

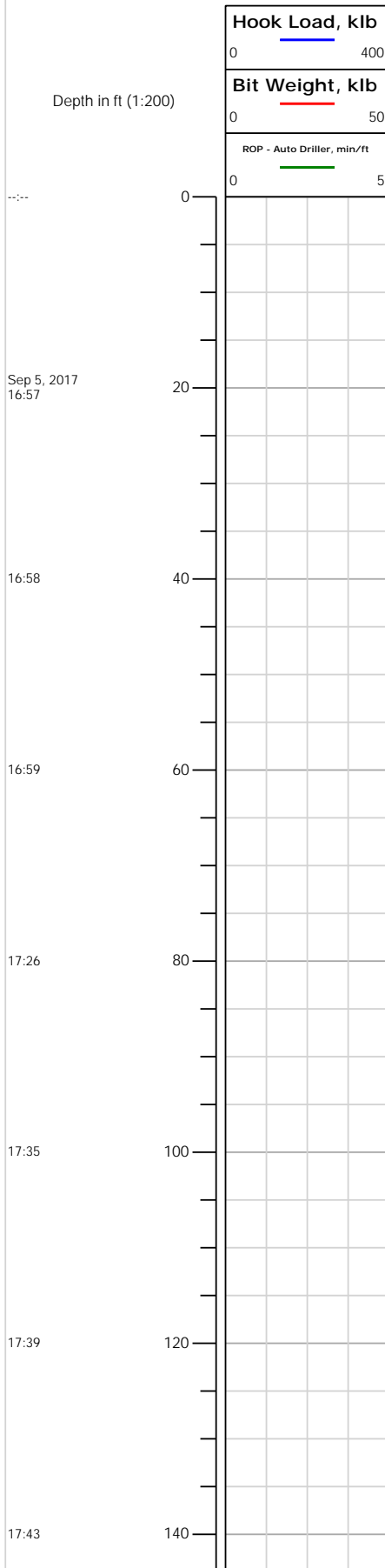


Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BRUTON 30-04W
Rig: 522

Location:





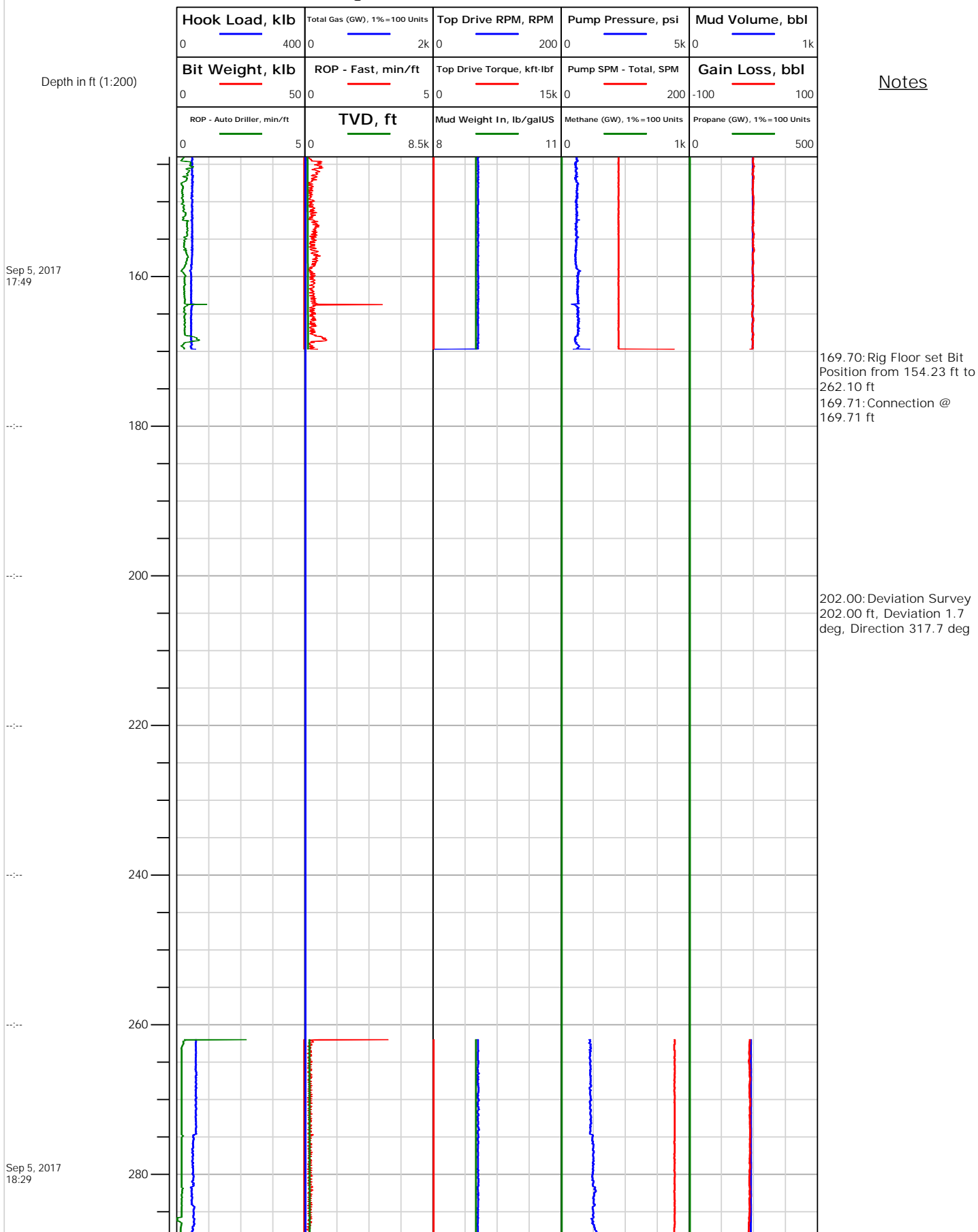
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





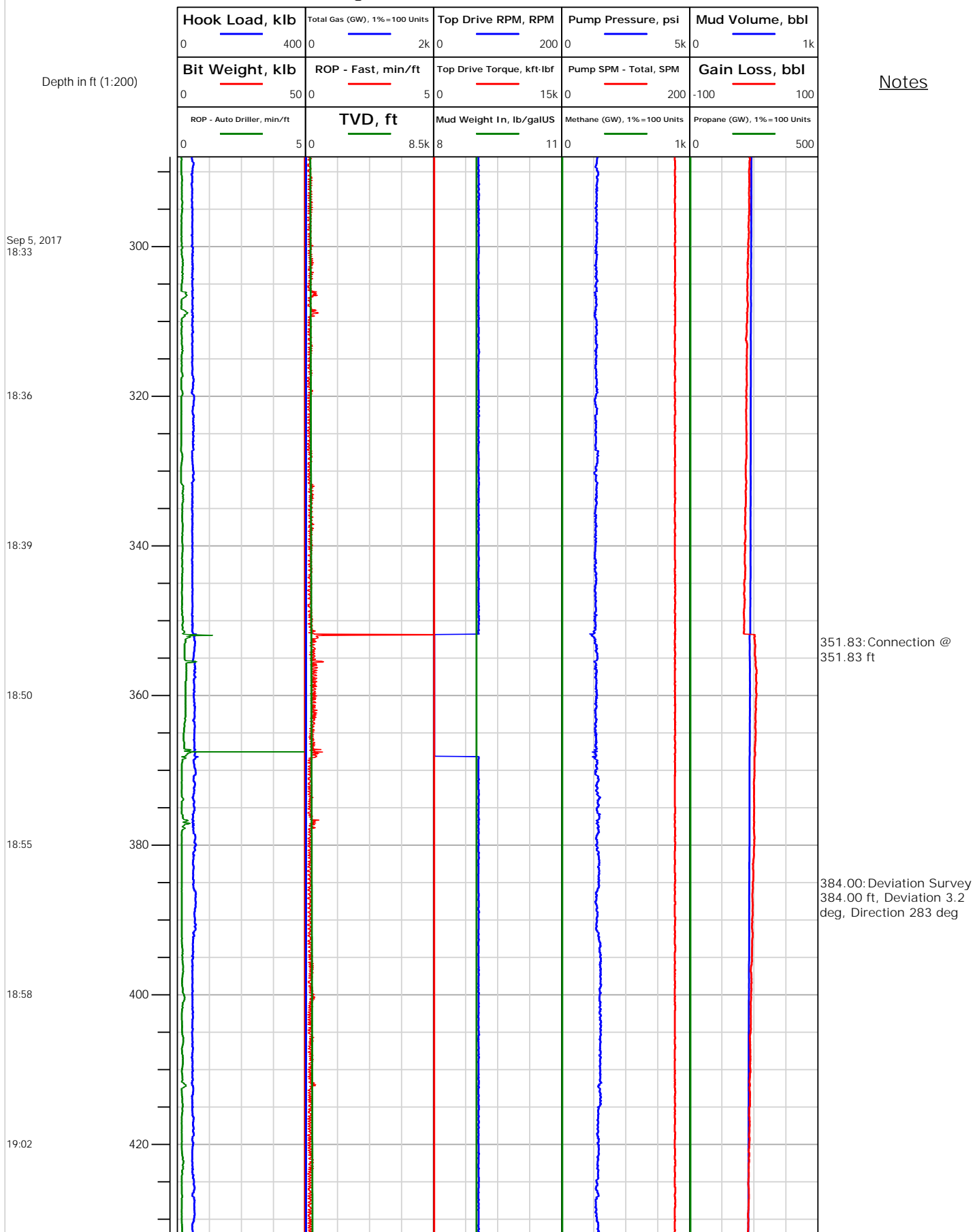
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





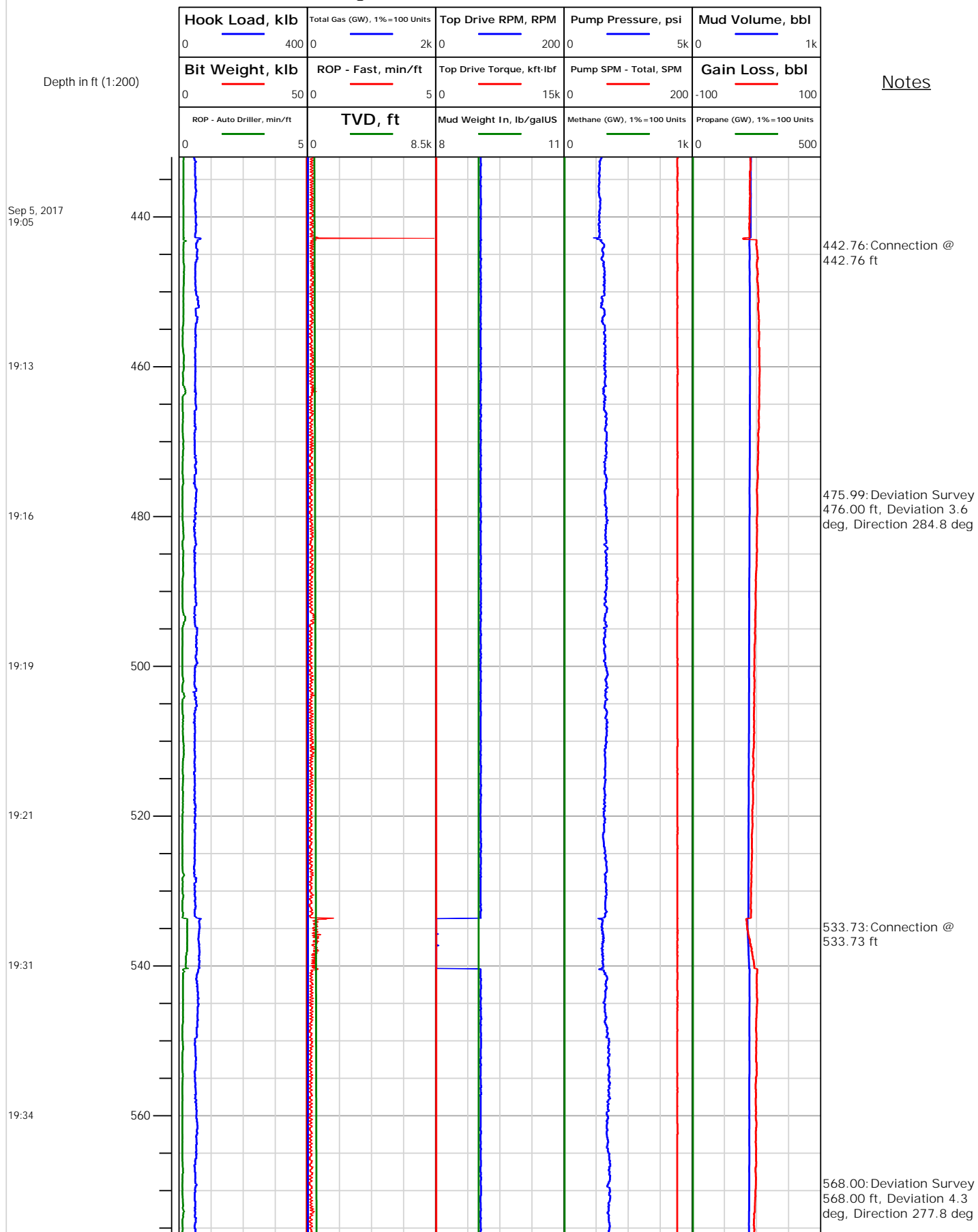
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





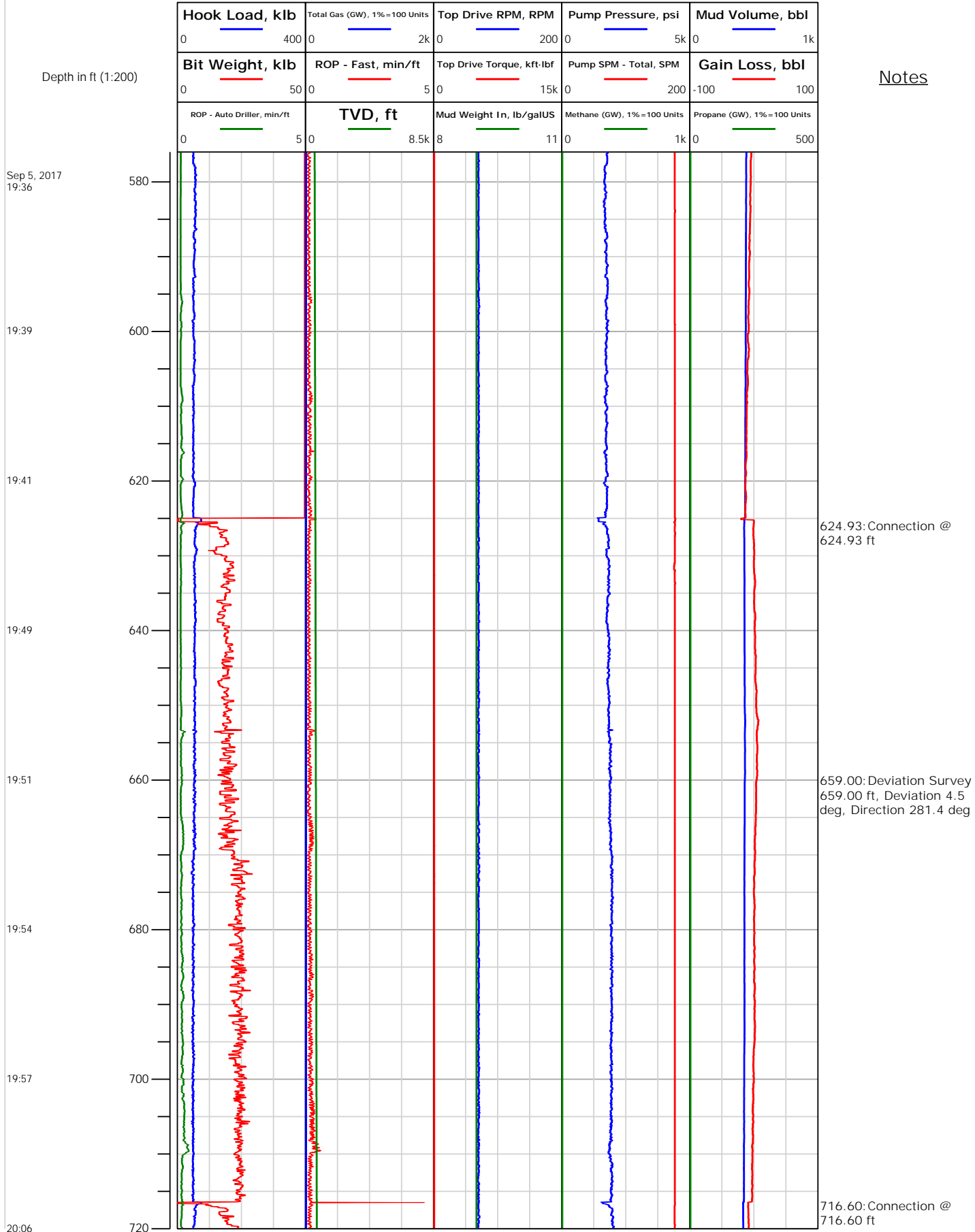
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





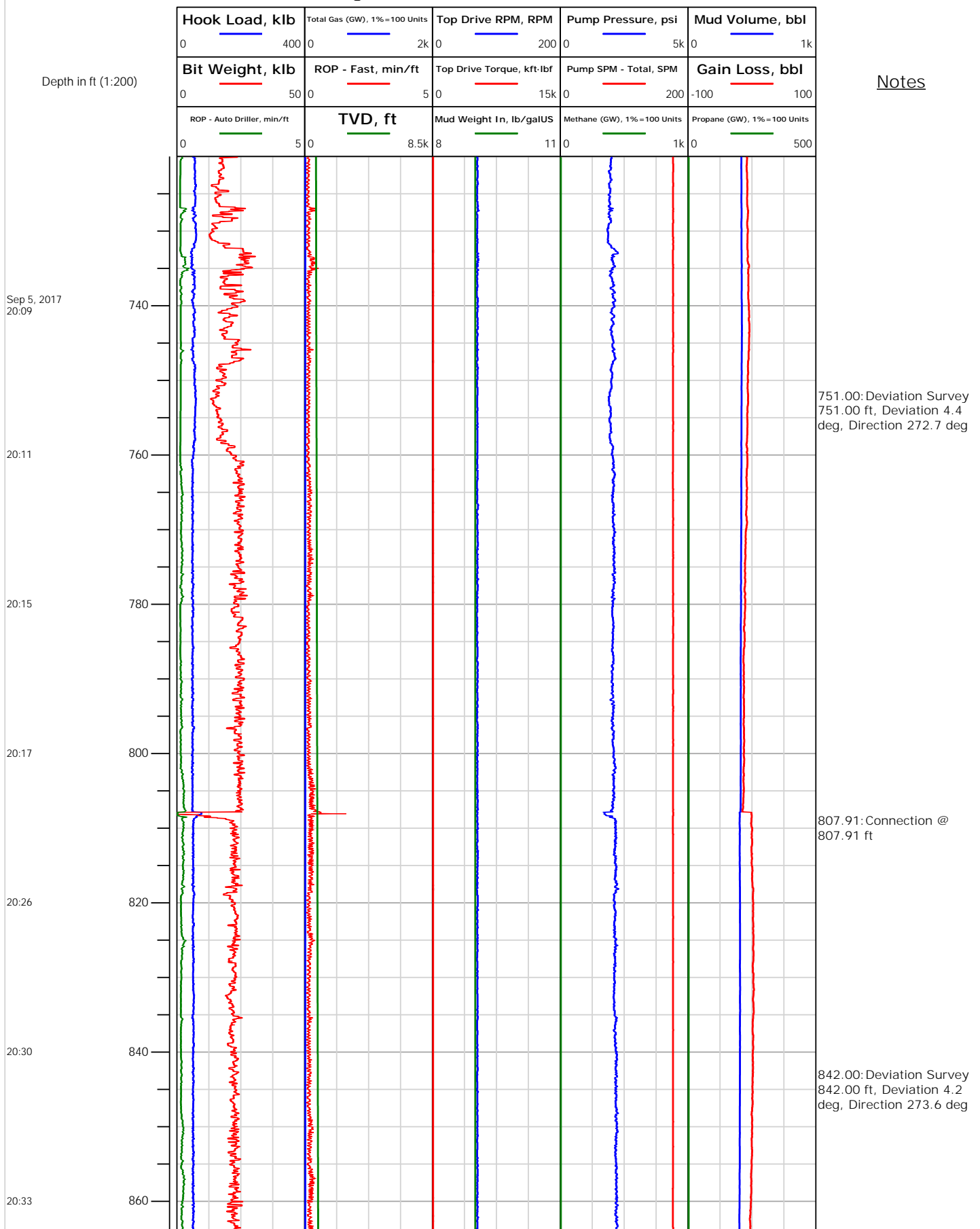
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes

Depth in ft (1:200)

Sep 5, 2017
20:36

20:45

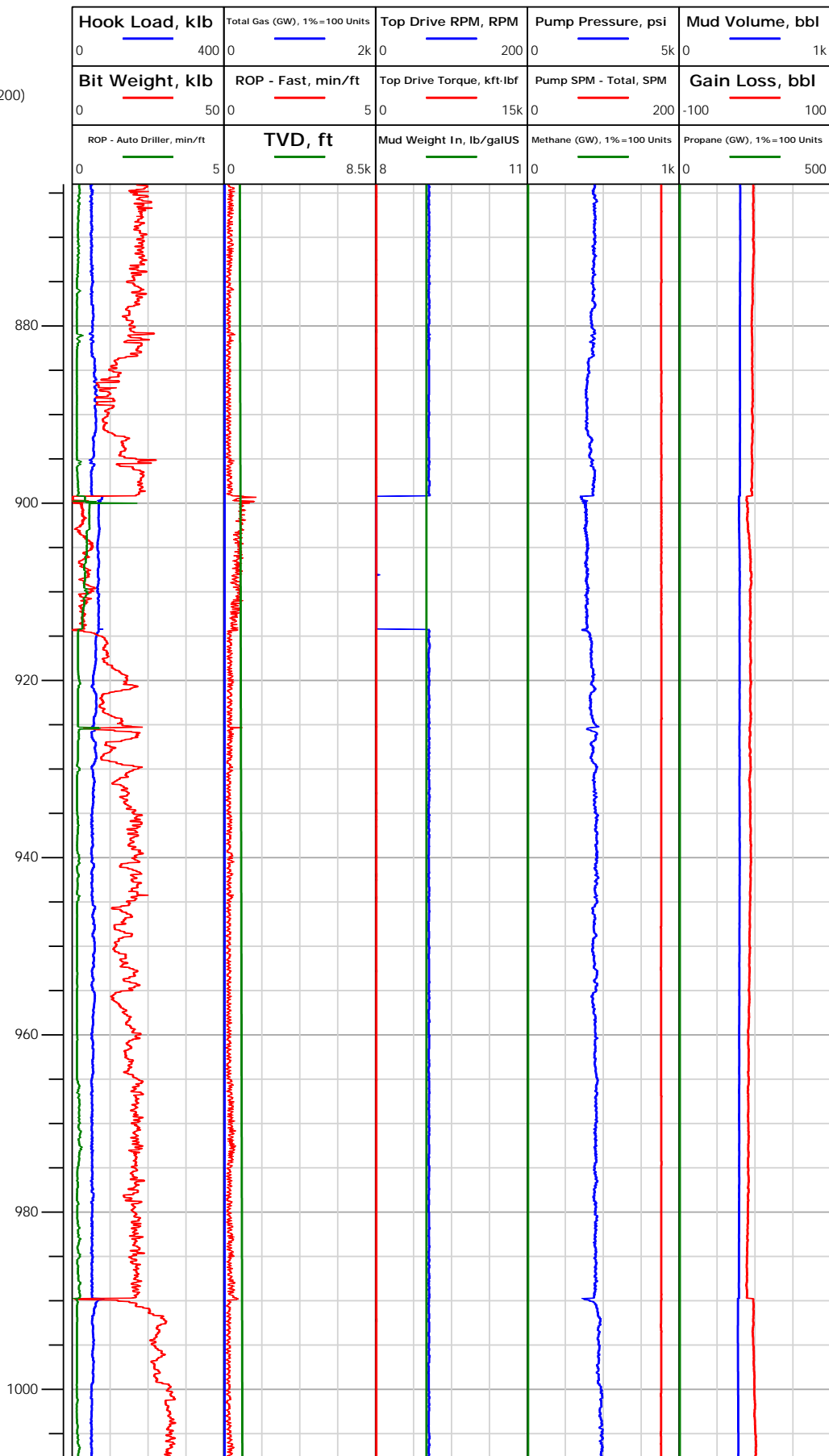
20:54

20:57

21:00

21:03

21:12





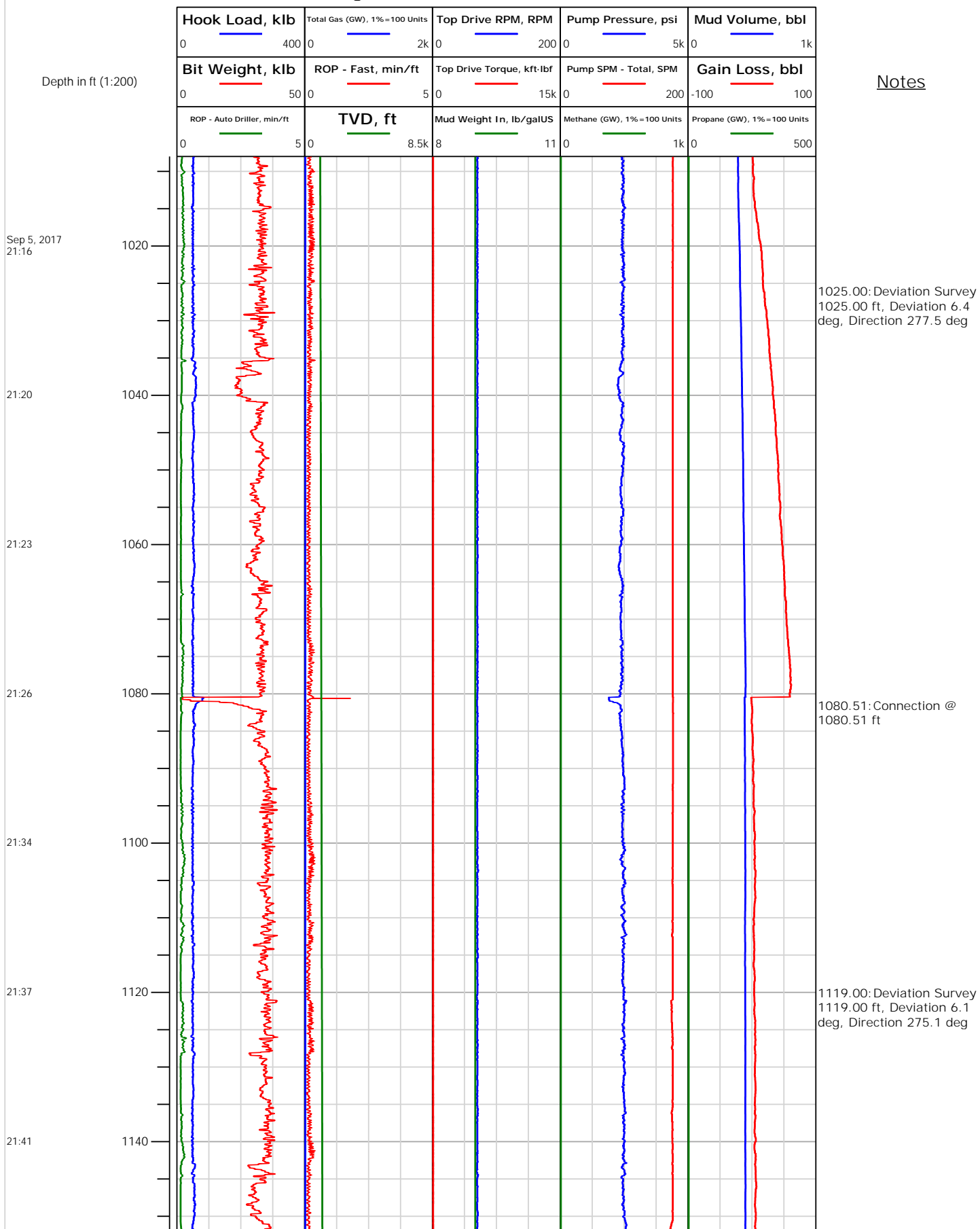
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





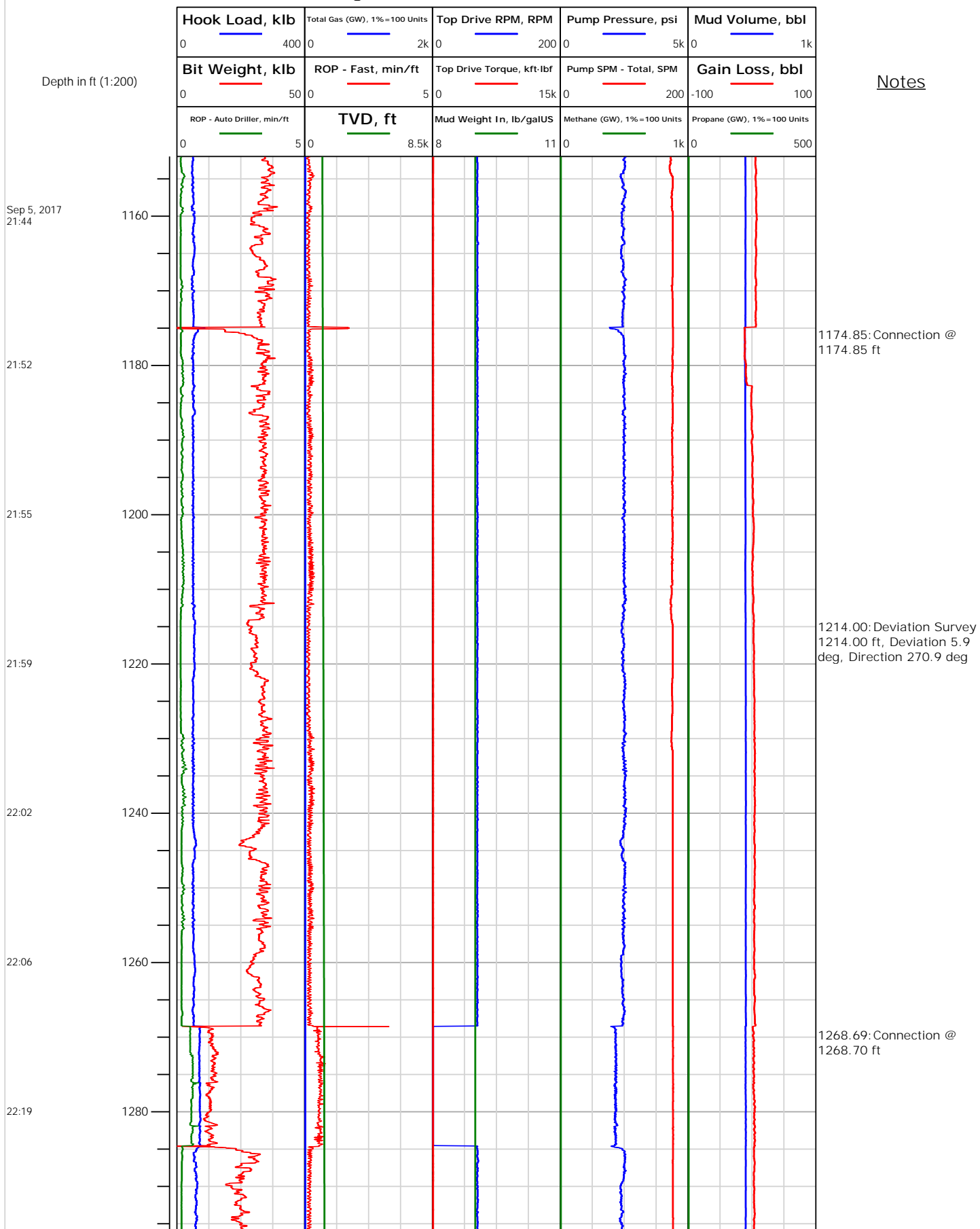
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





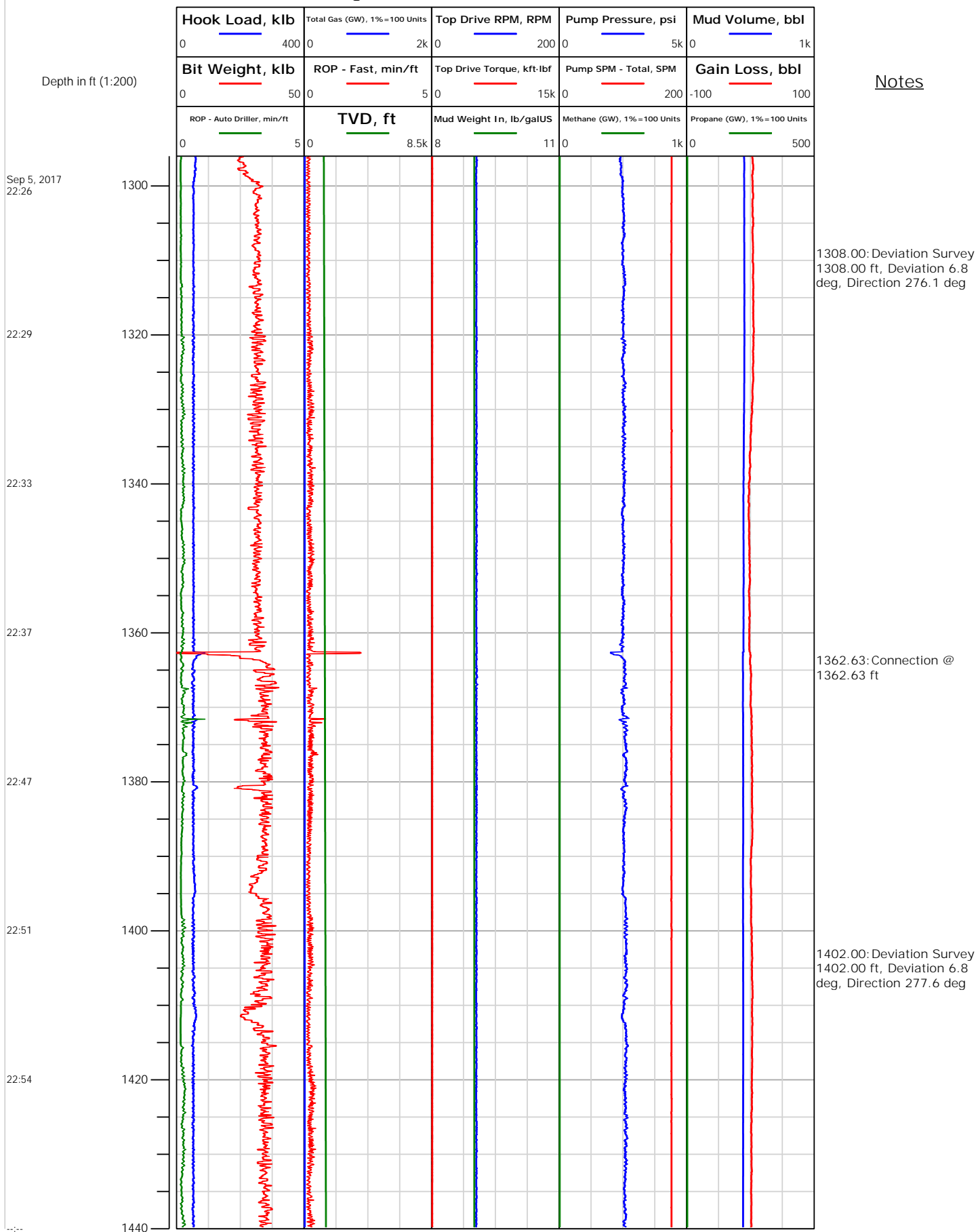
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





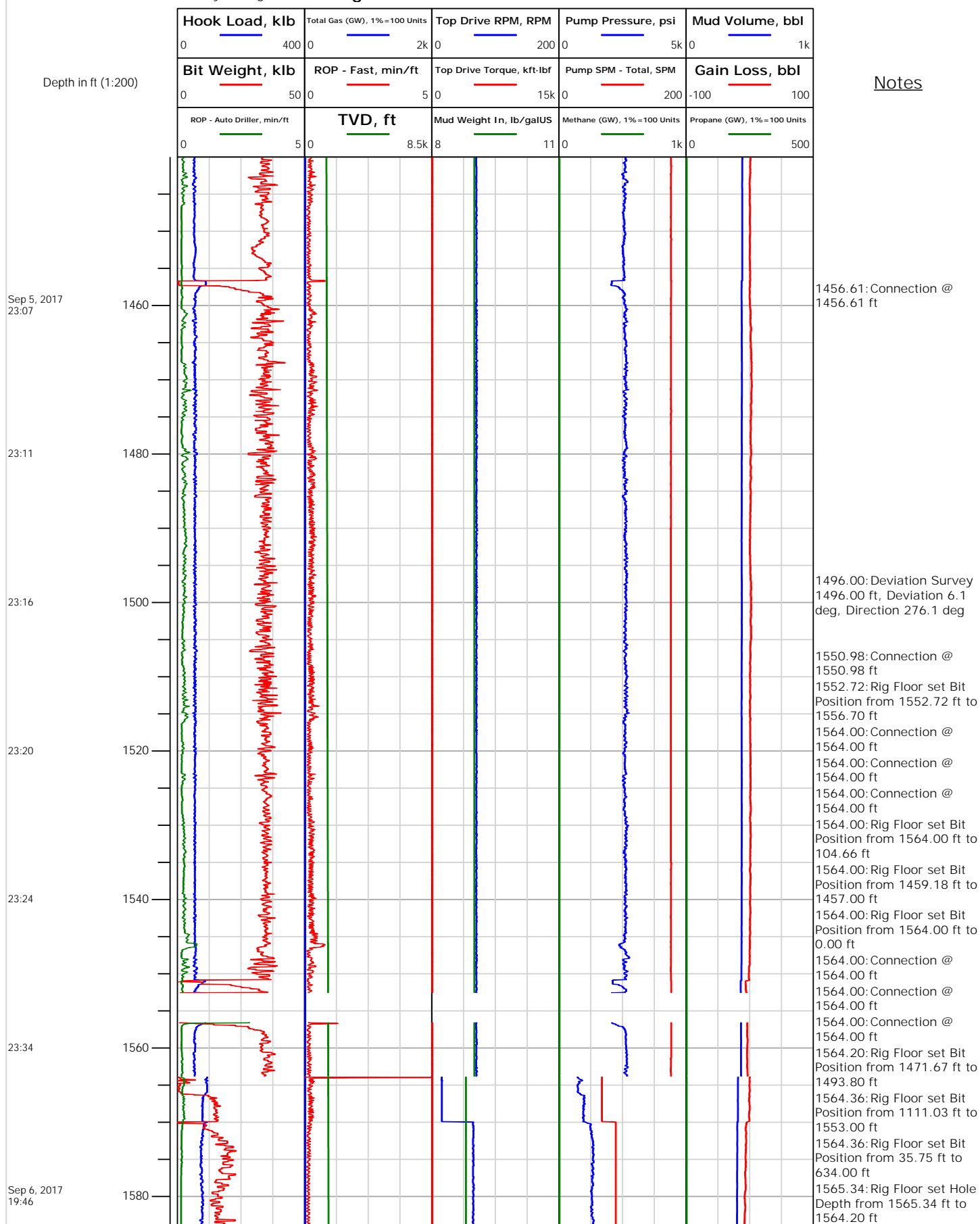
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





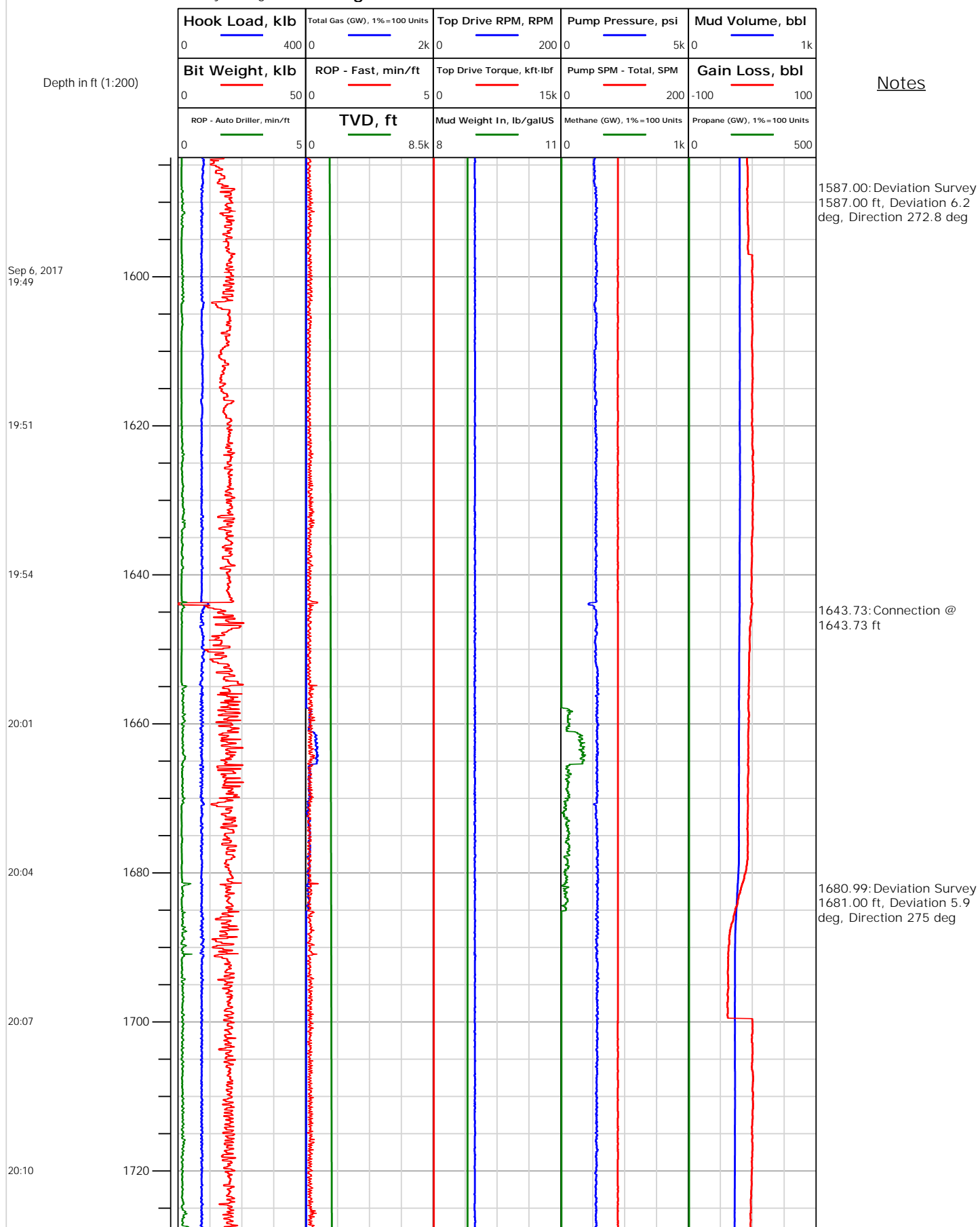
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





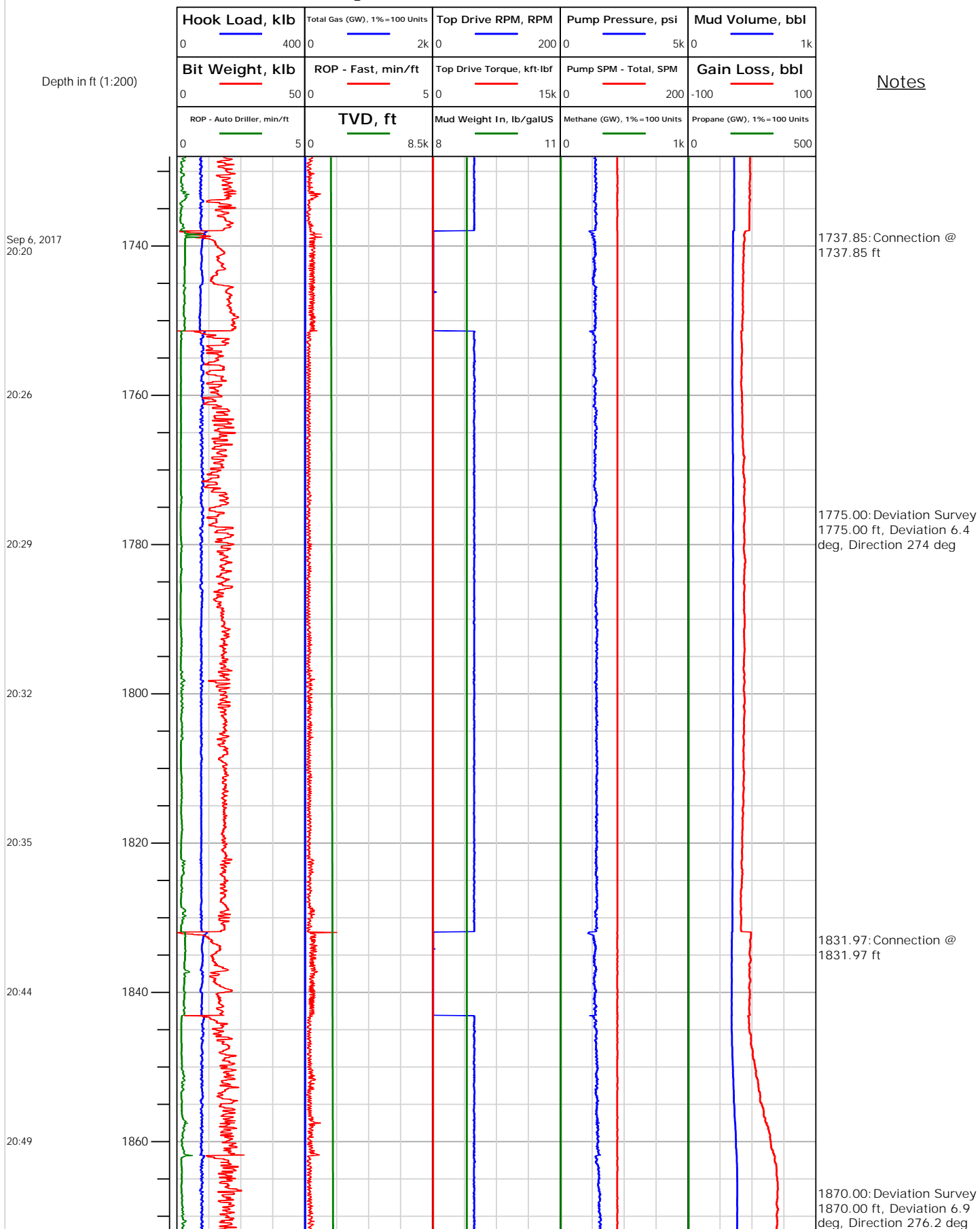
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





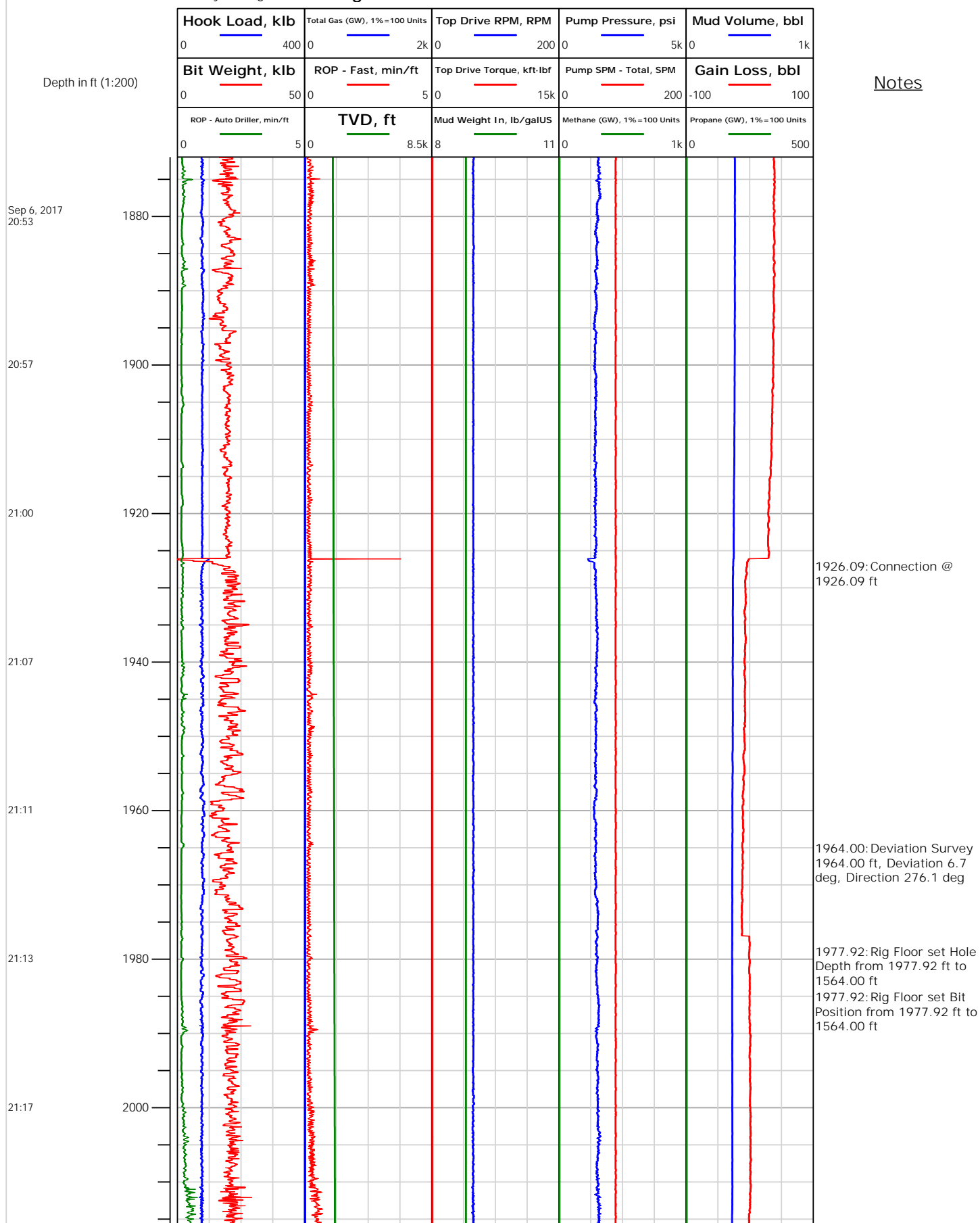
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





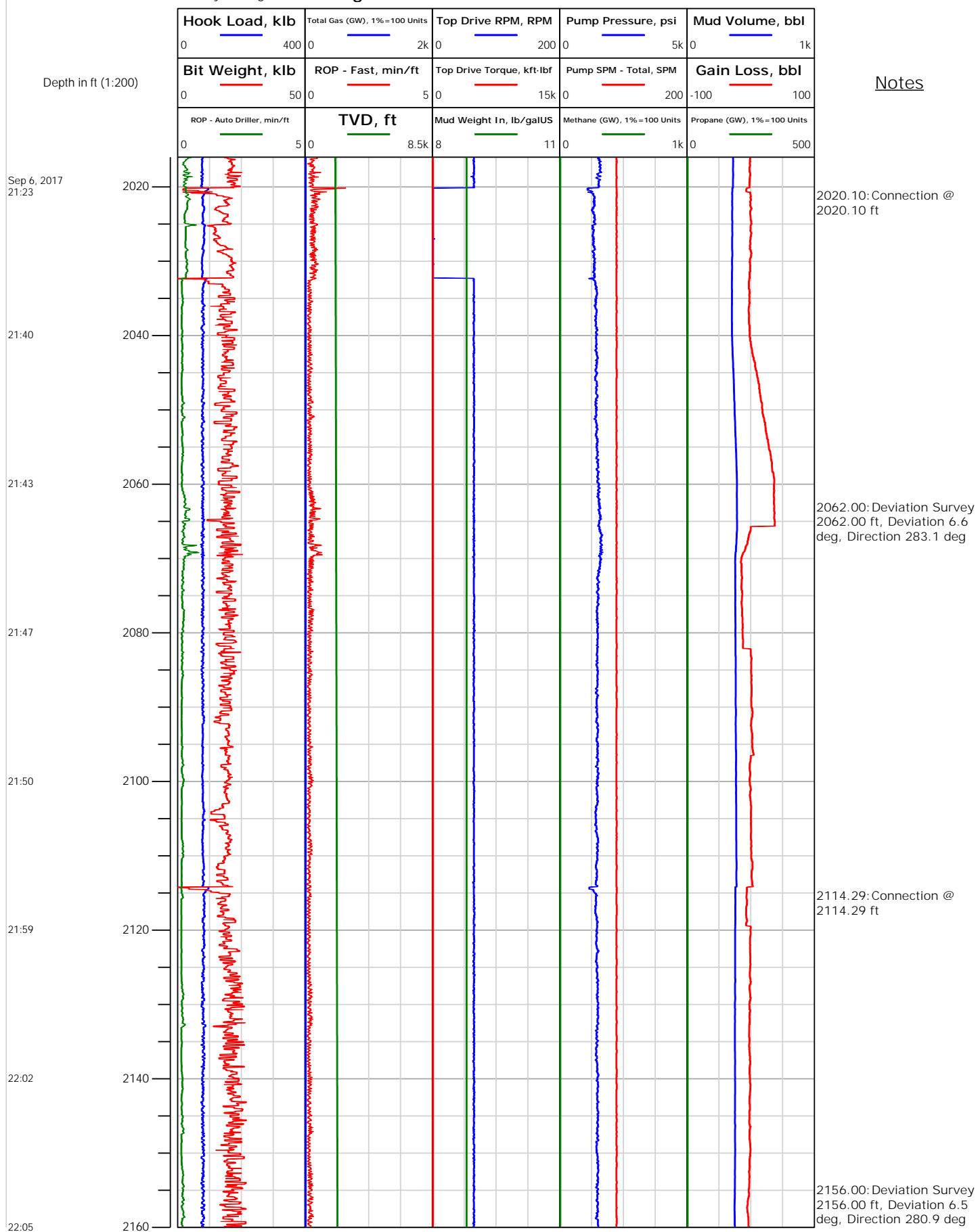
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





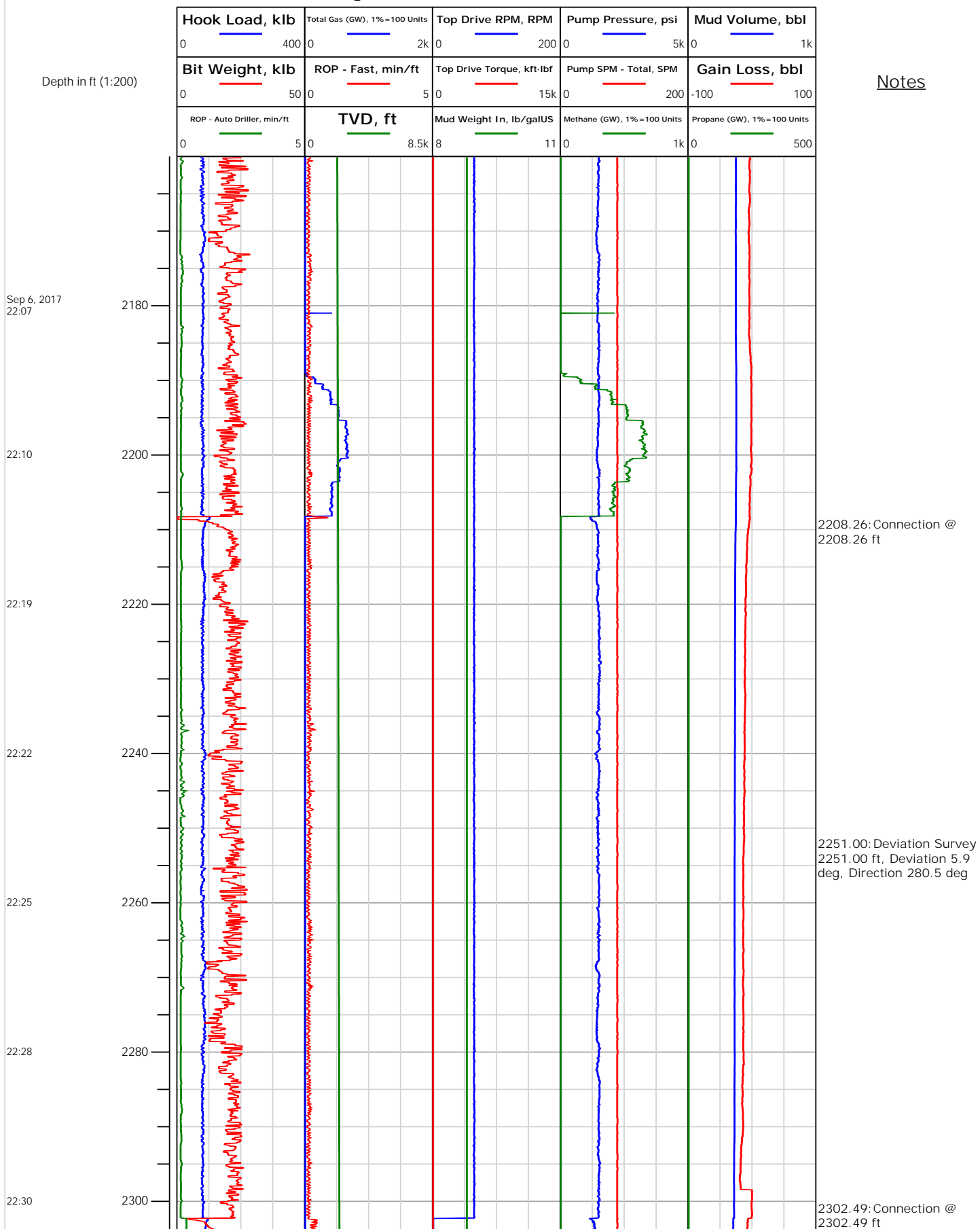
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





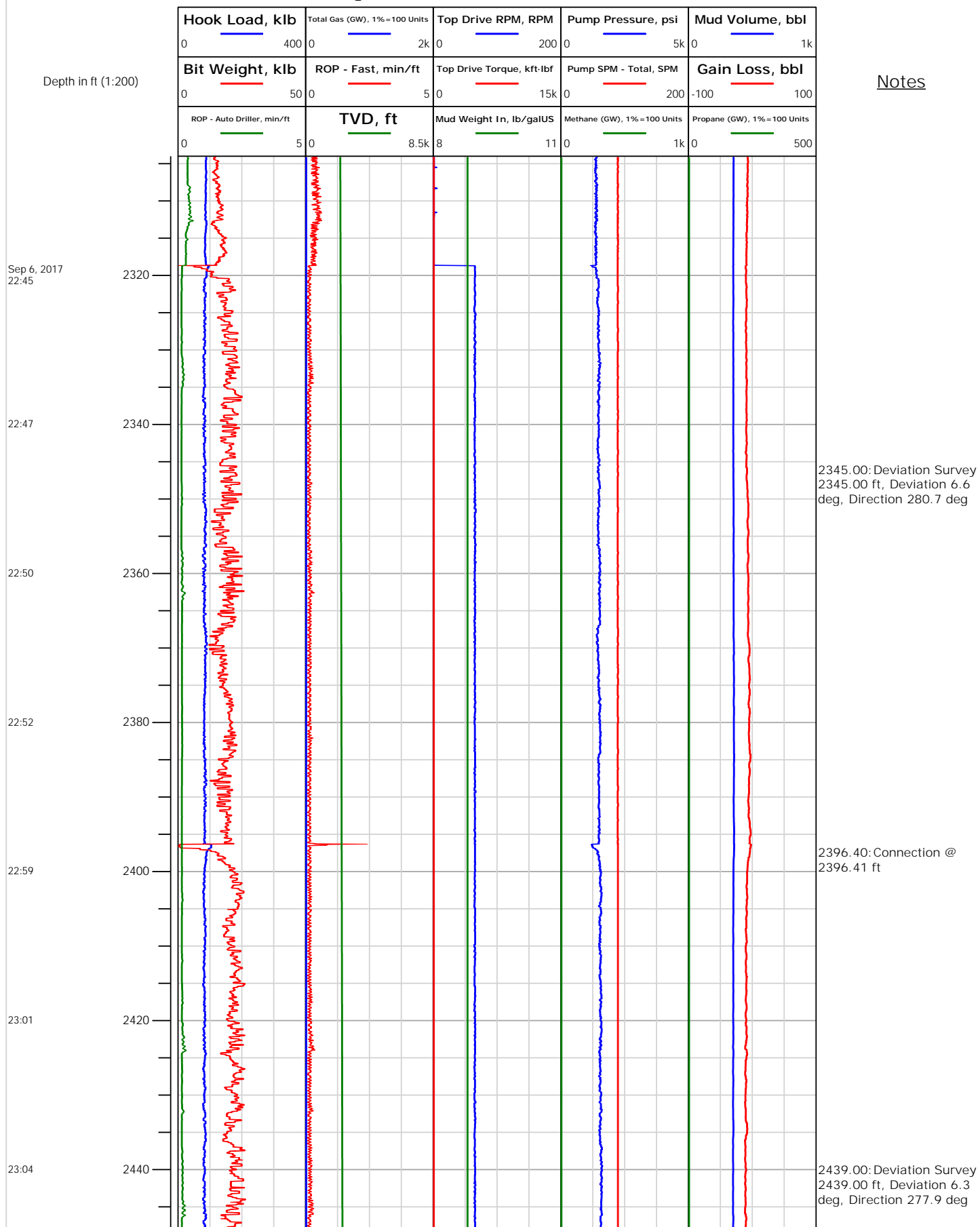
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





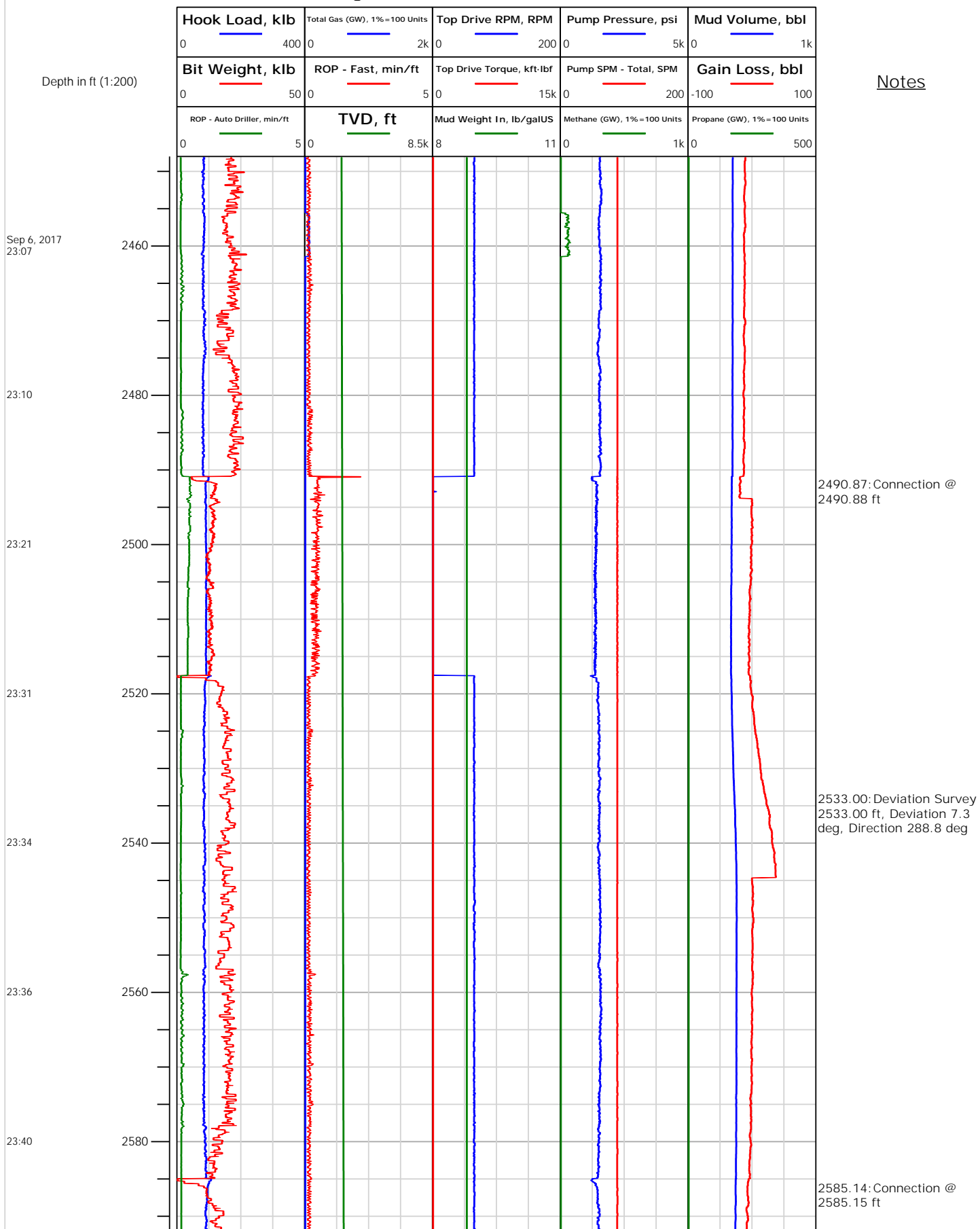
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





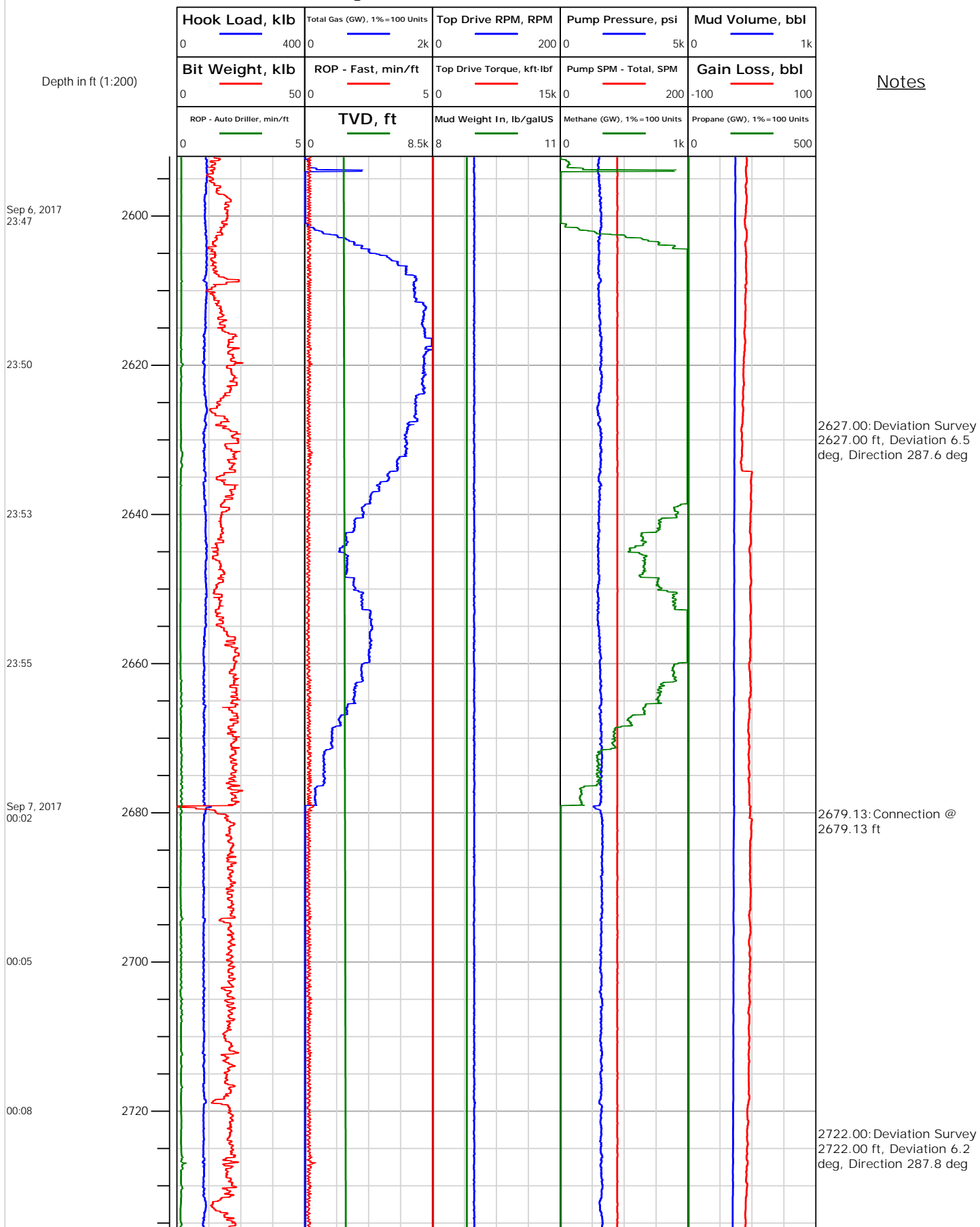
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





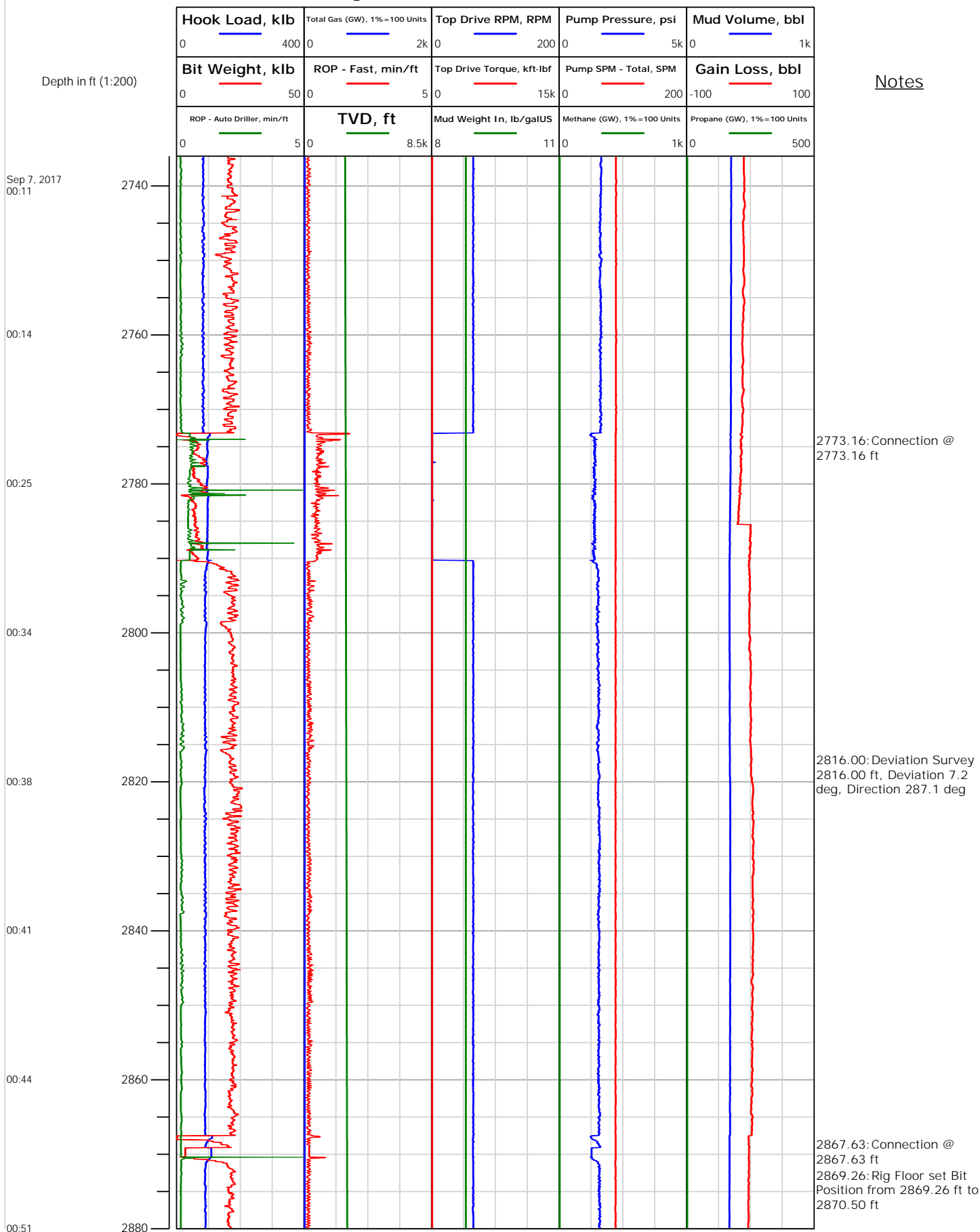
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





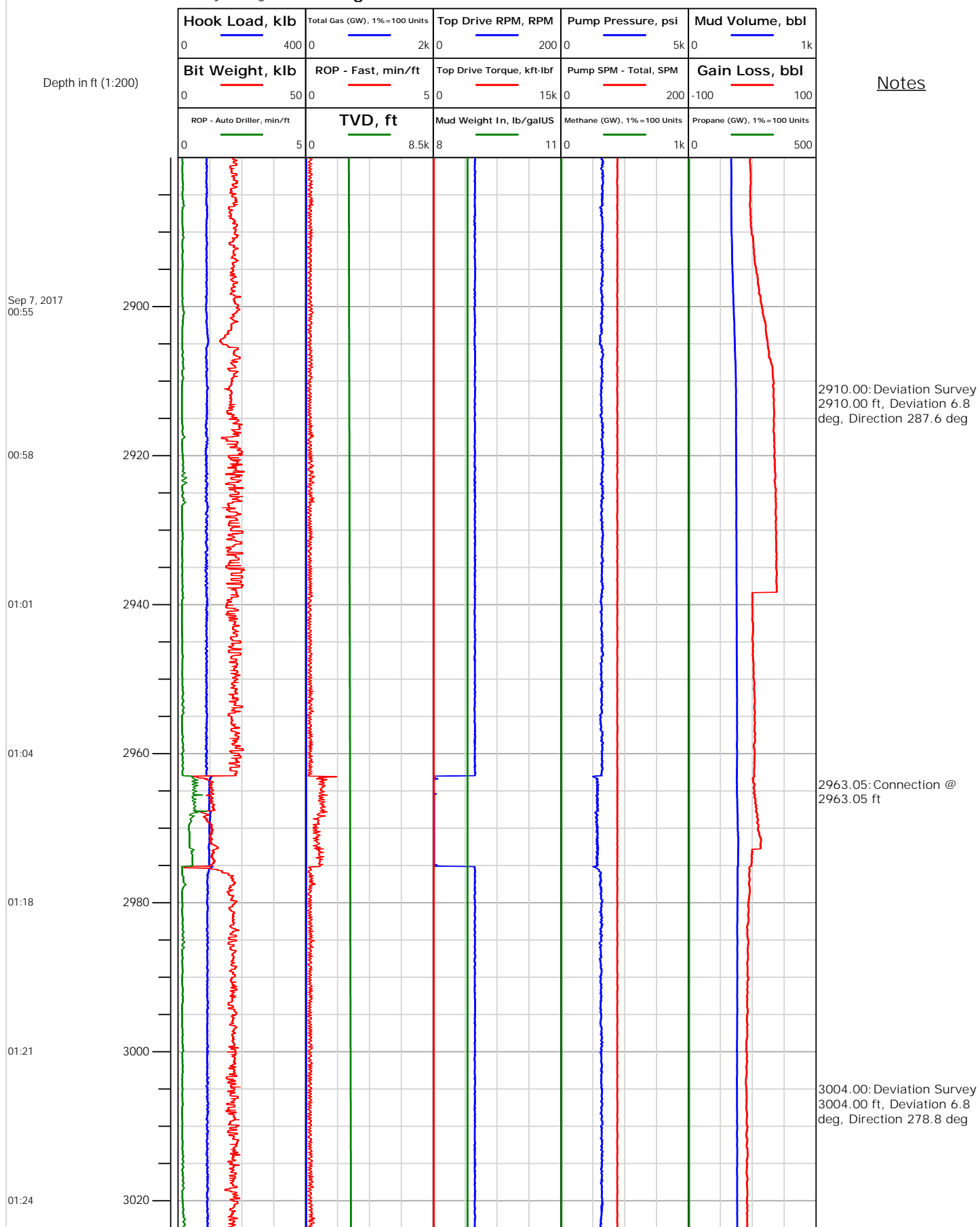
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





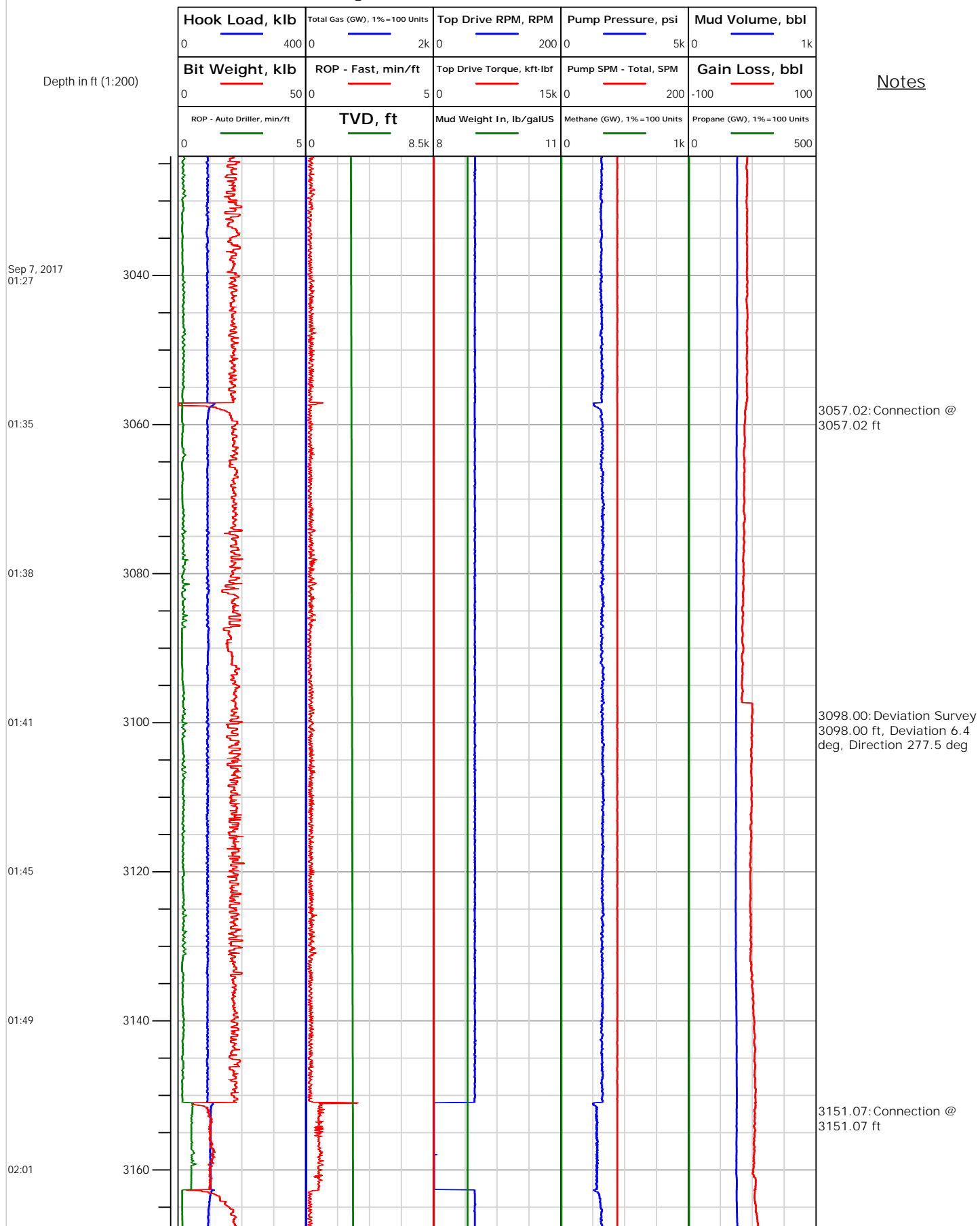
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





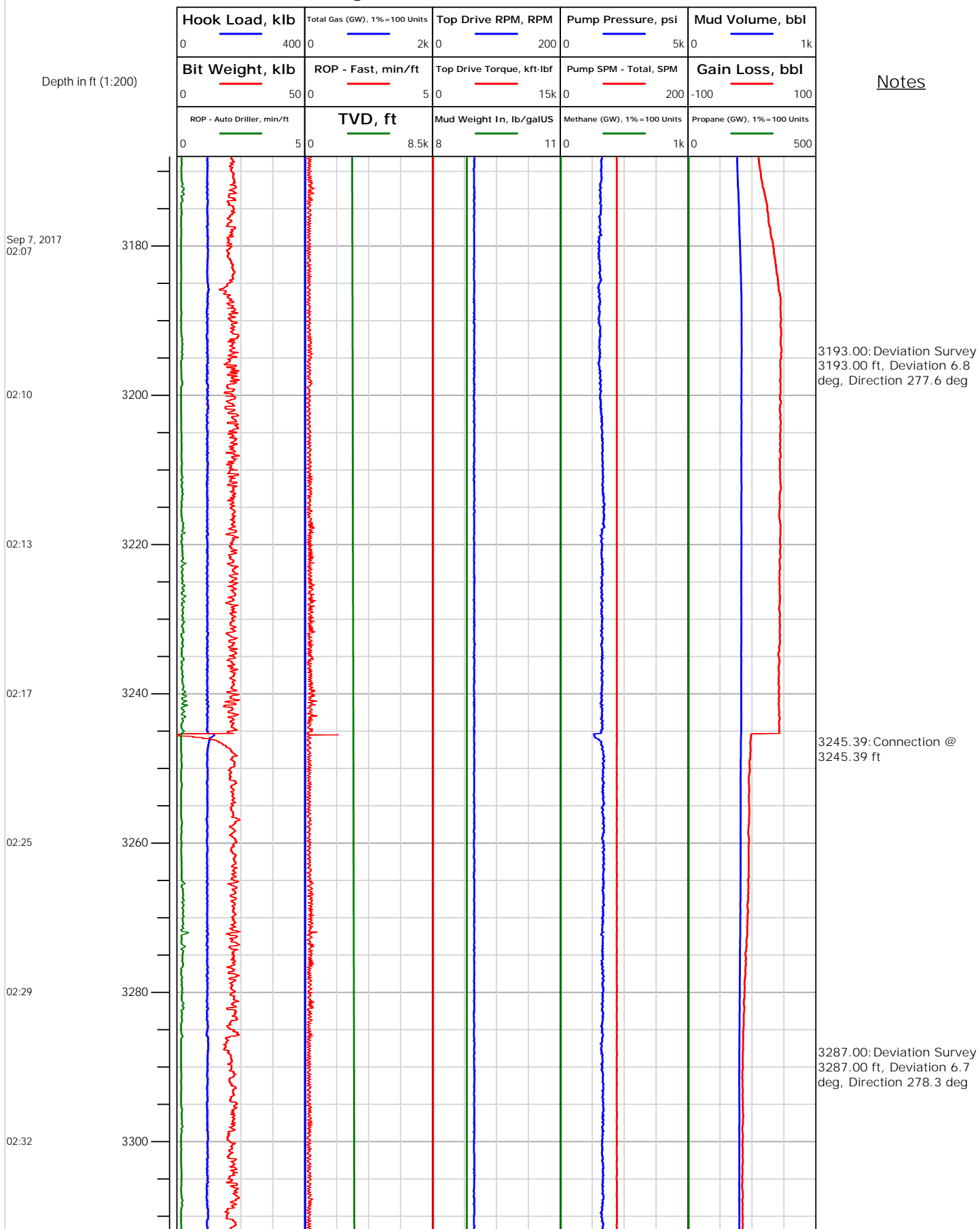
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





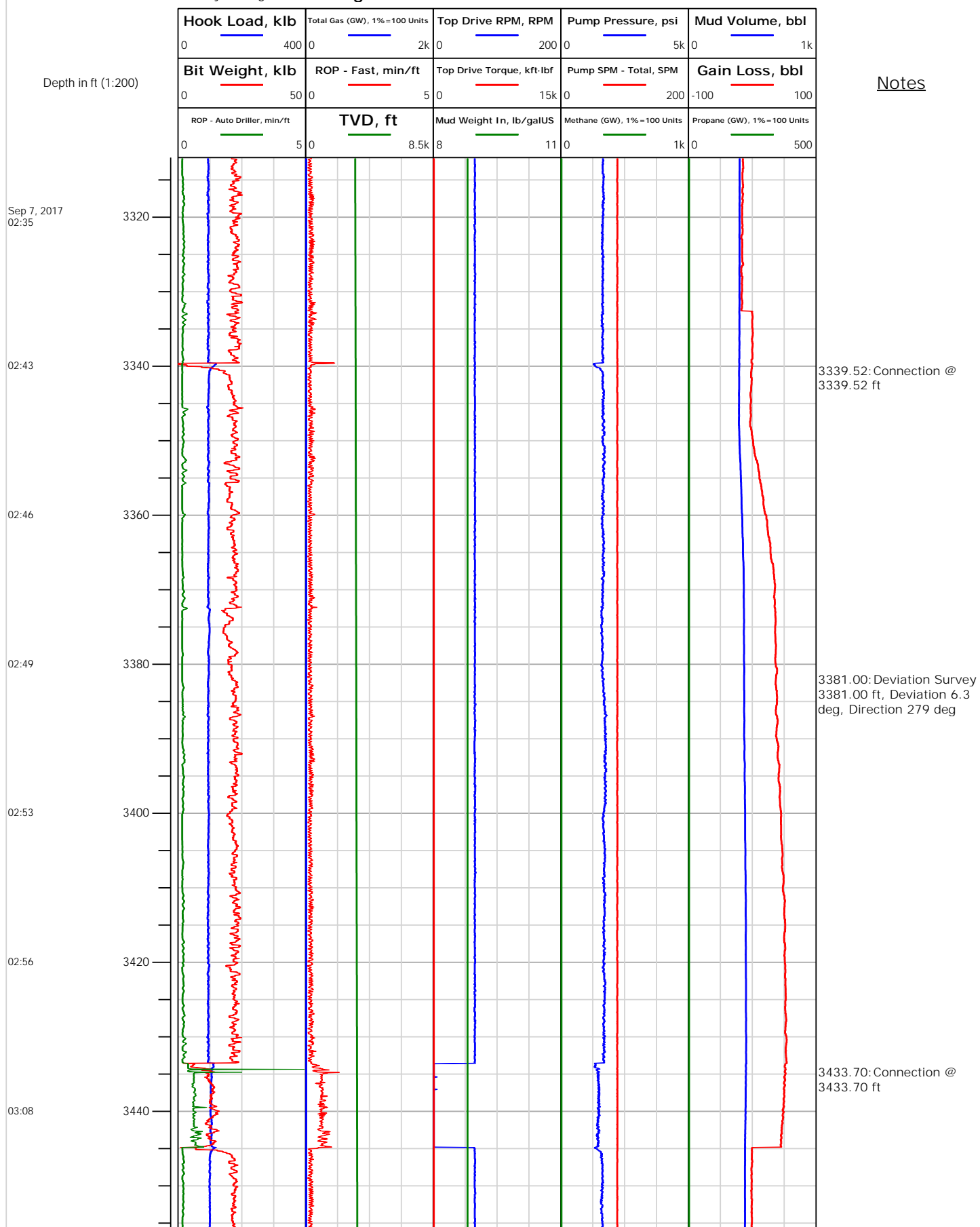
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





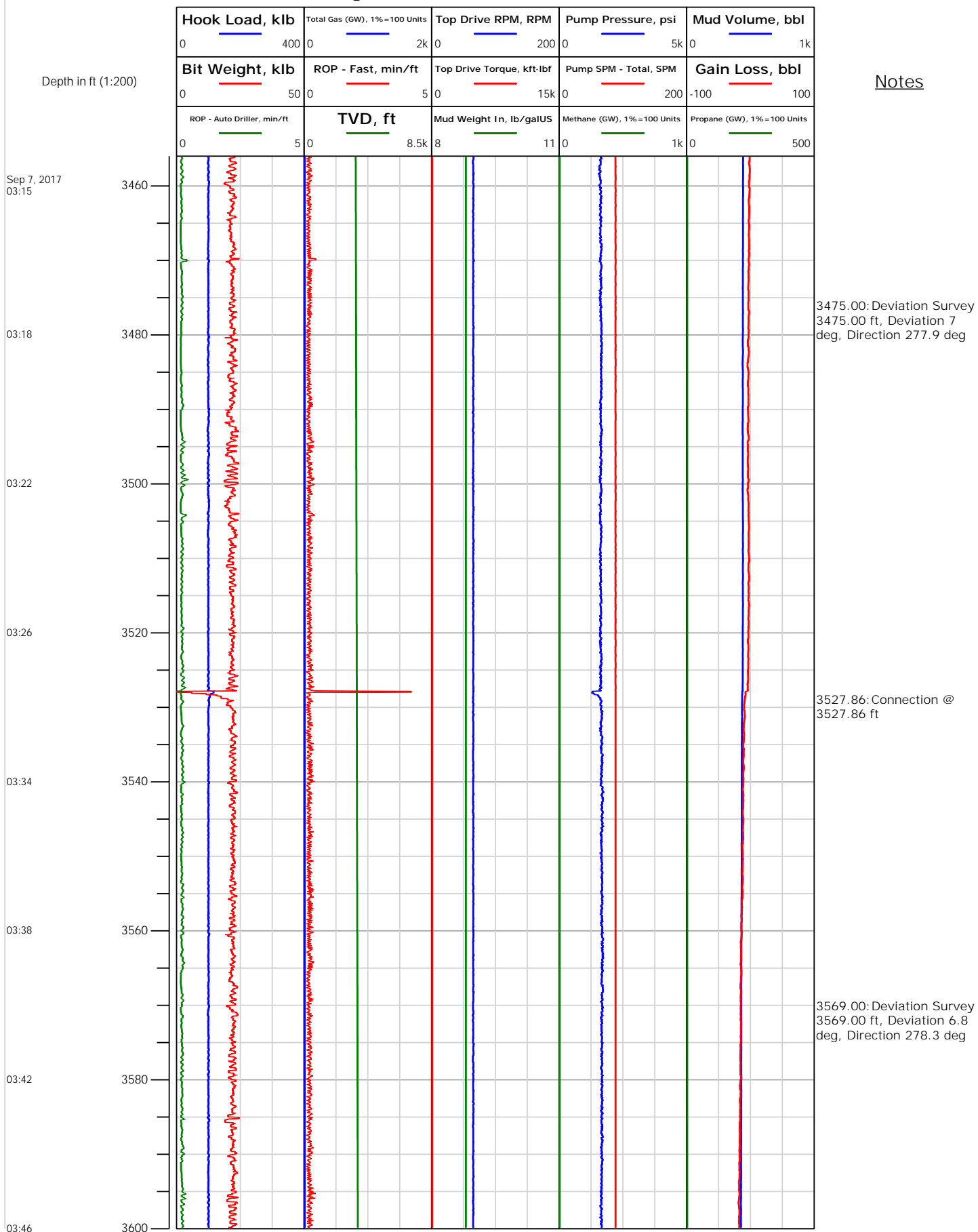
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





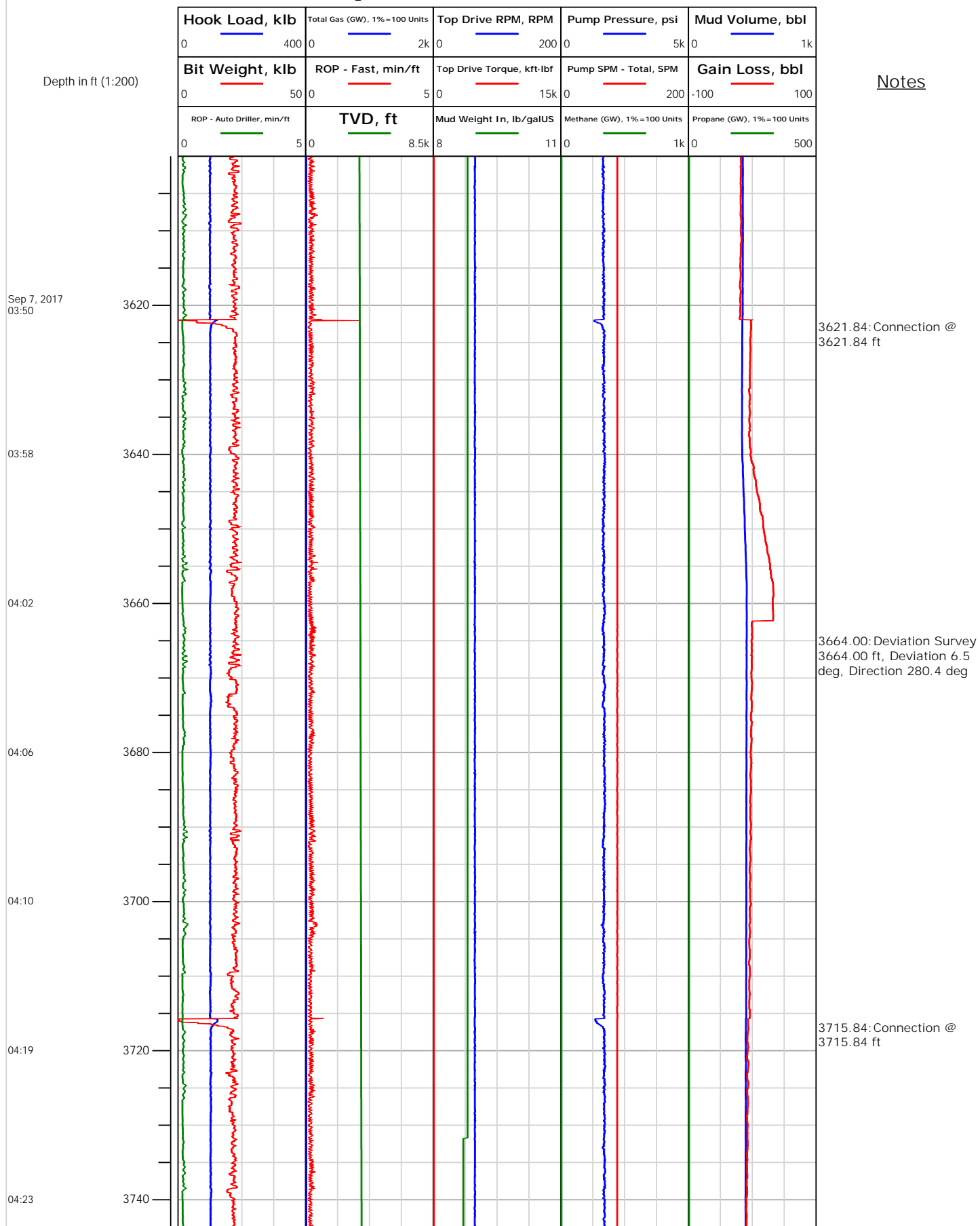
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





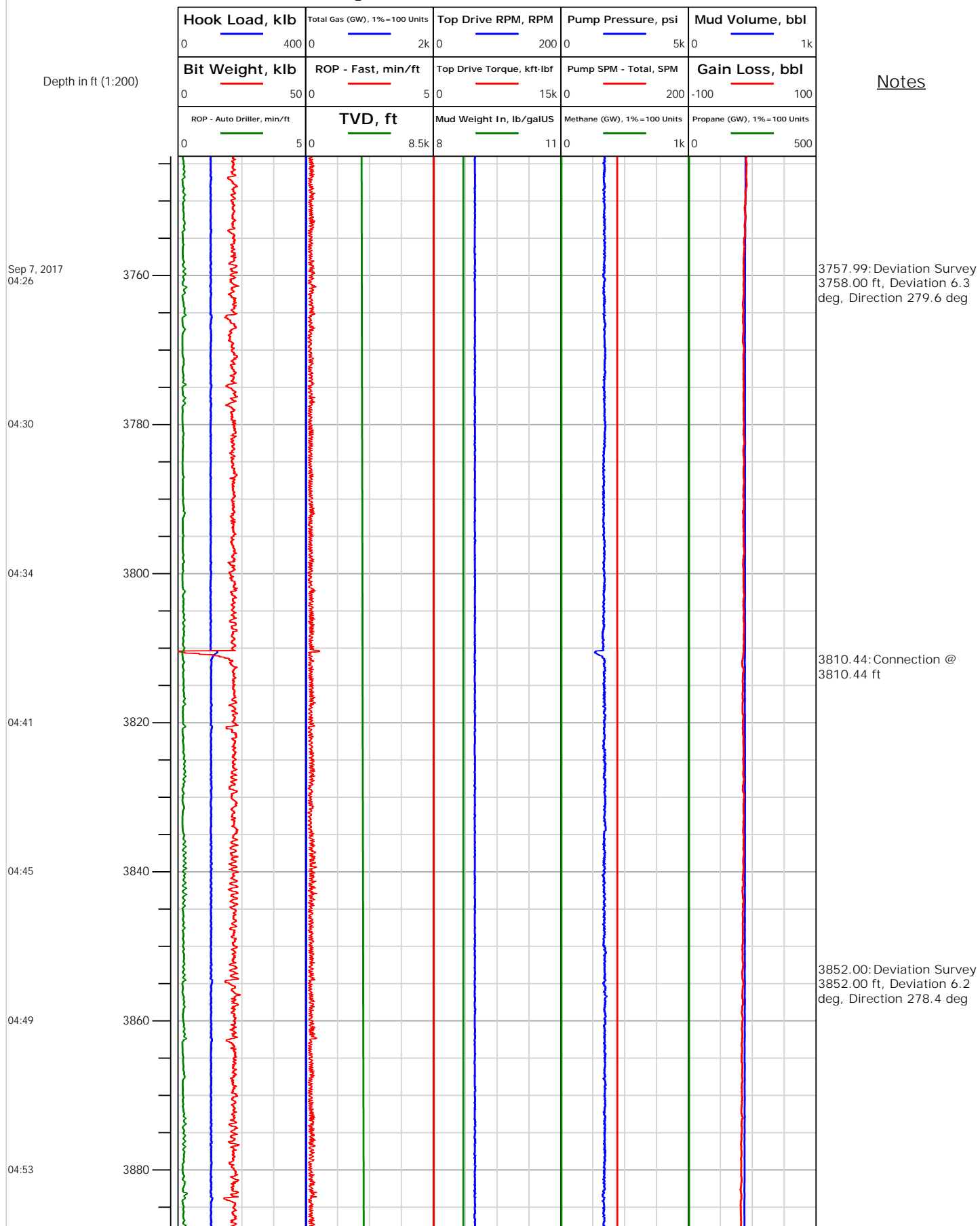
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





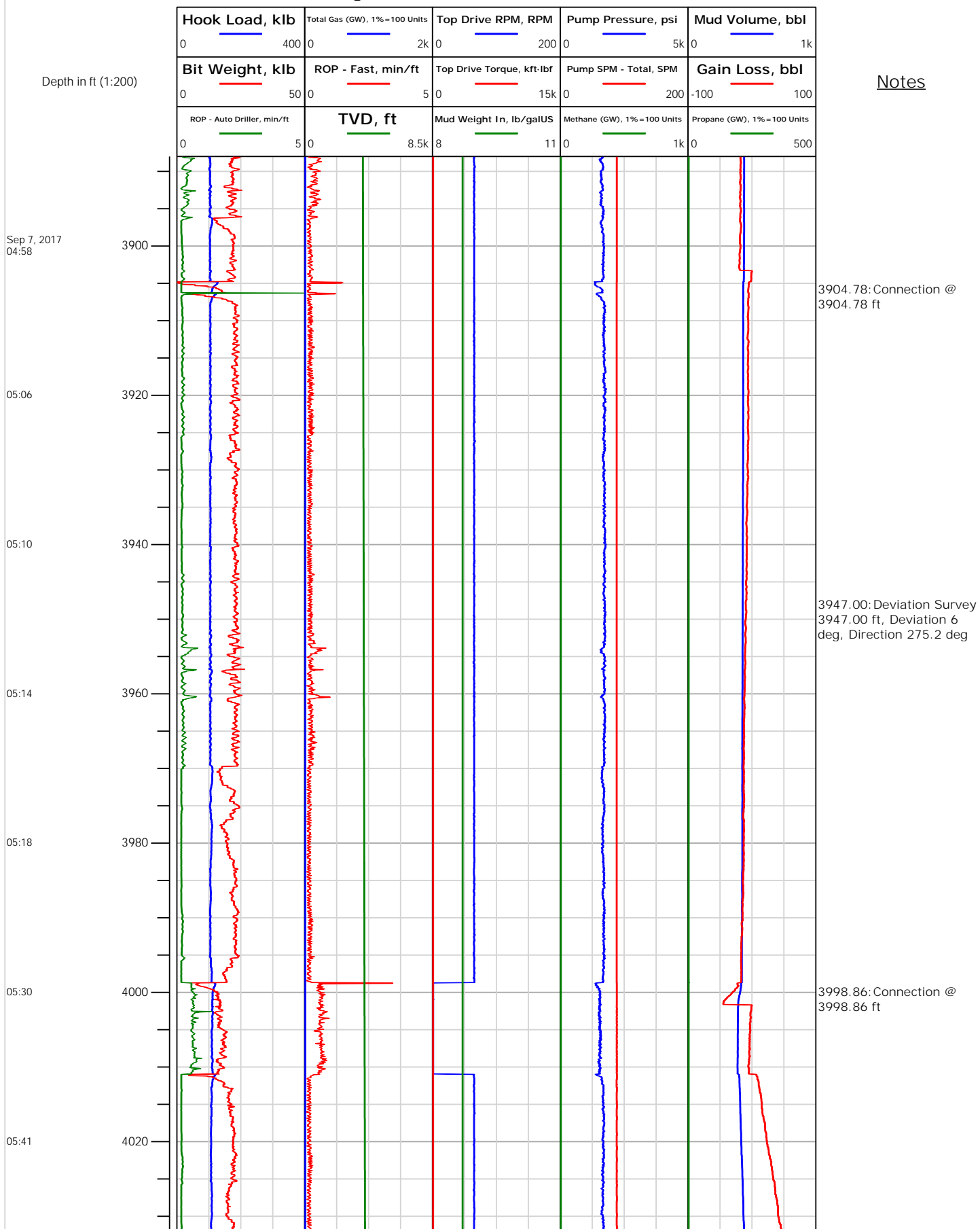
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





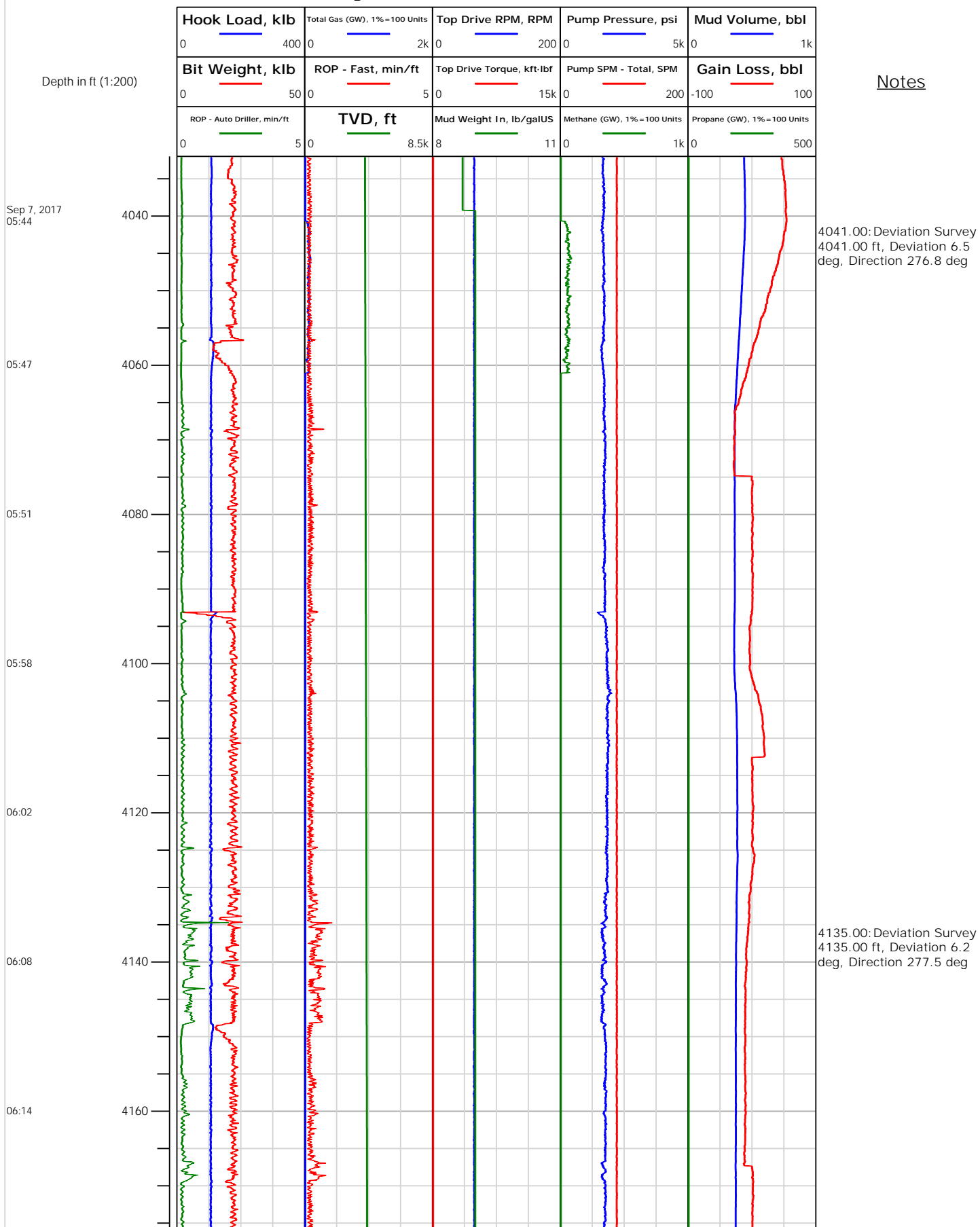
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





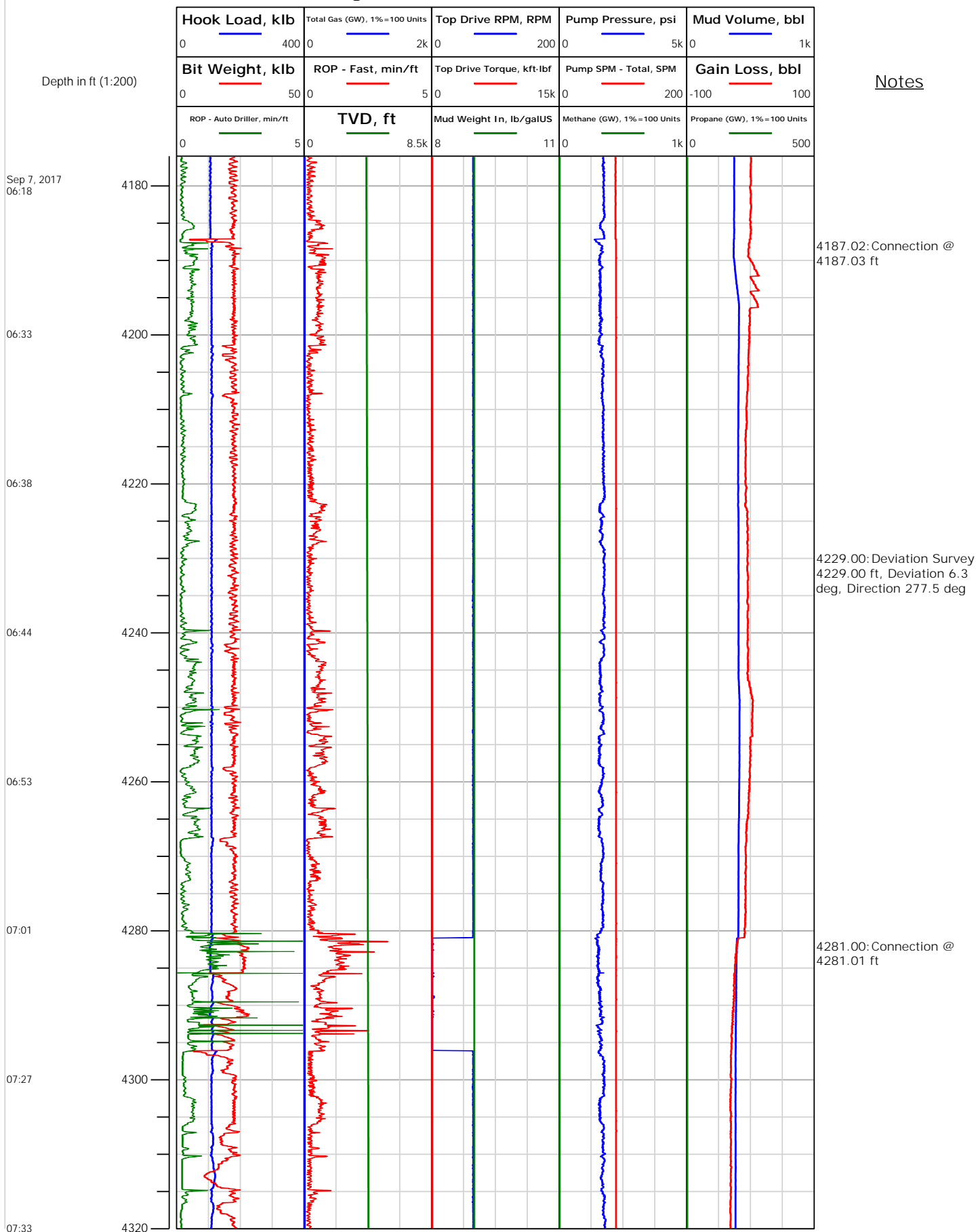
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





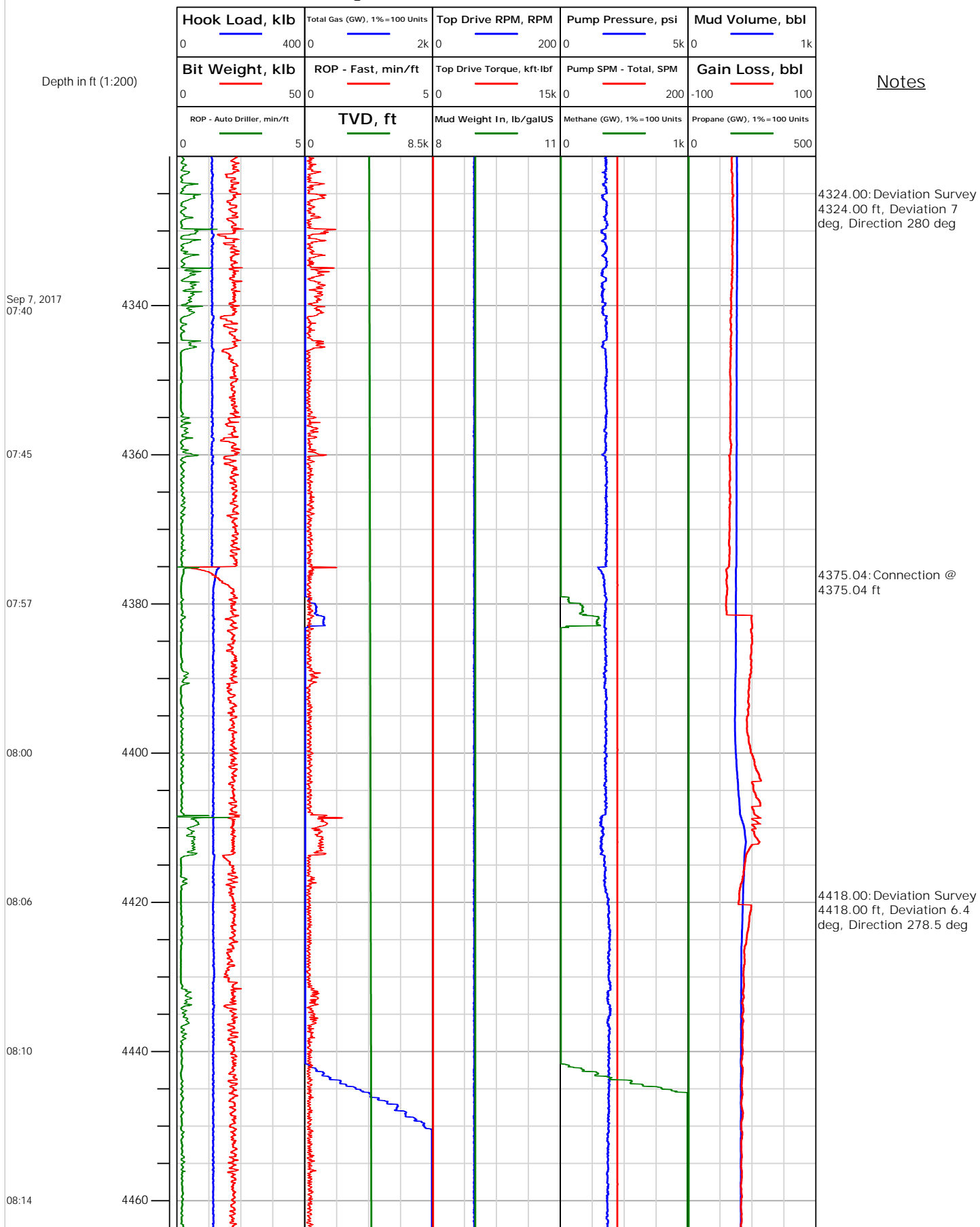
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes

Depth in ft (1:200)

Sep 7, 2017
08:26

08:31

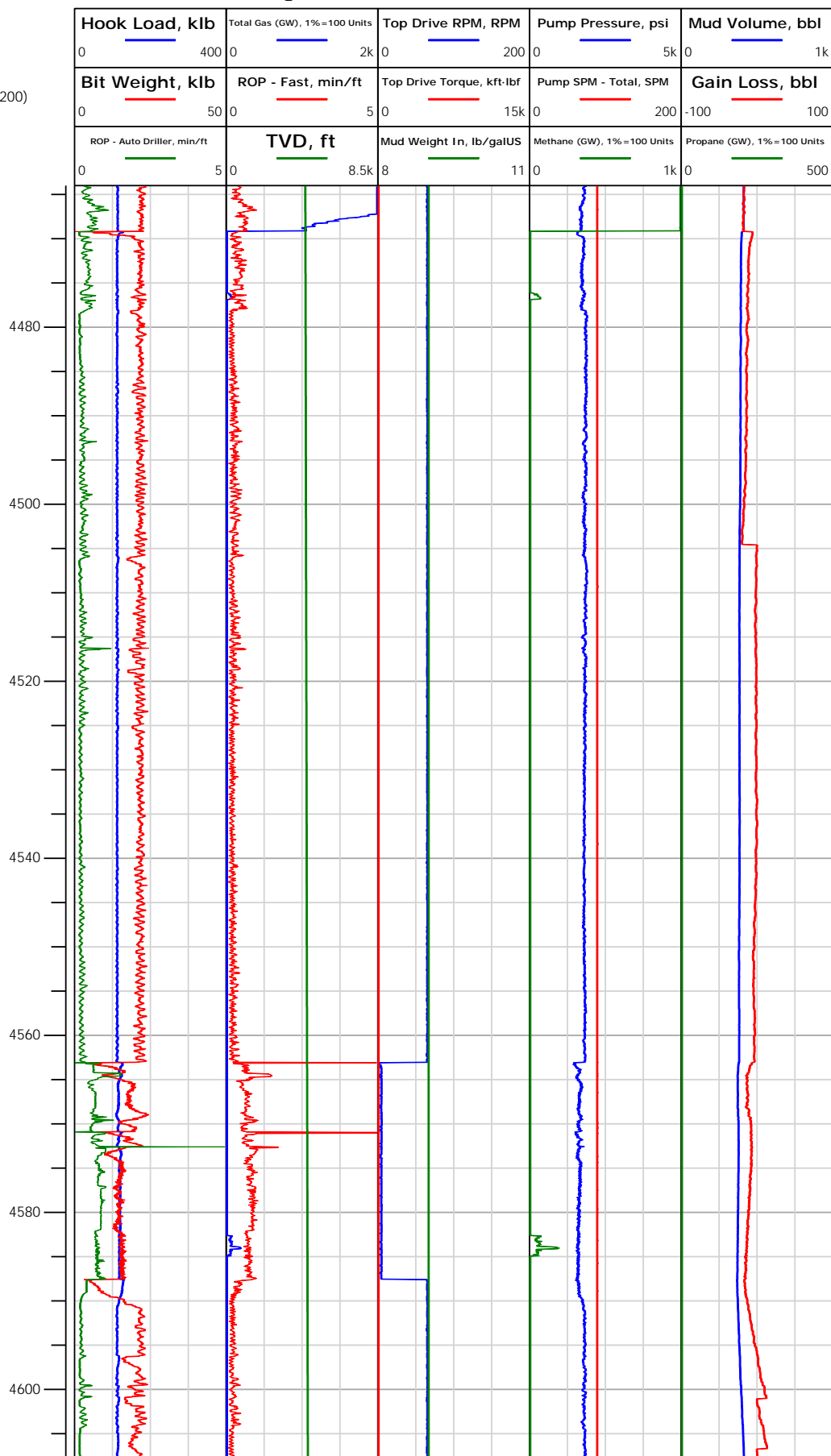
08:35

08:39

08:43

09:01

09:10





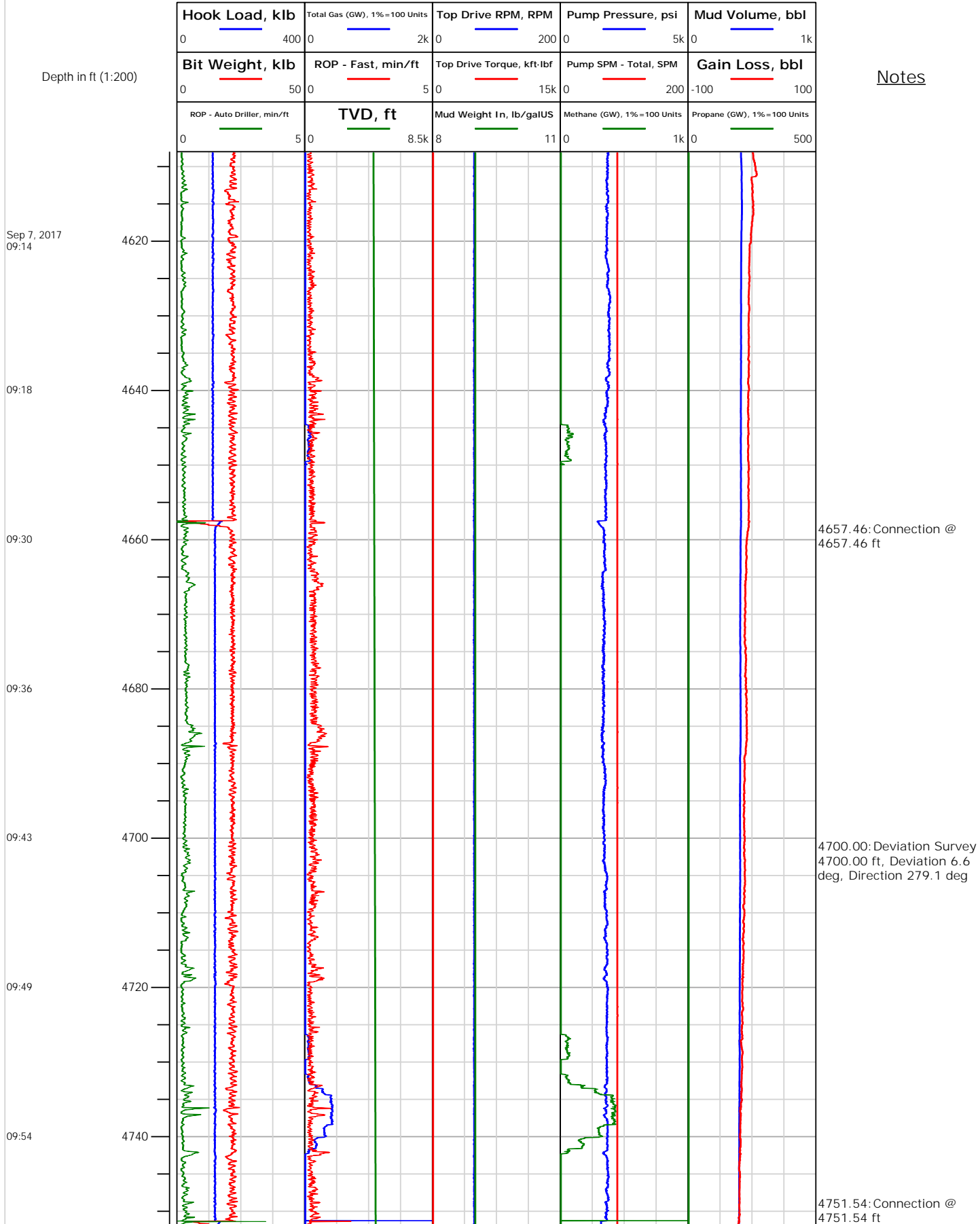
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





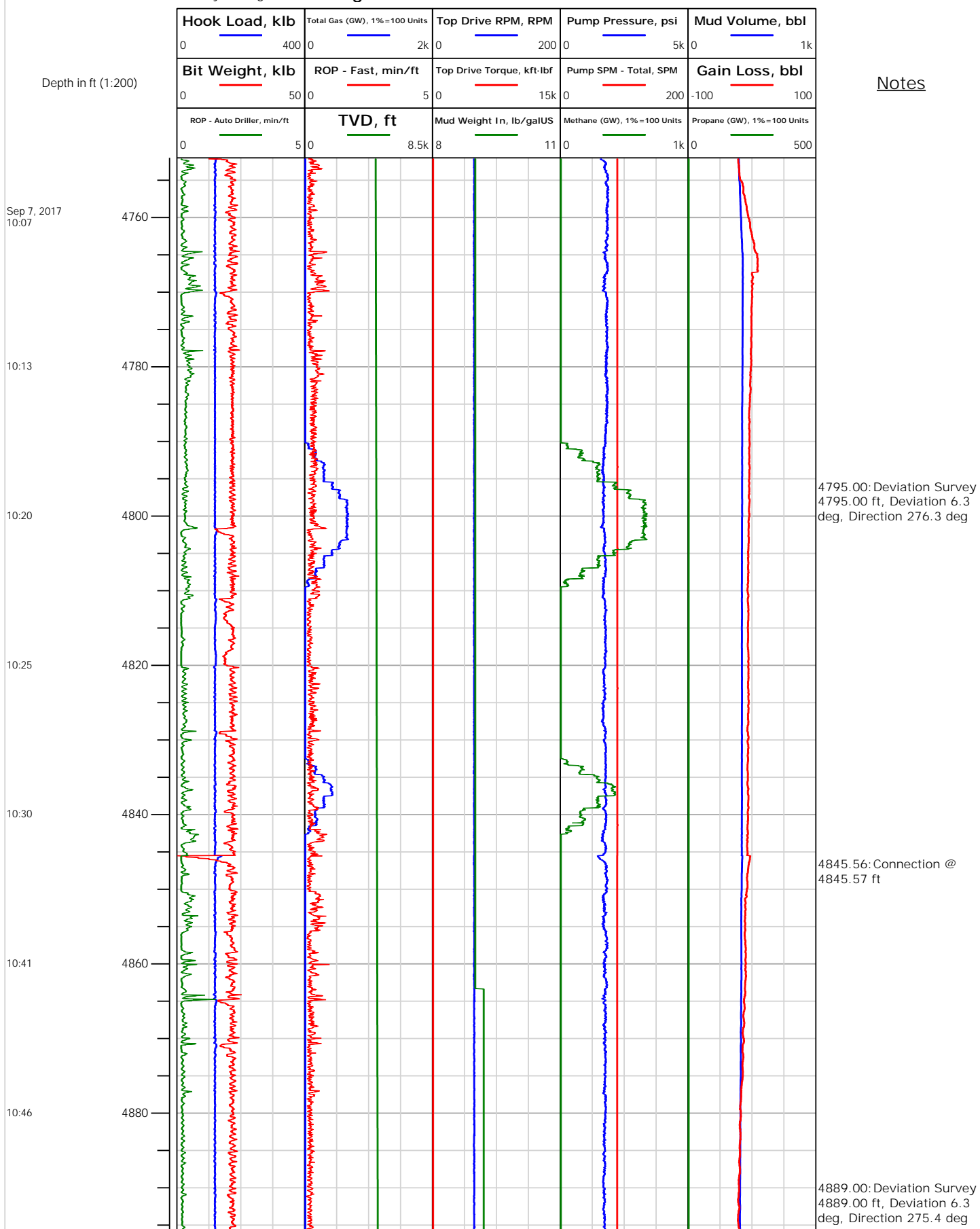
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





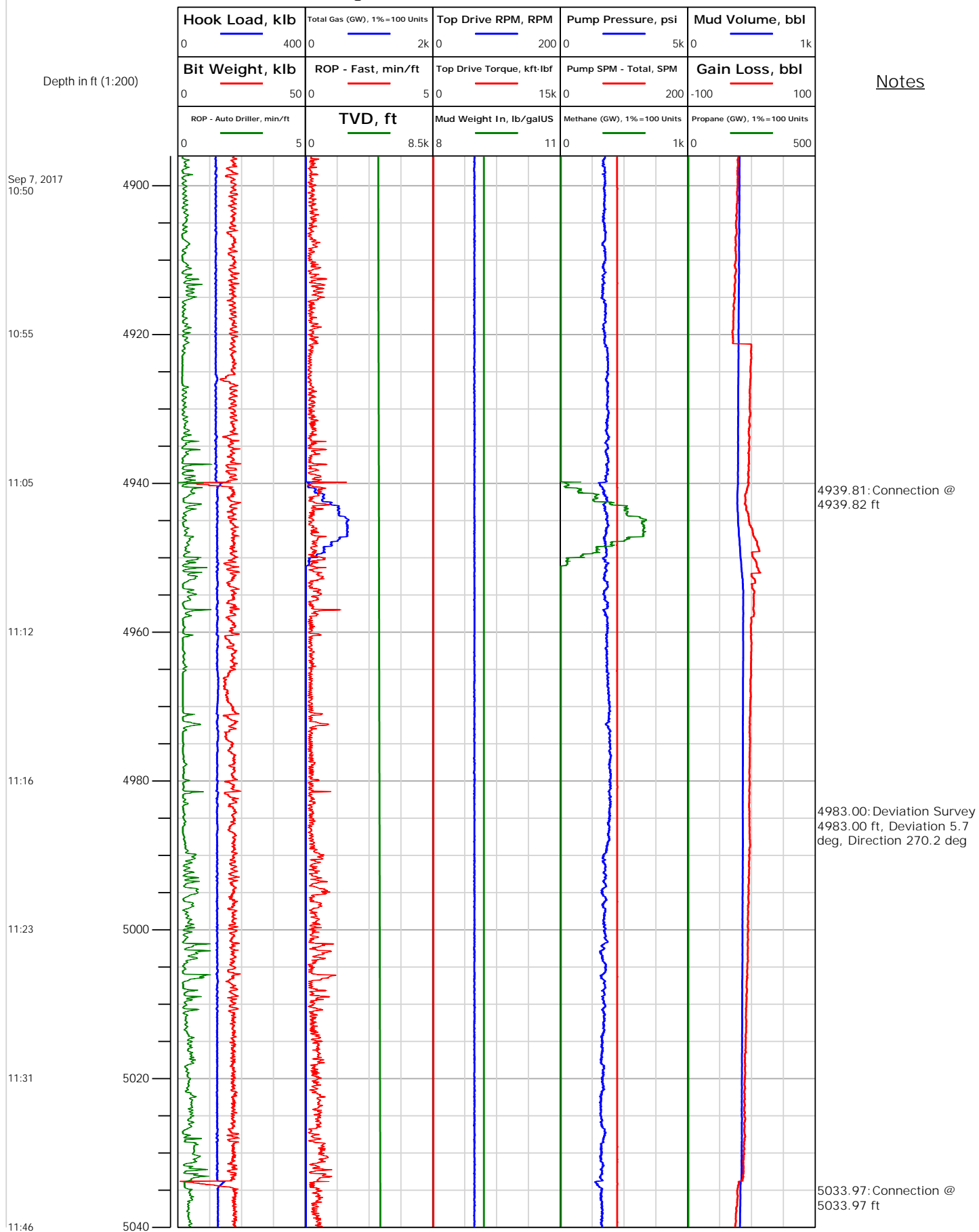
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





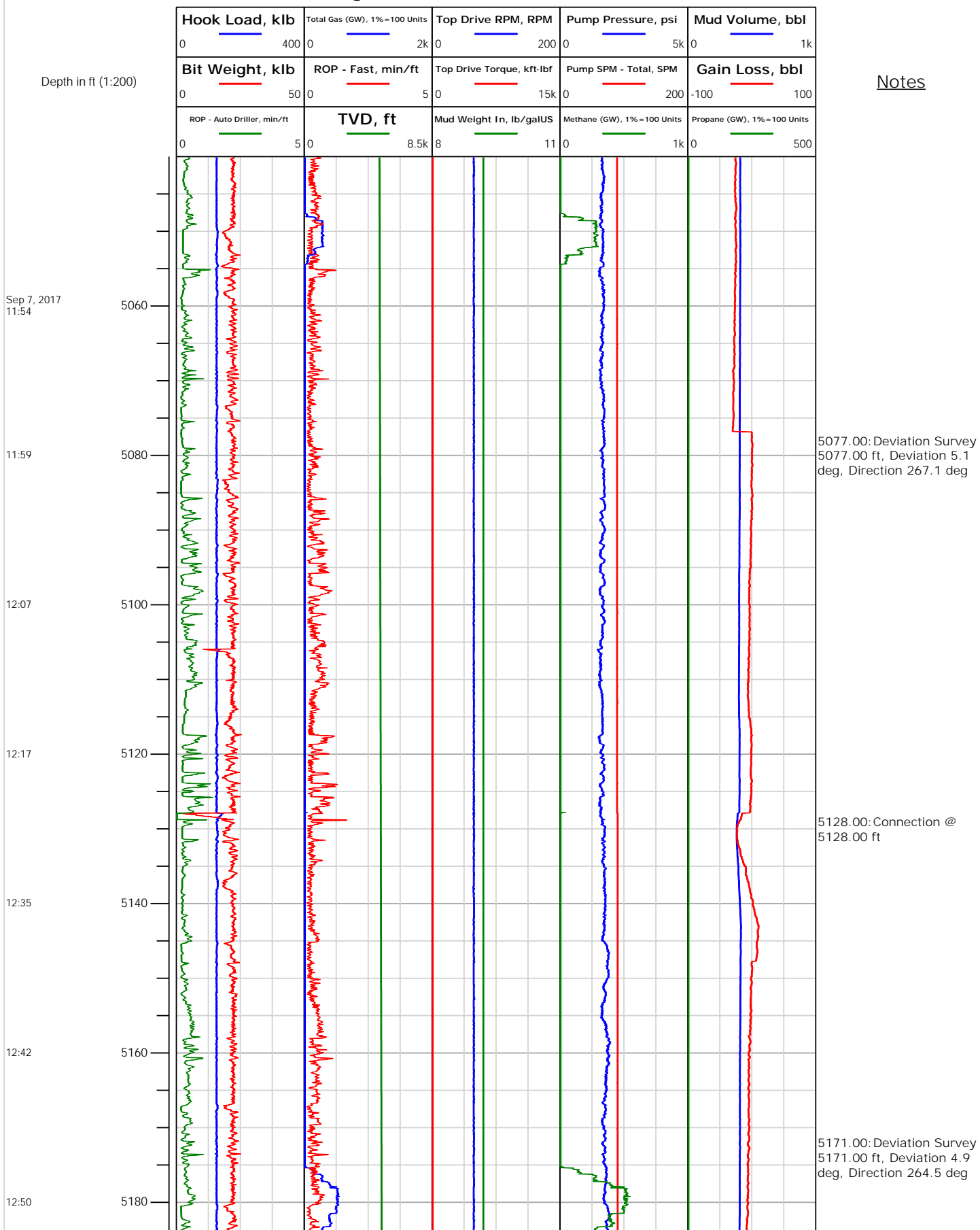
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





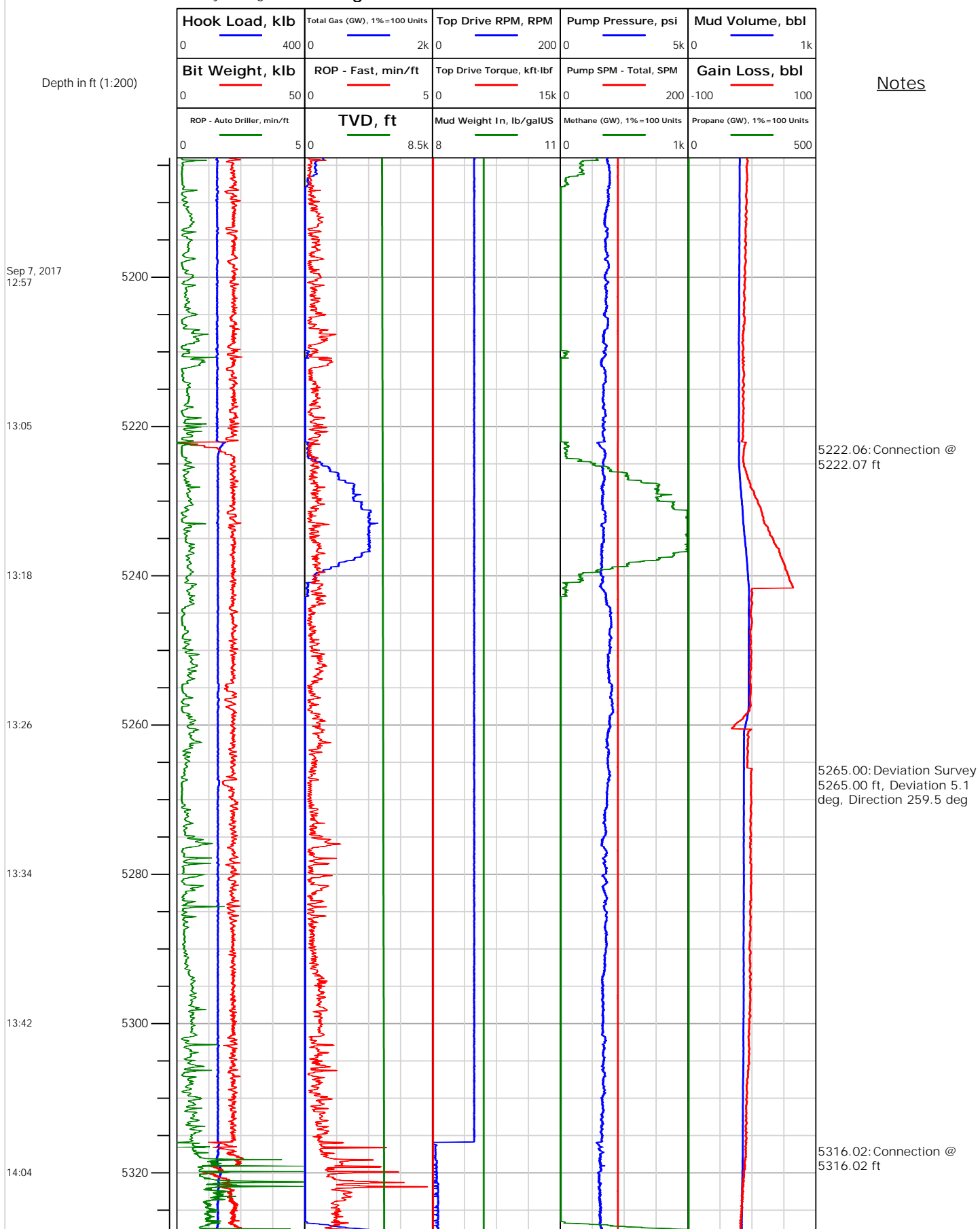
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





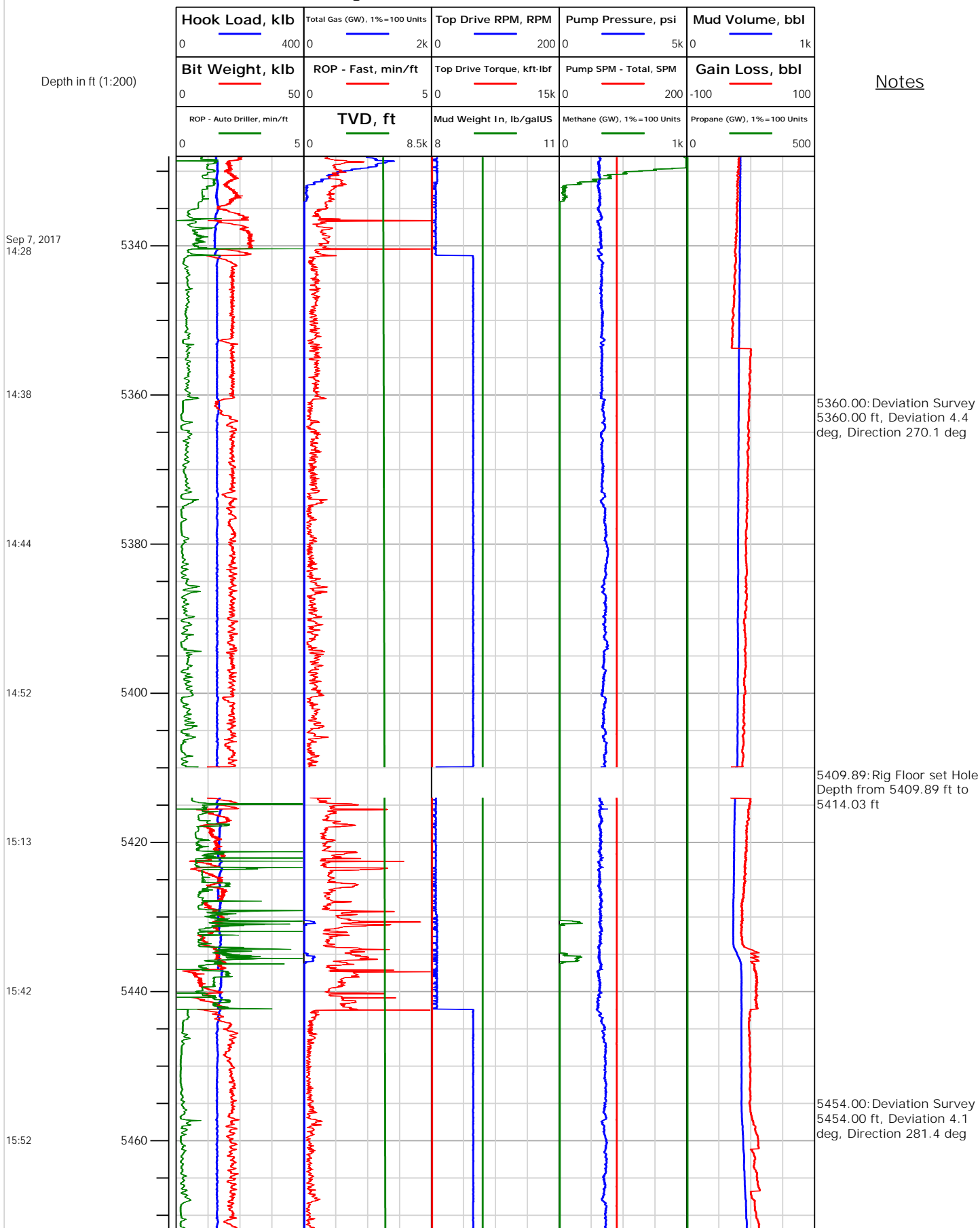
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





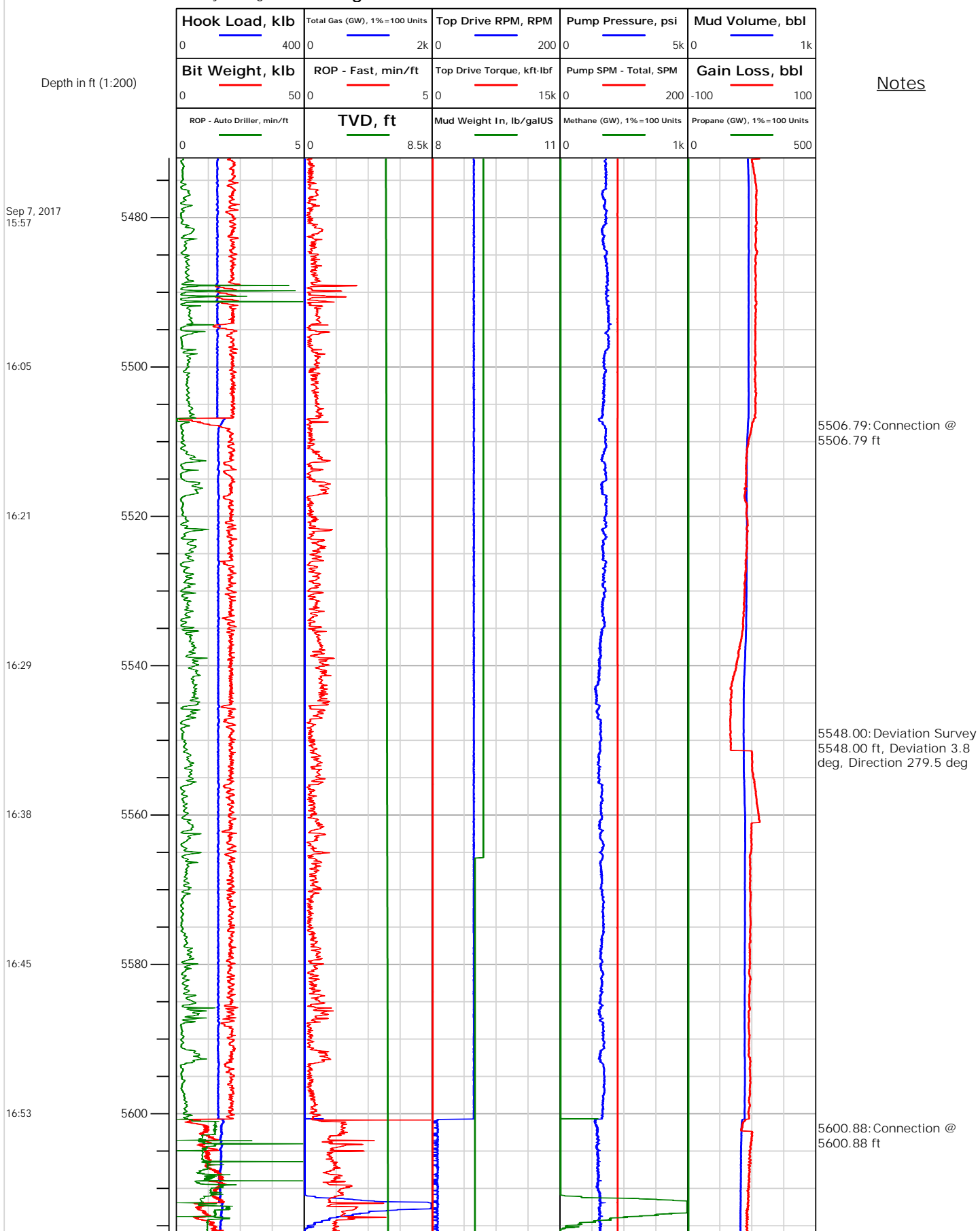
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





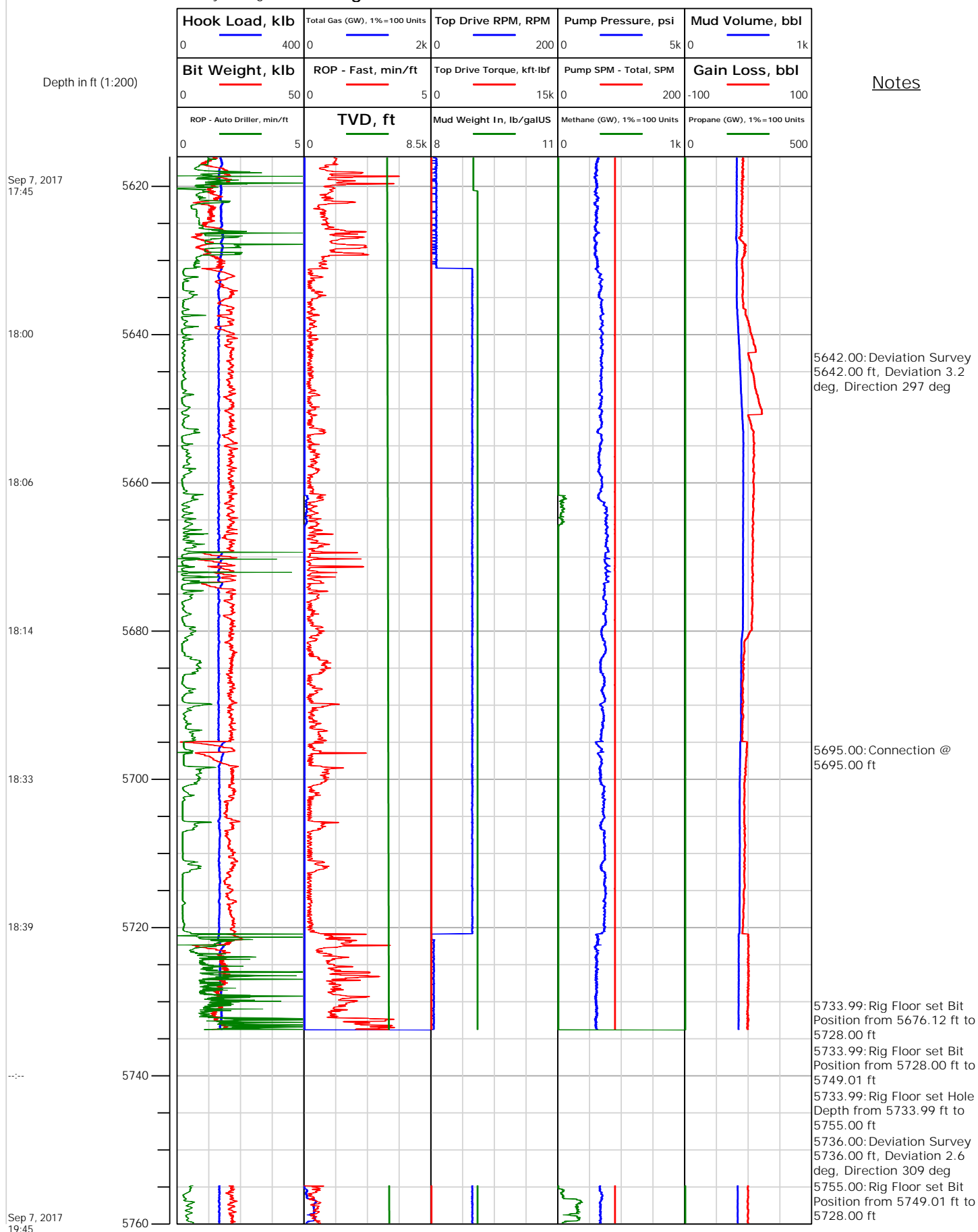
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





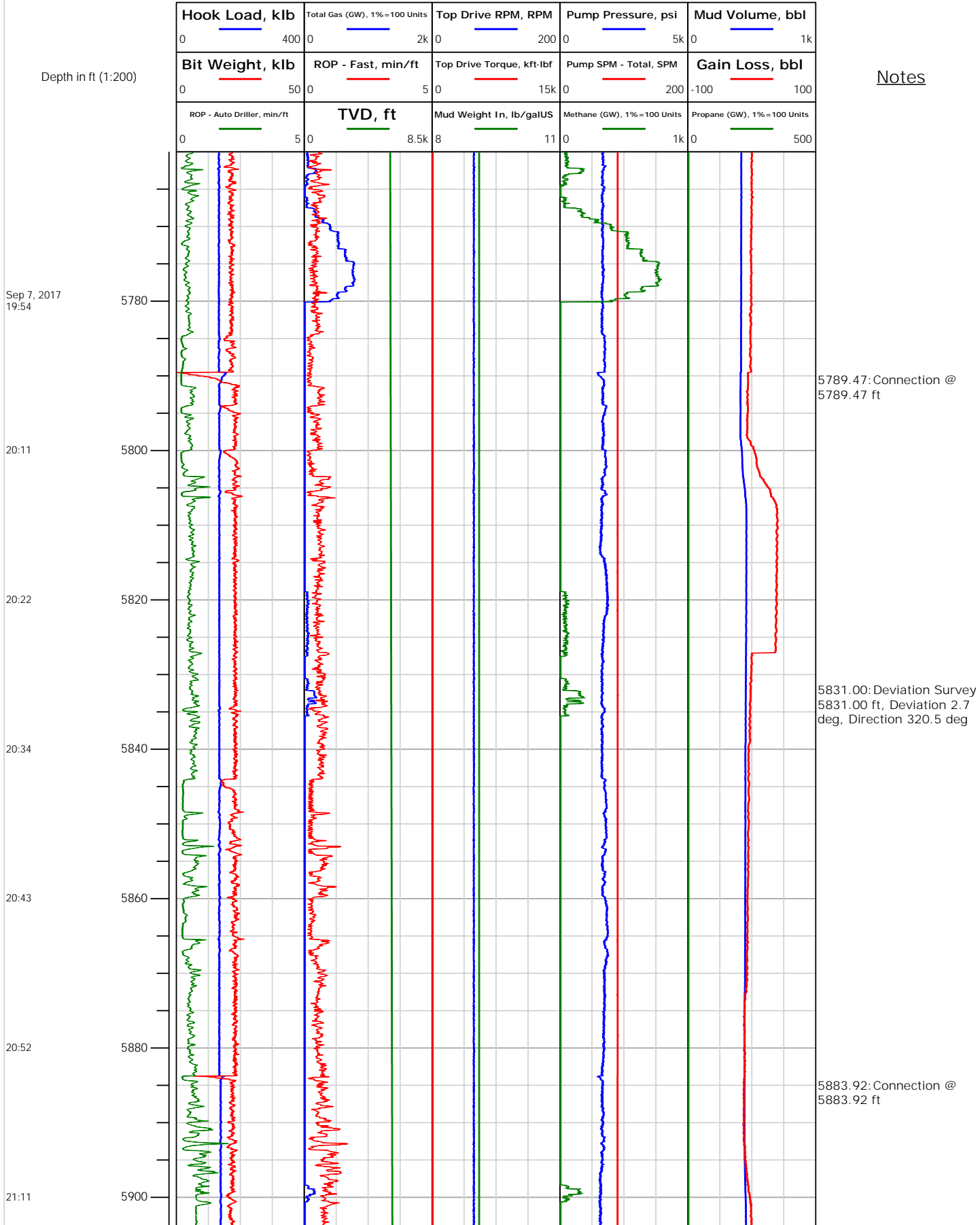
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





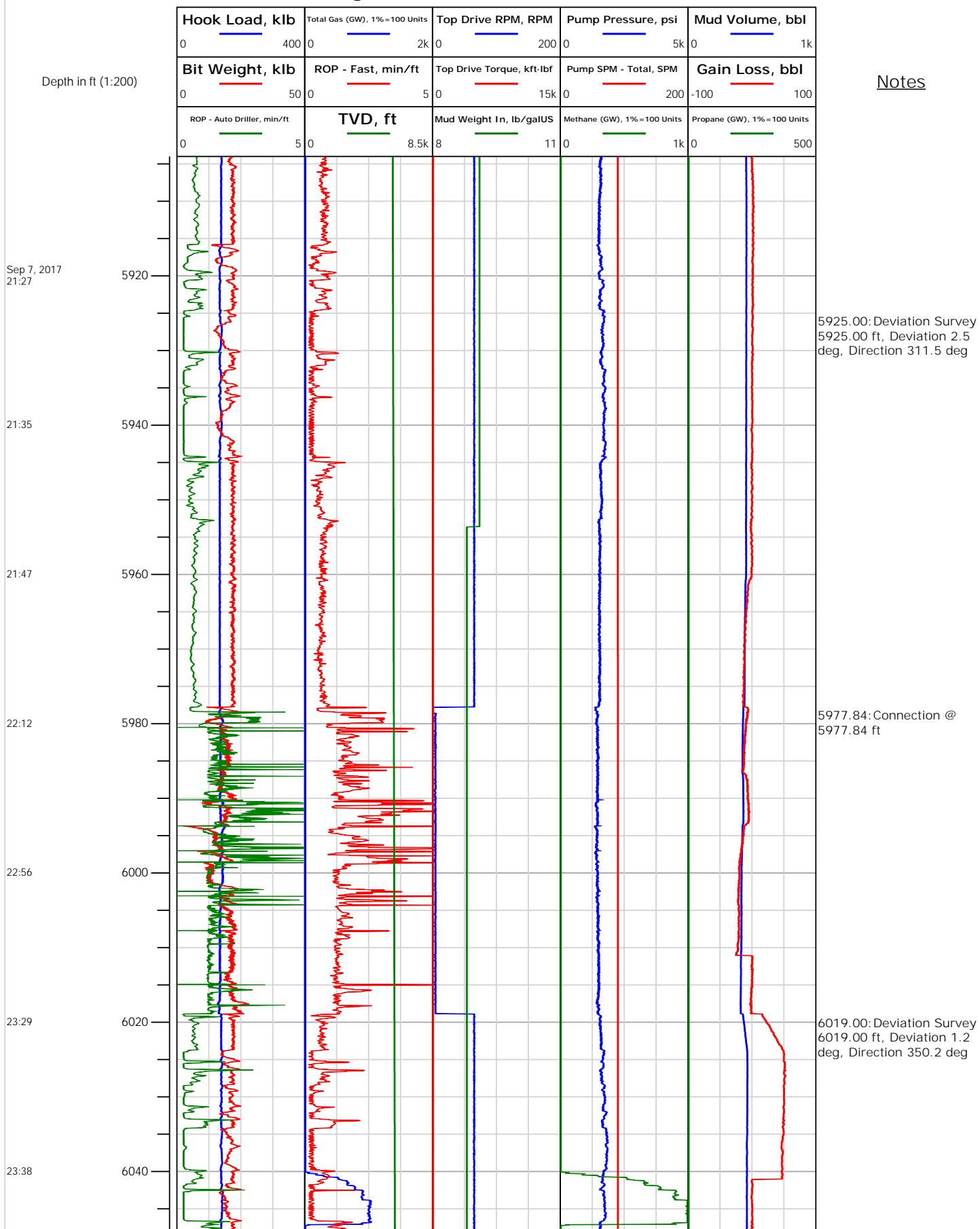
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





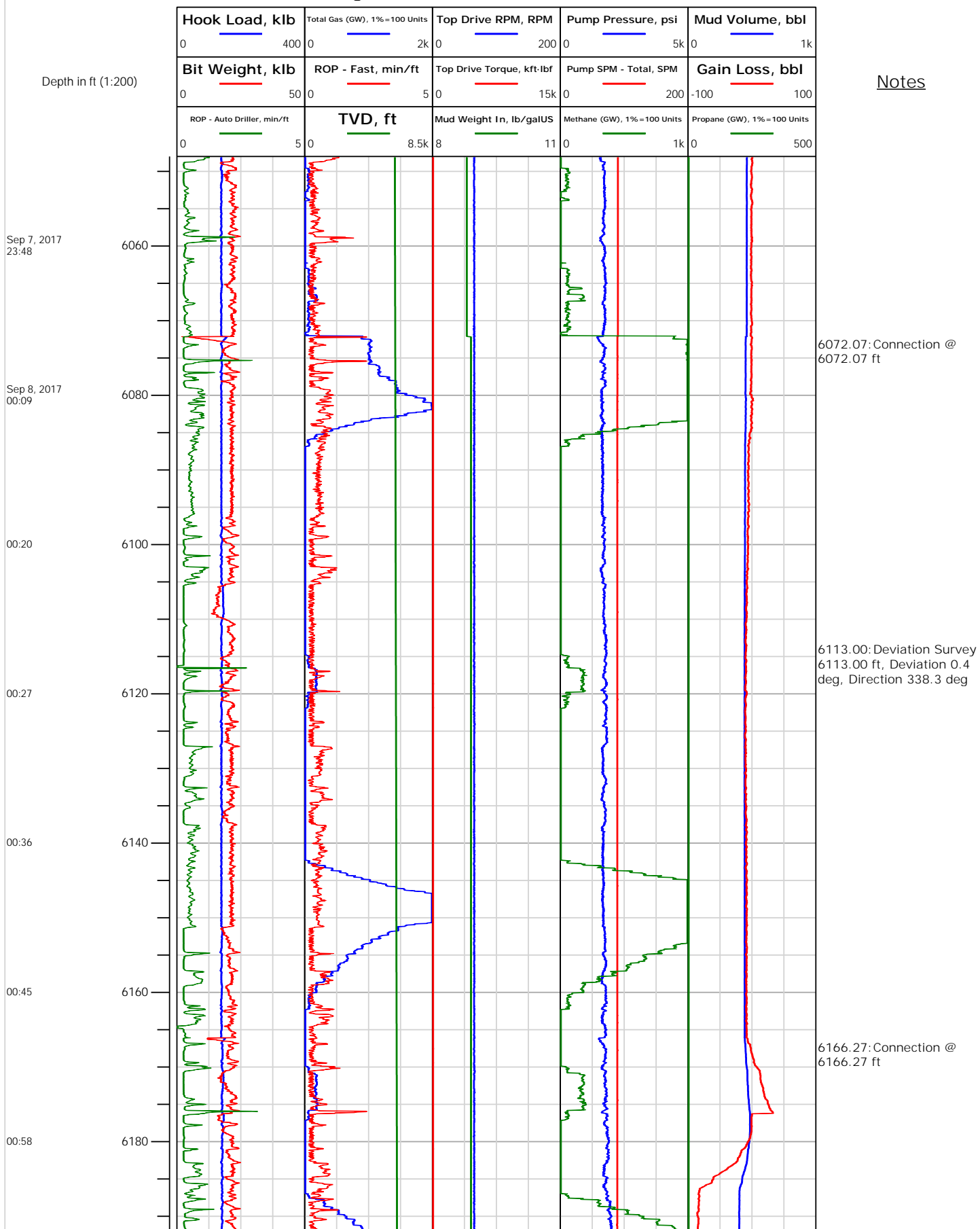
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





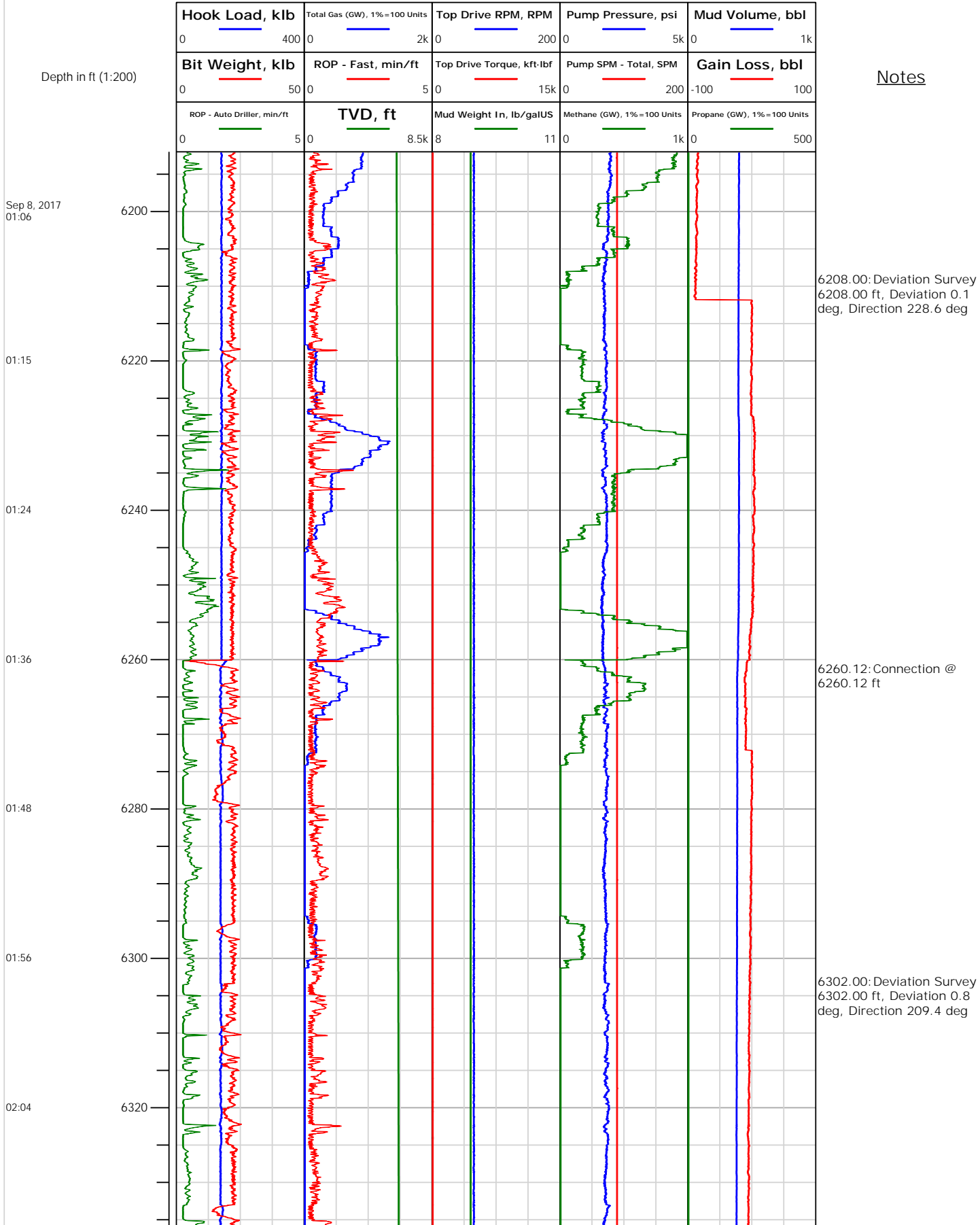
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





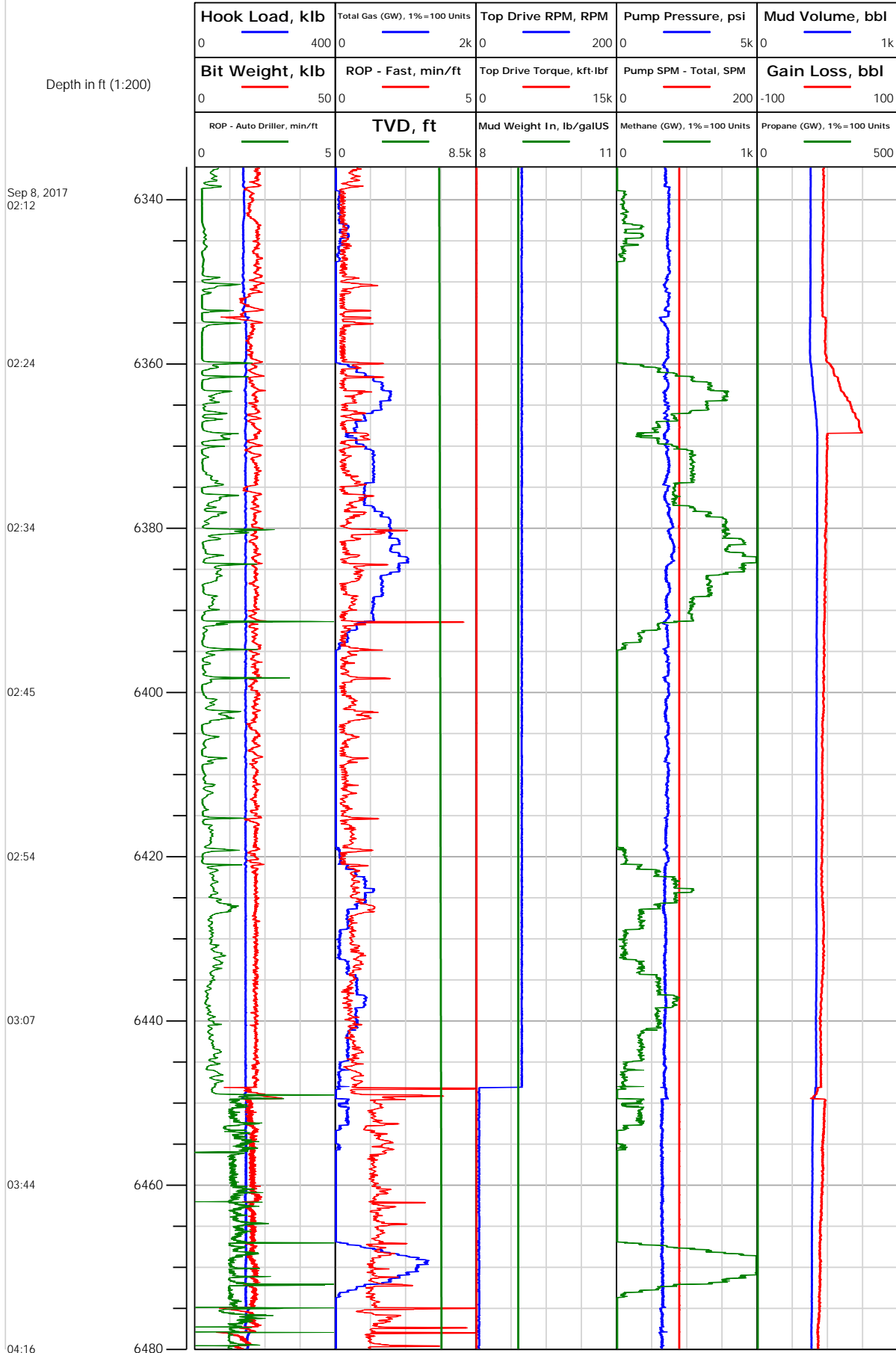
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes

Sep 8, 2017
04:32

04:42

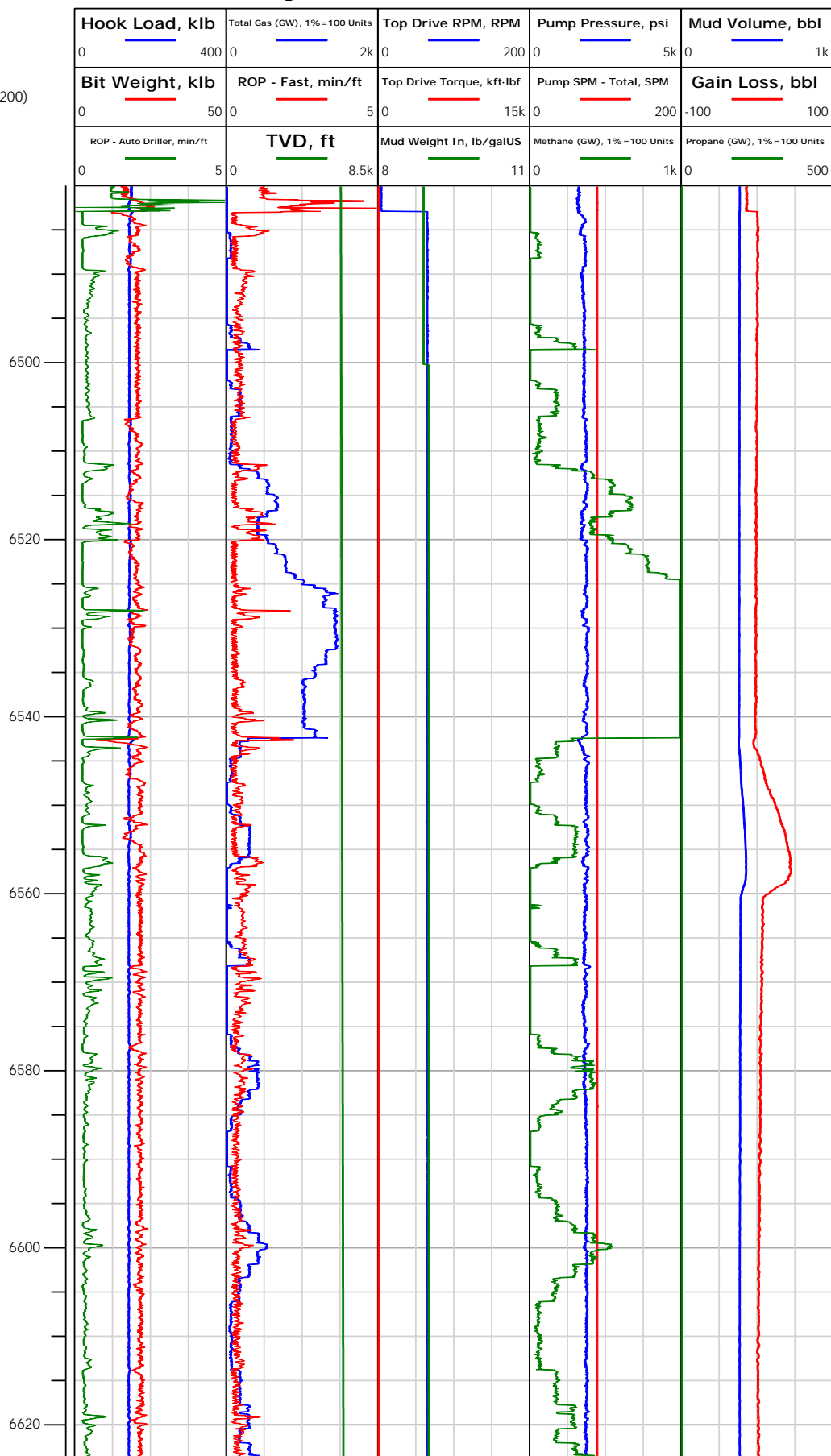
04:48

05:07

05:16

05:24

05:30



6490.00: Deviation Survey
6490.00 ft, Deviation 0.7 deg, Direction 321.2 deg

6542.50: Connection @
6542.50 ft

6584.00: Deviation Survey
6584.00 ft, Deviation 0.9 deg, Direction 302.3 deg



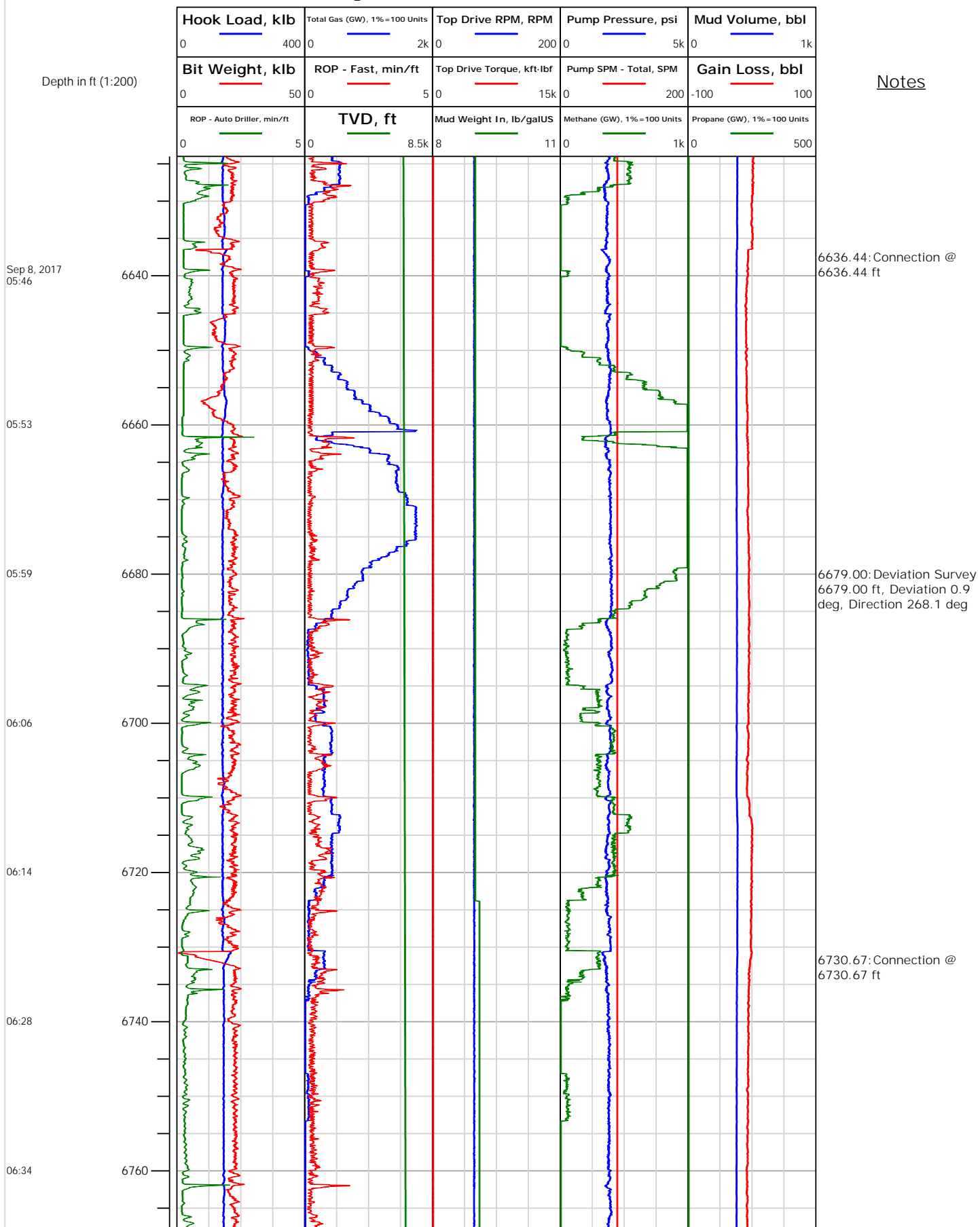
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





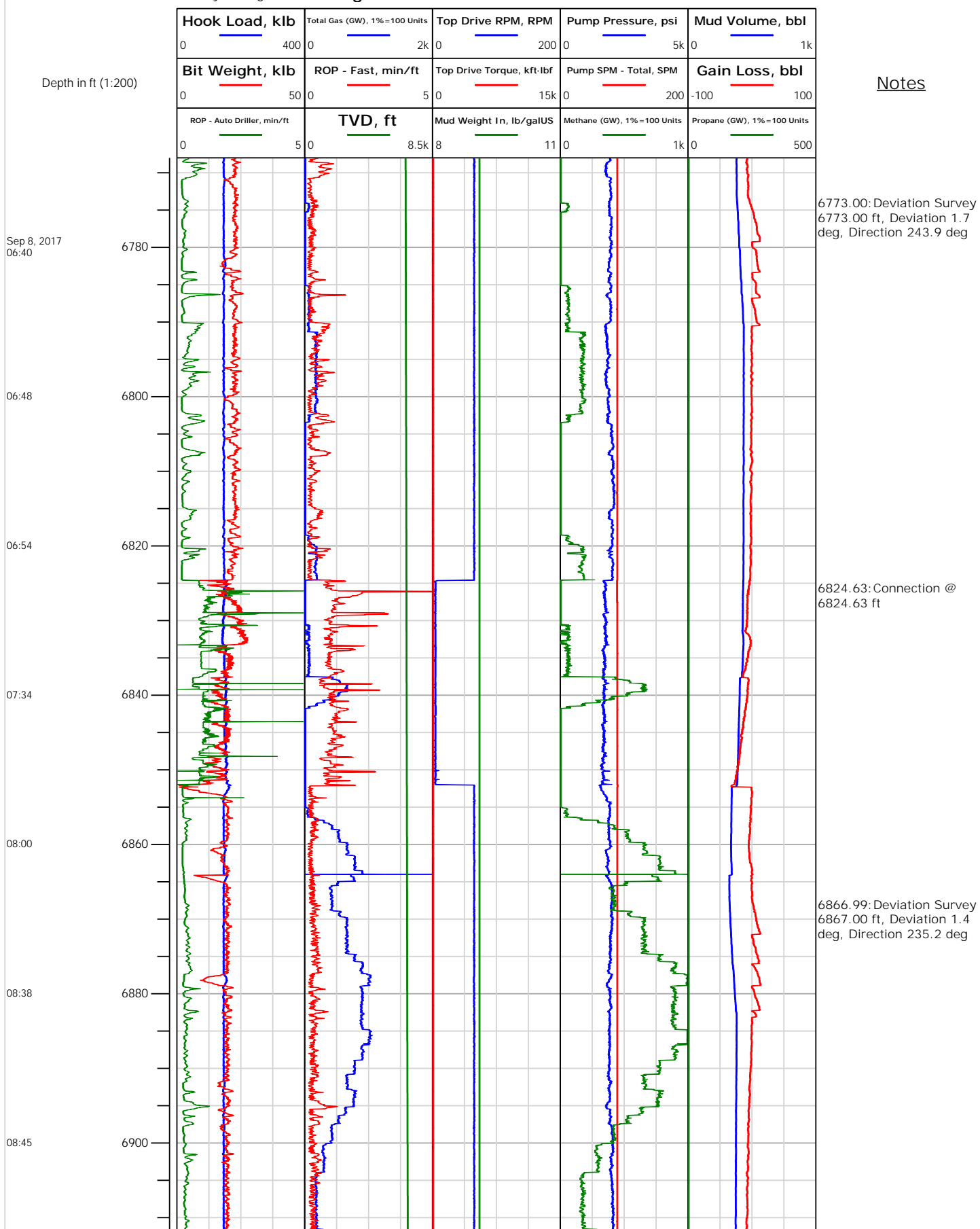
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





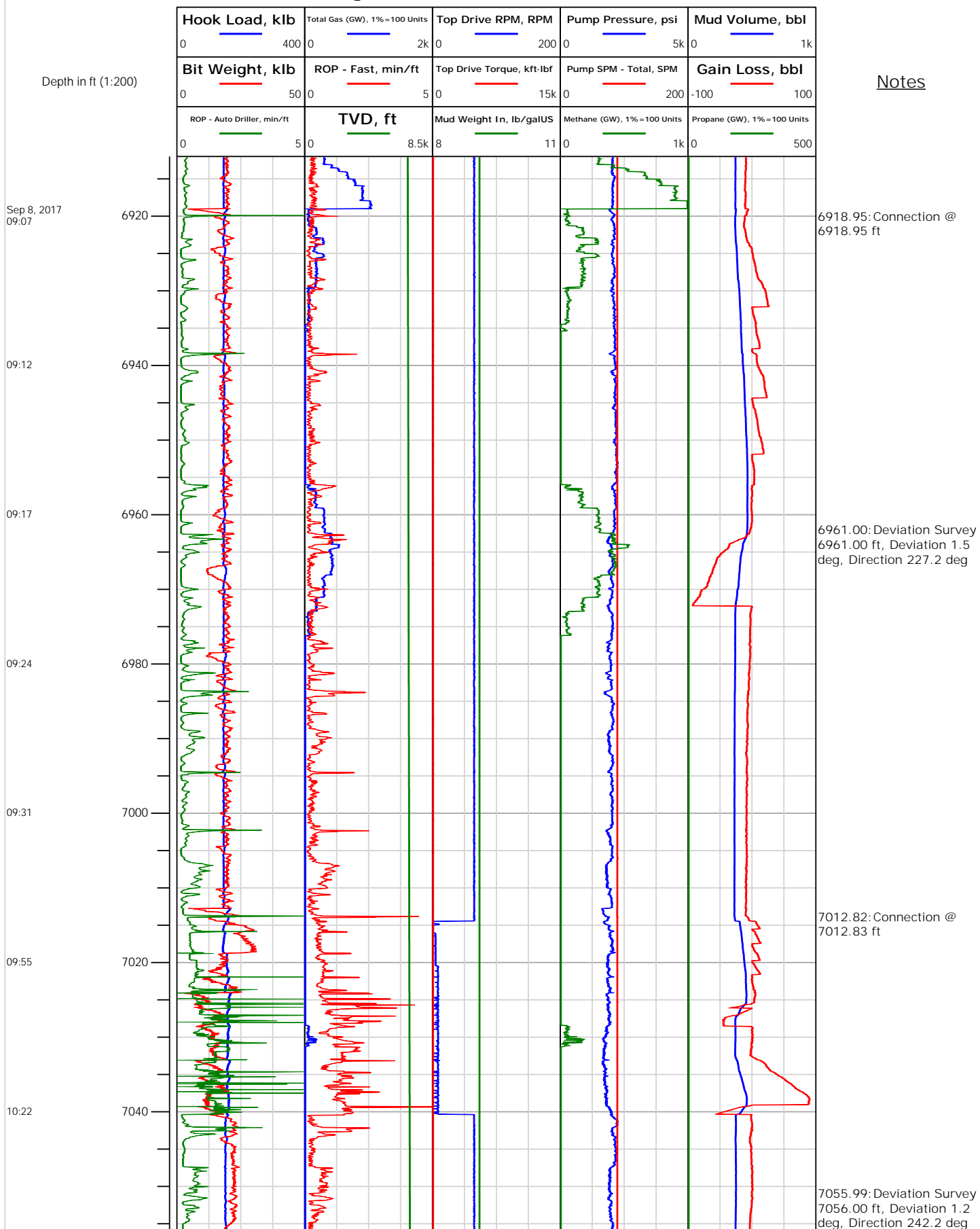
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





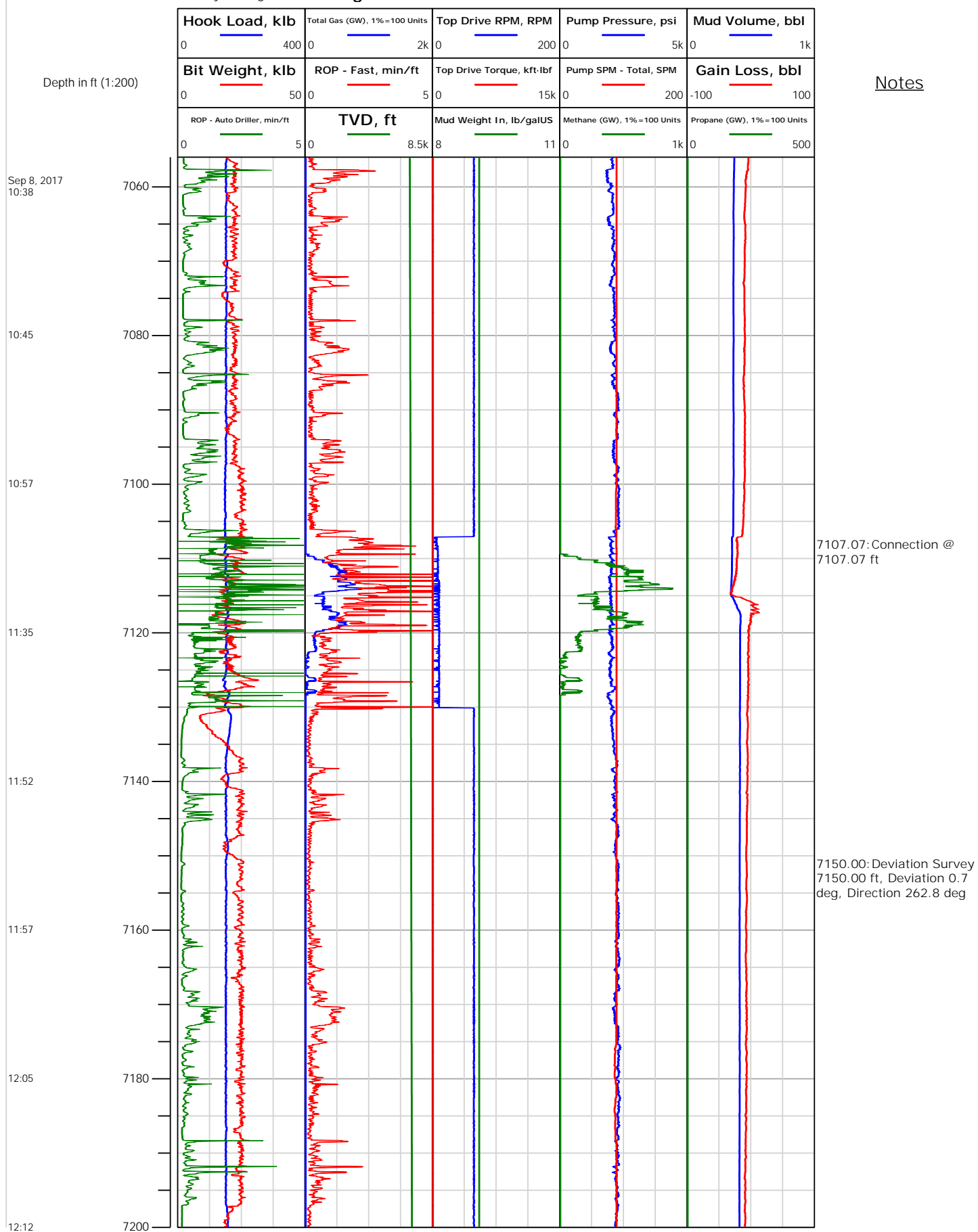
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





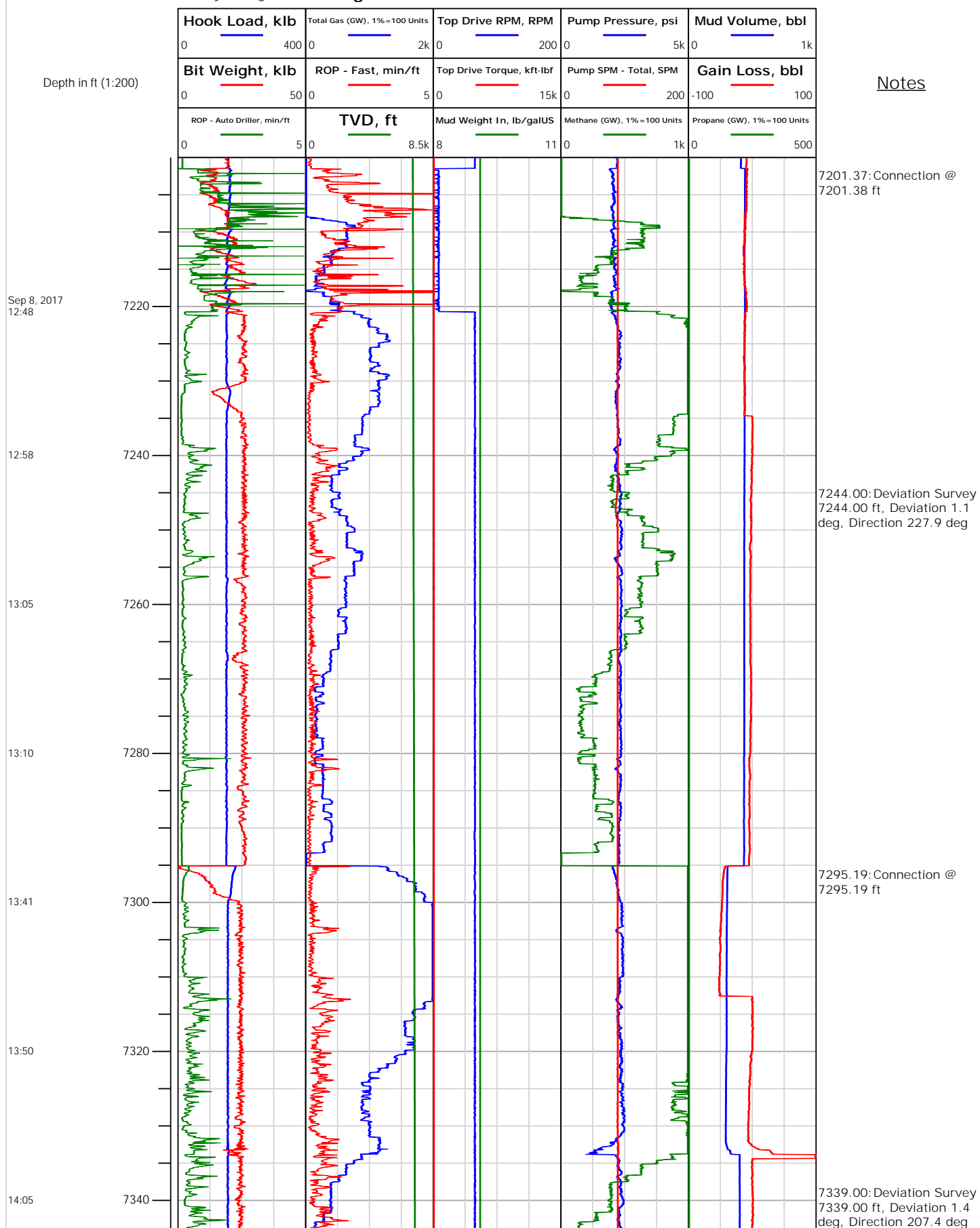
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





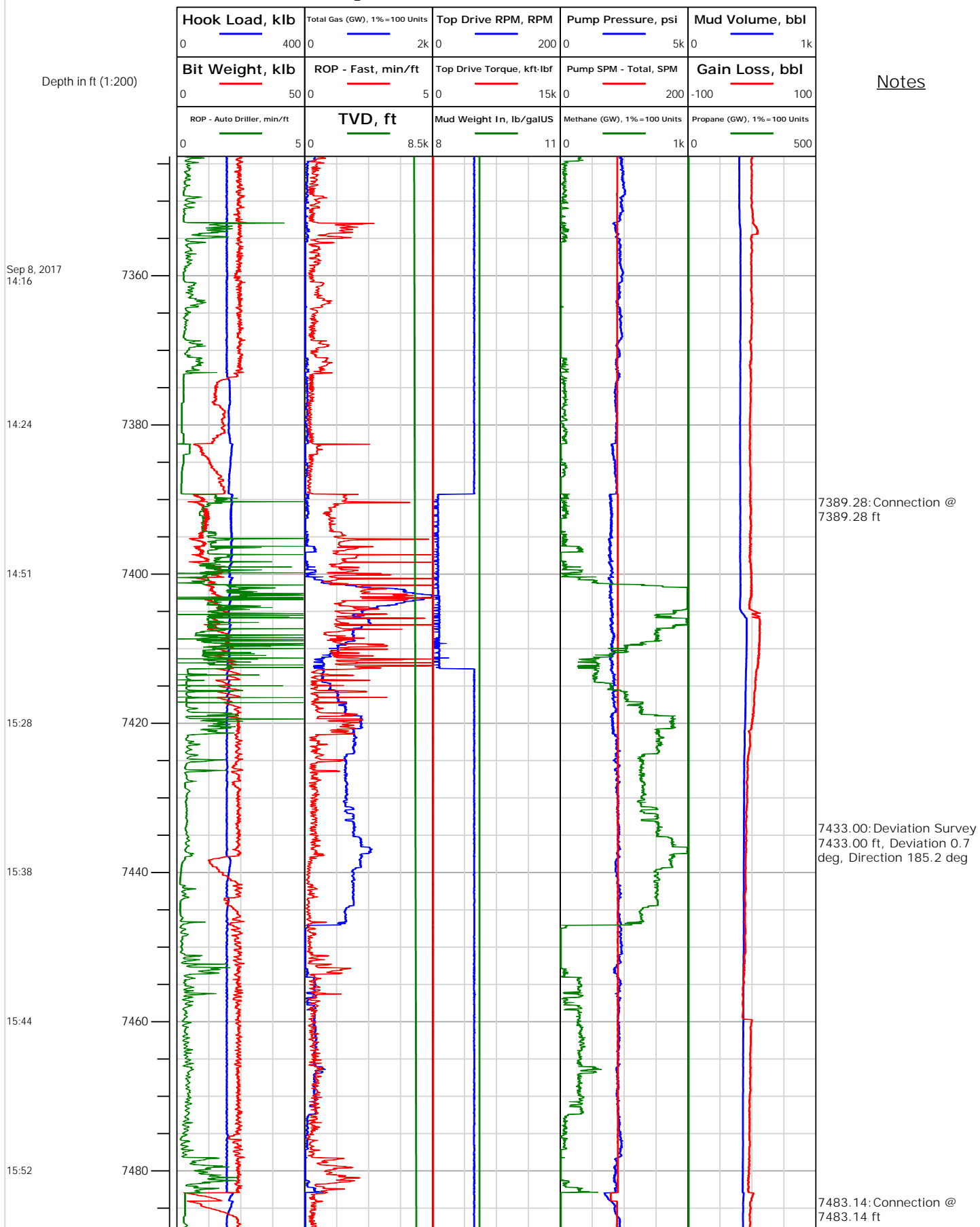
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes

Depth in ft (1:200)

Sep 8, 2017
16:10

16:17

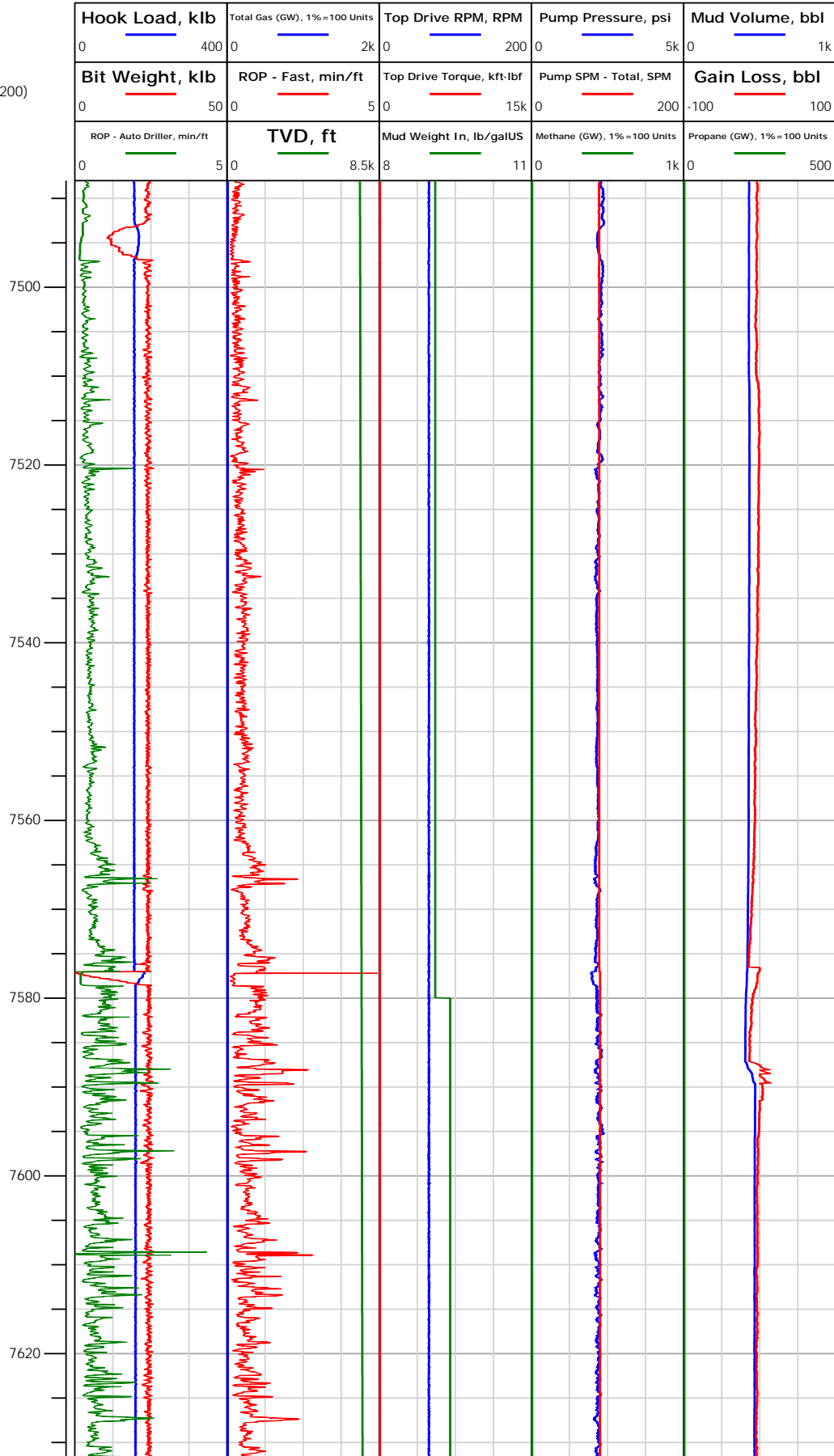
16:26

16:36

17:04

17:19

17:34





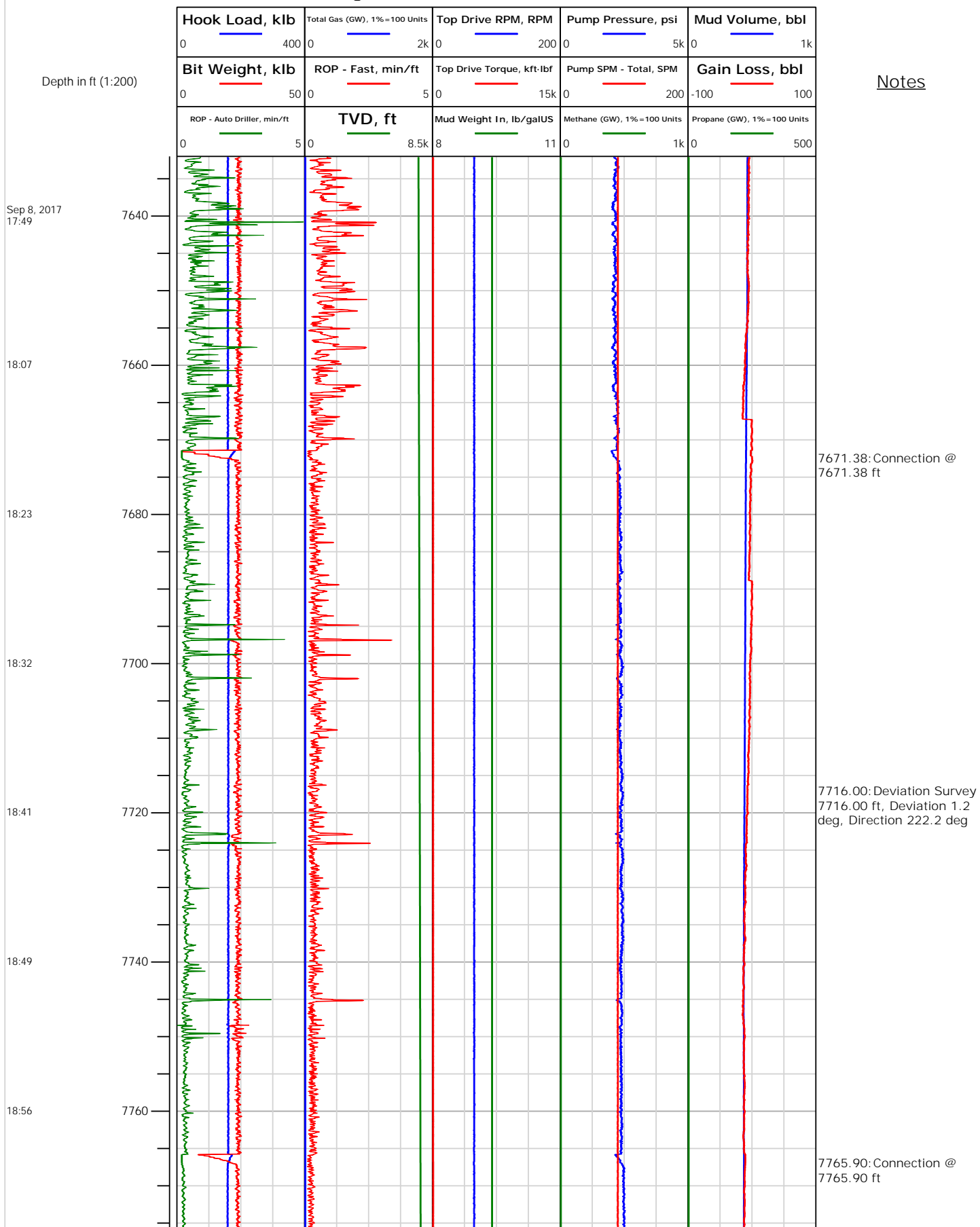
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





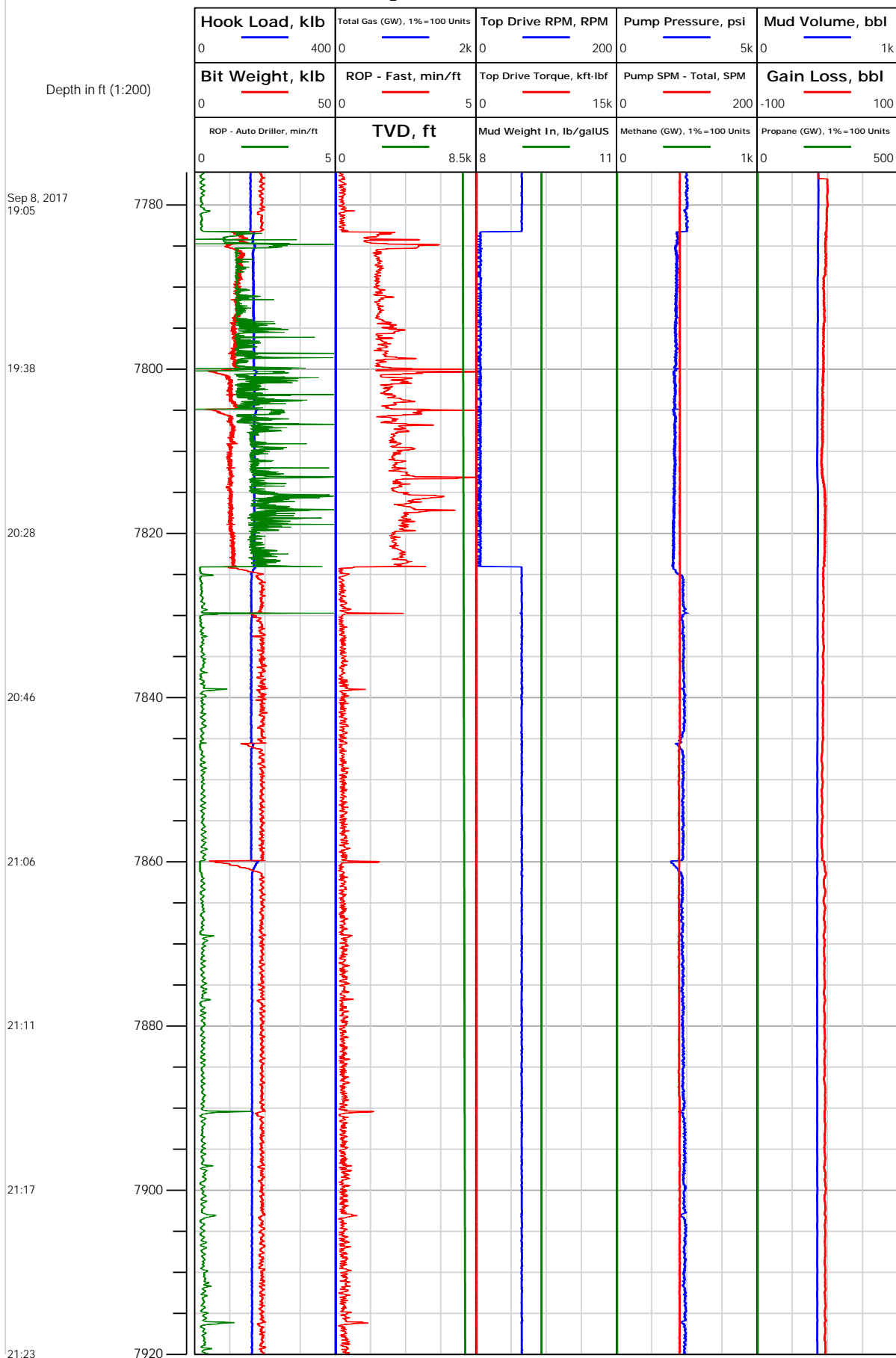
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





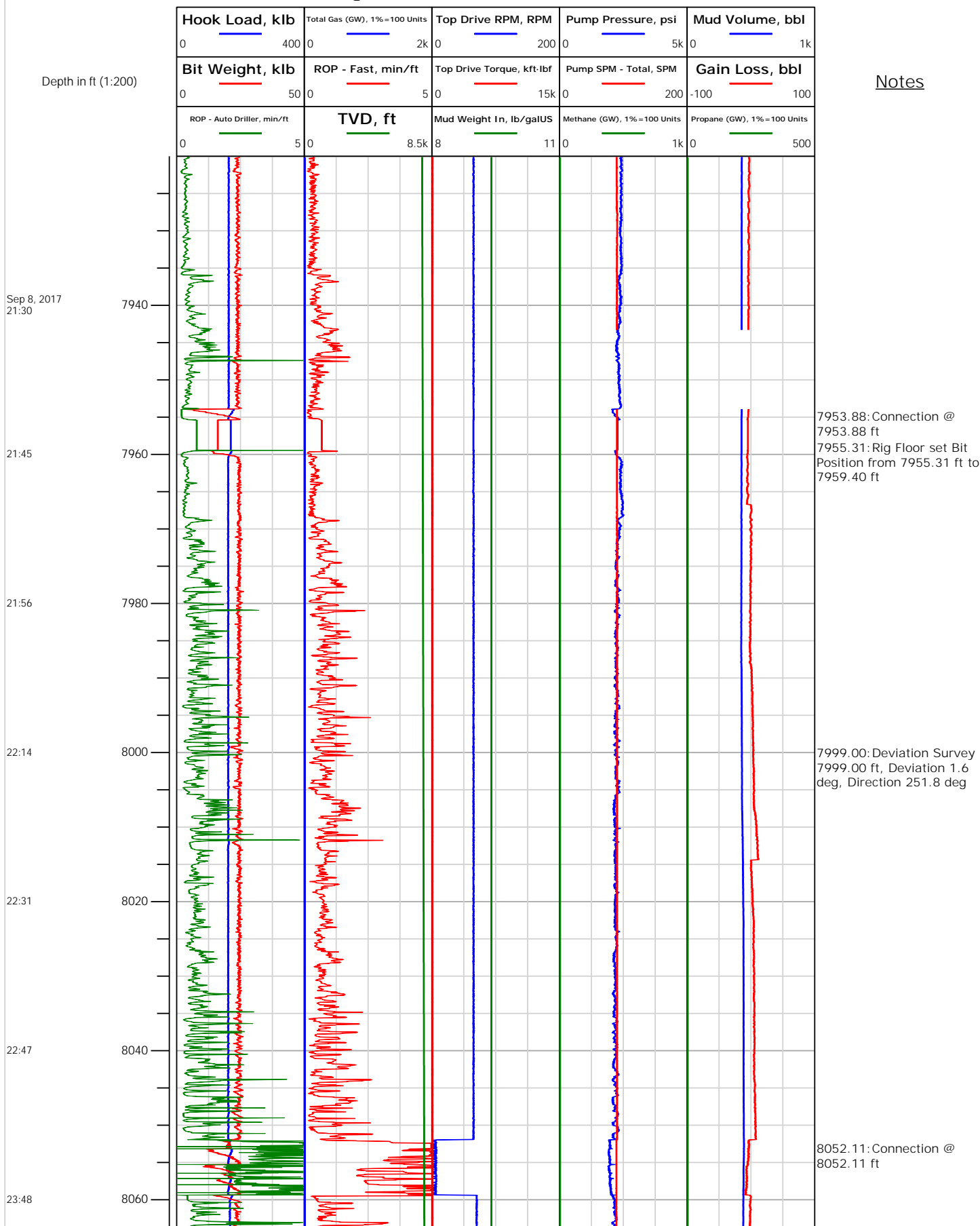
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





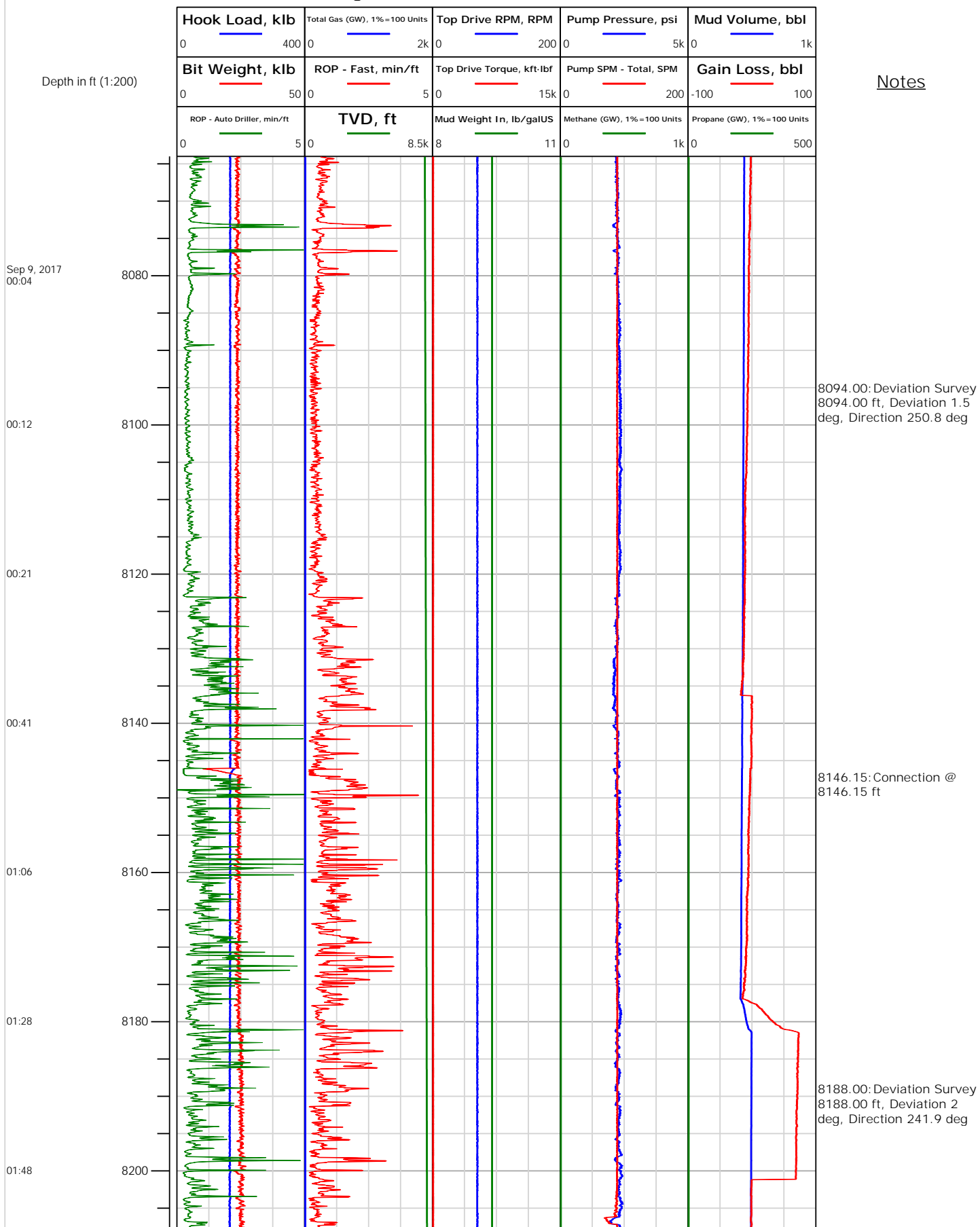
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





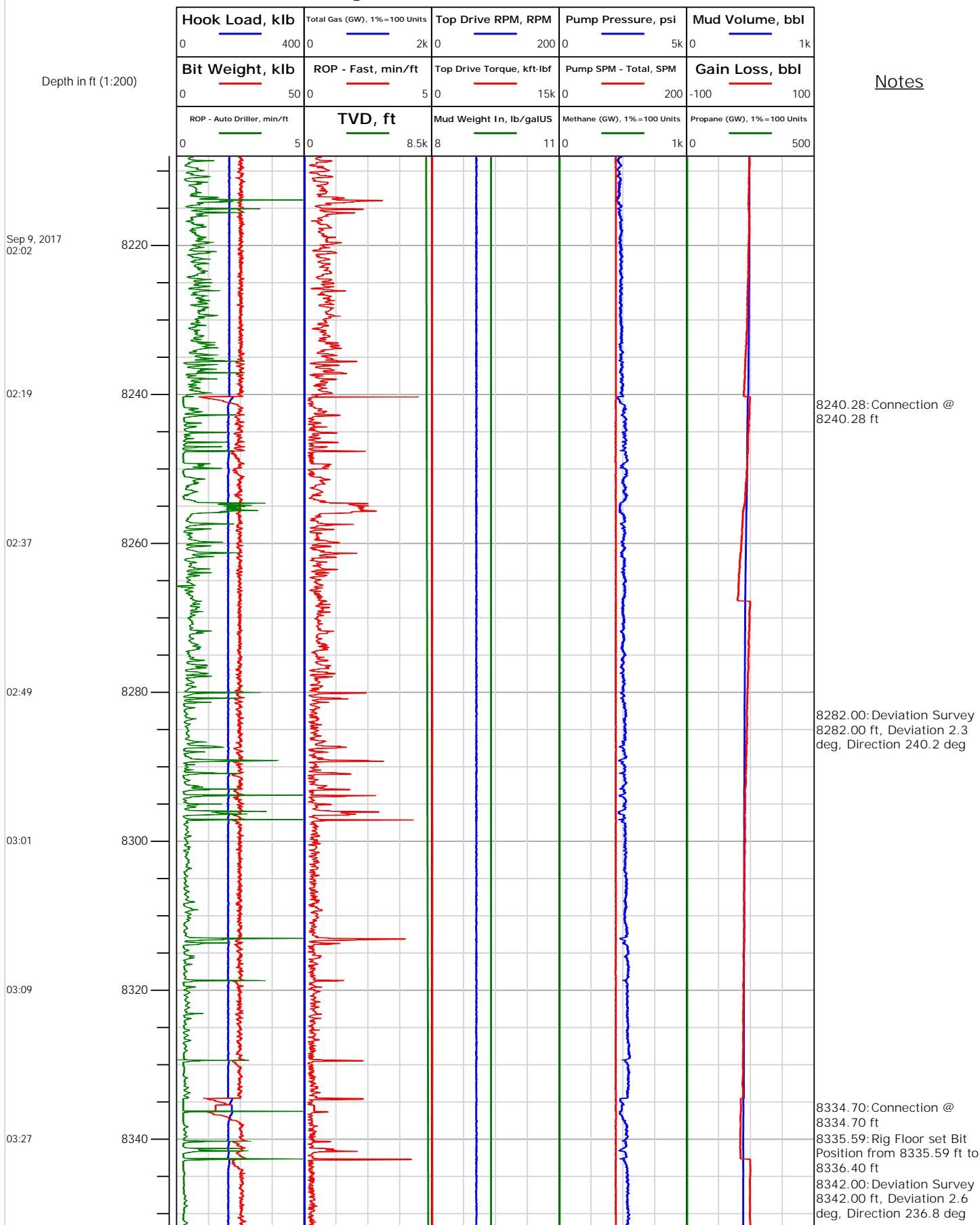
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-04W
Rig: 522

Location:

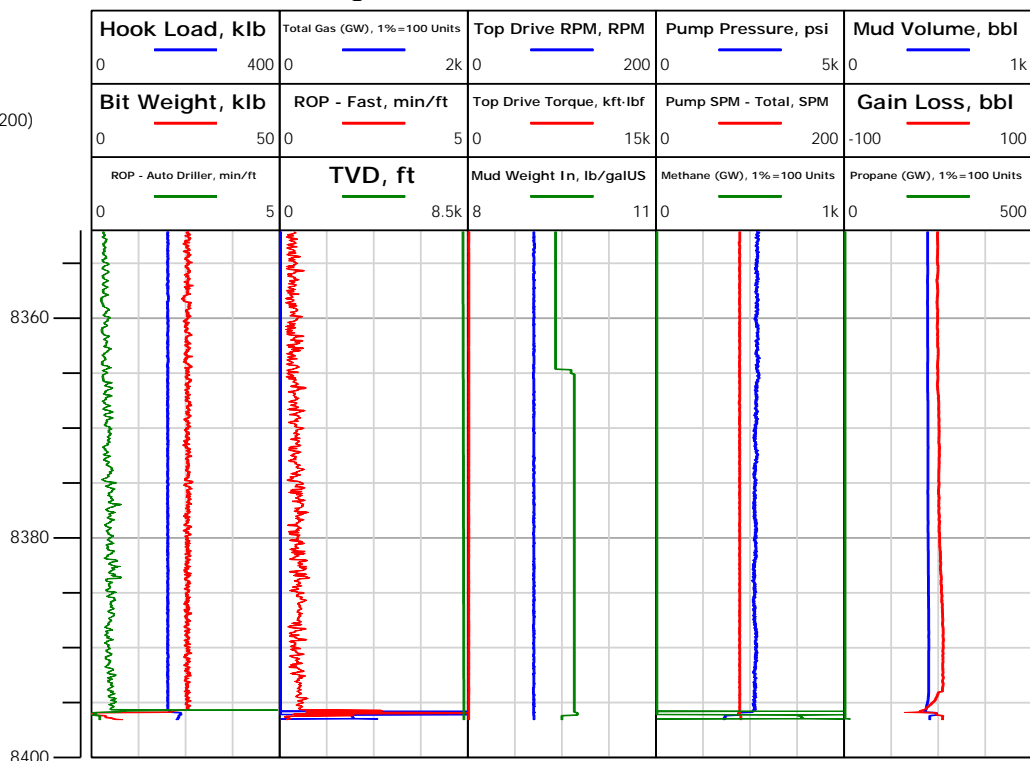
Notes

Depth in ft (1:200)

Sep 9, 2017
03:34

03:42

Sep 11, 2017
11:06



More....

8396.06: Rig Floor set Bit
Position from 8358.28 ft to
8336.44 ft
8396.38: Rig Floor set Bit
Position from 2464.12 ft to
2369.00 ft
8396.38: Rig Floor set Bit
Position from 1993.79 ft to
2086.00 ft
8396.38: Rig Floor set Bit
Position from 8302.58 ft to
8306.17 ft
8396.38: Rig Floor set Bit
Position from 6613.08 ft to
6608.53 ft
8396.77: Rig Floor set Bit
Position from 7840.51 ft to
7897.00 ft
8396.77: Rig Floor set Bit
Position from 8385.12 ft to
8386.00 ft