



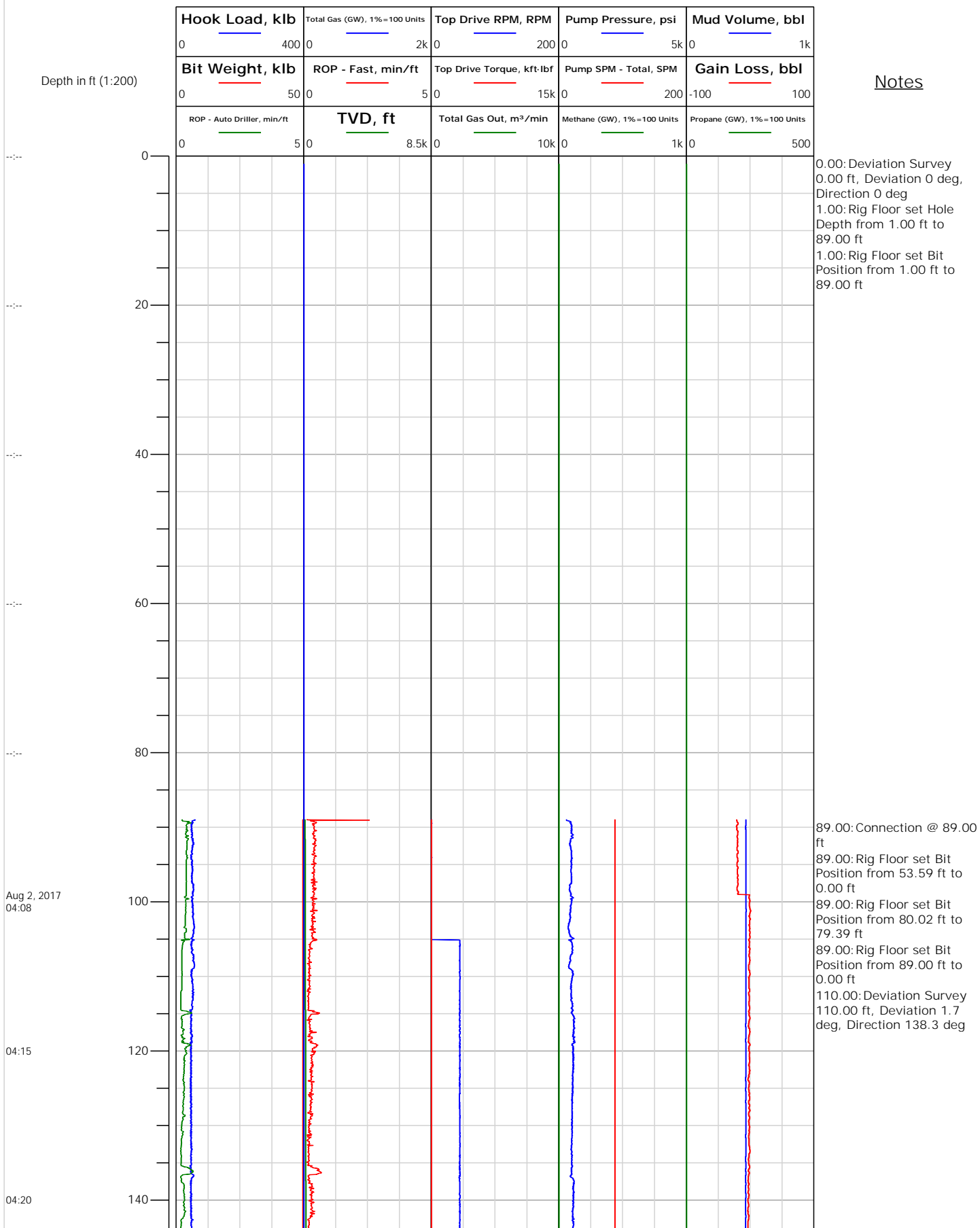
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





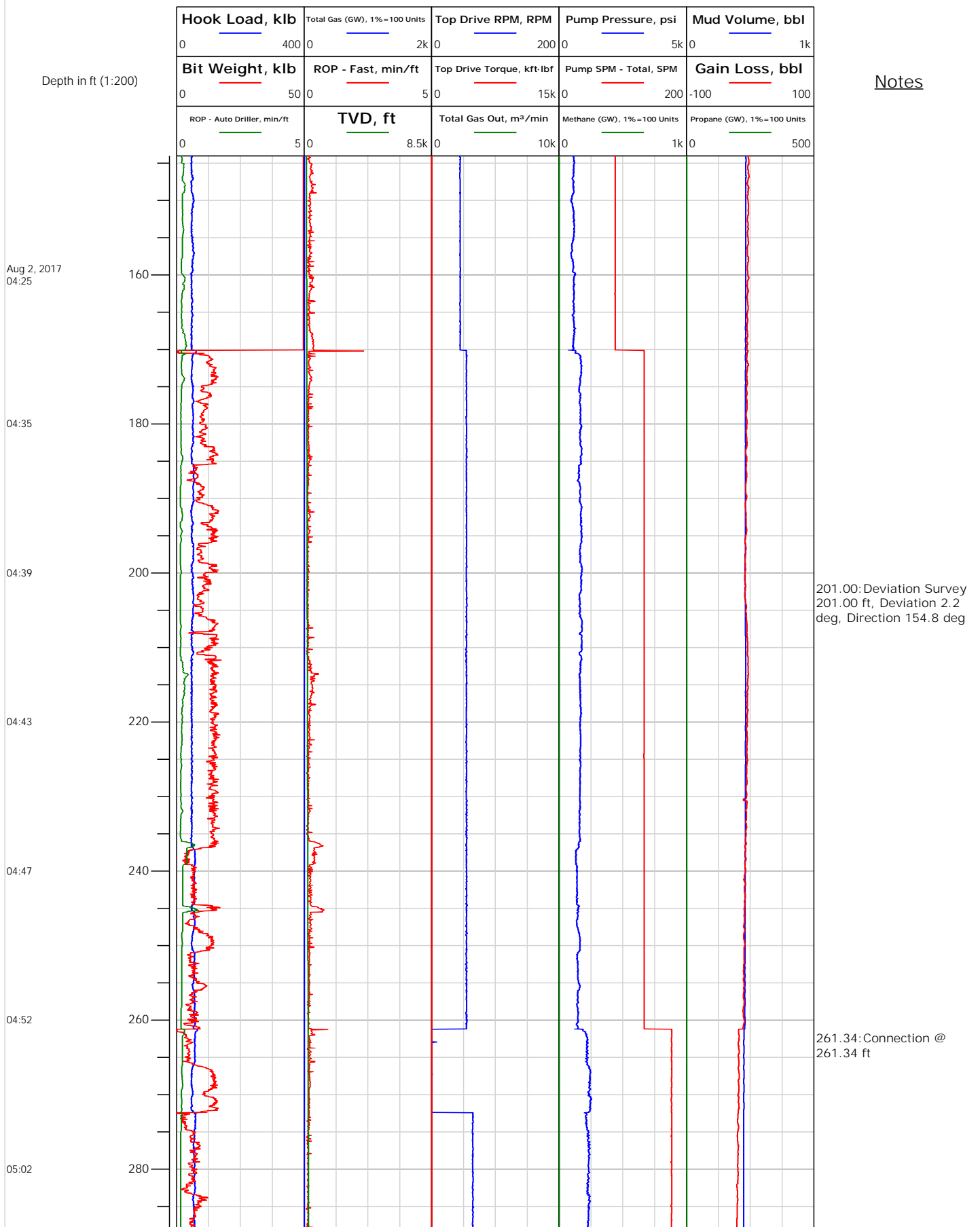
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





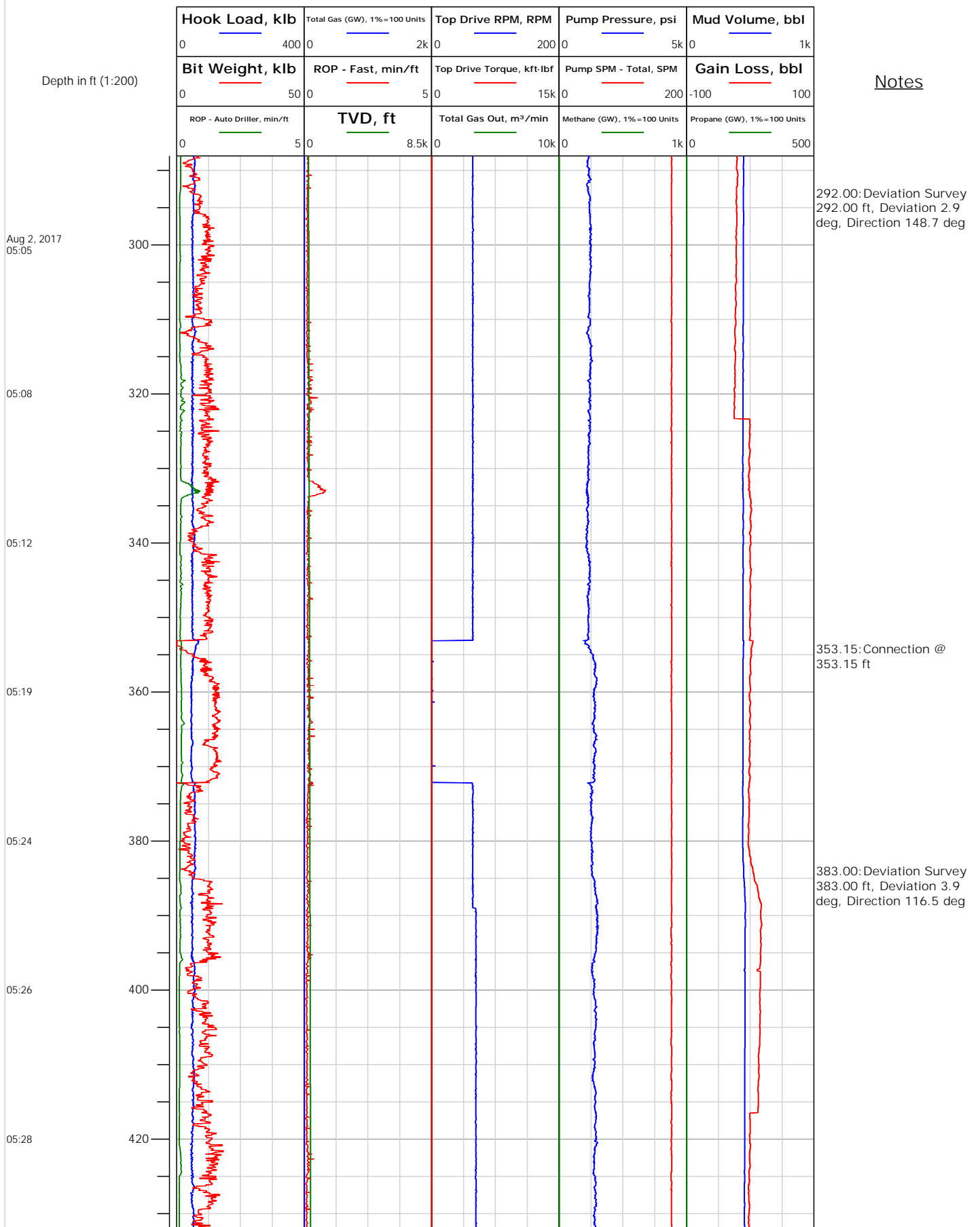
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





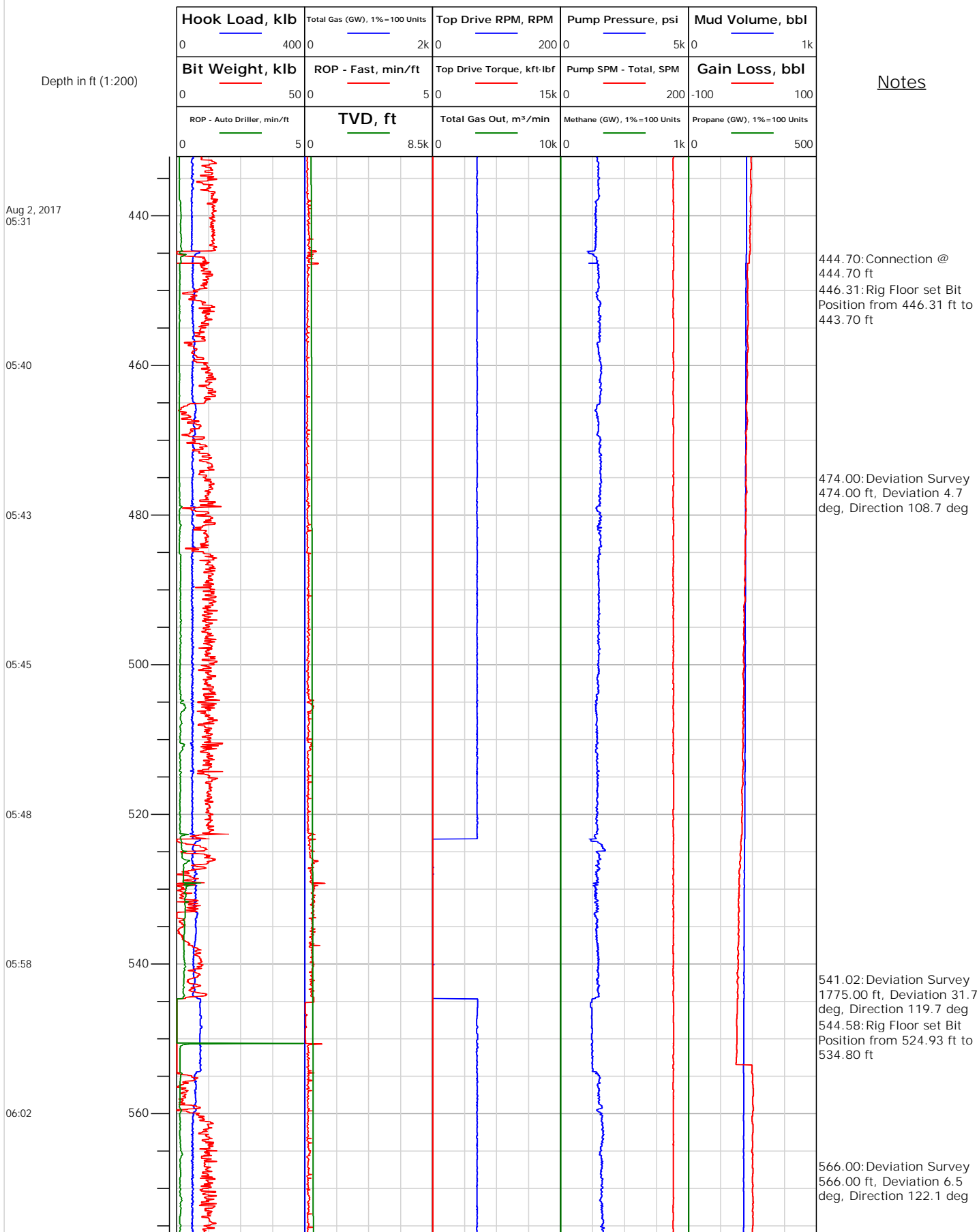
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





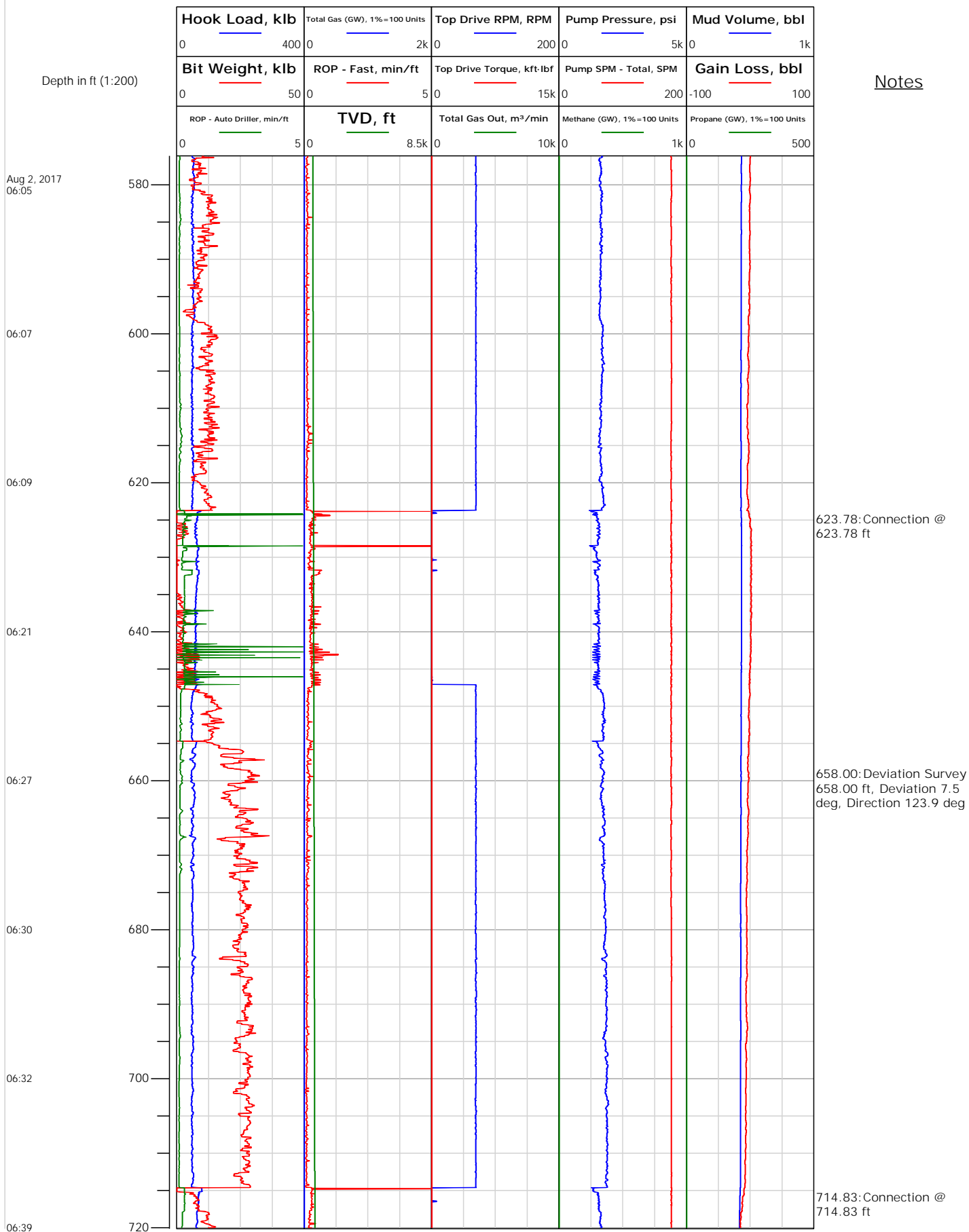
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





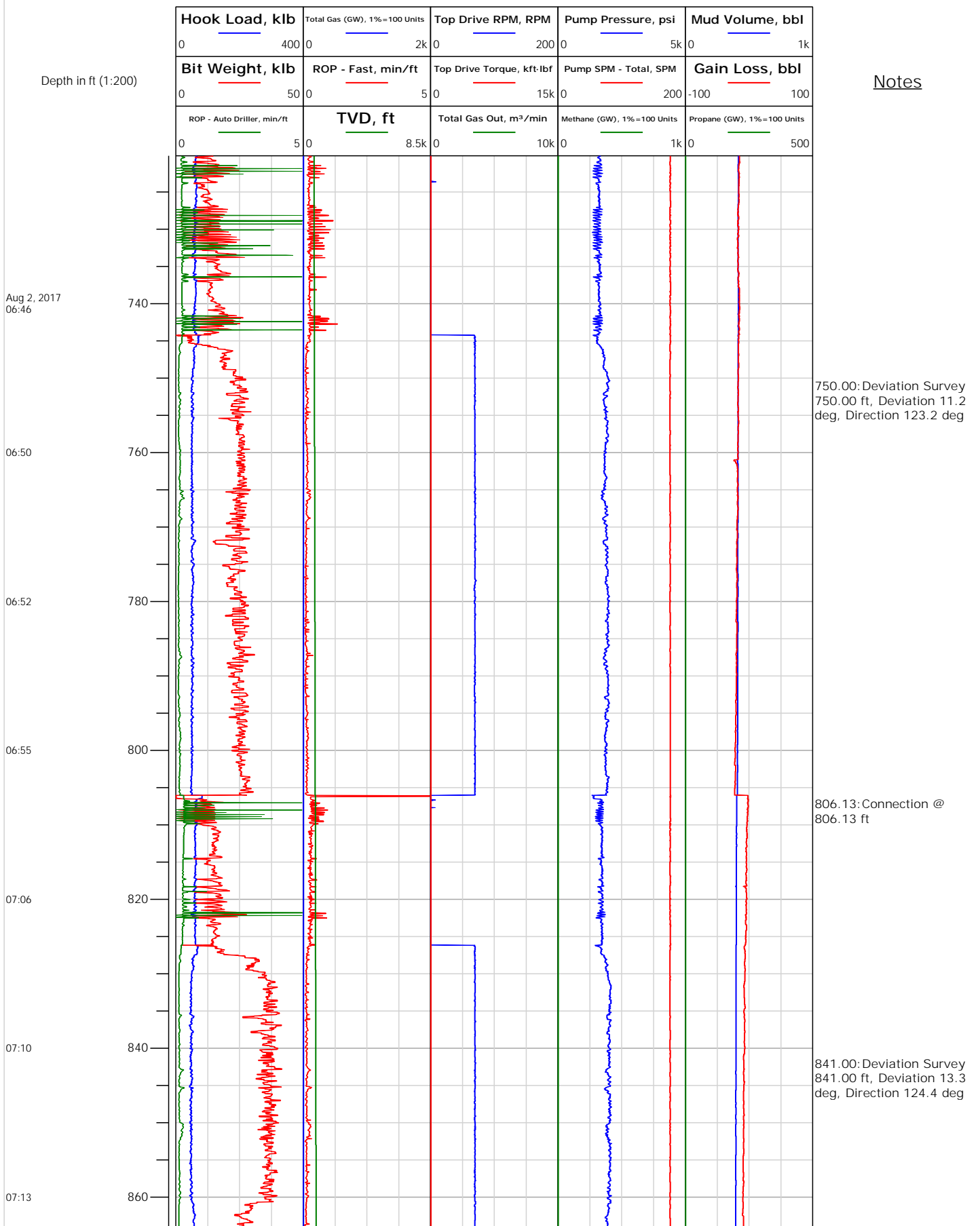
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





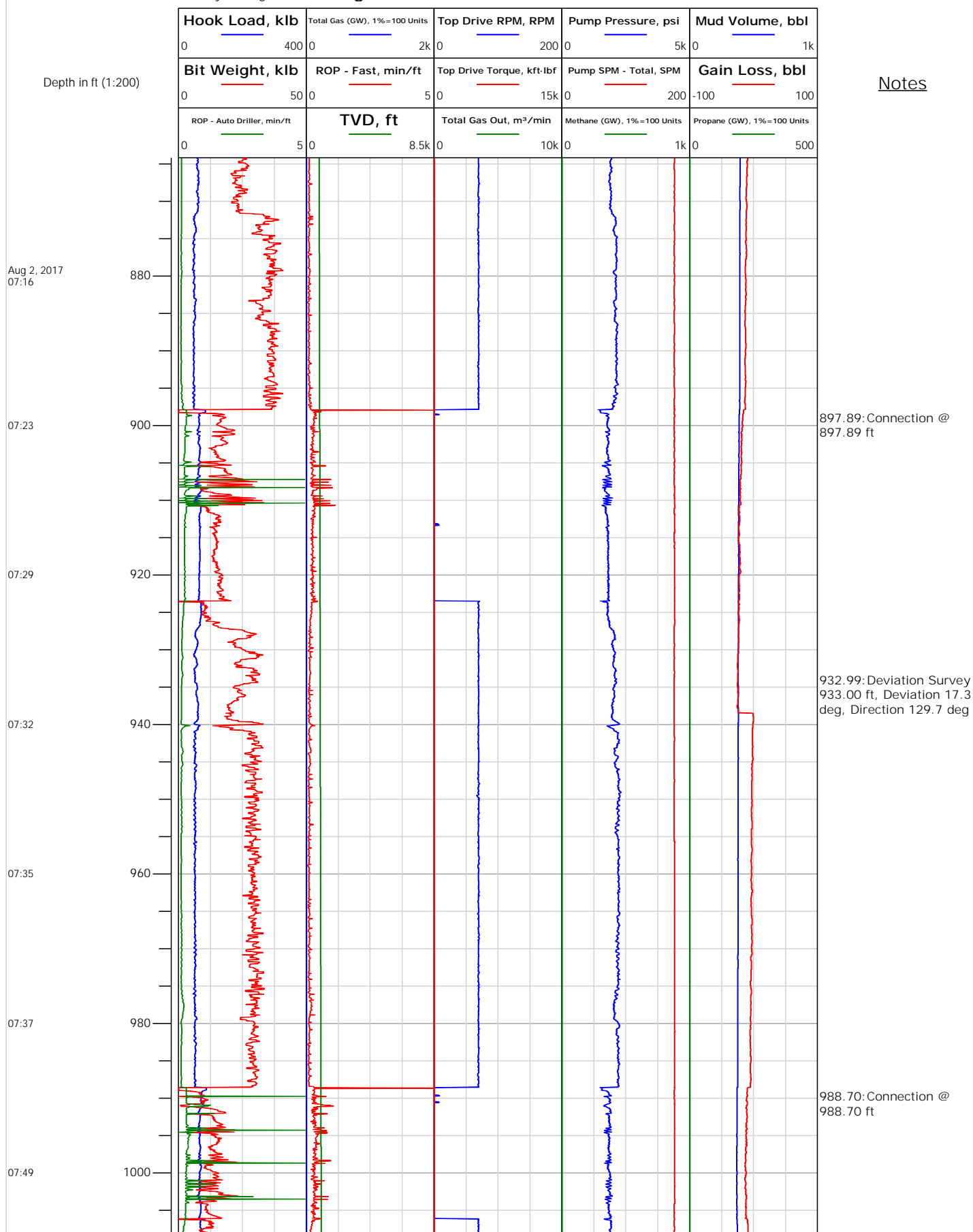
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





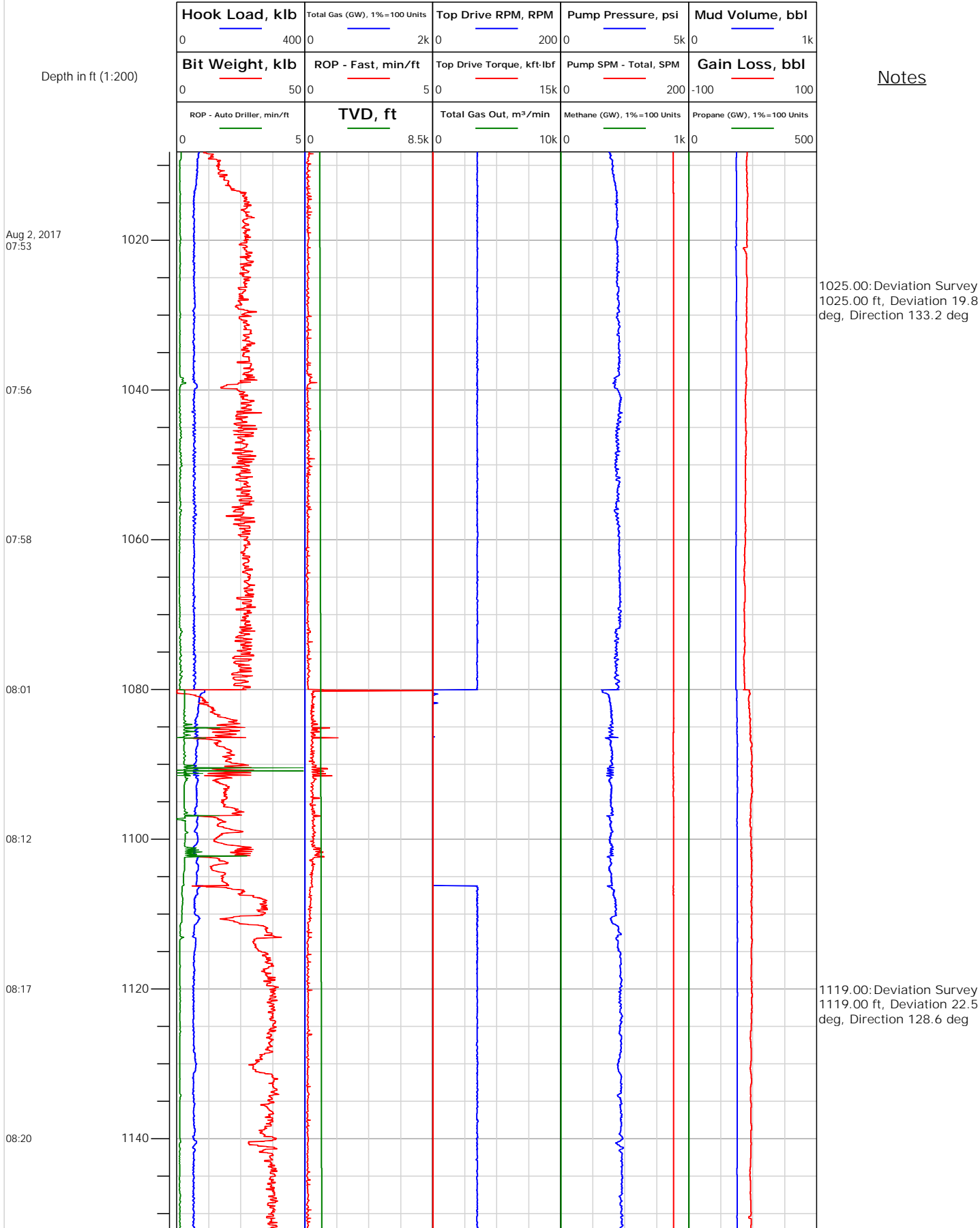
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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





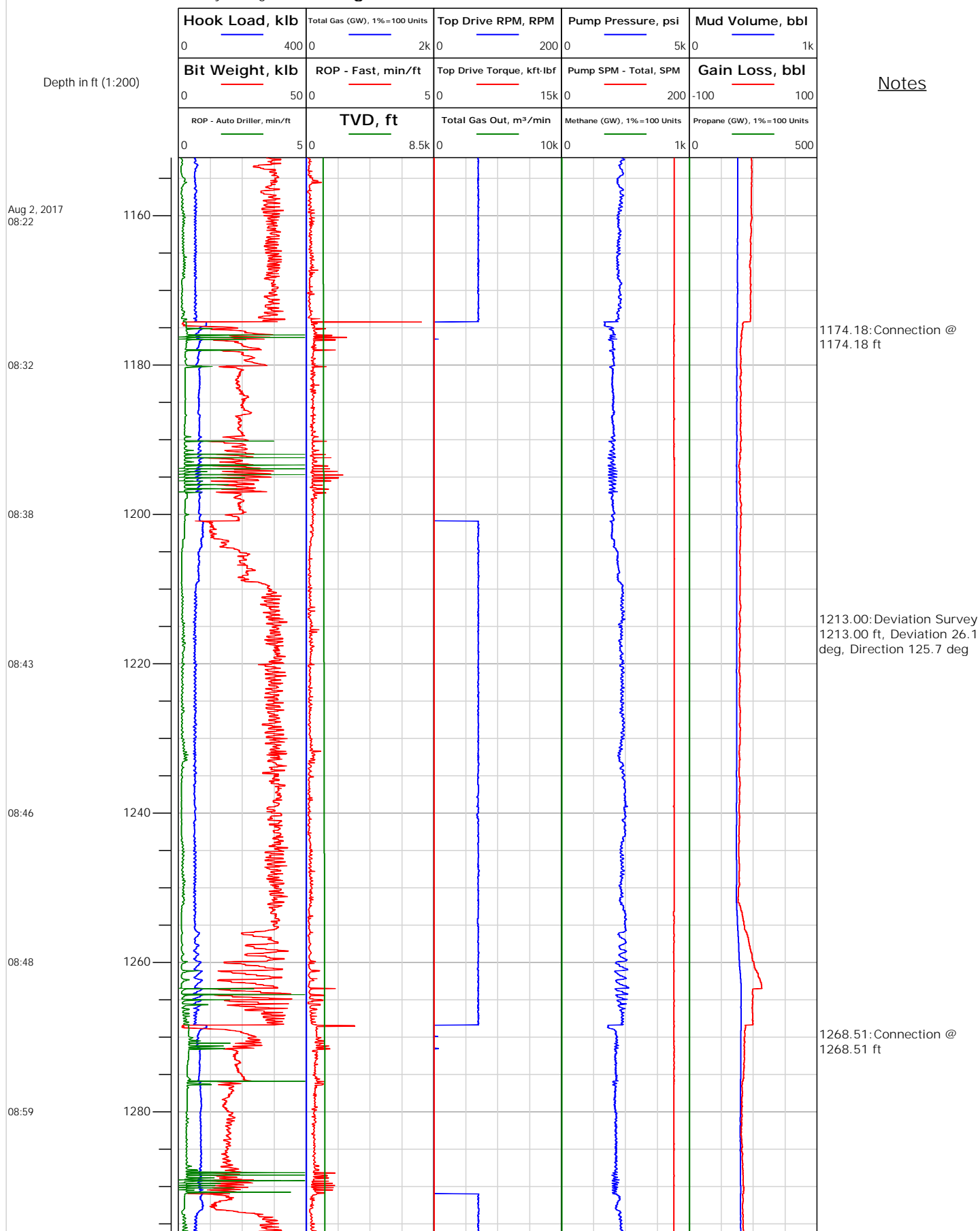
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





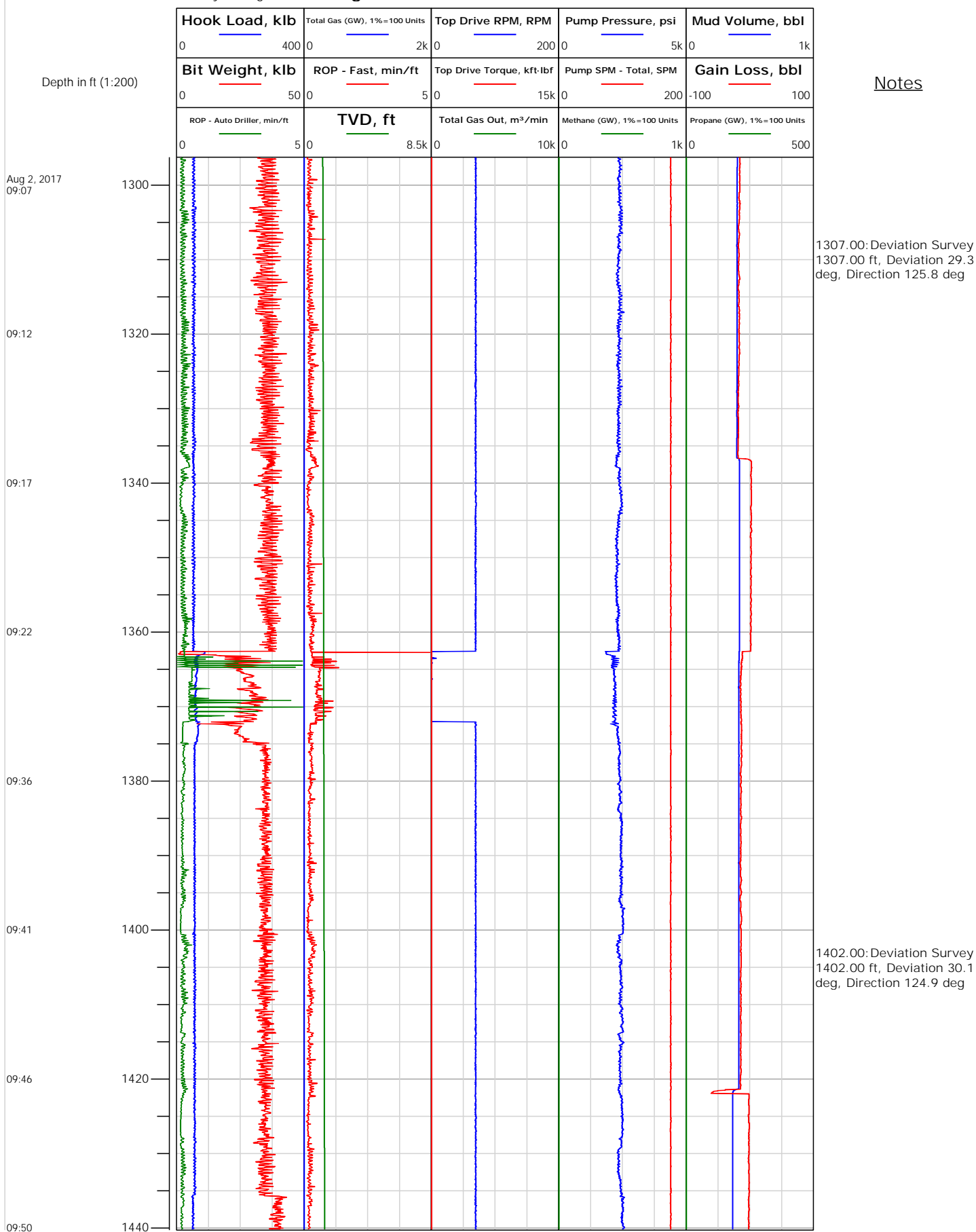
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





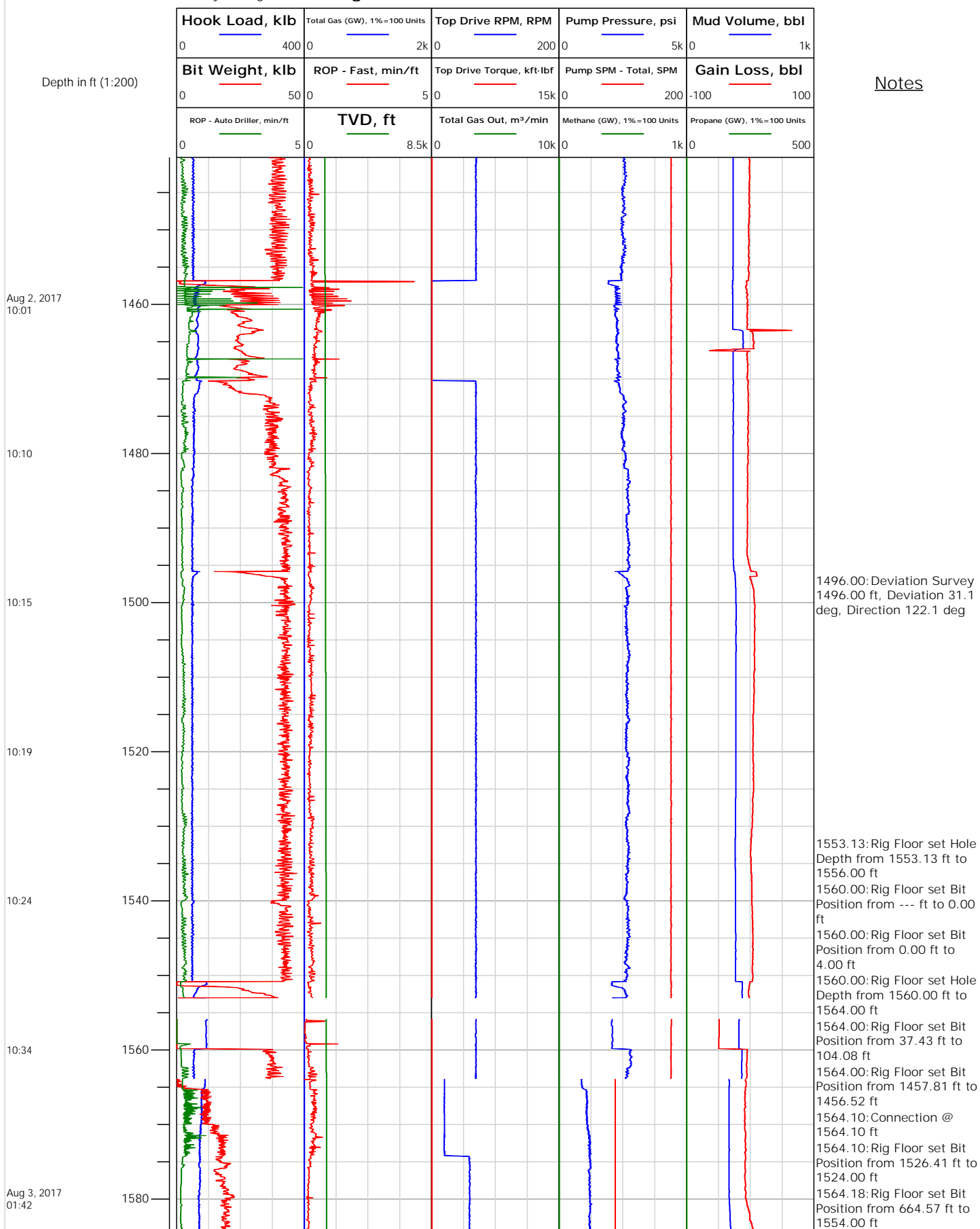
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Aug 3, 2017
01:46

01:50

01:54

02:03

02:06

02:09

02:13

1600

1620

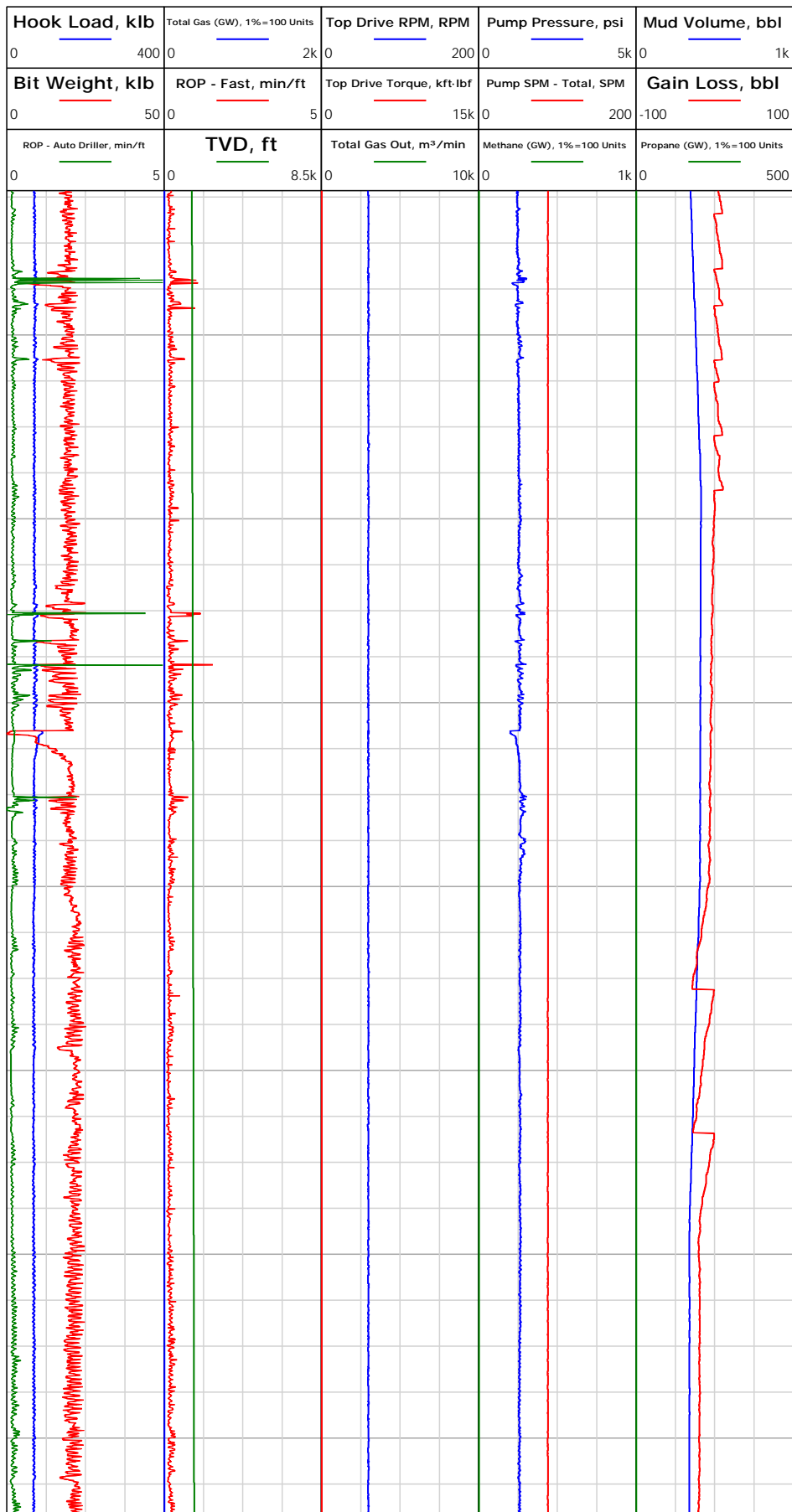
1640

1660

1680

1700

1720



1586.44: Rig Floor set Hole
Depth from 1586.44 ft to
1556.00 ft
1587.00: Deviation Survey
1587.00 ft, Deviation 32
deg, Direction 122.1 deg

1643.11: Connection @
1643.11 ft

1680.99: Deviation Survey
1681.00 ft, Deviation 31.7
deg, Direction 121.4 deg



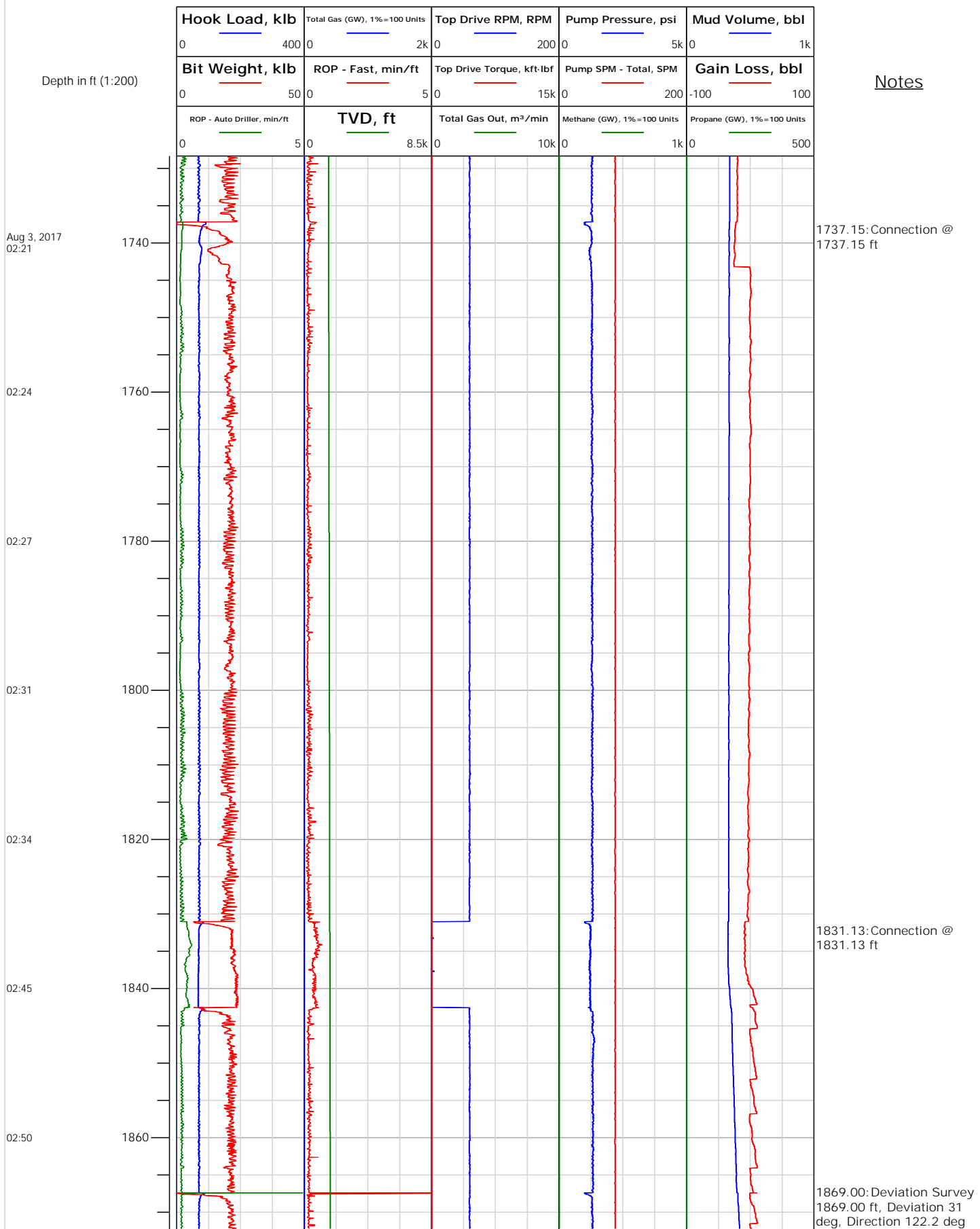
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





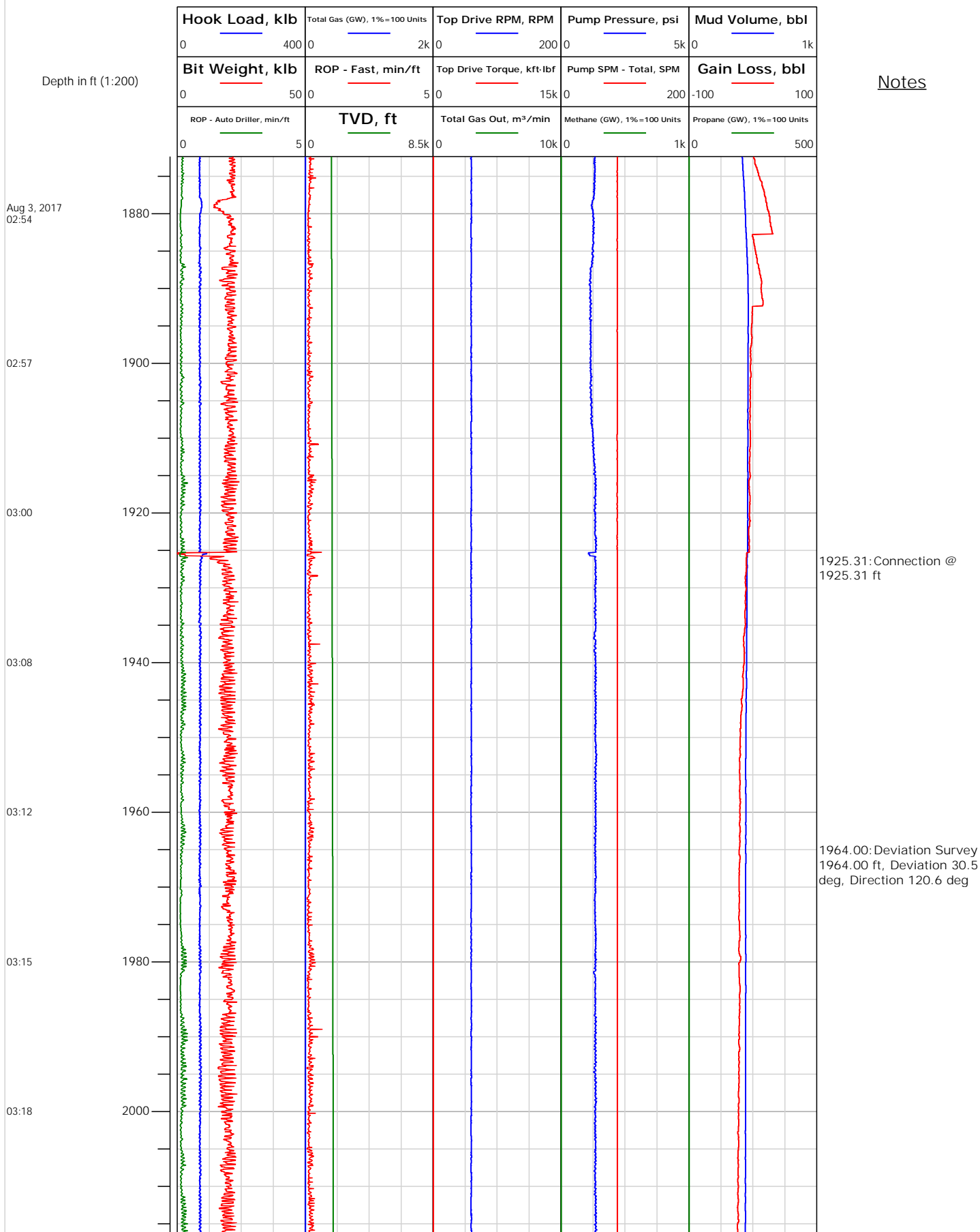
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Aug 3, 2017
03:28

03:37

03:41

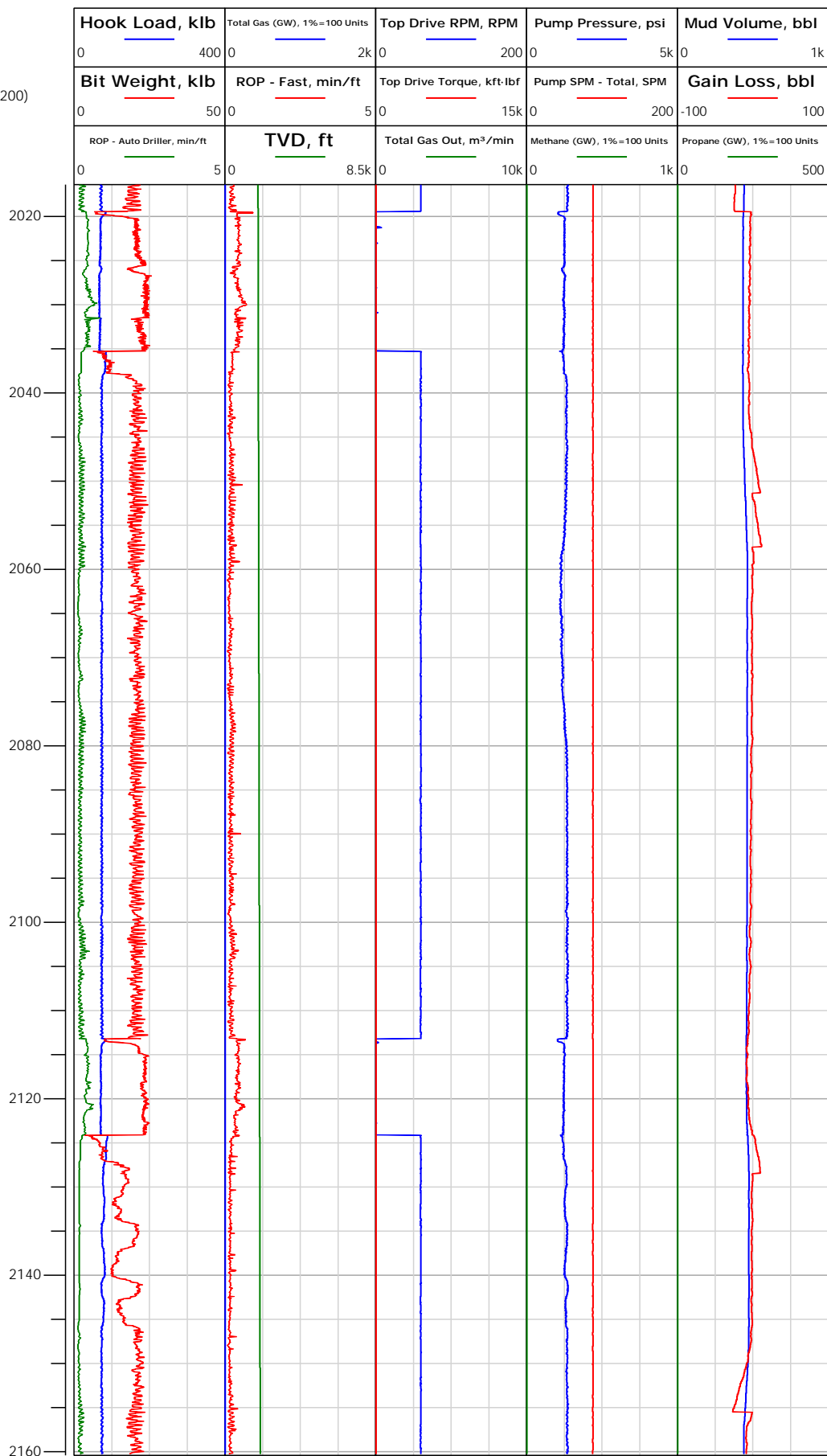
03:44

03:48

03:58

04:03

04:07



2019.43: Connection @
2019.44 ft

2058.00: Deviation Survey
2058.00 ft, Deviation 29.7
deg, Direction 123.8 deg

2113.32: Connection @
2113.32 ft

2152.00: Deviation Survey
2152.00 ft, Deviation 29.1
deg, Direction 126 deg



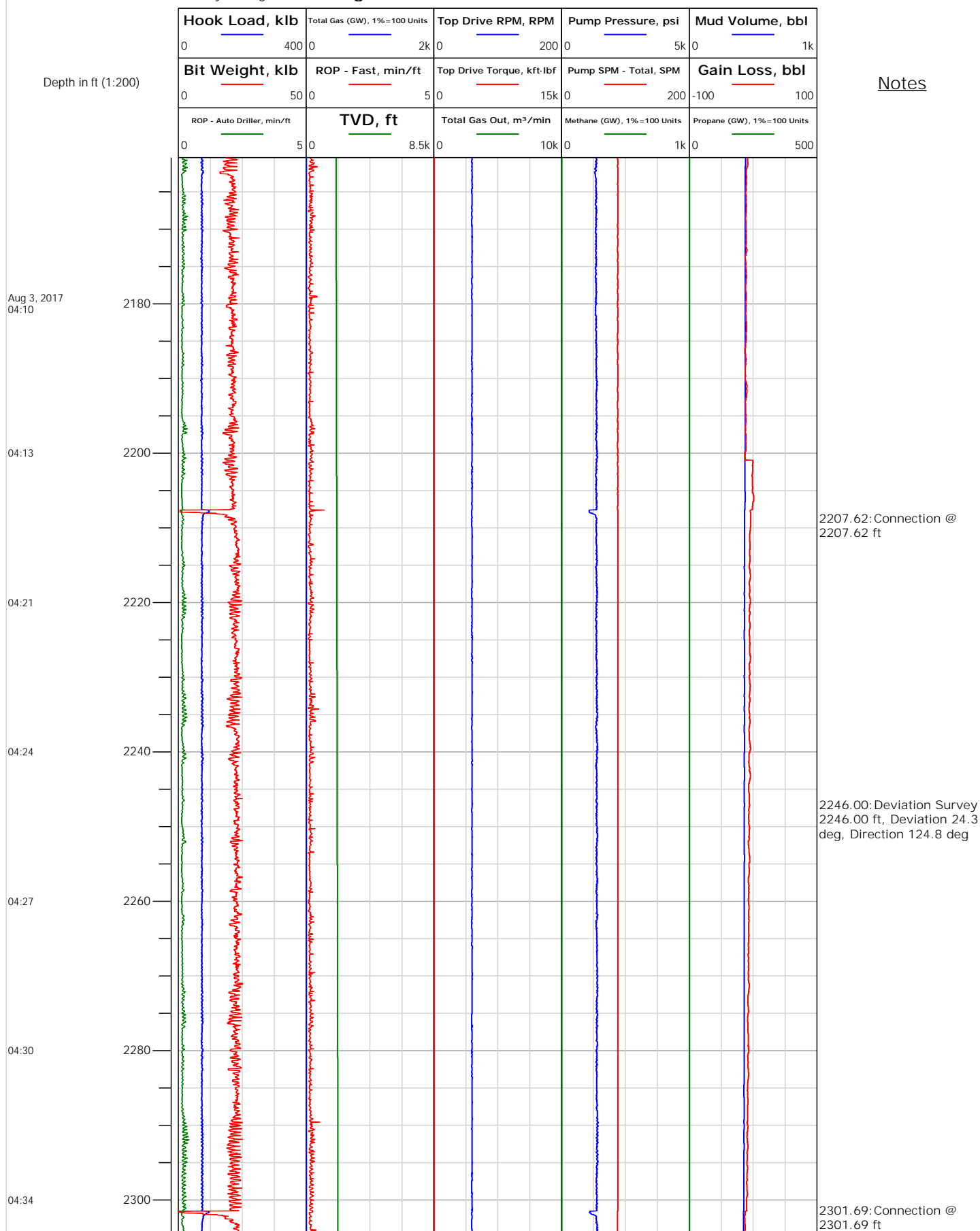
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





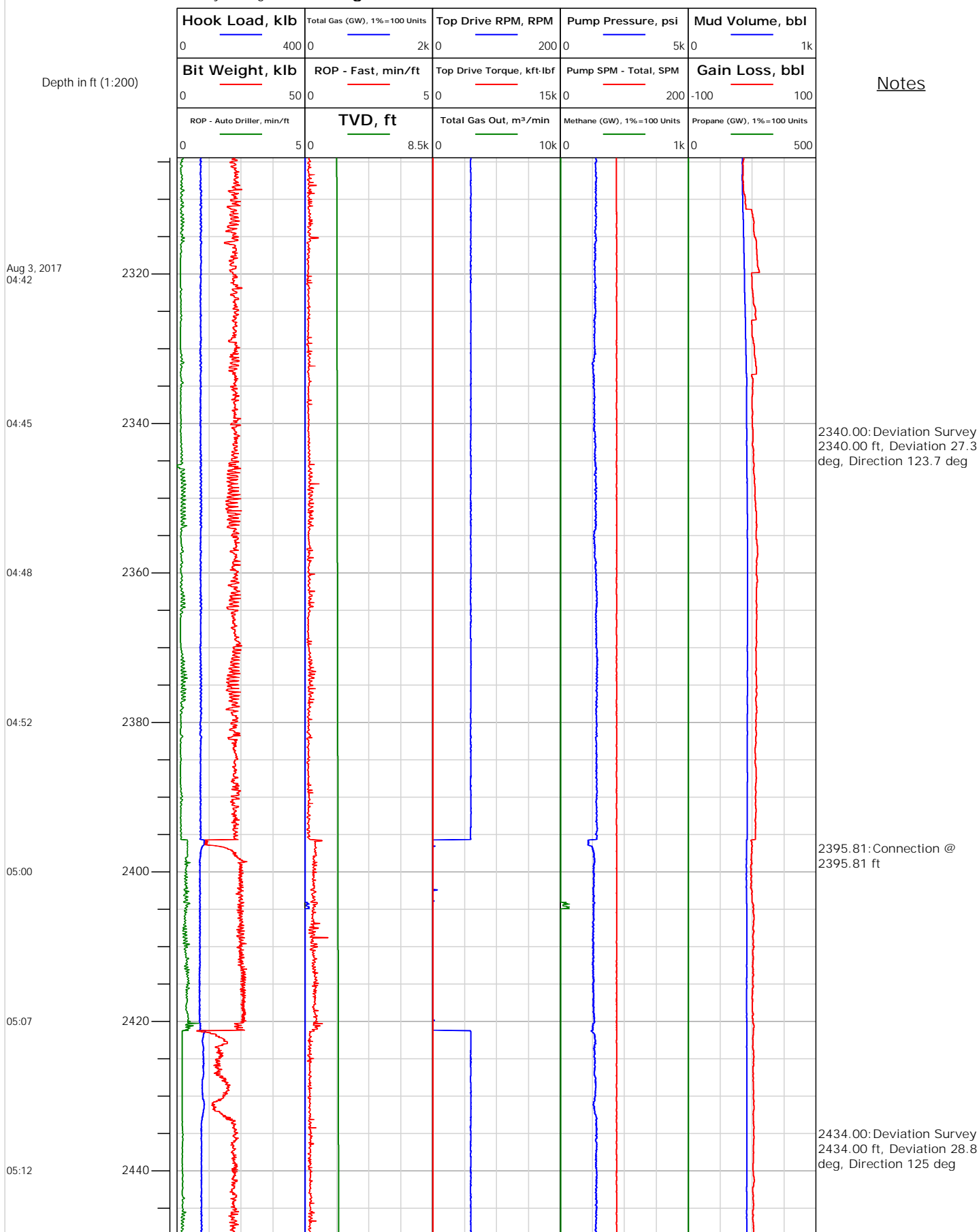
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





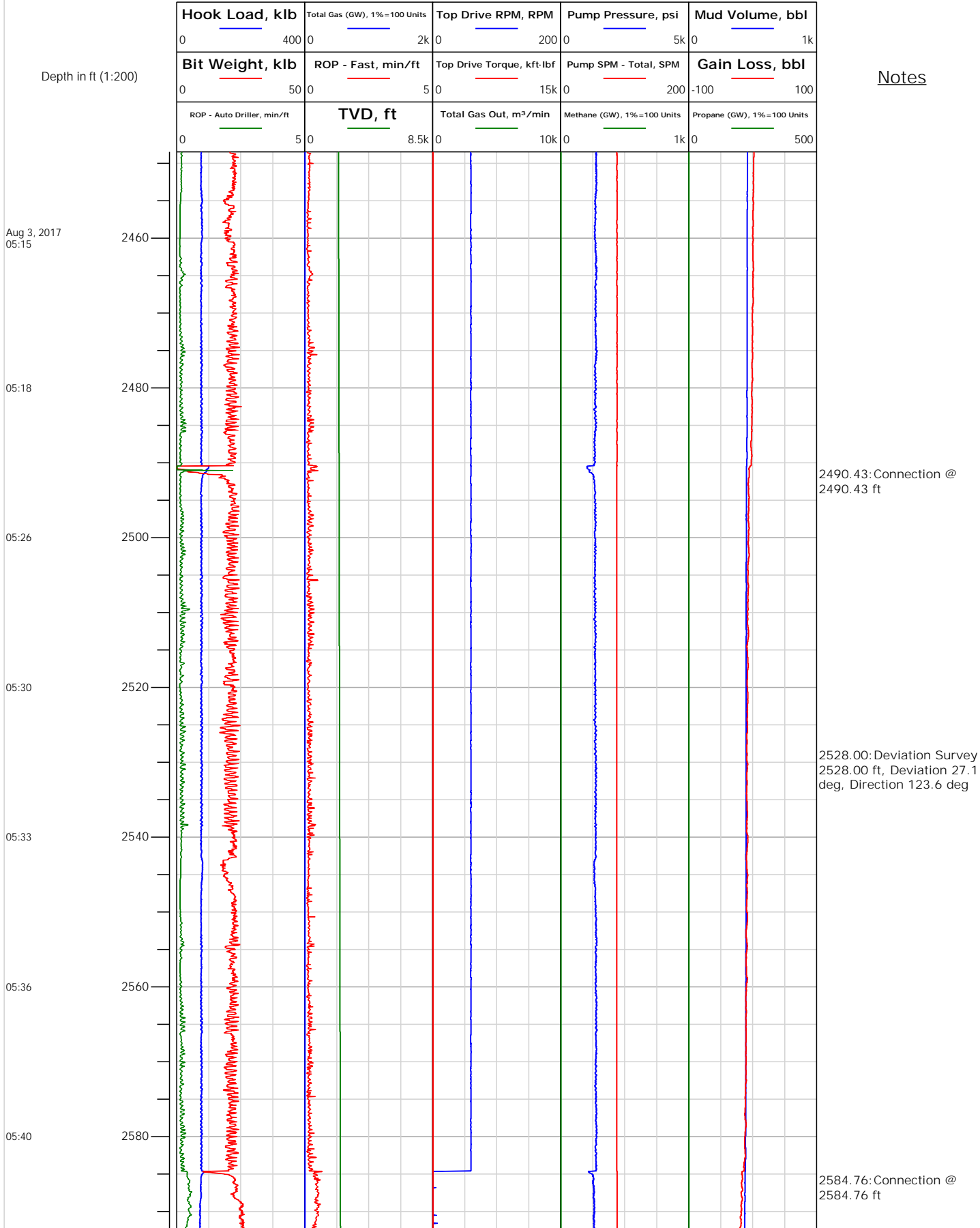
Electronic Drilling Recorder

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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





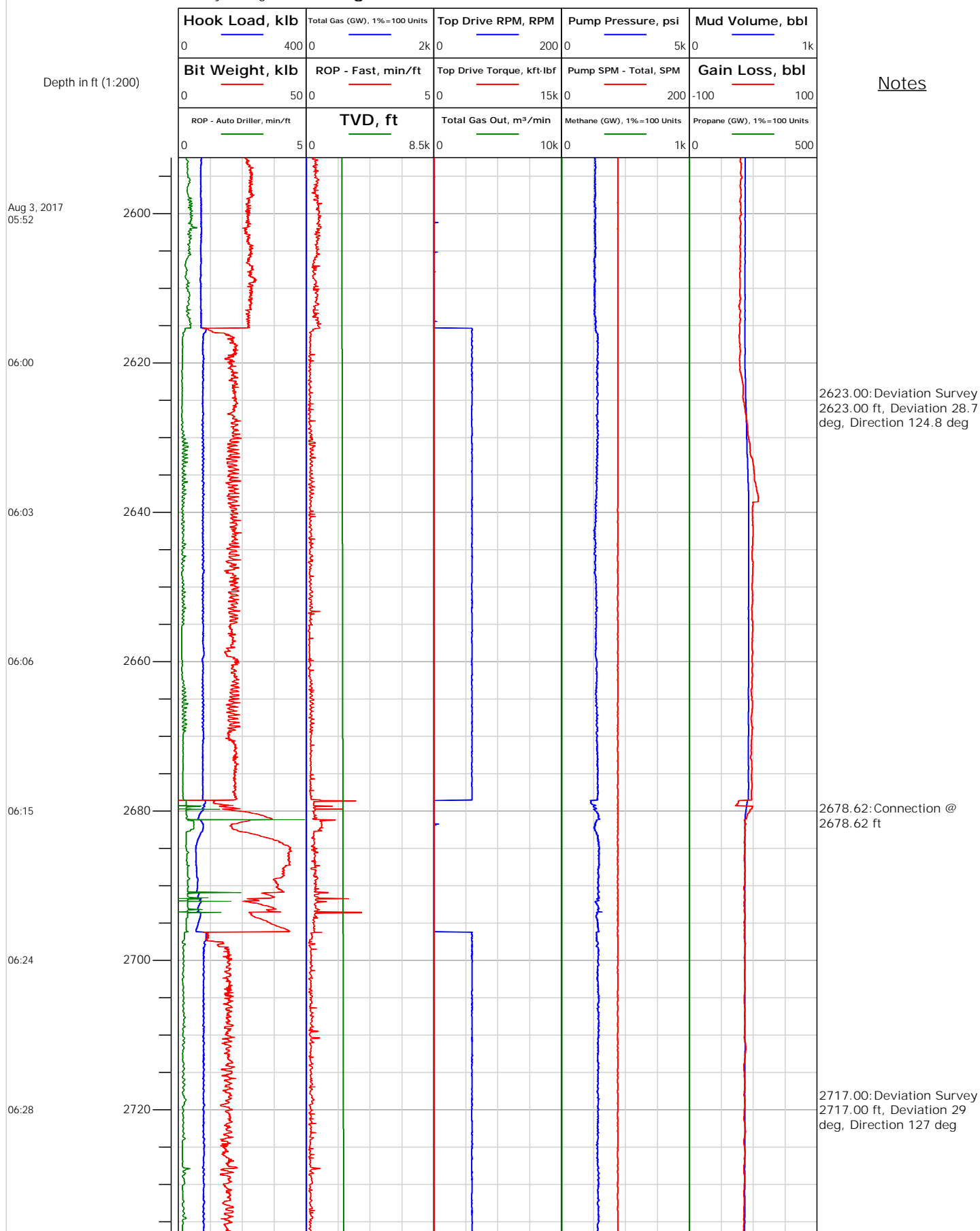
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





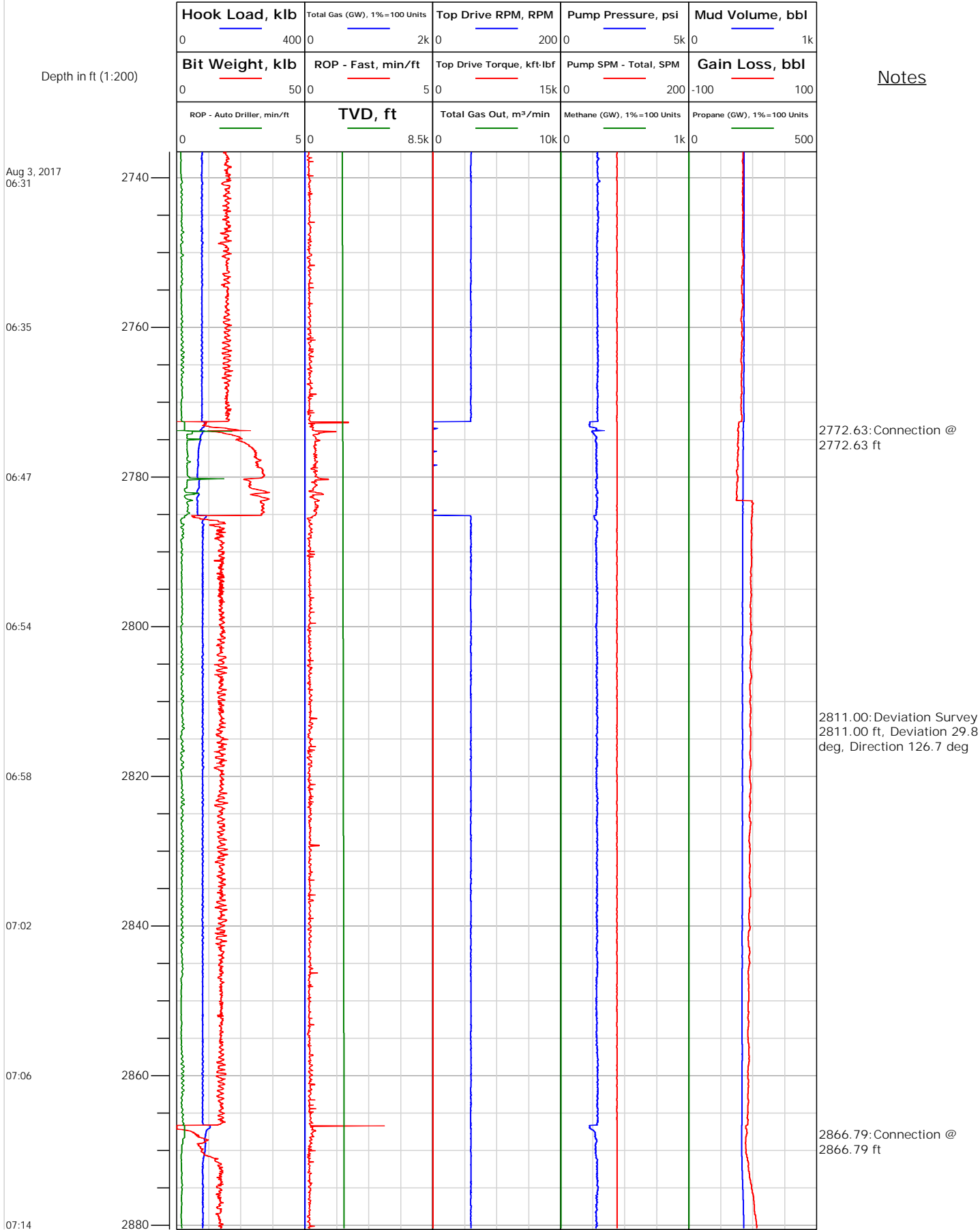
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





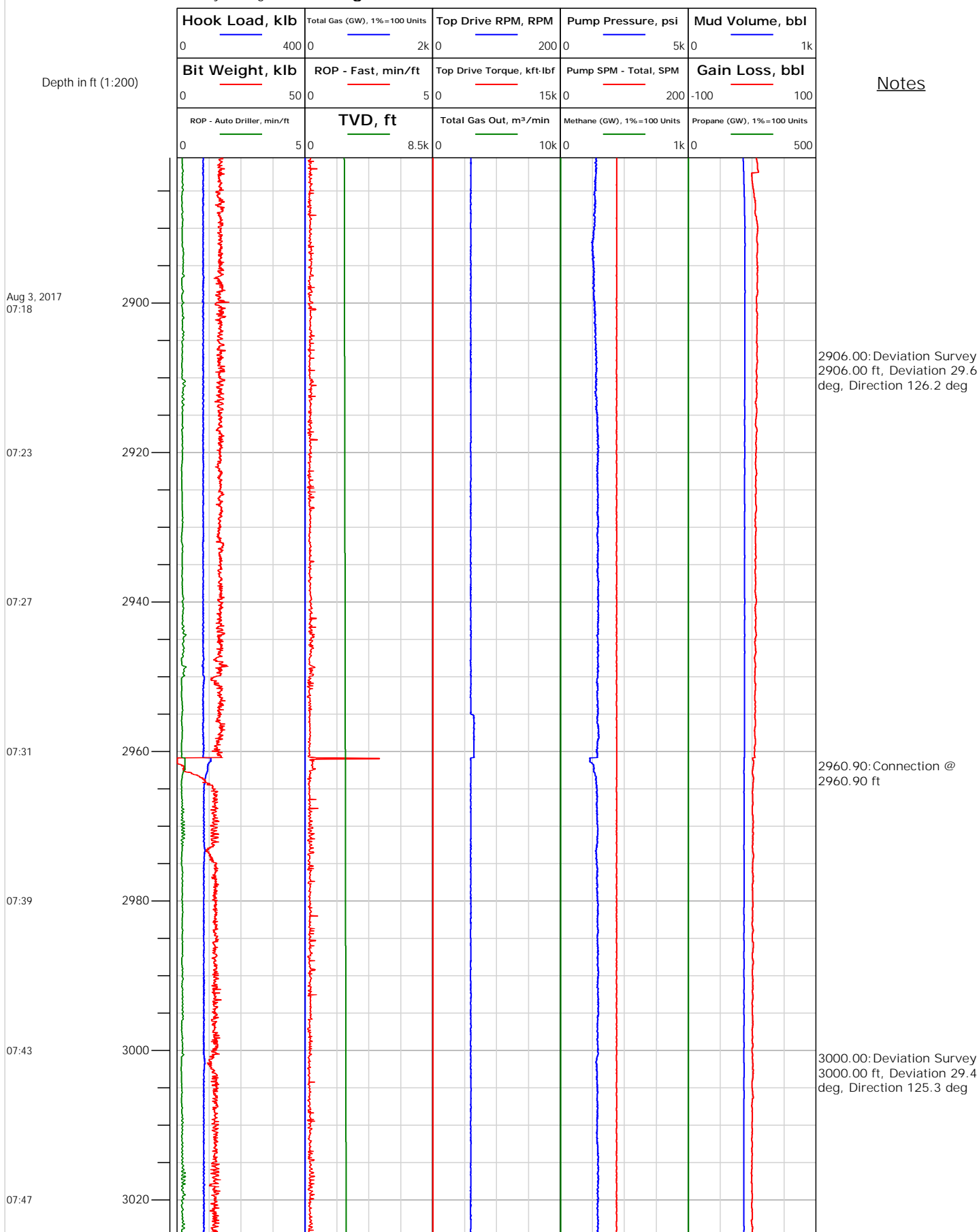
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





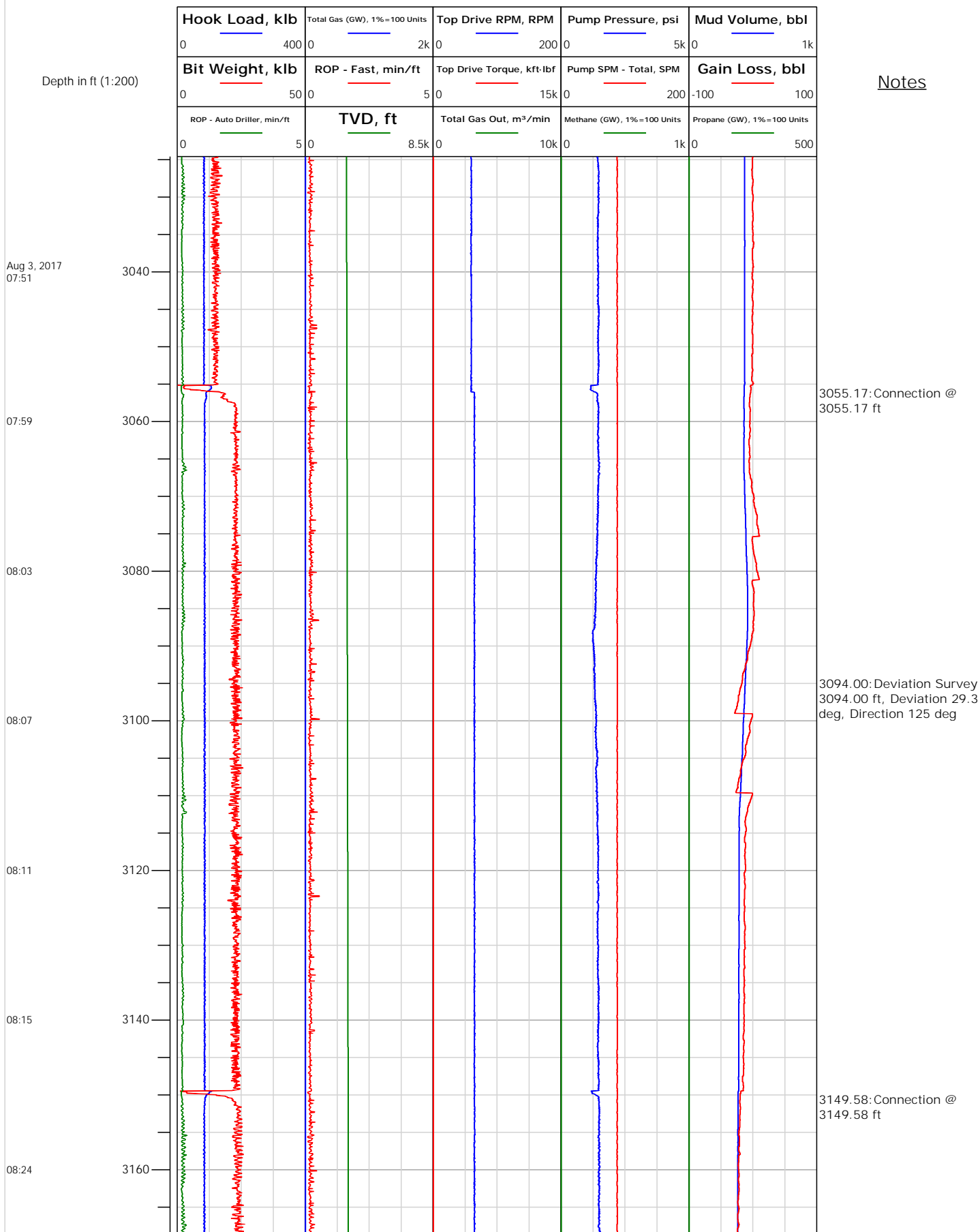
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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





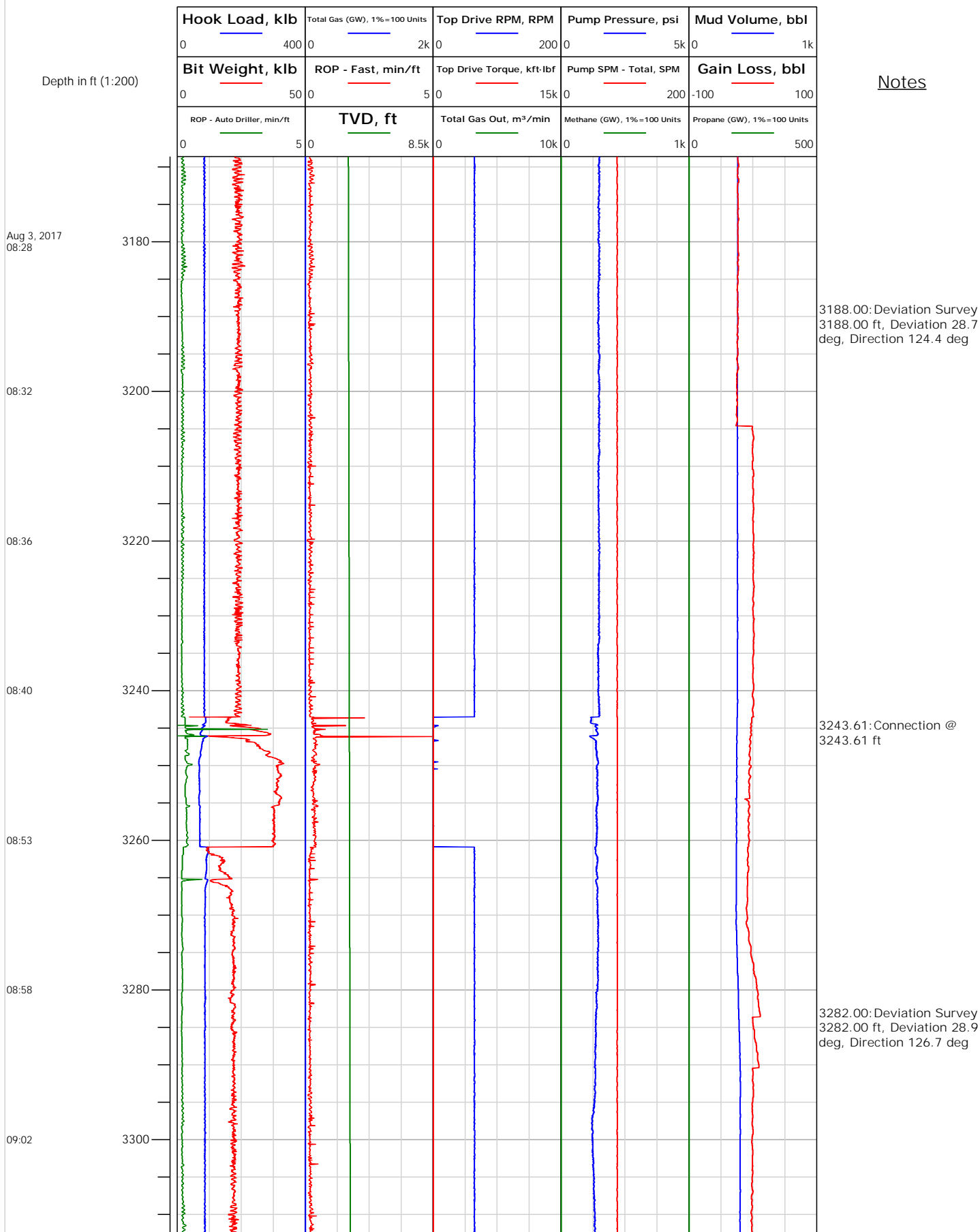
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





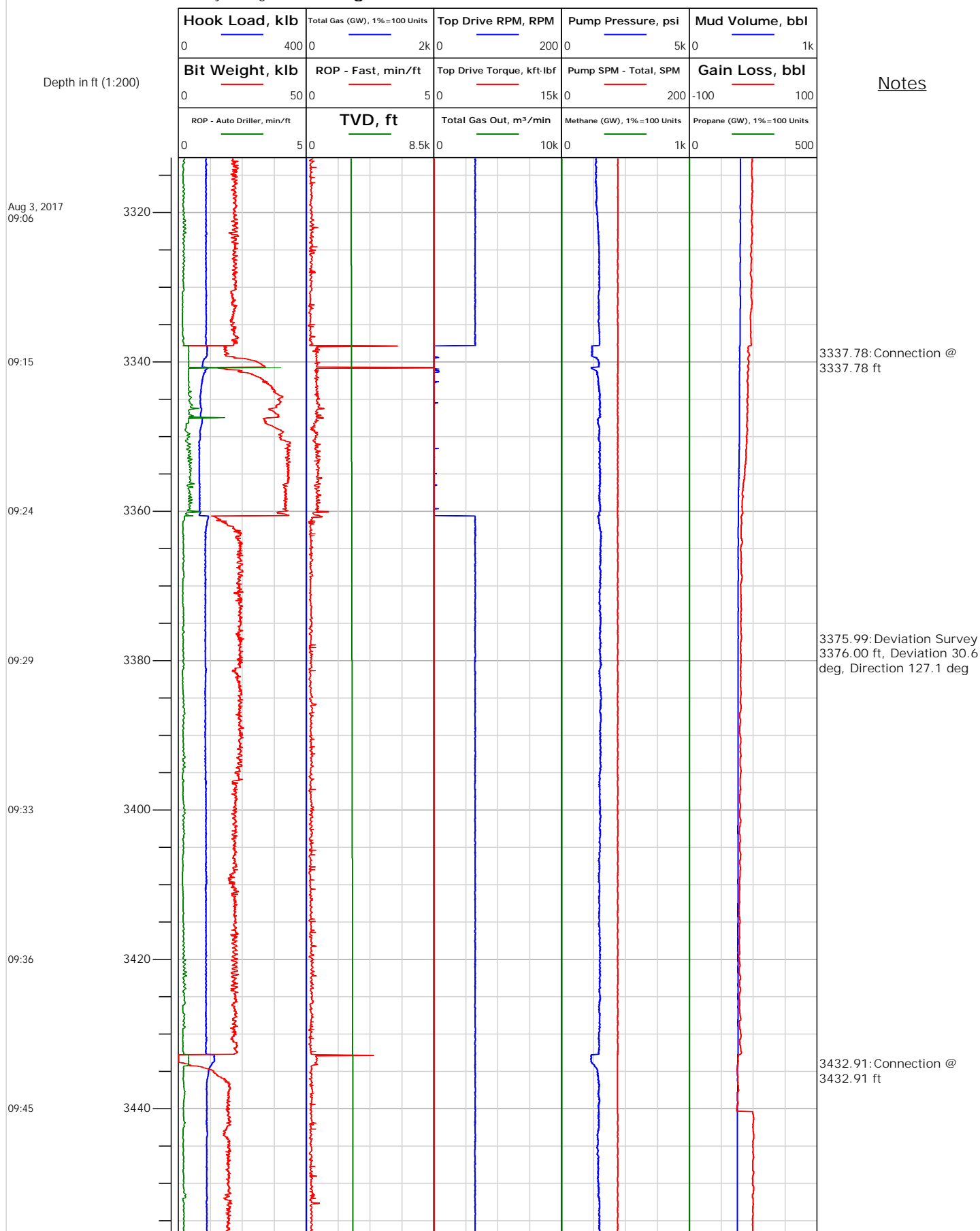
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





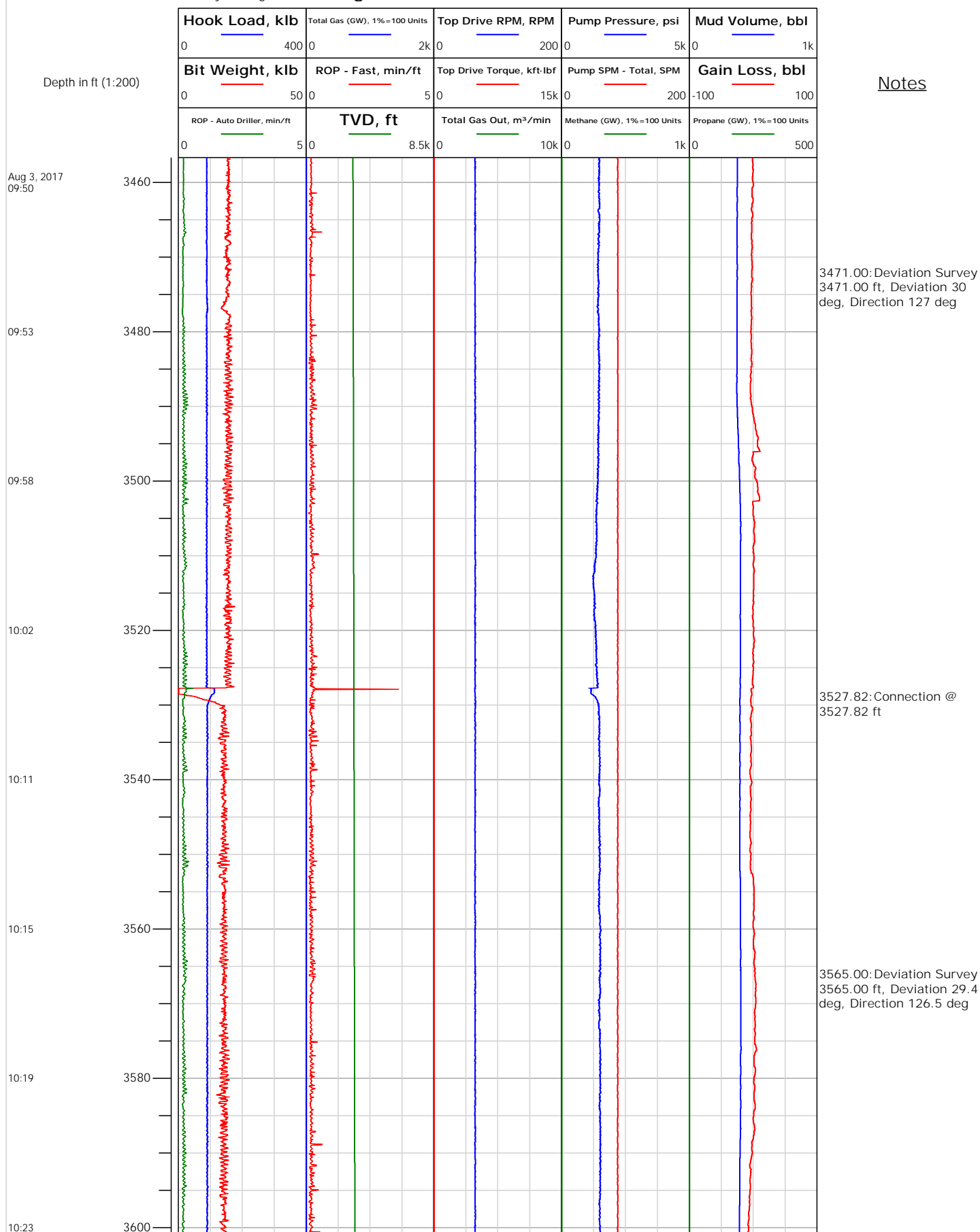
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





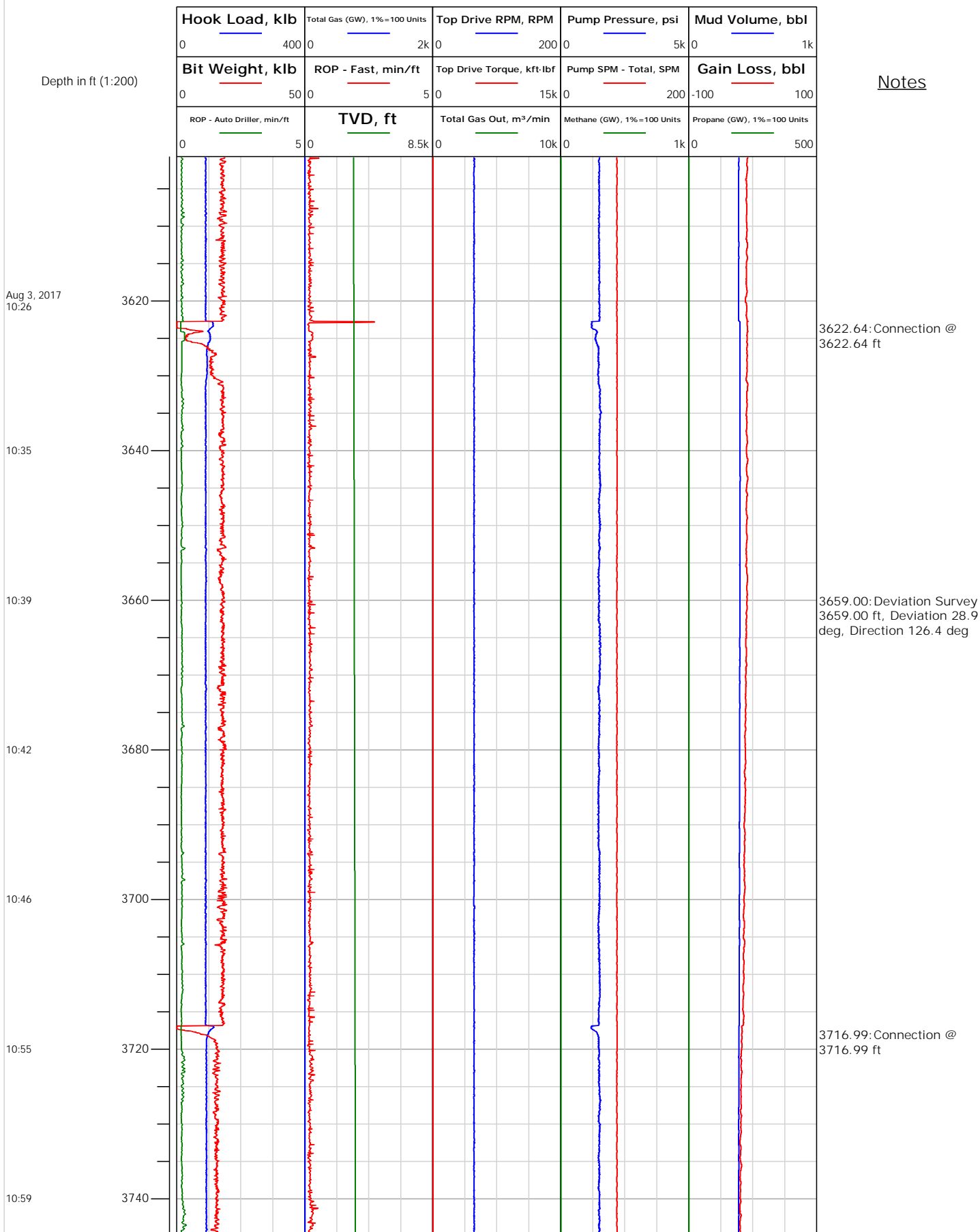
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Aug 3, 2017
11:03

11:07

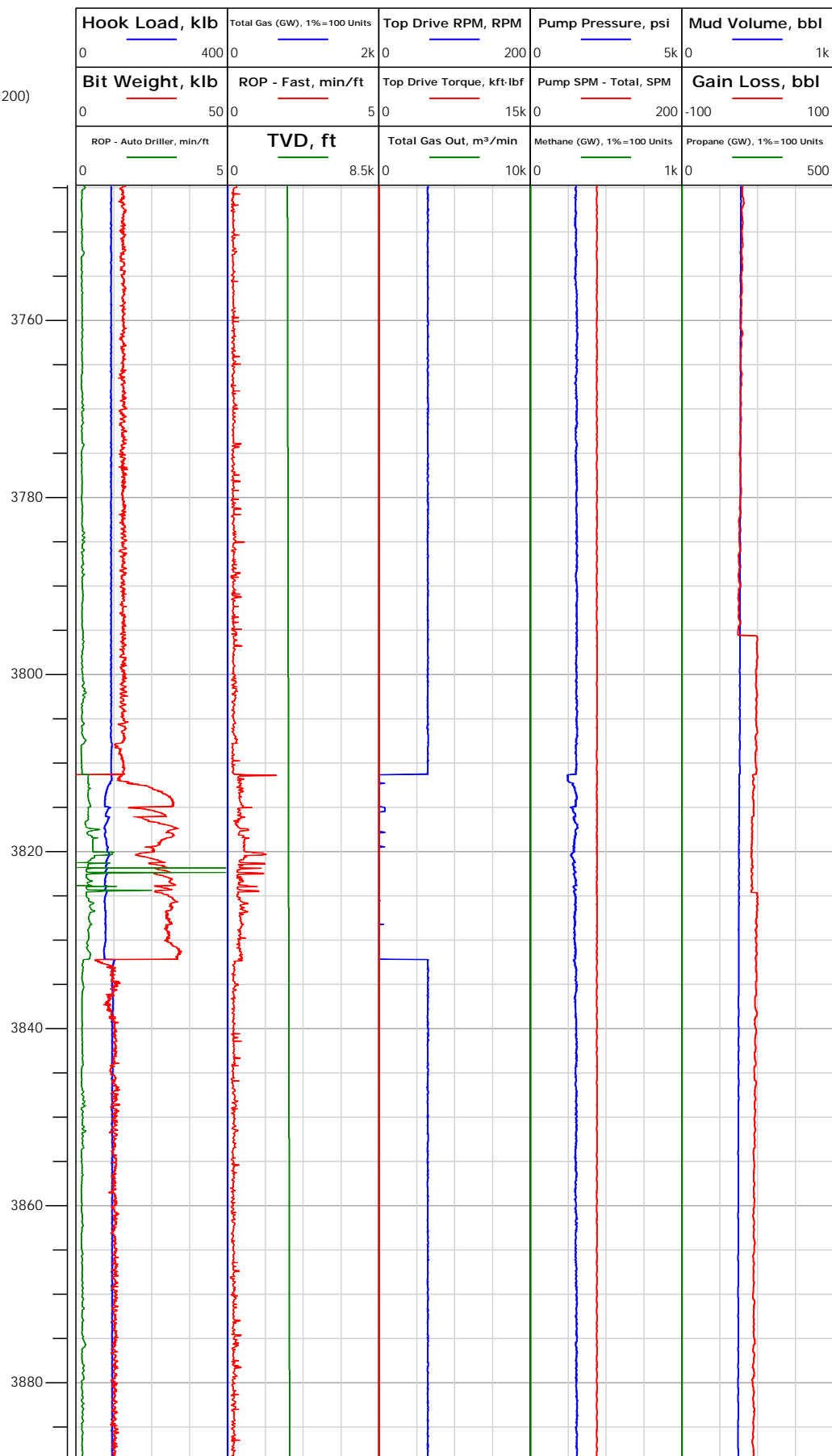
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11:24

11:32

11:37

11:41





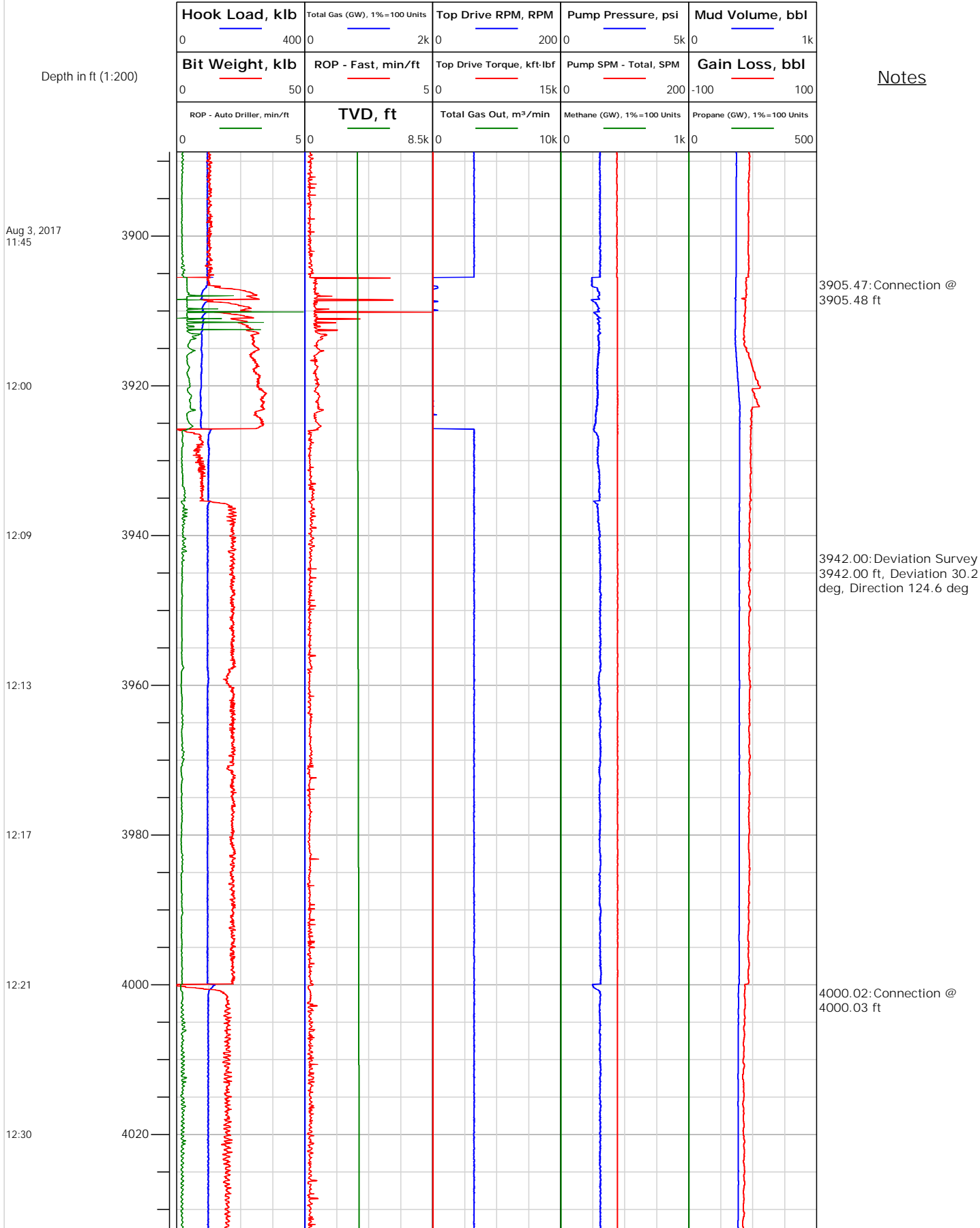
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





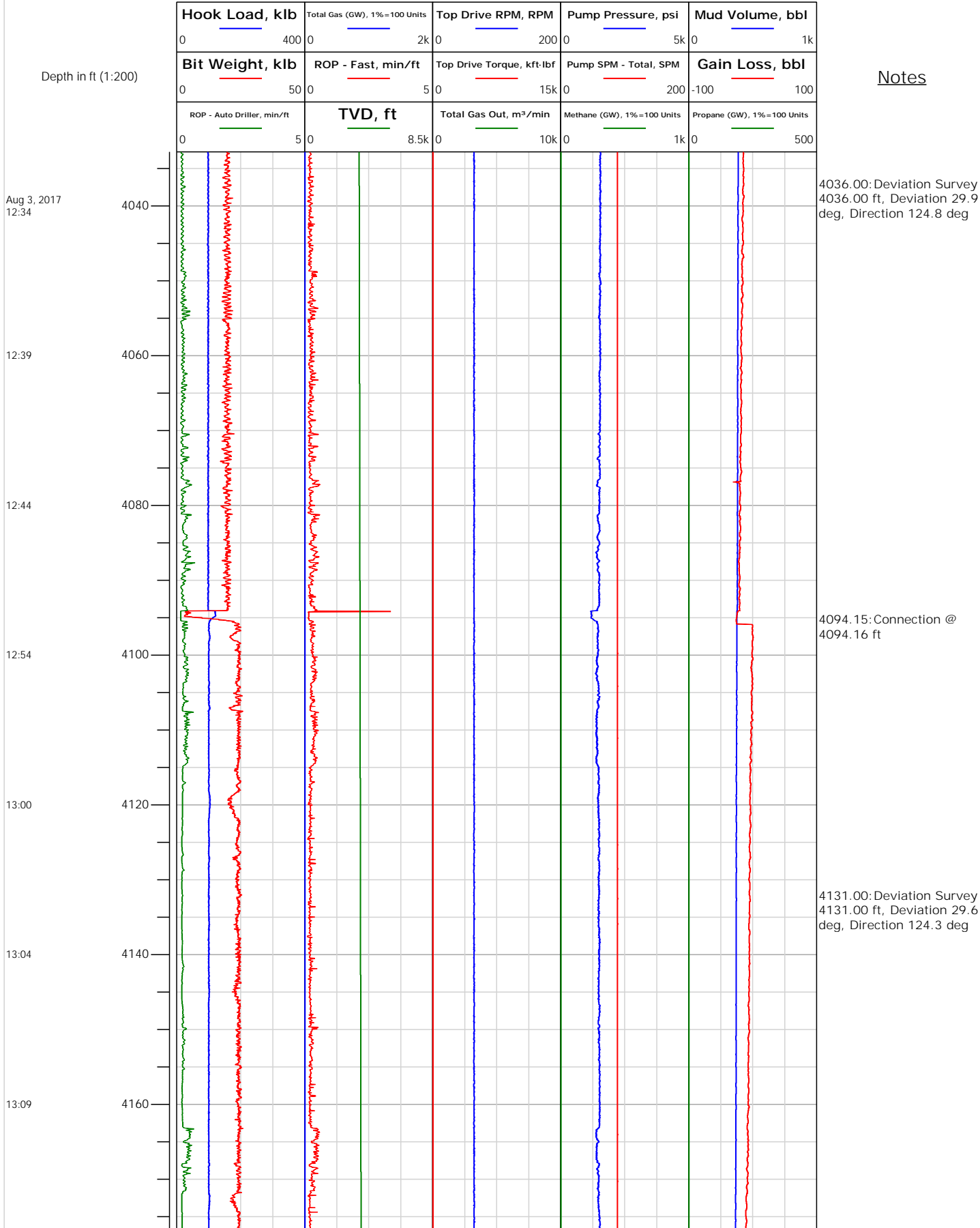
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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





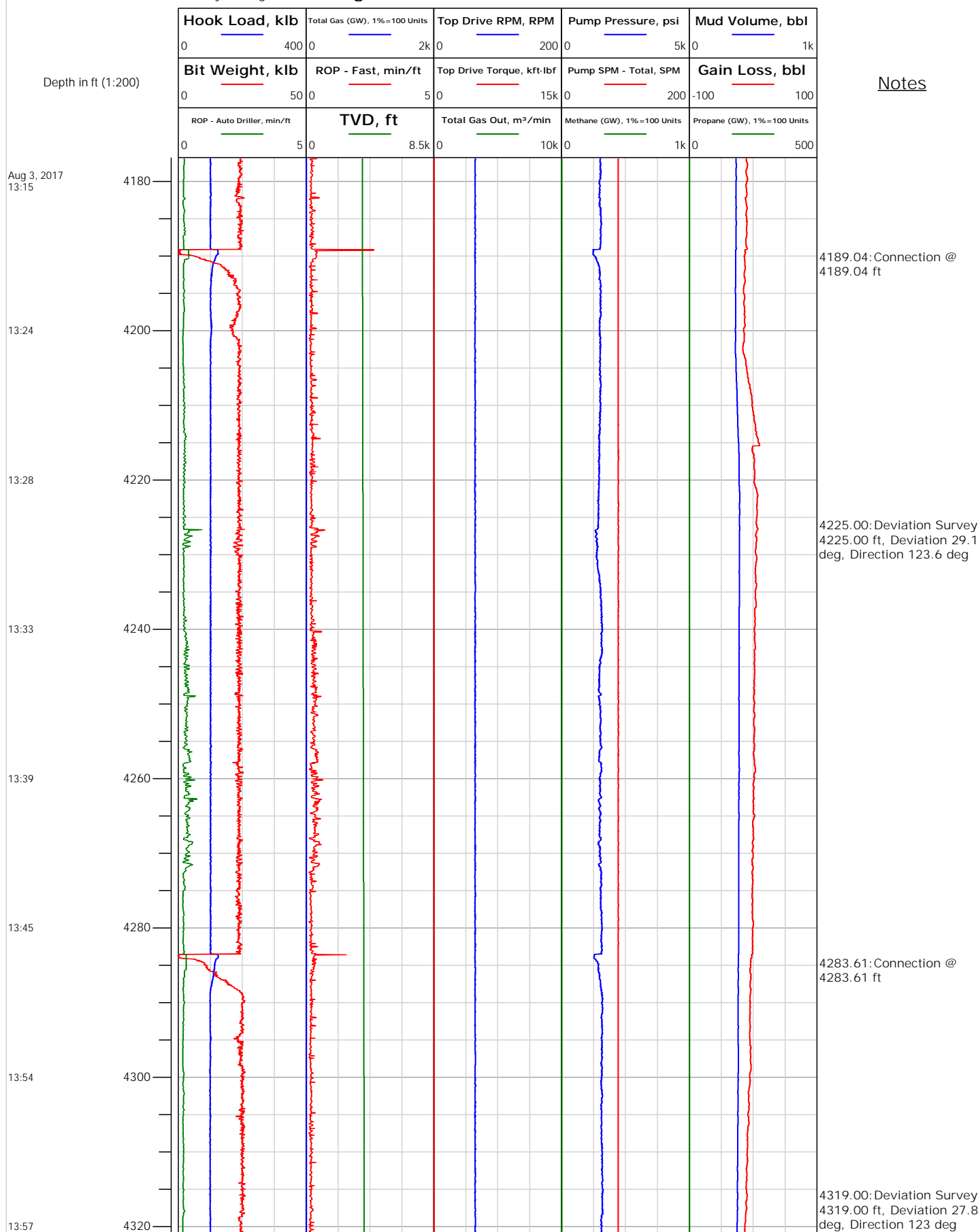
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





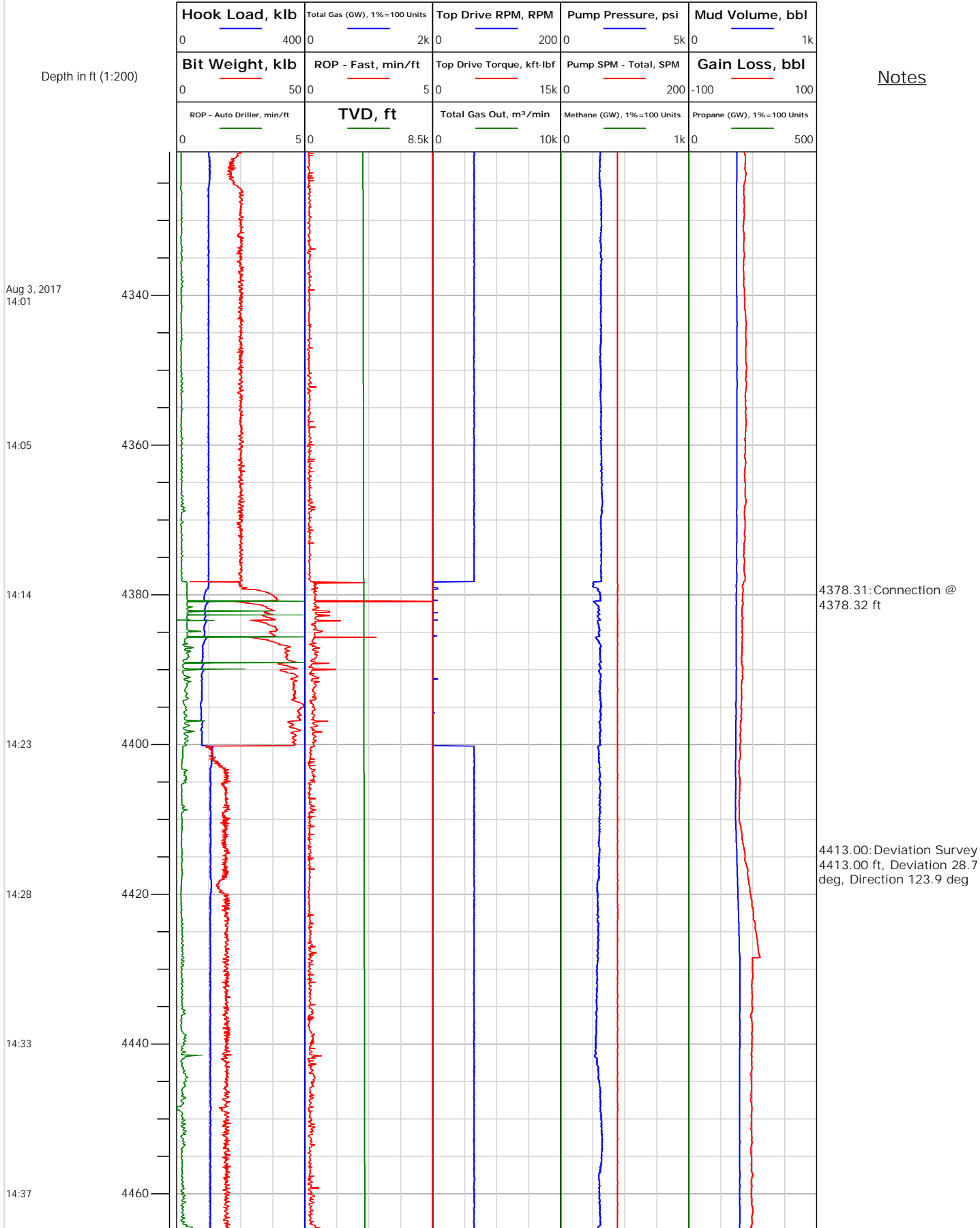
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes

Depth in ft (1:200)

Aug 3, 2017
14:55

15:12

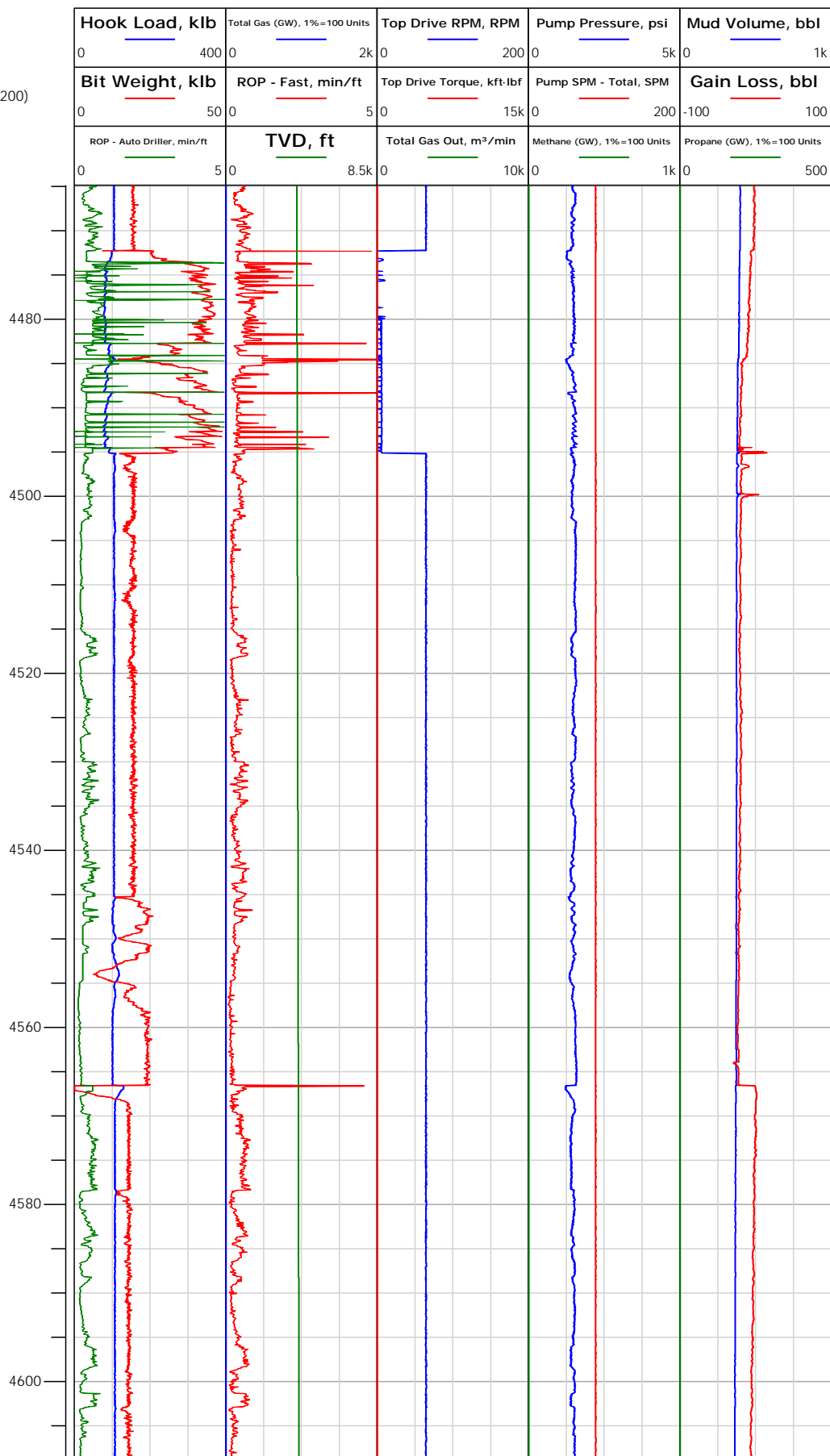
15:18

15:25

15:32

15:45

15:52



4472.20: Connection @
4472.20 ft

4507.00: Deviation Survey
4507.00 ft, Deviation 30.1
deg, Direction 125.6 deg

4566.66: Connection @
4566.66 ft

4601.00: Deviation Survey
4601.00 ft, Deviation 29.7
deg, Direction 125.1 deg



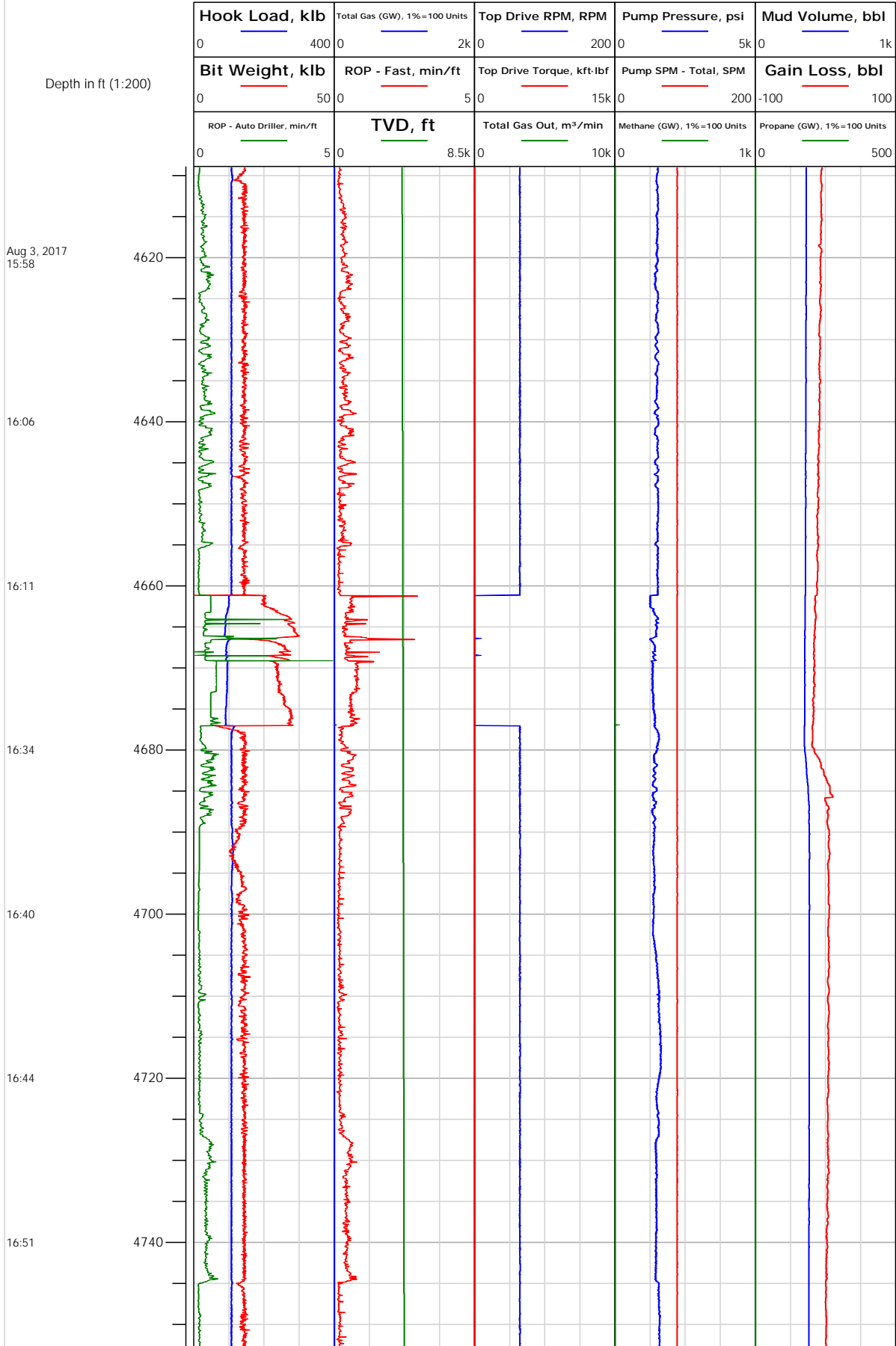
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





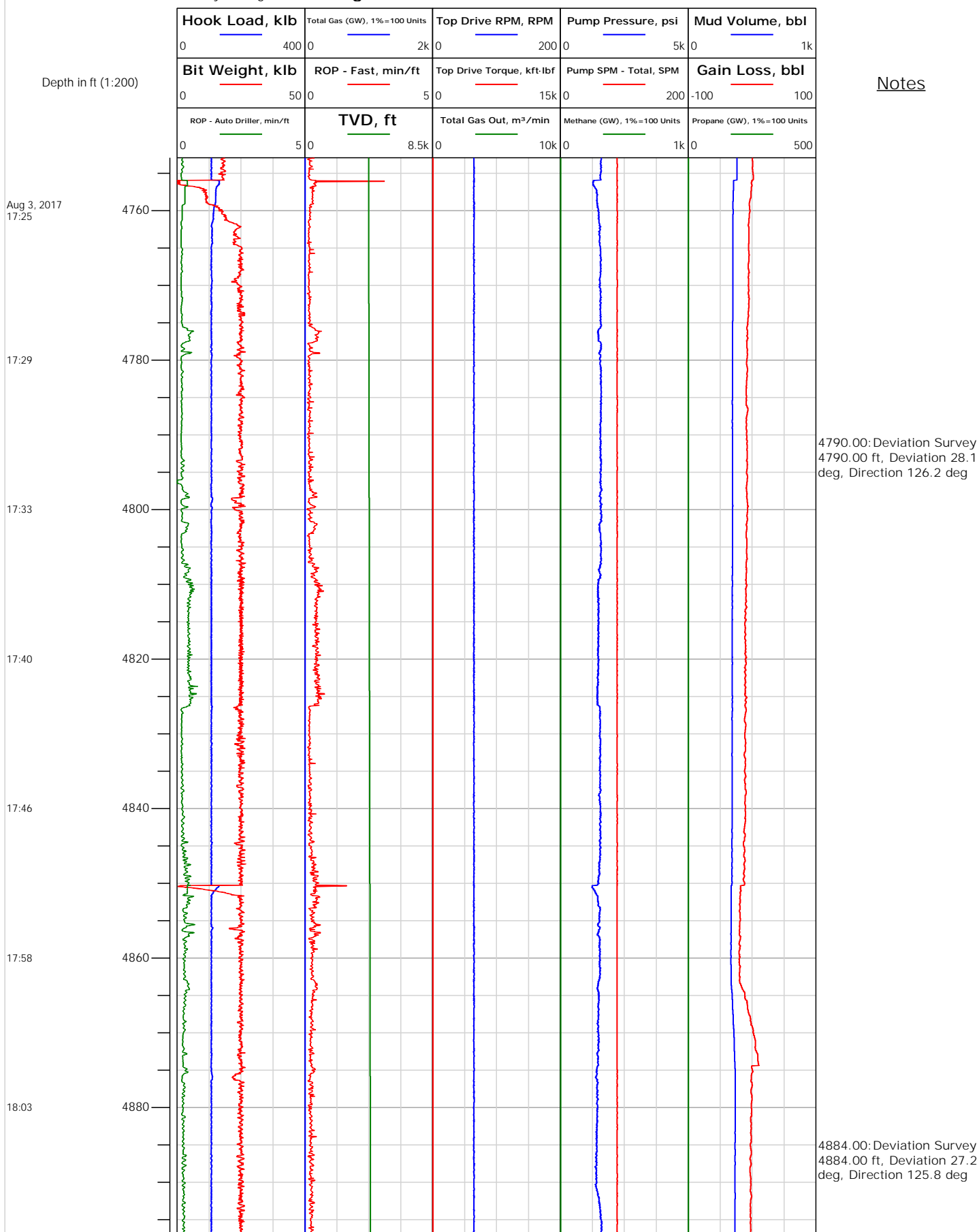
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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





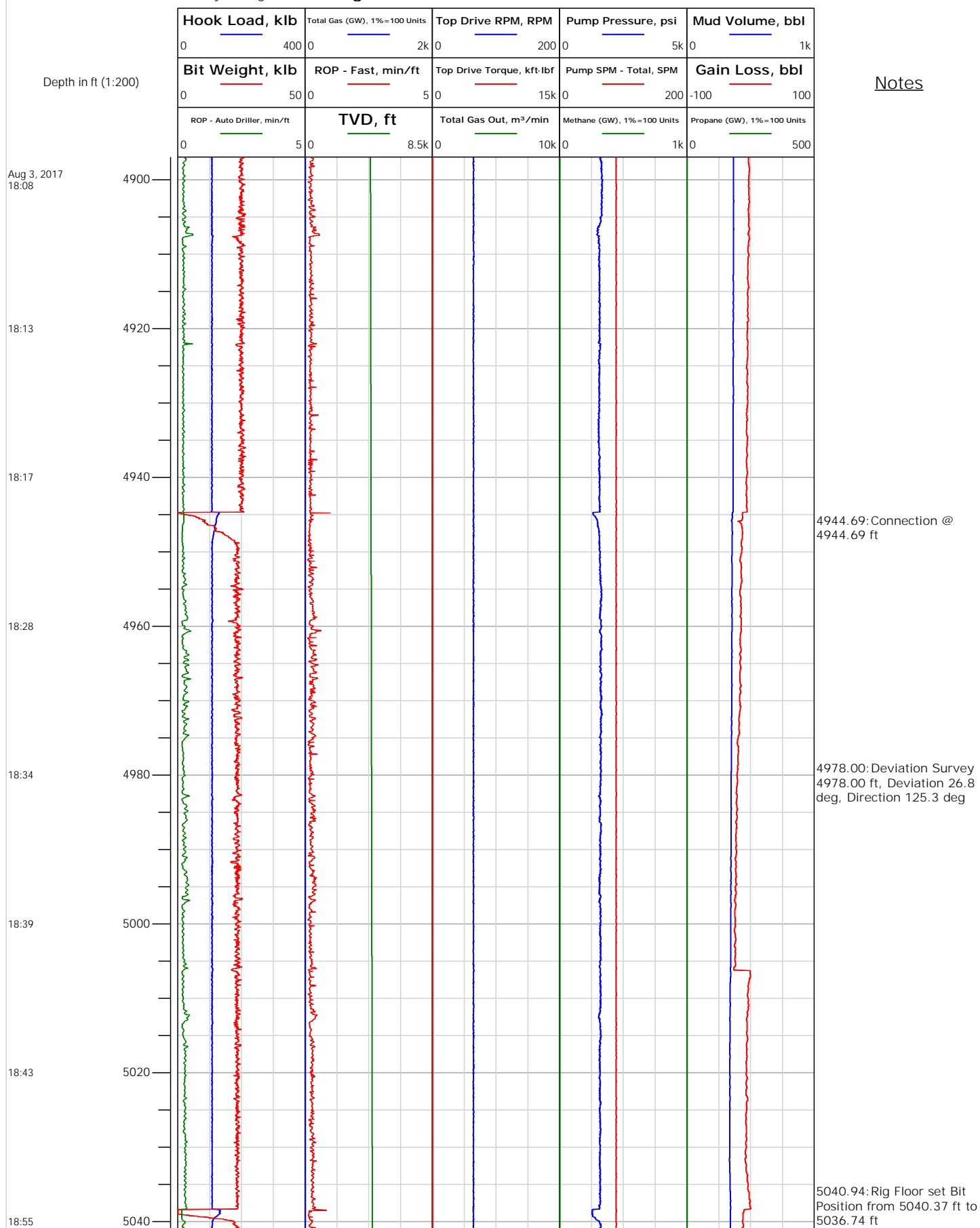
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





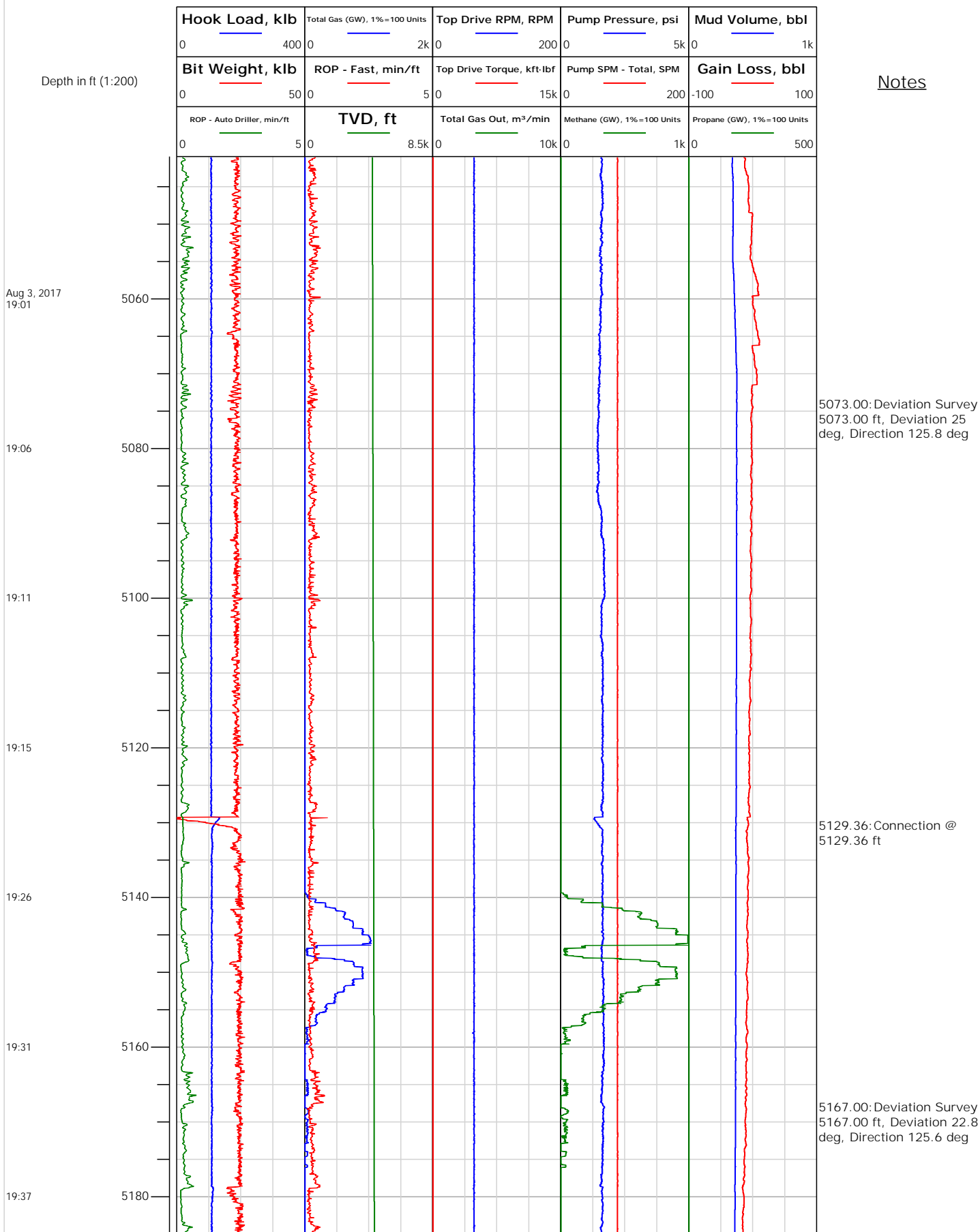
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





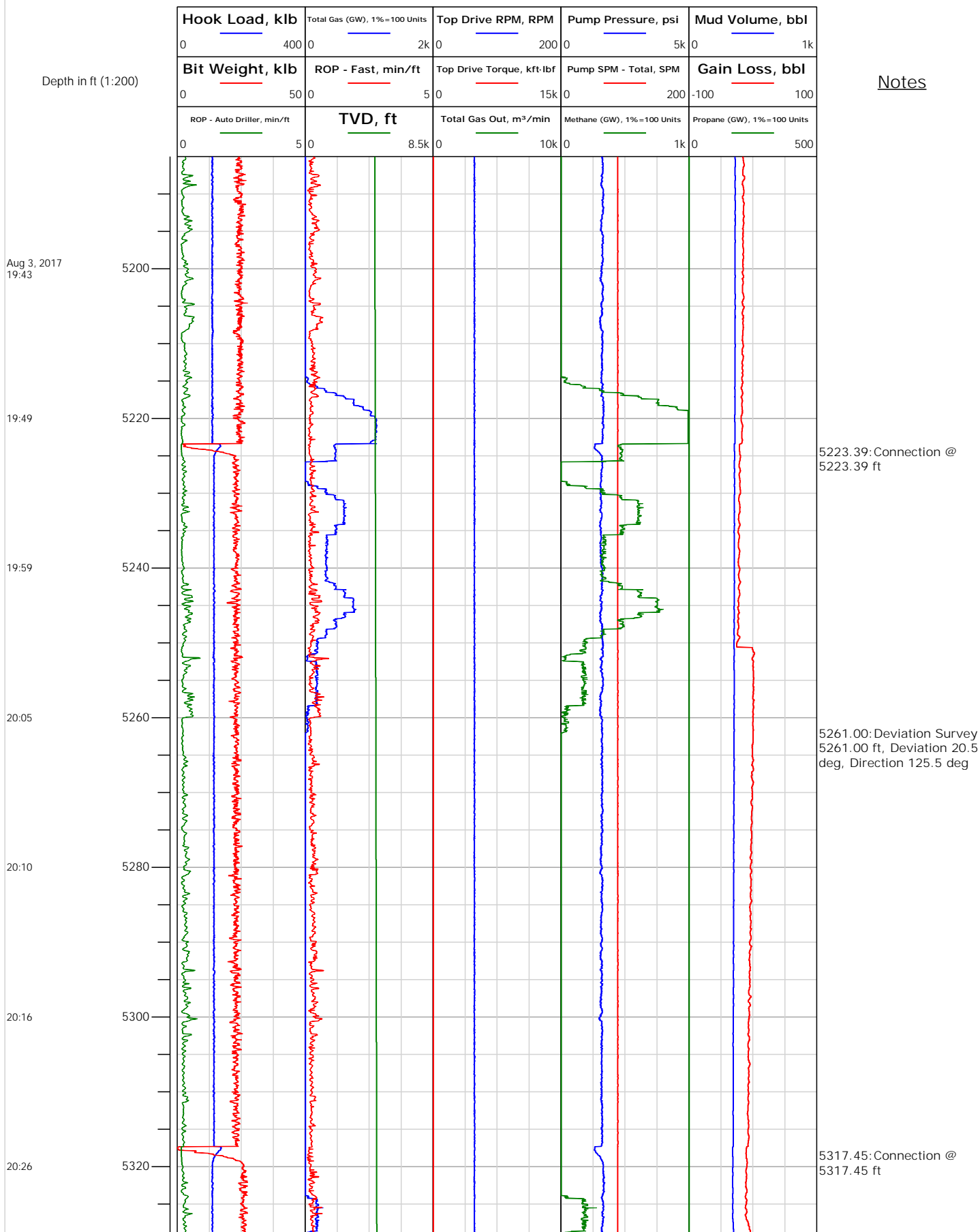
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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





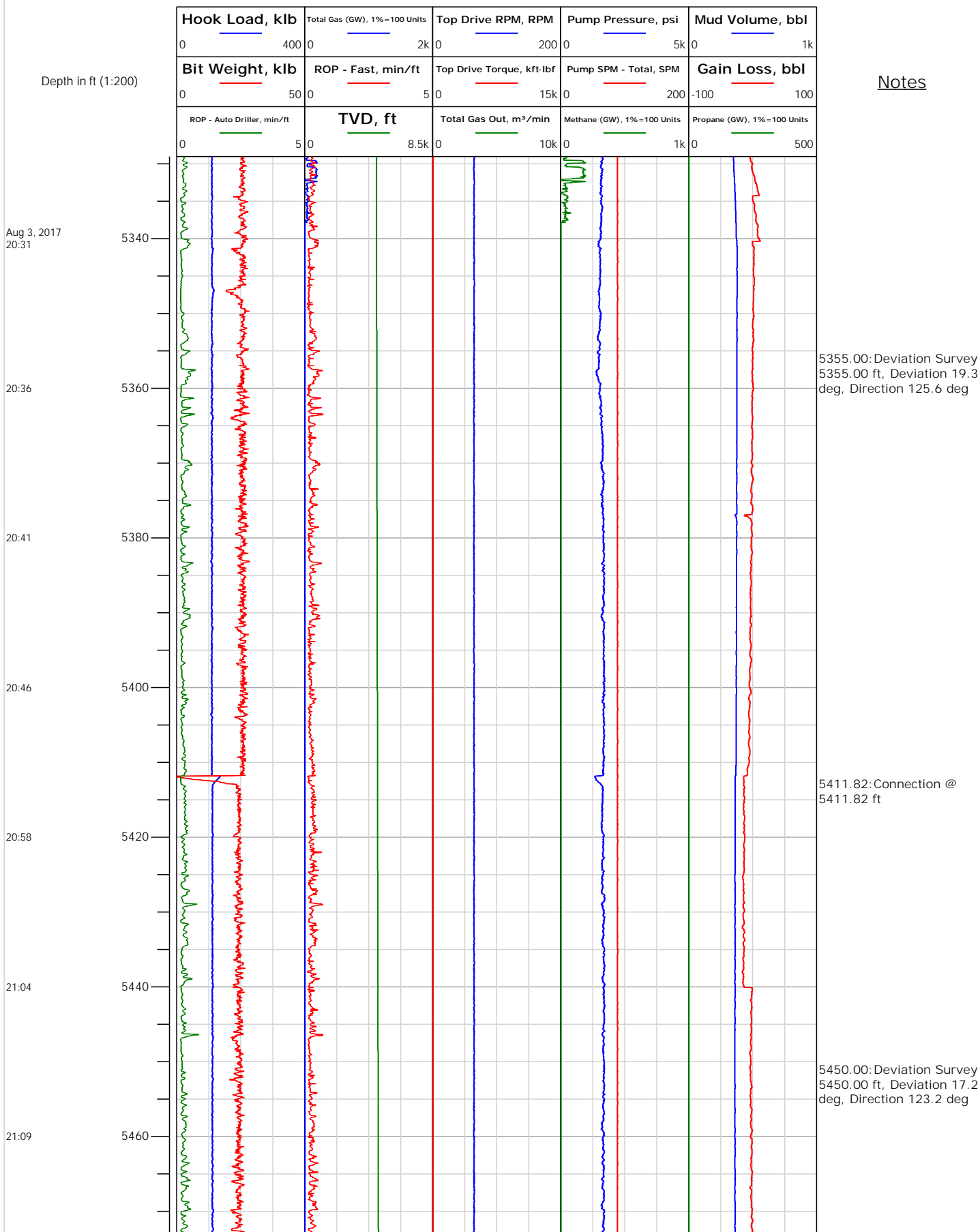
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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





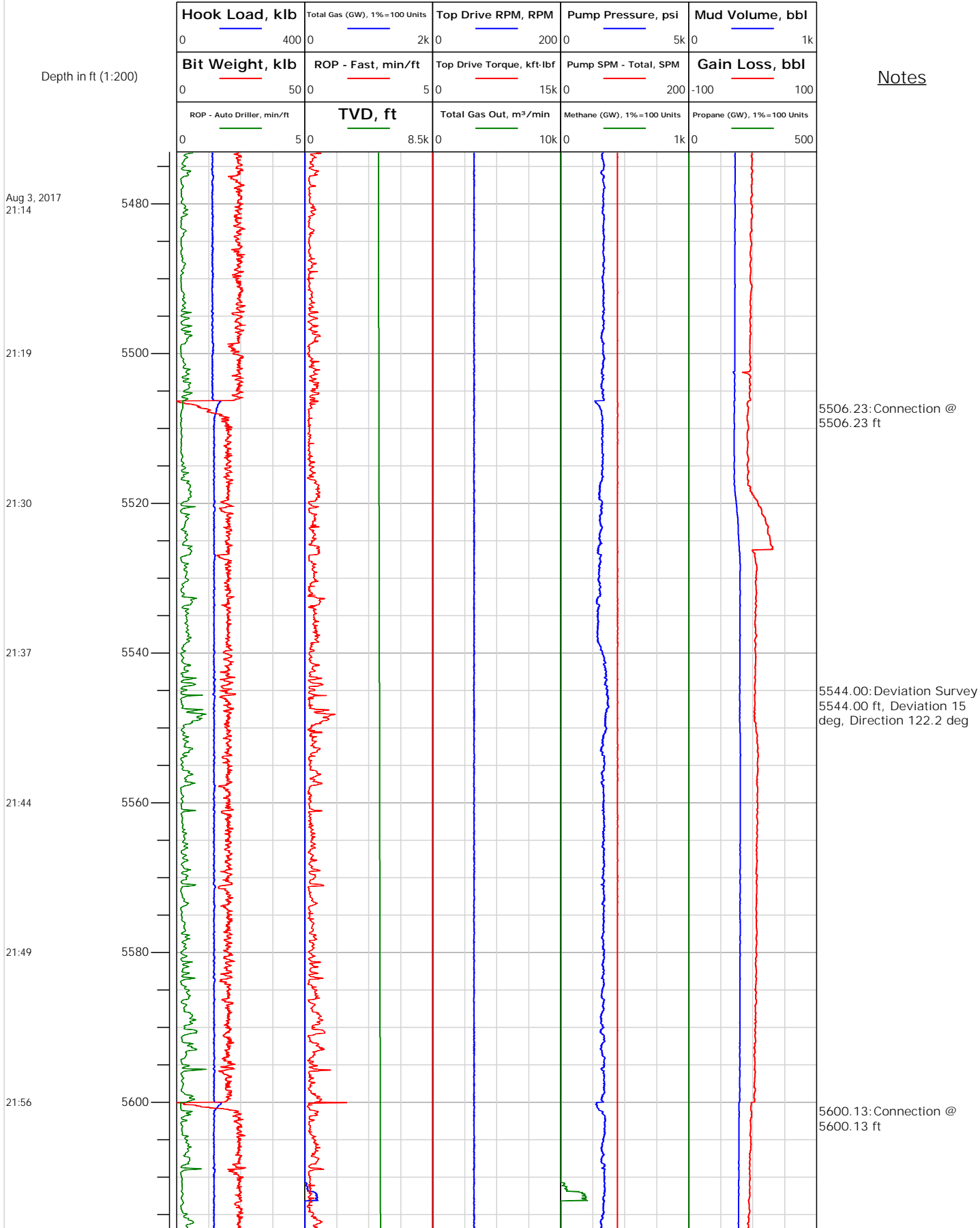
Electronic Drilling Recorder

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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





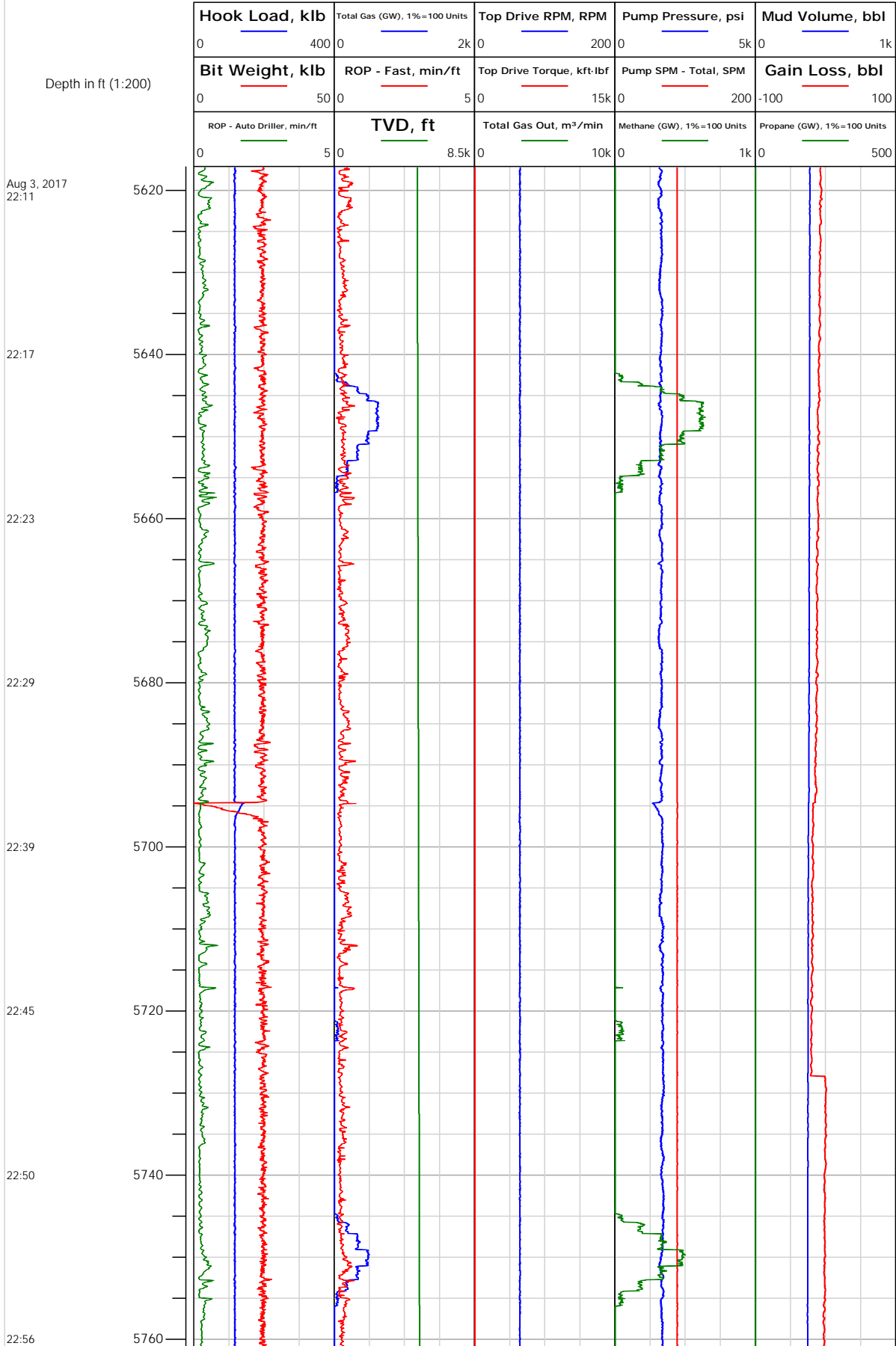
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





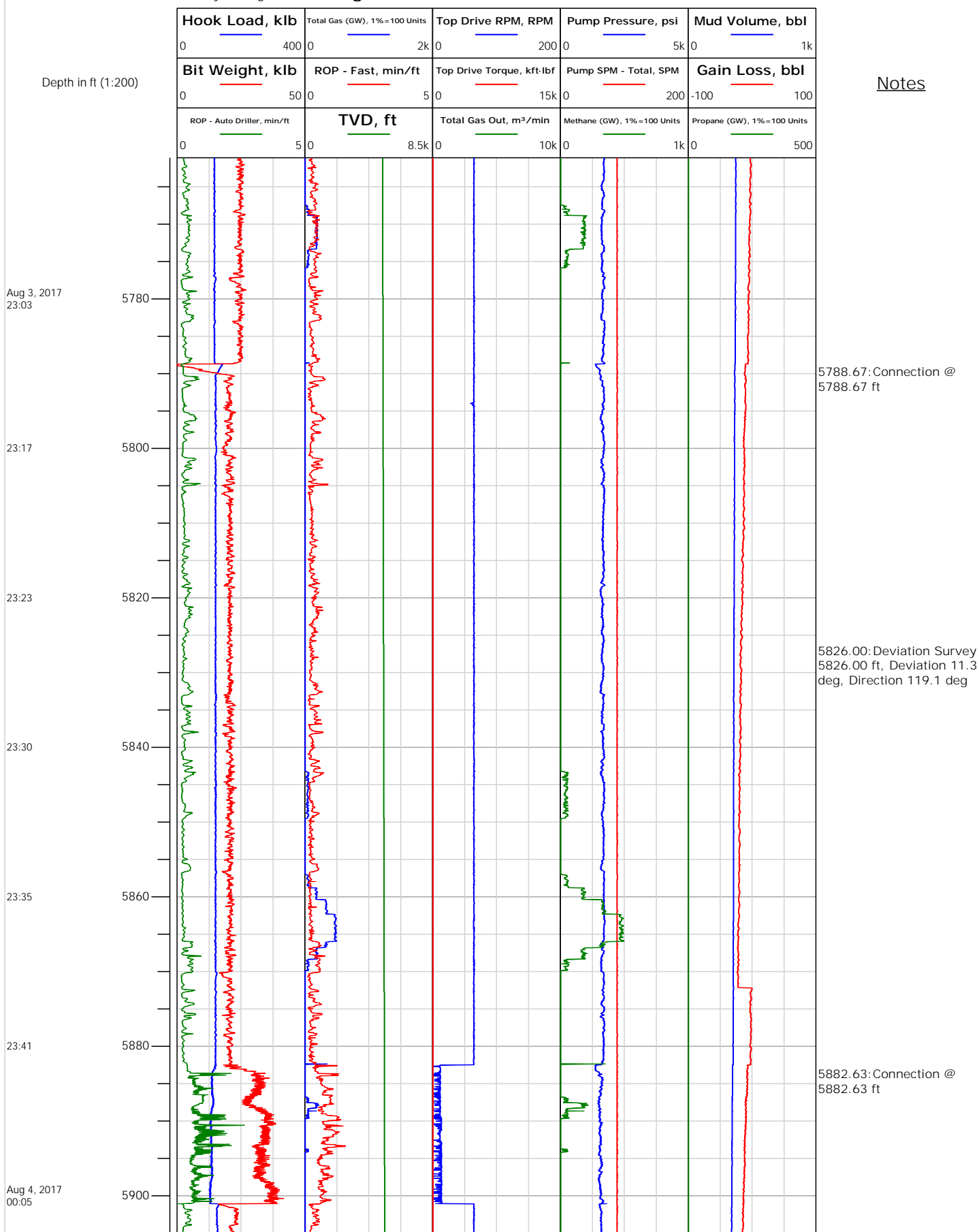
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





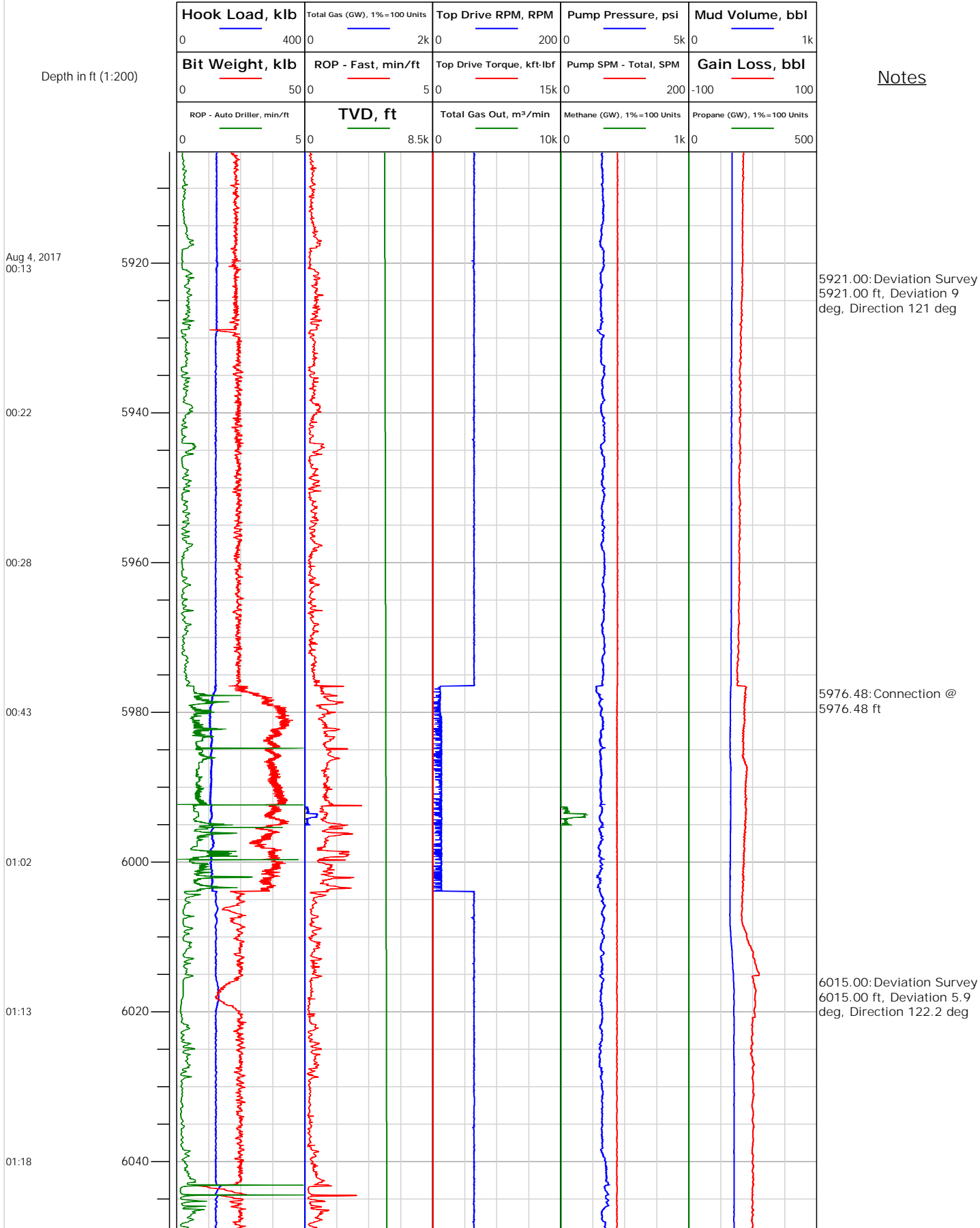
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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





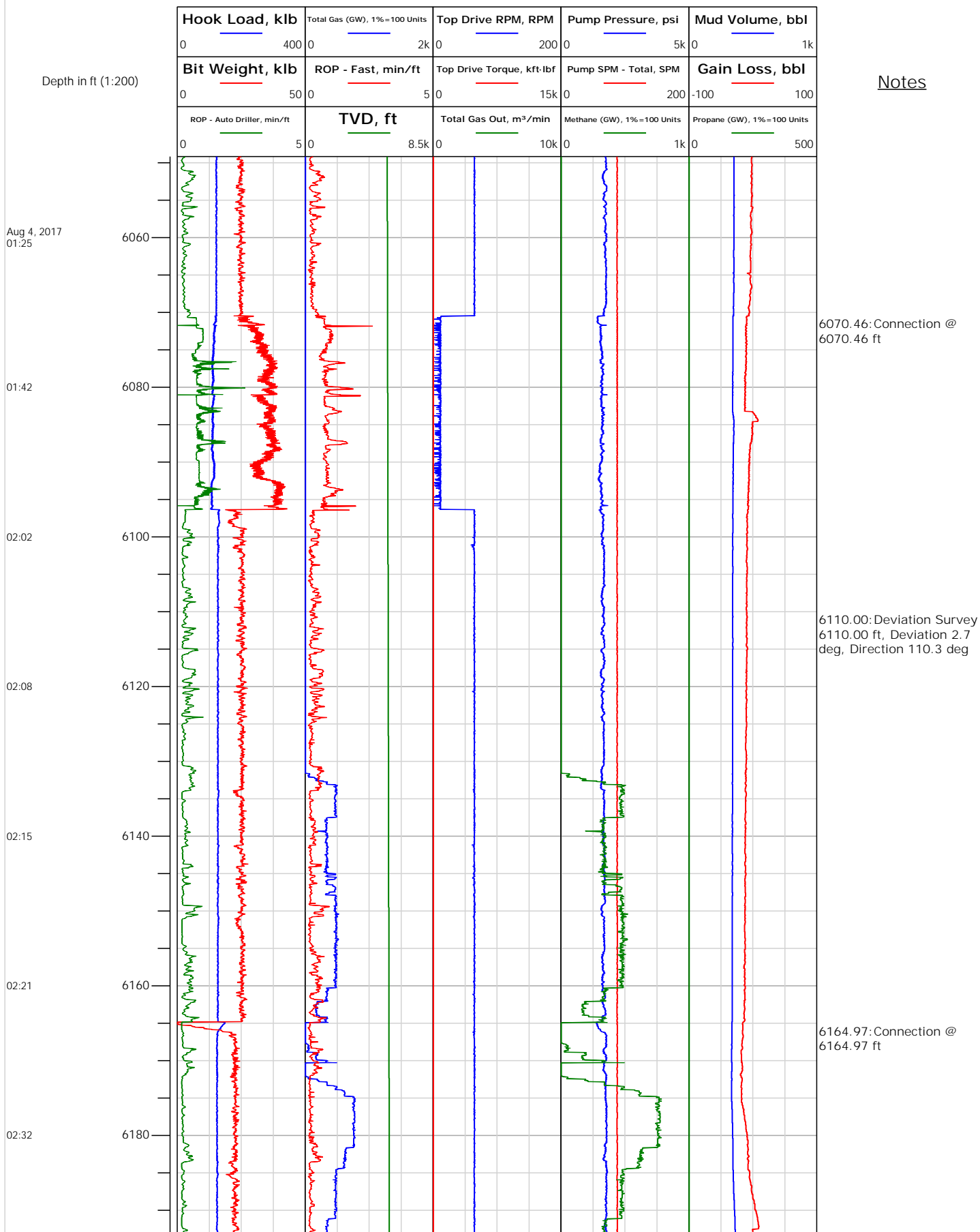
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





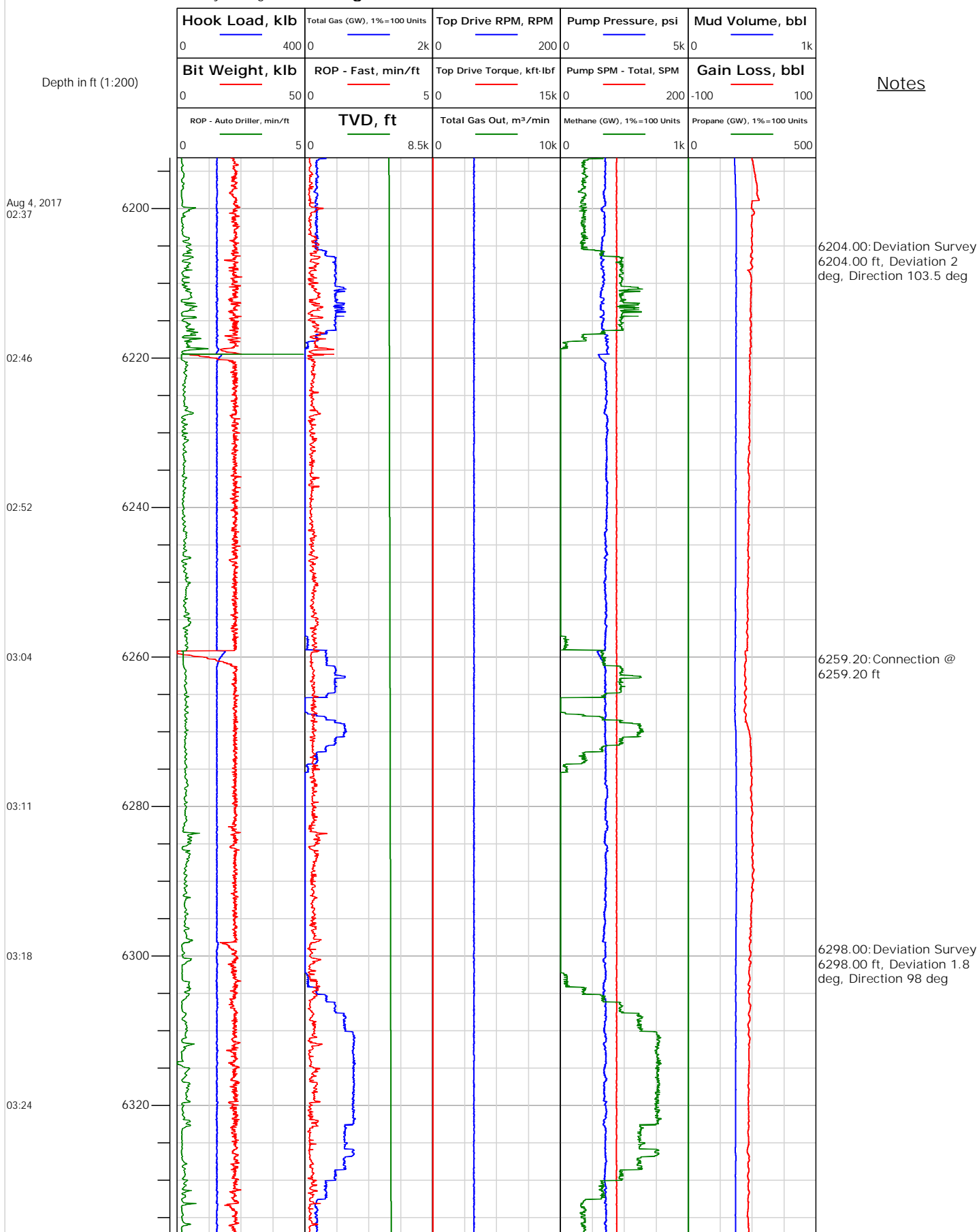
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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





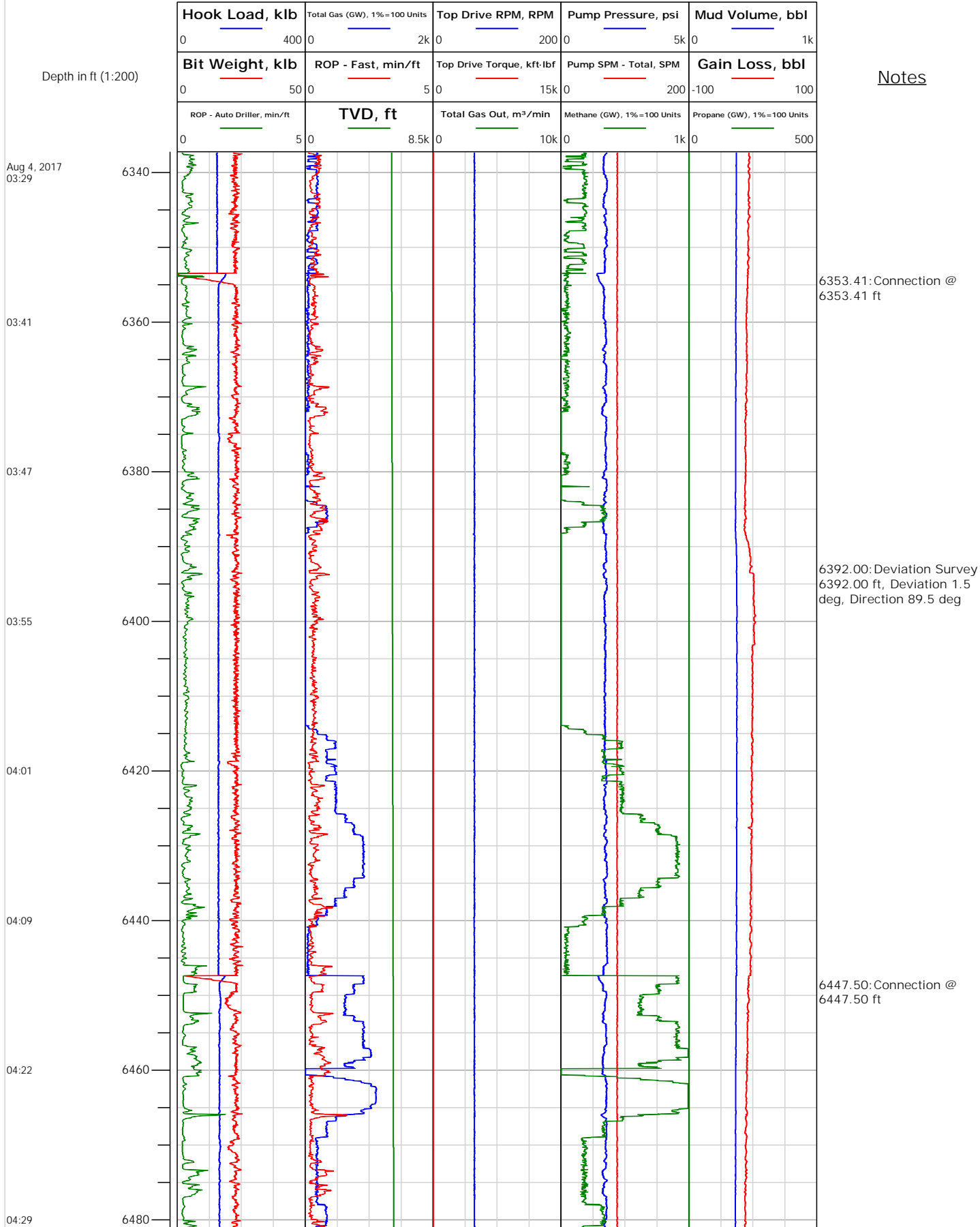
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





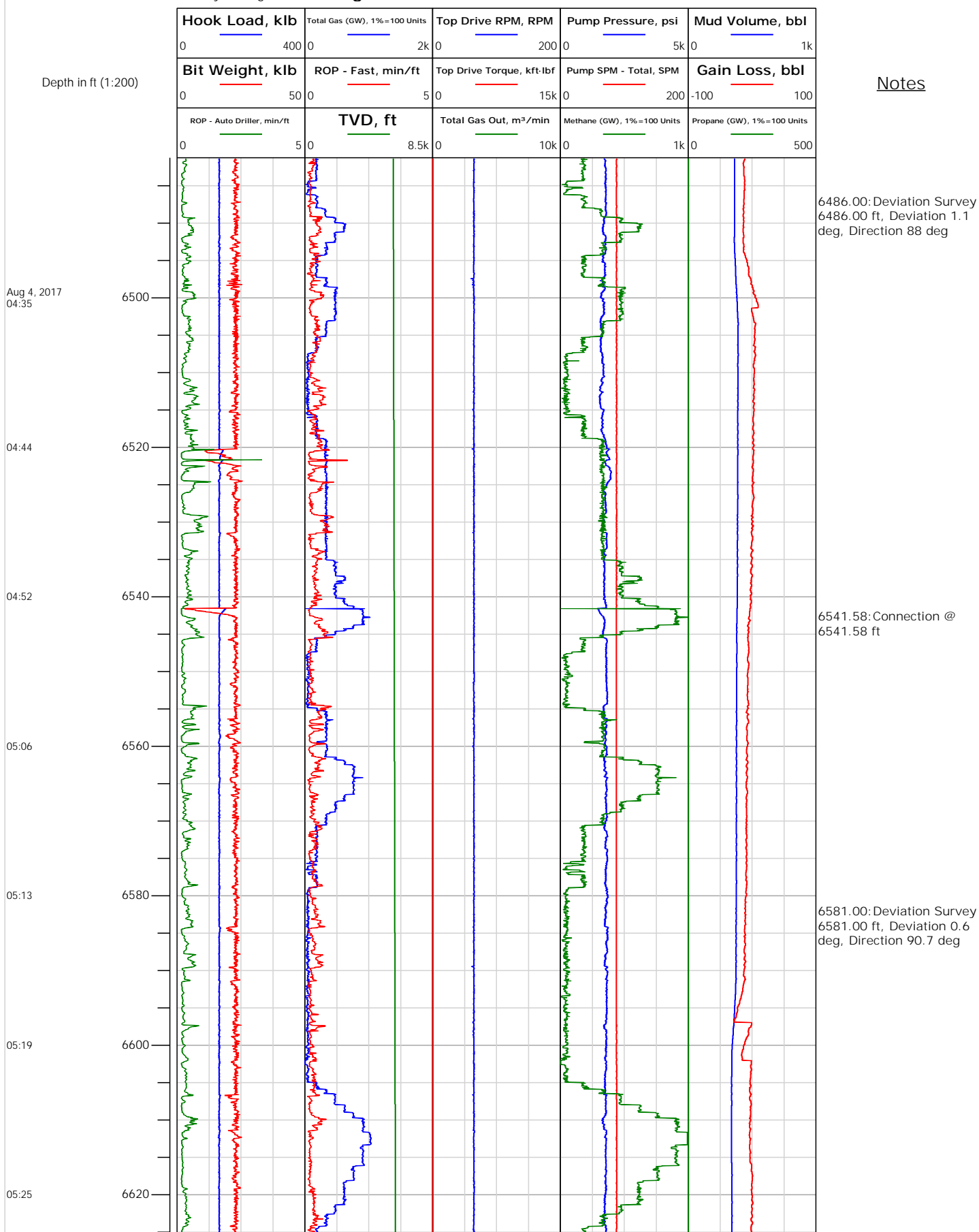
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Aug 4, 2017
05:36

05:43

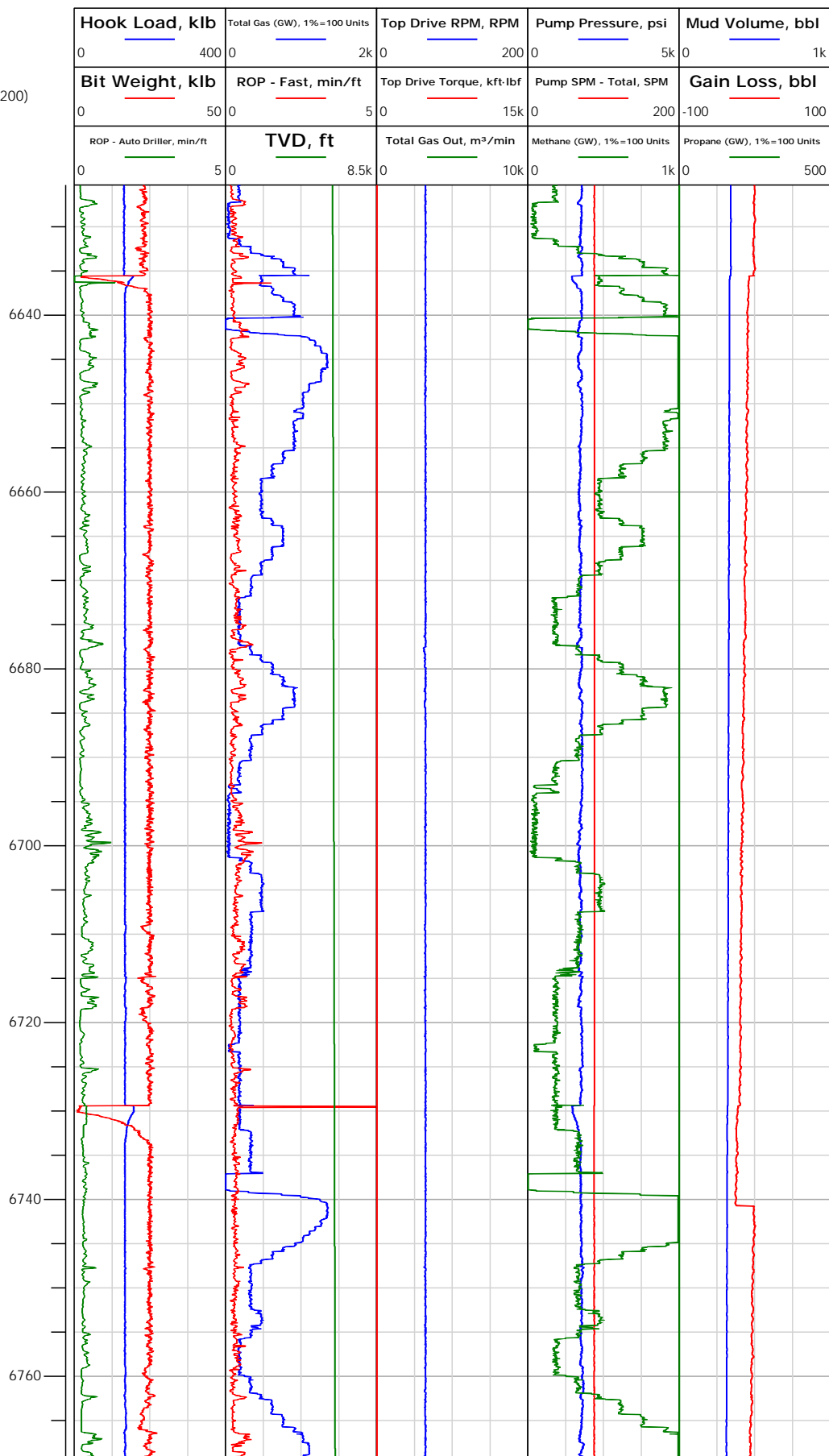
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05:57

06:05

06:16

06:23





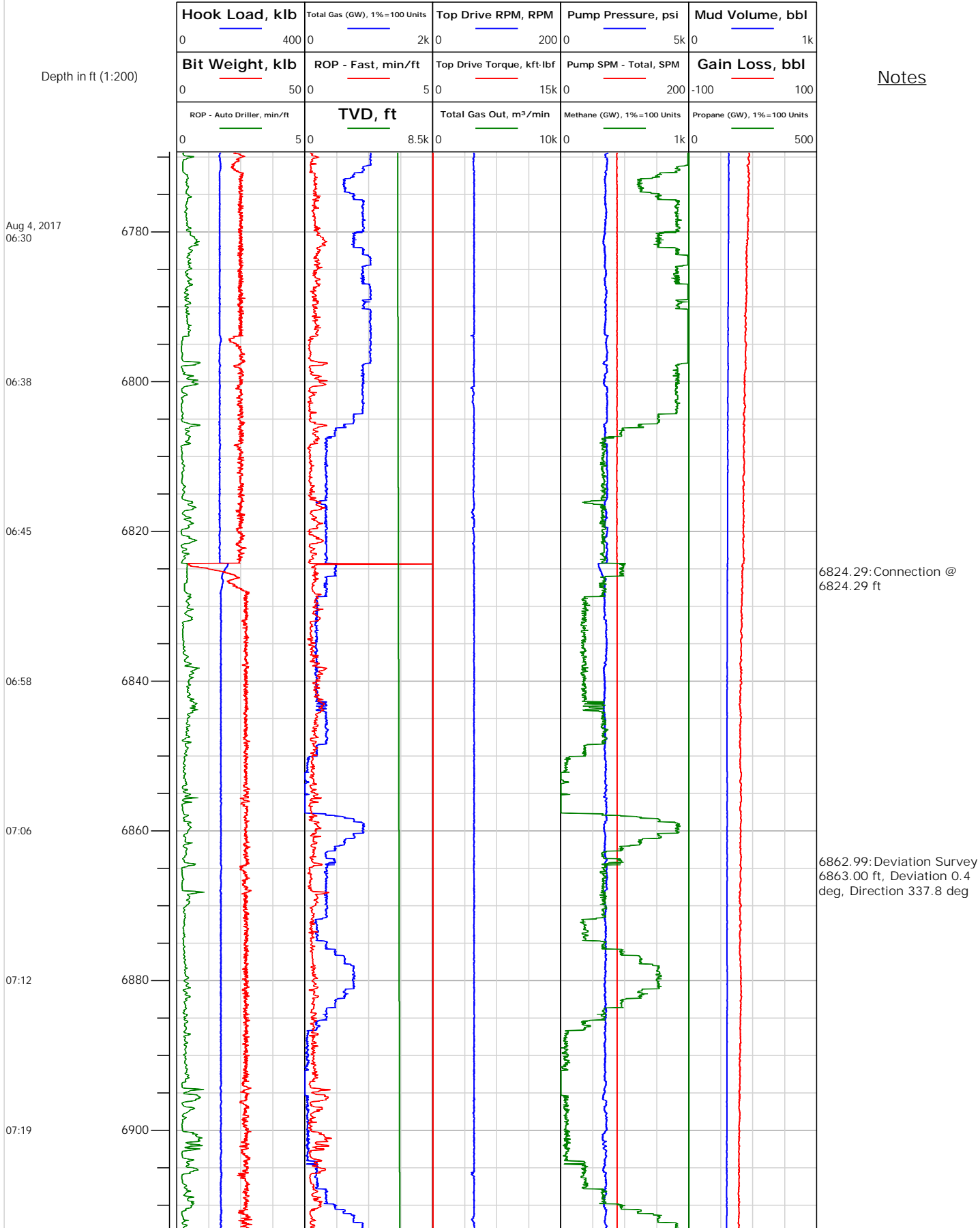
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





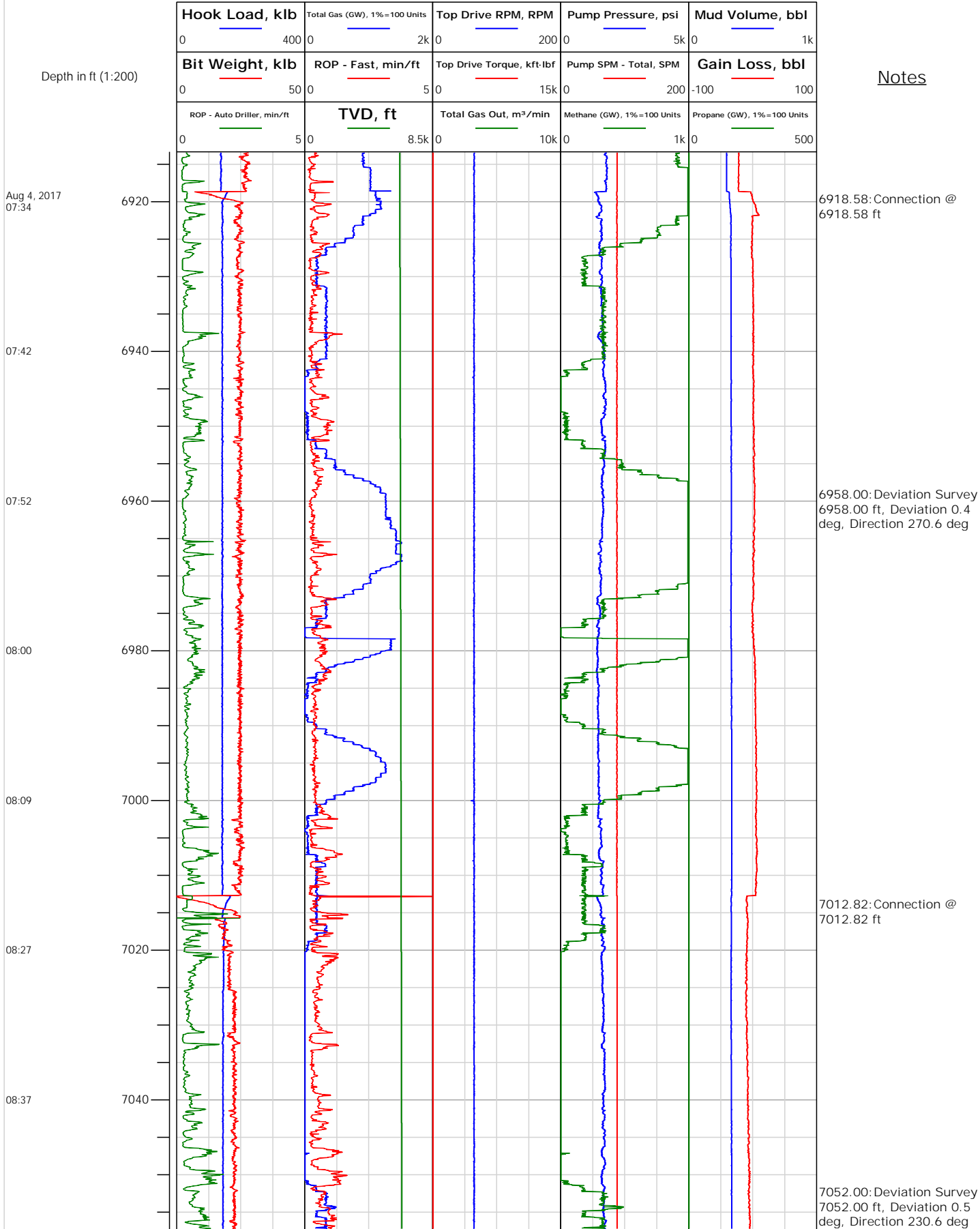
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





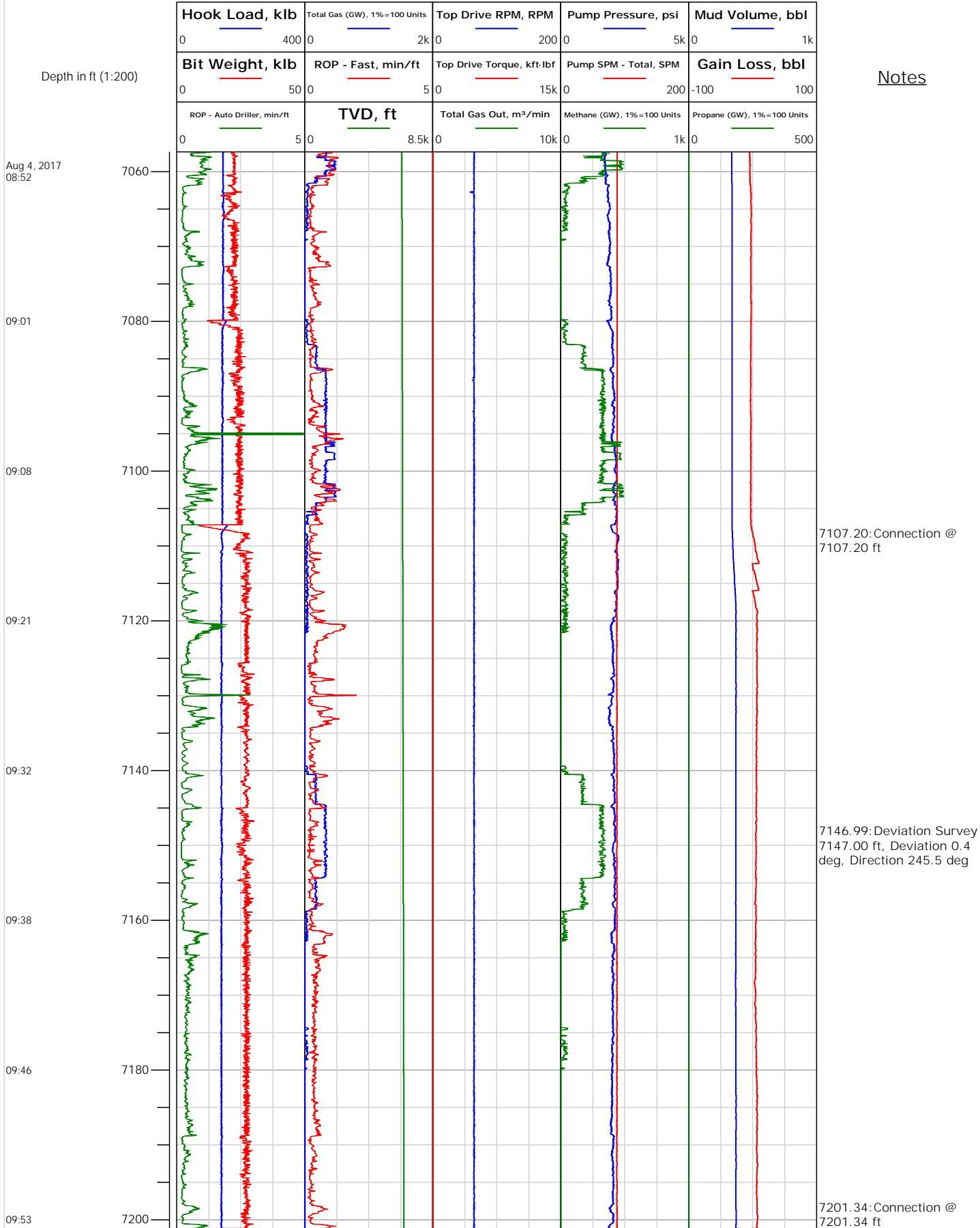
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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





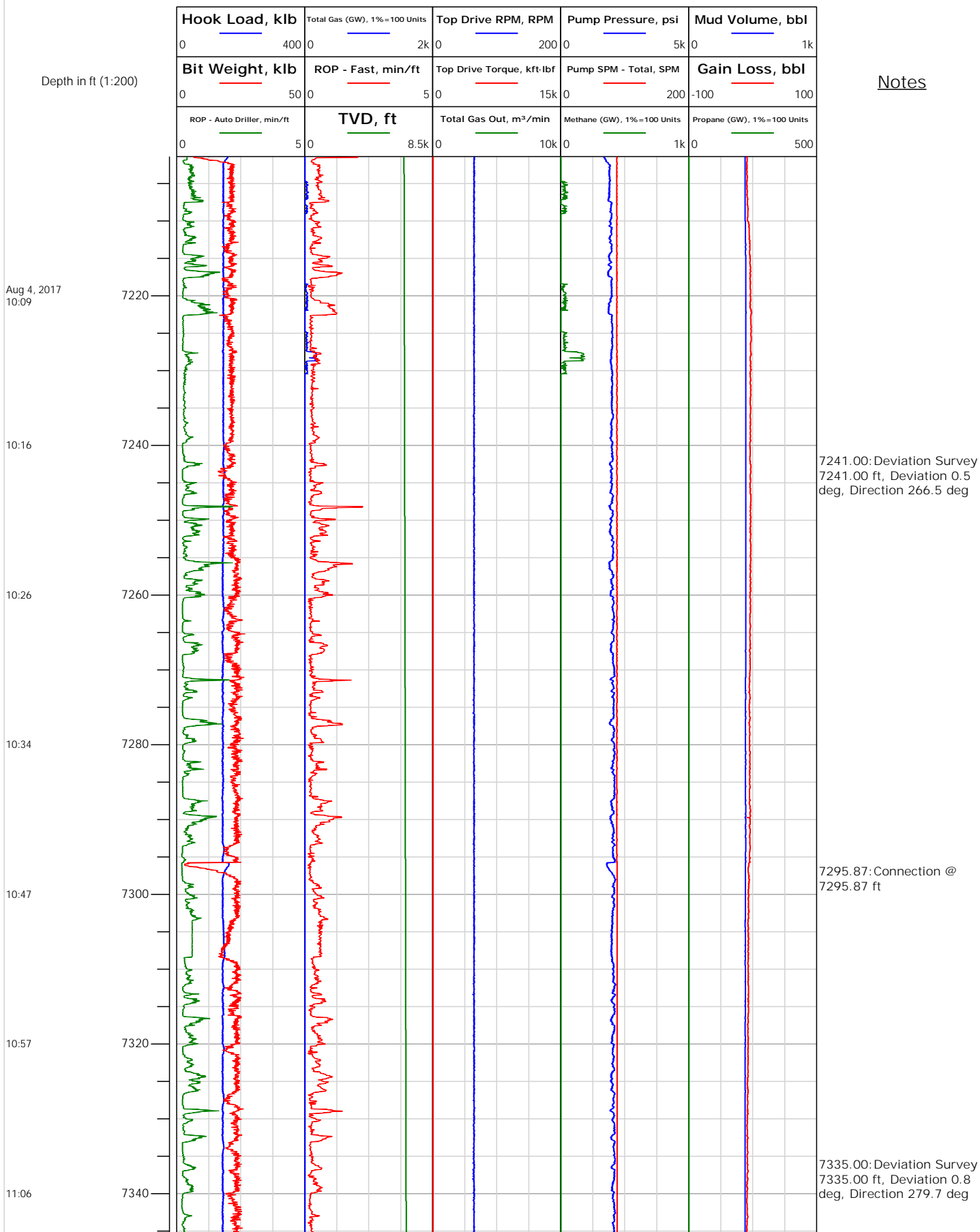
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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





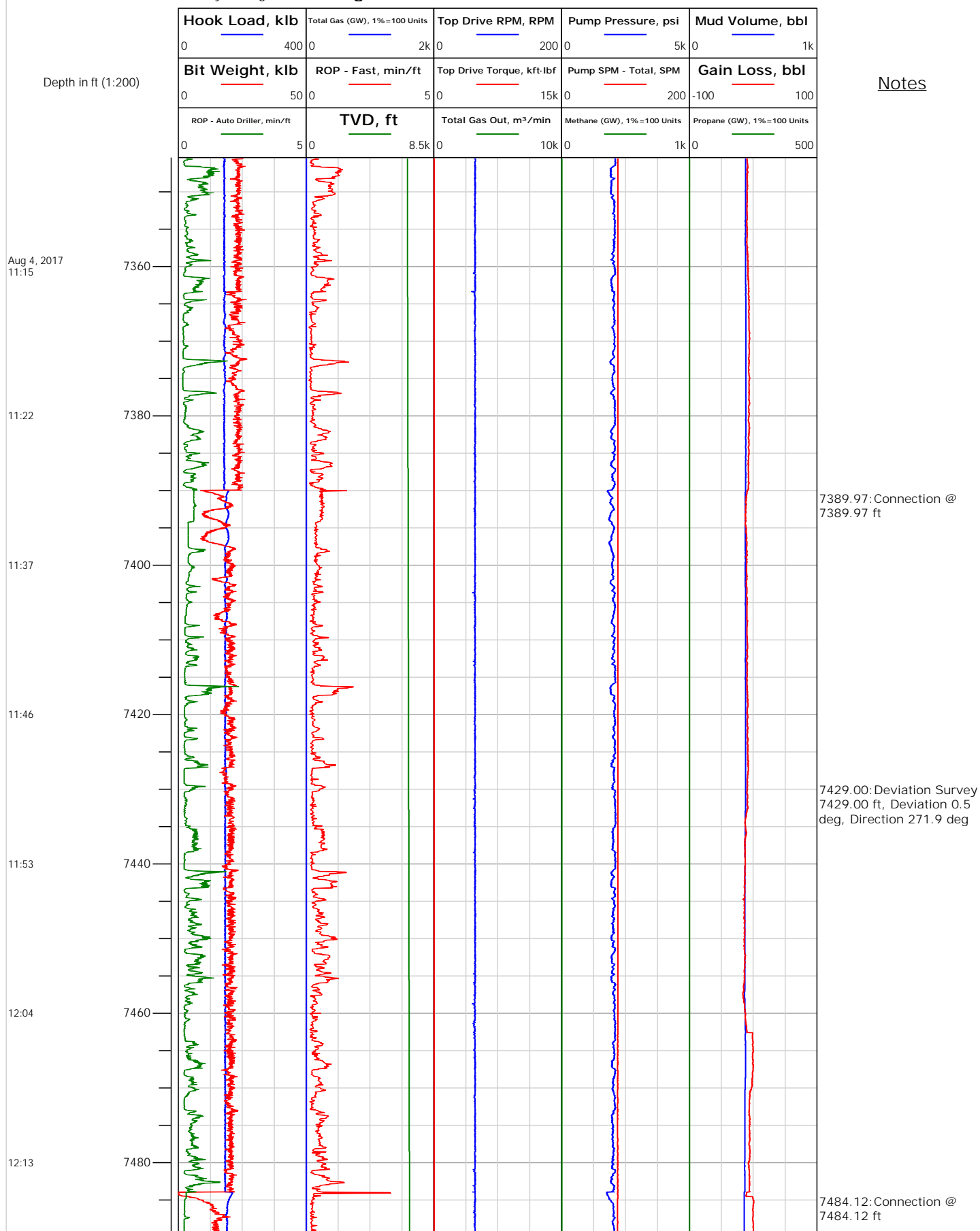
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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





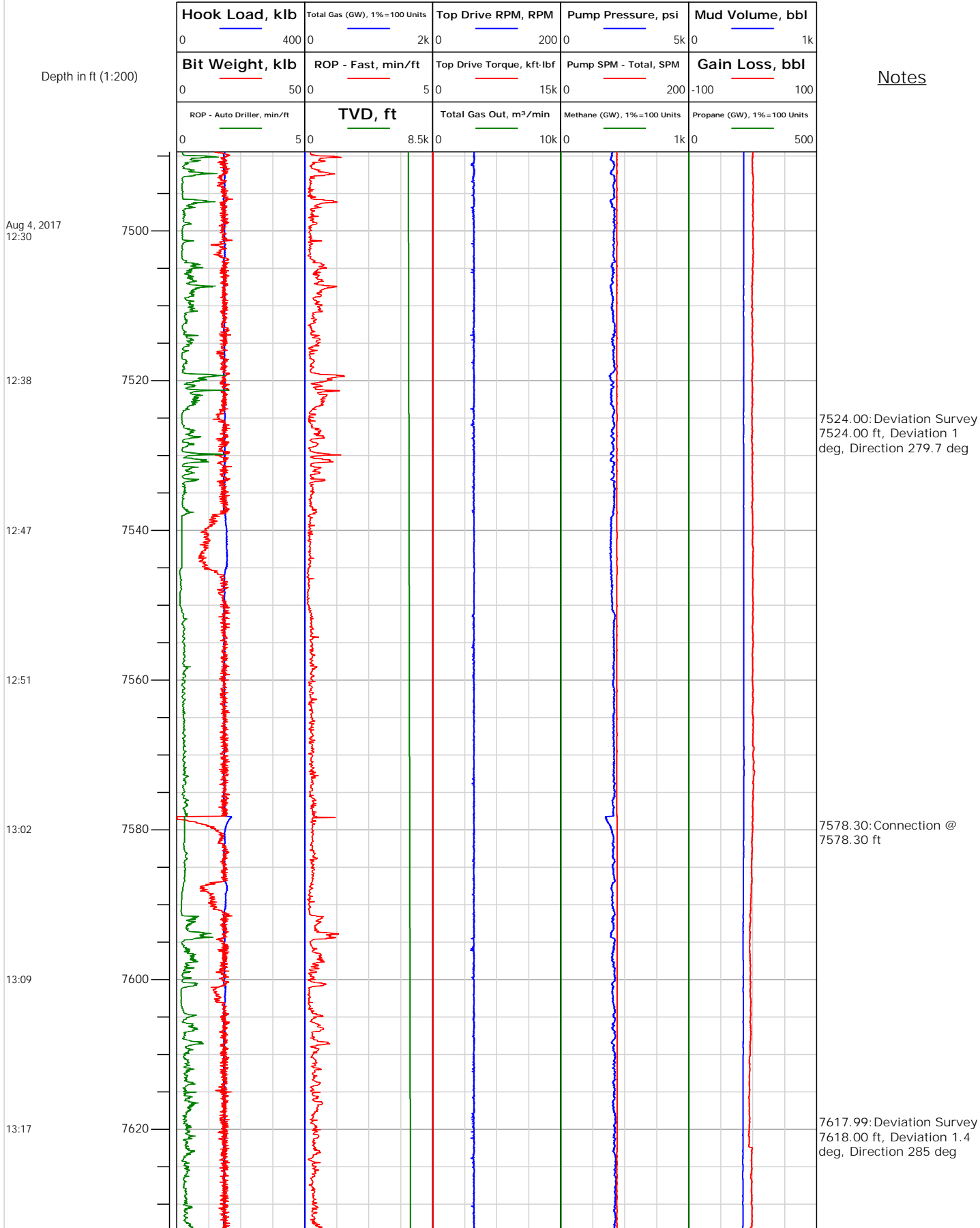
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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





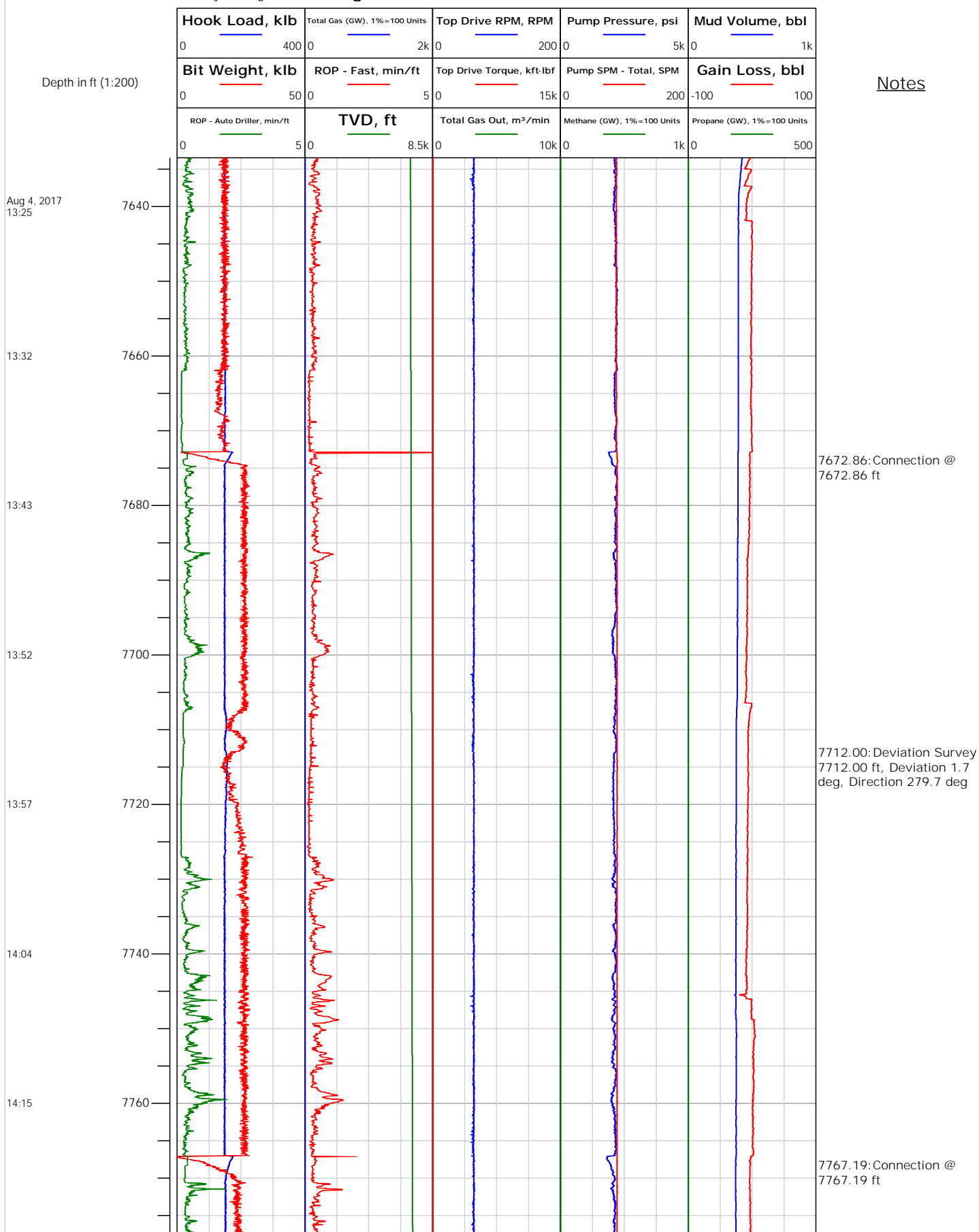
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Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





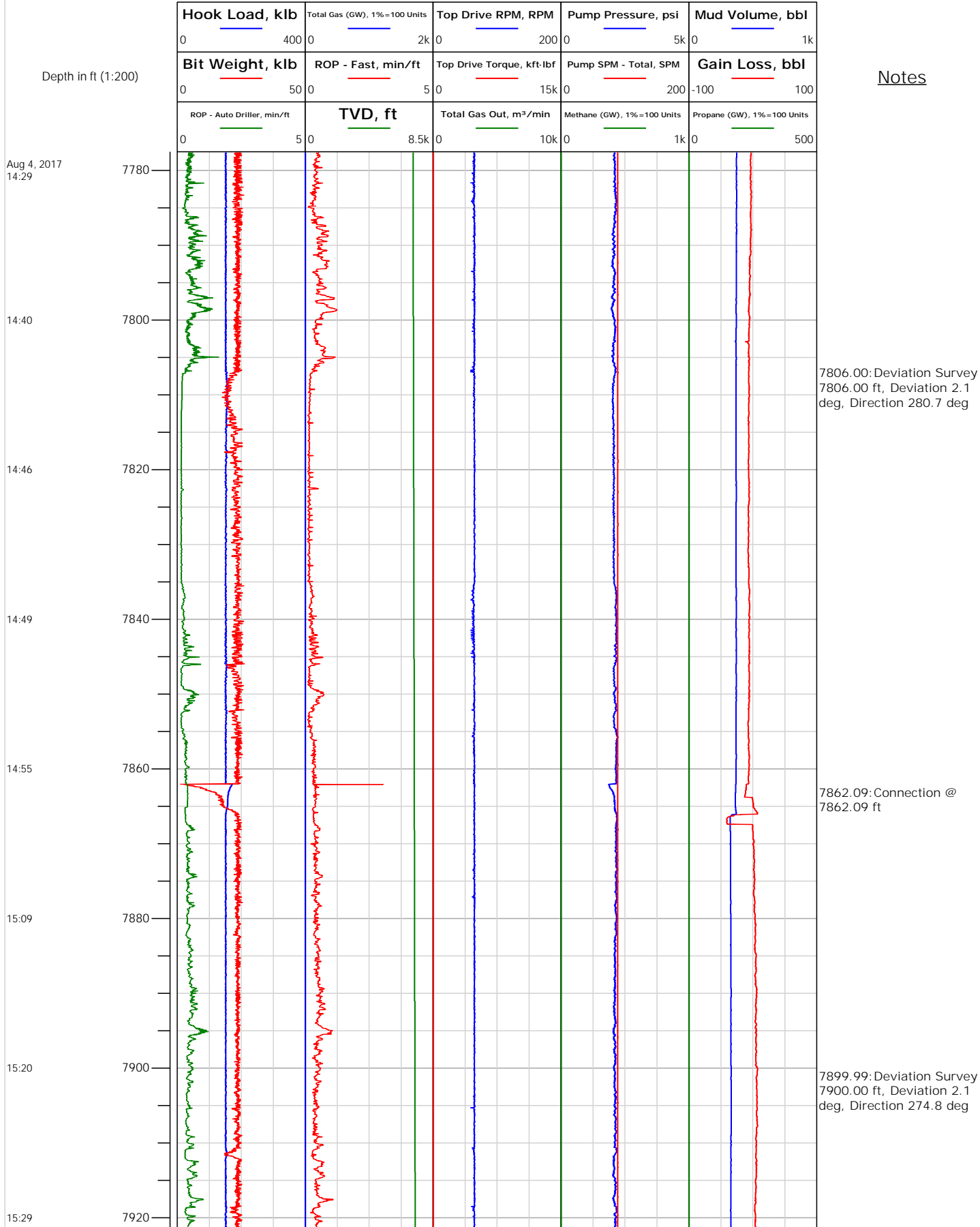
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes





Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Aug 4, 2017
15:37

15:53

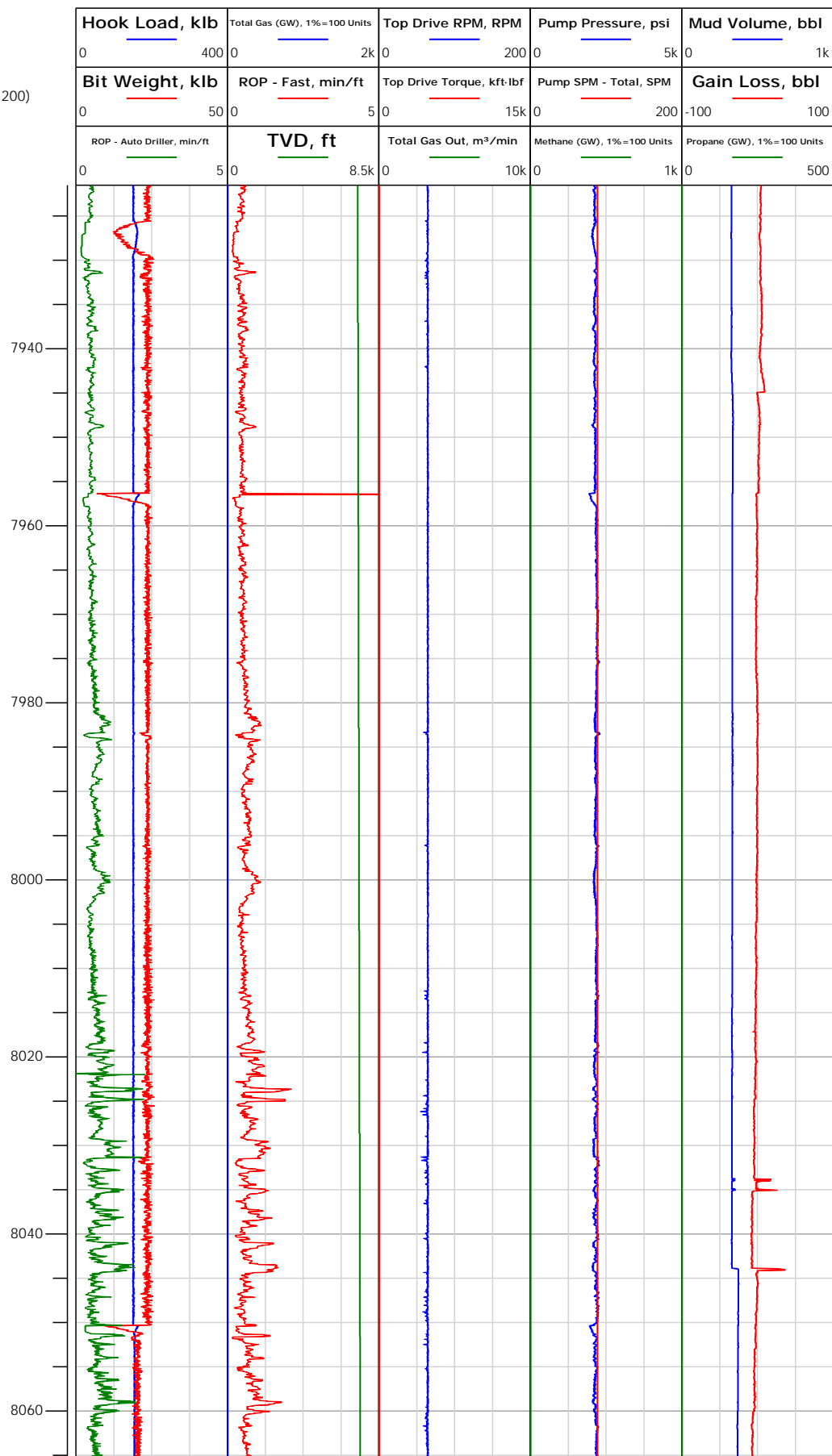
16:03

16:17

16:29

16:45

17:06





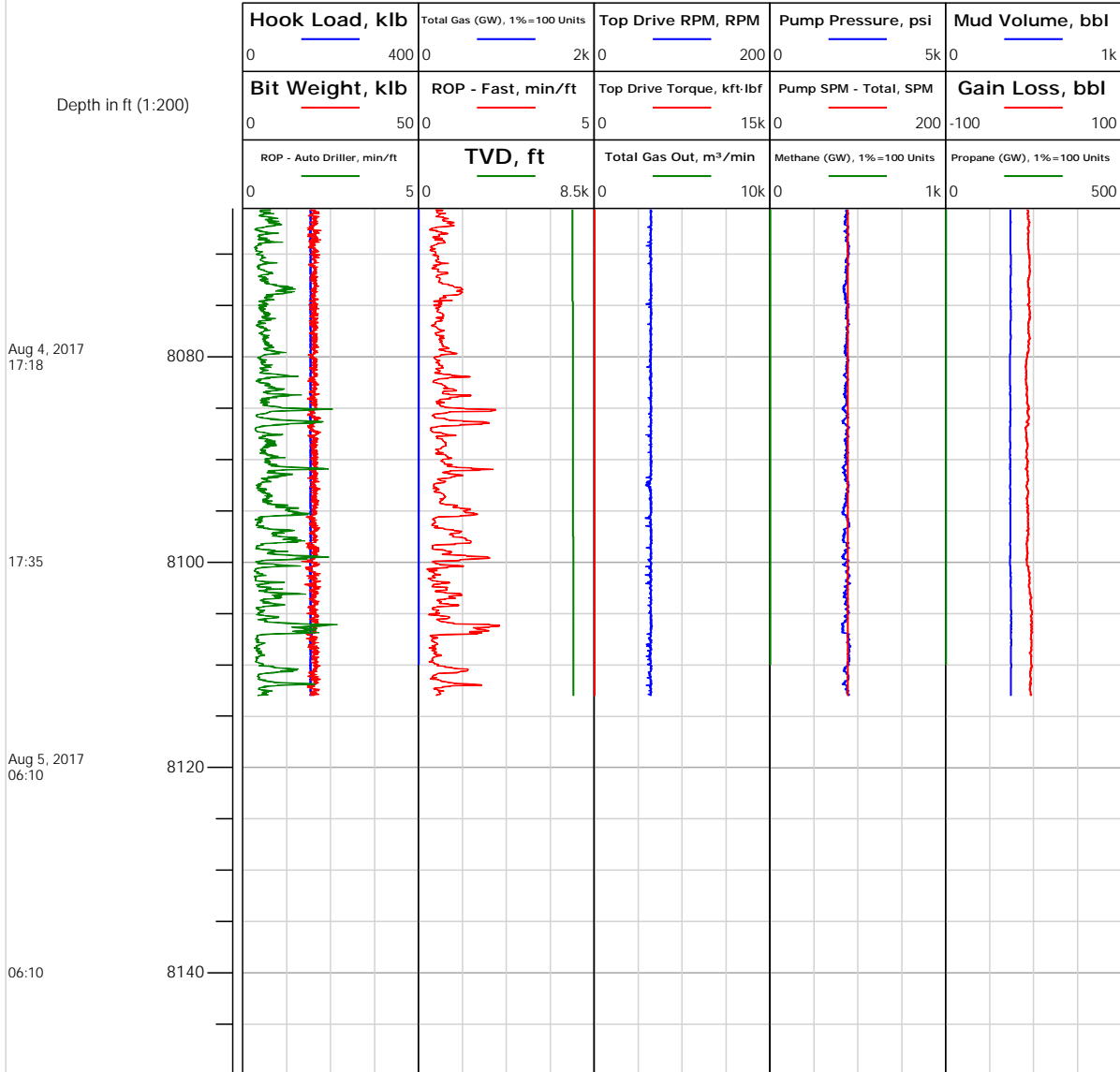
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: GUNDERSON BCU 20-10E
Rig: 522

Location:

Notes



8113.06: Rig Floor set Bit Position from 407.99 ft to 935.00 ft
 8113.06: Rig Floor set Bit Position from 7957.56 ft to 7676.00 ft