

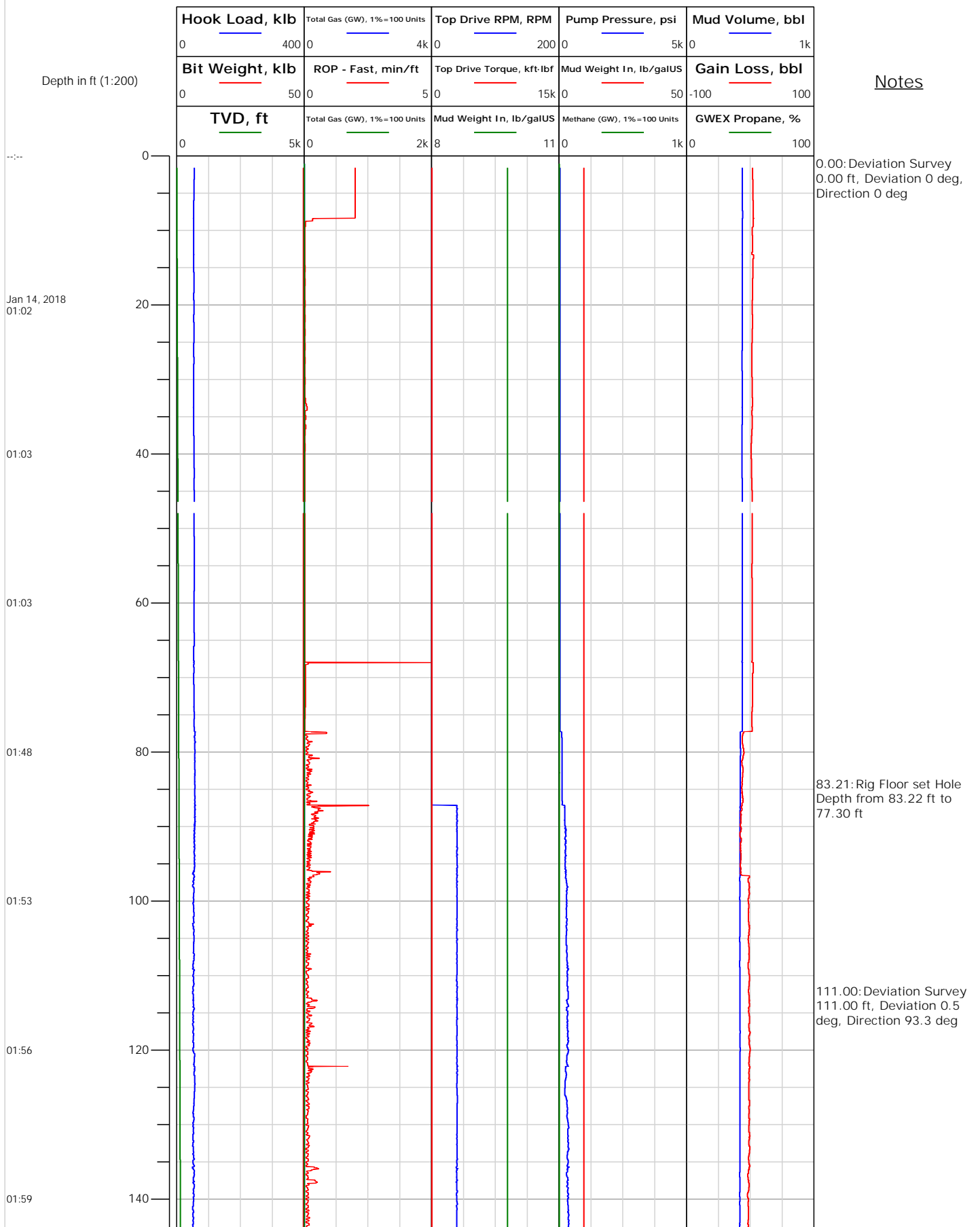


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:





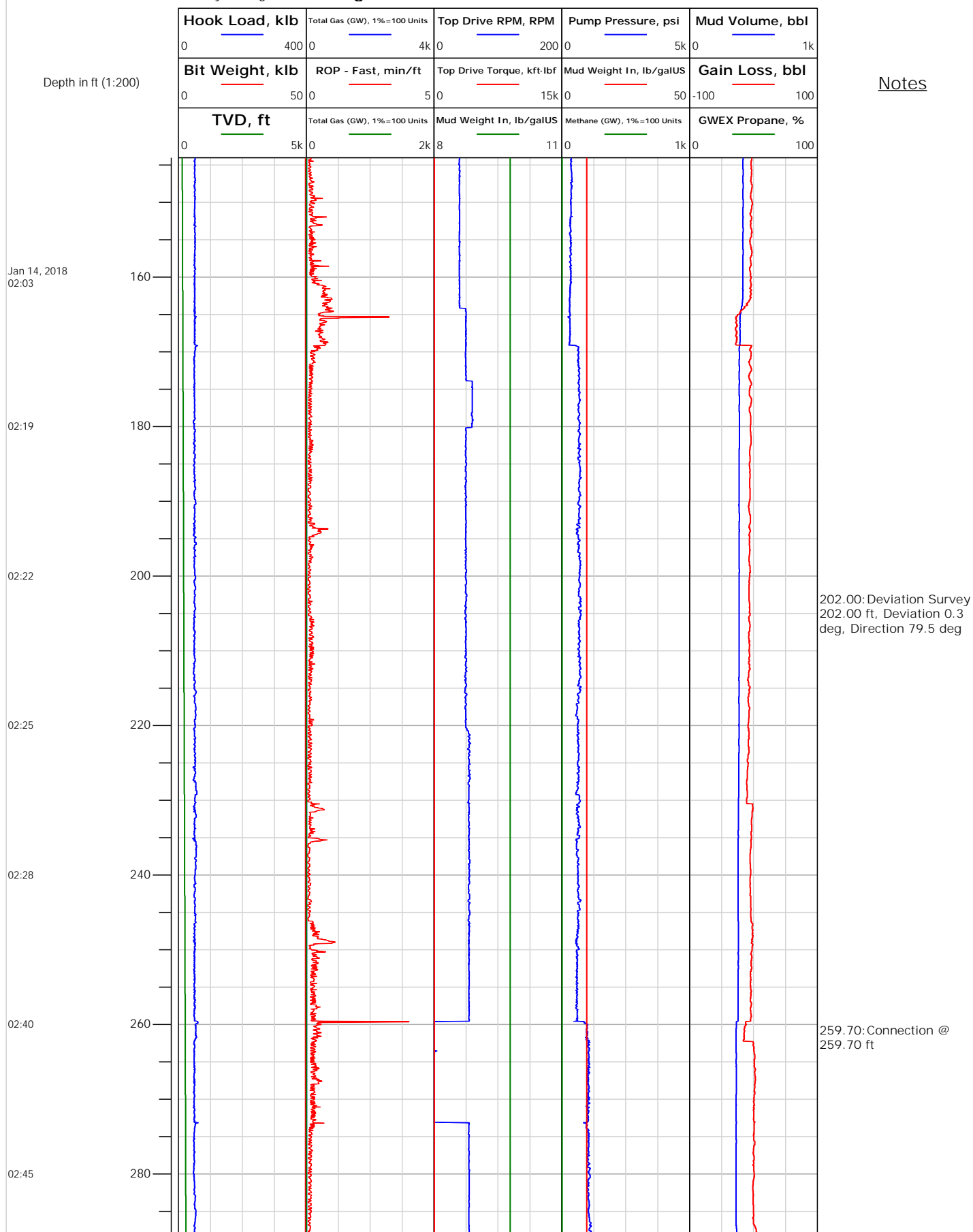
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





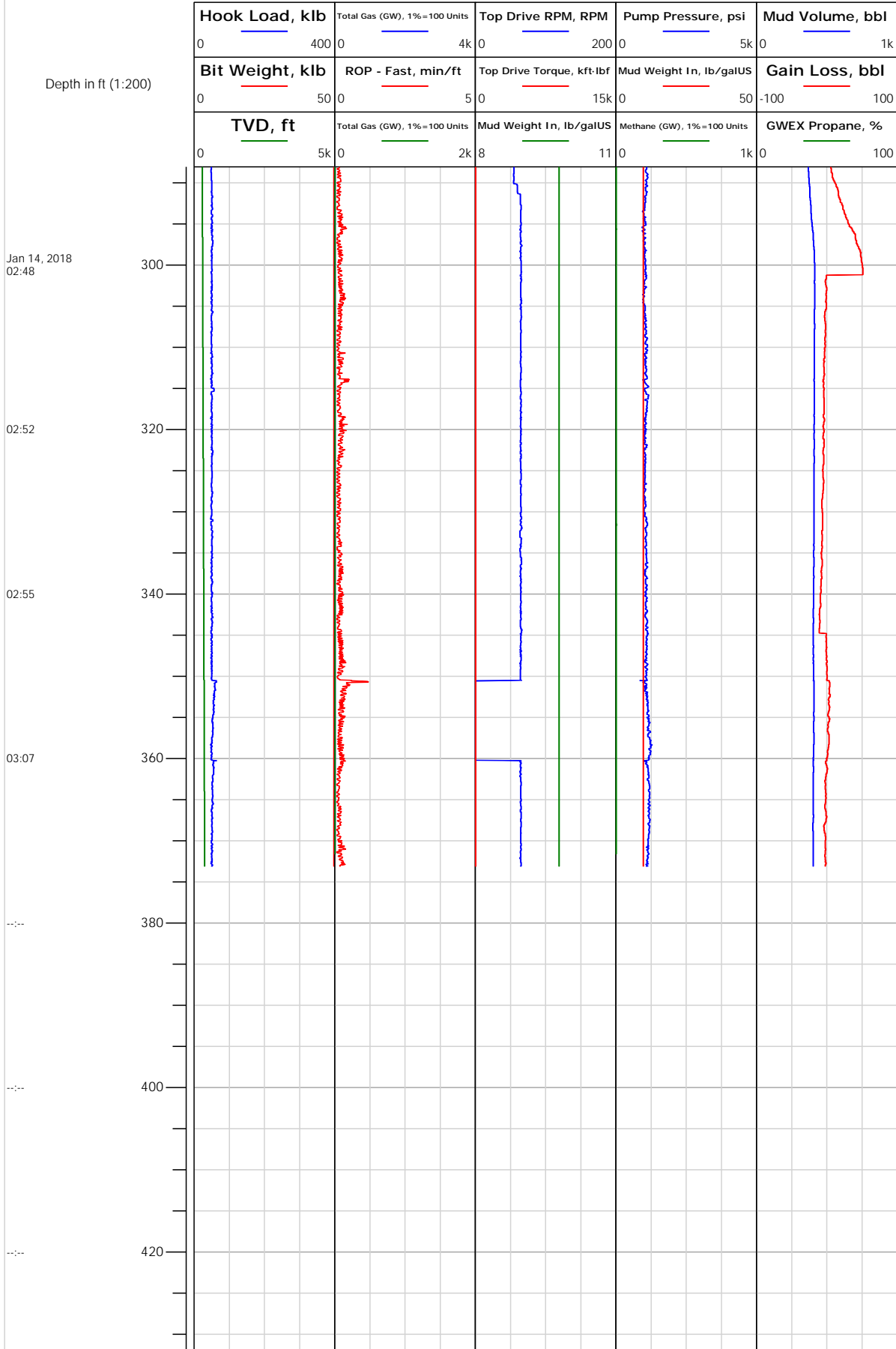
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes



293.00: Deviation Survey
293.00 ft, Deviation 0.3 deg, Direction 338.6 deg

350.60: Connection @
350.60 ft

384.00: Deviation Survey
384.00 ft, Deviation 1.2 deg, Direction 311.9 deg



Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Jan 14, 2018
03:31

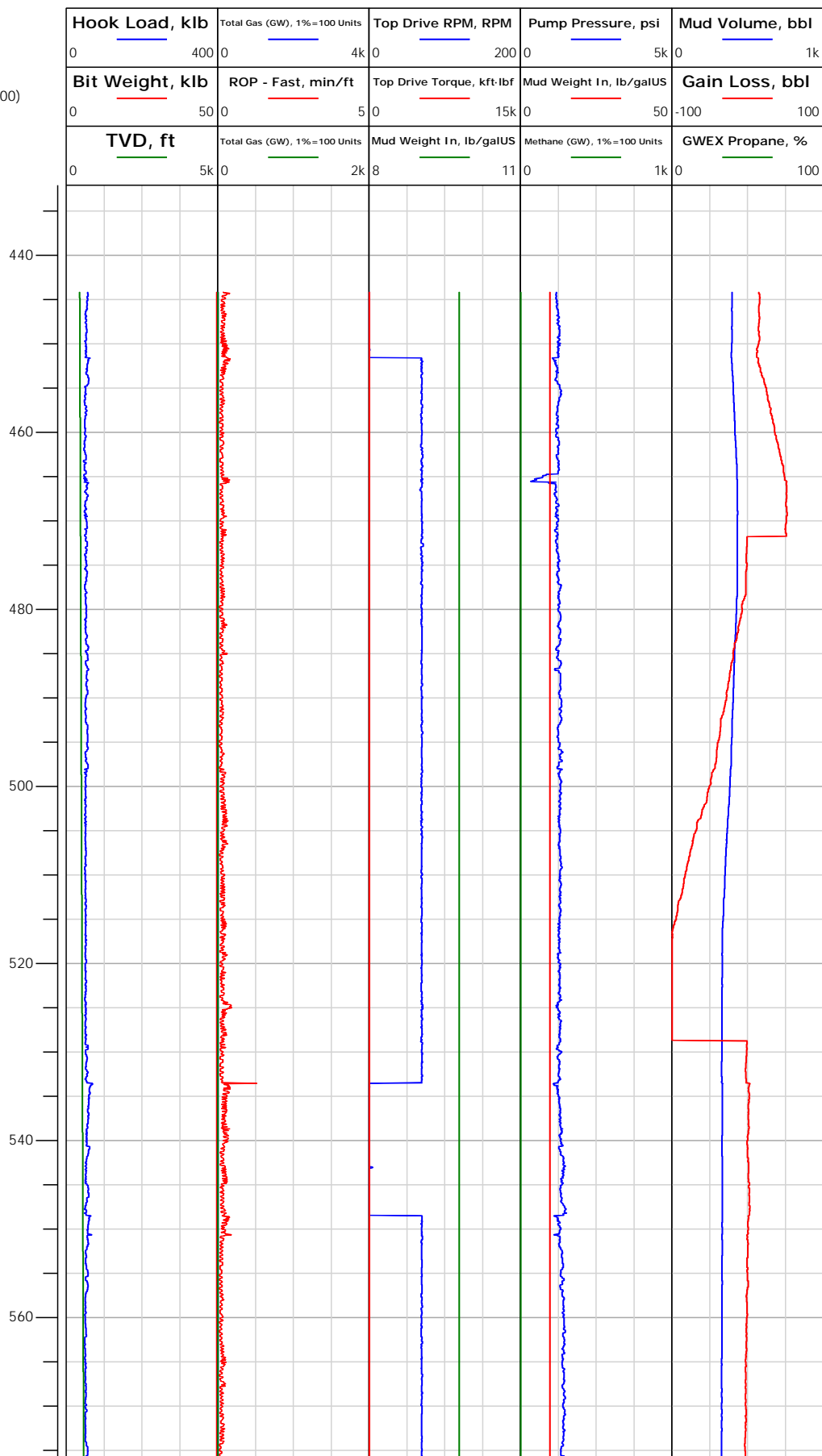
03:34

03:36

03:40

03:51

03:54



438.14: Rig Floor set Hole
Depth from 438.15 ft to
444.00 ft

475.00: Deviation Survey
475.00 ft, Deviation 1.1
deg, Direction 290.3 deg

567.00: Deviation Survey
567.00 ft, Deviation 2 deg,
Direction 265.6 deg



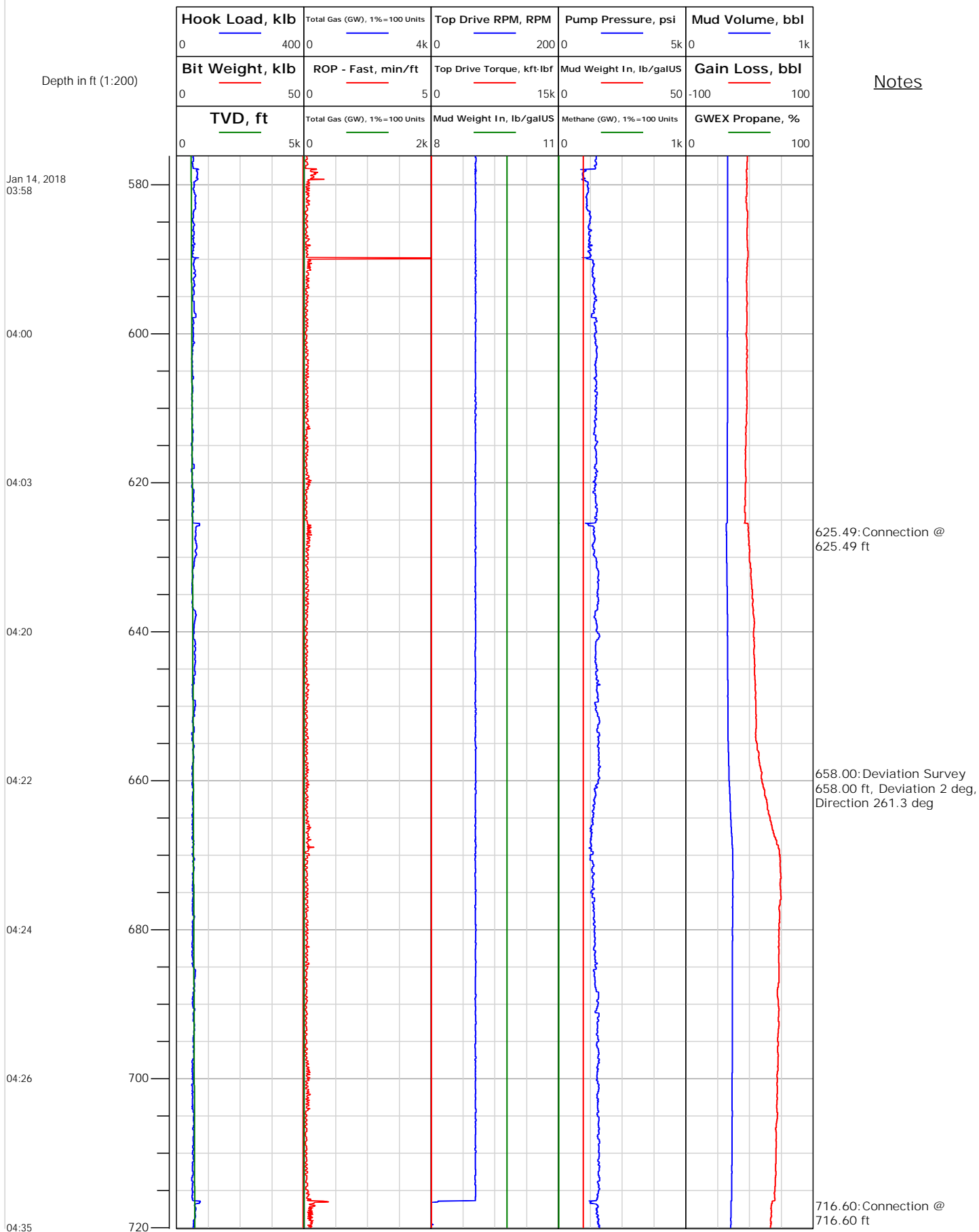
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Jan 14, 2018
04:39

04:42

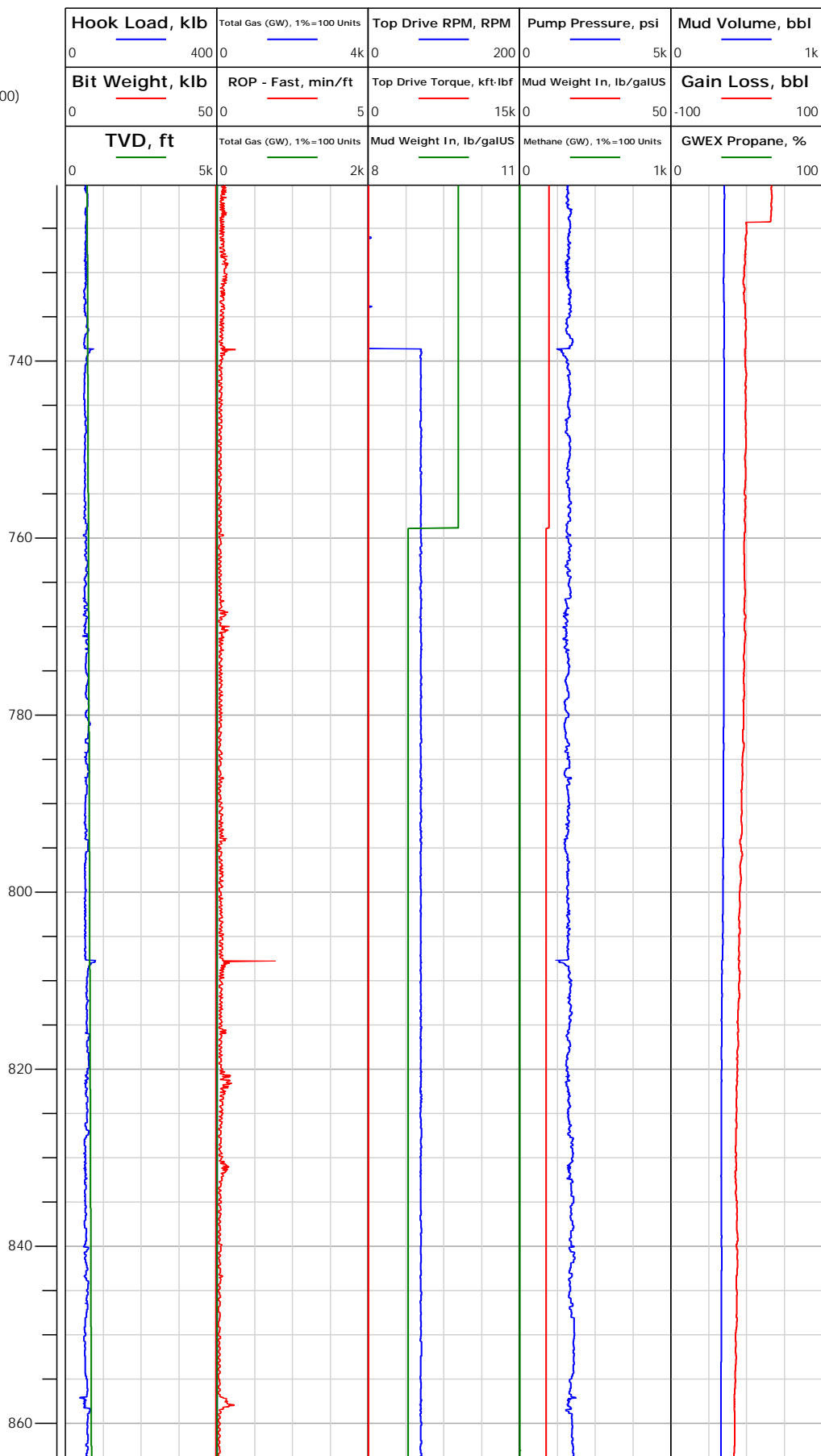
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04:47

04:54

04:57

04:59





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Jan 14, 2018
05:01

05:09

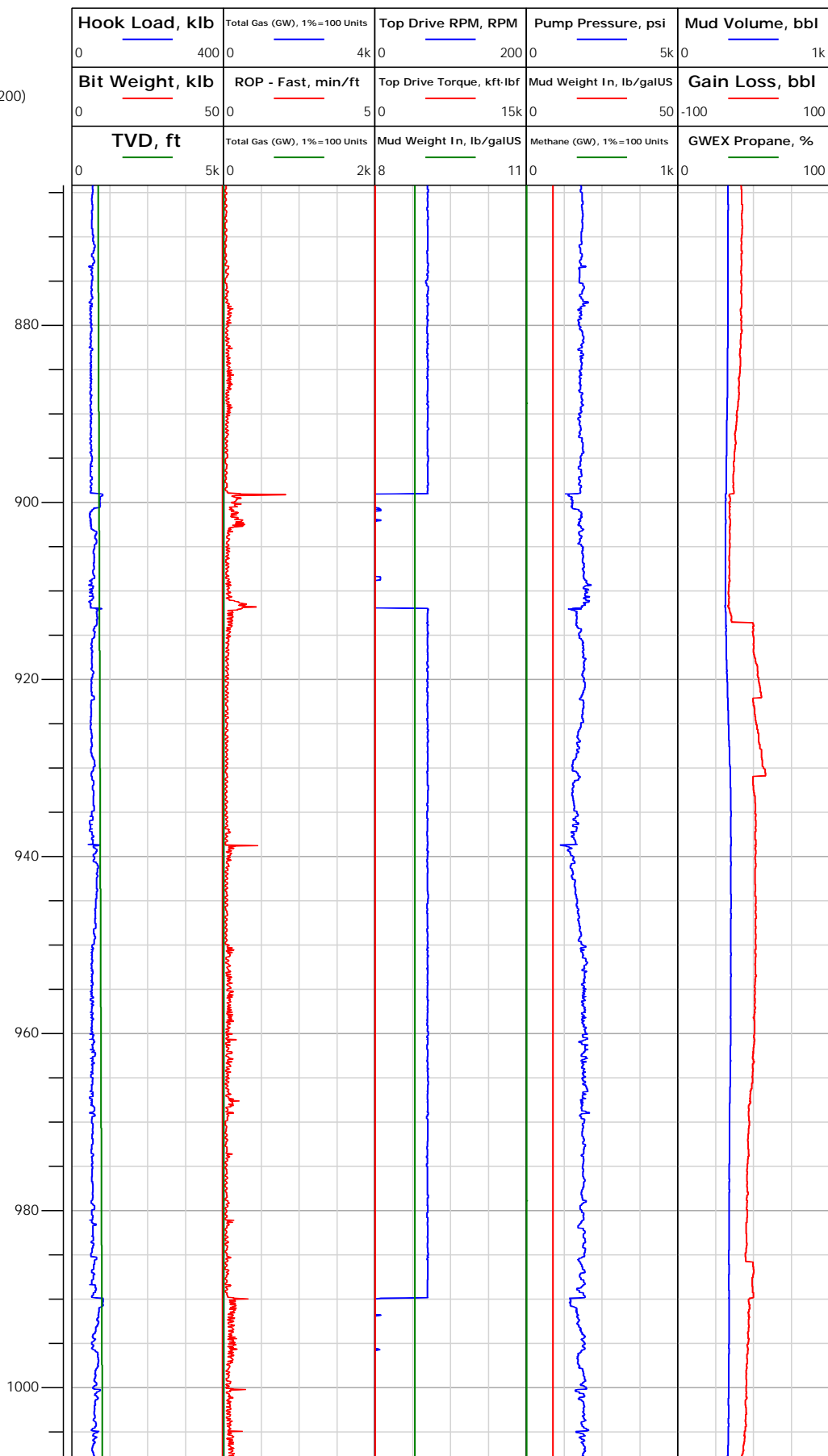
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05:17

05:19

05:22

05:57





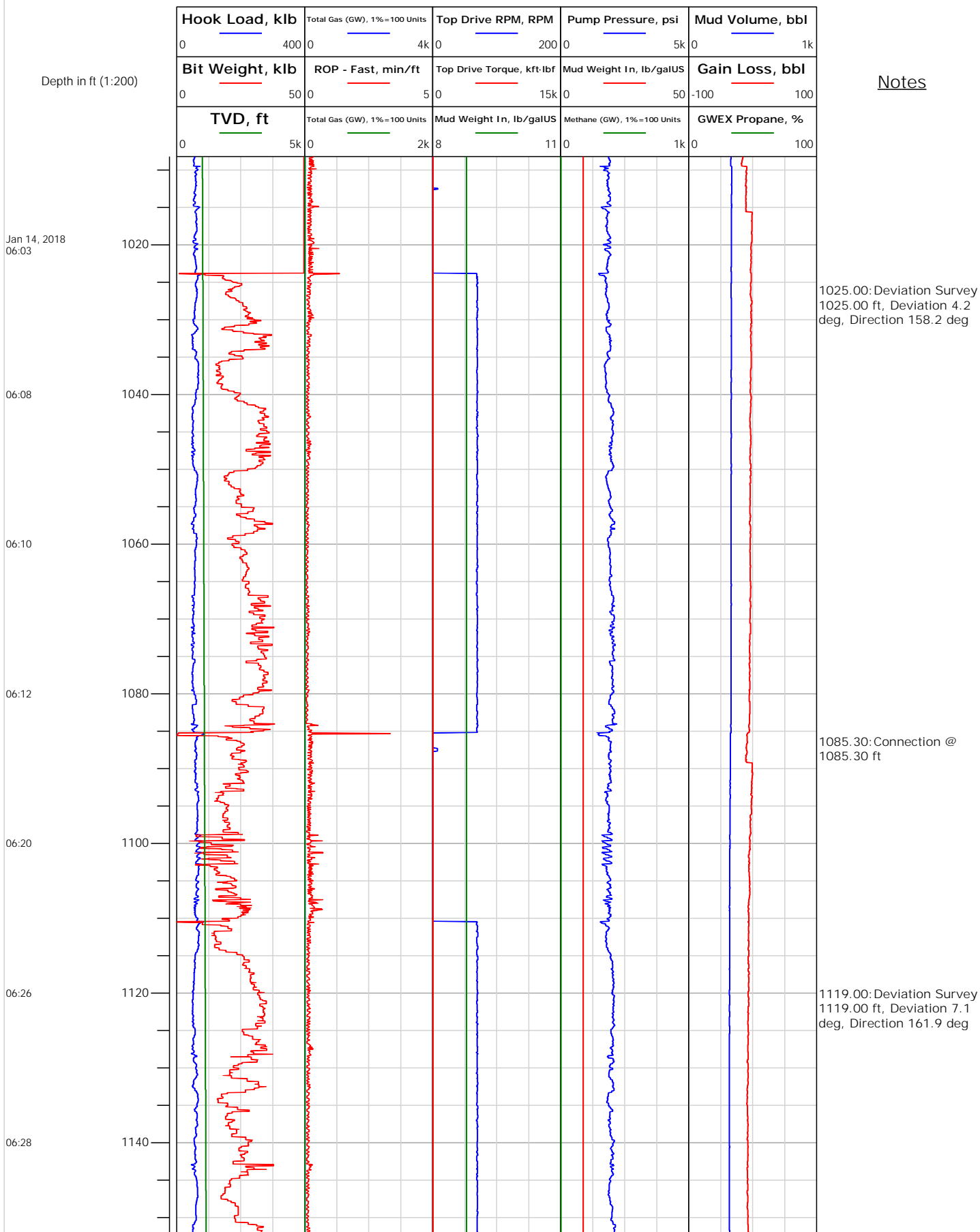
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





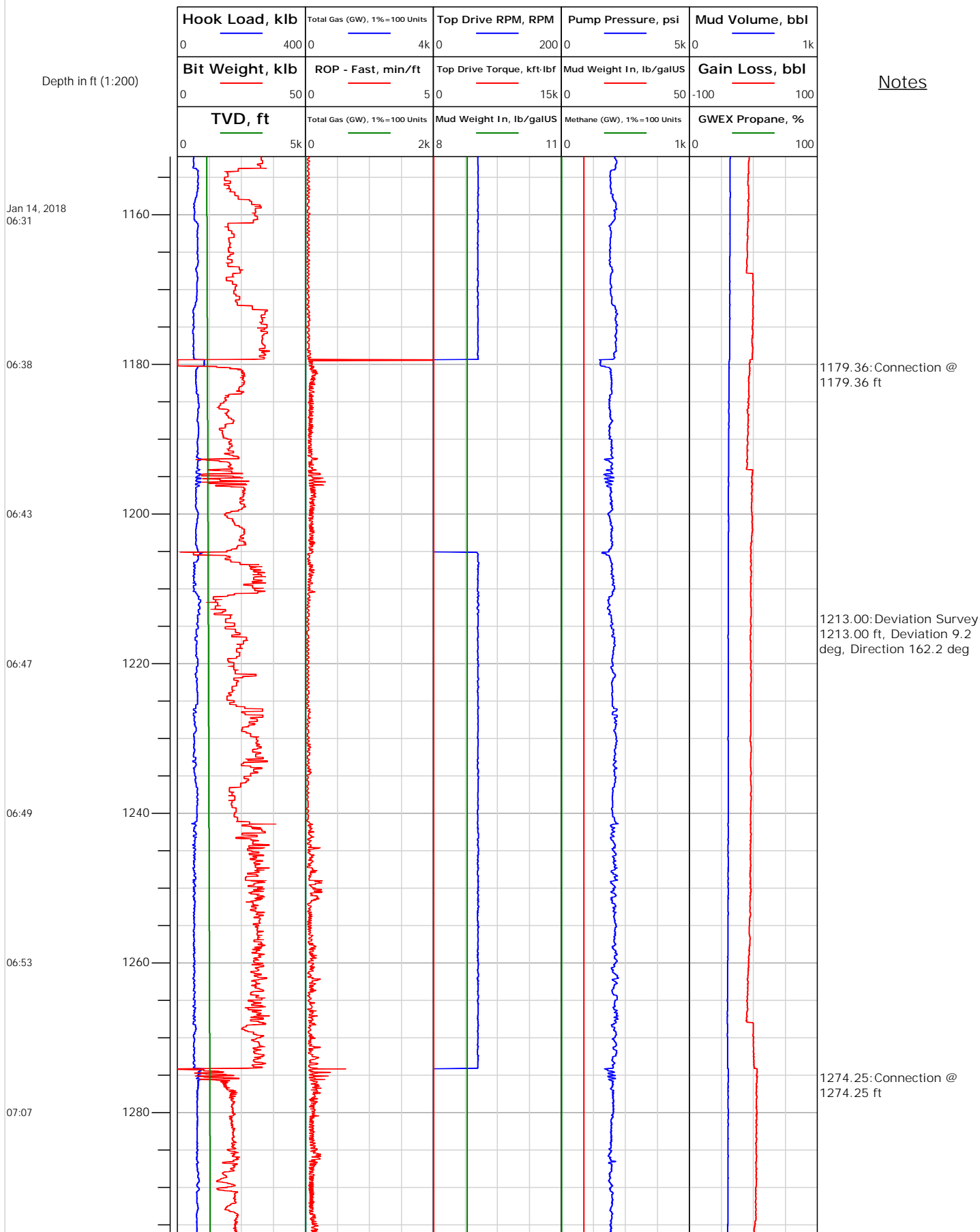
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





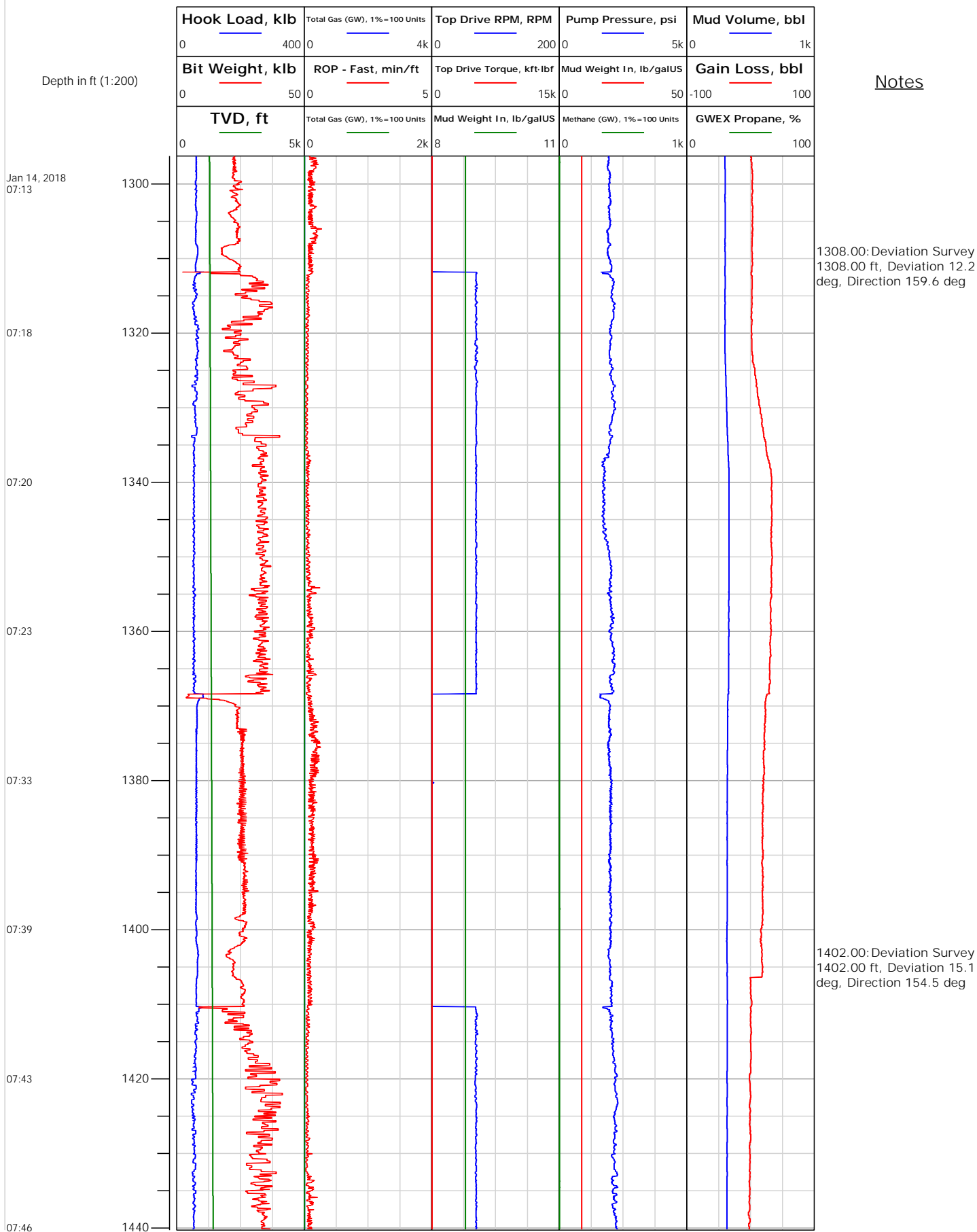
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





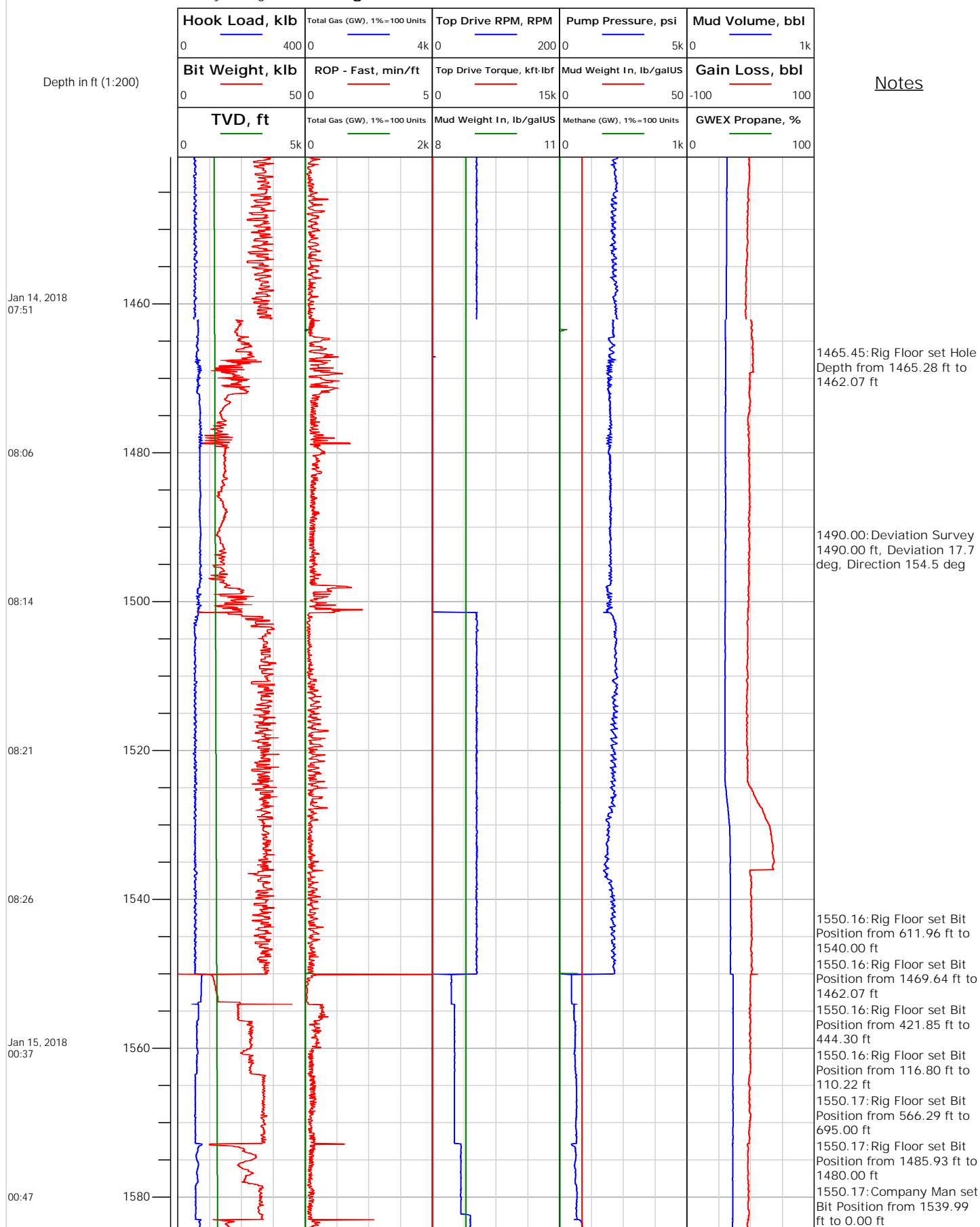
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





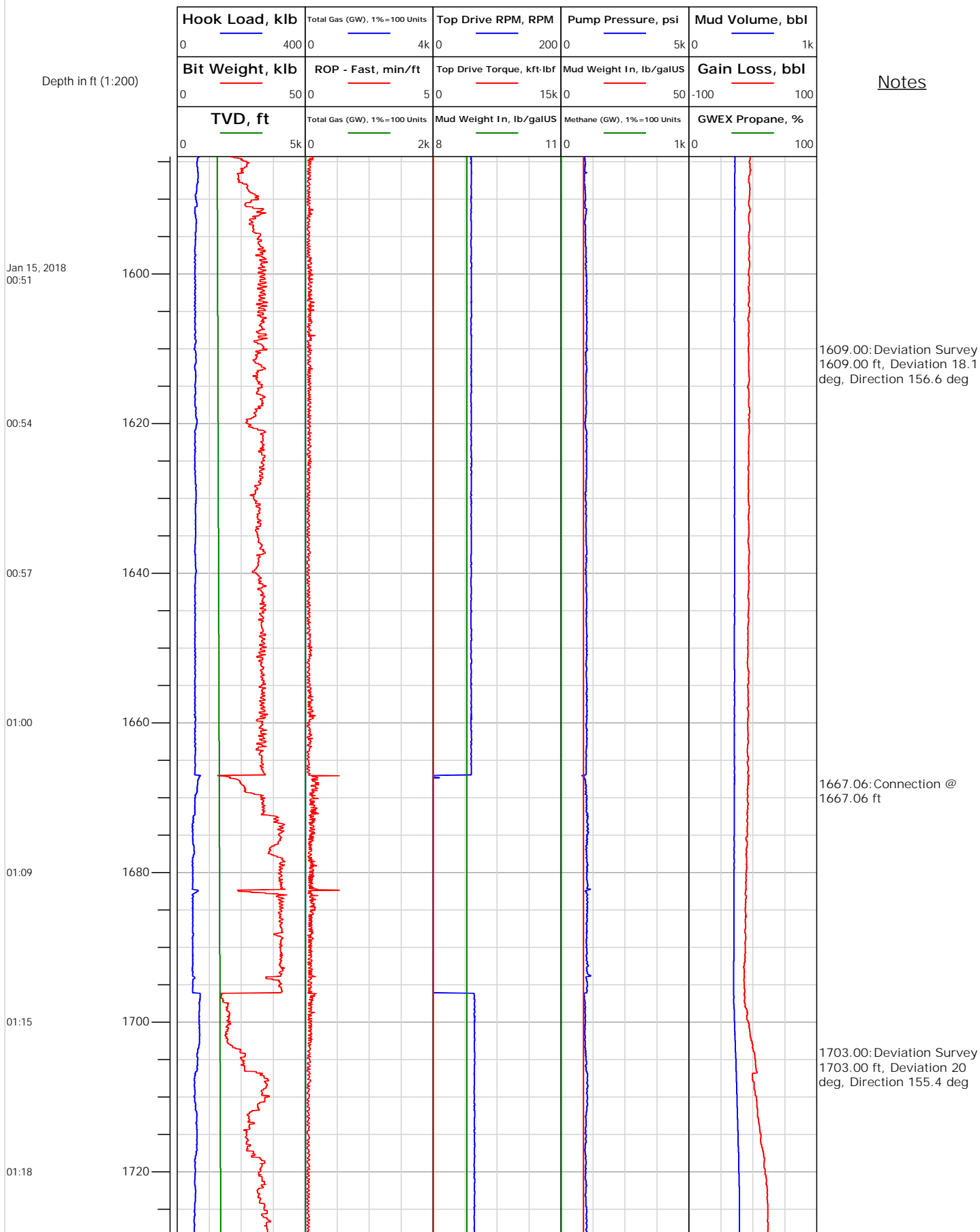
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





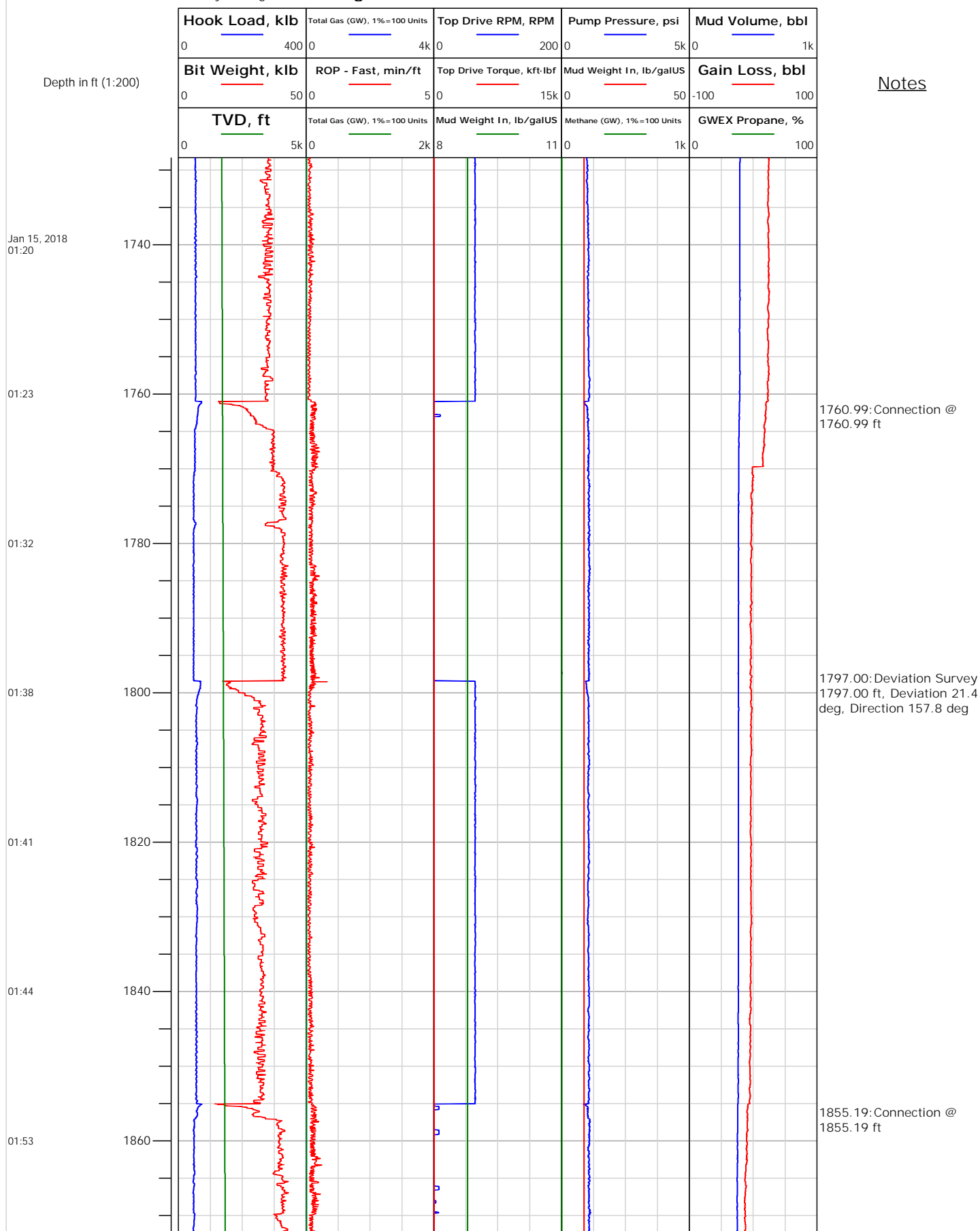
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





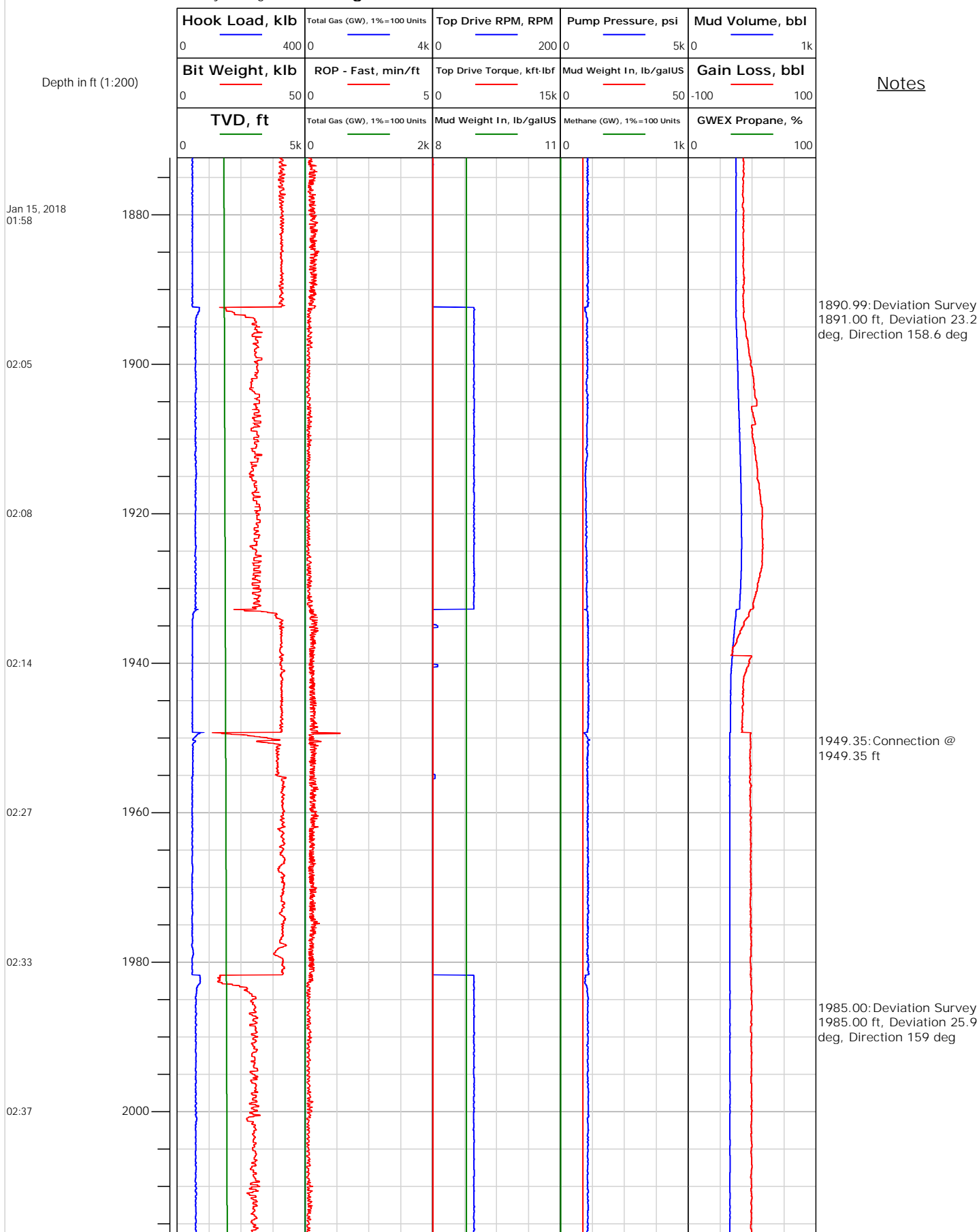
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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





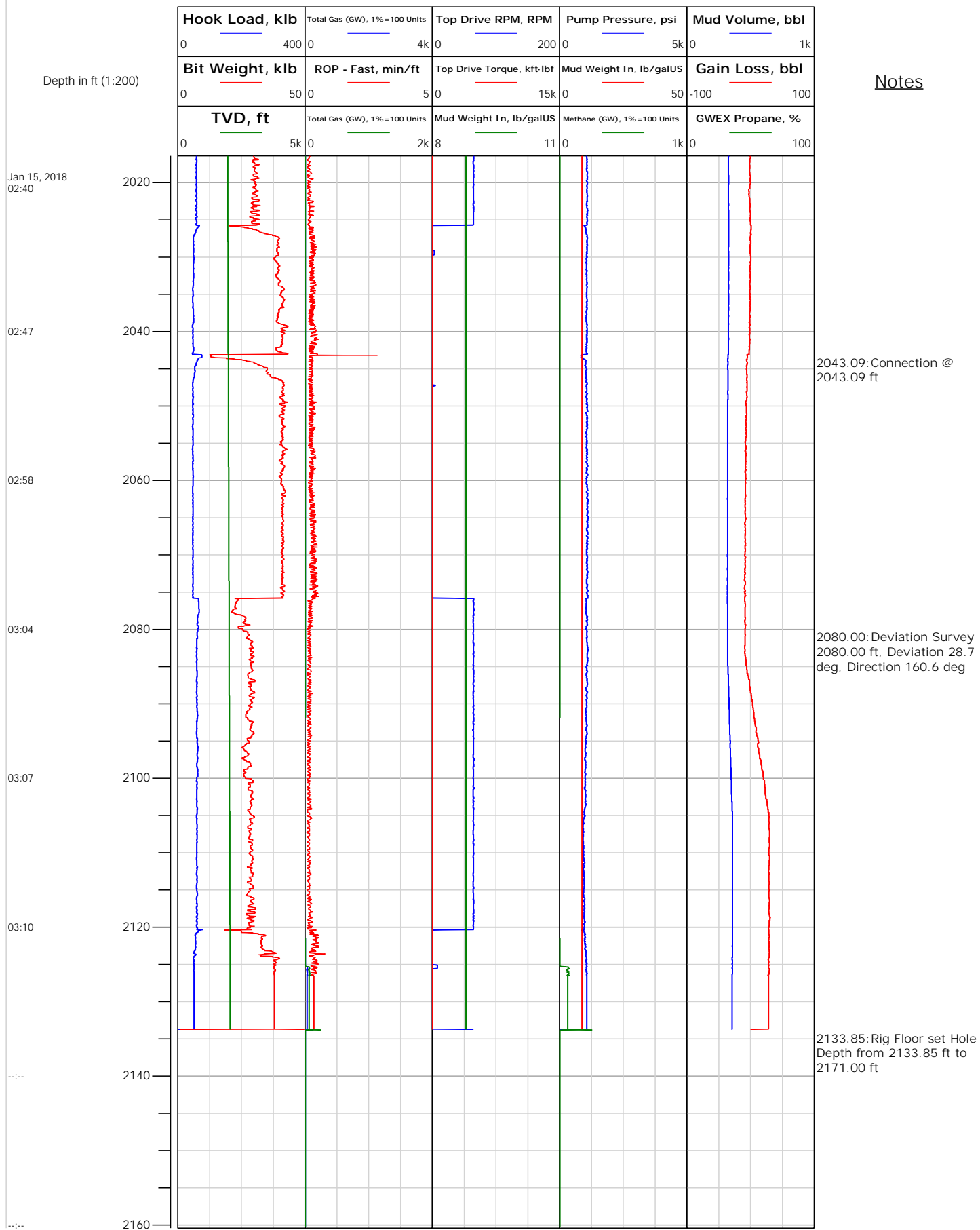
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes

Depth in ft (1:200)

Jan 15, 2018
03:37

03:40

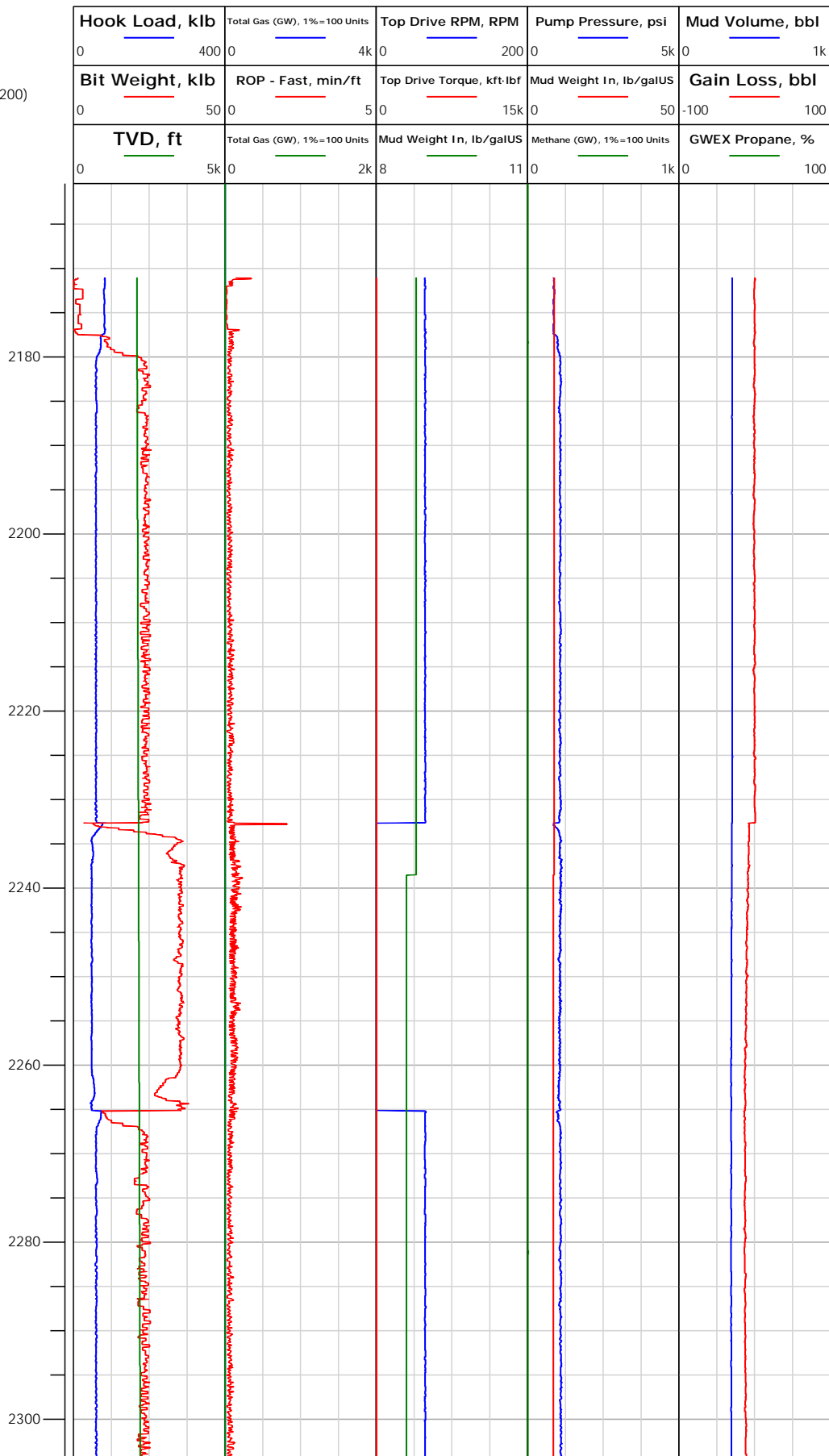
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03:52

03:58

04:03

04:06





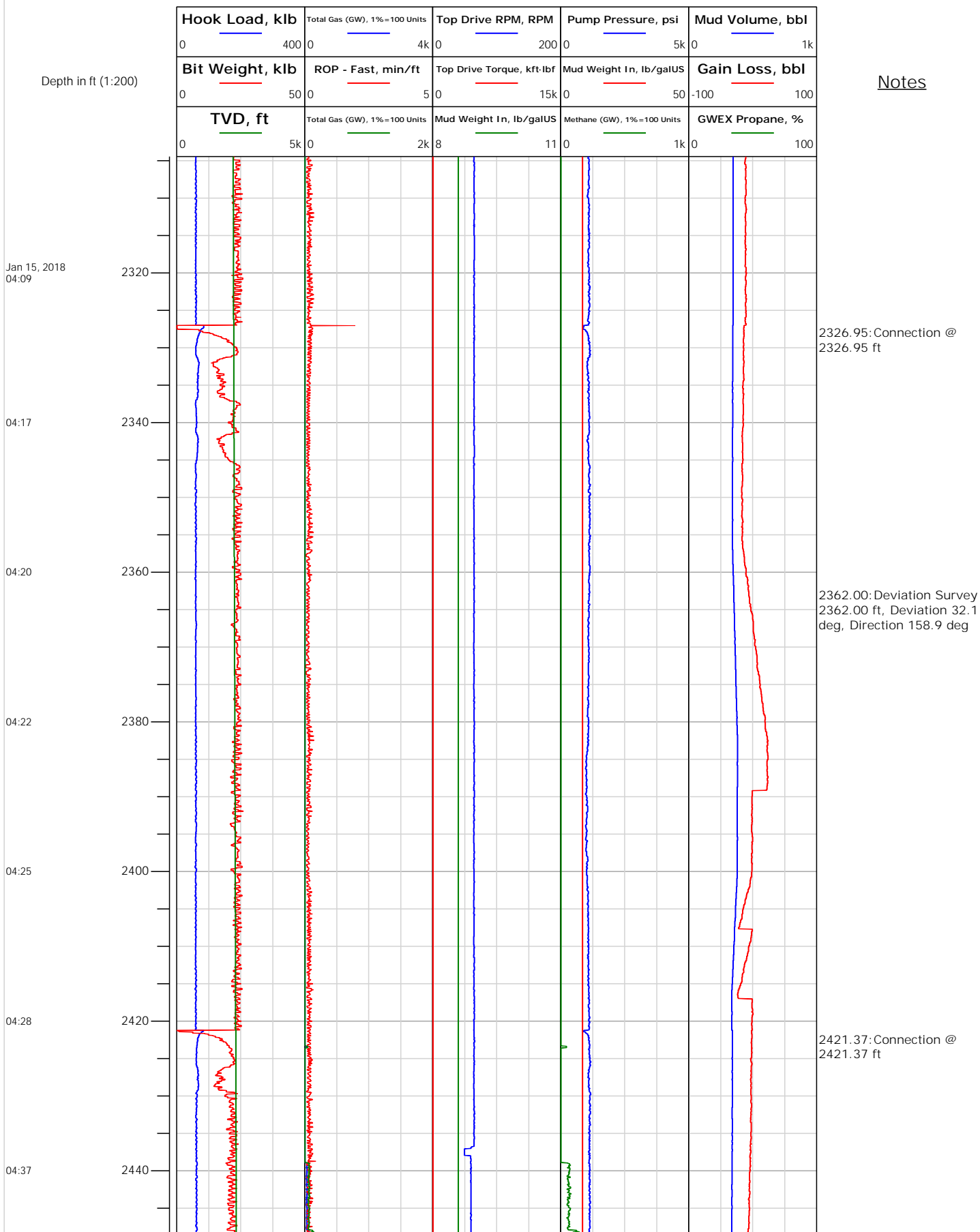
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





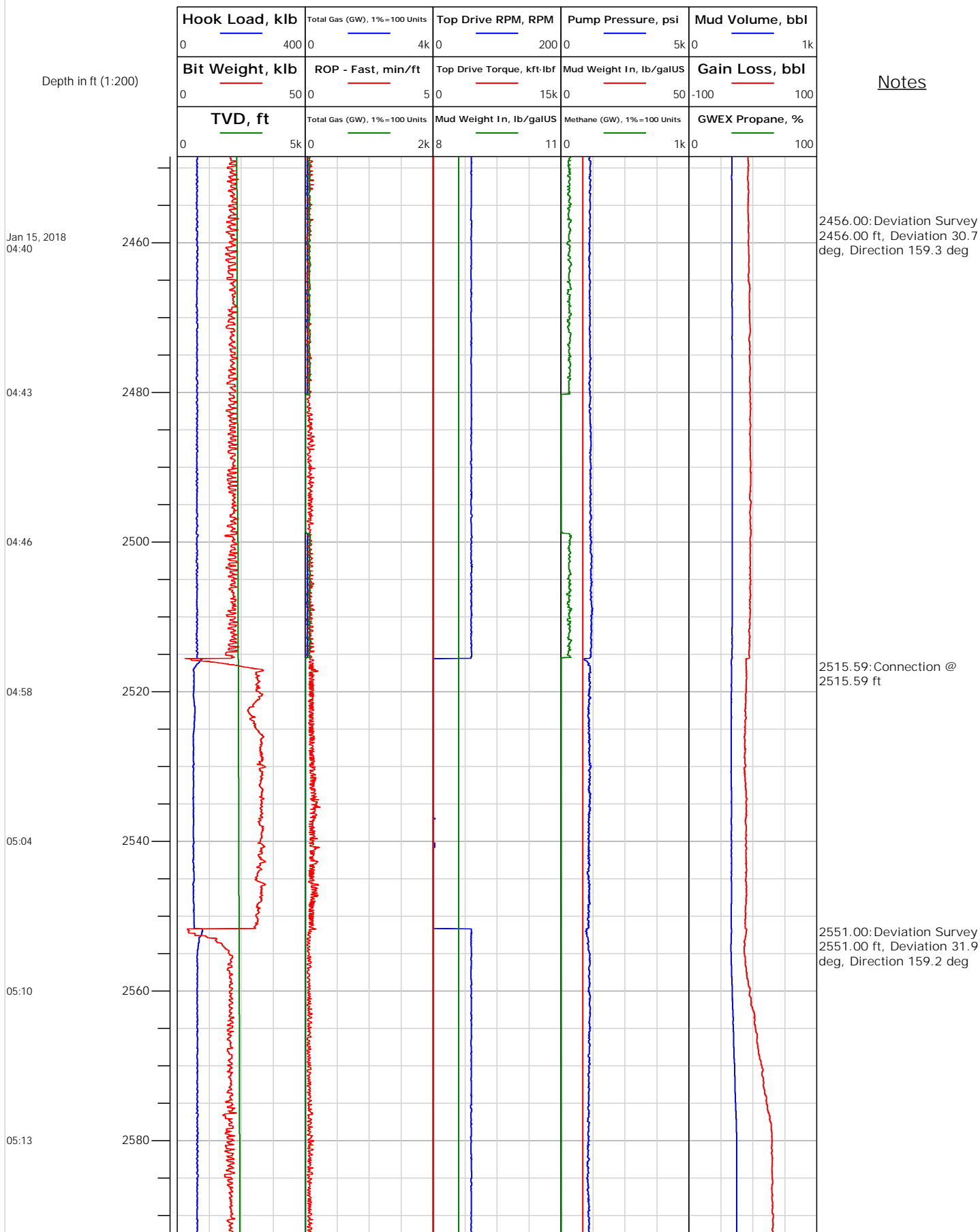
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





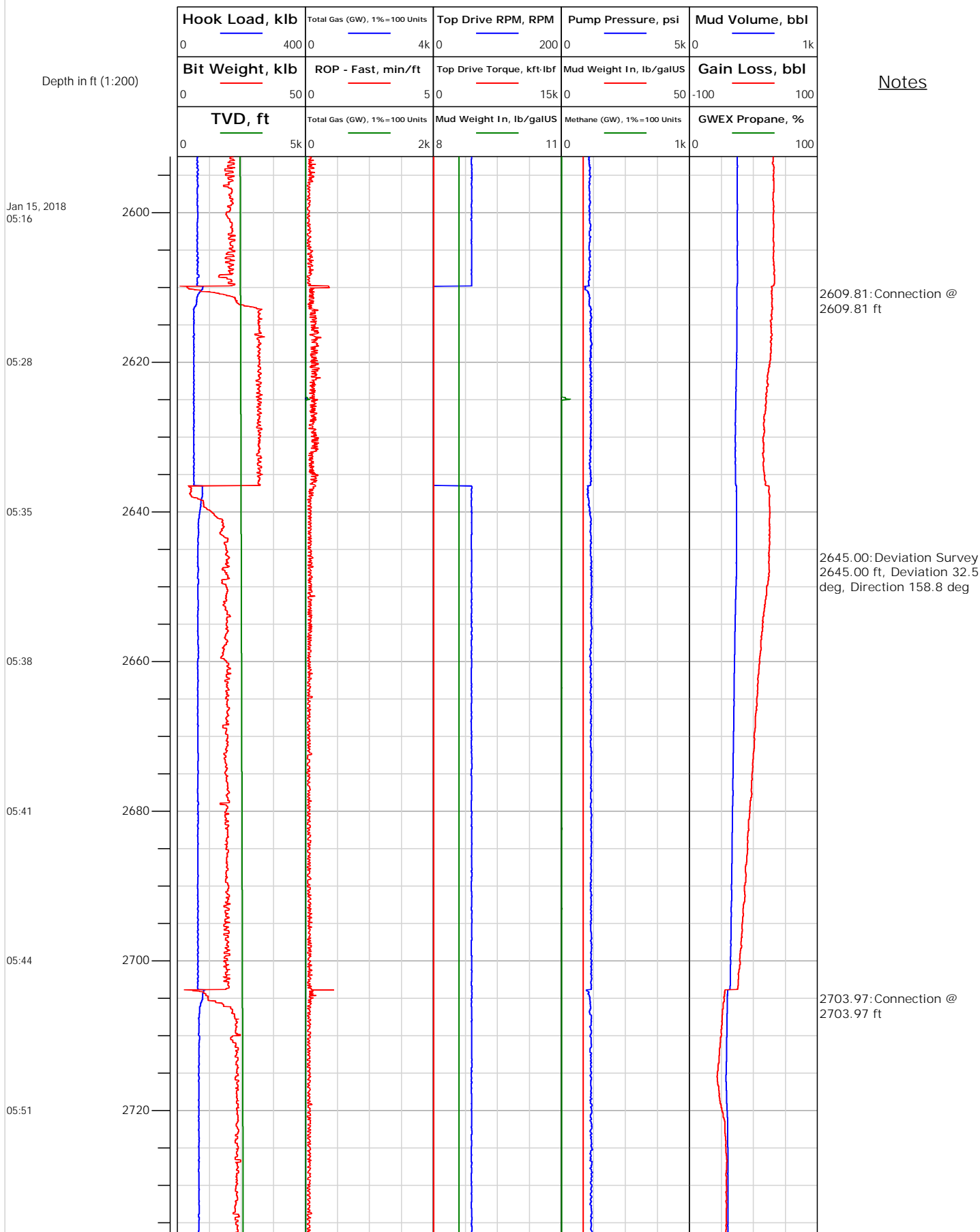
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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





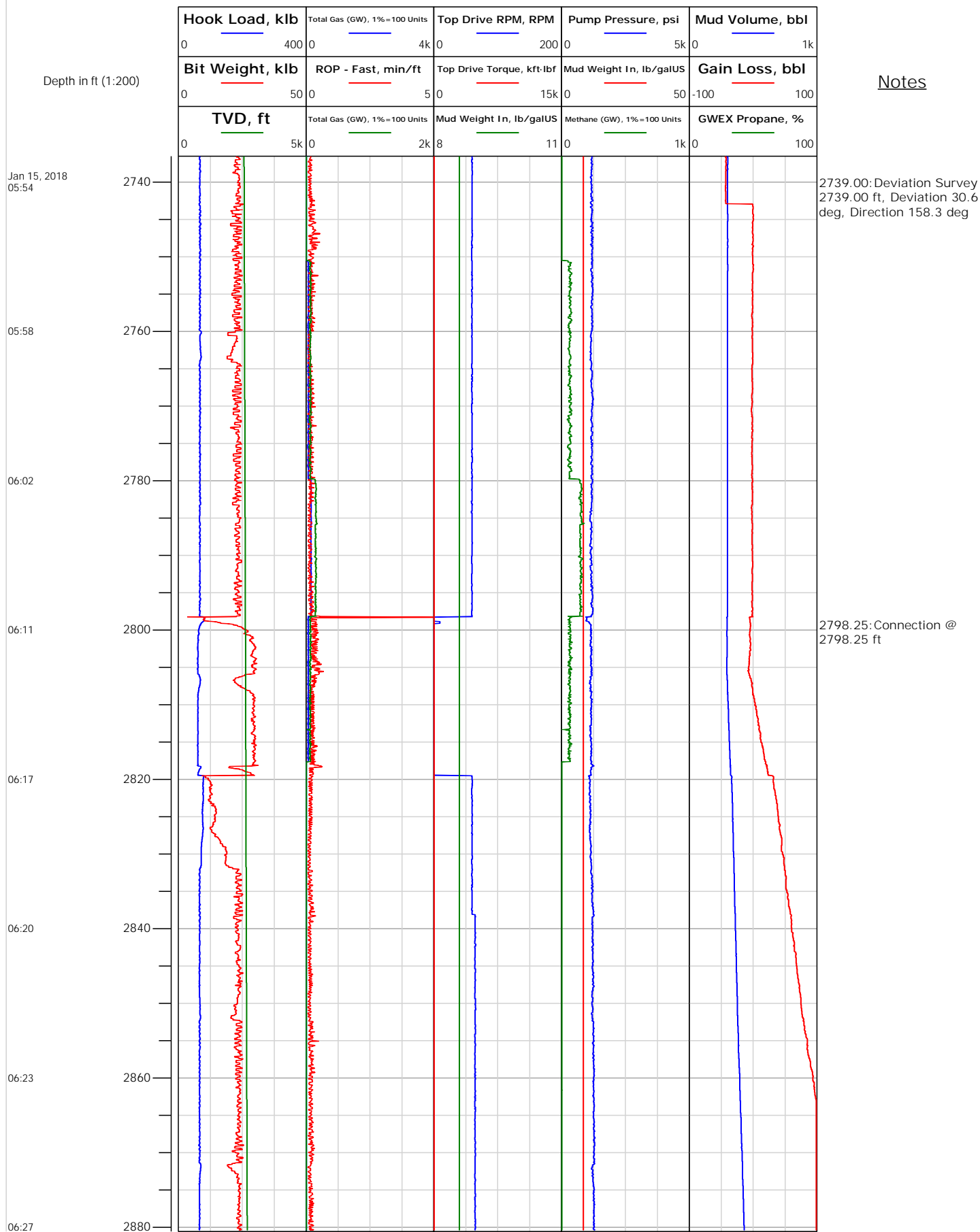
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





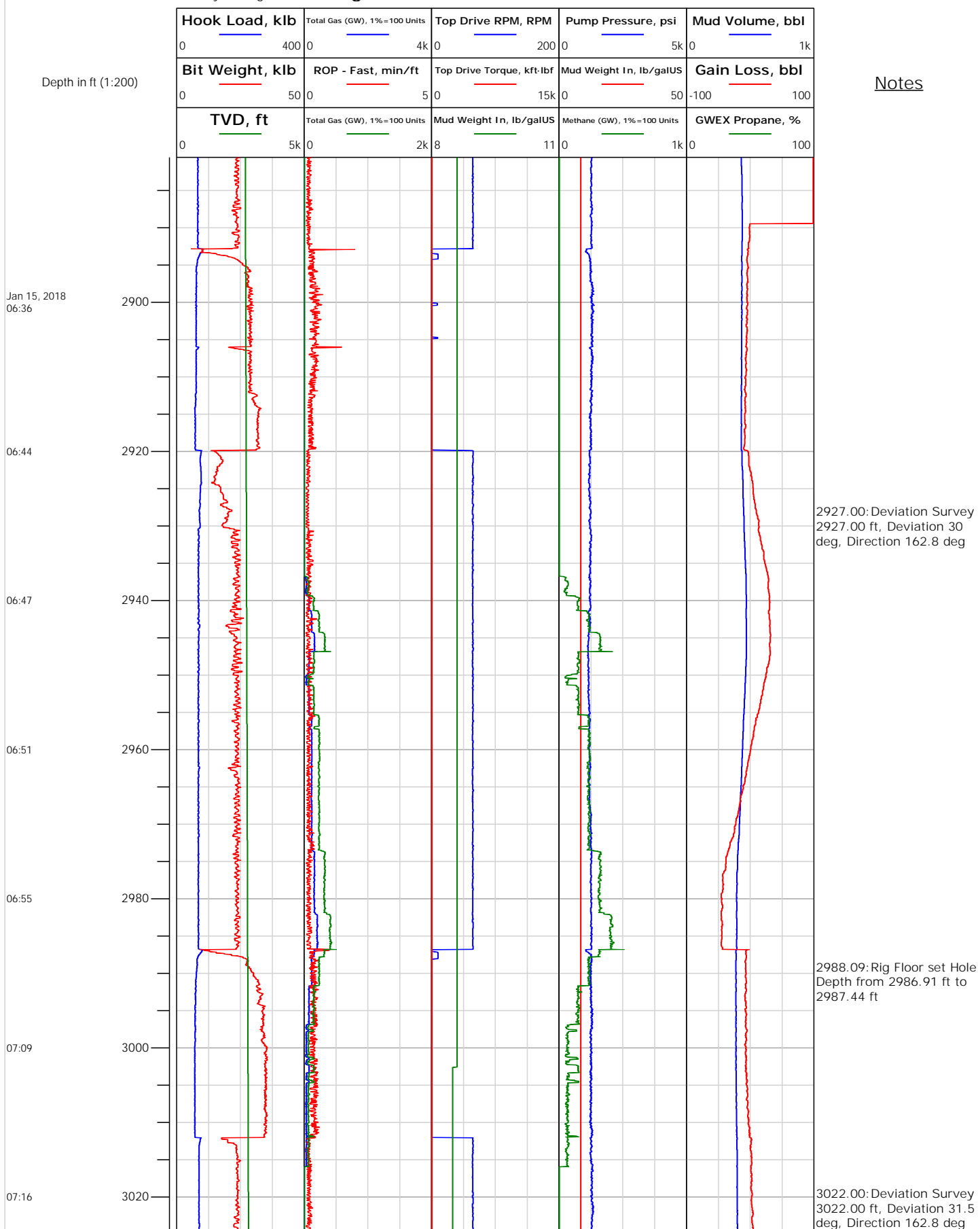
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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





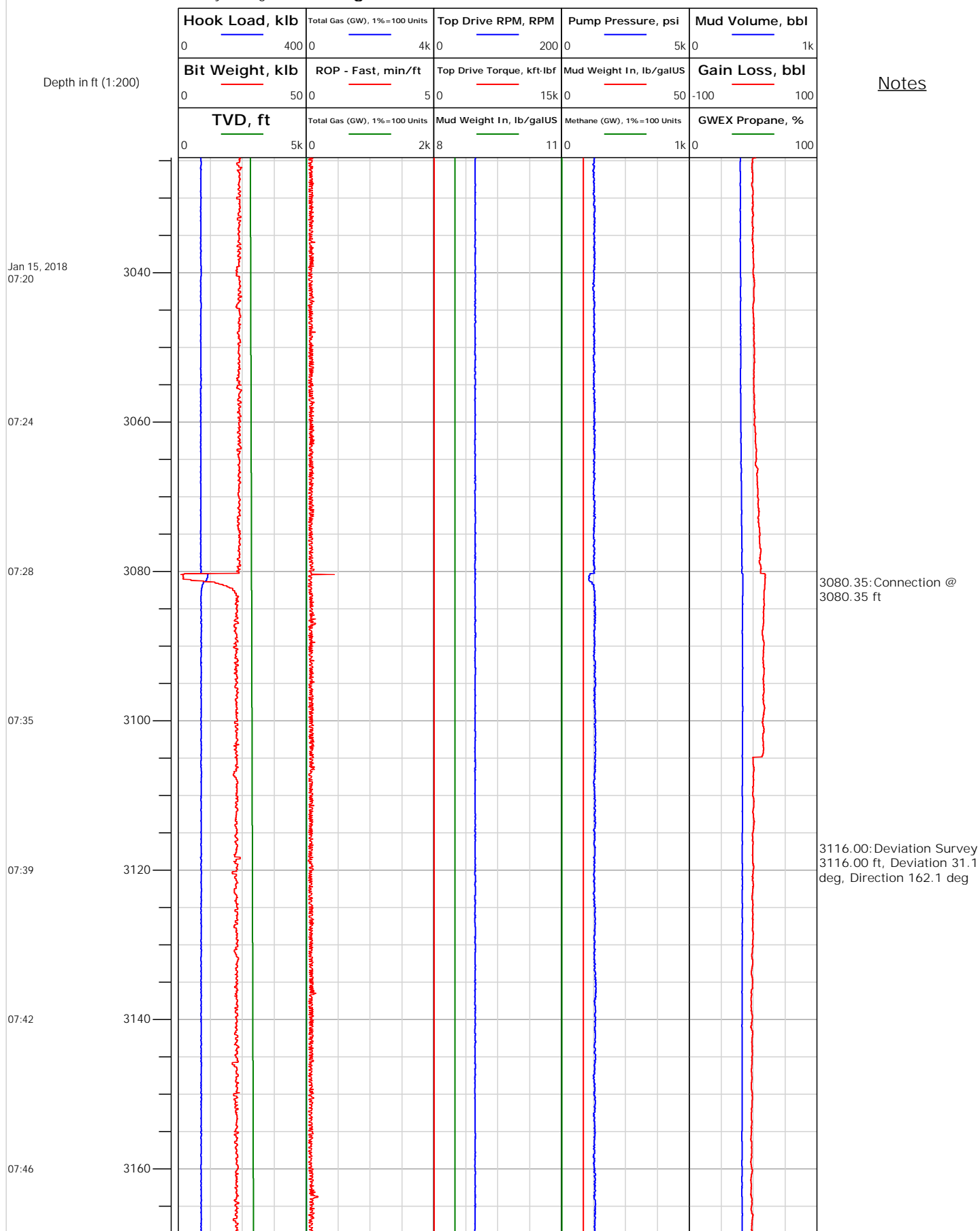
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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





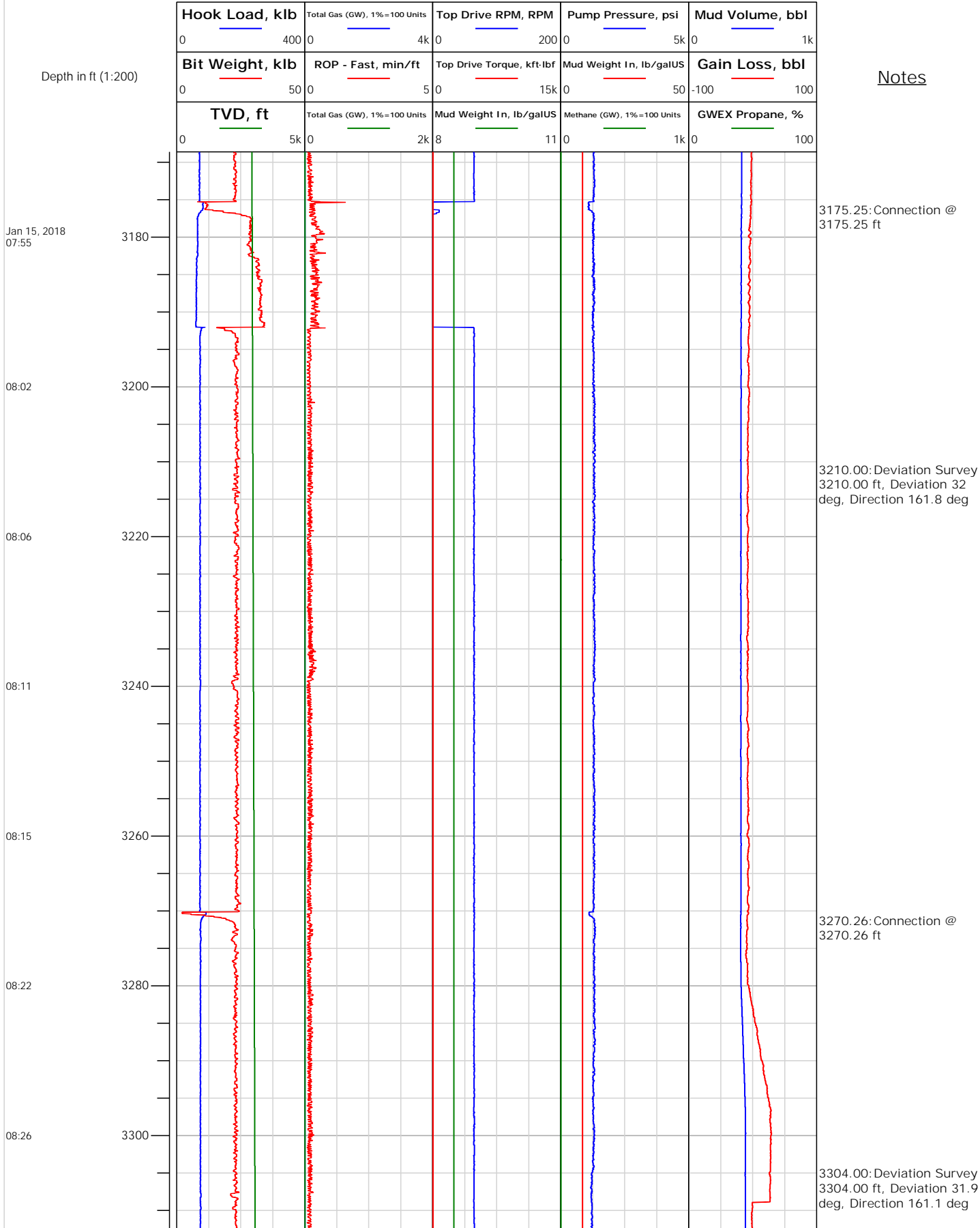
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





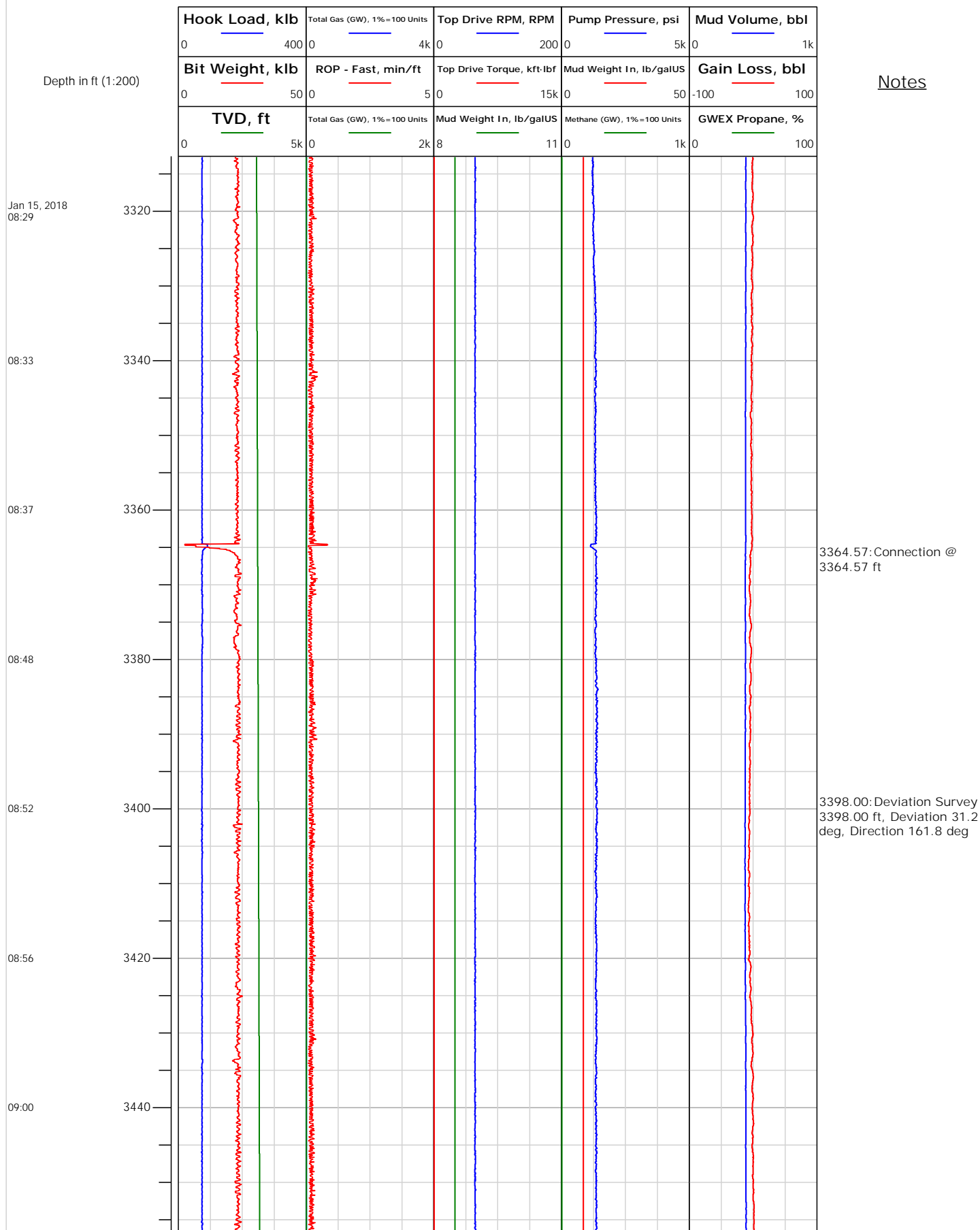
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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





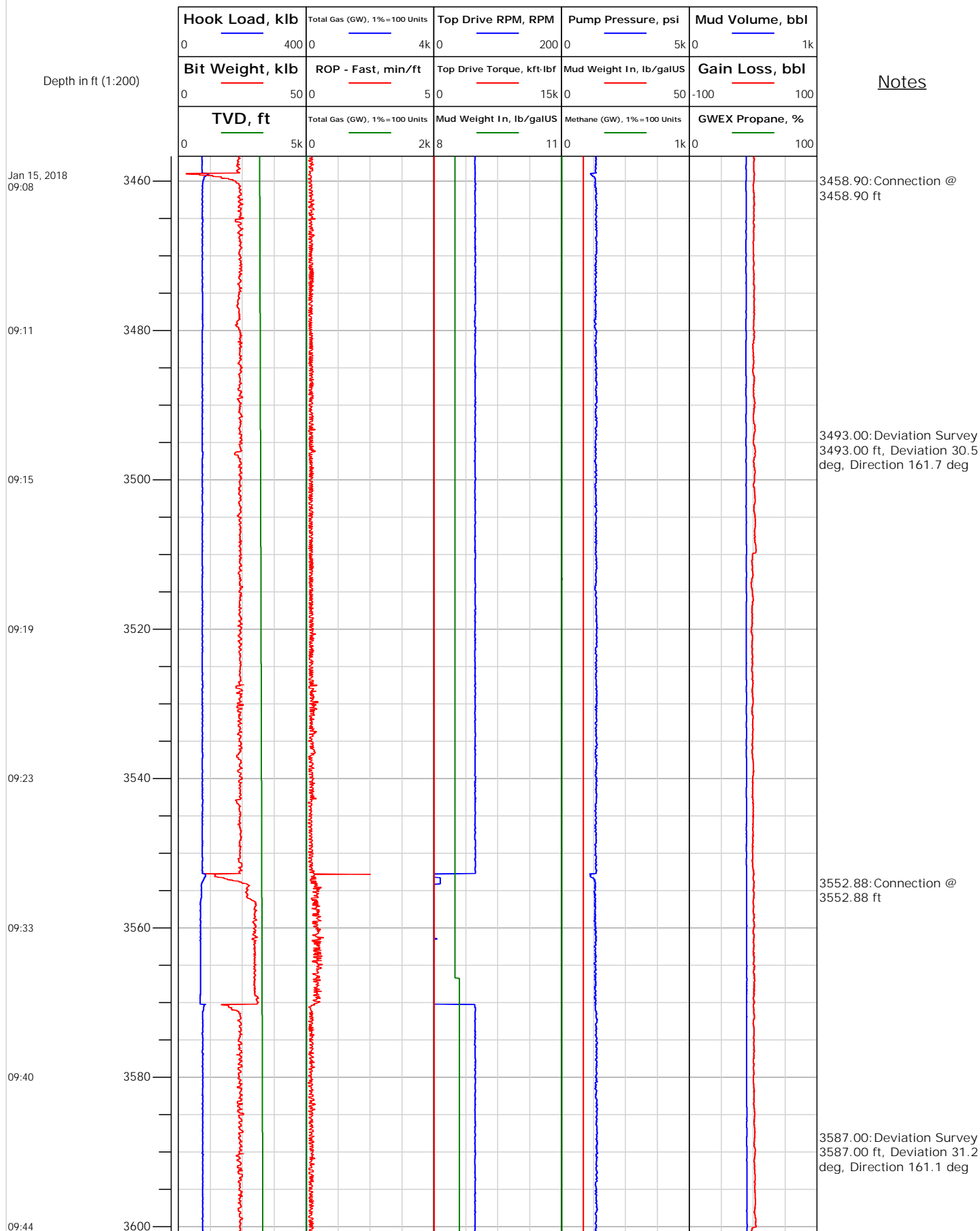
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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





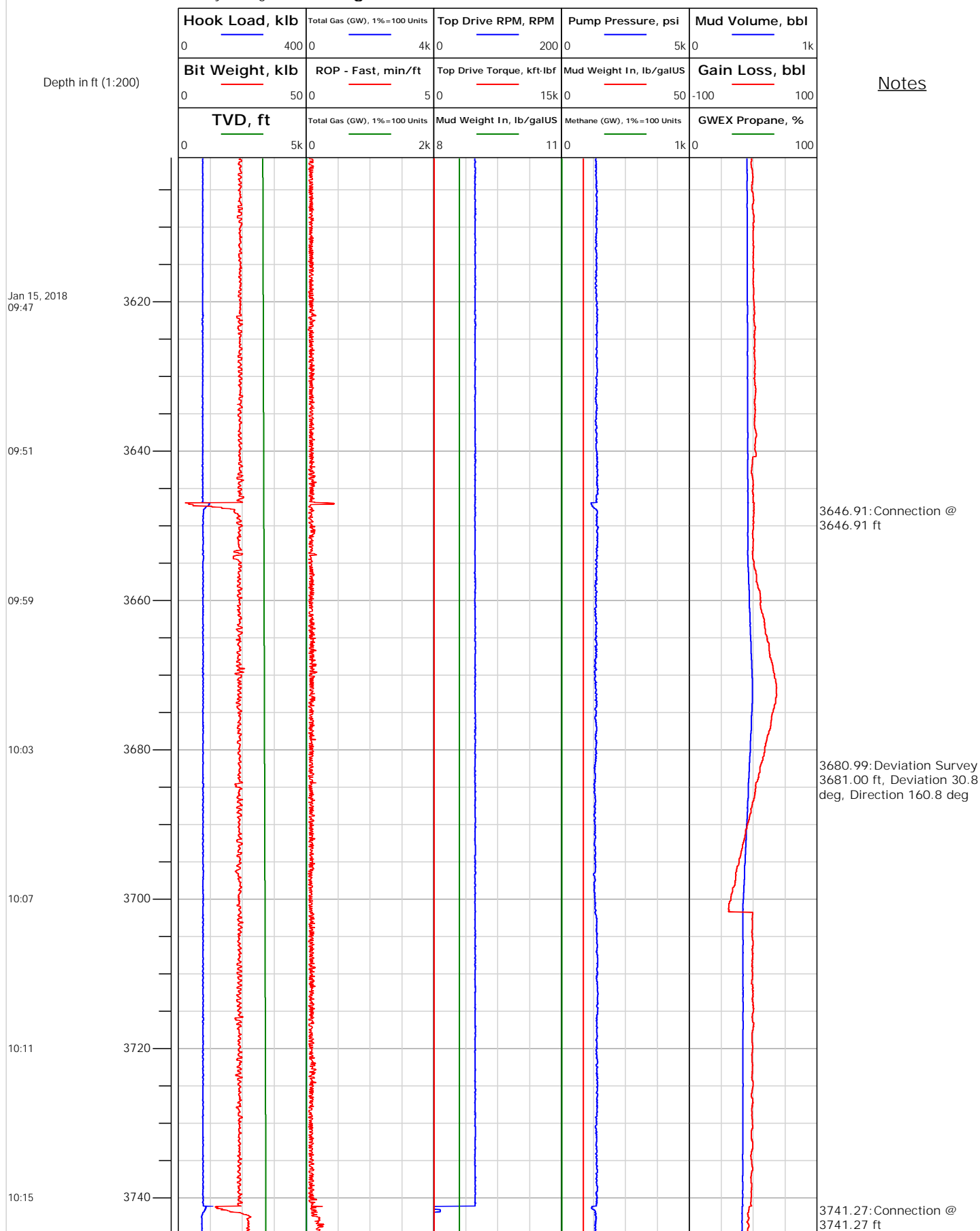
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





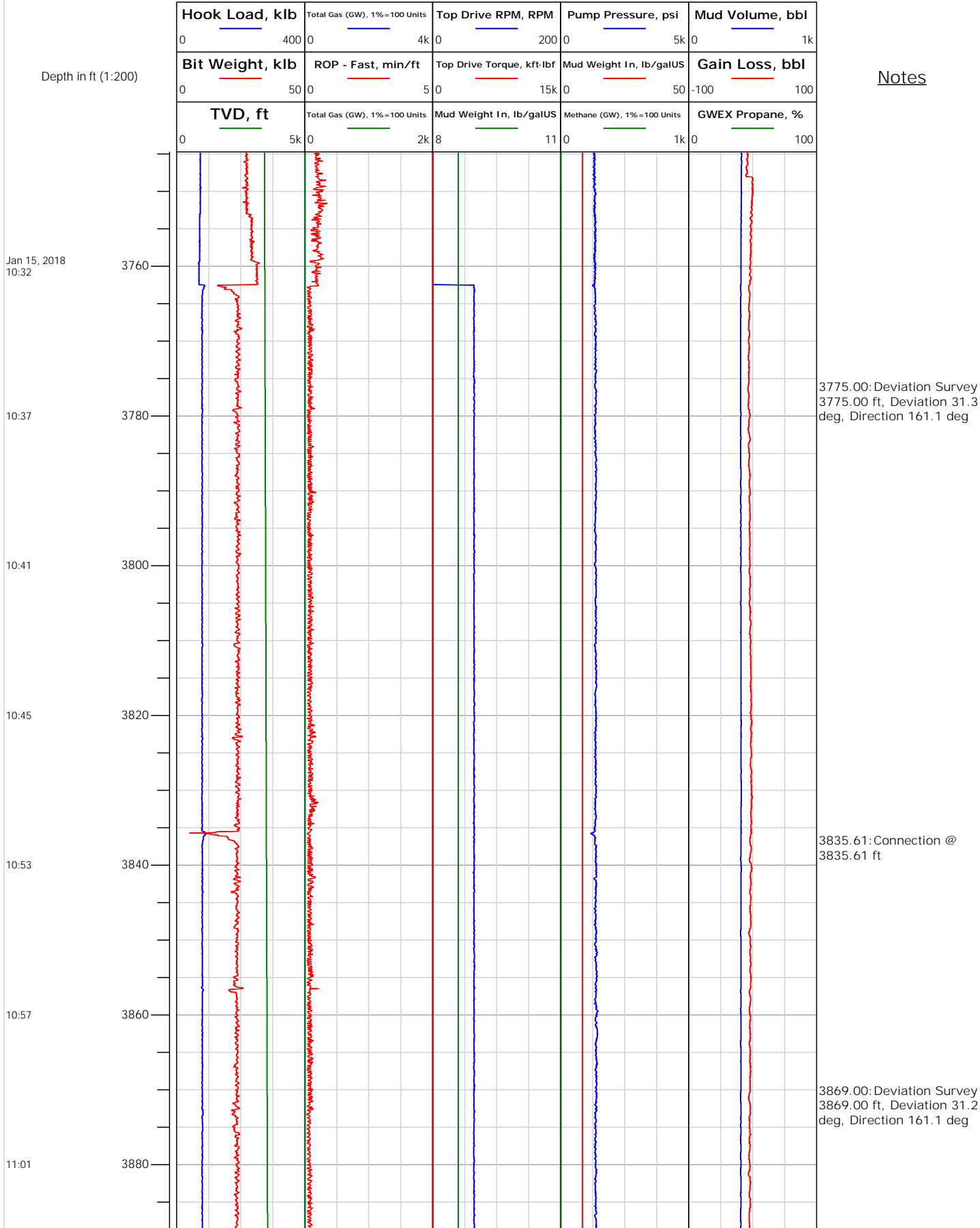
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





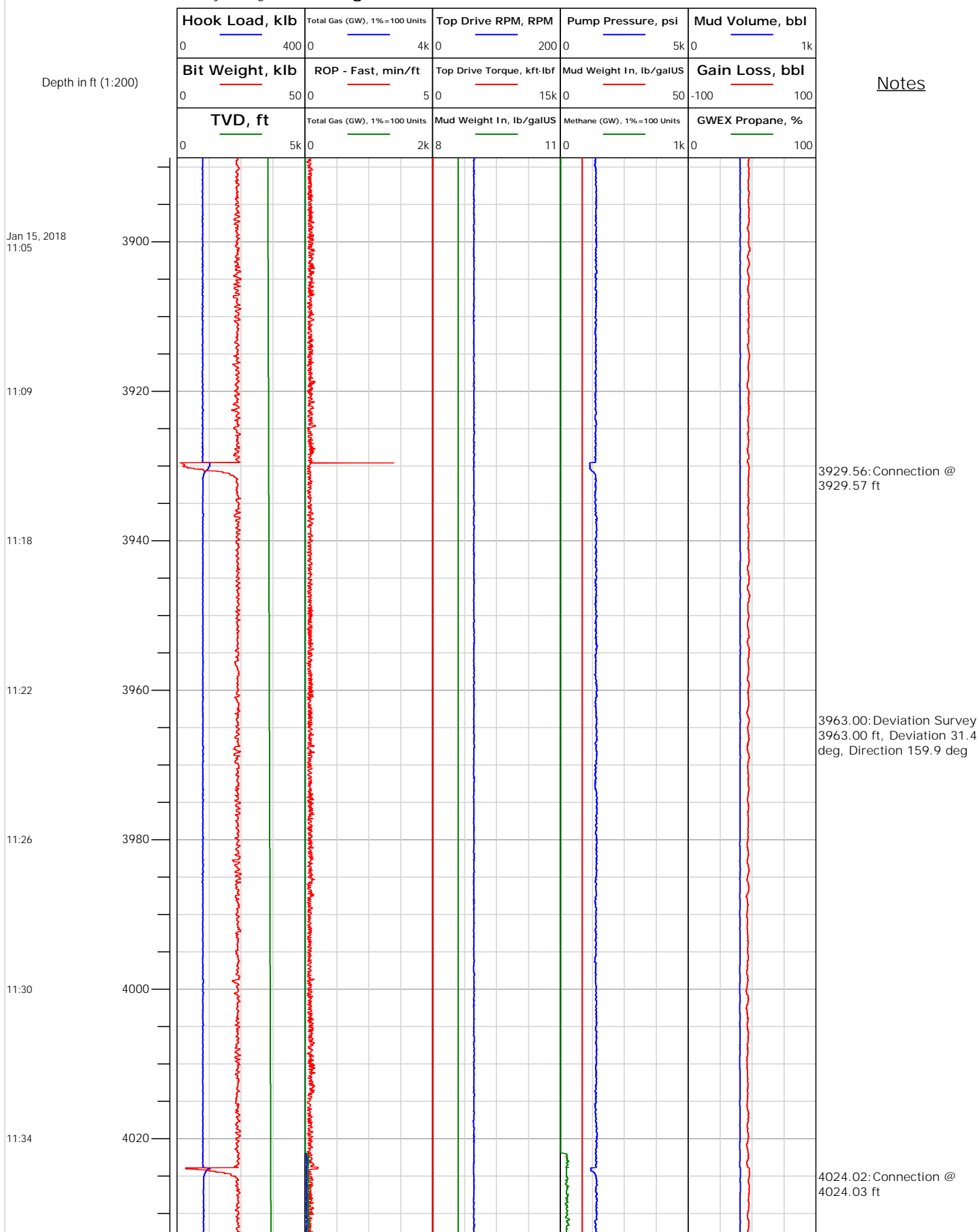
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes

Depth in ft (1:200)

Jan 15, 2018
11:42

11:46

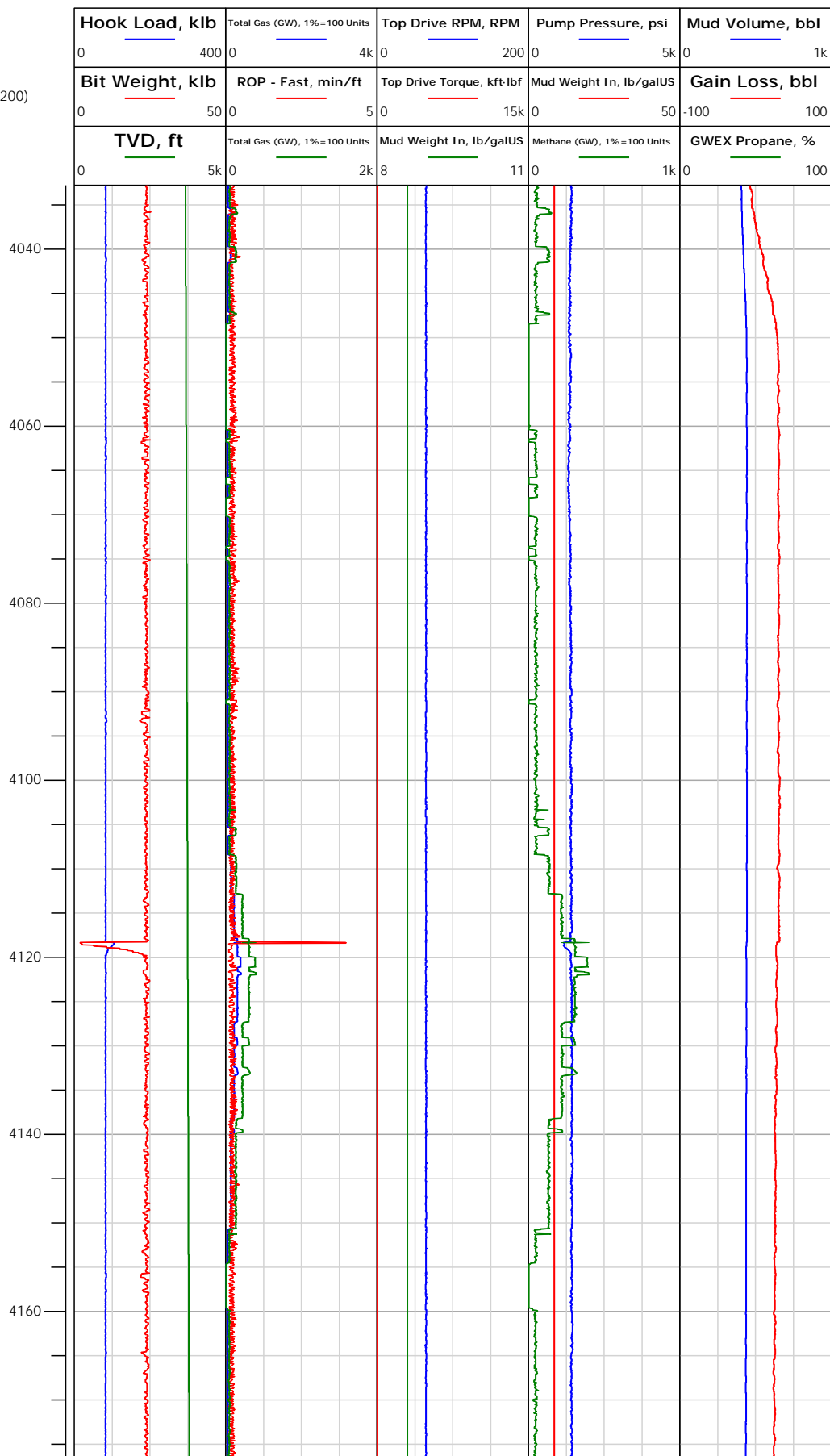
11:50

11:55

12:06

12:10

12:14



4057.00: Deviation Survey
4057.00 ft, Deviation 30.8
deg, Direction 159.4 deg

4118.35: Connection @
4118.35 ft

4151.00: Deviation Survey
4151.00 ft, Deviation 30.2
deg, Direction 159.7 deg



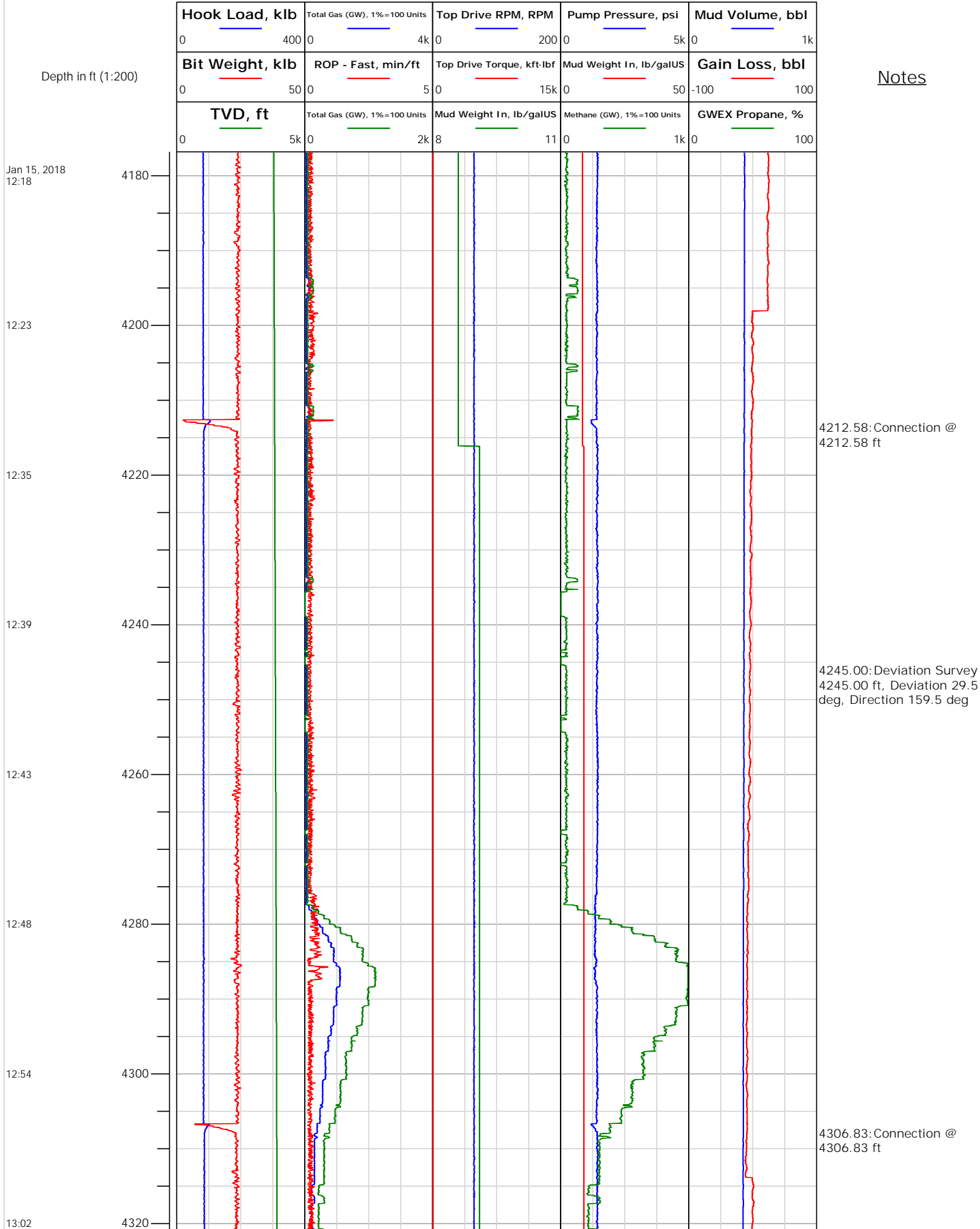
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





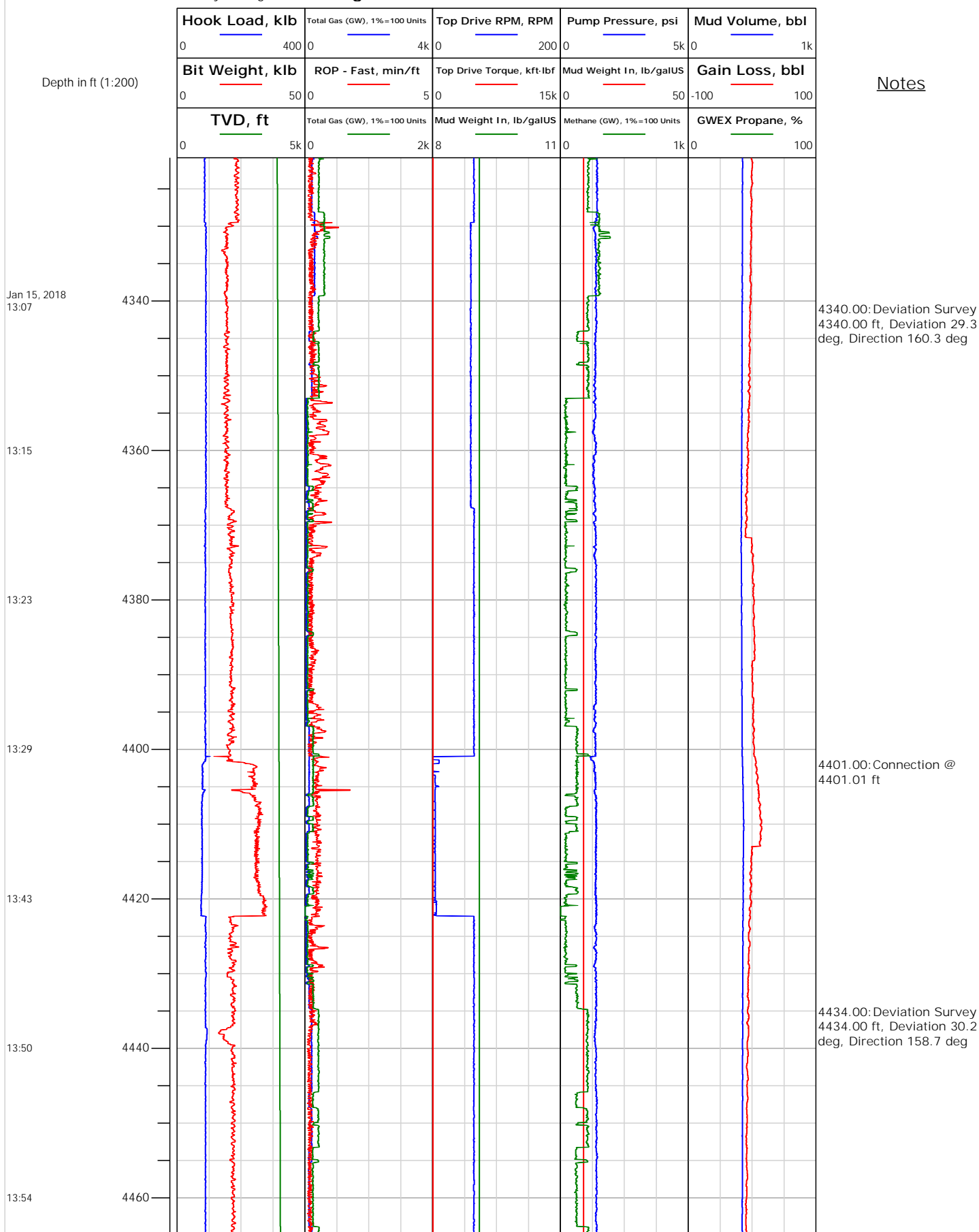
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Jan 15, 2018
13:58

14:06

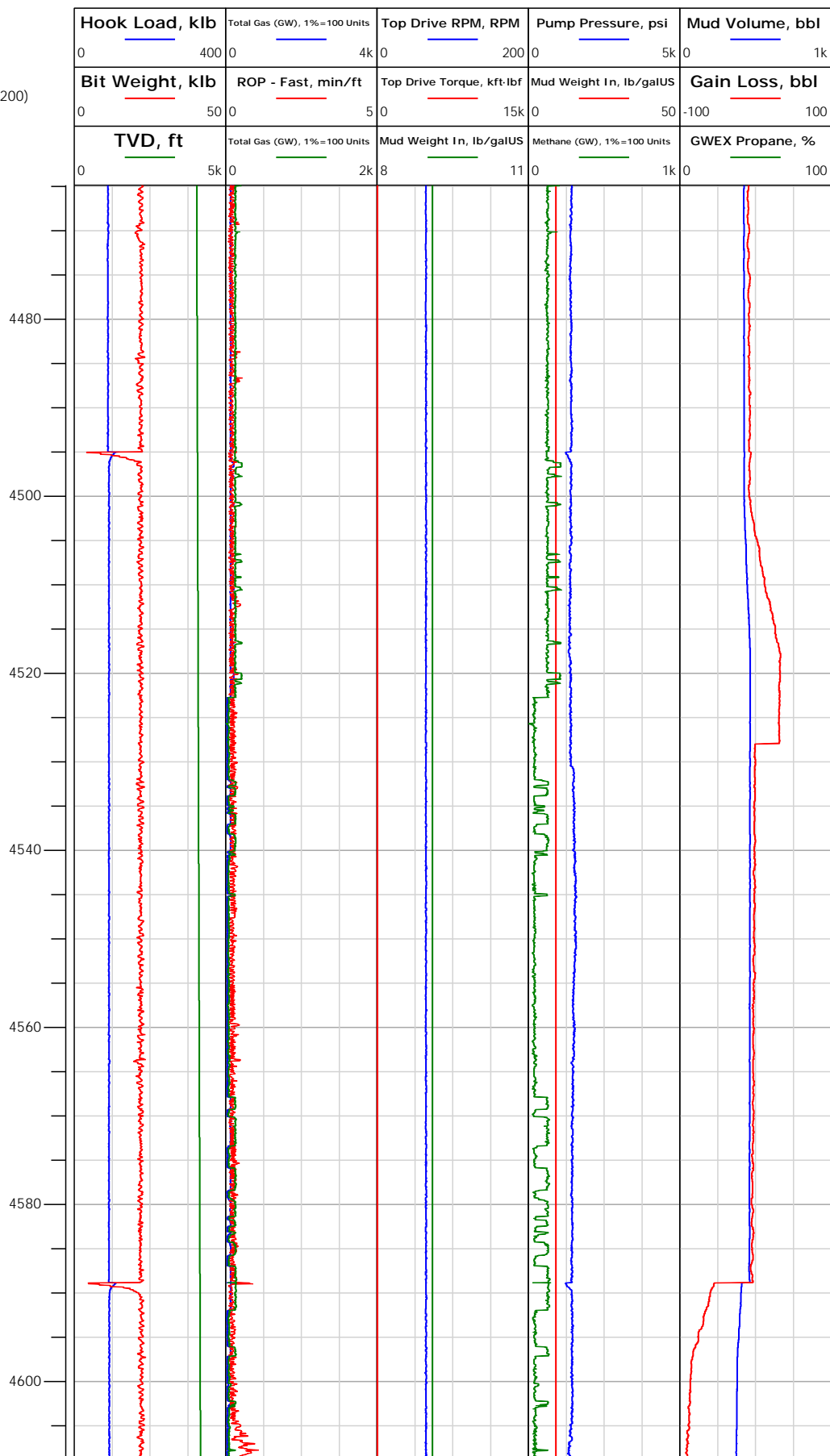
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14:15

14:20

14:24

14:35





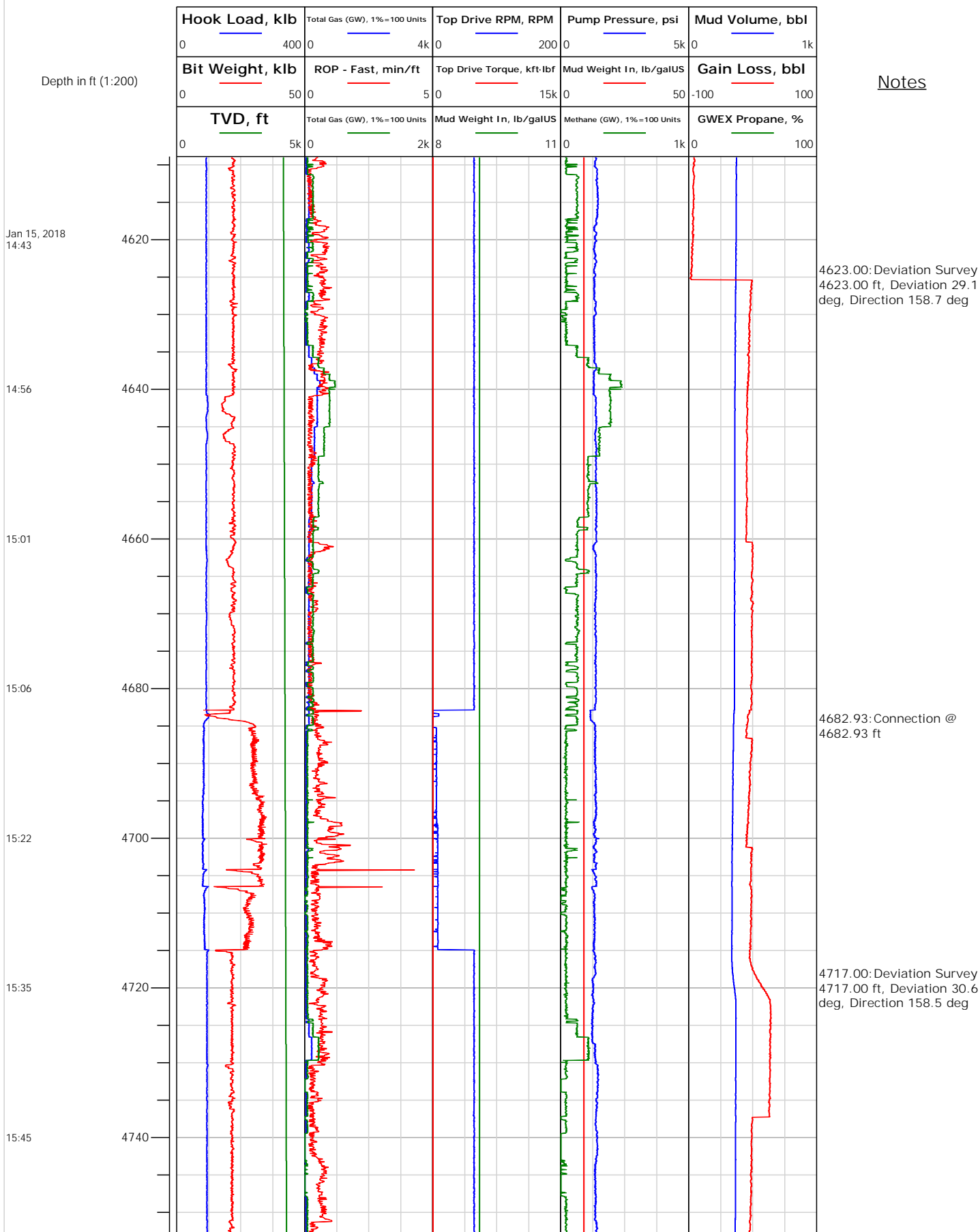
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





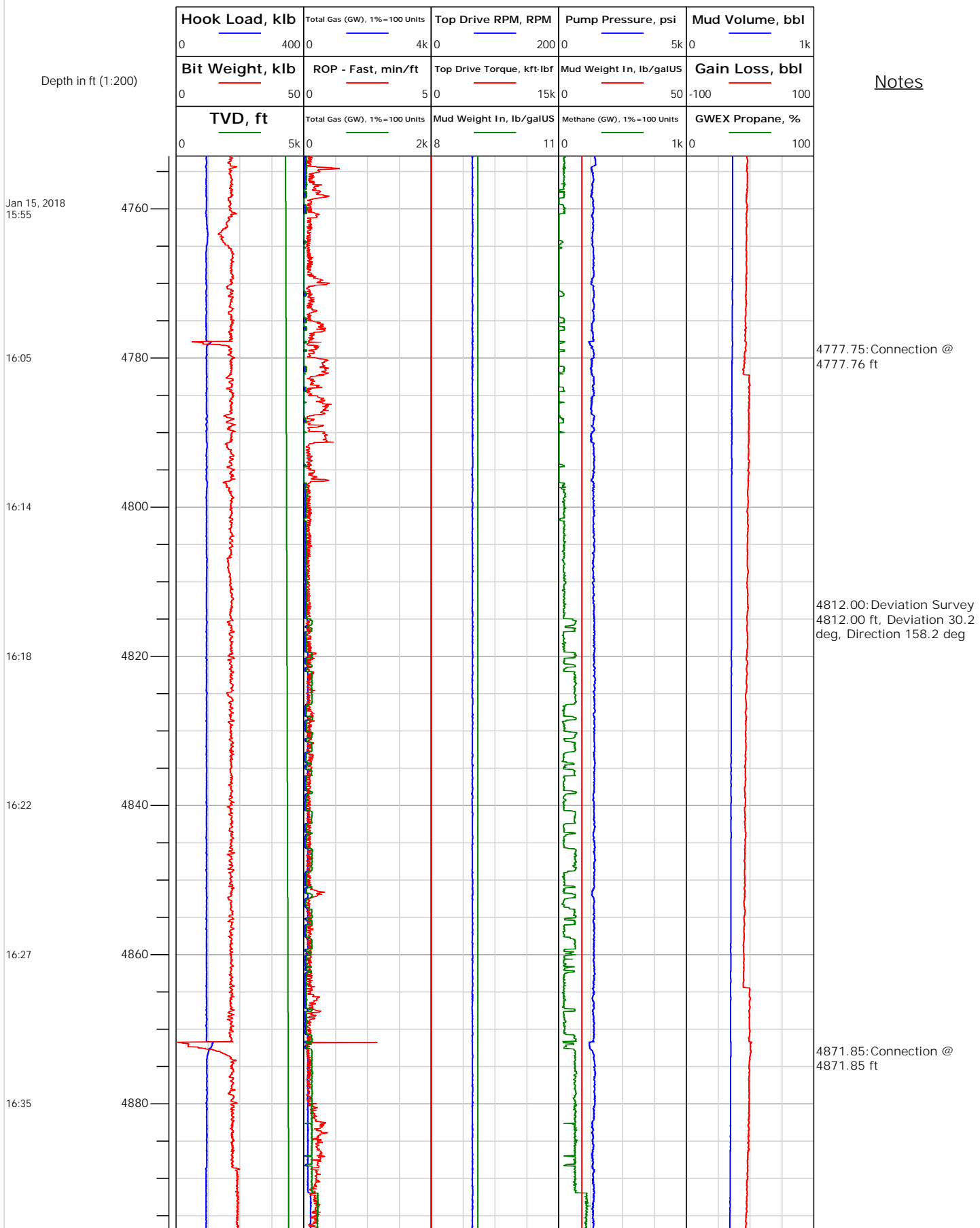
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





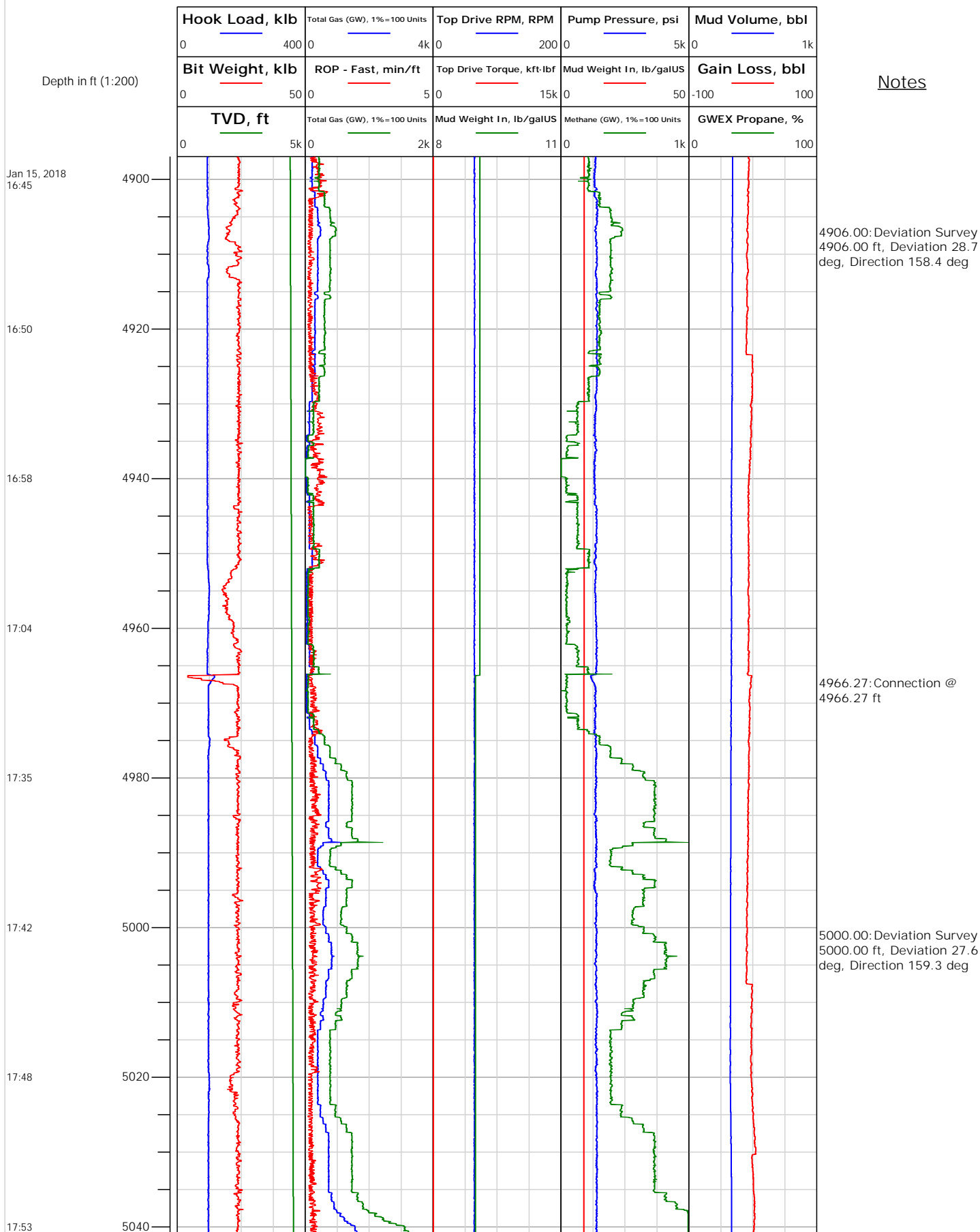
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes

Jan 15, 2018
17:58

18:08

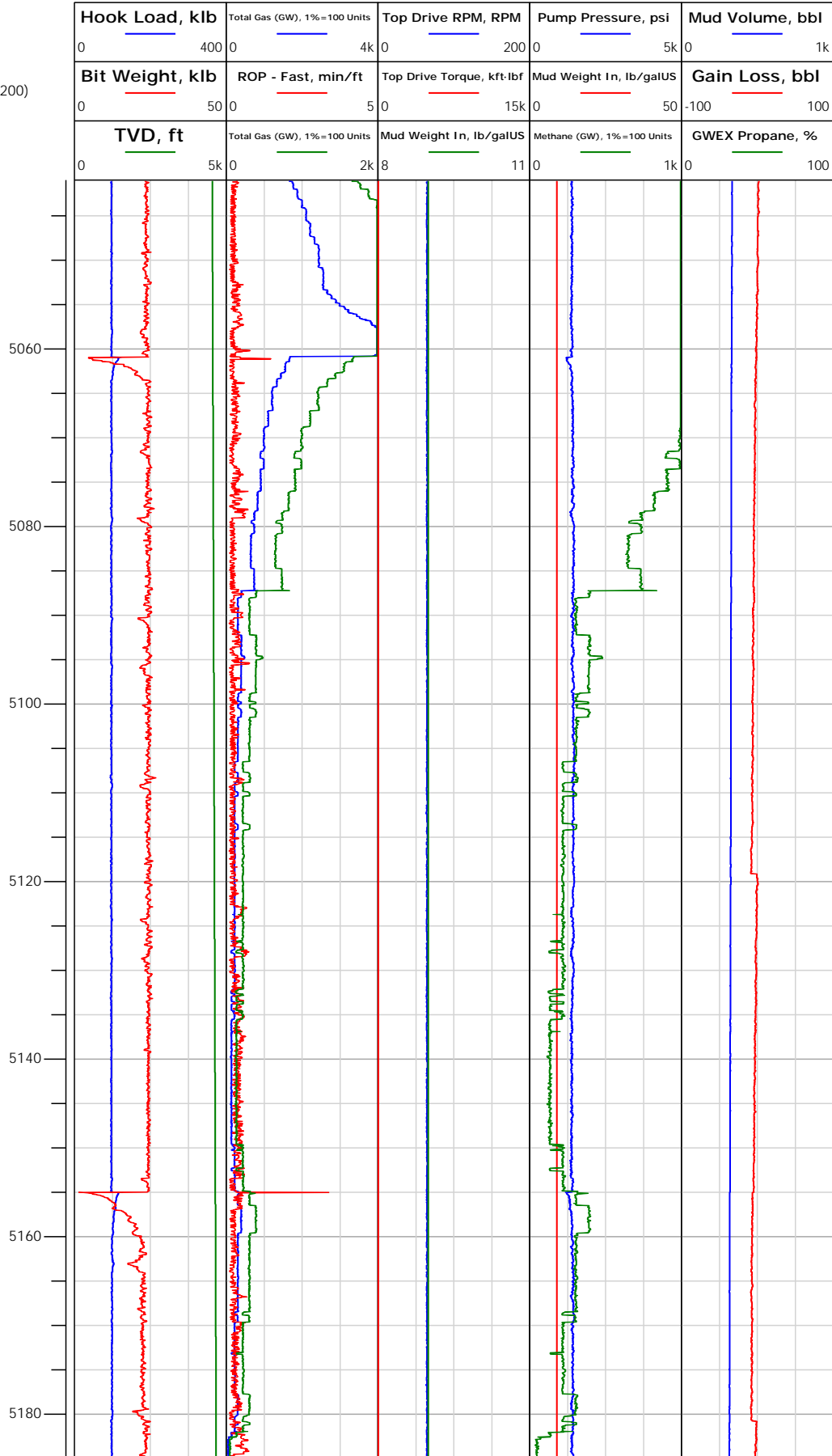
18:13

18:18

18:25

18:37

18:42



5060.90: Connection @
5060.90 ft

5094.00: Deviation Survey
5094.00 ft, Deviation 26.5
deg, Direction 157.9 deg

5155.09: Connection @
5155.09 ft



Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Jan 15, 2018
18:49

18:55

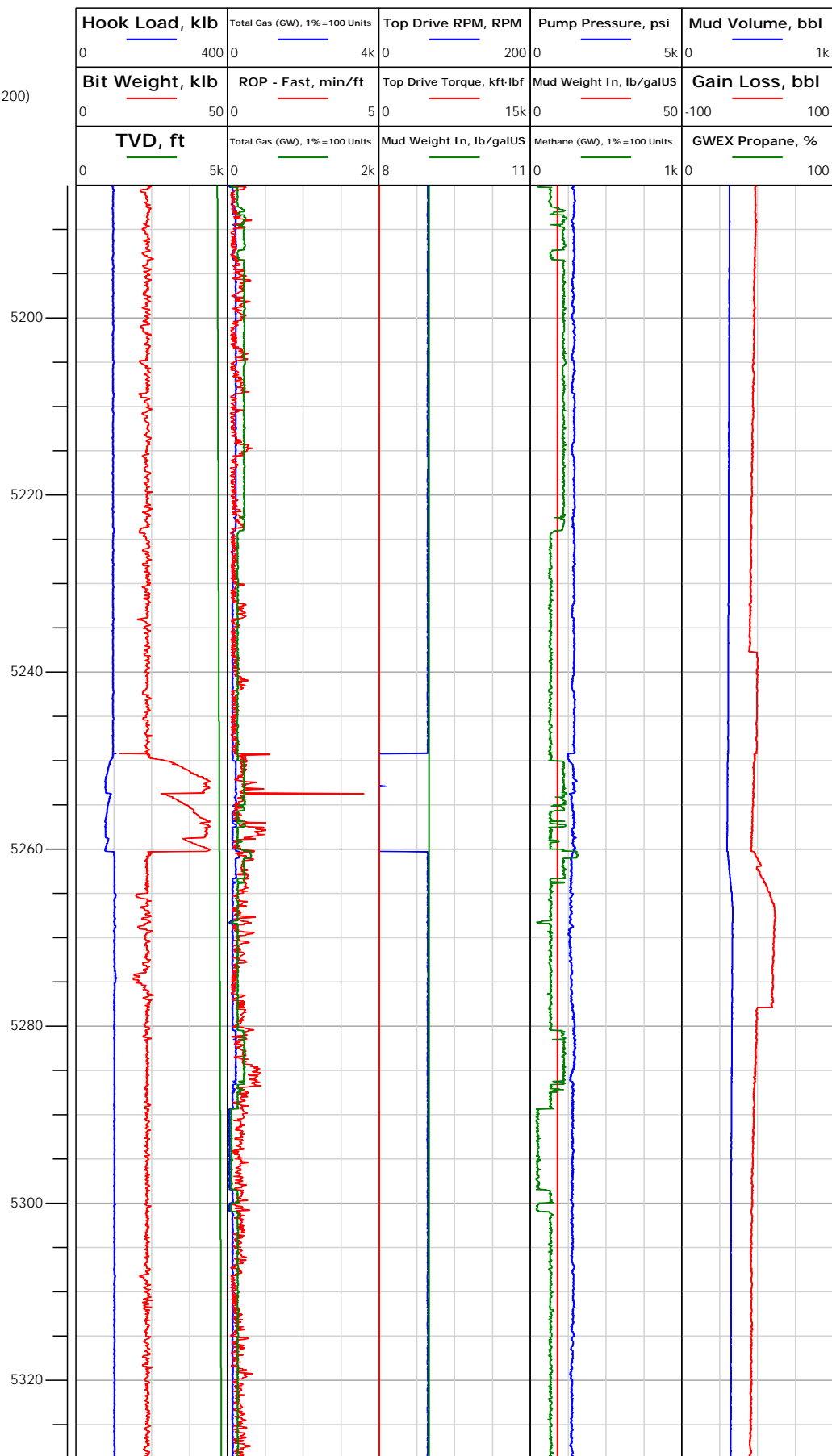
19:00

19:14

19:24

19:34

19:41



5188.00: Deviation Survey
5188.00 ft, Deviation 25.2
deg, Direction 158.3 deg

5249.23: Connection @
5249.23 ft

5282.00: Deviation Survey
5282.00 ft, Deviation 22.9
deg, Direction 158.9 deg



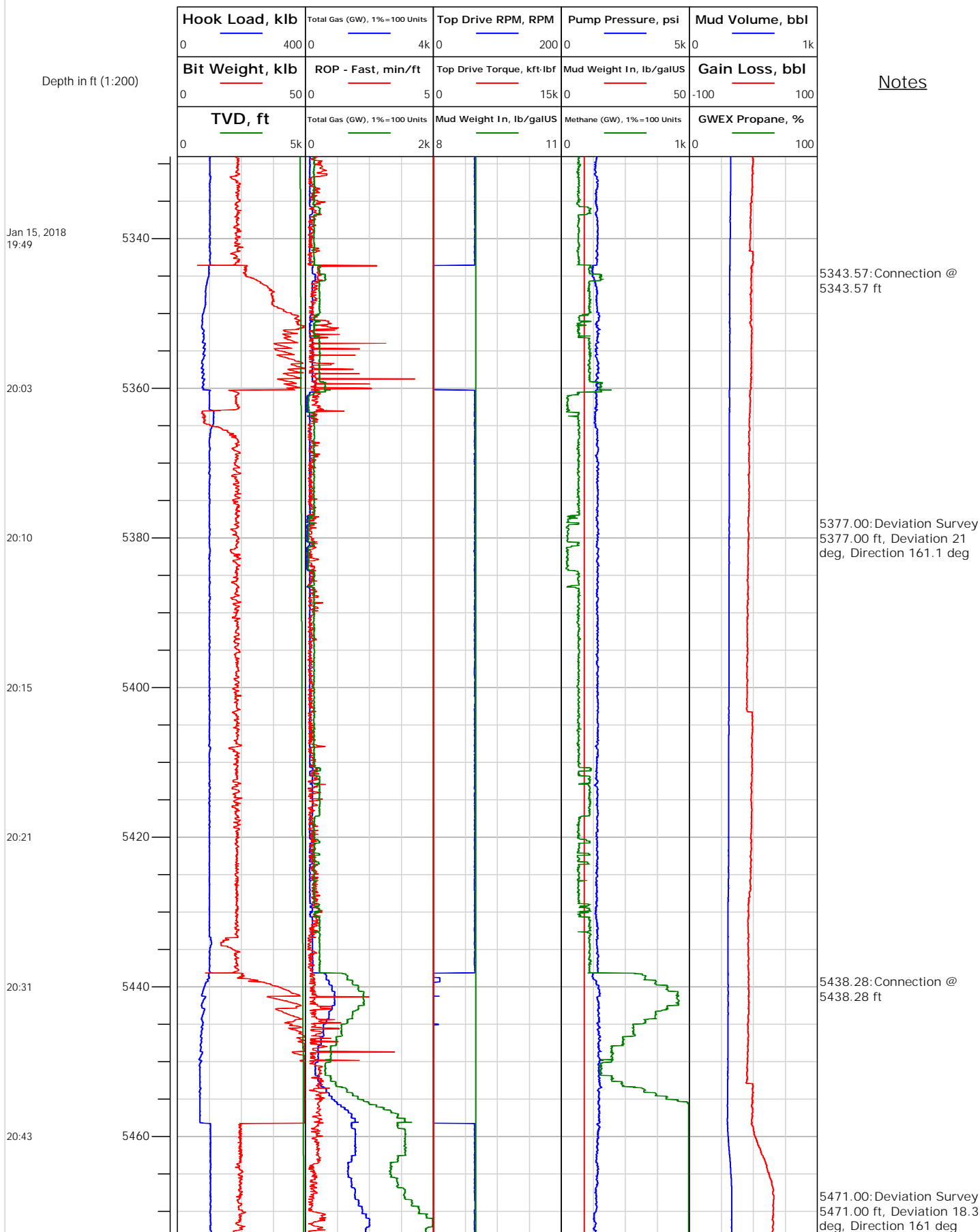
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





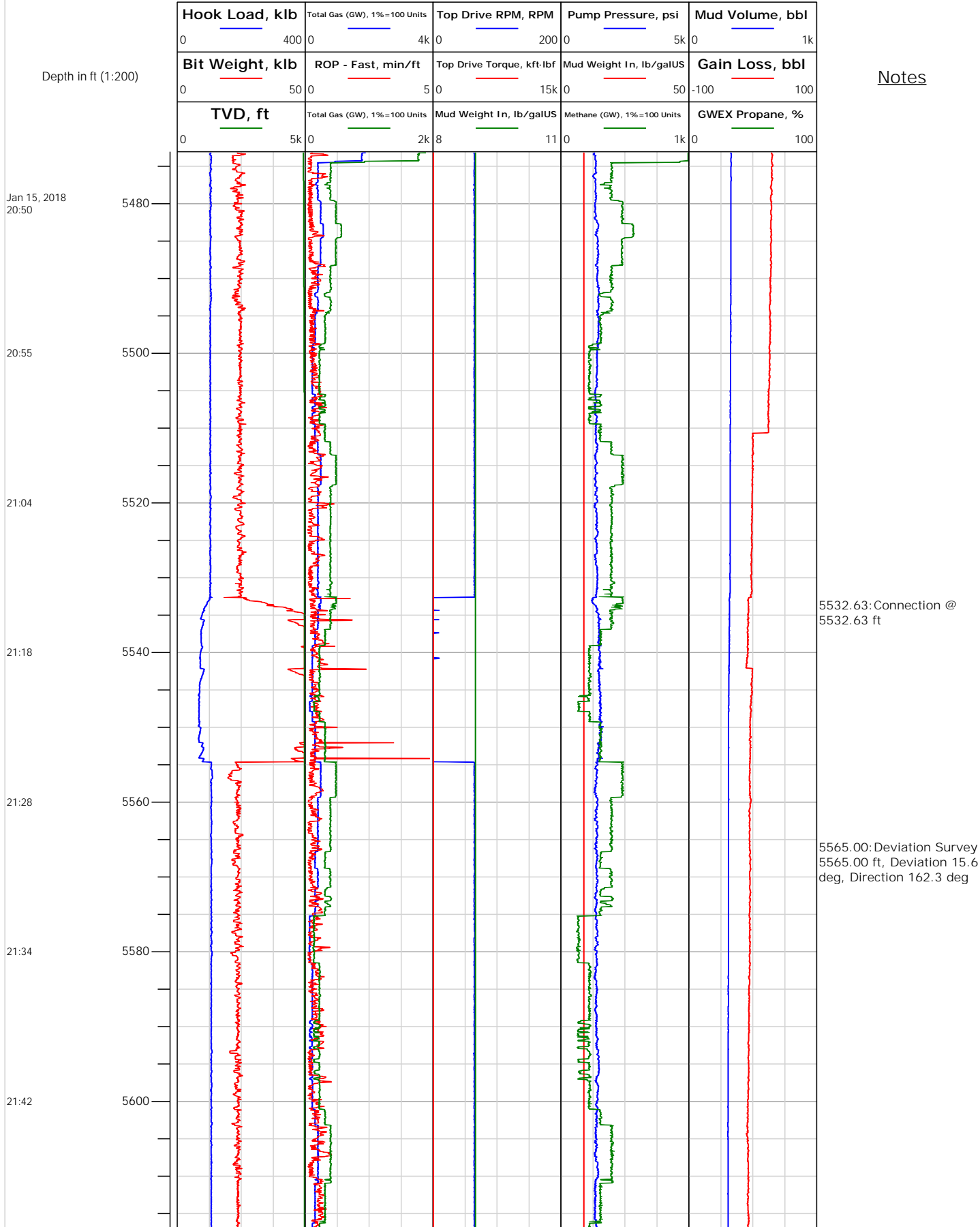
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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes



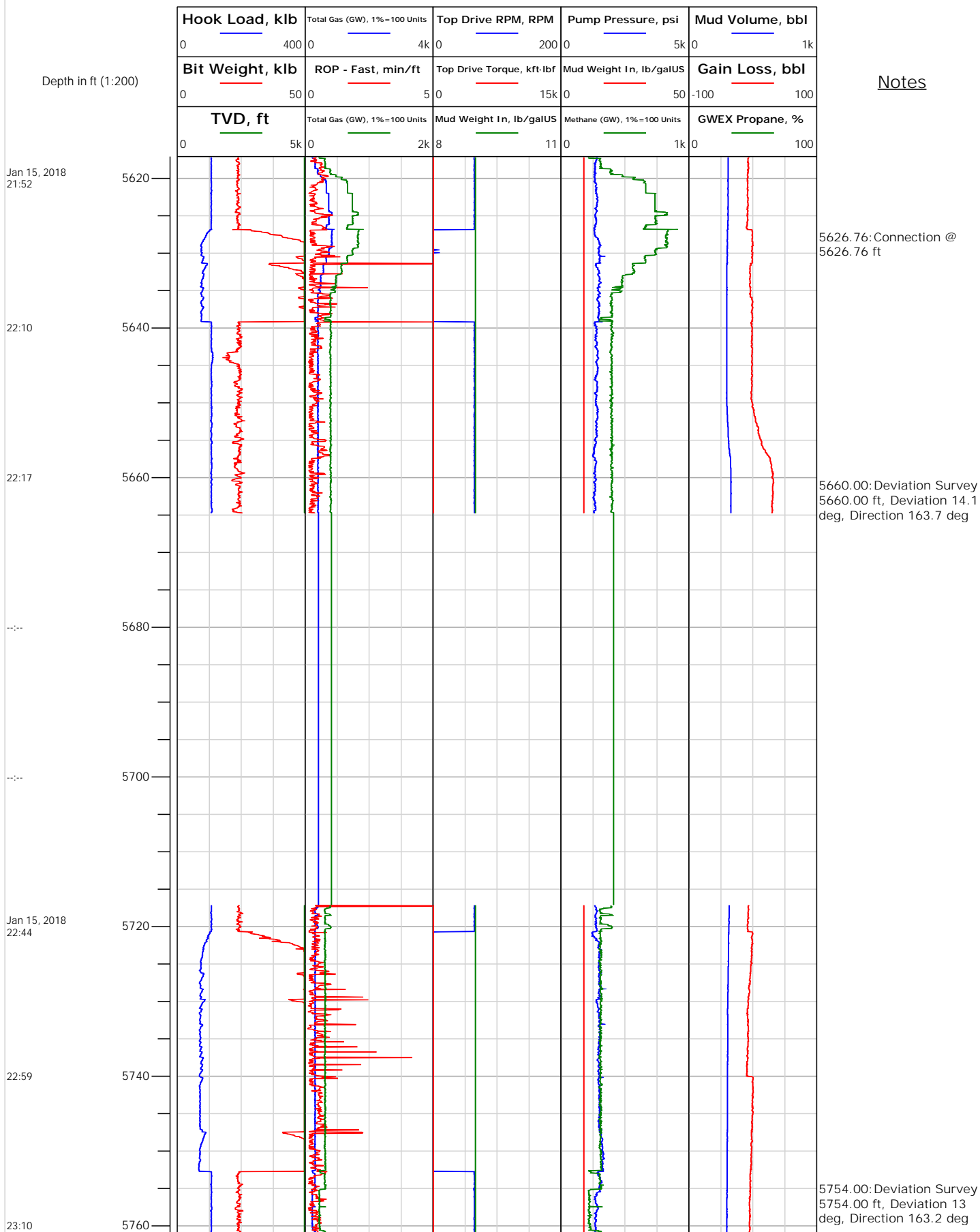


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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:





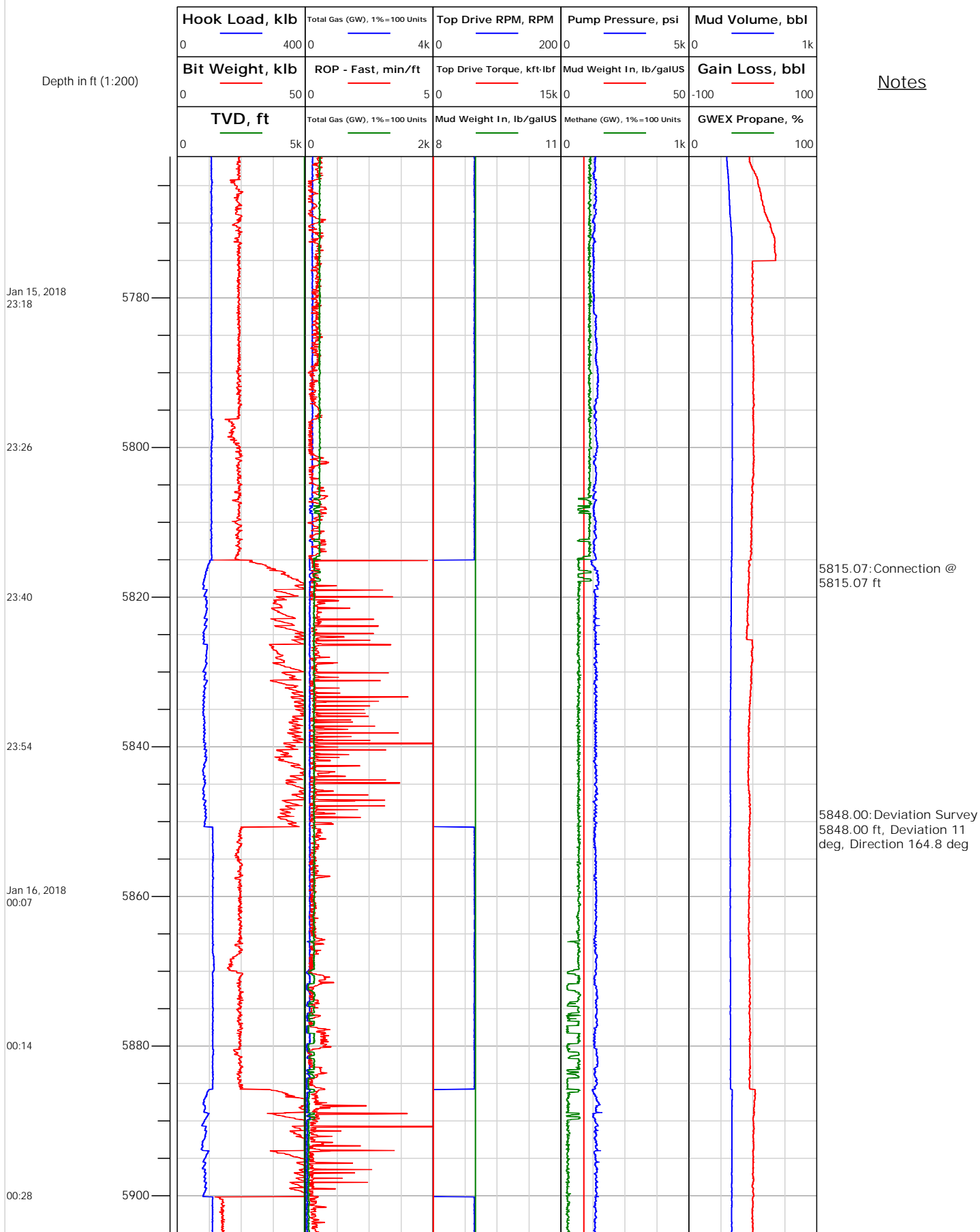
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Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





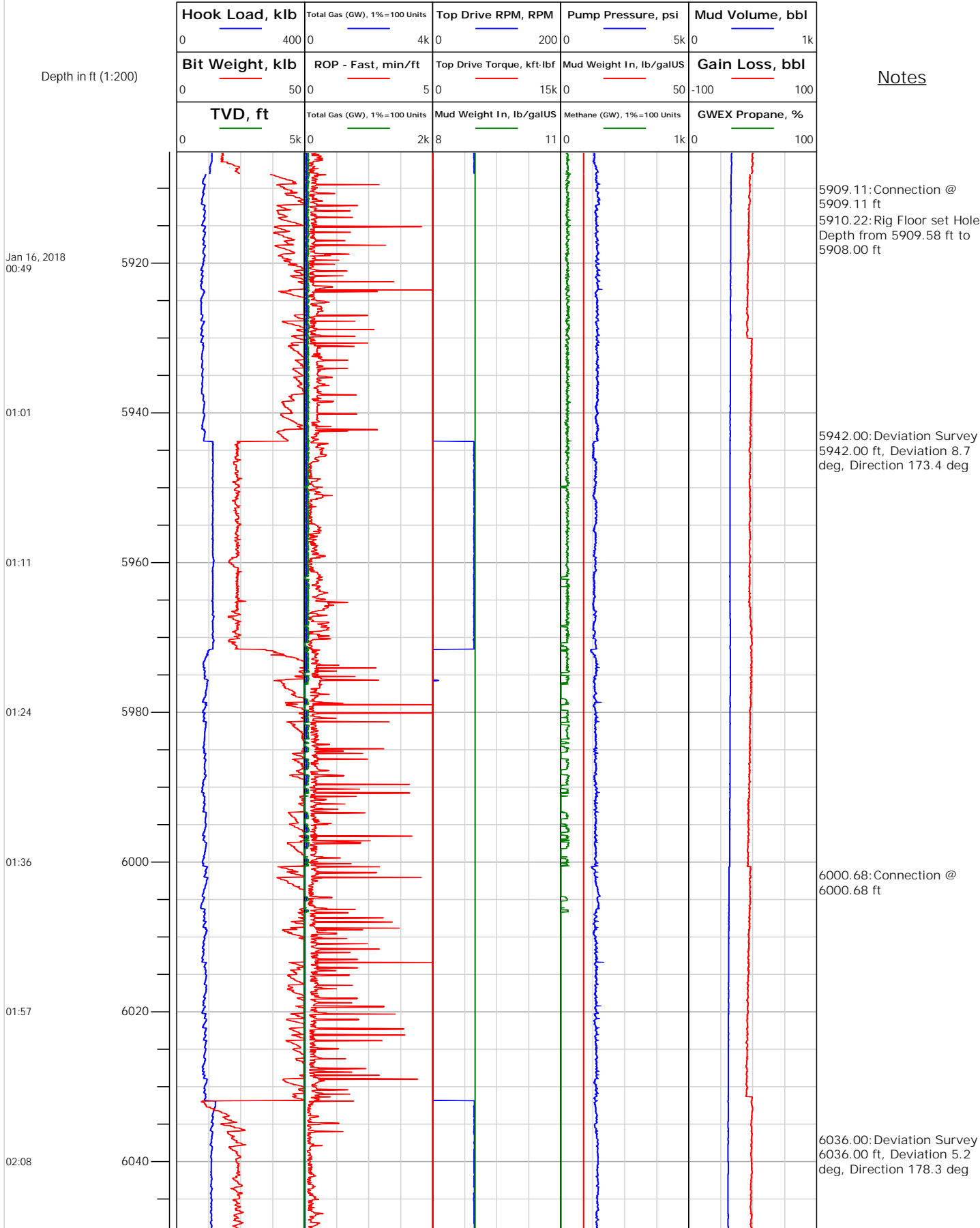
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





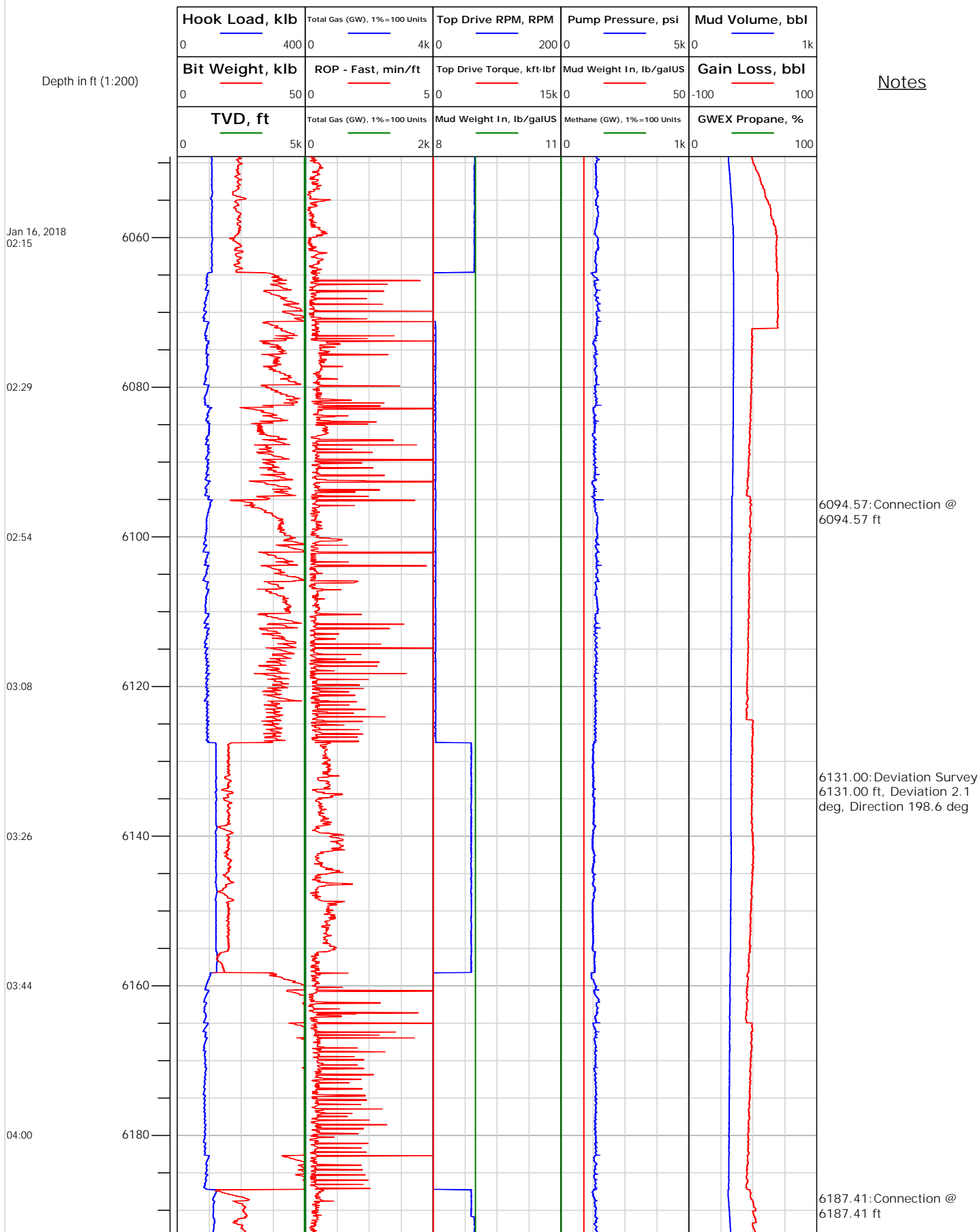
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





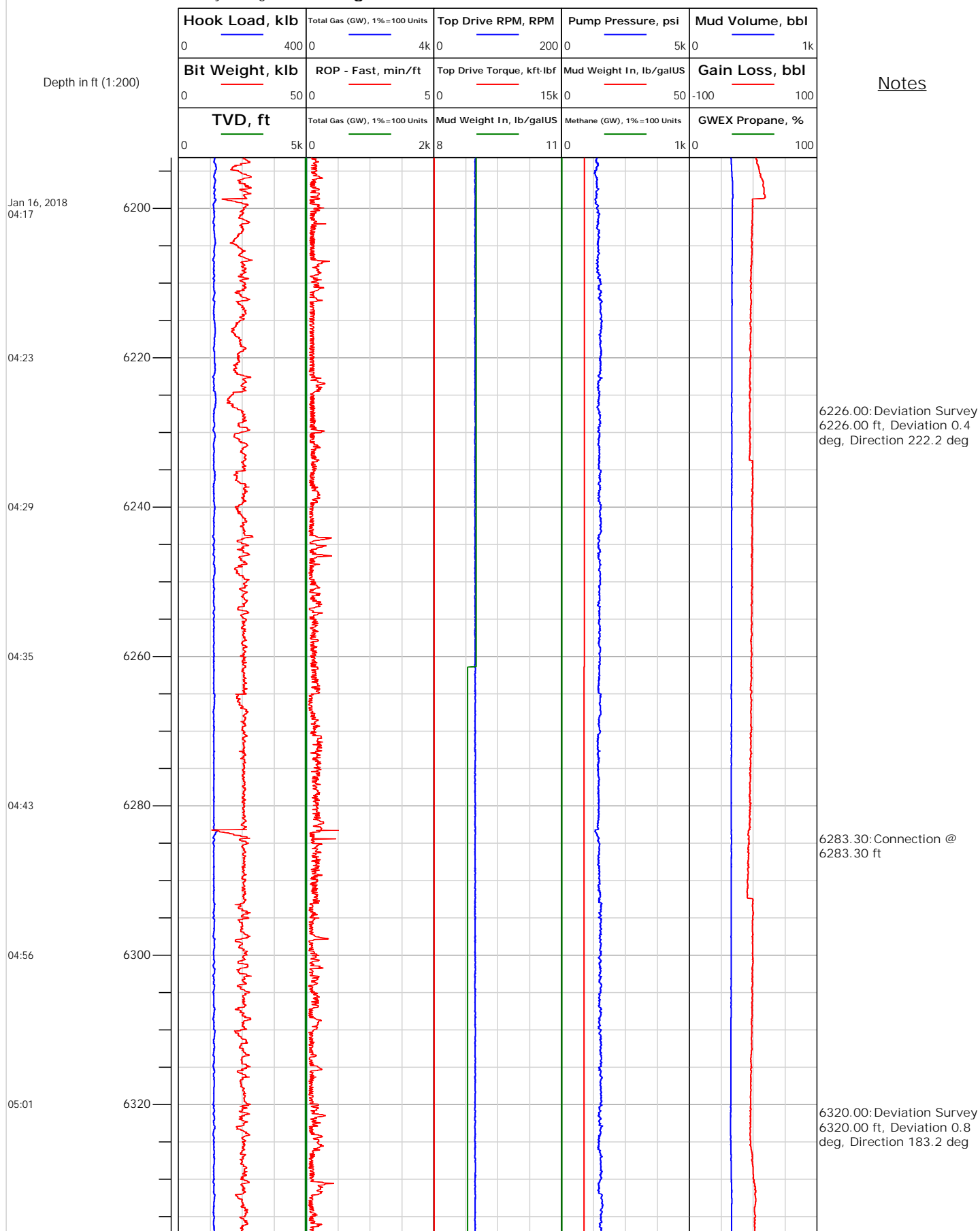
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





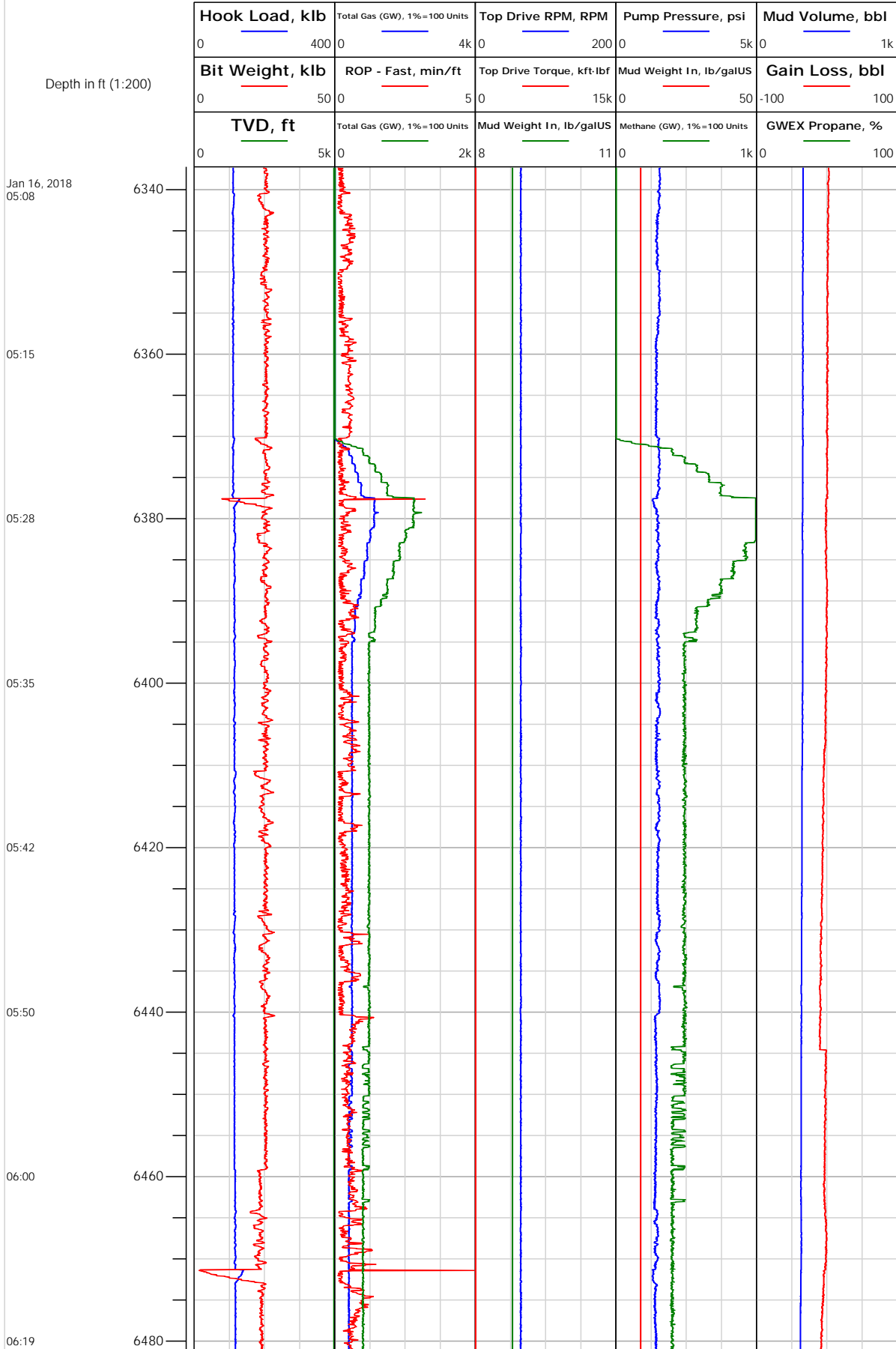
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes



6414.00: Deviation Survey
6414.00 ft, Deviation 1.5 deg, Direction 202.5 deg



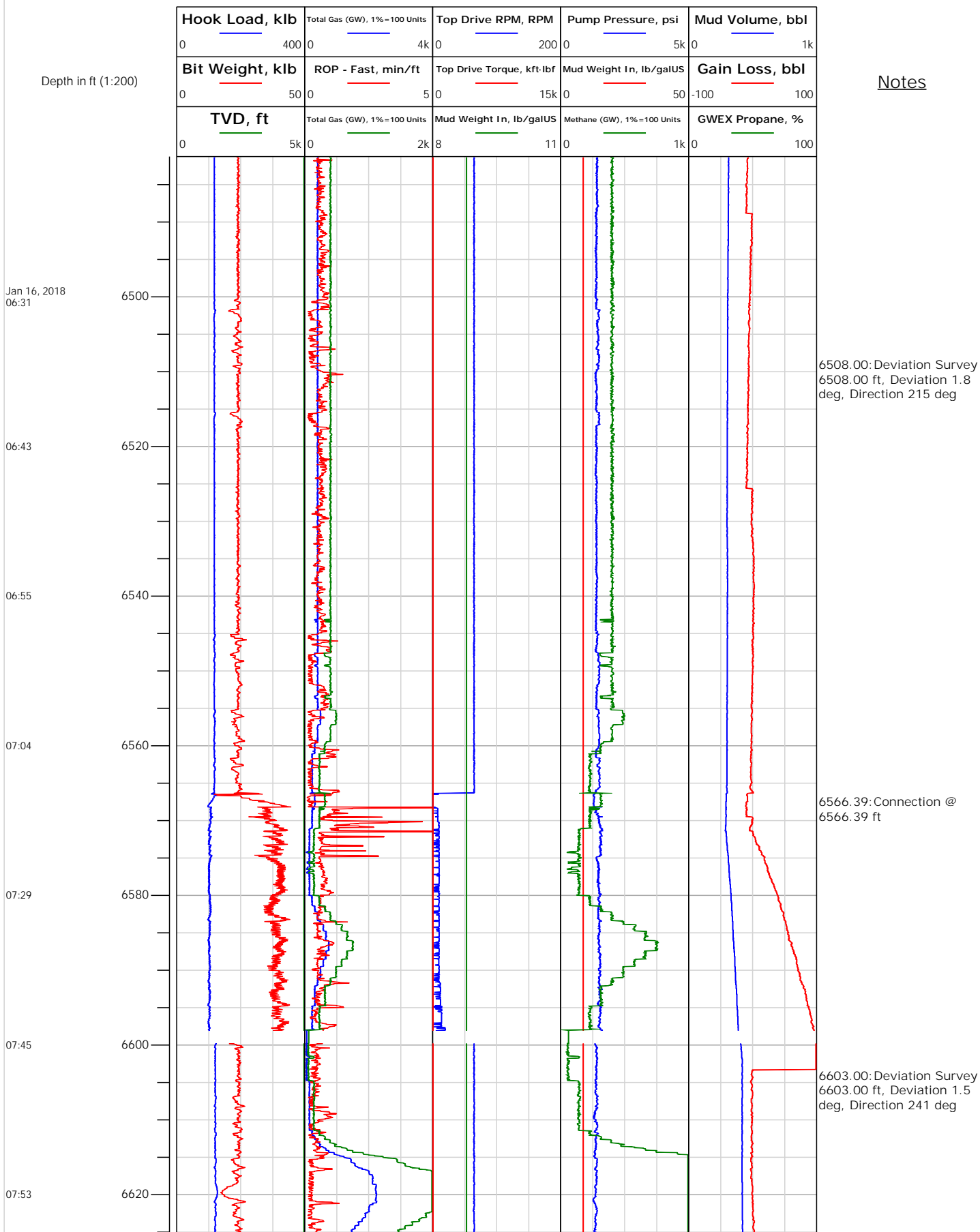
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





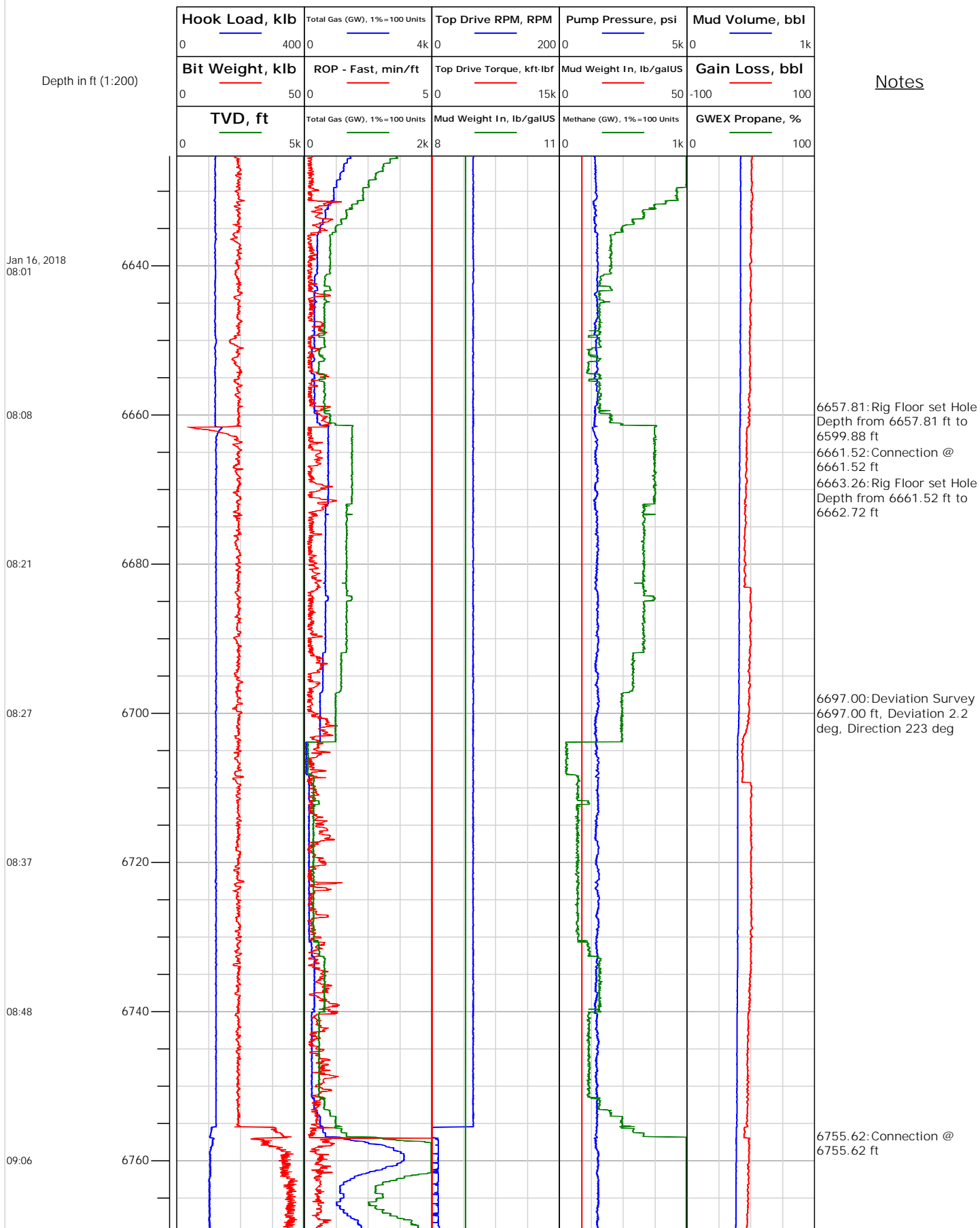
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





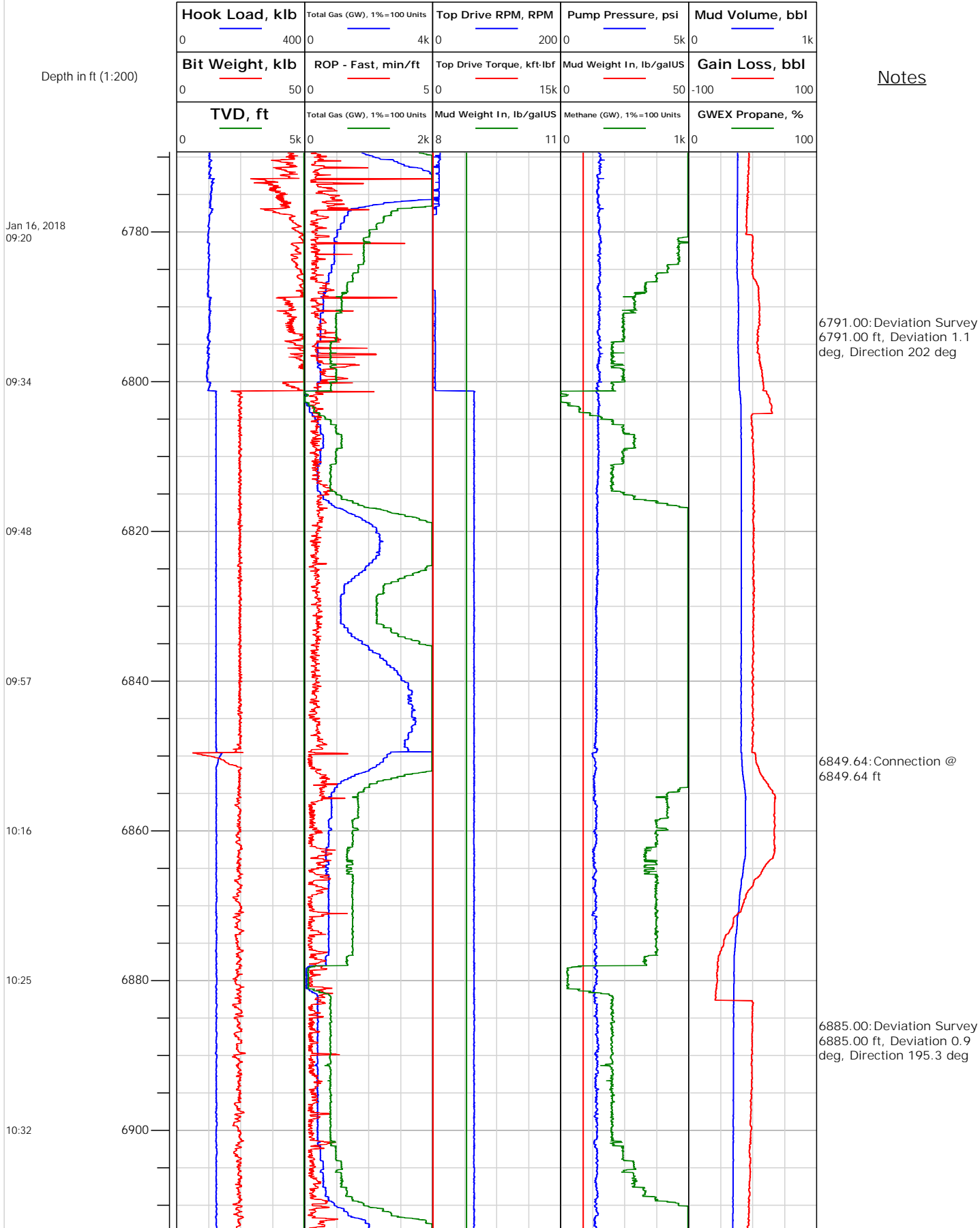
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





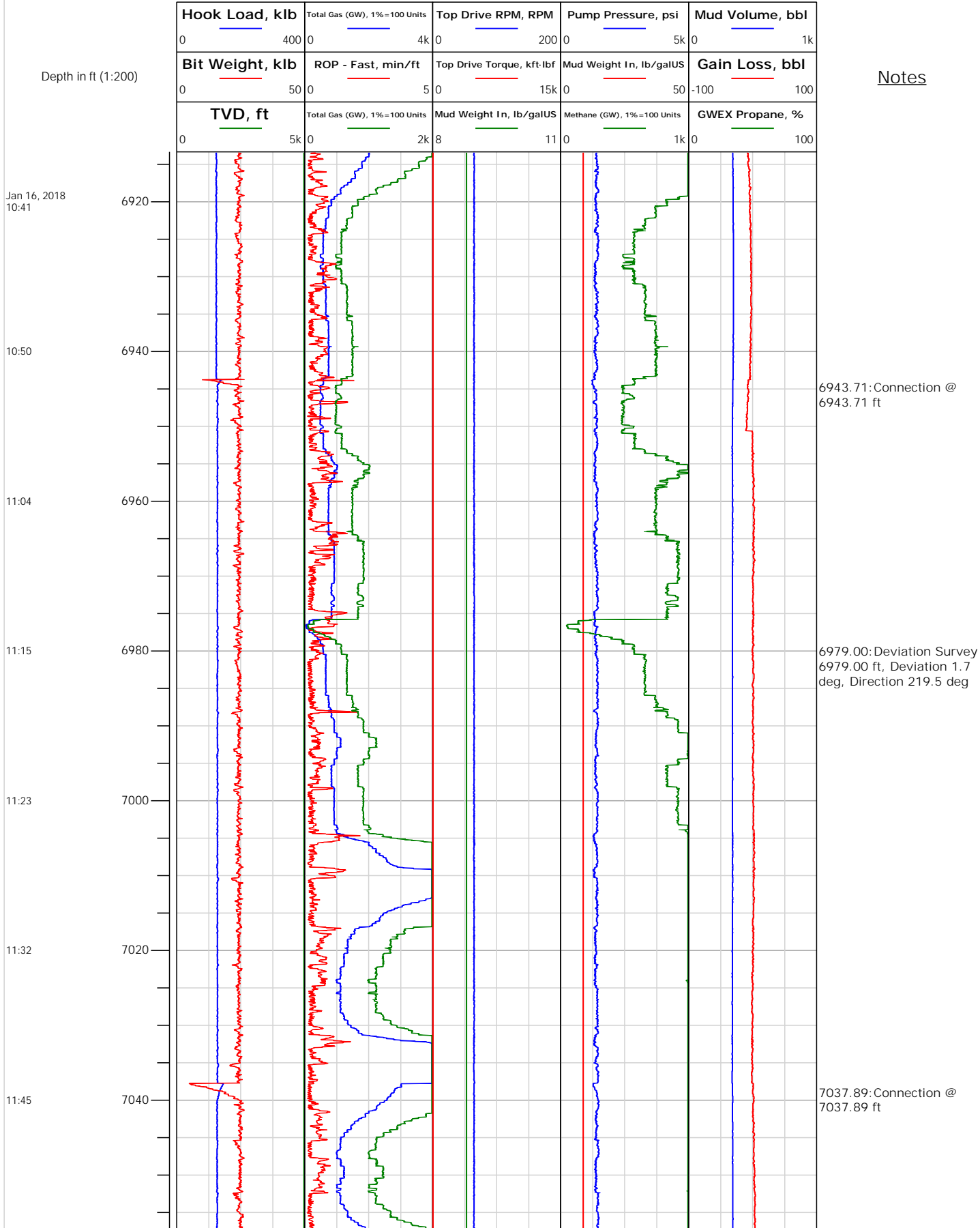
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





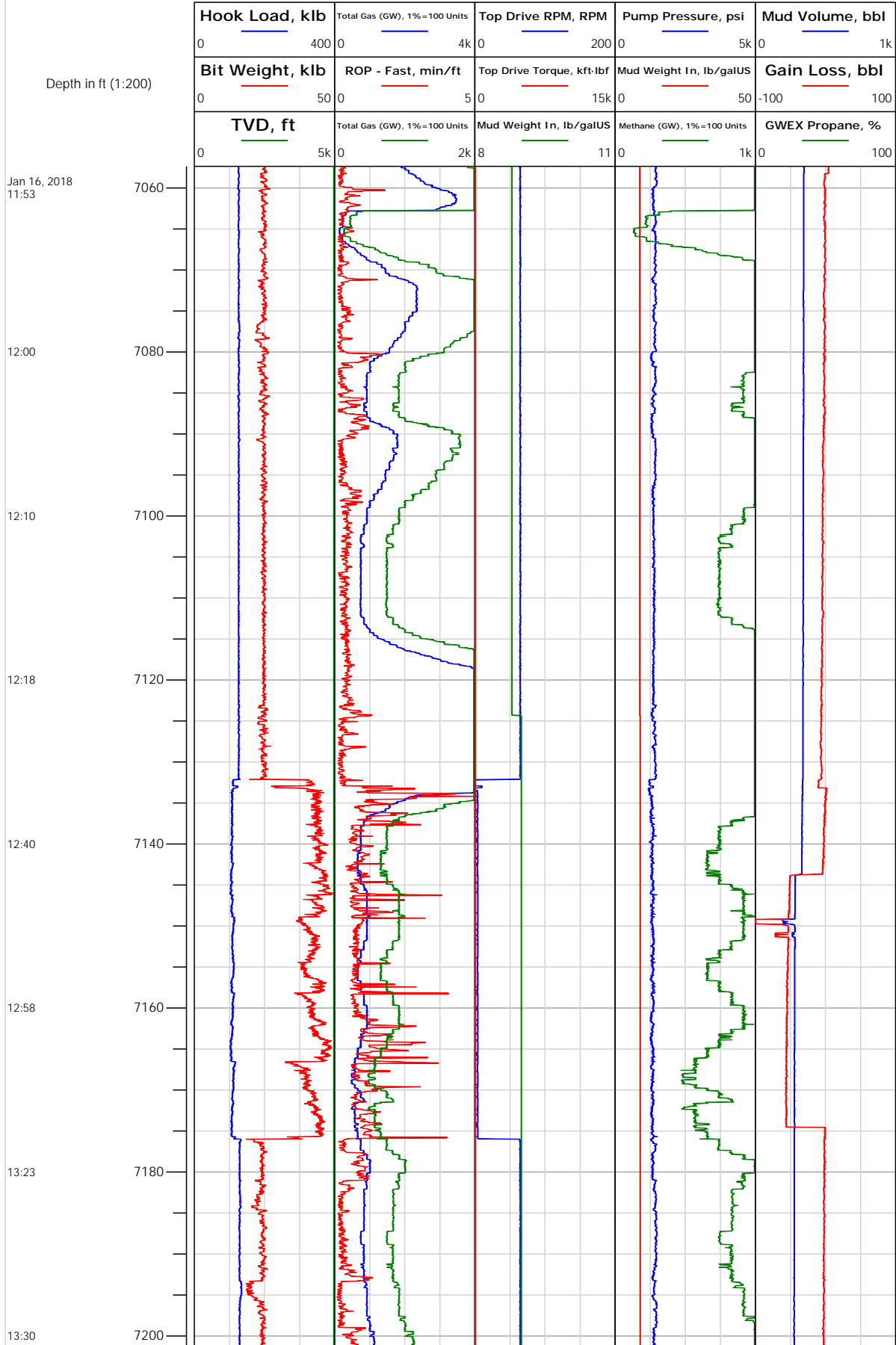
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





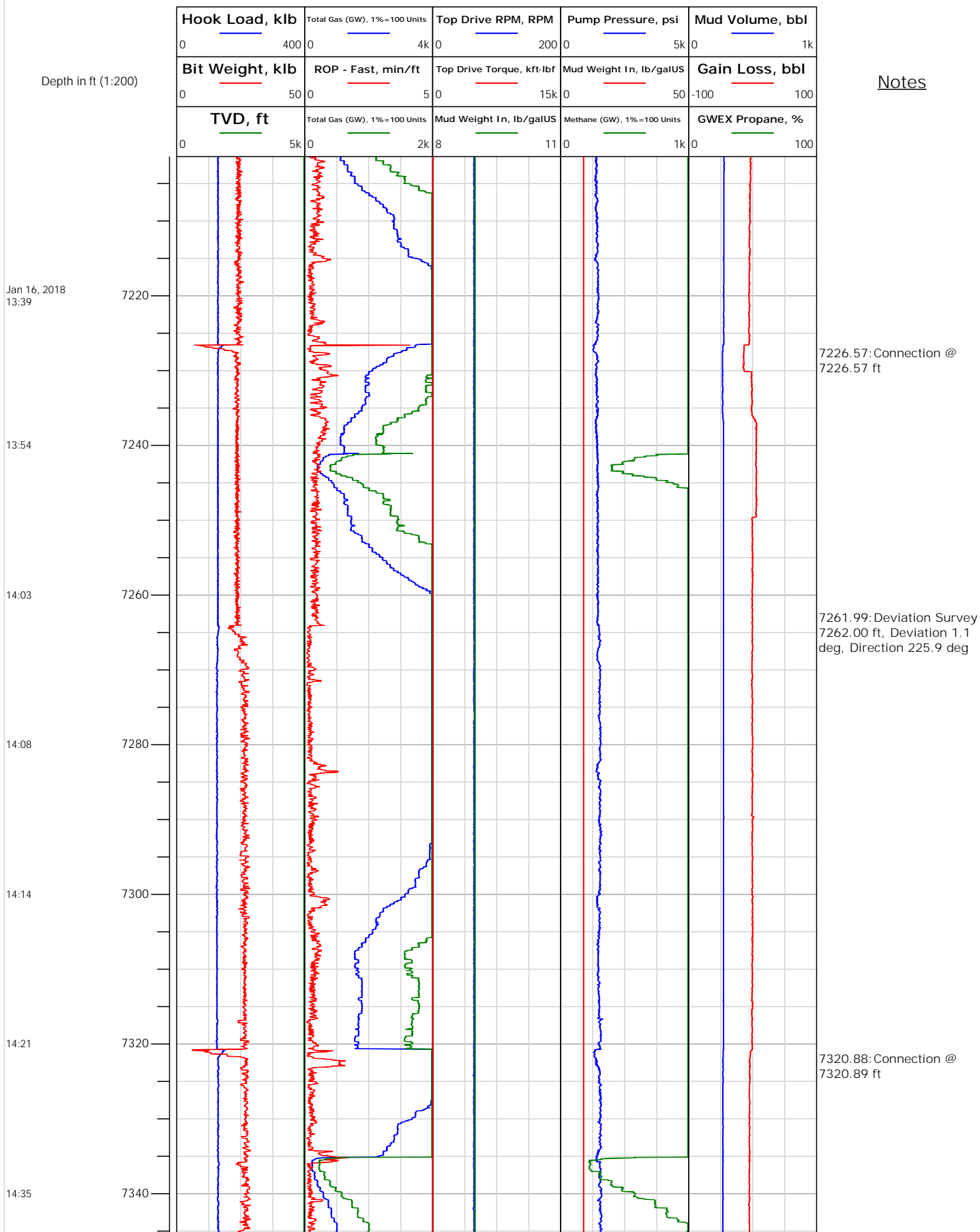
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





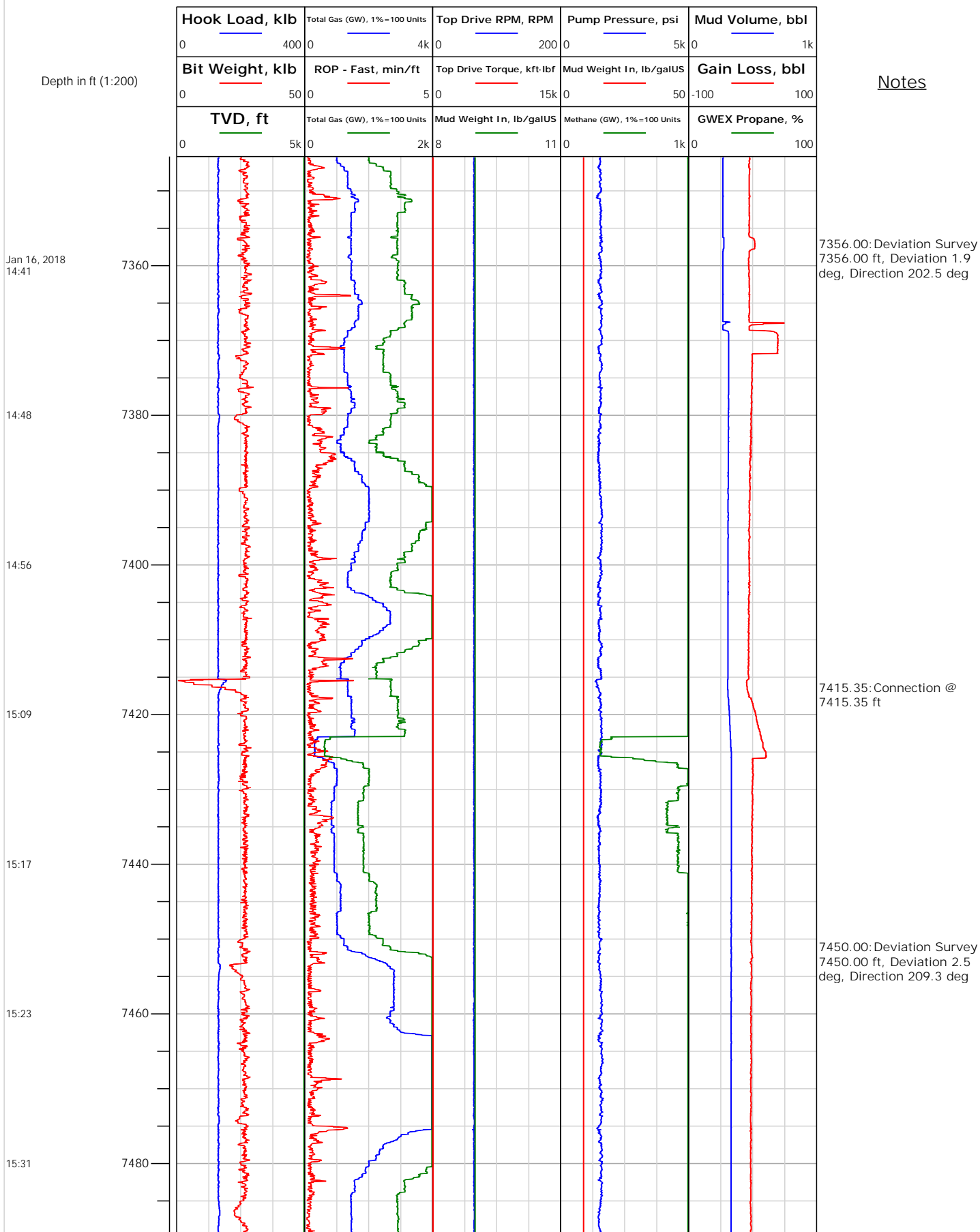
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





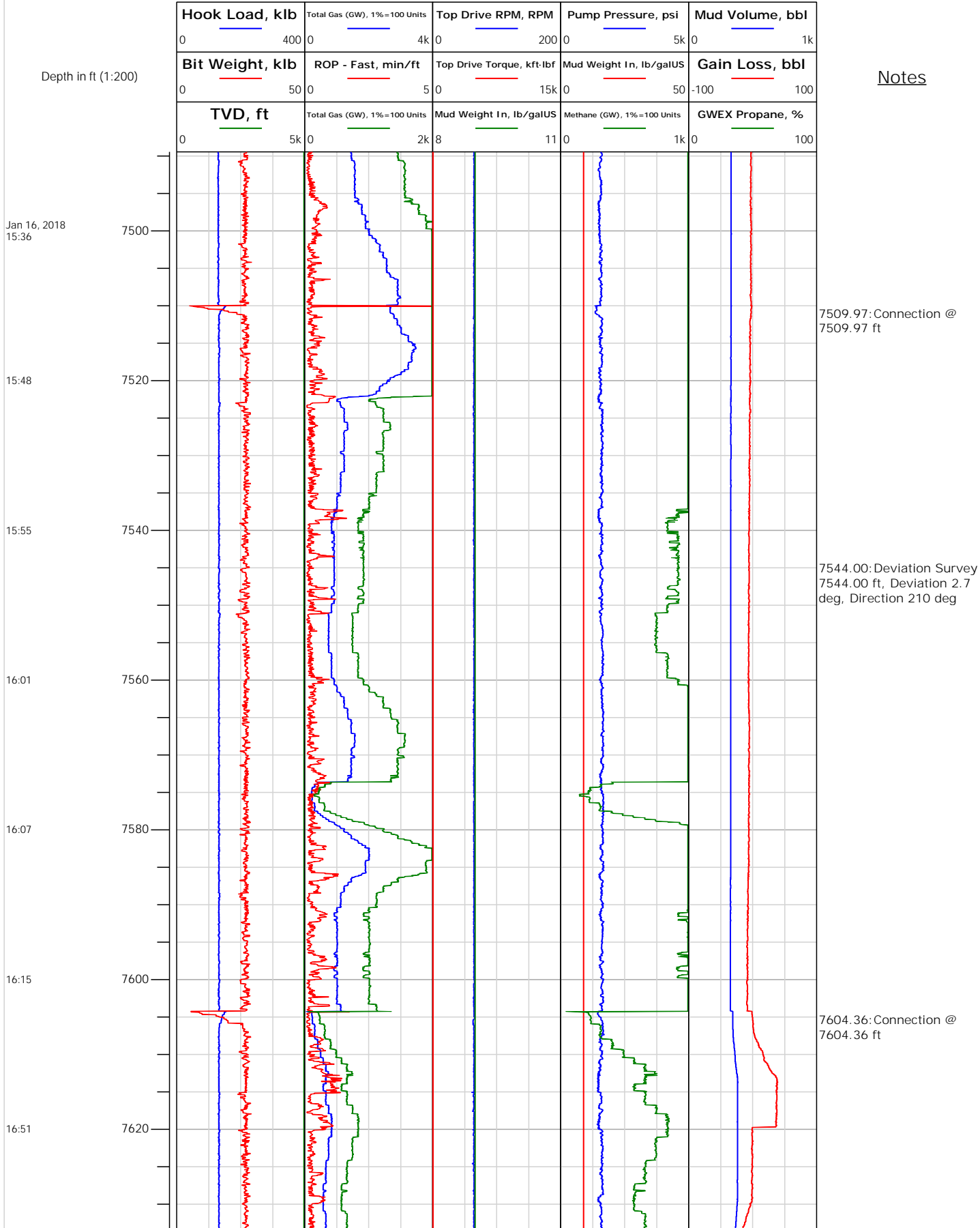
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





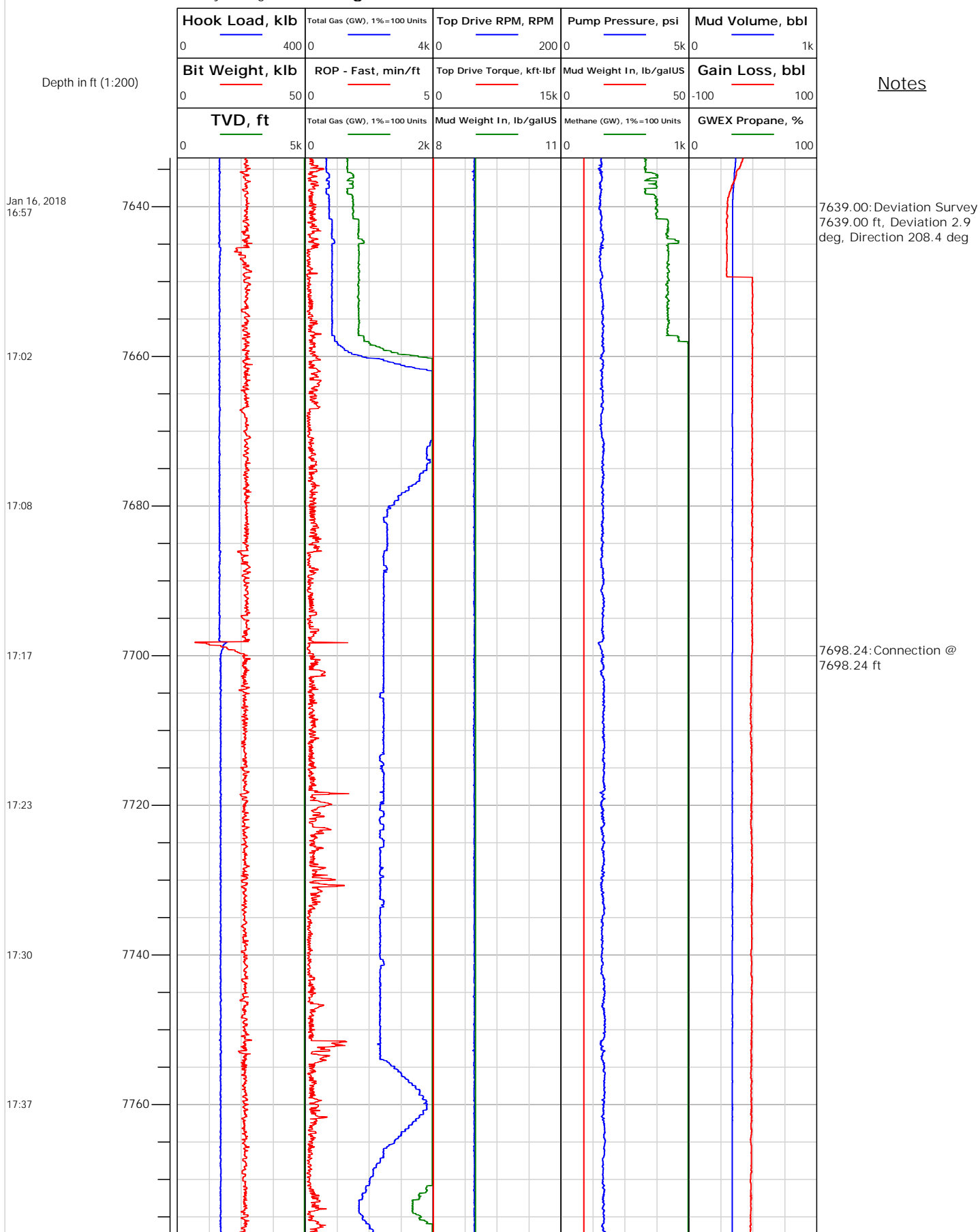
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes



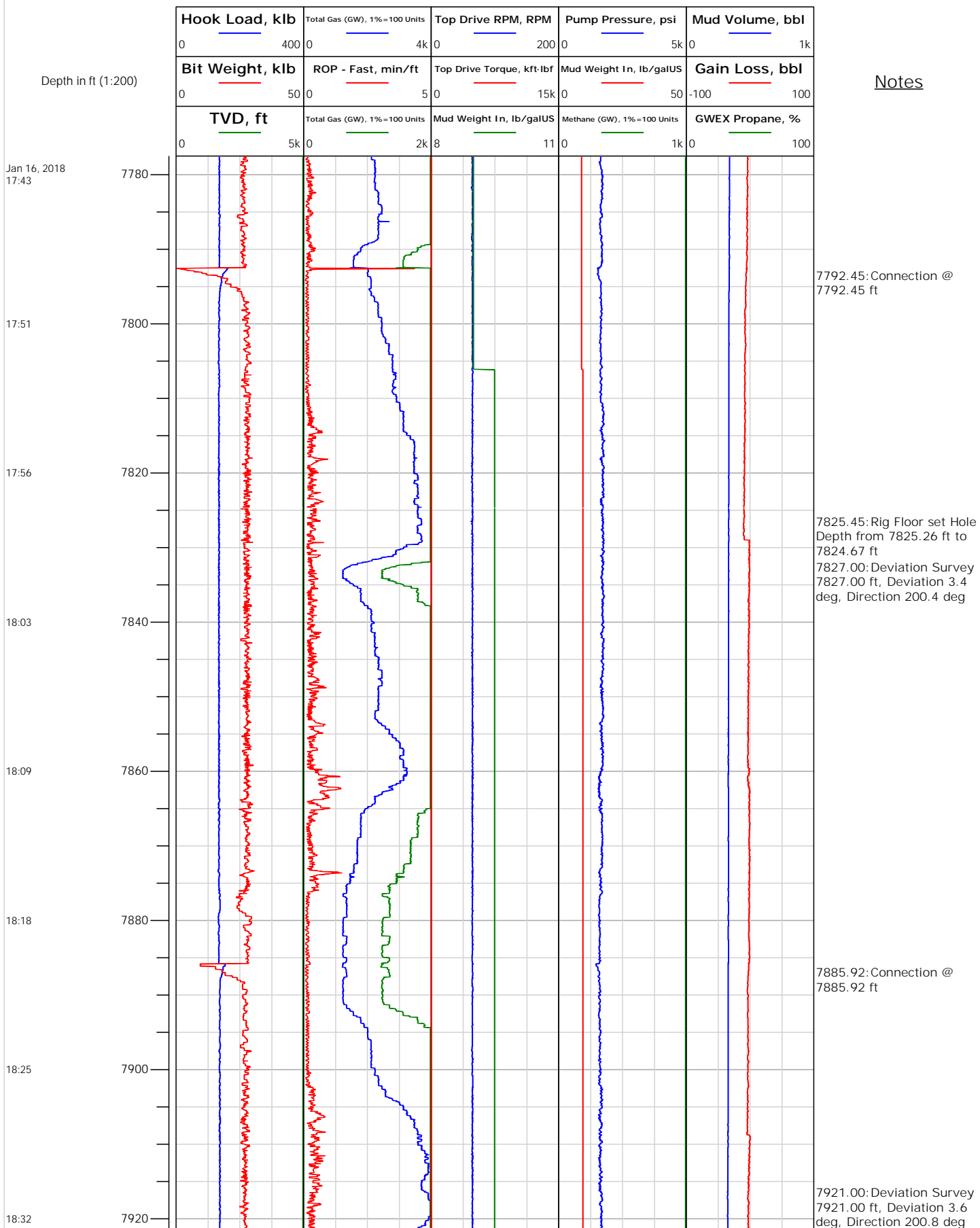


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:





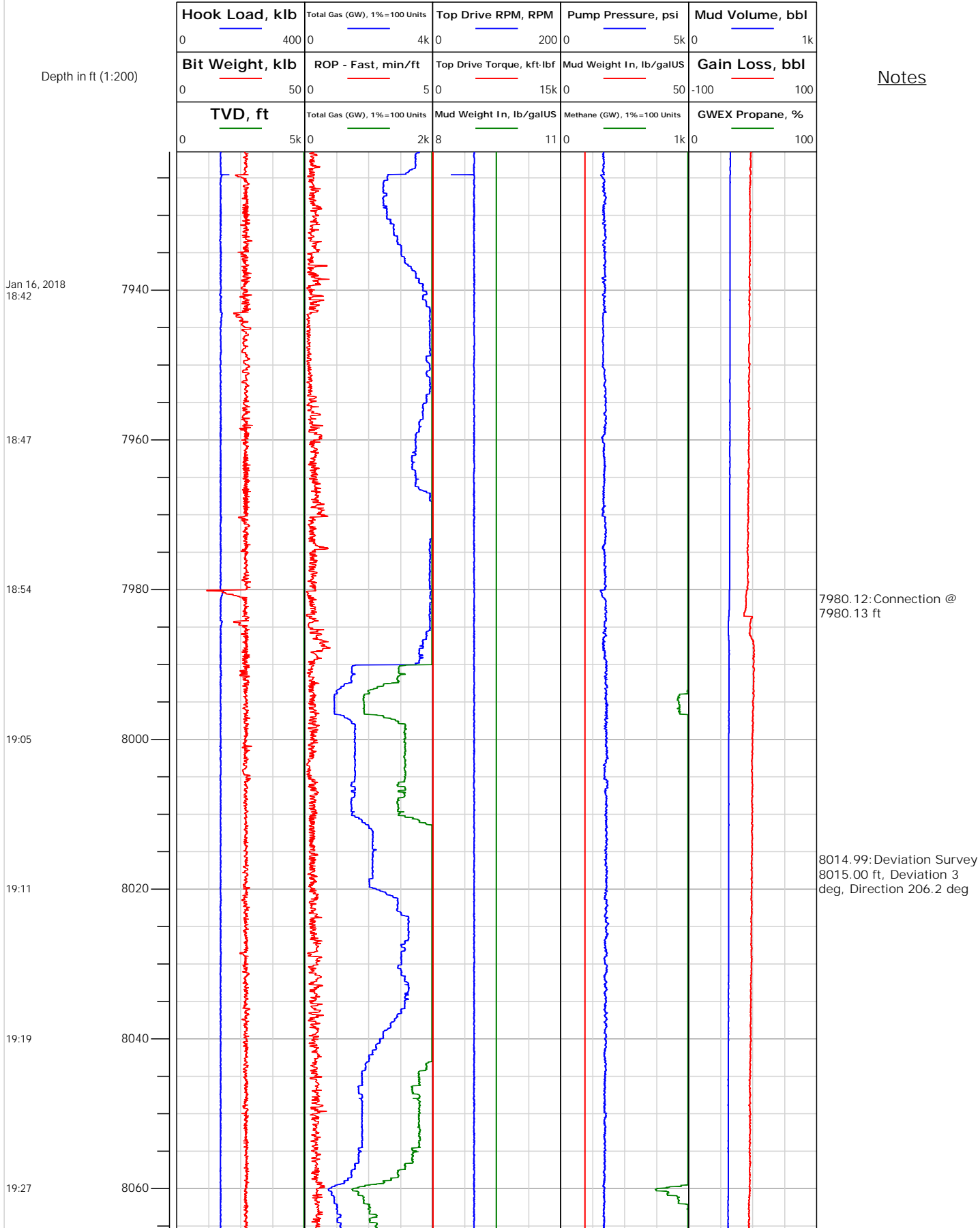
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes





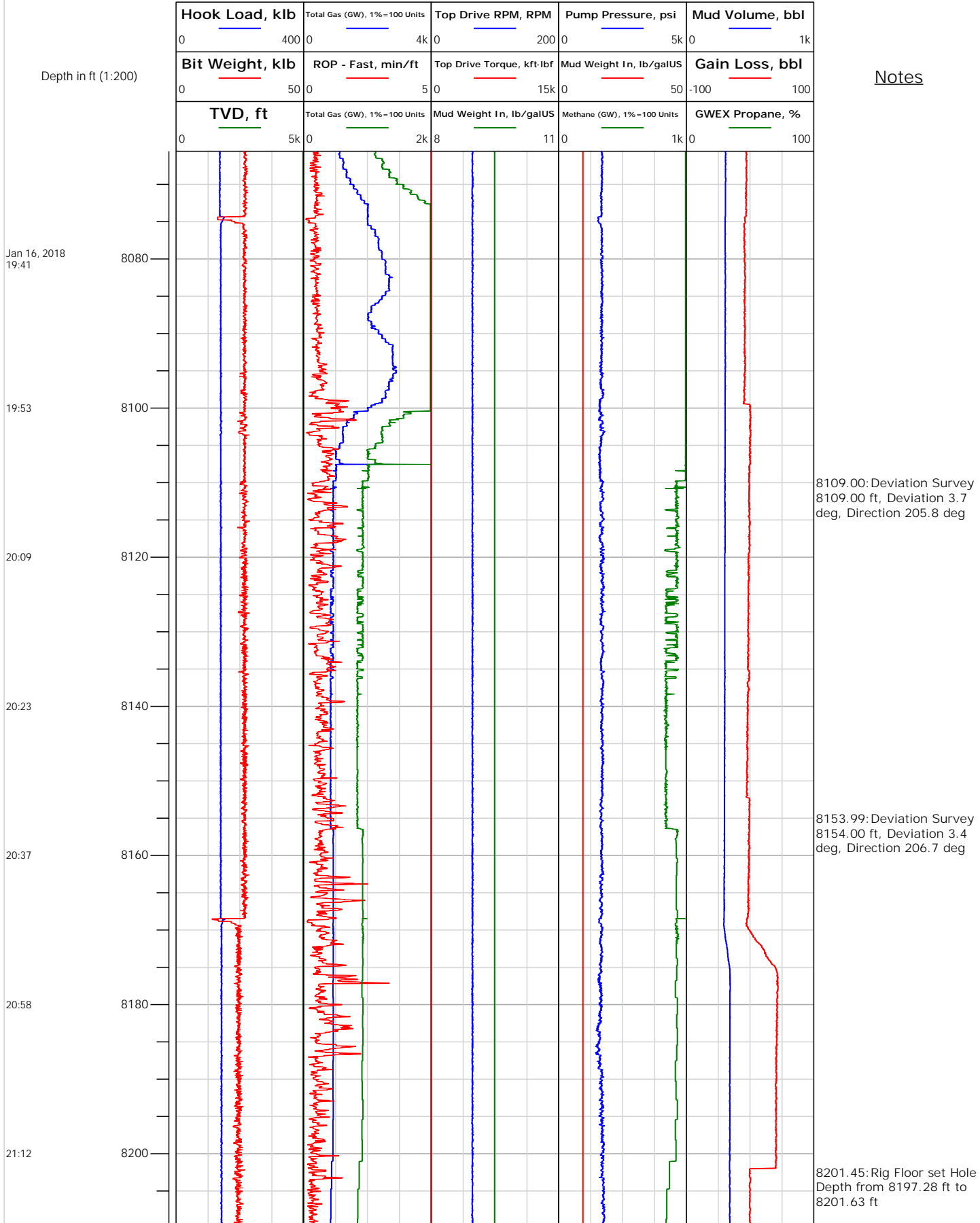
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Bruton 30-19E
Rig: 522

Location:

Notes



Operator: Laramie Energy
Contractor: Helmerich & Payne Drllg Co

Well Name: Bruton 30-19E
Rig: 522

Depth in ft (1:200)

Notes

Jan 17, 2018
02:54

02:54

8214.00: Deviation Survey
8214.00 ft, Deviation 3.4
deg, Direction 207 deg