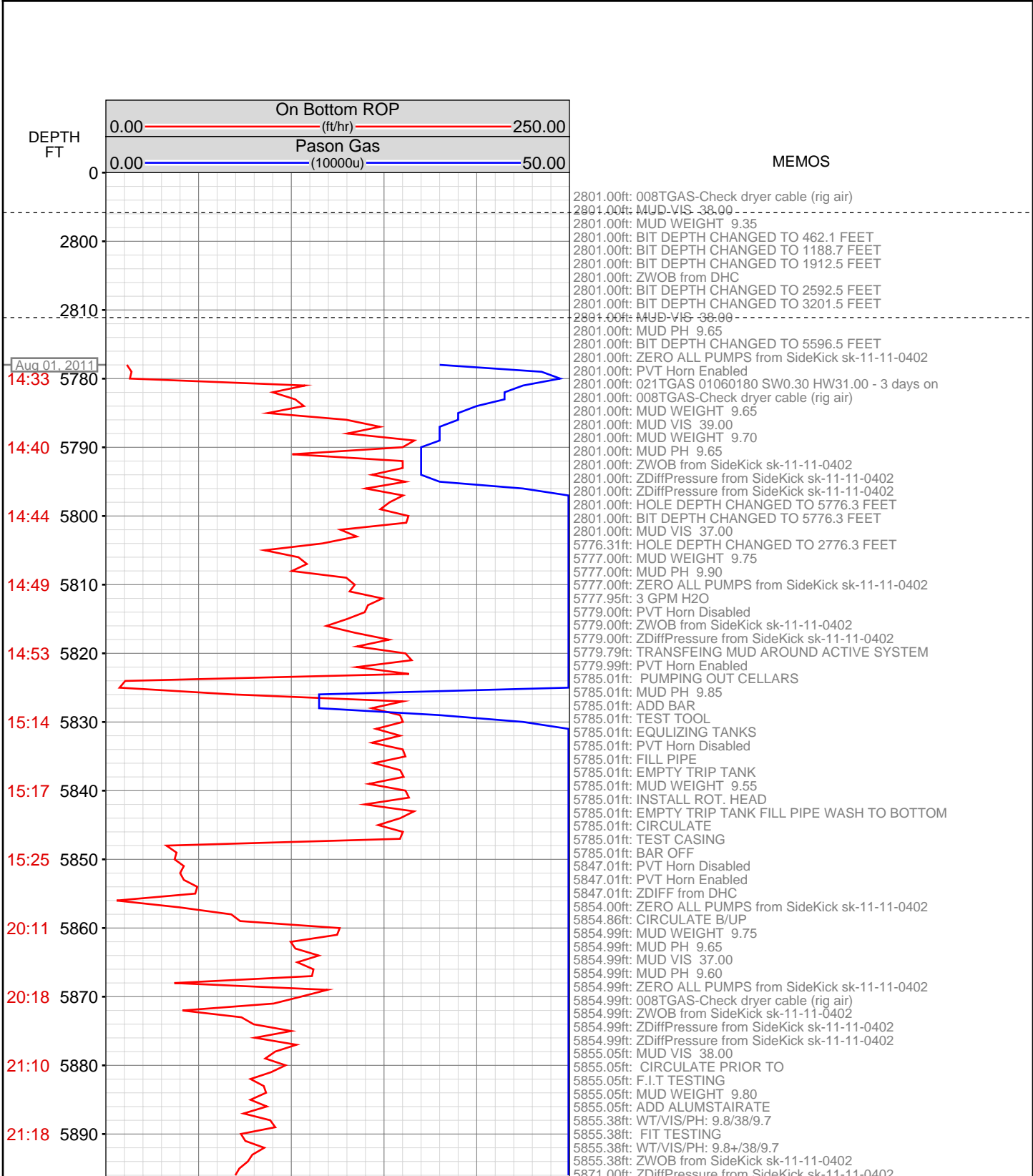
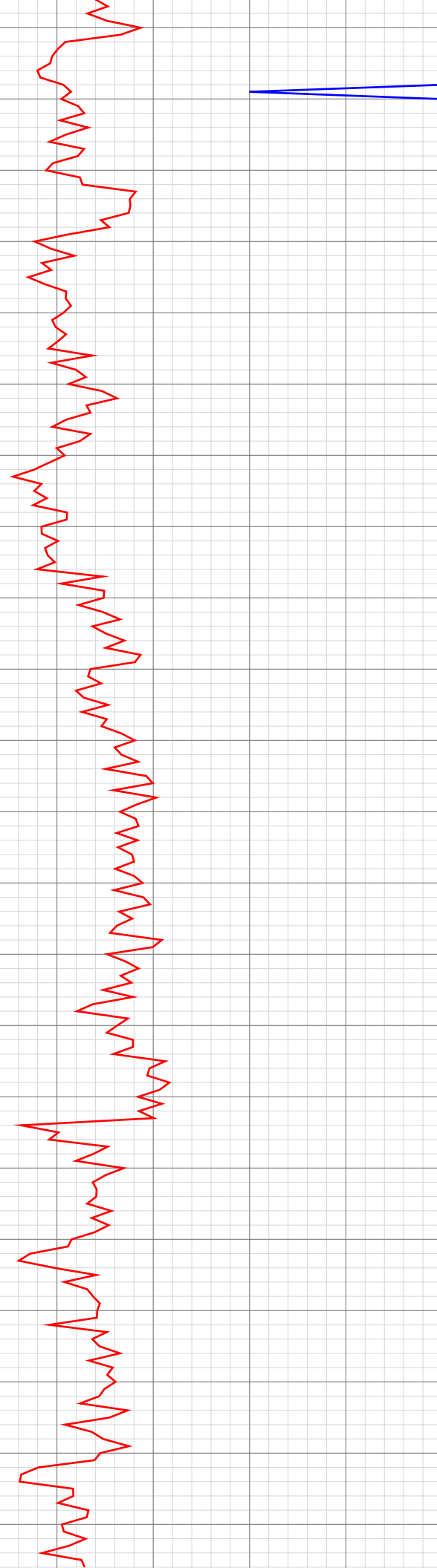


<b>OPERATOR:</b> EnCana Oil & Gas (USA), Inc.	<b>CONTRACTOR:</b> Patterson-UTI Drilling Company
<b>WELL:</b> ORCHARD UNIT 23-10HM LONG STRING	<b>UNIQUE WELL ID:</b>
<b>FIELD:</b>	<b>SPUD DATE:</b> Aug 01, 2011 19:30
<b>LOCATION:</b>	<b>RELEASE DATE:</b> Sep 05, 2011 06:00
<b>COUNTRY:</b> USA	
<b>RIG:</b> Pat-UTI 330	

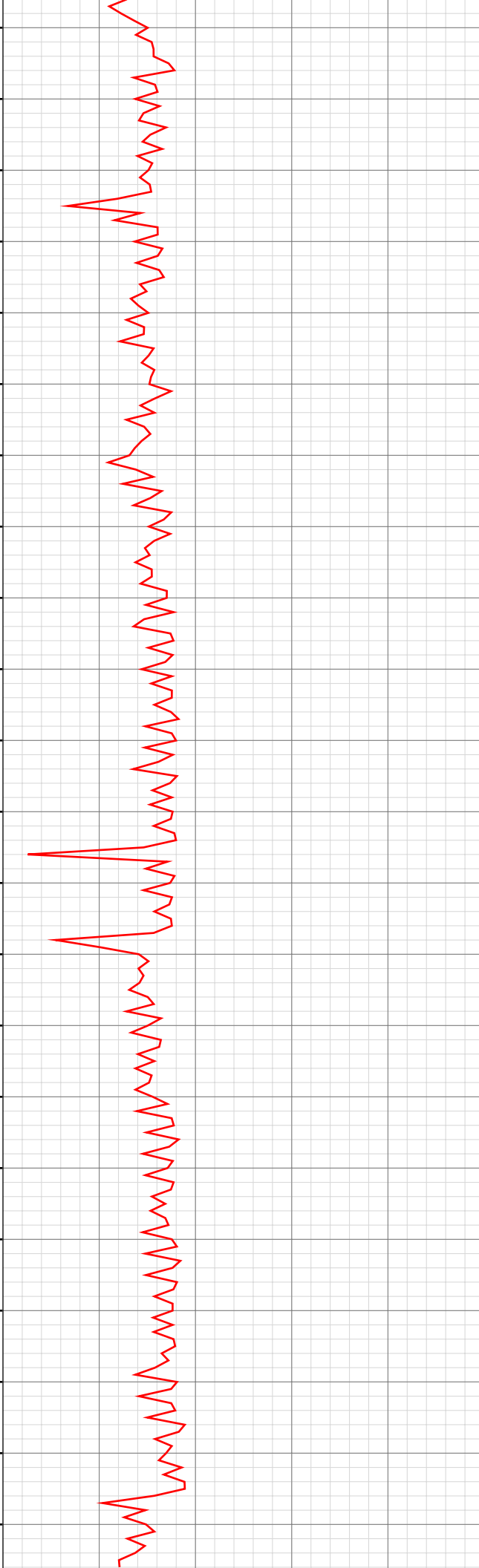


21:25 5900  
21:36 5910  
21:47 5920  
21:57 5930  
22:10 5940  
22:20 5950  
22:30 5960  
Aug 02, 2011  
01:54 5970  
02:30 5980  
02:37 5990  
02:45 6000  
02:52 6010  
02:59 6020  
03:06 6030  
03:14 6040  
03:19 6050  
04:47 6060  
04:56 6070  
05:19 6080  
05:28 6090  
05:35 6100  
06:13 6110



5871.00ft: WT/VIS/PH: 9.8/37/9.9  
5871.03ft: WT/VIS/PH: 9.8/37/9.9  
5871.03ft: DOWNLINK POWERDRIVE  
5871.03ft: Connection at 5872.1  
5904.59ft: WT/VIS/PH: 9.8/37/9.9  
5908.27ft: ADDING DEFOAMER  
5909.22ft: PERFORMING FIT TEST AT 1850HRS  
5959.88ft: WT/VIS/PH: 9.7/36/10.00  
5962.01ft: PVT Horn Disabled  
5962.01ft: ZWOB from SideKick sk-11-11-0402  
5962.01ft: ZDiffPressure from SideKick sk-11-11-0402  
5962.01ft: 008TGAS-Check dryer cable (rig air)  
5962.01ft: ZDiffPressure from SideKick sk-11-11-0402  
5962.01ft: ZWOB from SideKick sk-11-11-0402  
5962.01ft: ZWOB from SideKick sk-11-11-0402  
5962.17ft: Connection at 5962.8  
5962.17ft: WT/VIS/PH: 9.6/36/9.9  
5962.17ft: WT/VIS/PH: 9.7/36/9.8  
5962.17ft: DOWN LINKING  
5962.17ft: WT/VIS/PH: 9.7/36/9.9  
5964.99ft: PVT Horn Enabled  
5975.00ft: PVT Horn Disabled  
5977.00ft: PVT Horn Enabled  
5981.14ft: WT/VIS/PH: 9.6/37/9.8  
6052.99ft: PVT Horn Disabled  
6052.99ft: ZDiffPressure from SideKick sk-11-11-0402  
6052.99ft: ZWOB from SideKick sk-11-11-0402  
6053.77ft: TRANSFERING FROM PILL TO ACTIVE  
6053.77ft: Connection at 6053.5  
6053.77ft: WT/VIS/PH: 9.6/36/9.9  
6066.01ft: PVT Horn Enabled  
6071.00ft: PVT Horn Disabled  
6071.00ft: ZWOB from SideKick sk-11-11-0402  
6071.00ft: ZDiffPressure from SideKick sk-11-11-0402  
6074.02ft: PVT Horn Enabled  
6074.97ft: PUMPING OUT CELLAR  
6100.98ft: PVT Horn Disabled  
6100.98ft: 008TGAS-Check dryer cable (rig air)  
6100.98ft: ZWOB from SideKick sk-11-11-0402  
6100.98ft: ZDiffPressure from SideKick sk-11-11-0402  
6101.74ft: ZWOB from SideKick sk-11-11-0402  
6102.99ft: PVT Horn Enabled

06:23 6120  
06:32 6130  
06:40 6140  
07:13 6150  
07:21 6160  
07:29 6170  
07:39 6180  
07:47 6190  
07:54 6200  
08:01 6210  
08:08 6220  
08:16 6230  
08:42 6240  
09:26 6250  
09:35 6260  
09:43 6270  
09:51 6280  
09:58 6290  
10:04 6300  
10:12 6310  
10:19 6320  
10:46 6330



6144.00ft: PVT Horn Disabled  
6144.00ft: MUD VIS 35.00  
6144.00ft: MUD WEIGHT 9.95  
6144.00ft: MUD PH 9.90  
6144.00ft: ZDiffPressure from SideKick sk-11-11-0402  
6144.00ft: ZWOB from SideKick sk-11-11-0402  
6144.00ft: PVT Horn Enabled  
6144.85ft: SPR  
6144.85ft: Connection at 6144.3 ROTATING

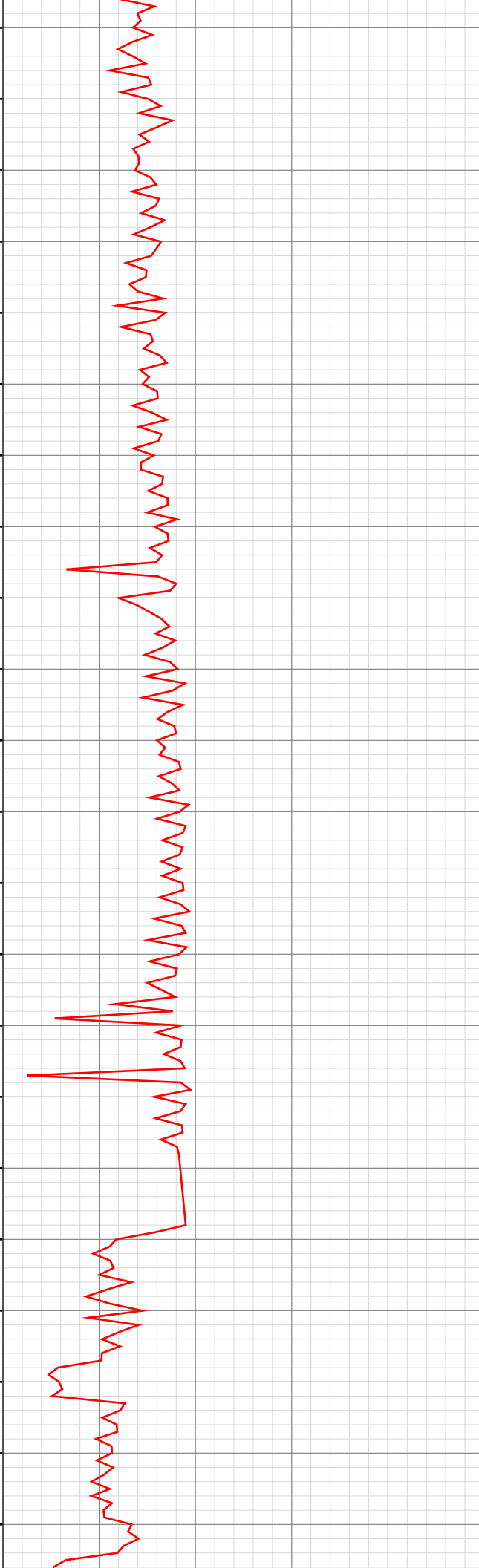
6191.99ft: MUD VIS 35.00  
6191.99ft: MUD WEIGHT 9.95  
6191.99ft: MUD PH 9.85

6235.01ft: PVT Horn Disabled  
6235.01ft: PVT Horn Enabled  
6235.86ft: Connection at 6235.1 ROTATING

6246.00ft: Pull one stand to Downlink PowerDrive  
6247.01ft: MUD WEIGHT 9.90  
6247.01ft: MUD PH 9.80  
6247.01ft: PVT Horn Disabled  
6247.21ft: Downlinking to PowerDrive  
6247.21ft: MUD VIS 35.00  
6247.21ft: PVT Horn Enabled

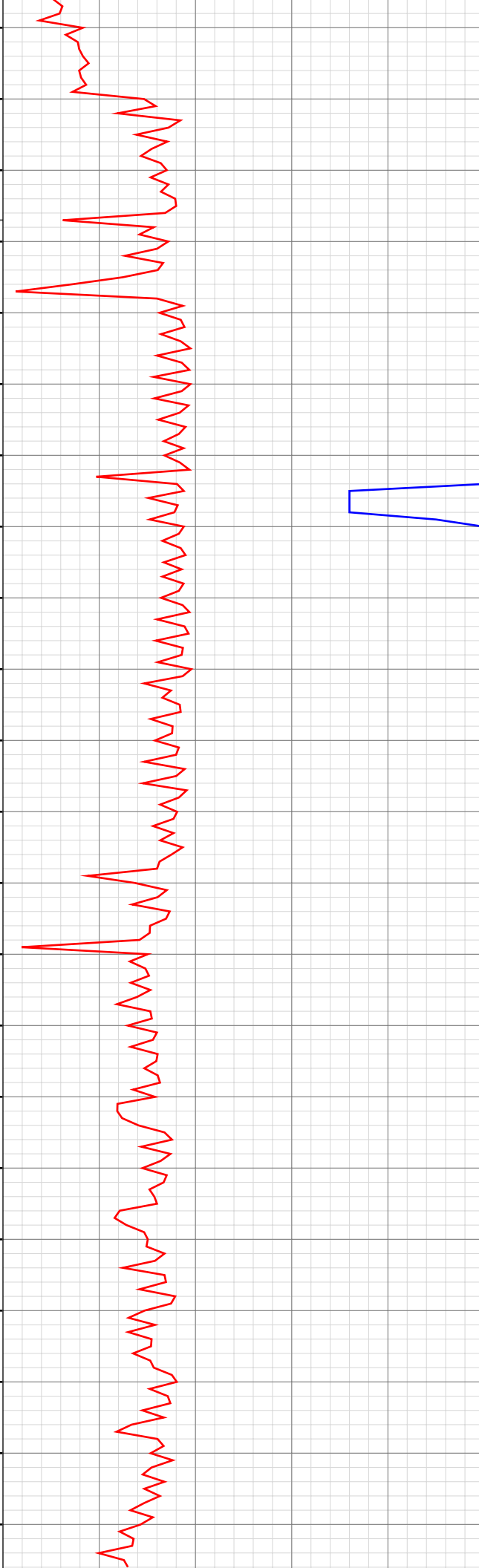
6325.98ft: MUD WEIGHT 9.95  
6325.98ft: MUD PH 9.95  
6325.98ft: ZWOB from SideKick sk-11-11-0402  
6325.98ft: ZDiffPressure from SideKick sk-11-11-0402  
6325.98ft: ZWOB from SideKick sk-11-11-0402  
6326.87ft: MUD VIS 35.00  
6326.87ft: Connection at 6325.8 ROTATING

10:54 6340  
11:02 6350  
11:11 6360  
11:18 6370  
11:29 6380  
11:37 6390  
11:45 6400  
11:52 6410  
12:21 6420  
12:29 6430  
12:36 6440  
12:42 6450  
12:49 6460  
12:56 6470  
13:10 6480  
13:21 6490  
16:05 6500  
16:06 6510  
16:17 6520  
16:34 6530  
16:46 6540  
16:56 6550



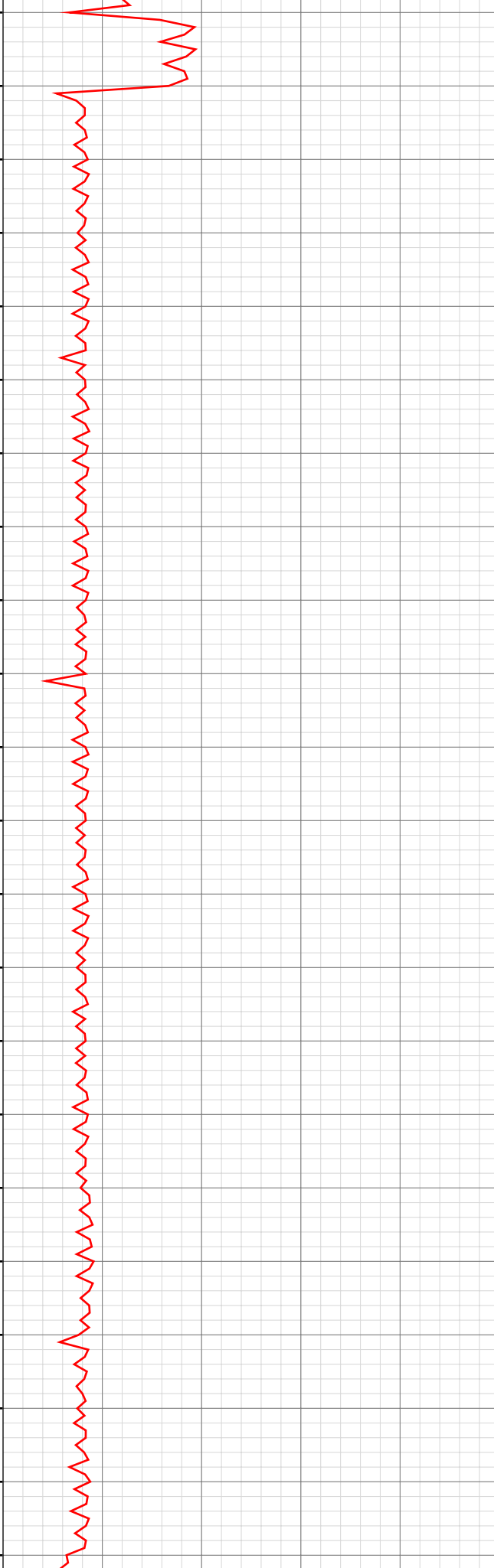
6373.00ft: MUD WEIGHT 10.00  
6373.00ft: MUD PH 9.80  
6373.29ft: MUD VIS 36.00  
6404.00ft: 021TGAS 01060180 SW0.30 HW31.00 - 4 days on  
6404.00ft: 008TGAS-Check dryer cable (rig air)  
6414.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
6414.99ft: ZDiffPressure from SideKick sk-11-11-0402  
6415.12ft: Connection at 6416.5 ROTATING  
6431.99ft: MUD VIS 36.00  
6431.99ft: MUD WEIGHT 10.00  
6431.99ft: MUD PH 9.70  
6467.19ft: PUMP CELLARS OUT  
6498.00ft: RIG SERVICE  
6498.00ft: MUD VIS 35.00  
6498.00ft: MUD WEIGHT 9.95  
6498.00ft: BIT DEPTH CHANGED TO 6417.0 FEET  
6498.00ft: BIT DEPTH CHANGED TO 6487.0 FEET  
6498.00ft: MUD VIS 35.00  
6498.00ft: MUD WEIGHT 10.05  
6498.00ft: MUD PH 9.60  
6498.00ft: ZDiffPressure from SideKick sk-11-11-0402  
6498.00ft: ZWOB from SideKick sk-11-11-0402  
6498.00ft: HOLE DEPTH CHANGED TO 6507.5 FEET  
6498.00ft: BIT DEPTH CHANGED TO 6507.5 FEET  
6498.16ft: PVT Horn Disabled  
6498.16ft: FILL TRIP TANK MUD PH 9.65  
6498.16ft: TRANSFER ACTIVE TO PILL TANK  
6498.16ft: Connection at 6507.3 SURVEY ROTATING  
6510.99ft: PVT Horn Enabled  
6523.85ft: PUMP OUT CELLAR  
6554.99ft: ZDiffPressure from SideKick sk-11-11-0402  
6557.84ft: TRANSFER FROM PILL TANK TO ACTIVE  
6565.16ft: TRANSFER FROM ACTIVE TO PREMIX\  
6585.99ft: 008TGAS-Check dryer cable (rig air)  
6585.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
6585.99ft: HGAS\_026: LOCATION3 Low LEL Alarm  
6585.99ft: HGAS\_027: LOCATION3 High LEL Alarm  
6585.99ft: HGAS\_004: Horn Muted  
6585.99ft: HGAS\_026: LOCATION3 Low LEL Alarm  
6585.99ft: HGAS\_004: Horn Muted  
6585.99ft: HGAS\_004: Horn Muted  
6585.99ft: PVT Horn Enabled  
6585.99ft: HGAS\_026: LOCATION3 Low LEL Alarm  
6585.99ft: HGAS\_004: Horn Muted  
6585.99ft: HGAS\_026: LOCATION3 Low LEL Alarm  
6585.99ft: HGAS\_004: Horn Muted  
6585.99ft: HGAS\_026: LOCATION3 Low LEL Alarm  
6585.99ft: HGAS\_004: Horn Muted  
6585.99ft: HGAS\_027: LOCATION3 High LEL Alarm  
6585.99ft: HGAS\_004: Horn Muted  
6585.99ft: PVT Horn Disabled  
6585.99ft: PVT Horn Enabled  
6585.99ft: 008TGAS-Check dryer cable (rig air)  
6585.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
6585.99ft: MUD WEIGHT 11.20  
6585.99ft: MUD PH 9.40  
6585.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
6585.99ft: MUD VIS 35.00  
6585.99ft: MUD WEIGHT 11.20  
6585.99ft: MUD PH 9.80  
6585.99ft: ZDiffPressure from SideKick sk-11-11-0402  
6585.99ft: ZWOB from SideKick sk-11-11-0402  
6585.99ft: ZWOB from SideKick sk-11-11-0402  
6585.99ft: ZDiffPressure from SideKick sk-11-11-0402  
6586.58ft: FLOW CHECK  
6586.58ft: ZDiffPressure from SideKick sk-11-11-0402  
6586.58ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
6586.58ft: TRANSFERING MUD FROM ACTIVE TO UPRIGHT  
6586.58ft: HGAS\_027: LOCATION3 High LEL Alarm  
6586.58ft: PVT Horn Disabled HGAS\_027: LOCATION3 High LEL Alarm  
6586.58ft: FLOW CHECKING  
6586.58ft: 008TGAS-Check dryer cable (rig air)  
6586.58ft: MUD WT 11.2 IN&OUT  
6586.58ft: MUD VIS 35.00  
6586.58ft: MUD OUT 37 VIS 11.1+  
6586.58ft: M/W OUT 11.1 +  
6586.58ft: SHUT WELL IN TO MONITOR PRESSURES  
6586.58ft: FLOW CHECK THROUGH CHOKE  
6586.58ft: FLOW CHECK ON FLOW LINE  
6586.58ft: TAKE SLOW PUMP RATES  
6586.58ft: ROUTE THROUGH GAS BUSTER  
6596.00ft: PVT Horn Disabled  
6596.00ft: MUD VIS 35.00  
6596.00ft: MUD WEIGHT 11.25  
6596.00ft: MUD PH 9.80  
6596.00ft: ZDiffPressure from SideKick sk-11-11-0402  
6596.00ft: ZWOB from SideKick sk-11-11-0402  
6596.00ft: PVT Horn Enabled  
6596.72ft: Connection at 6598.2  
6596.72ft: TRANSFER FROM PREMIX TO ACTIVE  
6610.66ft: TRANSFER PREMIX/ACTIVE  
6622.01ft: PVT Horn Disabled  
6622.01ft: 021TGAS 01060180 SW0.30 HW31.00 - 5 days on  
6622.01ft: 008TGAS-Check dryer cable (rig air)  
6622.01ft: ZWOB from SideKick sk-11-11-0402  
6622.01ft: PVT Horn Enabled  
6622.21ft: FLOW CHECK  
6622.21ft: M/W 11.2 MV 35  
6622.21ft: ZDiffPressure from SideKick sk-11-11-0402  
6635.99ft: PVT Horn Disabled  
6643.24ft: MW IN 11.2 PH 10.0 OUT MW 11.2  
6647.01ft: PVT Horn Enabled  
6677.99ft: PVT Horn Disabled

17:15 6560  
17:29 6570  
17:38 6580  
Aug 03, 2011  
10:27 6590  
11:03 6600  
11:10 6610  
11:17 6620  
12:28 6630  
12:35 6640  
12:41 6650  
12:48 6660  
12:55 6670  
14:21 6680  
14:50 6690  
14:57 6700  
15:05 6710  
15:14 6720  
15:23 6730  
15:31 6740  
15:38 6750  
15:45 6760  
15:53 6770



6677.99ft: ZWOB from SideKick sk-11-11-0402  
6677.99ft: ZDiffPressure from SideKick sk-11-11-0402  
6677.99ft: PVT Horn Enabled  
6678.77ft: PUMPING OUT CELLAR  
6678.77ft: MW 11.2 PH 10.0 MV 34 OUT MW2 11.2  
6678.77ft: CHANGING ROT HEAD RUBBER  
6685.93ft: Connection at 6689.0  
6686.81ft: PVT Horn Disabled  
6687.99ft: ZDiffPressure from SideKick sk-11-11-0402  
6688.03ft: ZWOB from SideKick sk-11-11-0402  
6688.03ft: PVT Horn Enabled  
6705.18ft: MW 11.1+ PH 10.0 V 36-OUT MW 11.1  
6775.98ft: PVT Horn Disabled  
6776.35ft: Connection at 6779.9  
6779.00ft: ZWOB from SideKick sk-11-11-0402  
6779.00ft: ZDiffPressure from SideKick sk-11-11-0402  
6789.99ft: PVT Horn Enabled  
6789.99ft: PVT Horn Disabled  
6789.99ft: MUD VIS 35.00  
6789.99ft: MUD PH 10.00  
6789.99ft: ZDiffPressure from SideKick sk-11-11-0402  
6789.99ft: ZWOB from SideKick sk-11-11-0402  
6789.99ft: PVT Horn Enabled  
6790.19ft: DOWNLINK POWERDRIVE  
6790.19ft: MUD WEIGHT 11.25  
6824.02ft: MUD VIS 35.00  
6824.02ft: MUD WEIGHT 11.20  
6824.02ft: MUD PH 10.00  
6825.98ft: PVT Horn Disabled  
6825.98ft: 008TGAS-Check dryer cable (rig air)  
6825.98ft: ZDiffPressure from SideKick sk-11-11-0402  
6825.98ft: PVT Horn Enabled  
6826.02ft: ZWOB from SideKick sk-11-11-0402  
6841.60ft: ZDIFF from DHC  
6860.01ft: MUD PH 10.00  
6860.33ft: MUD VIS 35.00  
6860.53ft: MUD WEIGHT 11.25  
6870.01ft: PVT Horn Disabled  
6870.01ft: PVT Horn Enabled  
6870.01ft: PVT Horn Disabled  
6870.31ft: Connection at 6870.7  
6870.31ft: PVT Horn Enabled  
6873.00ft: ZDIFF from DHC  
6885.99ft: MUD VIS 35.00  
6885.99ft: MUD WEIGHT 11.30  
6887.01ft: MUD PH 10.00  
6887.01ft: ZDIFF from DHC  
6907.91ft: SURVEY 6824 ft 12.27 154.62  
6916.04ft: IN TALLY: HOLE DEPTH SET TO 6916.1  
6916.04ft: DOWNLINK TO POWERDRIVE  
6916.04ft: SURVEY 6870 ft 13.42 157.38  
6916.99ft: PVT Horn Disabled  
6916.99ft: ZWOB from DHC  
6916.99ft: ZWOB from SideKick sk-11-11-0402  
6916.99ft: PVT Horn Enabled  
6920.01ft: MUD VIS 37.00  
6920.01ft: MUD WEIGHT 11.30  
6920.01ft: MUD PH 10.00  
6934.09ft: TURN ON DESANDER/DESILTER  
6960.01ft: MUD VIS 36.00  
6960.01ft: MUD WEIGHT 11.30  
6960.01ft: MUD PH 10.10  
6960.01ft: PVT Horn Disabled  
6960.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
6960.01ft: HOOK LOAD HIGH RECALIBRATED  
6960.01ft: ZWOB from DHC  
6960.27ft: Connection at 6961.4  
6960.27ft: SURVEY 6915 ft 14.54 159.42  
6960.89ft: PVT Horn Enabled  
6991.08ft: TRANSFER VOL. F/PILL T/ACTIVE  
7006.99ft: PVT Horn Disabled  
7006.99ft: 008TGAS-Check dryer cable (rig air)  
7006.99ft: MUD VIS 40.00  
7006.99ft: MUD WEIGHT 11.35  
7006.99ft: MUD PH 10.10  
7007.51ft: SURVEY 6960 ft 16.29 158.73  
7015.32ft: ZDIFF from DHC  
7016.08ft: ZWOB from SideKick sk-11-11-0402  
7021.00ft: PVT Horn Enabled  
7029.99ft: MUD VIS 38.00  
7029.99ft: MUD WEIGHT 11.30  
7034.58ft: PUMPING OUT CELLAR  
7050.00ft: PVT Horn Disabled  
7050.00ft: PVT Horn Enabled  
7050.00ft: ZWOB from SideKick sk-11-11-0402  
7050.53ft: Connection at 7052.1  
7055.68ft: SURVEY 7006 ft 18.24 158.20  
7056.99ft: MUD VIS 38.00  
7057.71ft: MUD WEIGHT 11.35  
7097.01ft: PVT Horn Disabled  
7097.01ft: ZDiffPressure from SideKick sk-11-11-0402  
7097.38ft: DOWNLINK T/POWERDRIVE  
7097.38ft: SURVEY 7051 ft 19.26 153.24  
7097.38ft: ZWOB from SideKick sk-11-11-0402  
7101.87ft: PVT Horn Enabled  
7127.23ft: WT. 11.3/VIS. 40  
7131.99ft: 008TGAS-Check dryer cable (rig air)  
7139.99ft: PVT Horn Disabled  
7140.65ft: Connection at 7142.8  
7141.01ft: ZDiffPressure from SideKick sk-11-11-0402  
7141.01ft: PVT Horn Enabled  
7141.54ft: SURVEY 7096 ft 20.28 149.86  
7141.54ft: ZWOB from SideKick sk-11-11-0402  
7141.54ft: STARTING DEFOAMER  
7145.01ft: ZWOB from SideKick sk-11-11-0402  
7145.93ft: BOP DRILL  
7151.02ft: MV 37, MW 11.4 PH 10.0  
7187.99ft: PVT Horn Disabled  
7187.99ft: ZWOB from SideKick sk-11-11-0402  
7187.99ft: ZWOB from SideKick sk-11-11-0402  
7187.99ft: ZDiffPressure from SideKick sk-11-11-0402  
7187.99ft: ZWOB from SideKick sk-11-11-0402  
7187.99ft: MUD VIS 36.00

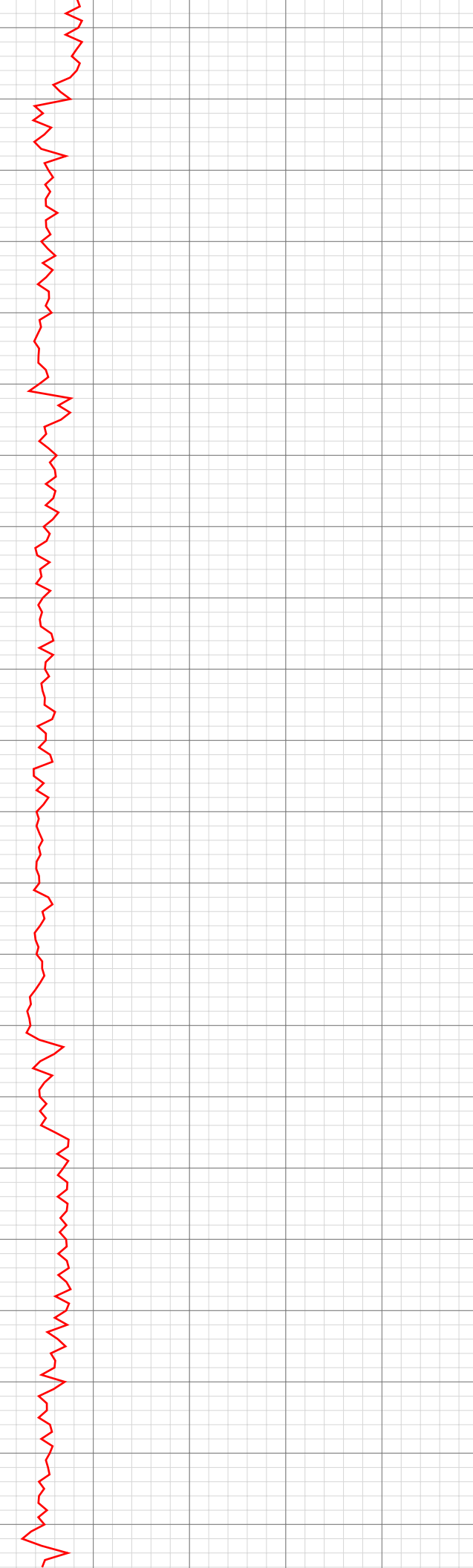
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19:01 6870  
19:44 6880  
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23:16 6990

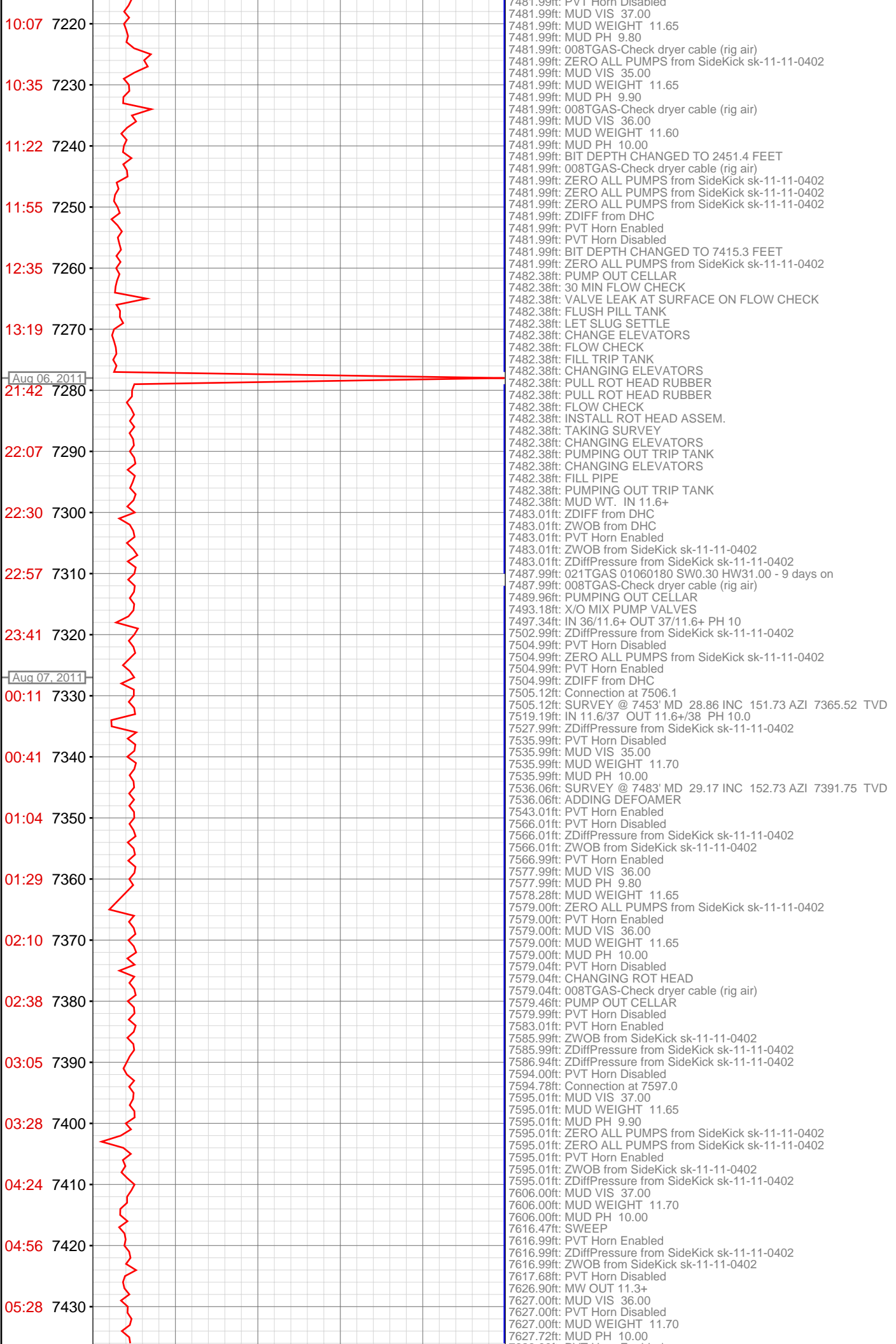


7187.99ft: MUD WEIGHT 11.40  
7187.99ft: PVT Horn Enabled  
7188.16ft: SURVEY  
7188.45ft: OFF GAS BUSTER  
7188.45ft: TAKE SPR'S  
7188.45ft: MUD PH 10.00  
7210.99ft: MUD VIS 36.00  
7210.99ft: MUD PH 10.00  
7211.75ft: MUD WEIGHT 11.40  
7218.44ft: PUMPING OUT CELLAR  
7219.13ft: TRANSFER TO ACTIVE  
7229.99ft: MUD VIS 38.00  
7229.99ft: MUD WEIGHT 11.40  
7229.99ft: MUD PH 9.90  
7231.99ft: PVT Horn Disabled  
7231.99ft: PVT Horn Enabled  
7231.99ft: ZDiffPressure from SideKick sk-11-11-0402  
7232.19ft: Connection at 7233.5  
7232.55ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7232.55ft: SURVEY 7187MD 22.50inc 150.24azm  
7232.55ft: ZWOB from SideKick sk-11-11-0402  
7237.99ft: PVT Horn Disabled  
7241.01ft: PVT Horn Disabled  
7241.50ft: DOWNLINK POWERDRIVE  
7242.91ft: PUMPING MUD OVER FROM BOS UNIT  
7247.01ft: MUD VIS 37.00  
7247.01ft: MUD WEIGHT 11.30  
7247.01ft: MUD PH 10.00  
7247.01ft: PVT Horn Enabled  
7248.00ft: 021TGAS 01060180 SW0.30 HW31.00 - 6 days on  
7248.00ft: 008TGAS-Check dryer cable (rig air)  
7249.41ft: TRANSFER FROM ACTIVE TO PILL  
7262.99ft: ZWOB from SideKick sk-11-11-0402  
7265.98ft: TRANSFER FROM PILL TO ACTIVE  
7267.22ft: TRANSFER FROM ACTIVE TO PILL  
7267.45ft: ON GAS BUSTER  
7274.90ft: TESTING FLOW SENSOR  
7277.99ft: WT.'S IN 11.6/OUT 11.6  
7277.99ft: ZDIFF from DHC  
7277.99ft: DOWNLINK TO POWER DRIVE  
7277.99ft: IN 39/11.6 OUT 38/11.6 PH 9.9  
7279.00ft: PVT Horn Disabled  
7279.00ft: MUD VIS 38.00  
7279.00ft: MUD WEIGHT 11.40  
7279.00ft: MUD PH 9.90  
7279.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7279.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7279.00ft: 008TGAS-Check dryer cable (rig air)  
7279.00ft: MUD WEIGHT 11.30  
7279.00ft: 012TGAS-Analyzer air pressure low, check air supply. Standby  
7279.00ft: 008TGAS-Check dryer cable (rig air)  
7279.00ft: 003TGAS-Manual flush  
7279.00ft: ZWOB from SideKick sk-11-11-0402  
7279.00ft: ZDiffPressure from SideKick sk-11-11-0402  
7279.00ft: 003TGAS-Manual flush  
7279.00ft: 008TGAS-Check dryer cable (rig air)  
7279.00ft: ZDIFF from DHC  
7279.00ft: ZWOB from DHC  
7279.00ft: PVT Horn Enabled  
7279.00ft: MUD VIS 41.00  
7279.00ft: MUD WEIGHT 11.50  
7279.00ft: MUD PH 9.80  
7279.00ft: PVT Horn Disabled  
7279.00ft: MUD VIS 39.00  
7279.00ft: MUD WEIGHT 11.60  
7279.00ft: 008TGAS-Check dryer cable (rig air)  
7279.00ft: MUD VIS 39.00  
7279.00ft: MUD WEIGHT 11.60  
7279.00ft: MUD PH 9.90  
7279.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7279.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7279.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7279.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7279.00ft: 008TGAS-Check dryer cable (rig air)  
7279.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7279.00ft: ZDIFF from DHC  
7279.00ft: ZDIFF from DHC  
7279.00ft: ZDIFF from DHC  
7279.00ft: ZWOB from DHC  
7279.00ft: ZDIFF from DHC  
7279.00ft: PVT Horn Enabled  
7279.00ft: PVT Horn Disabled  
7279.00ft: 008TGAS-Check dryer cable (rig air)  
7279.00ft: MUD VIS 38.00  
7279.00ft: MUD WEIGHT 11.60  
7279.00ft: MUD PH 9.70  
7279.00ft: PVT Horn Disabled  
7279.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7279.00ft: 021TGAS 01060180 SW0.30 HW31.00 - 7 days on  
7279.00ft: 008TGAS-Check dryer cable (rig air)  
7279.00ft: 008TGAS-Check dryer cable (rig air)  
7279.00ft: BIT DEPTH CHANGED TO 1006.7 FEET  
7279.00ft: BIT DEPTH CHANGED TO 1727.0 FEET  
7279.00ft: MUD VIS 38.00  
7279.00ft: MUD WEIGHT 11.55  
7279.00ft: MUD PH 9.80  
7279.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7279.00ft: 008TGAS-Check dryer cable (rig air)  
7279.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7279.00ft: MUD VIS 36.00  
7279.00ft: MUD WEIGHT 11.60  
7279.00ft: MUD PH 9.90  
7279.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7279.00ft: ZDIFF from DHC  
7279.00ft: ZDIFF from DHC  
7279.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7279.00ft: ZDIFF from DHC  
7279.10ft: FLOW CHECK  
7279.10ft: MWI: 11.35 MWO: 11.3  
7279.10ft: MWI: 11.4 MWO: 11.3  
7279.10ft: MWI: 11.35 MWO: 11.3  
7279.10ft: MWI: 11.35 MWO: 11.3  
7279.10ft: PUMPING MUD FROM PILL BIT TO THE ACTIVE SYSTEM

7279.10ft: PUMPING MUD FROM PILL TANK TO THE ACTIVE SYSTEM  
7279.10ft: MWI: 11.6 MWO: 11.35  
7279.10ft: MWI: 11.6 MWO: 11.4  
7279.10ft: MWI: 11.6 MWO: 11.35  
7279.10ft: IN 11.6+/OUT 11.3+  
7279.10ft: MWI: 11.6 MWO: 11.5  
7279.10ft: IN 11.6+/OUT 11.7  
7279.10ft: IN 11.6/OUT 11.6+  
7279.10ft: WELL SHUT IN. MONITOR ON CHOKE  
7279.10ft: OPEN CHOKE/FLOWCHECK THROUGH CHOKE  
7279.10ft: CHANGE OUT PIPE SCREEN. MONITOR WELL ON TRIP TANK  
7279.10ft: 021TGAS 01060180 SW0.30 HW31.00 - 6 days on  
7279.10ft: IN WT. 11.6/OUT 11.5+  
7279.10ft: MUD WT. IN 11.6/OUT 11.7  
7279.10ft: X/O FBUSTER T/SHAKERS  
7279.10ft: WT. IN 11.6/OUT 11.6 VIS.38  
7279.10ft: FILLING TRIP TANK  
7279.10ft: 30 MIN FLOW CHECK  
7279.10ft: TRANSFER FROM ACTIVE TO PILL TANK  
7279.10ft: TESTING FLOW SENSOR  
7279.10ft: MUD PH 9.80  
7279.10ft: 30 MIN FLOW CHECK  
7279.10ft: PUMP OUT CELLAR  
7279.10ft: FLOW CHECK  
7279.10ft: TURNED HOPPER PUMP ON PITS  
7279.10ft: TURNED HOPPER PUMP OFF ON PITS  
7279.10ft: PUMPING OUT TRIP TANK  
7279.10ft: WELL SHUT IN ON CLOSED CHOKE  
7279.10ft: WT.'S IN/11.6 OUT/11.6  
7279.10ft: MWS IN/11.6 OUT/11.6  
7279.10ft: ADDING DEFOAMER  
7279.10ft: MWS IN/11.6 OUT/11.6  
7279.10ft: ZDIFF from DHC  
7279.10ft: MWS IN/11.6 OUT/11.6  
7279.10ft: TRANSFER VOL. F/ACTIVE T/SLUG TANK  
7279.10ft: FLUSH OUT PRE-MIX TANK  
7279.10ft: FLOW CHECK @ SHOE  
7279.10ft: ON TRIP TANK  
7279.10ft: WT.'S IN 11.6/OUT 11.6  
7279.10ft: ZDiffPressure from SideKick sk-11-11-0402  
7279.10ft: X/O ELEVATORS  
7279.10ft: MONITOR WELL ON TRIP TANK  
7279.10ft: X/O ELEVATORS  
7279.10ft: PULL ROT HEAD RUBBER  
7279.10ft: FLOW CHECK  
7279.10ft: TRANSFER F PREMIX TO ACTIVE  
7279.10ft: HANDLE DIR TOOLS, MONITOR WELL ON TRIP TANK  
7279.10ft: TRANSFER 30 BBLs FROM PILL TANK TO ACTIVE  
7279.10ft: TEST MWD TOOLS  
7279.10ft: CHANGE ELEVATORS  
7279.10ft: CIRCULATING BOTTOMS UP  
7279.10ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7279.10ft: CIRC B/U  
7279.10ft: RIG SERVICE  
7279.10ft: WT.'S IN 11.6 / OUT 11.6  
7279.10ft: EMPTY TRIP TANK 70+  
7279.10ft: WT.'S IN 11.6/OUT 11.6  
7281.33ft: PVT Horn Enabled  
7282.61ft: TAG BTM, NO FILL. CIRC BTM UP  
7285.01ft: ZDiffPressure from SideKick sk-11-11-0402  
7285.01ft: ZWOB from SideKick sk-11-11-0402  
7285.01ft: BIT DEPTH CHANGED TO 7269.4 FEET  
7285.01ft: HOLE DEPTH CHANGED TO 7278.0 FEET  
7285.01ft: ZWOB from DHC  
7285.01ft: ZWOB from DHC  
7285.01ft: 008TGAS-Check dryer cable (rig air)  
7285.01ft: ZDiffPressure from SideKick sk-11-11-0402  
7285.01ft: ZWOB from SideKick sk-11-11-0402  
7314.21ft: IN 39/11.6 38/11.6+  
7316.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
7316.99ft: ZWOB from SideKick sk-11-11-0402  
7316.99ft: ZDiffPressure from SideKick sk-11-11-0402  
7316.99ft: PVT Horn Enabled  
7317.19ft: PVT Horn Disabled  
7317.19ft: Connection at 7318.8  
7318.01ft: IN TALLY: HOLE DEPTH SET TO 7318.8  
7327.99ft: X/O FLOW F/BIG BUSTER TO SHAKERS  
7352.62ft: TURN ON DESANDER  
7354.99ft: SURVEY @ 7271' MD 23.59 INC 151.66 AZI 7202.69 TVD  
7358.50ft: WT.'S IN 11.6/OUT 11.6  
7360.99ft: IN TALLY: HOLE DEPTH SET TO 7364.2  
7360.99ft: PVT Horn Disabled  
7360.99ft: ZWOB from SideKick sk-11-11-0402  
7360.99ft: ZWOB from SideKick sk-11-11-0402  
7364.14ft: SURVEY  
7364.14ft: SURVEY @ 7317' MD 25.19 INC 152.91 AZI 7244.58 TVD  
7366.01ft: PVT Horn Enabled  
7388.45ft: X/O MIX PUMP VALVES  
7398.16ft: ADD DEFOAMER  
7399.02ft: 021TGAS 01060180 SW0.30 HW31.00 - 8 days on  
7399.02ft: 008TGAS-Check dryer cable (rig air)  
7400.10ft: WT.'S IN 11.6/OUT 11.6+ VIS 38  
7407.64ft: ZDIFF from DHC  
7408.01ft: PVT Horn Disabled  
7408.01ft: SURVEY @ 7362' MD 26.68 INC 152.97 AZI 7285.05 TVD  
7408.01ft: ZWOB from SideKick sk-11-11-0402  
7408.01ft: ZDiffPressure from SideKick sk-11-11-0402  
7408.01ft: ZWOB from SideKick sk-11-11-0402  
7408.01ft: PUMP PILL TO ACTIVE  
7408.99ft: ZDiffPressure from SideKick sk-11-11-0402  
7409.71ft: Connection at 7409.5  
7412.01ft: PVT Horn Enabled  
7415.45ft: IN/OUT 38/11.6 39/11.6  
7415.85ft: SWITCHING HOPPER VALVES  
7427.92ft: WT.'S IN 11.6+/OUT 11.6+  
7454.00ft: ZWOB from SideKick sk-11-11-0402  
7454.00ft: ZDiffPressure from SideKick sk-11-11-0402  
7454.86ft: PVT Horn Disabled  
7454.86ft: MW 11.6 + VIS 37 PH 10.1  
7470.44ft: ON GAS BUSTER  
7473.00ft: PVT Horn Enabled  
7479.99ft: MUD WEIGHT 11.65  
7484.99ft: PVT Horn Disabled

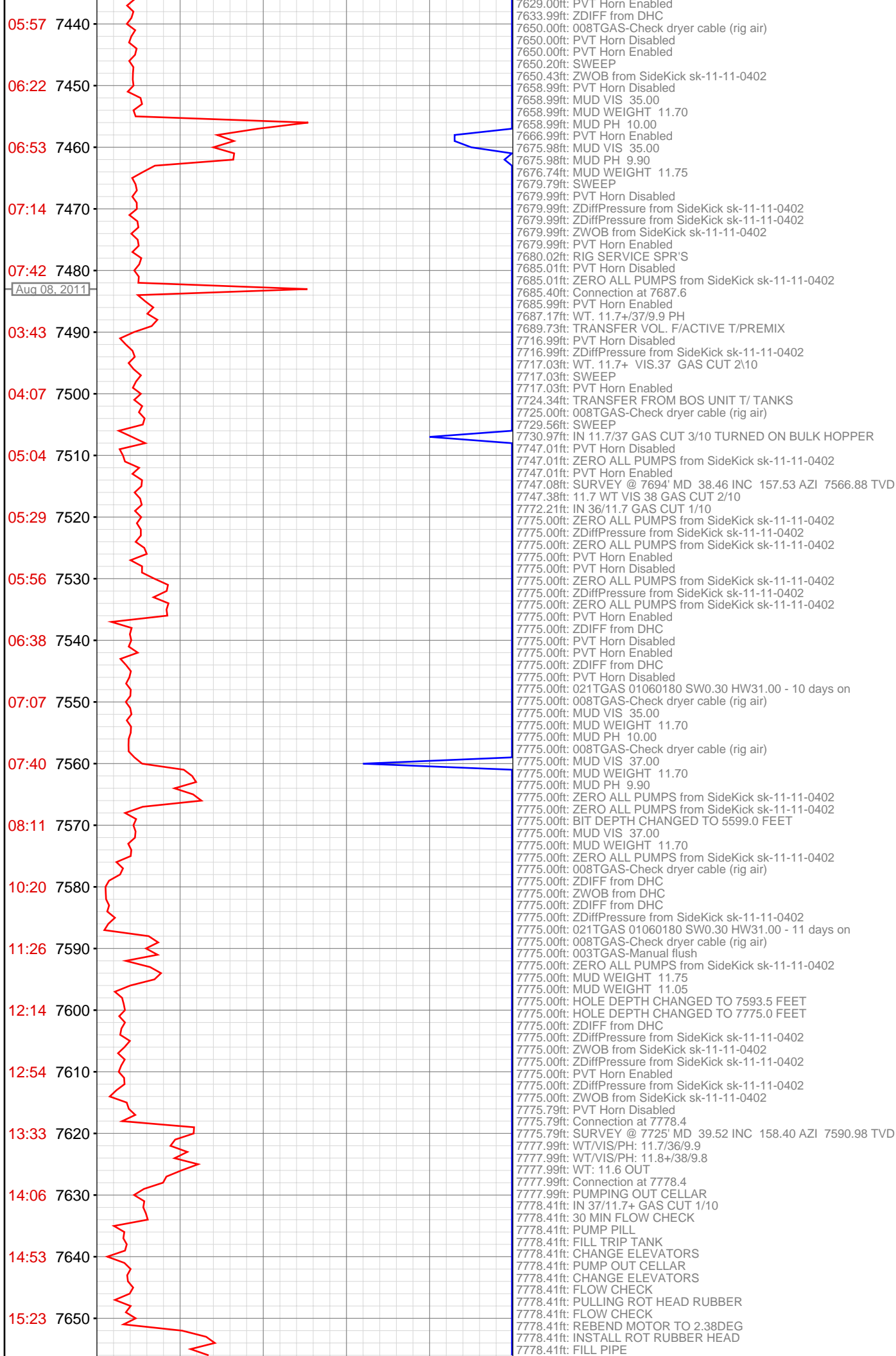
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09:39 7210

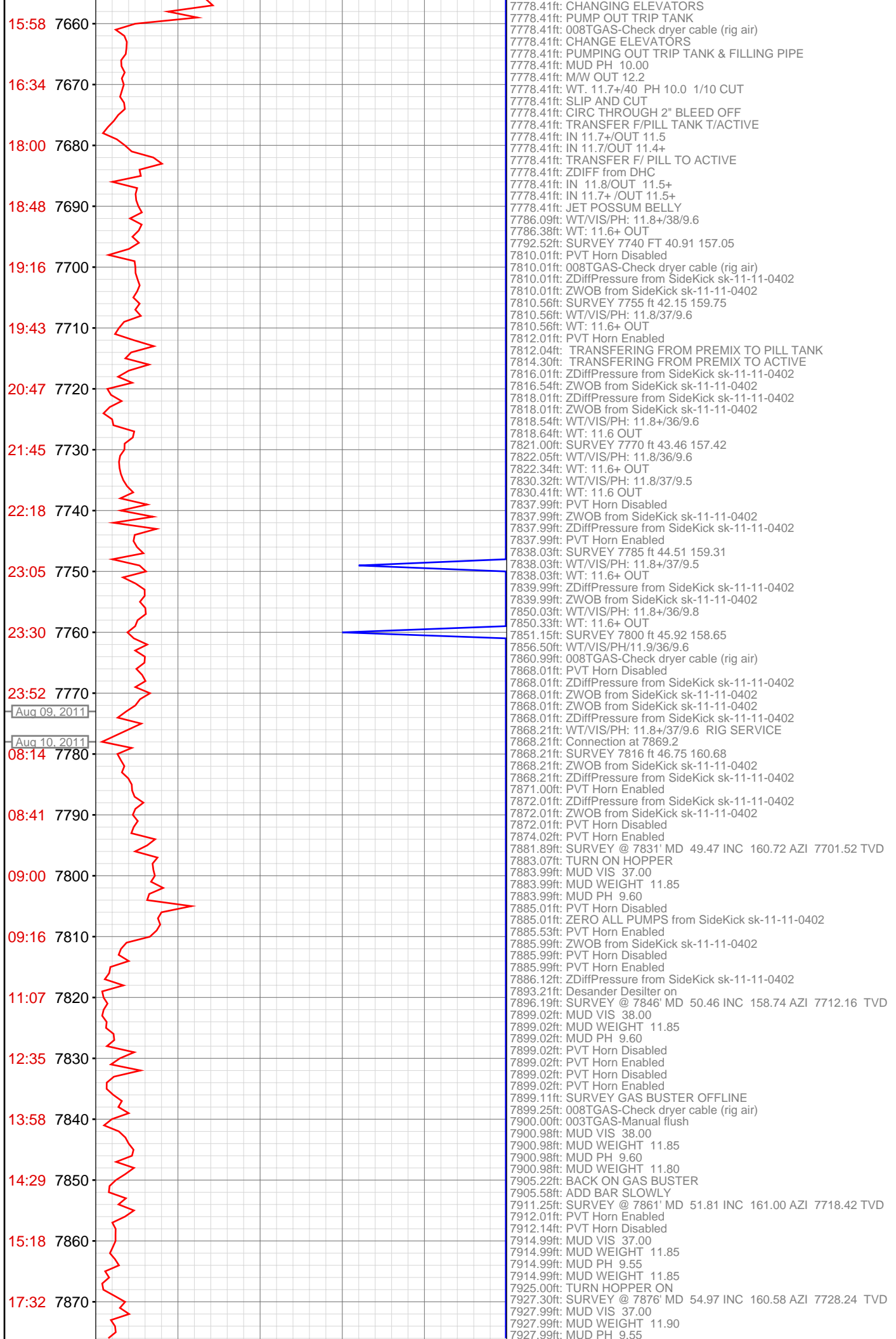


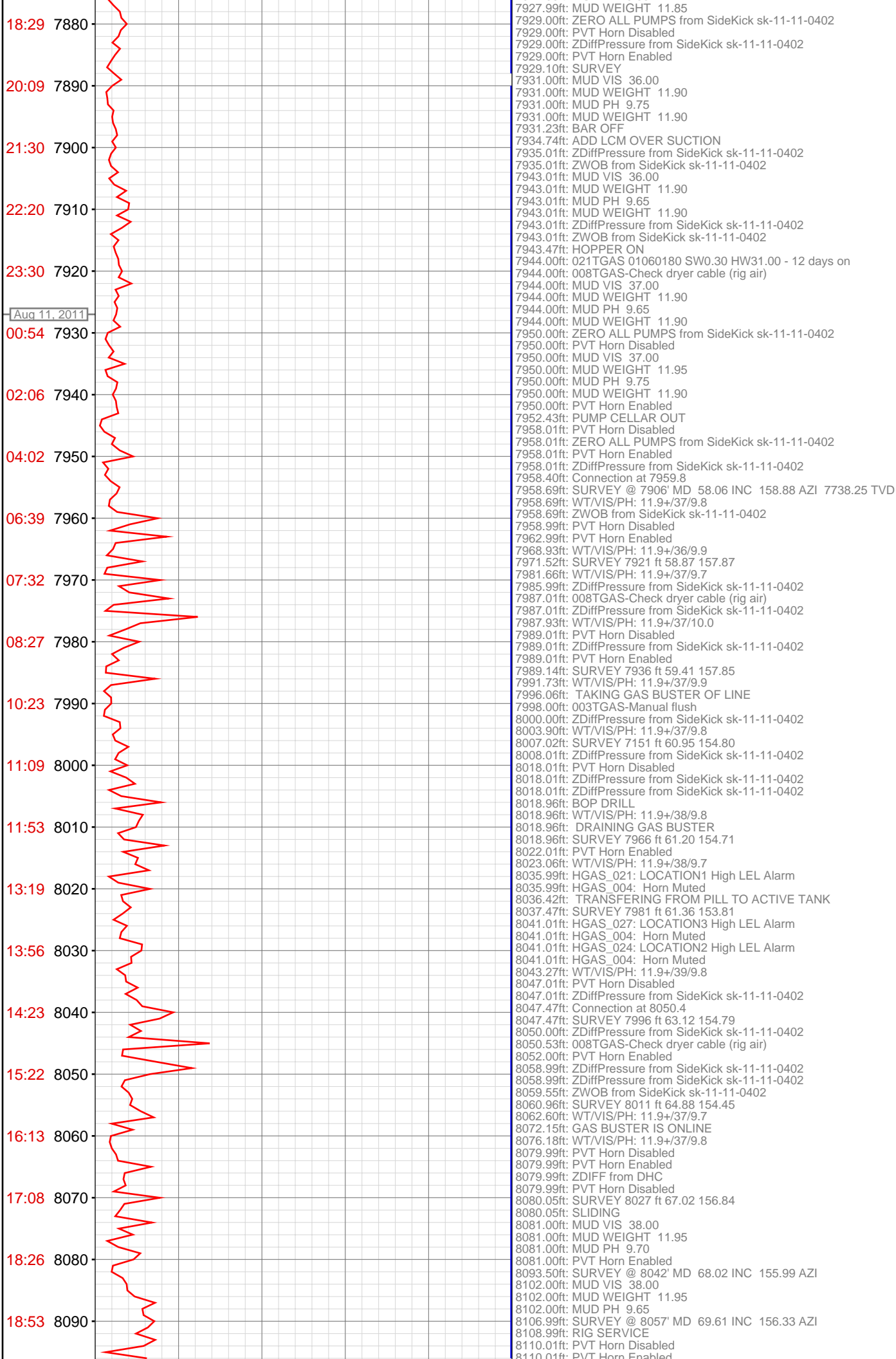


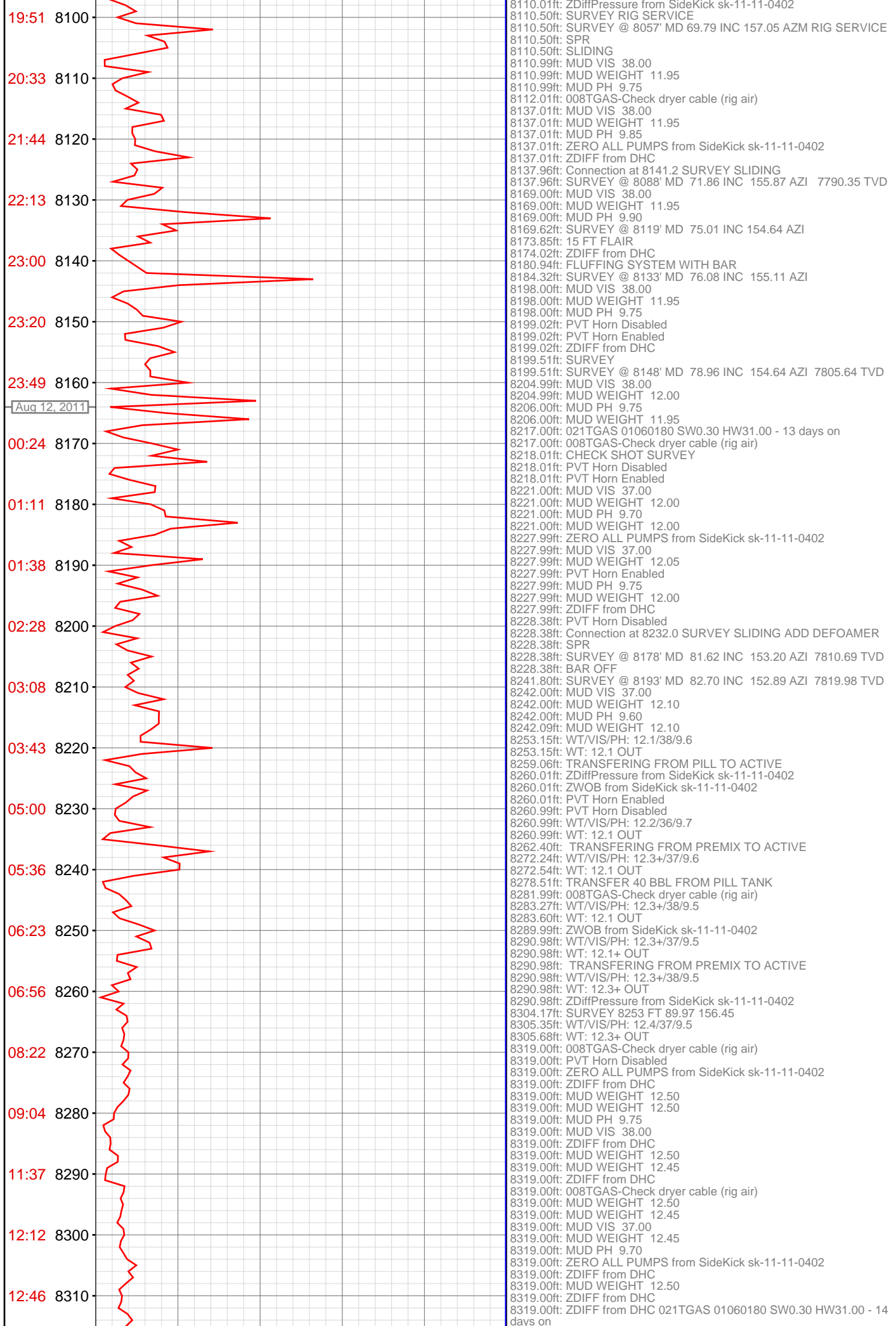
Aug 06, 2011

Aug 07, 2011









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 01:11 8180  
 01:38 8190  
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 03:43 8220  
 05:00 8230  
 05:36 8240  
 06:23 8250  
 06:56 8260  
 08:22 8270  
 09:04 8280  
 11:37 8290  
 12:12 8300  
 12:46 8310

8110.01ft: ZDiffPressure from SideKick sk-11-11-0402  
 8110.50ft: SURVEY RIG SERVICE  
 8110.50ft: SURVEY @ 8057' MD 69.79 INC 157.05 AZM RIG SERVICE  
 8110.50ft: SPR  
 8110.50ft: SLIDING  
 8110.99ft: MUD VIS 38.00  
 8110.99ft: MUD WEIGHT 11.95  
 8110.99ft: MUD PH 9.75  
 8112.01ft: 008TGAS-Check dryer cable (rig air)  
 8137.01ft: MUD VIS 38.00  
 8137.01ft: MUD WEIGHT 11.95  
 8137.01ft: MUD PH 9.85  
 8137.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 8137.01ft: ZDIFF from DHC  
 8137.96ft: Connection at 8141.2 SURVEY SLIDING  
 8137.96ft: SURVEY @ 8088' MD 71.86 INC 155.87 AZI 7790.35 TVD  
 8169.00ft: MUD VIS 38.00  
 8169.00ft: MUD WEIGHT 11.95  
 8169.00ft: MUD PH 9.90  
 8169.62ft: SURVEY @ 8119' MD 75.01 INC 154.64 AZI  
 8173.85ft: 15 FT FLAIR  
 8174.02ft: ZDIFF from DHC  
 8180.94ft: FLUFFING SYSTEM WITH BAR  
 8184.32ft: SURVEY @ 8133' MD 76.08 INC 155.11 AZI  
 8198.00ft: MUD VIS 38.00  
 8198.00ft: MUD WEIGHT 11.95  
 8198.00ft: MUD PH 9.75  
 8199.02ft: PVT Horn Disabled  
 8199.02ft: PVT Horn Enabled  
 8199.02ft: ZDIFF from DHC  
 8199.51ft: SURVEY  
 8199.51ft: SURVEY @ 8148' MD 78.96 INC 154.64 AZI 7805.64 TVD  
 8204.99ft: MUD VIS 38.00  
 8204.99ft: MUD WEIGHT 12.00  
 8206.00ft: MUD PH 9.75  
 8206.00ft: MUD WEIGHT 11.95  
 8217.00ft: 021TGAS 01060180 SW0.30 HW31.00 - 13 days on  
 8217.00ft: 008TGAS-Check dryer cable (rig air)  
 8218.01ft: CHECK SHOT SURVEY  
 8218.01ft: PVT Horn Disabled  
 8218.01ft: PVT Horn Enabled  
 8221.00ft: MUD VIS 37.00  
 8221.00ft: MUD WEIGHT 12.00  
 8221.00ft: MUD PH 9.70  
 8221.00ft: MUD WEIGHT 12.00  
 8227.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 8227.99ft: MUD VIS 37.00  
 8227.99ft: MUD WEIGHT 12.05  
 8227.99ft: PVT Horn Enabled  
 8227.99ft: MUD PH 9.75  
 8227.99ft: MUD WEIGHT 12.00  
 8227.99ft: ZDIFF from DHC  
 8228.38ft: PVT Horn Disabled  
 8228.38ft: Connection at 8232.0 SURVEY SLIDING ADD DEFOAMER  
 8228.38ft: SPR  
 8228.38ft: SURVEY @ 8178' MD 81.62 INC 153.20 AZI 7810.69 TVD  
 8228.38ft: BAR OFF  
 8241.80ft: SURVEY @ 8193' MD 82.70 INC 152.89 AZI 7819.98 TVD  
 8242.00ft: MUD VIS 37.00  
 8242.00ft: MUD WEIGHT 12.10  
 8242.00ft: MUD PH 9.60  
 8242.09ft: MUD WEIGHT 12.10  
 8253.15ft: WT/VIS/PH: 12.1/38/9.6  
 8253.15ft: WT: 12.1 OUT  
 8259.06ft: TRANSFERING FROM PILL TO ACTIVE  
 8260.01ft: ZDiffPressure from SideKick sk-11-11-0402  
 8260.01ft: ZWOB from SideKick sk-11-11-0402  
 8260.01ft: PVT Horn Enabled  
 8260.99ft: PVT Horn Disabled  
 8260.99ft: WT/VIS/PH: 12.2/36/9.7  
 8260.99ft: WT: 12.1 OUT  
 8262.40ft: TRANSFERING FROM PREMIX TO ACTIVE  
 8272.24ft: WT/VIS/PH: 12.3+/37/9.6  
 8272.54ft: WT: 12.1 OUT  
 8278.51ft: TRANSFER 40 BBL FROM PILL TANK  
 8281.99ft: 008TGAS-Check dryer cable (rig air)  
 8283.27ft: WT/VIS/PH: 12.3+/38/9.5  
 8283.60ft: WT: 12.1 OUT  
 8289.99ft: ZWOB from SideKick sk-11-11-0402  
 8290.98ft: WT/VIS/PH: 12.3+/37/9.5  
 8290.98ft: WT: 12.1+ OUT  
 8290.98ft: TRANSFERING FROM PREMIX TO ACTIVE  
 8290.98ft: WT/VIS/PH: 12.3+/38/9.5  
 8290.98ft: WT: 12.3+ OUT  
 8290.98ft: ZDiffPressure from SideKick sk-11-11-0402  
 8304.17ft: SURVEY 8253 FT 89.97 156.45  
 8305.35ft: WT/VIS/PH: 12.4/37/9.5  
 8305.68ft: WT: 12.3+ OUT  
 8319.00ft: 008TGAS-Check dryer cable (rig air)  
 8319.00ft: PVT Horn Disabled  
 8319.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 8319.00ft: ZDIFF from DHC  
 8319.00ft: MUD WEIGHT 12.50  
 8319.00ft: MUD WEIGHT 12.50  
 8319.00ft: MUD PH 9.75  
 8319.00ft: MUD VIS 38.00  
 8319.00ft: ZDIFF from DHC  
 8319.00ft: MUD WEIGHT 12.50  
 8319.00ft: MUD WEIGHT 12.45  
 8319.00ft: ZDIFF from DHC  
 8319.00ft: 008TGAS-Check dryer cable (rig air)  
 8319.00ft: MUD WEIGHT 12.50  
 8319.00ft: MUD WEIGHT 12.45  
 8319.00ft: MUD VIS 37.00  
 8319.00ft: MUD WEIGHT 12.45  
 8319.00ft: MUD PH 9.70  
 8319.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 8319.00ft: ZDIFF from DHC  
 8319.00ft: MUD WEIGHT 12.50  
 8319.00ft: ZDIFF from DHC  
 8319.00ft: ZDIFF from DHC 021TGAS 01060180 SW0.30 HW31.00 - 14 days on  
 8319.00ft: 008TGAS-Check dryer cable (rig air)

Aug 15, 2011

02:59 8330

03:14 8340

03:23 8350

03:33 8360

09:35 8370

09:48 8380

09:58 8390

10:07 8400

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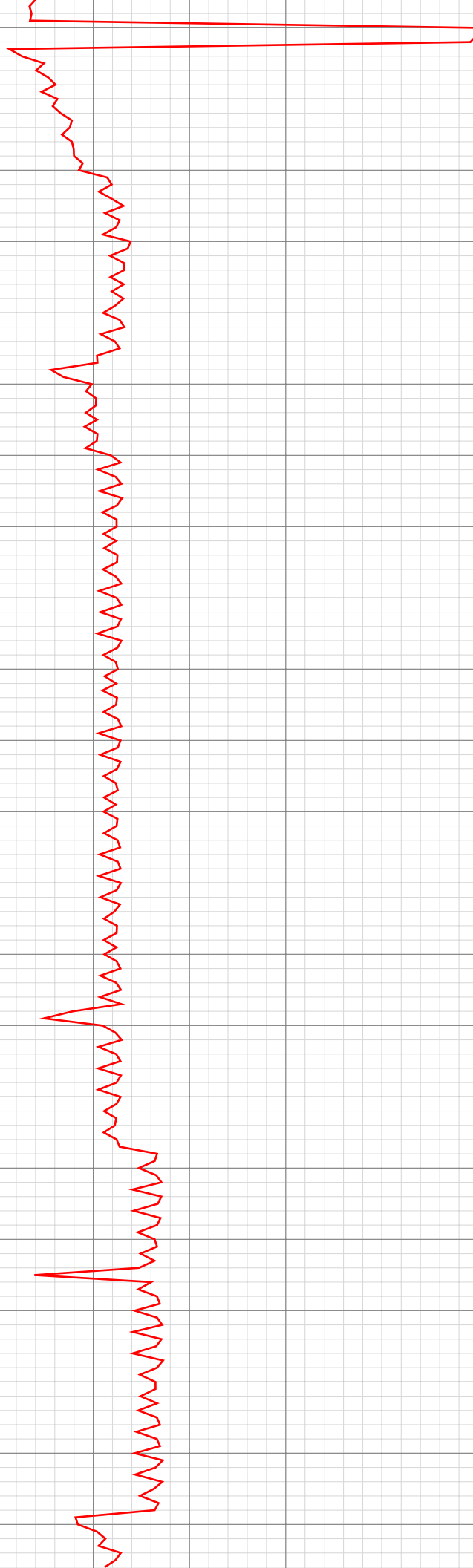
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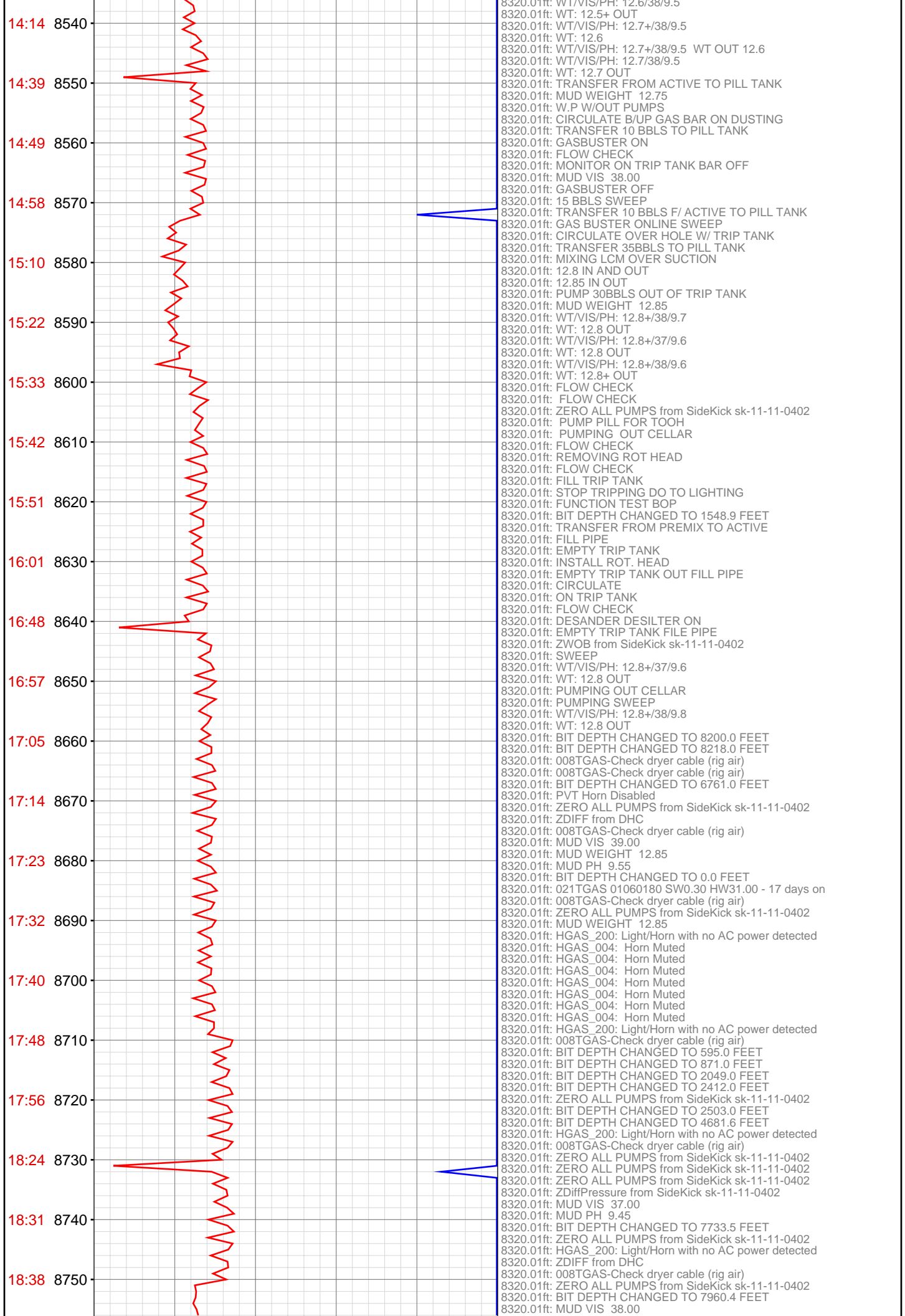
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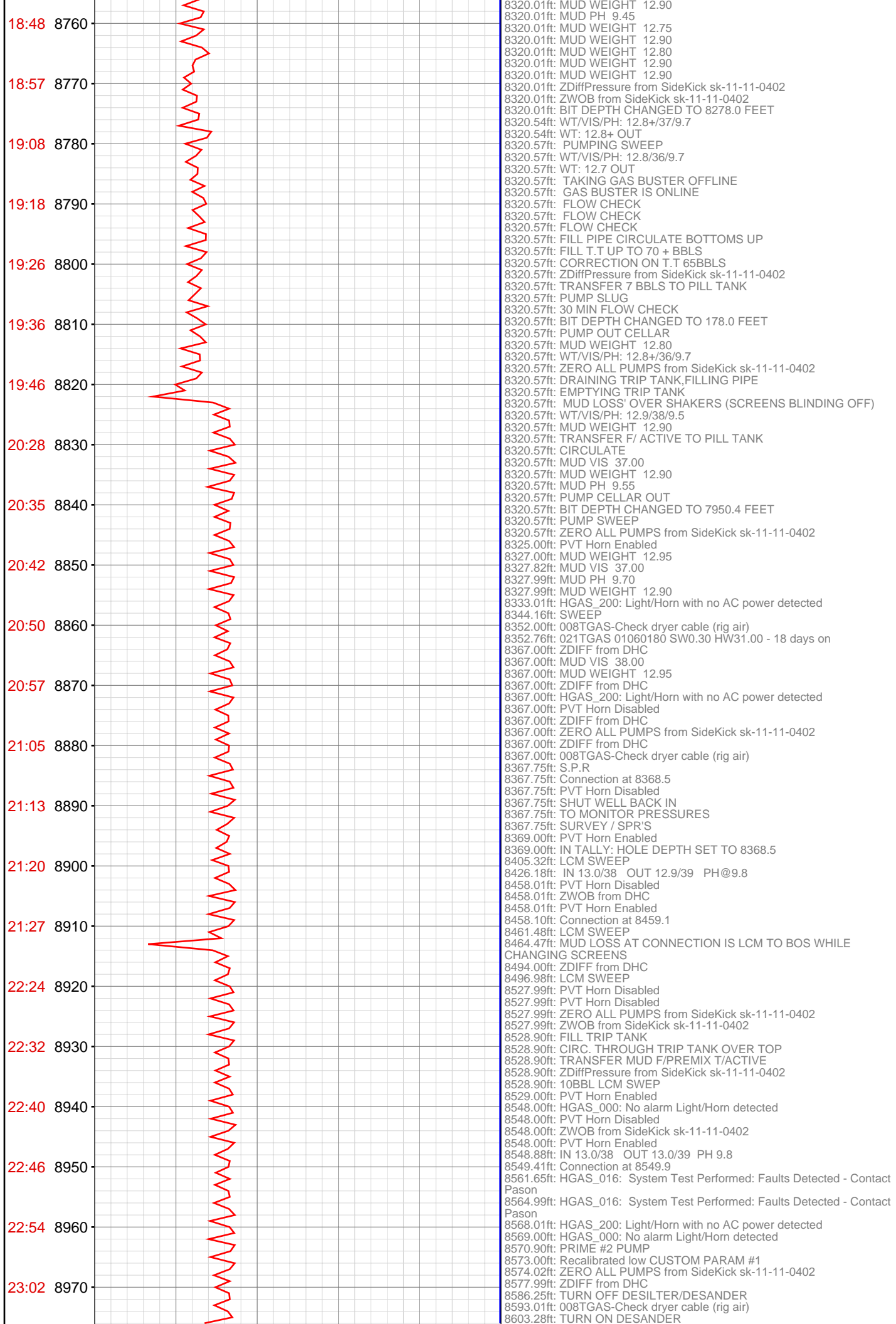
12:22 8520

14:03 8530



8319.00ft: 008TGAS-Check dryer cable (rig air)  
 8319.00ft: MUD VIS 37.00  
 8319.00ft: MUD PH 9.45  
 8319.00ft: 008TGAS-Check dryer cable (rig air)  
 8319.00ft: PVT Horn Disabled  
 8319.00ft: PVT Horn Enabled  
 8319.00ft: 008TGAS-Check dryer cable (rig air)  
 8319.00ft: ZDIFF from DHC  
 8319.00ft: MUD VIS 38.00  
 8319.00ft: MUD PH 9.45  
 8319.00ft: MUD WEIGHT 12.70  
 8319.00ft: PVT Horn Disabled  
 8319.00ft: PVT Horn Enabled  
 8319.00ft: PVT Horn Disabled  
 8319.00ft: PVT Horn Enabled  
 8319.00ft: MUD WEIGHT 12.85  
 8319.00ft: MUD WEIGHT 12.70  
 8319.00ft: 008TGAS-Check dryer cable (rig air)  
 8319.00ft: MUD WEIGHT 12.85  
 8319.00ft: MUD PH 9.40  
 8319.00ft: ZDIFF from DHC  
 8319.00ft: MUD WEIGHT 12.85  
 8319.00ft: MUD WEIGHT 12.75  
 8319.00ft: MUD PH 9.75  
 8319.00ft: MUD VIS 38.00  
 8319.00ft: PVT Horn Disabled  
 8319.00ft: MUD VIS 38.00  
 8319.00ft: MUD WEIGHT 12.85  
 8319.00ft: MUD PH 10.10  
 8319.00ft: MUD VIS 38.00  
 8319.00ft: MUD WEIGHT 12.85  
 8319.00ft: MUD PH 9.80  
 8319.00ft: ZDIFF from DHC  
 8319.00ft: 021TGAS 01060180 SW0.30 HW31.00 - 15 days on  
 8319.00ft: 008TGAS-Check dryer cable (rig air)  
 8319.00ft: MUD VIS 38.00  
 8319.00ft: MUD PH 9.70  
 8319.00ft: ZWOB from DHC  
 8319.00ft: MUD VIS 38.00  
 8319.00ft: MUD WEIGHT 12.85  
 8319.00ft: MUD PH 9.65  
 8319.00ft: 008TGAS-Check dryer cable (rig air)  
 8319.00ft: BIT DEPTH CHANGED TO 5593.0 FEET  
 8319.00ft: 003TGAS-Manual flush  
 8319.00ft: 008TGAS-Check dryer cable (rig air)  
 8319.00ft: BIT DEPTH CHANGED TO 371.0 FEET  
 8319.00ft: MUD VIS 37.00  
 8319.00ft: MUD WEIGHT 12.85  
 8319.00ft: MUD PH 9.45  
 8319.00ft: 008TGAS-Check dryer cable (rig air)  
 8319.00ft: BIT DEPTH CHANGED TO 1007.1 FEET  
 8319.00ft: BIT DEPTH CHANGED TO 2534.5 FEET  
 8319.00ft: MUD VIS 38.00  
 8319.00ft: MUD WEIGHT 12.85  
 8319.00ft: MUD PH 9.50  
 8319.00ft: MUD VIS 38.00  
 8319.00ft: MUD WEIGHT 12.85  
 8319.00ft: MUD PH 10.10  
 8319.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 8319.00ft: MUD WEIGHT 12.85  
 8319.00ft: MUD WEIGHT 12.60  
 8319.00ft: 021TGAS 01060180 SW0.30 HW31.00 - 16 days on  
 8319.00ft: 008TGAS-Check dryer cable (rig air)  
 8319.00ft: MUD VIS 36.00  
 8319.00ft: MUD WEIGHT 12.85  
 8319.00ft: MUD PH 9.75  
 8319.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 8319.00ft: ZDiffPressure from SideKick sk-11-11-0402  
 8319.00ft: BIT DEPTH CHANGED TO 7401.5 FEET  
 8319.00ft: ZWOB from DHC  
 8319.00ft: BIT DEPTH CHANGED TO 8308.0 FEET  
 8319.39ft: WT/VIS/PH: 12.5+/37/9.5  
 8319.39ft: WT: 12.4 OUT  
 8319.39ft: SENDIG LCM SWEEP  
 8319.39ft: FILLING UP TRIP TANK  
 8319.39ft: FILL BACKSIDE AND MONITOR ON TRIP TANK  
 8319.39ft: CIRCULATE INTO TRIP TANK  
 8319.39ft: TRANSFER 60BBLs  
 8319.39ft: F/PREMIX TO ACTIVE  
 8319.39ft: SPR  
 8319.39ft: PUMP SWEEP  
 8319.39ft: SPOT LCM PILL  
 8319.39ft: STOP CIRCULATING WITH TRIP TANK MONITOR  
 8319.39ft: BAR ON DUSTING TRIP TANK ON  
 8319.39ft: TRIP TANK OFF MONITOR  
 8319.39ft: MUD WEIGHT 12.55  
 8319.39ft: TRANSFER F/UPRITE TO PREMIX  
 8319.39ft: BAR ON ONLY IN PREMIX  
 8319.39ft: TAKING GAS BUSTER OFF  
 8319.39ft: BUSTER ONLINE  
 8319.39ft: WT. IN/OUT 12.5/12.3  
 8319.39ft: WT/VIS/PH: 12.5/38/9.2  
 8319.39ft: WT: 12.3+ OUT  
 8319.39ft: WT IN 12.5+  
 8319.39ft: WT: 12.5 OUT  
 8319.39ft: FILL UP SAND TRAP  
 8319.39ft: WT/VIS/PH:12.5+/37/9.4  
 8319.39ft: WT: 12.5 OUT  
 8319.39ft: WT IN/OUT 12.5/12.5  
 8319.39ft: WT: 12.5 OUT  
 8319.39ft: WT/VIS/PH: 12.5+/36/9.8  
 8319.39ft: WT: 12.5 OUT  
 8319.39ft: GAS BUSTER OFFLINE  
 8319.39ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 8320.01ft: WT/VIS/PH: 12.5+/38/9.3  
 8320.01ft: WT: 12.5+ OUT  
 8320.01ft: TRANSFERING FROM PREMIX TO ACTIVE  
 8320.01ft: WT/VIS/PH: 12.6+/36/9.5  
 8320.01ft: WT/VIS/PH: 12.6/36/9.5  
 8320.01ft: WT: 12.6 OUT  
 8320.01ft: WT/VIS/PH: 12.6/36/9.6  
 8320.01ft: WT: 12.5+ OUT





8320.01ft: MUD WEIGHT 12.90  
 8320.01ft: MUD PH 9.45  
 8320.01ft: MUD WEIGHT 12.75  
 8320.01ft: MUD WEIGHT 12.90  
 8320.01ft: MUD WEIGHT 12.80  
 8320.01ft: MUD WEIGHT 12.90  
 8320.01ft: MUD WEIGHT 12.90  
 8320.01ft: ZDiffPressure from SideKick sk-11-11-0402  
 8320.01ft: ZWOB from SideKick sk-11-11-0402  
 8320.01ft: BIT DEPTH CHANGED TO 8278.0 FEET  
 8320.54ft: WT/VIS/PH: 12.8+/37/9.7  
 8320.54ft: WT: 12.8+ OUT  
 8320.57ft: PUMPING SWEEP  
 8320.57ft: WT/VIS/PH: 12.8/36/9.7  
 8320.57ft: WT: 12.7 OUT  
 8320.57ft: TAKING GAS BUSTER OFFLINE  
 8320.57ft: GAS BUSTER IS ONLINE  
 8320.57ft: FLOW CHECK  
 8320.57ft: FLOW CHECK  
 8320.57ft: FLOW CHECK  
 8320.57ft: FILL PIPE CIRCULATE BOTTOMS UP  
 8320.57ft: FILL T.T UP TO 70 + BBLs  
 8320.57ft: CORRECTION ON T.T 65BBLs  
 8320.57ft: ZDiffPressure from SideKick sk-11-11-0402  
 8320.57ft: TRANSFER 7 BBLs TO PILL TANK  
 8320.57ft: PUMP SLUG  
 8320.57ft: 30 MIN FLOW CHECK  
 8320.57ft: BIT DEPTH CHANGED TO 178.0 FEET  
 8320.57ft: PUMP OUT CELLAR  
 8320.57ft: MUD WEIGHT 12.80  
 8320.57ft: WT/VIS/PH: 12.8+/36/9.7  
 8320.57ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 8320.57ft: DRAINING TRIP TANK, FILLING PIPE  
 8320.57ft: EMPTYING TRIP TANK  
 8320.57ft: MUD LOSS OVER SHAKERS (SCREENS BLINDING OFF)  
 8320.57ft: WT/VIS/PH: 12.9/38/9.5  
 8320.57ft: MUD WEIGHT 12.90  
 8320.57ft: TRANSFER F/ ACTIVE TO PILL TANK  
 8320.57ft: CIRCULATE  
 8320.57ft: MUD VIS 37.00  
 8320.57ft: MUD WEIGHT 12.90  
 8320.57ft: MUD PH 9.55  
 8320.57ft: PUMP CELLAR OUT  
 8320.57ft: BIT DEPTH CHANGED TO 7950.4 FEET  
 8320.57ft: PUMP SWEEP  
 8320.57ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 8325.00ft: PVT Horn Enabled  
 8327.00ft: MUD WEIGHT 12.95  
 8327.82ft: MUD VIS 37.00  
 8327.99ft: MUD PH 9.70  
 8327.99ft: MUD WEIGHT 12.90  
 8333.01ft: HGAS\_200: Light/Horn with no AC power detected  
 8344.16ft: SWEEP  
 8352.00ft: 008TGAS-Check dryer cable (rig air)  
 8352.76ft: 021TGAS 01060180 SW0.30 HW31.00 - 18 days on  
 8367.00ft: ZDIFF from DHC  
 8367.00ft: MUD VIS 38.00  
 8367.00ft: MUD WEIGHT 12.95  
 8367.00ft: ZDIFF from DHC  
 8367.00ft: HGAS\_200: Light/Horn with no AC power detected  
 8367.00ft: PVT Horn Disabled  
 8367.00ft: ZDIFF from DHC  
 8367.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 8367.00ft: ZDIFF from DHC  
 8367.00ft: 008TGAS-Check dryer cable (rig air)  
 8367.75ft: S.P.R  
 8367.75ft: Connection at 8368.5  
 8367.75ft: PVT Horn Disabled  
 8367.75ft: SHUT WELL BACK IN  
 8367.75ft: TO MONITOR PRESSURES  
 8367.75ft: SURVEY / SPR'S  
 8369.00ft: PVT Horn Enabled  
 8369.00ft: IN TALLY: HOLE DEPTH SET TO 8368.5  
 8405.32ft: LCM SWEEP  
 8426.18ft: IN 13.0/38 OUT 12.9/39 PH@9.8  
 8458.01ft: PVT Horn Disabled  
 8458.01ft: ZWOB from DHC  
 8458.01ft: PVT Horn Enabled  
 8458.10ft: Connection at 8459.1  
 8461.48ft: LCM SWEEP  
 8464.47ft: MUD LOSS AT CONNECTION IS LCM TO BOS WHILE CHANGING SCREENS  
 8494.00ft: ZDIFF from DHC  
 8496.98ft: LCM SWEEP  
 8527.99ft: PVT Horn Disabled  
 8527.99ft: PVT Horn Disabled  
 8527.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 8527.99ft: ZWOB from SideKick sk-11-11-0402  
 8528.90ft: FILL TRIP TANK  
 8528.90ft: CIRC. THROUGH TRIP TANK OVER TOP  
 8528.90ft: TRANSFER MUD F/PREMIX T/ACTIVE  
 8528.90ft: ZDiffPressure from SideKick sk-11-11-0402  
 8528.90ft: 10BBL LCM SWEP  
 8529.00ft: PVT Horn Enabled  
 8548.00ft: HGAS\_000: No alarm Light/Horn detected  
 8548.00ft: PVT Horn Disabled  
 8548.00ft: ZWOB from SideKick sk-11-11-0402  
 8548.00ft: PVT Horn Enabled  
 8548.88ft: IN 13.0/38 OUT 13.0/39 PH 9.8  
 8549.41ft: Connection at 8549.9  
 8561.65ft: HGAS\_016: System Test Performed: Faults Detected - Contact Pason  
 8564.99ft: HGAS\_016: System Test Performed: Faults Detected - Contact Pason  
 8568.01ft: HGAS\_200: Light/Horn with no AC power detected  
 8569.00ft: HGAS\_000: No alarm Light/Horn detected  
 8570.90ft: PRIME #2 PUMP  
 8573.00ft: Recalibrated low CUSTOM PARAM #1  
 8574.02ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 8577.99ft: ZDIFF from DHC  
 8586.25ft: TURN OFF DESILTER/DESANDER  
 8593.01ft: 008TGAS-Check dryer cable (rig air)  
 8603.28ft: TURN ON DESANDER

23:10 8980  
23:18 8990  
23:27 9000  
23:52 9010  
23:59 9020  
Aug 18, 2011  
00:08 9030  
00:15 9040  
00:23 9050  
00:31 9060  
00:39 9070  
00:50 9080  
01:01 9090  
01:26 9100  
01:35 9110  
01:43 9120  
01:52 9130  
02:00 9140  
02:08 9150  
02:18 9160  
02:27 9170  
02:37 9180  
03:48 9190



8608.63ft: IN 13+/38 OUT 13/38 PH 9.9  
8614.99ft: ZDIFF from DHC  
8630.18ft: LCM SWEEP  
8631.00ft: ZDIFF from DHC  
8639.99ft: PVT Horn Disabled  
8639.99ft: ZWOB from SideKick sk-11-11-0402  
8639.99ft: ZDiffPressure from SideKick sk-11-11-0402  
8639.99ft: PVT Horn Enabled  
8640.12ft: RIG SERVICE  
8640.12ft: Connection at 8640.5  
8641.01ft: IN TALLY: HOLE DEPTH SET TO 8640.5  
8657.02ft: IN 12.9+/38 OUT 12.9/38 PH 9.6  
8729.99ft: PVT Horn Disabled  
8729.99ft: ZWOB from SideKick sk-11-11-0402  
8729.99ft: ZDiffPressure from SideKick sk-11-11-0402  
8729.99ft: PVT Horn Enabled  
8730.41ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
8730.41ft: Connection at 8731.2  
8739.01ft: MUD VIS 36.00  
8739.01ft: MUD WEIGHT 12.65  
8739.01ft: MUD PH 9.30  
8765.03ft: SWEEP  
8820.01ft: PVT Horn Disabled  
8820.51ft: Connection at 8821.9  
8821.00ft: MUD VIS 36.00  
8821.00ft: MUD WEIGHT 12.70  
8821.00ft: MUD PH 9.50  
8821.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
8821.00ft: ZWOB from SideKick sk-11-11-0402  
8821.00ft: ZDiffPressure from SideKick sk-11-11-0402  
8821.00ft: PVT Horn Enabled  
8821.42ft: TAKING SPR'S  
8822.90ft: PUMPING OUT CELLAR  
8858.69ft: SWEEP  
8869.00ft: MUD WEIGHT 12.75  
8869.00ft: MUD PH 9.70  
8869.23ft: MUD VIS 37.00  
8906.99ft: 008TGAS-Check dryer cable (rig air)  
8912.01ft: PVT Horn Disabled  
8912.01ft: ZWOB from SideKick sk-11-11-0402  
8912.01ft: ZDiffPressure from SideKick sk-11-11-0402  
8912.01ft: ZWOB from SideKick sk-11-11-0402  
8912.50ft: Connection at 8912.5  
8912.63ft: DOWNLINK TO POWERDRIVE  
8912.63ft: TRANSFER FROM PREMIX TO ACTIVE  
8912.63ft: ZDiffPressure from SideKick sk-11-11-0402  
8912.99ft: PVT Horn Enabled  
8980.45ft: TRANSFER FROM BOS TO PREMIX  
9002.99ft: PVT Horn Disabled  
9002.99ft: MUD VIS 37.00  
9002.99ft: MUD WEIGHT 12.75  
9002.99ft: MUD PH 9.80  
9002.99ft: ZDiffPressure from SideKick sk-11-11-0402  
9002.99ft: ZWOB from SideKick sk-11-11-0402  
9003.41ft: Connection at 9003.3  
9003.71ft: PVT Horn Enabled  
9012.50ft: SWEEP  
9093.01ft: PVT Horn Disabled  
9093.14ft: Connection at 9094.0  
9094.00ft: MUD WEIGHT 12.75  
9094.00ft: MUD PH 10.00  
9094.00ft: ZWOB from SideKick sk-11-11-0402  
9094.00ft: ZDiffPressure from SideKick sk-11-11-0402  
9094.00ft: PVT Horn Enabled  
9094.03ft: MUD VIS 35.00  
  
9113.35ft: SWEEP  
  
9131.99ft: MUD VIS 36.00  
9131.99ft: MUD WEIGHT 12.75  
9131.99ft: MUD PH 10.00  
  
9183.99ft: PVT Horn Disabled  
9183.99ft: MUD VIS 37.00  
9183.99ft: MUD WEIGHT 12.80  
9183.99ft: MUD PH 10.00  
9183.99ft: 021TGAS 01060180 SW0.30 HW31.00 - 19 days on  
9183.99ft: 008TGAS-Check dryer cable (rig air)  
9183.99ft: ZWOB from SideKick sk-11-11-0402  
9183.99ft: ZDiffPressure from SideKick sk-11-11-0402  
9183.99ft: PVT Horn Enabled  
9184.32ft: Connection at 9184.6  
9184.32ft: PVT Horn Enabled  
9184.32ft: PVT Horn Disabled DOWNLINK TO POWERDRIVE  
9184.32ft: BOP DRILL

9184.32ft: ADDING DEFOAMER  
9198.00ft: MUD VIS 37.00  
9198.00ft: MUD WEIGHT 12.80  
9198.00ft: MUD PH 10.10

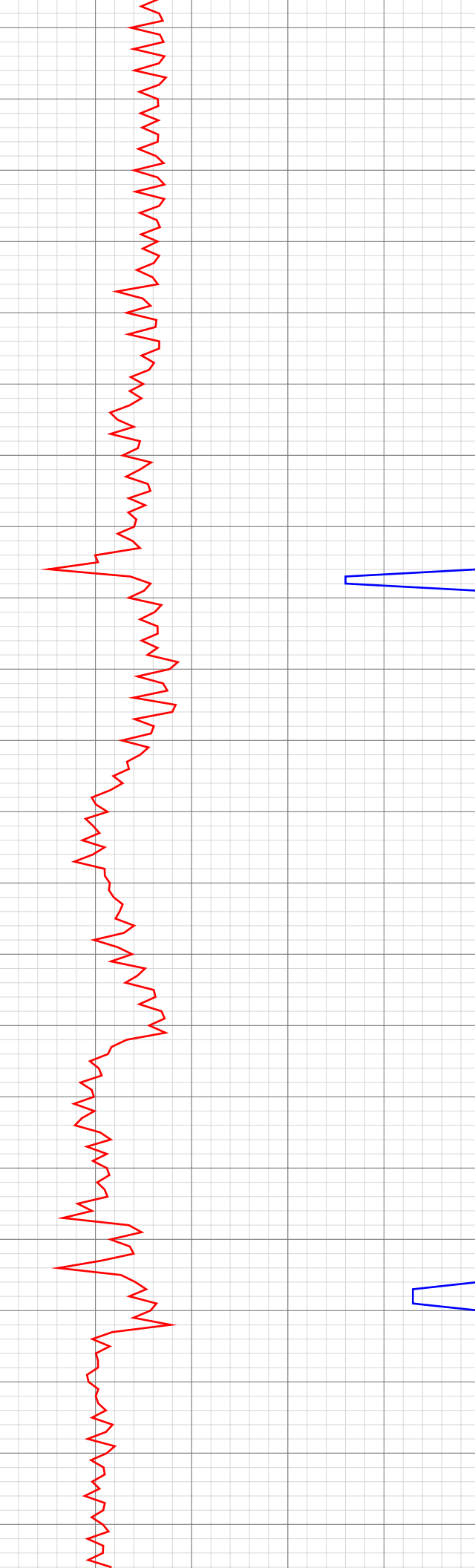
9274.02ft: MUD VIS 37.00  
9274.02ft: MUD WEIGHT 12.85  
9274.02ft: MUD PH 10.10  
9275.00ft: PVT Horn Disabled  
9275.00ft: ZWOB from SideKick sk-11-11-0402  
9275.00ft: ZDiffPressure from SideKick sk-11-11-0402  
9275.39ft: Connection at 9275.3  
9275.53ft: PVT Horn Enabled

9296.13ft: PUMP OUT CELLAR

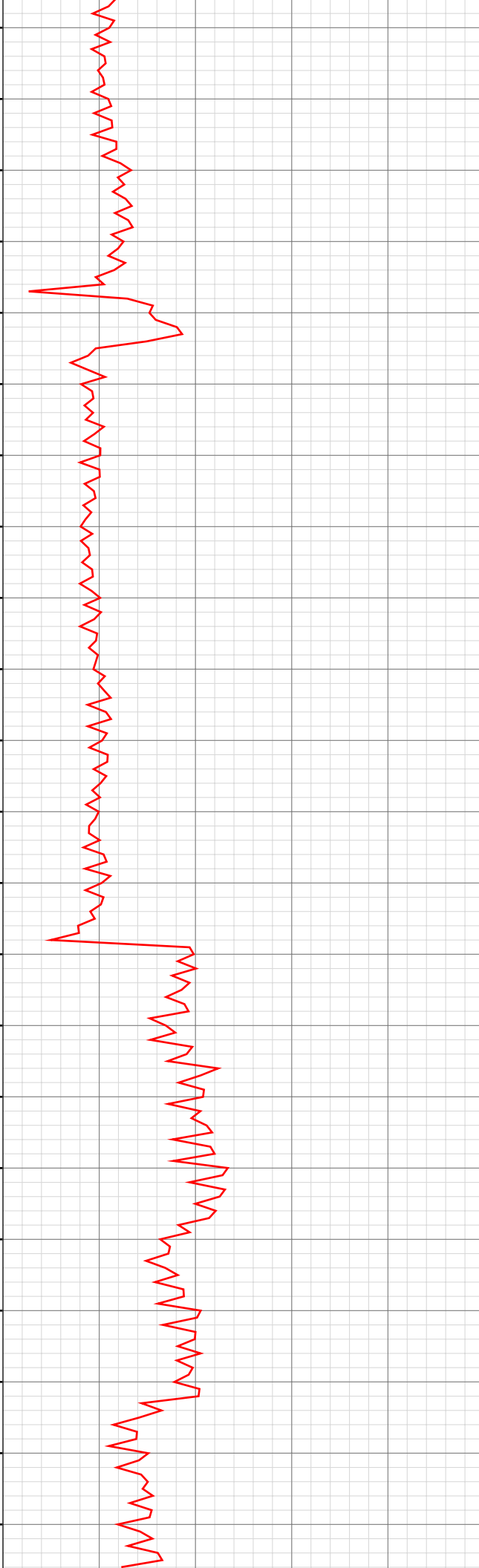
9312.01ft: MUD VIS 36.00  
9312.01ft: MUD WEIGHT 12.85  
9312.01ft: MUD PH 10.20

9366.01ft: PVT Horn Disabled  
9366.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9366.01ft: ZDiffPressure from SideKick sk-11-11-0402  
9366.01ft: PVT Horn Enabled  
9366.77ft: Connection at 9366.0

03:55 9200  
04:03 9210  
04:10 9220  
04:19 9230  
04:27 9240  
04:34 9250  
04:43 9260  
04:51 9270  
05:17 9280  
05:25 9290  
05:32 9300  
05:42 9310  
05:54 9320  
06:05 9330  
06:12 9340  
06:23 9350  
06:35 9360  
07:07 9370  
07:18 9380  
07:29 9390  
07:39 9400  
07:51 9410



08:03 9420  
08:15 9430  
08:26 9440  
08:35 9450  
09:07 9460  
09:18 9470  
09:32 9480  
09:45 9490  
09:58 9500  
10:10 9510  
10:22 9520  
10:36 9530  
10:48 9540  
11:16 9550  
11:22 9560  
11:29 9570  
11:35 9580  
11:41 9590  
11:48 9600  
11:54 9610  
12:02 9620  
12:12 9630



9426.87ft: WT. 12.8+/VIS. 38/PH 10.0

9456.00ft: PVT Horn Disabled  
9456.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9456.00ft: ZDiffPressure from SideKick sk-11-11-0402  
9456.40ft: Connection at 9456.8

9475.98ft: 008TGAS-Check dryer cable (rig air)

9484.55ft: IN 12.7+/38 PH 10

9500.98ft: PVT Horn Enabled

9512.57ft: SWEEP

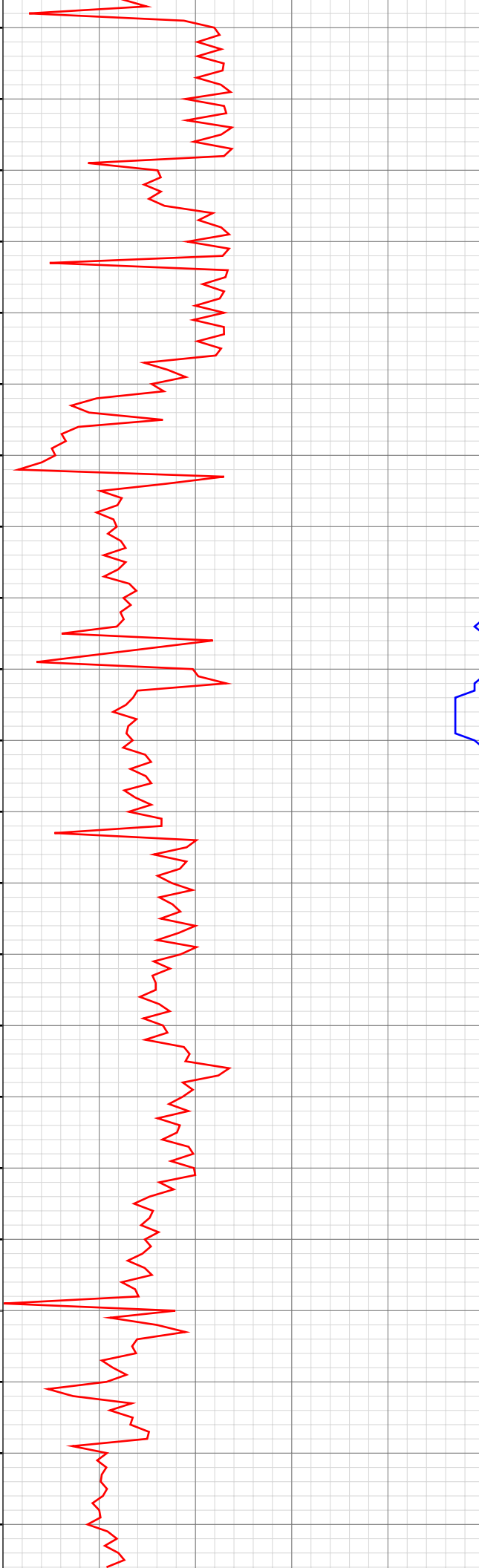
9540.49ft: WT.'S IN 12.8/OUT 12.8 VIS 38 PH 9.8  
9547.01ft: PVT Horn Disabled  
9547.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9547.01ft: ZDiffPressure from SideKick sk-11-11-0402  
9547.01ft: ZWOB from SideKick sk-11-11-0402  
9547.51ft: Connection at 9547.4  
9547.64ft: IN TALLY: HOLE DEPTH SET TO 9547.4

9583.99ft: PVT Horn Enabled

9616.11ft: TURN ON DESILTER

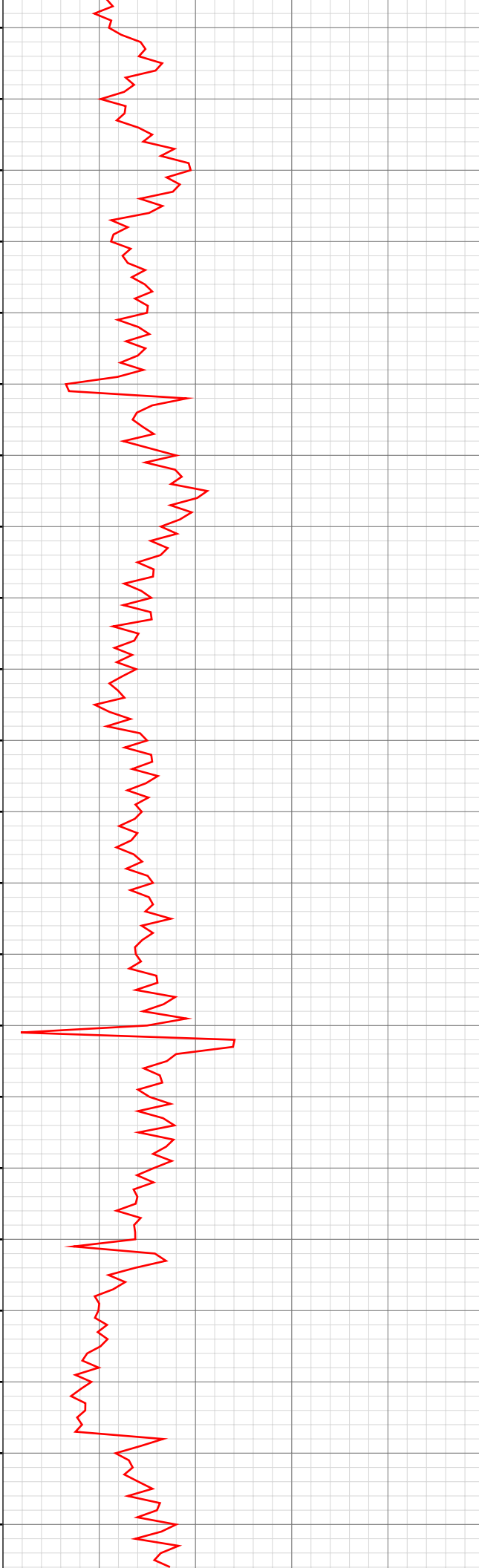
9637.01ft: PVT Horn Disabled  
9637.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9637.01ft: ZDiffPressure from SideKick sk-11-11-0402  
9637.01ft: ZWOB from SideKick sk-11-11-0402

12:41 9640  
12:46 9650  
13:16 9660  
13:23 9670  
13:31 9680  
13:37 9690  
13:52 9700  
14:12 9710  
14:22 9720  
15:16 9730  
15:24 9740  
15:32 9750  
18:43 9760  
18:49 9770  
18:58 9780  
19:04 9790  
19:10 9800  
19:18 9810  
Aug 20, 2011  
01:25 9830  
01:37 9840  
01:47 9850



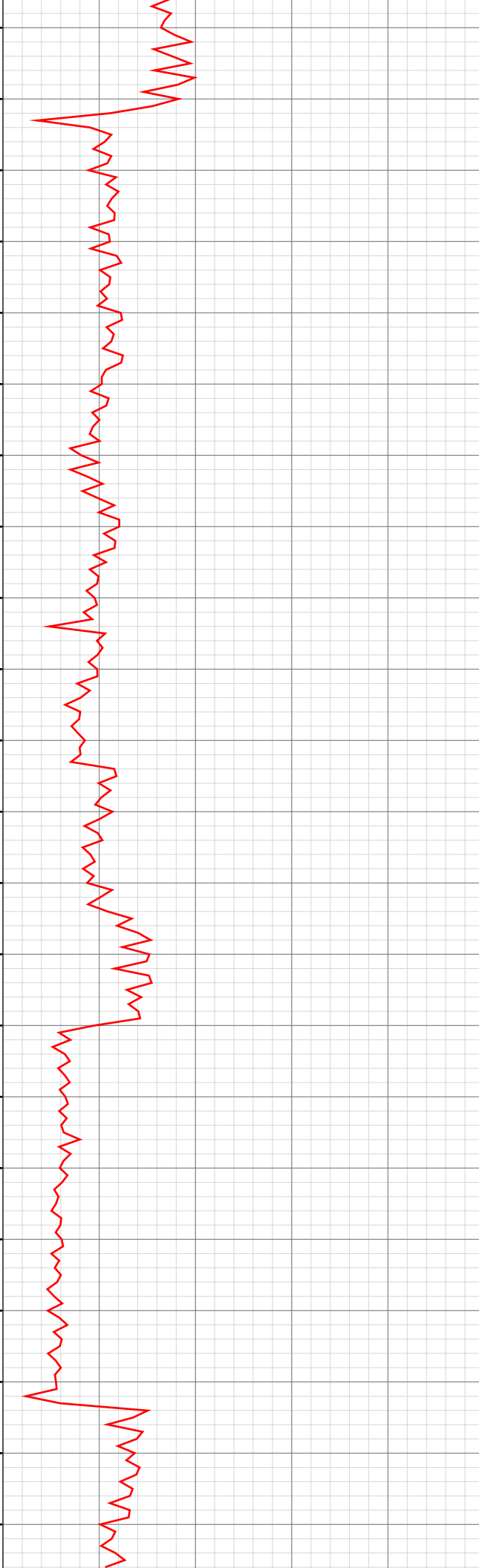
9637.01ft: ZWOB from SideKick sk-11-11-0402  
9637.01ft: ZDiffPressure from SideKick sk-11-11-0402  
9637.14ft: Connection at 9638.2  
  
9653.54ft: WT:'S IN 12.8/OUT 12.8 VIS. 38 PH 9.8  
9658.01ft: ZDiffPressure from SideKick sk-11-11-0402  
9658.83ft: DOWNLINK TO POWERDRIVE  
9658.83ft: DOWNLINK TO POWERDRIVE  
9658.83ft: ZWOB from SideKick sk-11-11-0402  
  
9700.00ft: PVT Horn Enabled  
9702.00ft: ZWOB from SideKick sk-11-11-0402  
9702.00ft: ZDiffPressure from SideKick sk-11-11-0402  
9702.56ft: ZDiffPressure from SideKick sk-11-11-0402  
9712.60ft: SWEEP  
9724.02ft: PVT Horn Disabled  
9724.02ft: ZDiffPressure from SideKick sk-11-11-0402  
9724.97ft: IN WT 12.8+ VIS 37 OUT WT 12.8 VIS 38  
9724.97ft: Connection at 9728.8  
9724.97ft: DOWNLINKING TO POWERDRIVE  
9724.97ft: TRANSFER F/ACTIVE T/SLUG PIT  
9725.98ft: IN TALLY: HOLE DEPTH SET TO 9819.5  
9735.01ft: PVT Horn Disabled  
9736.81ft: TRANSFER F/PREMIX T/ACTIVE  
9742.00ft: 008TGAS-Check dryer cable (rig air)  
9752.00ft: PVT Horn Disabled  
9752.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9752.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9752.00ft: ZDiffPressure from SideKick sk-11-11-0402  
9752.00ft: ZDIFF from DHC  
9752.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9752.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9752.00ft: ZWOB from SideKick sk-11-11-0402  
9752.00ft: ZDiffPressure from SideKick sk-11-11-0402  
9752.00ft: PVT Horn Enabled  
9752.33ft: SPOT LCM PILL @ 25PPB FOR TOTAL LOSS RETURNS 200+ BBLs  
9752.33ft: FILL TRIP TANK  
9752.33ft: 40 BBL FROM PRE MIX TO ACTIVE  
9752.33ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9762.01ft: PVT Horn Disabled  
9762.86ft: GOING ON BIG GAS BUSTER  
9766.01ft: PVT Horn Enabled  
9787.34ft: PUMPING OUT CELLAR  
9819.00ft: IN TALLY: HOLE DEPTH SET TO 9819.5  
9819.00ft: PVT Horn Disabled  
9819.00ft: MUD VIS 35.00  
9819.00ft: MUD WEIGHT 12.90  
9819.00ft: MUD PH 9.40  
9819.00ft: 008TGAS-Check dryer cable (rig air)  
9819.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9819.00ft: 021TGAS 01060180 SW0.30 HW31.00 - 20 days on  
9819.00ft: 008TGAS-Check dryer cable (rig air)  
9819.00ft: BIT DEPTH CHANGED TO 2140.0 FEET  
9819.00ft: HOOK LOAD HIGH RECALIBRATED  
9819.00ft: BIT DEPTH CHANGED TO 3047.0 FEET  
9819.00ft: HOOK LOAD HIGH RECALIBRATED  
9819.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9819.00ft: BIT DEPTH CHANGED TO 4682.0 FEET  
9819.00ft: HOOK LOAD HIGH RECALIBRATED  
9819.00ft: 008TGAS-Check dryer cable (rig air)  
9819.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9819.00ft: HOOK LOAD HIGH RECALIBRATED  
9819.00ft: BIT DEPTH CHANGED TO 7869.8 FEET  
9819.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9819.00ft: MUD VIS 34.00  
9819.00ft: MUD WEIGHT 12.85  
9819.00ft: MUD PH 11.00  
9819.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9819.00ft: MUD VIS 36.00  
9819.00ft: MUD WEIGHT 12.80  
9819.00ft: MUD PH 10.40  
9819.00ft: Connection at 9819.5  
9819.00ft: ZWOB from SideKick sk-11-11-0402  
9819.46ft: FLUSH PILL TANK  
9819.46ft: TRANSFER FROM ACTIVE TO PILL TANK  
9819.46ft: PUMP OUT TRIP TANK  
9819.46ft: CHANGE ELEVATORS  
9819.46ft: 30 MIN FLOW CHECK  
9819.46ft: PUMP CELLAR INTO ACTIVE  
9819.46ft: FILL TRIP TANK  
9819.46ft: CHANGING ELEVATORS  
9819.46ft: FILLING TRIP TANK  
9819.46ft: PUMPING OUT CELLAR  
9819.46ft: PULL ROT HEAD RUBBER  
9819.46ft: 15 MIN FLOW CHECK  
9819.46ft: TEST AND SEND DOWN LINK TO POWER DRIVE  
9819.46ft: TRANSFER 80BBLs F/BOS T/PREMIX  
9819.46ft: MW 12.7 VIS 37  
9819.46ft: DOWNLINK TO POWERDRIVE  
9819.46ft: 008TGAS-Check dryer cable (rig air)  
9819.46ft: BIT DEPTH CHANGED TO 192.7 FEET  
9819.46ft: ROT. HEAD  
9819.46ft: PUMP OUT TRIP TANK  
9819.46ft: FILL PIPE  
9819.46ft: RIG SERVICE

01:58 9860  
02:07 9870  
02:16 9880  
02:24 9890  
02:32 9900  
02:42 9910  
03:20 9920  
03:27 9930  
03:35 9940  
03:43 9950  
04:03 9960  
04:11 9970  
04:21 9980  
04:29 9990  
04:36 10000  
05:09 10010  
05:17 10020  
05:27 10030  
05:38 10040  
05:49 10050  
06:14 10060  
06:22 10070



9819.46ft: X/O ELEVATORS  
9819.46ft: TRIP B.O.P. DRILL  
9819.46ft: FILL PIPE  
9819.46ft: PUMP OUT TRIP TANK  
9819.46ft: DIR SURVEY AND DOWNLINK TOOL  
9819.46ft: DOWNLINK TO POWER DRIVE  
9819.46ft: CHECK SHOT SURVEY  
9819.46ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9820.01ft: IN TALLY: HOLE DEPTH SET TO 9728.8  
9824.02ft: 008TGAS-Check dryer cable (rig air)  
9824.02ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9824.02ft: PVT Horn Enabled  
9824.02ft: MUD VIS 36.00  
9824.02ft: MUD WEIGHT 12.85  
9824.02ft: MUD PH 10.50  
9824.02ft: MUD VIS 36.00  
9824.02ft: MUD WEIGHT 12.80  
9824.02ft: MUD PH 10.70  
9824.02ft: MUD WEIGHT 12.80  
9824.02ft: MUD PH 10.40  
9824.02ft: MUD VIS 37.00  
9824.02ft: MUD WEIGHT 12.80  
9824.02ft: MUD PH 10.50  
9824.02ft: ZDiffPressure from SideKick sk-11-11-0402  
9824.87ft: MUD VIS 36.00  
9824.87ft: PVT Horn Disabled  
9824.87ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9839.99ft: PVT Horn Enabled  
9852.03ft: PUMPING OUT CELLAR  
9868.01ft: MUD VIS 37.00  
9868.01ft: MUD WEIGHT 12.75  
9868.01ft: MUD PH 10.50  
9908.01ft: PVT Horn Disabled  
9908.43ft: Connection at 9910.2  
9910.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
9910.01ft: ZDiffPressure from SideKick sk-11-11-0402  
9910.01ft: ZWOB from SideKick sk-11-11-0402  
9910.20ft: TAKING SPR  
9910.99ft: MUD VIS 36.00  
9912.01ft: MUD WEIGHT 12.80  
9912.01ft: MUD PH 10.50  
9914.99ft: PVT Horn Enabled  
9929.00ft: 021TGAS 01060180 SW0.30 HW31.00 - 21 days on  
9929.00ft: 008TGAS-Check dryer cable (rig air)  
  
9956.99ft: ZWOB from SideKick sk-11-11-0402  
9956.99ft: ZDiffPressure from SideKick sk-11-11-0402  
  
9977.95ft: PUMP OUT CELLAR  
  
10000.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
10000.00ft: PVT Horn Disabled  
10000.00ft: PVT Horn Enabled  
10000.00ft: ZWOB from SideKick sk-11-11-0402  
10000.92ft: Connection at 10000.8  
10000.92ft: ZDiffPressure from SideKick sk-11-11-0402  
10000.98ft: ZWOB from SideKick sk-11-11-0402  
  
10031.99ft: MUD VIS 37.00  
10031.99ft: MUD WEIGHT 12.85  
10031.99ft: MUD PH 10.30  
  
10056.00ft: PVT Horn Disabled  
10056.00ft: ZDiffPressure from SideKick sk-11-11-0402  
10056.00ft: ZWOB from SideKick sk-11-11-0402  
10056.00ft: PVT Horn Enabled  
10056.69ft: SWITCH TO #2 PUMP

06:30 10080  
06:37 10090  
07:03 10100  
07:13 10110  
07:25 10120  
07:37 10130  
07:50 10140  
08:01 10150  
08:13 10160  
08:26 10170  
08:43 10180  
09:30 10190  
09:42 10200  
09:52 10210  
10:01 10220  
10:22 10230  
10:40 10240  
10:59 10250  
11:22 10260  
11:43 10270  
12:27 10280  
12:37 10290



10092.00ft: PVT Horn Disabled  
10092.00ft: ZWOB from SideKick sk-11-11-0402  
10092.00ft: HOOK LOAD HIGH RECALIBRATED  
10092.22ft: ZWOB from DHC

10106.76ft: Connection at 10091.4

10130.94ft: WT.'S IN 12.8+/OUT 12.7 VIS.@38 PH@10.2

10181.99ft: PVT Horn Disabled  
10181.99ft: ZDIFF from DHC  
10181.99ft: ZDiffPressure from SideKick sk-11-11-0402  
10181.99ft: ZWOB from SideKick sk-11-11-0402  
10181.99ft: IN TALLY: HOLE DEPTH SET TO 10182.1  
10182.48ft: Connection at 10182.1  
10182.48ft: DOWNLINKING POWERDRIVE  
10183.99ft: PVT Horn Enabled  
10187.01ft: 008TGAS-Check dryer cable (rig air)

10199.25ft: WT.'S IN 12.9 & OUT 12.8 VIS@38 PH@10.1

10250.49ft: IN 39/12.9+ OUT 38/12.8+ PH 10

10262.04ft: TRANSFER 20BBL F/PREMIX T/ACTIVE  
10271.00ft: PVT Horn Disabled  
10271.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
10271.00ft: ZWOB from SideKick sk-11-11-0402  
10271.00ft: ZWOB from SideKick sk-11-11-0402  
10271.00ft: ZWOB from SideKick sk-11-11-0402  
10271.00ft: ZWOB from SideKick sk-11-11-0402  
10271.00ft: ZWOB from SideKick sk-11-11-0402  
10271.00ft: ZDiffPressure from SideKick sk-11-11-0402  
10271.59ft: Connection at 10272.7

12:46 10300  
12:55 10310  
13:05 10320  
13:16 10330  
13:24 10340  
13:31 10350  
13:40 10360  
14:06 10370  
14:15 10380  
14:23 10390  
14:31 10400  
14:41 10410  
14:51 10420  
15:02 10430  
15:11 10440  
15:18 10450  
16:13 10460  
16:26 10470  
16:45 10480  
16:56 10490  
17:07 10500  
17:21 10510



10311.12ft: WT.'S IN 12.9+/OUT 12.8+ VIS.@38 PH@10.0

10360.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
10360.01ft: PVT Horn Disabled  
10360.01ft: ZDiffPressure from SideKick sk-11-11-0402  
10360.01ft: PVT Horn Enabled  
10360.01ft: ZDiffPressure from SideKick sk-11-11-0402  
10360.66ft: Connection at 10363.4

10421.23ft: WT.'S IN 12.9+/12.8+ VIS.@38 PH@9.9

10450.98ft: PVT Horn Disabled  
10450.98ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
10450.98ft: PVT Horn Enabled  
10450.98ft: ZWOB from SideKick sk-11-11-0402  
10450.98ft: ZDiffPressure from SideKick sk-11-11-0402  
10451.74ft: 008TGAS-Check dryer cable (rig air)  
10451.74ft: Connection at 10454.0  
10451.74ft: TRANSFER 50BBL F/PREMIX T/ACTIVE  
10451.74ft: DOWNLINKING POWERDRIVE  
10454.00ft: IN TALLY: HOLE DEPTH SET TO 10454.0  
10459.12ft: IN 12.9+/36 OUT 12.9/37 PH 9.9  
10459.78ft: TRANSFER 30BBL F/PREMIX T/ACTIVE

10479.99ft: PVT Horn Disabled  
10479.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
10479.99ft: ZWOB from SideKick sk-11-11-0402  
10479.99ft: ZDiffPressure from SideKick sk-11-11-0402  
10480.28ft: CHANGED F/#1 PUMP T/#2 PUMP  
10481.79ft: PVT Horn Enabled

17:36 10520  
18:00 10530  
18:20 10540  
18:57 10550  
19:10 10560  
19:24 10570  
19:39 10580  
19:55 10590  
20:08 10600  
20:23 10610  
20:40 10620  
20:54 10630  
21:54 10640  
22:04 10650  
22:18 10660  
22:31 10670  
22:41 10680  
22:56 10690  
23:09 10700  
23:24 10710  
23:39 10720  
Aug 21, 2011  
00:08 10730



10525.00ft: PVT Horn Disabled  
10525.00ft: ZWOB from SideKick sk-11-11-0402  
10525.00ft: ZDiffPressure from SideKick sk-11-11-0402  
10525.36ft: X/O PUMPS  
10525.36ft: ZWOB from SideKick sk-11-11-0402  
  
10538.19ft: PVT Horn Enabled  
10543.01ft: PVT Horn Disabled  
10543.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
10543.01ft: ZDiffPressure from SideKick sk-11-11-0402  
10543.01ft: ZWOB from SideKick sk-11-11-0402  
10543.01ft: MUD VIS 35.00  
10543.01ft: MUD WEIGHT 12.80  
10543.01ft: MUD PH 10.00  
10543.01ft: PVT Horn Enabled  
10543.11ft: Connection at 10544.7  
10552.49ft: PUMPING FROM ROD WASH TO ACTIVE  
  
10633.66ft: Connection at 10635.4  
10633.99ft: PVT Horn Disabled  
10633.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
10633.99ft: 008TGAS-Check dryer cable (rig air)  
10633.99ft: ZWOB from SideKick sk-11-11-0402  
10633.99ft: ZDiffPressure from SideKick sk-11-11-0402  
10633.99ft: ZWOB from SideKick sk-11-11-0402  
10634.55ft: TAKING SPR'S  
10634.55ft: DOWN LINK TO POWERDRIVE  
10634.55ft: STARTED DEFOAMER  
10643.01ft: PVT Horn Enabled  
  
10654.99ft: MUD VIS 36.00  
10656.00ft: MUD WEIGHT 12.85  
10656.00ft: MUD PH 10.10  
  
10676.02ft: ADDING DEFOAMER  
  
10693.01ft: MUD VIS 37.00  
10693.01ft: MUD WEIGHT 12.80  
10693.01ft: MUD PH 10.10  
  
10723.85ft: Connection at 10726.1  
10724.02ft: PVT Horn Disabled  
10725.00ft: ZDiffPressure from SideKick sk-11-11-0402  
10725.56ft: ZWOB from SideKick sk-11-11-0402  
10725.98ft: PVT Horn Enabled  
10733.99ft: MUD VIS 38.00  
10733.99ft: MUD WEIGHT 12.80

10733.99ft: MUD PH 10.10

00:20 10740

00:35 10750

01:01 10760

10764.01ft: MUD VIS 38.00  
10764.01ft: MUD WEIGHT 12.85  
10764.01ft: MUD PH 10.10

01:16 10770

01:35 10780

01:51 10790

02:04 10800

10802.00ft: MUD VIS 38.00  
10802.00ft: MUD WEIGHT 12.90  
10802.00ft: MUD PH 10.20  
10810.99ft: PVT Horn Disabled  
10810.99ft: 021TGAS 01060180 SW0.30 HW31.00 - 22 days on  
10810.99ft: 008TGAS-Check dryer cable (rig air)  
10810.99ft: ZDiffPressure from SideKick sk-11-11-0402  
10810.99ft: ZWOB from SideKick sk-11-11-0402  
10814.60ft: Connection at 10816.8  
10814.60ft: SEND DOWNLINK TO BOTH TOOLS  
10817.00ft: PVT Horn Enabled

02:21 10810

03:37 10820

03:50 10830

04:03 10840

04:14 10850

10850.00ft: MUD VIS 37.00  
10850.00ft: MUD WEIGHT 12.85  
10850.00ft: MUD PH 10.20

04:26 10860

04:39 10870

04:52 10880

05:07 10890

05:19 10900

10896.00ft: MUD VIS 38.00  
10897.01ft: MUD WEIGHT 12.80  
10897.01ft: MUD PH 10.10  
10904.99ft: PVT Horn Disabled  
10904.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
10904.99ft: ZWOB from SideKick sk-11-11-0402  
10905.74ft: Connection at 10907.5  
10905.84ft: PUMP OUT CELLAR  
10906.99ft: PVT Horn Enabled

05:45 10910

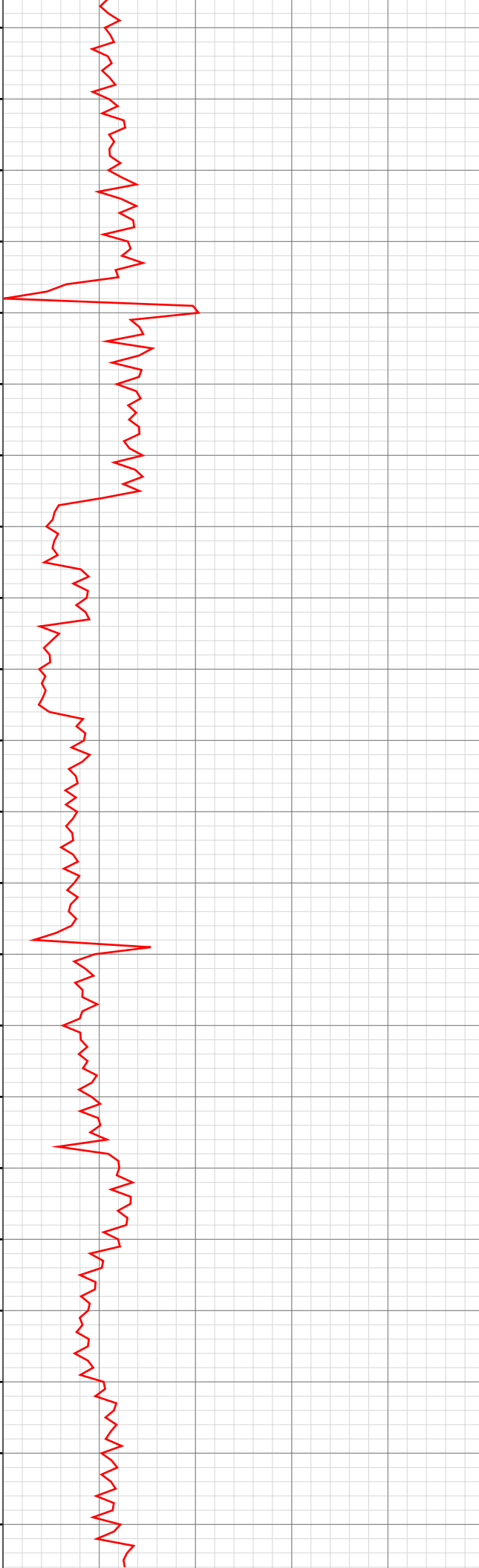
05:56 10920

06:09 10930

06:22 10940

06:34 10950

06:45 10960  
06:56 10970  
07:08 10980  
07:18 10990  
07:42 11000  
07:51 11010  
07:59 11020  
08:16 11030  
08:38 11040  
08:59 11050  
09:25 11060  
09:41 11070  
10:00 11080  
10:32 11090  
10:45 11100  
10:59 11110  
11:12 11120  
11:23 11130  
11:36 11140  
11:48 11150  
11:59 11160  
12:10 11170



10996.00ft: PVT Horn Disabled  
10996.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
10996.00ft: ZDiffPressure from SideKick sk-11-11-0402  
10996.23ft: Connection at 10998.3  
10996.23ft: ZWOB from SideKick sk-11-11-0402  
10998.00ft: IN TALLY: HOLE DEPTH SET TO 10998.3  
10998.79ft: PVT Horn Enabled

11009.02ft: IN 12.9/40 OUT 12.8+/37

11035.01ft: ZWOB from SideKick sk-11-11-0402  
11035.01ft: ZDiffPressure from SideKick sk-11-11-0402

11052.95ft: IN 12.8+/39 OUT 12.9/40 PH 10  
11054.99ft: ZWOB from SideKick sk-11-11-0402  
11054.99ft: ZDiffPressure from SideKick sk-11-11-0402

11060.01ft: 008TGAS-Check dryer cable (rig air)

11069.82ft: ADDED DEFOAMER

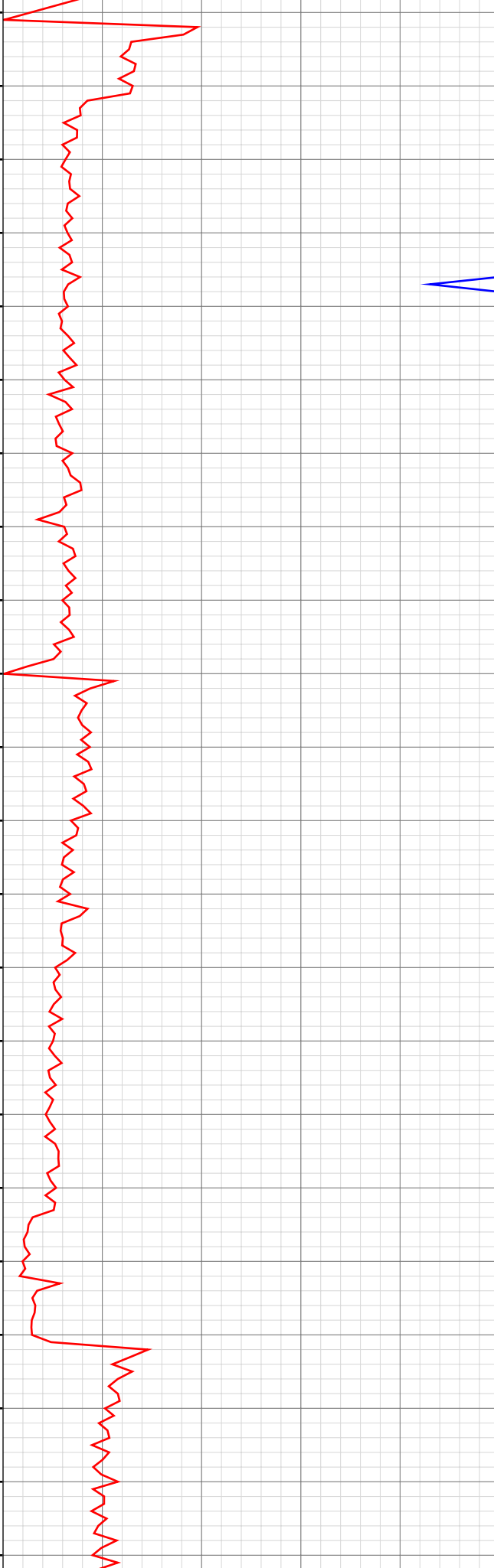
11087.01ft: PVT Horn Disabled  
11087.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
11087.01ft: ZDiffPressure from SideKick sk-11-11-0402  
11087.80ft: Connection at 11089.1  
11089.01ft: IN TALLY: HOLE DEPTH SET TO 11089.1  
11089.01ft: PVT Horn Enabled

11098.10ft: TURNED OFF DESANDER & DESILTER

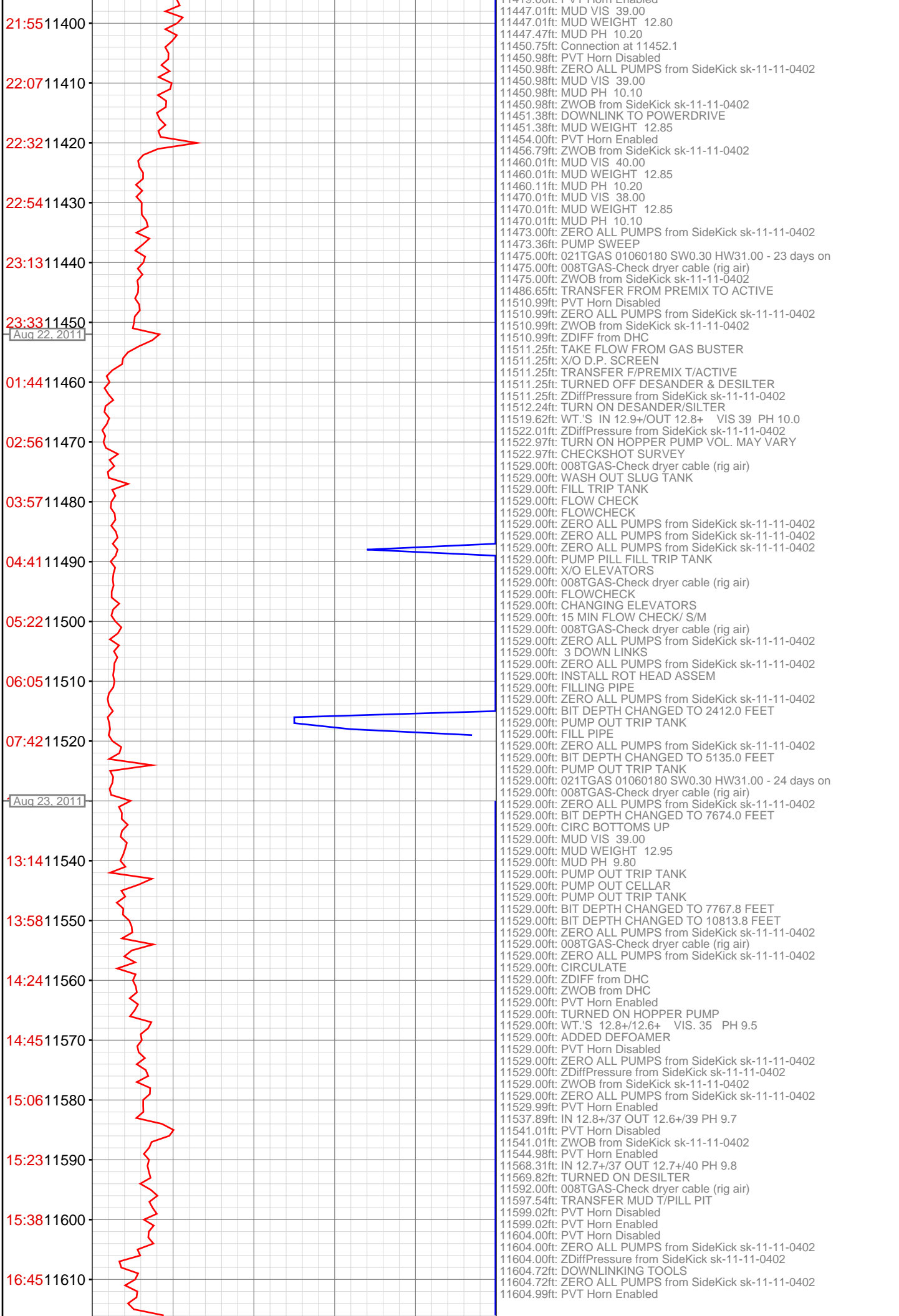
11152.82ft: IN 12.9/39 OUT 12.8+/37 PH 10.2

11177.00ft: PVT Horn Disabled

12:47 11180  
12:56 11190  
13:11 11200  
13:29 11210  
13:48 11220  
14:09 11230  
14:29 11240  
14:50 11250  
15:09 11260  
16:53 11270  
17:08 11280  
17:24 11290  
17:40 11300  
17:59 11310  
18:22 11320  
18:50 11330  
19:14 11340  
19:56 11350  
20:45 11360  
21:19 11370  
21:32 11380  
21:44 11390



11177.00ft: ZDiffPressure from SideKick sk-11-11-0402  
11177.30ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
11177.30ft: Connection at 11180.0  
11181.00ft: PVT Horn Enabled  
  
11208.07ft: IN 12.9/39 OUT 12.8/37 PH 10.2  
11209.71ft: TURNED ON DESANDER & DESILTER  
  
11256.73ft: IN 12.8+/38 OUT 12.9/40 PH 10  
11268.01ft: 008TGAS-Check dryer cable (rig air)  
11268.01ft: PVT Horn Disabled  
11268.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
11268.01ft: ZDiffPressure from SideKick sk-11-11-0402  
11268.04ft: RIG SERVICE  
11268.04ft: Connection at 11270.7  
11268.04ft: DOWNLINKIN TOOLS  
11268.04ft: IN WT 12.8 VIS 38 OUT WT 12.9 VIS 40  
11269.00ft: PVT Horn Enabled  
11270.01ft: IN TALLY: HOLE DEPTH SET TO 11270.7  
  
11324.02ft: MUD VIS 40.00  
11324.02ft: MUD WEIGHT 12.80  
11324.54ft: MUD PH 10.10  
11330.15ft: ADDING DEFOAMER  
  
11343.64ft: ADDING DEFOAMER  
11346.00ft: MUD VIS 40.00  
11346.00ft: MUD WEIGHT 12.80  
11346.00ft: MUD PH 10.10  
11349.90ft: ADDING DEFOAMER  
11352.00ft: ZDiffPressure from SideKick sk-11-11-0402  
11352.00ft: ZWOB from SideKick sk-11-11-0402  
11356.99ft: MUD VIS 39.00  
11356.99ft: MUD WEIGHT 12.80  
11356.99ft: MUD PH 10.50  
11358.99ft: PVT Horn Disabled  
11359.78ft: Connection at 11361.5  
11360.01ft: ZDiffPressure from SideKick sk-11-11-0402  
11360.01ft: ZWOB from SideKick sk-11-11-0402  
11360.99ft: PVT Horn Enabled  
  
11375.00ft: 008TGAS-Check dryer cable (rig air)  
  
11383.99ft: MUD VIS 38.00  
11383.99ft: MUD WEIGHT 12.80  
11383.99ft: MUD PH 10.40  
11418.01ft: PVT Horn Disabled  
11418.01ft: ZWOB from SideKick sk-11-11-0402  
11418.83ft: SWITCH PUMPS  
11419.00ft: PVT Horn Enabled



21:55 11400

22:07 11410

22:32 11420

22:54 11430

23:13 11440

23:33 11450

01:44 11460

02:56 11470

03:57 11480

04:41 11490

05:22 11500

06:05 11510

07:42 11520

Aug 23, 2011

13:14 11540

13:58 11550

14:24 11560

14:45 11570

15:06 11580

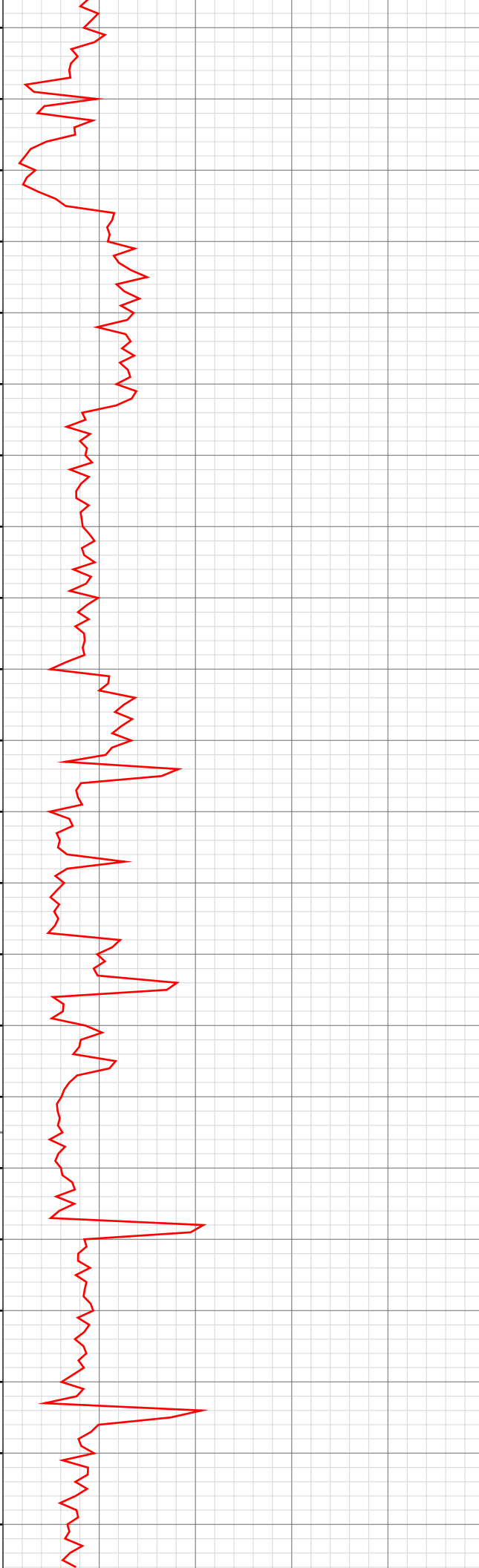
15:23 11590

15:38 11600

16:45 11610

11449.00ft: PVT Horn Enabled  
 11447.01ft: MUD VIS 39.00  
 11447.01ft: MUD WEIGHT 12.80  
 11447.47ft: MUD PH 10.20  
 11450.75ft: Connection at 11452.1  
 11450.98ft: PVT Horn Disabled  
 11450.98ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11450.98ft: MUD VIS 39.00  
 11450.98ft: MUD PH 10.10  
 11450.98ft: ZWOB from SideKick sk-11-11-0402  
 11451.38ft: DOWNLINK TO POWERDRIVE  
 11451.38ft: MUD WEIGHT 12.85  
 11454.00ft: PVT Horn Enabled  
 11456.79ft: ZWOB from SideKick sk-11-11-0402  
 11460.01ft: MUD VIS 40.00  
 11460.01ft: MUD WEIGHT 12.85  
 11460.11ft: MUD PH 10.20  
 11470.01ft: MUD VIS 38.00  
 11470.01ft: MUD WEIGHT 12.85  
 11470.01ft: MUD PH 10.10  
 11473.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11473.36ft: PUMP SWEEP  
 11475.00ft: 021TGAS 01060180 SW0.30 HW31.00 - 23 days on  
 11475.00ft: 008TGAS-Check dryer cable (rig air)  
 11475.00ft: ZWOB from SideKick sk-11-11-0402  
 11486.65ft: TRANSFER FROM PREMIX TO ACTIVE  
 11510.99ft: PVT Horn Disabled  
 11510.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11510.99ft: ZWOB from SideKick sk-11-11-0402  
 11510.99ft: ZDIFF from DHC  
 11511.25ft: TAKE FLOW FROM GAS BUSTER  
 11511.25ft: X/O D.P. SCREEN  
 11511.25ft: TRANSFER F/PREMIX T/ACTIVE  
 11511.25ft: TURNED OFF DESANDER & DESILTER  
 11511.25ft: ZDiffPressure from SideKick sk-11-11-0402  
 11512.24ft: TURN ON DESANDER/SILTER  
 11519.62ft: WT.'S IN 12.9+/OUT 12.8+ VIS 39 PH 10.0  
 11522.01ft: ZDiffPressure from SideKick sk-11-11-0402  
 11522.97ft: TURN ON HOPPER PUMP VOL. MAY VARY  
 11522.97ft: CHECKSHOT SURVEY  
 11529.00ft: 008TGAS-Check dryer cable (rig air)  
 11529.00ft: WASH OUT SLUG TANK  
 11529.00ft: FILL TRIP TANK  
 11529.00ft: FLOW CHECK  
 11529.00ft: FLOWCHECK  
 11529.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11529.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11529.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11529.00ft: PUMP PILL FILL TRIP TANK  
 11529.00ft: X/O ELEVATORS  
 11529.00ft: 008TGAS-Check dryer cable (rig air)  
 11529.00ft: FLOWCHECK  
 11529.00ft: CHANGING ELEVATORS  
 11529.00ft: 15 MIN FLOW CHECK/ S/M  
 11529.00ft: 008TGAS-Check dryer cable (rig air)  
 11529.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11529.00ft: 3 DOWN LINKS  
 11529.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11529.00ft: INSTALL ROT HEAD ASSEM  
 11529.00ft: FILLING PIPE  
 11529.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11529.00ft: BIT DEPTH CHANGED TO 2412.0 FEET  
 11529.00ft: PUMP OUT TRIP TANK  
 11529.00ft: FILL PIPE  
 11529.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11529.00ft: BIT DEPTH CHANGED TO 5135.0 FEET  
 11529.00ft: PUMP OUT TRIP TANK  
 11529.00ft: 021TGAS 01060180 SW0.30 HW31.00 - 24 days on  
 11529.00ft: 008TGAS-Check dryer cable (rig air)  
 11529.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11529.00ft: BIT DEPTH CHANGED TO 7674.0 FEET  
 11529.00ft: CIRC BOTTOMS UP  
 11529.00ft: MUD VIS 39.00  
 11529.00ft: MUD WEIGHT 12.95  
 11529.00ft: MUD PH 9.80  
 11529.00ft: PUMP OUT TRIP TANK  
 11529.00ft: PUMP OUT CELLAR  
 11529.00ft: PUMP OUT TRIP TANK  
 11529.00ft: BIT DEPTH CHANGED TO 7767.8 FEET  
 11529.00ft: BIT DEPTH CHANGED TO 10813.8 FEET  
 11529.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11529.00ft: 008TGAS-Check dryer cable (rig air)  
 11529.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11529.00ft: CIRCULATE  
 11529.00ft: ZDIFF from DHC  
 11529.00ft: ZWOB from DHC  
 11529.00ft: PVT Horn Enabled  
 11529.00ft: TURNED ON HOPPER PUMP  
 11529.00ft: WT.'S 12.8+/12.6+ VIS. 35 PH 9.5  
 11529.00ft: ADDED DEFOAMER  
 11529.00ft: PVT Horn Disabled  
 11529.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11529.00ft: ZDiffPressure from SideKick sk-11-11-0402  
 11529.00ft: ZWOB from SideKick sk-11-11-0402  
 11529.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11529.99ft: PVT Horn Enabled  
 11537.89ft: IN 12.8+/37 OUT 12.6+/39 PH 9.7  
 11541.01ft: PVT Horn Disabled  
 11541.01ft: ZWOB from SideKick sk-11-11-0402  
 11544.98ft: PVT Horn Enabled  
 11568.31ft: IN 12.7+/37 OUT 12.7+/40 PH 9.8  
 11569.82ft: TURNED ON DESILTER  
 11592.00ft: 008TGAS-Check dryer cable (rig air)  
 11597.54ft: TRANSFER MUD T/PILL PIT  
 11599.02ft: PVT Horn Disabled  
 11599.02ft: PVT Horn Enabled  
 11604.00ft: PVT Horn Disabled  
 11604.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11604.00ft: ZDiffPressure from SideKick sk-11-11-0402  
 11604.72ft: DOWNLINKING TOOLS  
 11604.72ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 11604.99ft: PVT Horn Enabled

17:04 11620  
17:31 11630  
19:25 11640  
19:48 11650  
19:57 11660  
20:07 11670  
20:21 11680  
20:36 11690  
20:49 11700  
21:04 11710  
21:15 11720  
22:44 11730  
23:03 11740  
23:20 11750  
23:35 11760  
23:50 11770  
Aug 24, 2011  
00:13 11780  
00:41 11790  
00:54 11800  
01:09 11810  
02:44 11820  
03:02 11830



11623.29ft: IN 12.8/35 OUT 12.7+/37 PH 9.4  
11627.99ft: HOOK LOAD HIGH RECALIBRATED  
11630.97ft: SURVEY  
11631.00ft: PVT Horn Disabled  
11631.00ft: MUD VIS 36.00  
11631.00ft: MUD WEIGHT 12.80  
11631.00ft: MUD PH 9.30  
11631.00ft: ZWOB from SideKick sk-11-11-0402  
11631.00ft: ZDiffPressure from SideKick sk-11-11-0402  
11631.79ft: RIG SERVICE  
11631.79ft: Connection at 11633.5  
11631.79ft: ADDING DEFOAMER  
11631.79ft: TAKING SPR'S  
11631.99ft: PVT Horn Enabled  
11639.99ft: ADDING DEFOAMER  
11642.00ft: ZWOB from SideKick sk-11-11-0402  
11642.00ft: ZWOB from SideKick sk-11-11-0402  
11654.00ft: MUD WEIGHT 12.85  
11654.00ft: MUD PH 9.60  
11654.46ft: MUD VIS 35.00  
  
11690.72ft: ADDING DEFOAMER  
  
11702.99ft: MUD VIS 36.00  
11702.99ft: MUD PH 9.70  
11703.12ft: MUD WEIGHT 12.90  
  
11722.01ft: PVT Horn Disabled  
11722.01ft: 008TGAS-Check dryer cable (rig air)  
11722.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
11722.01ft: MUD VIS 37.00  
11722.01ft: MUD WEIGHT 12.90  
11722.01ft: MUD PH 9.70  
11722.01ft: ZWOB from SideKick sk-11-11-0402  
11722.51ft: Connection at 11724.2  
11722.51ft: DOWNLINK TO POWERDRIVE  
11724.02ft: PVT Horn Enabled  
  
11737.99ft: MUD VIS 36.00  
11737.99ft: MUD WEIGHT 12.90  
11738.32ft: MUD PH 9.90  
  
11779.00ft: MUD VIS 35.00  
11779.00ft: MUD PH 9.80  
11779.20ft: MUD WEIGHT 12.90  
  
11787.01ft: ZWOB from SideKick sk-11-11-0402  
11787.53ft: PVT Horn Disabled  
11789.01ft: PVT Horn Enabled  
  
11812.01ft: MUD VIS 35.00  
11812.01ft: MUD WEIGHT 12.90  
11812.01ft: MUD PH 9.90  
11812.01ft: PVT Horn Disabled  
11812.01ft: MUD VIS 36.00  
11812.01ft: MUD WEIGHT 12.90  
11812.01ft: MUD PH 9.90  
11812.01ft: ZWOB from SideKick sk-11-11-0402  
11812.89ft: Connection at 11814.8  
11812.89ft: DOWN LINK TO POWER DRIVE  
11812.89ft: ADDING DEFOAMER  
11813.19ft: PVT Horn Enabled  
11814.70ft: PUMP OUT CELLAR  
  
11828.71ft: ADDING DEFOAMER

03:19 11840  
03:34 11850  
03:50 11860  
04:06 11870  
04:21 11880  
04:33 11890  
04:46 11900  
05:16 11910  
05:32 11920  
05:52 11930  
06:08 11940  
06:22 11950  
06:34 11960  
06:49 11970  
07:02 11980  
07:17 11990  
07:44 12000  
07:51 12010  
07:58 12020  
08:06 12030  
08:14 12040  
08:21 12050



11839.01ft: MUD VIS 35.00  
11839.01ft: MUD WEIGHT 12.90  
11839.01ft: MUD PH 9.90  
11844.00ft: 021TGAS 01060180 SW0.30 HW31.00 - 25 days on  
11844.00ft: 008TGAS-Check dryer cable (rig air)

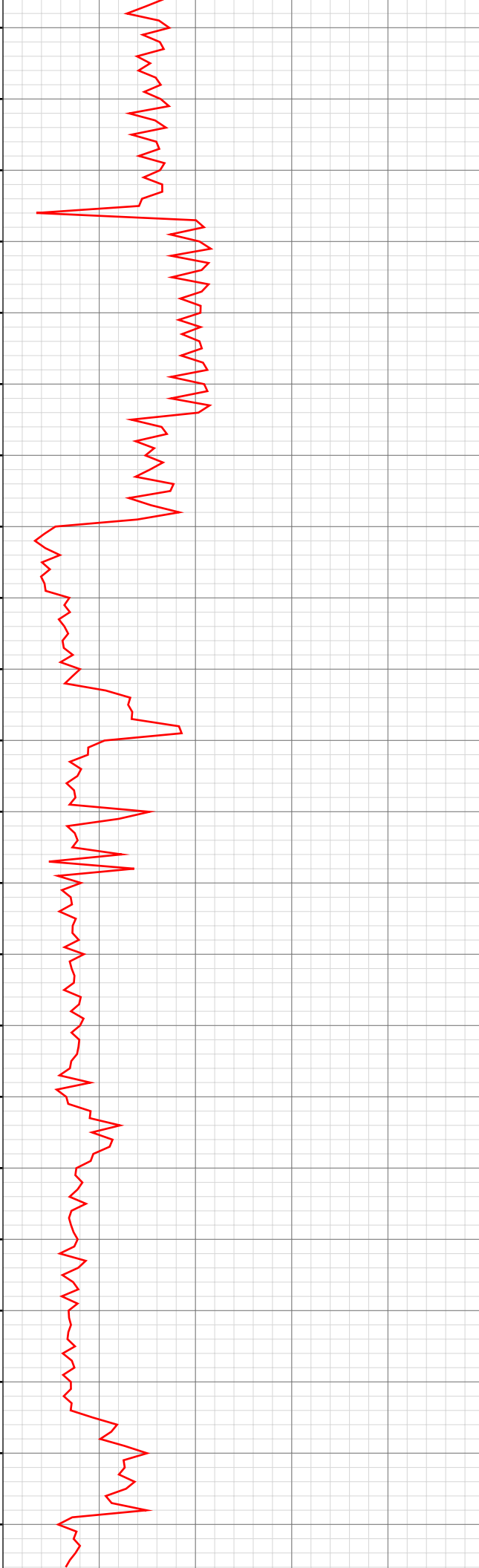
11870.18ft: ADDING DEFOAMER  
11873.00ft: MUD VIS 35.00  
11873.00ft: MUD WEIGHT 12.90  
11873.46ft: MUD PH 9.90

11902.99ft: PVT Horn Disabled  
11902.99ft: ZWOB from SideKick sk-11-11-0402  
11903.97ft: Connection at 11905.5  
11906.43ft: PVT Horn Enabled

11914.99ft: MUD VIS 36.00  
11914.99ft: MUD PH 10.00  
11915.16ft: MUD WEIGHT 12.90

11994.00ft: PVT Horn Disabled  
11994.00ft: MUD VIS 37.00  
11994.00ft: MUD WEIGHT 12.90  
11994.00ft: MUD PH 9.95  
11994.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
11994.00ft: ZWOB from SideKick sk-11-11-0402  
11994.98ft: SPR  
11994.98ft: Connection at 11996.1  
11994.98ft: ZDiffPressure from SideKick sk-11-11-0402  
11996.00ft: PVT Horn Enabled

08:29 12060  
08:37 12070  
08:45 12080  
09:16 12090  
09:21 12100  
09:28 12110  
09:35 12120  
09:47 12130  
10:15 12140  
10:32 12150  
10:42 12160  
10:57 12170  
11:32 12180  
11:49 12190  
12:04 12200  
12:24 12210  
12:37 12220  
12:54 12230  
13:11 12240  
13:27 12250  
13:40 12260  
17:14 12270



12085.01ft: PVT Horn Disabled  
12085.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
12085.01ft: PVT Horn Enabled  
12085.01ft: PVT Horn Disabled  
12085.01ft: ZDiffPressure from SideKick sk-11-11-0402  
12085.01ft: PVT Horn Enabled  
12085.99ft: SPR #2  
12085.99ft: Connection at 12086.7

12106.00ft: 008TGAS-Check dryer cable (rig air)  
12108.01ft: MUD VIS 36.00  
12108.01ft: MUD WEIGHT 12.90  
12108.01ft: MUD PH 9.70

12175.98ft: PVT Horn Disabled  
12175.98ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
12175.98ft: PVT Horn Enabled  
12176.67ft: Connection at 12177.5

12197.01ft: MUD VIS 36.00  
12197.01ft: MUD WEIGHT 12.90  
12197.01ft: MUD PH 9.65

12206.00ft: ZDiffPressure from SideKick sk-11-11-0402  
12206.00ft: ZWOB from SideKick sk-11-11-0402

12237.99ft: MUD WEIGHT 12.95  
12237.99ft: MUD PH 9.65  
12238.29ft: MUD VIS 36.00  
12251.94ft: HOPPER ON  
12267.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
12267.00ft: MUD VIS 37.00  
12267.00ft: MUD WEIGHT 12.95  
12267.00ft: PVT Horn Enabled  
12267.00ft: PVT Horn Disabled  
12267.00ft: 008TGAS-Check dryer cable (rig air)  
12267.00ft: MUD VIS 36.00  
12267.00ft: MUD WEIGHT 12.95  
12267.00ft: MUD PH 9.60  
12267.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
12267.00ft: ZDiffPressure from SideKick sk-11-11-0402  
12267.00ft: ZWOB from SideKick sk-11-11-0402  
12267.00ft: PVT Horn Enabled  
12267.55ft: PVT Horn Disabled RIG SERVICE  
12267.55ft: Connection at 12268.1 SURVEY  
12267.55ft: MUD PH 9.85  
12267.55ft: DIR WORK

12267.55ft: DOWNLINK TO POWERDRIVE AND PATHFINDER TOOLS  
12267.55ft: BOP DRILL  
12267.55ft: ROTATING  
12270.34ft: PUMP CELLAR OUT

17:32 12280

17:49 12290

18:05 12300

18:22 12310

18:39 12320

18:54 12330

19:08 12340

19:20 12350

19:54 12360

20:12 12370

20:28 12380

20:44 12390

20:58 12400

21:12 12410

21:27 12420

21:43 12430

21:57 12440

23:19 12450

23:40 12460

00:02 12470

00:28 12480

00:52 12490

12313.45ft: WT/VIS/PH: 12.9+/37/9.6

12329.20ft: PUMPING OUT CELLAR

12356.04ft: WT/VIS/PH: 12.9/36/9.7  
12356.99ft: PVT Horn Disabled  
12356.99ft: ZDiffPressure from SideKick sk-11-11-0402  
12356.99ft: ZWOB from SideKick sk-11-11-0402  
12357.84ft: Connection at 12358.8  
12360.53ft: PVT Horn Enabled

12382.02ft: WT/VIS/PH: 12.9/39/9.6

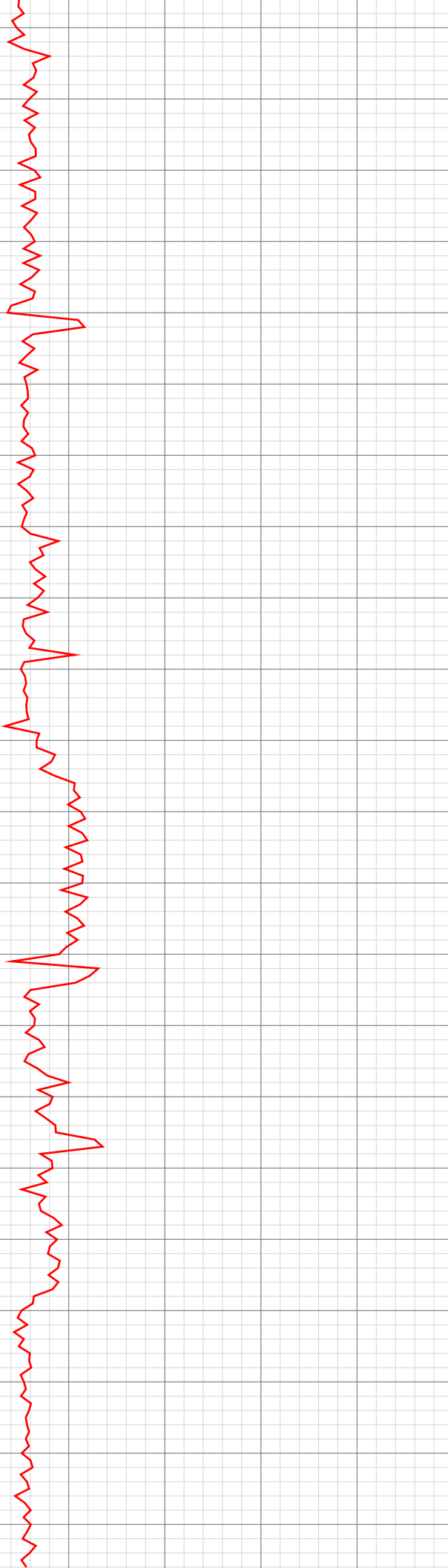
12419.00ft: 008TGAS-Check dryer cable (rig air)  
12421.69ft: WT/VIS/PH: 12.9/37/9.5

12448.00ft: PVT Horn Disabled  
12448.00ft: ZWOB from SideKick sk-11-11-0402  
12448.00ft: ZDiffPressure from SideKick sk-11-11-0402  
12448.85ft: Connection at 12449.6  
12448.85ft: WT/VIS/PH: 12.9/37/9.6  
12449.02ft: PVT Horn Enabled  
12455.12ft: WT/VIS/PH: 12.8+/38/9.7

12481.66ft: WT/VIS/PH: 12.8/37/9.6  
12482.55ft: ADDING BARITE

Aug 25, 2011

01:15 12500  
01:35 12510  
01:56 12520  
02:18 12530  
04:18 12540  
04:36 12550  
04:57 12560  
05:19 12570  
05:38 12580  
05:59 12590  
06:18 12600  
06:32 12610  
06:43 12620  
07:21 12630  
07:38 12640  
07:54 12650  
08:08 12660  
08:24 12670  
08:43 12680  
09:05 12690  
09:25 12700  
09:46 12710



12536.88ft: WT/VIS/PH: 13.0/38/9.7  
12539.01ft: PVT Horn Disabled  
12539.01ft: 021TGAS 01060180 SW0.30 HW31.00 - 26 days on  
12539.01ft: 008TGAS-Check dryer cable (rig air)  
12539.01ft: ZDiffPressure from SideKick sk-11-11-0402  
12539.01ft: ZWOB from SideKick sk-11-11-0402  
12539.86ft: DOWN LINKING  
12539.86ft: Connection at 12540.3  
12539.86ft: WT/VIS/PH: 13.0+/39/9.6  
12547.08ft: WT/VIS/PH: 12.9+/37/9.5

12555.87ft: PUMPING OUT CELLAR

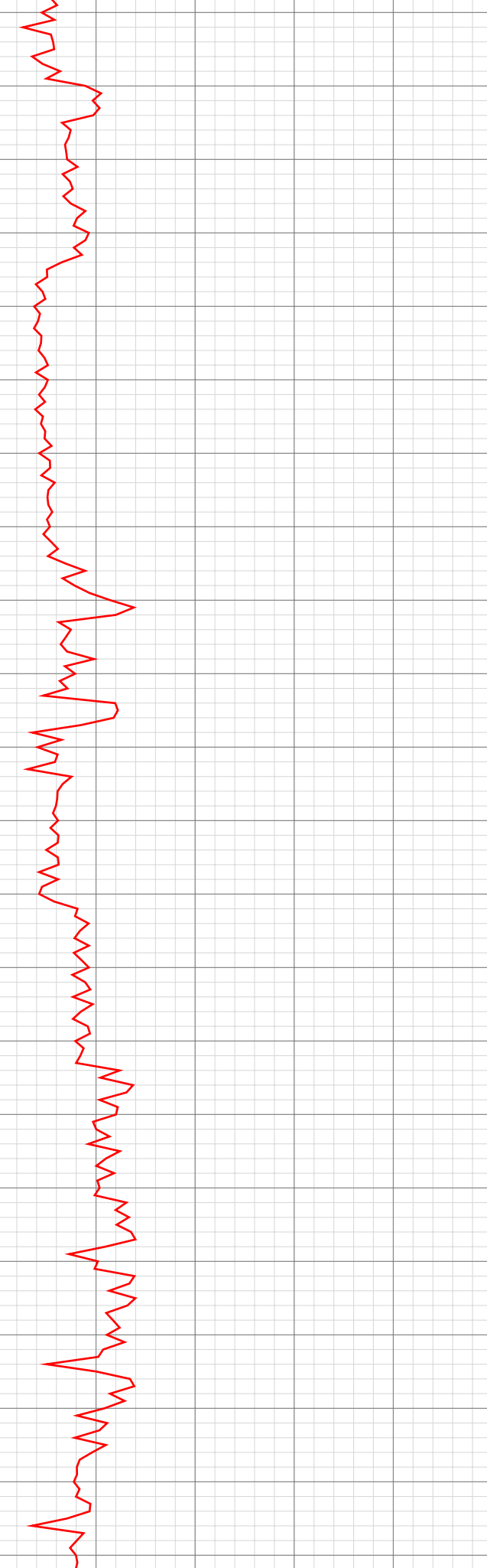
12576.02ft: WT/VIS/PH: 12.9/37/9.6

12629.99ft: PVT Horn Disabled  
12629.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
12629.99ft: ZWOB from SideKick sk-11-11-0402  
12629.99ft: ZDiffPressure from SideKick sk-11-11-0402  
12630.77ft: SPR  
12630.77ft: Connection at 12630.9 SURVEY  
12630.77ft: SPR #1 PUMP  
12630.77ft: SURVEY @ 12576md(7778tvd) 87.14inc 154.00az  
12631.00ft: PVT Horn Enabled

12645.01ft: MUD WEIGHT 12.90  
12645.01ft: MUD PH 9.70  
12646.00ft: MUD VIS 37.00

12700.00ft: 008TGAS-Check dryer cable (rig air)  
12703.87ft: TRANSFER FROM ACTIVE TO PILL TANK  
12708.66ft: TRANSFER COMPLETE  
12717.00ft: MUD VIS 36.00  
12717.00ft: MUD WEIGHT 12.90

10:08 12720  
10:53 12730  
11:08 12740  
11:23 12750  
11:45 12760  
12:12 12770  
12:40 12780  
13:04 12790  
13:19 12800  
13:34 12810  
15:15 12820  
15:39 12830  
16:01 12840  
16:14 12850  
16:28 12860  
16:40 12870  
16:52 12880  
17:03 12890  
17:12 12900  
18:12 12910  
18:26 12920  
18:44 12930



12717.00ft: MUD WEIGHT 12.90  
12718.01ft: MUD PH 9.60  
12721.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
12721.00ft: PVT Horn Disabled  
12721.00ft: PVT Horn Enabled  
12721.49ft: Connection at 12721.5 SURVEY  
12721.49ft: SURVEY @ 12666md(7778tvd) 86.64inc 154.73az  
12721.49ft: HOPPER ON

12754.99ft: MUD VIS 40.00  
12754.99ft: MUD WEIGHT 12.90  
12759.38ft: HOPPER CLOSED

12789.01ft: MUD VIS 40.00  
12789.01ft: MUD WEIGHT 12.90  
12789.01ft: MUD PH 9.45

12812.01ft: PVT Horn Disabled  
12812.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
12812.01ft: PVT Horn Enabled  
12812.01ft: MUD VIS 40.00  
12812.01ft: MUD PH 9.65  
12812.01ft: PVT Horn Disabled  
12812.01ft: PVT Horn Enabled  
12812.47ft: Connection at 12812.2  
12812.47ft: SURVEY @ 12758md(7787tvd) 87.59inc 154.78az RIG SERVICE  
12812.47ft: MUD WEIGHT 12.90  
12812.47ft: DOWN LINK DIR TOOL  
12824.02ft: 008TGAS-Check dryer cable (rig air)

12837.99ft: MUD VIS 39.00  
12839.01ft: MUD WEIGHT 12.95  
12839.01ft: MUD PH 9.90

12900.00ft: MUD VIS 38.00  
12900.00ft: MUD WEIGHT 12.95  
12901.31ft: MUD PH 9.80  
12902.99ft: PVT Horn Disabled  
12902.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
12902.99ft: PVT Horn Enabled  
12902.99ft: ZDiffPressure from SideKick sk-11-11-0402  
12903.48ft: Connection at 12902.8

12922.87ft: WT/VIS/PH: 13.0/39/9.6

19:01 12940  
19:18 12950  
19:33 12960  
19:44 12970  
19:57 12980  
20:08 12990  
21:38 13000  
21:48 13010  
21:57 13020  
22:08 13030  
22:18 13040  
22:26 13050  
22:36 13060  
22:46 13070  
22:56 13080  
Aug 26, 2011  
01:14 13090  
01:34 13100  
02:10 13110  
02:39 13120  
02:58 13130  
13:21 13140  
13:49 13150



12956.96ft: WT/VIS/PH: 13.0/38/9.5

12993.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
12993.01ft: PVT Horn Disabled  
12993.01ft: 008TGAS-Check dryer cable (rig air)  
12993.01ft: ZDiffPressure from SideKick sk-11-11-0402  
12993.21ft: DOWN LINK PATHFINDER  
12993.21ft: WT/VIS/PH: 13.0/39/9.7  
12993.21ft: Connection at 12993.4  
12993.21ft: SURVEY : 12943' MD : Inc. = 86.36 : Azm = 154.82  
12993.21ft: WT/VIS/PH: 13.0/40/9.9  
12993.21ft: ZWOB from SideKick sk-11-11-0402  
12995.01ft: PVT Horn Enabled

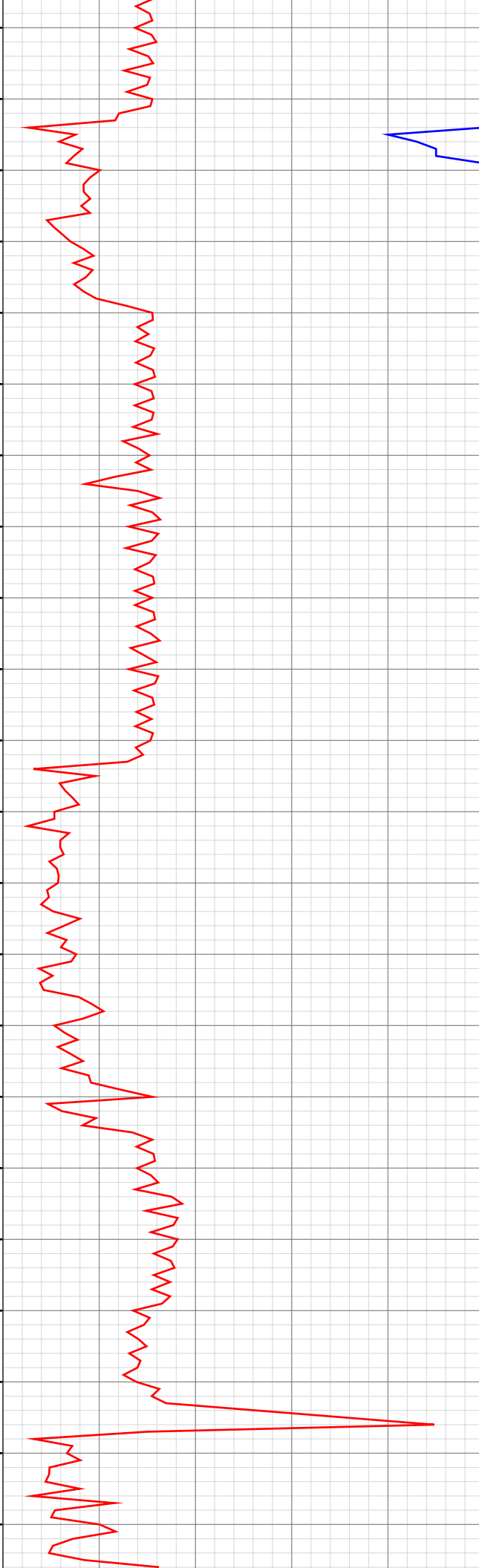
13053.35ft: WT/VIS/PH: 12.9+/39/10.0

13081.99ft: PVT Horn Disabled  
13083.01ft: HOOKLOAD WAS RECALIBRATED  
13083.01ft: ZWOB from SideKick sk-11-11-0402  
13083.01ft: ZDiffPressure from SideKick sk-11-11-0402  
13083.17ft: SURVEY : 13031' MD : Inc. = 85.12 : Azm = 156.61 : VS =6128  
13083.17ft: WT/VIS/PH: 12.9/40/9.6  
13083.17ft: WT/VIS/PH: 12.9/39/9.6  
13083.17ft: ADDING BARITE  
13083.17ft: Connection at 13084.1  
13089.01ft: PVT Horn Enabled

13098.39ft: WT/VIS/PH: 13.0+/39/9.7

13112.01ft: ZDiffPressure from SideKick sk-11-11-0402  
13112.01ft: ZWOB from SideKick sk-11-11-0402  
13114.90ft: WT/VIS/PH: 13.0+/41/9.6  
13133.01ft: 008TGAS-Check dryer cable (rig air)  
13133.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
13133.01ft: PVT Horn Disabled  
13133.01ft: 008TGAS-Check dryer cable (rig air)  
13133.01ft: ZDiffPressure from SideKick sk-11-11-0402  
13133.01ft: ZDiffPressure from SideKick sk-11-11-0402  
13133.17ft: SENDING LCM PILL  
13133.17ft: 021TGAS 01060180 SW0.30 HW31.00 - 27 days on  
13133.17ft: FILL TRIP T.TANK UP TO 50BLS TO CIR OVER HOLE  
13133.17ft: START TRANSFER FROM PREMIX TO ACTIVE  
13133.17ft: PUMP CELLAR OUT  
13133.17ft: FILL TRIP TANK UP  
13133.17ft: BUILDING MUD DOE TO LOSSES WROK PIPE  
13133.17ft: TRANSFER F/PREMIX TO ACTIVE  
13133.17ft: 40BBL LCM SWEEP 25PPBL  
13133.17ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
13133.17ft: SURVEY @ 13031md(7802tvd) 85.12inc 156.61az  
13142.68ft: TRANSFER FROM T.T TO ACTIVE  
13146.85ft: TRANSFER F/PREMIX TO ACTIVE

13:57 13160  
14:05 13170  
14:57 13180  
15:34 13190  
15:46 13200  
15:54 13210  
16:02 13220  
16:12 13230  
16:20 13240  
16:28 13250  
16:36 13260  
17:17 13270  
17:43 13280  
18:04 13290  
18:27 13300  
18:42 13310  
18:54 13320  
19:02 13330  
19:10 13340  
19:17 13350  
20:53 13360  
21:18 13370



13160.79ft: SWEEP  
13164.01ft: MUD VIS 39.00  
13164.99ft: MUD WEIGHT 12.90  
13164.99ft: MUD PH 9.50  
13173.00ft: PVT Horn Disabled  
13173.00ft: ZDIFF from DHC  
13173.00ft: PVT Horn Enabled  
13173.43ft: Connection at 13174.7 SURVEY  
13173.43ft: SURVEY @ 13177md(7809tvd) 85.12inc 157.26az  
13173.43ft: TRANSFER FROM ACTIVE TO PILL TANK

13187.99ft: 008TGAS-Check dryer cable (rig air)  
13187.99ft: ZDiffPressure from SideKick sk-11-11-0402  
13187.99ft: MUD WEIGHT 12.90  
13187.99ft: MUD PH 9.45  
13188.48ft: MUD VIS 40.00  
13195.93ft: TRANSFER PREMIX TO ACTIVE

13211.75ft: TRAN F/ ACTIVE TO PILL TANK

13261.12ft: RIG SERVICE  
13262.99ft: MUD VIS 39.00  
13262.99ft: MUD WEIGHT 12.90  
13262.99ft: MUD PH 9.50  
13262.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
13262.99ft: PVT Horn Disabled  
13262.99ft: ZDiffPressure from SideKick sk-11-11-0402  
13262.99ft: ZWOB from SideKick sk-11-11-0402  
13262.99ft: PVT Horn Enabled  
13263.06ft: SPR  
13263.06ft: Connection at 13265.4 SURVEY  
13263.06ft: SURVEY @ 13208md(7816tvd) 85.68inc 157.17az

13294.00ft: ZDiffPressure from SideKick sk-11-11-0402  
13294.00ft: ZWOB from SideKick sk-11-11-0402

13301.41ft: WT/VIS/PH: 12.8+/41/9.0

13352.99ft: PVT Horn Disabled  
13352.99ft: ZWOB from SideKick sk-11-11-0402  
13352.99ft: ZDiffPressure from SideKick sk-11-11-0402  
13354.00ft: WT/VIS/PH: 12.8+/39/9.4  
13354.00ft: DOWNLINKING PATHFINDER  
13354.00ft: WT/VIS/PH: 12.9/38/9.5  
13354.00ft: Connection at 13356.0  
13356.00ft: IN TALLY: HOLE DEPTH SET TO 13356.0  
13356.99ft: PVT Horn Enabled

13369.00ft: ZWOB from SideKick sk-11-11-0402  
13369.29ft: ZWOB from SideKick sk-11-11-0402

13374.02ft: 008TGAS-Check dryer cable (rig air)

21:32 13380

13377.92ft: WT/VIS/PH: 12.9/41/9.6

21:42 13390

13386.29ft: ADDING DEFOAMER  
13388.39ft: SURVEY: 13303' MD : Inc. = 85.62 : Azm. = 157.222 : VS=6399

22:04 13400

22:14 13410

22:25 13420

13424.18ft: WT/VIS/PH: 12.9/41/9.5

22:37 13430

22:47 13440

13444.00ft: PVT Horn Disabled  
13444.00ft: ZWOB from SideKick sk-11-11-0402  
13444.00ft: ZDiffPressure from SideKick sk-11-11-0402  
13444.00ft: PVT Horn Enabled  
13444.69ft: Connection at 13446.6  
13444.69ft: SURVEY: 13393' MD : Inc = 85.96 : Azm = 157.14 : VS = 6489'  
13444.69ft: ZDiffPressure from SideKick sk-11-11-0402

23:13 13450

23:19 13460

23:25 13470

23:32 13480

13476.38ft: WT/VIS/PH: 12.8+/41/9.8

23:39 13490

23:45 13500

23:51 13510

23:57 13520

Aug 27, 2011

00:05 13530

13531.00ft: PVT Horn Disabled  
13531.00ft: ZWOB from SideKick sk-11-11-0402  
13531.00ft: ZDiffPressure from SideKick sk-11-11-0402  
13531.89ft: Connection at 13537.3  
13531.89ft: SURVEY: 13484' MD : Inc = 85.79 : Azm = 157.63 : VS = 6580'  
13531.99ft: IN TALLY: HOLE DEPTH SET TO 13537.3

00:21 13540

13542.68ft: PVT Horn Enabled

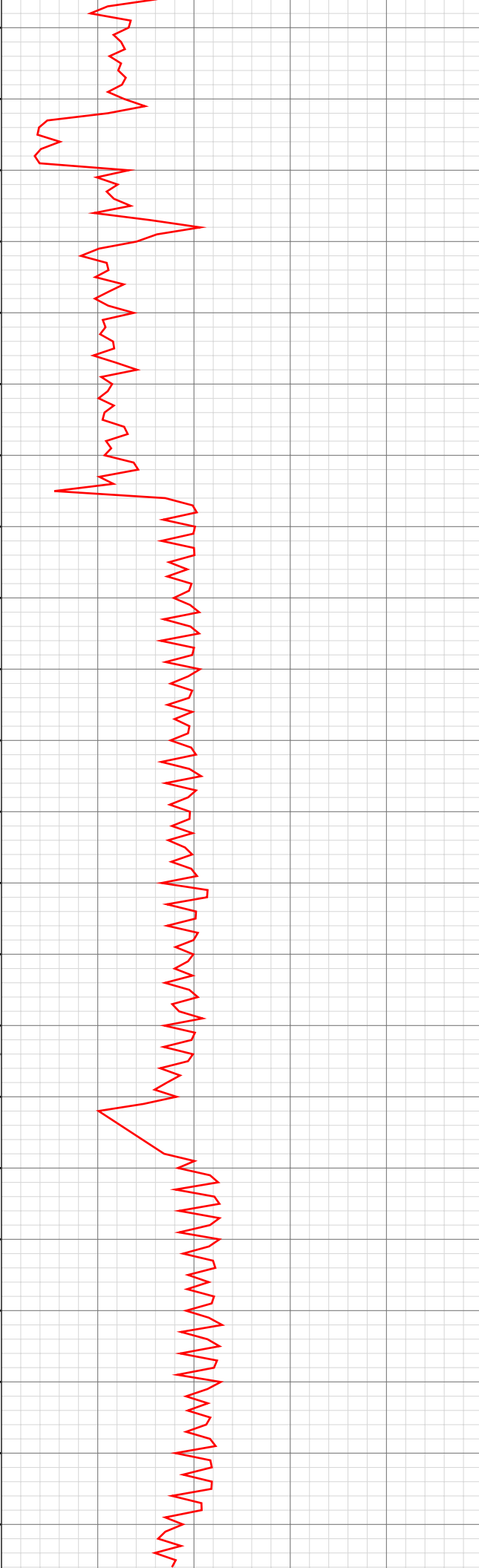
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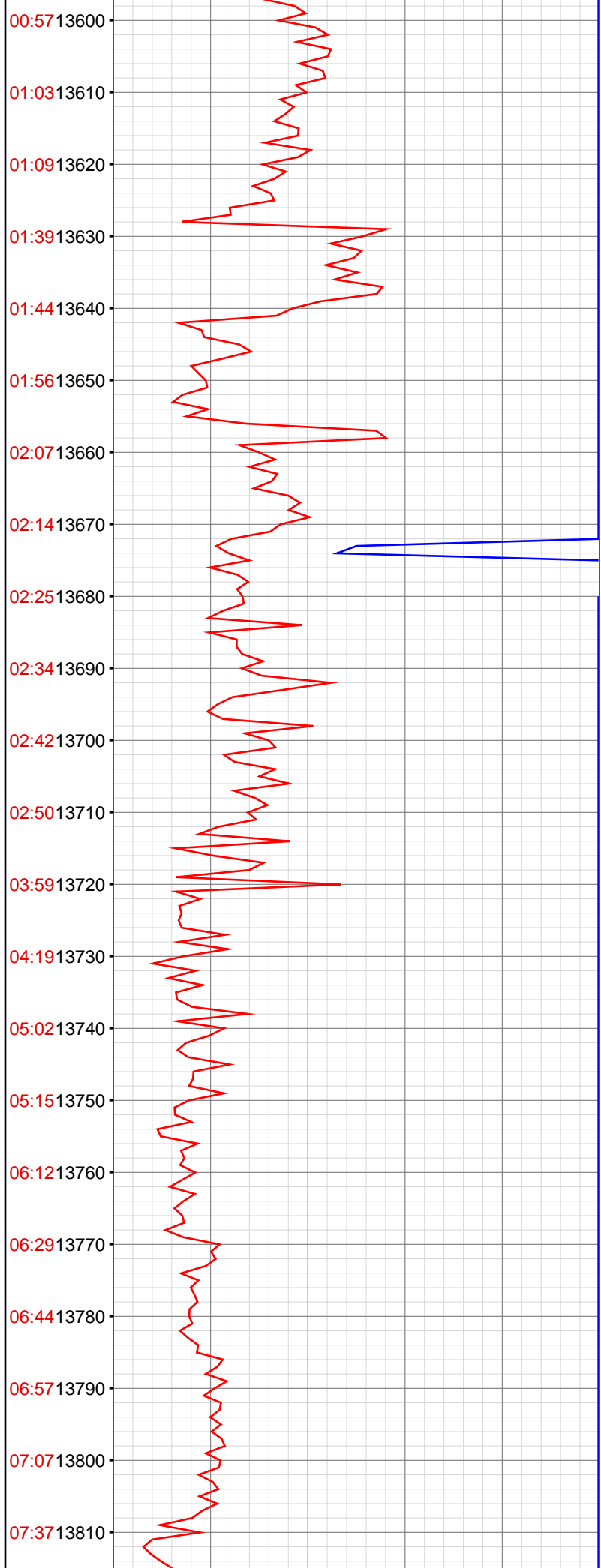
00:32 13560

00:38 13570

00:44 13580

00:51 13590





13627.00ft: PVT Horn Disabled  
 13627.00ft: ZDiffPressure from SideKick sk-11-11-0402  
 13627.00ft: ZWOB from SideKick sk-11-11-0402  
 13627.26ft: Connection at 13628.0  
 13627.26ft: WT/VIS/PH: 12.8/42/9.7  
 13627.26ft: SURVEY: 13574' : Inc = 85.96 : Azm = 158.43 : VS = 6670'  
 13629.99ft: PVT Horn Enabled

13718.01ft: PVT Horn Disabled  
 13718.01ft: 021TGAS 01060180 SW0.30 HW31.00 - 28 days on  
 13718.01ft: 008TGAS-Check dryer cable (rig air)  
 13718.01ft: ZWOB from SideKick sk-11-11-0402  
 13718.01ft: ZDiffPressure from SideKick sk-11-11-0402  
 13718.34ft: Connection at 13718.6  
 13718.34ft: SURVEY: 13665' : Inc = 86.07 : Azm = 158.61 : VS = 6760  
 13718.34ft: DOWNLINKING PATHFINDER  
 13718.34ft: WT/VIS/PH: 12.8/40/9.7  
 13718.34ft: ADDING DEFOAMER  
 13723.00ft: PVT Horn Enabled  
 13729.99ft: ZWOB from SideKick sk-11-11-0402  
 13729.99ft: ZDiffPressure from SideKick sk-11-11-0402  
 13729.99ft: ZWOB from SideKick sk-11-11-0402  
 13733.01ft: PVT Horn Disabled  
 13735.99ft: PVT Horn Enabled  
 13736.02ft: PUMPING OUT CELLAR  
 13739.01ft: PVT Horn Disabled  
 13739.01ft: ZWOB from SideKick sk-11-11-0402  
 13739.01ft: ZDiffPressure from SideKick sk-11-11-0402  
 13741.01ft: PVT Horn Enabled

13754.00ft: PVT Horn Disabled  
 13754.82ft: WT/VIS/PH: 12.9/41/9.7  
 13754.99ft: PVT Horn Enabled

13772.01ft: MUD VIS 41.00  
 13772.01ft: MUD WEIGHT 12.90  
 13772.01ft: MUD PH 9.70

13780.48ft: SURVEY @ 13665md(7849tvd) 86.07inc 158.61az

13808.01ft: PVT Horn Disabled  
 13808.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
 13808.01ft: ZDiffPressure from SideKick sk-11-11-0402  
 13808.01ft: ZWOB from SideKick sk-11-11-0402  
 13808.20ft: Connection at 13809.2 SURVEY  
 13808.20ft: SURVEY @ 13754md(7855tvd) 85.63inc 158.53az  
 13810.01ft: MUD VIS 37.00  
 13810.01ft: MUD WEIGHT 12.90

08:03 13820

13810.01ft: MUD PH 9.70  
13810.01ft: PVT Horn Enabled

08:31 13830

08:59 13840

13841.01ft: MUD VIS 39.00  
13841.01ft: MUD WEIGHT 12.90  
13841.01ft: MUD PH 9.50

09:18 13850

13854.00ft: 008TGAS-Check dryer cable (rig air)

09:37 13860

10:01 13870

13872.67ft: HOPPER ON

10:21 13880

13881.33ft: OFF

10:35 13890

13896.00ft: MUD VIS 41.00  
13896.00ft: MUD WEIGHT 12.90  
13896.00ft: MUD PH 9.70

11:05 13900

13898.00ft: PVT Horn Enabled  
13898.62ft: PUMP CELLAR OUT  
13899.02ft: PVT Horn Disabled  
13899.02ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
13899.21ft: Connection at 13897.9 SURVEY  
13899.21ft: SURVEY @ 13845md(7863tvd) 84.78inc 159.02az

11:29 13910

11:46 13920

13921.00ft: MUD VIS 40.00  
13921.00ft: MUD WEIGHT 12.90  
13921.00ft: MUD PH 9.75

12:10 13930

13933.99ft: PVT Horn Disabled  
13933.99ft: PVT Horn Enabled

12:38 13940

12:58 13950

13:19 13960

13:38 13970

13969.03ft: TURN OFF DESANDER DESILTER

13:58 13980

13985.01ft: PVT Horn Disabled  
13985.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
13985.01ft: MUD VIS 39.00  
13985.01ft: MUD WEIGHT 12.90  
13985.01ft: MUD PH 9.80  
13985.01ft: ZDiffPressure from SideKick sk-11-11-0402  
13985.01ft: PVT Horn Enabled  
13985.14ft: RIG SERVICE  
13985.43ft: SURVEY @ 13930md(7870tvd) 85.07inc 160.25az  
13985.43ft: Connection at 13988.6 ROTATING

14:40 13990

14:59 14000

15:25 14010

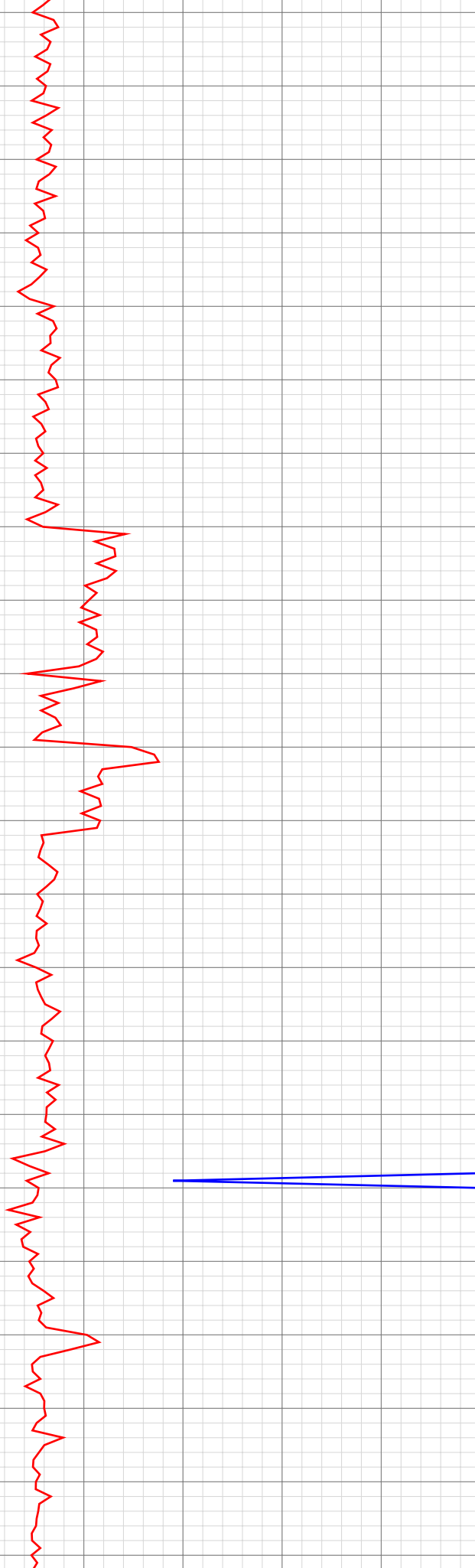
14010.01ft: 008TGAS-Check dryer cable (rig air)

15:42 14020

16:04 14030

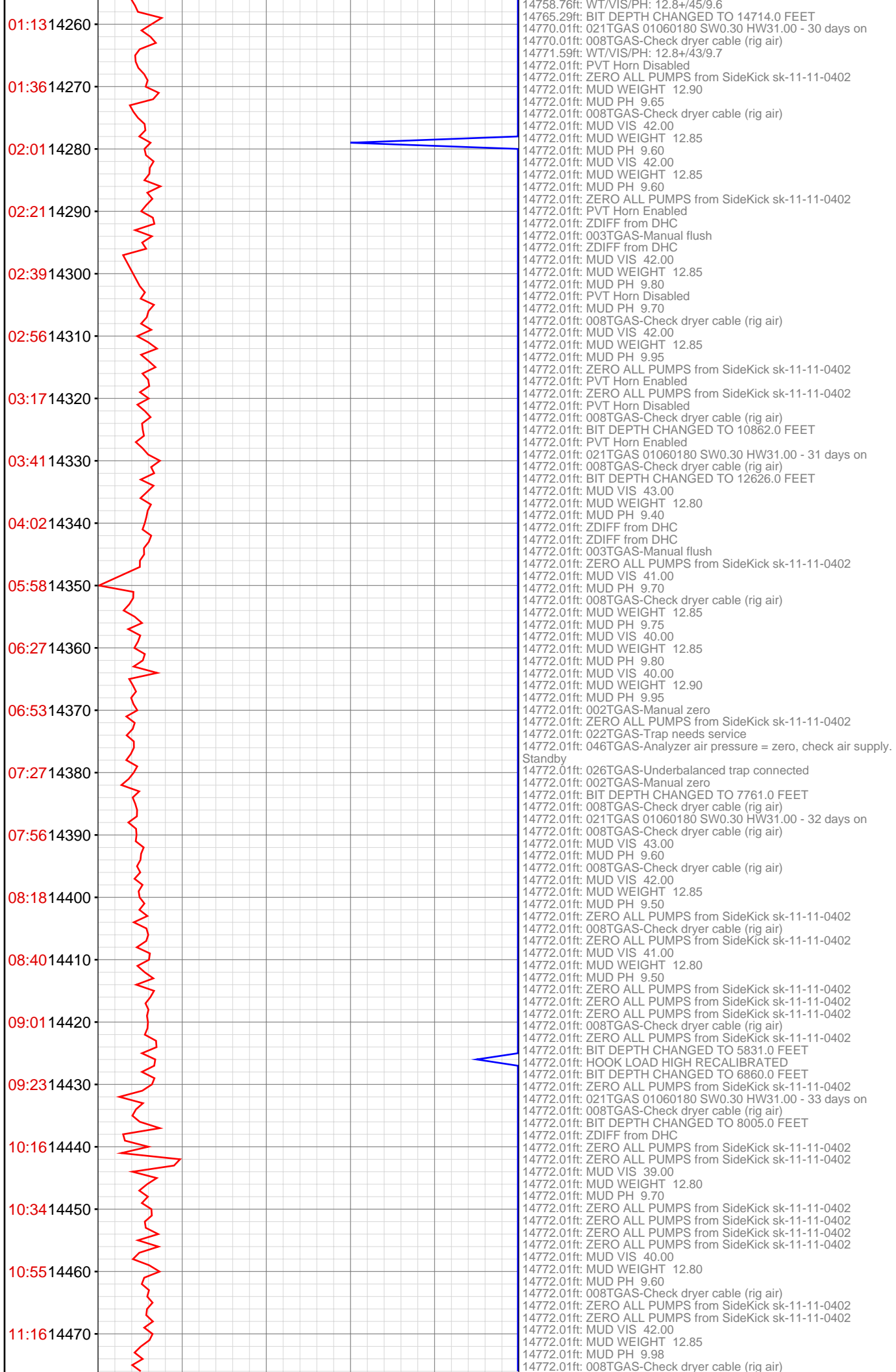
14035.01ft: PVT Horn Disabled  
14035.99ft: PVT Horn Enabled  
14077.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14077.00ft: ZDiffPressure from SideKick sk-11-11-0402  
14077.00ft: ZWOB from SideKick sk-11-11-0402  
14077.00ft: PVT Horn Enabled

16:31 14040  
16:48 14050  
17:09 14060  
17:30 14070  
18:17 14080  
18:34 14090  
18:53 14100  
19:15 14110  
19:25 14120  
19:51 14130  
20:07 14140  
20:16 14150  
20:35 14160  
21:20 14170  
21:41 14180  
22:00 14190  
22:21 14200  
22:56 14210  
23:17 14220  
23:40 14230  
00:02 14240  
00:22 14250



14077.72ft: PVI Horn Disabled  
14077.92ft: Connection at 14079.3  
14077.92ft: SURVEY @ 14023md(7870tvd) 85.07inc 160.25az  
14088.29ft: WT/VIS/PH: 12.9/45/9.5  
14124.11ft: WT/VIS/PH: 12.9/42/9.6  
14127.99ft: PVT Horn Disabled  
14127.99ft: ZDiffPressure from SideKick sk-11-11-0402  
14127.99ft: ZWOB from SideKick sk-11-11-0402  
14127.99ft: PVT Horn Enabled  
14156.99ft: WT/VIS/PH: 12.9/43/9.6  
14168.01ft: PVT Horn Disabled  
14168.01ft: ZDiffPressure from SideKick sk-11-11-0402  
14168.87ft: Connection at 14169.9  
14168.87ft: SURVEY: 14116' MD : Inc = 85.29 : Azm = 160.28 : VS = 7209'  
14168.87ft: ZWOB from SideKick sk-11-11-0402  
14169.00ft: PVT Horn Enabled  
14172.01ft: 008TGAS-Check dryer cable (rig air)  
14202.36ft: WT/VIS/PH: 12.9/41/9.7  
14226.38ft: WT/VIS/PH: 12.9/41/9.7  
14253.15ft: WT/VIS/PH: 12.9/43/9.7  
14256.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14256.00ft: PVT Horn Disabled  
14256.00ft: ZDiffPressure from SideKick sk-11-11-0402  
14256.00ft: ZWOB from SideKick sk-11-11-0402  
14256.20ft: Connection at 14260.5  
14256.20ft: SURVEY: 14207' MD : Inc = 86.07 : Azm = 160.20 : VS = 7300'  
14256.99ft: PVT Horn Enabled  
14266.96ft: WT/VIS/PH: 12.9/42/9.5  
14295.01ft: WT/VIS/PH: 12.9/40/9.5  
14323.00ft: 021TGAS 01060180 SW0.30 HW31.00 - 29 days on  
14323.00ft: 008TGAS-Check dryer cable (rig air)  
14325.69ft: WT/VIS/PH: 12.9/42/9.5  
14347.01ft: PVT Horn Disabled  
14347.01ft: ZDiffPressure from SideKick sk-11-11-0402  
14347.41ft: Connection at 14351.2  
14347.41ft: DOWN LINKING  
14347.41ft: WT/PH/VIS:12.9/9.5/42  
14347.41ft: SURVEY: 14288' MD : Inc = 88.54 : Azm = 160.20 : VS = 7380  
14347.41ft: ZWOB from SideKick sk-11-11-0402  
14350.00ft: BIT DEPTH CHANGED TO 14350.0 FEET  
14351.02ft: PVT Horn Enabled  
14363.19ft: TRANS T.T TO ACTIVE  
14376.94ft: SWEEP  
14404.99ft: MUD VIS 41.00  
14404.99ft: MUD WEIGHT 12.90  
14404.99ft: MUD PH 9.65  
14412.96ft: TRANSFER PREMIX TO ACTIVE  
14431.99ft: MUD WEIGHT 12.90  
14431.99ft: MUD PH 9.60  
14432.64ft: MUD VIS 41.00  
14439.99ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14439.99ft: PVT Horn Disabled  
14439.99ft: ZDiffPressure from SideKick sk-11-11-0402  
14439.99ft: PVT Horn Enabled  
14440.03ft: Connection at 14441.8 SURVEY  
14449.02ft: MUD VIS 42.00  
14449.02ft: MUD WEIGHT 12.90  
14449.51ft: MUD PH 9.55  
14483.01ft: MUD VIS 43.00  
14483.01ft: MUD WEIGHT 12.90  
14483.01ft: MUD PH 9.50  
14524.02ft: MUD VIS 40.00  
14524.02ft: MUD WEIGHT 12.90  
14524.02ft: MUD PH 9.75  
14531.00ft: PVT Horn Disabled  
14531.00ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14531.10ft: Connection at 14532.5 SURVEY  
14531.99ft: PVT Horn Enabled  
14569.98ft: 008TGAS-Check dryer cable (rig air)  
14575.95ft: MUD VIS 44.00  
14575.95ft: MUD WEIGHT 12.90  
14575.98ft: MUD PH 9.65  
14589.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14589.01ft: PVT Horn Disabled  
14589.01ft: ZDiffPressure from SideKick sk-11-11-0402  
14592.65ft: PVT Horn Enabled  
14621.88ft: RIG SERVICE  
14622.01ft: PVT Horn Disabled  
14622.01ft: MUD VIS 44.00  
14622.01ft: MUD WEIGHT 12.85  
14622.01ft: MUD PH 9.80  
14622.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14622.01ft: ZWOB from SideKick sk-11-11-0402  
14622.01ft: ZDiffPressure from SideKick sk-11-11-0402  
14622.18ft: SPR  
14622.18ft: SURVEY: 14570' MD : Inc = 90.22 : Azm = 155.71 : VS = 7662'  
14622.18ft: Connection at 14623.3  
14623.00ft: PVT Horn Enabled  
14625.76ft: PUMPING OUT CELLAR  
14626.58ft: WT/VIS/PH: 12.8+/42/9.5  
14648.46ft: WT/VIS/PH: 12.8+/43/9.5  
14672.84ft: WT/VIS/PH: 12.9/43/9.7  
14687.66ft: ADDING DEFOAMER  
14689.99ft: 008TGAS-Check dryer cable (rig air)  
14691.70ft: WT/VIS/PH: 12.8+/43/9.5  
14697.01ft: PUMPING OUT CELLAR  
14710.50ft: WT/VIS/PH: 12.8+/43/9.7  
14710.99ft: PVT Horn Disabled  
14710.99ft: ZWOB from SideKick sk-11-11-0402  
14710.99ft: ZDiffPressure from SideKick sk-11-11-0402  
14710.99ft: IN TALLY: HOLE DEPTH SET TO 14714.0  
14711.61ft: Connection at 14714.0  
14711.61ft: SURVEY: 14661' MD : Inc = 88.99 : Azm = 154.96 : VS = 7753'  
14716.31ft: PVT Horn Enabled  
14722.80ft: WT/VIS/PH: 12.8+/44/9.7  
14729.00ft: ZDiffPressure from SideKick sk-11-11-0402  
14729.76ft: ZWOB from SideKick sk-11-11-0402  
14733.01ft: ZWOB from SideKick sk-11-11-0402  
14733.01ft: ZDiffPressure from SideKick sk-11-11-0402  
14734.29ft: WT/VIS/PH: 12.8+/44/9.8  
14746.82ft: WT/VIS/PH: 12.9/45/9.6  
14750.98ft: BIT DEPTH CHANGED TO 14765.0 FEET  
14750.98ft: HOLE DEPTH CHANGED TO 14714.0 FEET

Aug 28, 2011



01:13 14260  
01:36 14270  
02:01 14280  
02:21 14290  
02:39 14300  
02:56 14310  
03:17 14320  
03:41 14330  
04:02 14340  
05:58 14350  
06:27 14360  
06:53 14370  
07:27 14380  
07:56 14390  
08:18 14400  
08:40 14410  
09:01 14420  
09:23 14430  
10:16 14440  
10:34 14450  
10:55 14460  
11:16 14470

14758.76ft: WT/VIS/PH: 12.8+/45/9.6  
14765.29ft: BIT DEPTH CHANGED TO 14714.0 FEET  
14770.01ft: 021TGAS 01060180 SW0.30 HW31.00 - 30 days on  
14770.01ft: 008TGAS-Check dryer cable (rig air)  
14771.59ft: WT/VIS/PH: 12.8+/43/9.7  
14772.01ft: PVT Horn Disabled  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: MUD WEIGHT 12.90  
14772.01ft: MUD PH 9.65  
14772.01ft: 008TGAS-Check dryer cable (rig air)  
14772.01ft: MUD VIS 42.00  
14772.01ft: MUD WEIGHT 12.85  
14772.01ft: MUD PH 9.60  
14772.01ft: MUD VIS 42.00  
14772.01ft: MUD WEIGHT 12.85  
14772.01ft: MUD PH 9.60  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: PVT Horn Enabled  
14772.01ft: ZDIFF from DHC  
14772.01ft: 003TGAS-Manual flush  
14772.01ft: ZDIFF from DHC  
14772.01ft: MUD VIS 42.00  
14772.01ft: MUD WEIGHT 12.85  
14772.01ft: MUD PH 9.80  
14772.01ft: PVT Horn Disabled  
14772.01ft: MUD PH 9.70  
14772.01ft: 008TGAS-Check dryer cable (rig air)  
14772.01ft: MUD VIS 42.00  
14772.01ft: MUD WEIGHT 12.85  
14772.01ft: MUD PH 9.95  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: PVT Horn Enabled  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: PVT Horn Disabled  
14772.01ft: 008TGAS-Check dryer cable (rig air)  
14772.01ft: BIT DEPTH CHANGED TO 10862.0 FEET  
14772.01ft: PVT Horn Enabled  
14772.01ft: 021TGAS 01060180 SW0.30 HW31.00 - 31 days on  
14772.01ft: 008TGAS-Check dryer cable (rig air)  
14772.01ft: BIT DEPTH CHANGED TO 12626.0 FEET  
14772.01ft: MUD VIS 43.00  
14772.01ft: MUD WEIGHT 12.80  
14772.01ft: MUD PH 9.40  
14772.01ft: ZDIFF from DHC  
14772.01ft: ZDIFF from DHC  
14772.01ft: 003TGAS-Manual flush  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: MUD VIS 41.00  
14772.01ft: MUD PH 9.70  
14772.01ft: 008TGAS-Check dryer cable (rig air)  
14772.01ft: MUD WEIGHT 12.85  
14772.01ft: MUD PH 9.75  
14772.01ft: MUD VIS 40.00  
14772.01ft: MUD WEIGHT 12.85  
14772.01ft: MUD PH 9.80  
14772.01ft: MUD VIS 40.00  
14772.01ft: MUD WEIGHT 12.90  
14772.01ft: MUD PH 9.95  
14772.01ft: 002TGAS-Manual zero  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: 022TGAS-Trap needs service  
14772.01ft: 046TGAS-Analyzer air pressure = zero, check air supply.  
Standby  
14772.01ft: 026TGAS-Underbalanced trap connected  
14772.01ft: 002TGAS-Manual zero  
14772.01ft: BIT DEPTH CHANGED TO 7761.0 FEET  
14772.01ft: 008TGAS-Check dryer cable (rig air)  
14772.01ft: 021TGAS 01060180 SW0.30 HW31.00 - 32 days on  
14772.01ft: 008TGAS-Check dryer cable (rig air)  
14772.01ft: MUD VIS 43.00  
14772.01ft: MUD PH 9.60  
14772.01ft: 008TGAS-Check dryer cable (rig air)  
14772.01ft: MUD VIS 42.00  
14772.01ft: MUD WEIGHT 12.85  
14772.01ft: MUD PH 9.50  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: 008TGAS-Check dryer cable (rig air)  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: MUD VIS 41.00  
14772.01ft: MUD WEIGHT 12.80  
14772.01ft: MUD PH 9.50  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: 008TGAS-Check dryer cable (rig air)  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: BIT DEPTH CHANGED TO 5831.0 FEET  
14772.01ft: HOOK LOAD HIGH RECALIBRATED  
14772.01ft: BIT DEPTH CHANGED TO 6860.0 FEET  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: 021TGAS 01060180 SW0.30 HW31.00 - 33 days on  
14772.01ft: 008TGAS-Check dryer cable (rig air)  
14772.01ft: BIT DEPTH CHANGED TO 8005.0 FEET  
14772.01ft: ZDIFF from DHC  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: MUD VIS 39.00  
14772.01ft: MUD WEIGHT 12.80  
14772.01ft: MUD PH 9.70  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: MUD VIS 40.00  
14772.01ft: MUD WEIGHT 12.80  
14772.01ft: MUD PH 9.60  
14772.01ft: 008TGAS-Check dryer cable (rig air)  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: ZERO ALL PUMPS from SideKick sk-11-11-0402  
14772.01ft: MUD VIS 42.00  
14772.01ft: MUD WEIGHT 12.85  
14772.01ft: MUD PH 9.98  
14772.01ft: 008TGAS-Check dryer cable (rig air)

