



Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Depth in ft (1:200)

Notes

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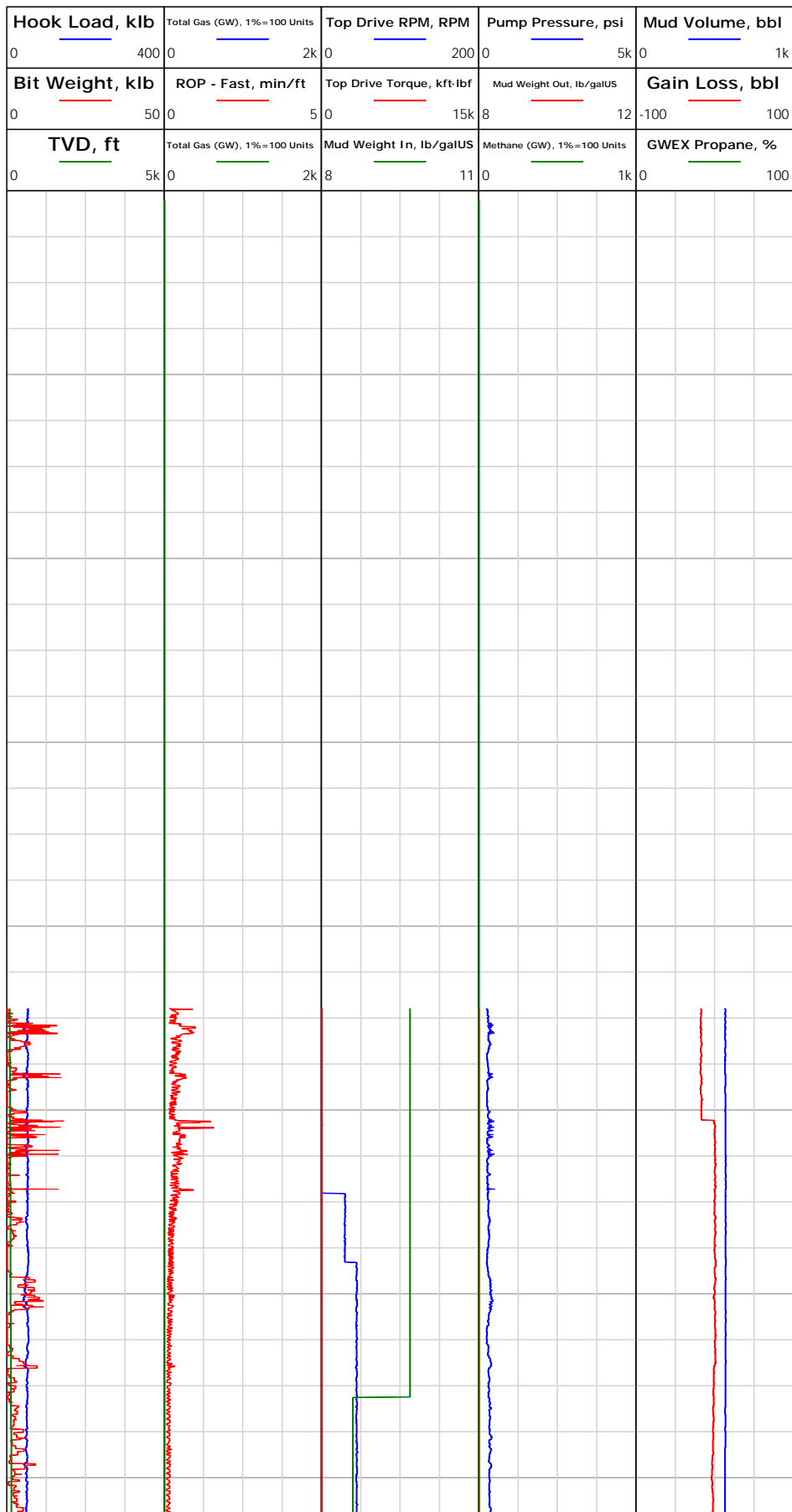
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Feb 4, 2018
05:37

05:44

05:47



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

89.00: Rig Floor set Bit
Position from 17.54 ft to
76.27 ft
89.00: Rig Floor set Bit
Position from 89.00 ft to
0.00 ft



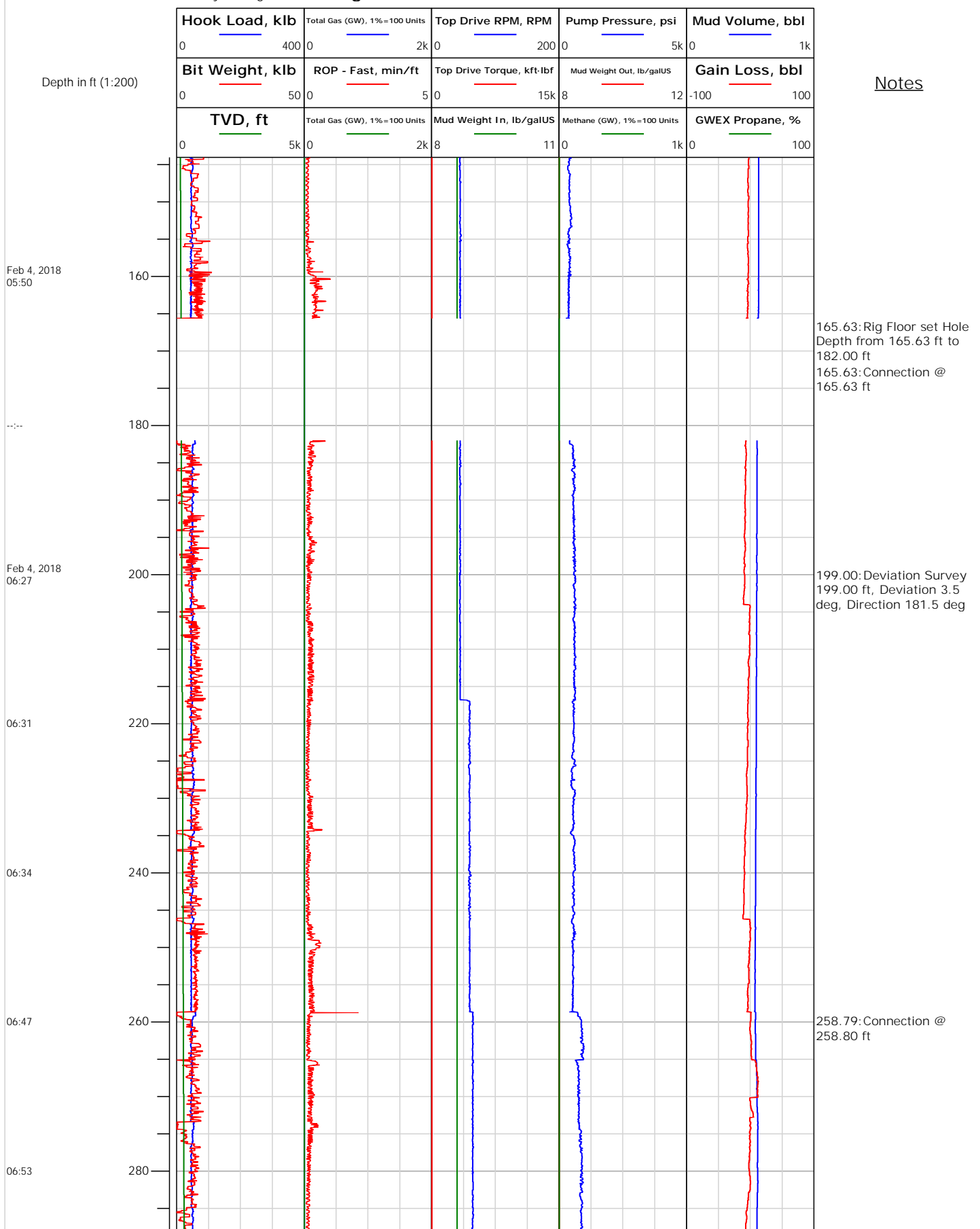
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





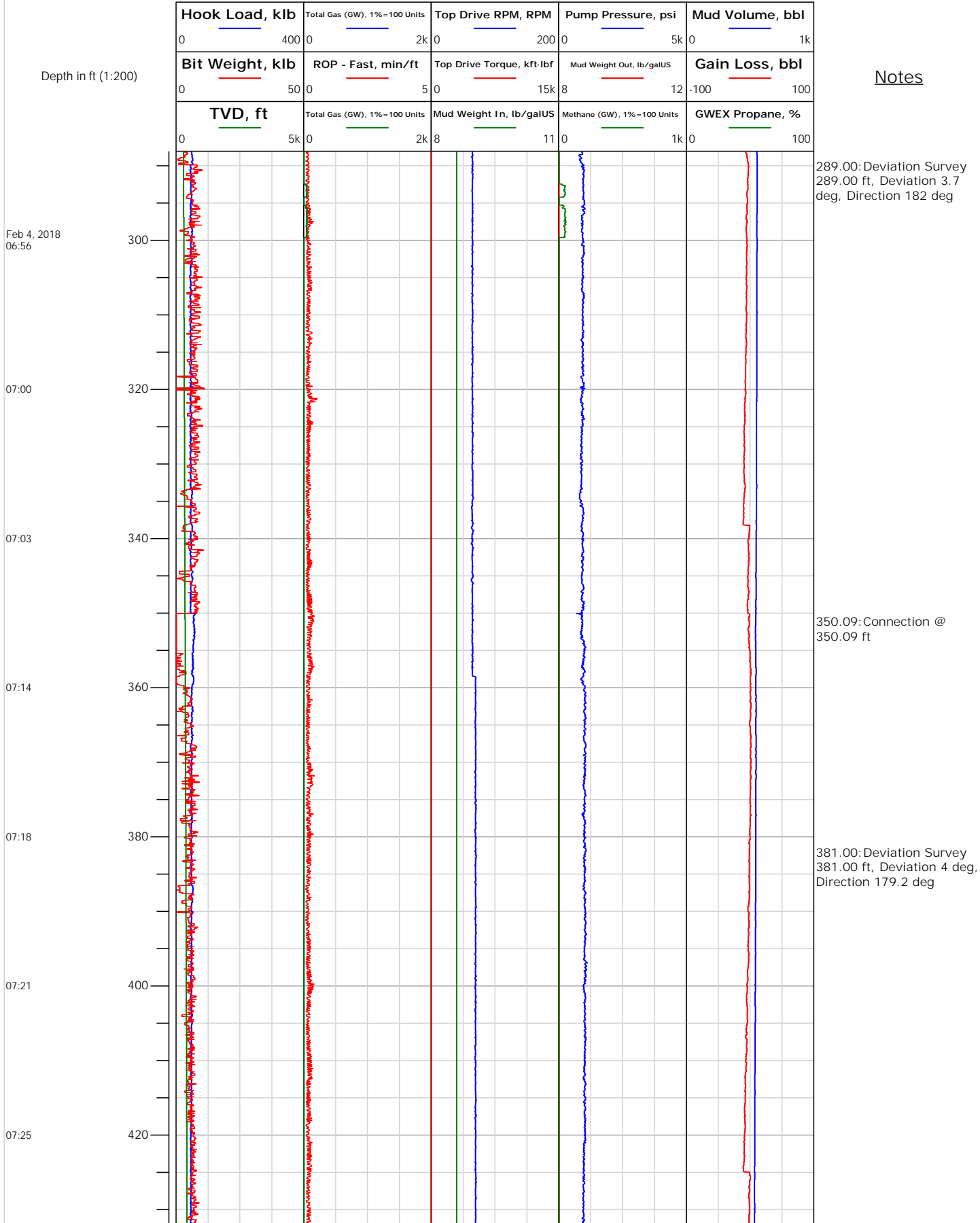
Electronic Drilling Recorder

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Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





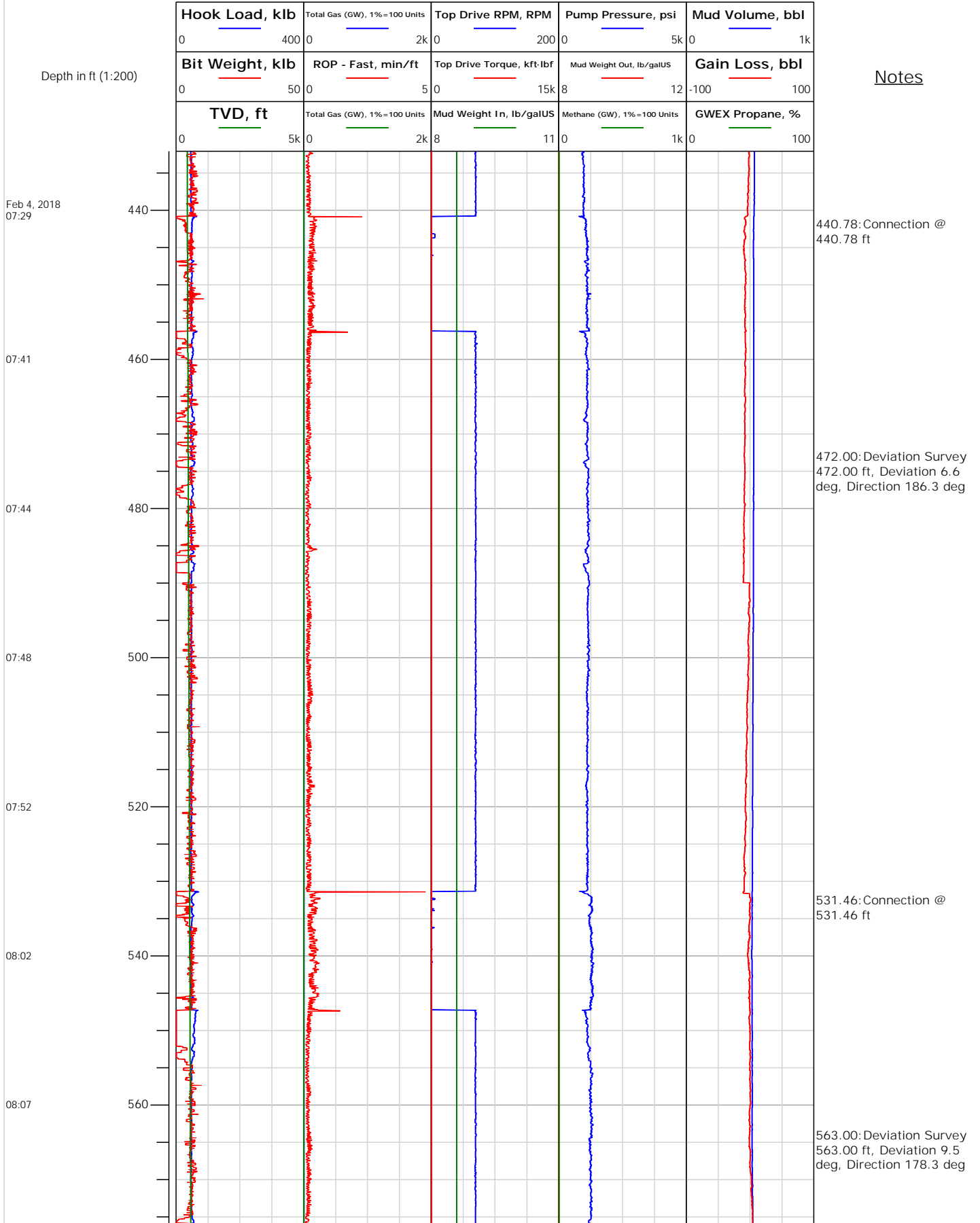
Electronic Drilling Recorder

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Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





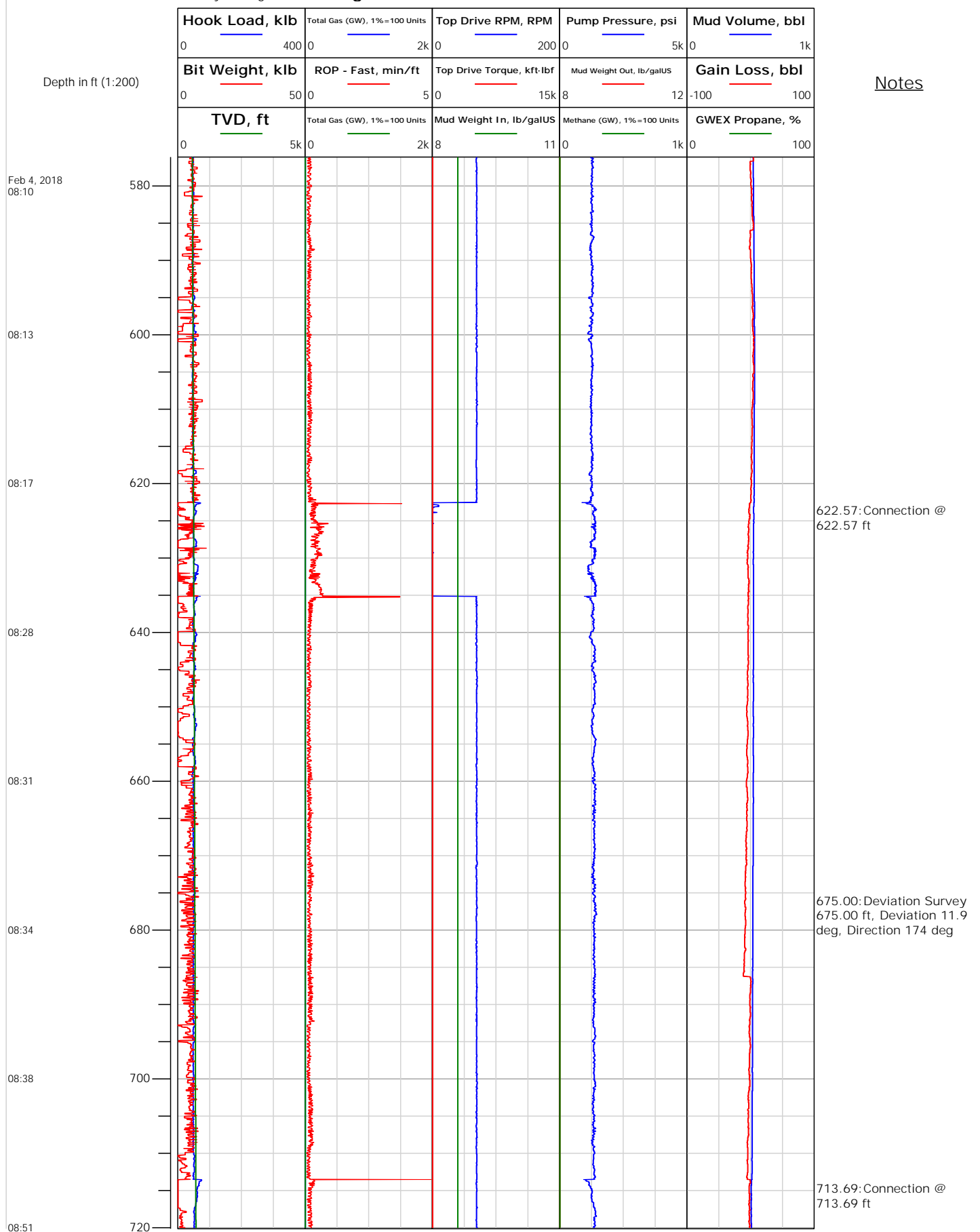
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Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





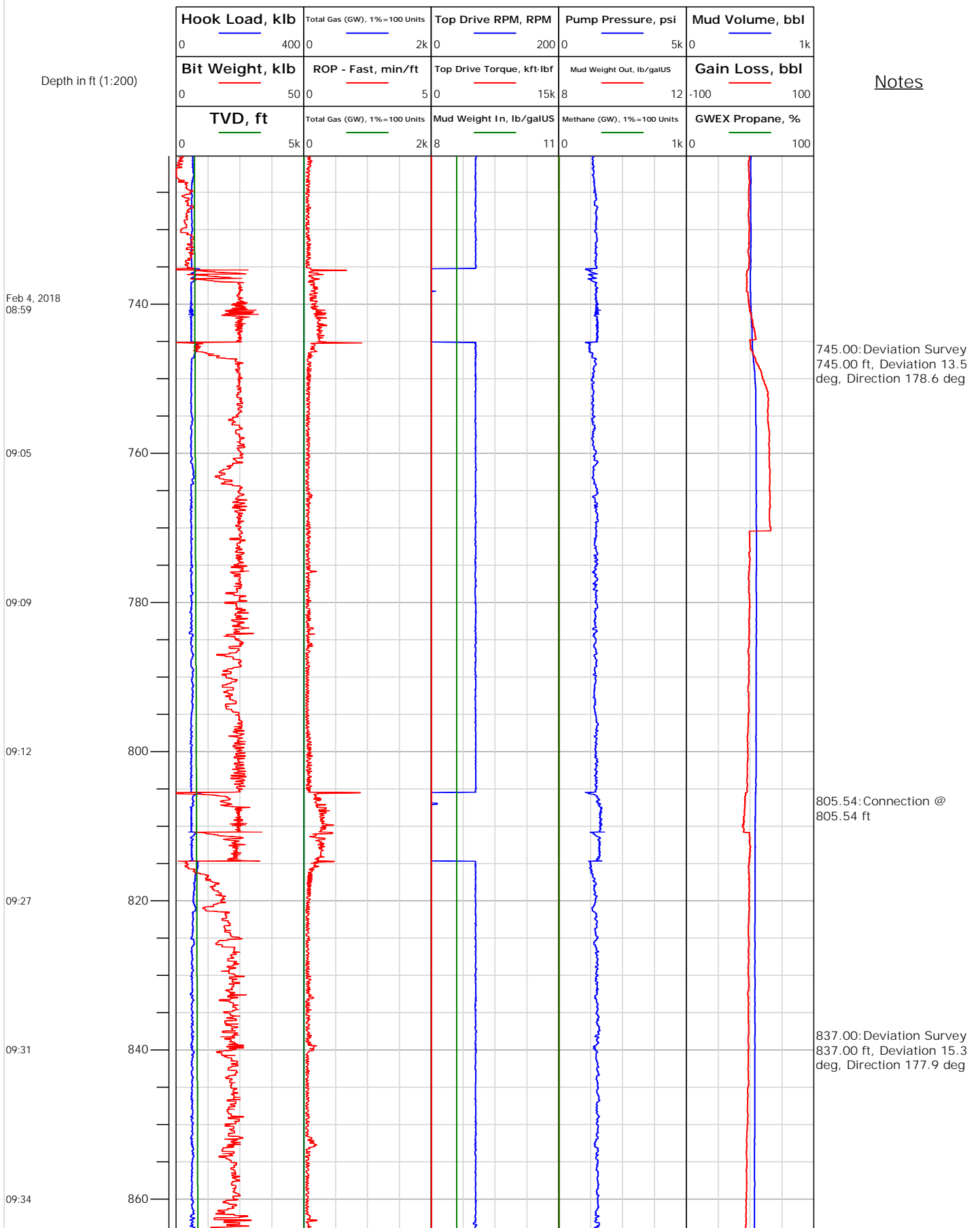
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Rig: 522

Location:

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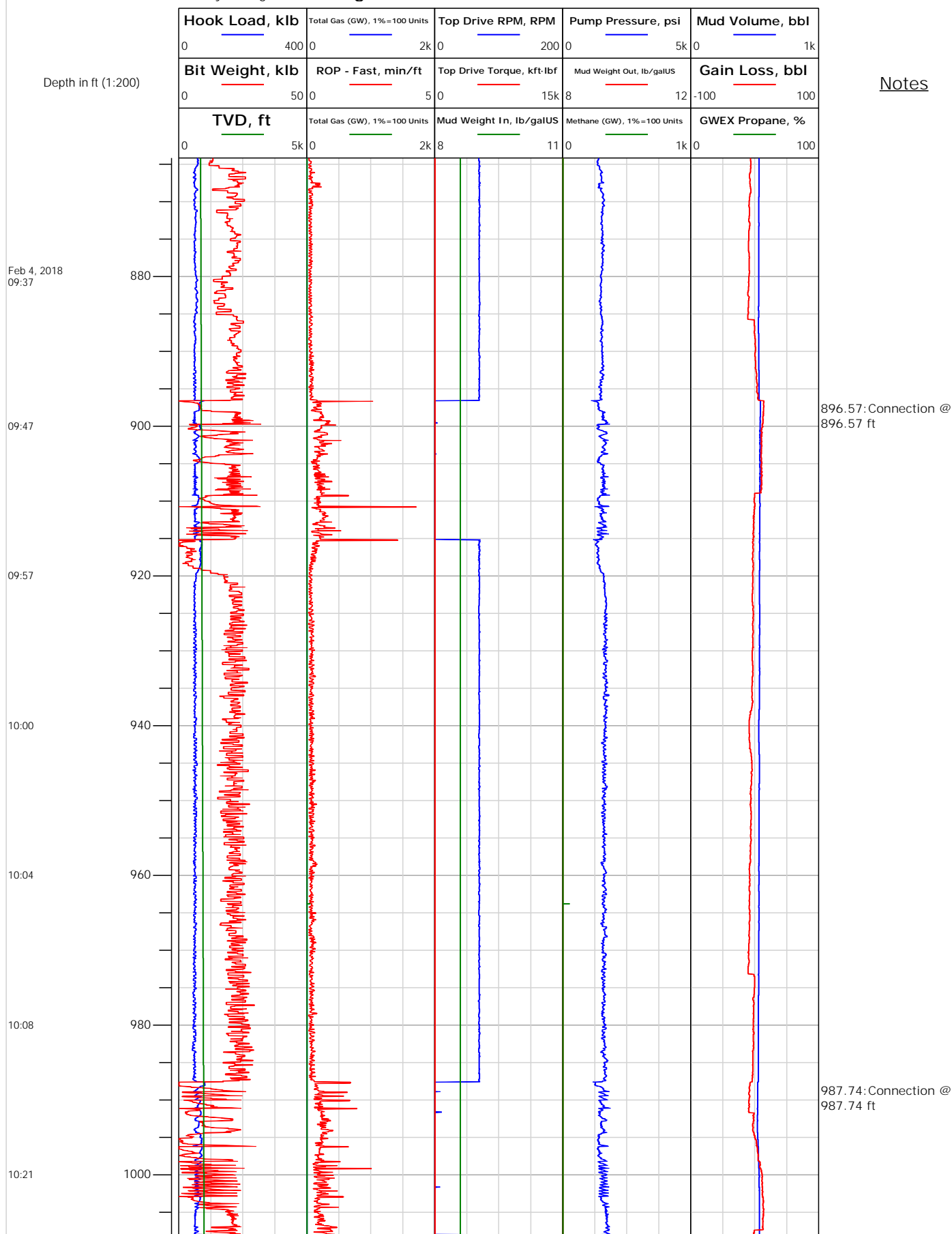
Electronic Drilling Recorder

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Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





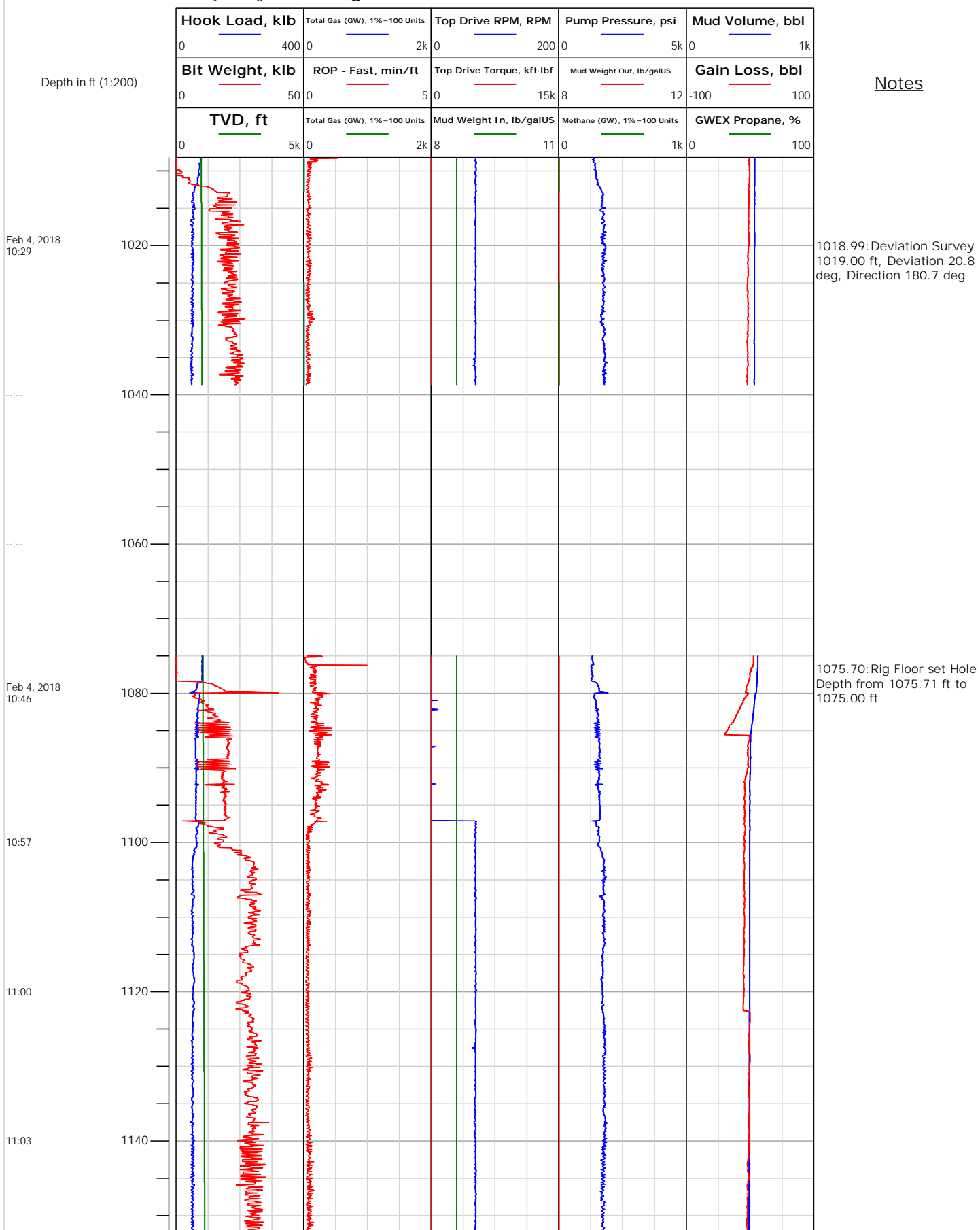
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Rig: 522

Location:

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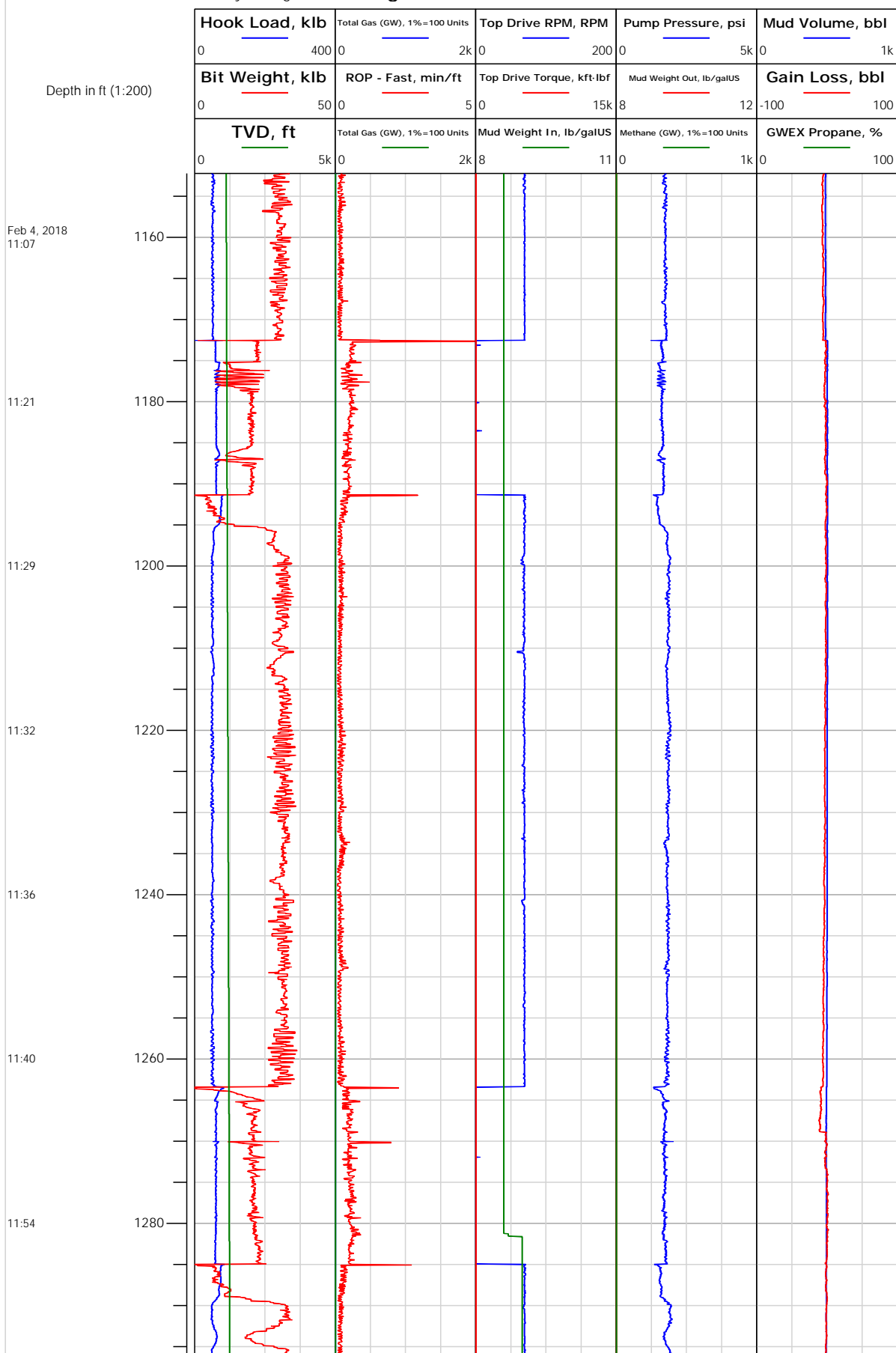
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Rig: 522

Location:

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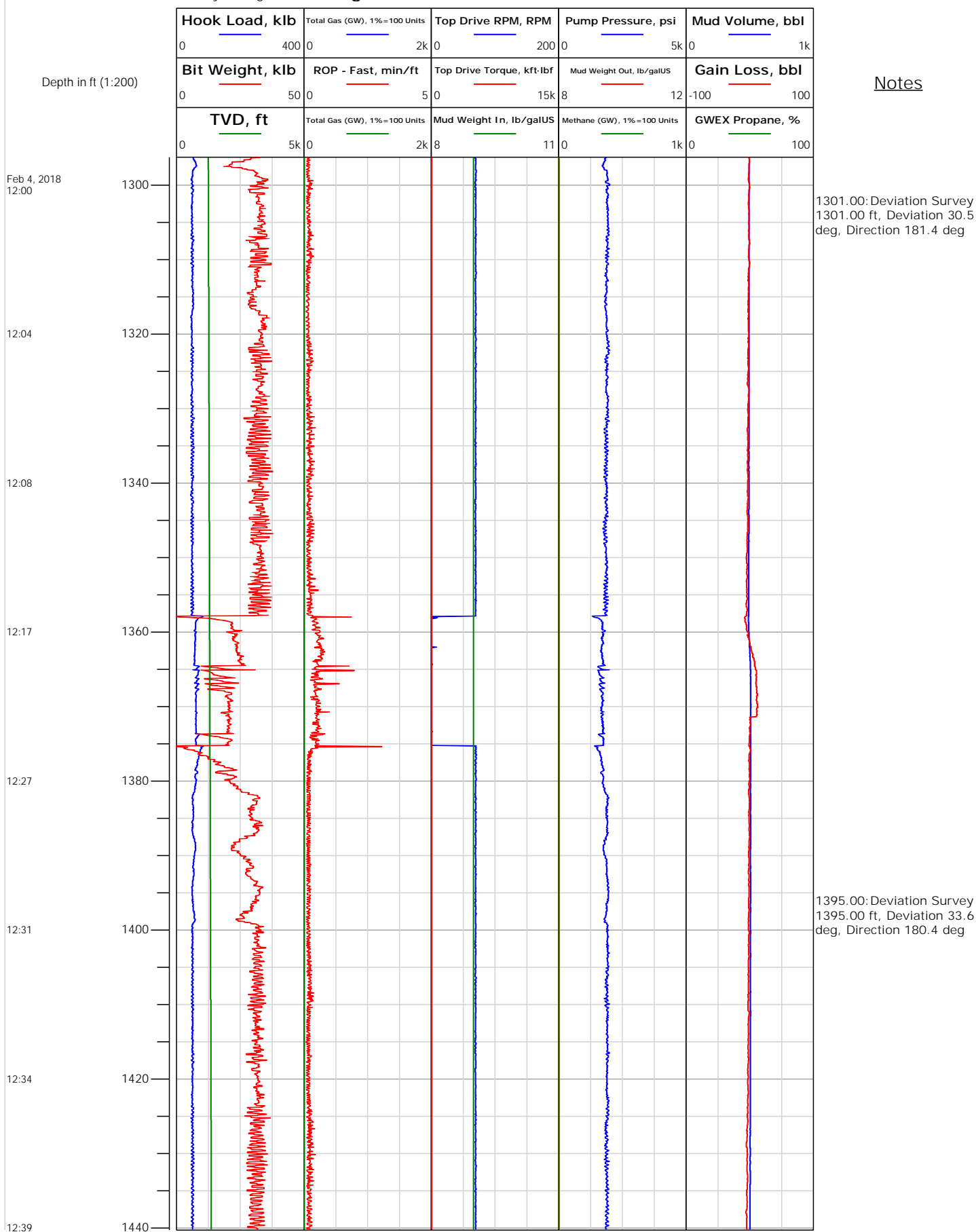
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Well Name: Bruton Federal 31-01E
Rig: 522

Location:

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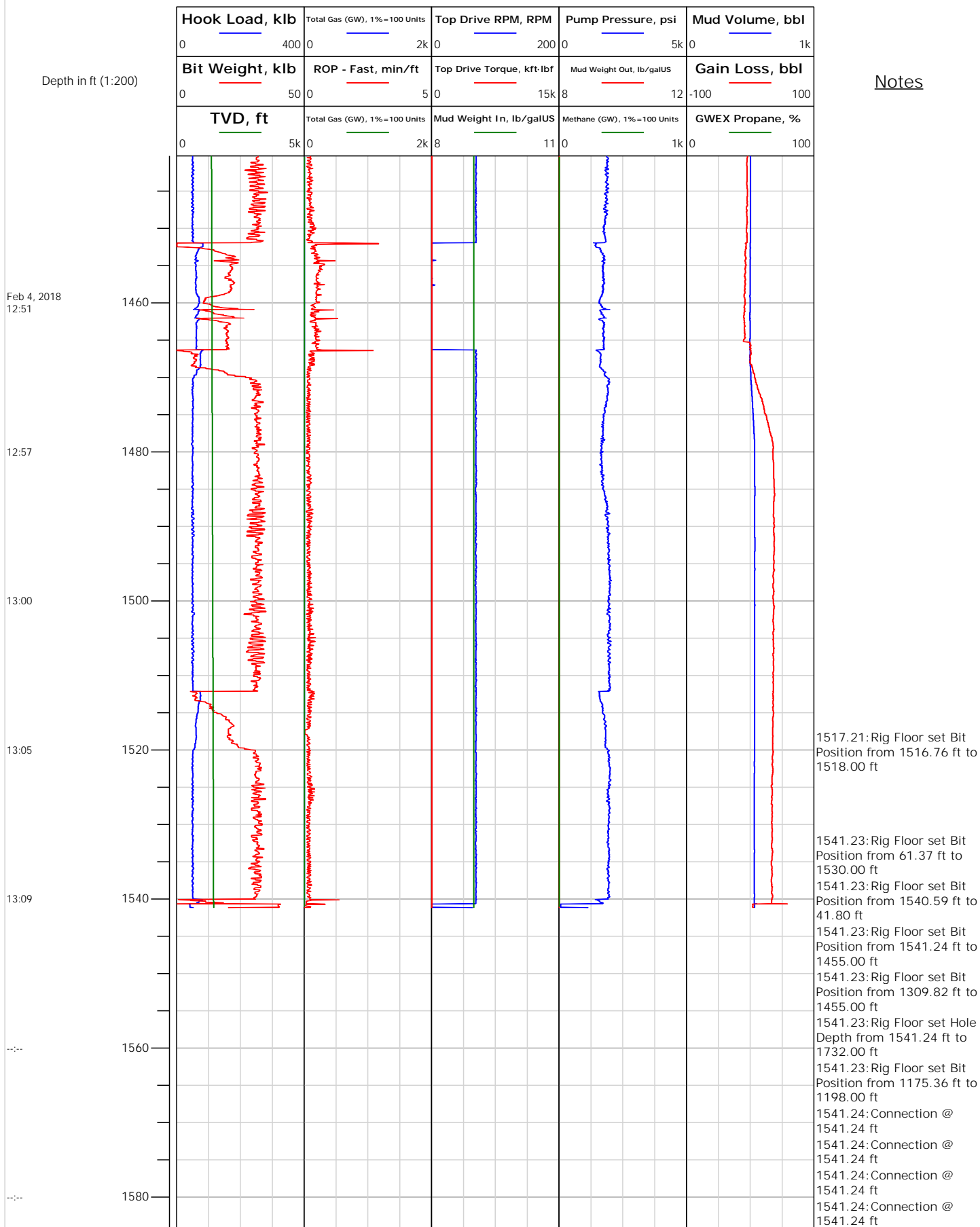
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Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes



Operator: Laramie Energy
Contractor: Helmerich & Payne Drllg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Depth in ft (1:200)

Notes

[illegible]

1609.00: Deviation Survey
1609.00 ft, Deviation 34.1
deg, Direction 173.7 deg

1703.00: Deviation Survey
1703.00 ft, Deviation 34.8
deg, Direction 169.5 deg



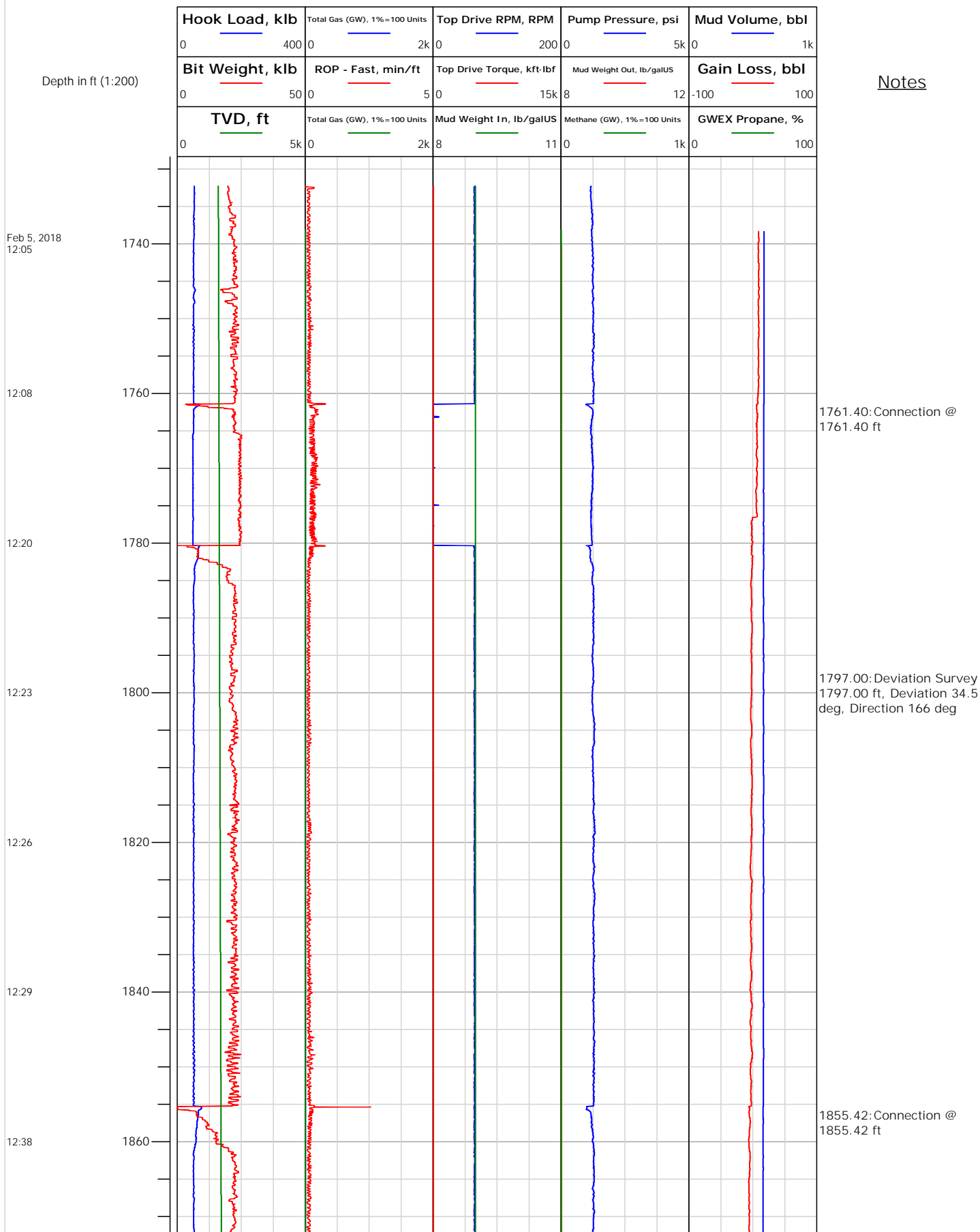
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Rig: 522

Location:

Notes



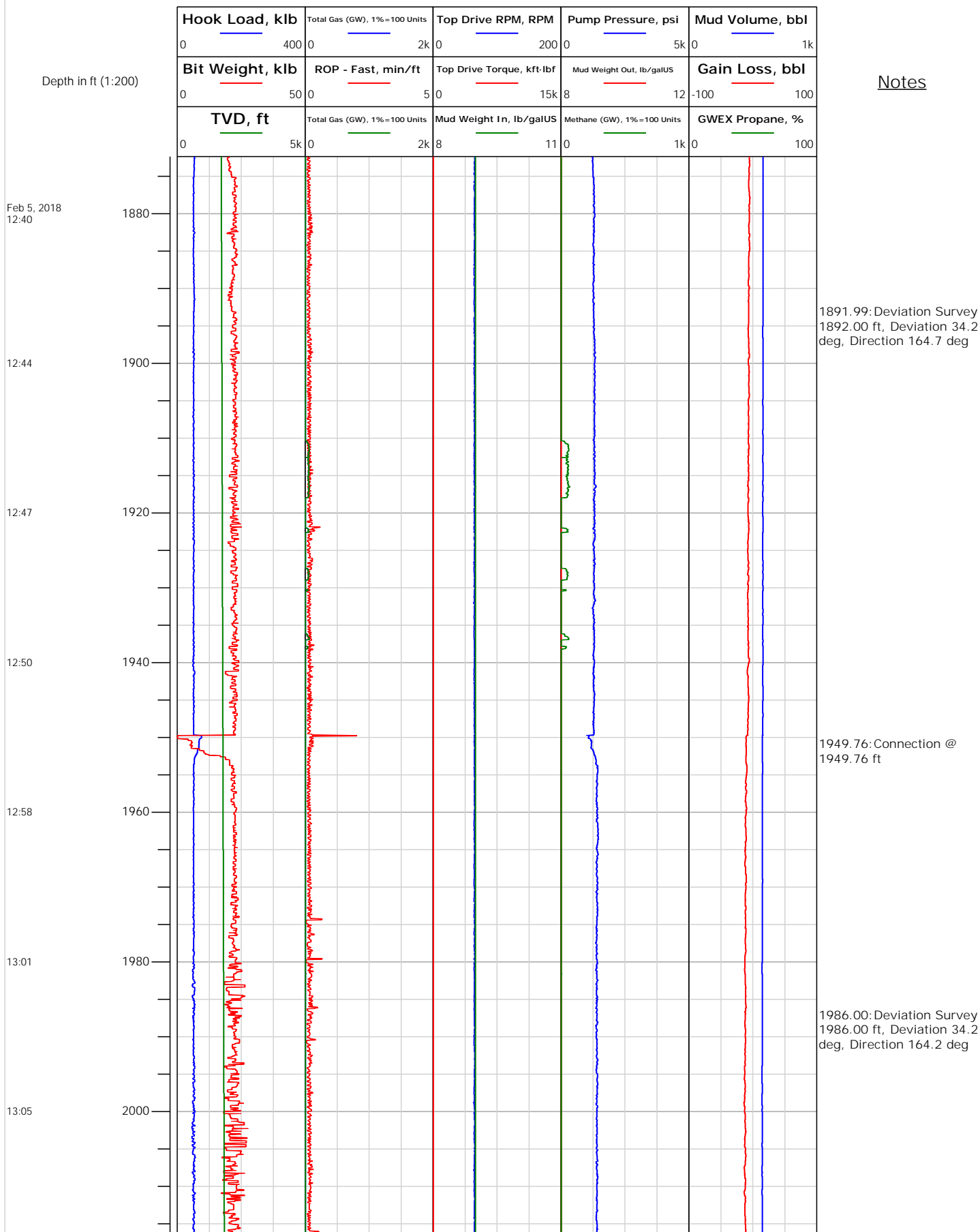


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Location:





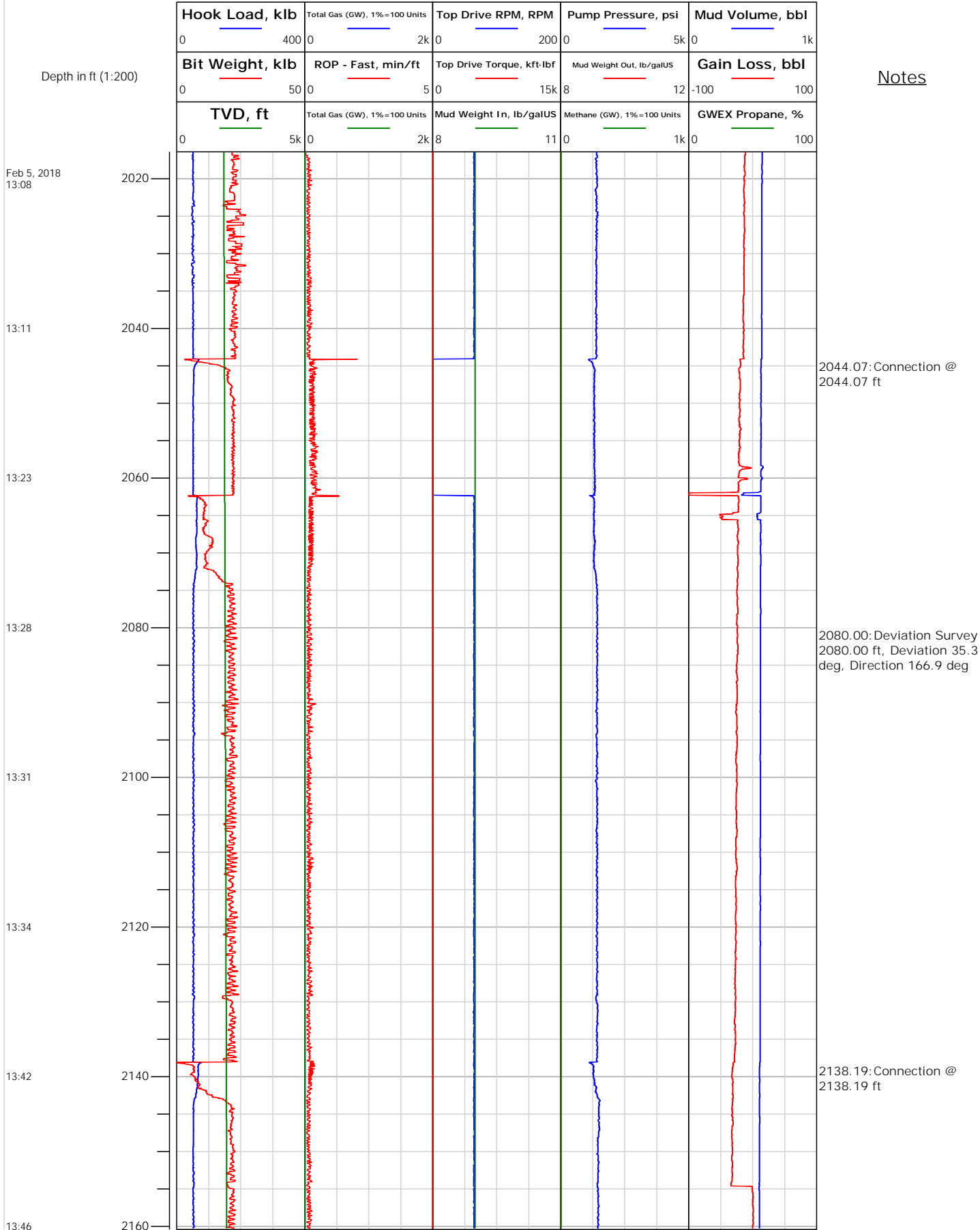
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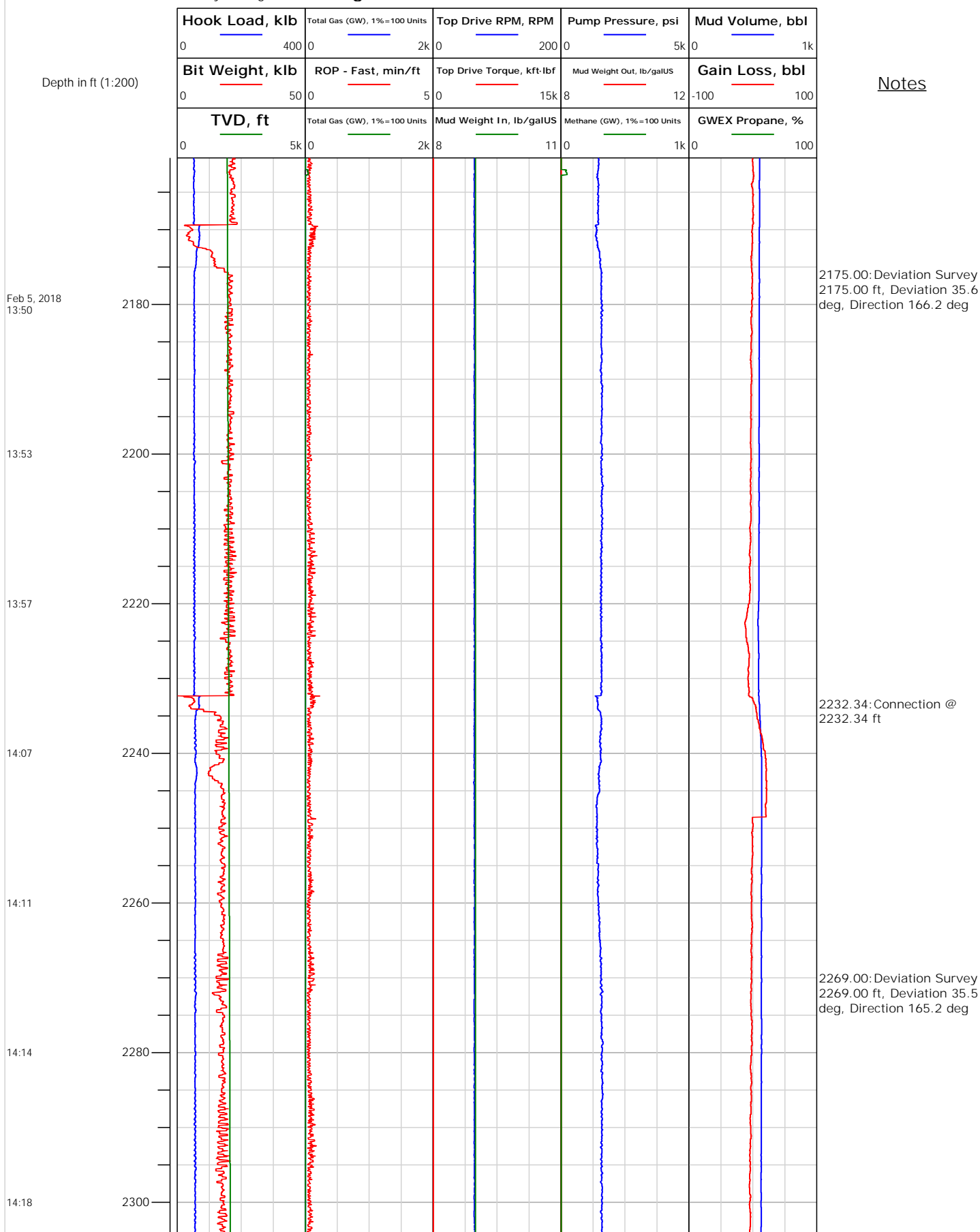
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Rig: 522

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Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Feb 5, 2018
14:21

14:29

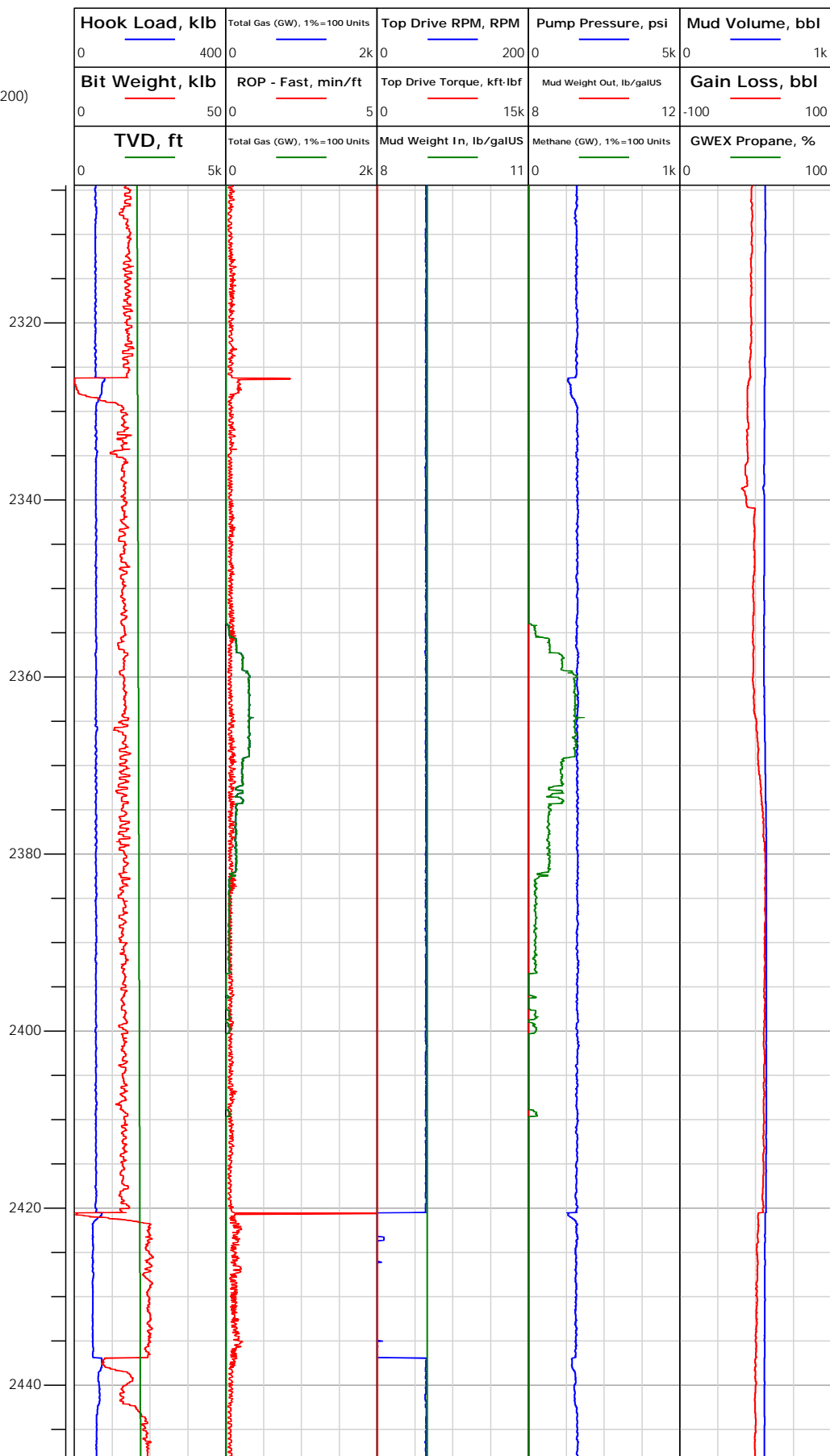
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14:36

14:39

14:42

14:57





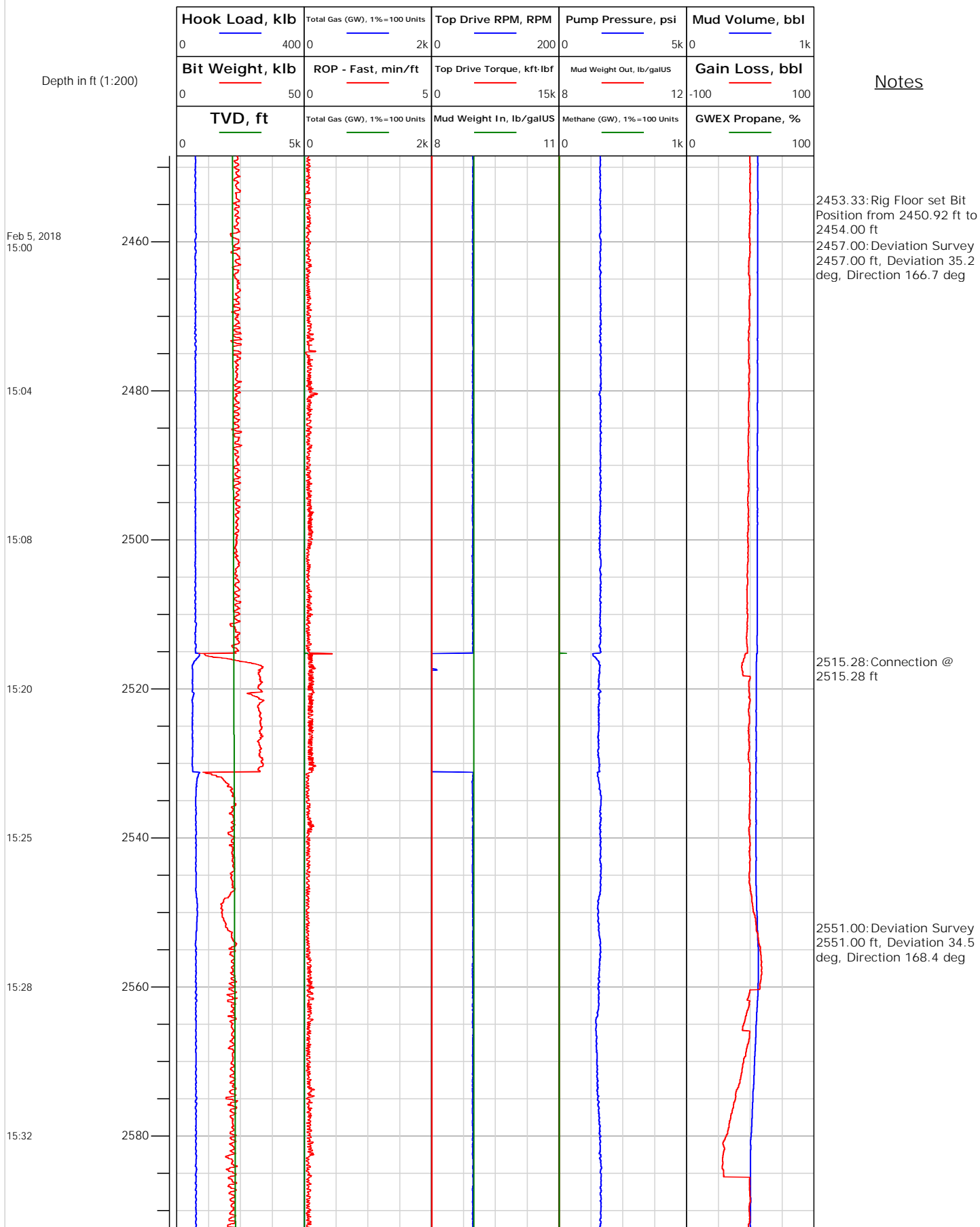
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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

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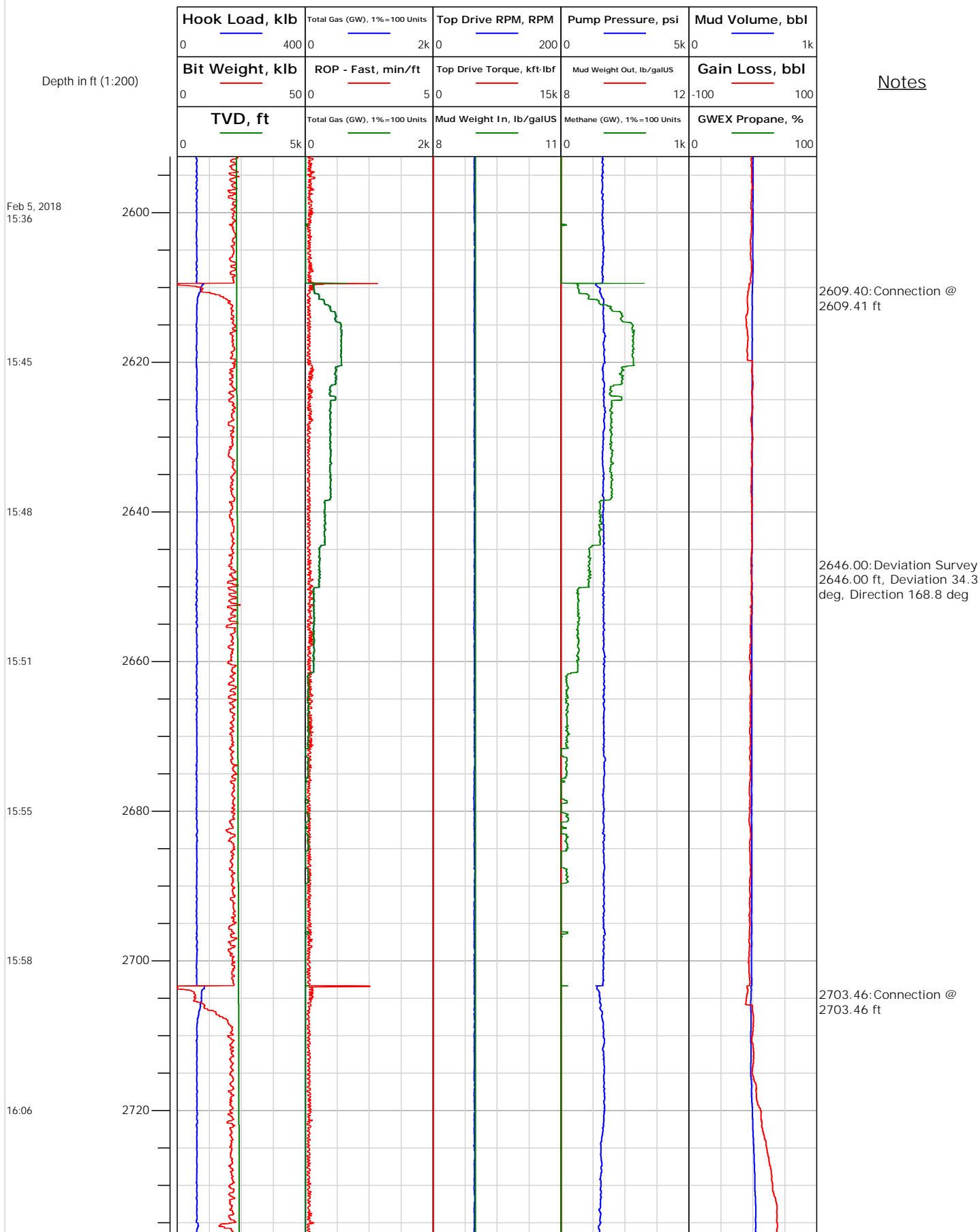
Electronic Drilling Recorder

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Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes



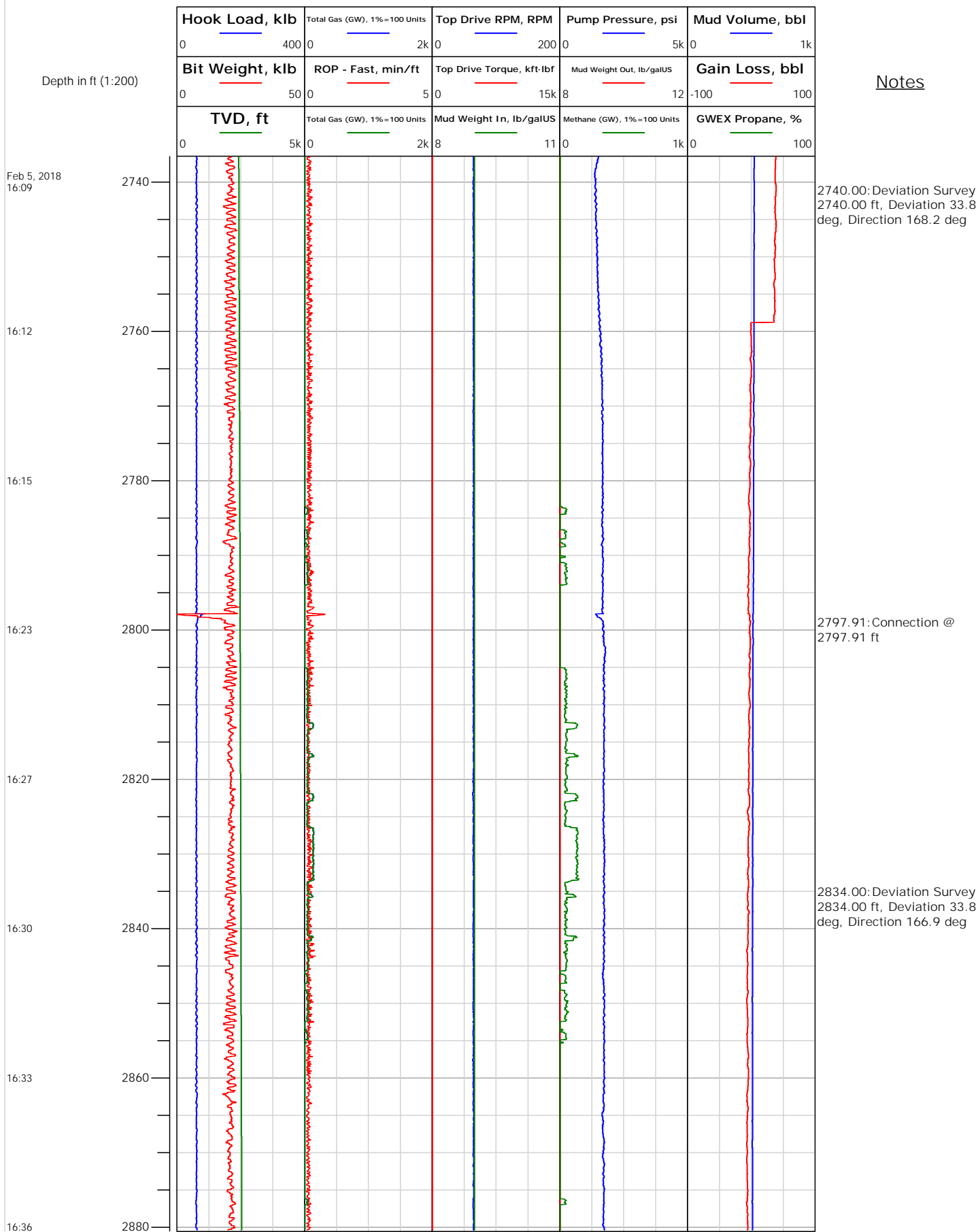


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Rig: 522

Location:





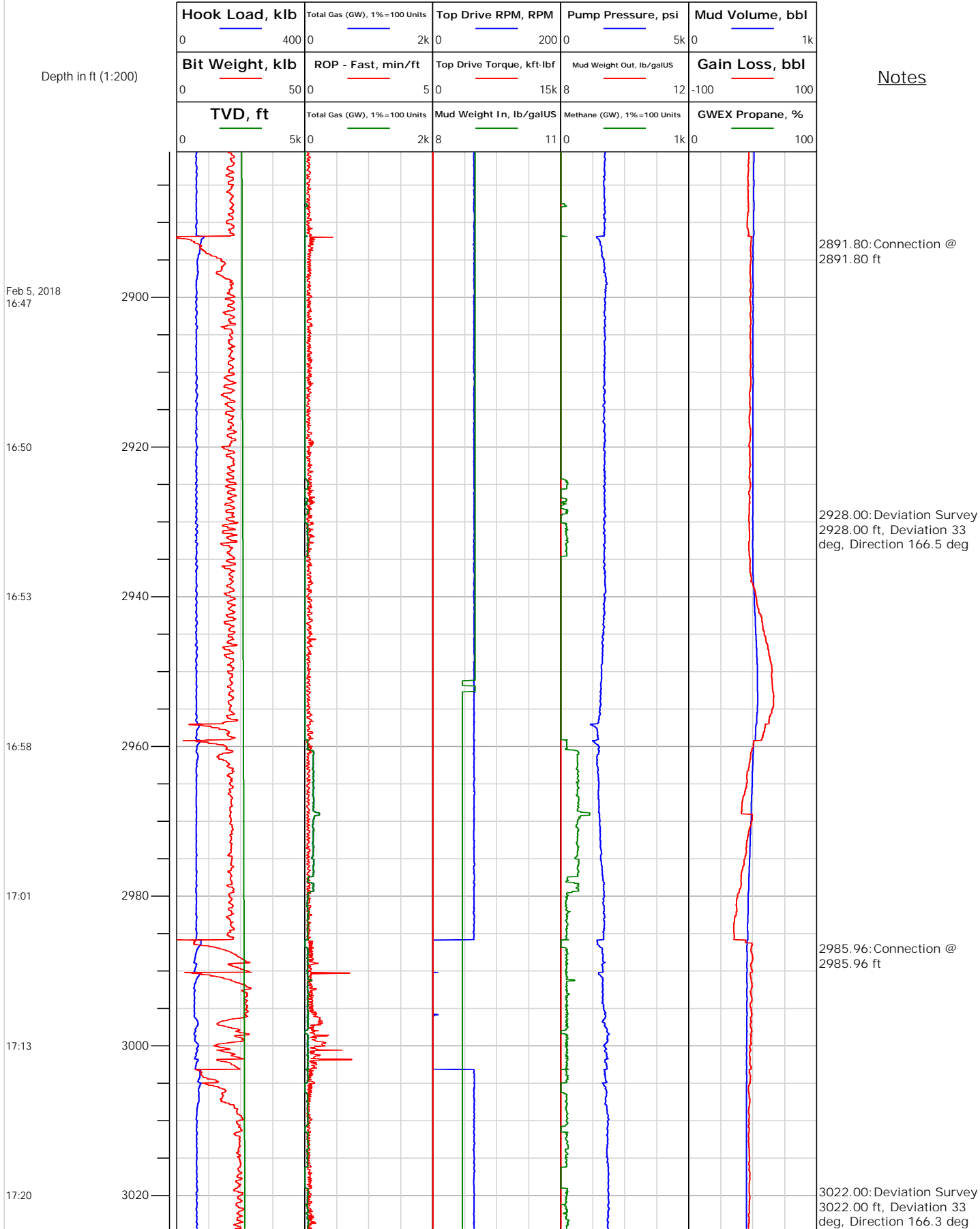
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Well Name: Bruton Federal 31-01E
Rig: 522

Location:

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Electronic Drilling Recorder

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Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Feb 5, 2018
17:23

17:26

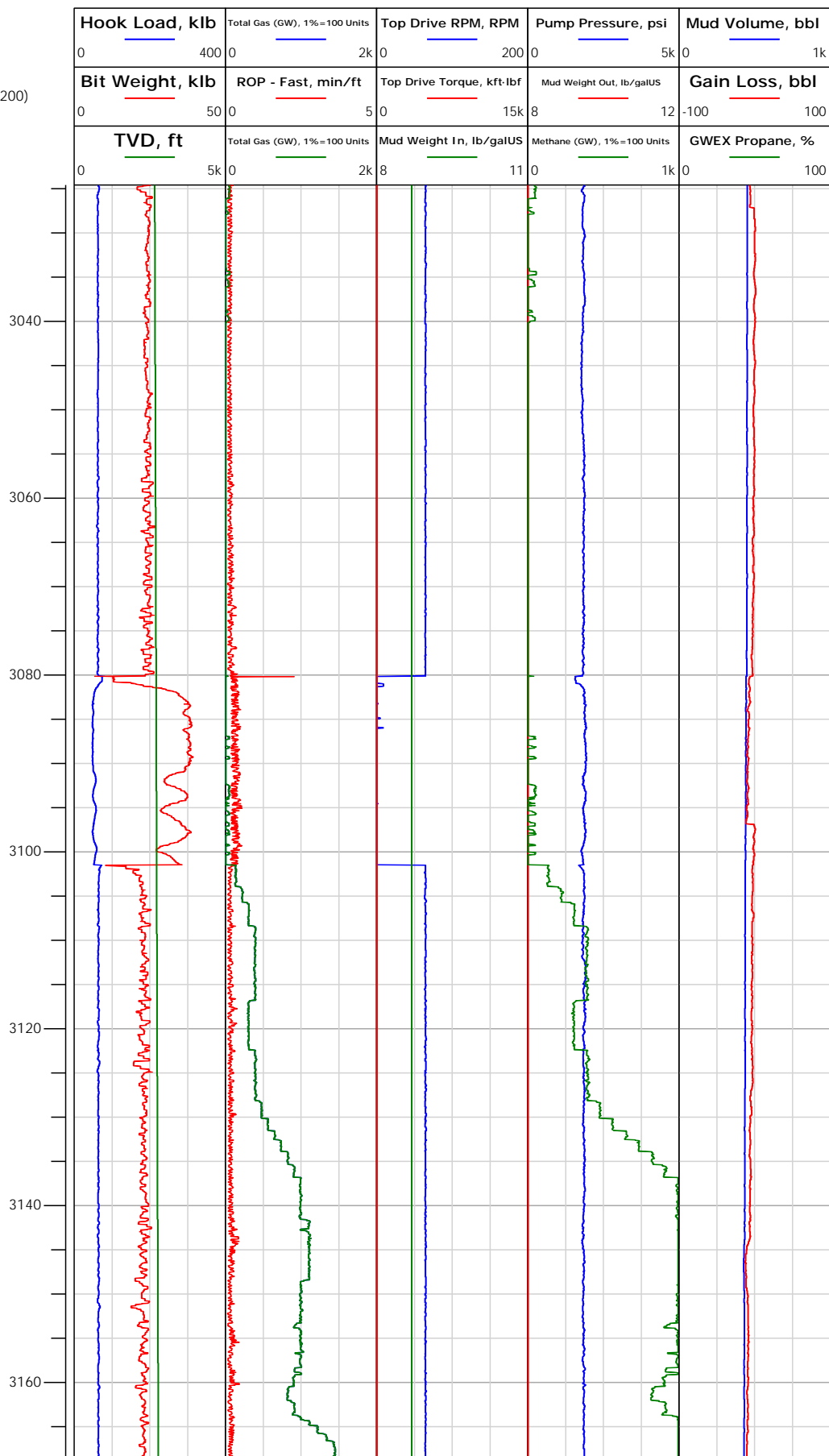
17:29

17:41

17:45

17:48

17:52



3080.19: Connection @
3080.19 ft

3116.00: Deviation Survey
3116.00 ft, Deviation 33.5
deg, Direction 167.2 deg



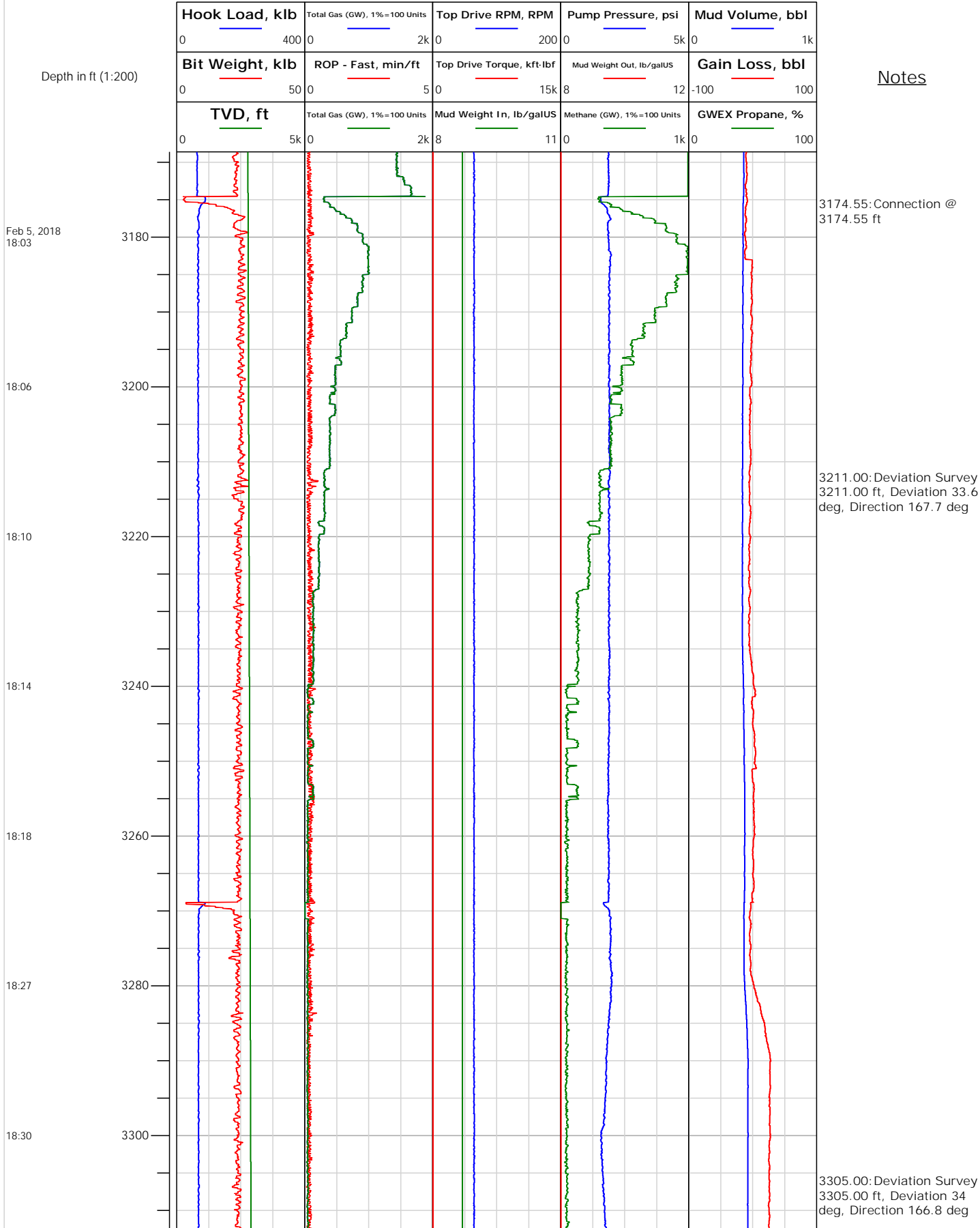
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





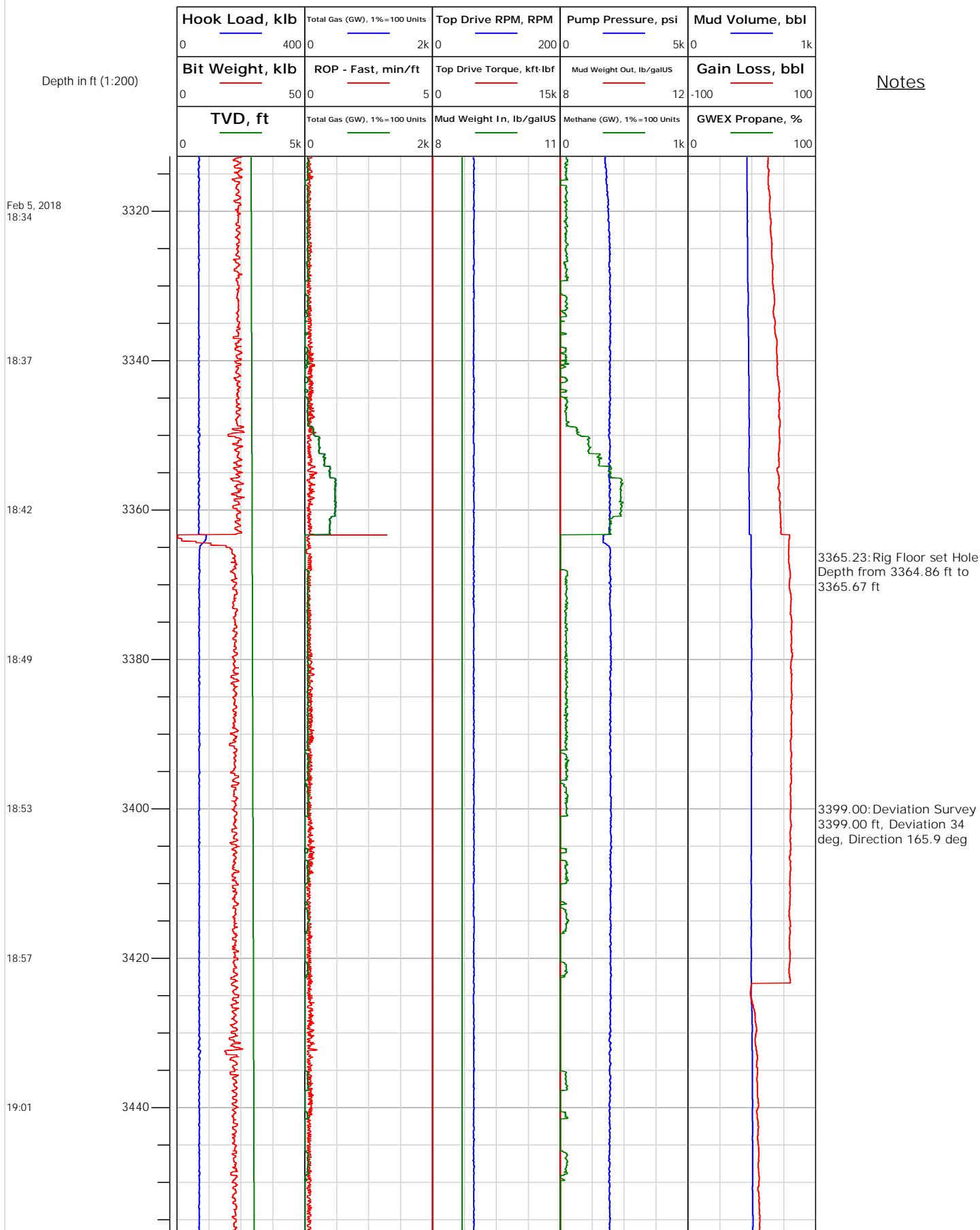
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





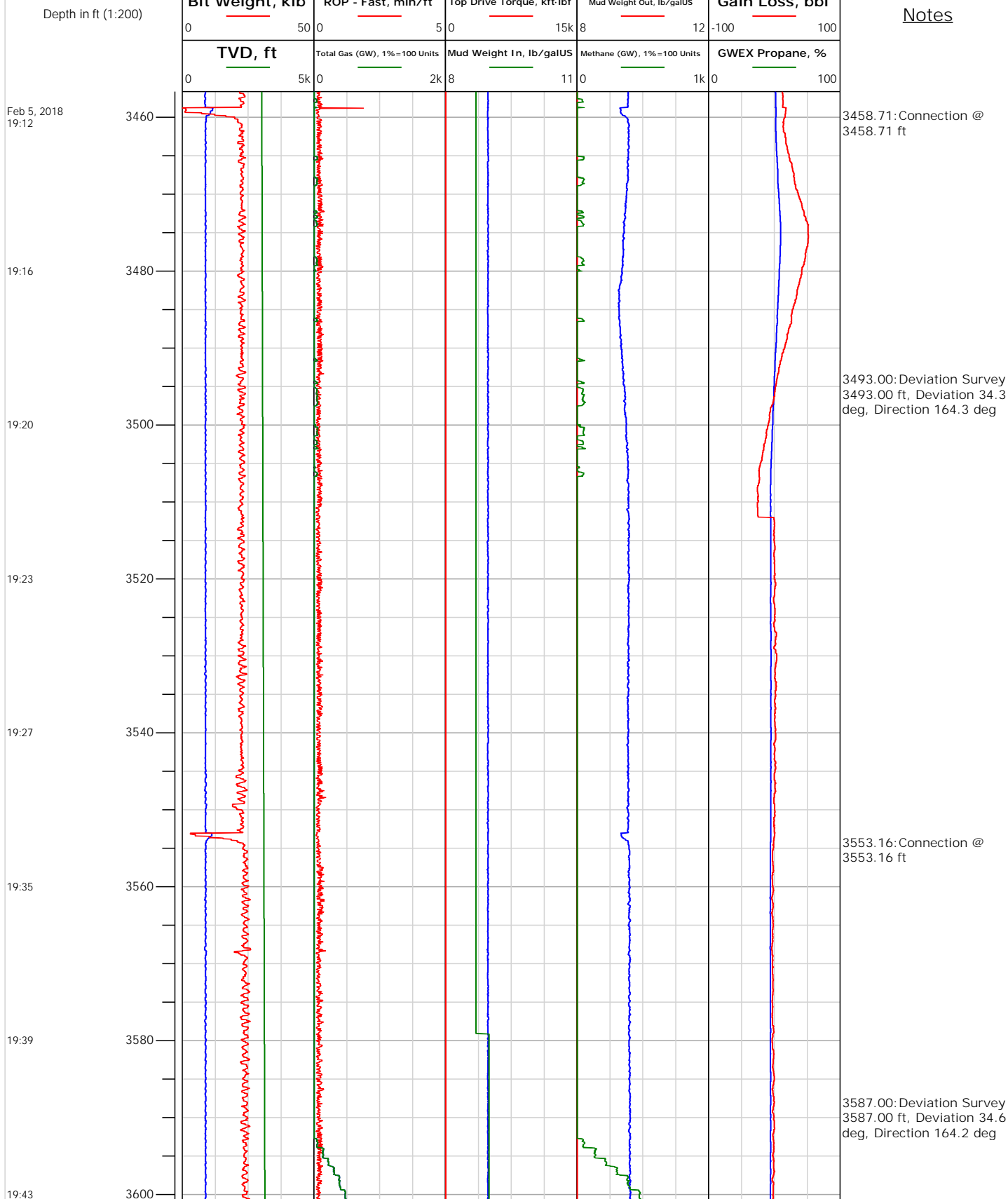
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





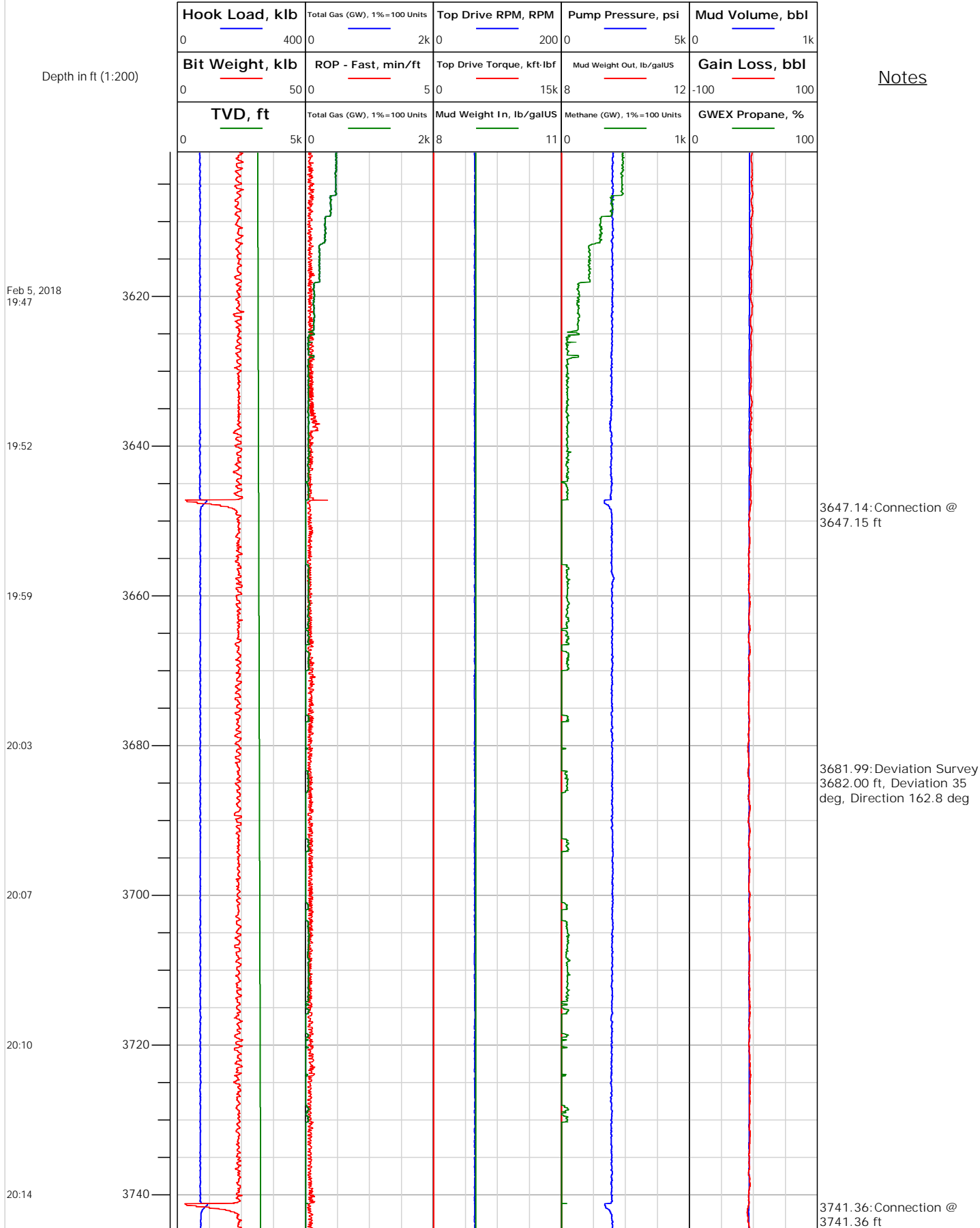
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





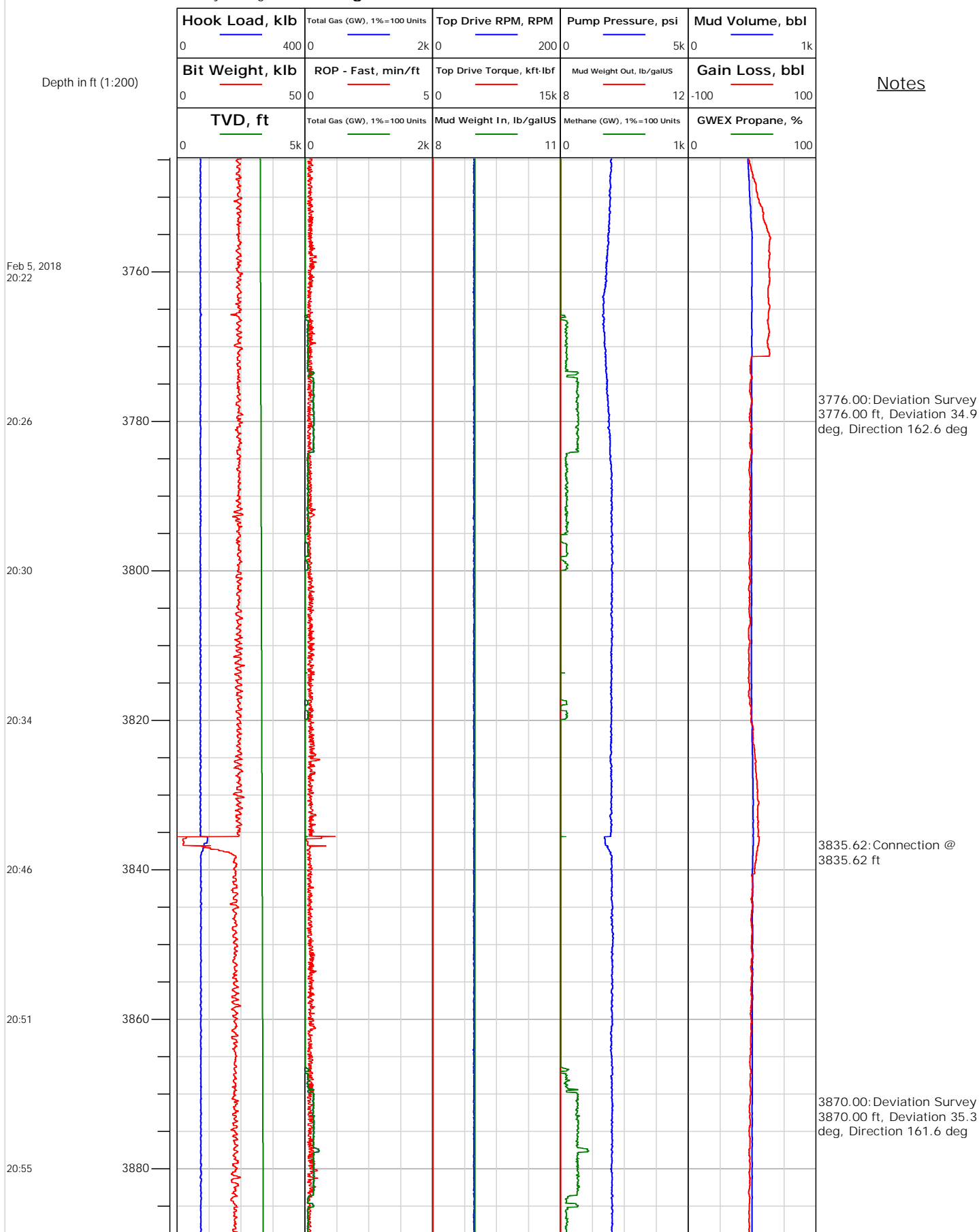
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





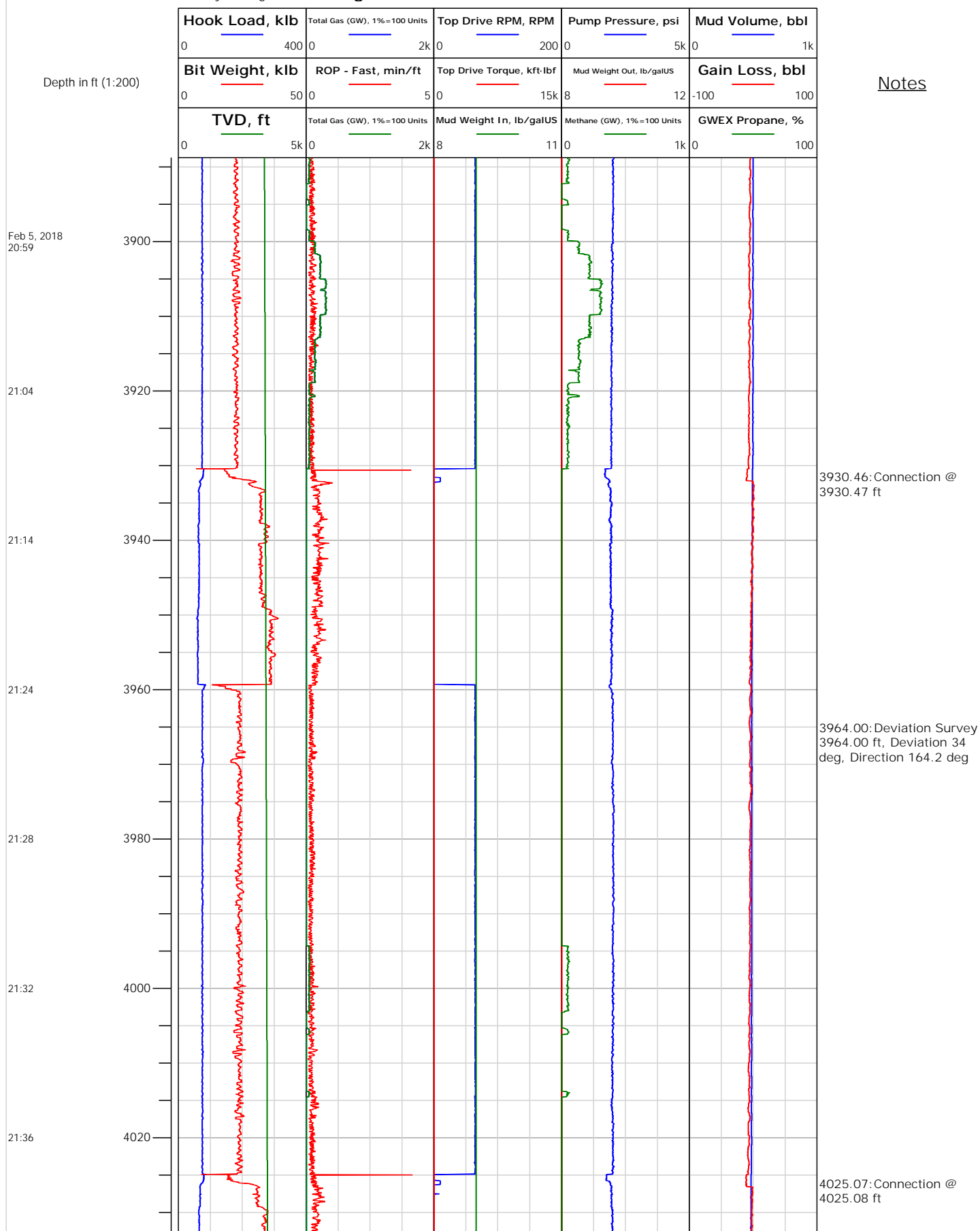
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





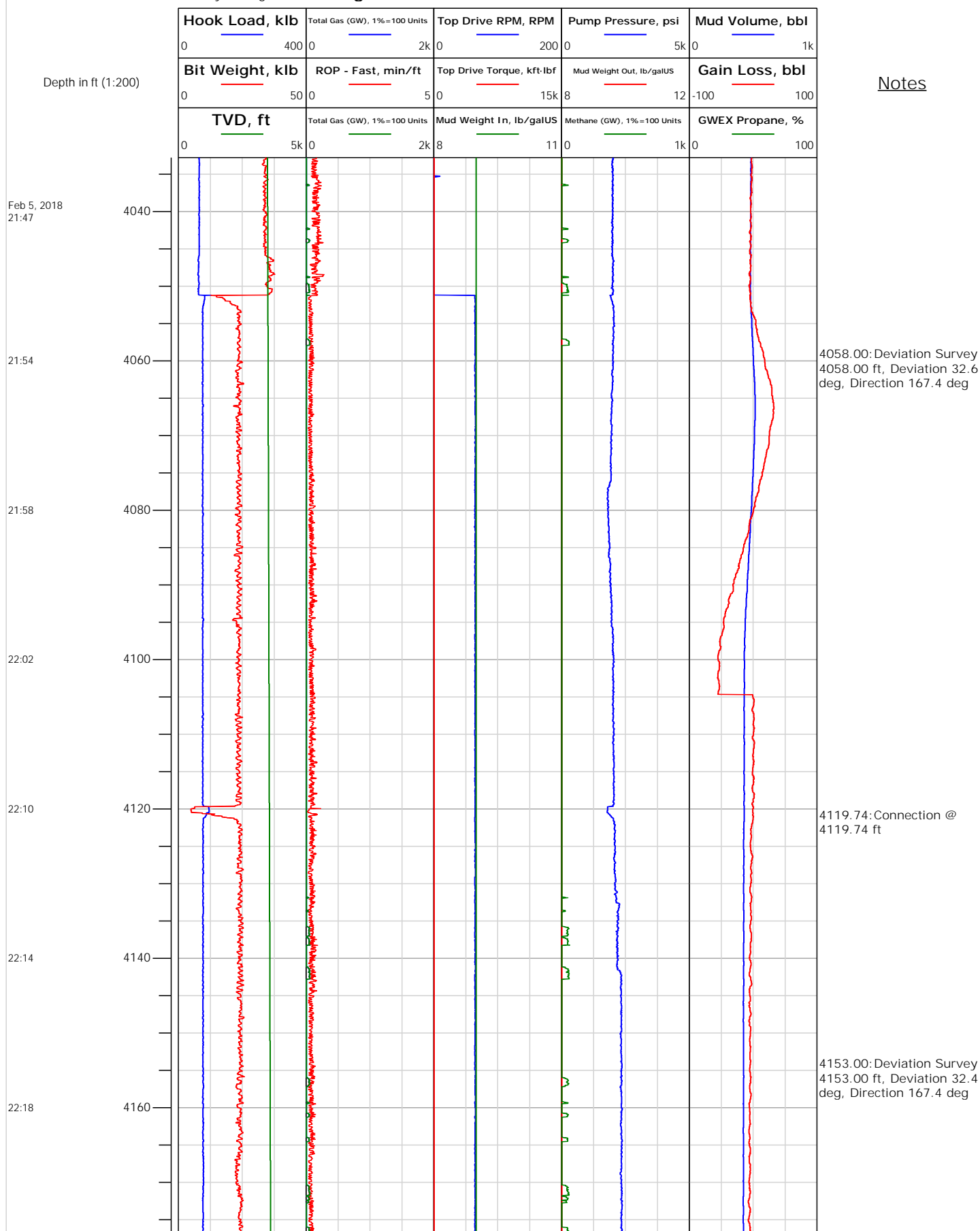
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





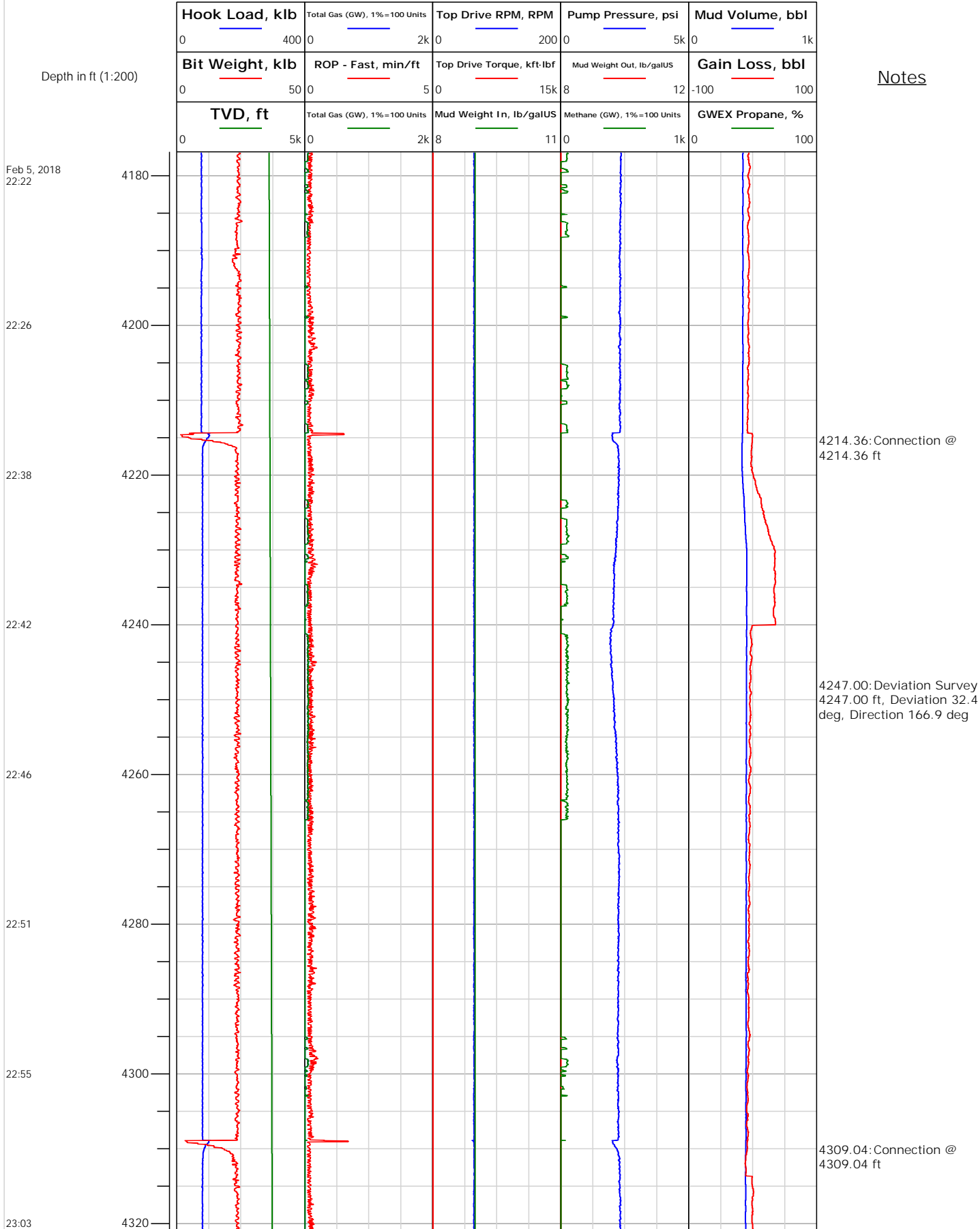
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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Feb 5, 2018
23:07

23:12

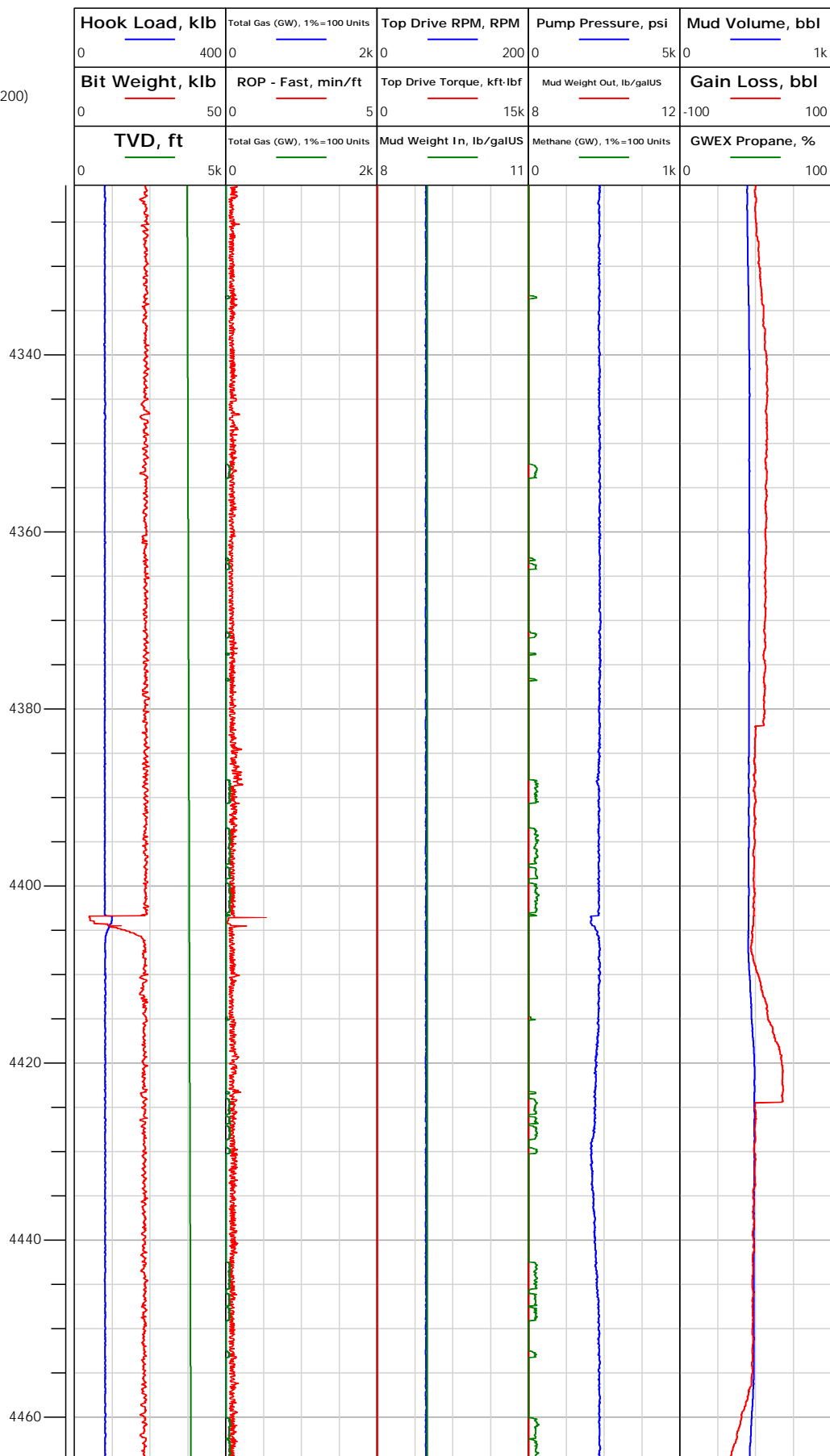
23:16

23:21

23:29

23:33

23:38



4341.00: Deviation Survey
4341.00 ft, Deviation 32.1 deg, Direction 166.2 deg

4403.48: Connection @
4403.48 ft

4435.00: Deviation Survey
4435.00 ft, Deviation 32.7 deg, Direction 166.6 deg



Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Feb 5, 2018
23:44

Feb 6, 2018
00:01

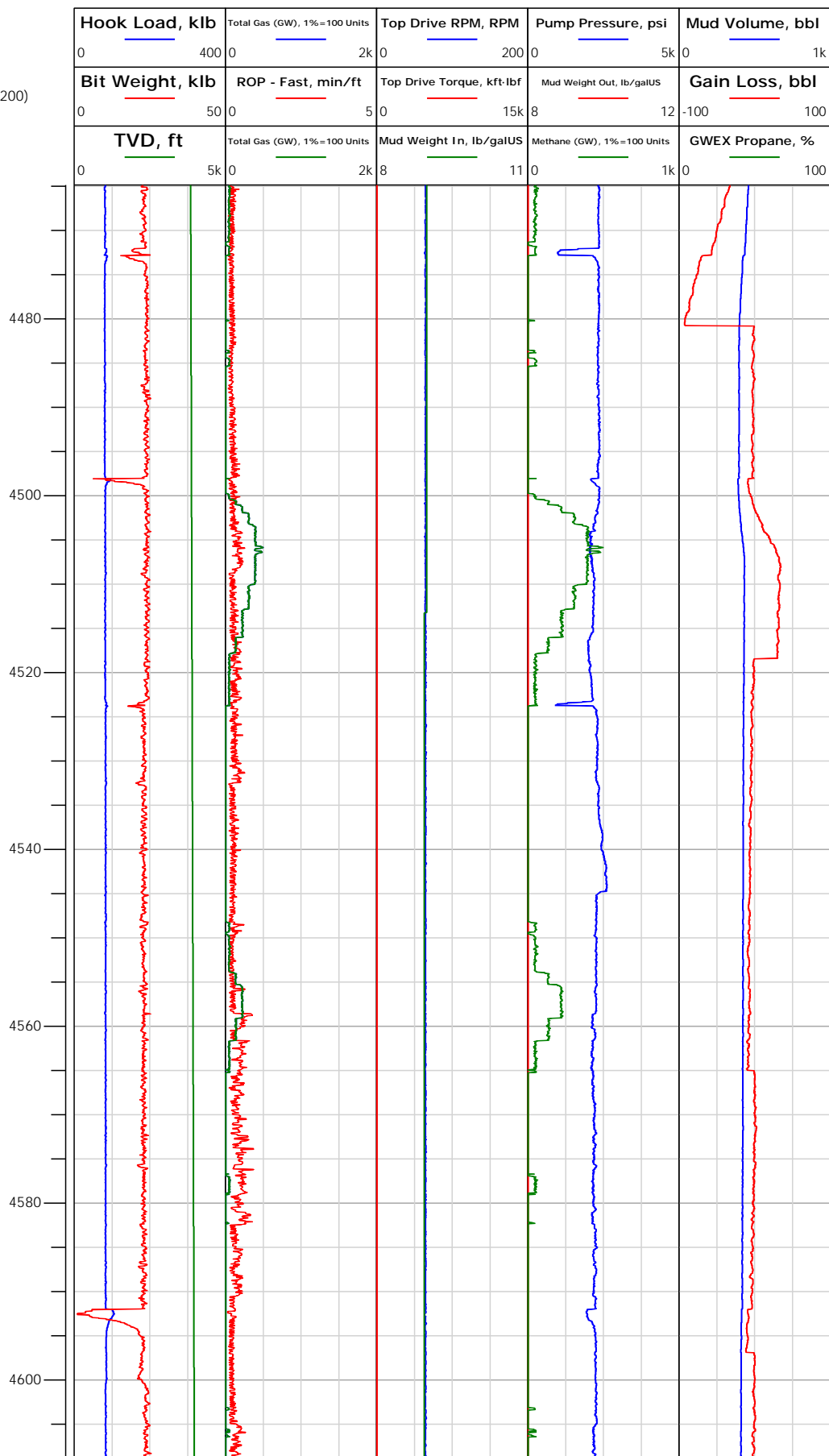
00:07

00:16

00:21

00:30

00:44



4498.04: Connection @
4498.04 ft

4529.00: Deviation Survey
4529.00 ft, Deviation 33
deg, Direction 165.8 deg



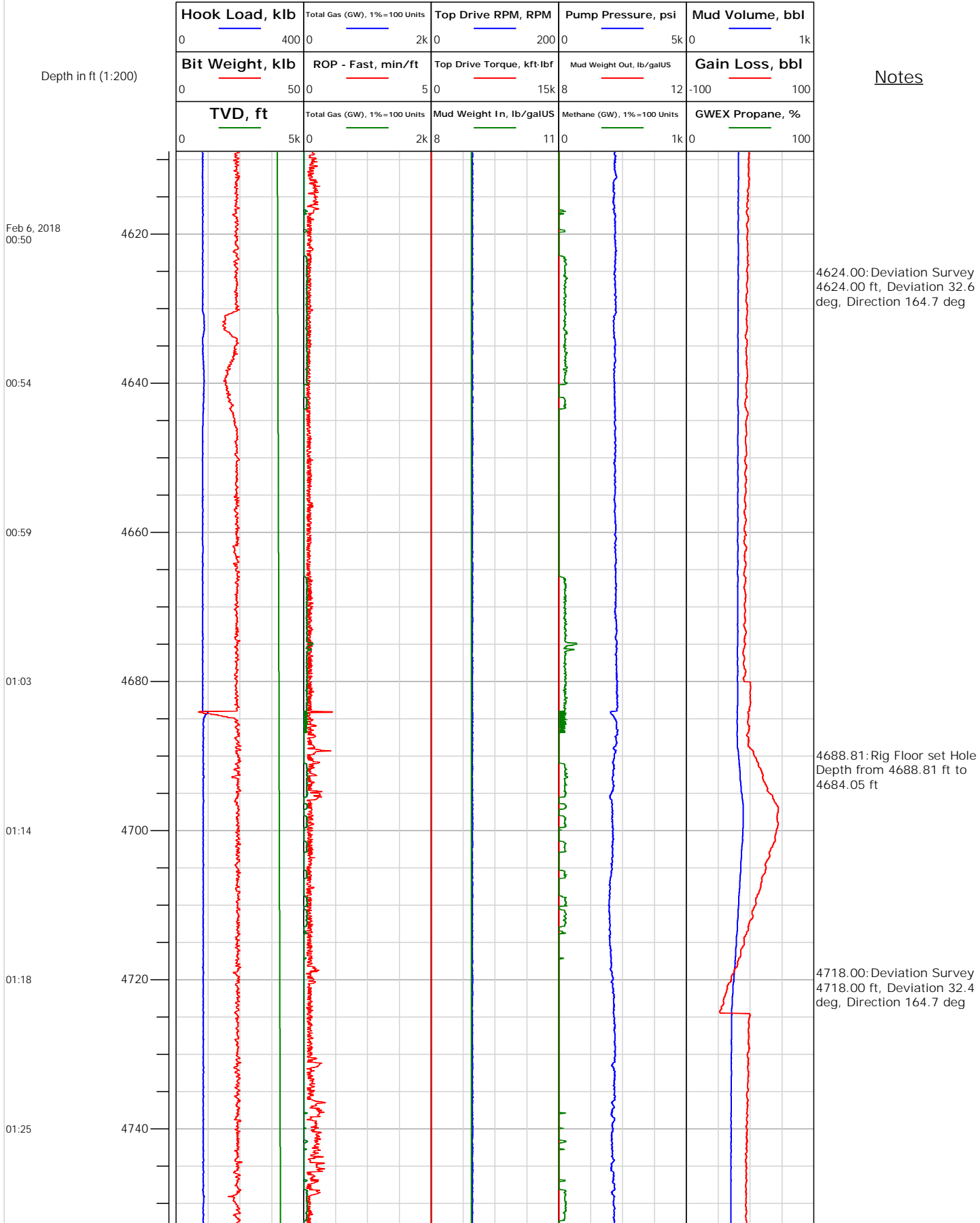
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





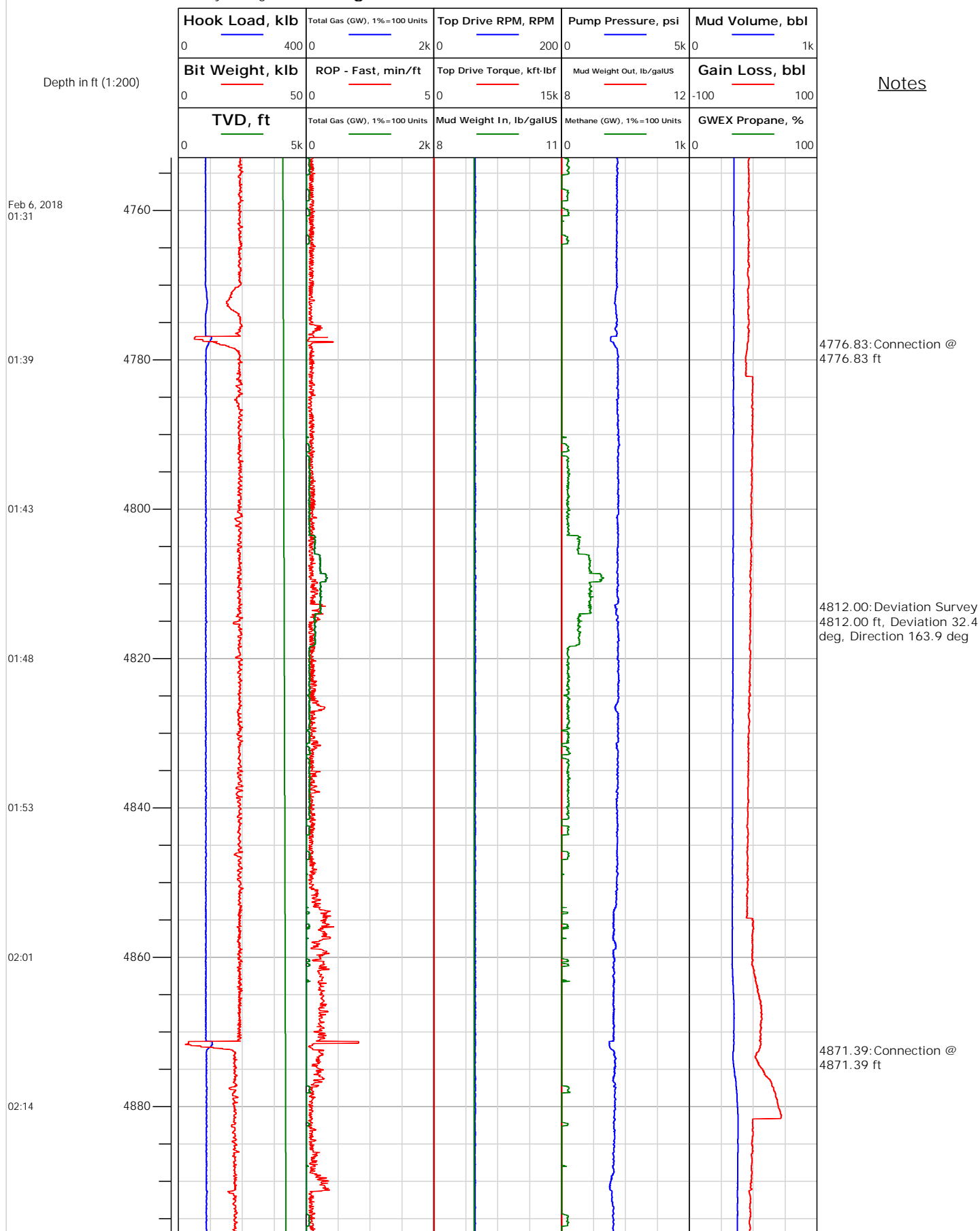
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes



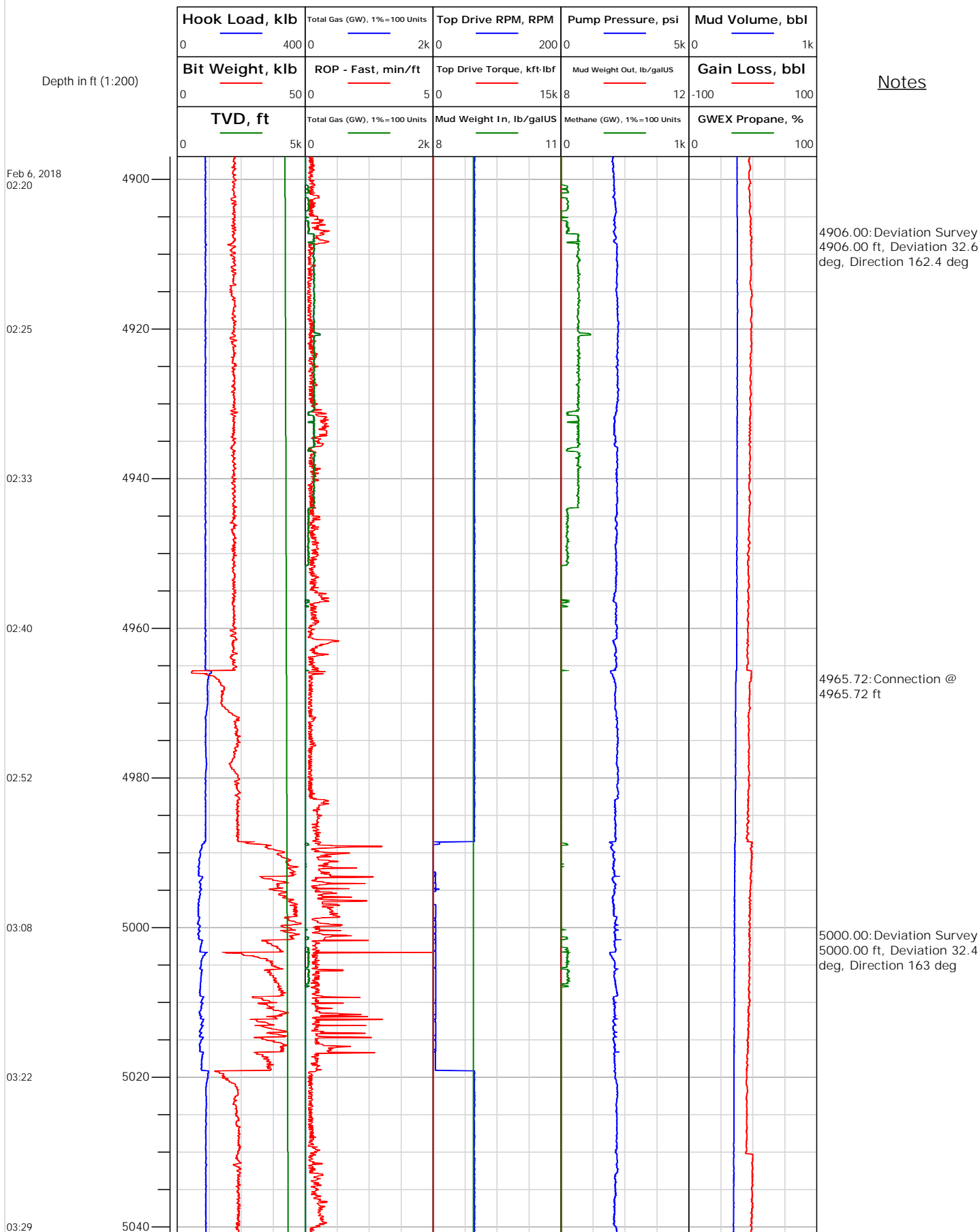


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Feb 6, 2018
03:35

03:45

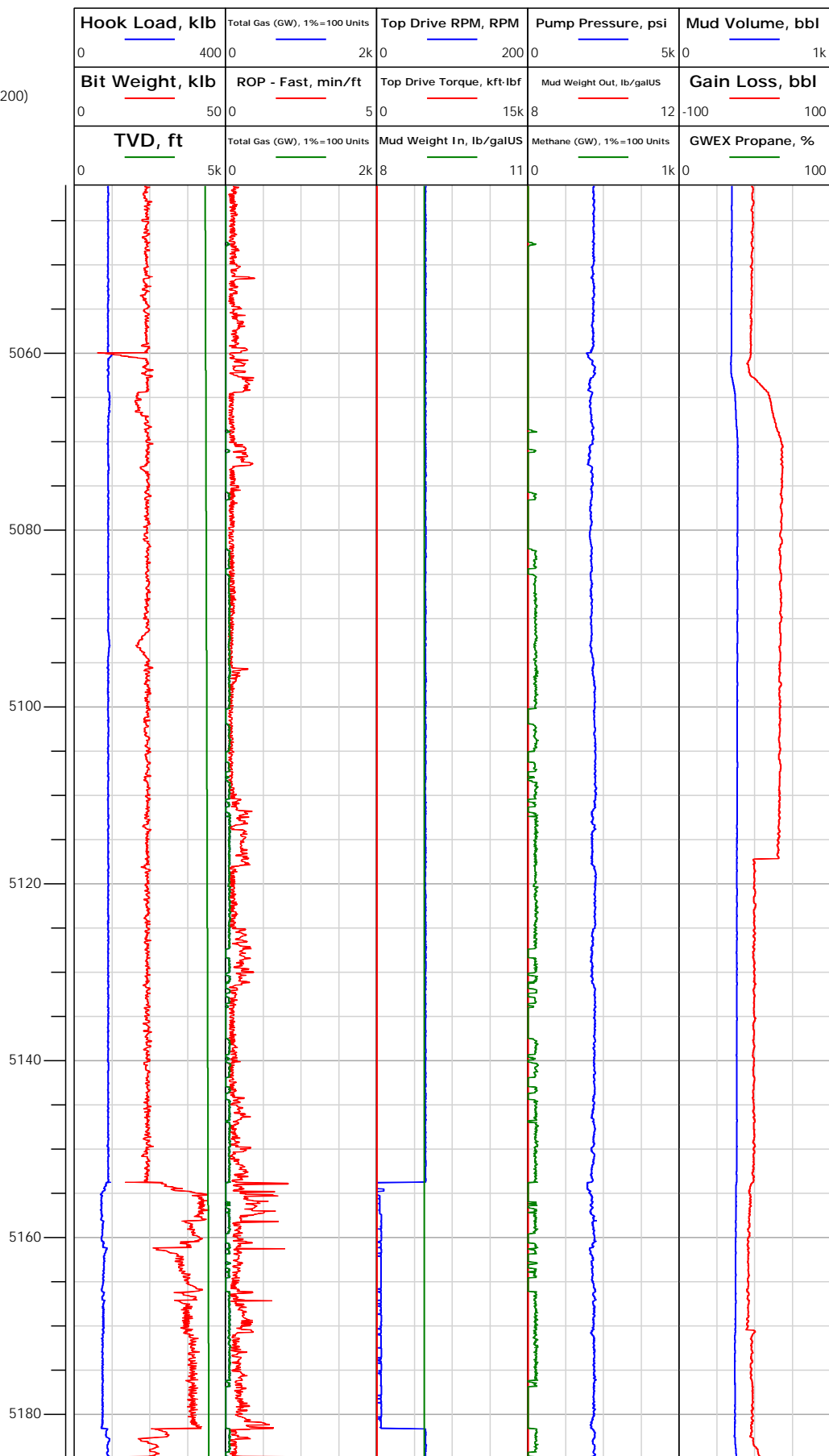
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03:56

04:03

04:16

04:26





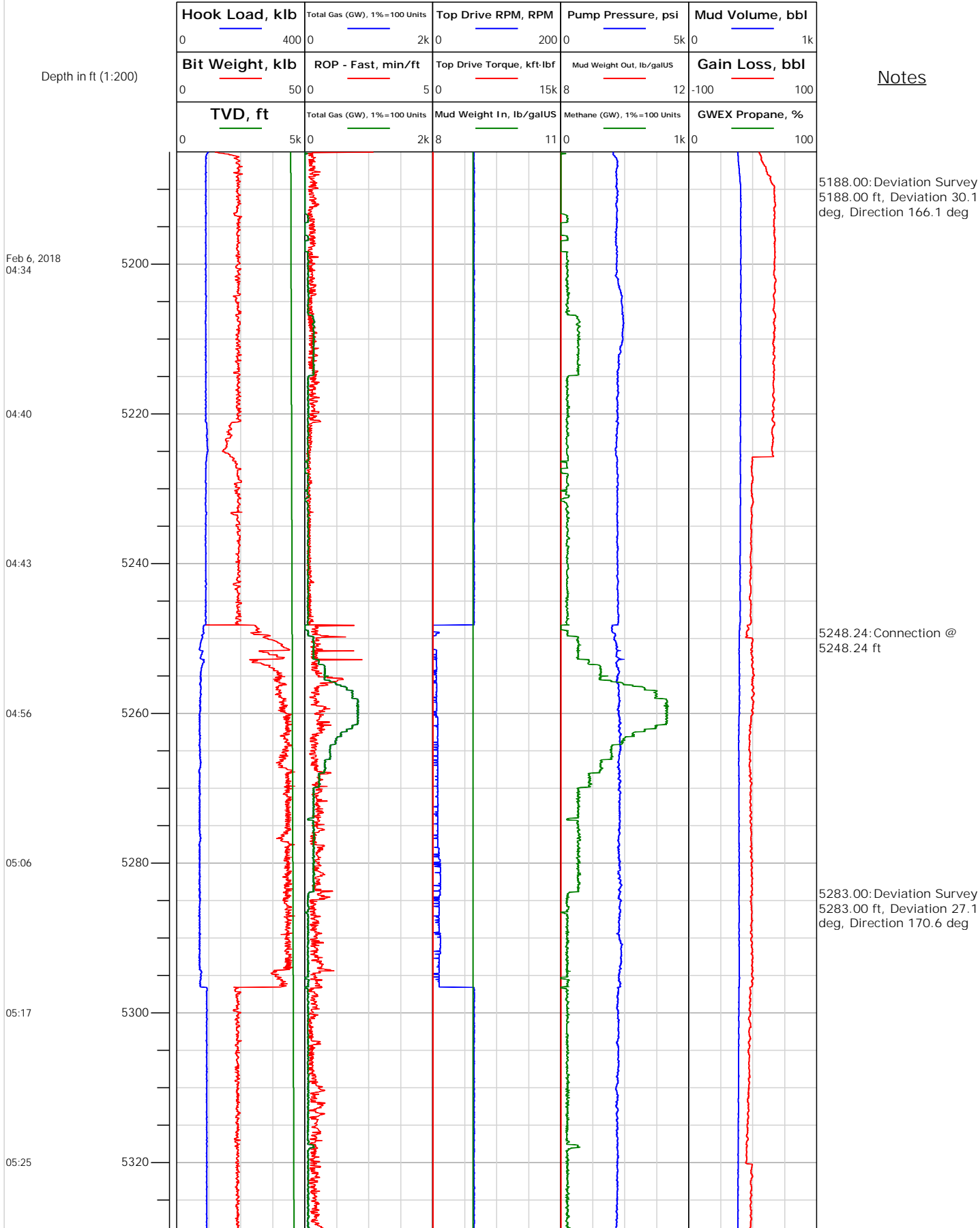
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Operator: Laramie Energy
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Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





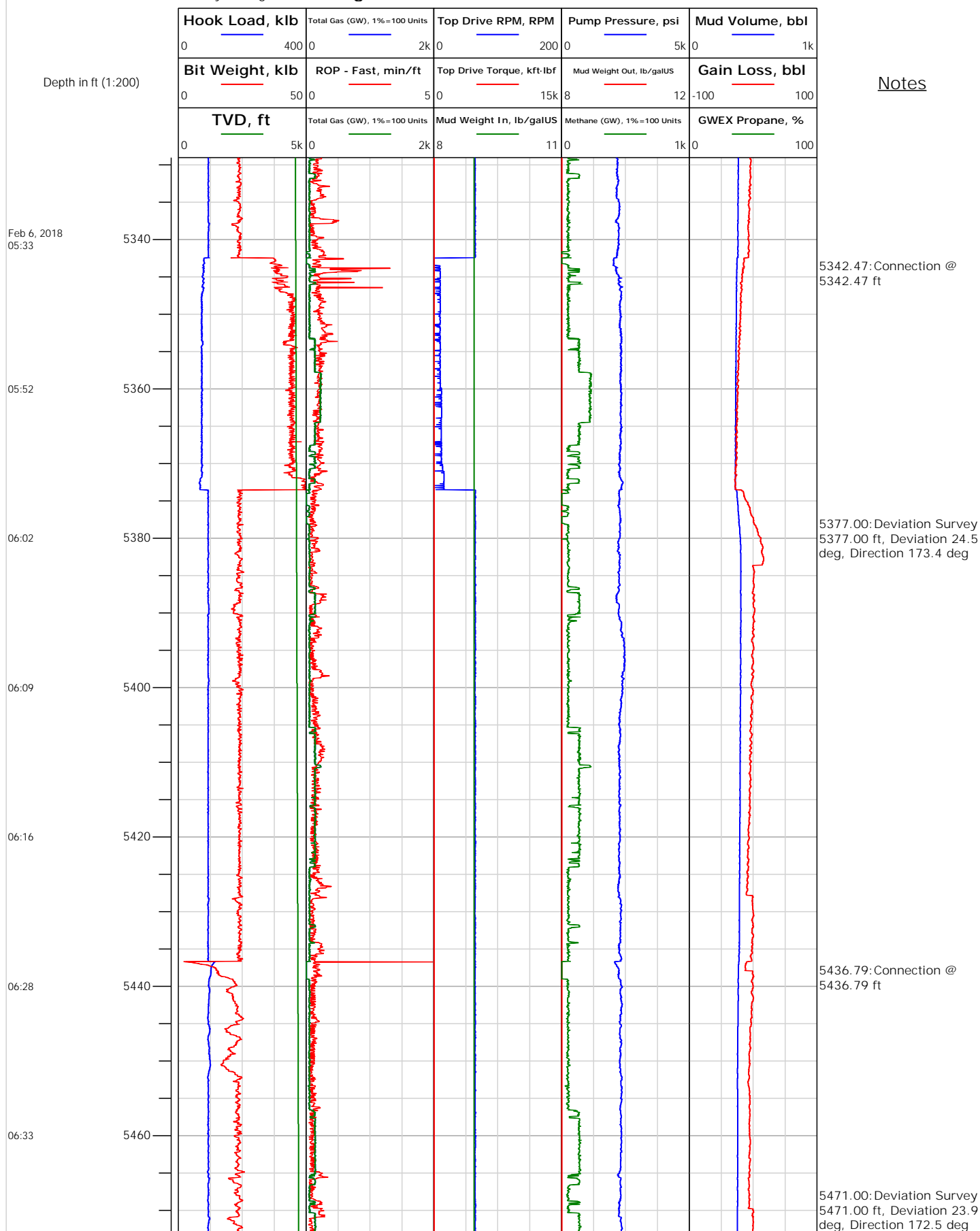
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

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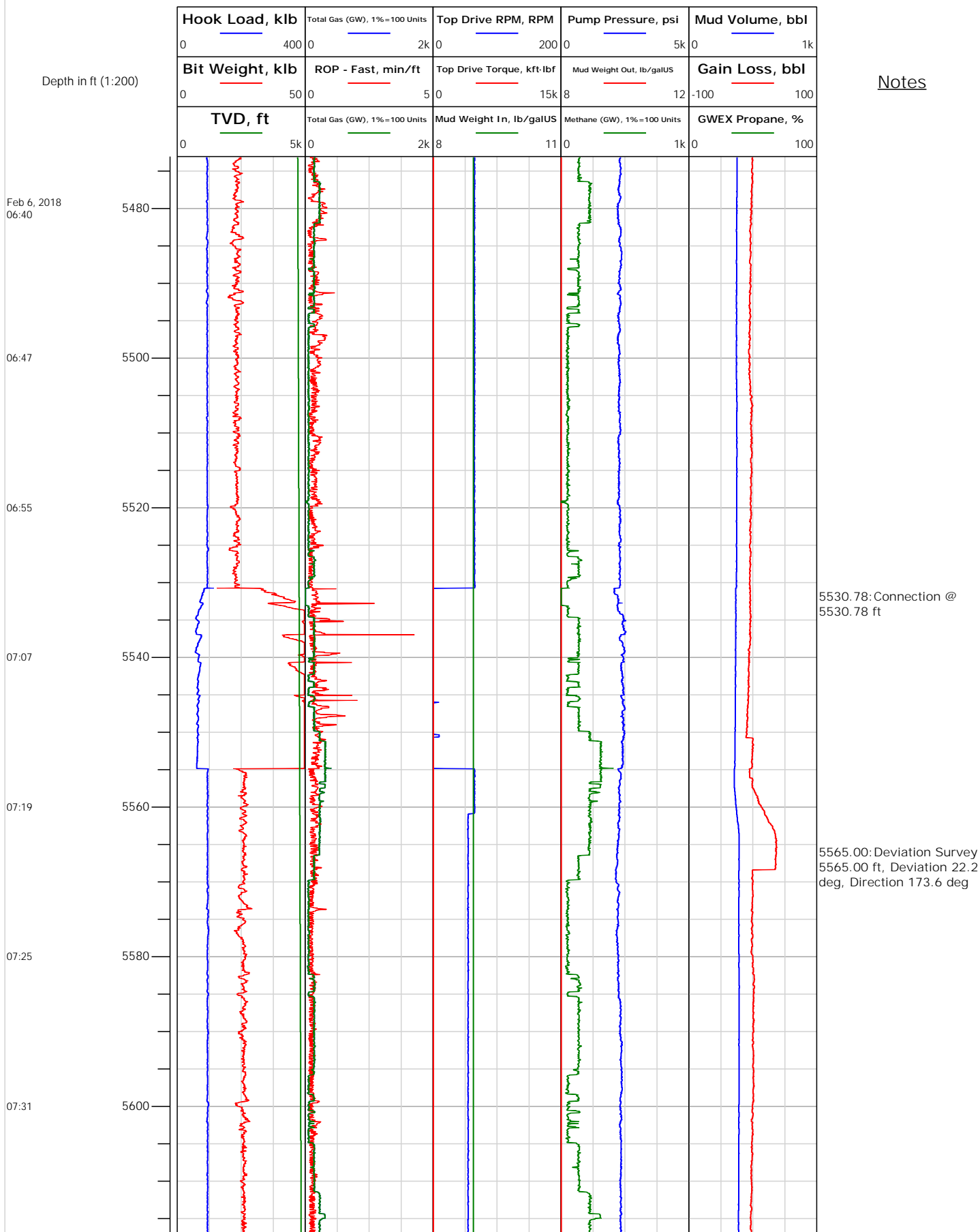
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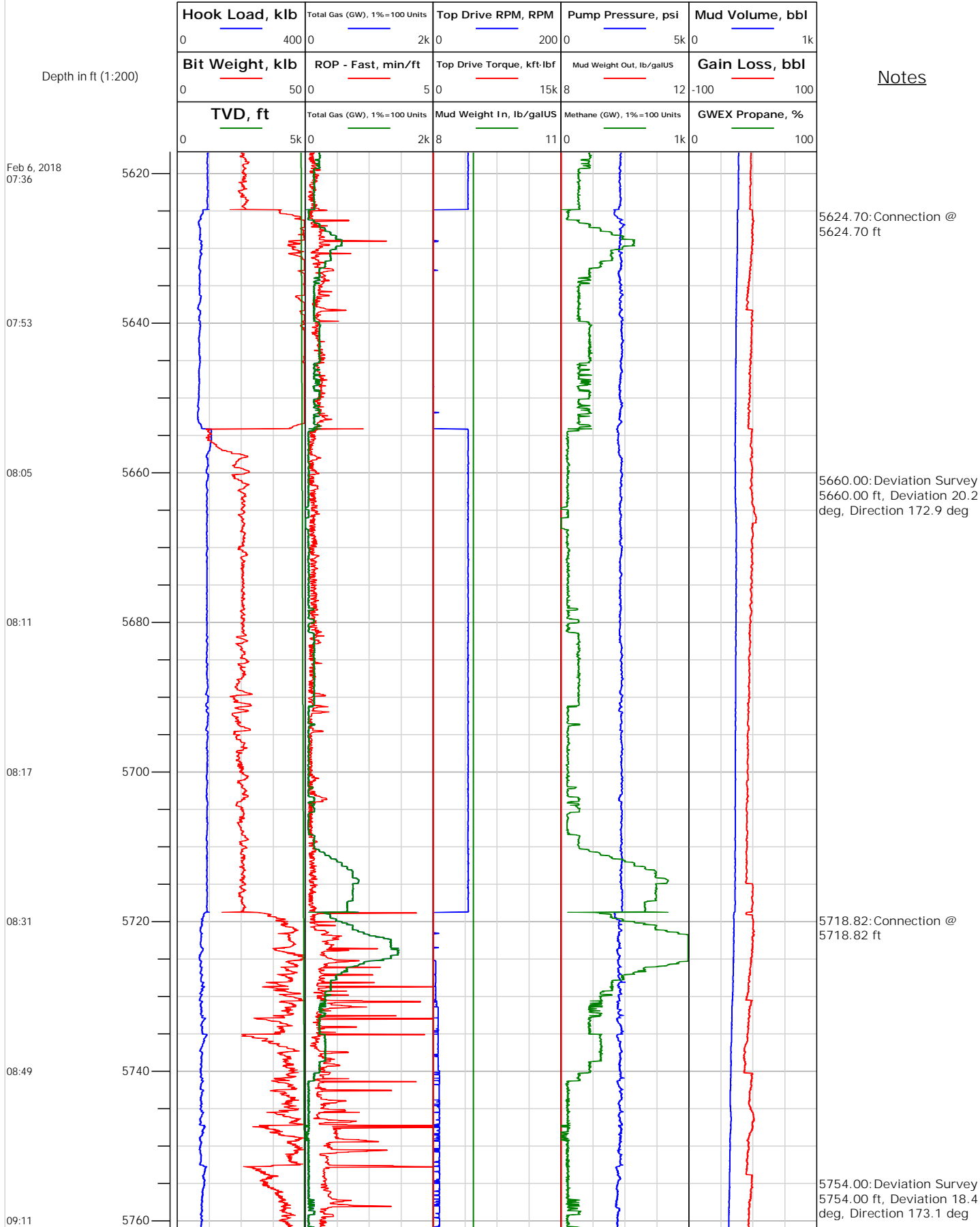
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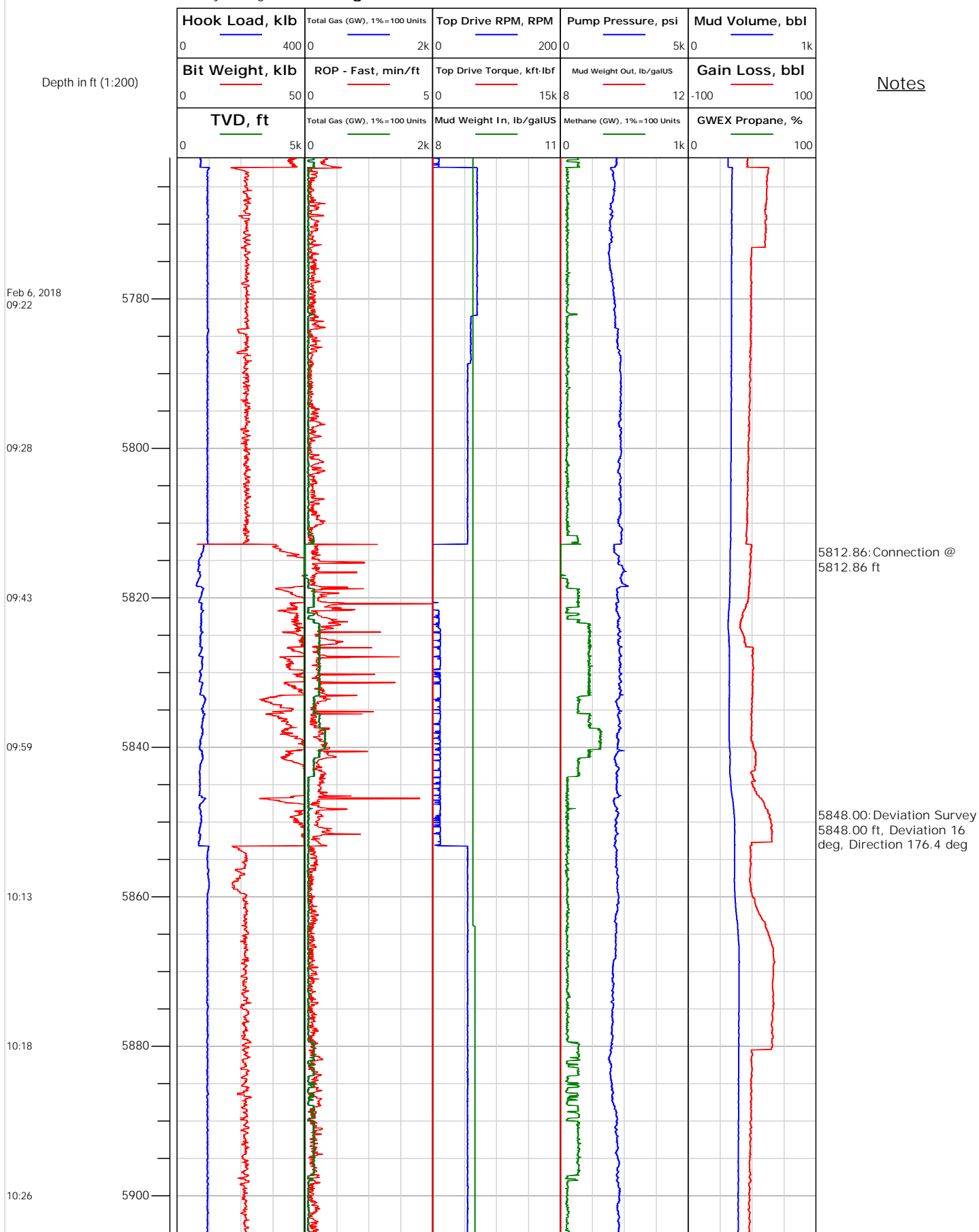
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Rig: 522

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Electronic Drilling Recorder

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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes

Depth in ft (1:200)

Feb 6, 2018
10:45

11:00

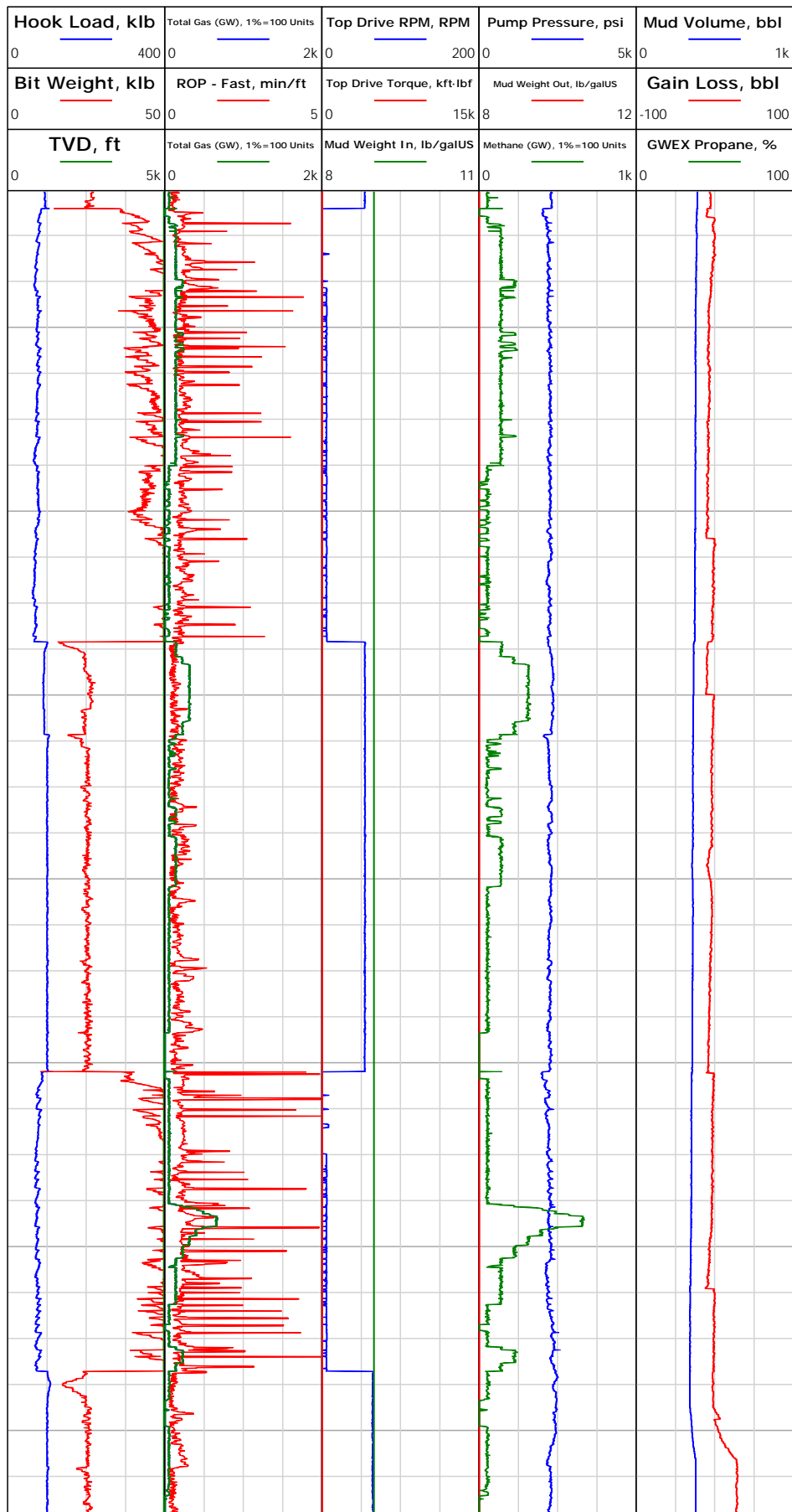
11:14

11:24

11:33

11:55

12:12



5907.02: Connection @
5907.02 ft

5943.00: Deviation Survey
5943.00 ft, Deviation 13.1
deg, Direction 173.4 deg

6001.06: Connection @
6001.06 ft

6037.00: Deviation Survey
6037.00 ft, Deviation 11.5
deg, Direction 172.3 deg



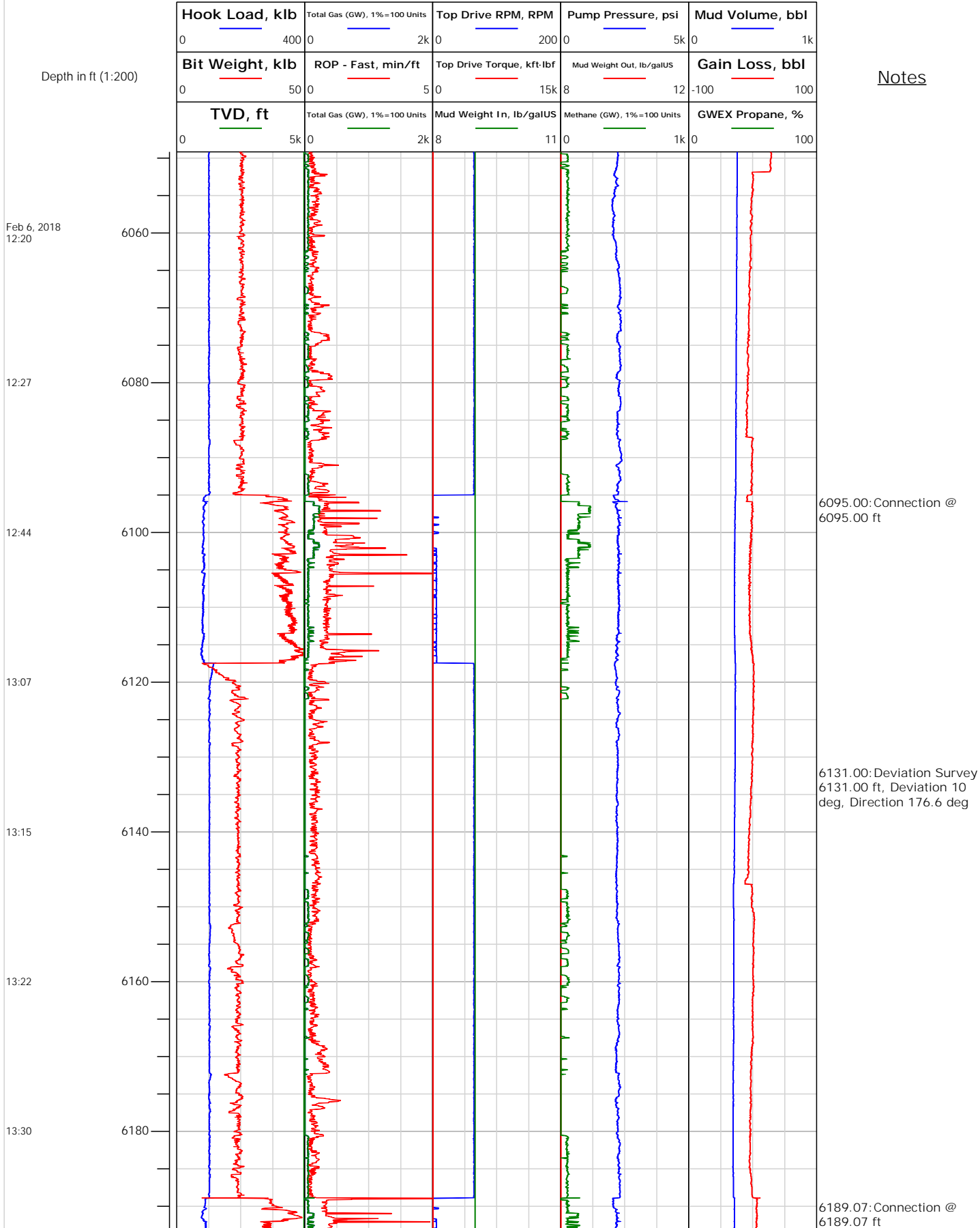
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Rig: 522

Location:

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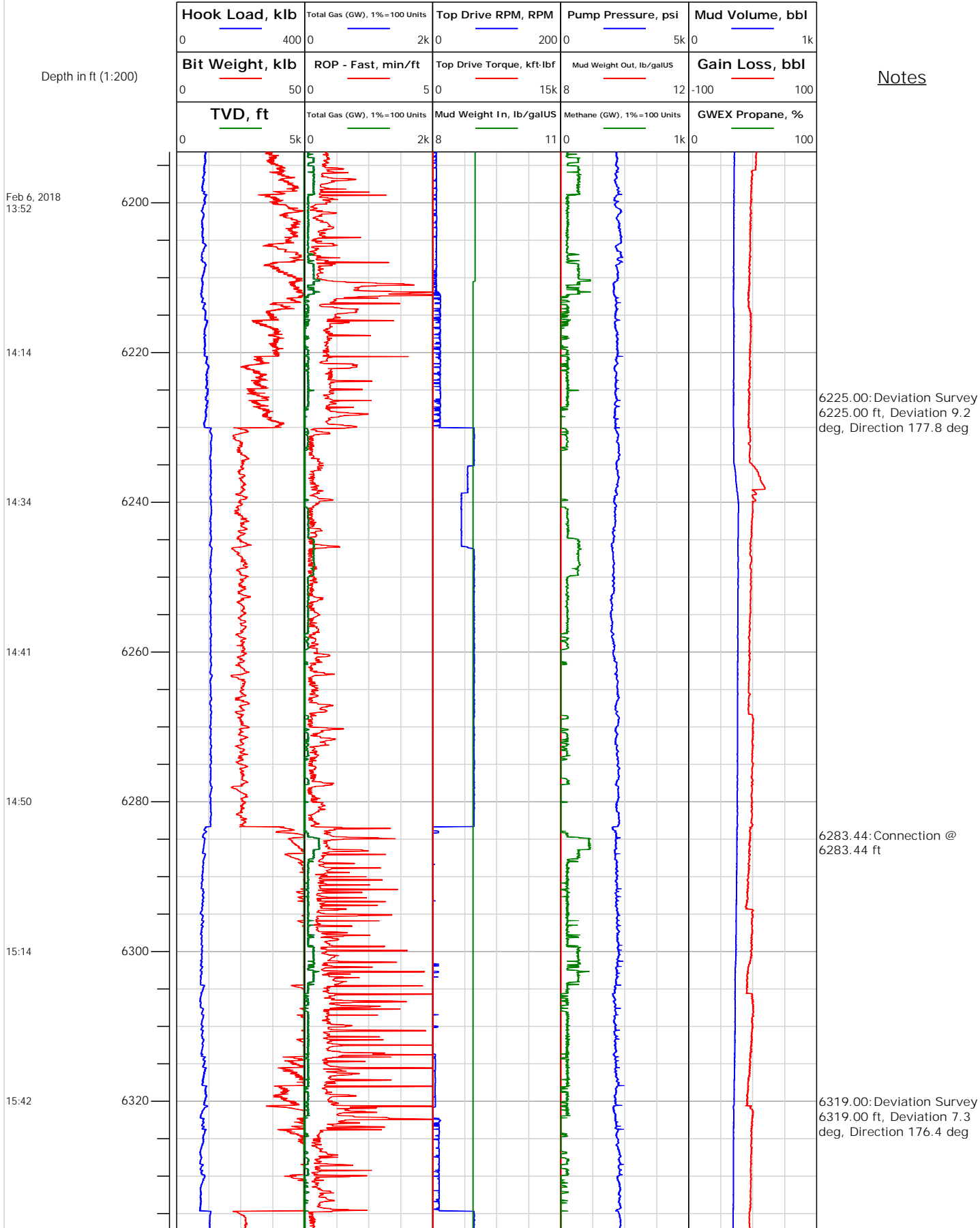
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Rig: 522

Location:

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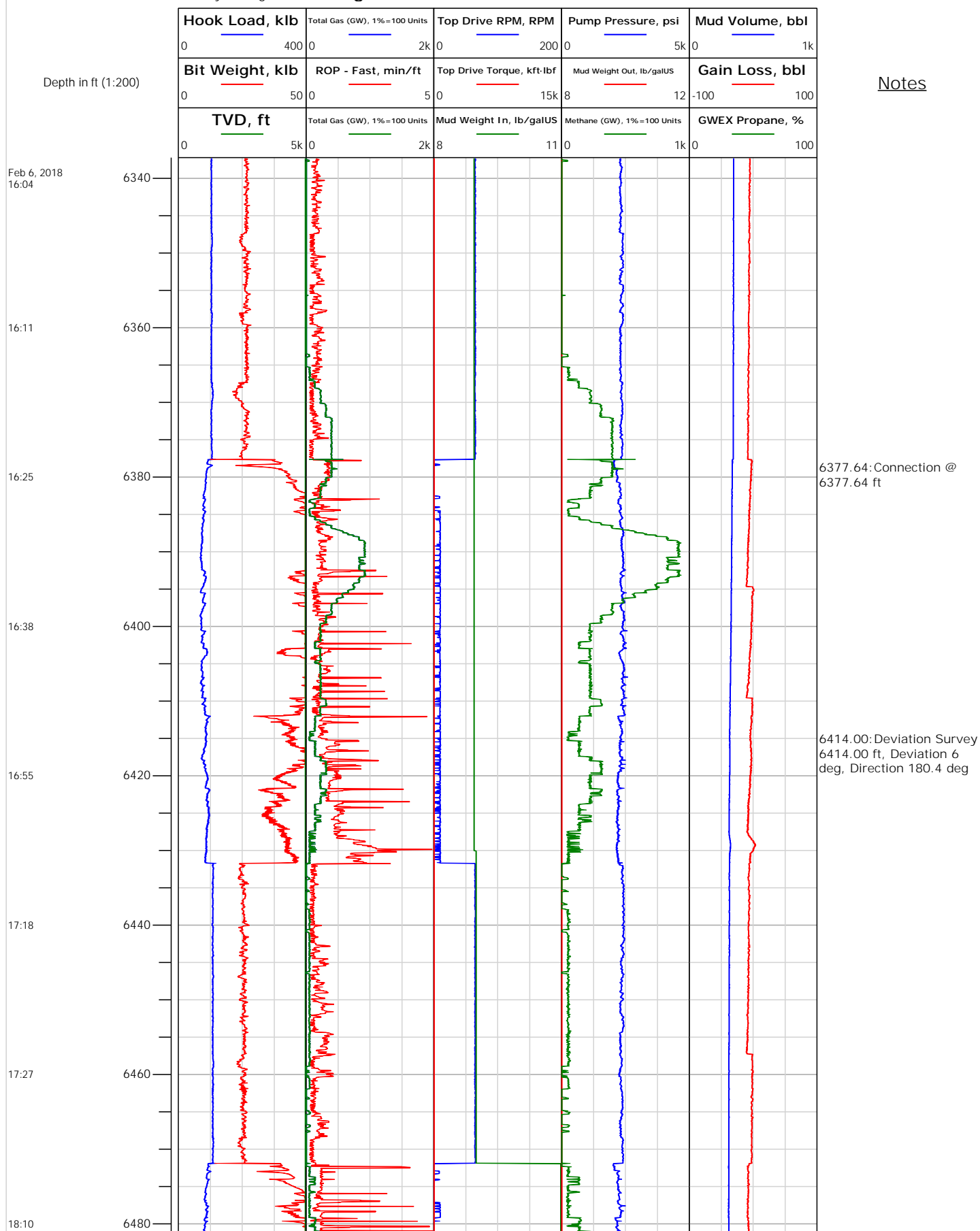
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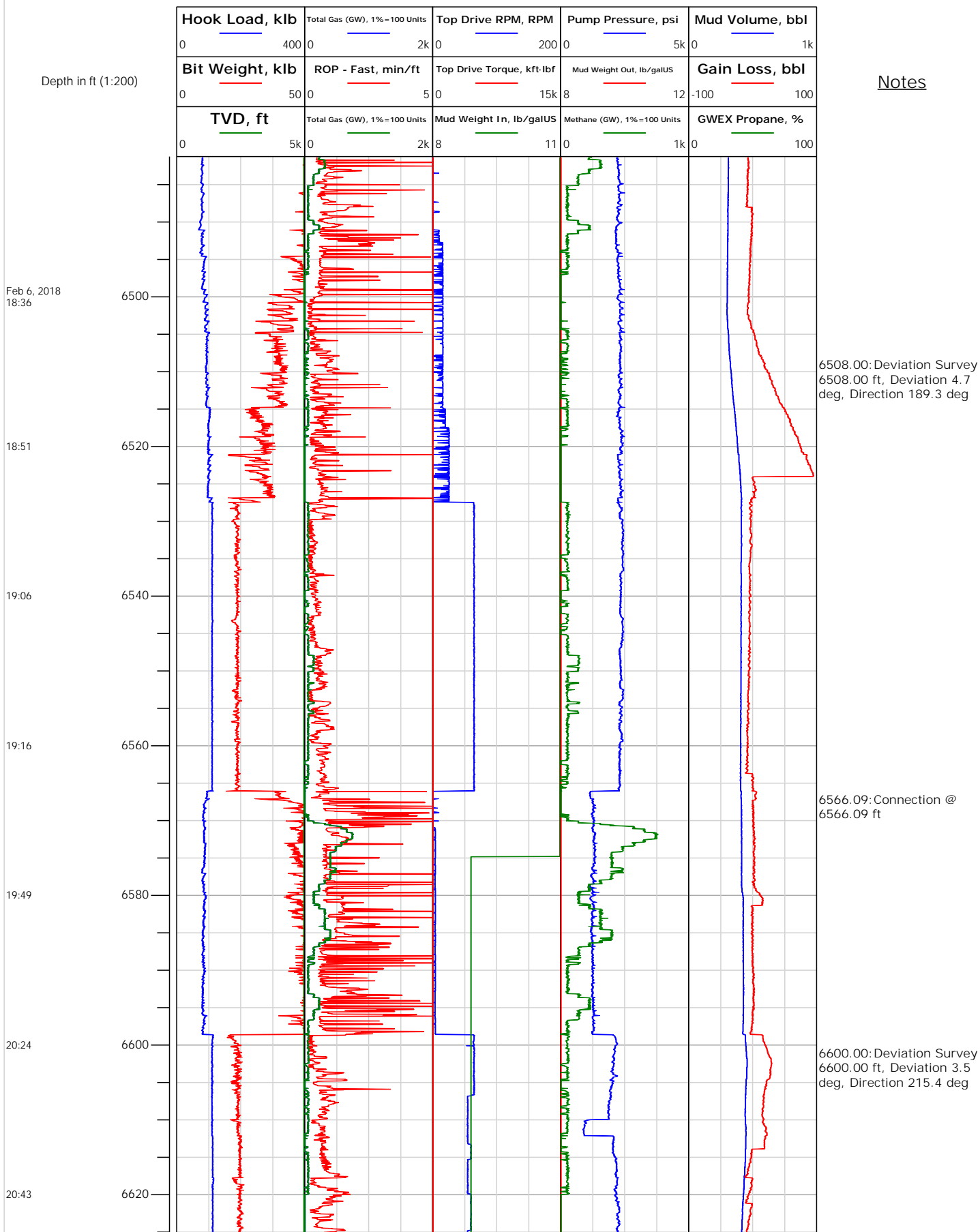
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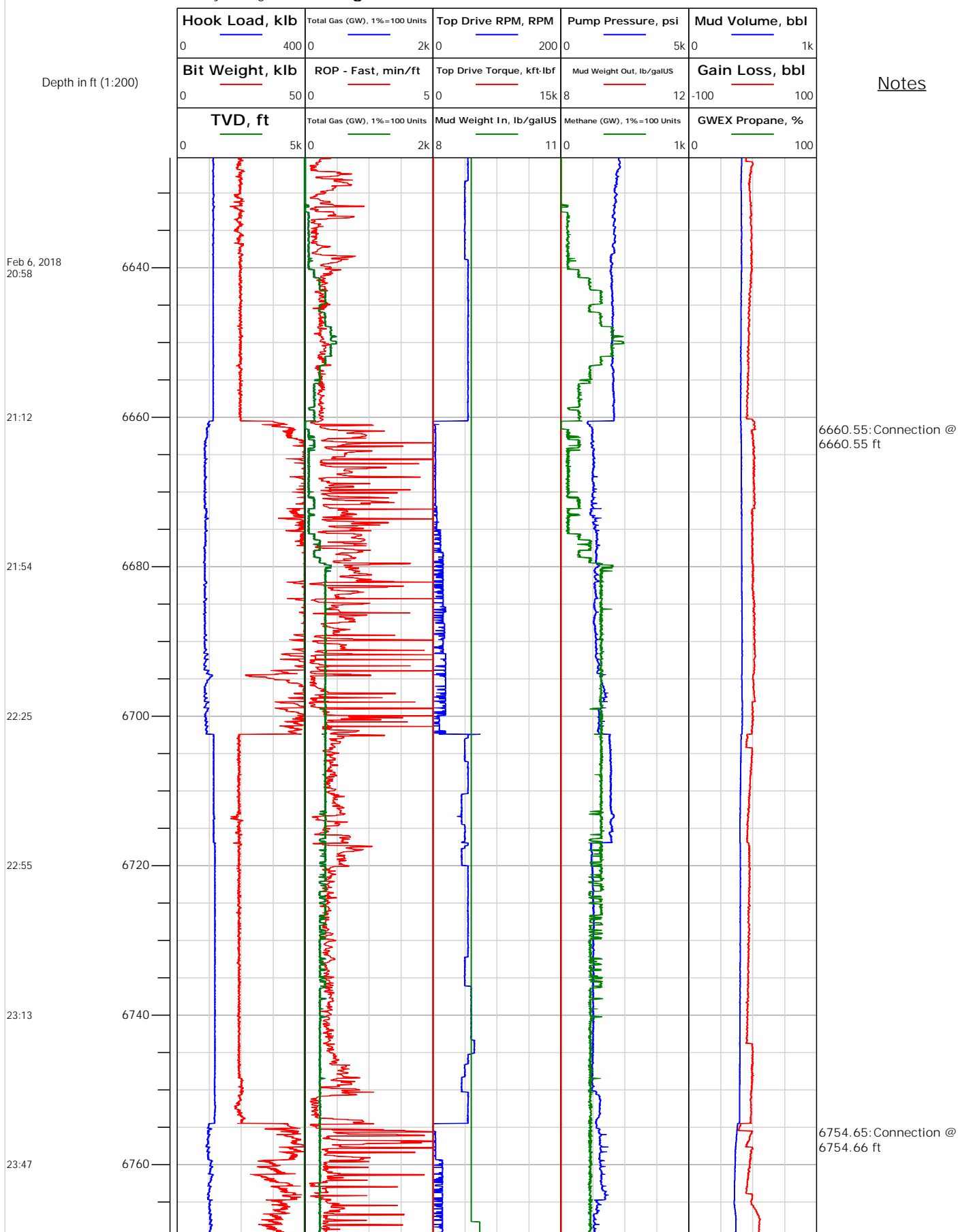
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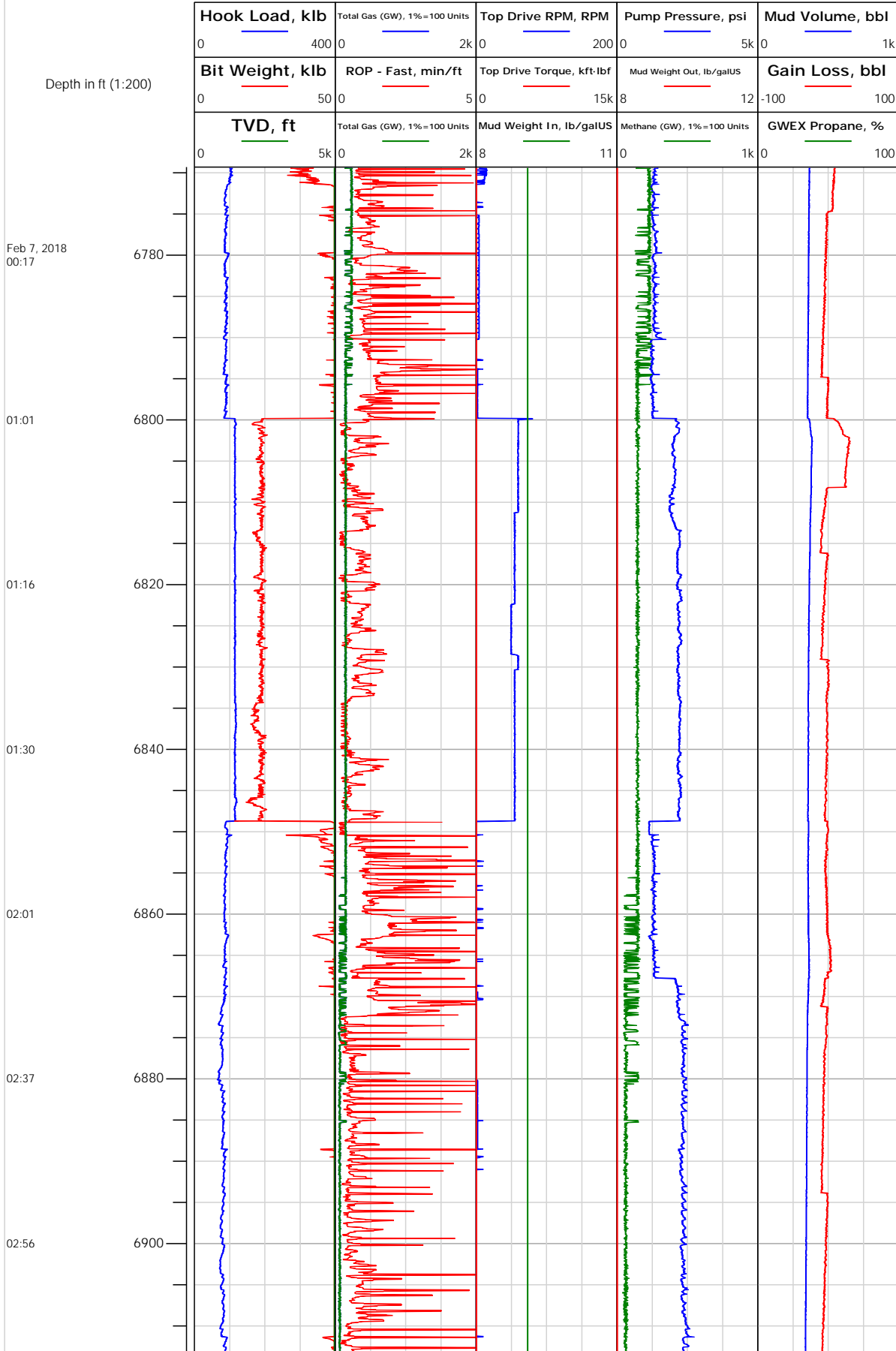
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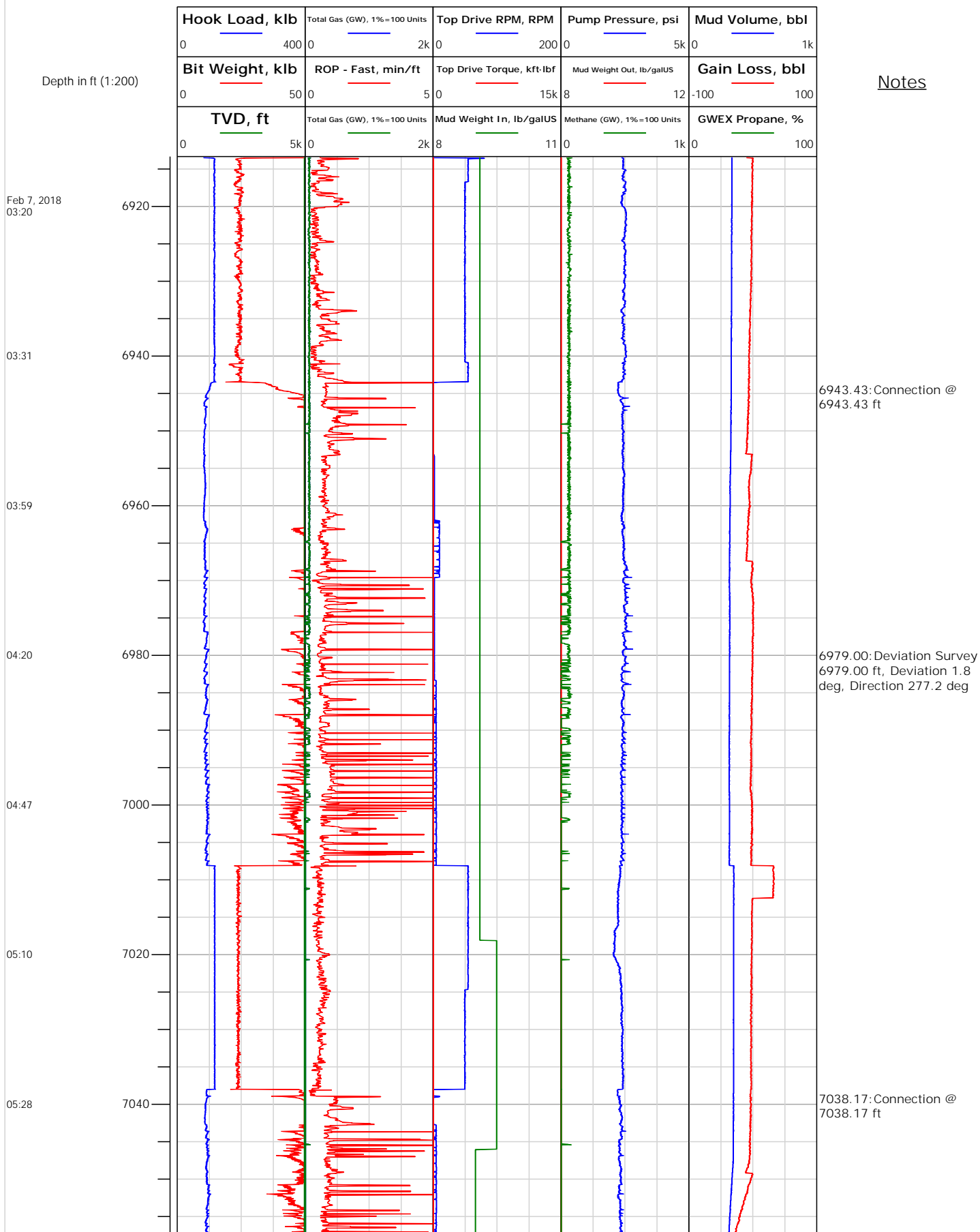
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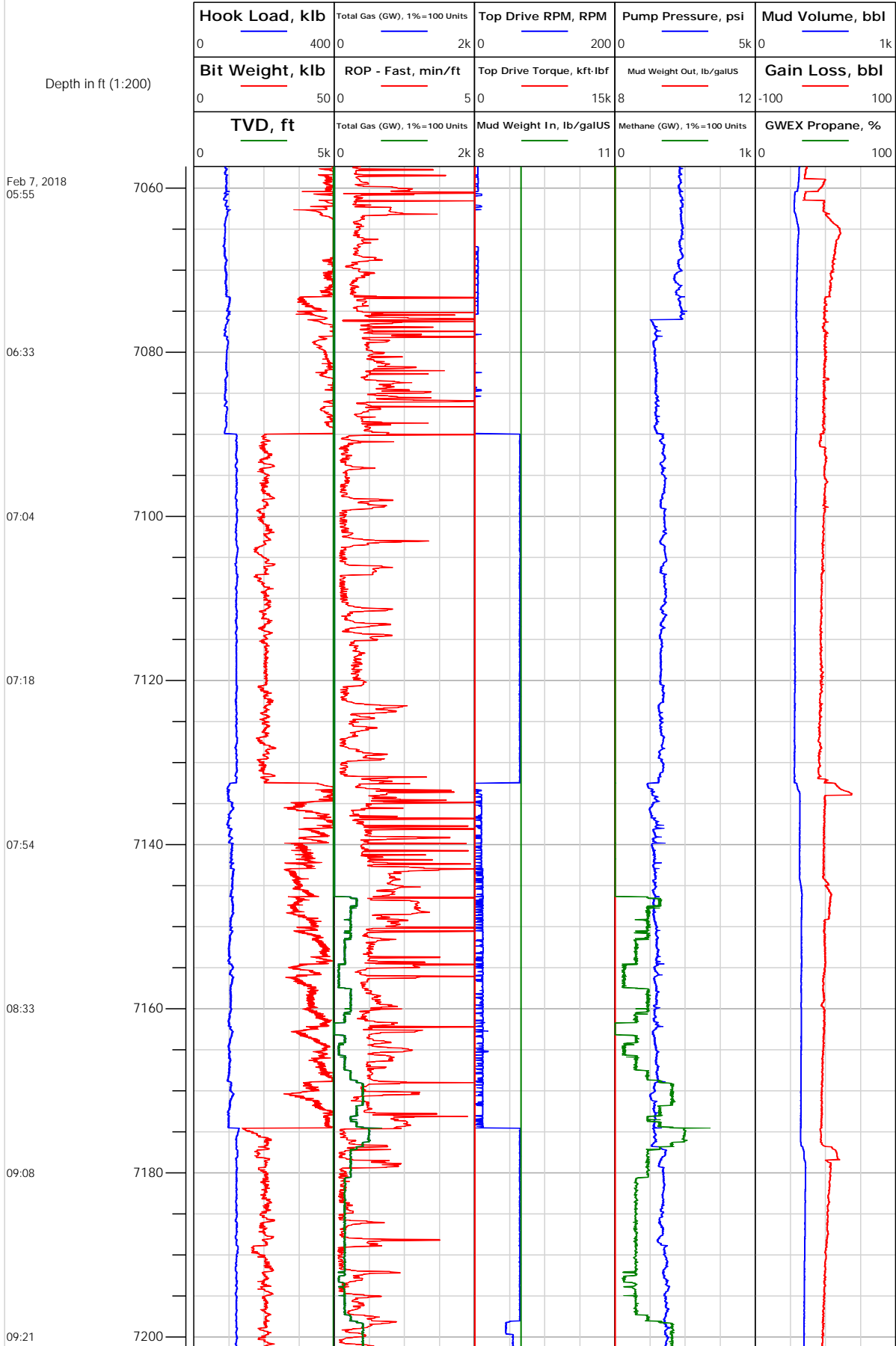
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Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes



7073.00: Deviation Survey
7073.00 ft, Deviation 1.6 deg, Direction 319.6 deg

7132.54: Connection @
7132.54 ft

7167.00: Deviation Survey
7167.00 ft, Deviation 2.3 deg, Direction 341.4 deg



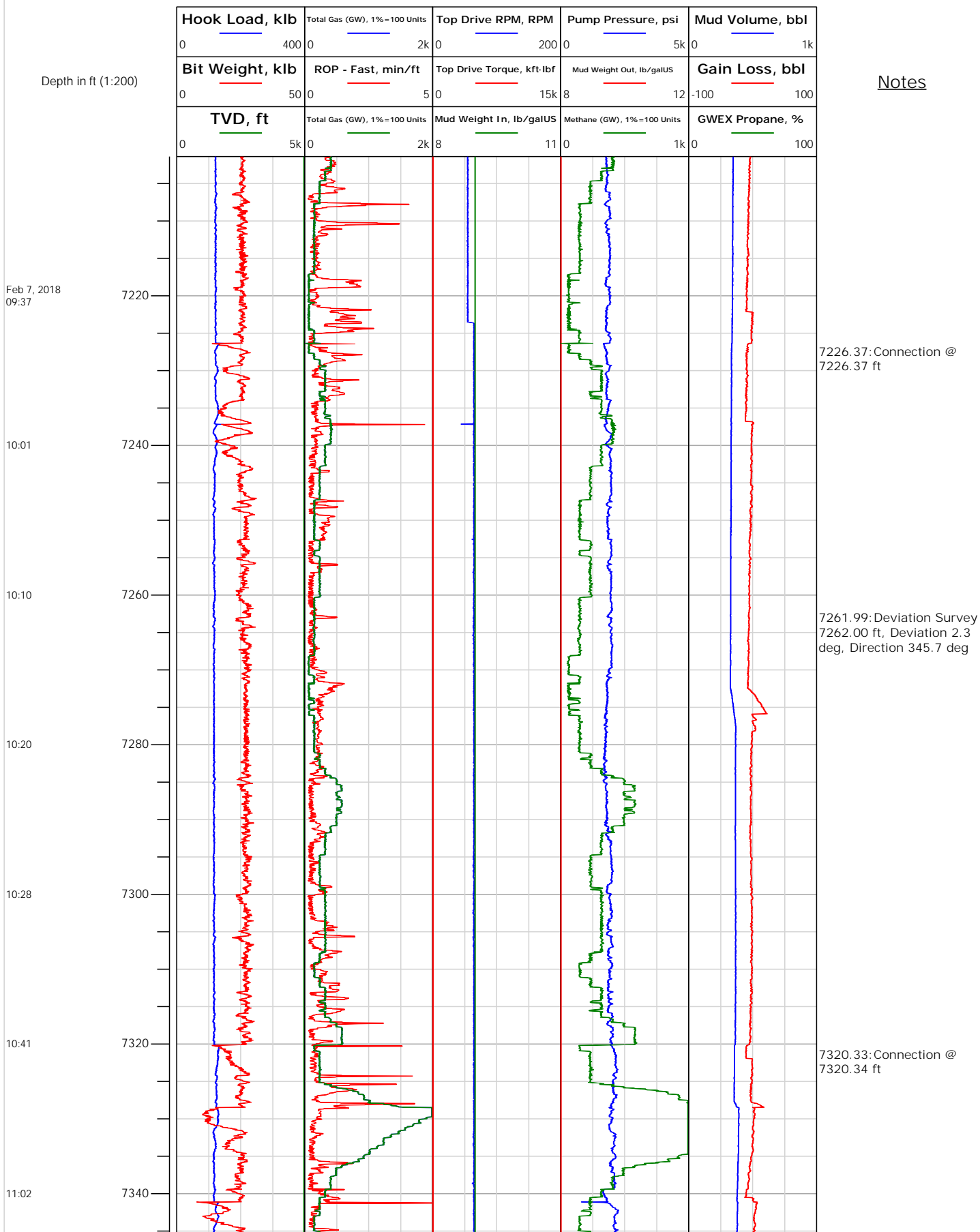
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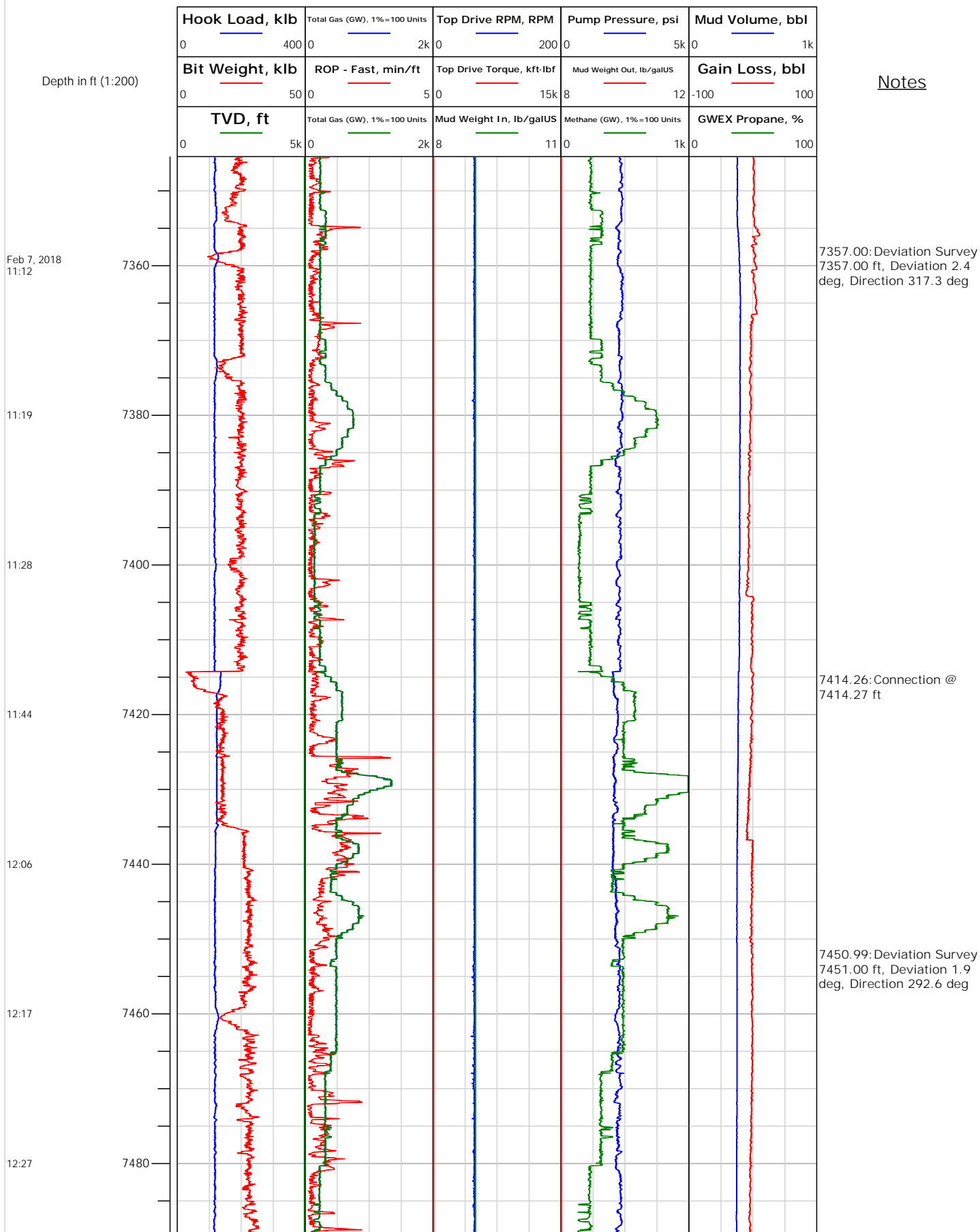
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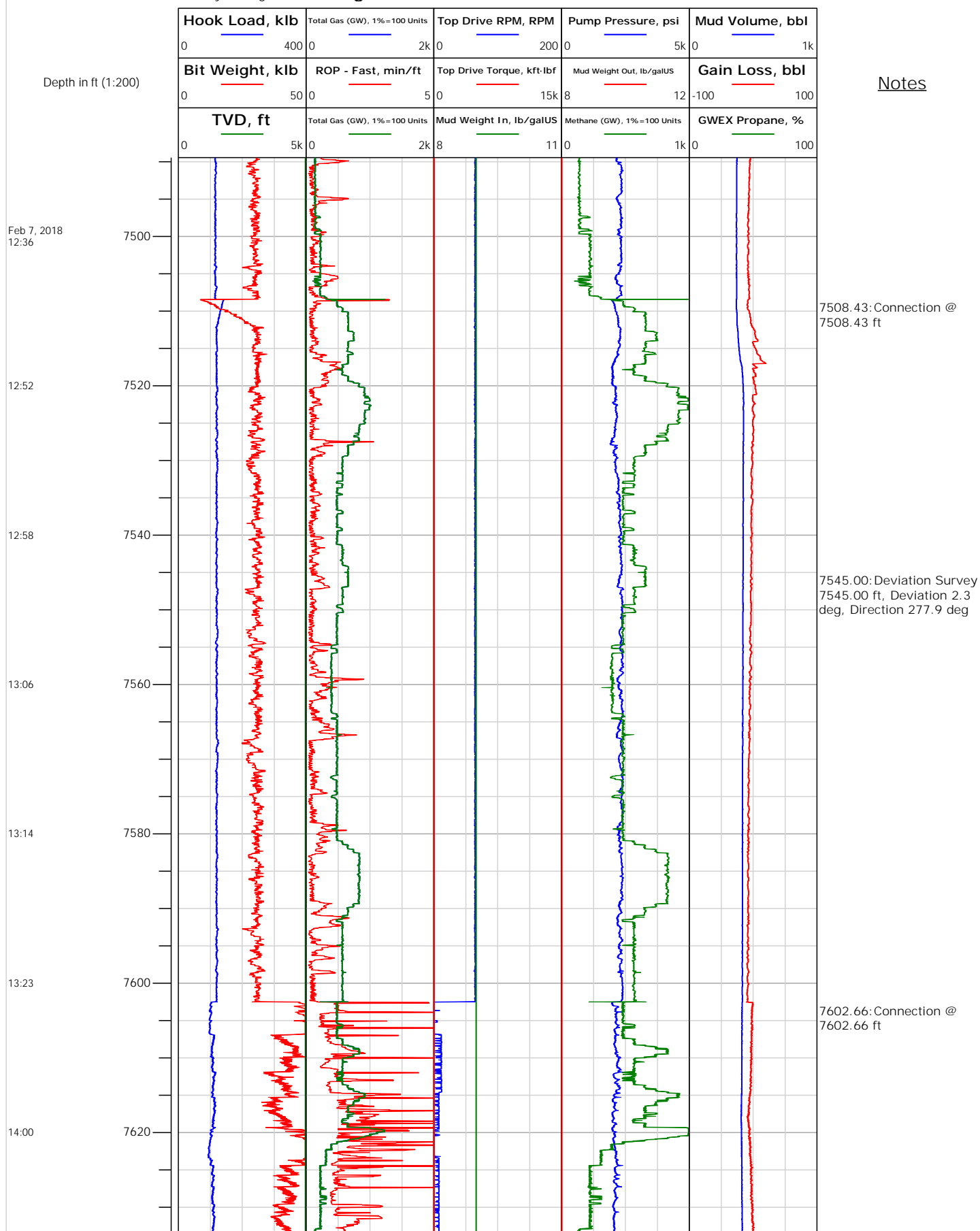
Location:

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Electronic Drilling Recorder

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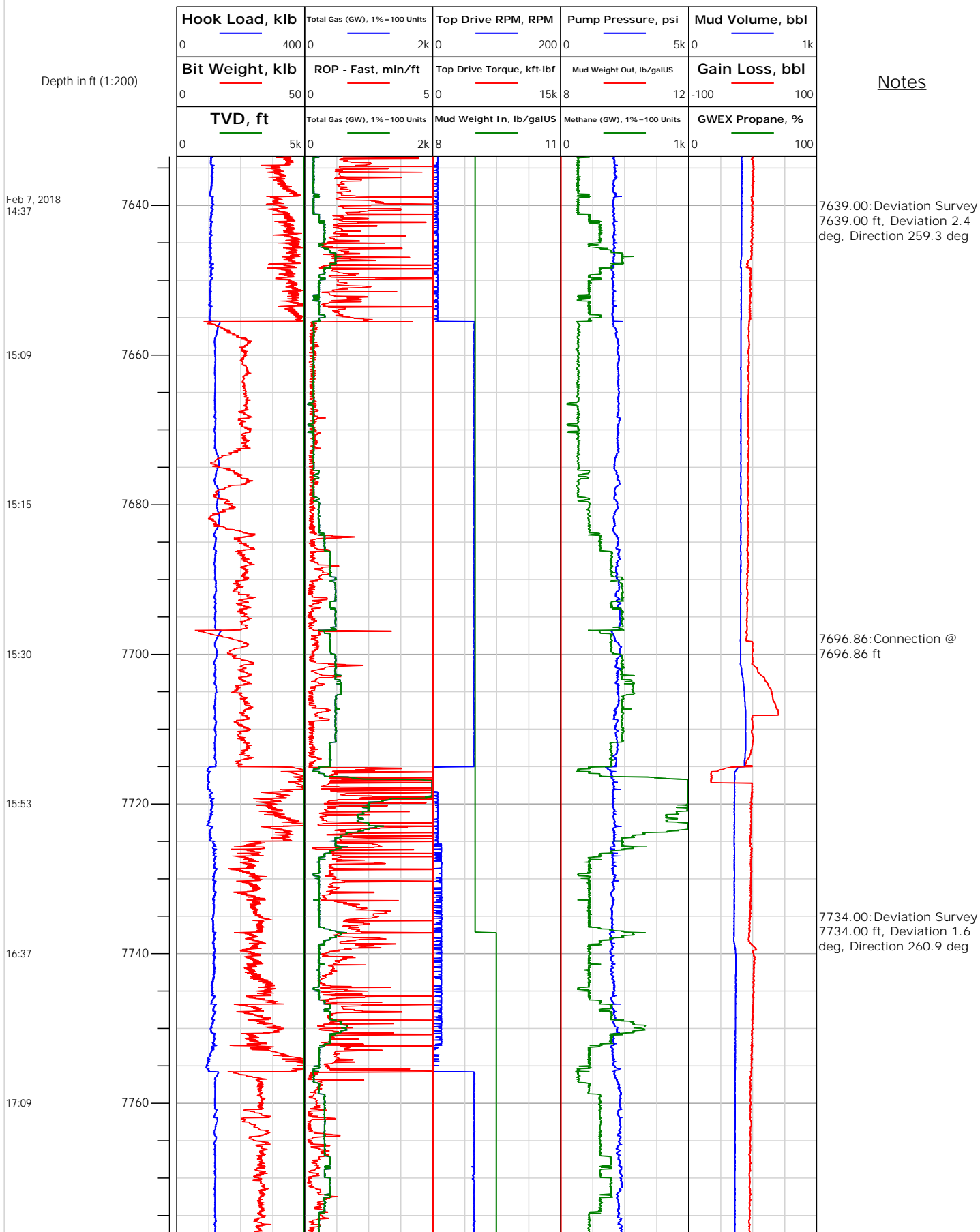


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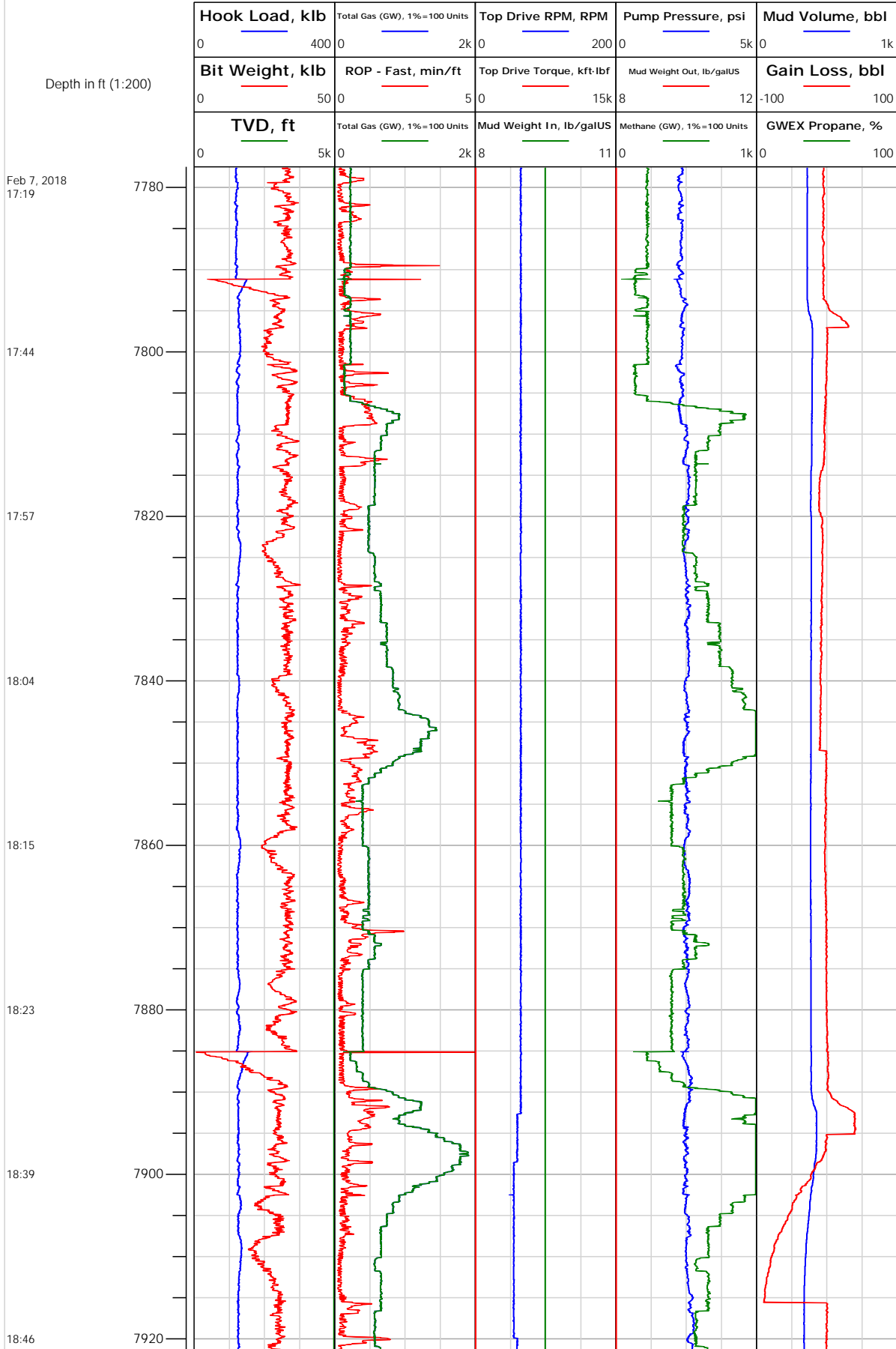
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





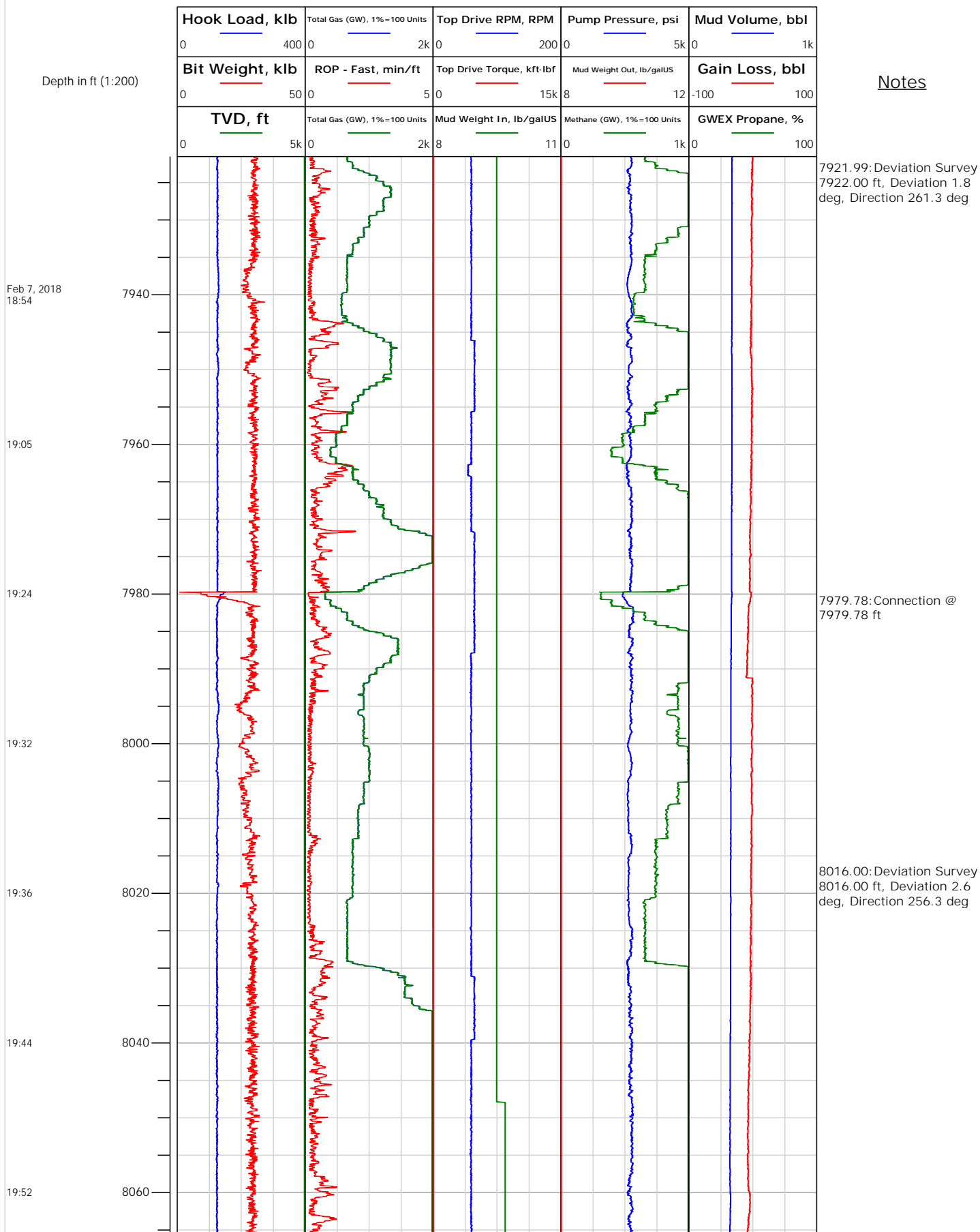
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Feb 7, 2018
20:06

20:12

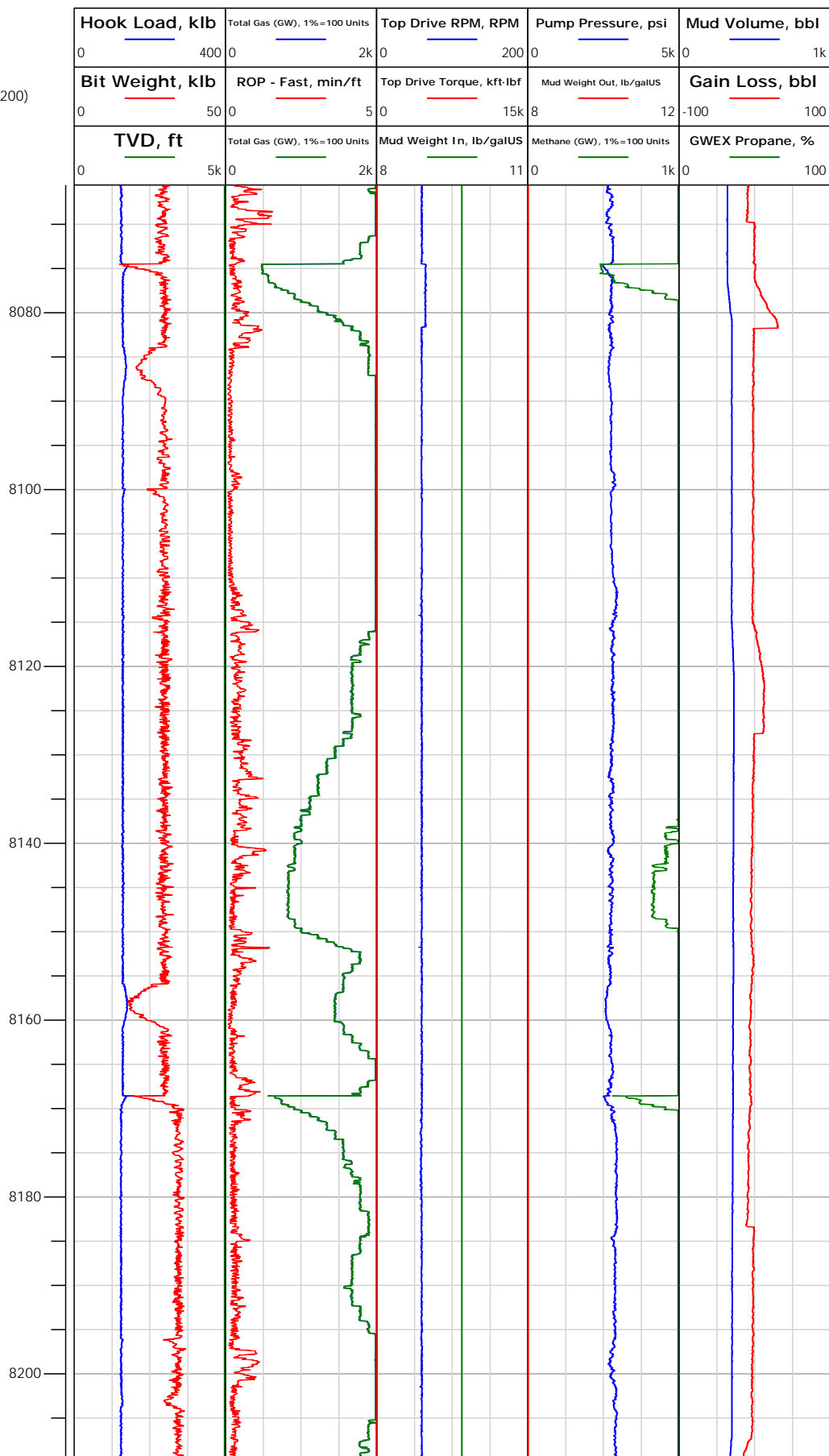
20:18

20:27

20:35

20:46

20:54



8074.48: Connection @
8074.48 ft

8110.00: Deviation Survey
8110.00 ft, Deviation 3.2
deg, Direction 252.3 deg

8168.70: Connection @
8168.70 ft

8204.00: Deviation Survey
8204.00 ft, Deviation 3.5
deg, Direction 249.4 deg



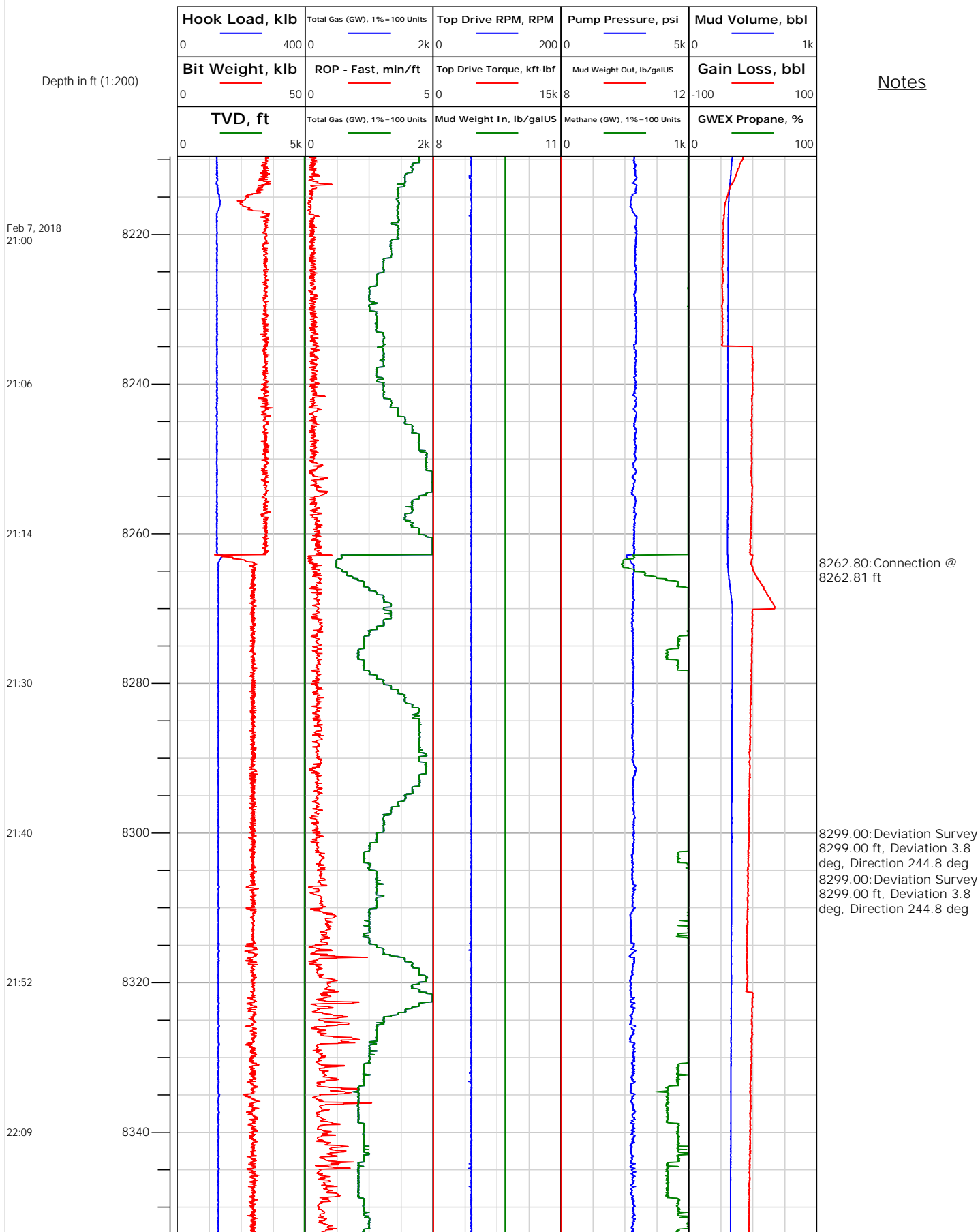
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes





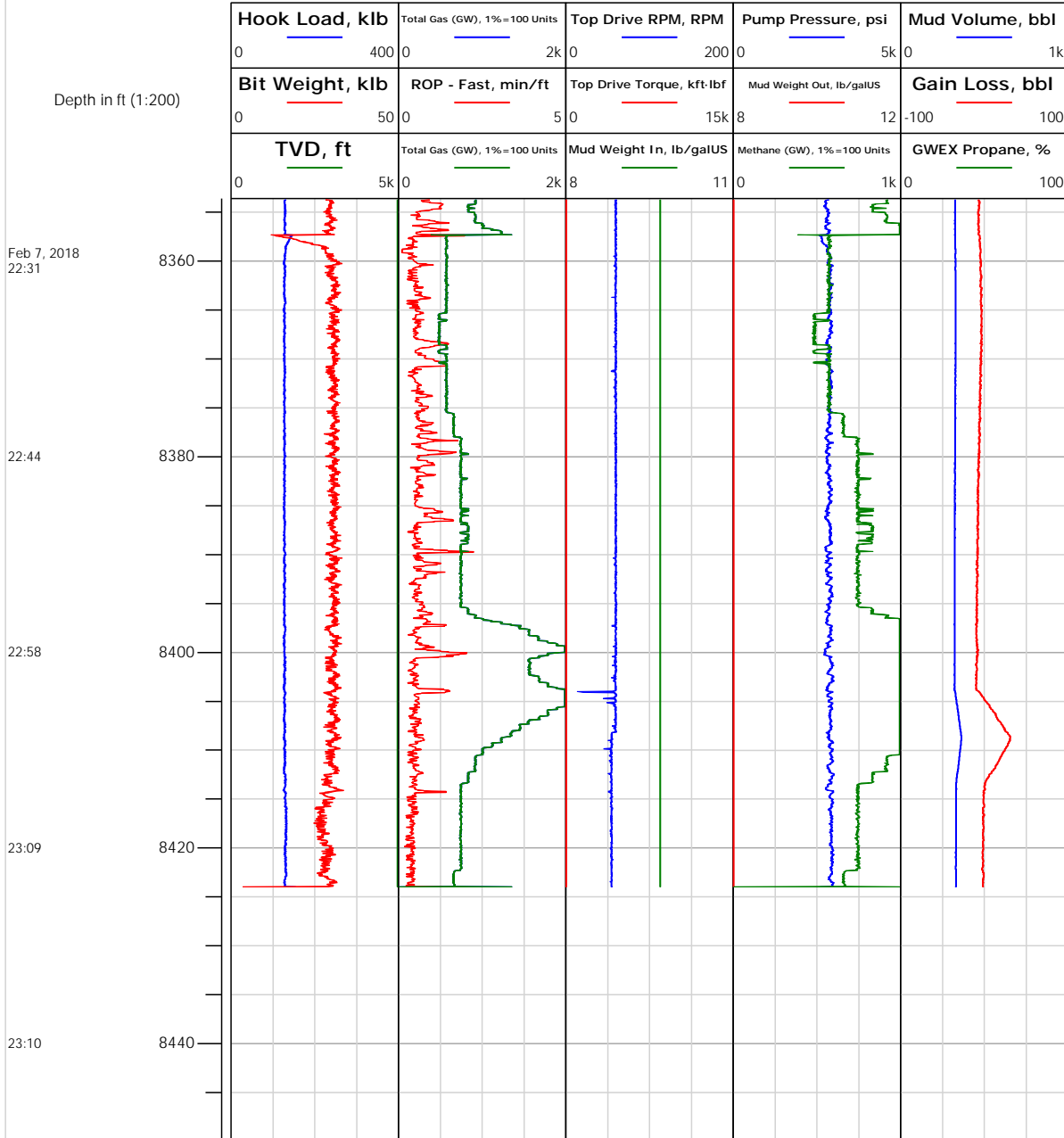
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton Federal 31-01E
Rig: 522

Location:

Notes



8357.24: Connection @
8357.24 ft
8358.72: Rig Floor set Hole
Depth from 8357.44 ft to
8359.04 ft
8364.00: Deviation Survey
8364.00 ft, Deviation 3.7
deg, Direction 243.1 deg