



Electronic Drilling Recorder

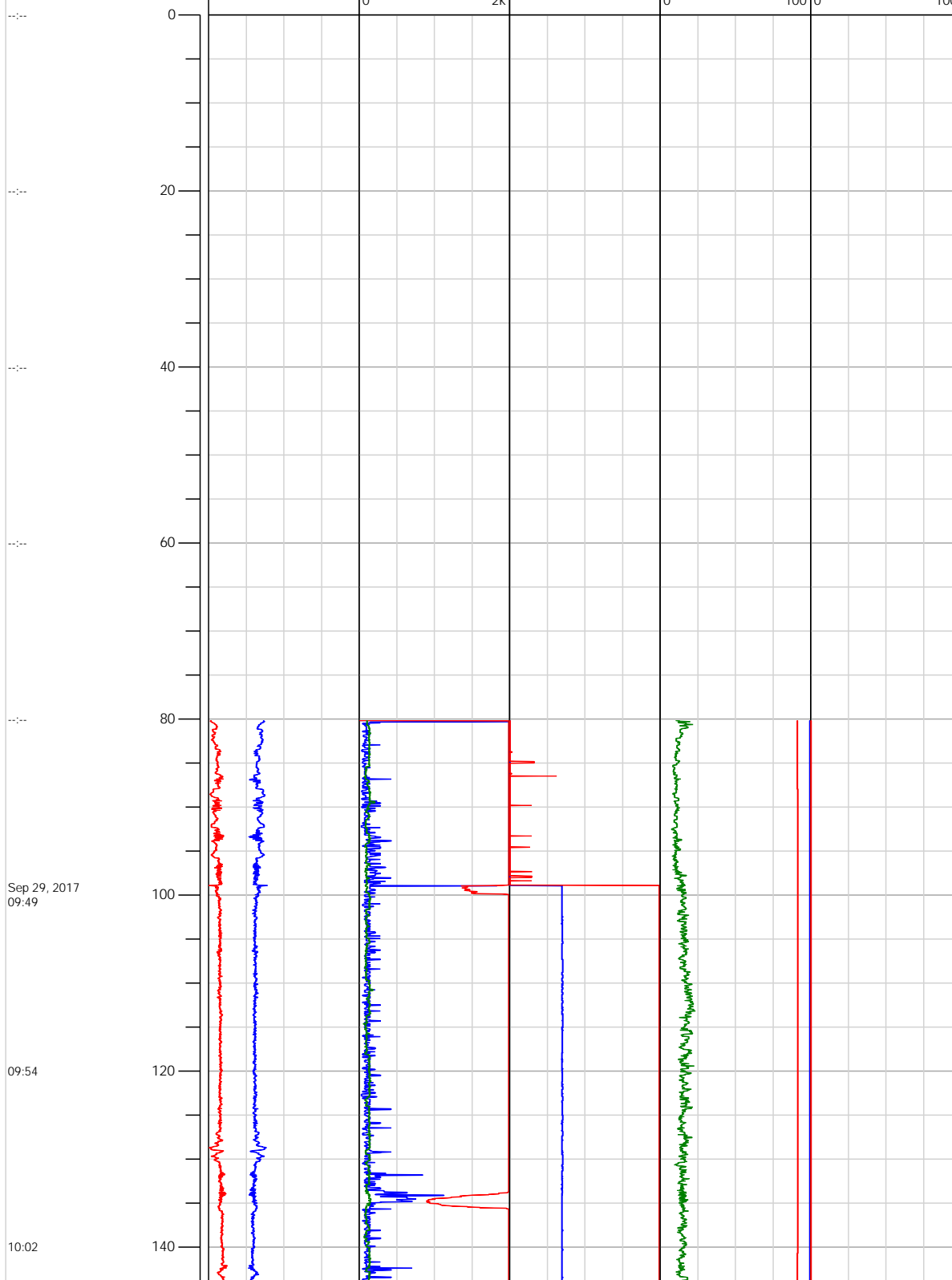
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-06W
Rig: 290

Location:

Depth in ft (1:200)

Notes



0.00: Deviation Survey
 0.00 ft, Deviation 0 deg,
 Direction 0 deg
 1.00: Rig Floor set Bit
 Position from 0.91 ft to
 80.21 ft
 1.00: Rig Floor set Hole
 Depth from 1.00 ft to
 80.21 ft

Sep 29, 2017
 09:49

09:54

10:02



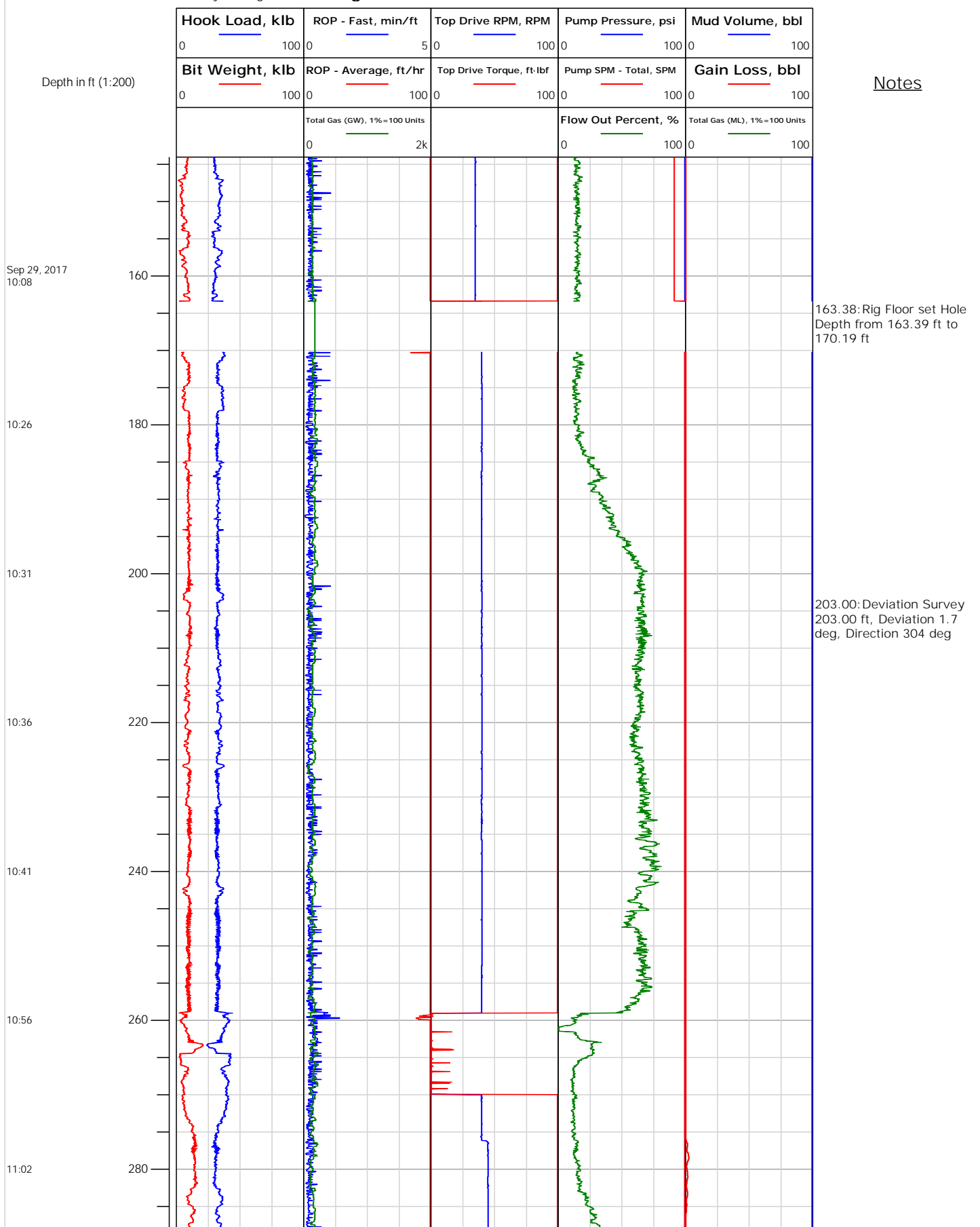
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Operator: Laramie Energy
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Well Name: Bruton 19-06W
Rig: 290

Location:

Notes





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Operator: Laramie Energy
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Well Name: Bruton 19-06W
Rig: 290

Location:

Depth in ft (1:200)

Notes

Sep 29, 2017
 11:06

11:10

11:14

11:23

11:27

11:31

11:35

300

320

340

360

380

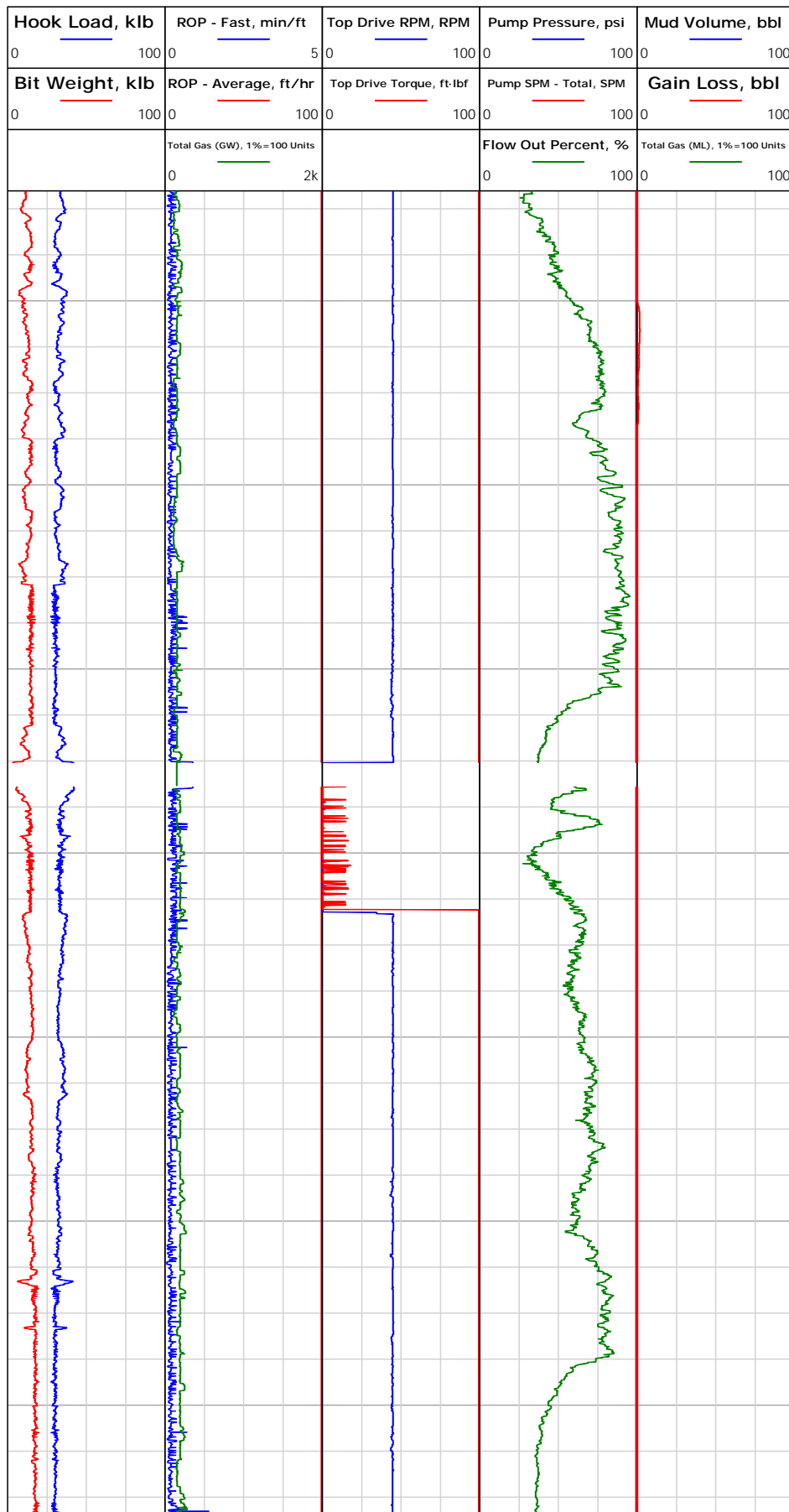
400

420

294.00: Deviation Survey
 294.00 ft, Deviation 1.8
 deg, Direction 349.6 deg

352.82: Connection @
 352.82 ft

385.00: Deviation Survey
 385.00 ft, Deviation 2.9
 deg, Direction 344.7 deg





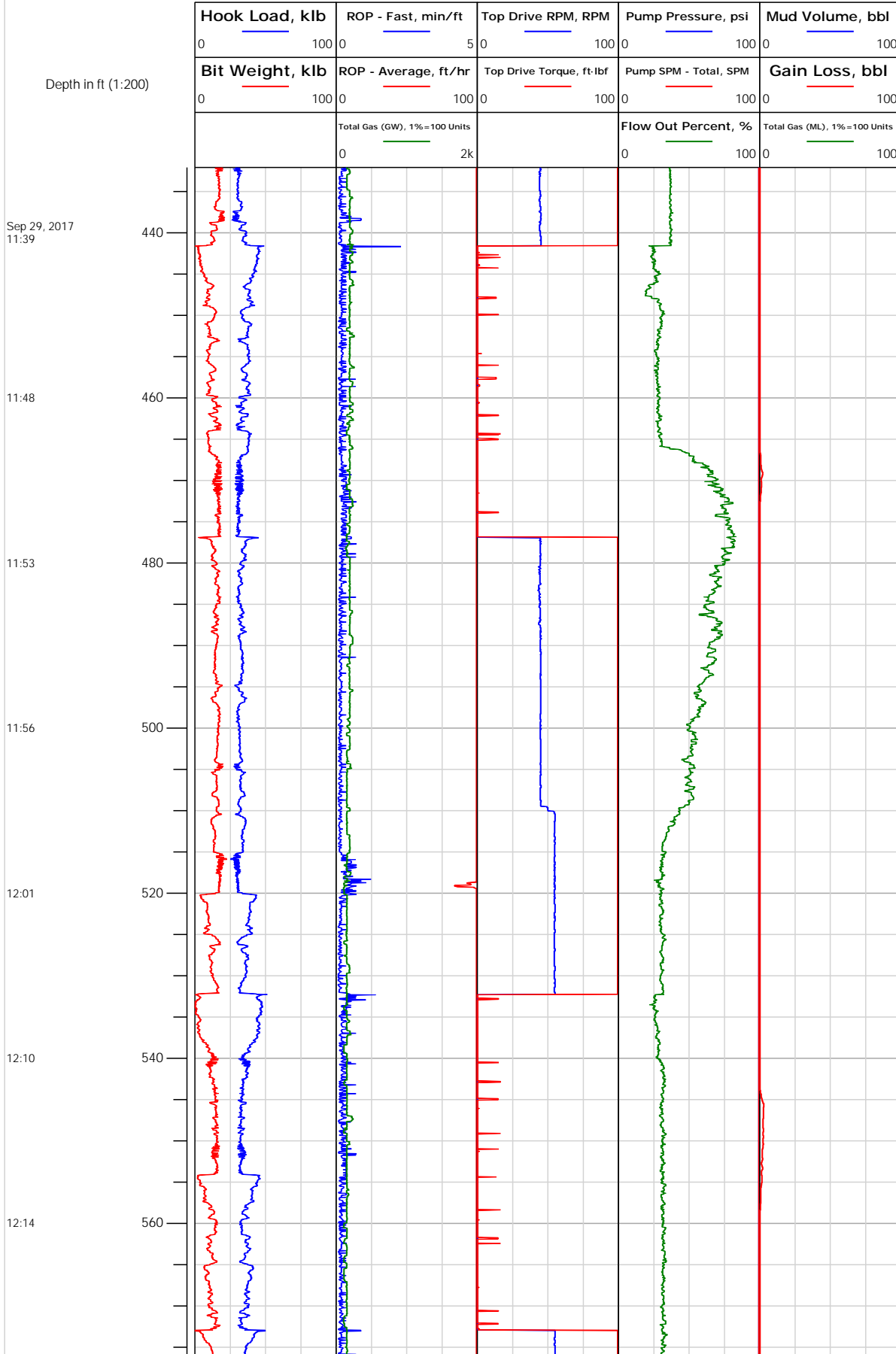
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Rig: 290

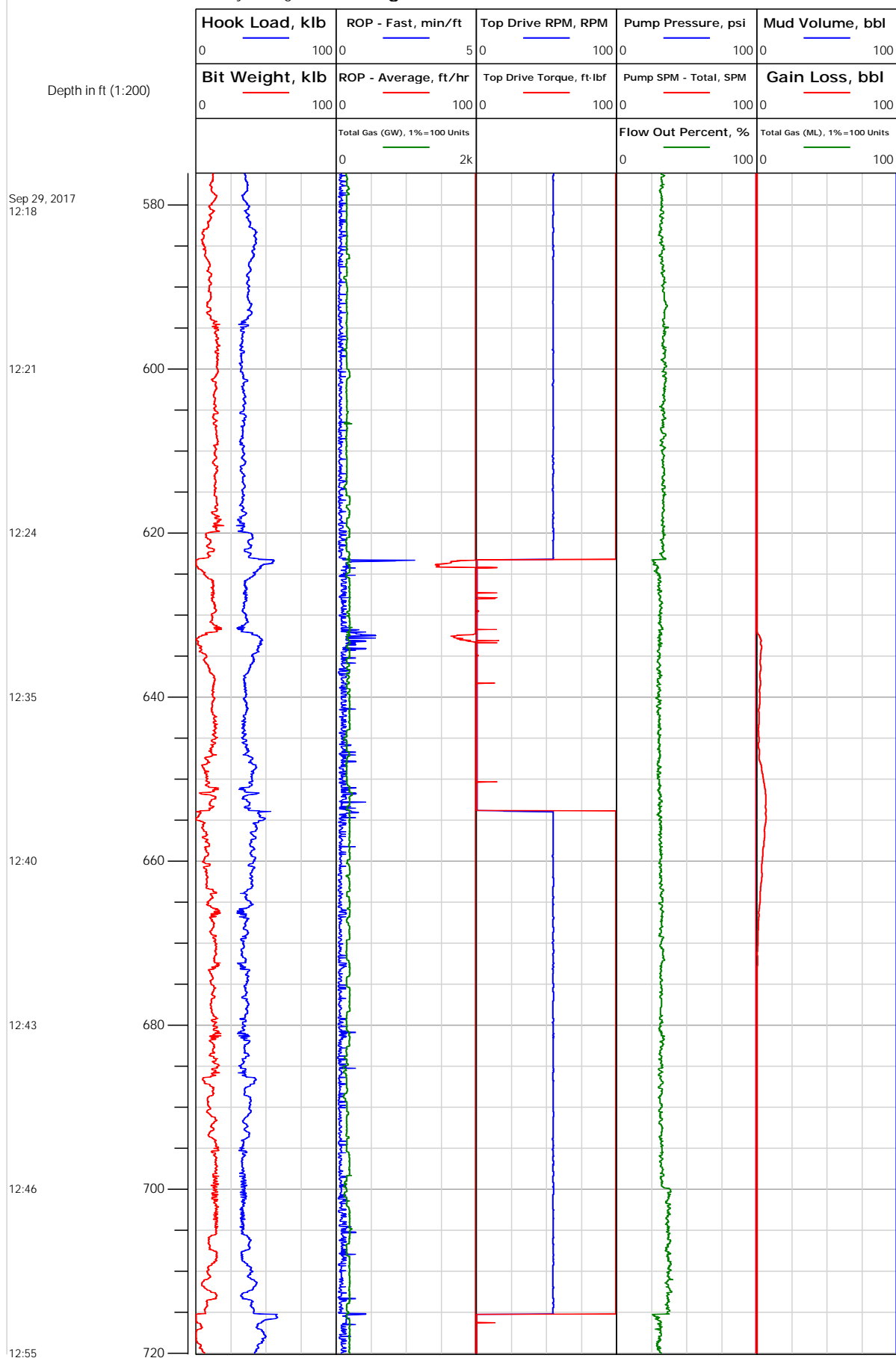
Location:

Notes



Location:

Electronic Drilling Recorder



Notes

657.00: Deviation Survey
657.00 ft, Deviation 11.2
deg, Direction 337.9 deg



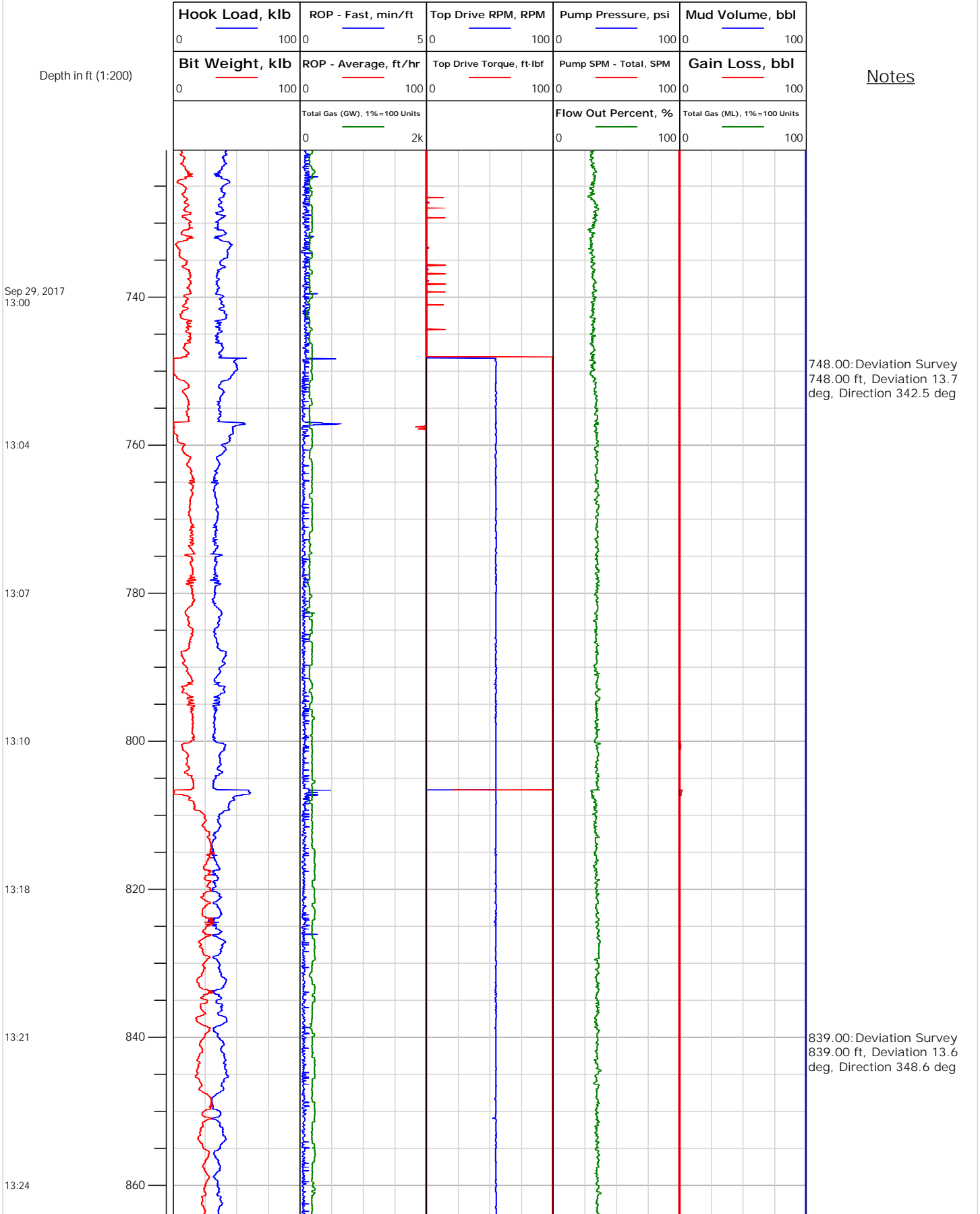
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Location:

Notes





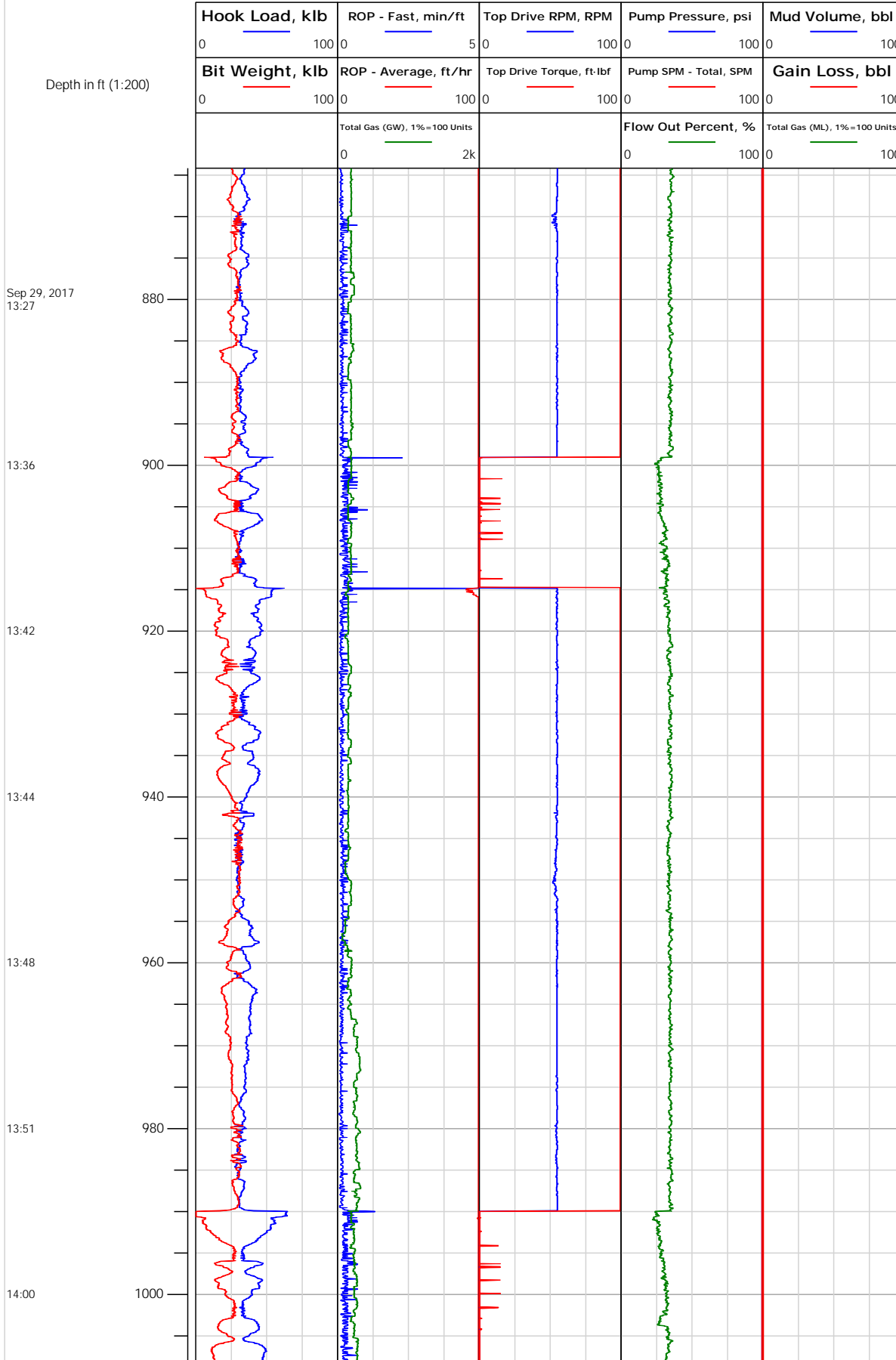
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Rig: 290

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929.00: Deviation Survey
 929.00 ft, Deviation 13.5 deg, Direction 339.5 deg



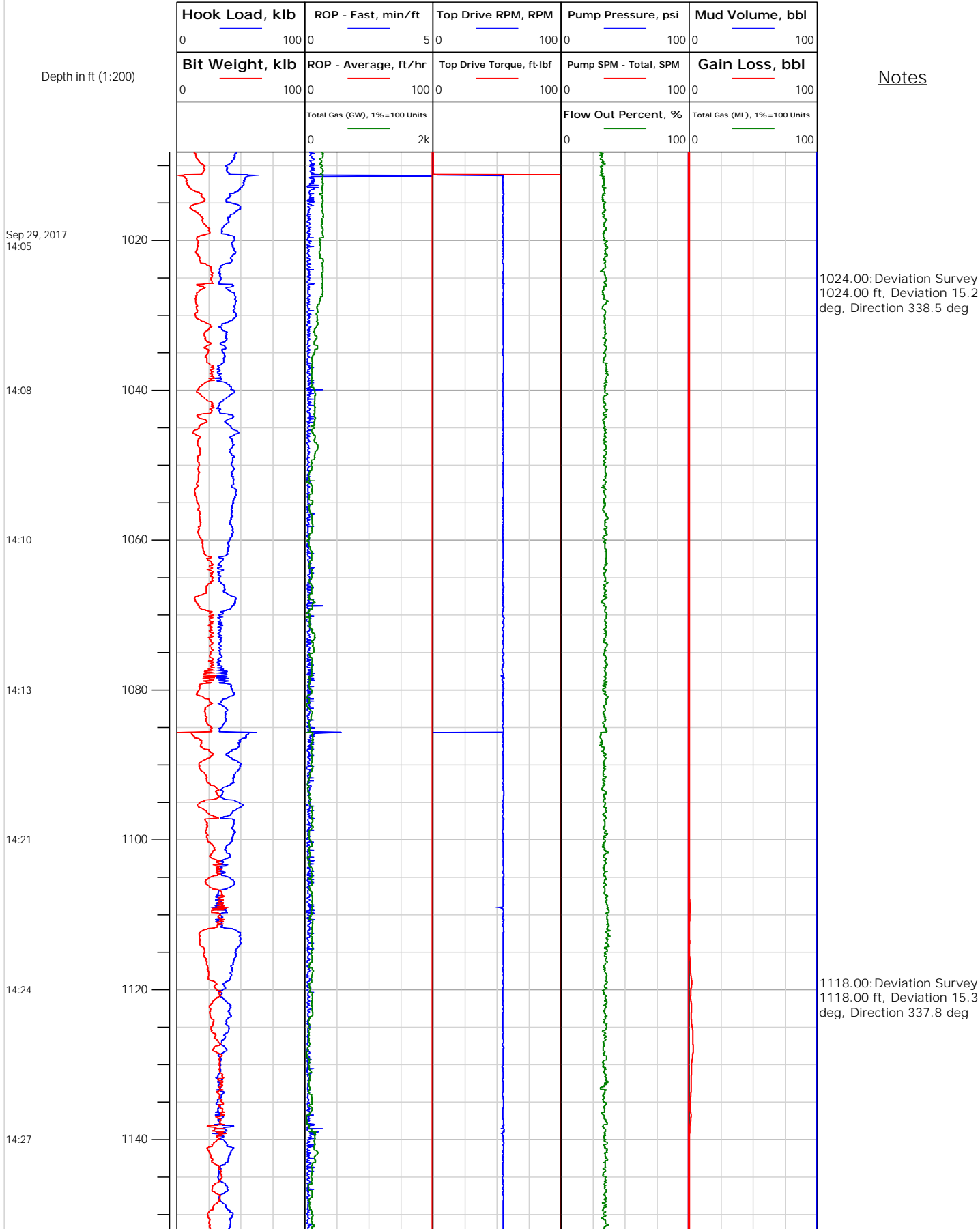
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Well Name: Bruton 19-06W
Rig: 290

Location:

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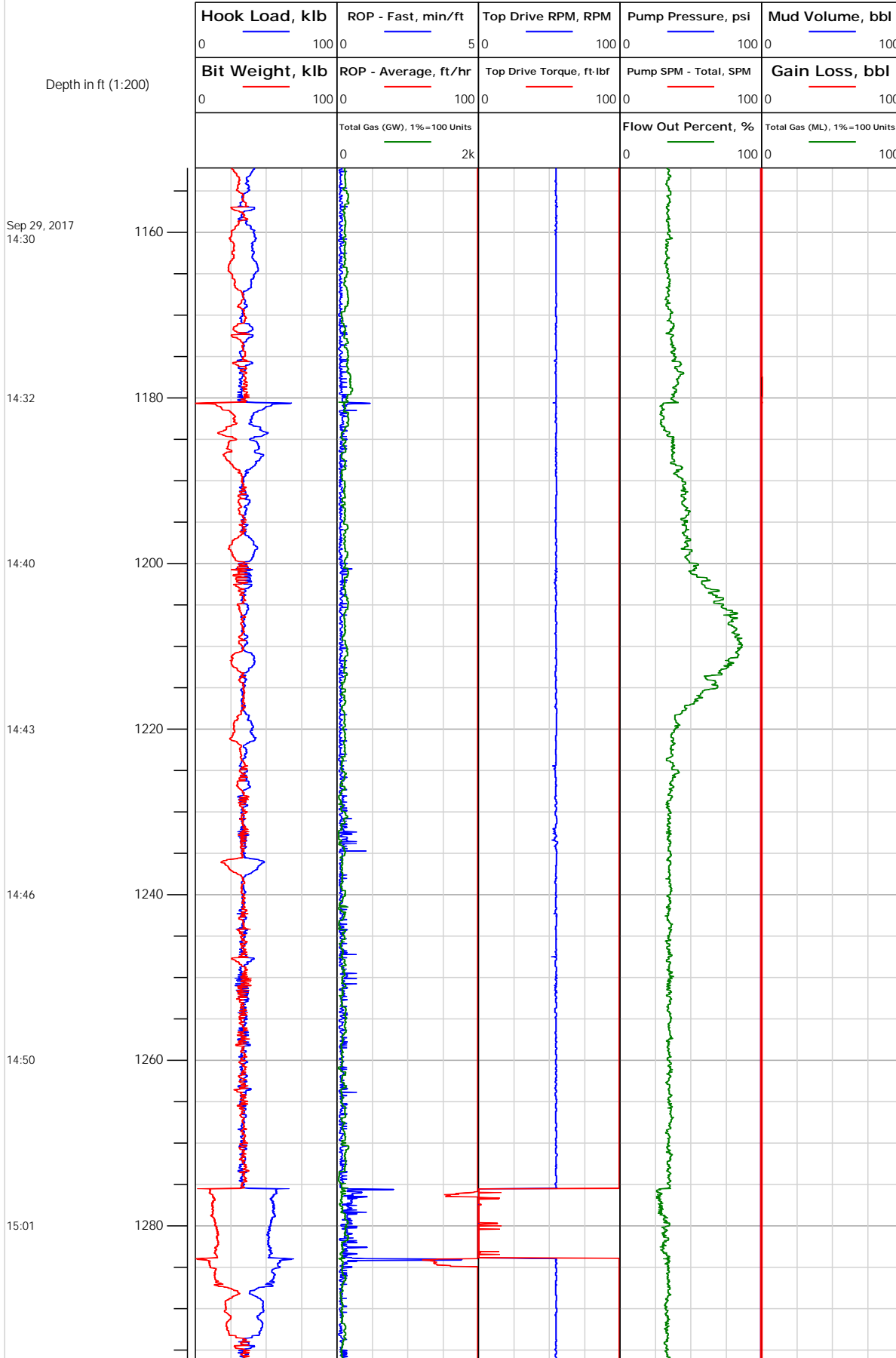
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Well Name: Bruton 19-06W
Rig: 290

Location:

Notes





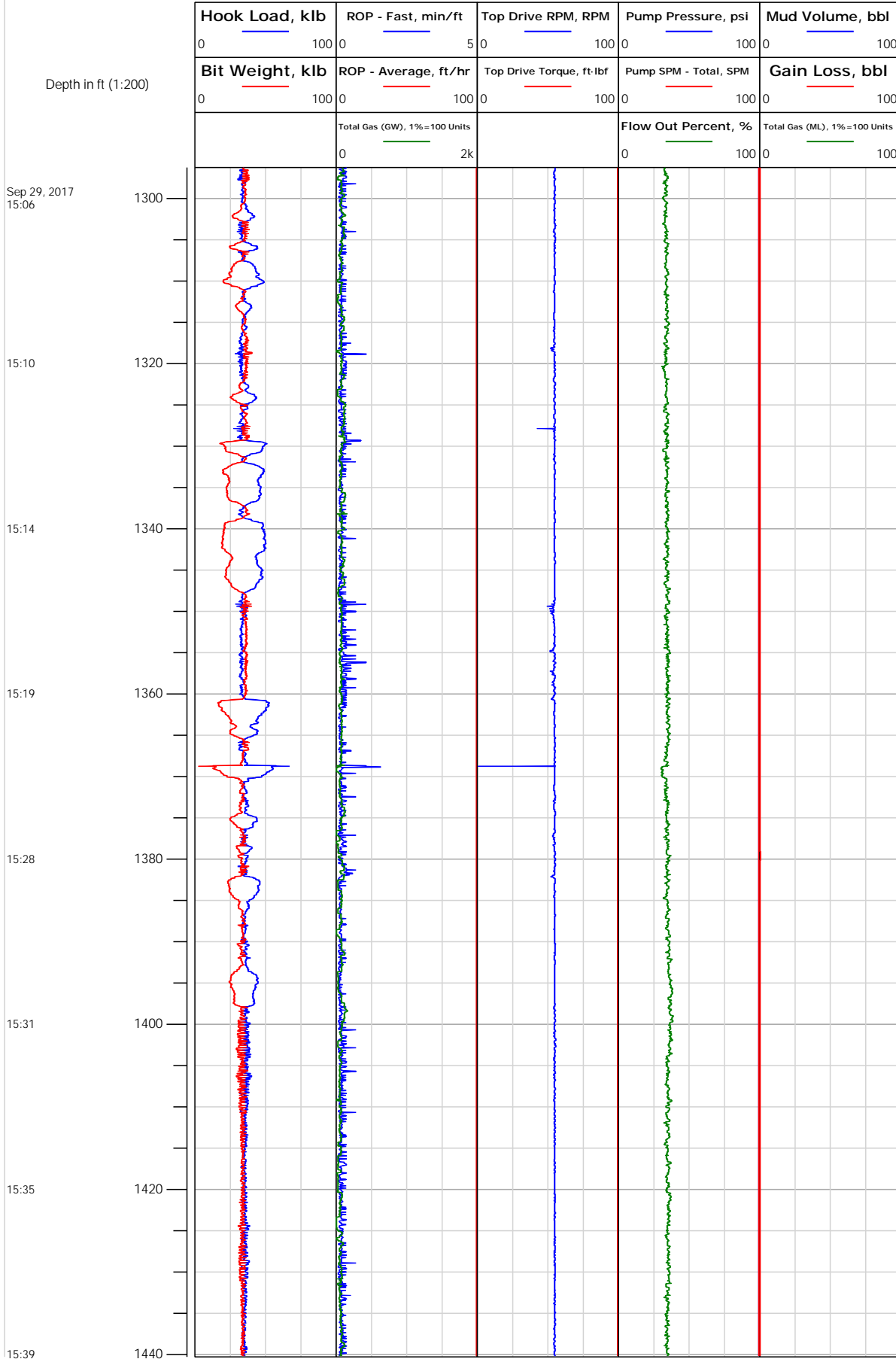
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Rig: 290

Location:

Notes



1308.00: Deviation Survey
1308.00 ft, Deviation 15 deg, Direction 341.5 deg

1403.00: Deviation Survey
1403.00 ft, Deviation 15.2 deg, Direction 343.3 deg



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Operator: Laramie Energy
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Well Name: Bruton 19-06W
Rig: 290

Location:

Depth in ft (1:200)

Notes

Sep 29, 2017
15:43

15:57

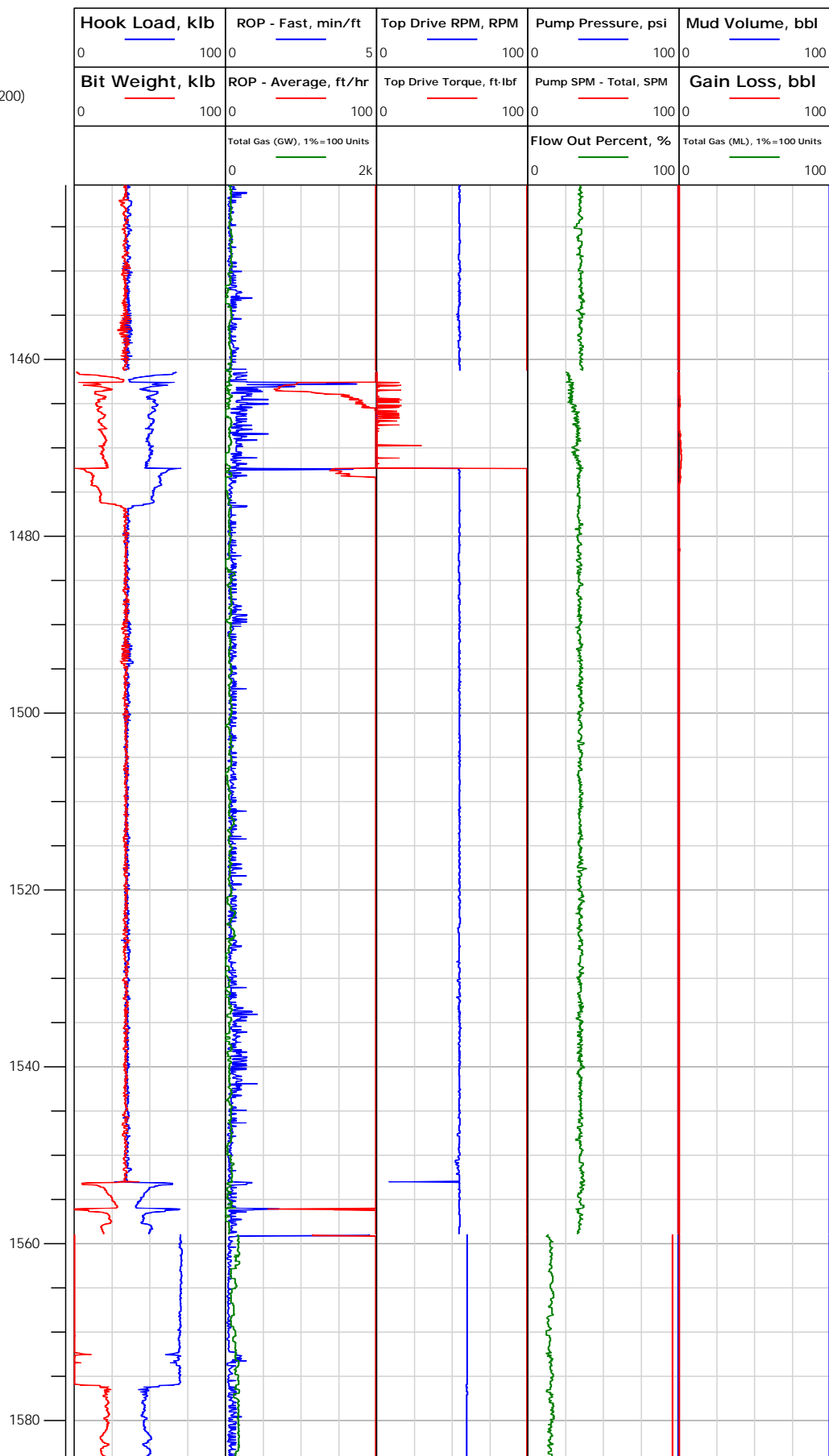
16:02

16:06

16:11

Sep 30, 2017
09:43

09:46





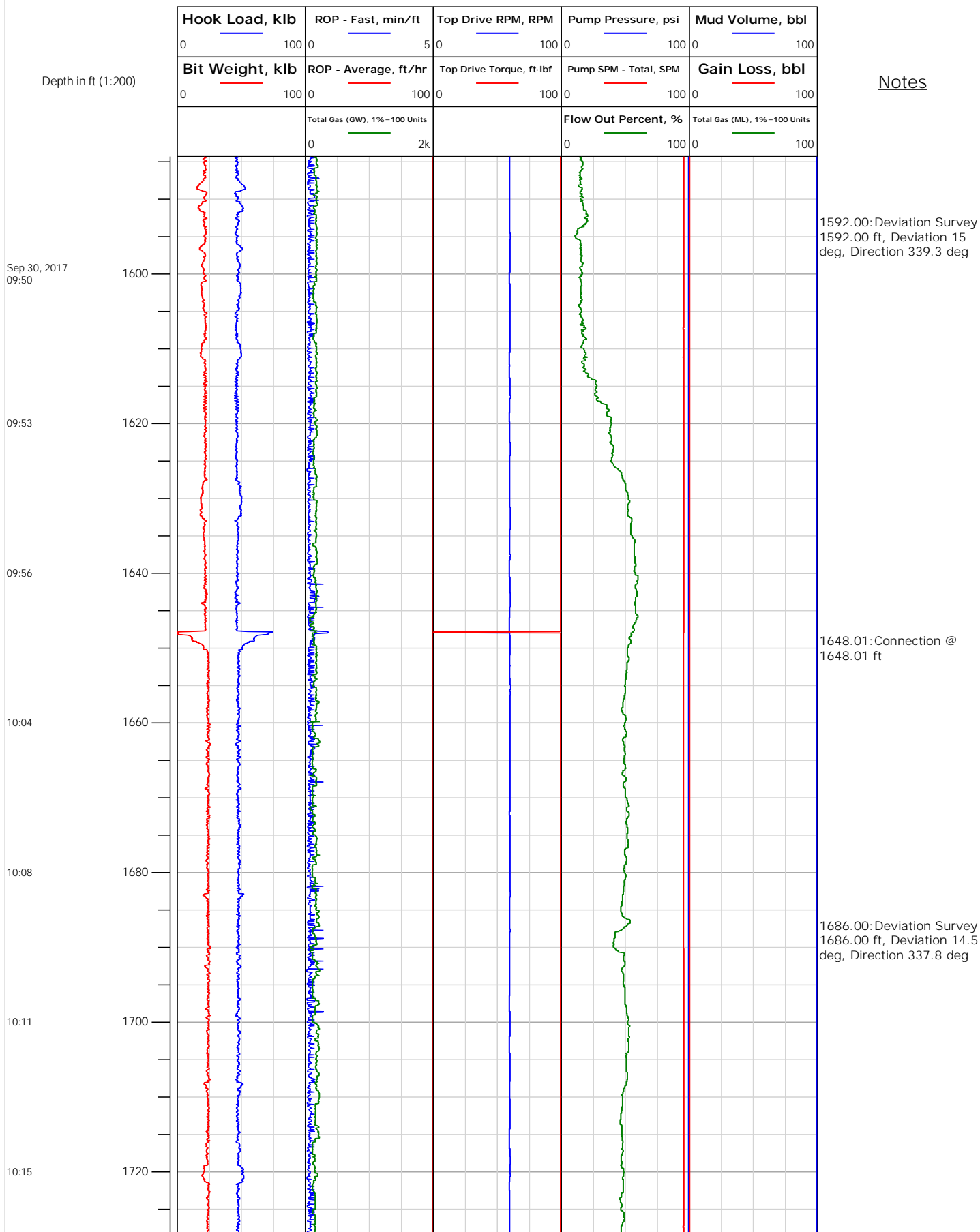
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Well Name: Bruton 19-06W
Rig: 290

Location:

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Electronic Drilling Recorder

Operator: Laramie Energy
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Well Name: Bruton 19-06W
Rig: 290

Location:

Depth in ft (1:200)

Notes

Sep 30, 2017
10:18

10:26

10:29

10:33

10:37

10:45

10:54

1740

1760

1780

1800

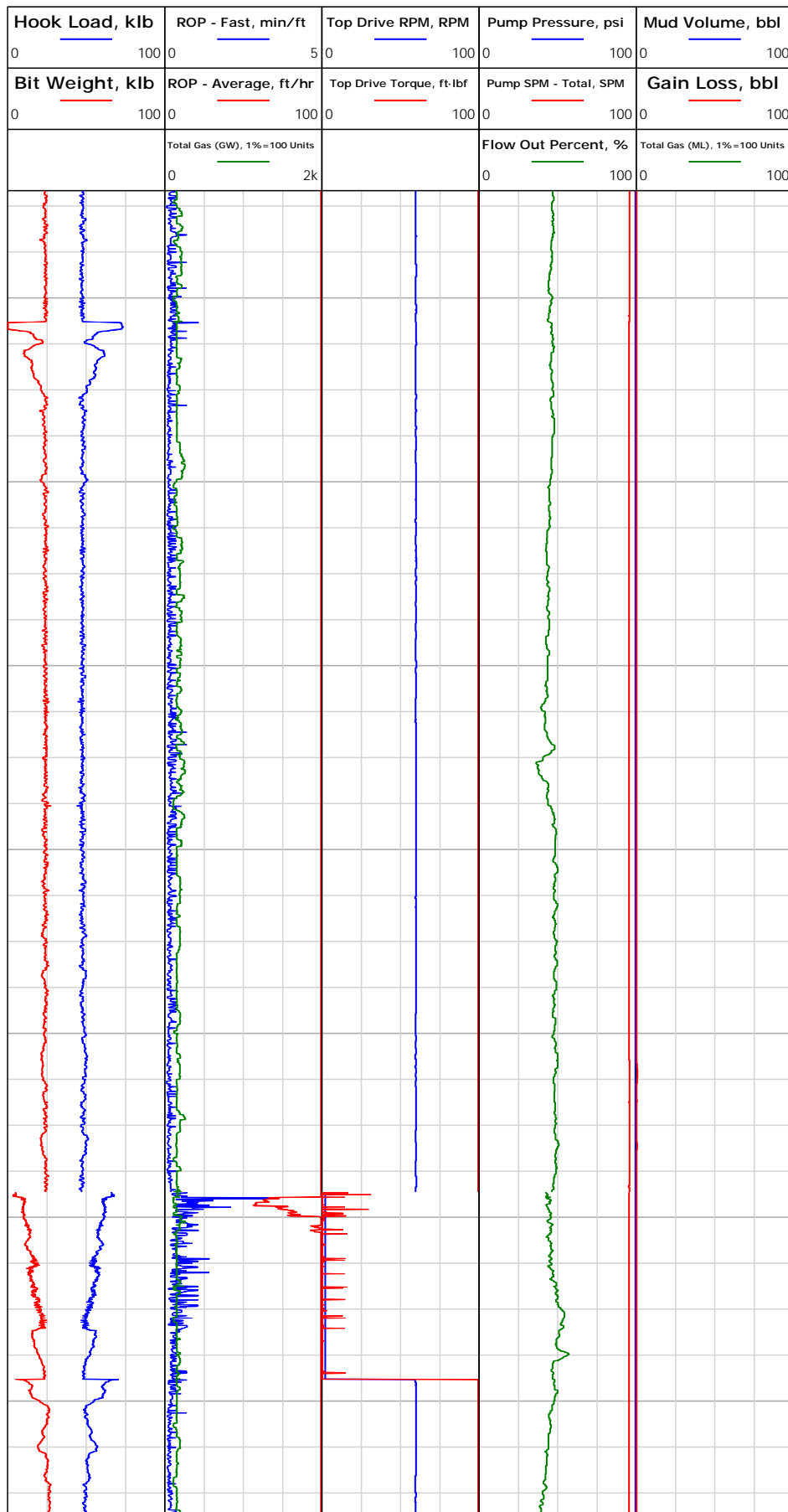
1820

1840

1860

1742.59: Connection @
1742.59 ft

1837.35: Connection @
1837.35 ft





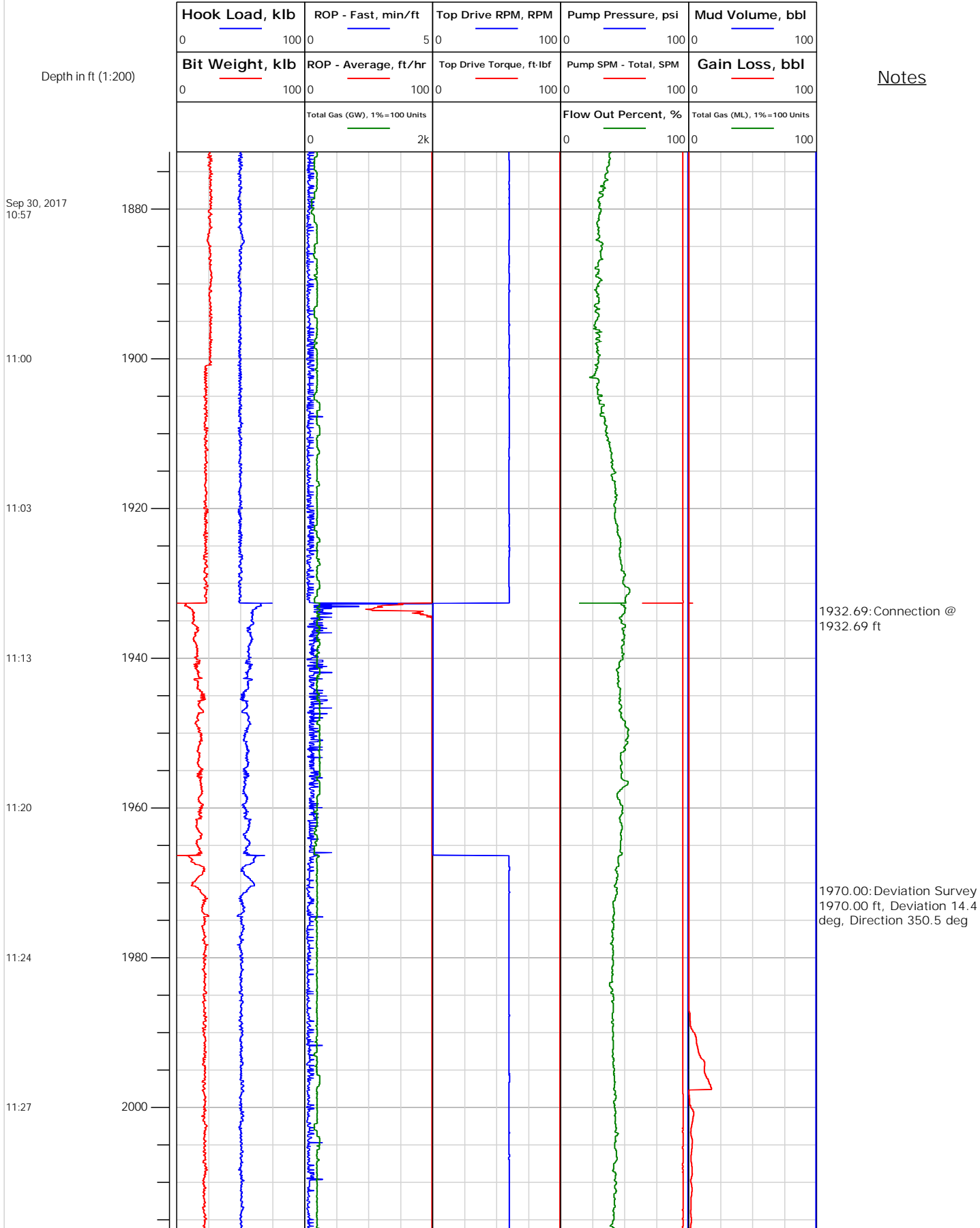
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Rig: 290

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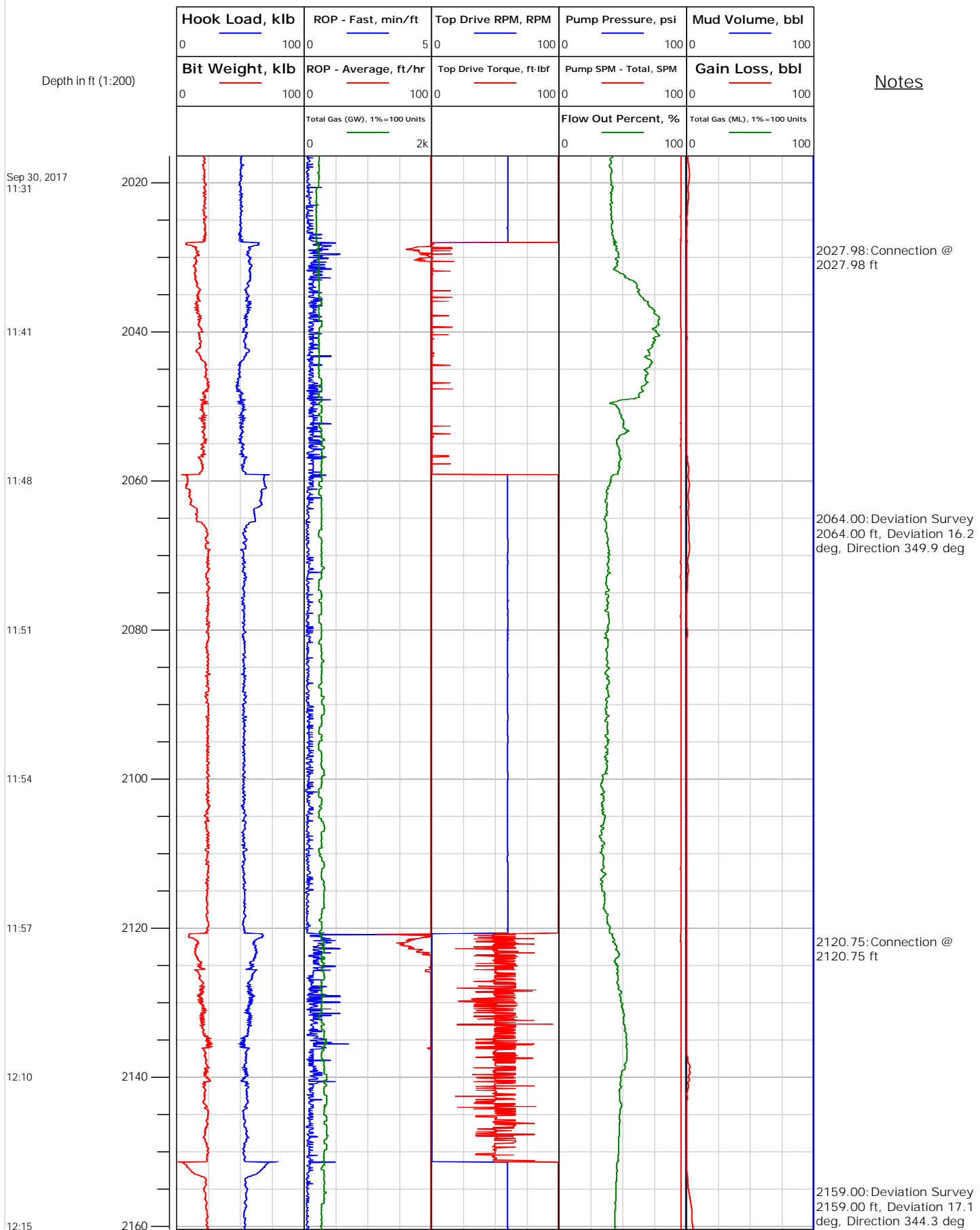


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Rig: 290

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Electronic Drilling Recorder

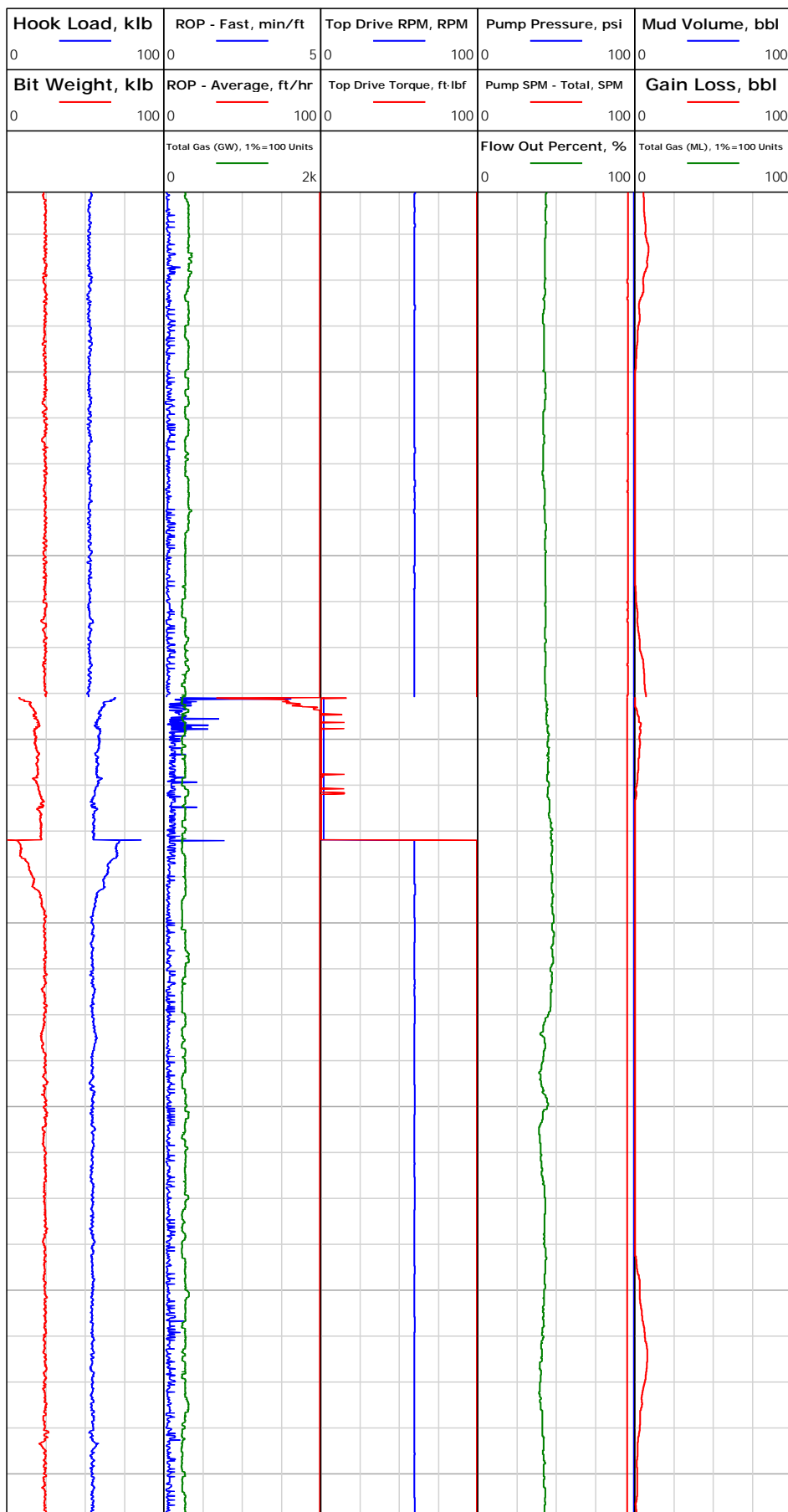
Operator: Laramie Energy
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Rig: 290

Location:

Notes

Depth in ft (1:200)



Sep 30, 2017
12:18

12:21

12:30

12:35

12:38

12:41

12:45

2215.42: Connection @
2215.42 ft

2254.00: Deviation Survey
2254.00 ft, Deviation 16.1
deg, Direction 338.5 deg



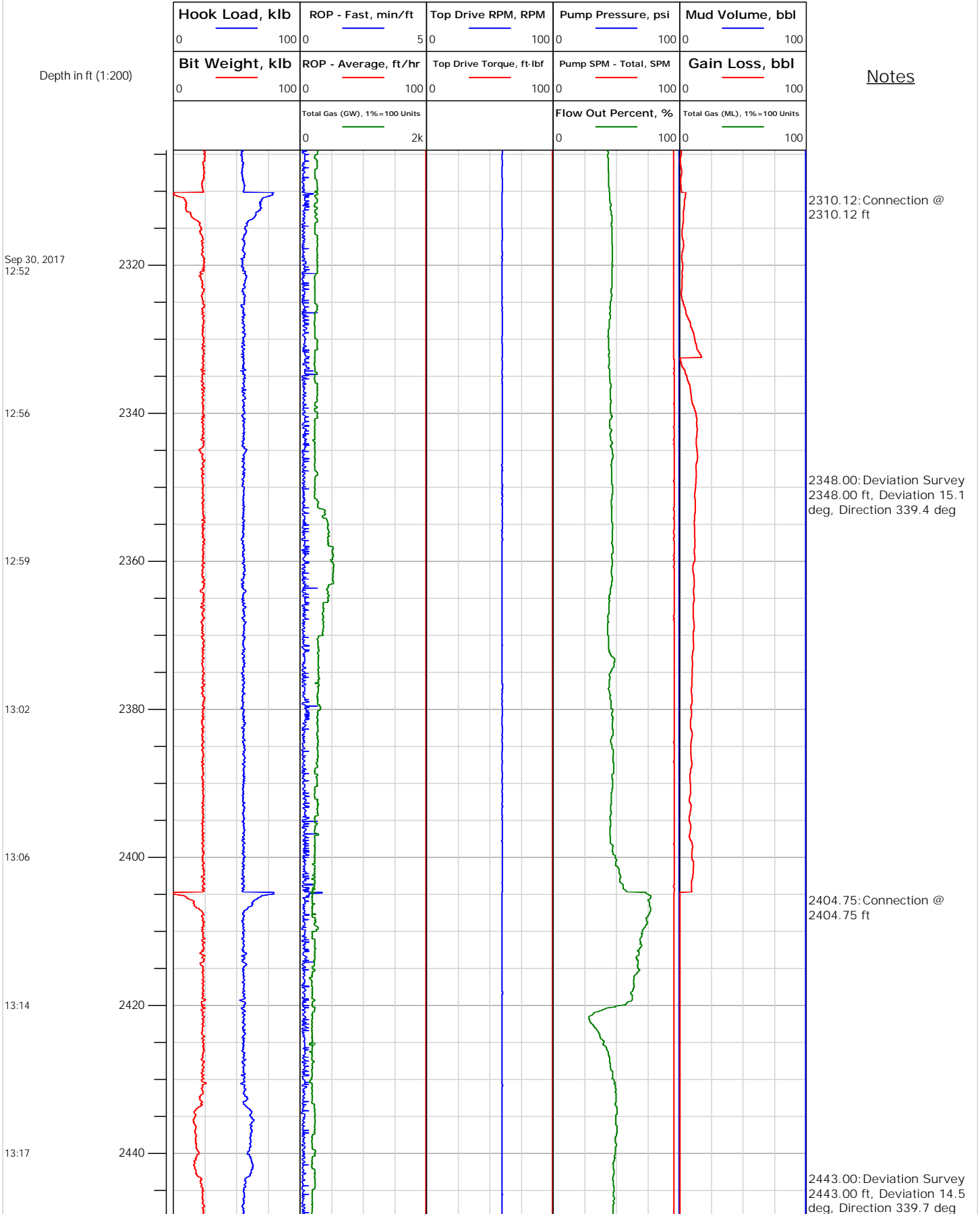
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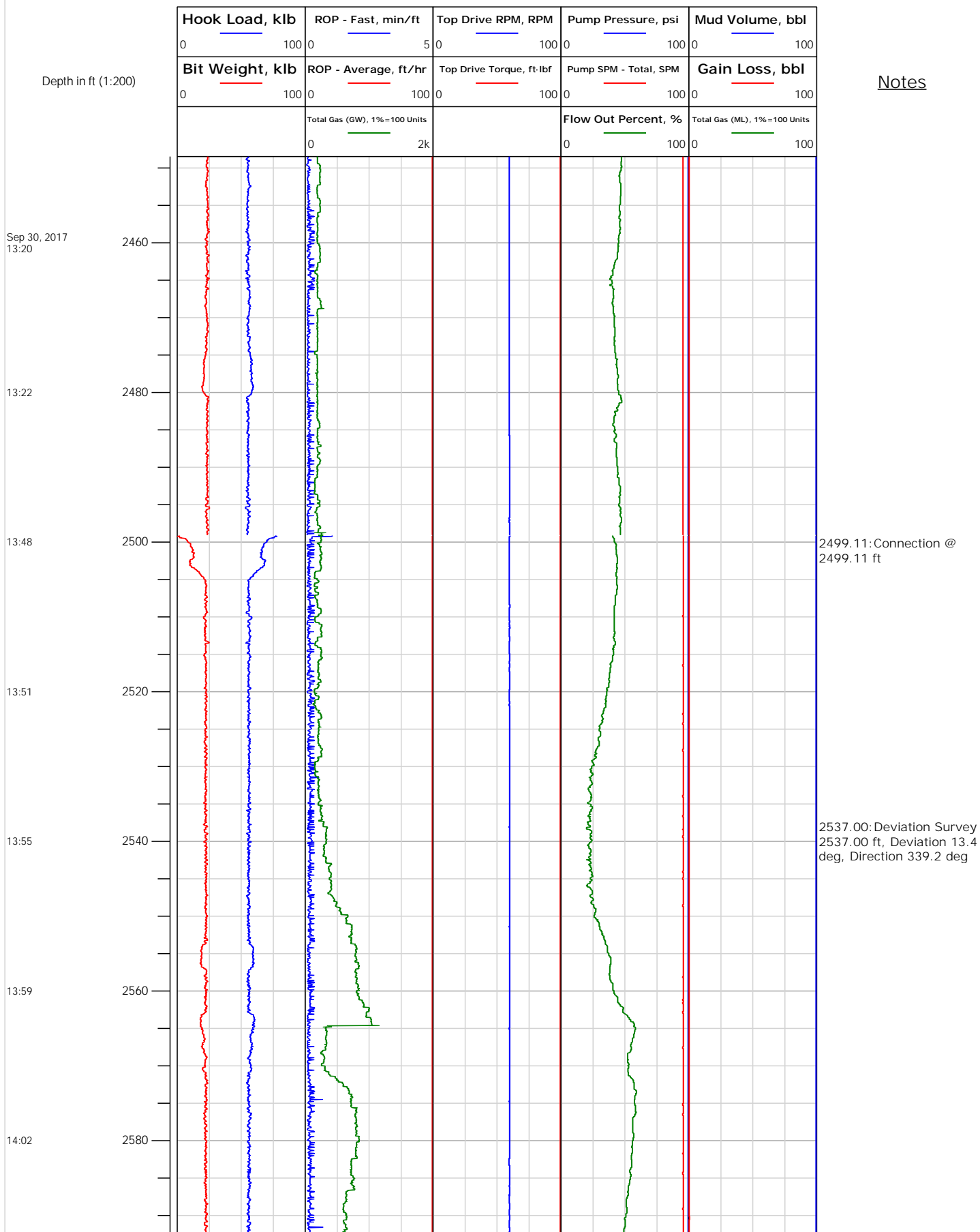
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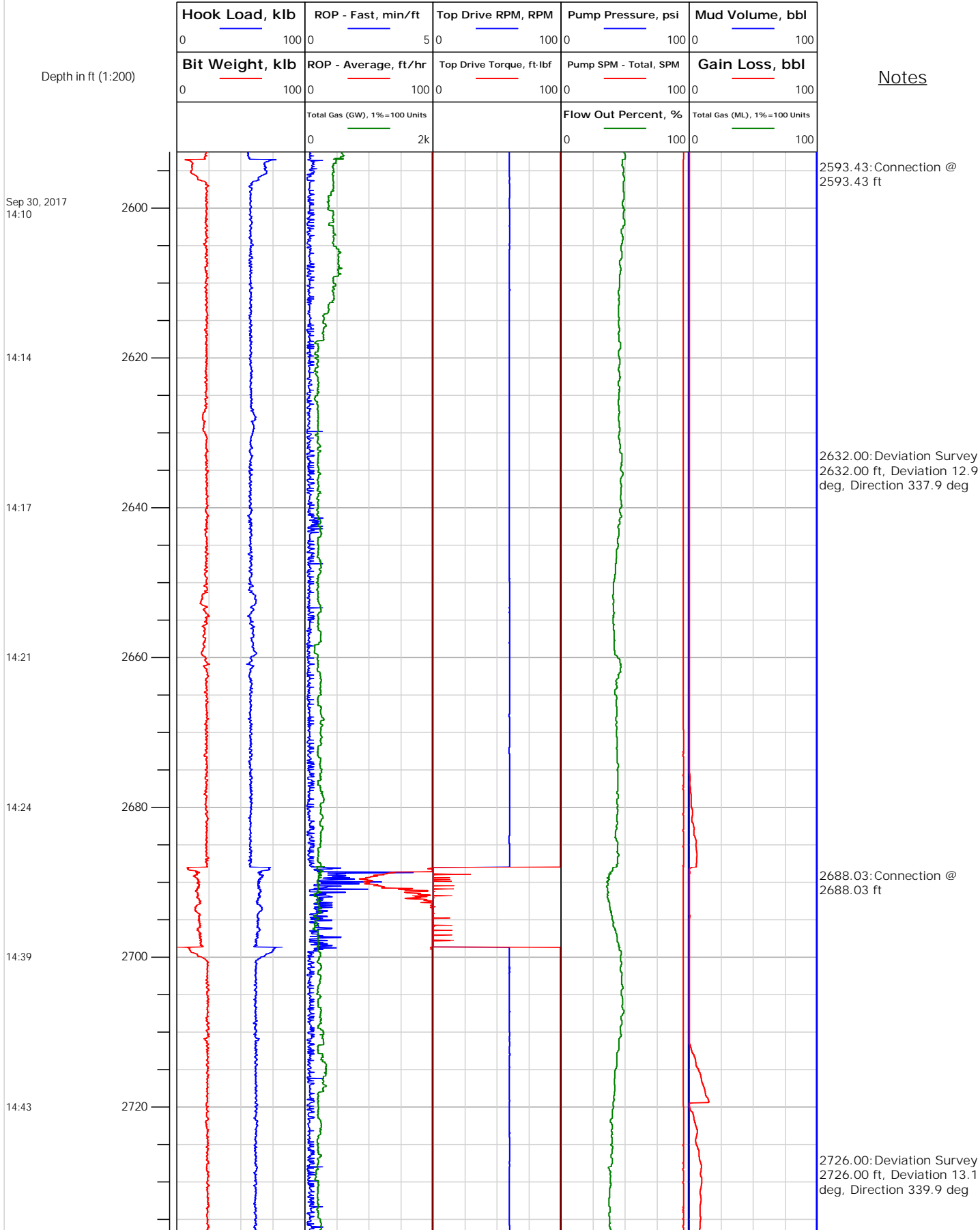
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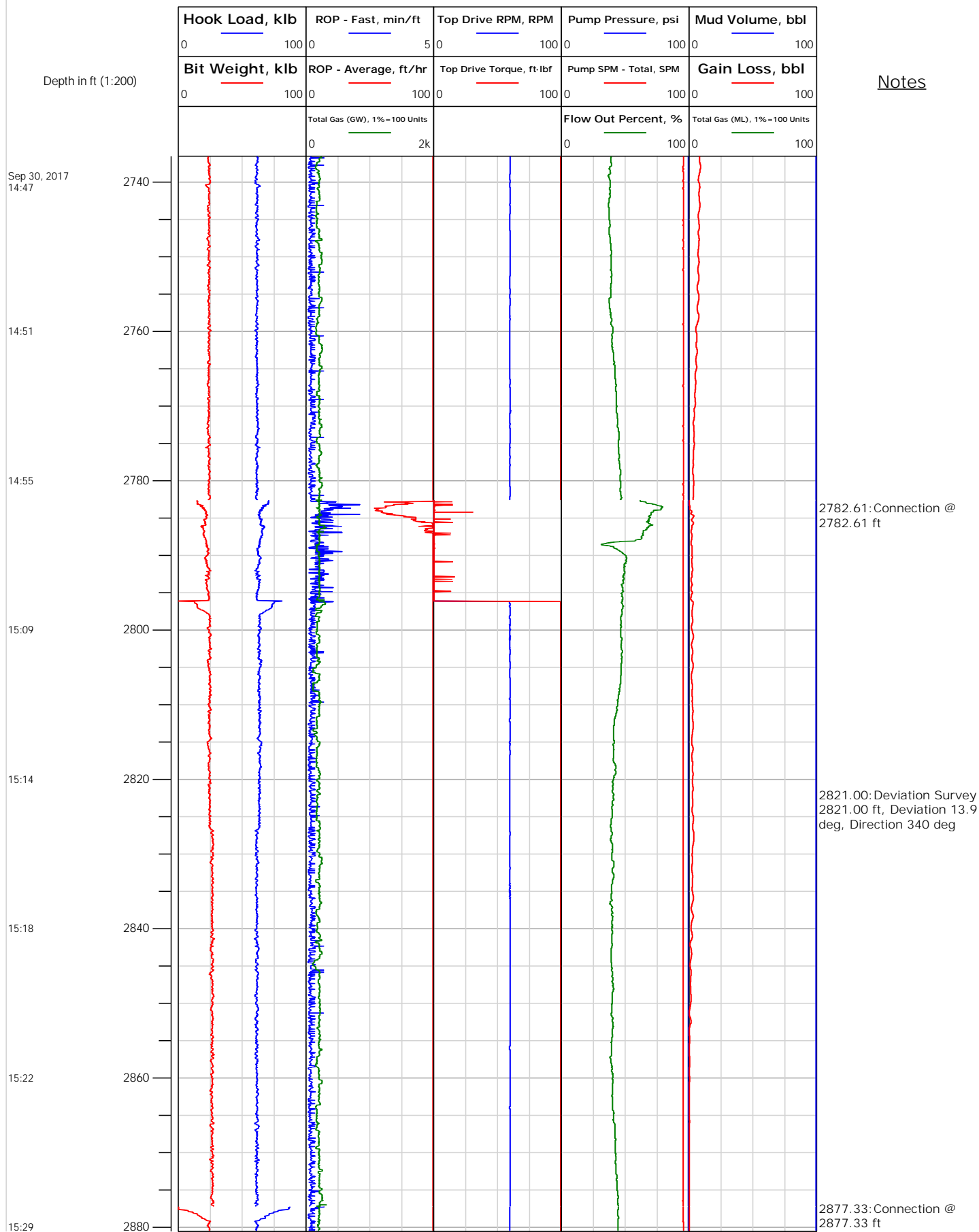
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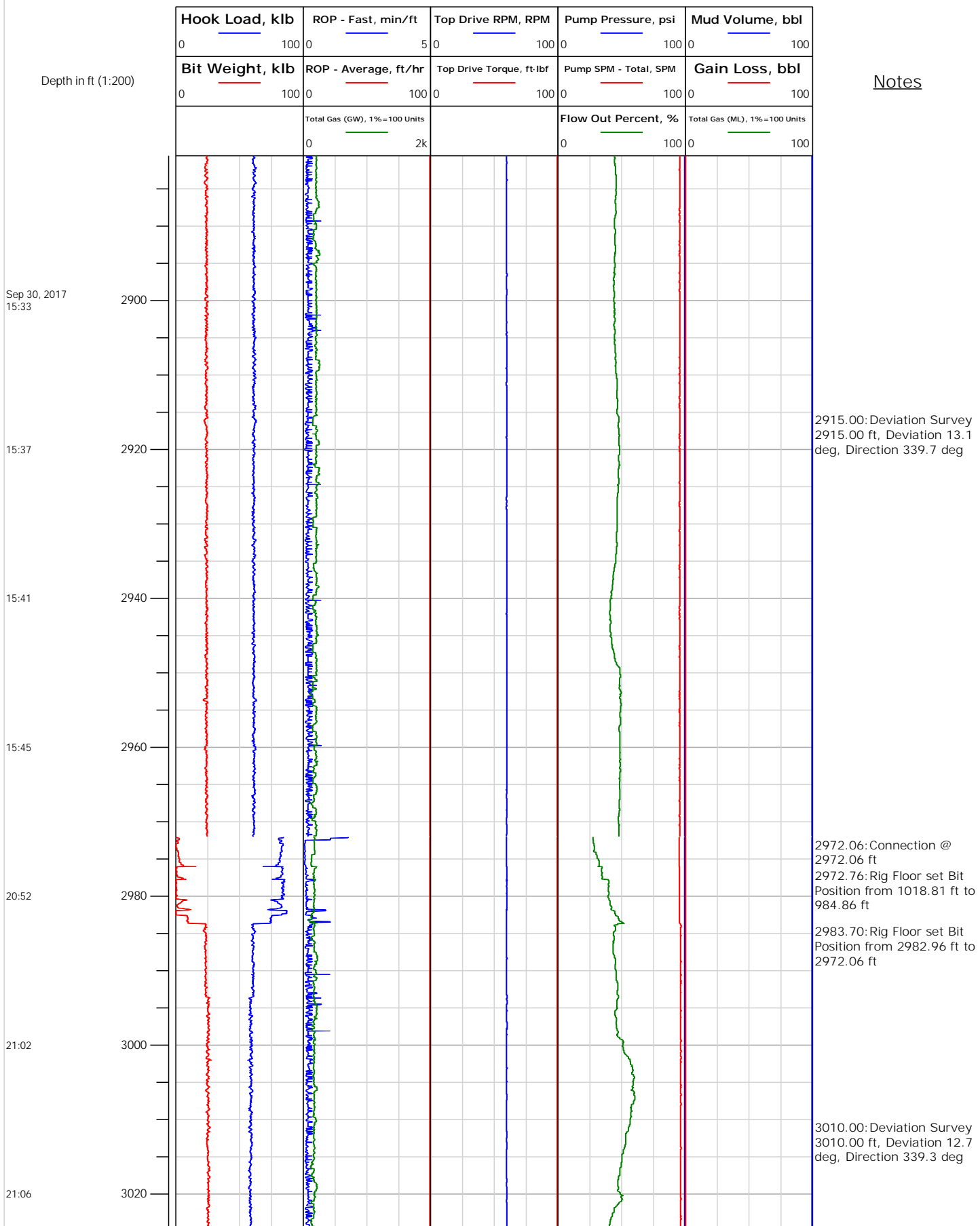
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Rig: 290

Location:

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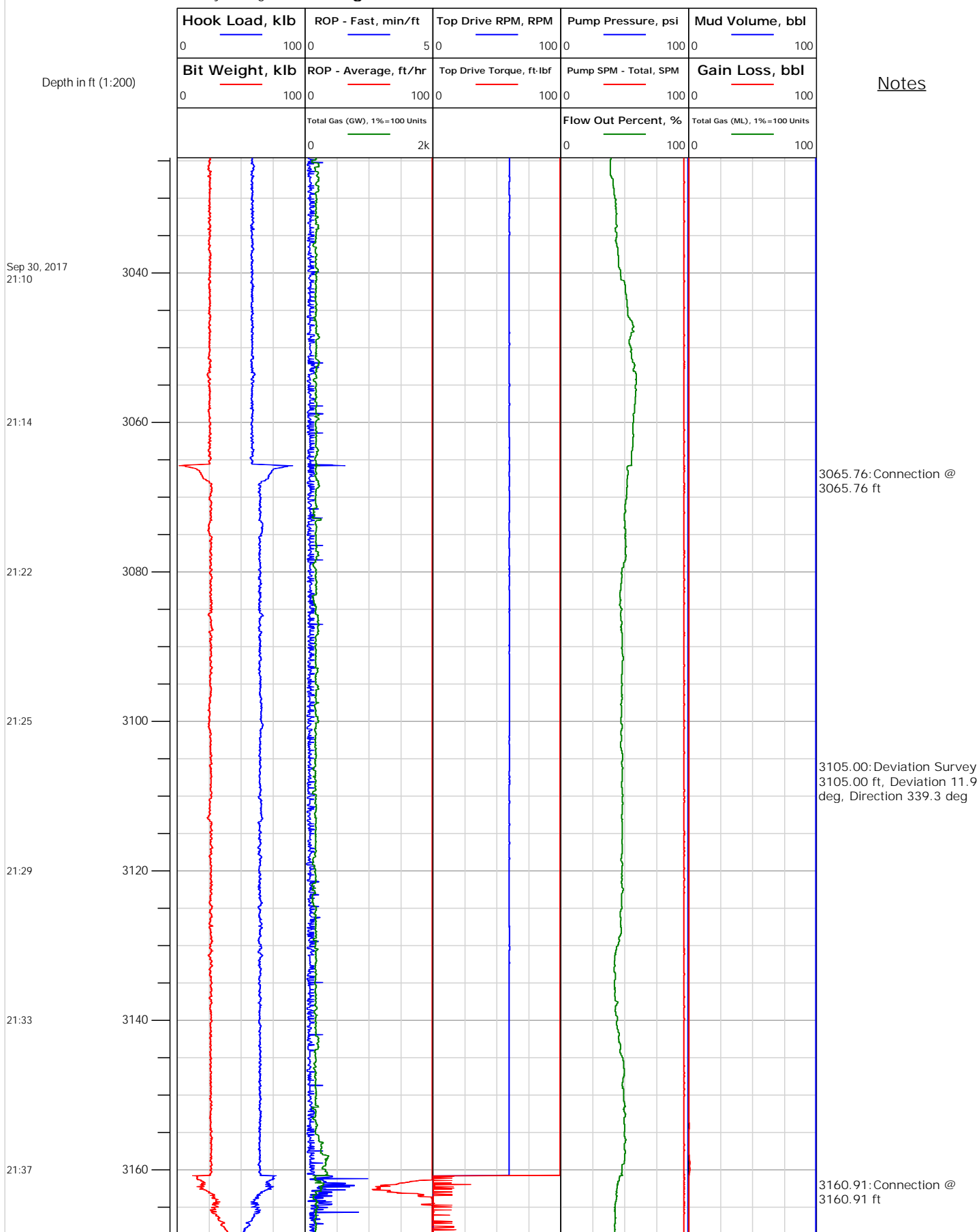
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Rig: 290

Location:

Notes





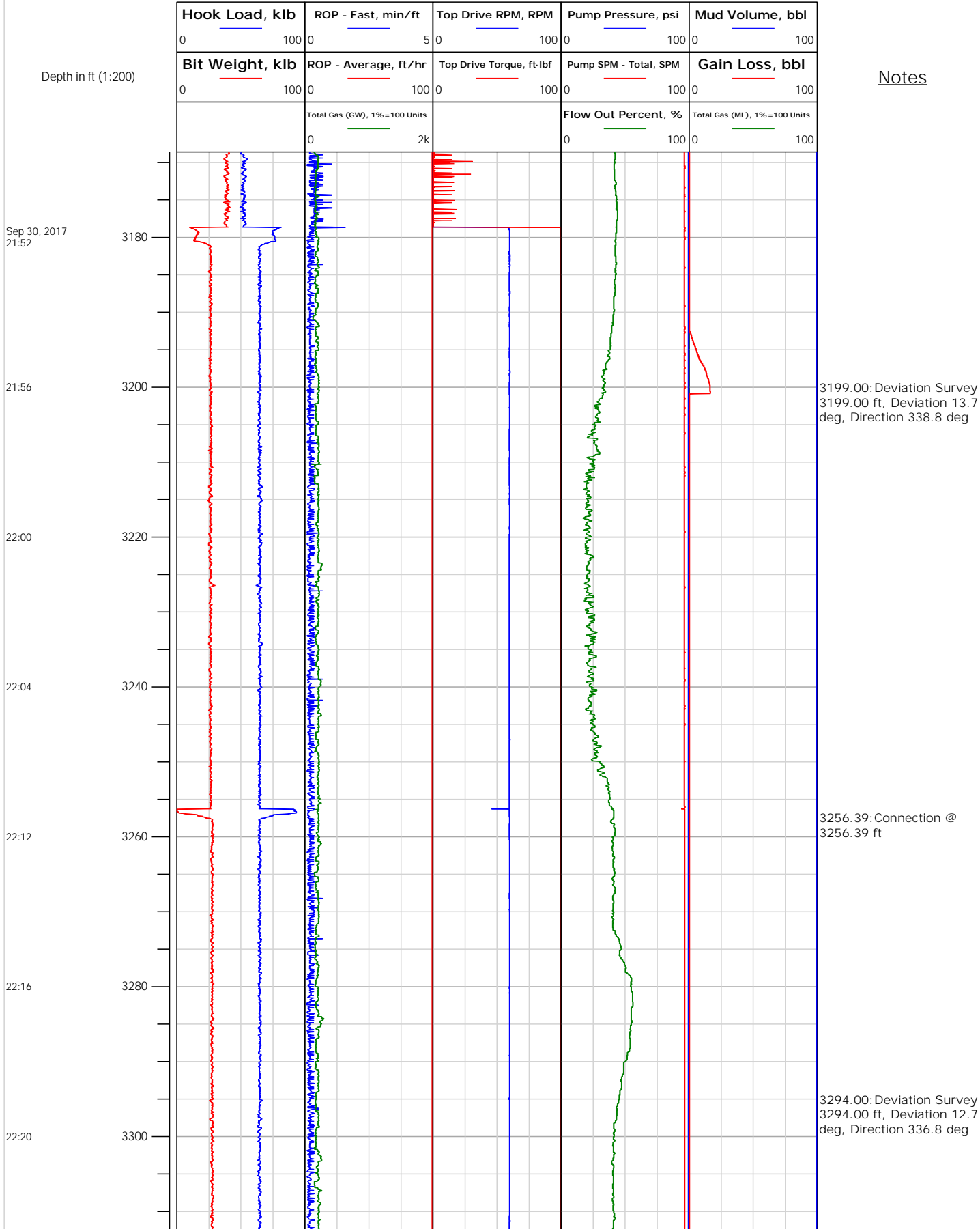
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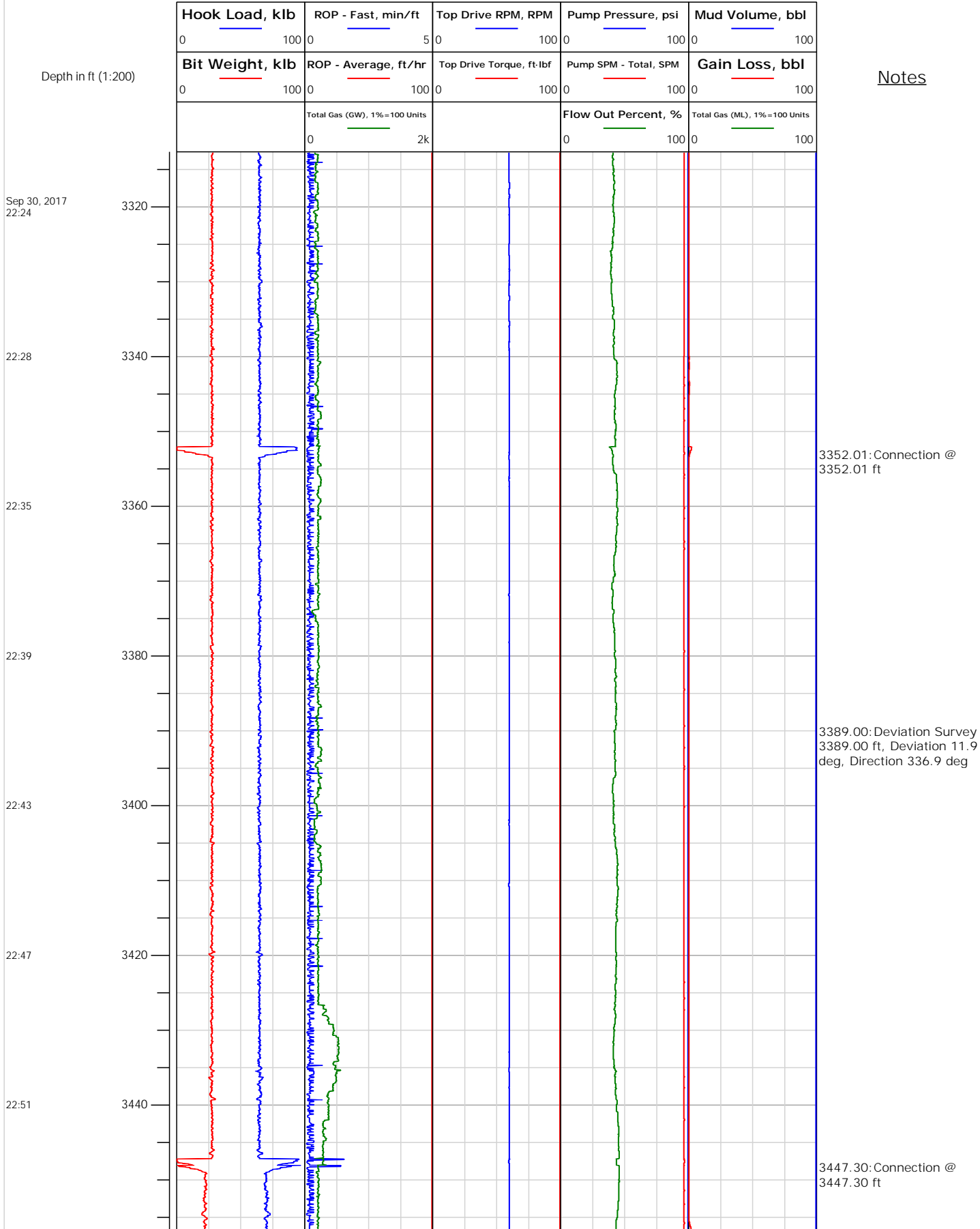
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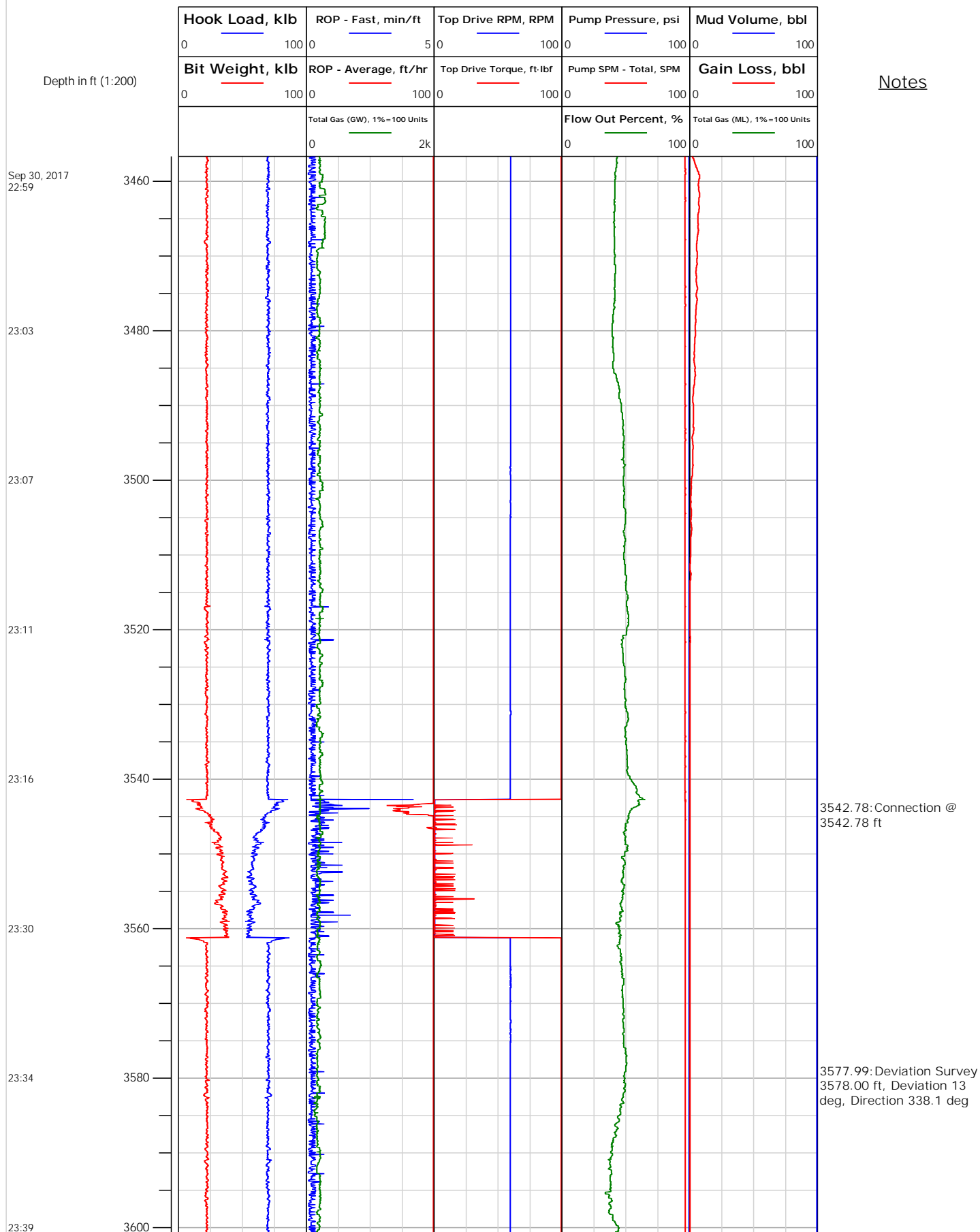
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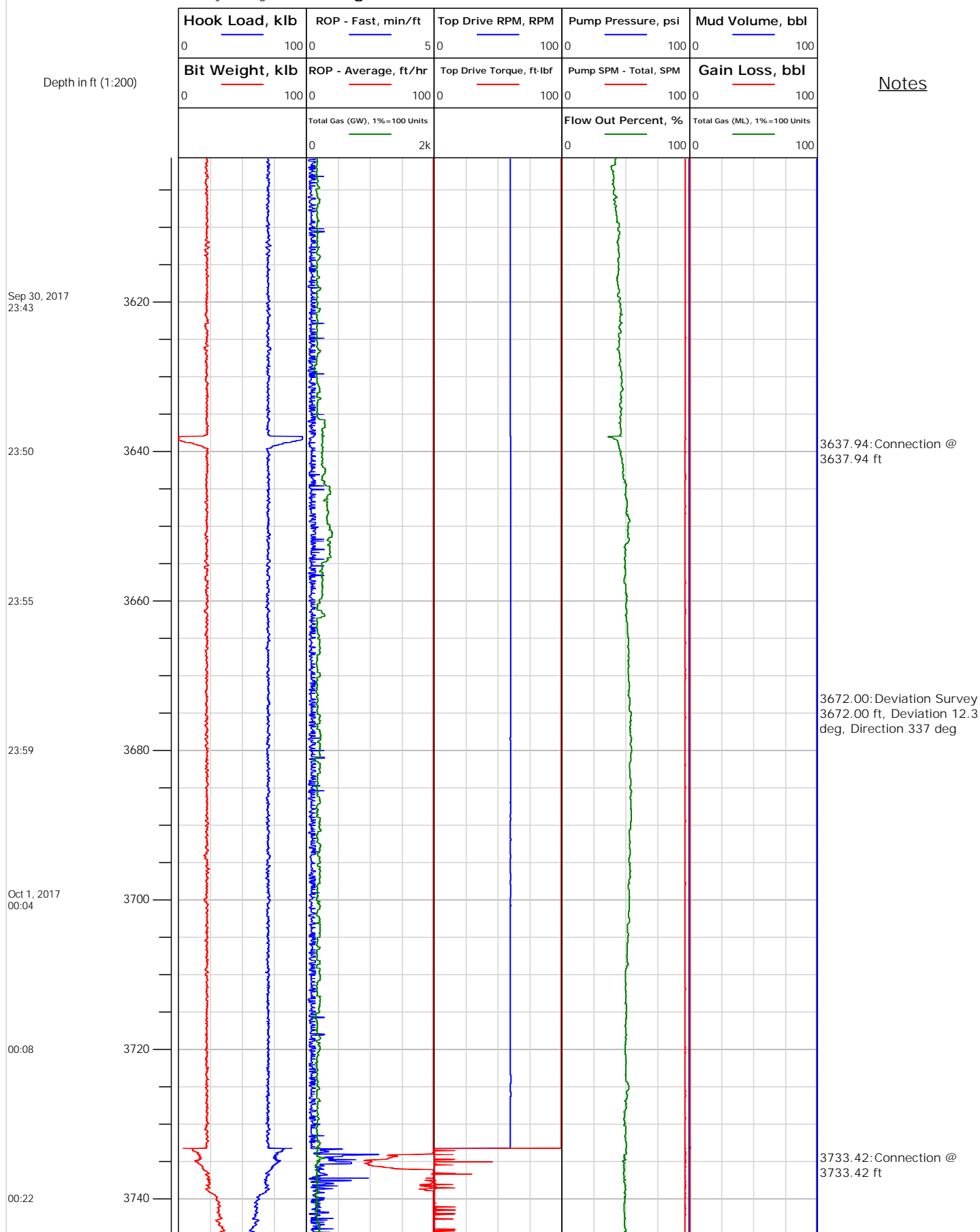
Location:

Electronic Drilling Recorder



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Electronic Drilling Recorder





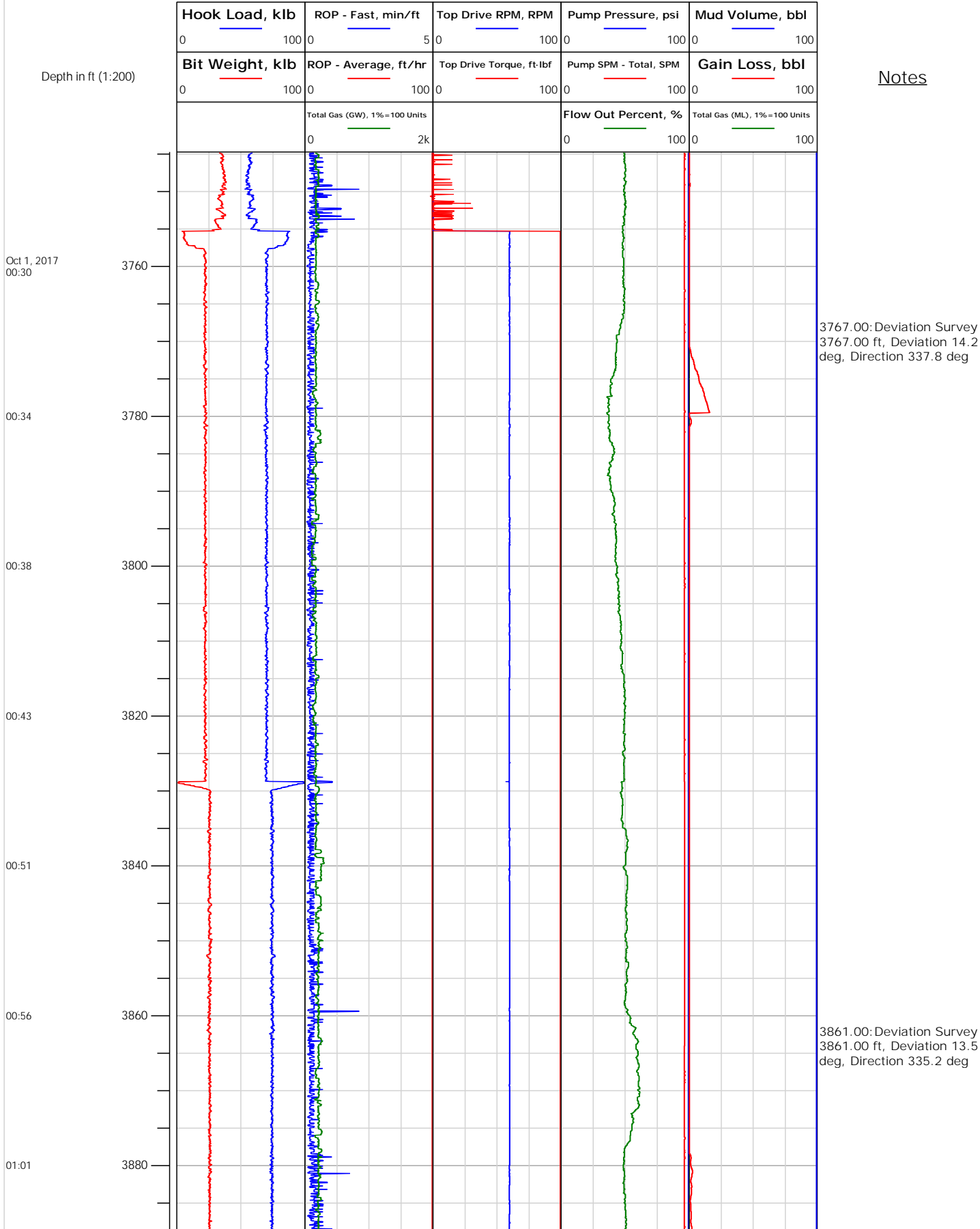
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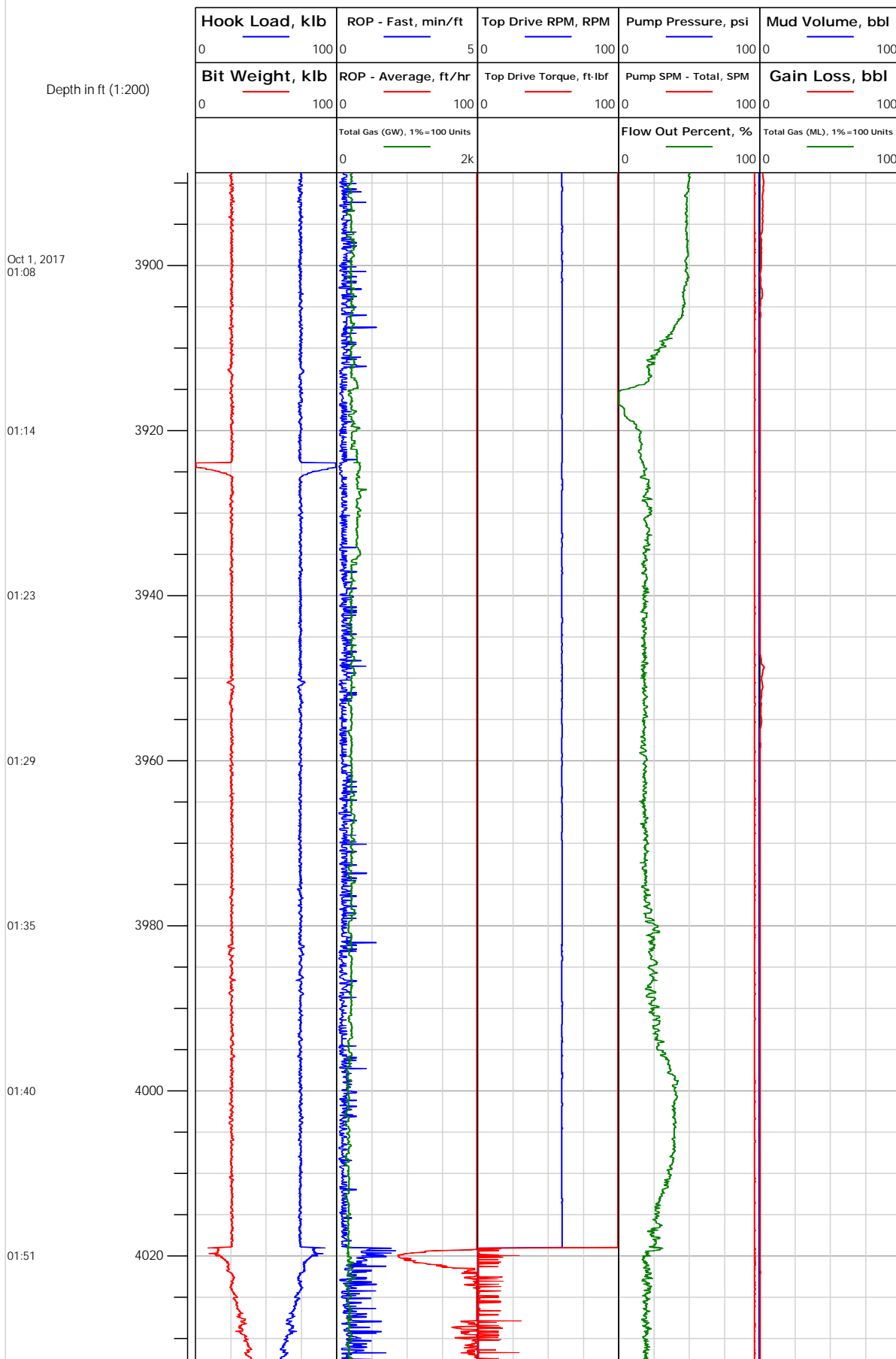
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Rig: 290

Location:

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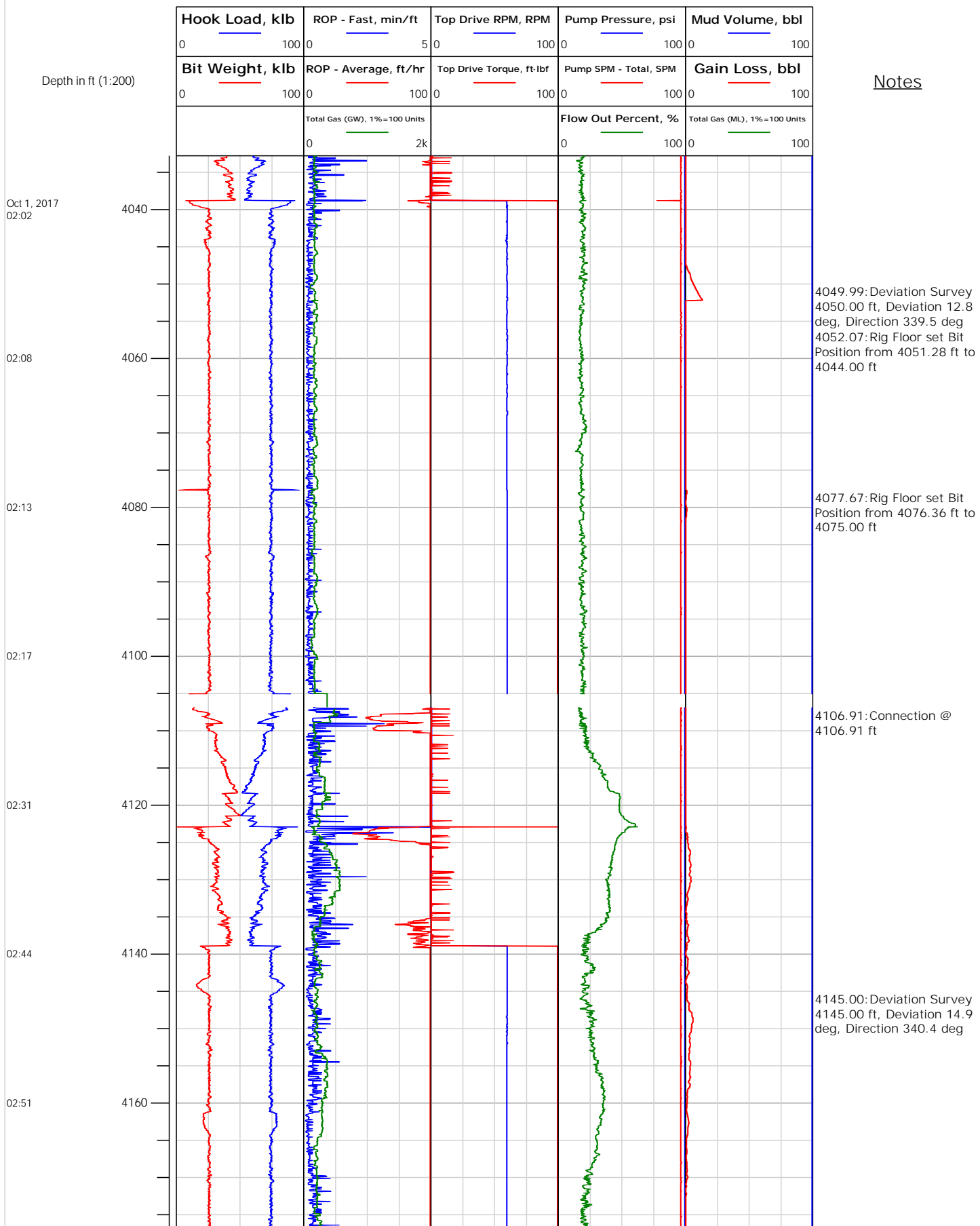
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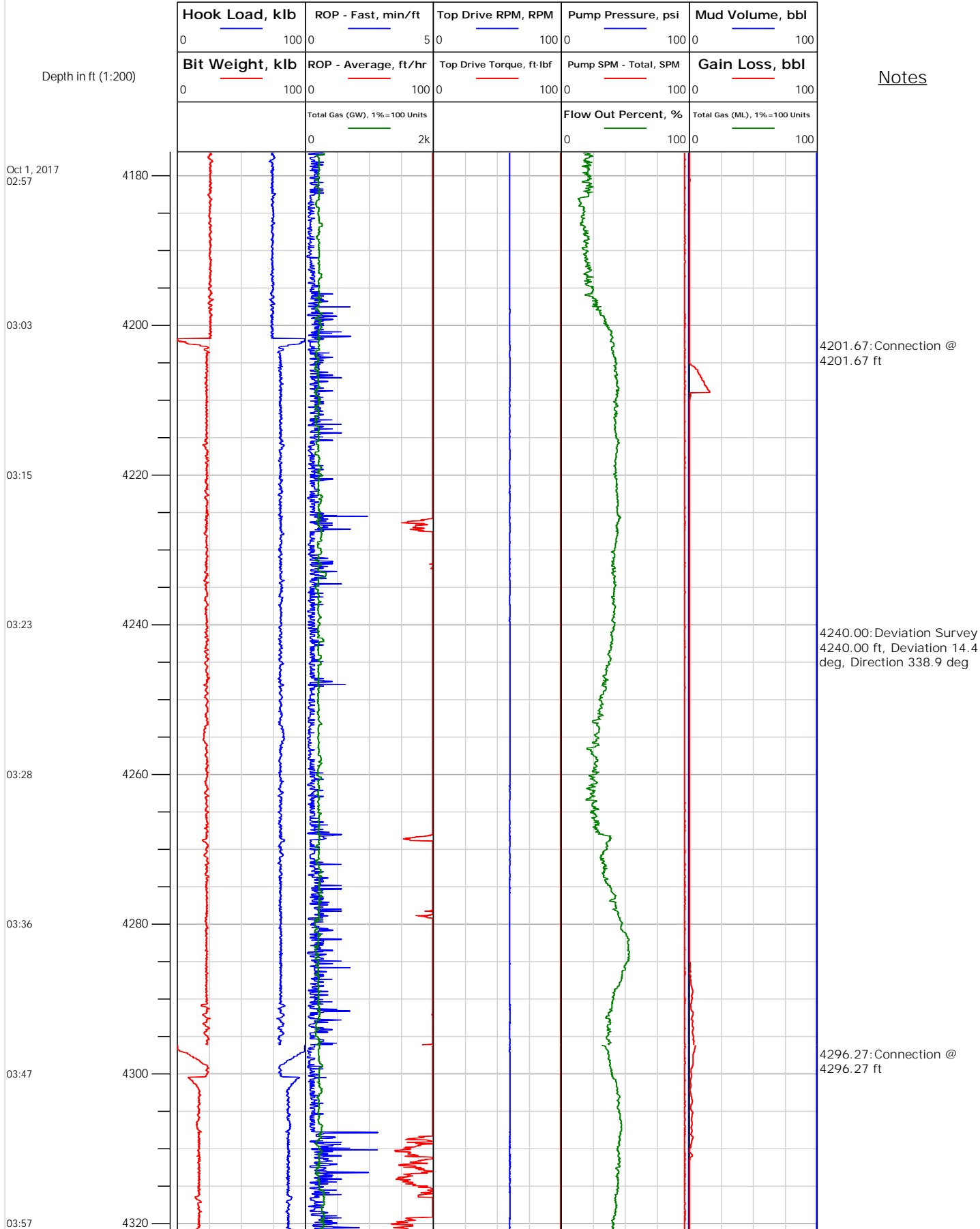
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Well Name: Bruton 19-06W
Rig: 290

Location:

Notes

Depth in ft (1:200)

Oct 1, 2017
04:07

04:11

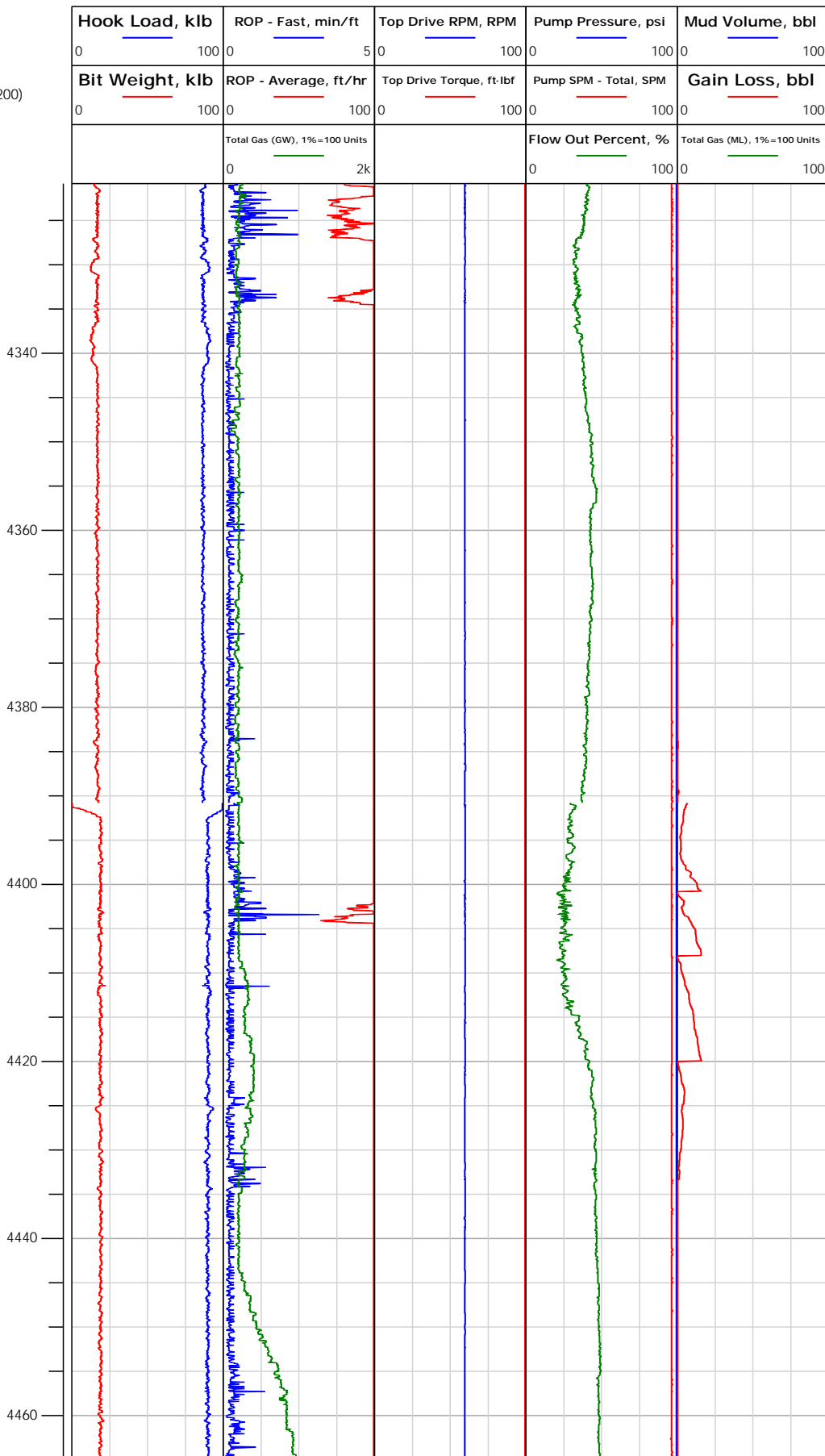
04:15

04:23

04:30

04:35

04:40





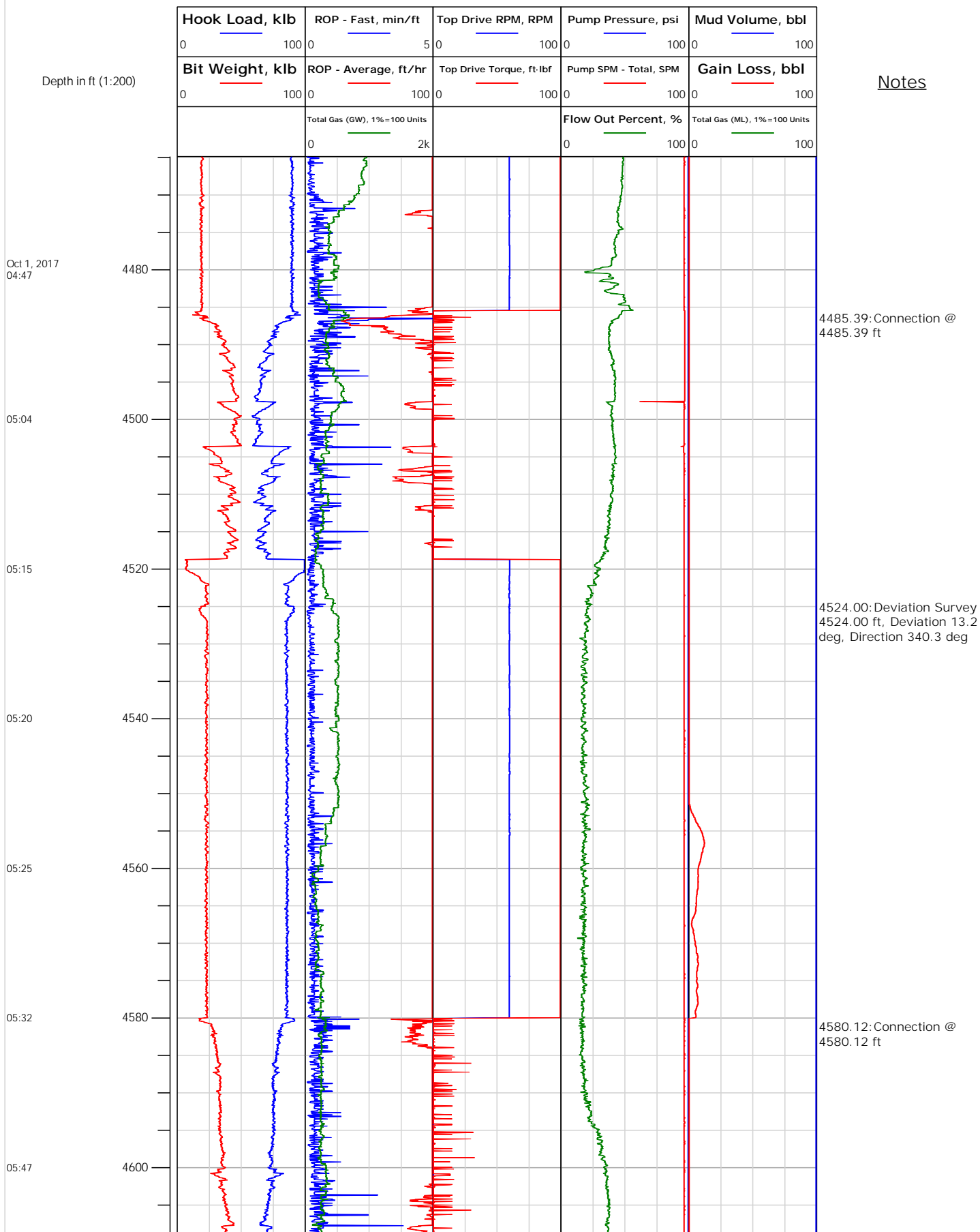
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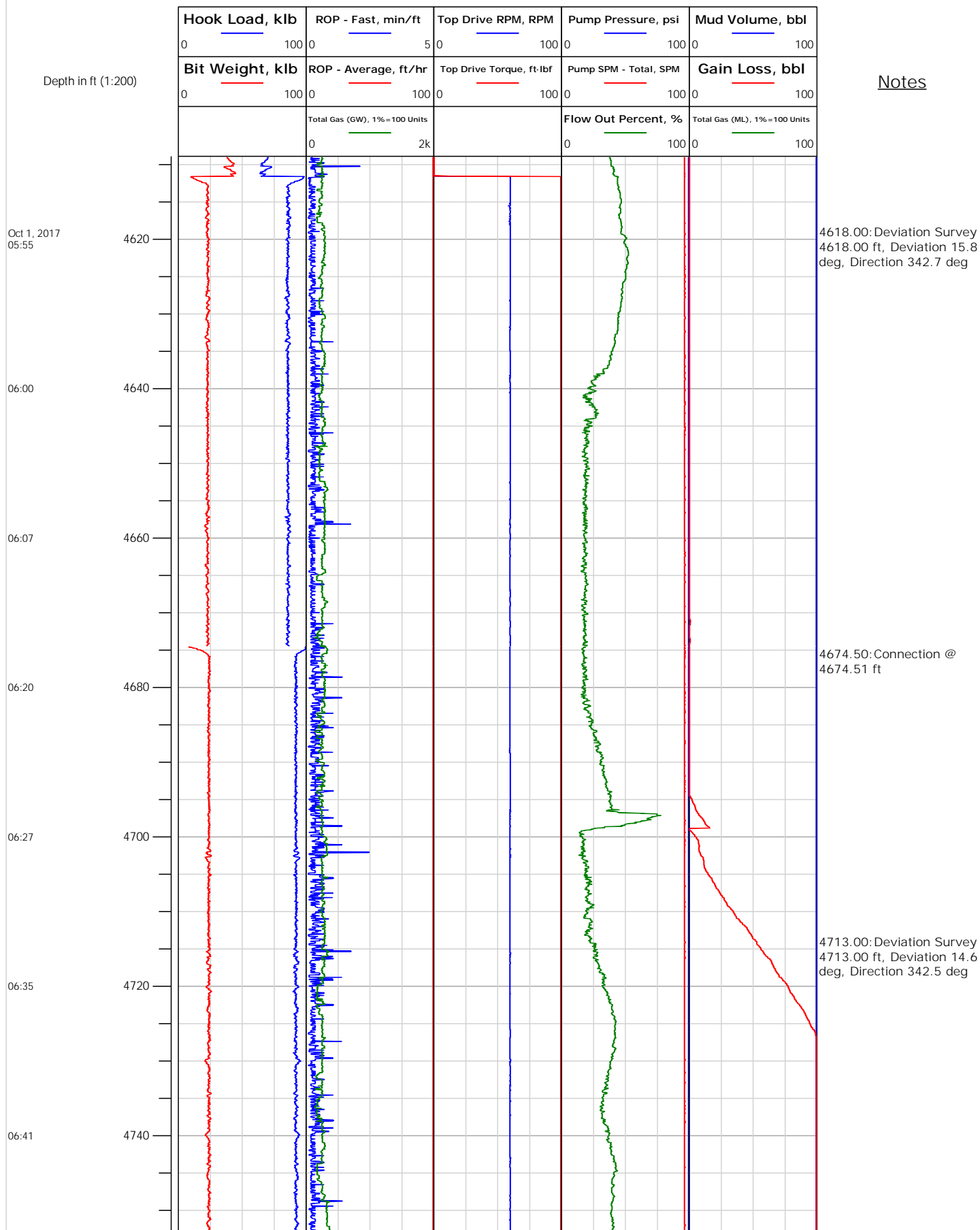
Location:

Notes



Location:

Electronic Drilling Recorder





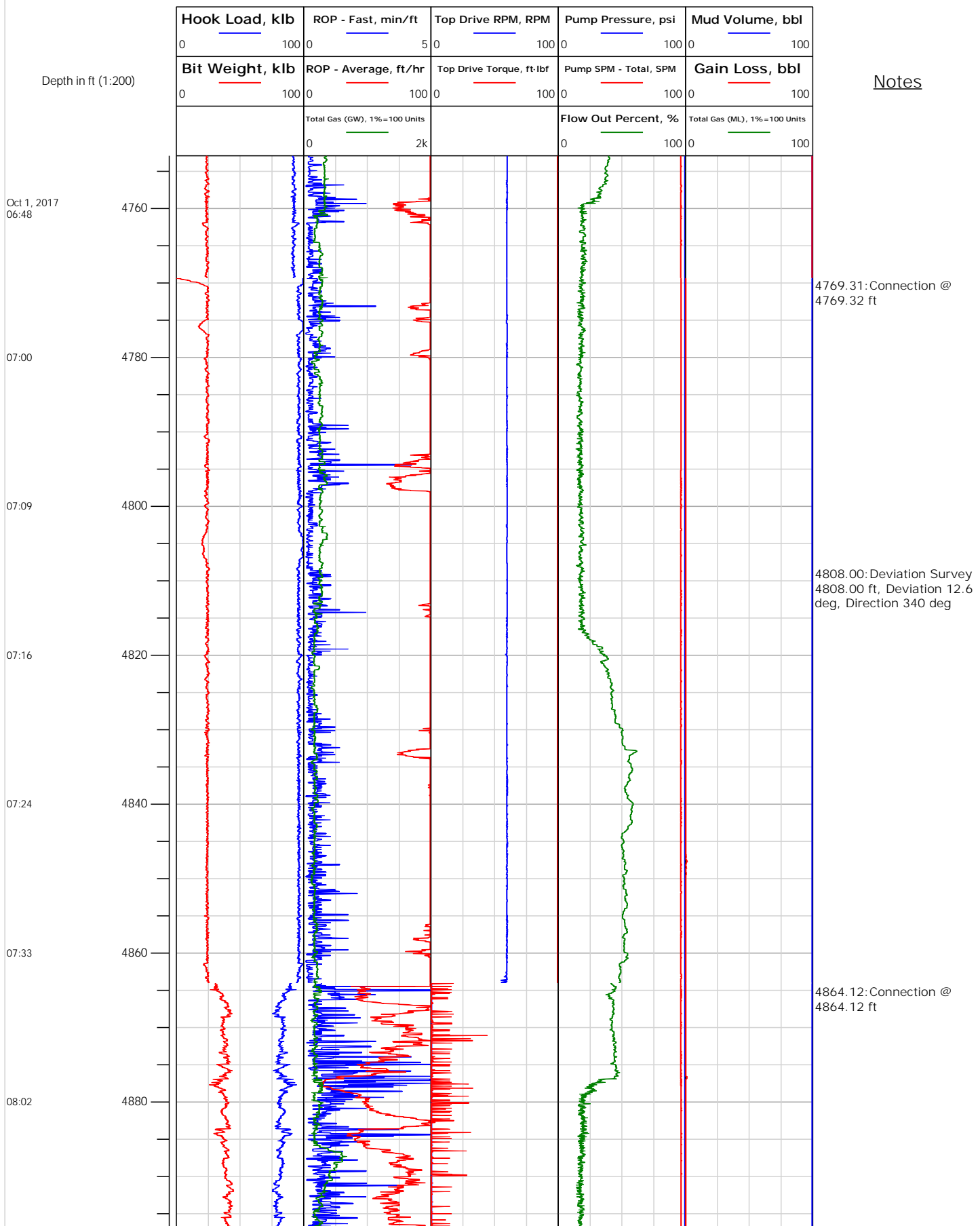
Electronic Drilling Recorder

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Rig: 290

Location:

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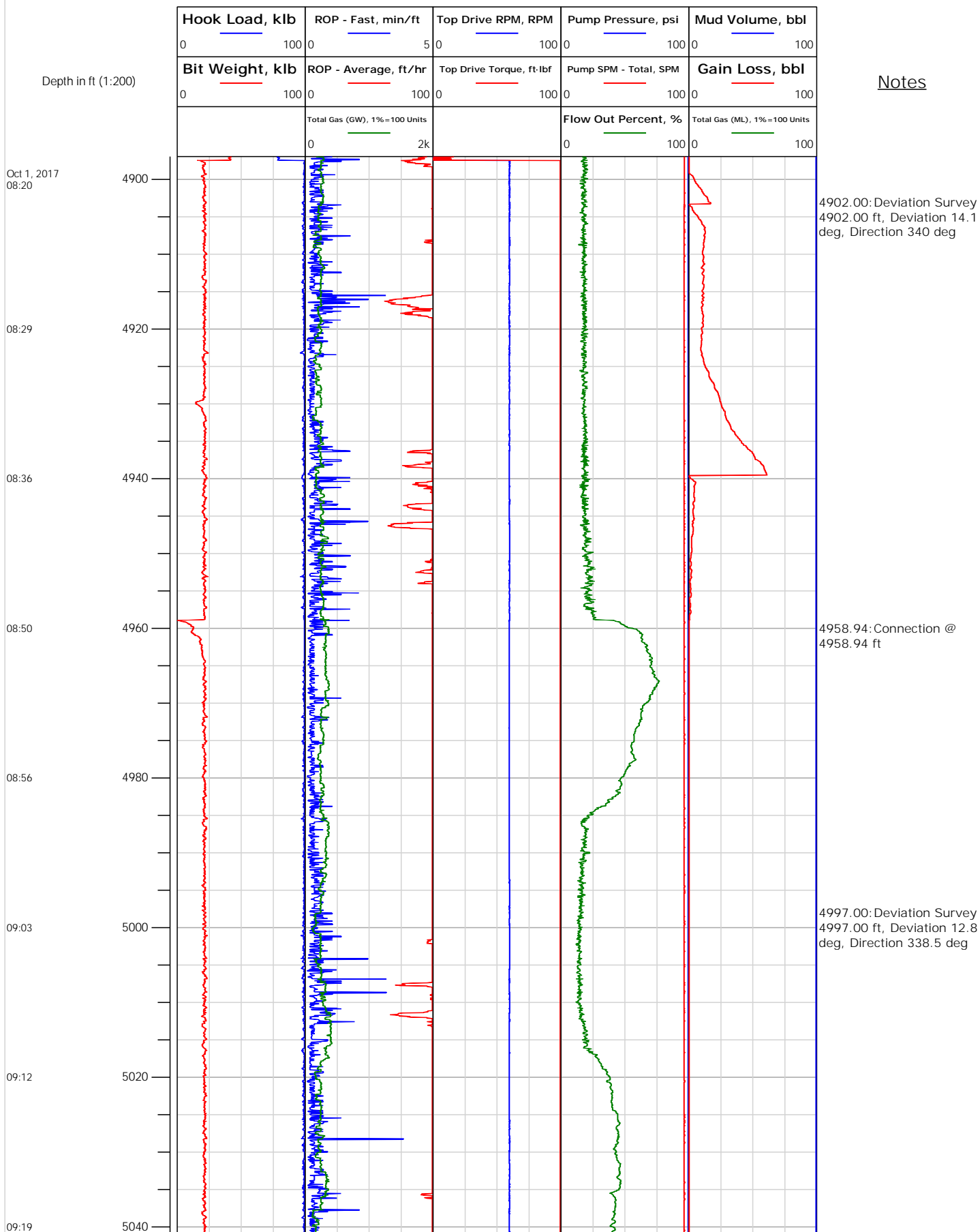


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Rig: 290

Location:





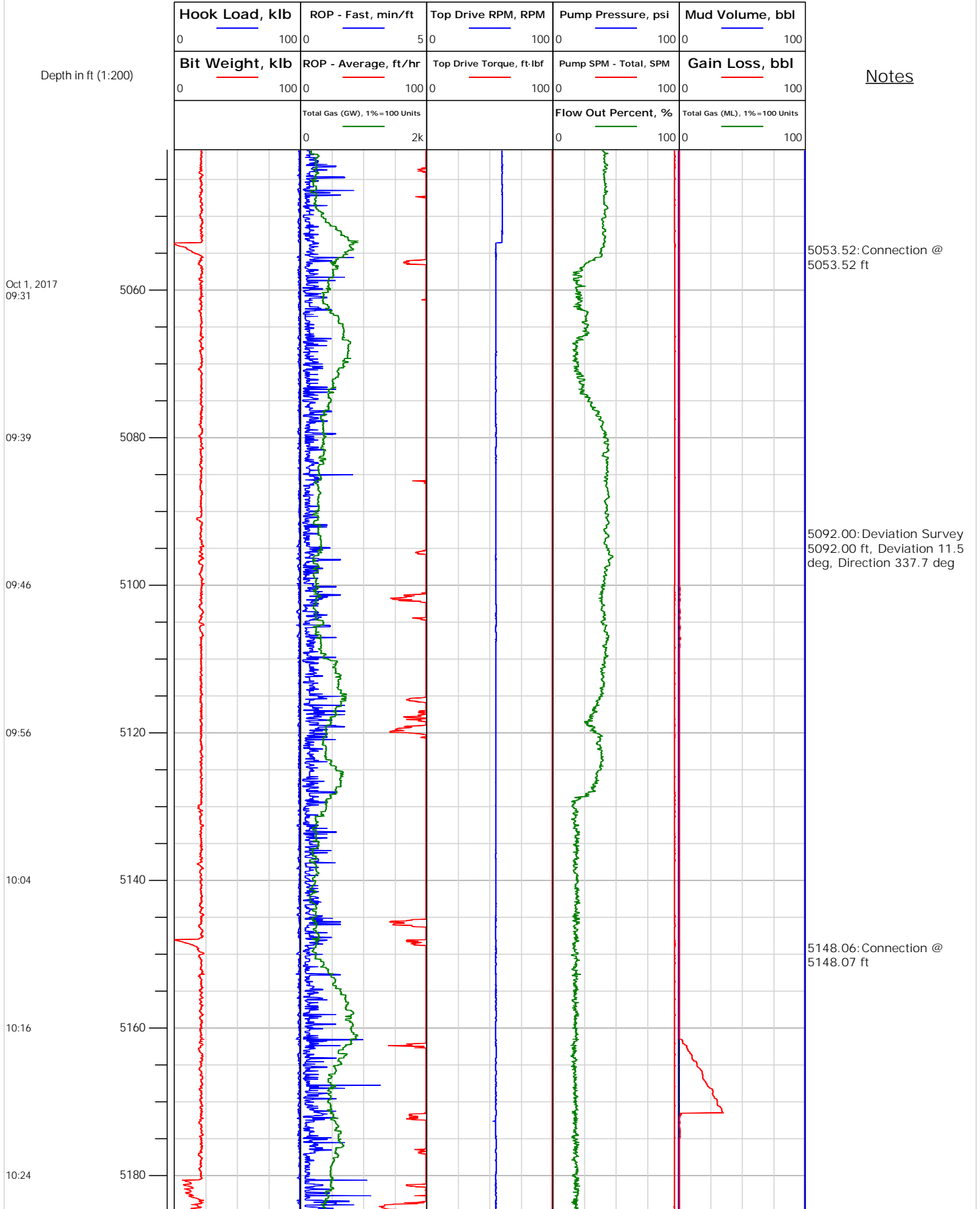
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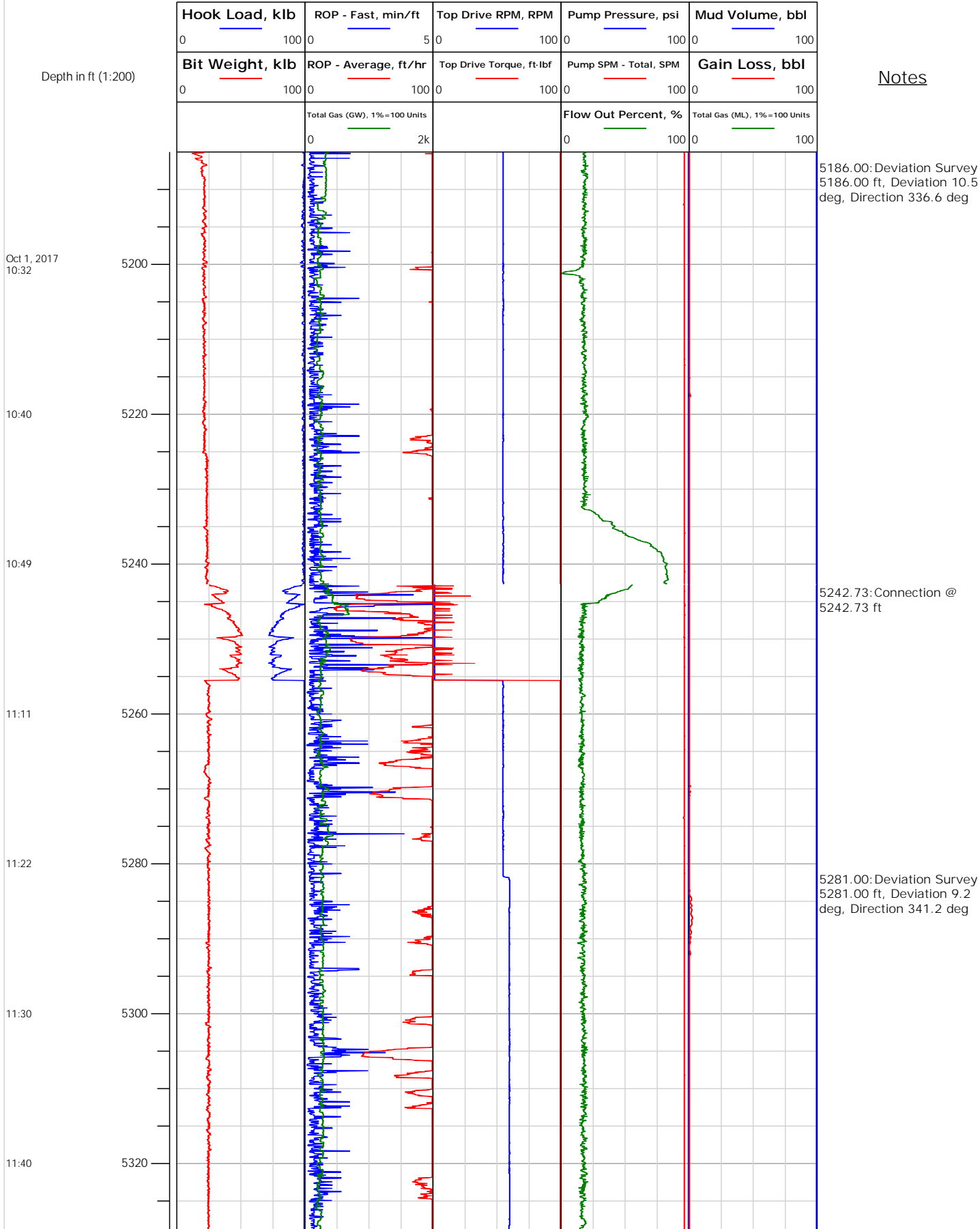
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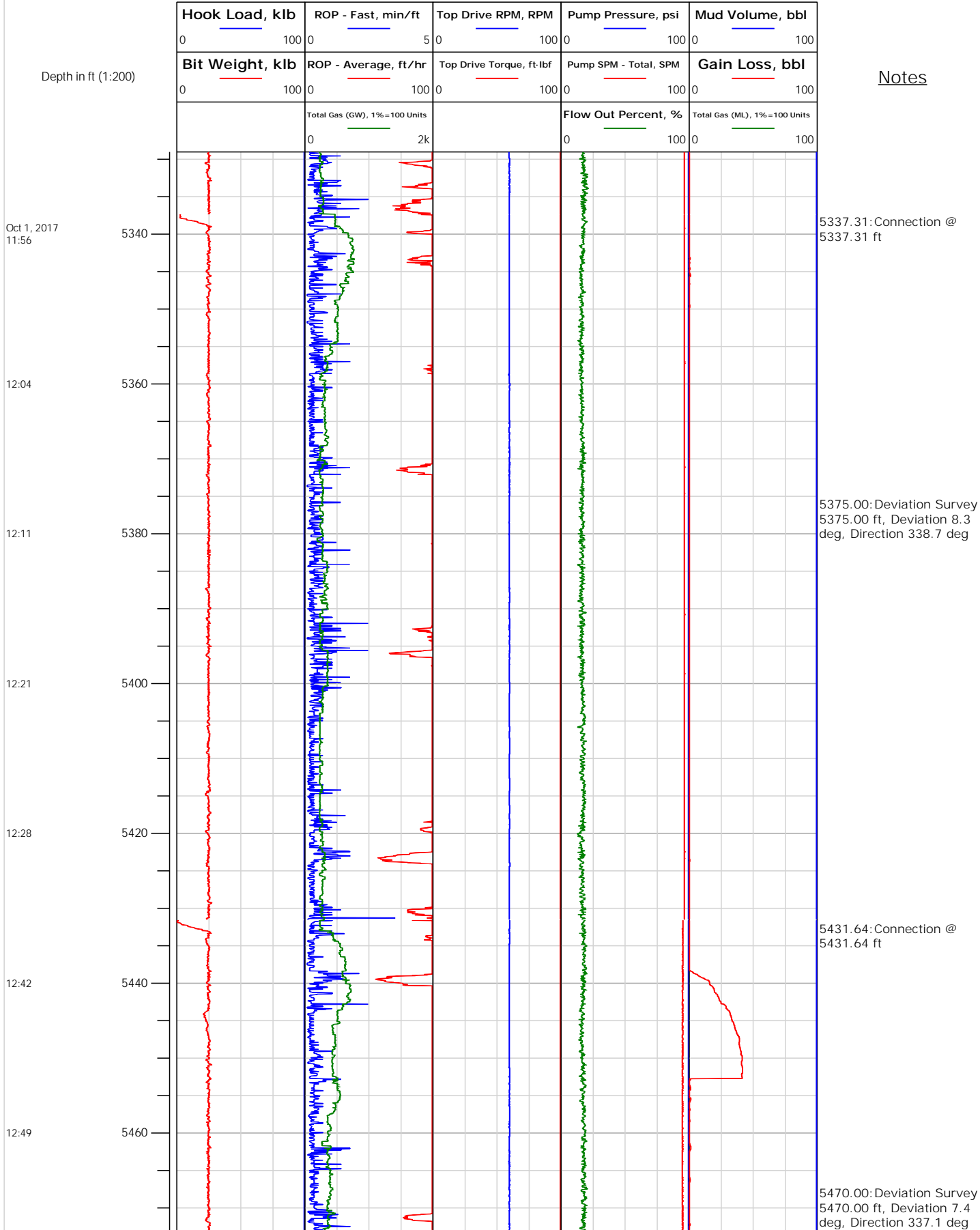
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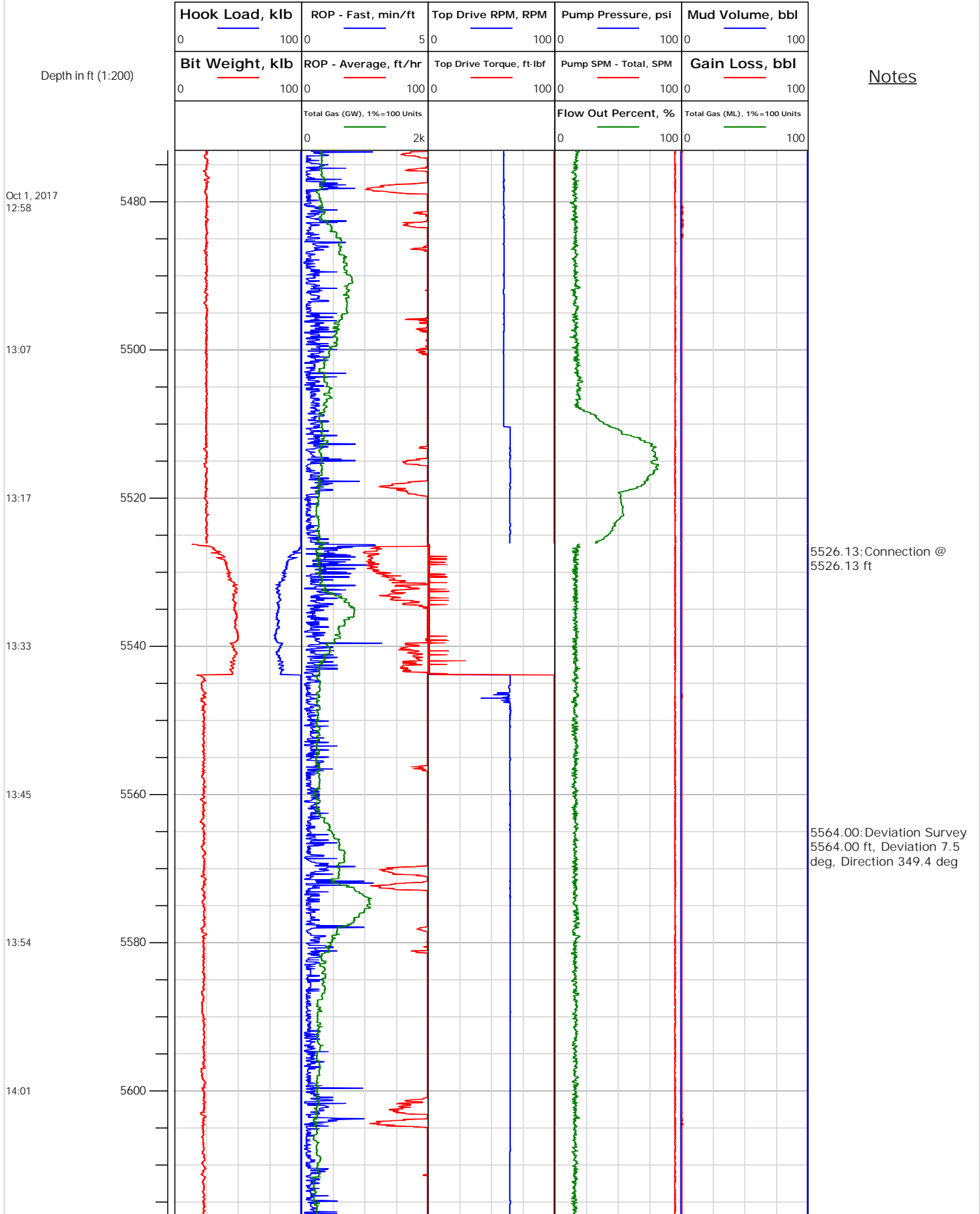
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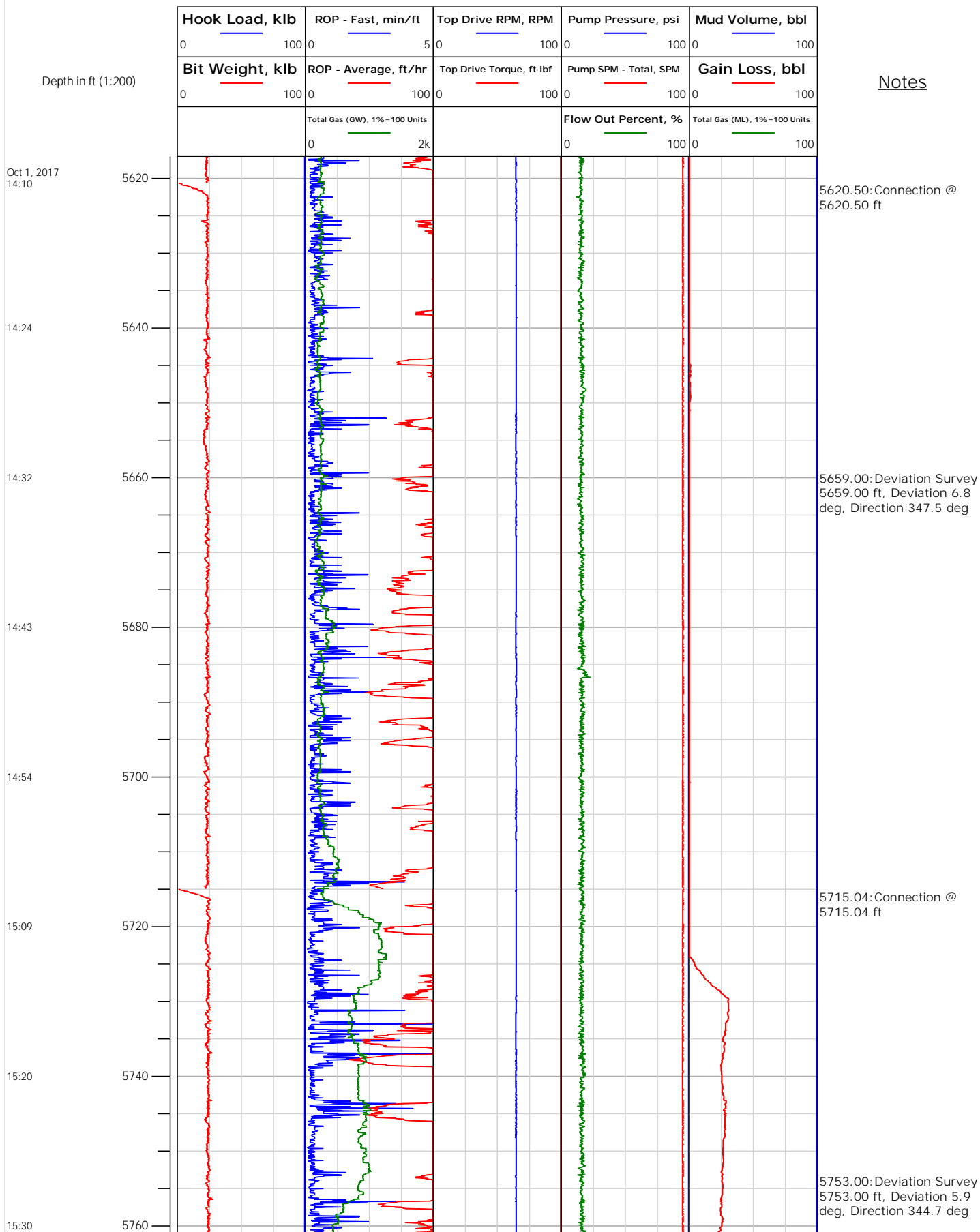
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Rig: 290

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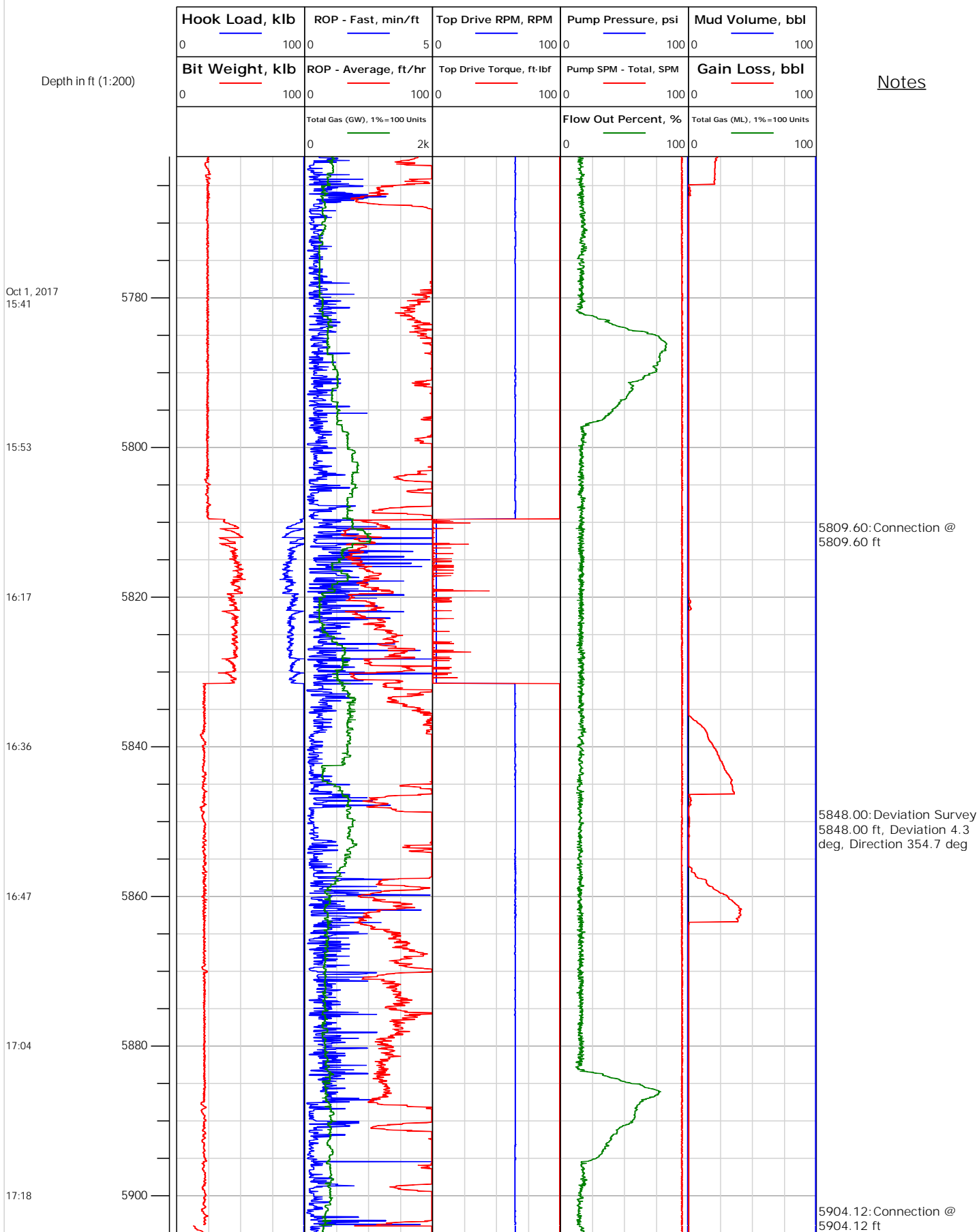
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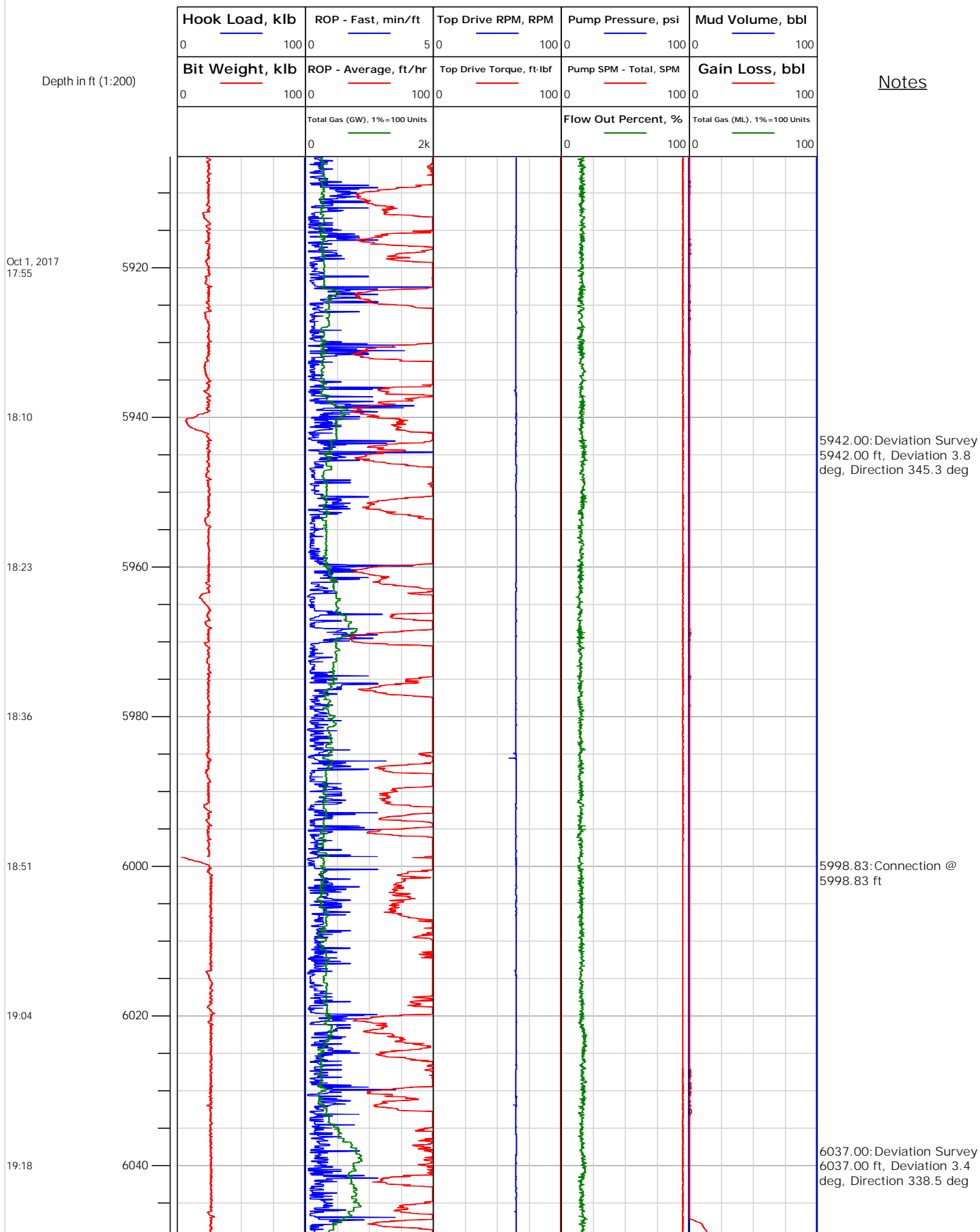
Location:

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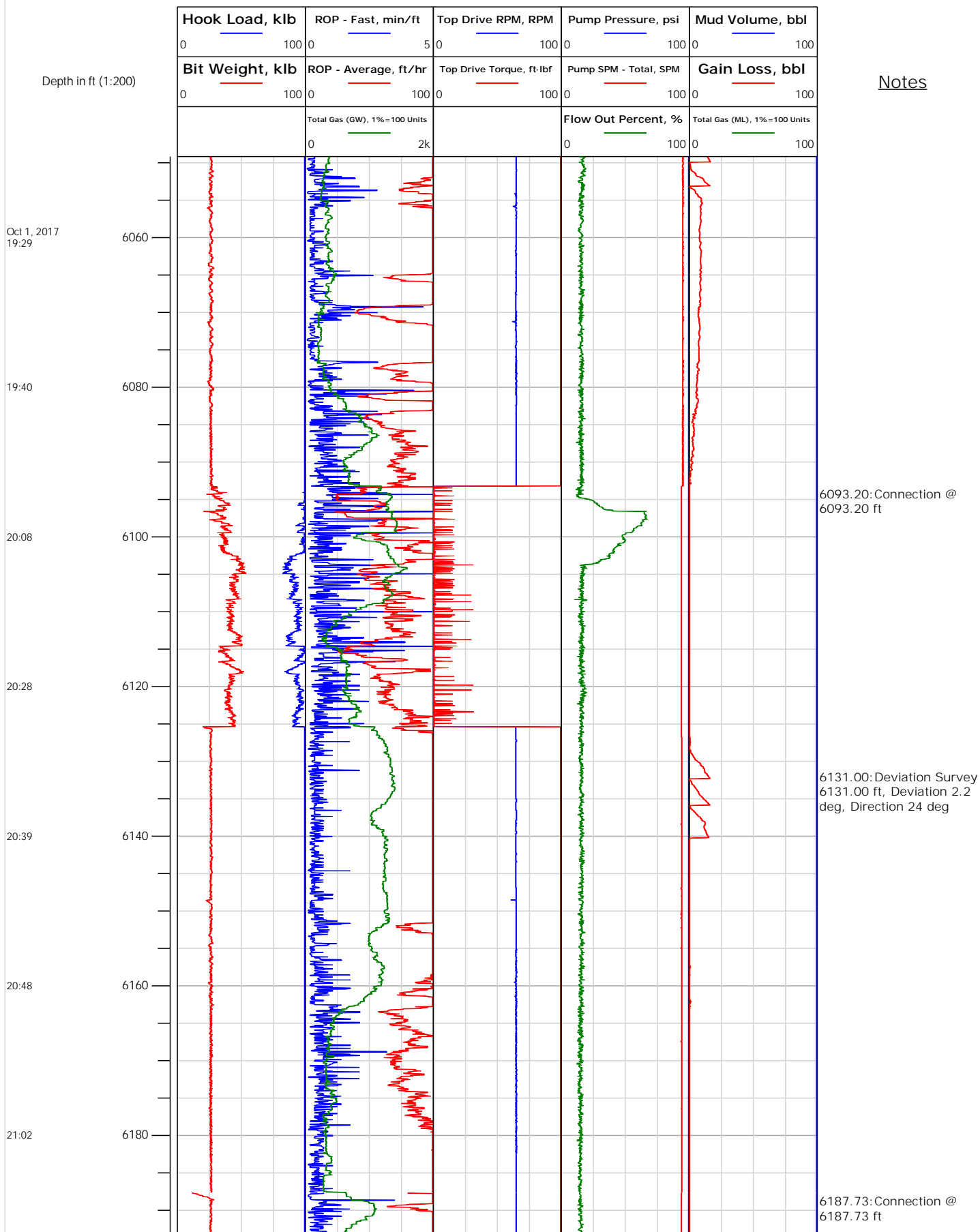


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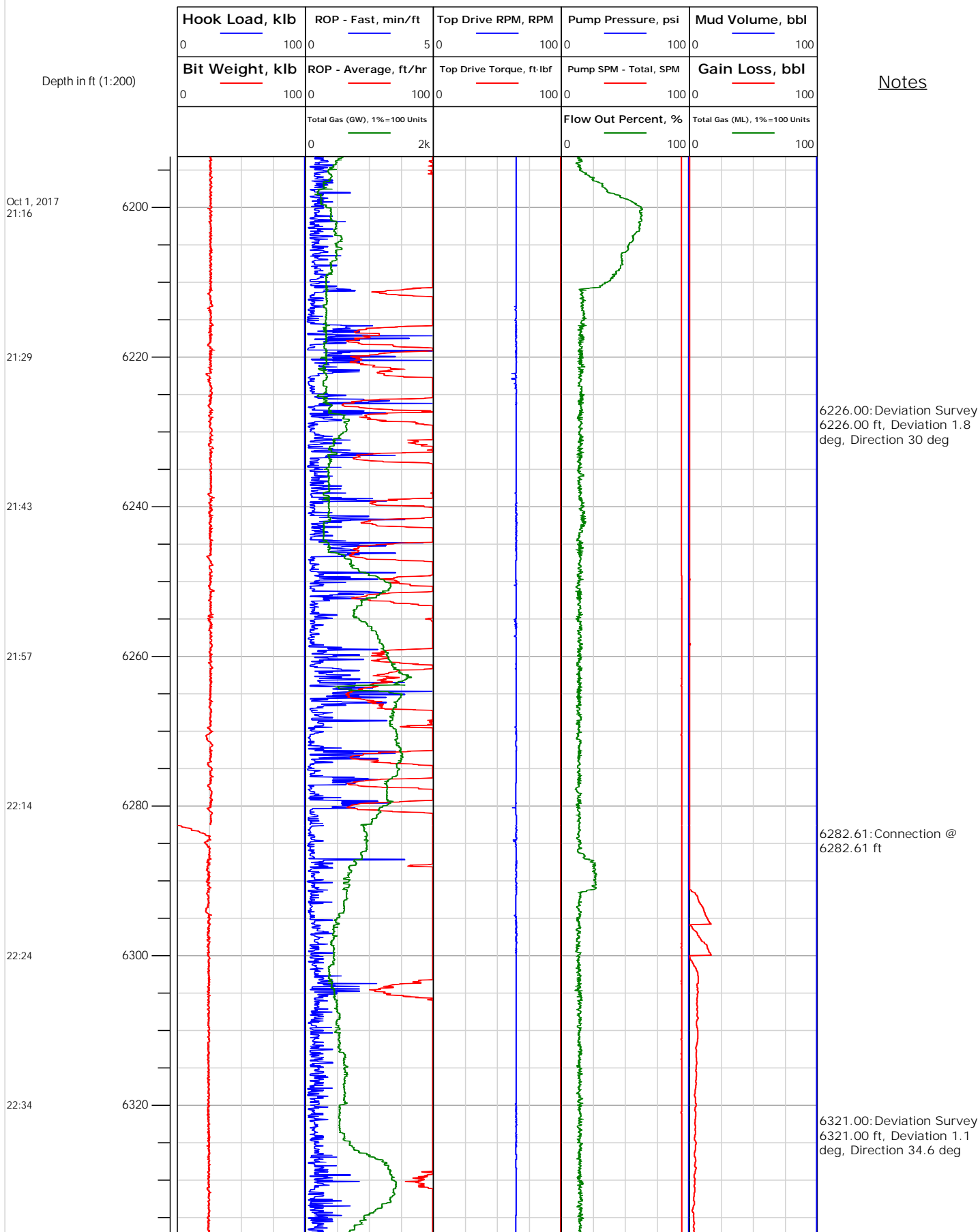
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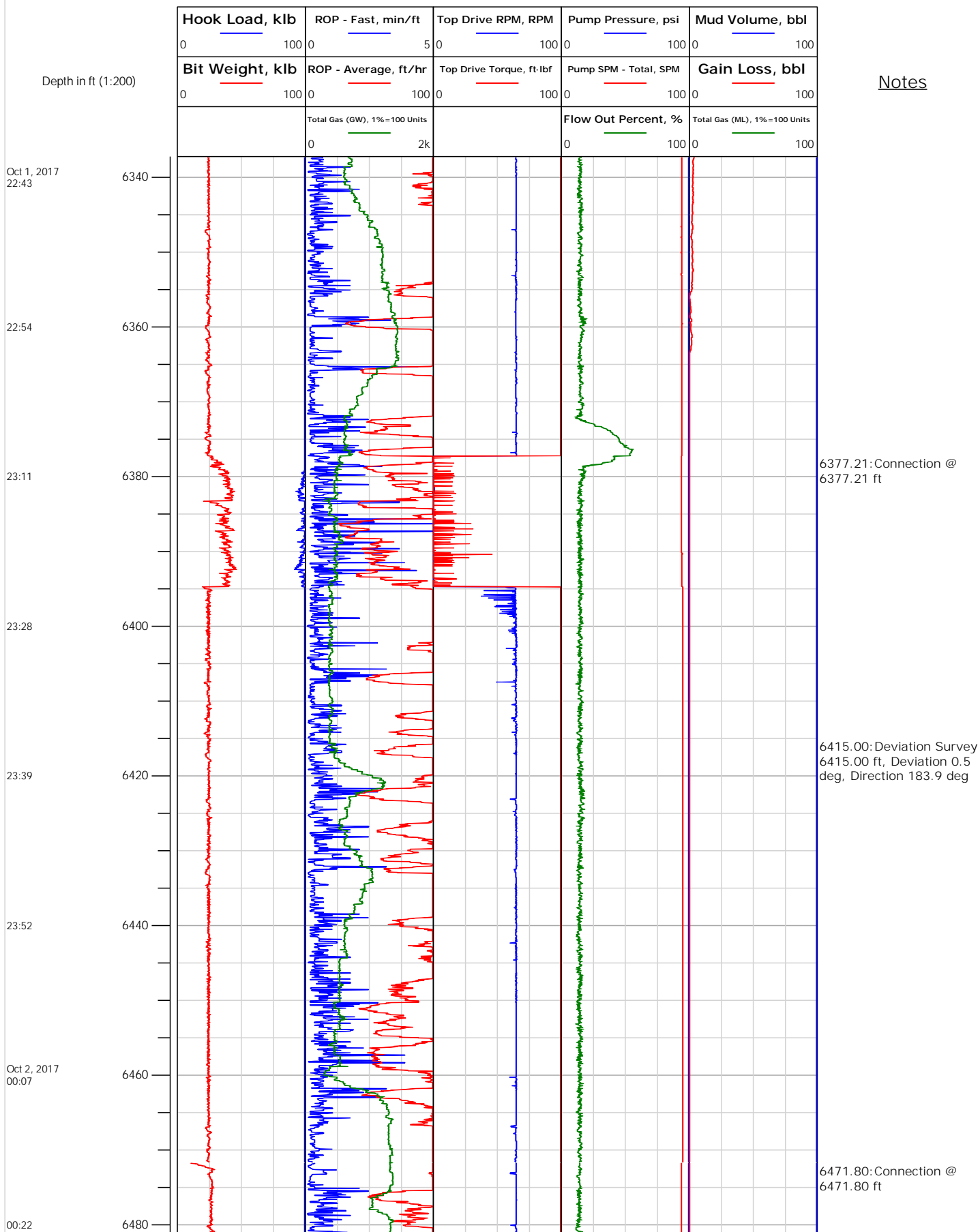
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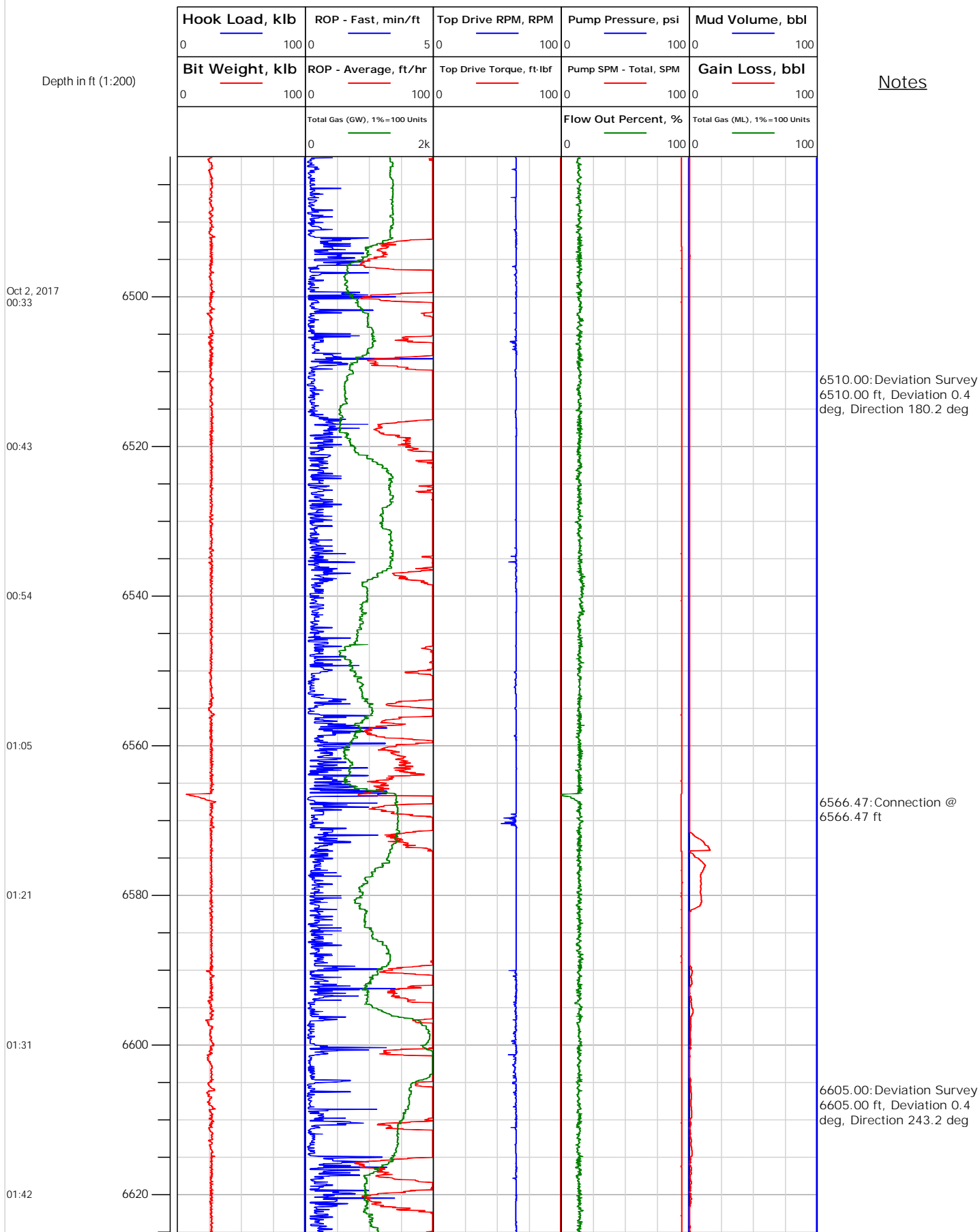
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Rig: 290

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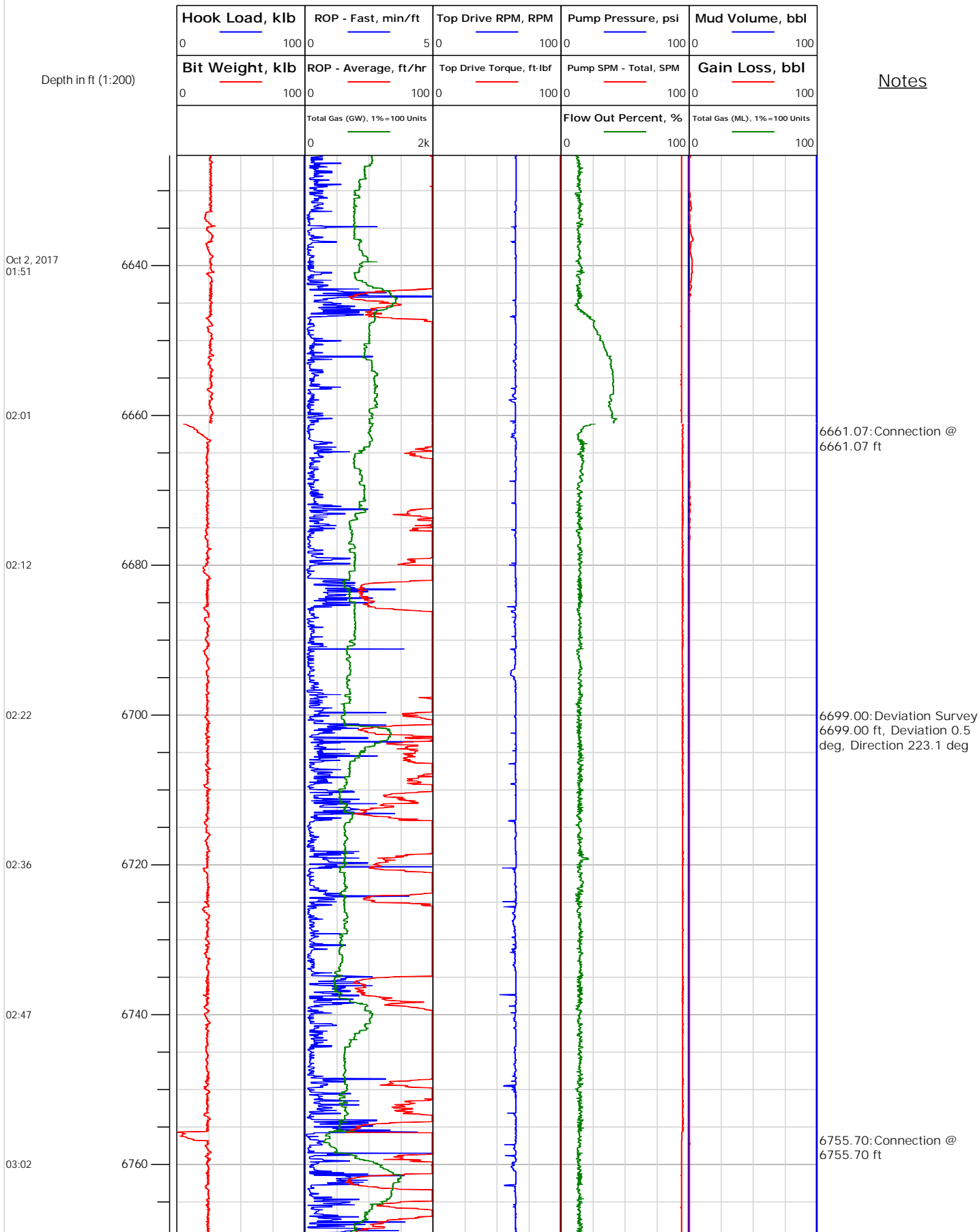
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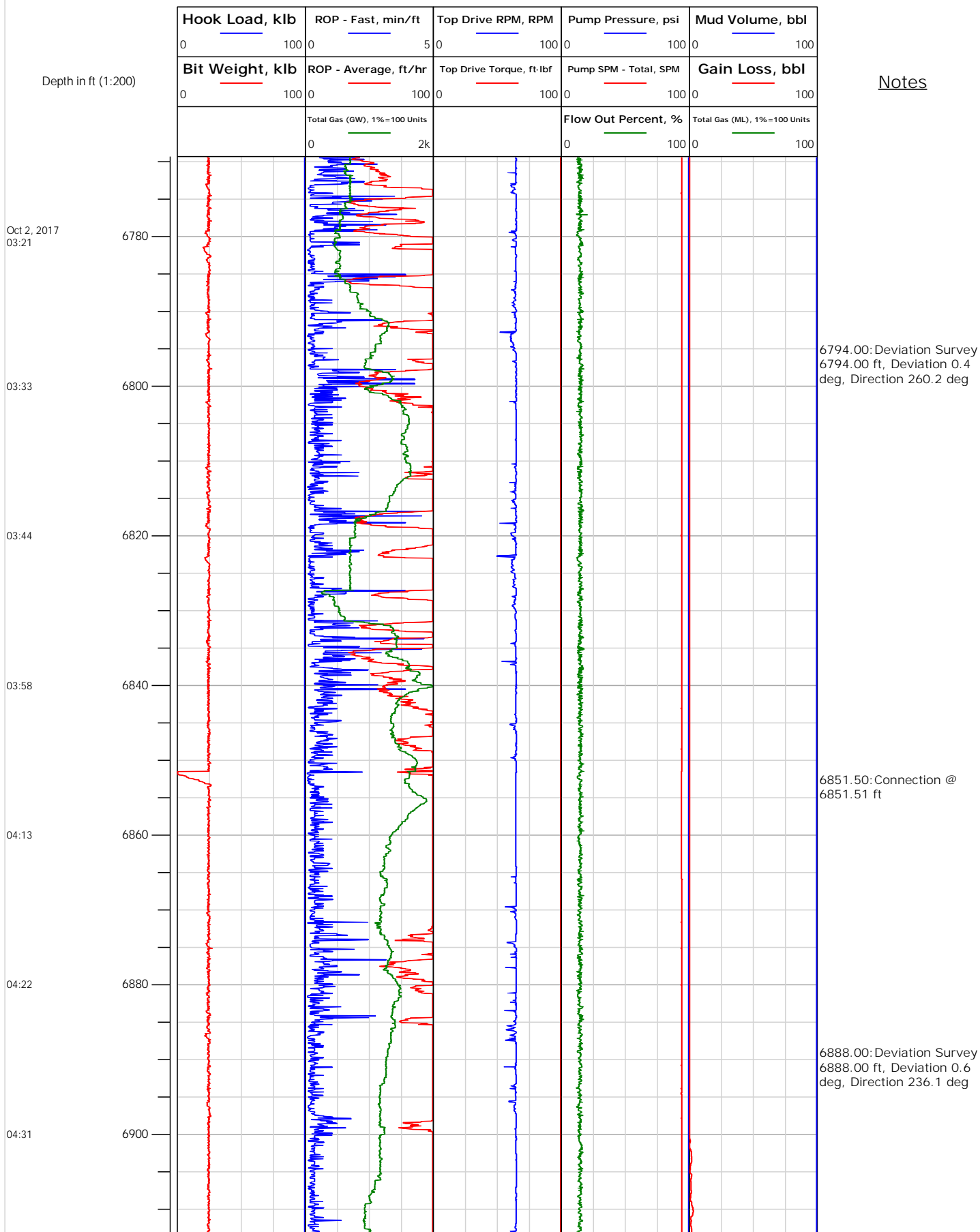
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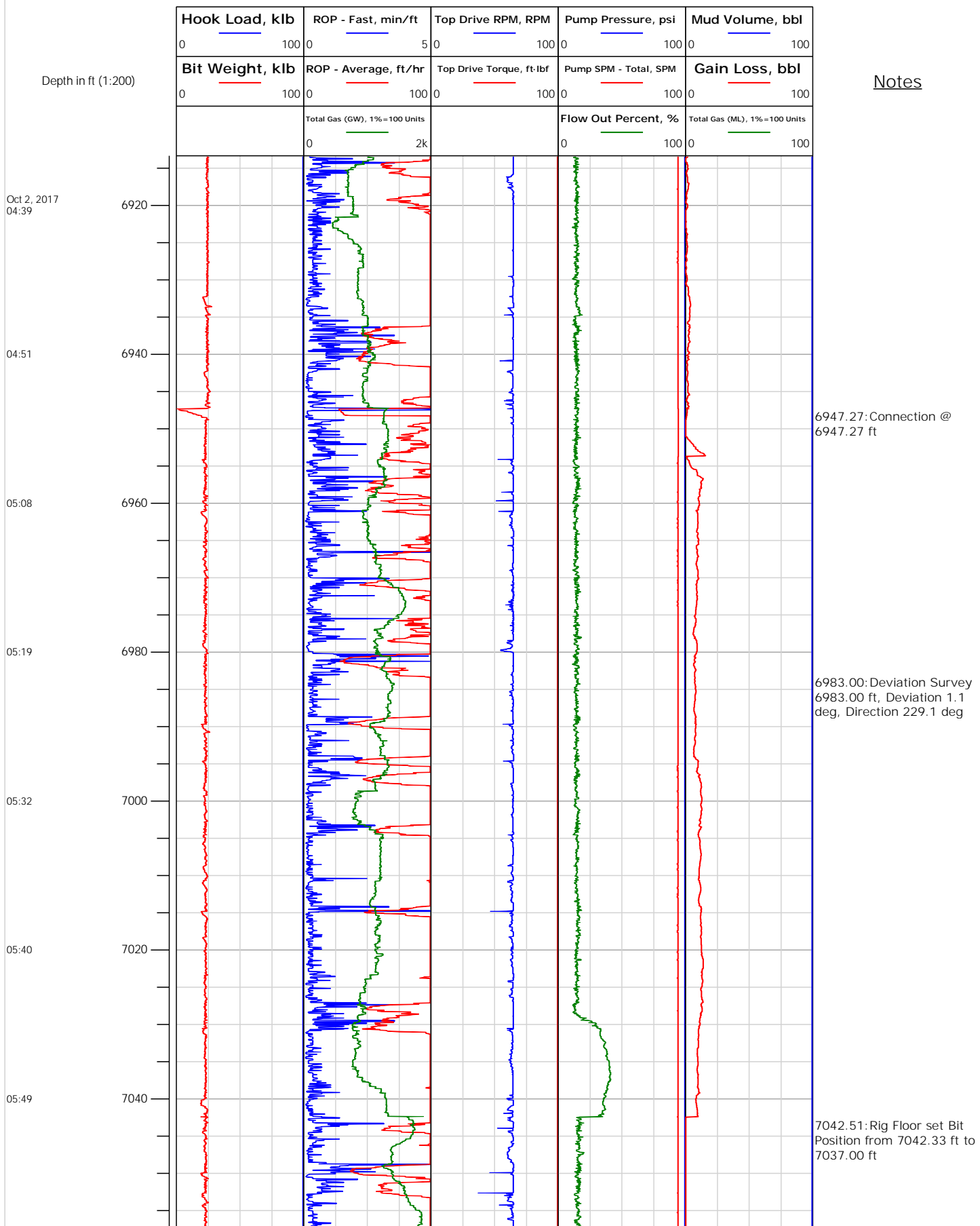
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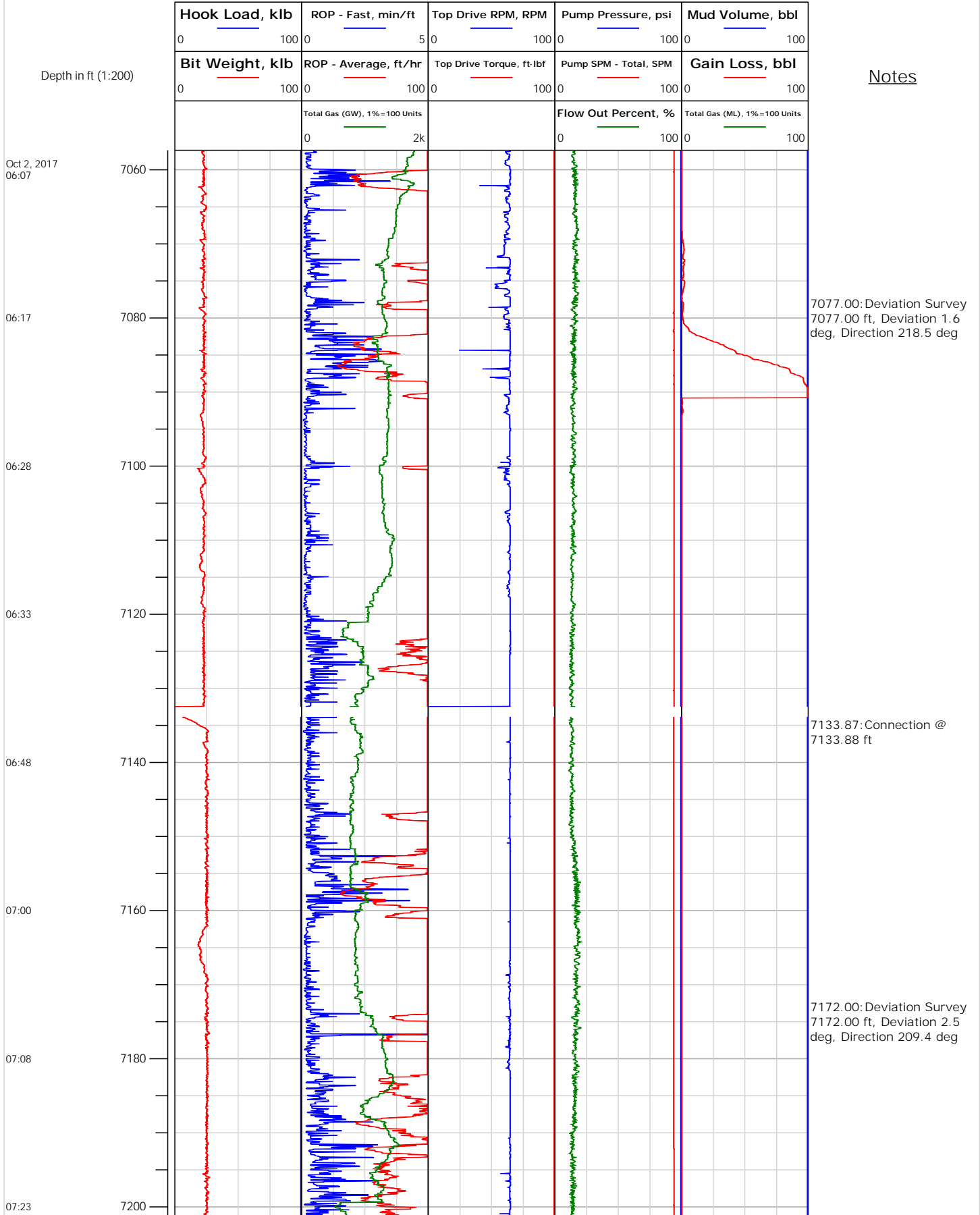
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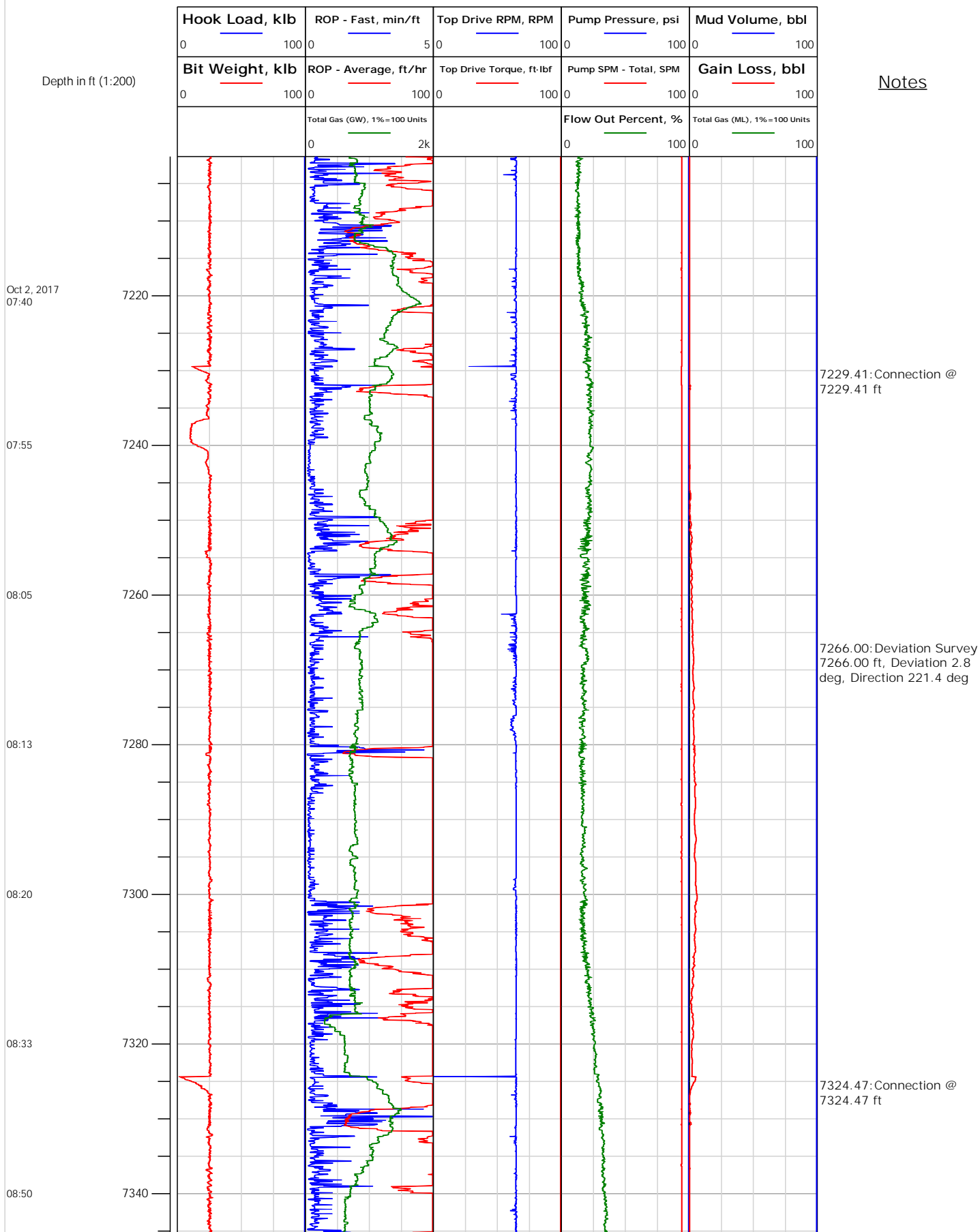
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Operator: Laramie Energy
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Well Name: Bruton 19-06W
Rig: 290

Location:

Depth in ft (1:200)

Notes

Oct 2, 2017
09:03

09:16

09:33

09:43

09:52

09:58

10:15

7360

7380

7400

7420

7440

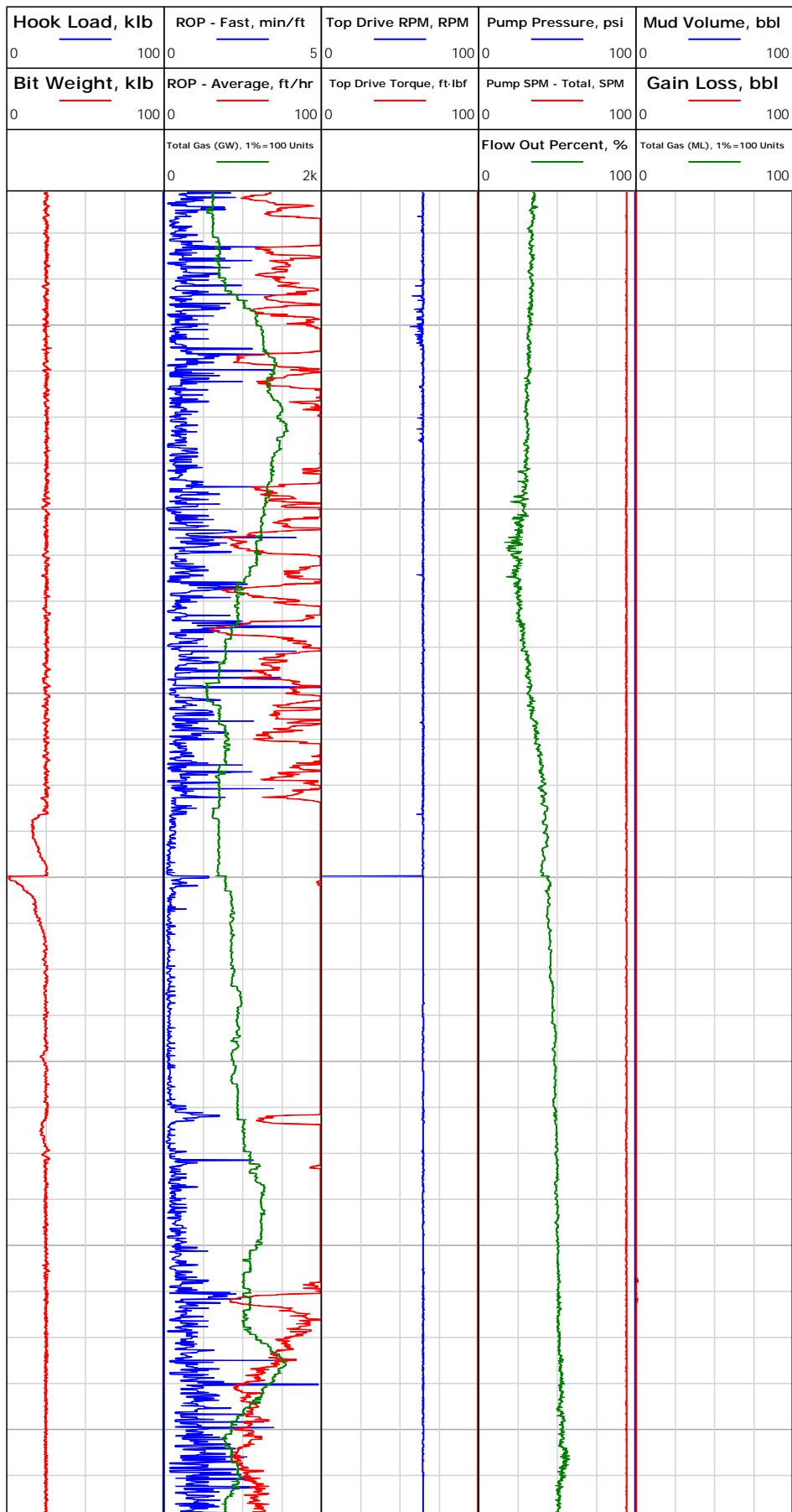
7460

7480

7361.00: Deviation Survey
7361.00 ft, Deviation 3
deg, Direction 235.6 deg

7419.90: Connection @
7419.90 ft

7456.00: Deviation Survey
7456.00 ft, Deviation 3.5
deg, Direction 244.9 deg





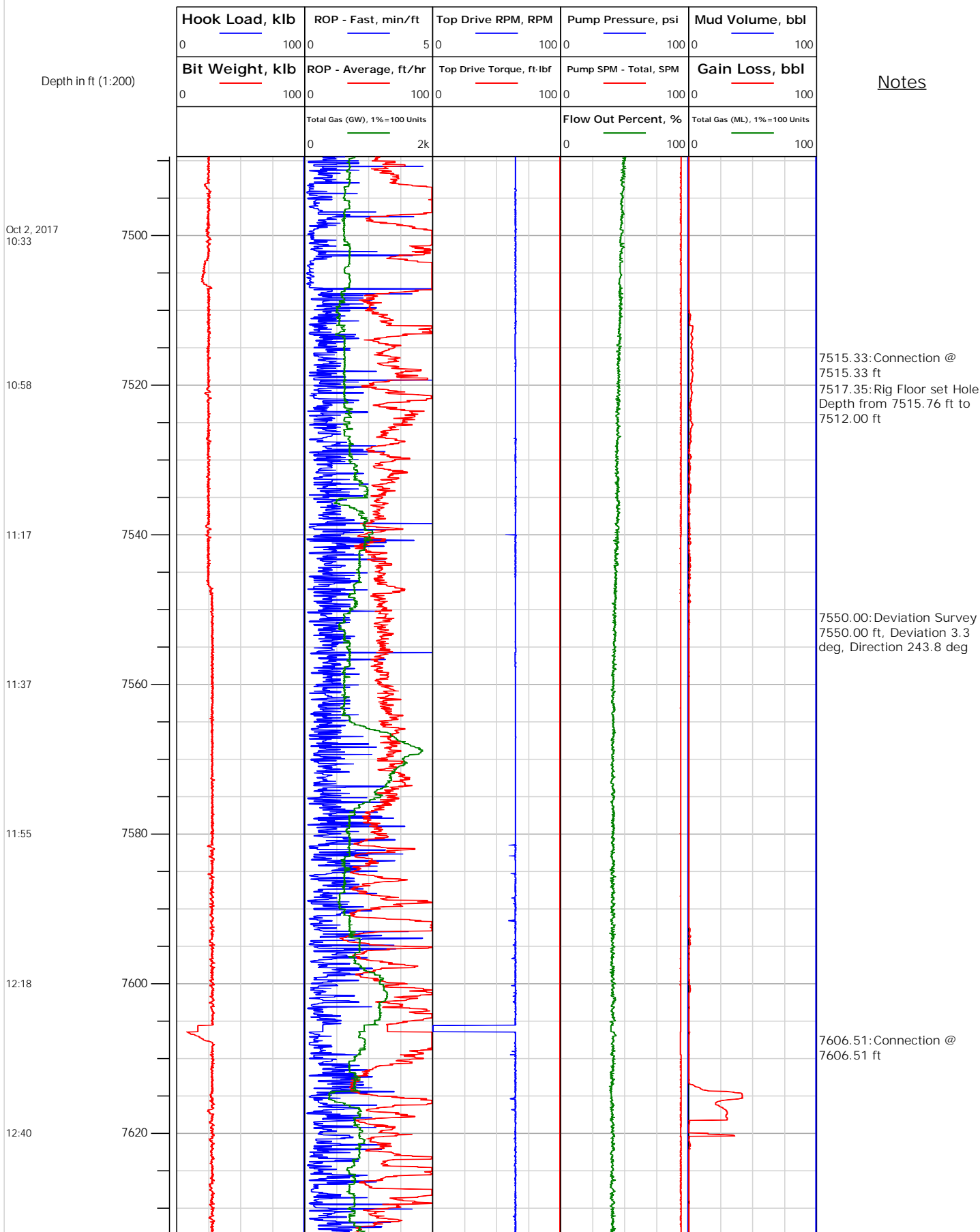
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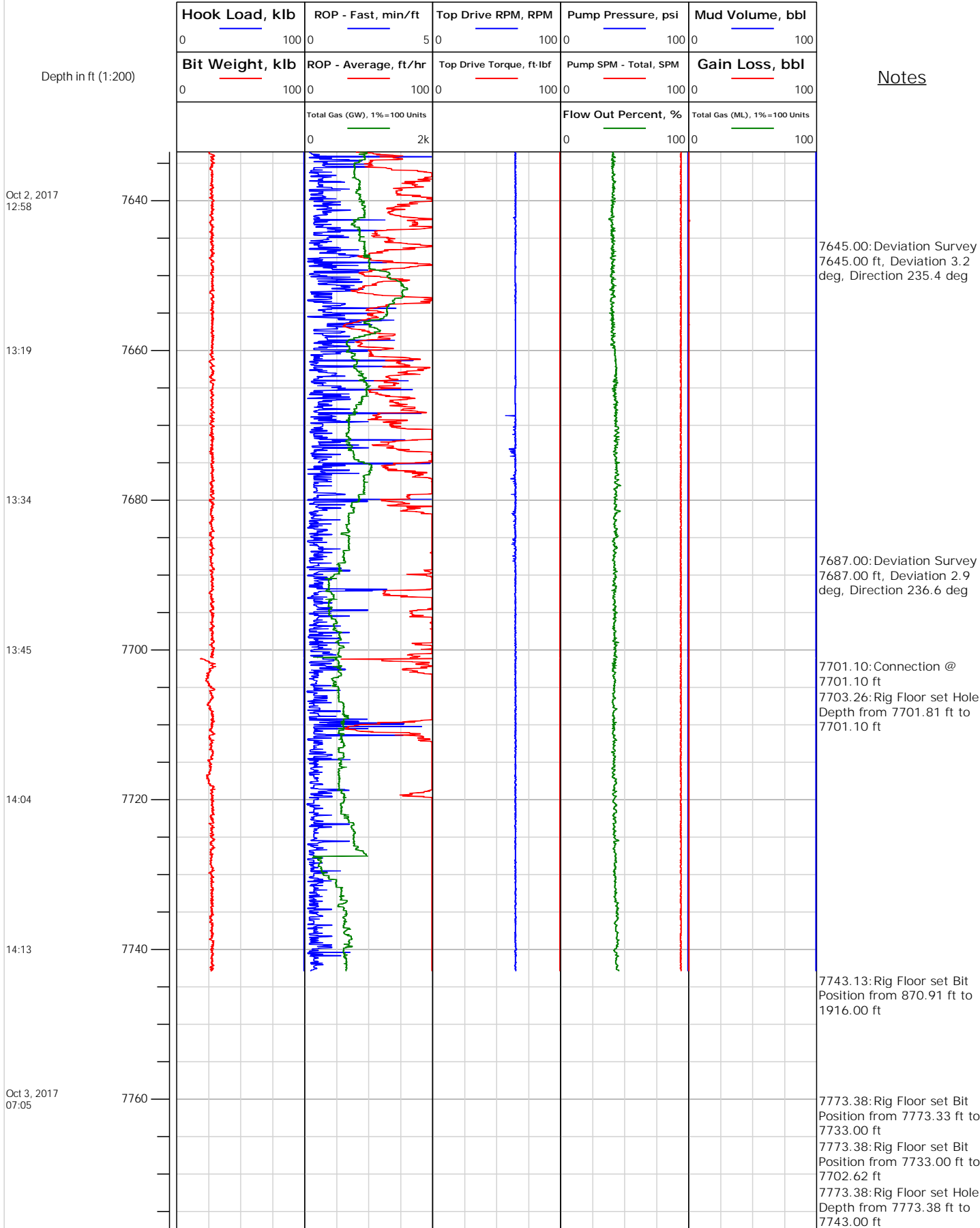
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Rig: 290

Location:

Depth in ft (1:200)

Notes

Hook Load, klb	ROP - Fast, min/ft	Top Drive RPM, RPM	Pump Pressure, psi	Mud Volume, bbl
0 100	0 5	0 100	0 100	0 100
Bit Weight, klb	ROP - Average, ft/hr	Top Drive Torque, ft-lbf	Pump SPM - Total, SPM	Gain Loss, bbl
0 100	0 100	0 100	0 100	0 100
	Total Gas (GW), 1%=100 Units		Flow Out Percent, %	Total Gas (ML), 1%=100 Units
	0 2k		0 100	0 100
7780				
7800				