

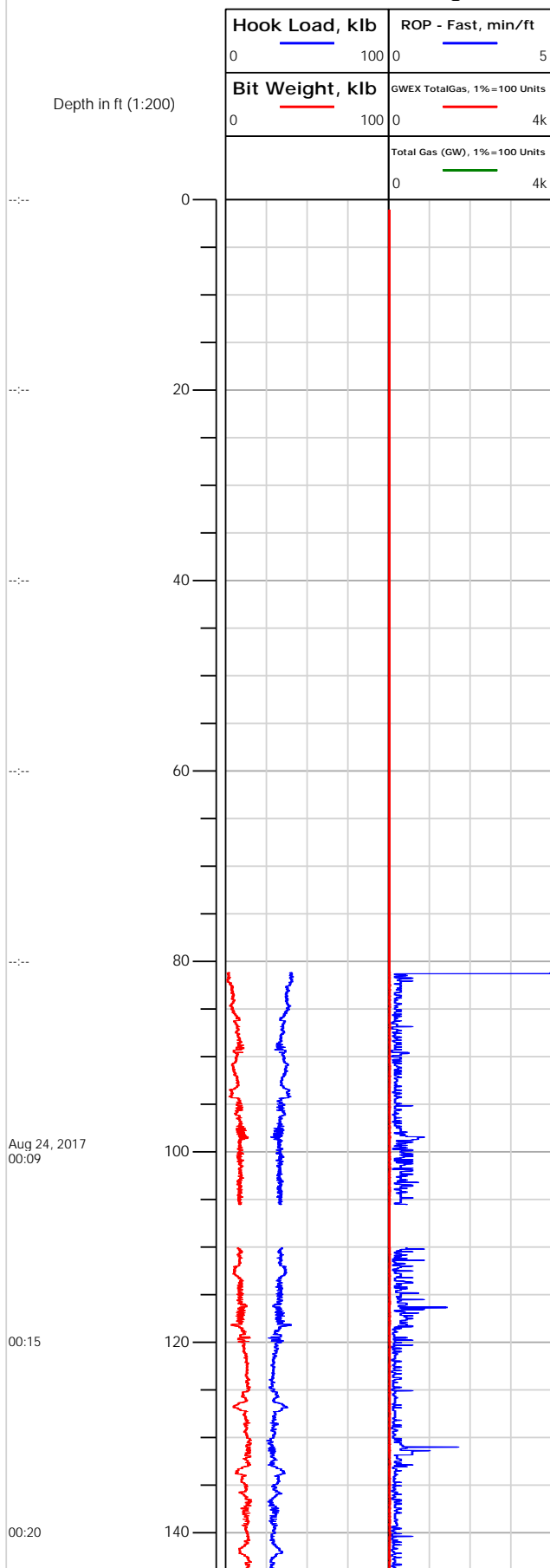


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4





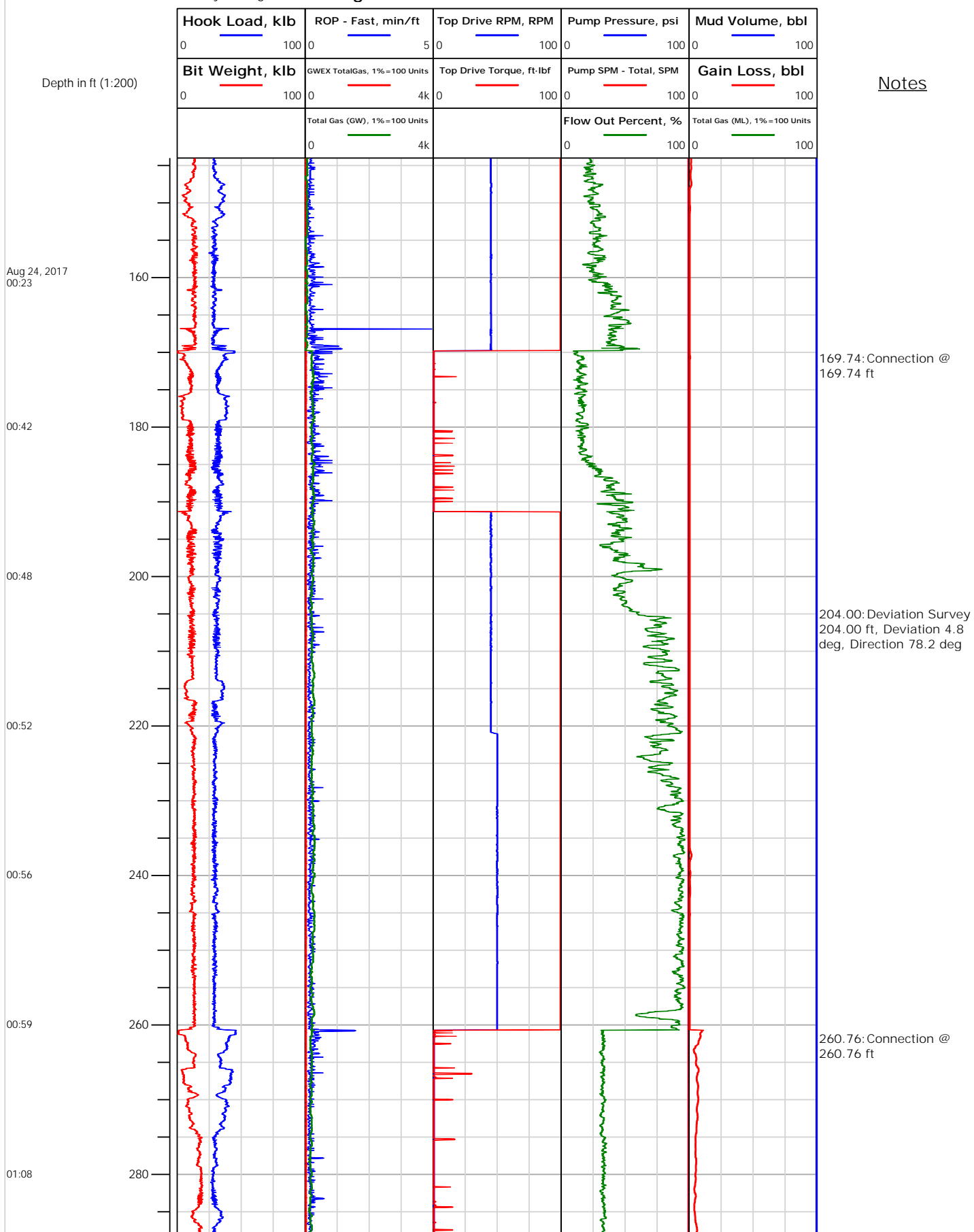
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes



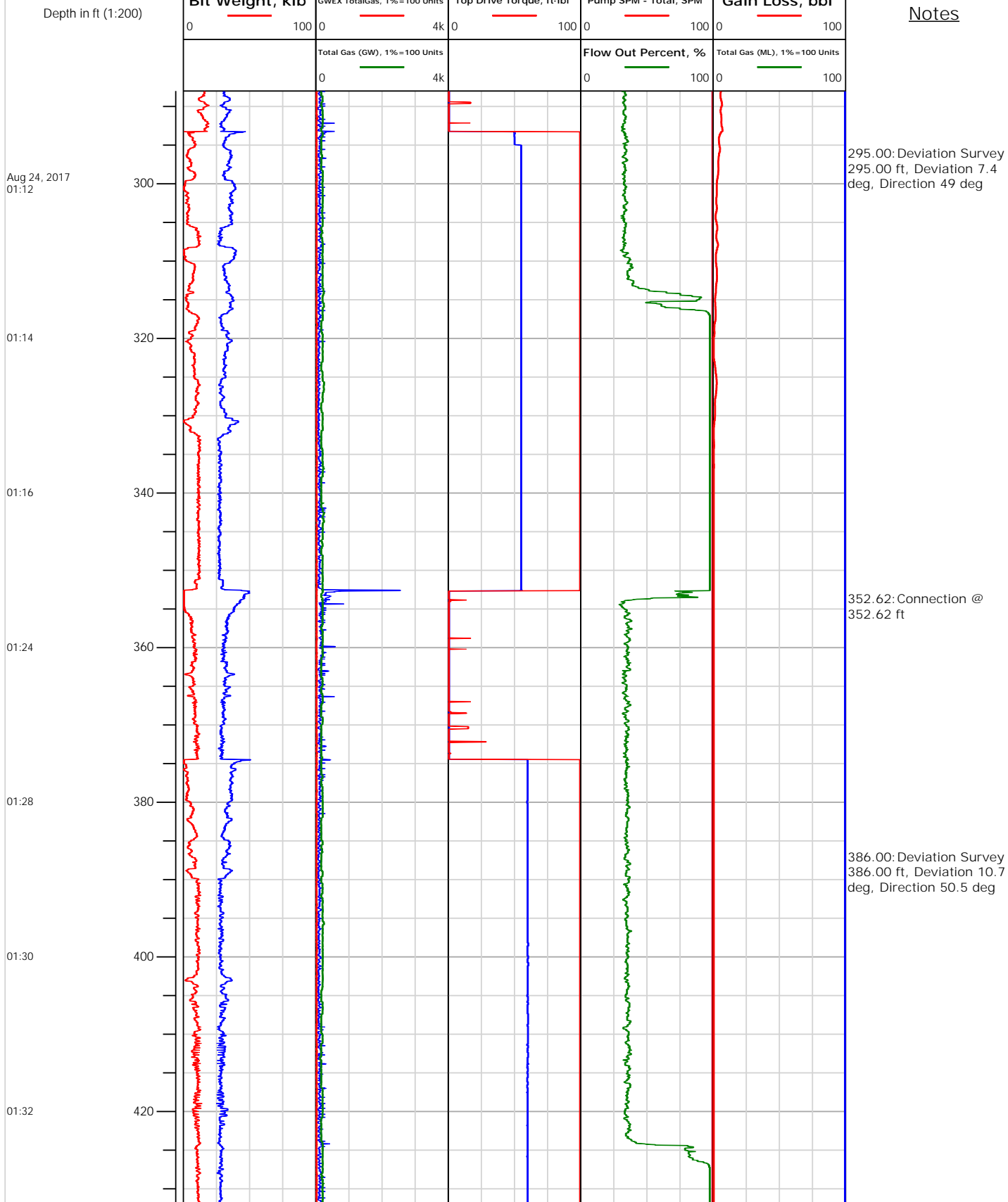


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4





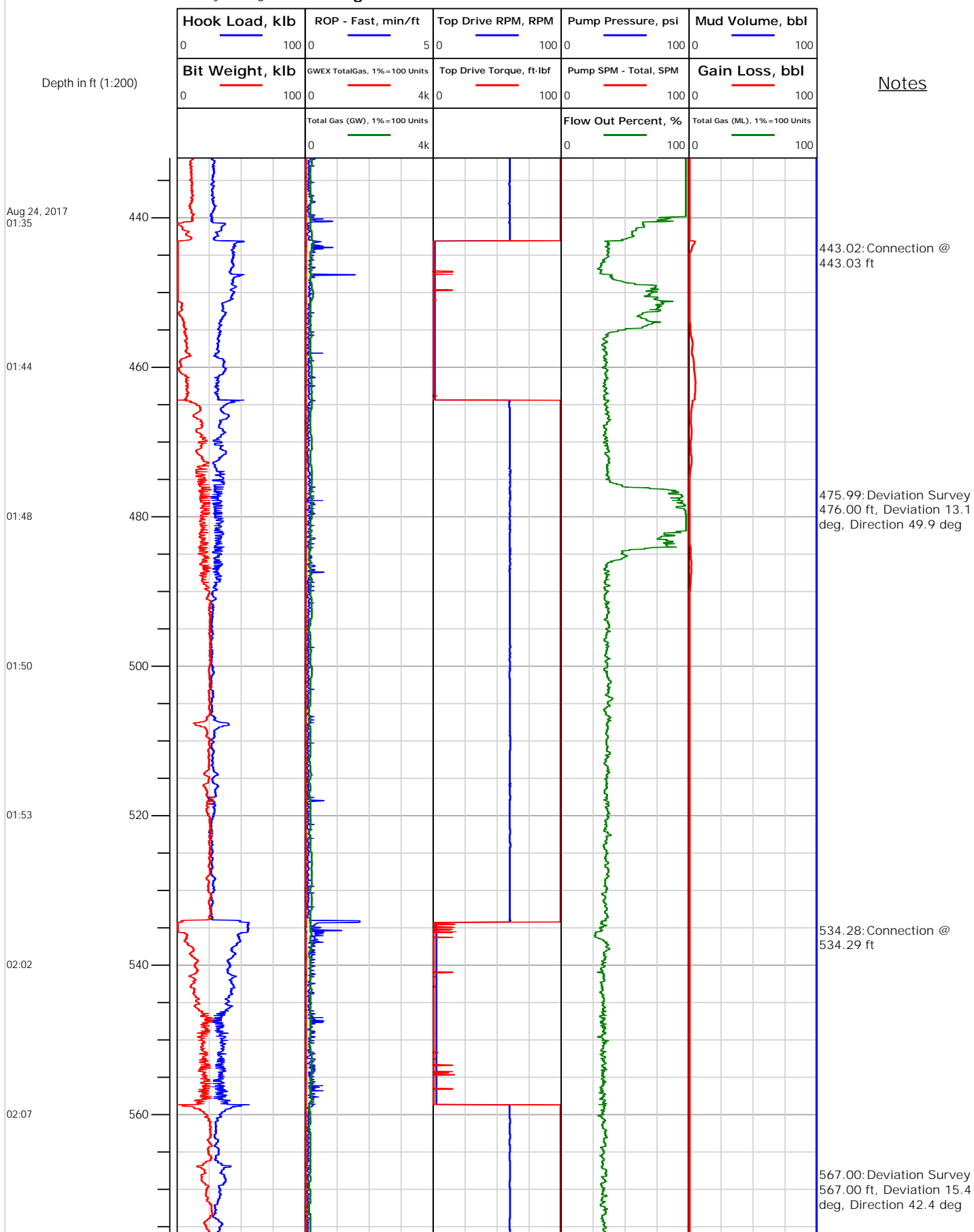
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





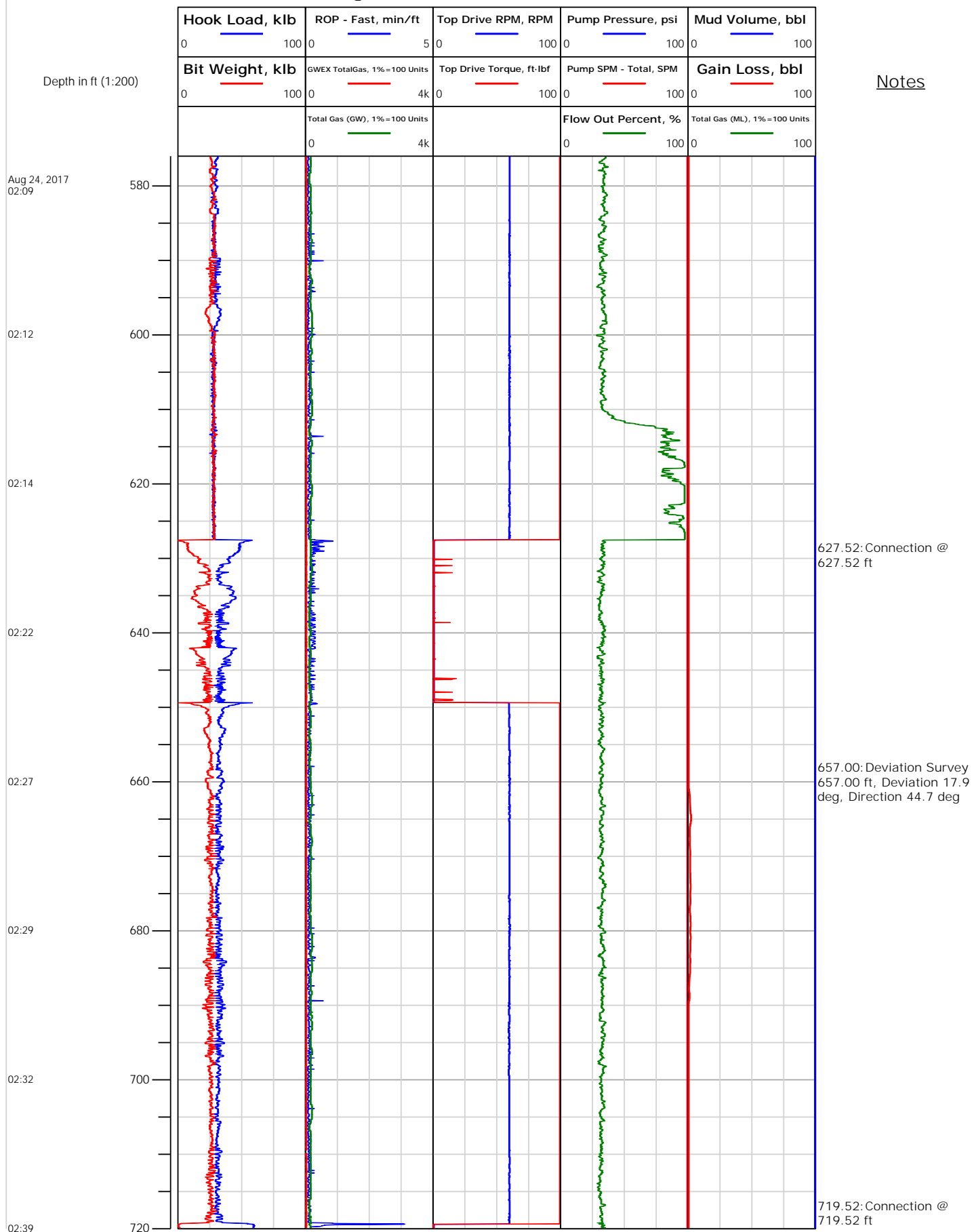
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





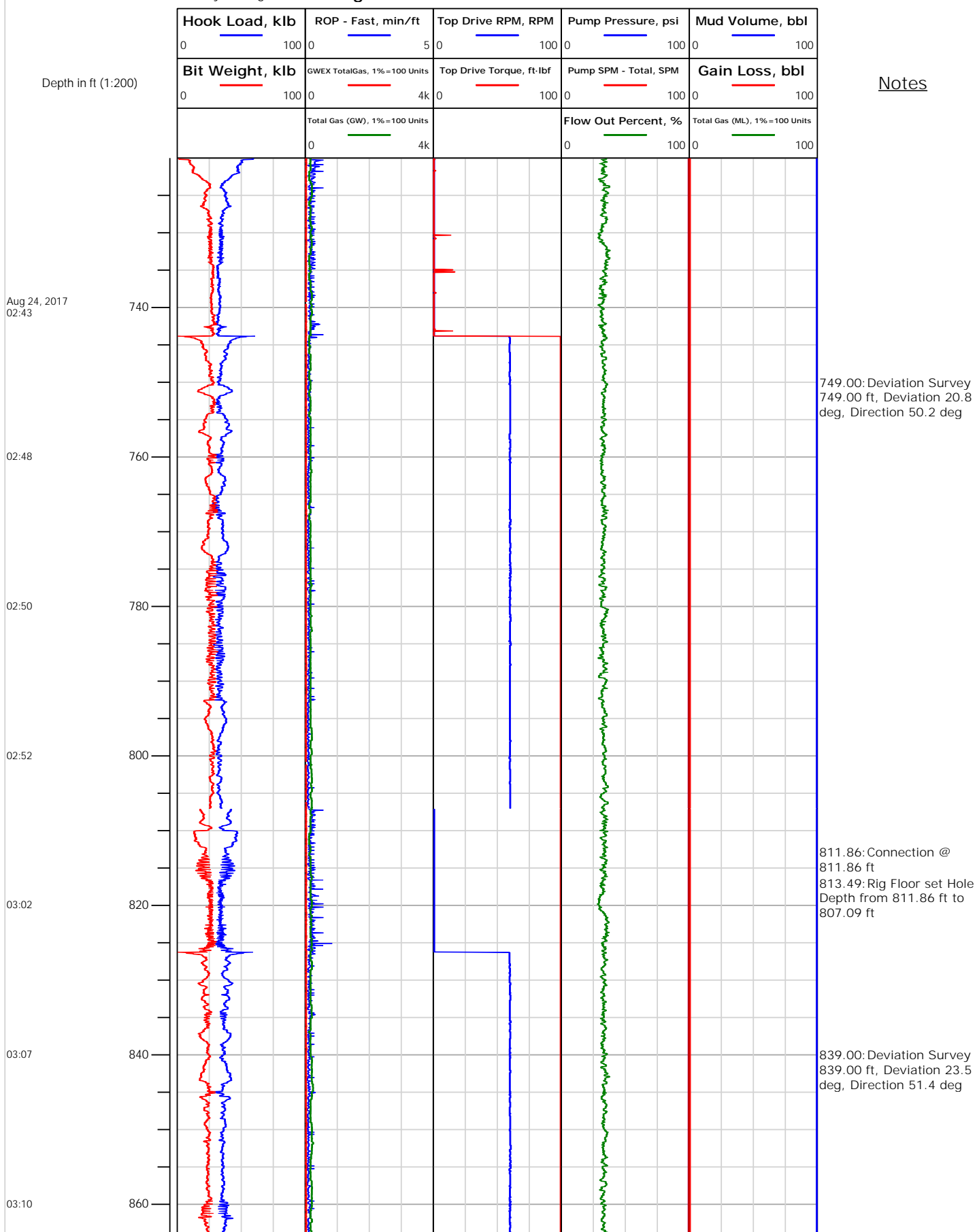
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





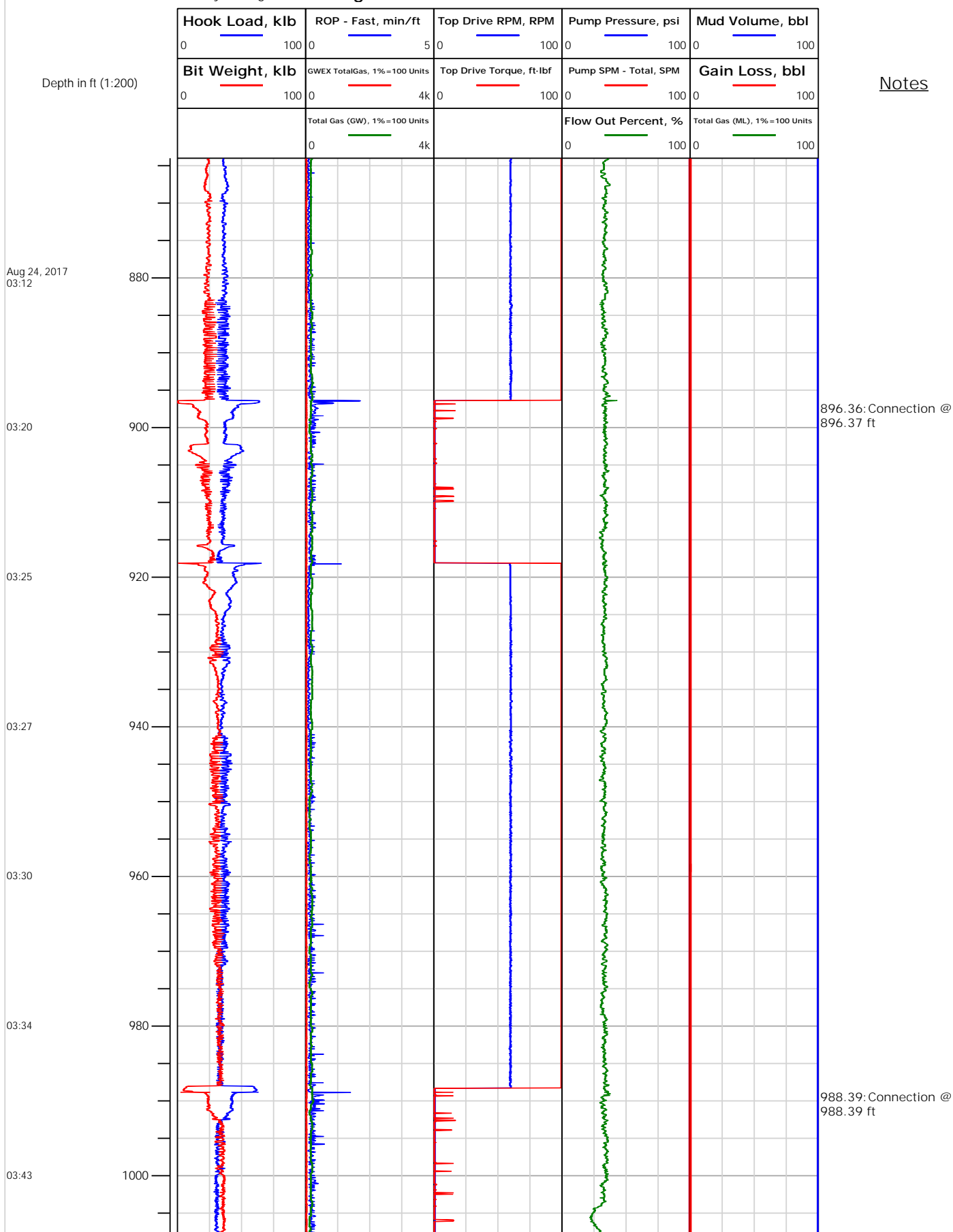
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





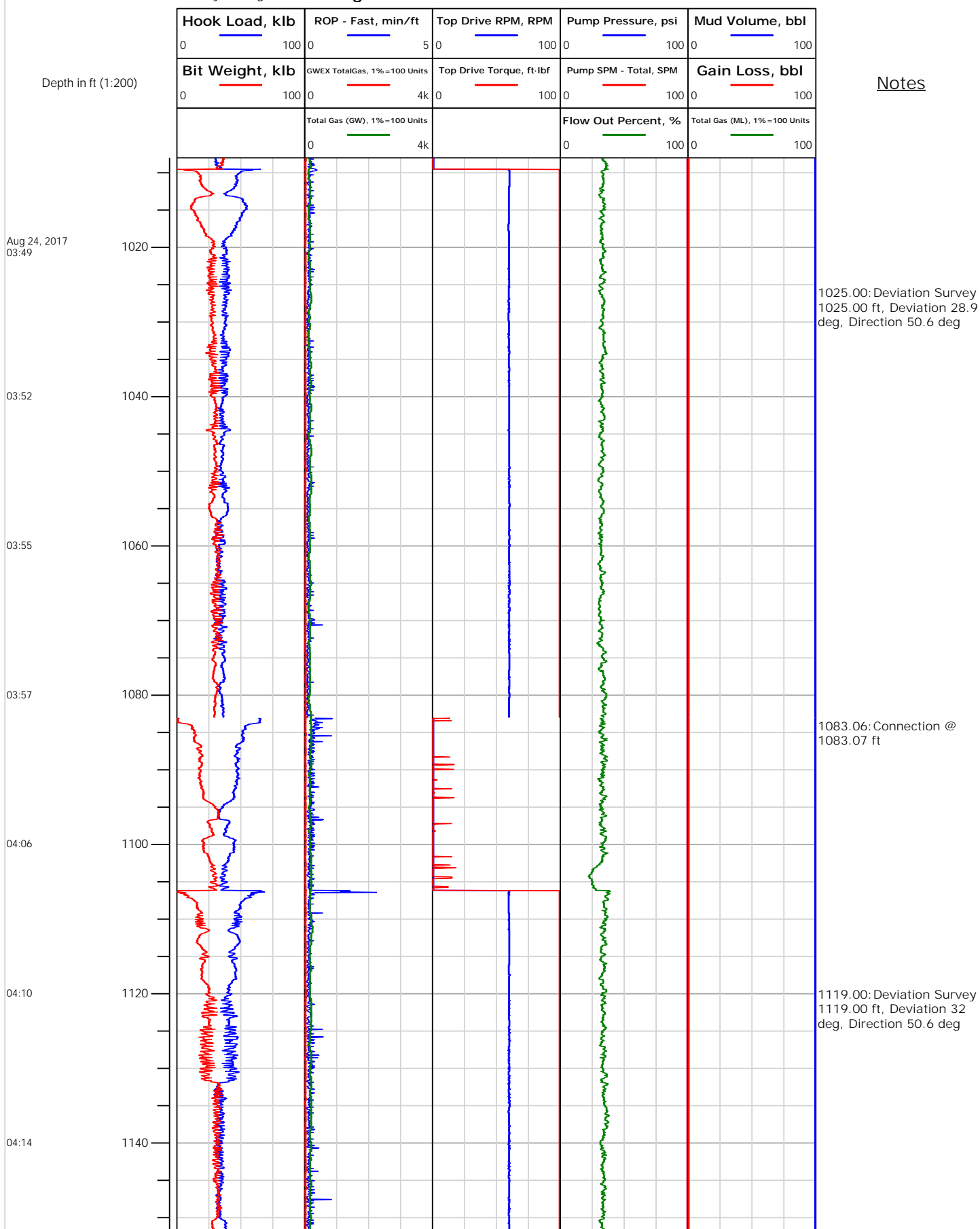
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





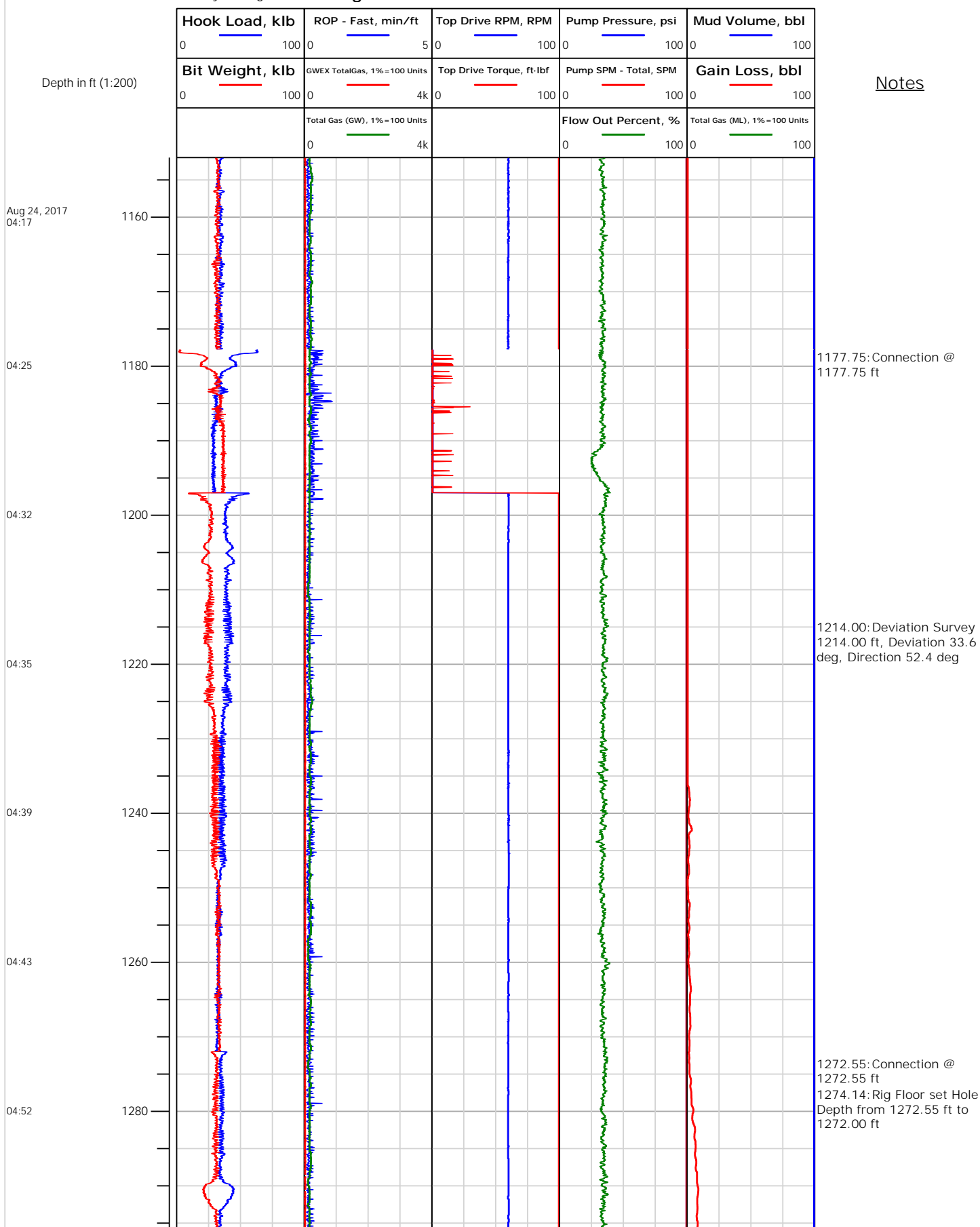
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





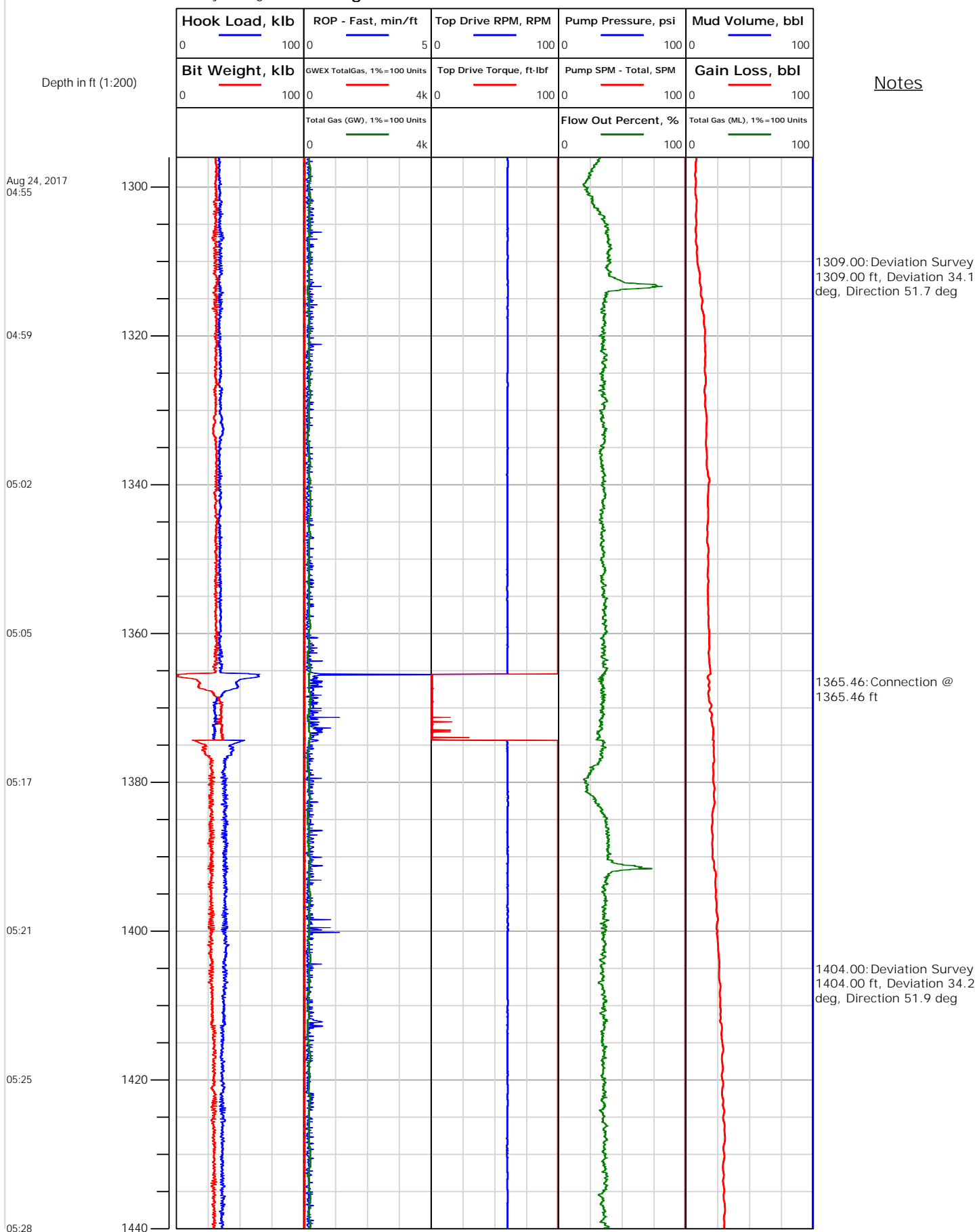
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





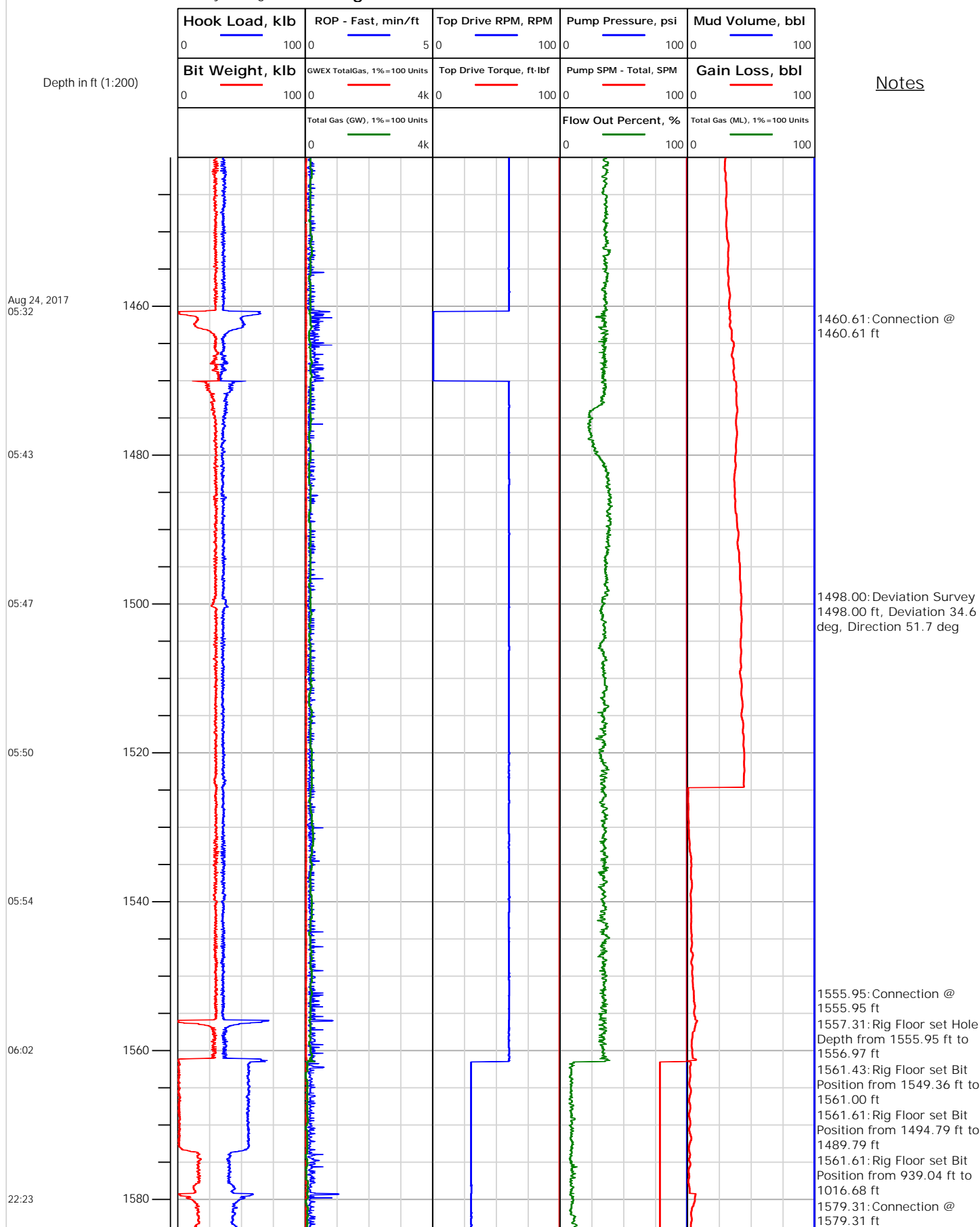
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





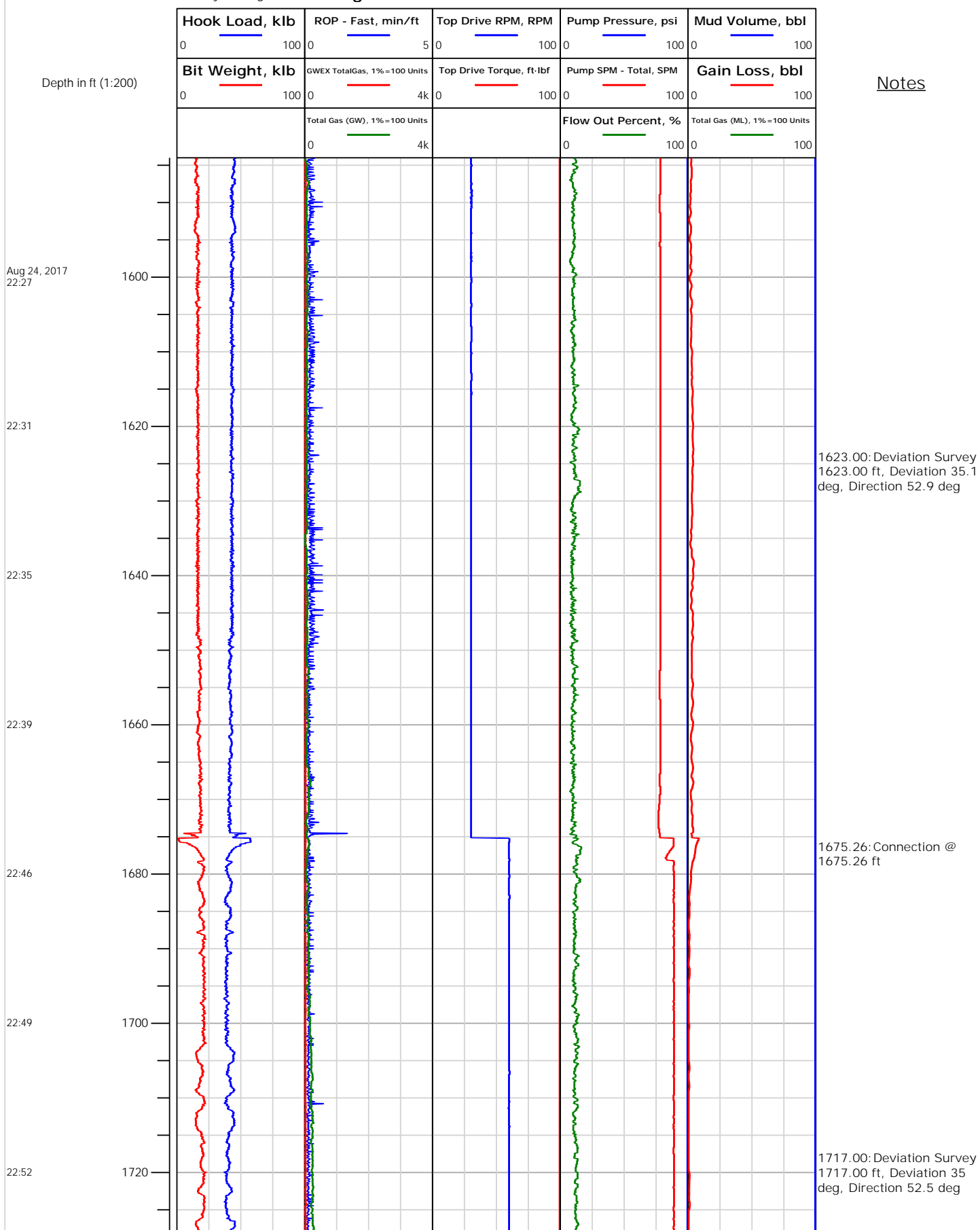
Electronic Drilling Recorder

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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





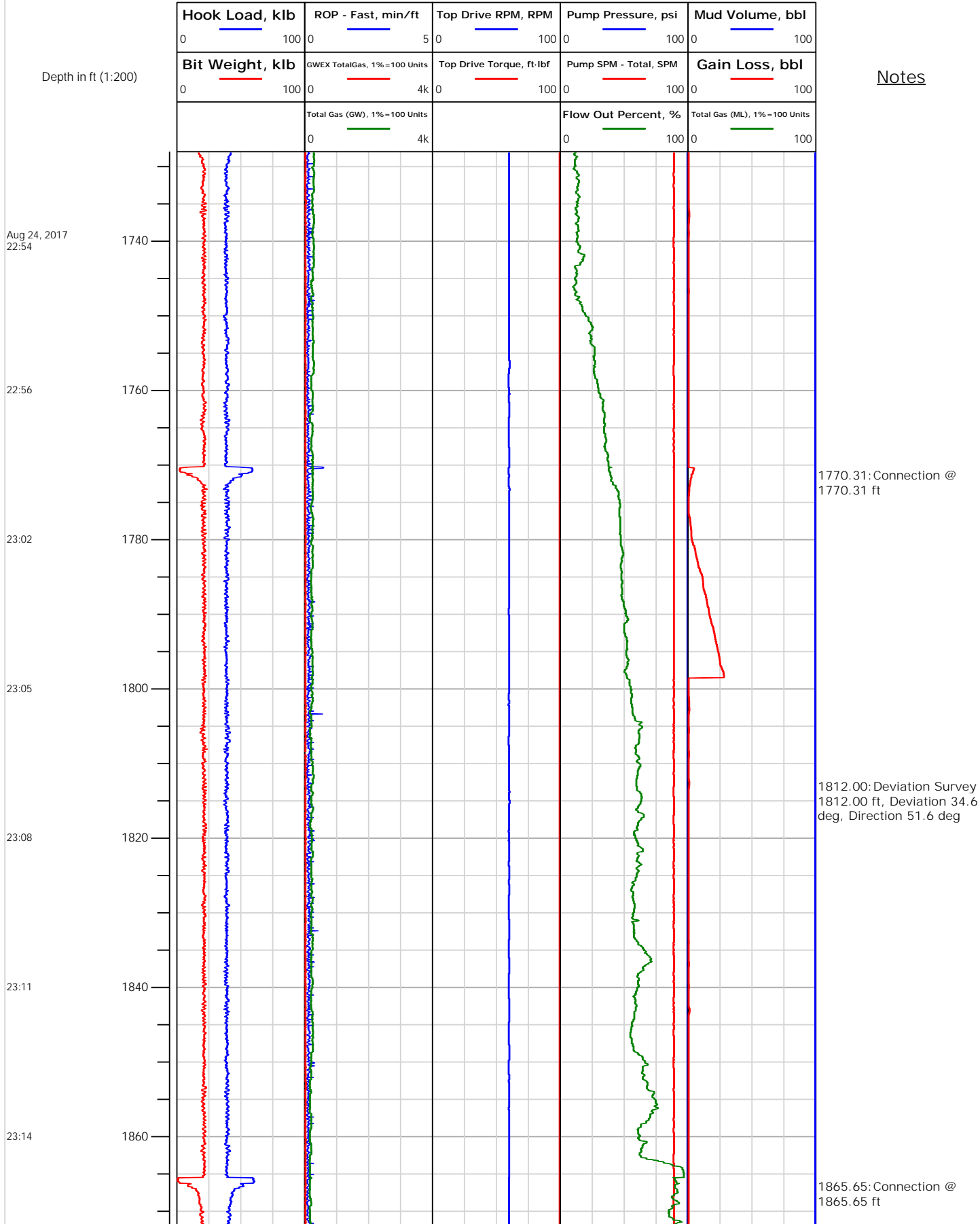
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





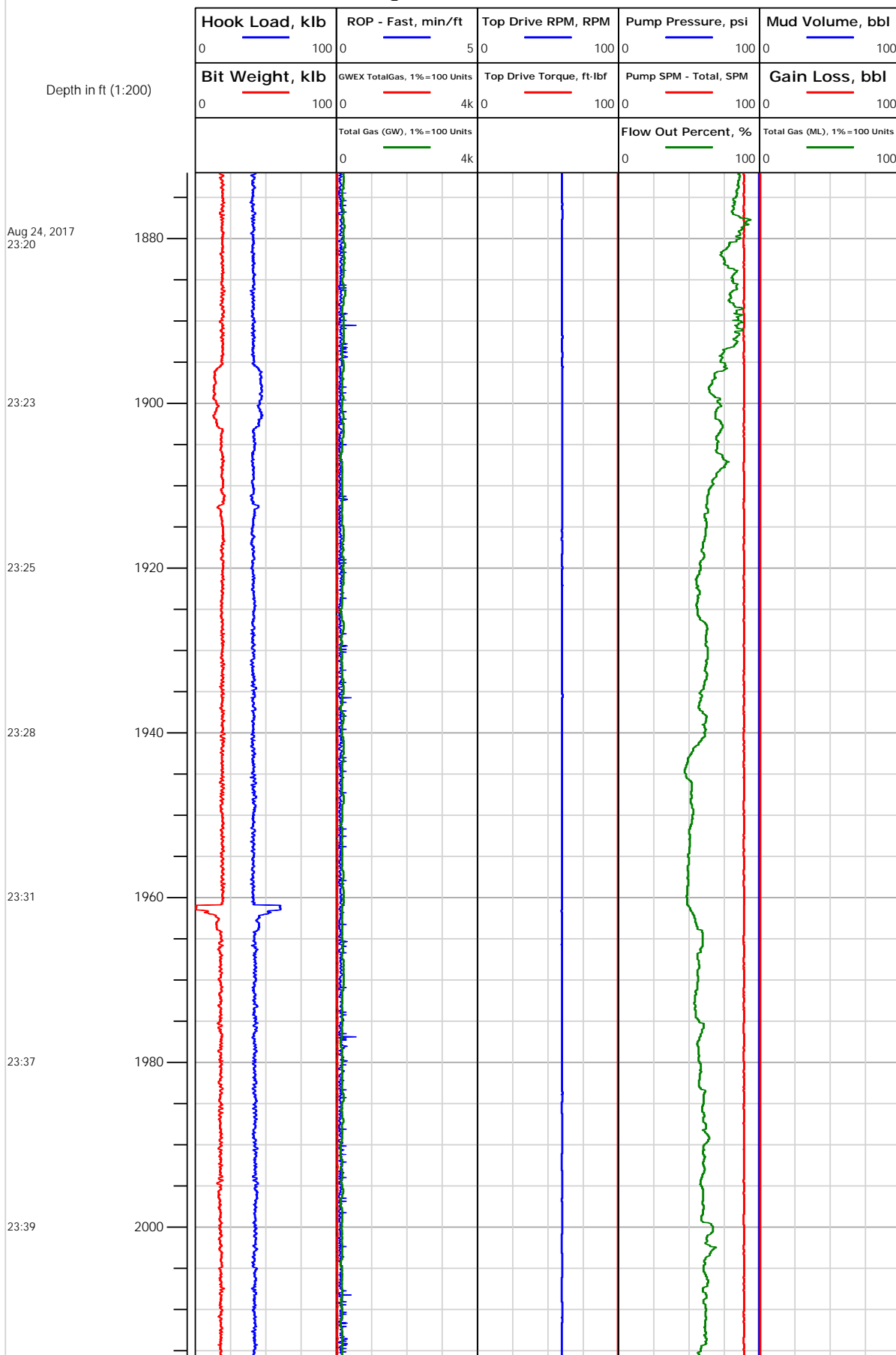
Electronic Drilling Recorder

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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





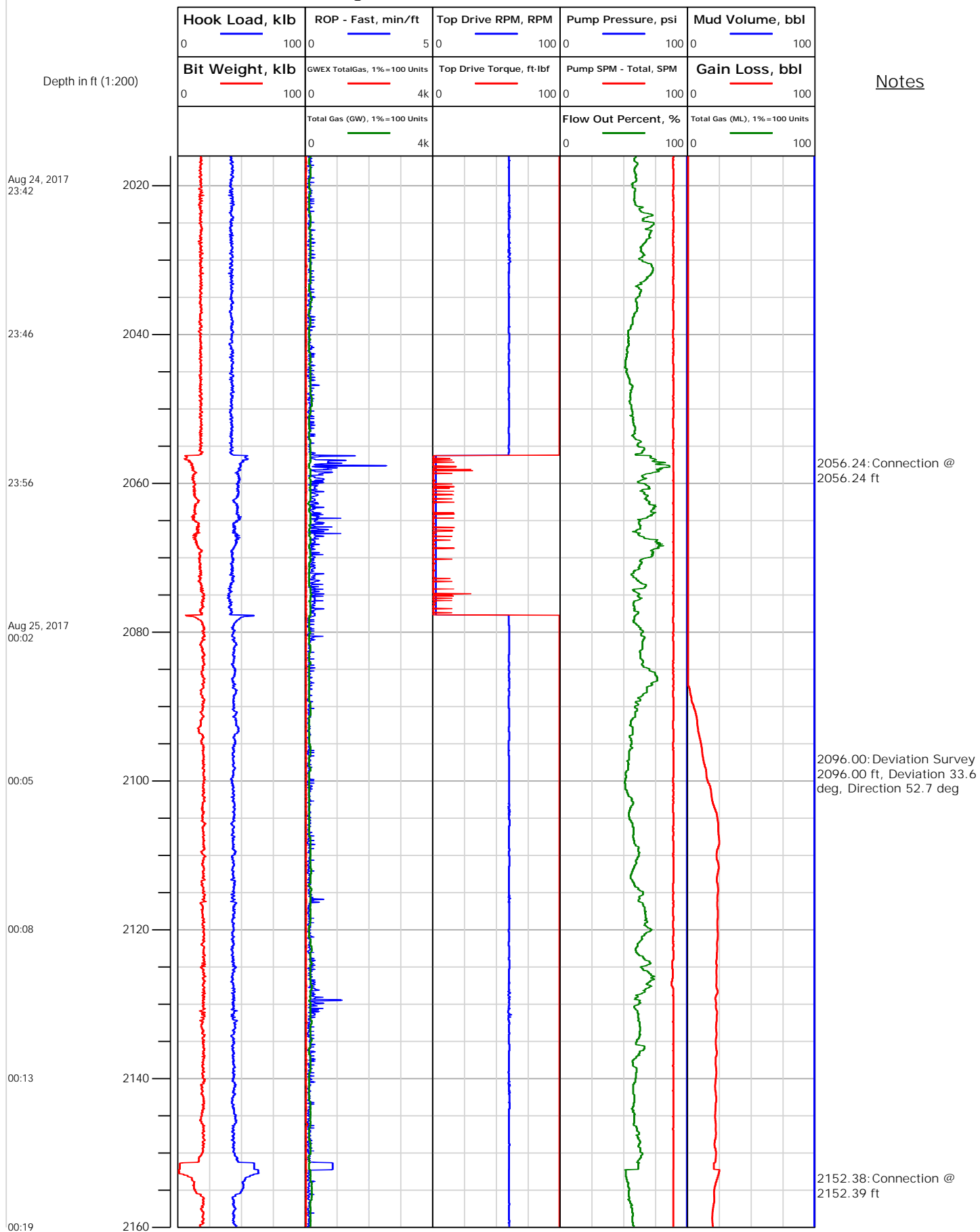
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





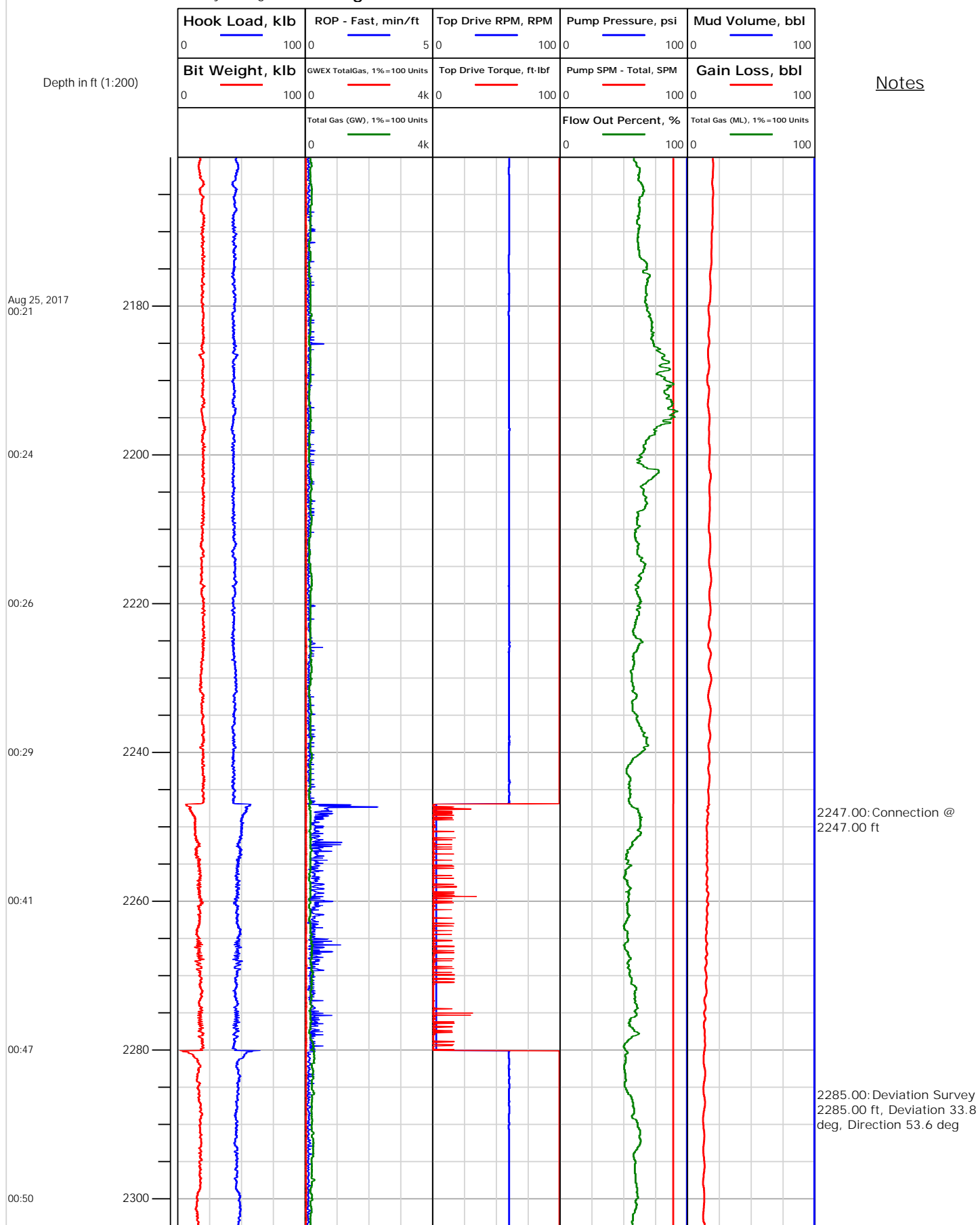
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





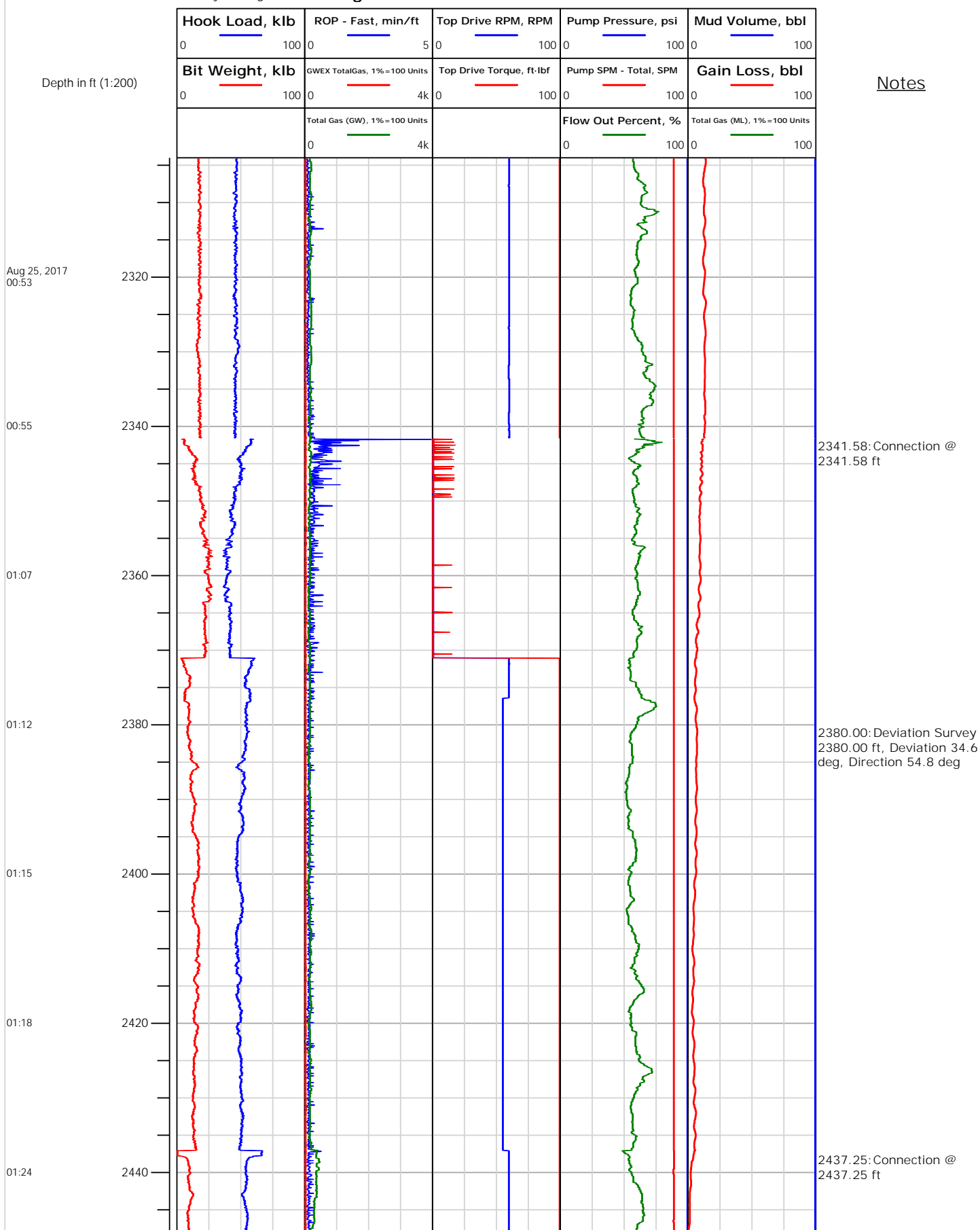
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





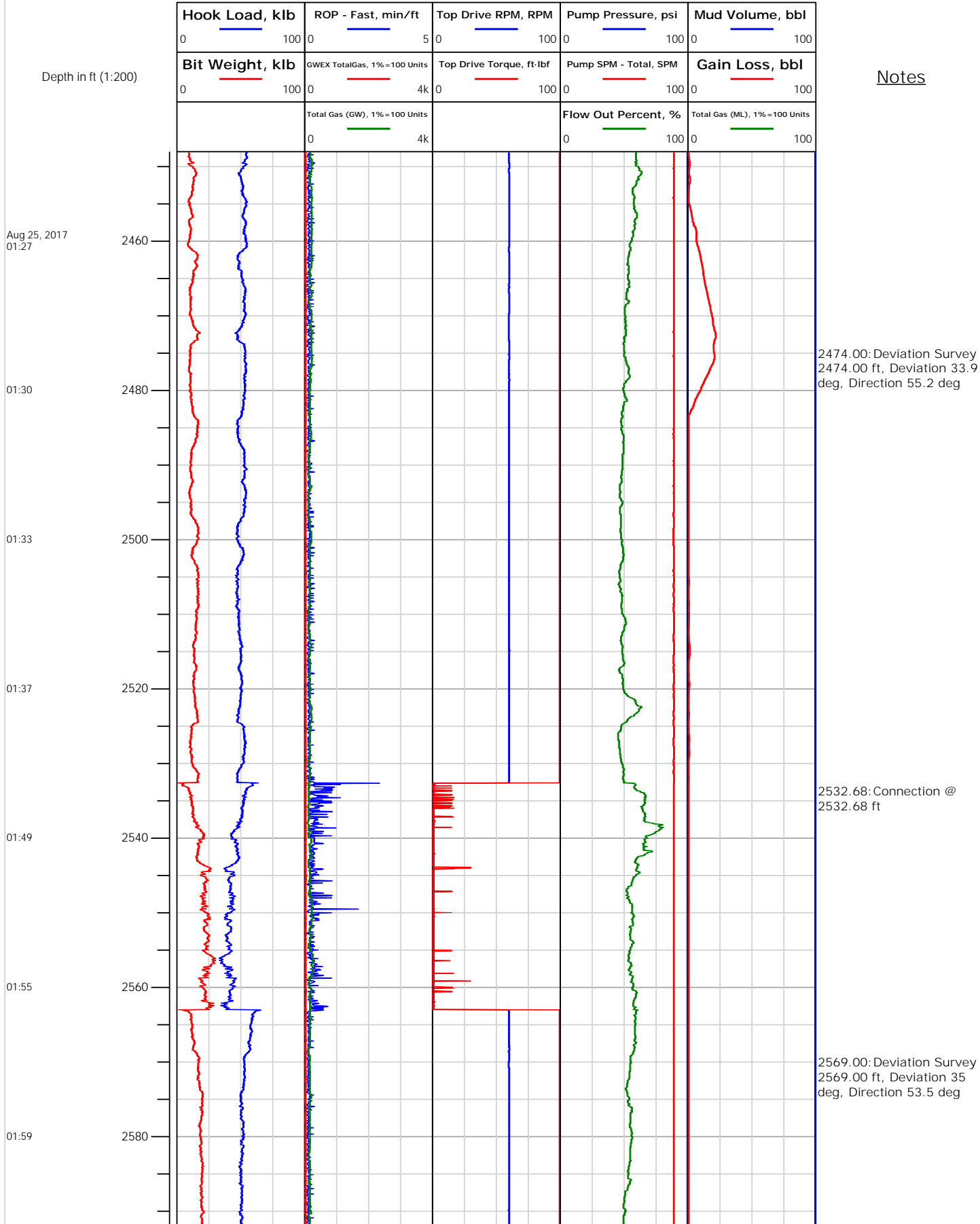
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





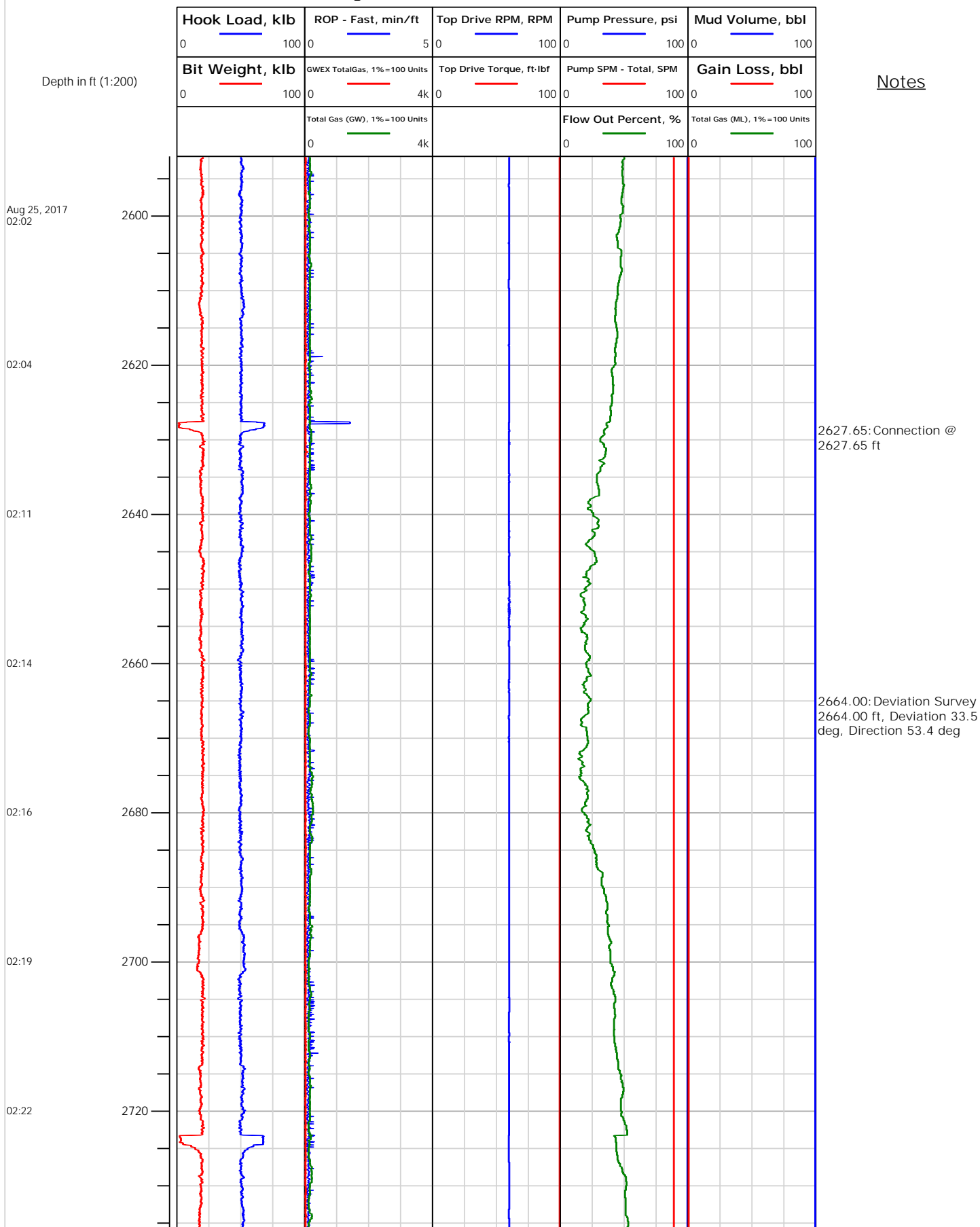
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





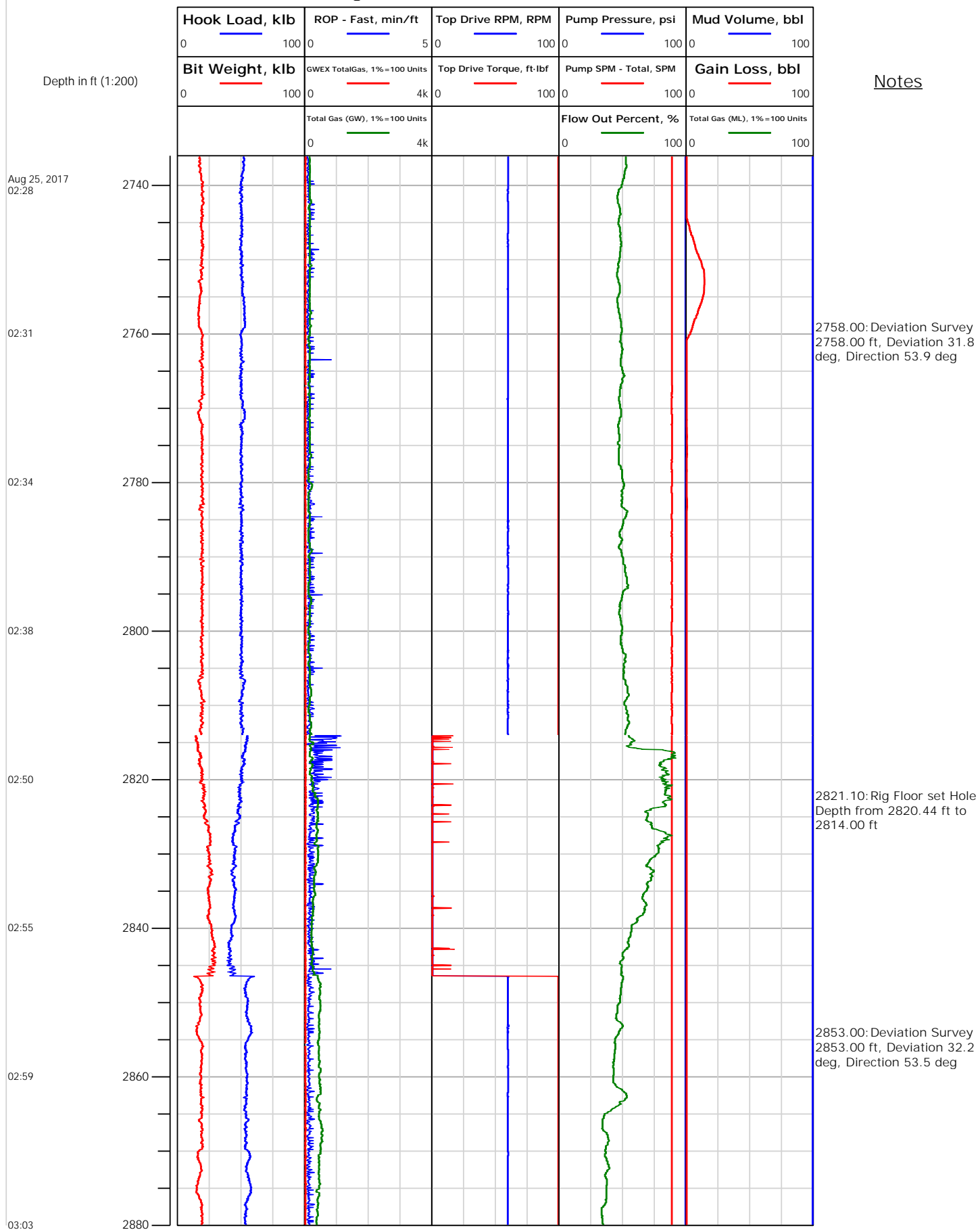
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





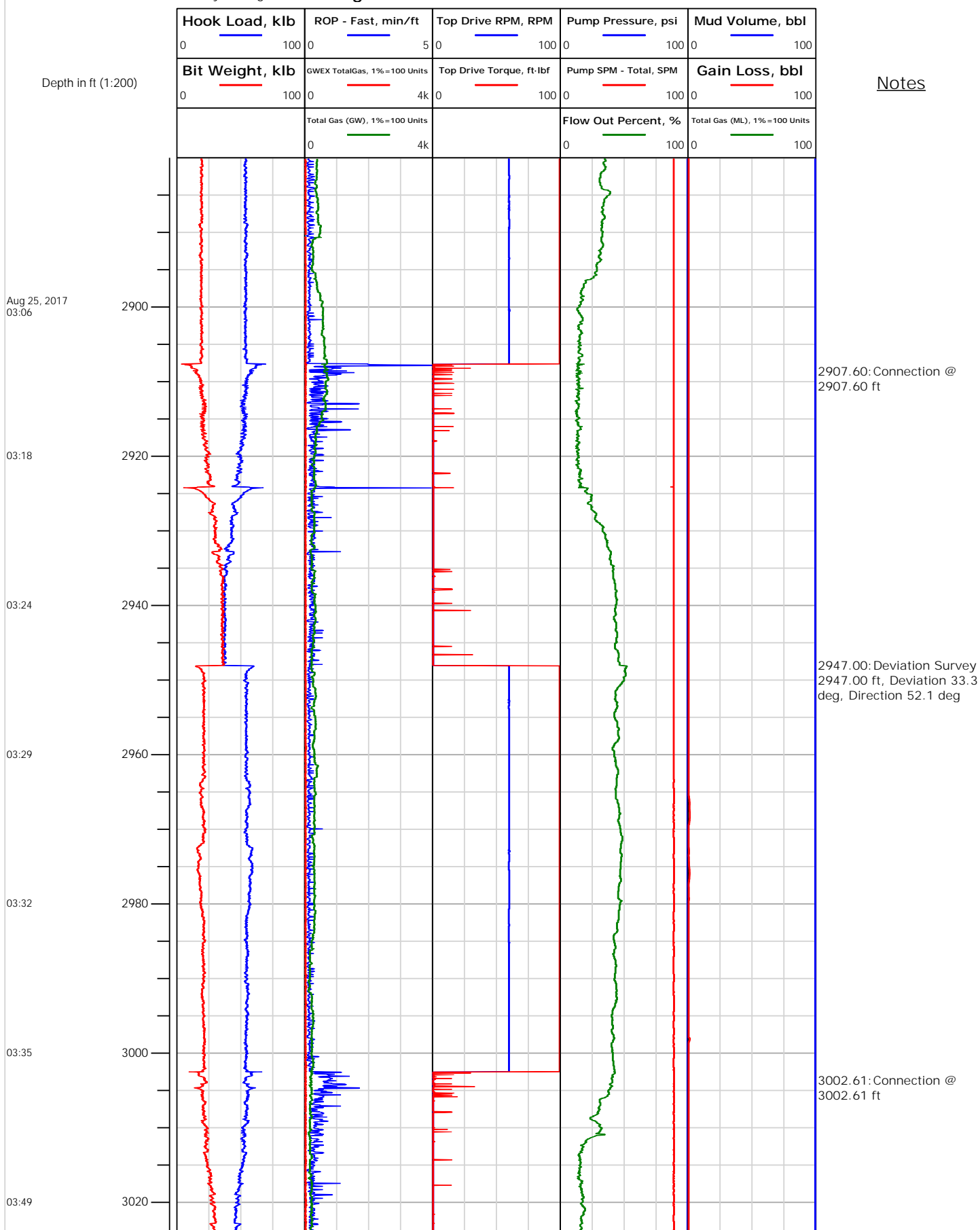
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





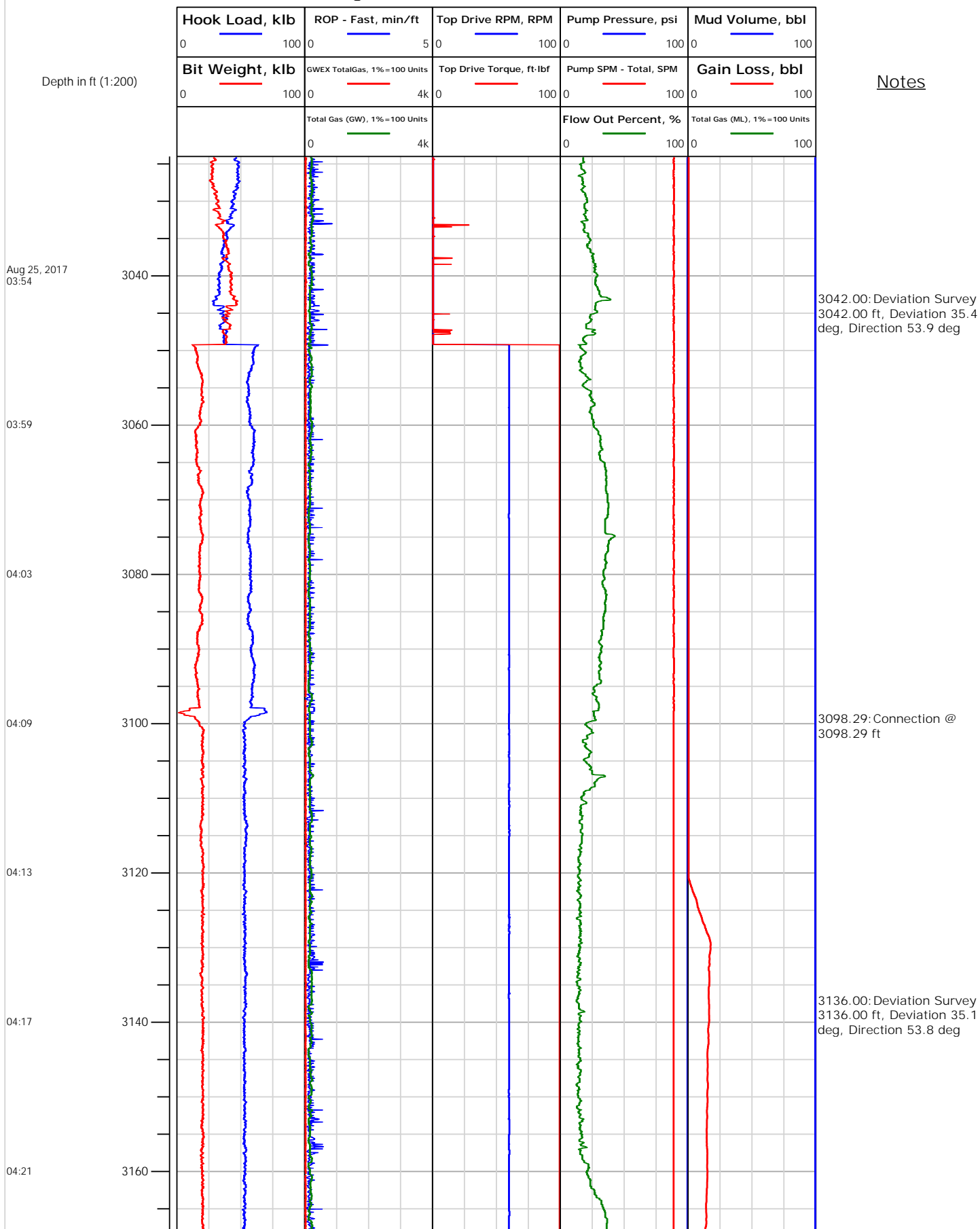
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





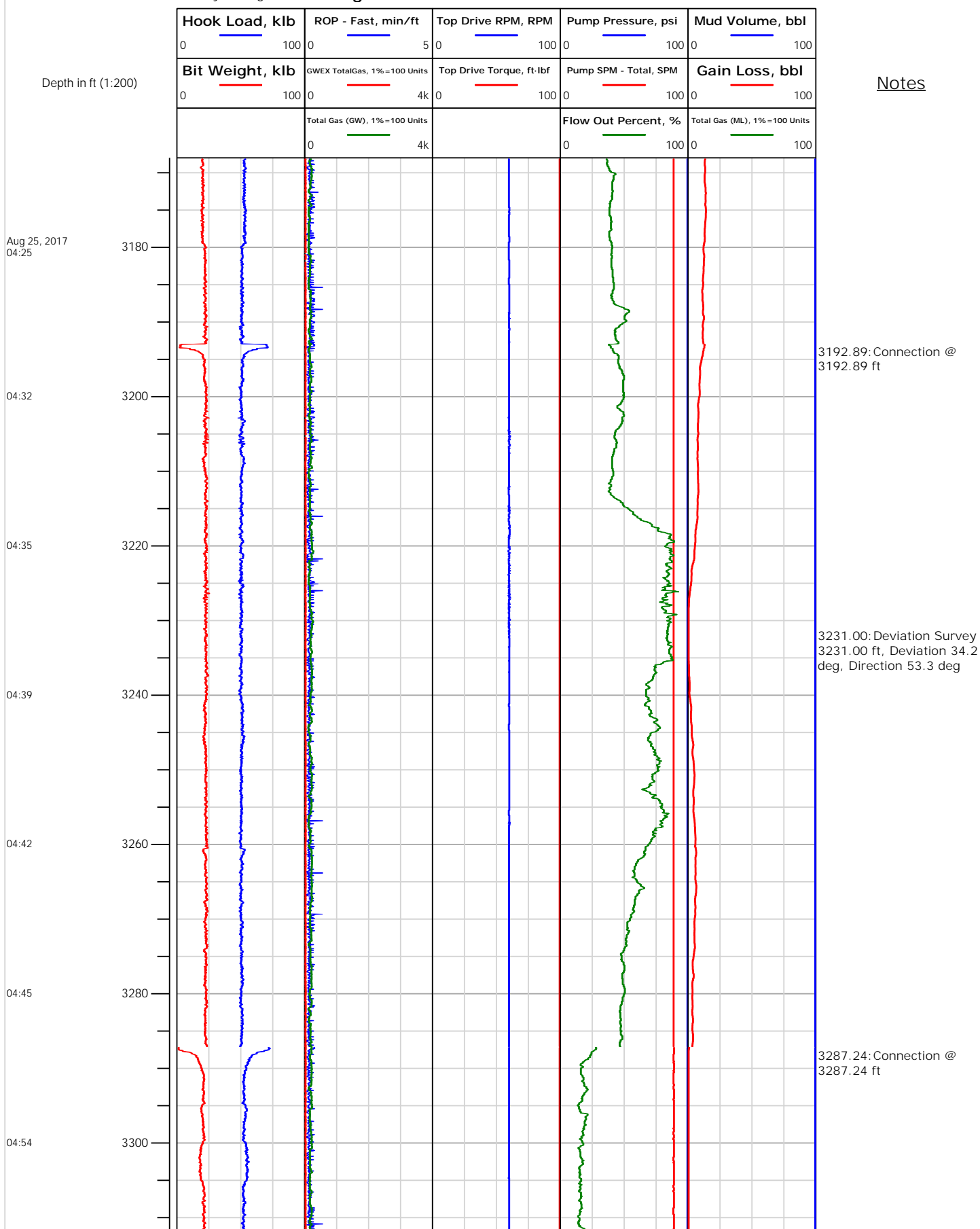
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





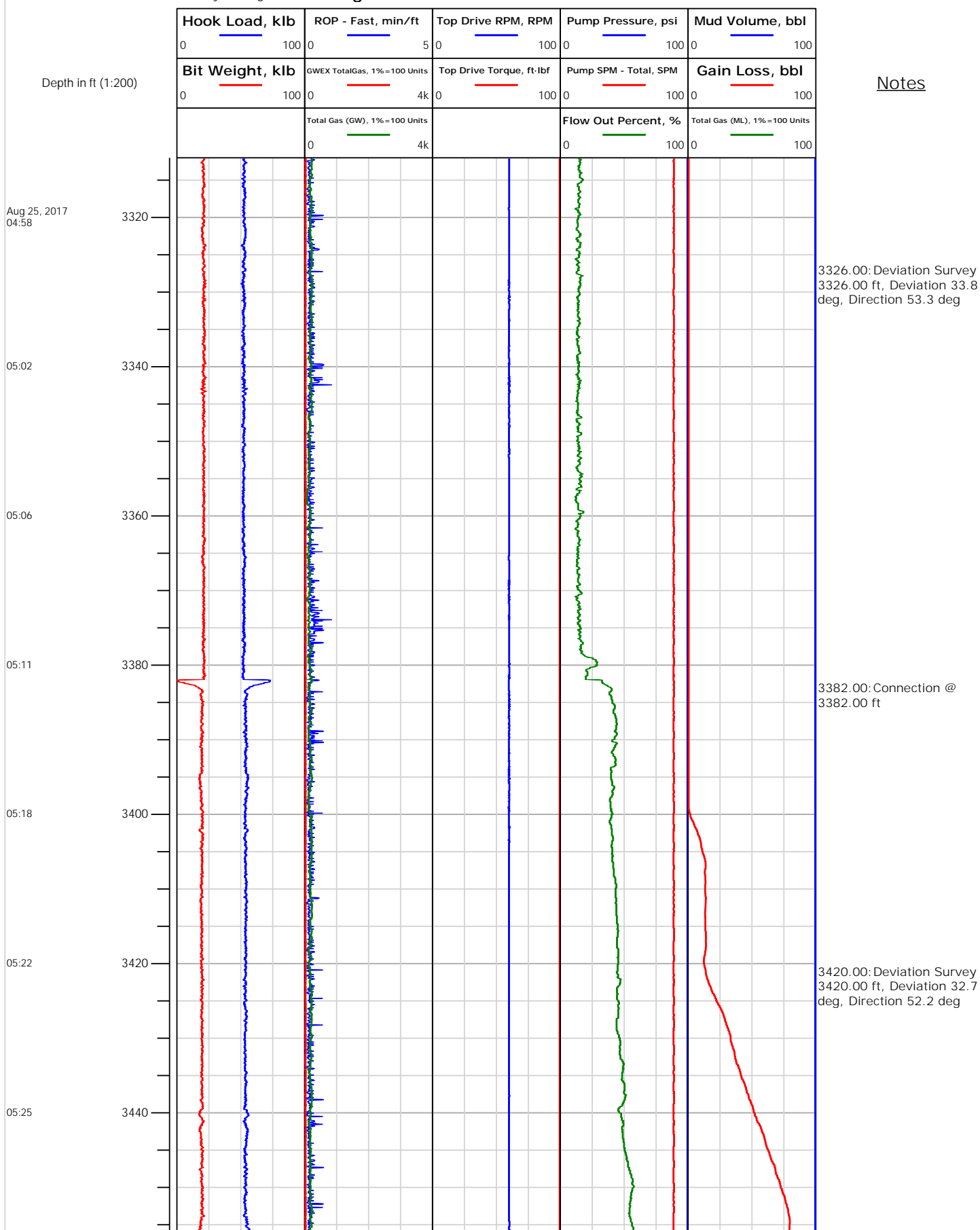
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





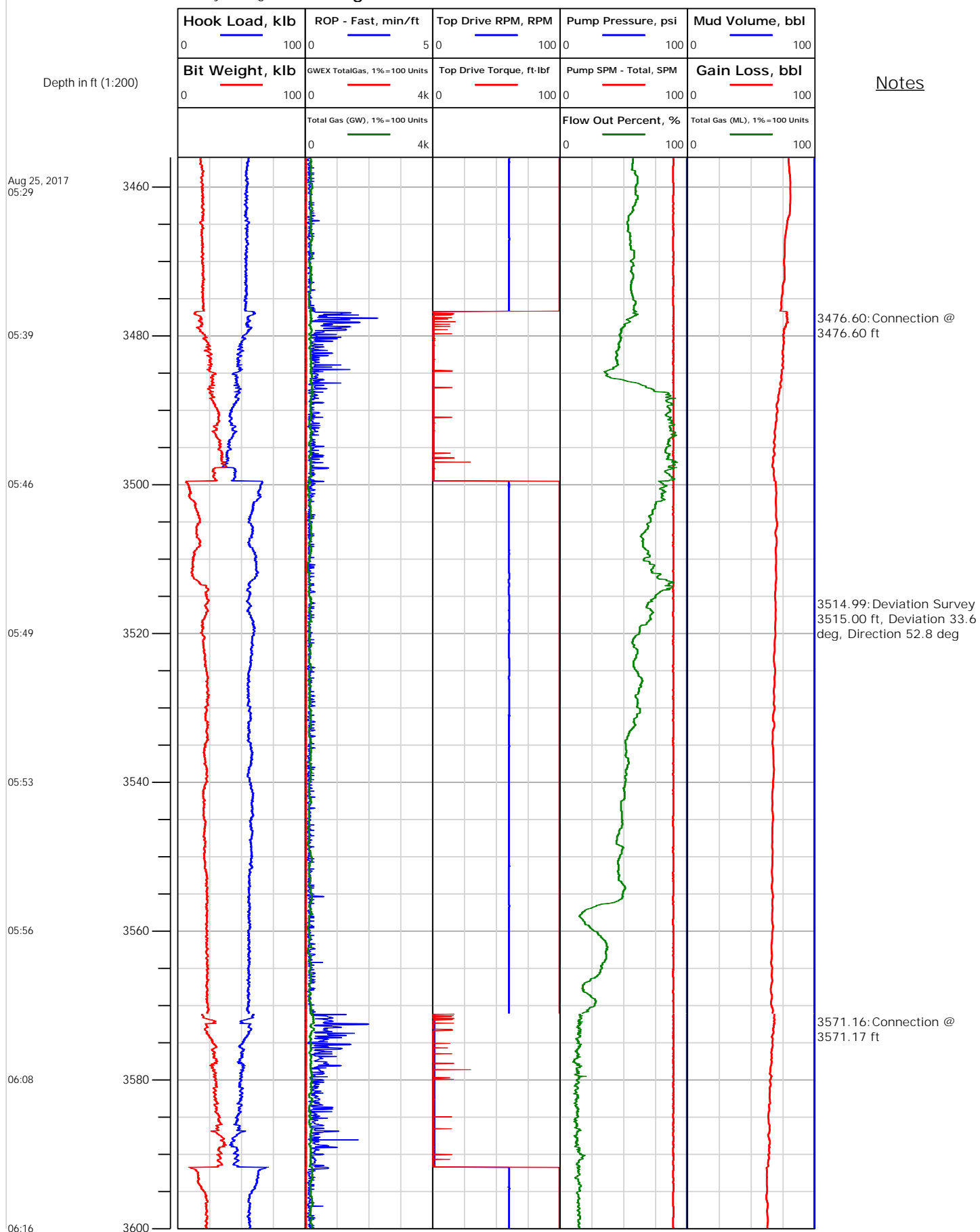
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





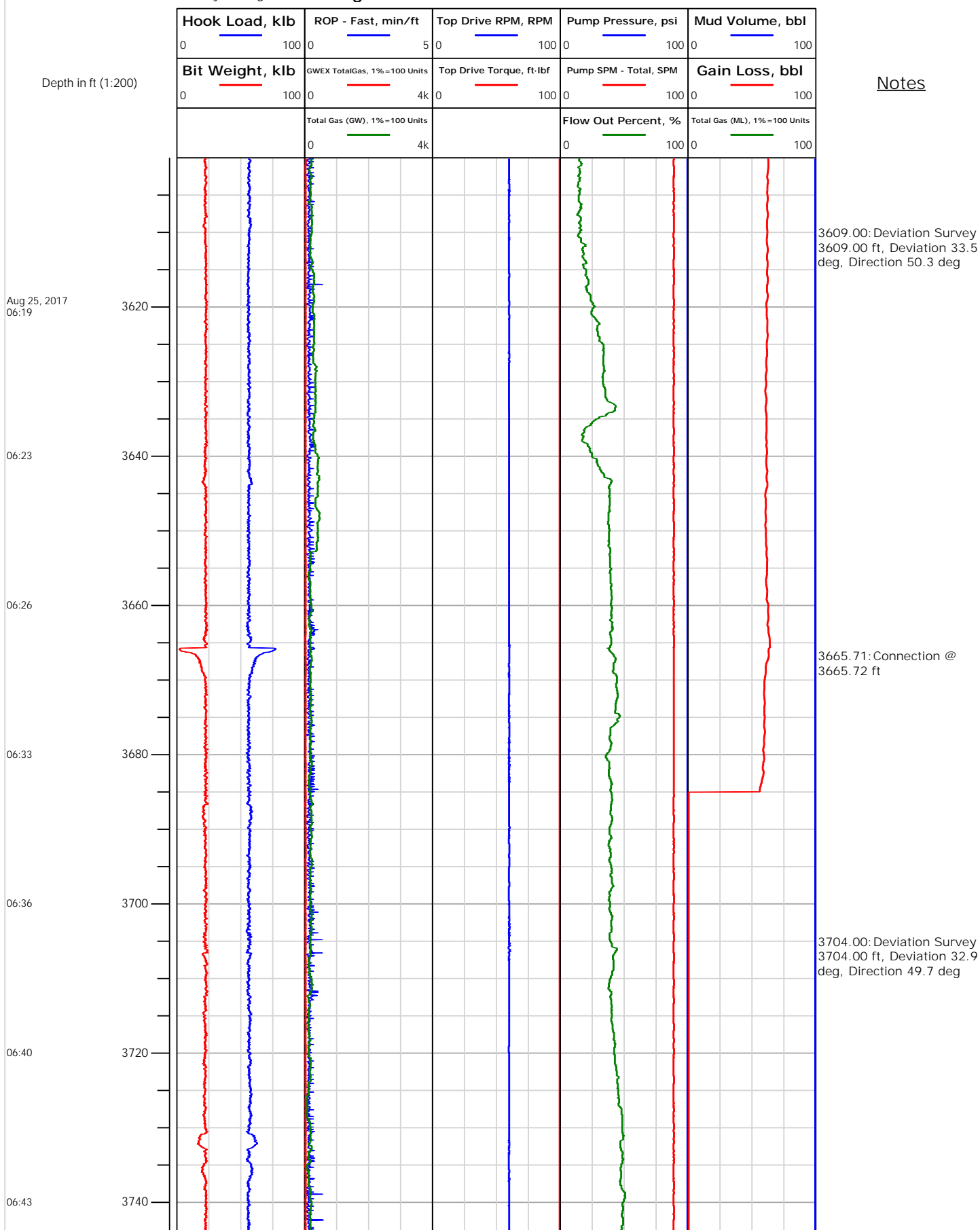
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





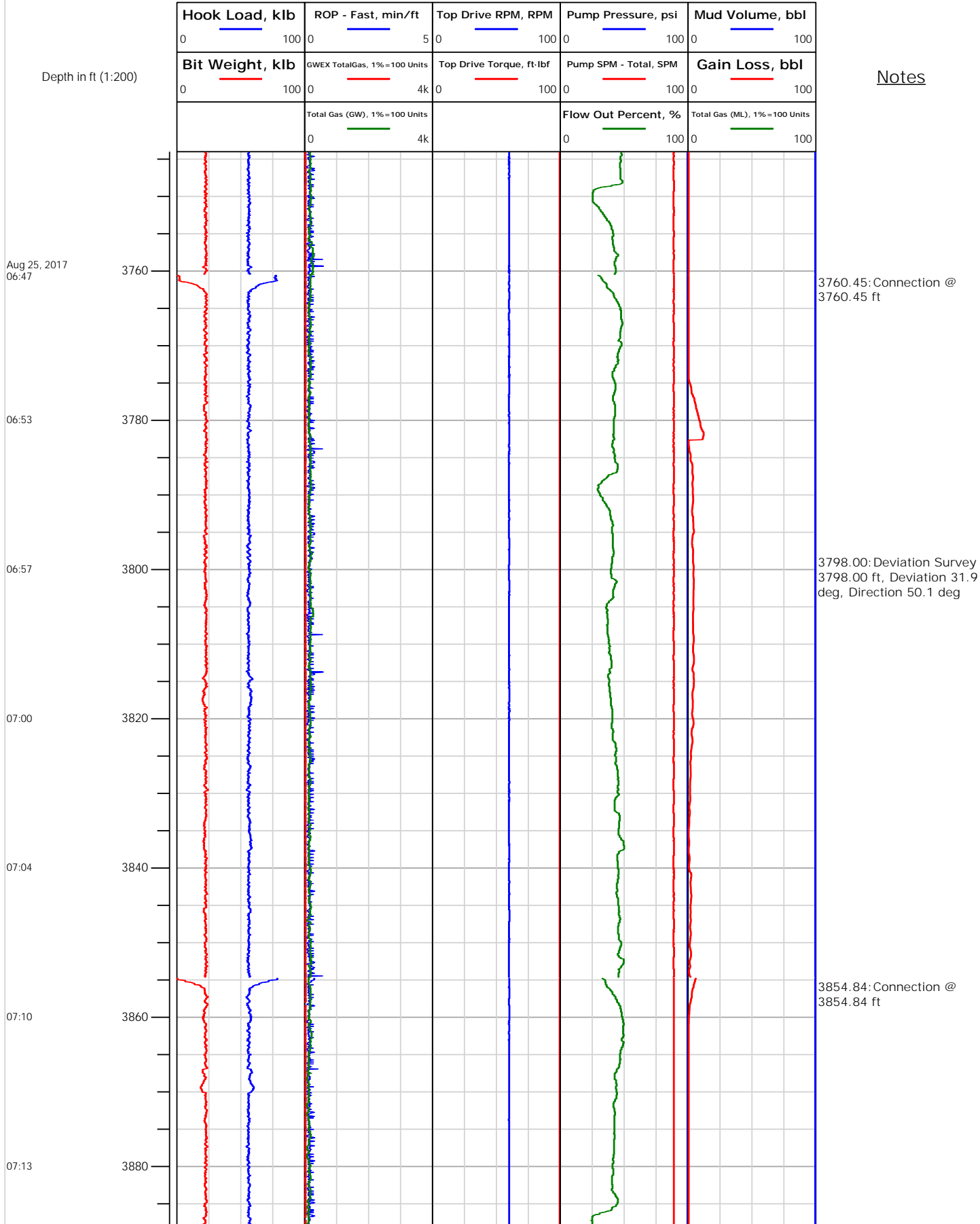
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





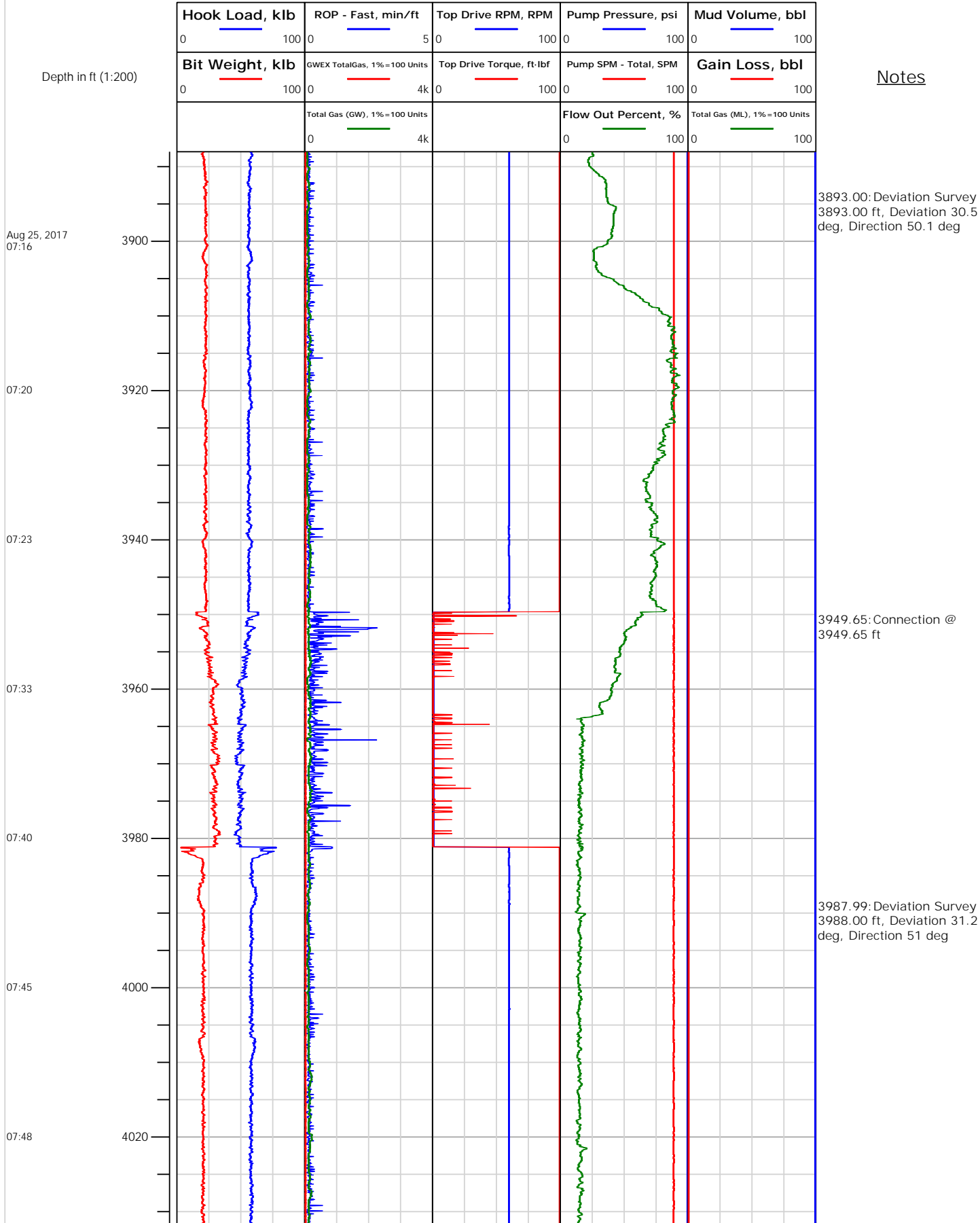
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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





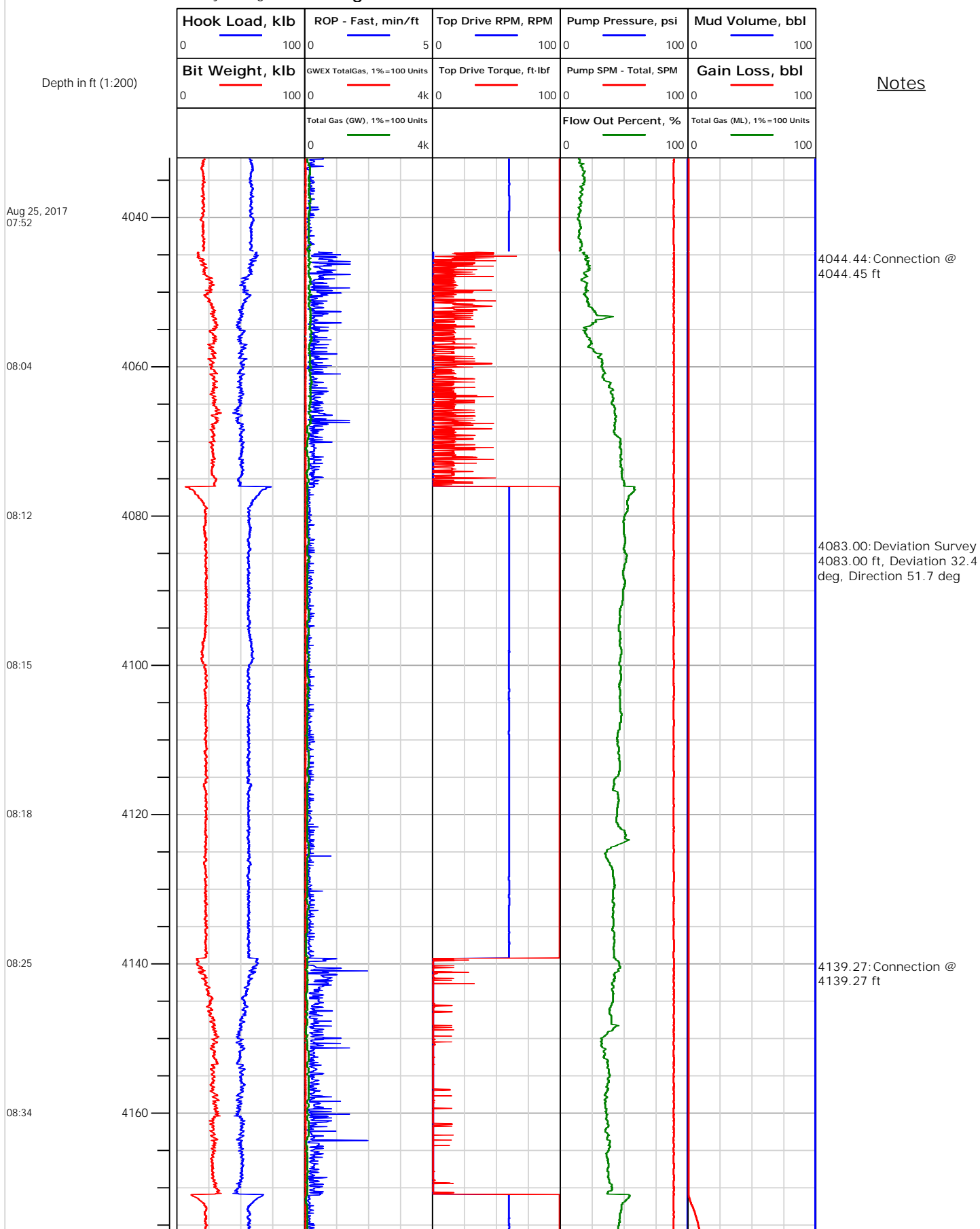
Electronic Drilling Recorder

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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes



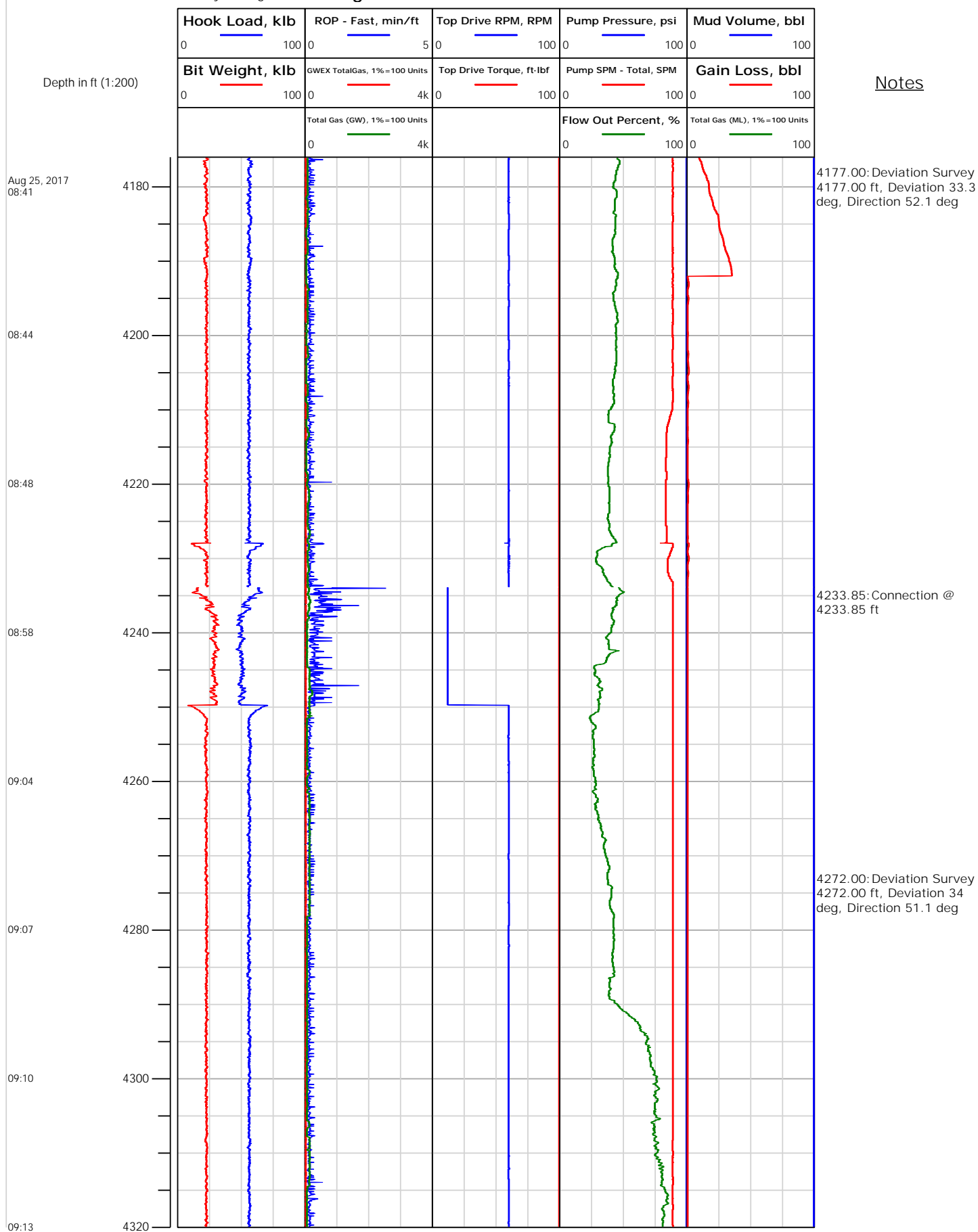


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4





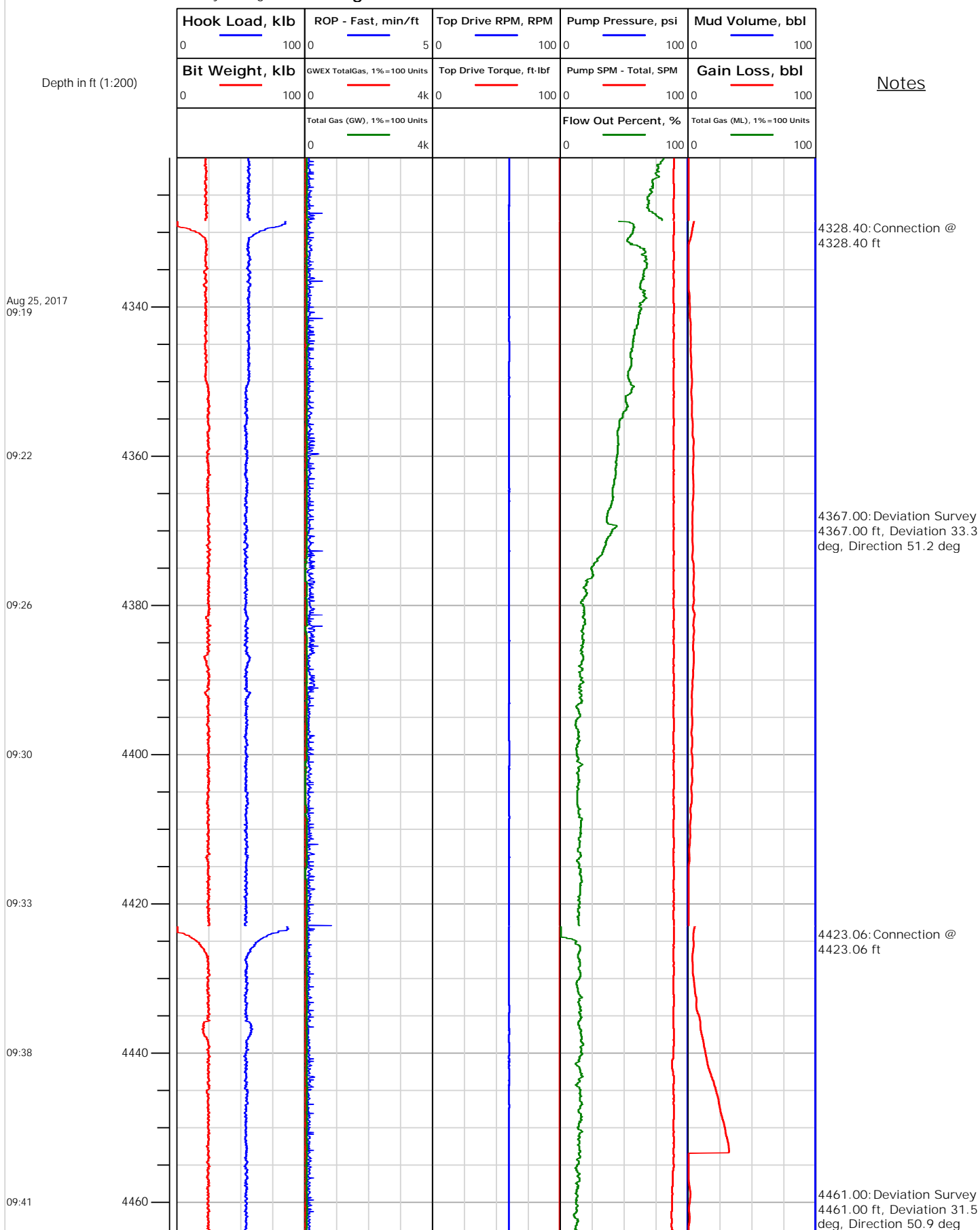
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





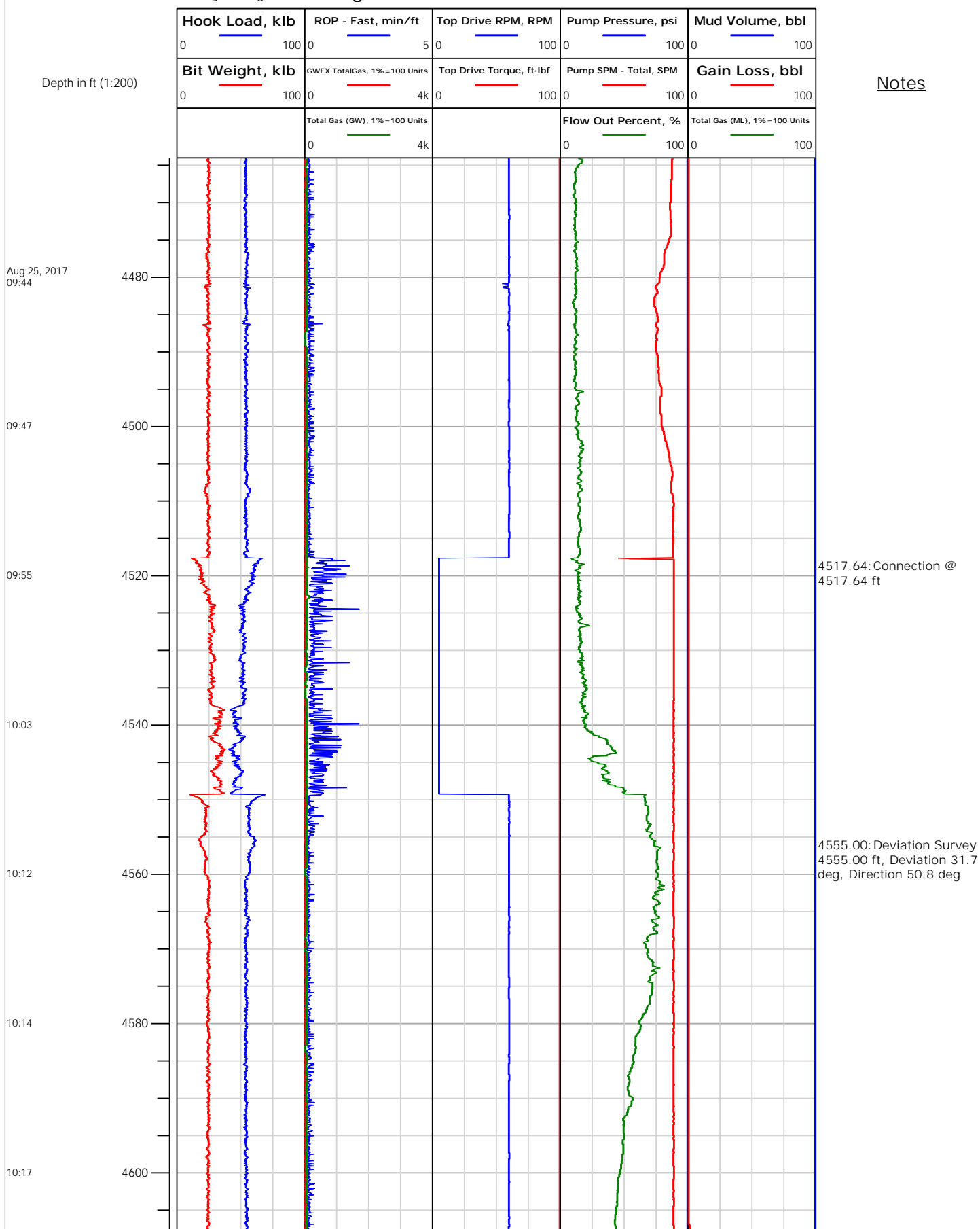
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





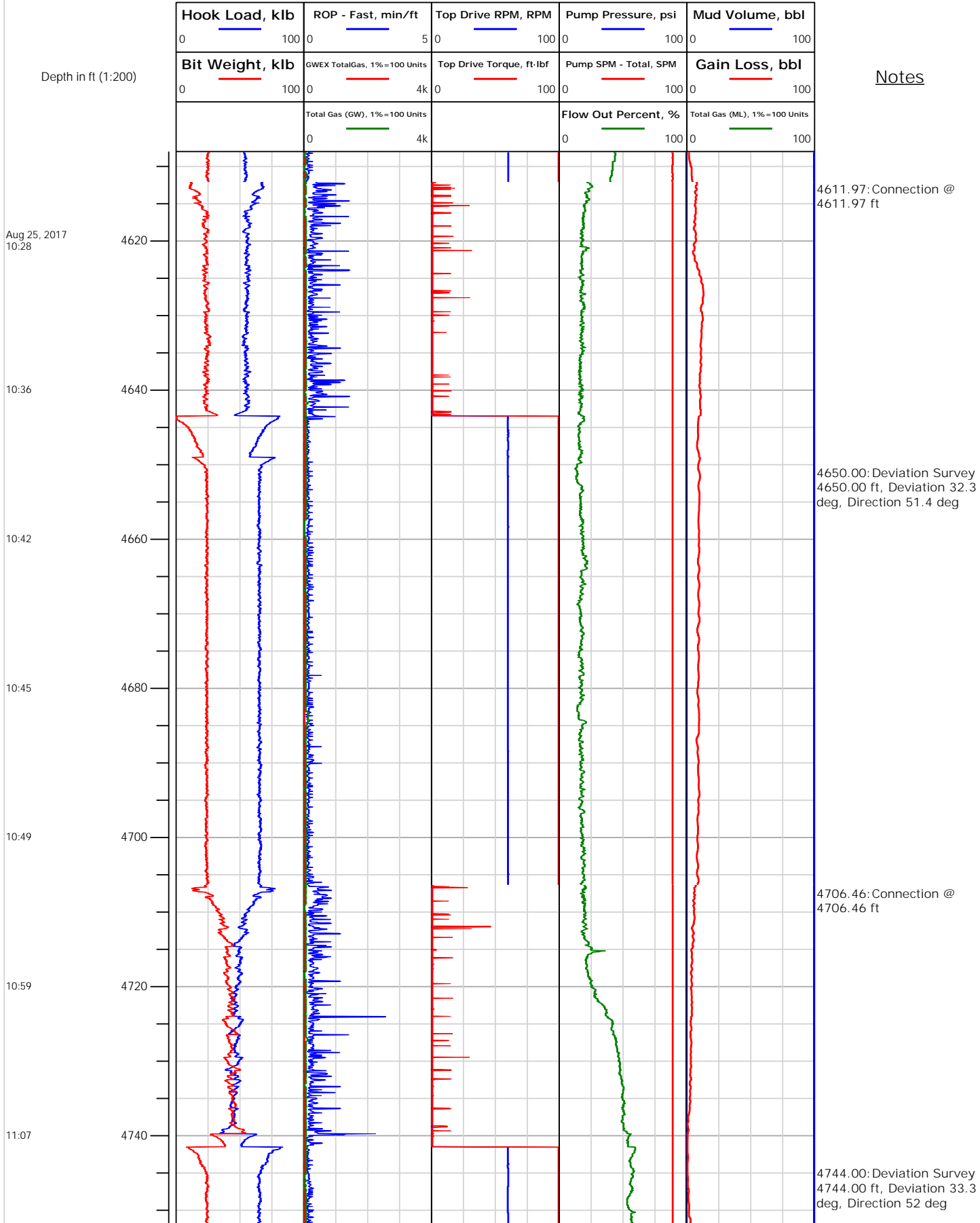
Electronic Drilling Recorder

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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





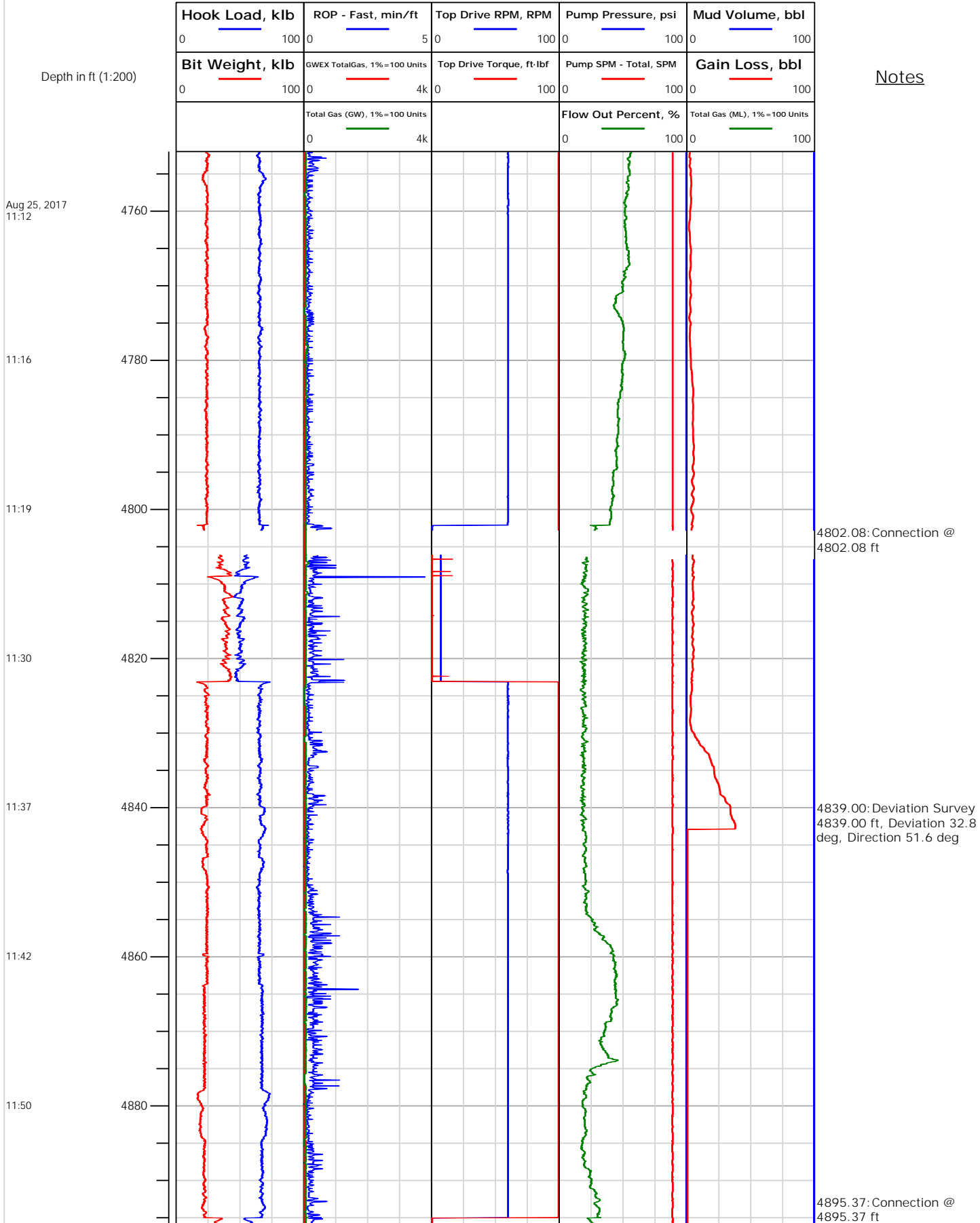
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes



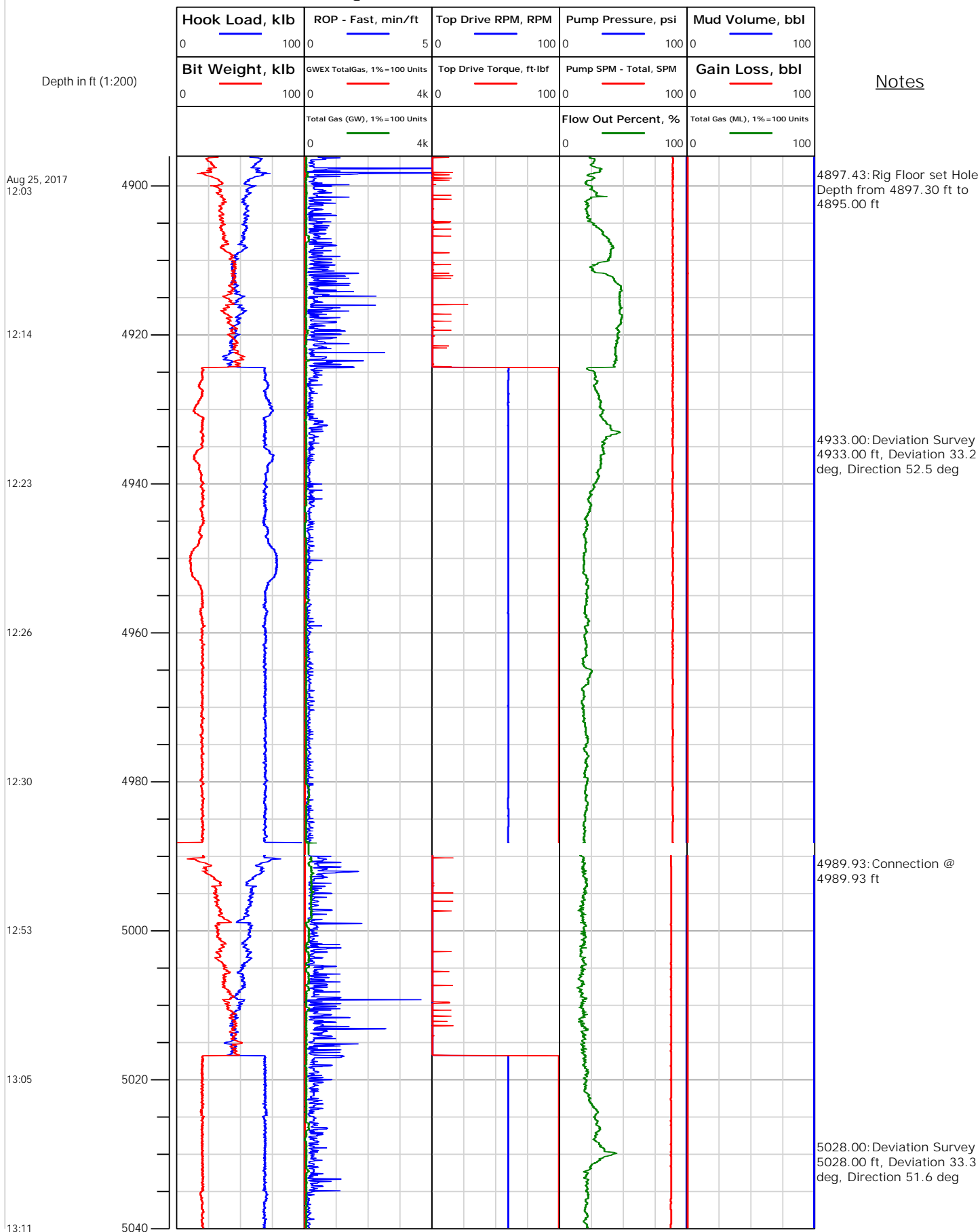


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes

Aug 25, 2017
13:18

13:23

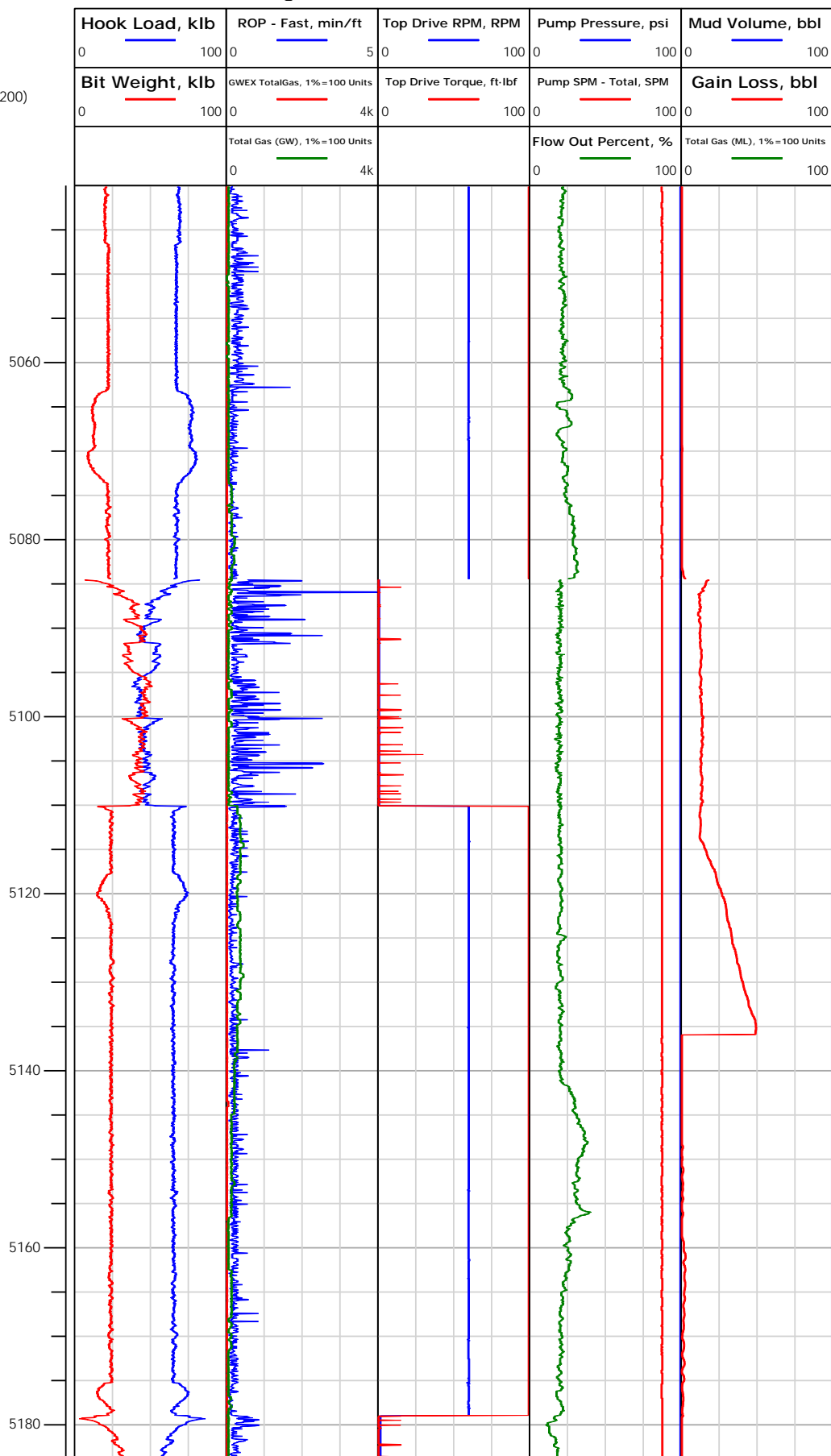
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13:47

13:50

13:56

14:04





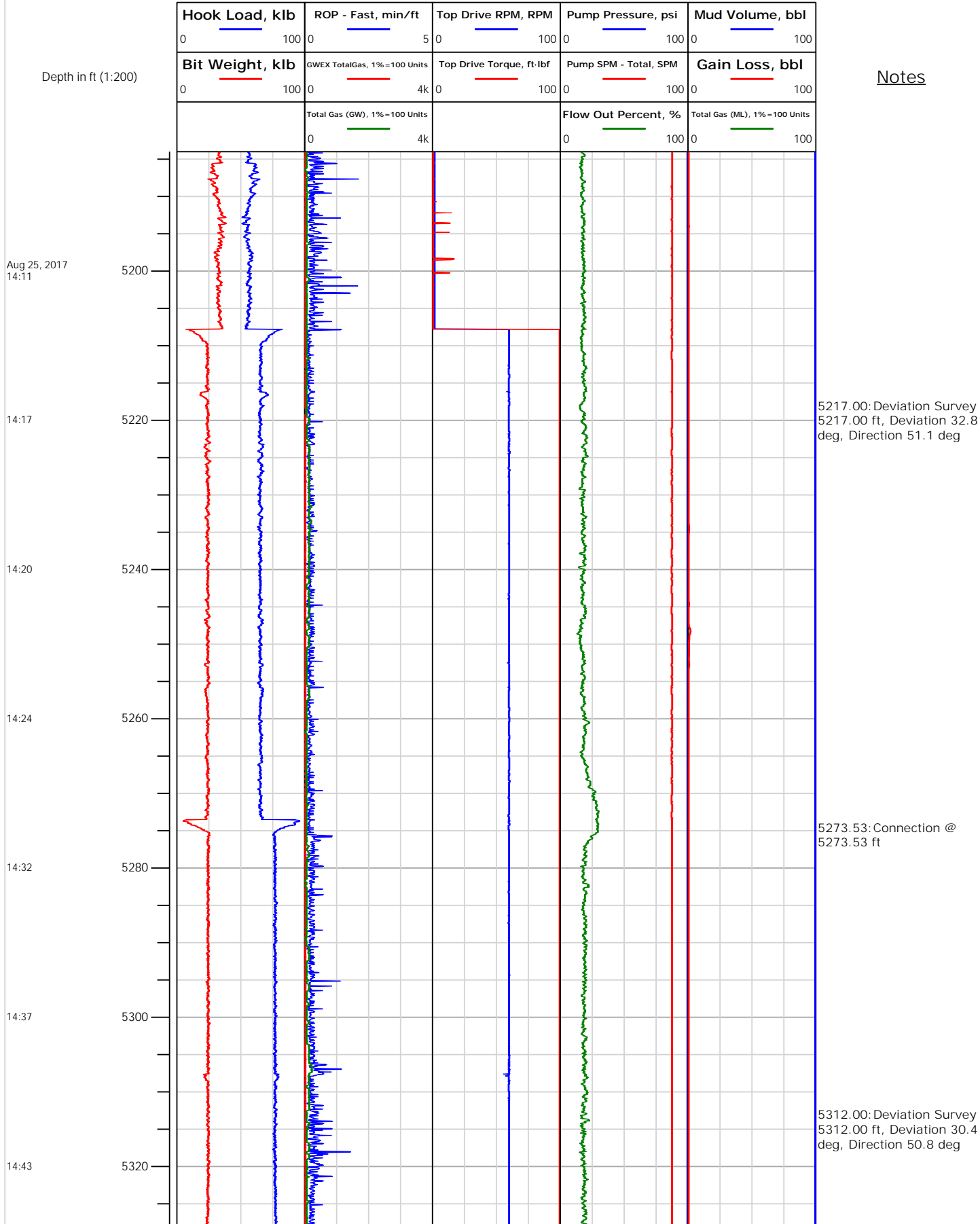
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





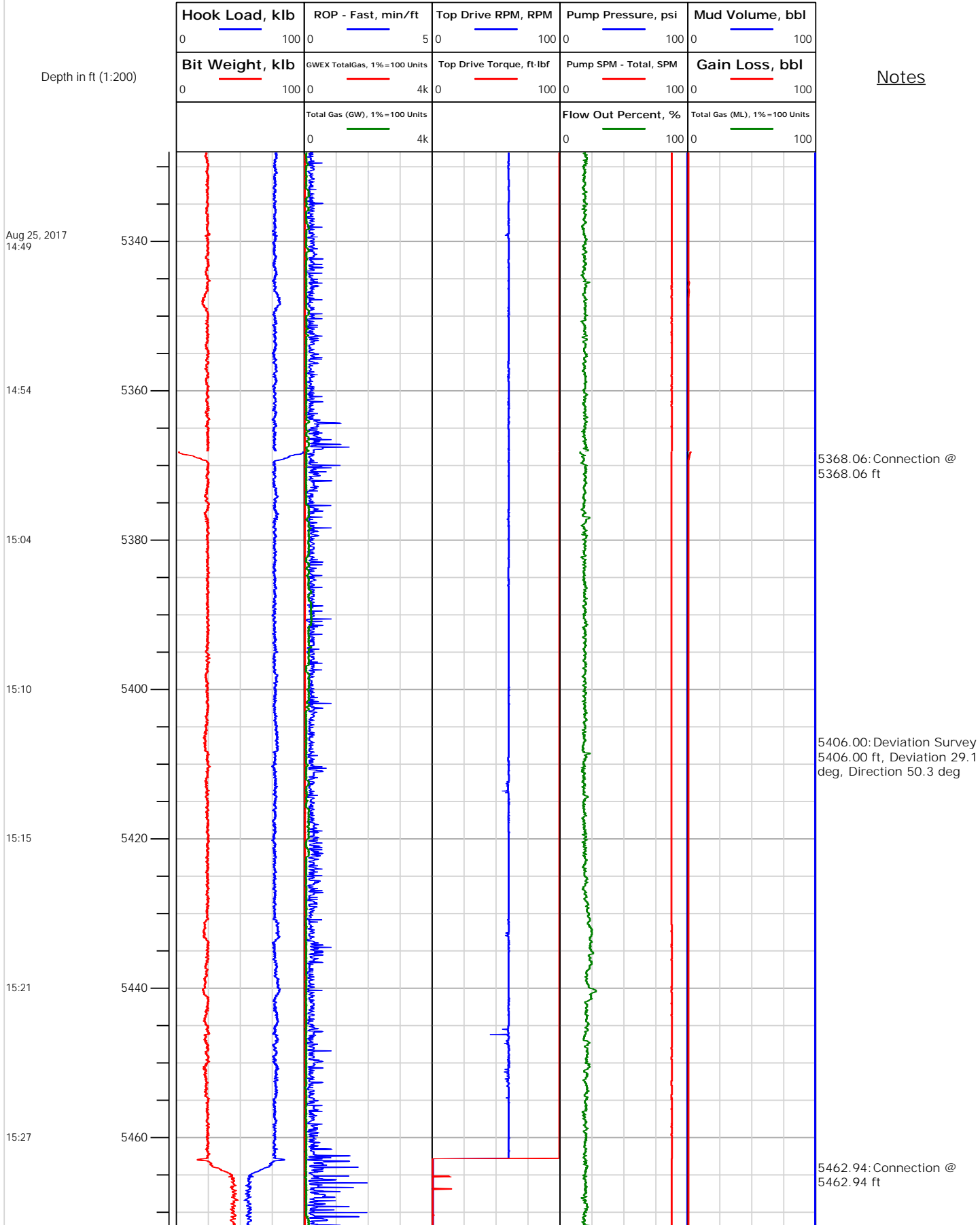
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





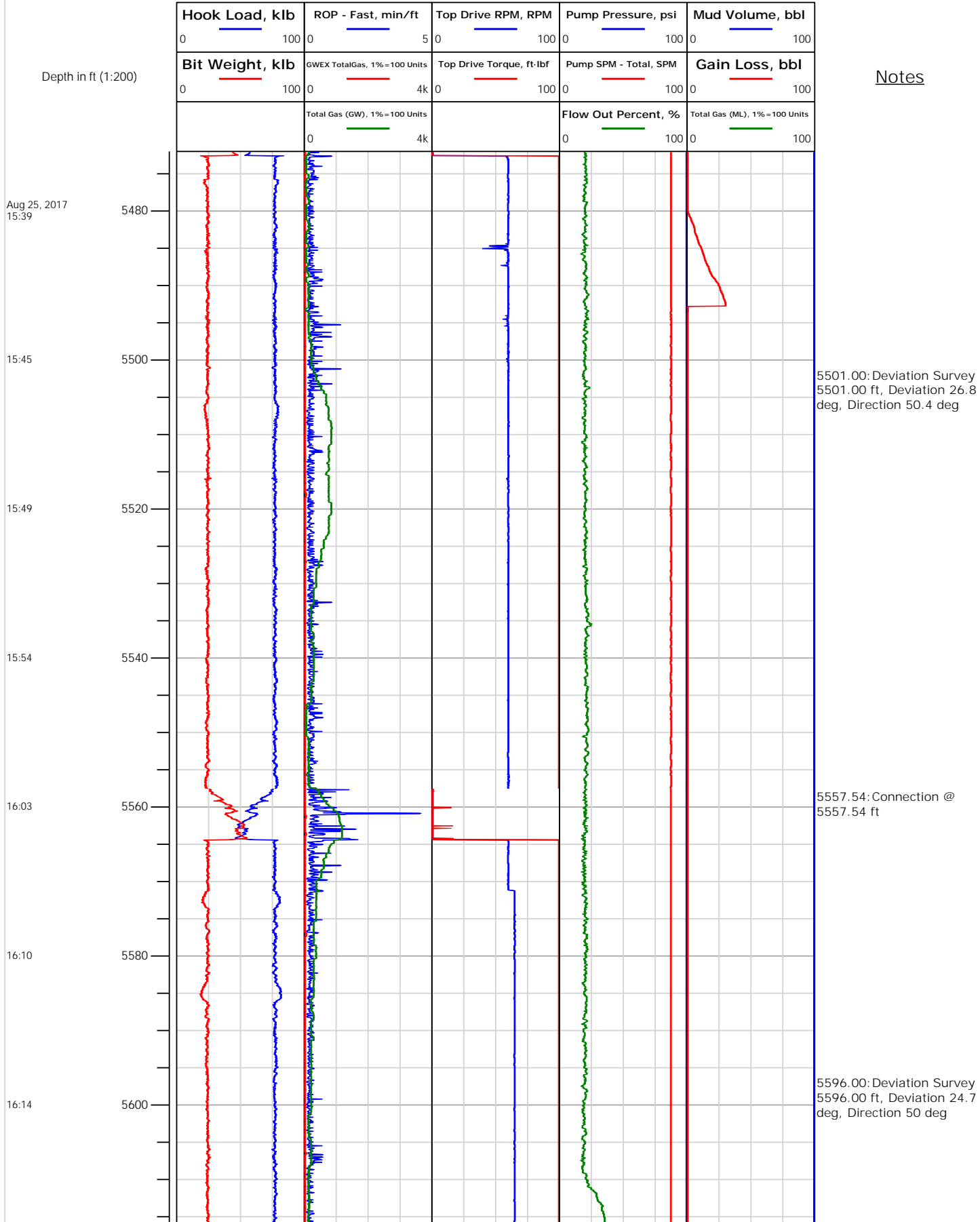
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes



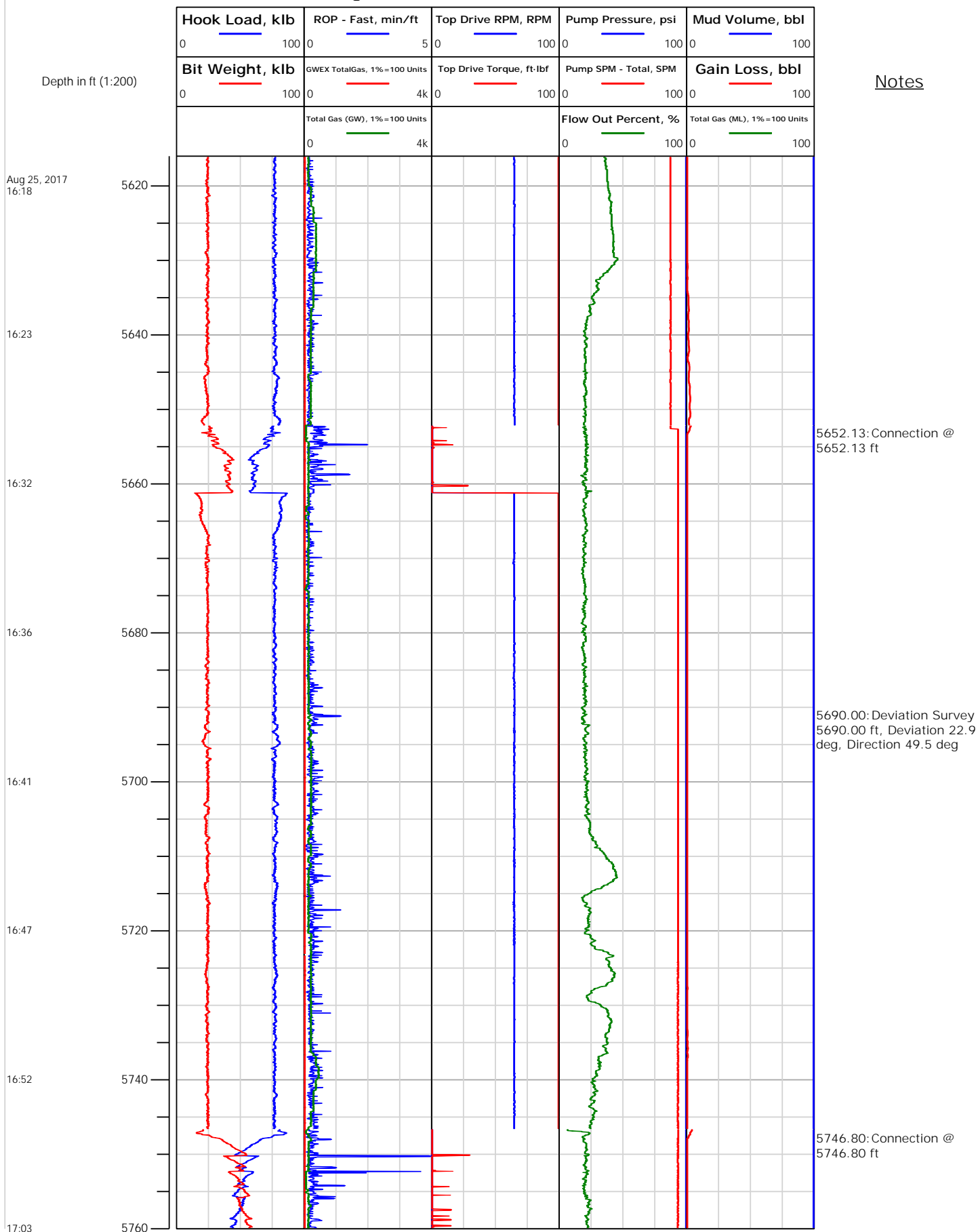


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4





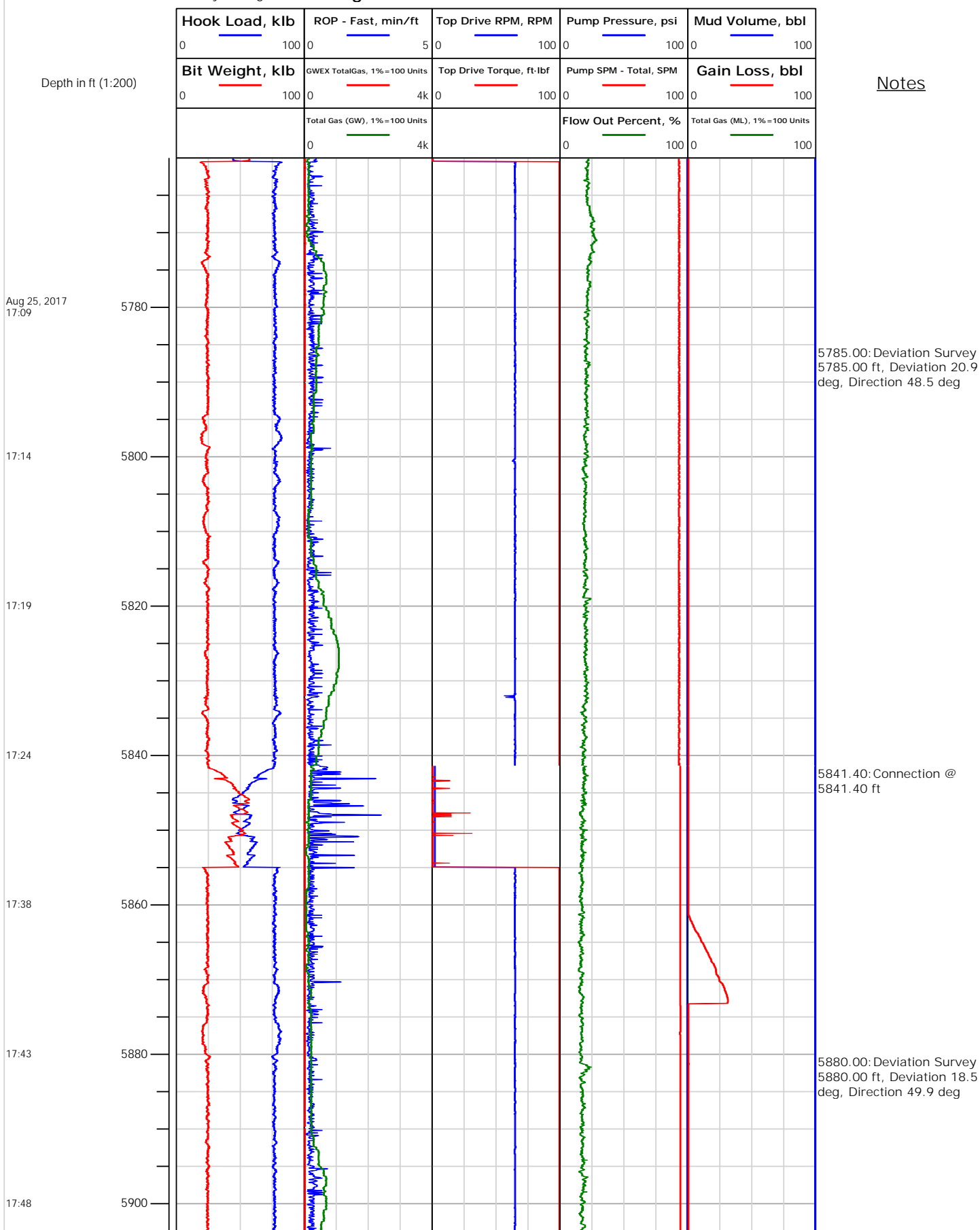
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





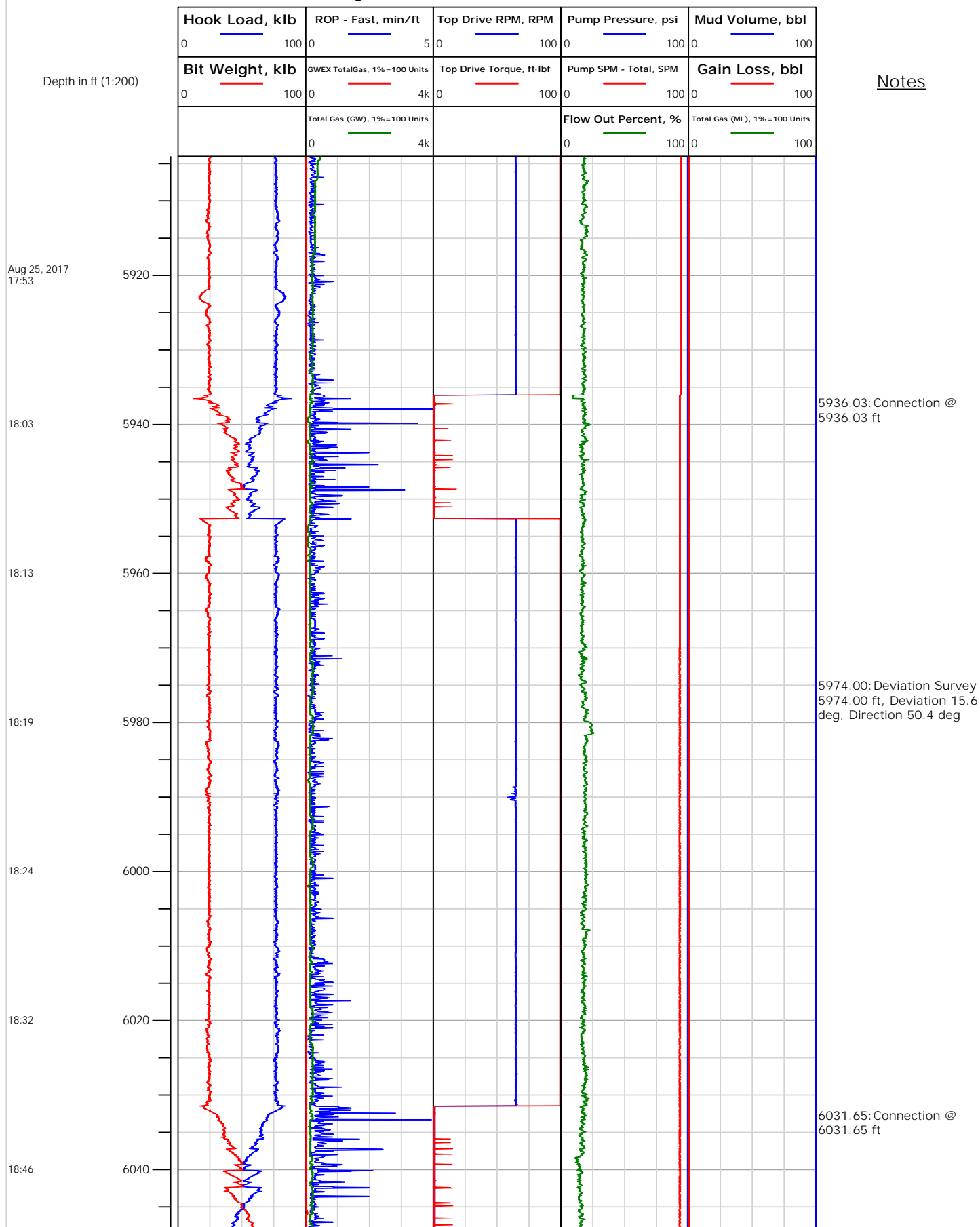
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





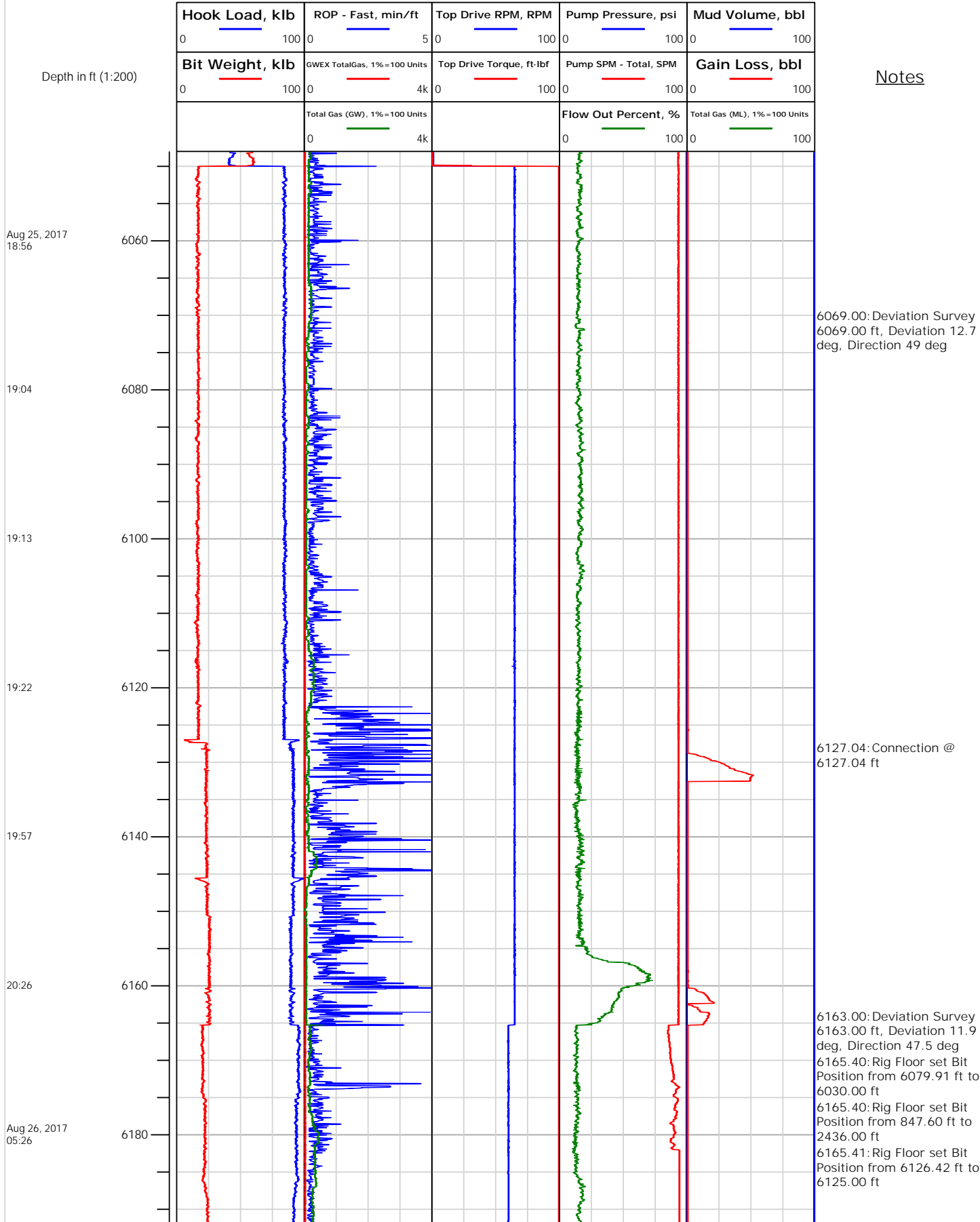
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





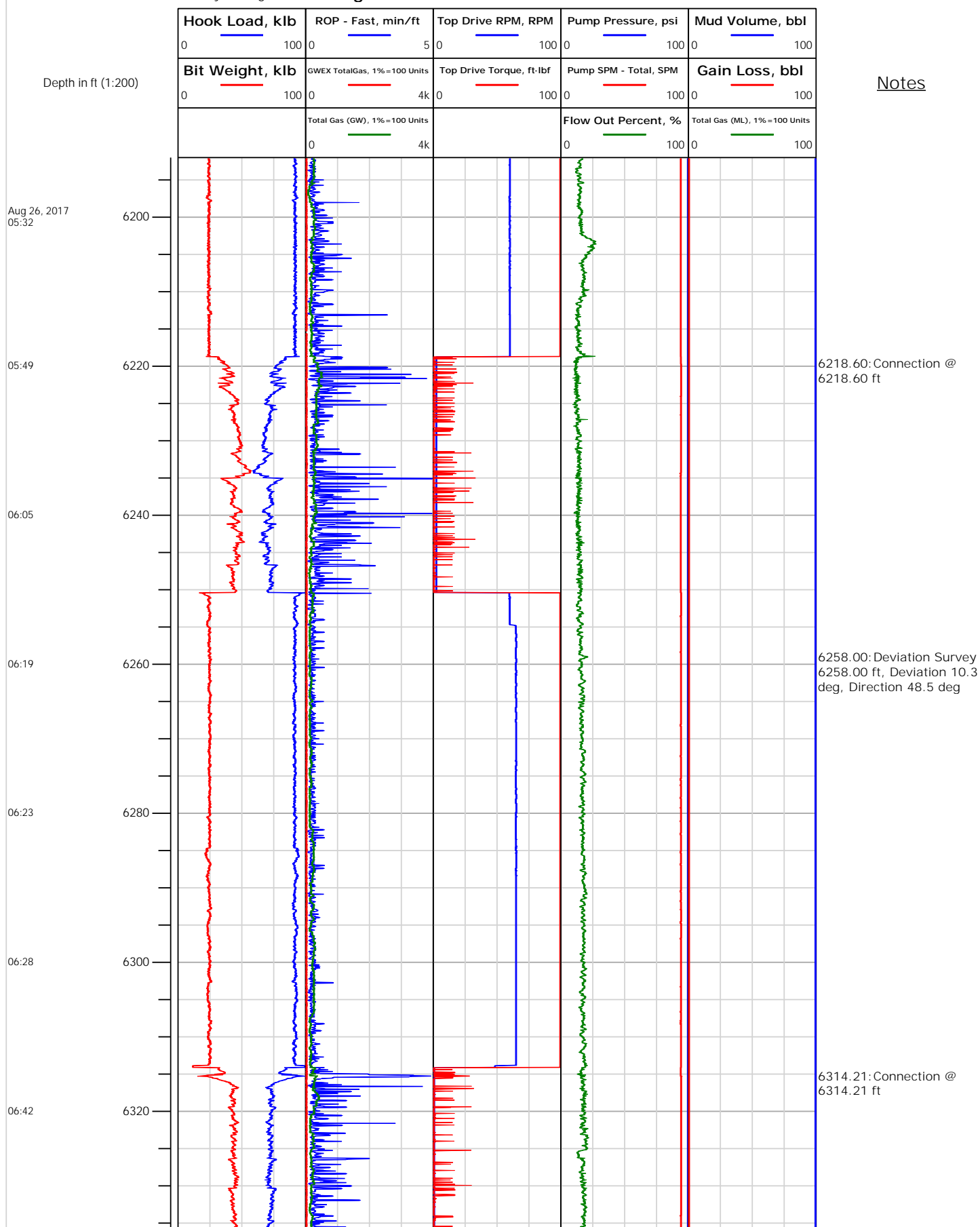
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





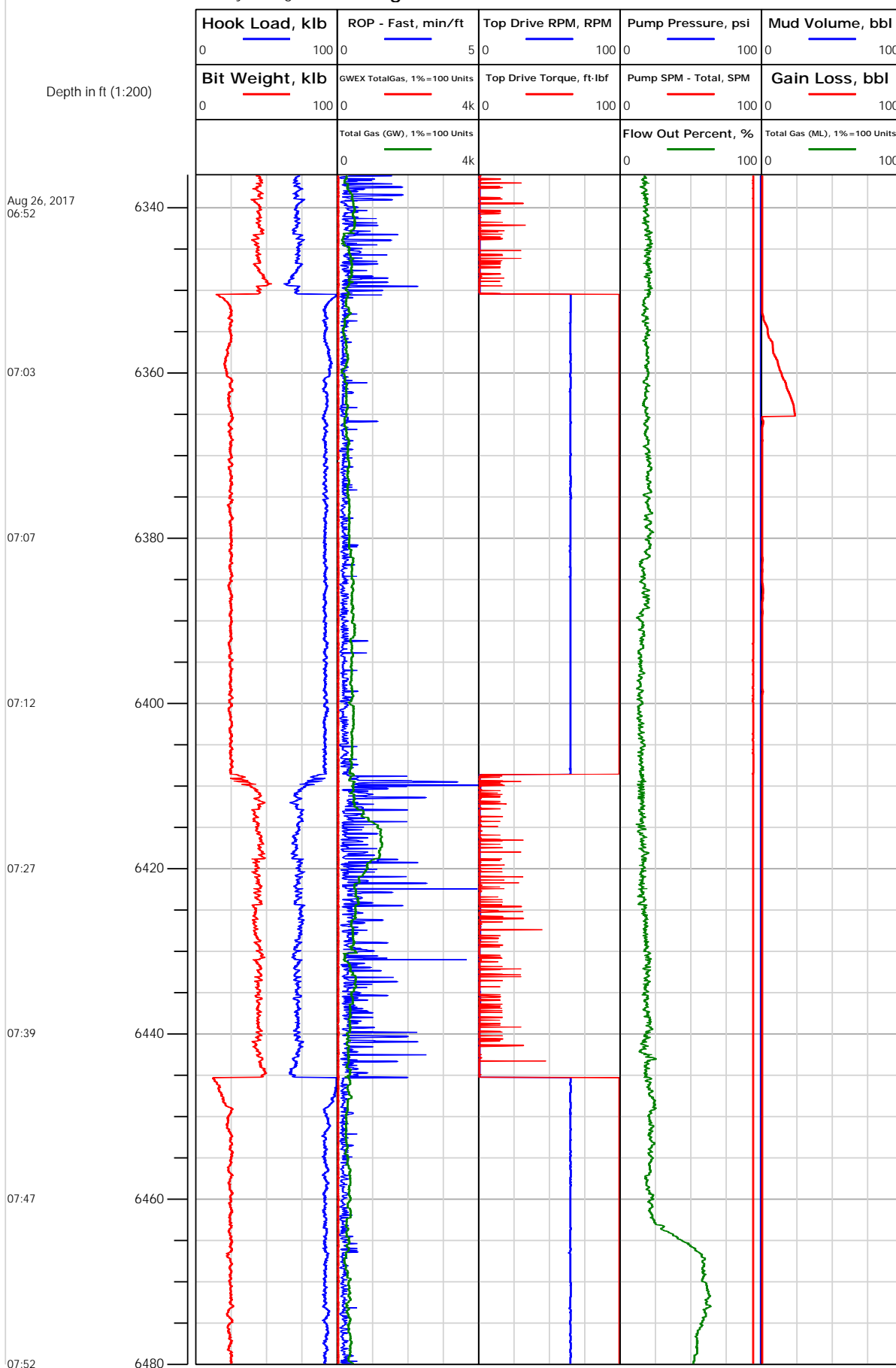
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

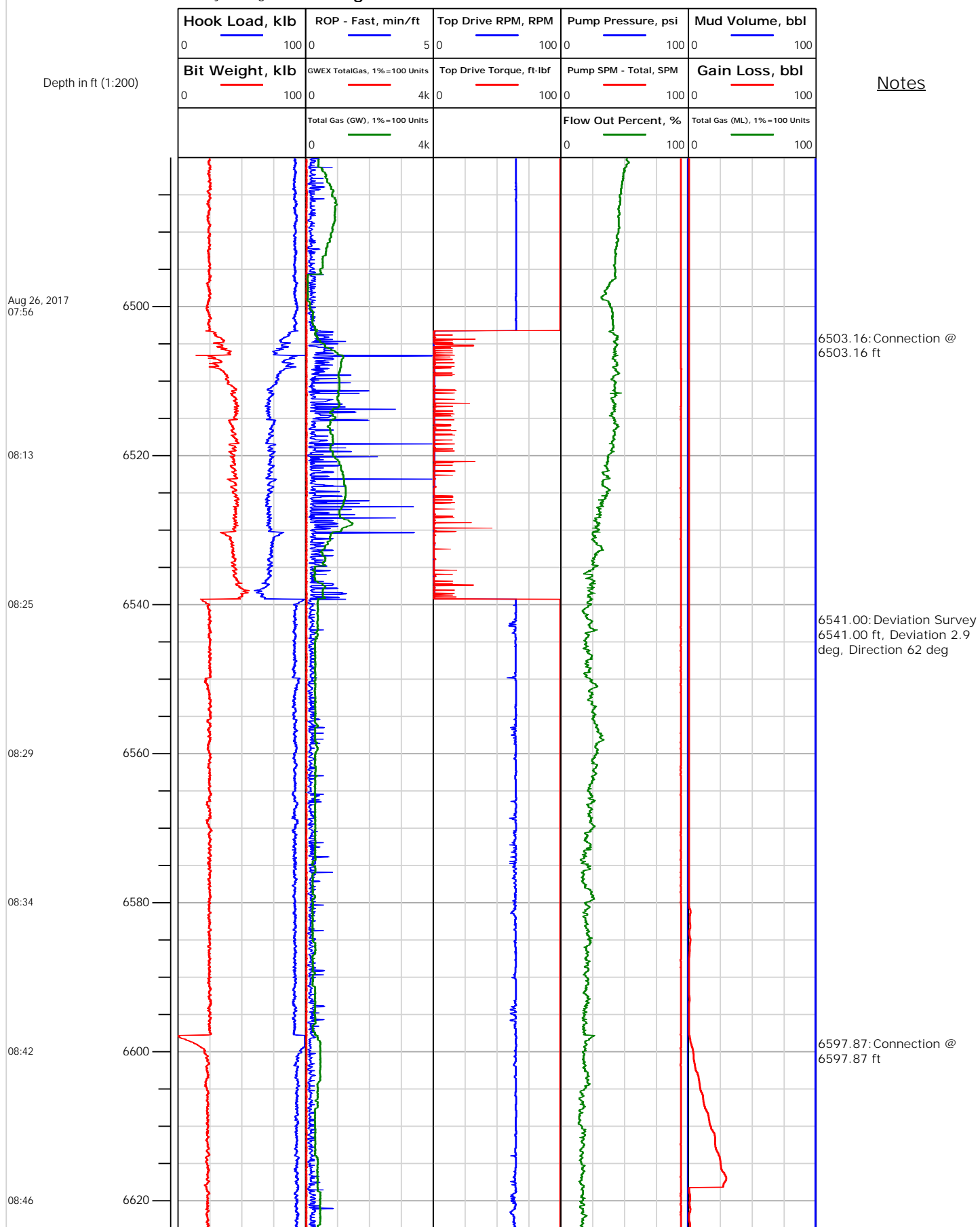
Location: E/4 of NW/4

Notes



Location: E/4 of NW/4

Electronic Drilling Recorder





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes

Depth in ft (1:200)

Aug 26, 2017
08:50

08:55

09:00

09:12

09:17

09:22

09:26

6640

6660

6680

6700

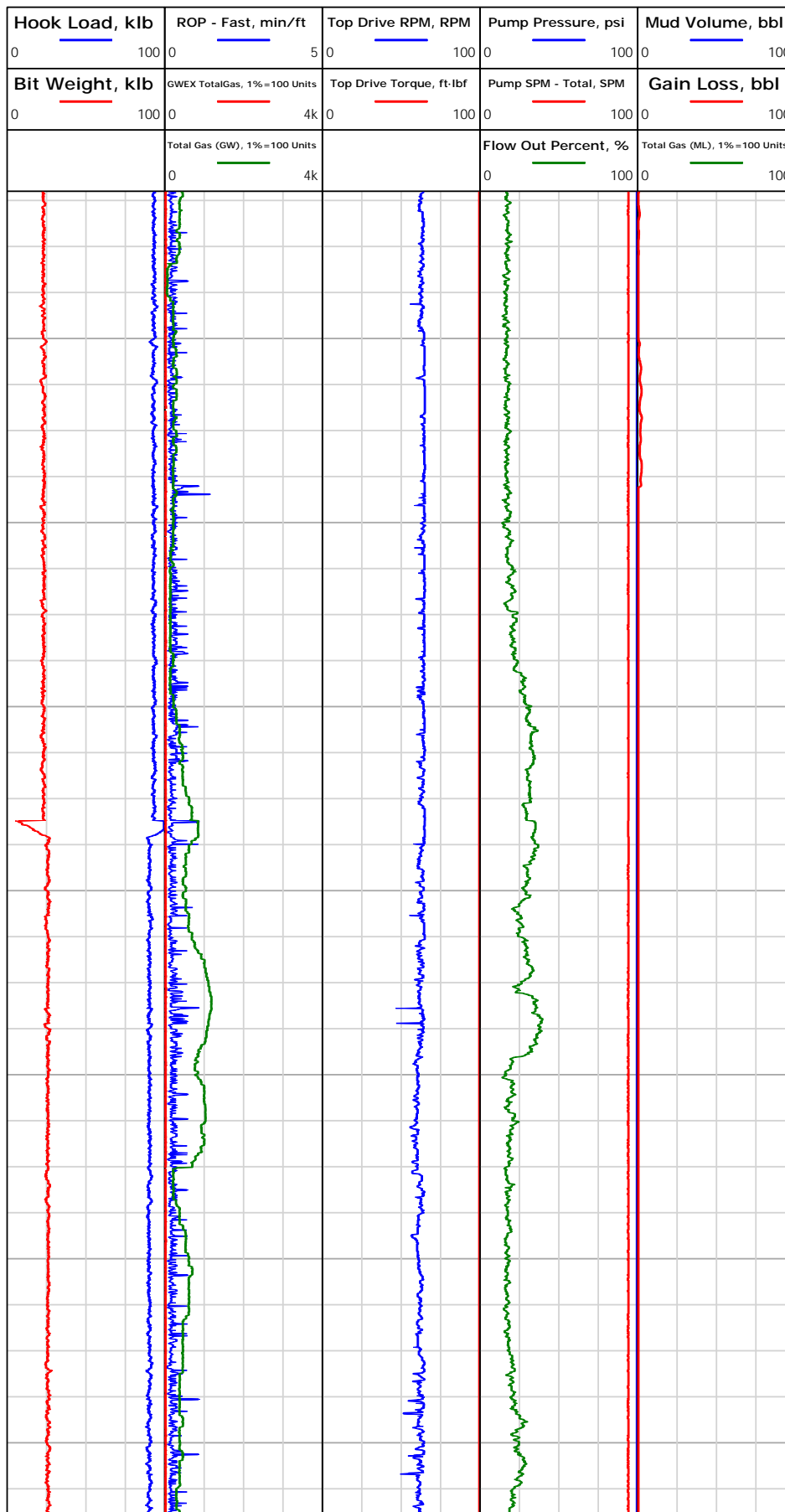
6720

6740

6760

6636.00: Deviation Survey
6636.00 ft, Deviation 2.4
deg, Direction 65.5 deg

6692.43: Connection @
6692.43 ft





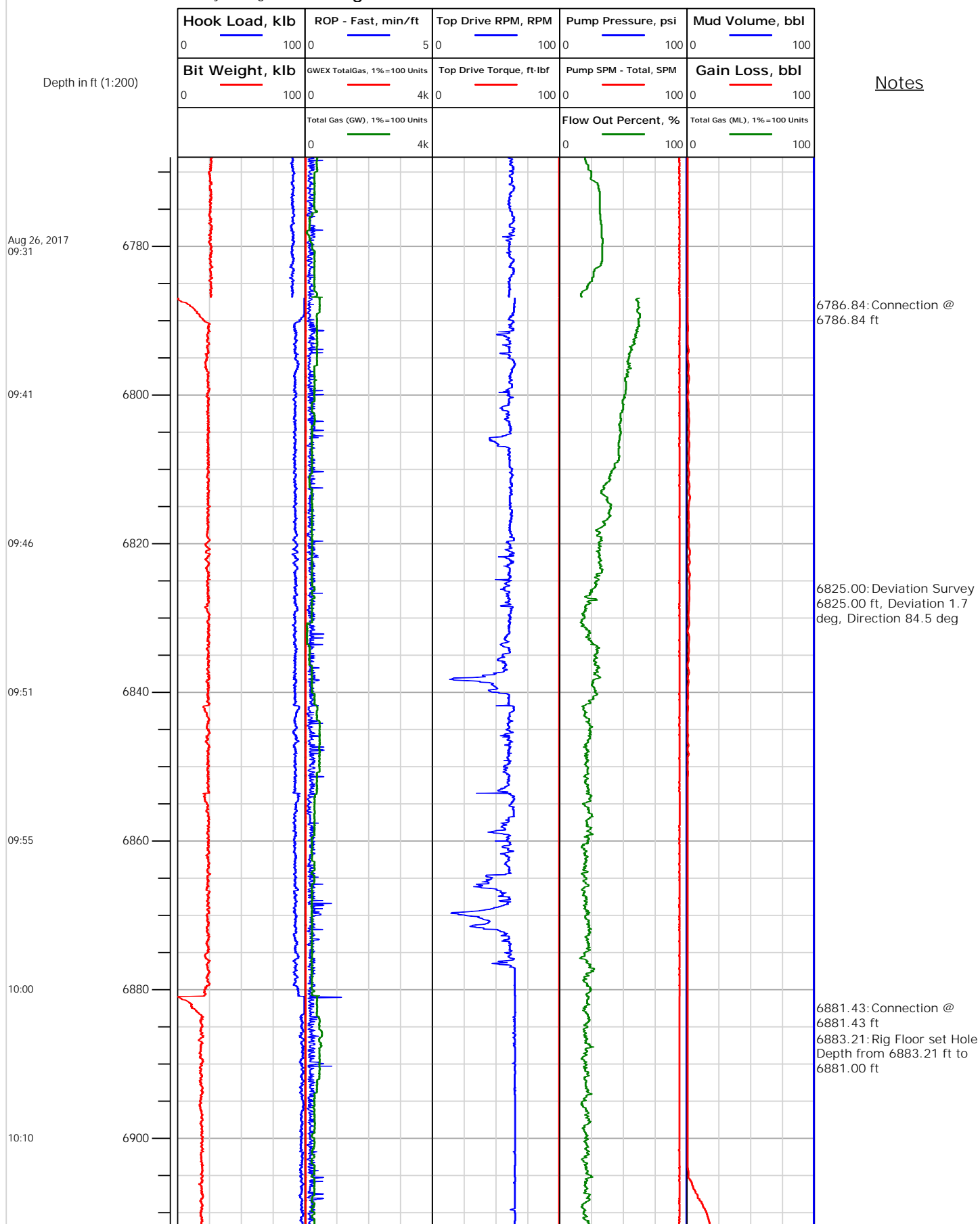
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





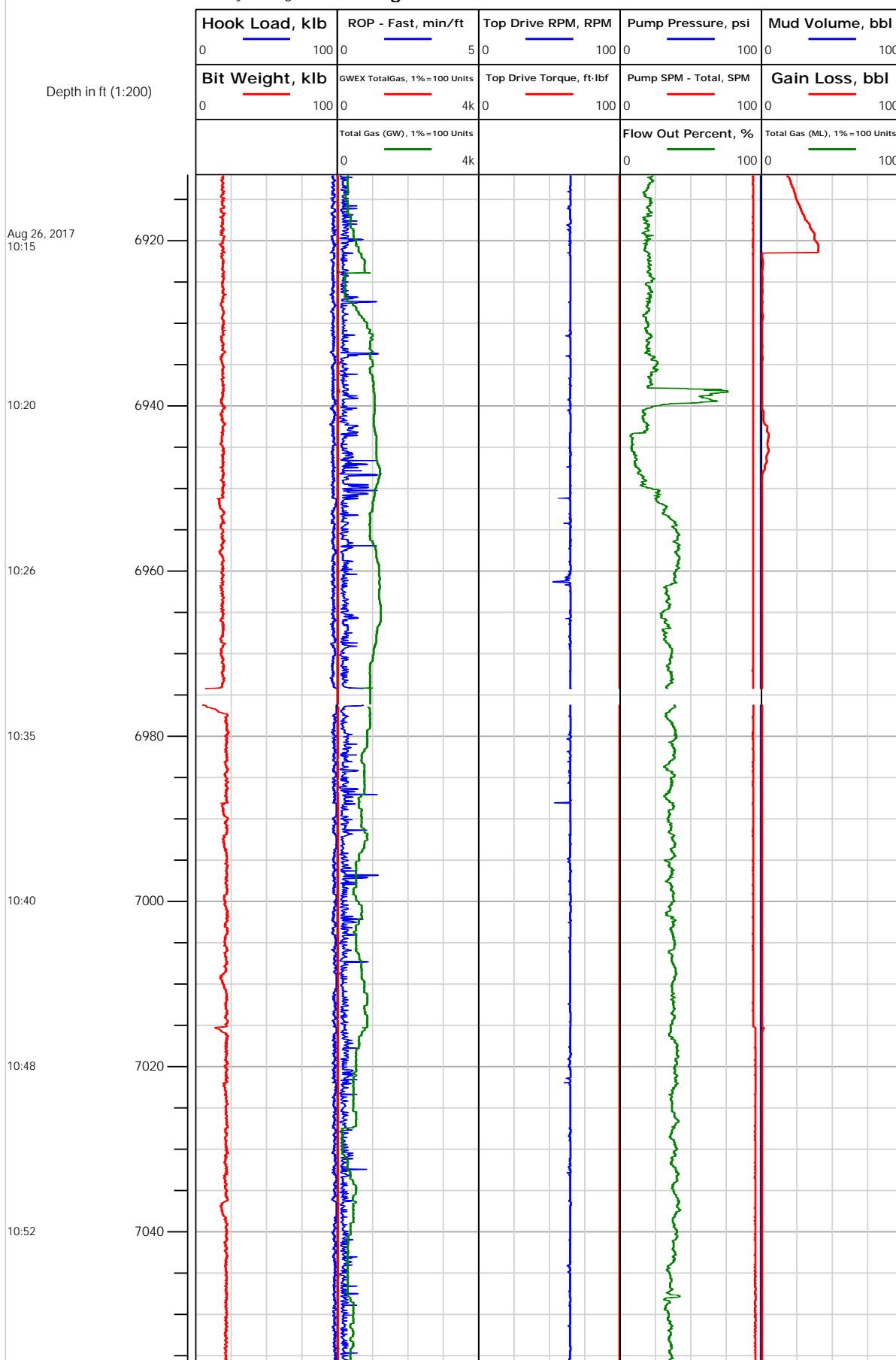
Electronic Drilling Recorder

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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes



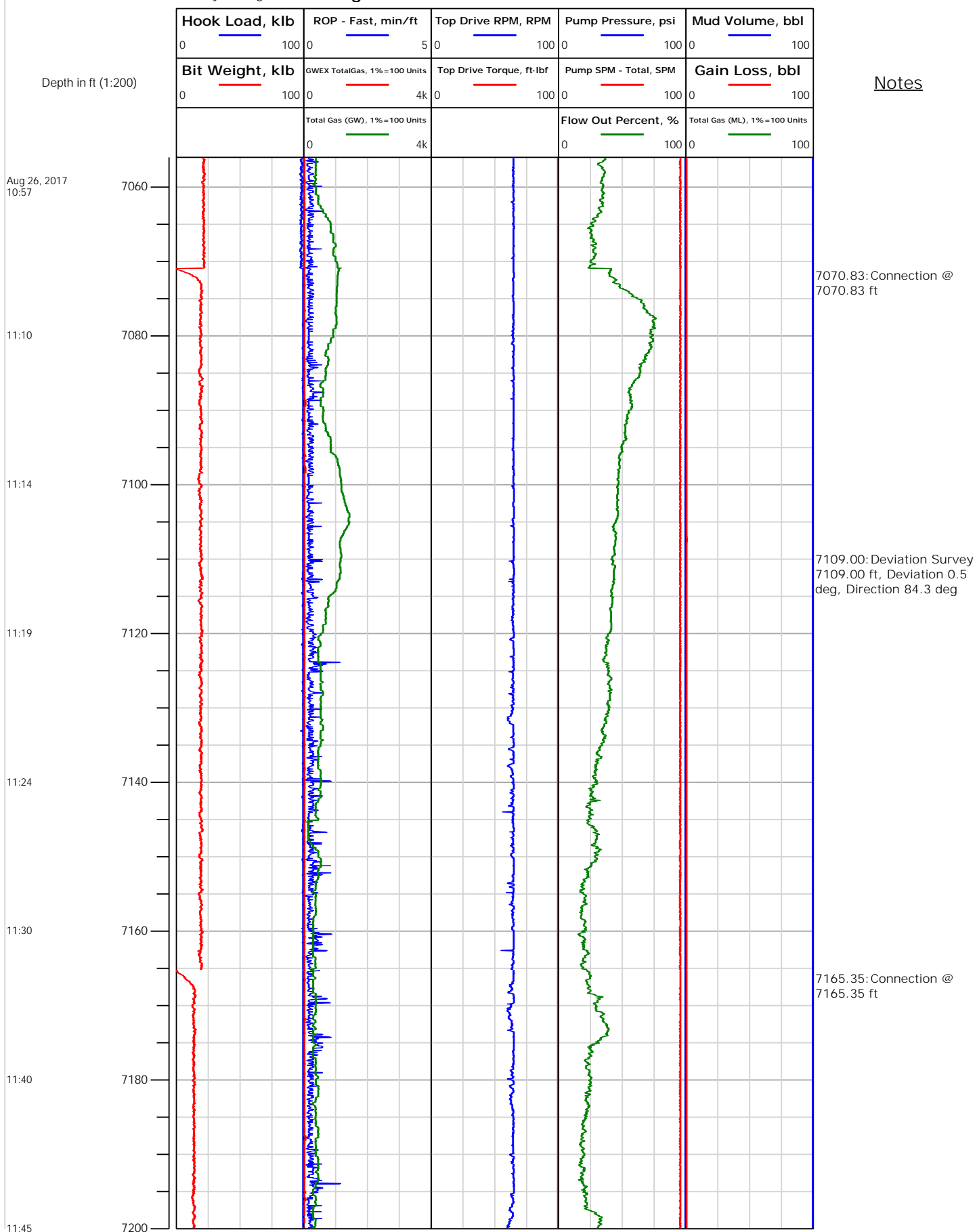


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4





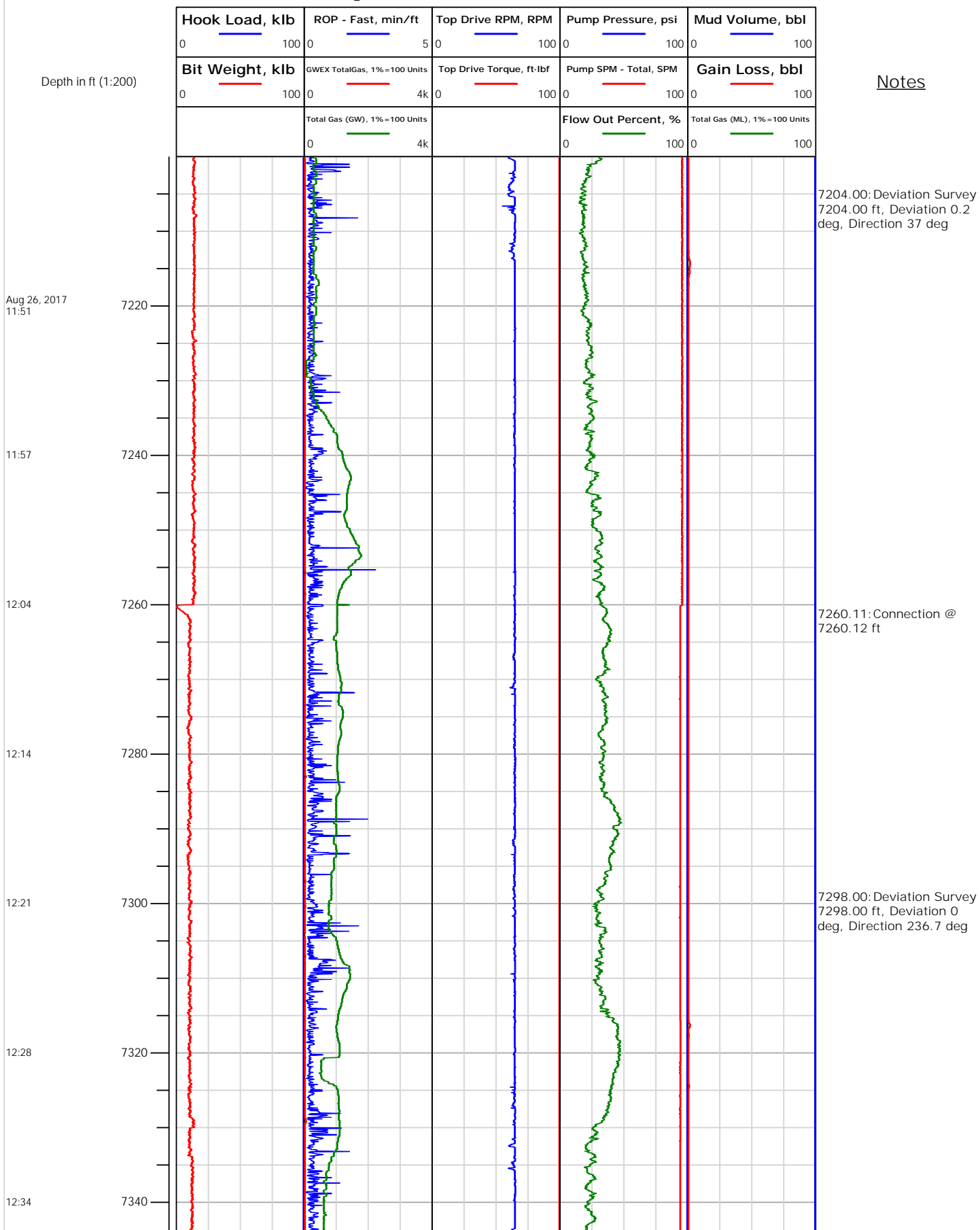
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes



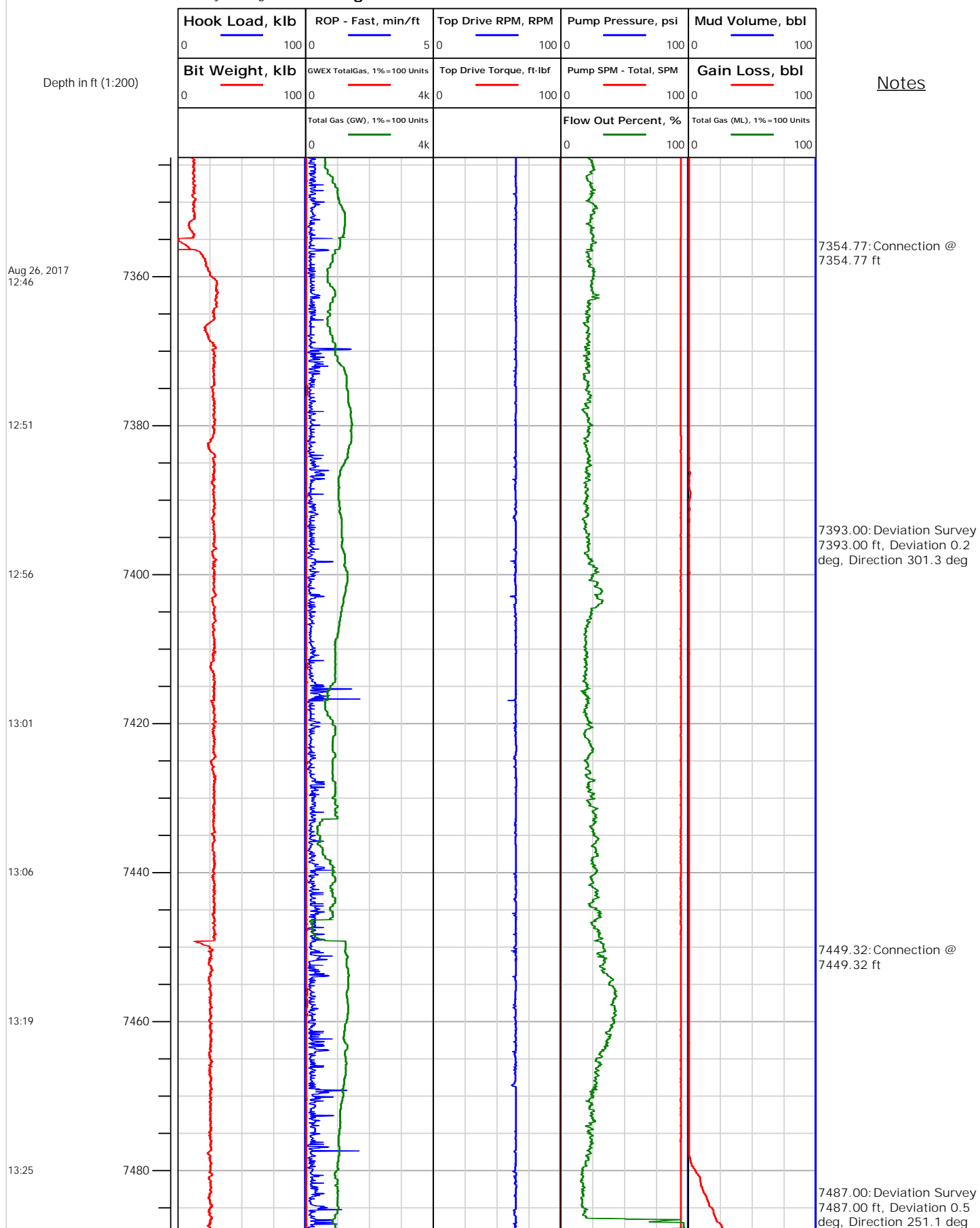


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4





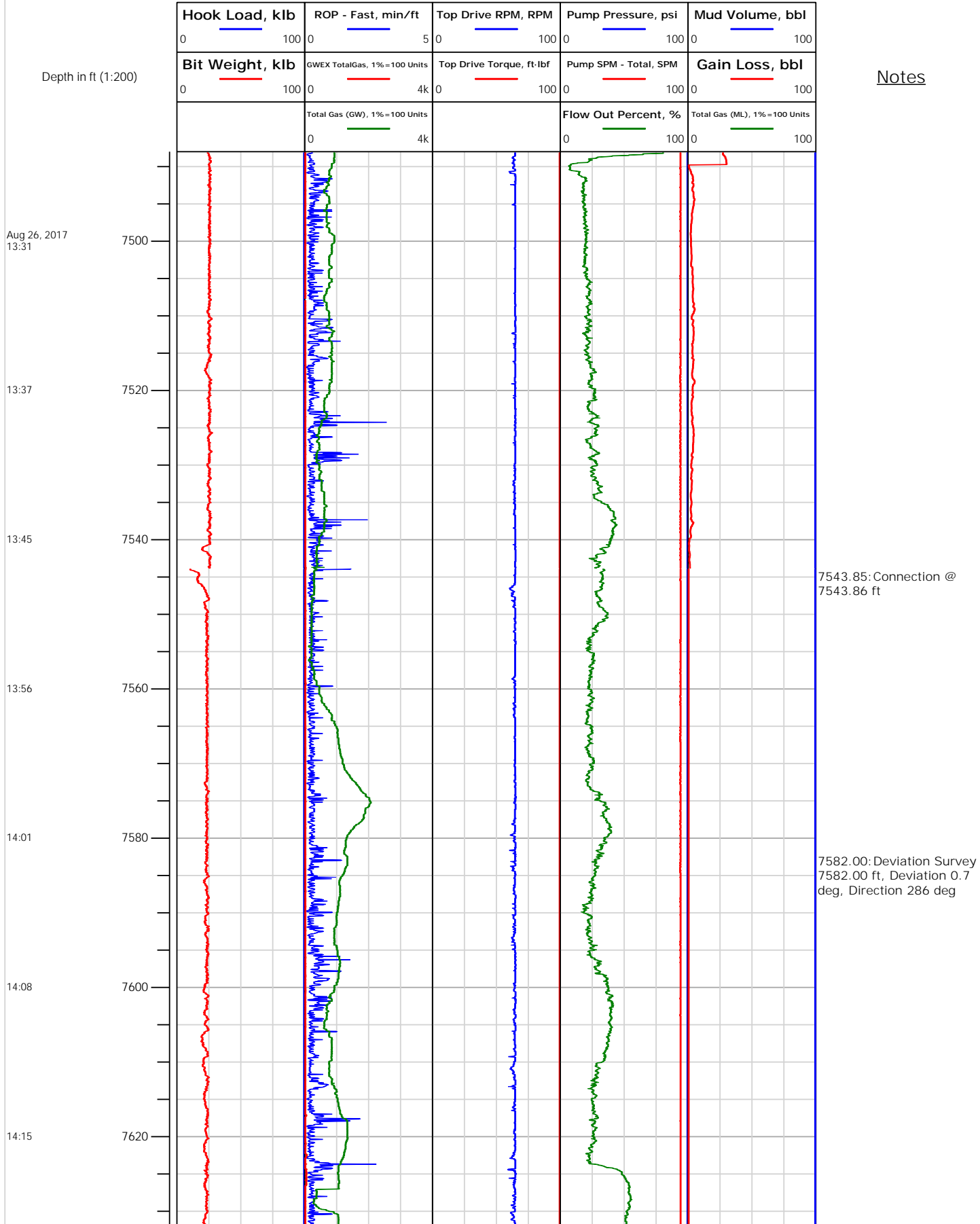
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes



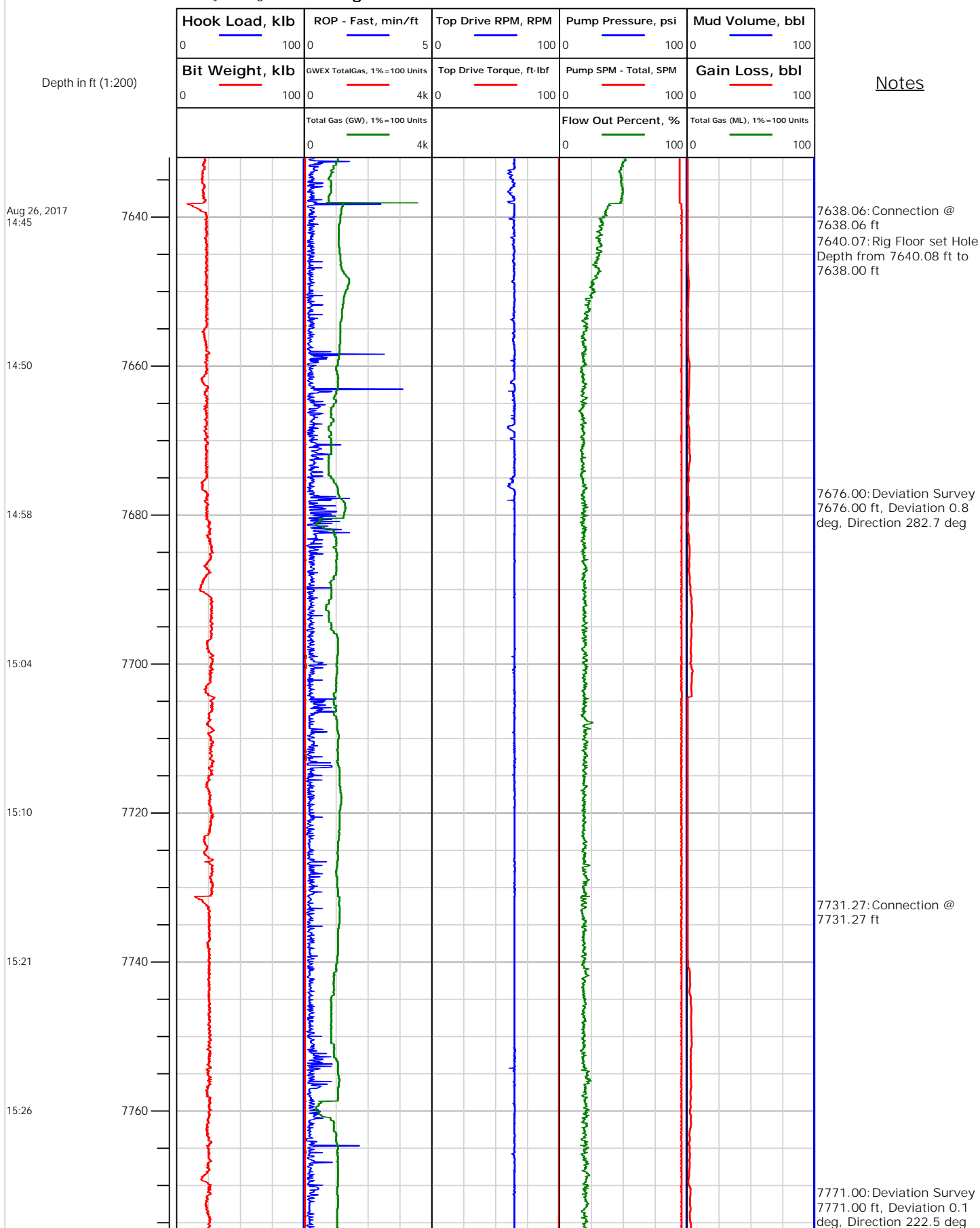


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4



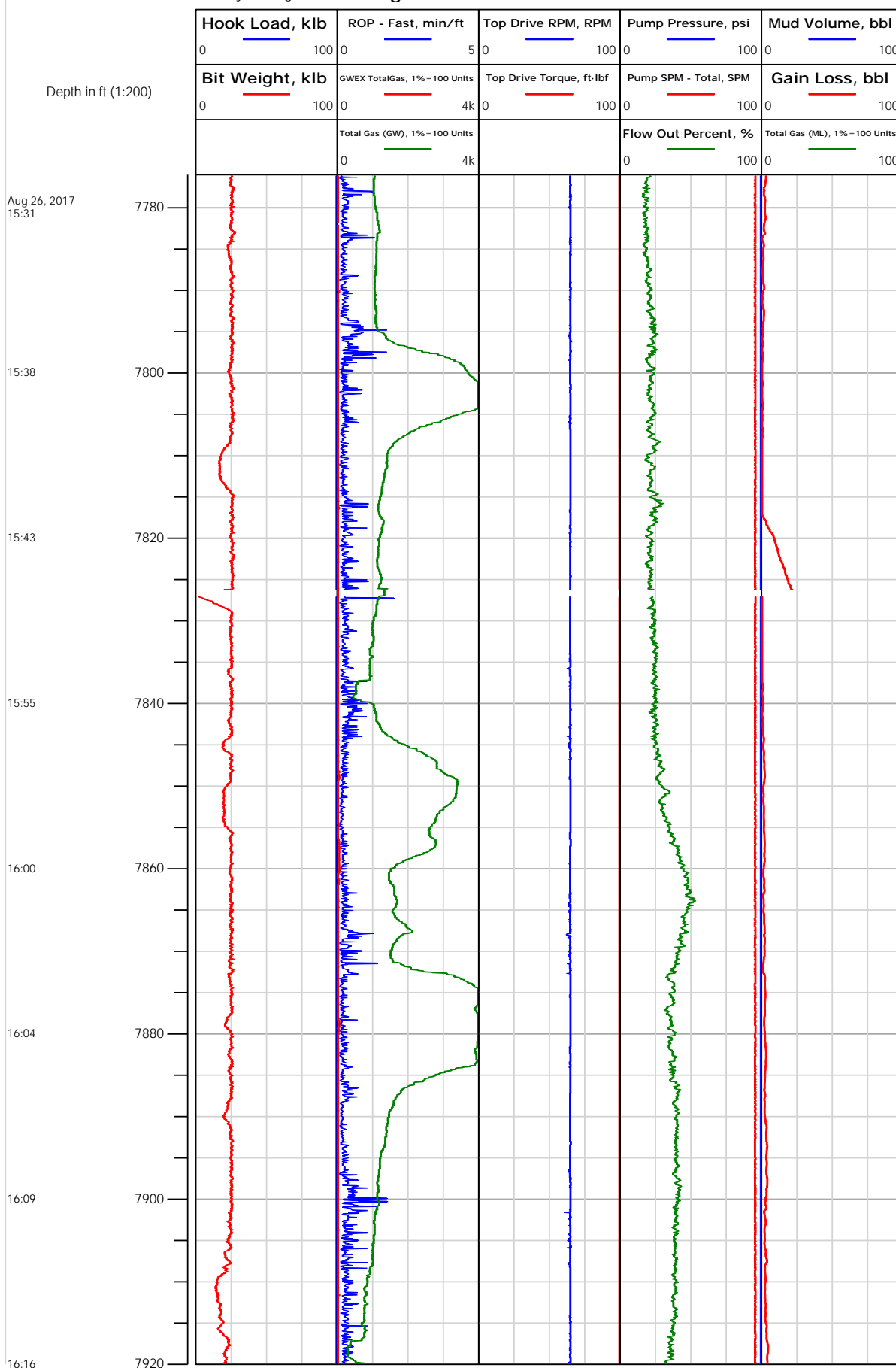


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4



Notes



Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes

Depth in ft (1:200)

Aug 26, 2017
16:27

16:30

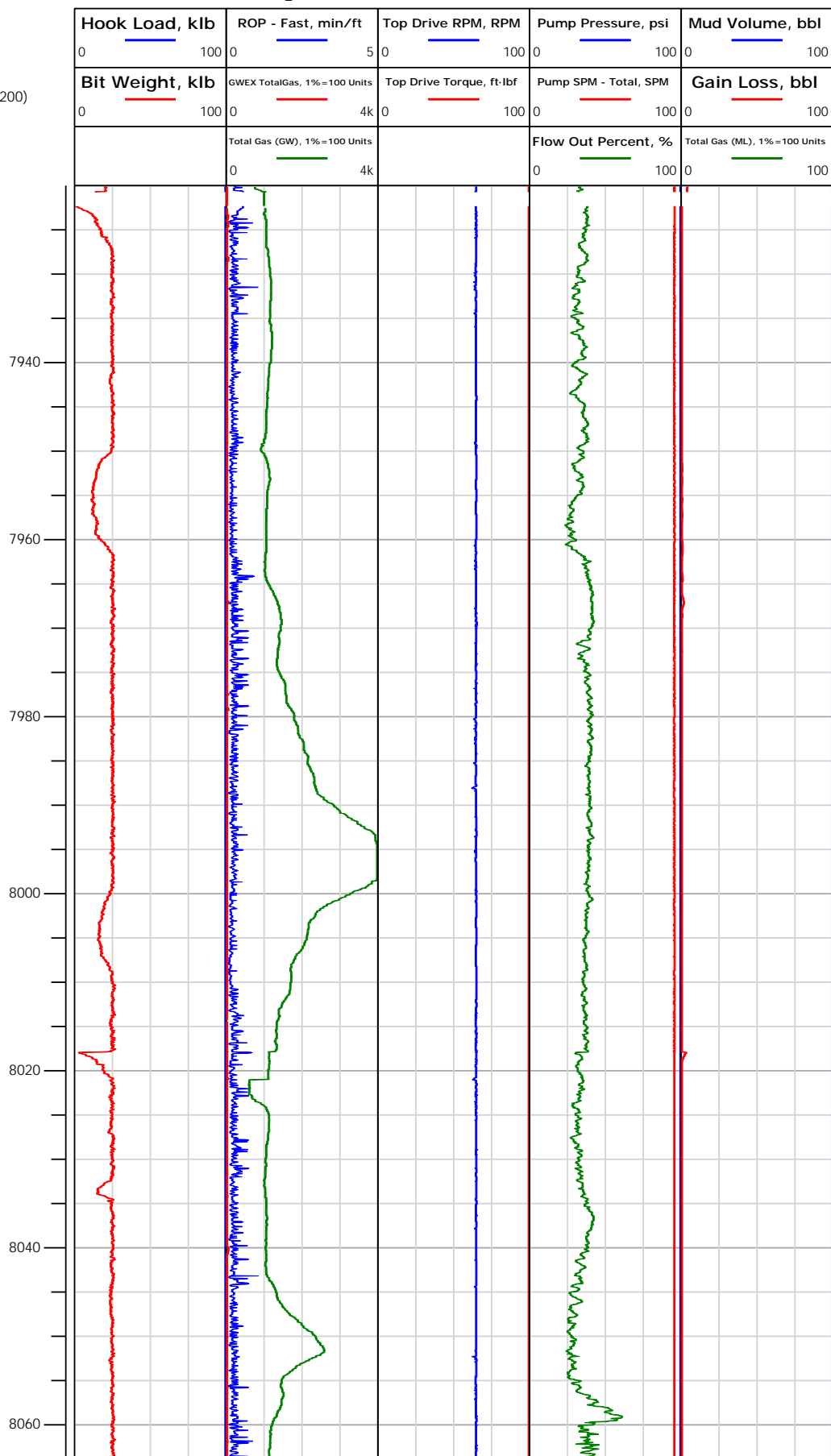
16:36

16:41

16:50

16:54

16:59



7922.21: Connection @
7922.21 ft

7960.00: Deviation Survey
7960.00 ft, Deviation 0.8
deg, Direction 212.8 deg

8017.97: Connection @
8017.97 ft

8055.00: Deviation Survey
8055.00 ft, Deviation 1
deg, Direction 238.3 deg

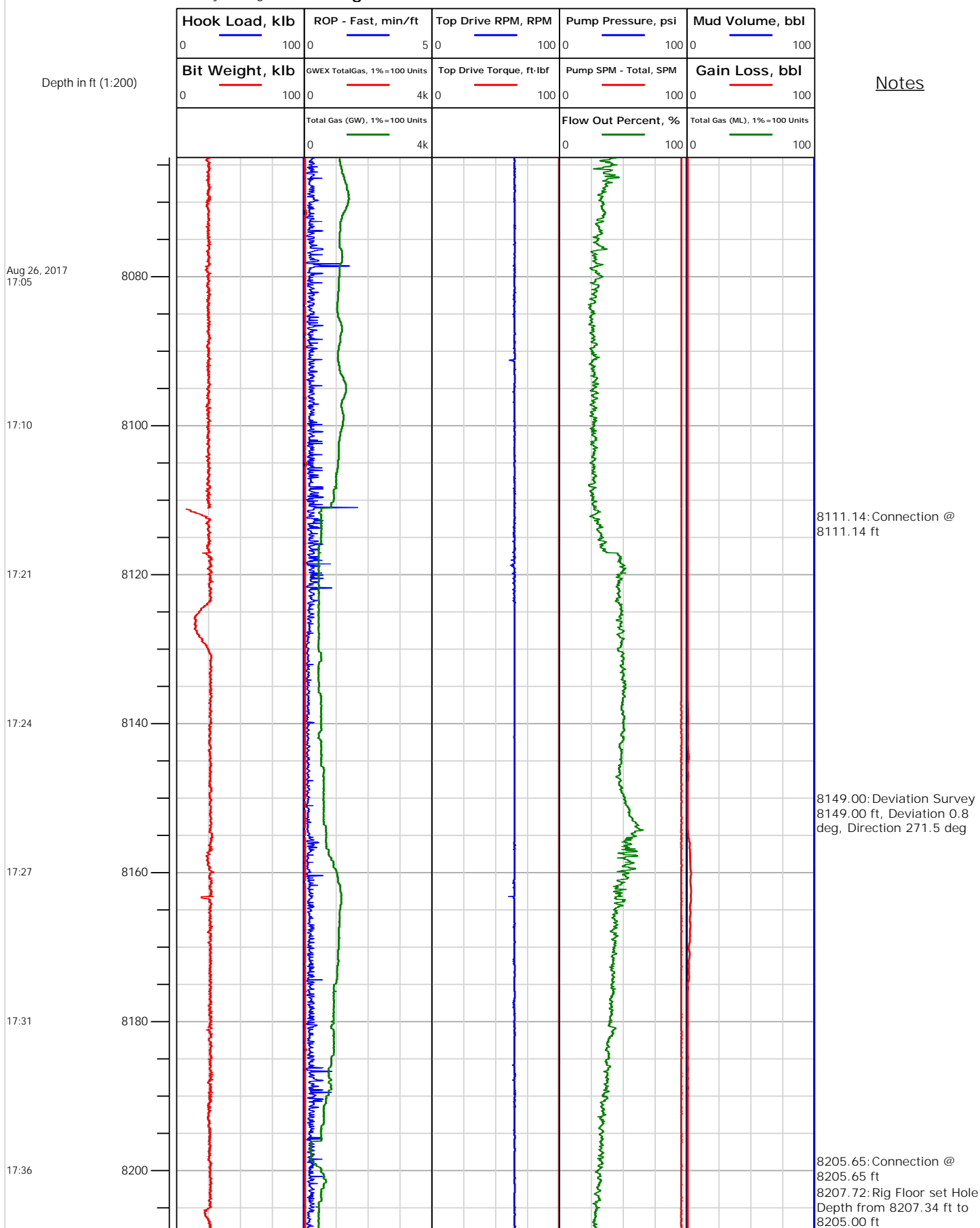


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4





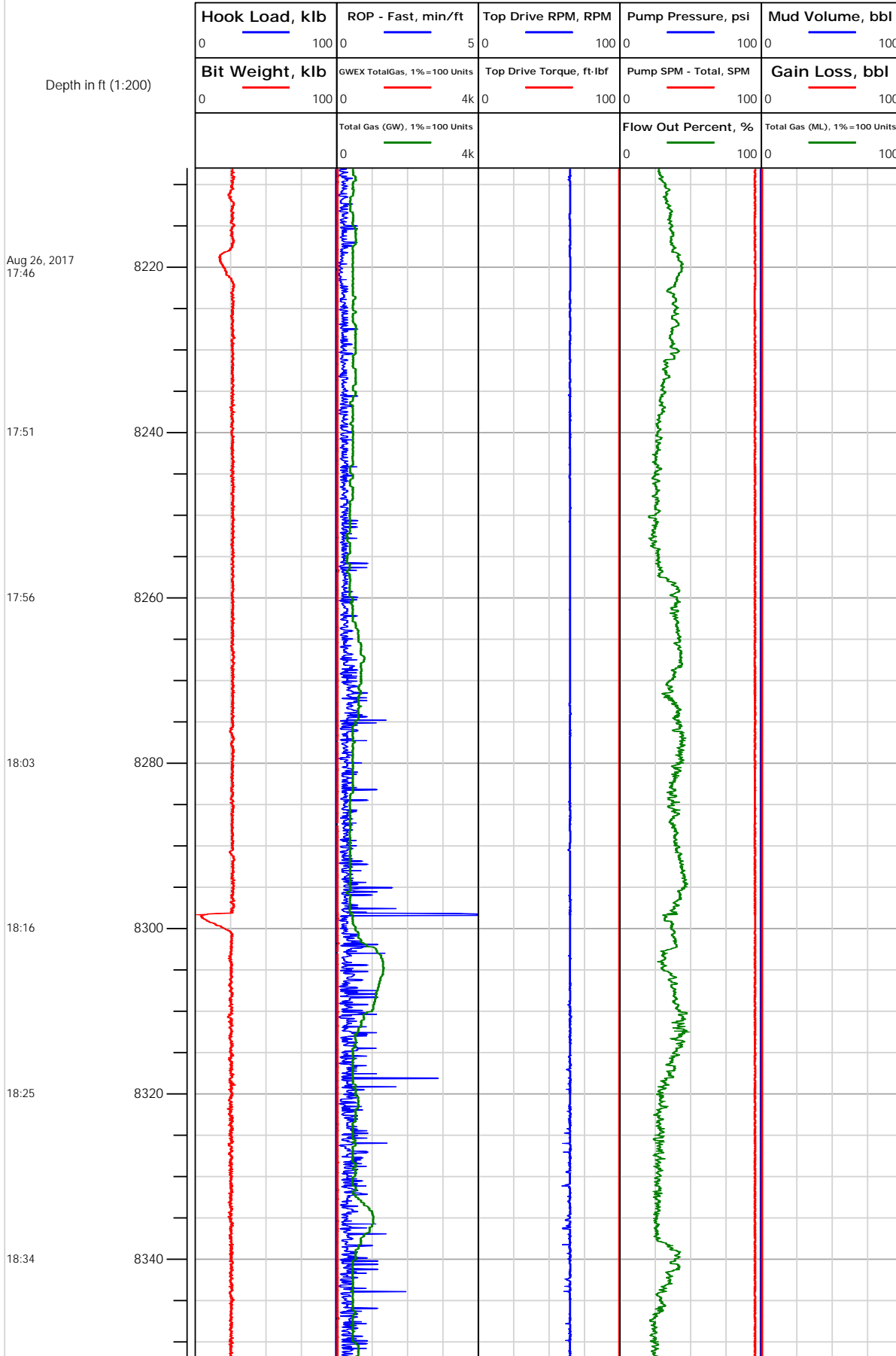
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





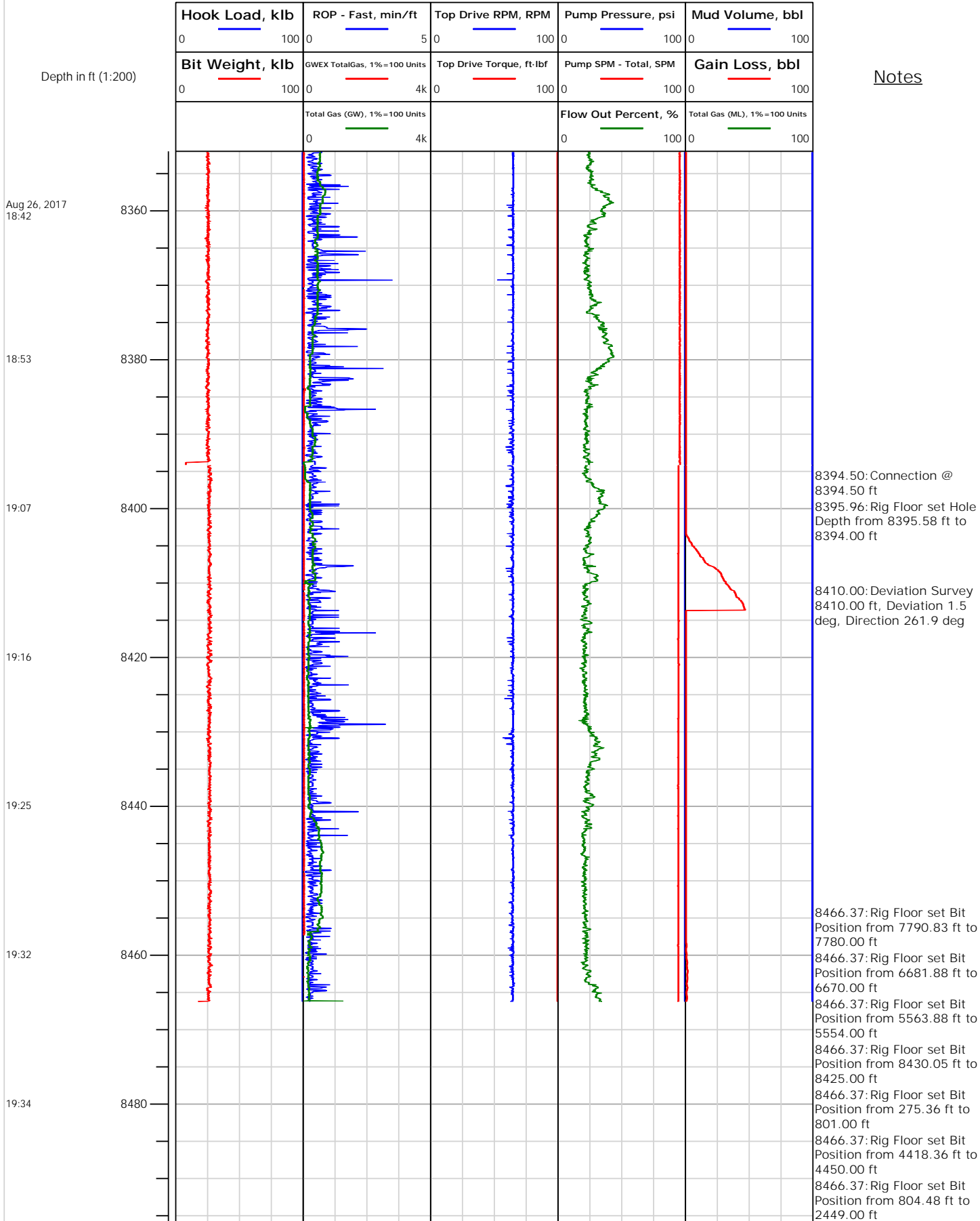
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 19-03E
Rig: 290

Location: E/4 of NW/4

Notes

Depth in ft (1:200)

8500

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	GWEX TotalGas, 1%=100 Units	Top Drive Torque, ft-lbf	Pump SPM - Total, SPM	Gain Loss, bbl
0 100	0 4k	0 100	0 100	0 100
	Total Gas (GW), 1%=100 Units		Flow Out Percent, %	Total Gas (ML), 1%=100 Units
	0 4k		0 100	0 100