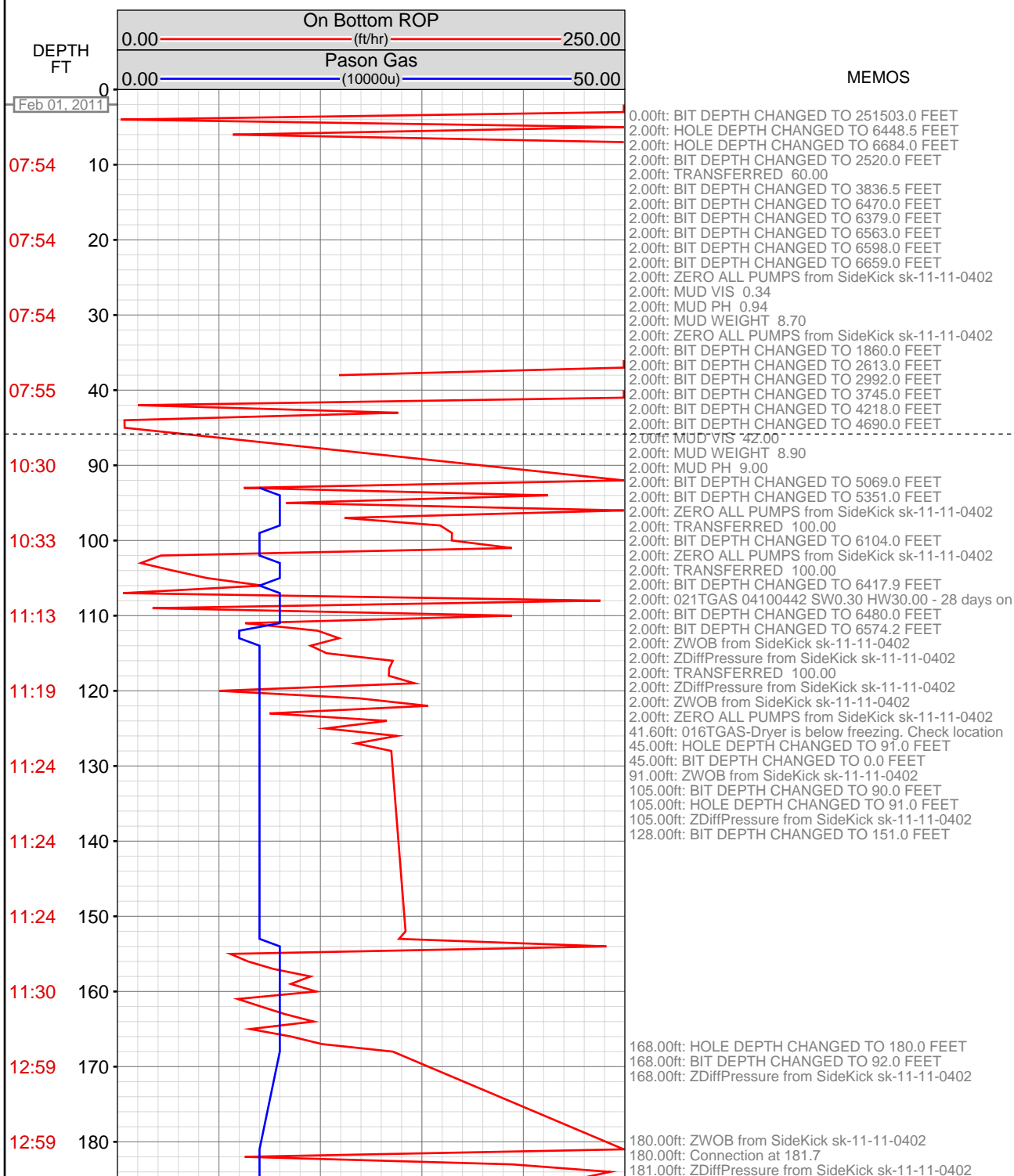


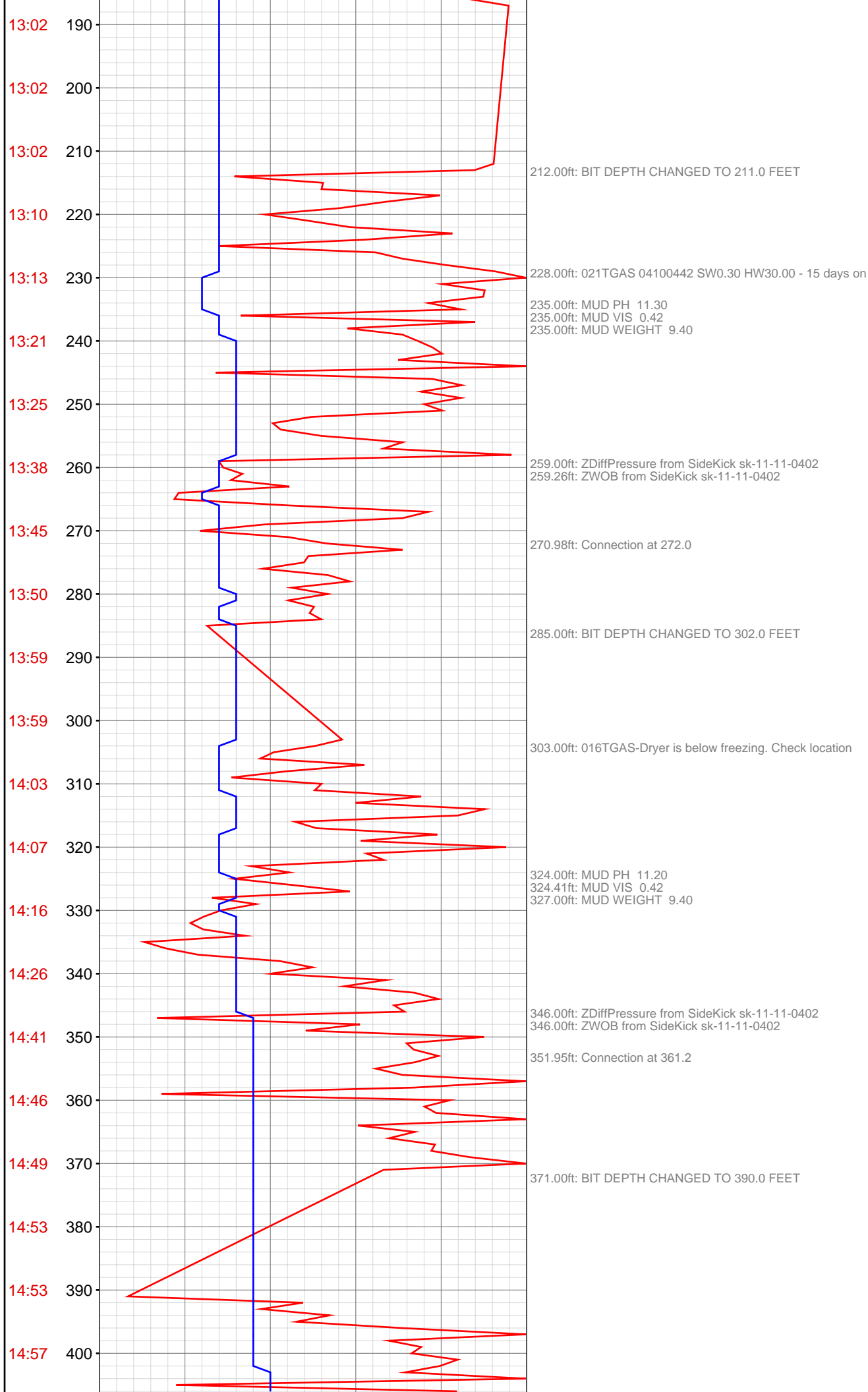
DataHub EDR Log

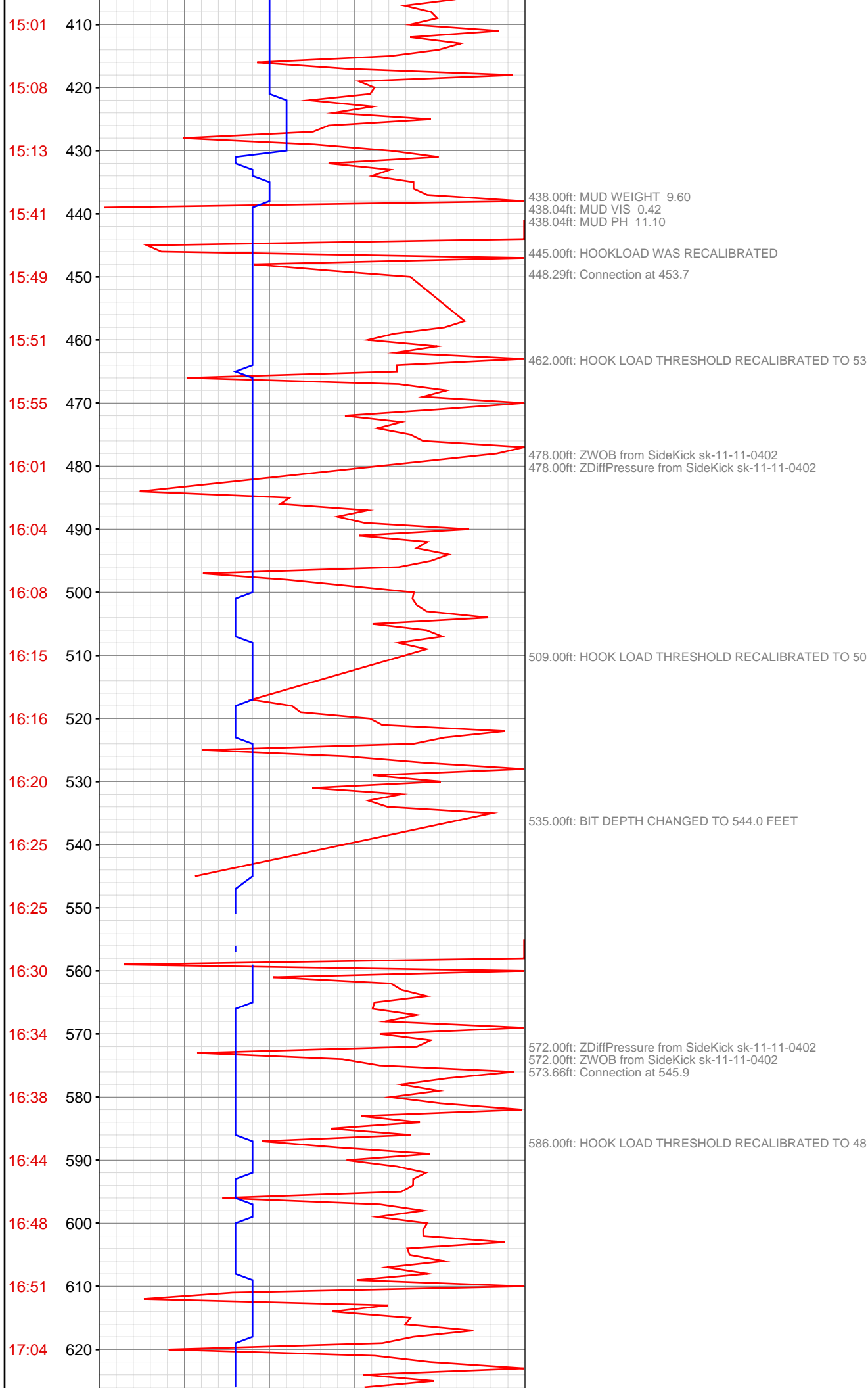
Thu Feb 24, 2011 13:13:22
Well Dossier 1296557687
Greg Veregin

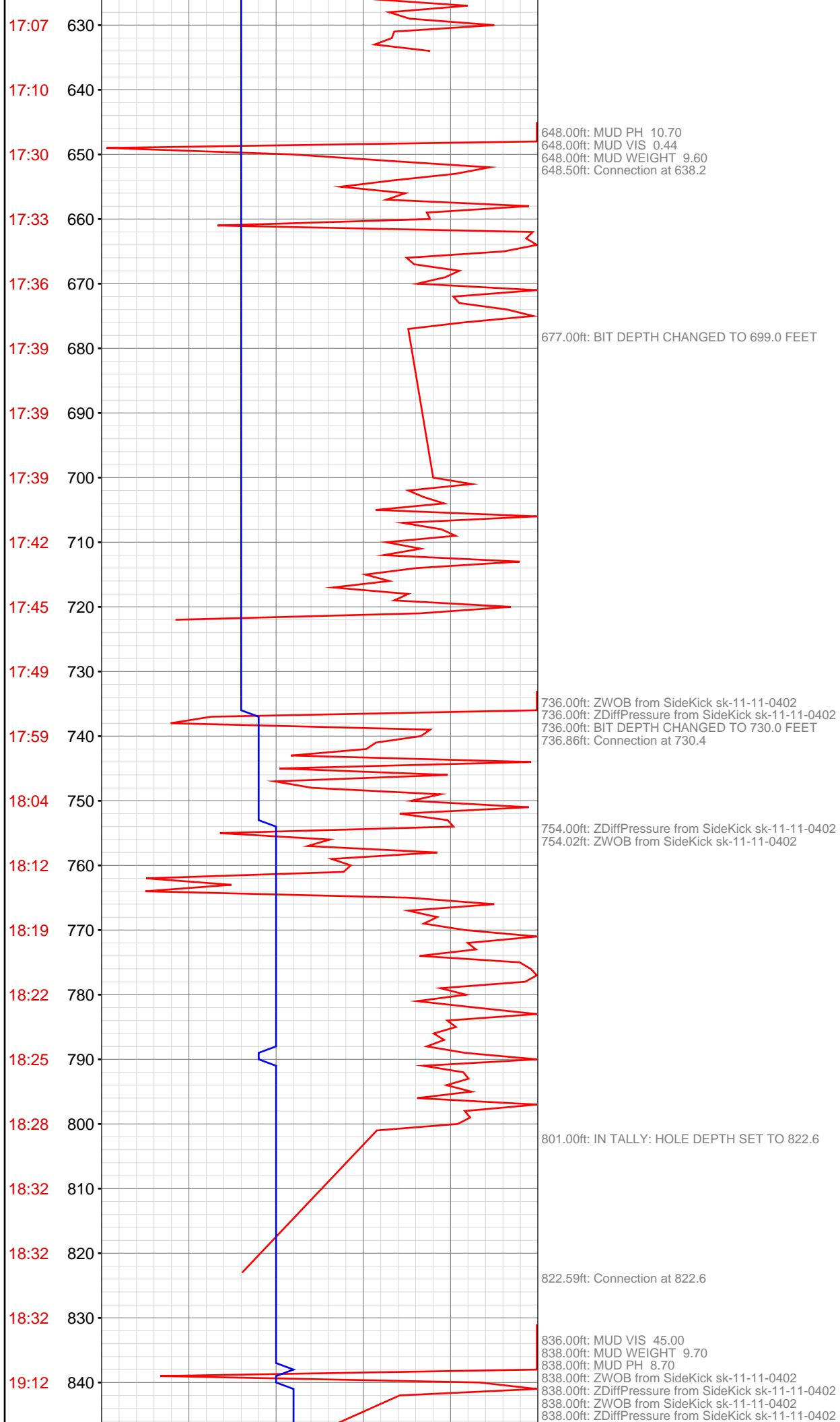
OPERATOR: EnCana Oil & Gas (USA), Inc.
WELL: GMR 8-5C1
FIELD:
LOCATION: NESW SEC 8TWP7S-RNG-93W-MERIDIAN
COUNTRY: USA
RIG: Pat-UTI 330

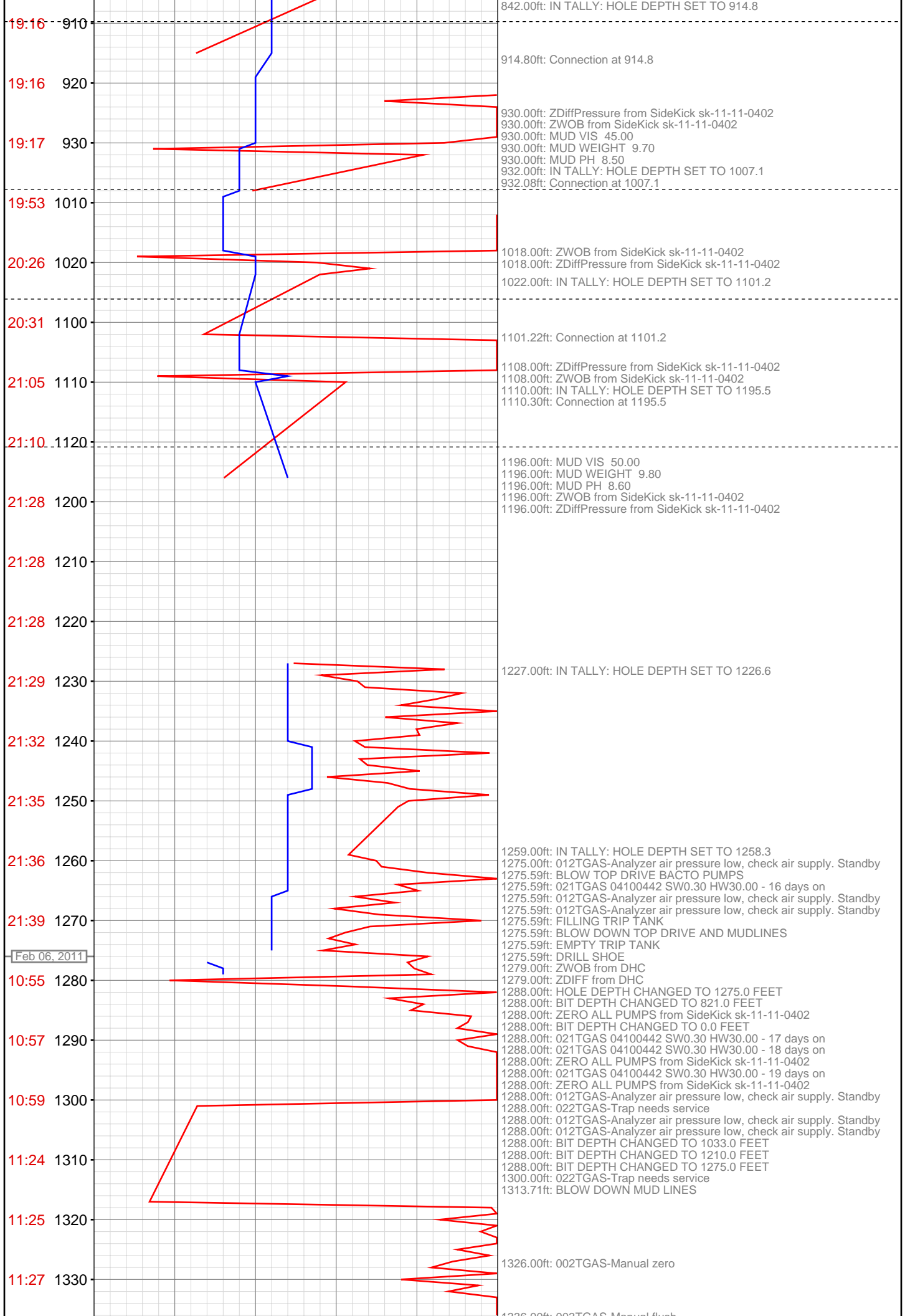
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05-045-19149-00
SPUD DATE: Feb 01, 2011 10:30
RELEASE DATE:

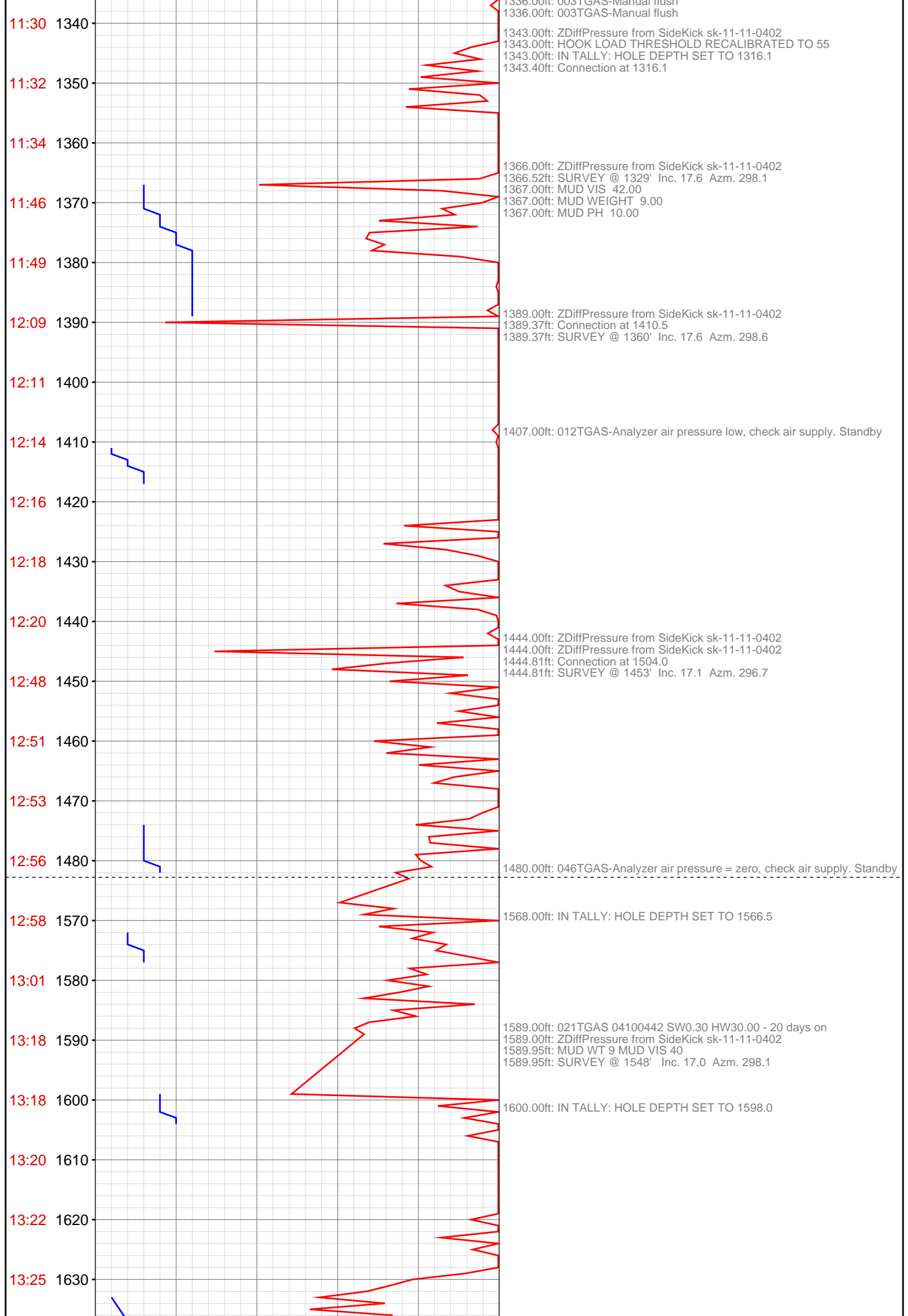


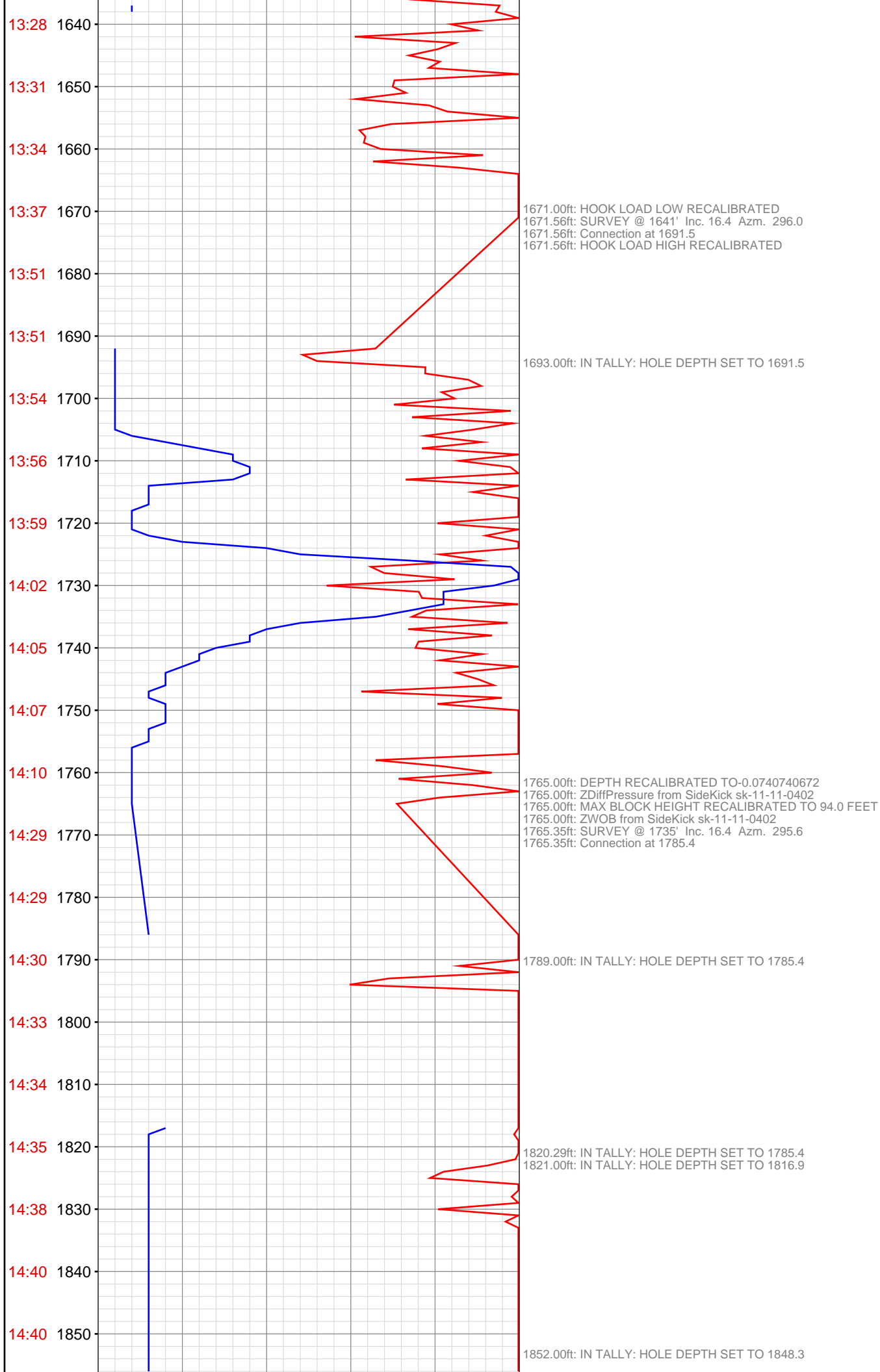


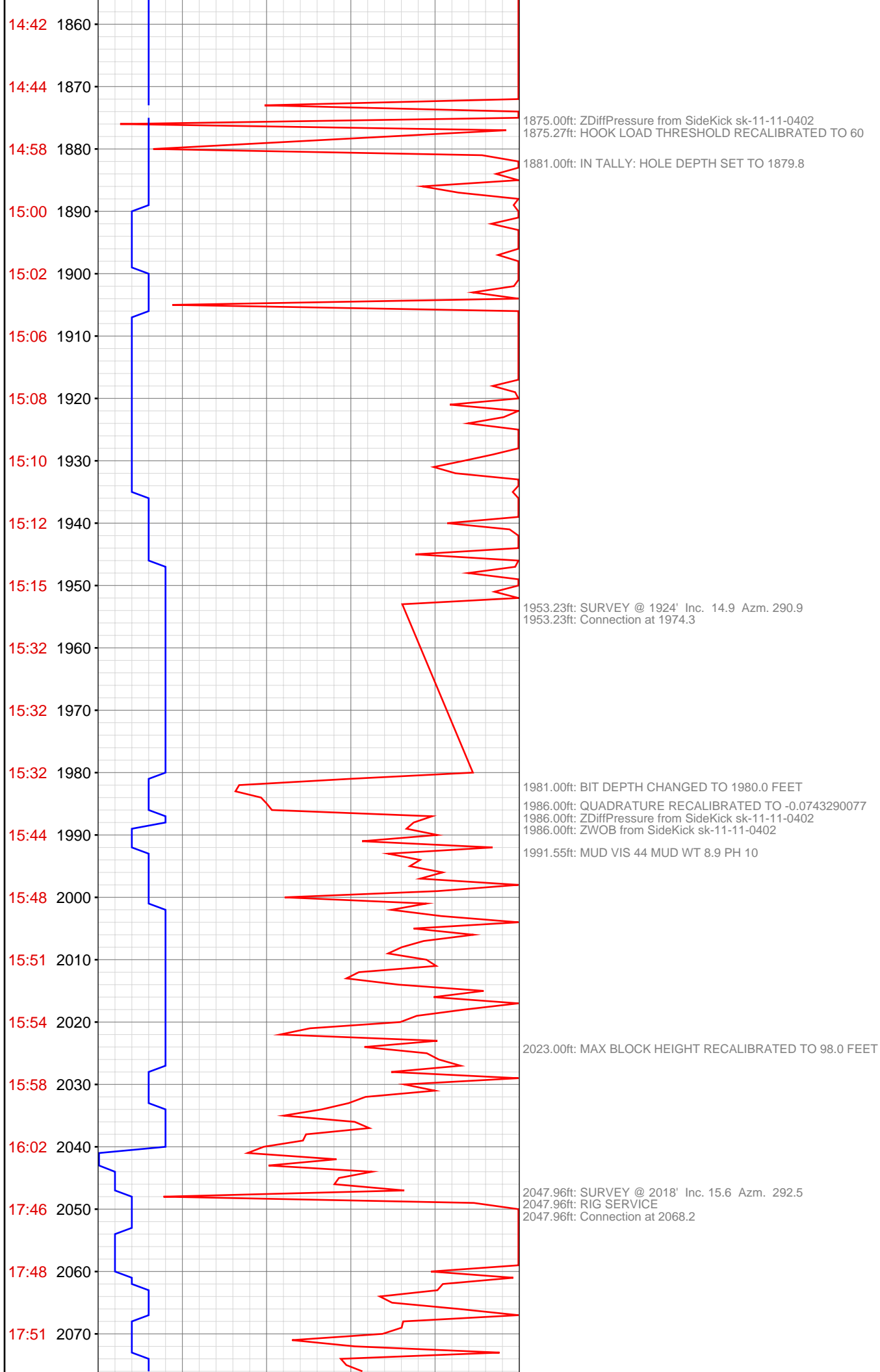


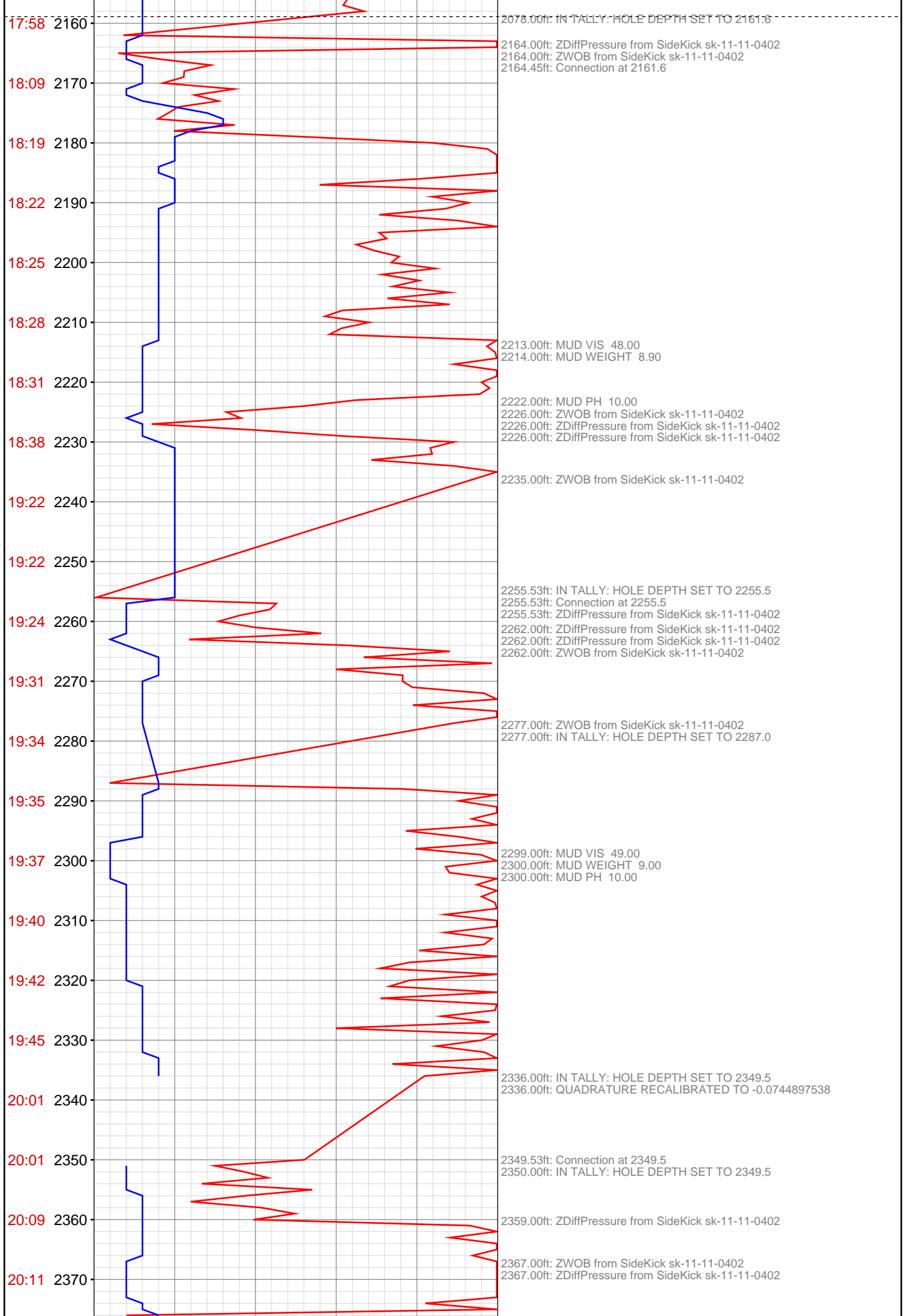


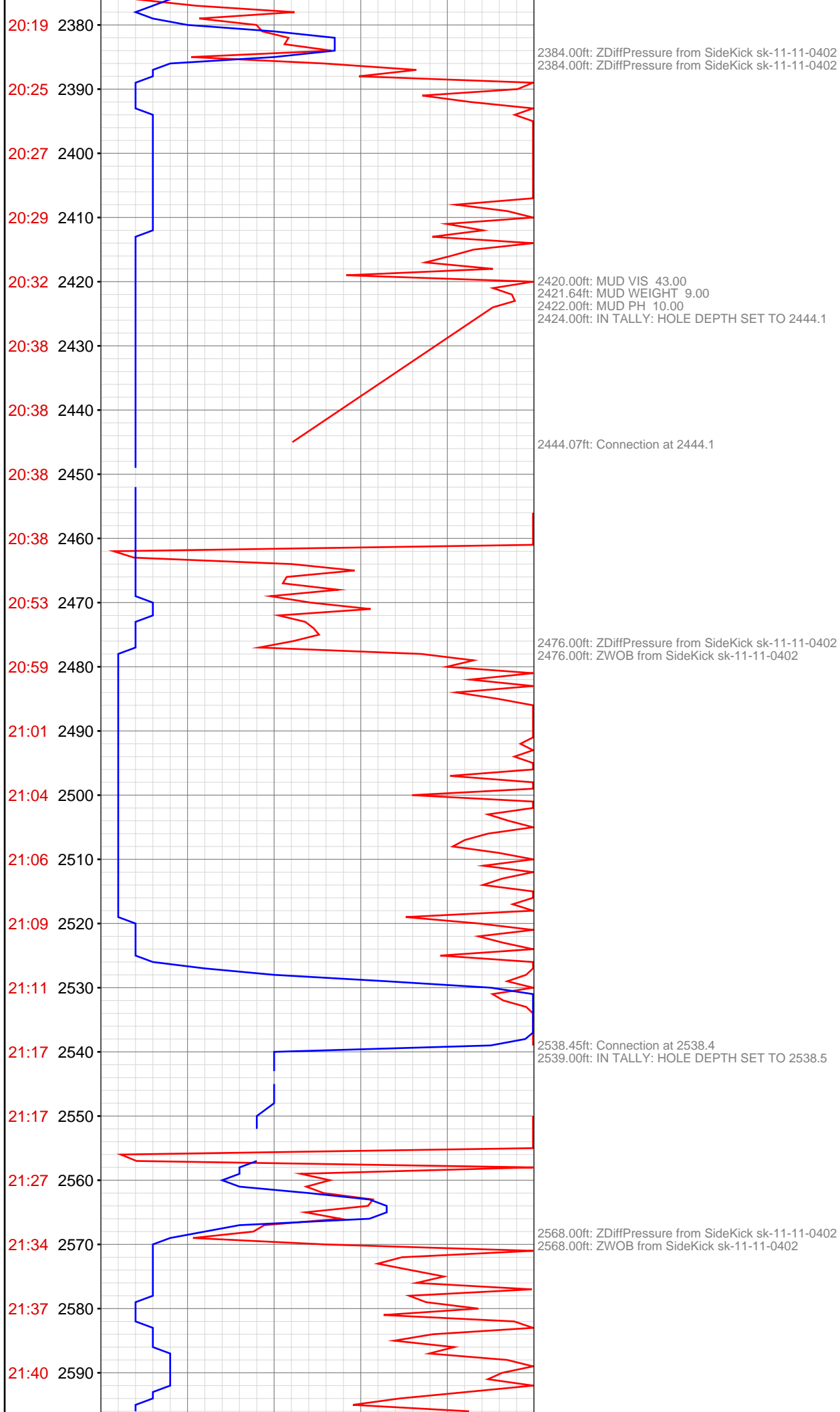


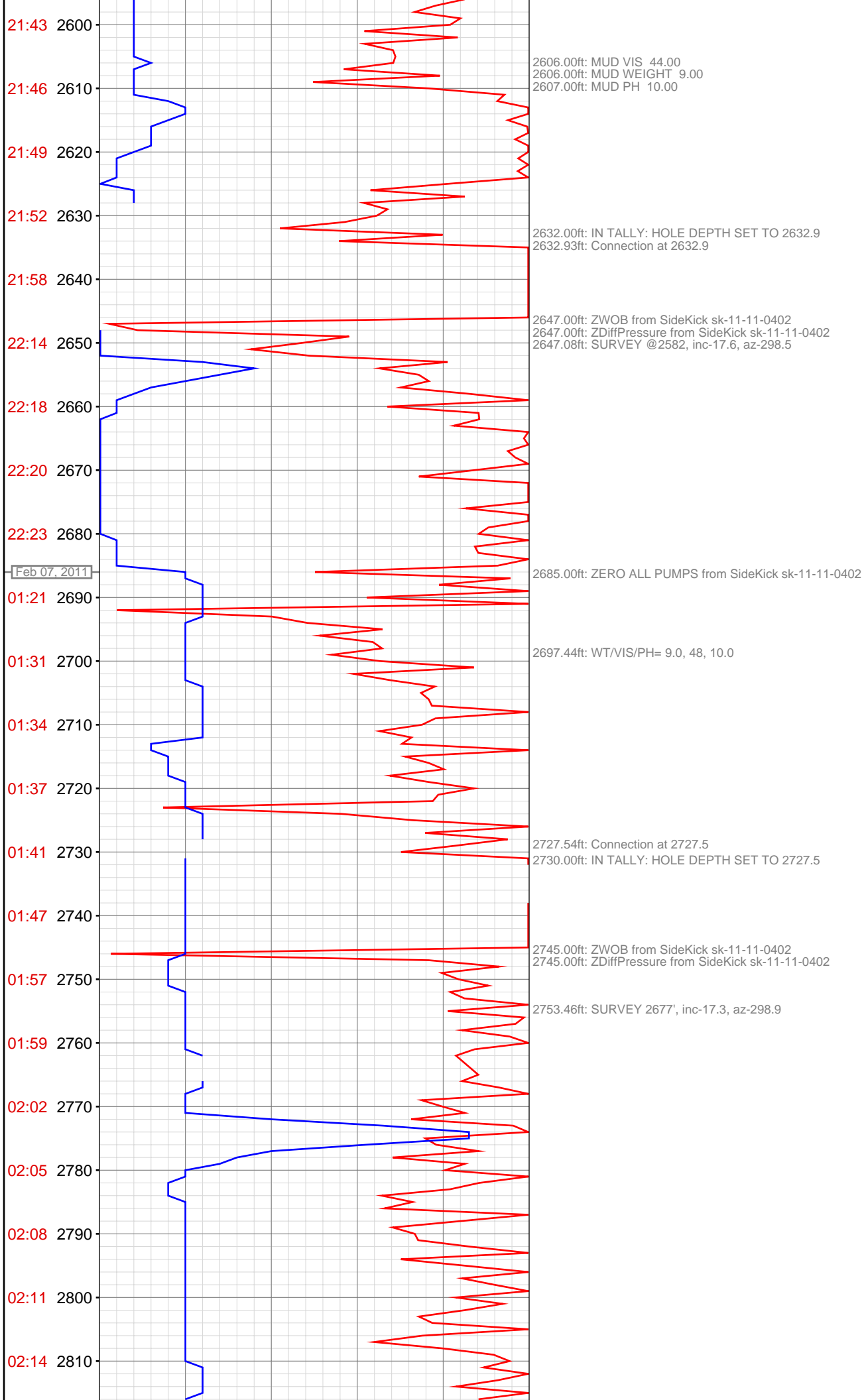


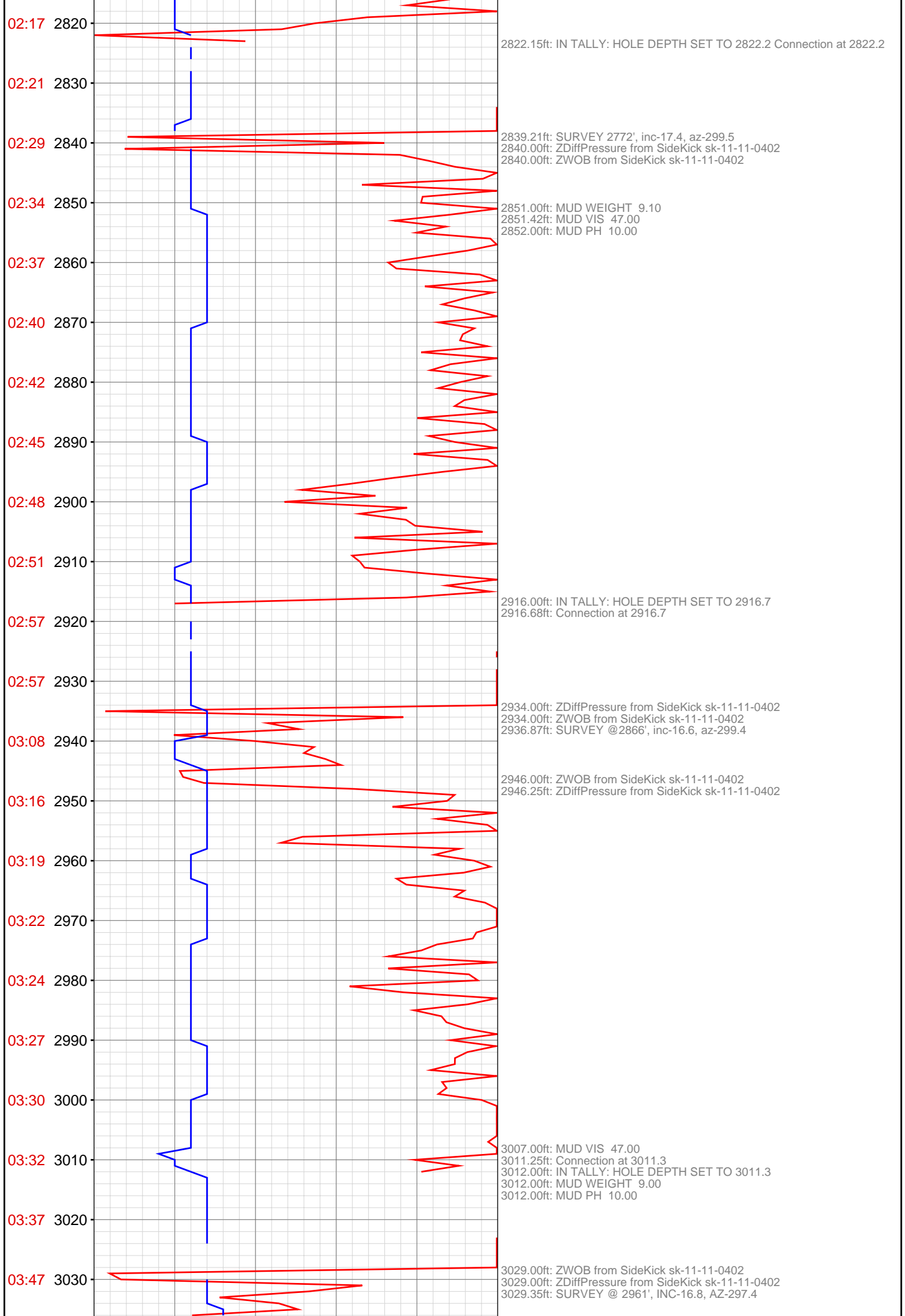


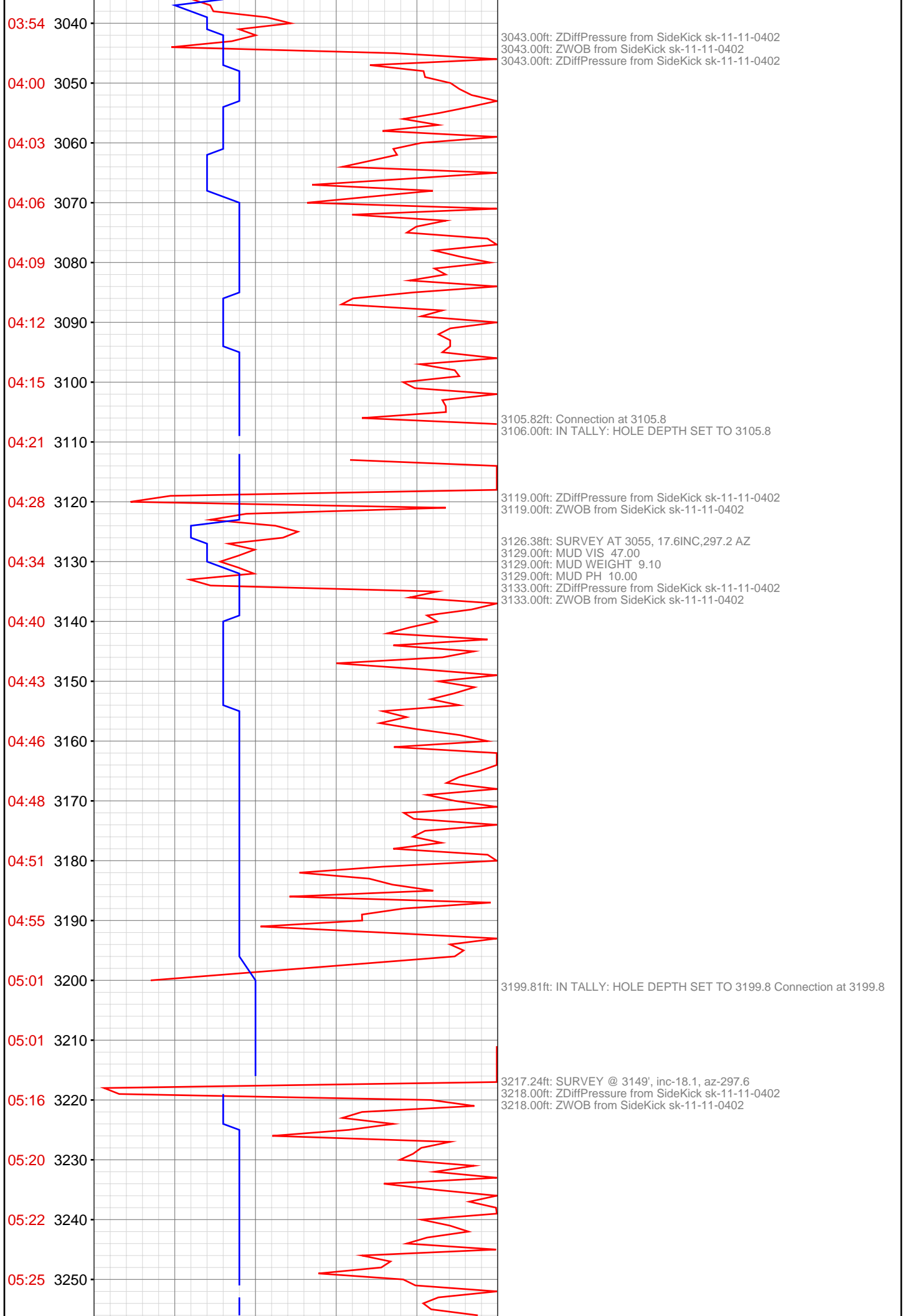


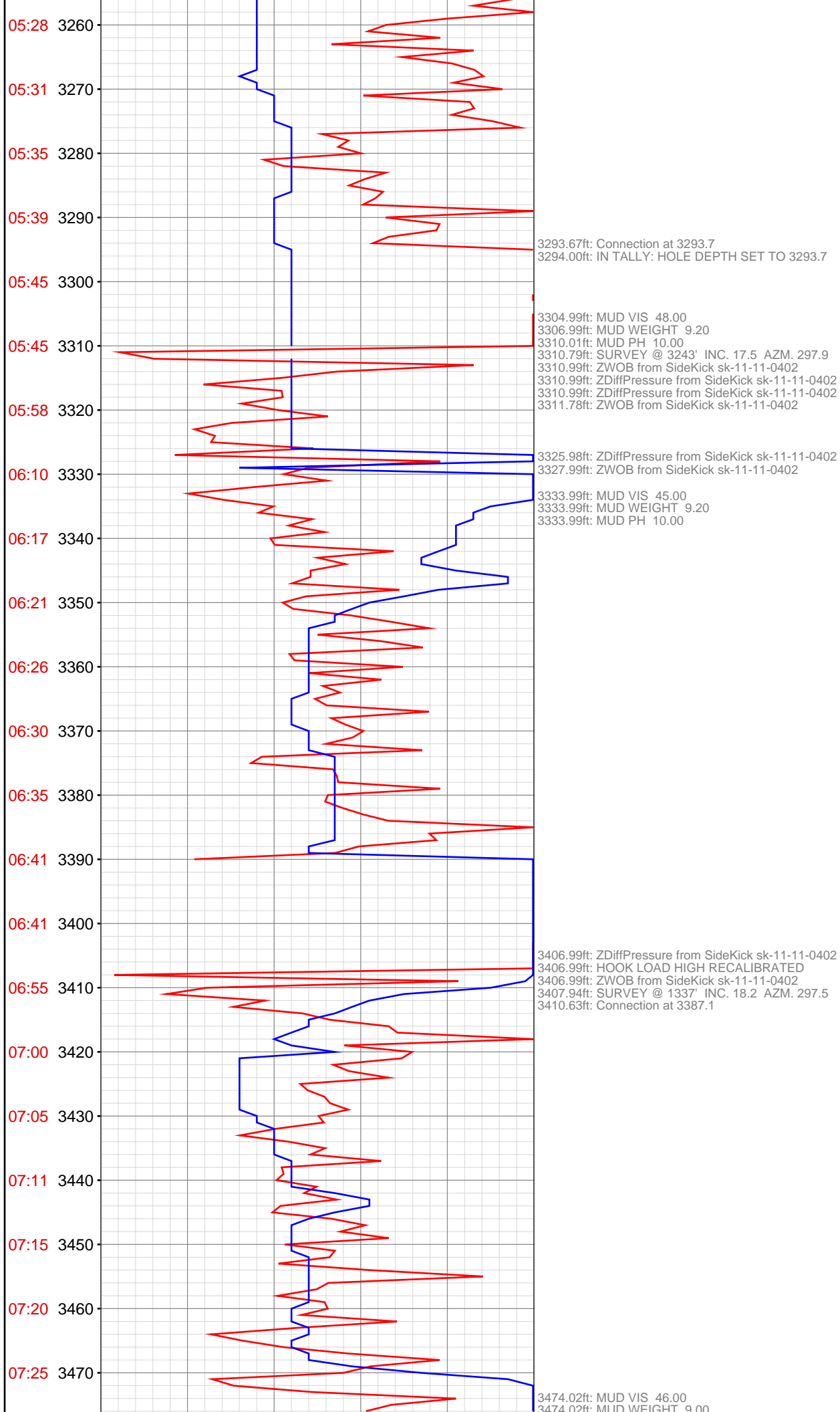


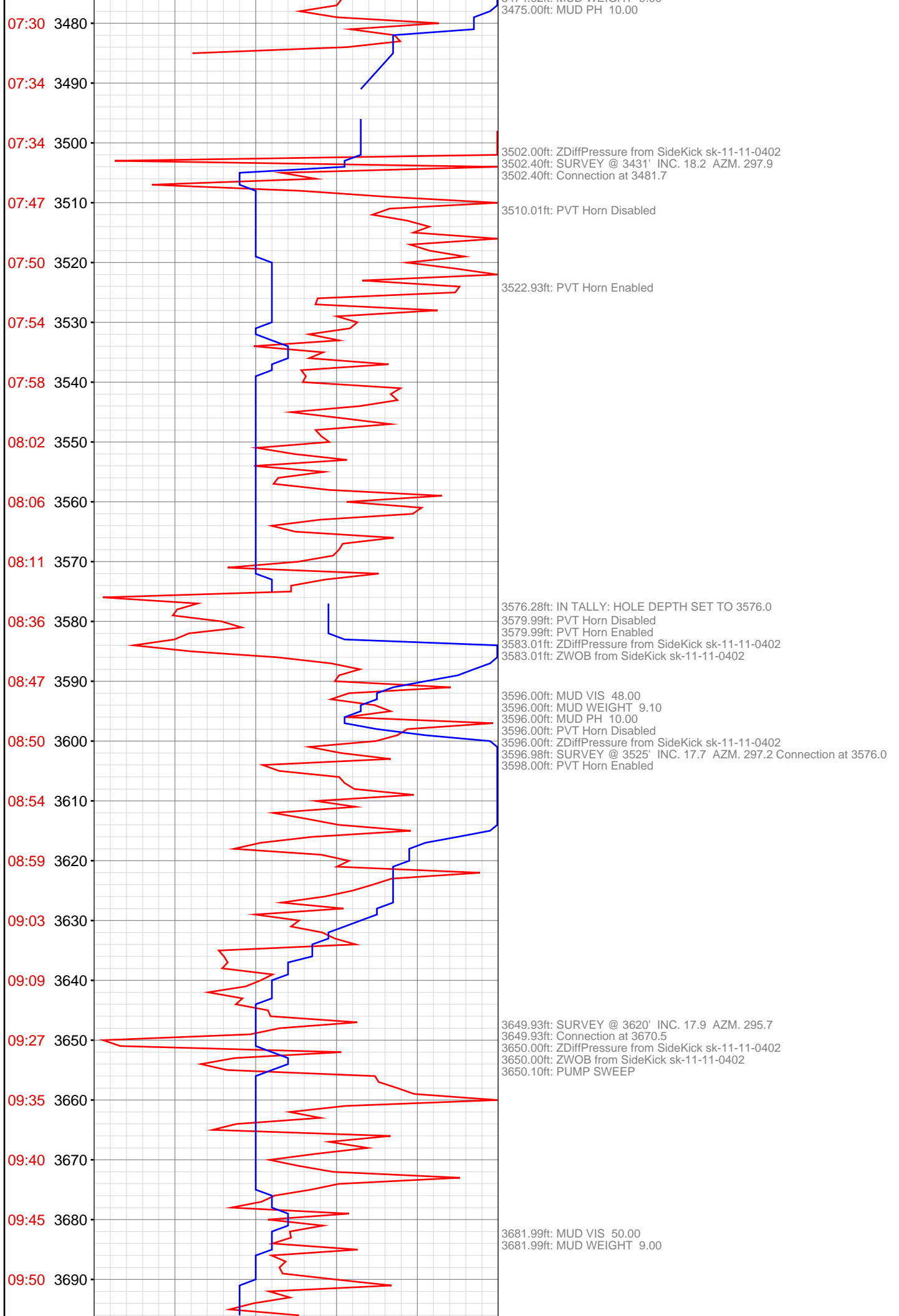


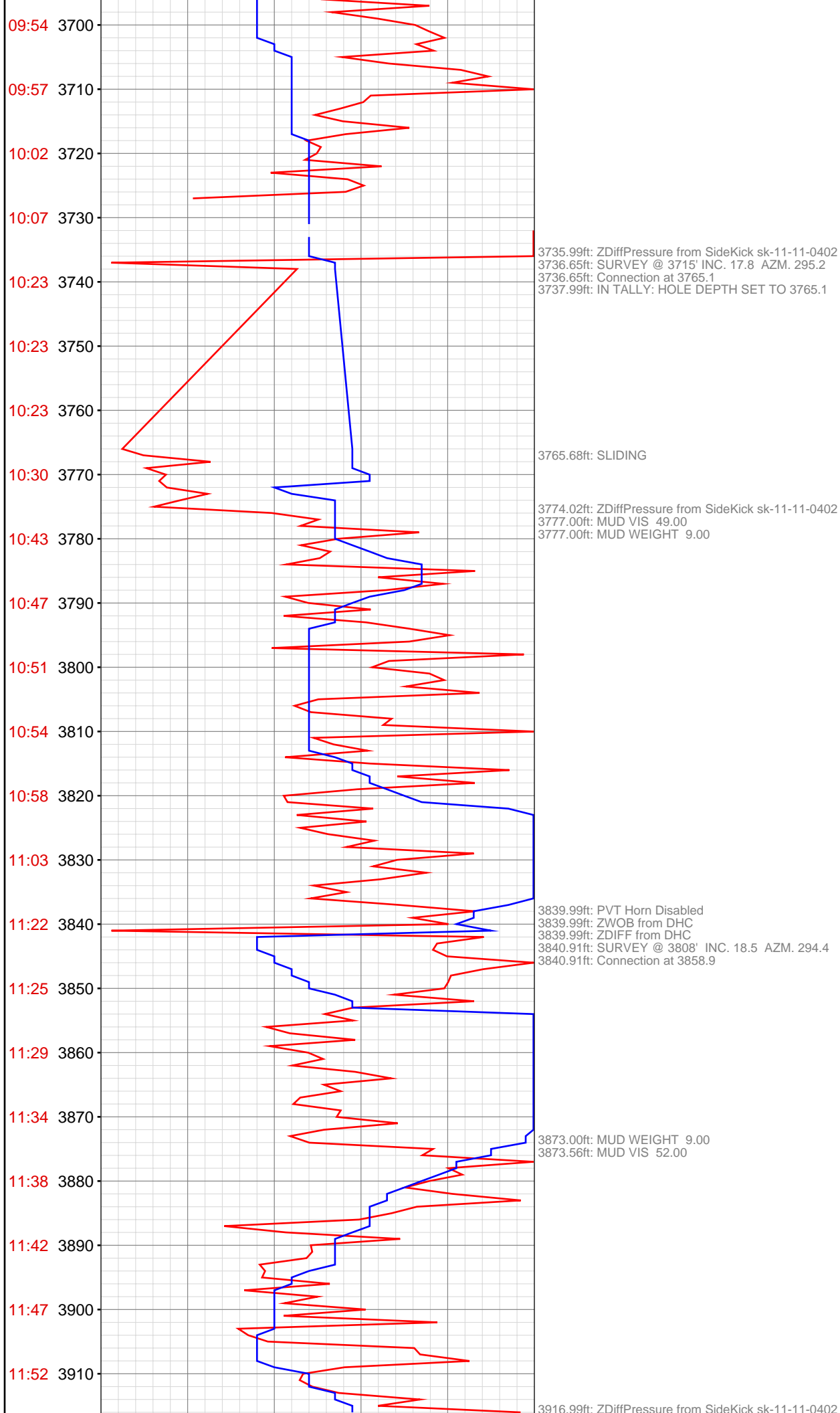


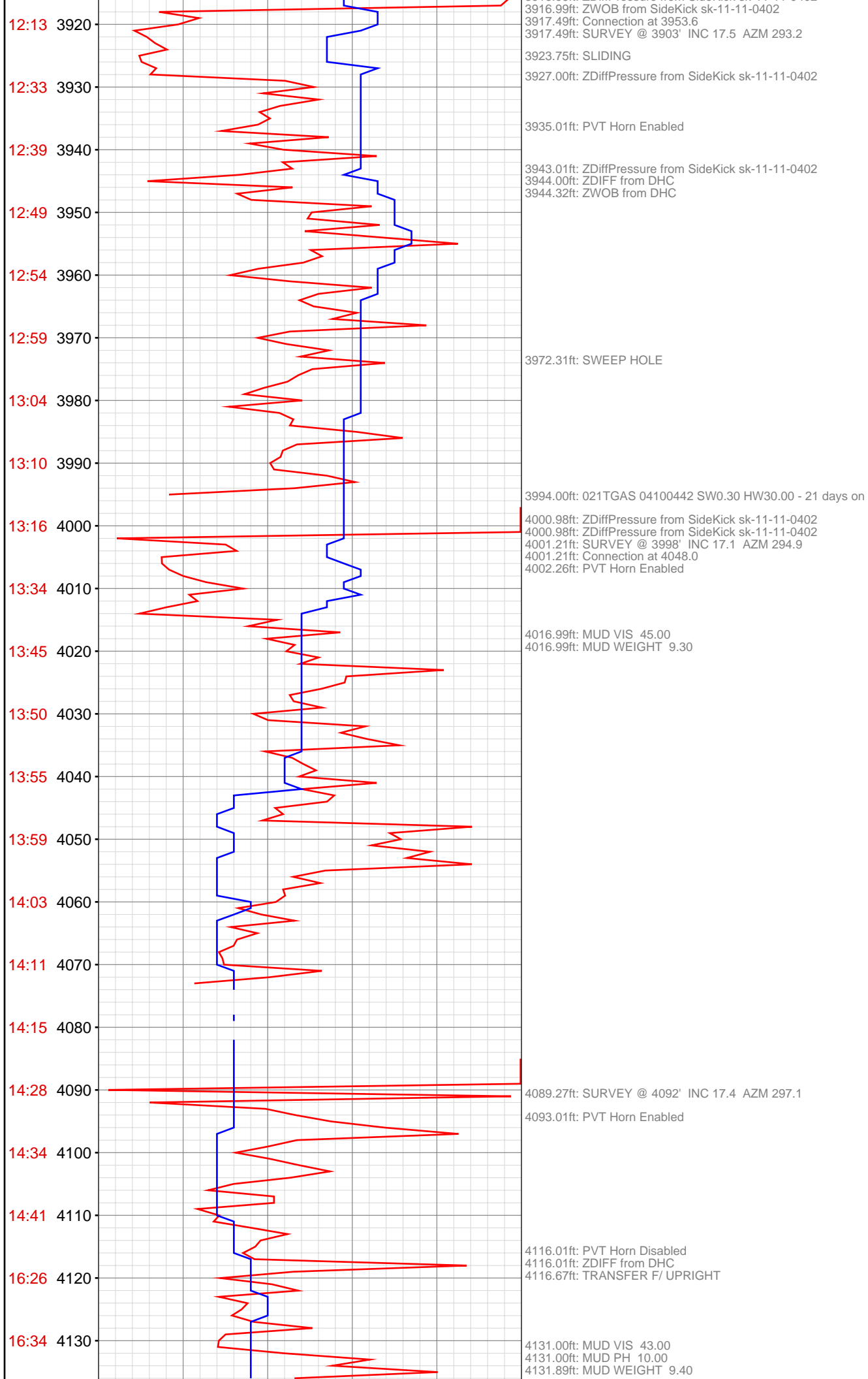


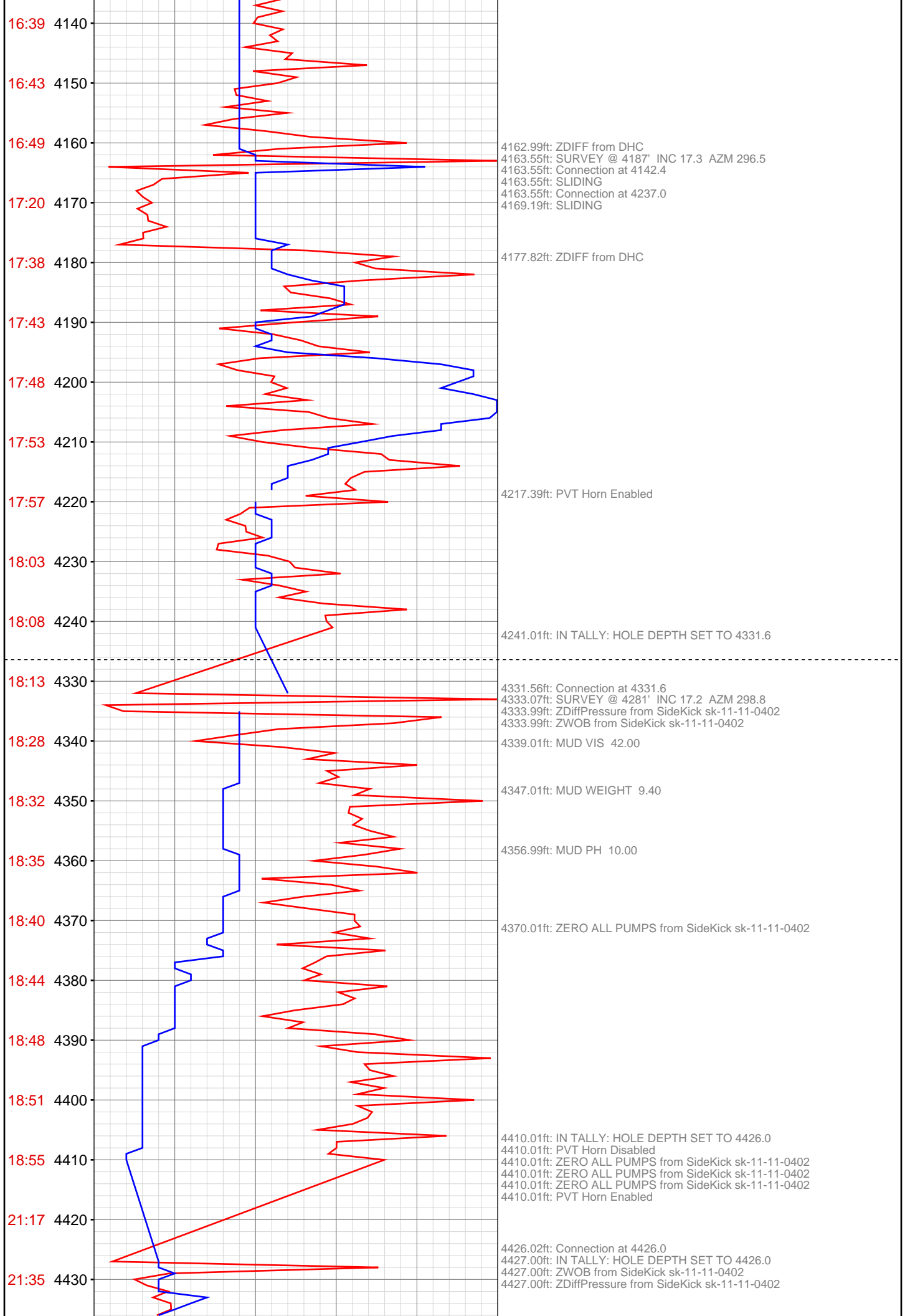


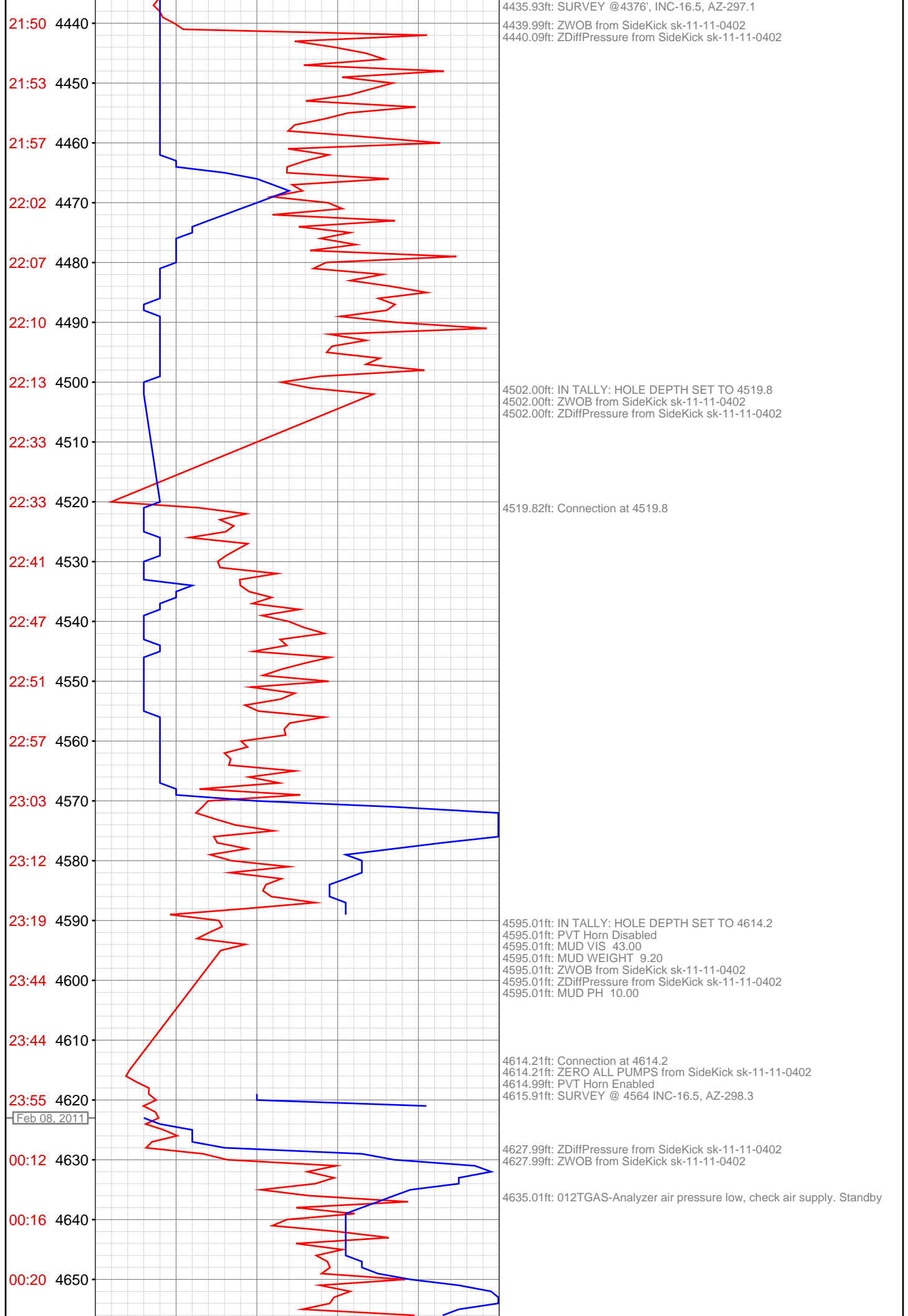


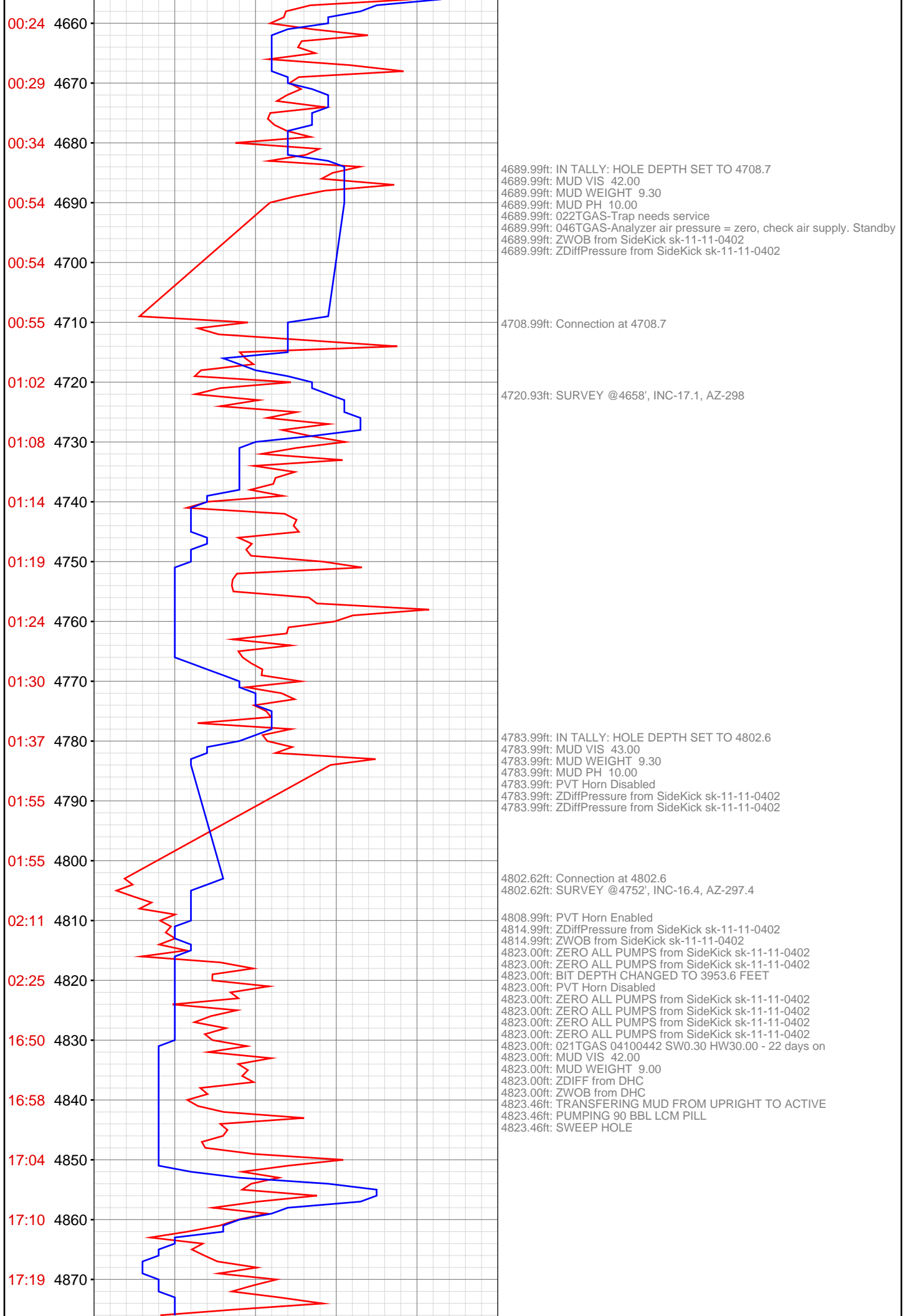


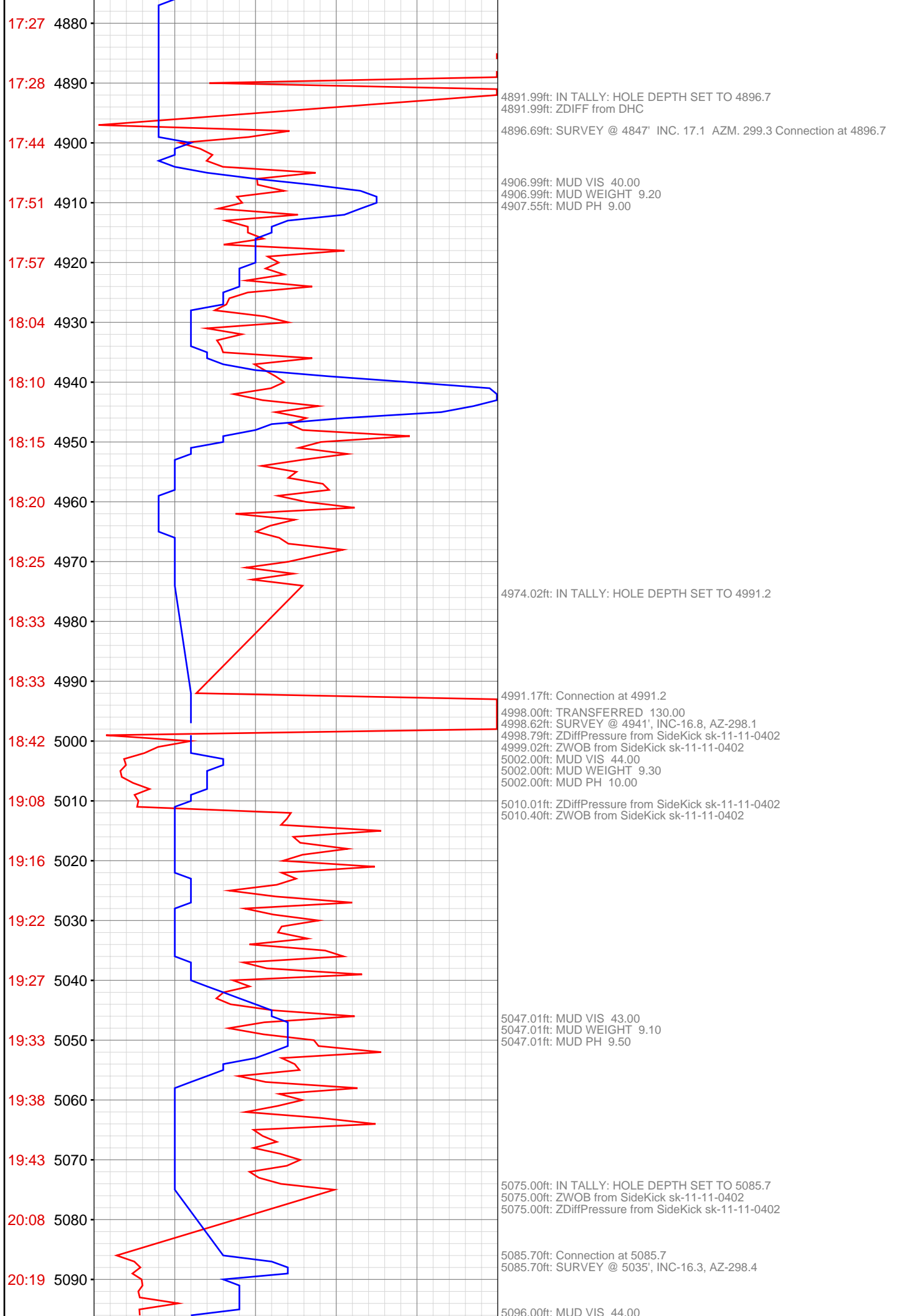










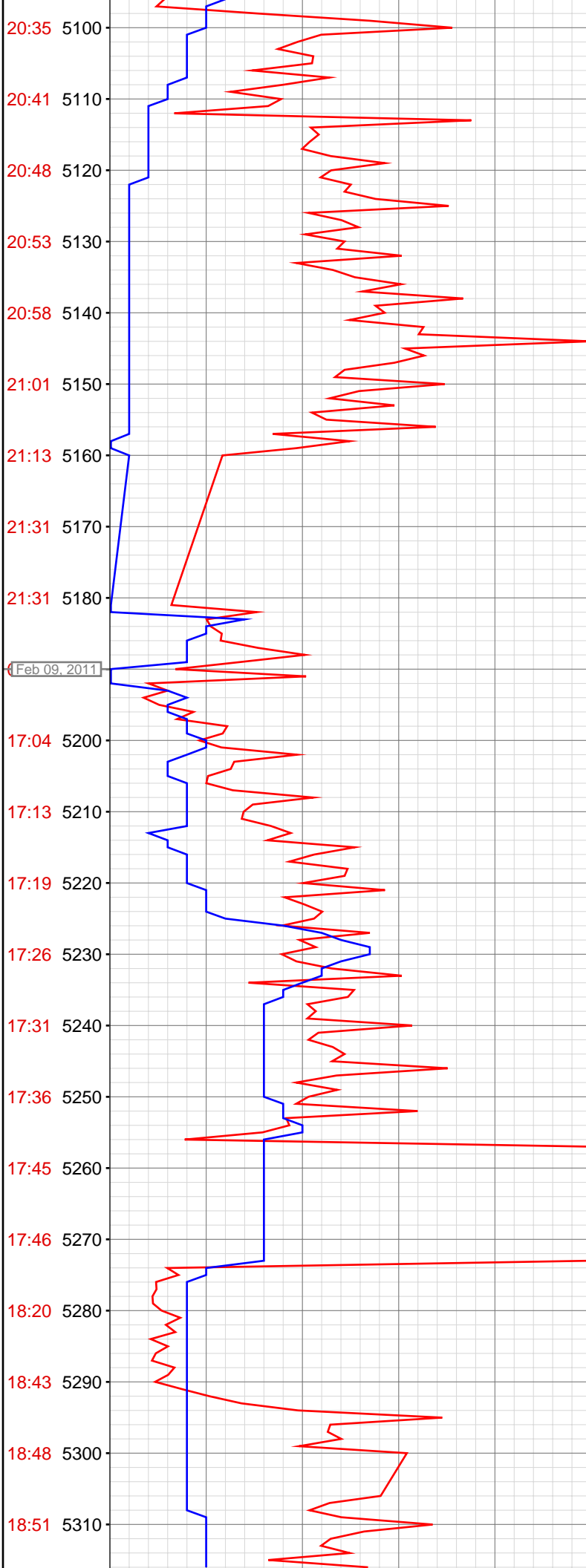


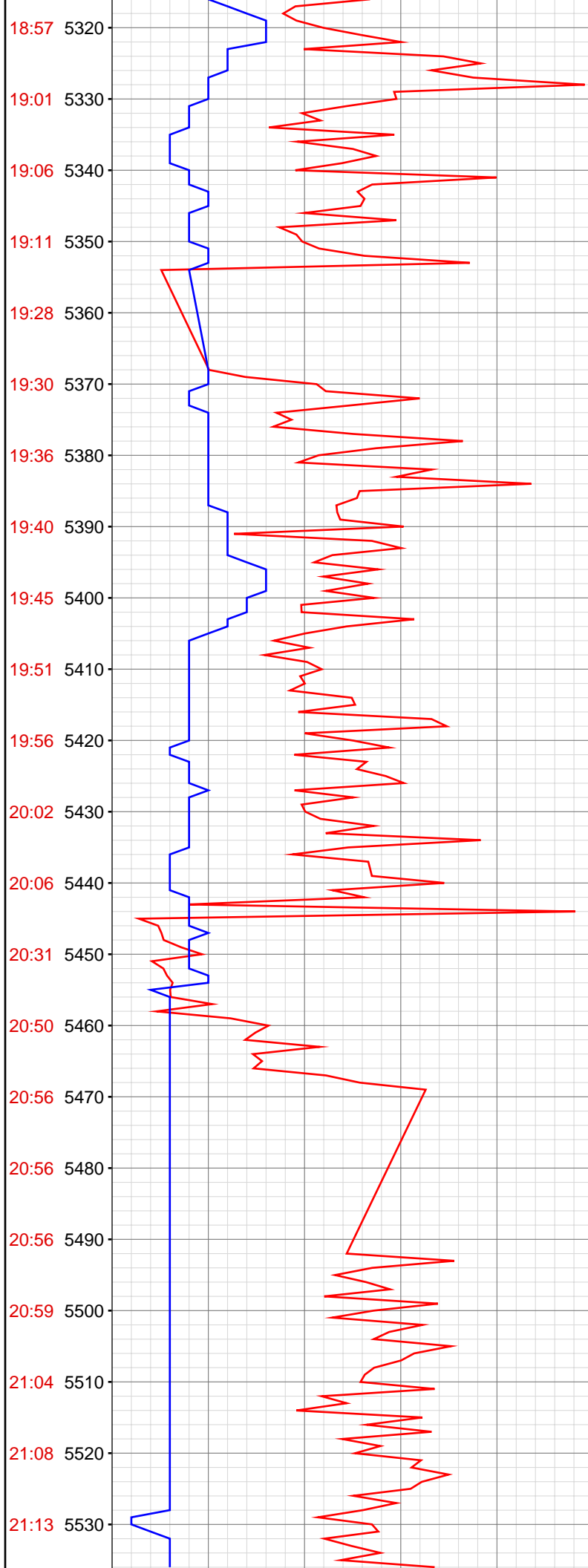
5096.00ft: MUD PH 9.60
5096.42ft: MUD WEIGHT 9.20

5156.00ft: ZDiffPressure from SideKick sk-11-11-0402
5160.01ft: IN TALLY: HOLE DEPTH SET TO 5180.1
5160.01ft: PVT Horn Disabled
5160.01ft: ZWOB from SideKick sk-11-11-0402
5180.12ft: Connection at 5180.1
5180.12ft: SURVEY @ 5130', INC-17, AZ-297.8
5180.12ft: ZDiffPressure from SideKick sk-11-11-0402
5183.01ft: PVT Horn Enabled
5189.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
5189.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
5189.01ft: ZDiffPressure from SideKick sk-11-11-0402
5189.21ft: BLOW DOWN TOP DRIVE AND MUD LINES
5189.21ft: ZWOB from SideKick sk-11-11-0402
5191.99ft: PVT Horn Disabled
5191.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
5191.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
5191.99ft: PVT Horn Enabled
5191.99ft: ZWOB from SideKick sk-11-11-0402
5191.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
5191.99ft: 012TGAS-Analyzer air pressure low, check air supply. Standby
5191.99ft: 022TGAS-Trap needs service
5191.99ft: 046TGAS-Analyzer air pressure = zero, check air supply. Standby
5191.99ft: 003TGAS-Manual flush
5191.99ft: 002TGAS-Manual zero
5191.99ft: 021TGAS 04100442 SW0.30 HW30.00 - 23 days on
5191.99ft: BIT DEPTH CHANGED TO 4802.5 FEET
5191.99ft: BIT DEPTH CHANGED TO 4802.5 FEET
5191.99ft: BIT DEPTH CHANGED TO 4802.5 FEET
5191.99ft: BIT DEPTH CHANGED TO 4802.5 FEET
5191.99ft: BIT DEPTH CHANGED TO 4802.5 FEET
5191.99ft: BIT DEPTH CHANGED TO 4802.5 FEET
5191.99ft: BIT DEPTH CHANGED TO 4896.7 FEET
5191.99ft: BIT DEPTH CHANGED TO 5022.5 FEET
5191.99ft: ZDIFF from DHC
5191.99ft: ZWOB from DHC
5191.99ft: BIT DEPTH CHANGED TO 5120.5 FEET
5191.99ft: BIT DEPTH CHANGED TO 5190.2 FEET
5192.19ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
5192.19ft: TRANSFERING FROM UPRIGHT TO ACTIVE
5192.19ft: BLOWING DOWN T/D AND ALL MUD LINES
5192.19ft: RETURNS
5192.19ft: ZDiffPressure from SideKick sk-11-11-0402
5192.19ft: PUMP LCM SWEEP
5192.19ft: #6
5192.19ft: 100% DMAN TIE CS TH TC JW KH
5192.19ft: BLOW BACK TO PUMPS
5192.19ft: #6 LCM PILL
5192.19ft: VIS 40 MW 9.0PPG PH 8.5
5192.19ft: TURN ON DESANDER DISILTER
5192.19ft: 100% DMAN TIE OFF CA TH TC
5192.19ft: BIT DEPTH CHANGED TO 4802.5 FEET
5192.19ft: BIT DEPTH CHANGED TO 4802.5 FEET
5192.19ft: SWEEP
5192.19ft: 16 GPM H2O
5192.19ft: pull shaker screens
5192.19ft: X PUMPS
5192.19ft: BIT DEPTH CHANGED TO 5085.8 FEET
5233.99ft: MUD VIS 69.00
5233.99ft: MUD WEIGHT 8.80
5238.09ft: TRANSFER MUD FROM TRUCK INTO ACTIVE
5273.00ft: ZDiffPressure from SideKick sk-11-11-0402
5273.00ft: ZWOB from SideKick sk-11-11-0402
5273.26ft: SLIDING Connection at 5274.8
5273.49ft: SURVEY @ 5224', INC-16.4, AZ-298.3

5283.01ft: ZWOB from SideKick sk-11-11-0402
5283.40ft: ZDiffPressure from SideKick sk-11-11-0402

5289.99ft: ZWOB from SideKick sk-11-11-0402
5289.99ft: ZDiffPressure from SideKick sk-11-11-0402





5344.00ft: MUD VIS 0.52

5350.00ft: MUD WEIGHT 8.60
5352.99ft: MUD PH 8.60
5352.99ft: ZDiffPressure from SideKick sk-11-11-0402
5352.99ft: ZWOB from SideKick sk-11-11-0402
5353.05ft: SURVEY @ 5319', INC-16.9, AZ-298.0
5353.35ft: Connection at 5367.7
5354.00ft: IN TALLY: HOLE DEPTH SET TO 5367.7

5441.99ft: PVT Horn Disabled
5441.99ft: HOOKLOAD WAS RECALIBRATED
5441.99ft: ZWOB from SideKick sk-11-11-0402
5442.49ft: Connection at 5462.0
5442.49ft: SURVEY @ 5412', INC-16.1, AZ-297.1
5442.55ft: ZDiffPressure from SideKick sk-11-11-0402
5444.00ft: PVT Horn Enabled

5456.99ft: MUD PH 9.60
5456.99ft: MUD WEIGHT 0.47
5456.99ft: ZDiffPressure from SideKick sk-11-11-0402
5456.99ft: ZWOB from SideKick sk-11-11-0402
5456.99ft: MUD WEIGHT 9.30

5491.99ft: BIT DEPTH CHANGED TO 5492.0 FEET

5541.01ft: PVT Horn Disabled
5541.01ft: ZWOB from SideKick sk-11-11-0402

5541.01ft: ZWOB from SideKick sk-11-11-0402
5541.01ft: ZDiffPressure from SideKick sk-11-11-0402
5541.01ft: PVT Horn Enabled
5541.01ft: ZDiffPressure from SideKick sk-11-11-0402
5541.01ft: ZWOB from SideKick sk-11-11-0402
5541.17ft: Connection at 5555.4
5541.17ft: SURVEY @5506, INC-16.6, AZ-300.3

5554.99ft: BIT DEPTH CHANGED TO 5555.0 FEET

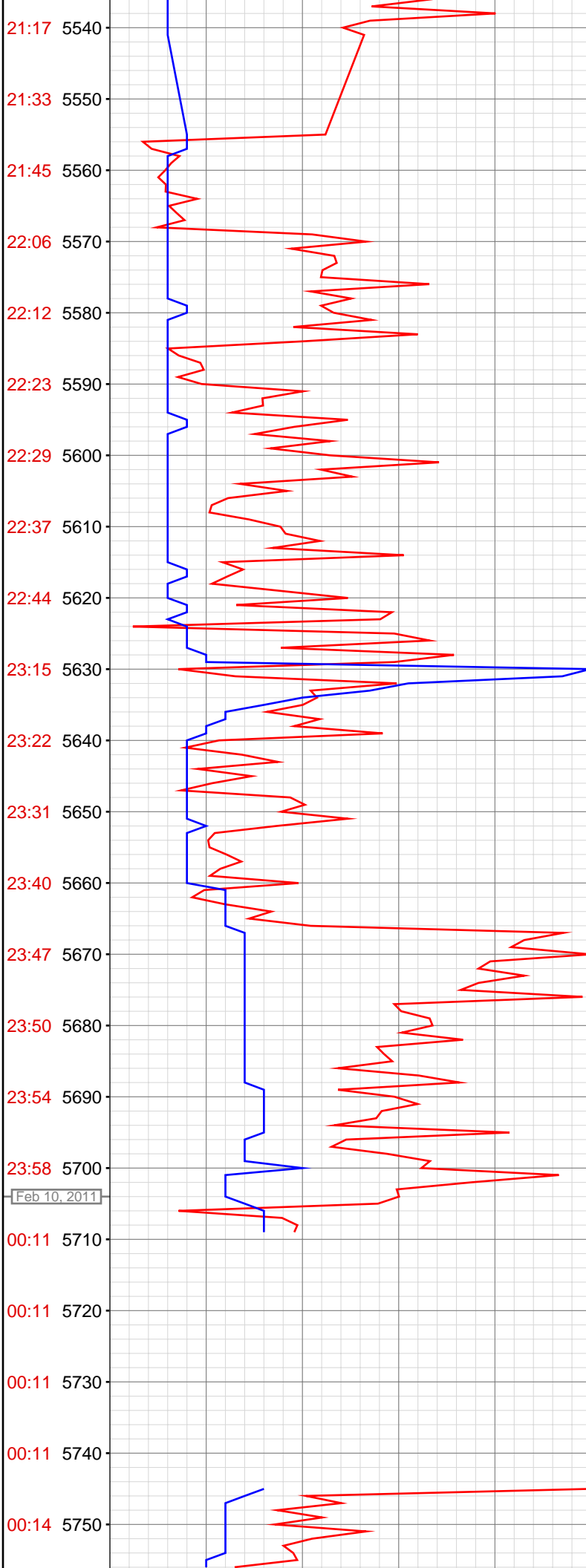
5566.99ft: ZDiffPressure from SideKick sk-11-11-0402

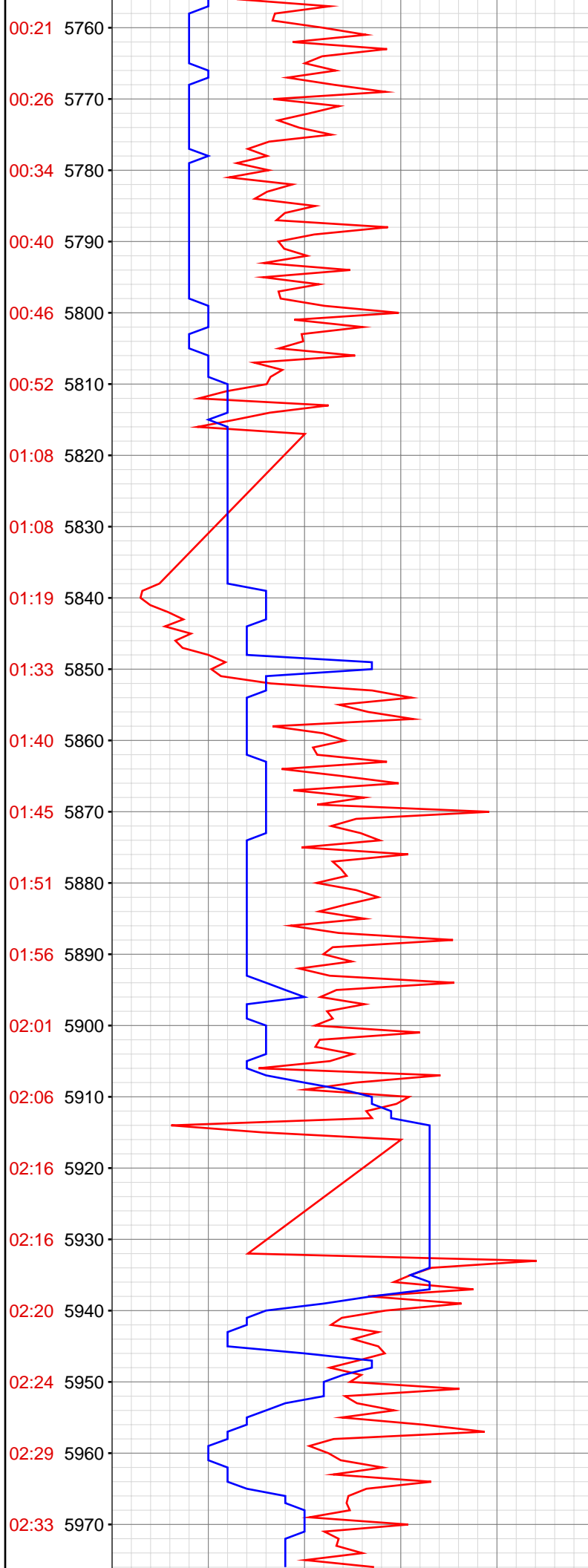
5625.98ft: MUD VIS 0.42
5627.00ft: MUD WEIGHT 9.50
5627.99ft: MUD PH 9.30
5629.00ft: ZDiffPressure from SideKick sk-11-11-0402
5629.00ft: ZWOB from SideKick sk-11-11-0402

5637.01ft: Connection at 5649.3

5704.99ft: ZWOB from SideKick sk-11-11-0402
5704.99ft: ZDiffPressure from SideKick sk-11-11-0402
5705.02ft: SURVEY @5693', INC-17.3, AZ-298
5708.30ft: Connection at 5743.4

5745.01ft: BIT DEPTH CHANGED TO 5745.0 FEET





5779.99ft: MUD PH 8.80
5779.99ft: MUD VIS 0.38
5783.99ft: MUD WEIGHT 9.40

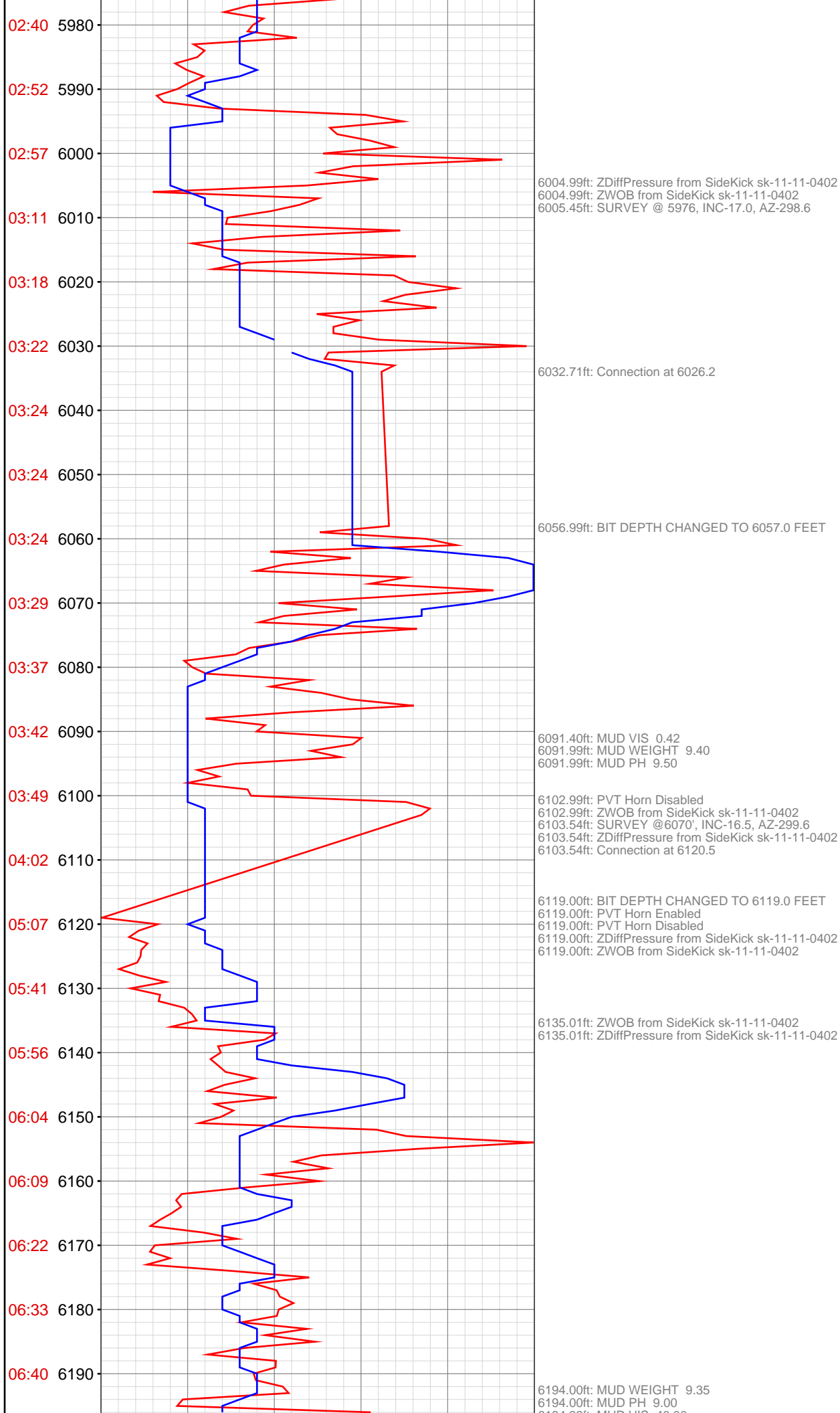
5816.99ft: ZDiffPressure from SideKick sk-11-11-0402
5816.99ft: PVT Horn Enabled
5816.99ft: IN TALLY: HOLE DEPTH SET TO 5837.9
5817.32ft: SURVEY @ 5787', INC-16.6, AZ-297.9
5817.32ft: PVT Horn Disabled
5817.32ft: ZWOB from SideKick sk-11-11-0402
5817.32ft: Connection at 5837.9

5850.00ft: ZDiffPressure from SideKick sk-11-11-0402
5850.00ft: ZWOB from SideKick sk-11-11-0402

5904.00ft: MUD VIS 0.38
5904.00ft: MUD WEIGHT 9.40
5904.99ft: MUD PH 9.30

5912.99ft: ZWOB from SideKick sk-11-11-0402
5912.99ft: ZDiffPressure from SideKick sk-11-11-0402
5913.68ft: SURVEY @ 5882', INC-17.4, AZ-298.6
5914.44ft: Connection at 5932.4

5931.99ft: BIT DEPTH CHANGED TO 5932.0 FEET



6194.39ft: MUD VIS 40.00
6194.39ft: Connection at 6214.9 SURVEY @ 6164' INC. 17.4 AZM. 297.8
6199.31ft: SWEEP

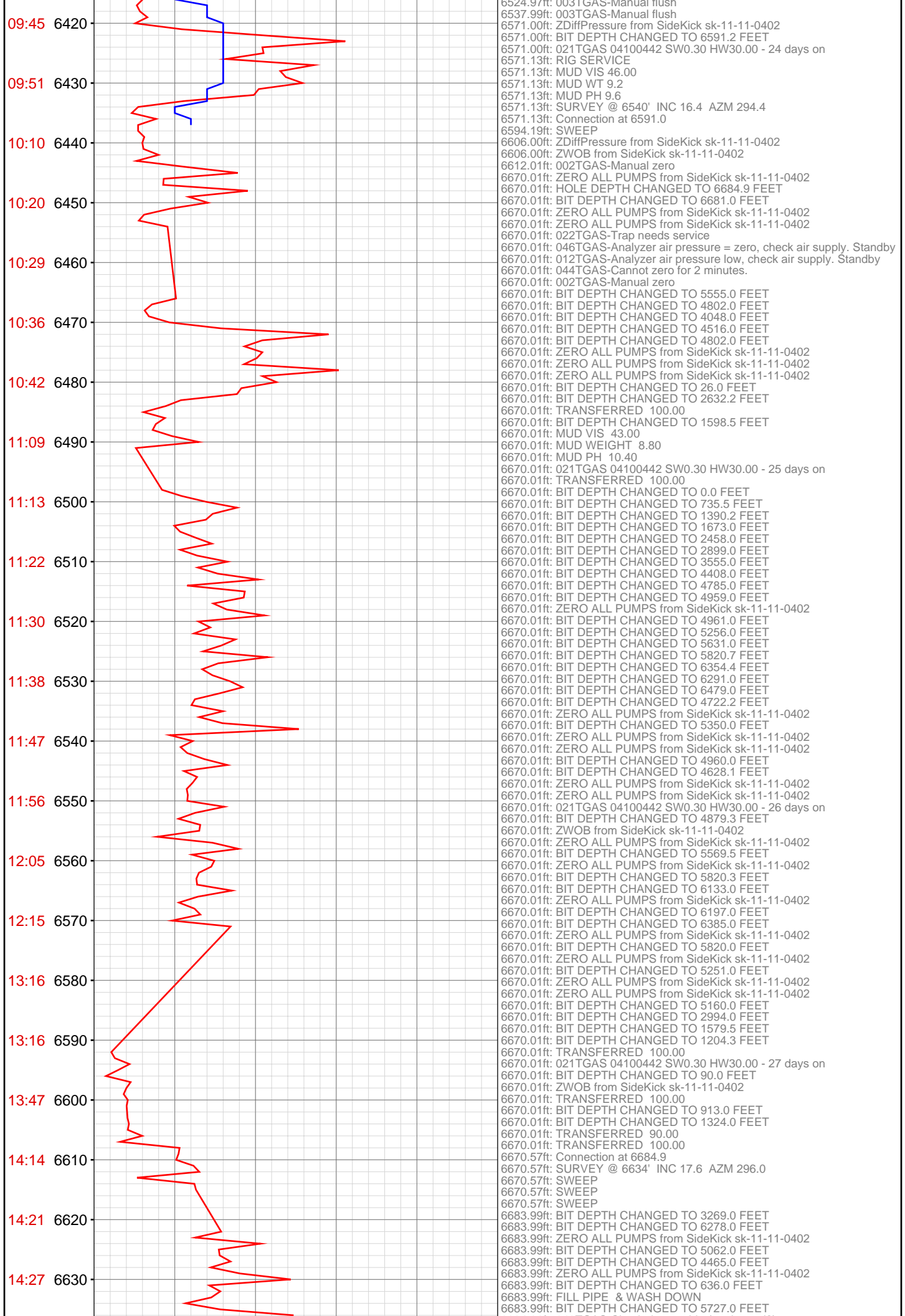
6214.01ft: BIT DEPTH CHANGED TO 6238.3 FEET

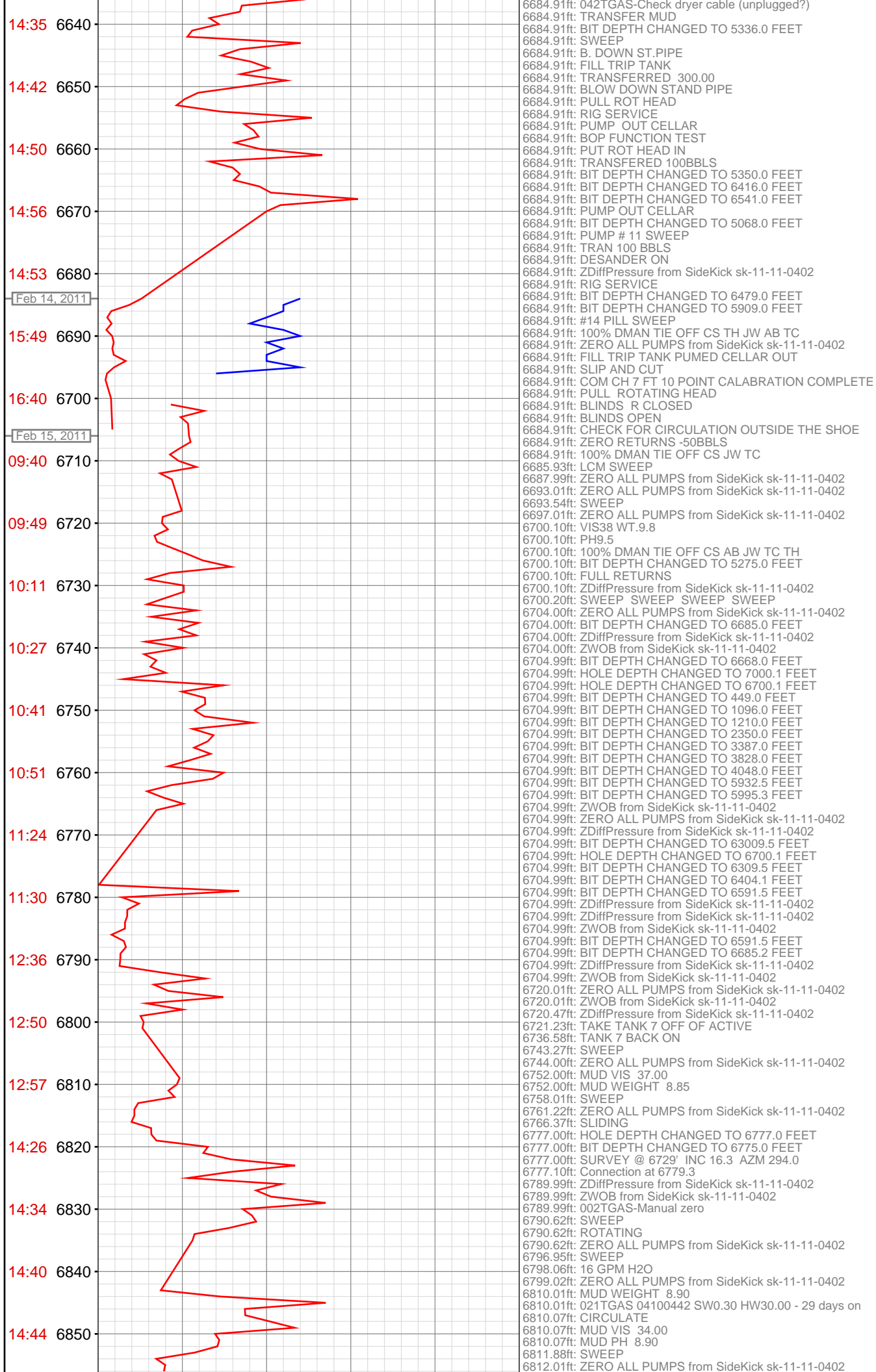
6288.65ft: 100% DMAN TIE CS AB JW
6293.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
6293.01ft: ZDiffPressure from SideKick sk-11-11-0402
6293.01ft: ZWOB from SideKick sk-11-11-0402
6293.11ft: Connection at 6309.4 ROTATING
6295.01ft: BIT DEPTH CHANGED TO 6309.8 FEET

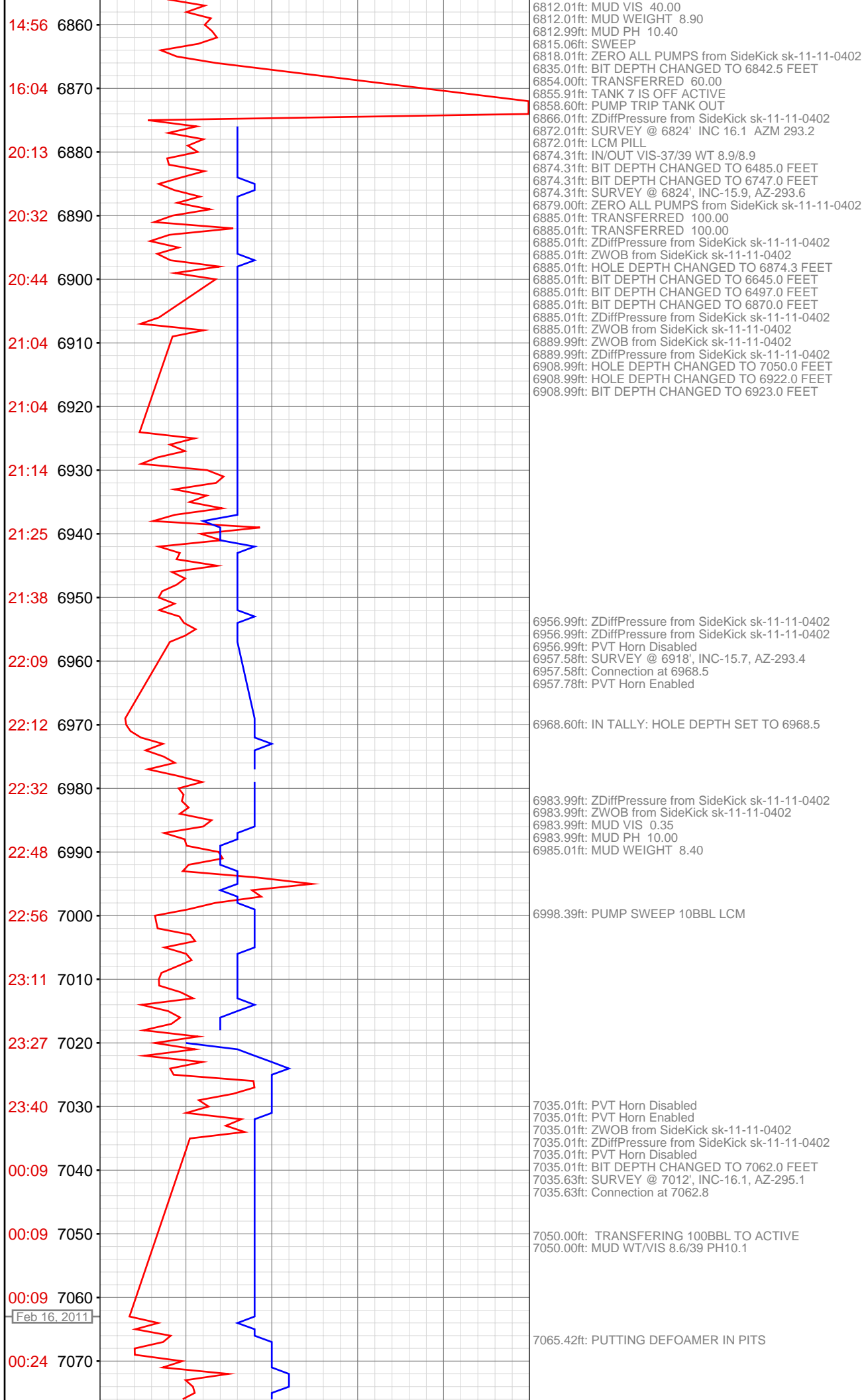
6312.93ft: SURVEY @ 6259' INC 16.8 AZM 296.5
6314.86ft: SWEEP

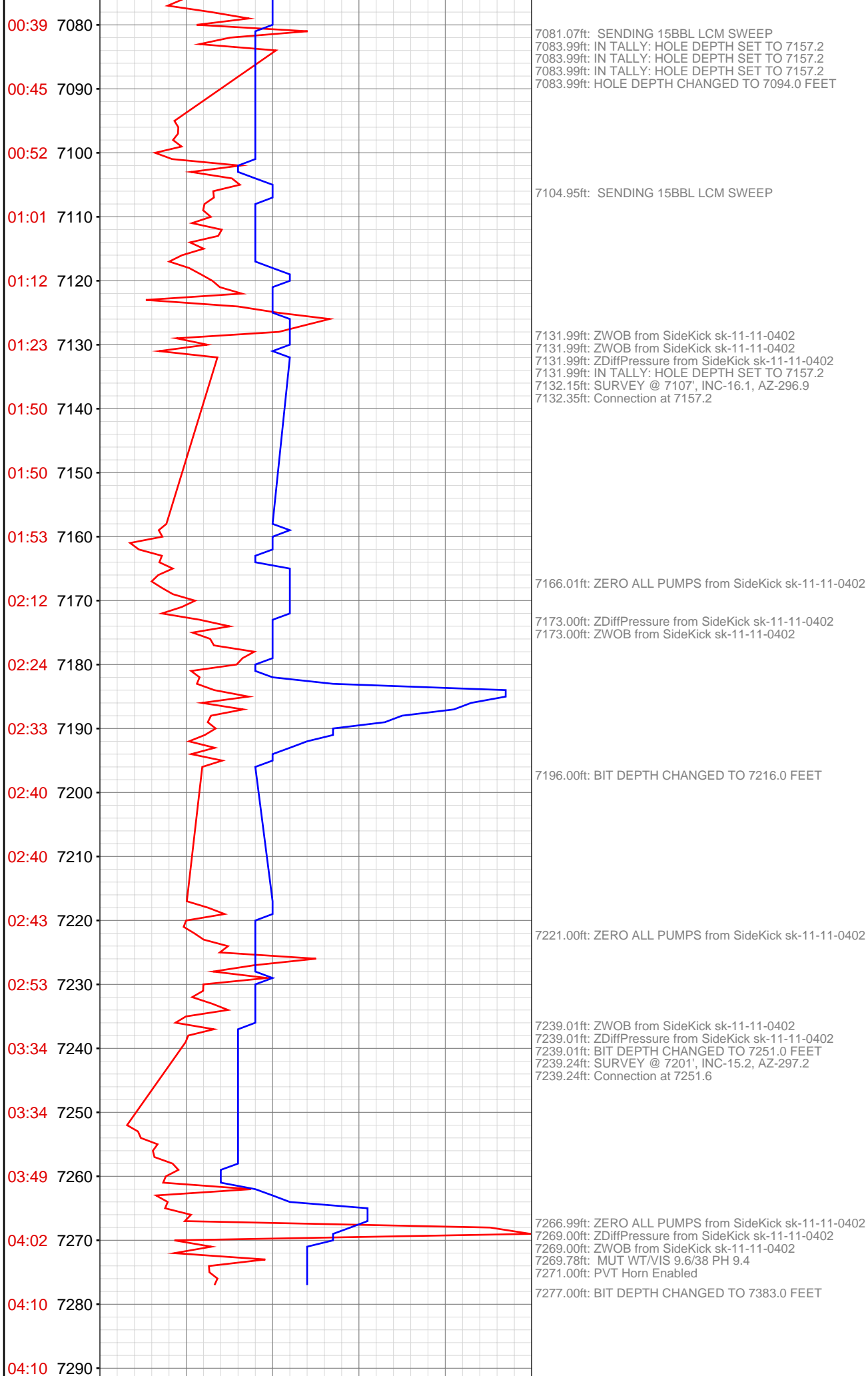
6326.77ft: MUD VIS 41.00
6327.00ft: MUD WEIGHT 9.35
6327.00ft: MUD PH 9.20

6383.99ft: ZDiffPressure from SideKick sk-11-11-0402
6384.81ft: Connection at 6403.5
6384.81ft: SLIDING
6385.04ft: SURVEY @ 6353' INC 16.3 AZM 298.3
6403.51ft: BIT DEPTH CHANGED TO 6403.5 FEET
6419.00ft: ZDiffPressure from SideKick sk-11-11-0402
6419.00ft: ZWOB from SideKick sk-11-11-0402
6419.88ft: ROTATING
6421.88ft: SWEEP
6454.00ft: BIT DEPTH CHANGED TO 6465.3 FEET
6489.99ft: MUD VIS 42.00
6489.99ft: MUD WEIGHT 9.30
6489.99ft: MUD PH 9.50
6490.03ft: Connection at 6497.1
6490.03ft: SURVEY @ 6447' INC 16.7 AZM 295.2
6500.00ft: 012TGAS-Analyzer air pressure low, check air supply. Standby
6500.98ft: 022TGAS-Trap needs service
6503.51ft: 046TGAS-Analyzer air pressure = zero, check air supply. Standby
6510.99ft: 002TGAS-Manual zero
6524.02ft: 044TGAS-Cannot zero for 2 minutes.









04:10 7300
04:10 7310
04:10 7320
04:10 7330
04:10 7340
04:10 7350
04:10 7360
04:10 7370
04:10 7380
04:19 7390
04:31 7400
06:33 7410
06:46 7420
06:56 7430
07:15 7440
07:32 7450
07:47 7460
08:03 7470
08:14 7480
08:26 7490
08:30 7500
08:37 7510

7318.01ft: HOLE DEPTH CHANGED TO 7318.0 FEET

7339.01ft: PVT Horn Disabled
7339.01ft: ZWOB from SideKick sk-11-11-0402
7339.01ft: ZDiffPressure from SideKick sk-11-11-0402
7339.14ft: SURVEY @ 7295', INC-14.5, AZ-301.2
7339.14ft: Connection at 7345.9

7354.99ft: ZDiffPressure from SideKick sk-11-11-0402
7354.99ft: ZWOB from SideKick sk-11-11-0402
7358.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
7358.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402

7366.99ft: BIT DEPTH CHANGED TO 7377.0 FEET

7383.66ft: SENDING 15BBL LCM SWEEP
7385.01ft: PVT Horn Enabled

7388.32ft: SWEEP

7394.91ft: SENDING 15BBL LCM SWEEP
7396.00ft: HOLE DEPTH CHANGED TO 7408.0 FEET
7396.00ft: BIT DEPTH CHANGED TO 7408.0 FEET

7408.01ft: WT/VIS/PH: 8.7/40/9.5

7429.46ft: ADDING DEFOAMER TO ACTIVE
7431.00ft: IN TALLY: HOLE DEPTH SET TO 7440.4
7431.00ft: PVT Horn Disabled
7431.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
7431.00ft: ZWOB from SideKick sk-11-11-0402
7431.00ft: ZDiffPressure from SideKick sk-11-11-0402
7431.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402
7431.82ft: Connection at 7440.4
7440.39ft: SURVEY @ 7390' INC 13.1 AZM 302.3
7441.99ft: PVT Horn Enabled
7443.67ft: SWEEP

7460.99ft: ZDiffPressure from SideKick sk-11-11-0402
7460.99ft: ZWOB from SideKick sk-11-11-0402

7466.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402

7473.92ft: SWEEP

7503.08ft: BIT DEPTH CHANGED TO 7503.0 FEET

7514.01ft: MUD VIS 41.00
7514.01ft: MUD WEIGHT 8.80

