

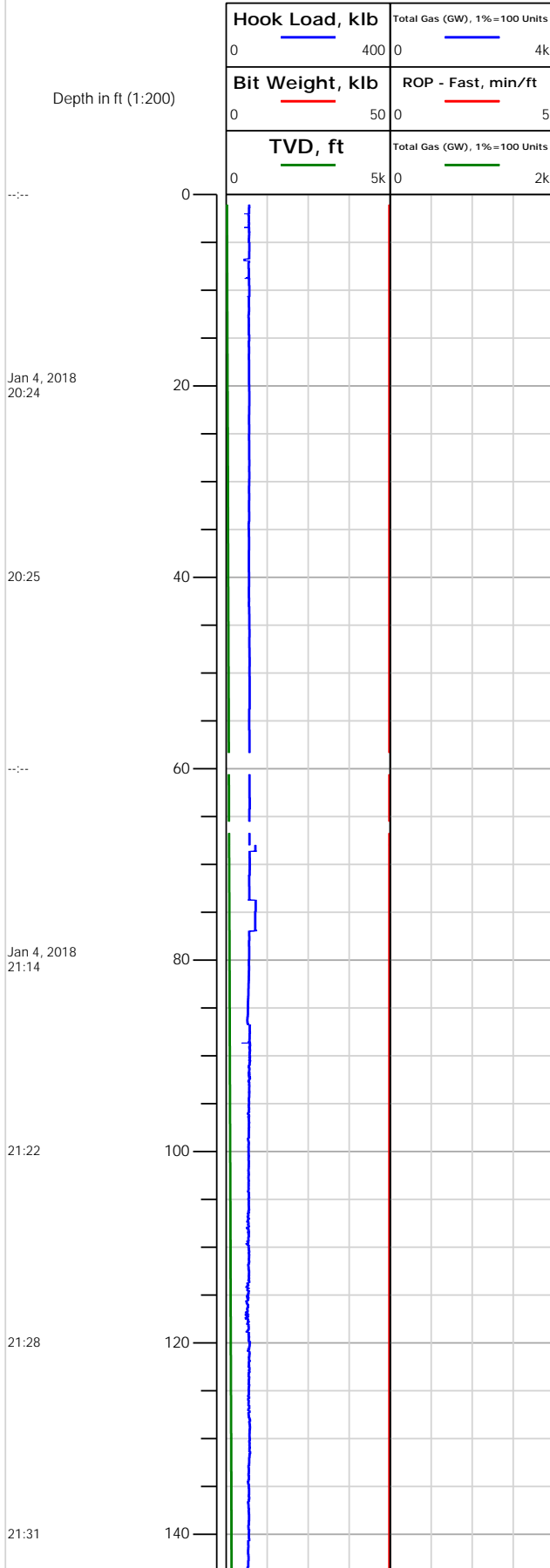


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:



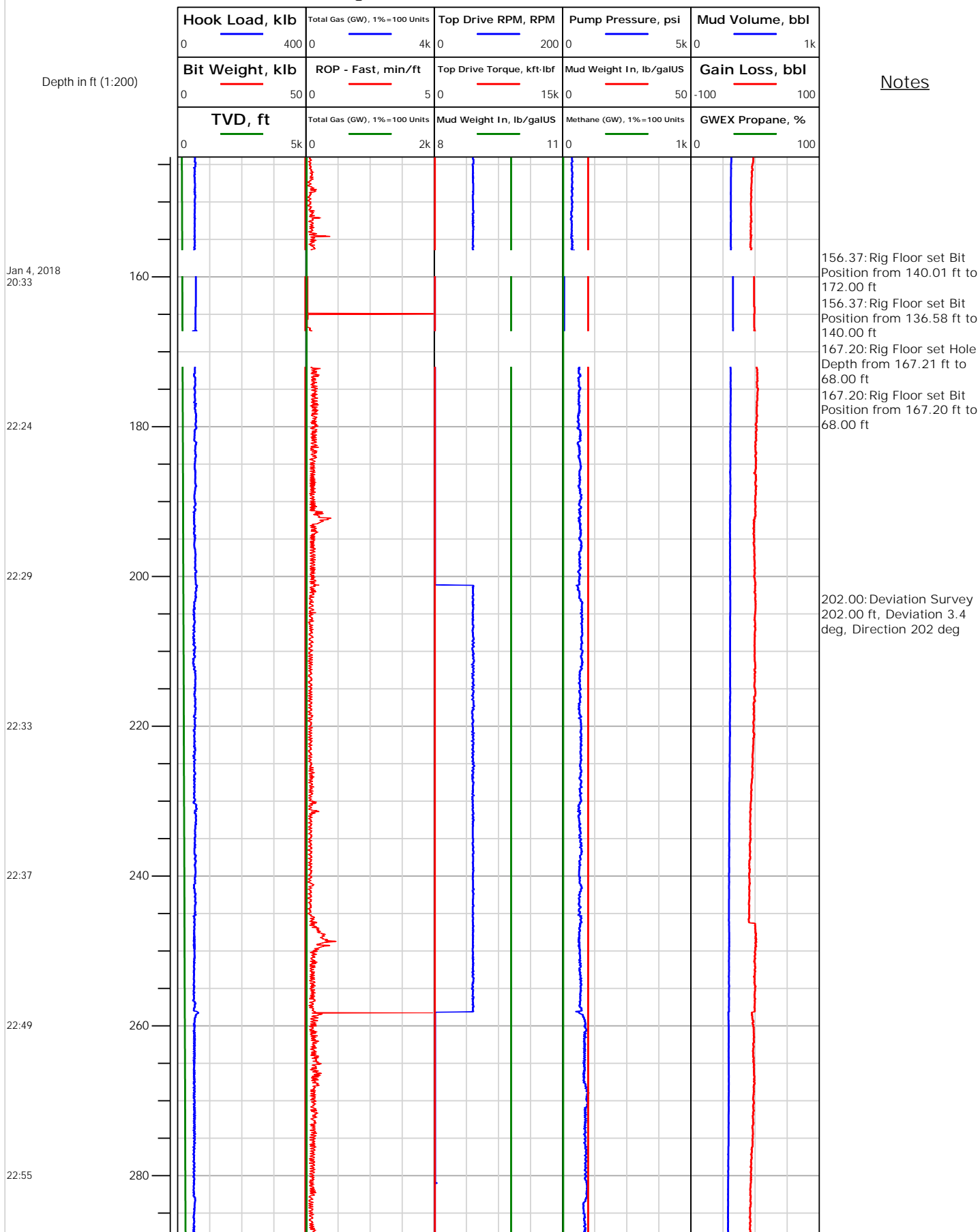


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:





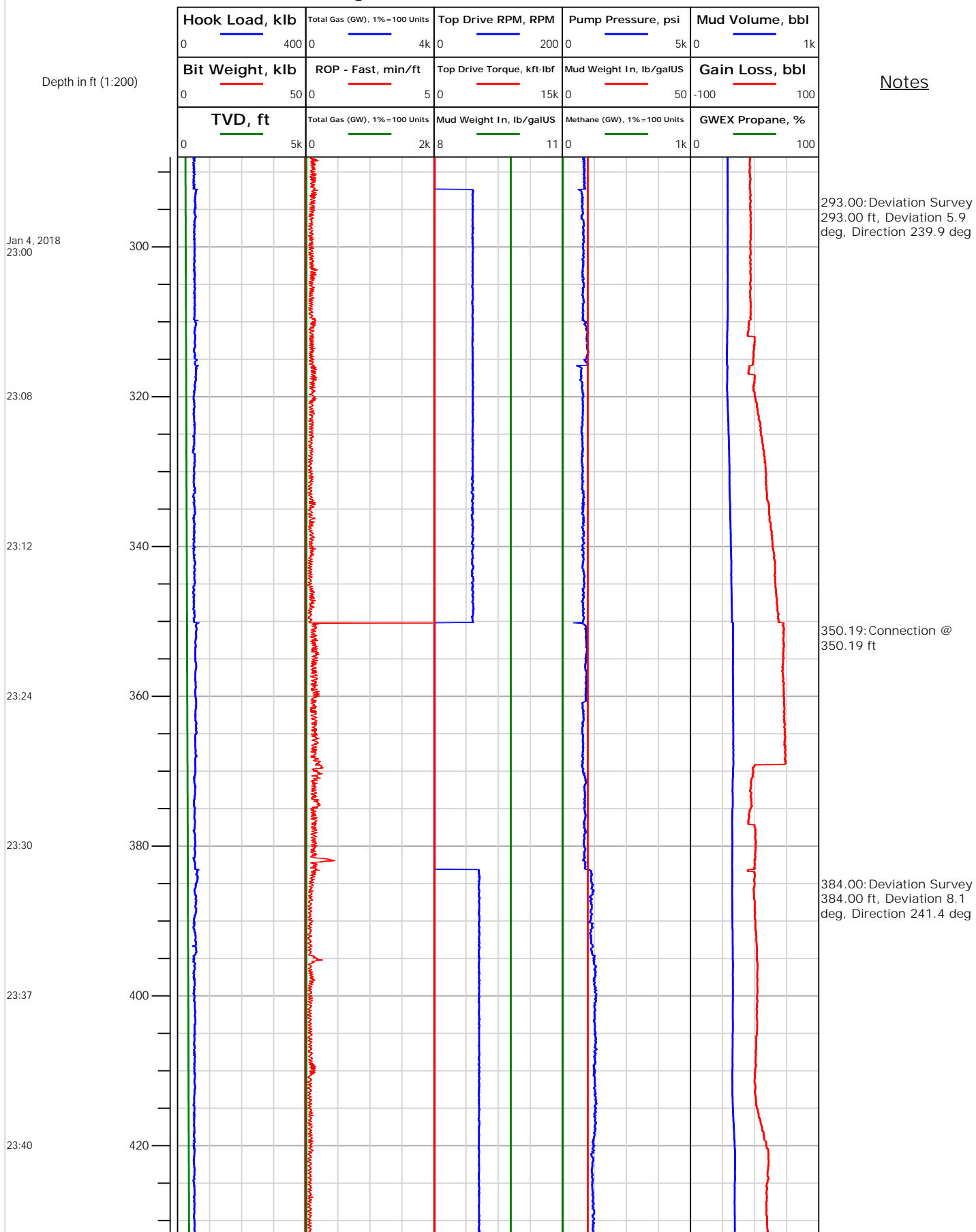
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





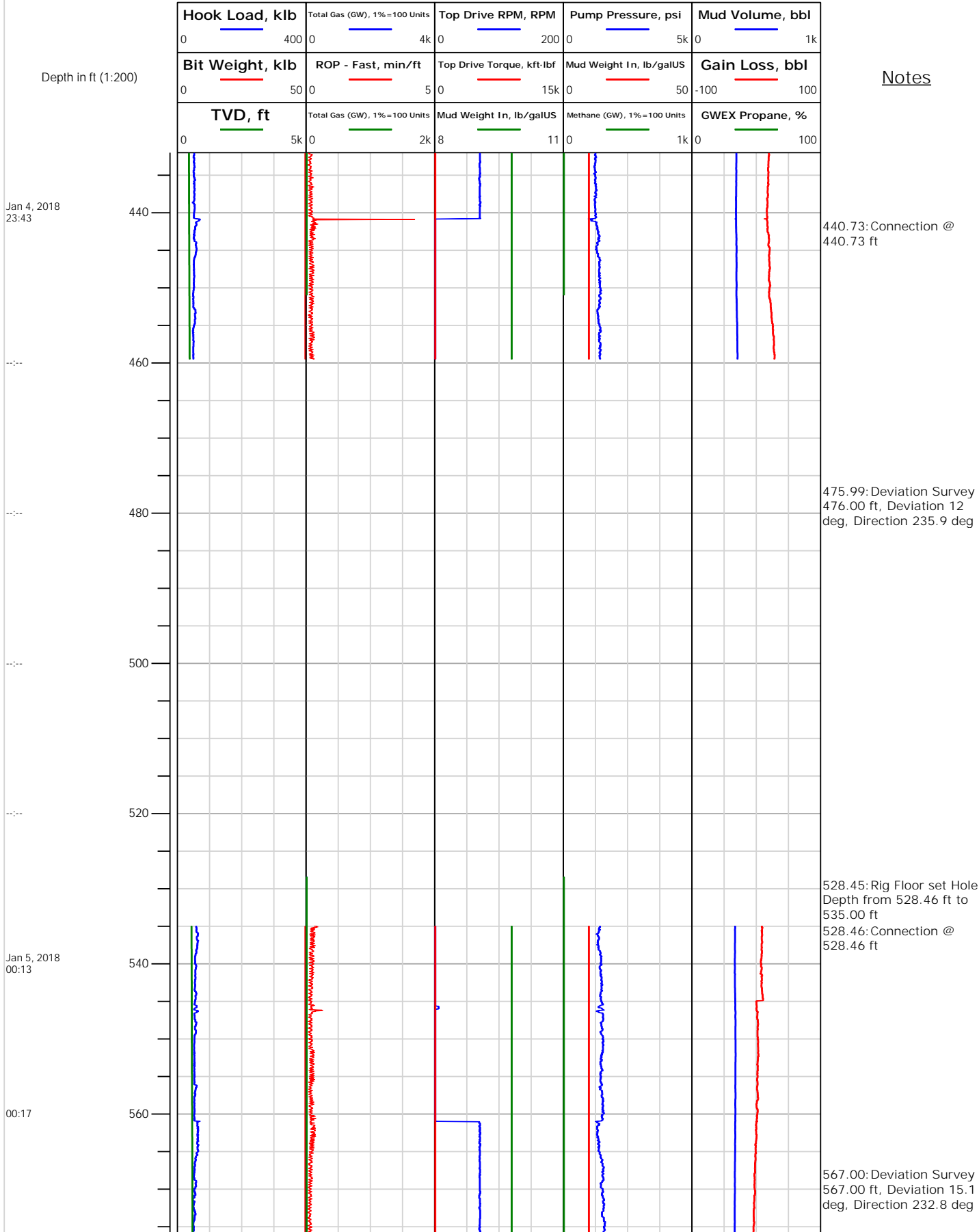
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





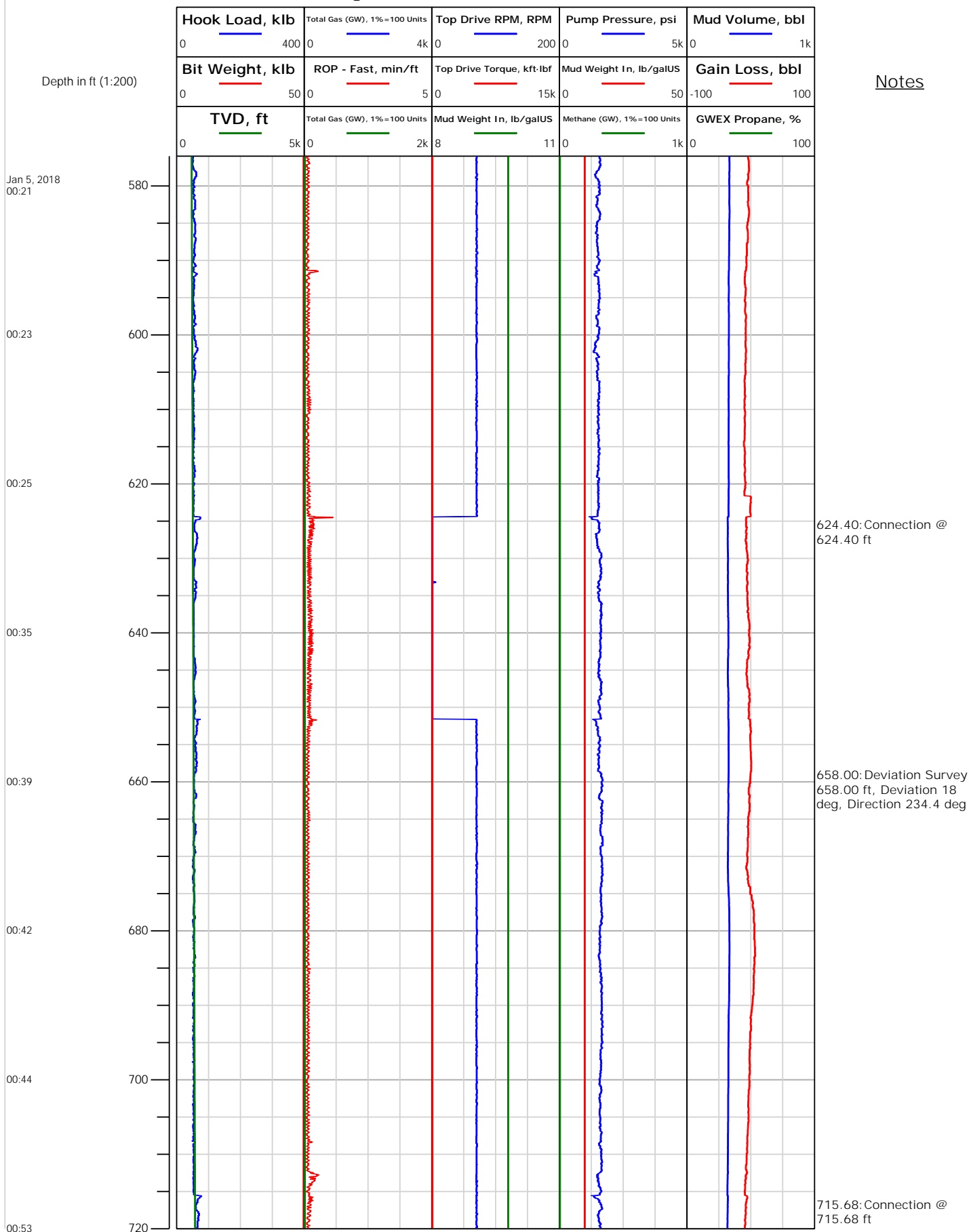
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





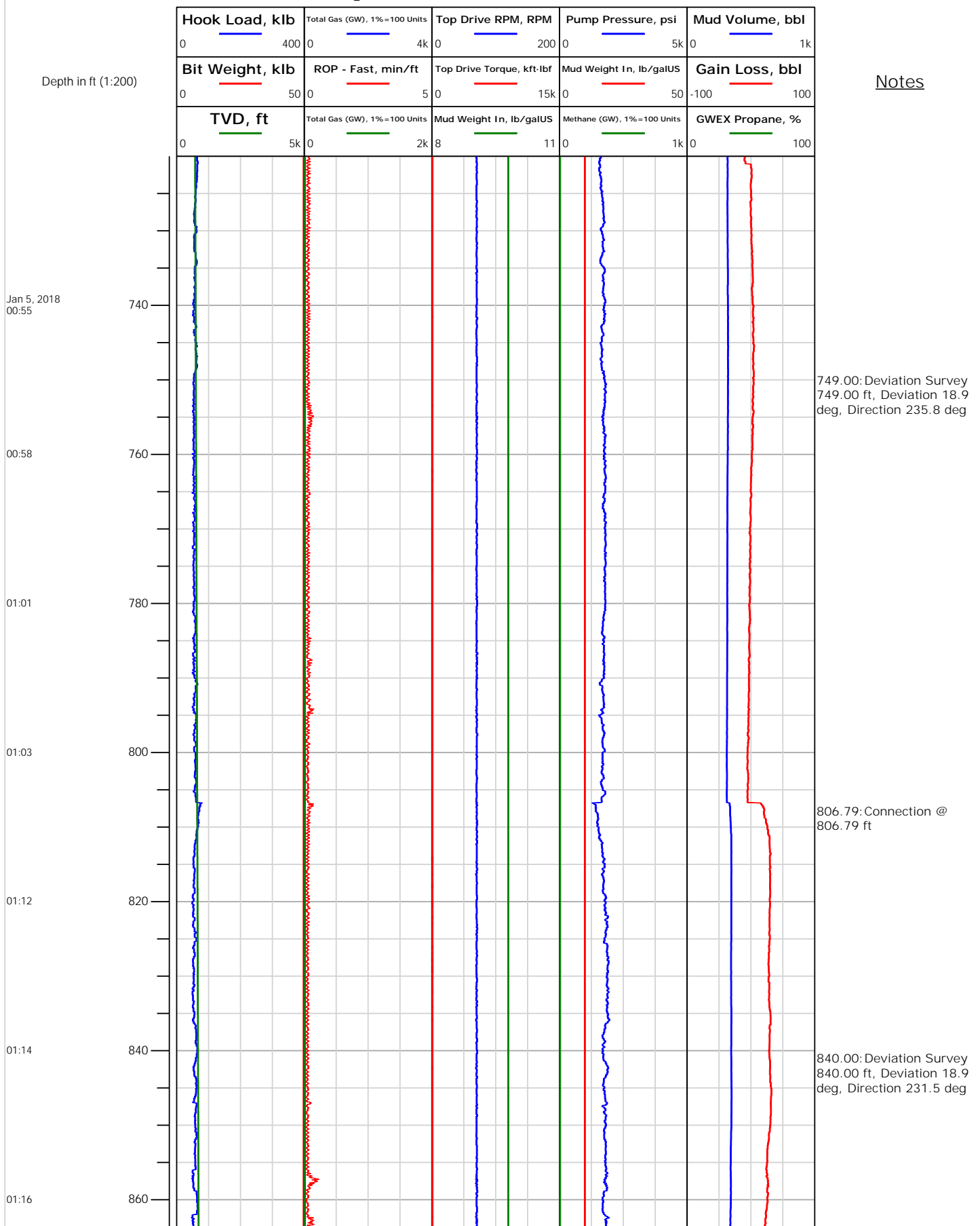
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





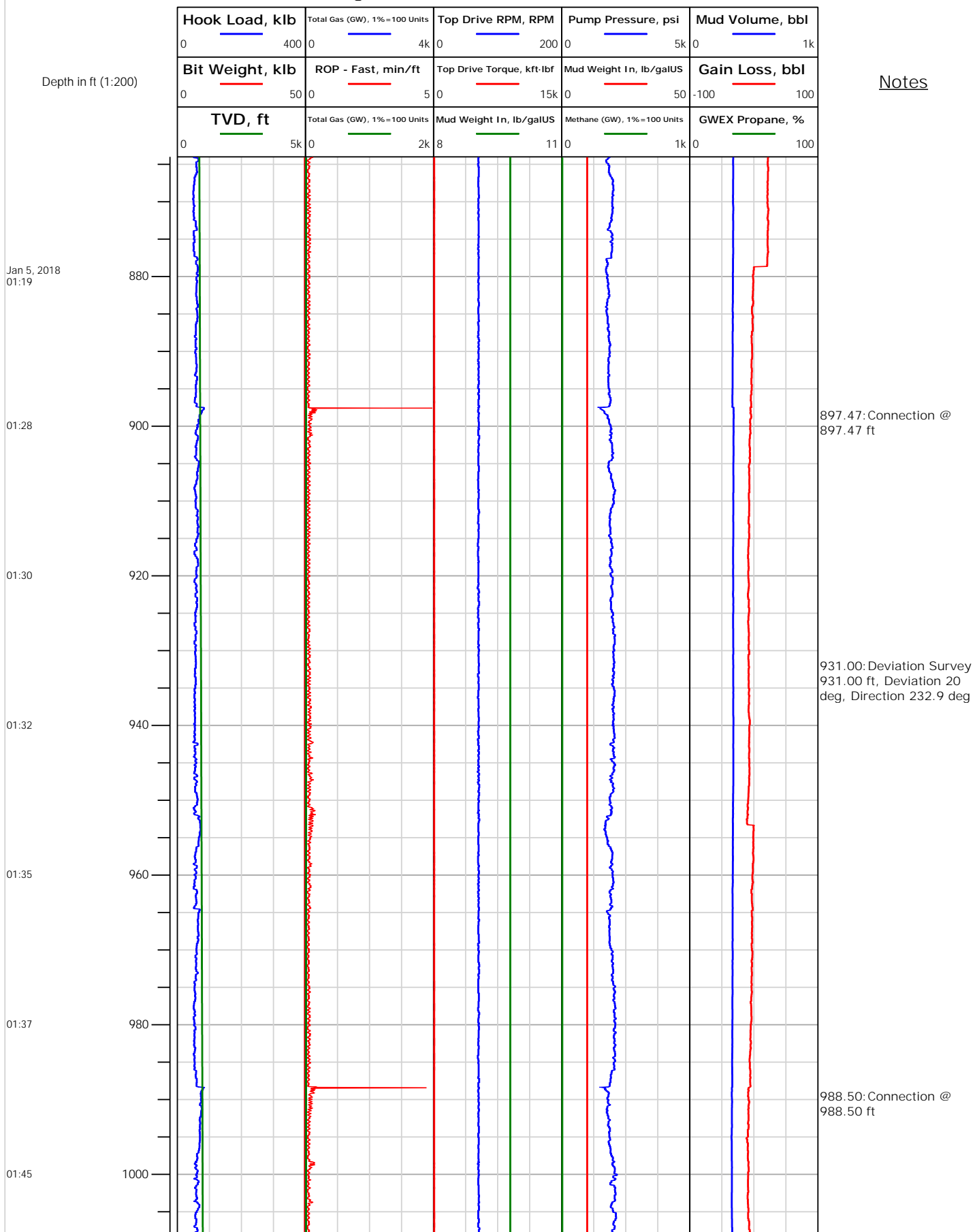
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





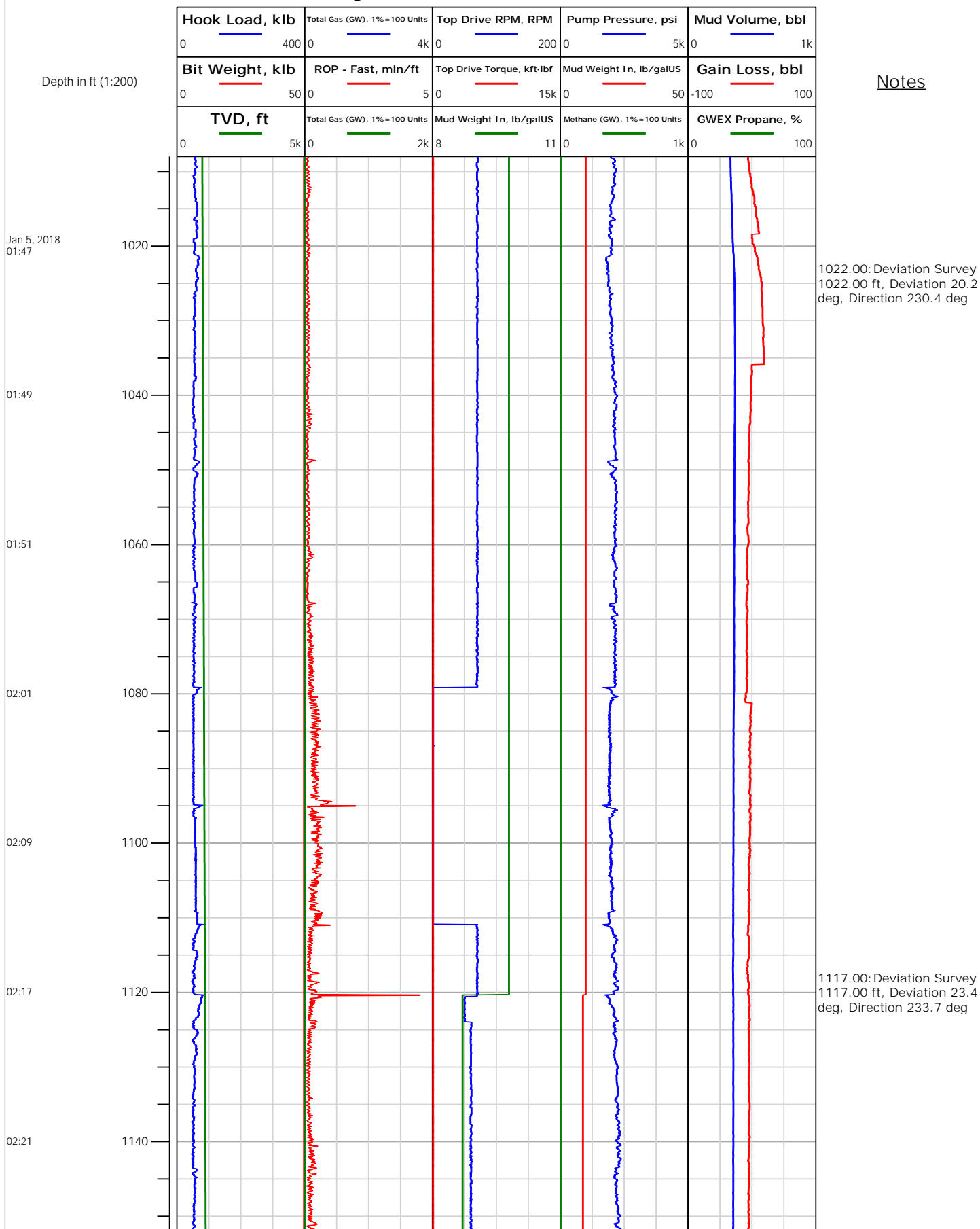
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





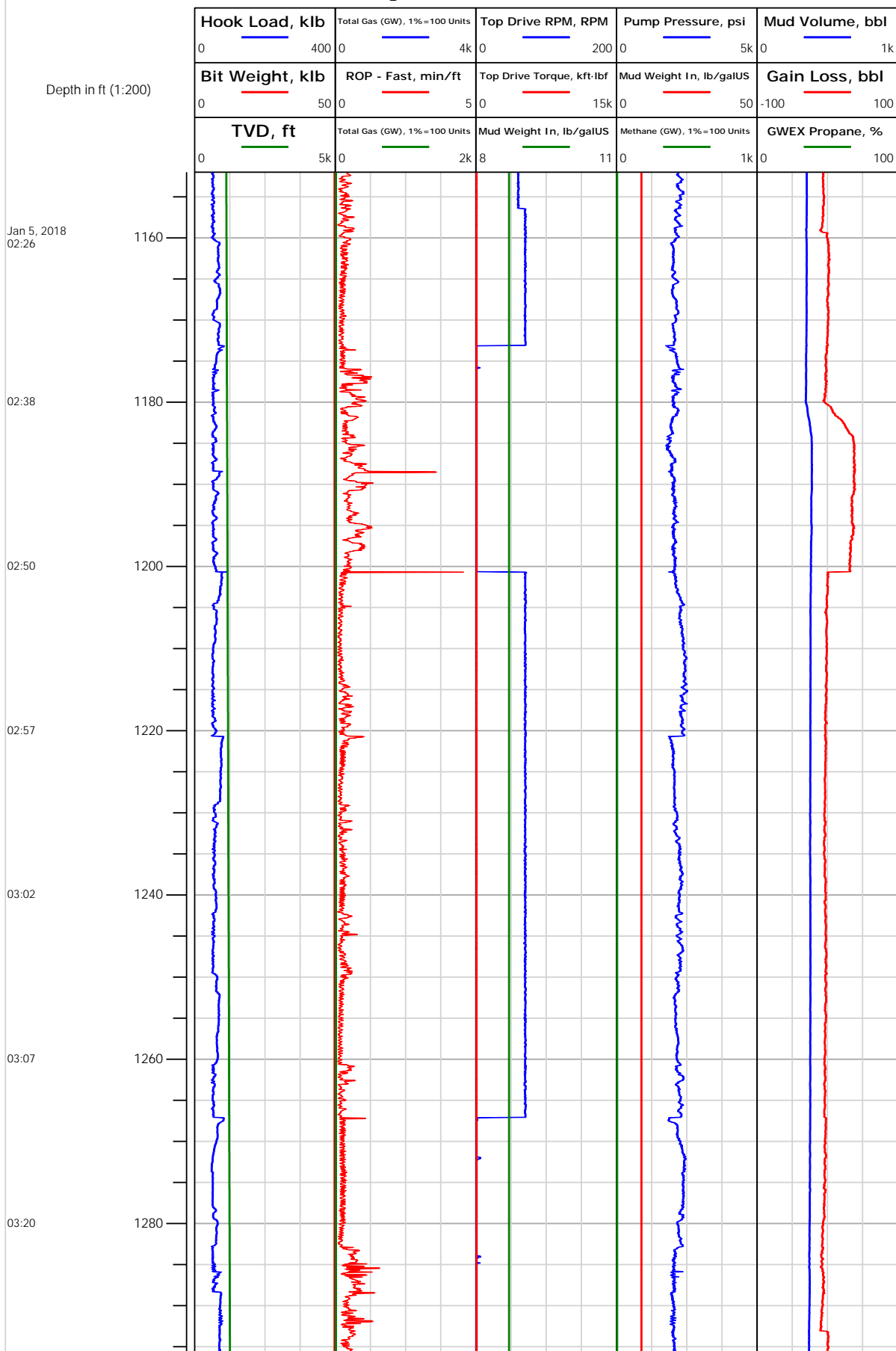
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





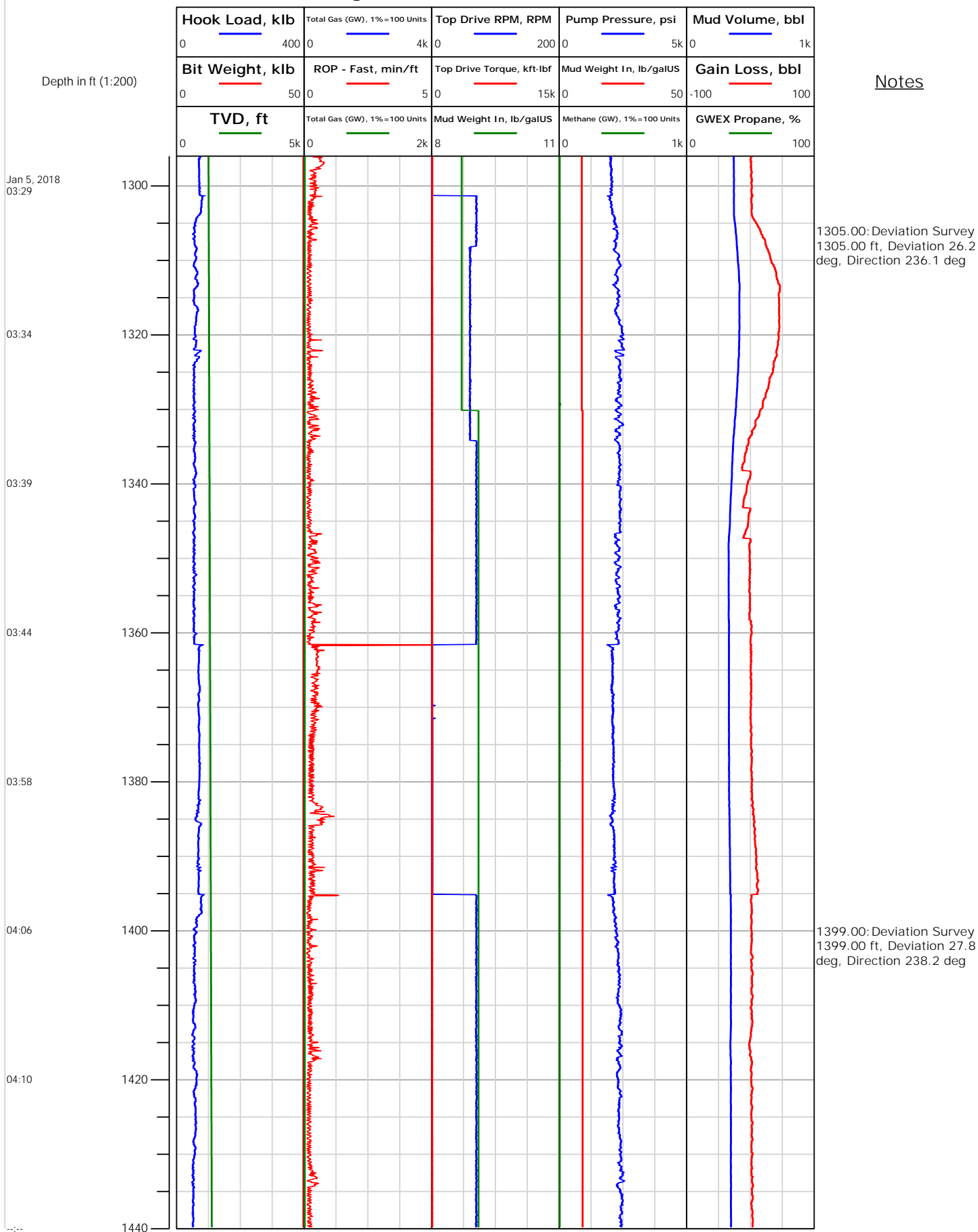
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





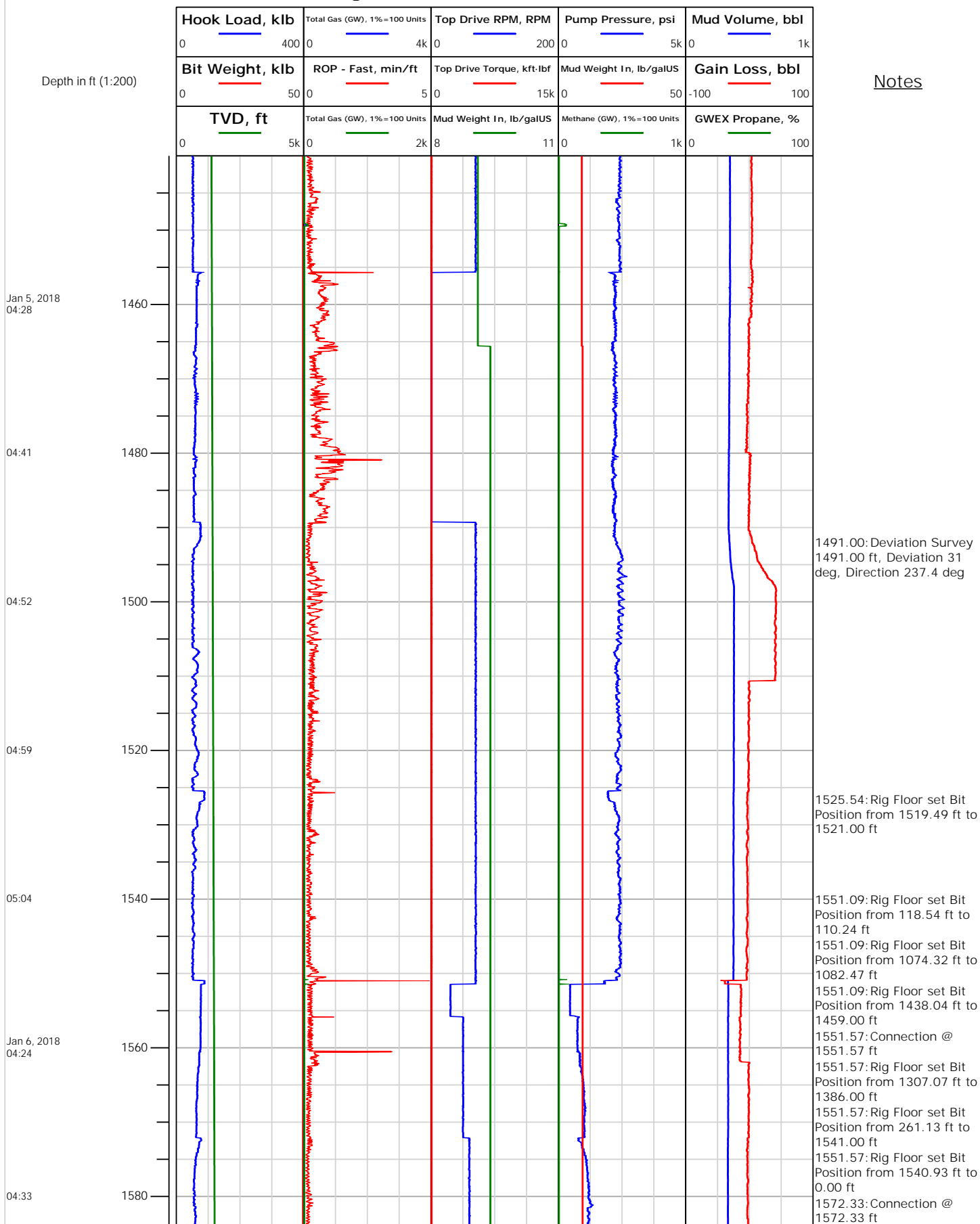
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





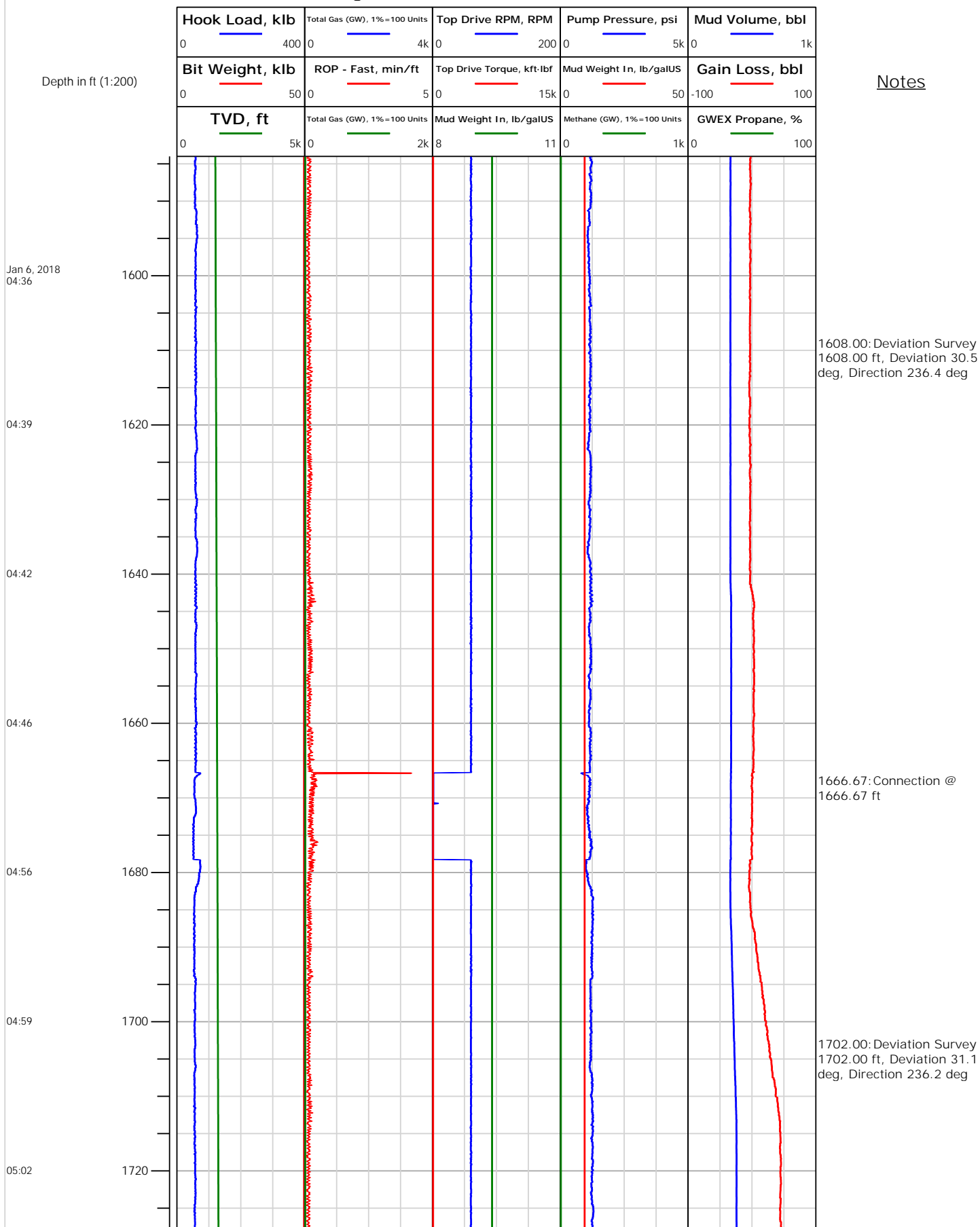
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





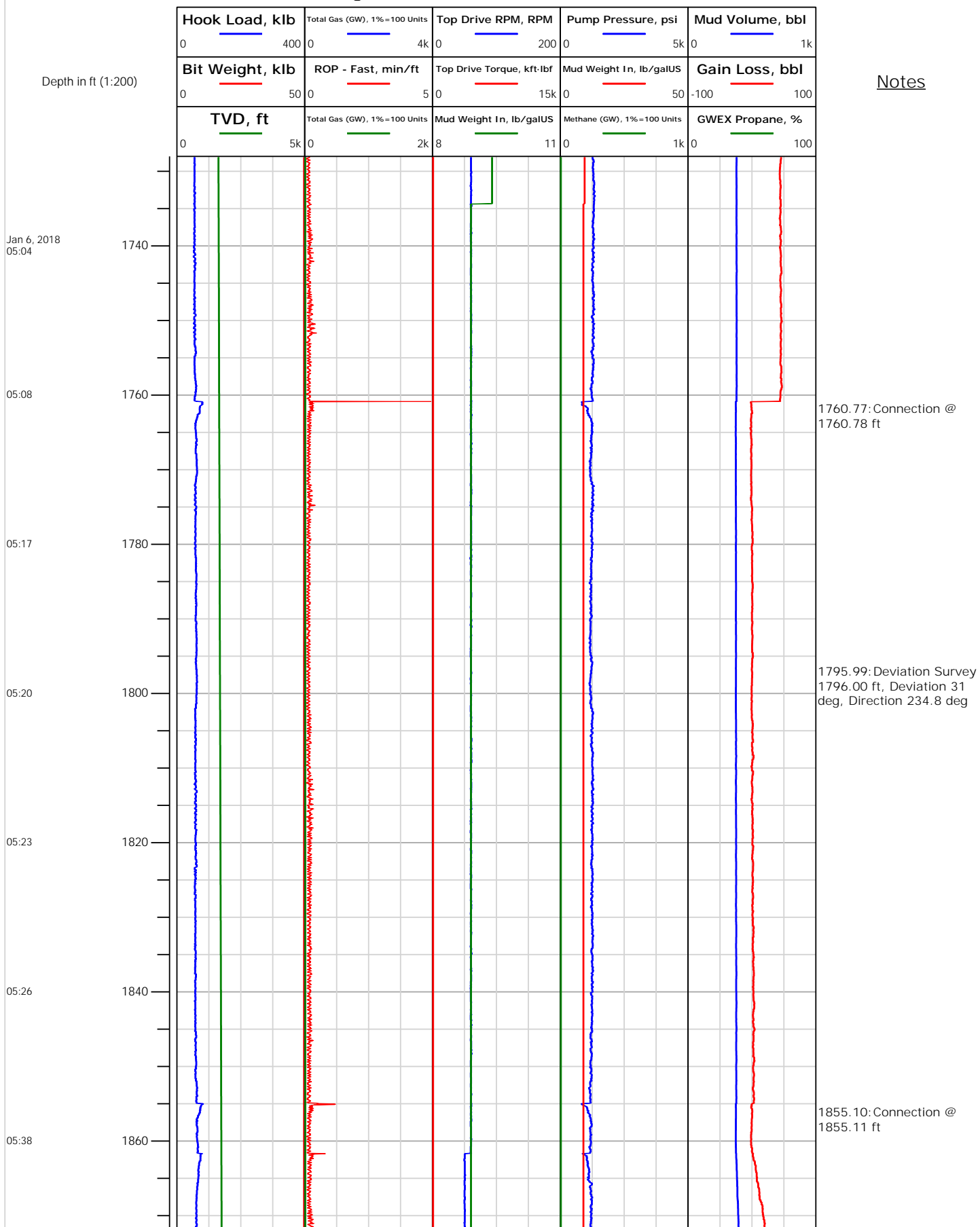
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





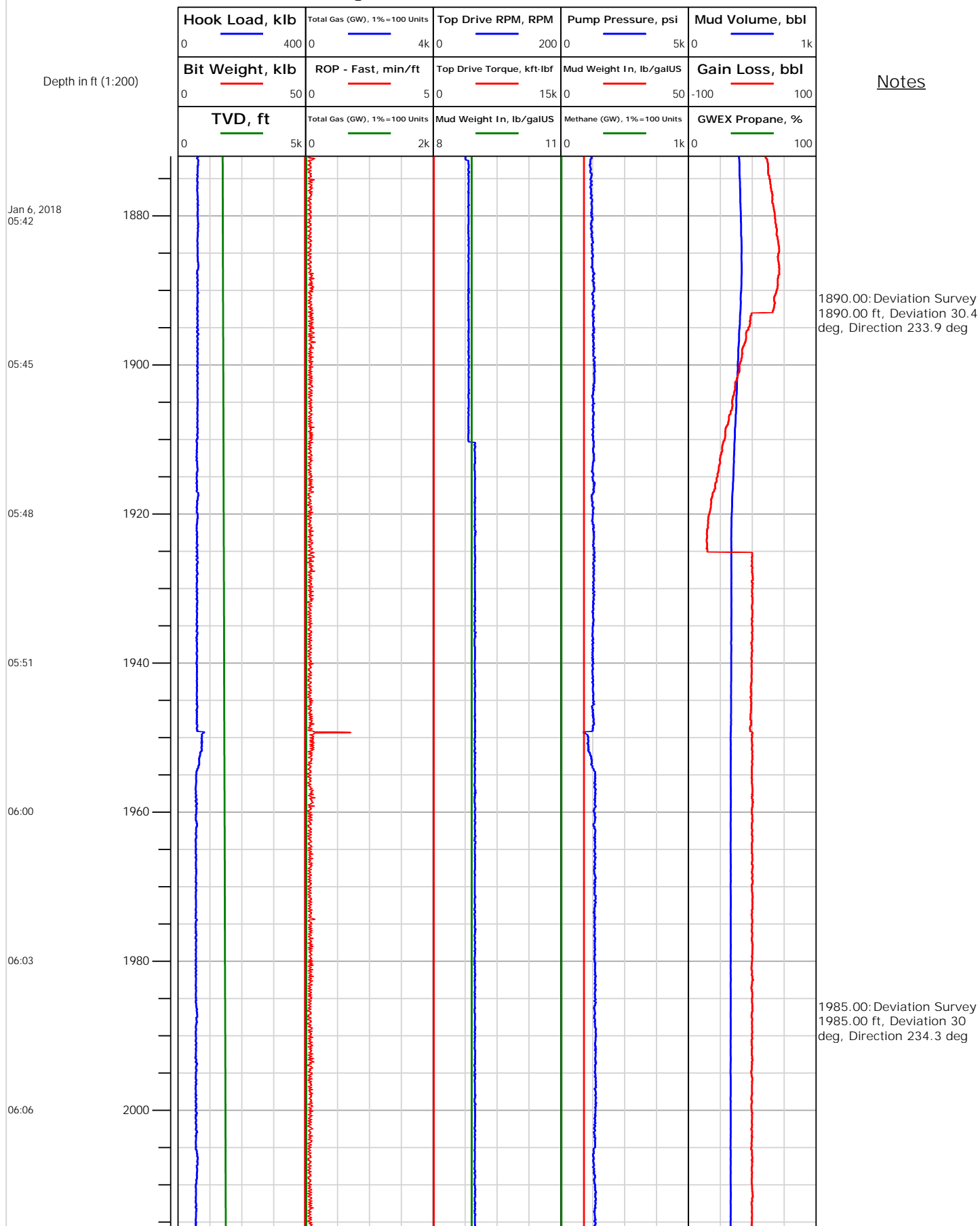
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





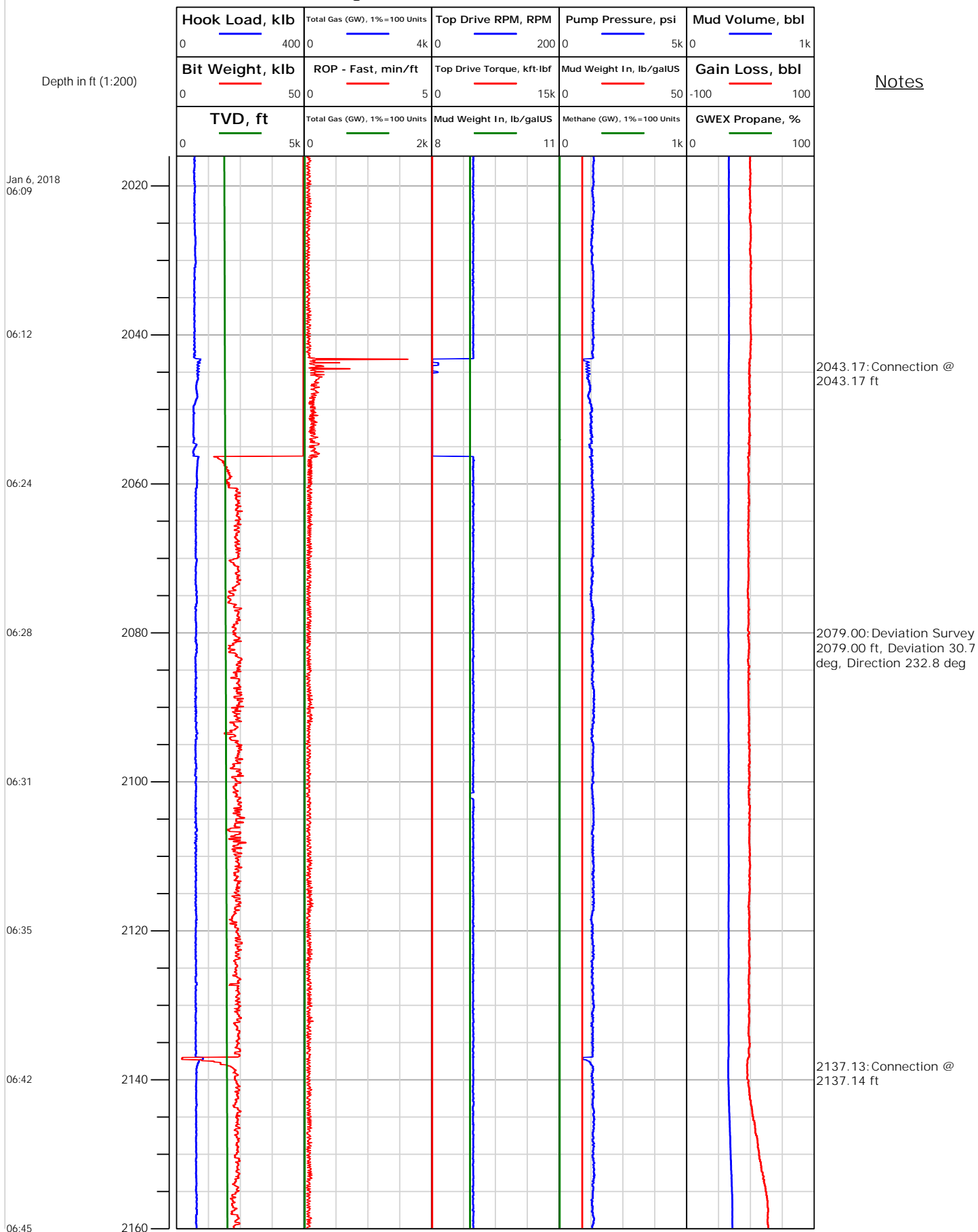
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





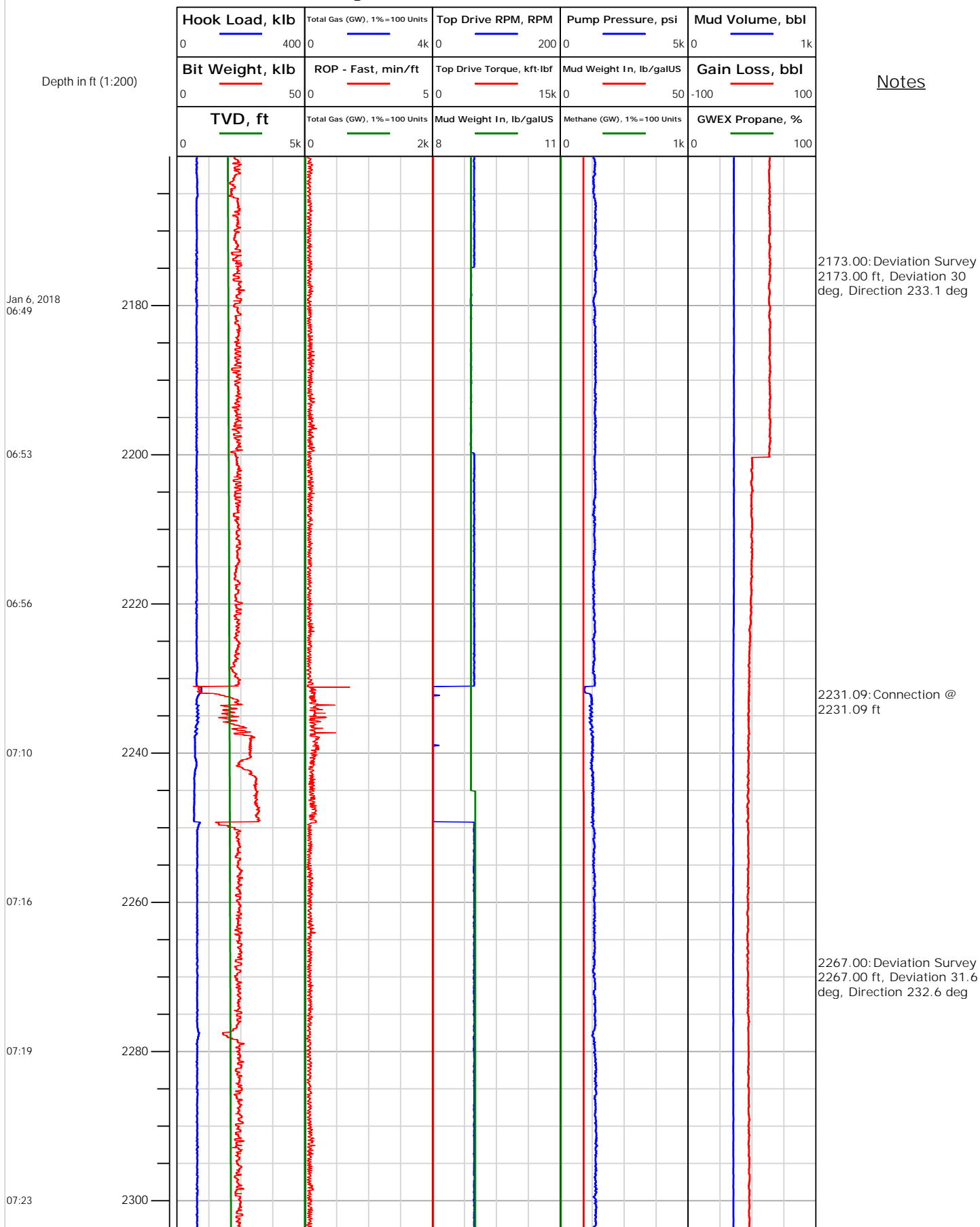
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





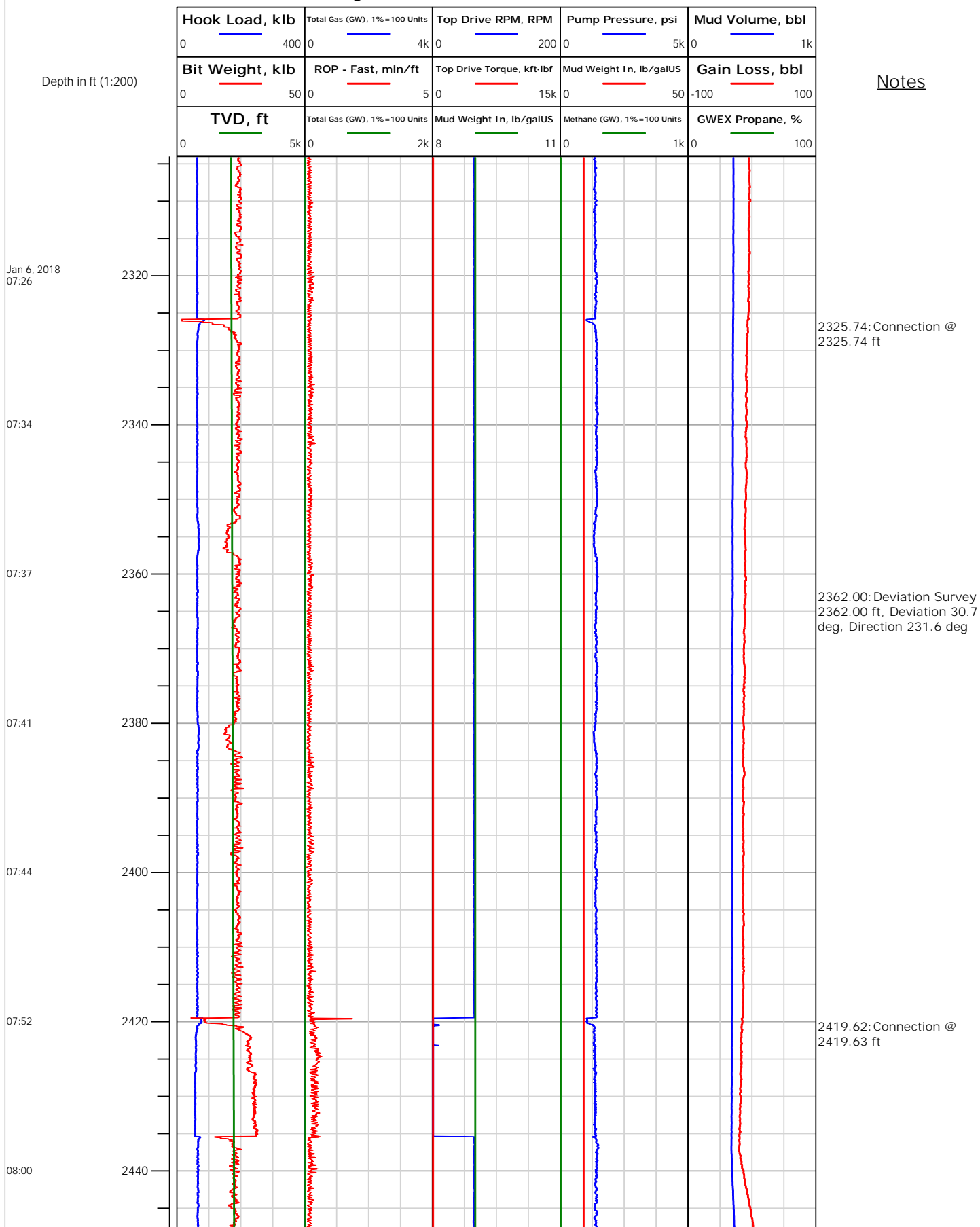
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





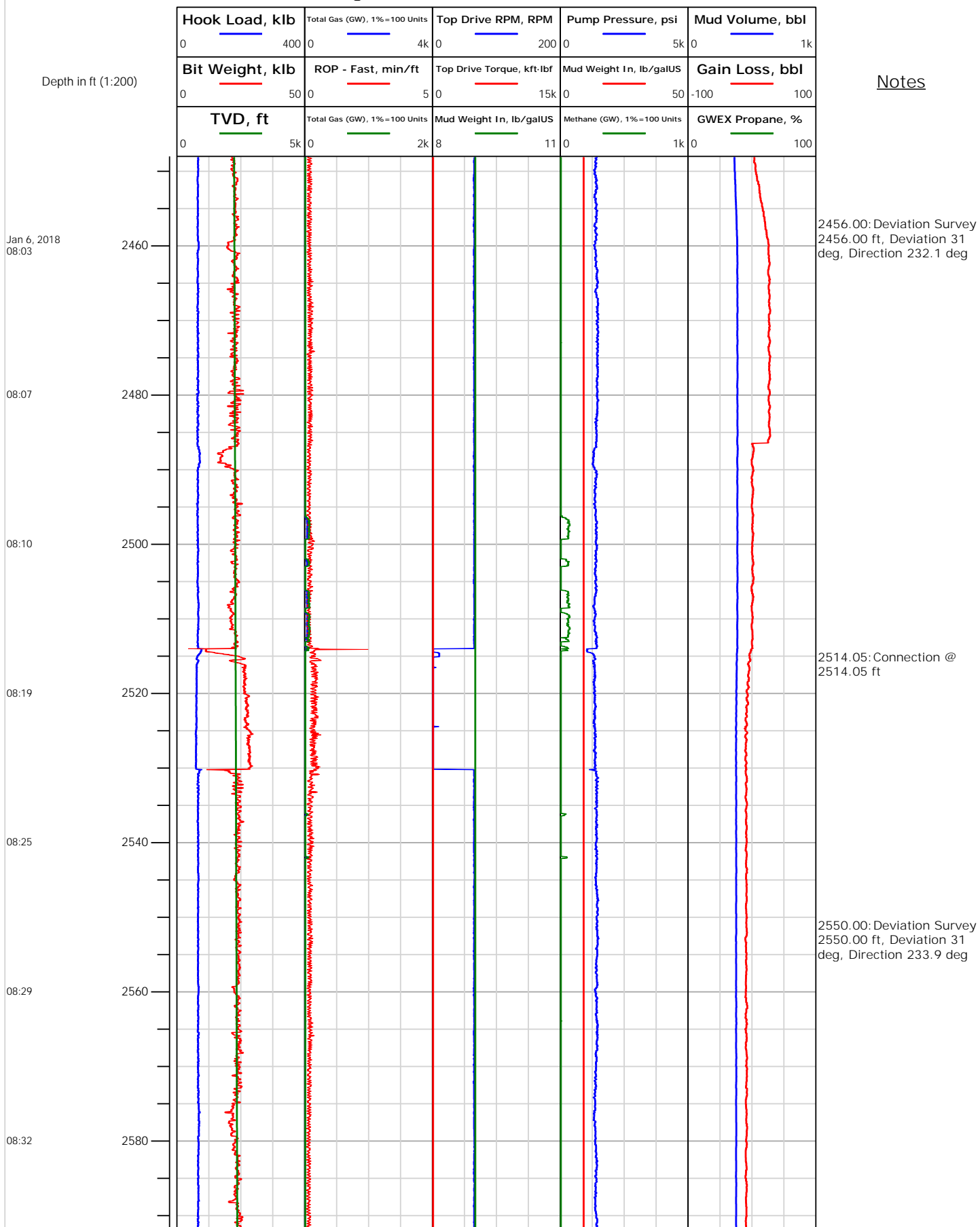
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





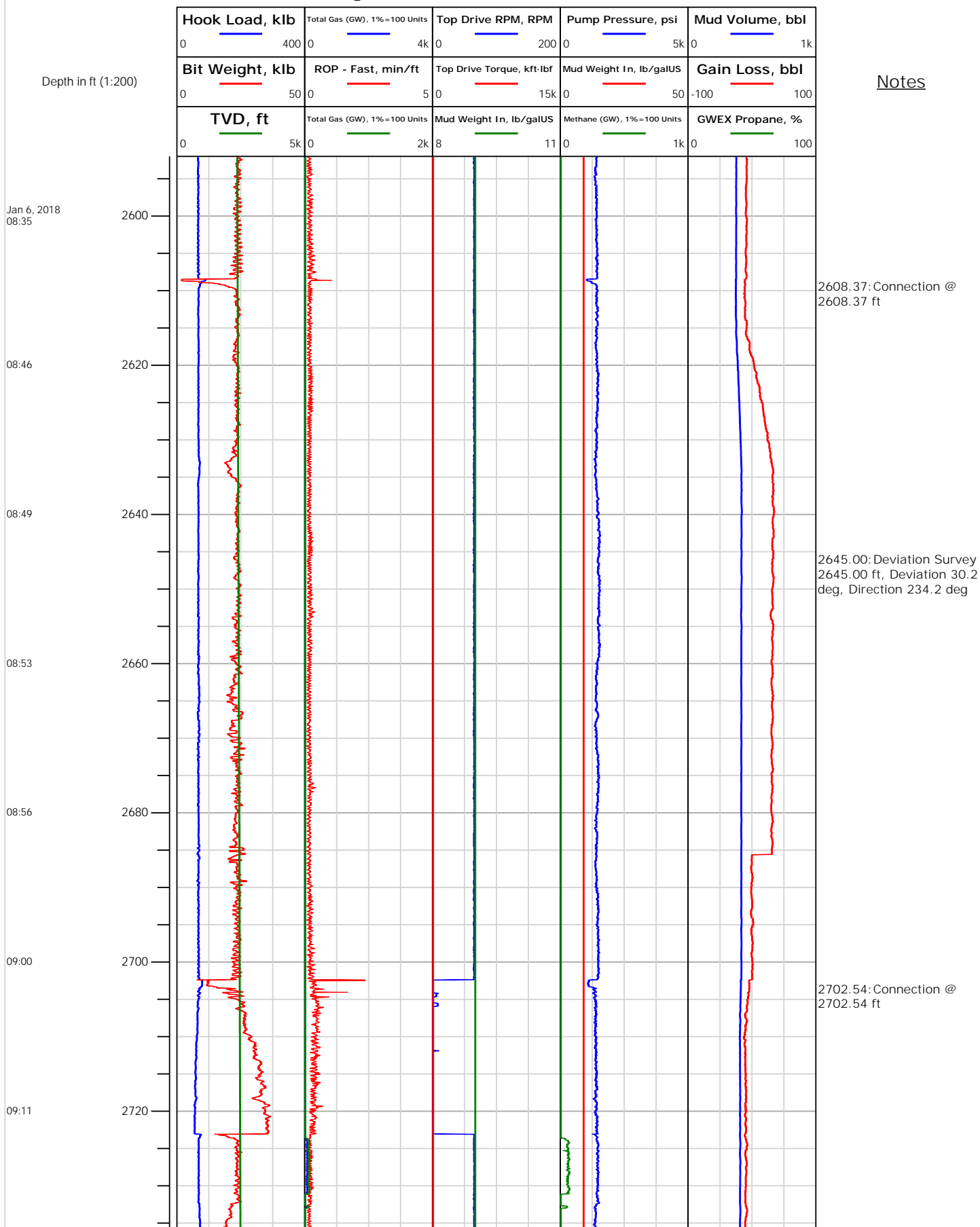
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





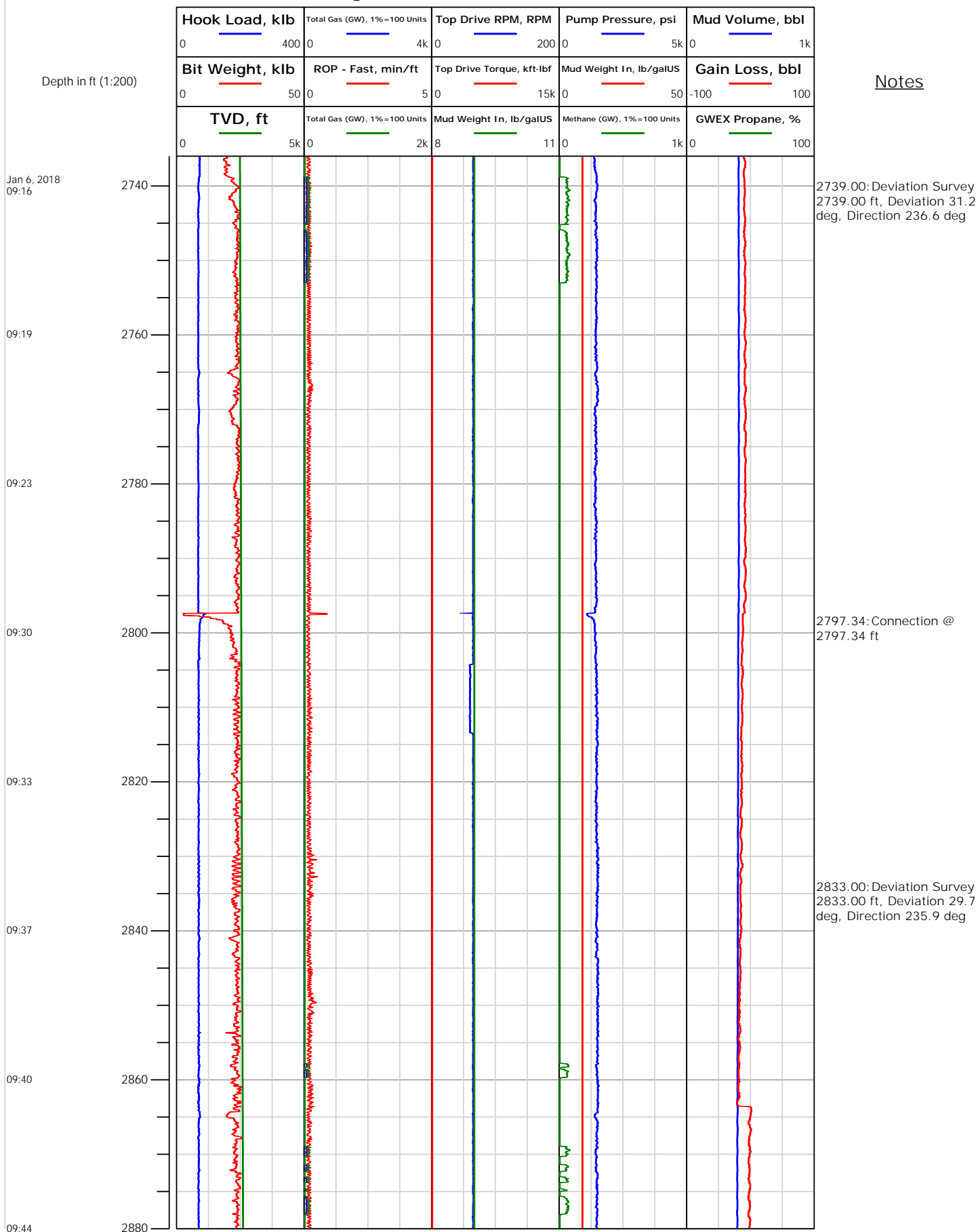
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





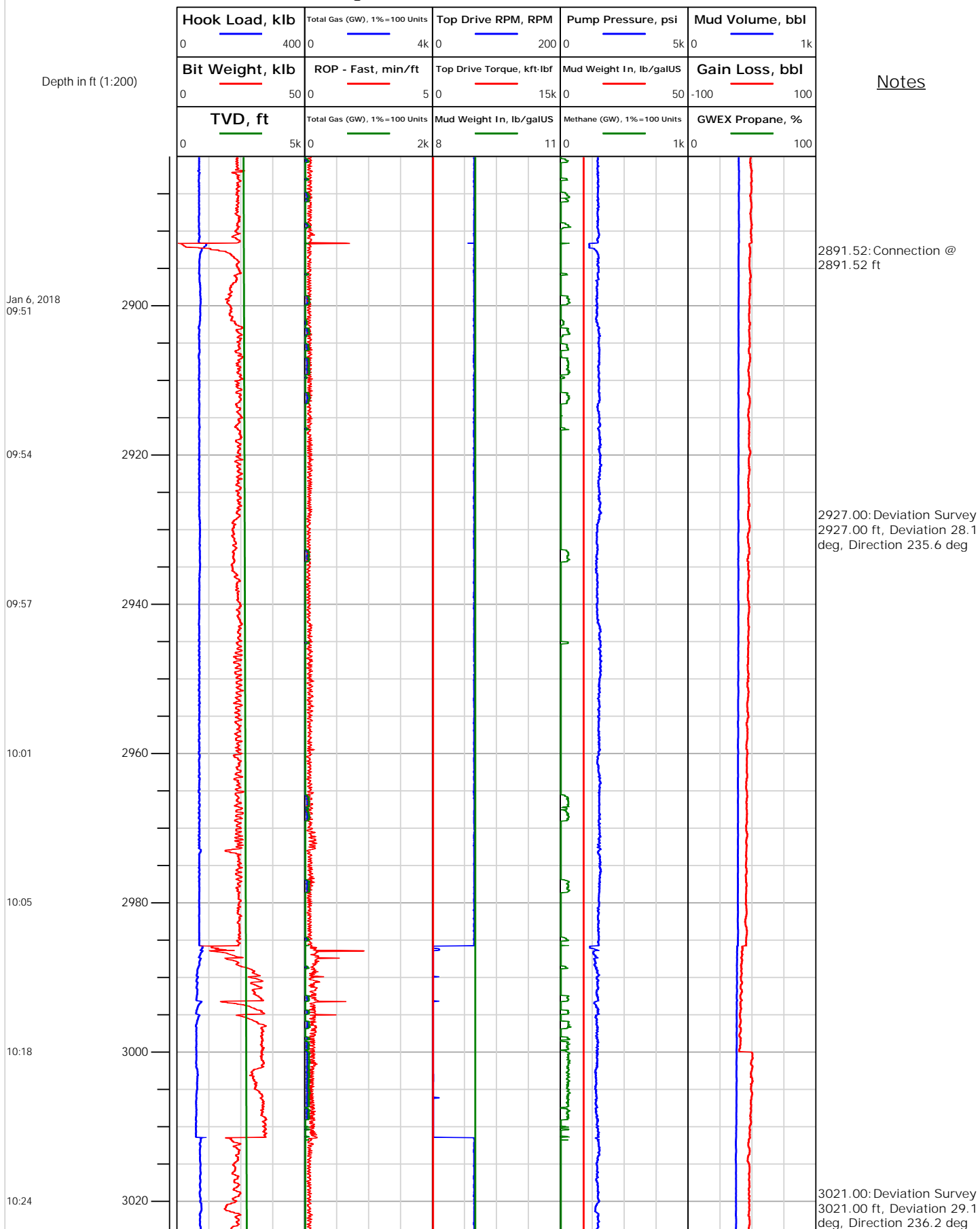
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





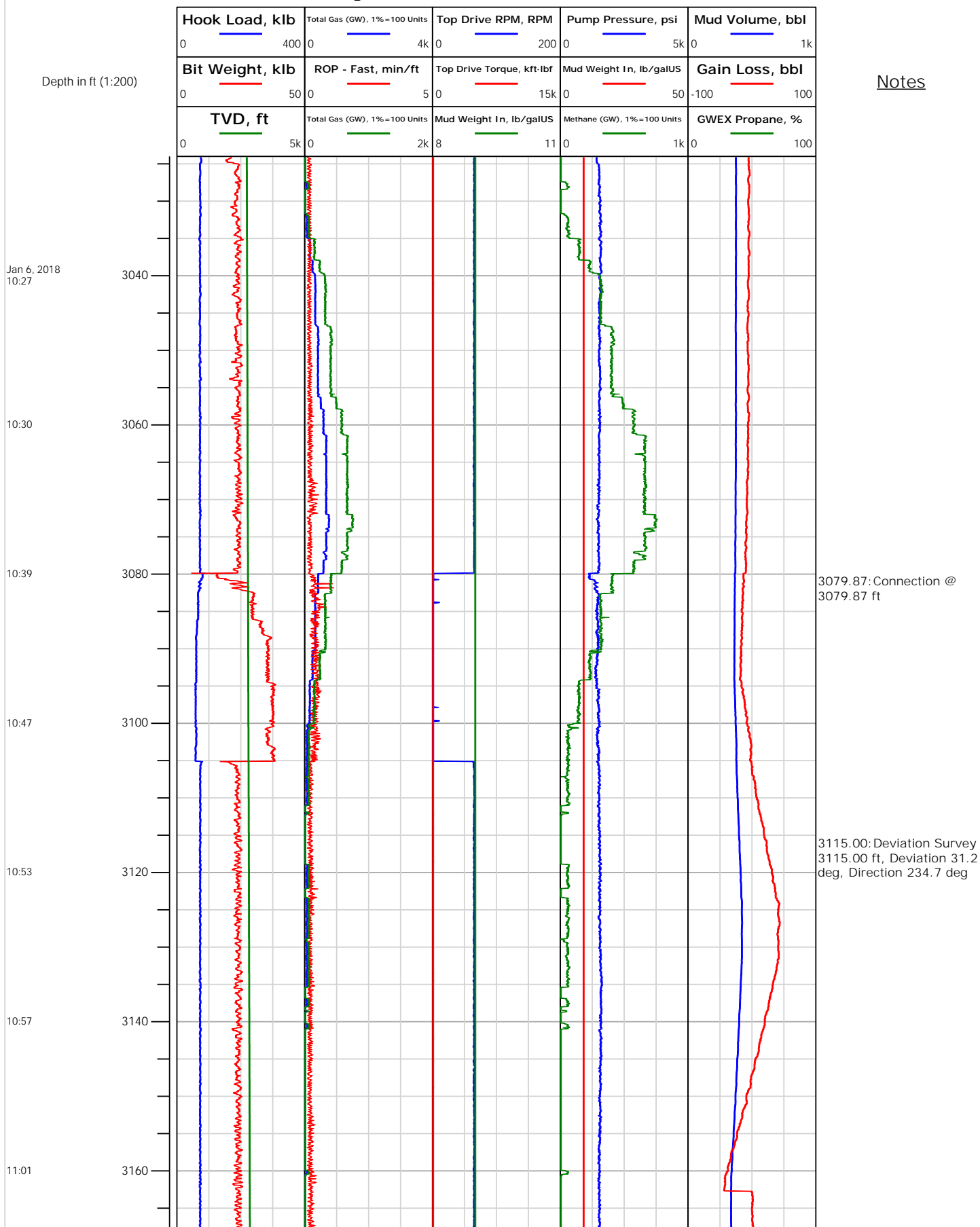
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Rig: 522

Location:

Notes





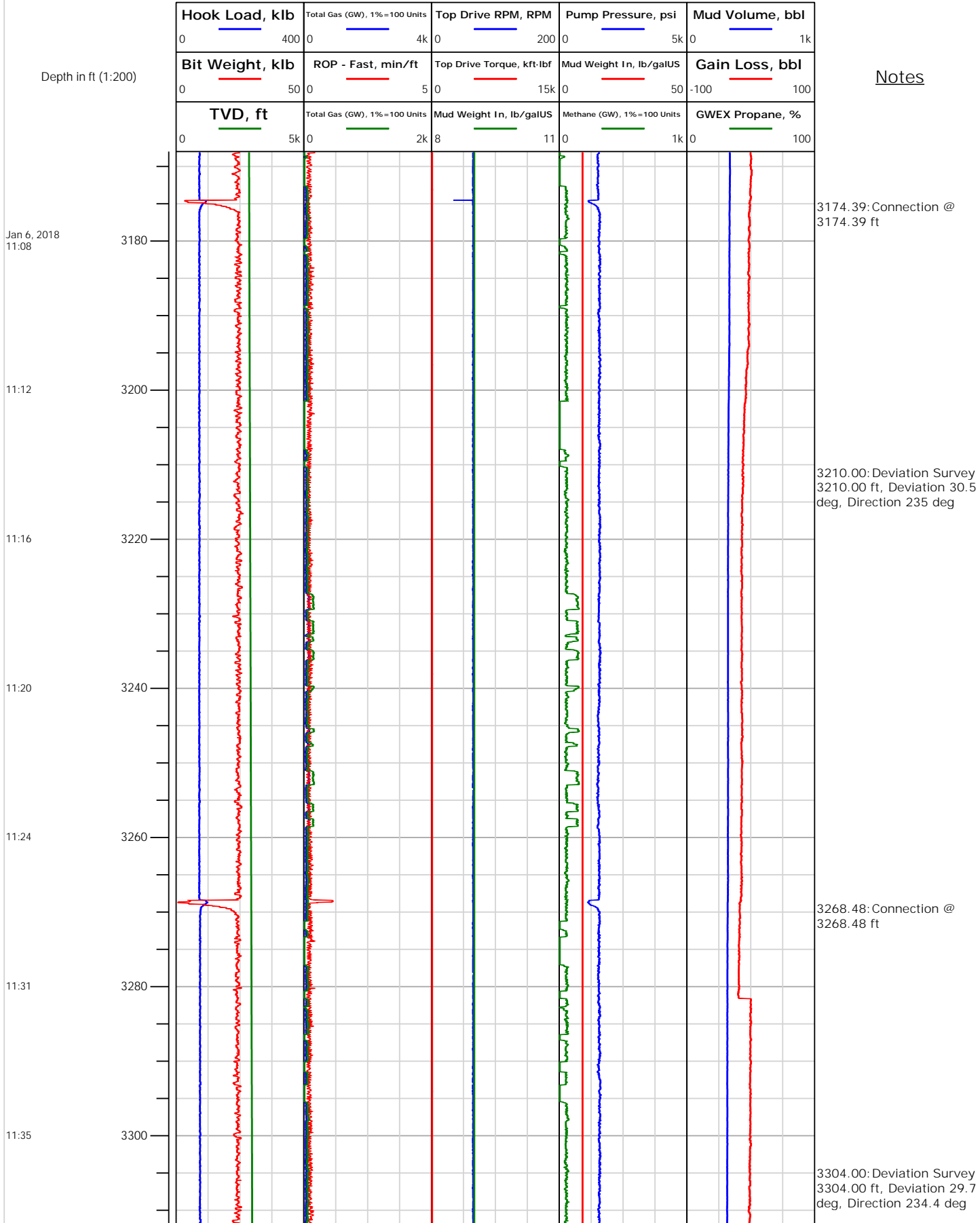
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Rig: 522

Location:

Notes





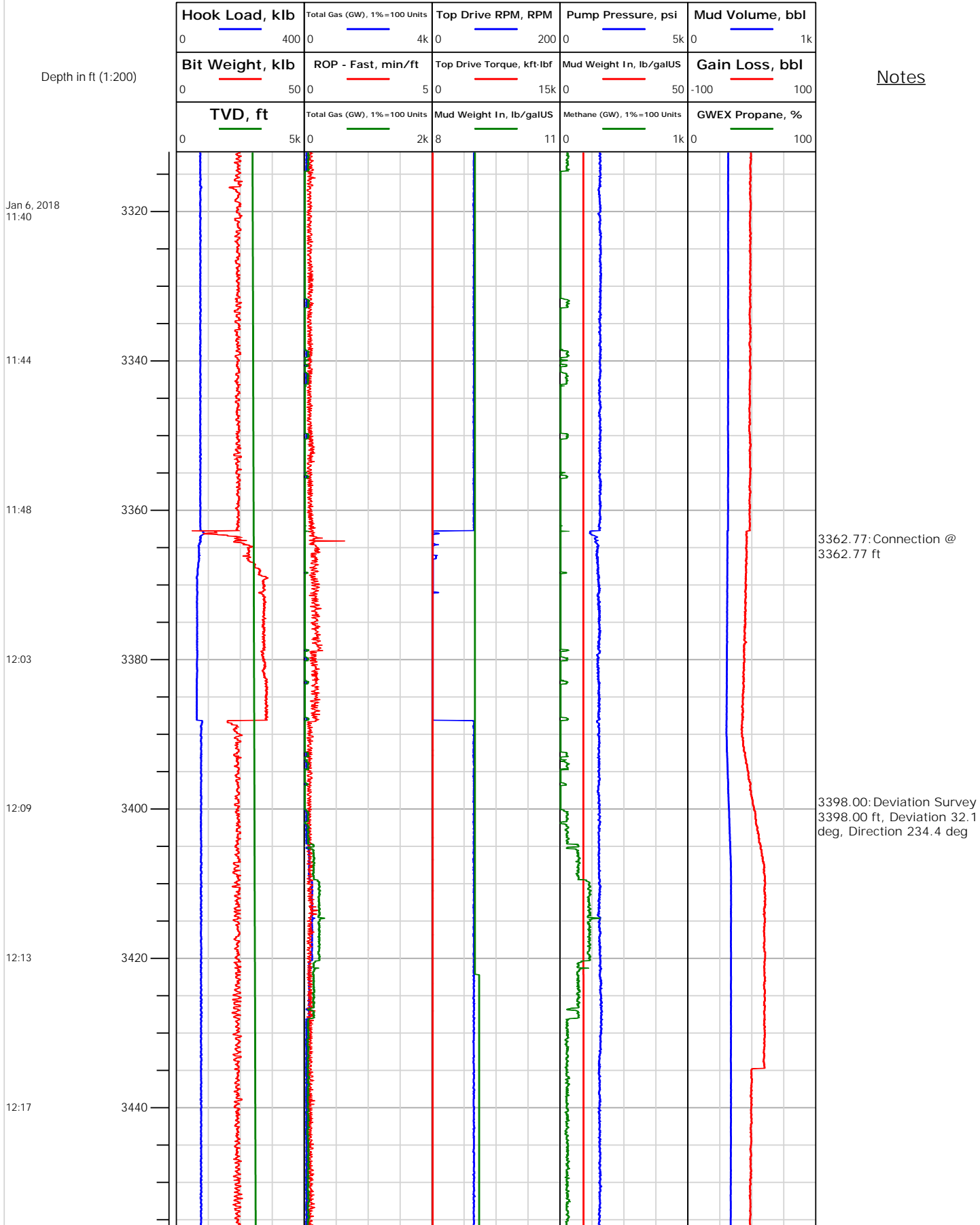
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes



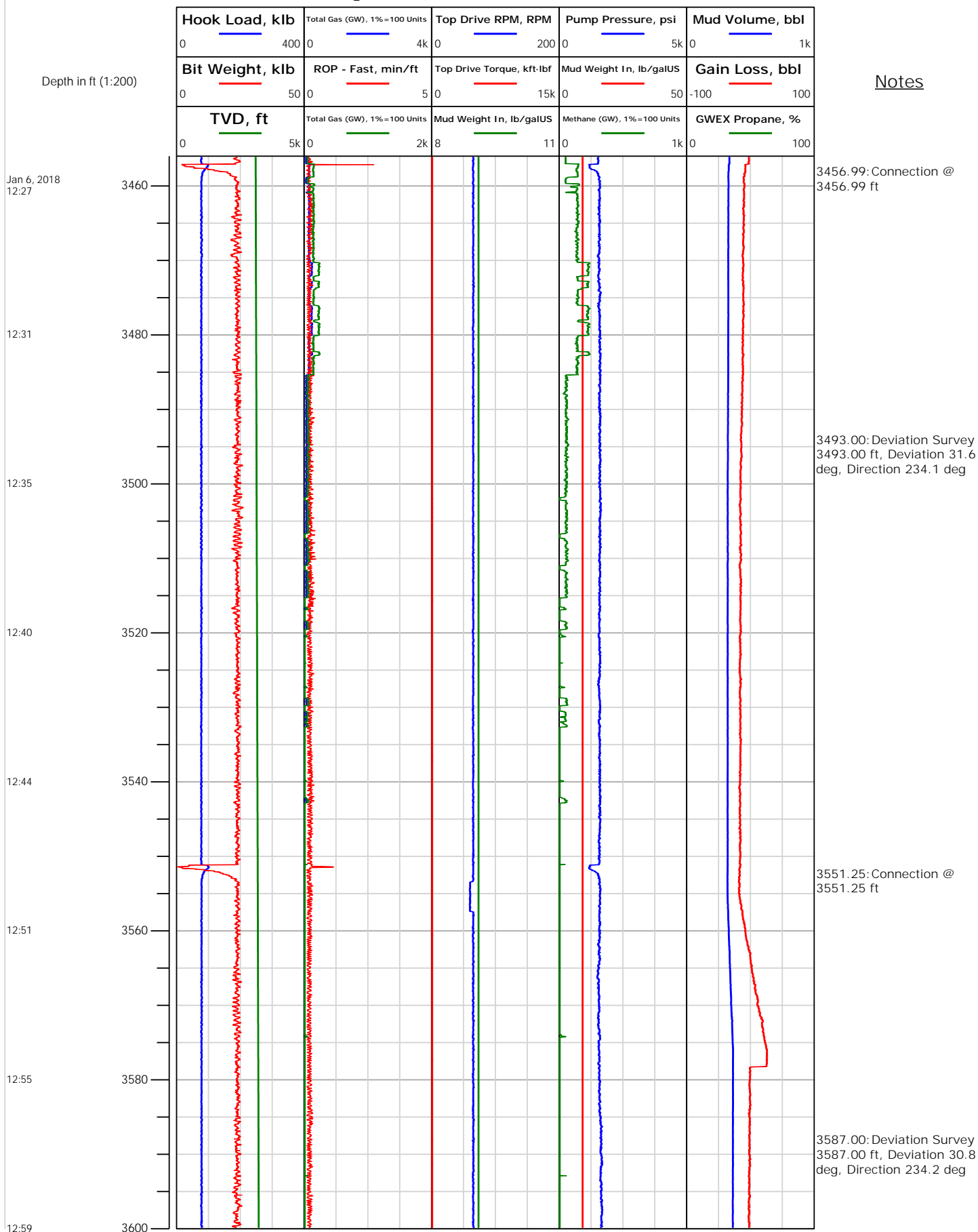


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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:





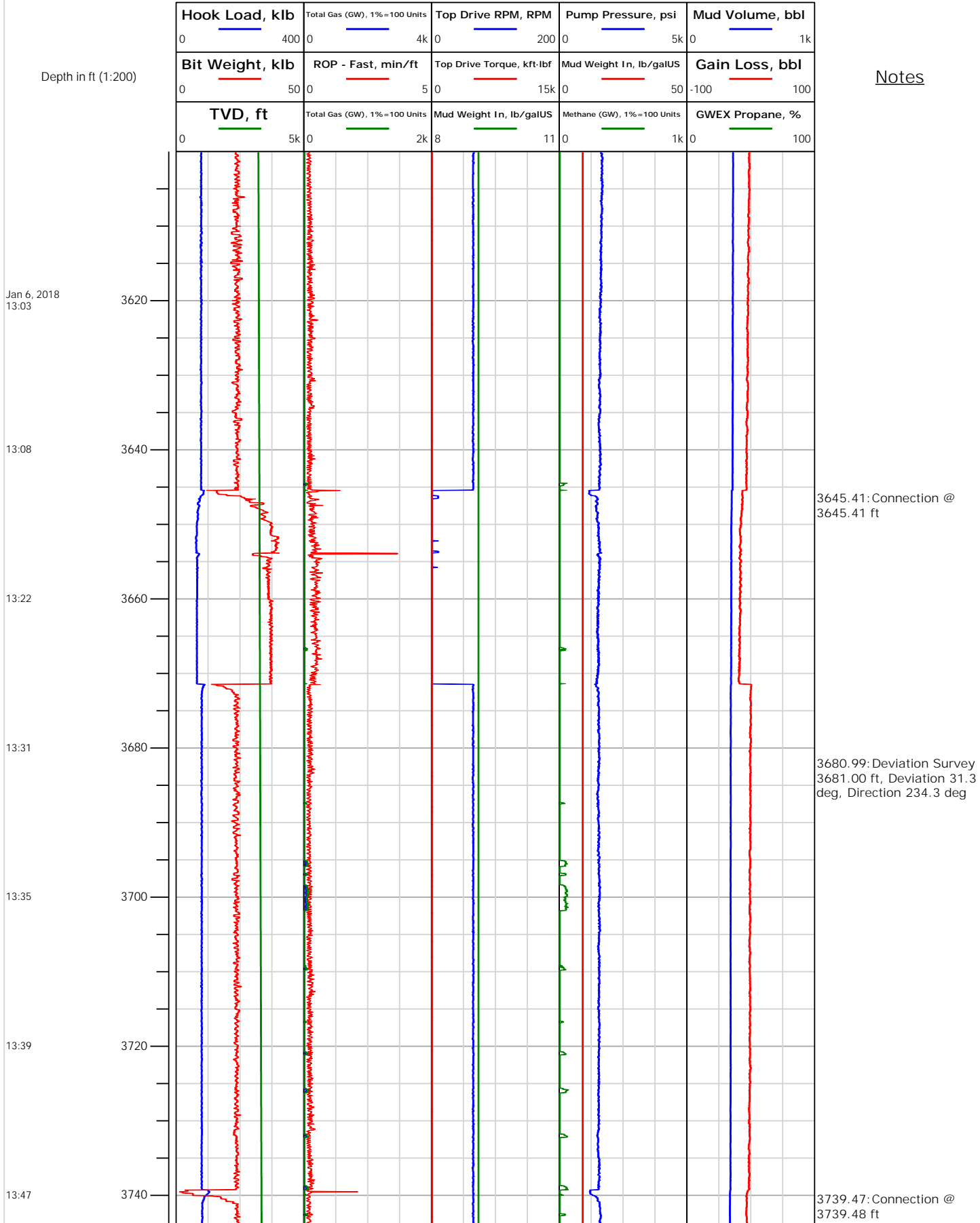
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





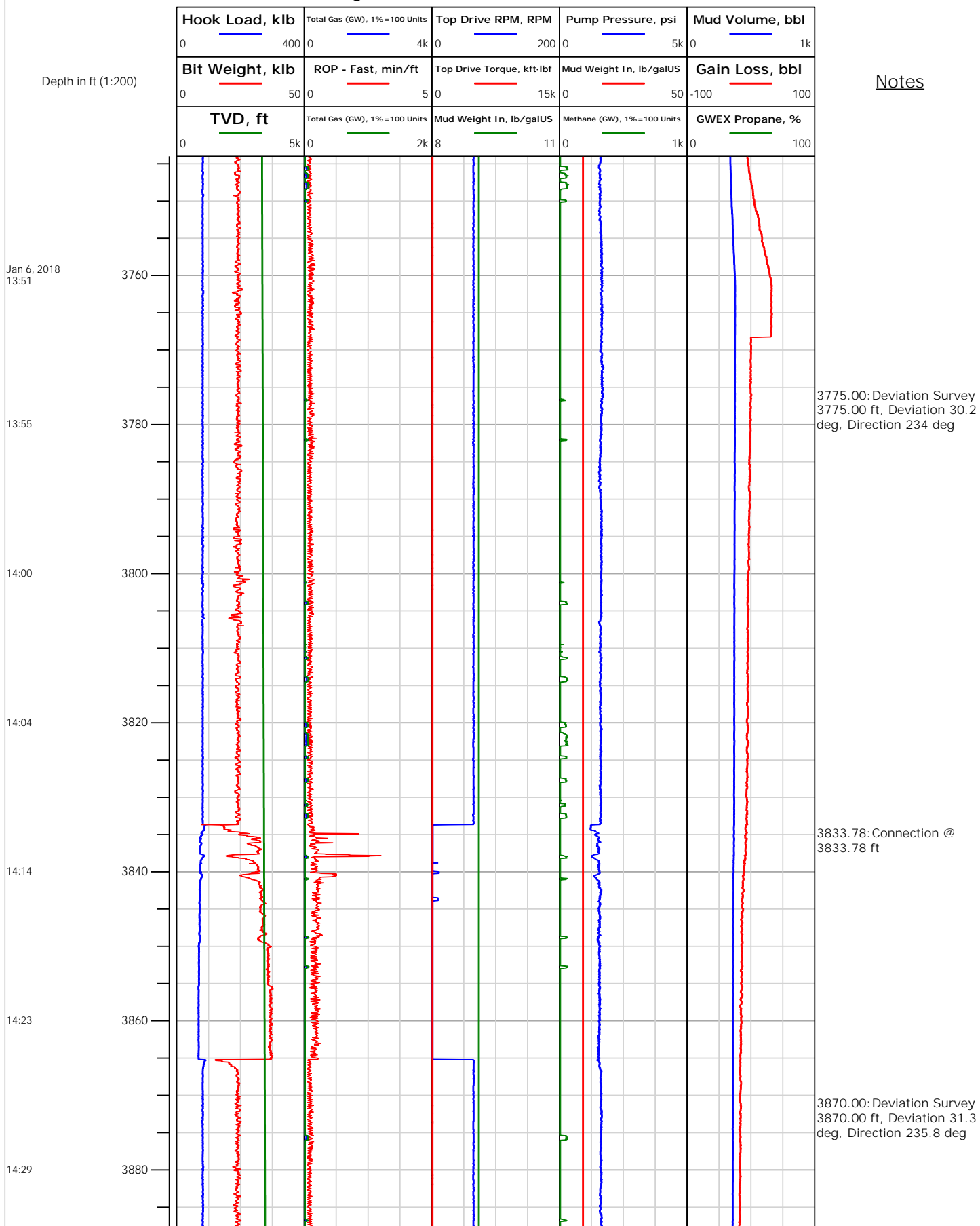
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





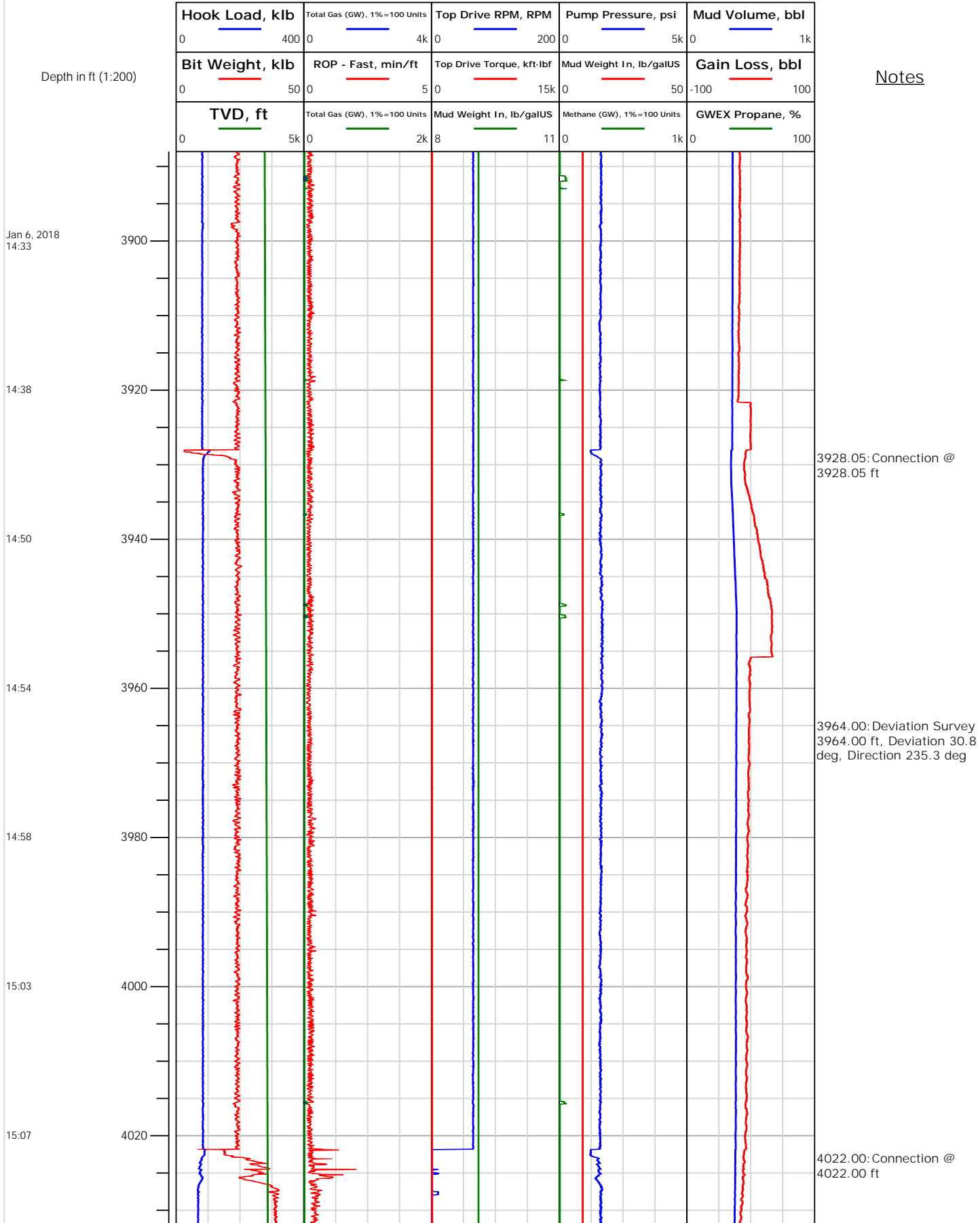
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





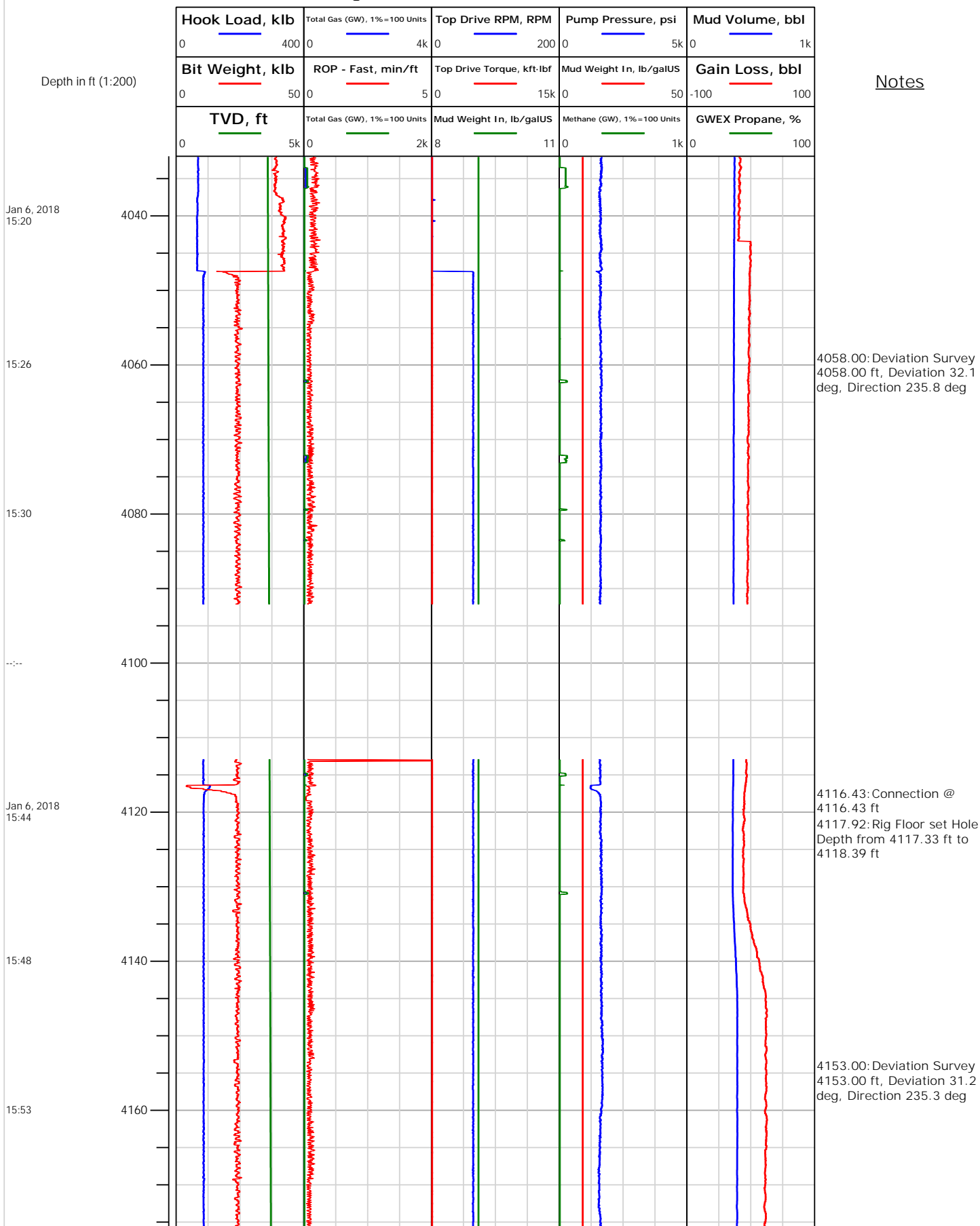
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





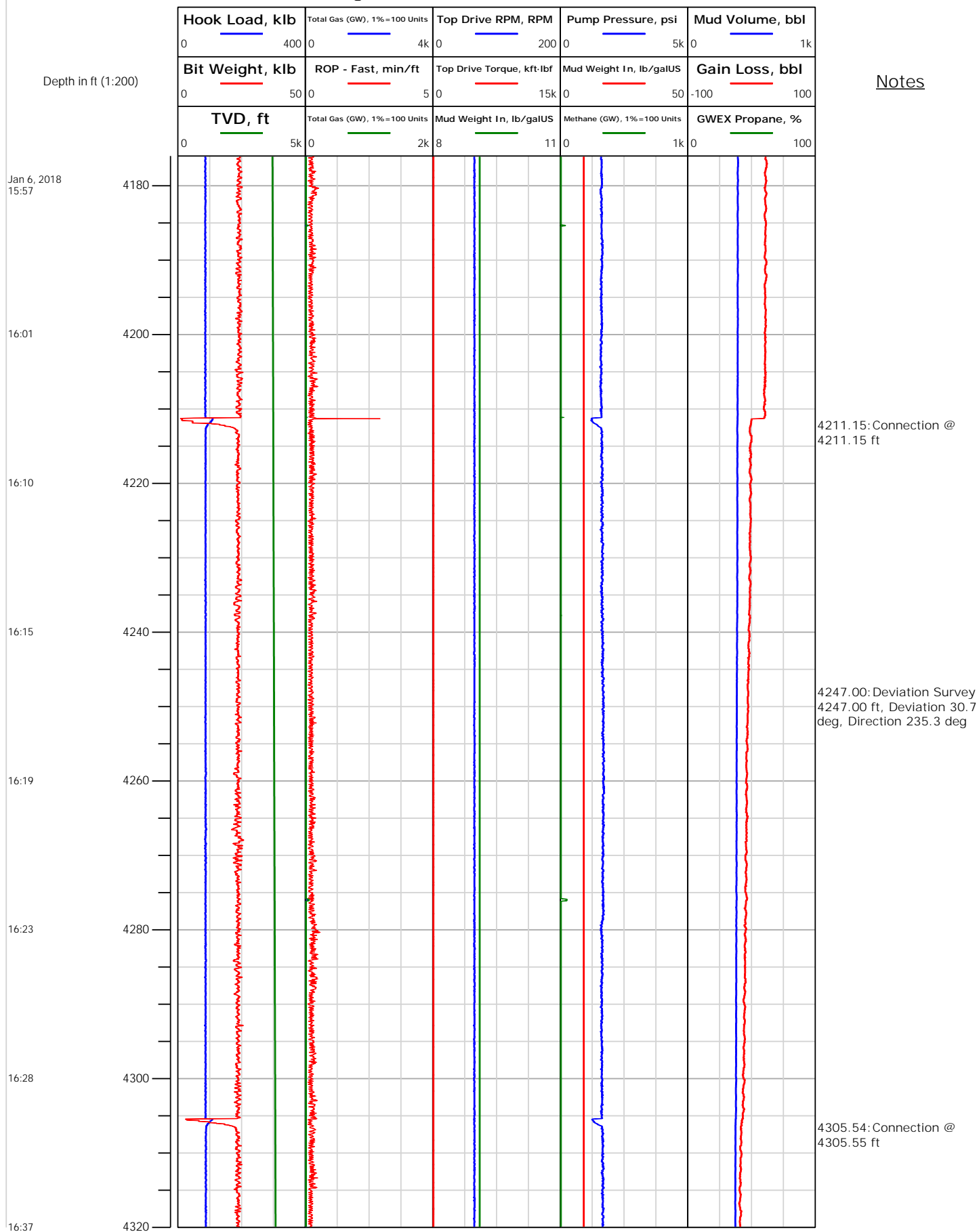
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





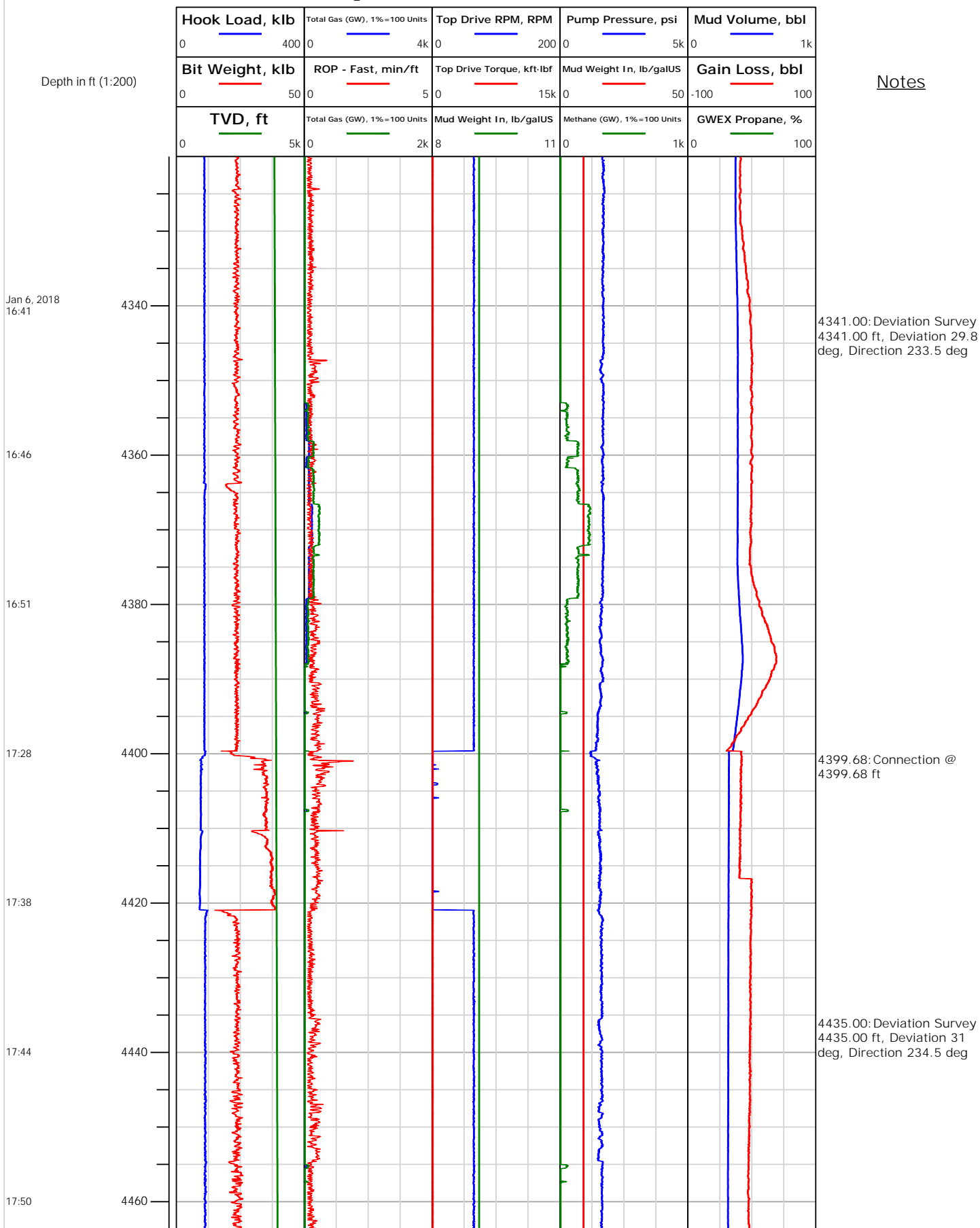
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





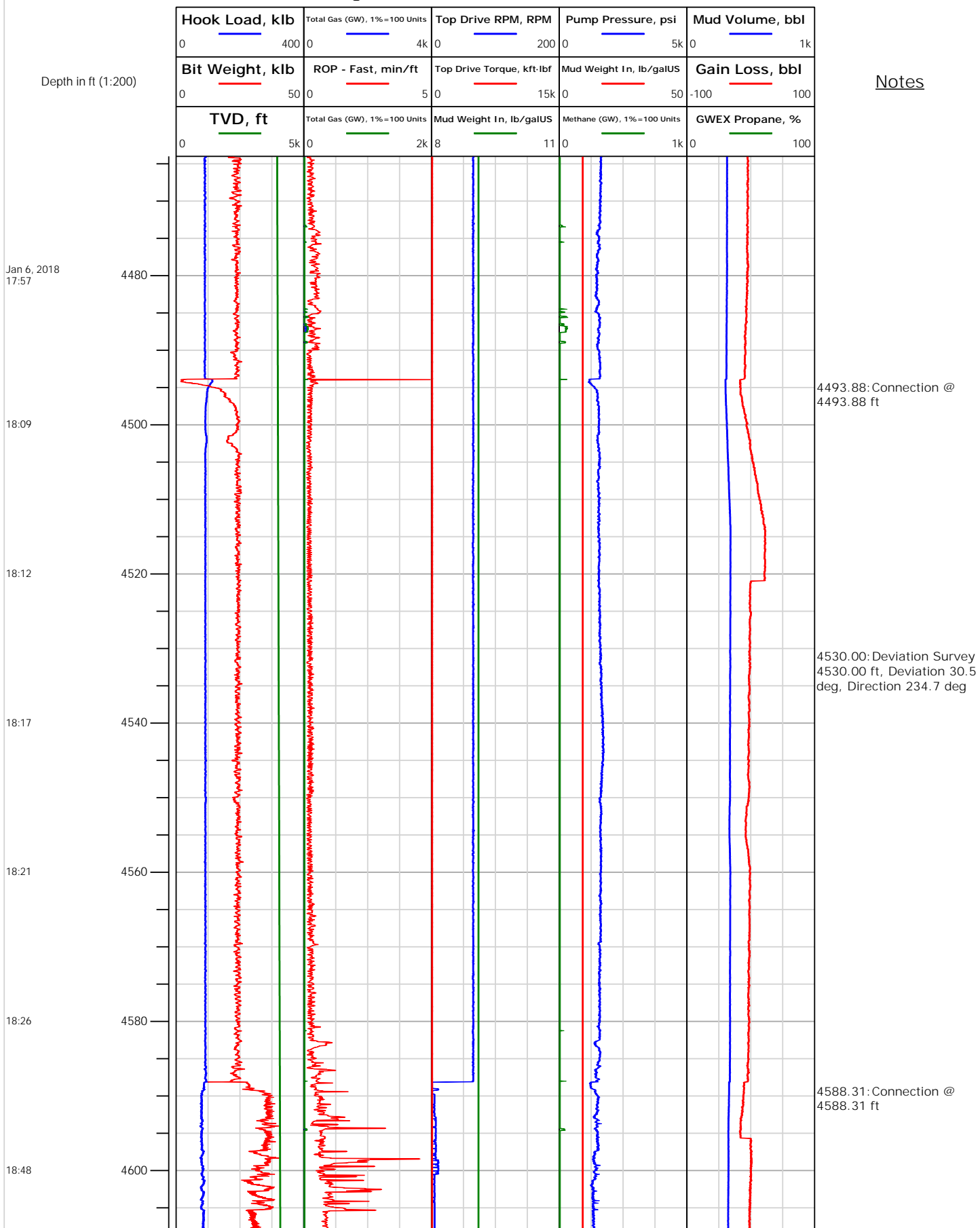
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





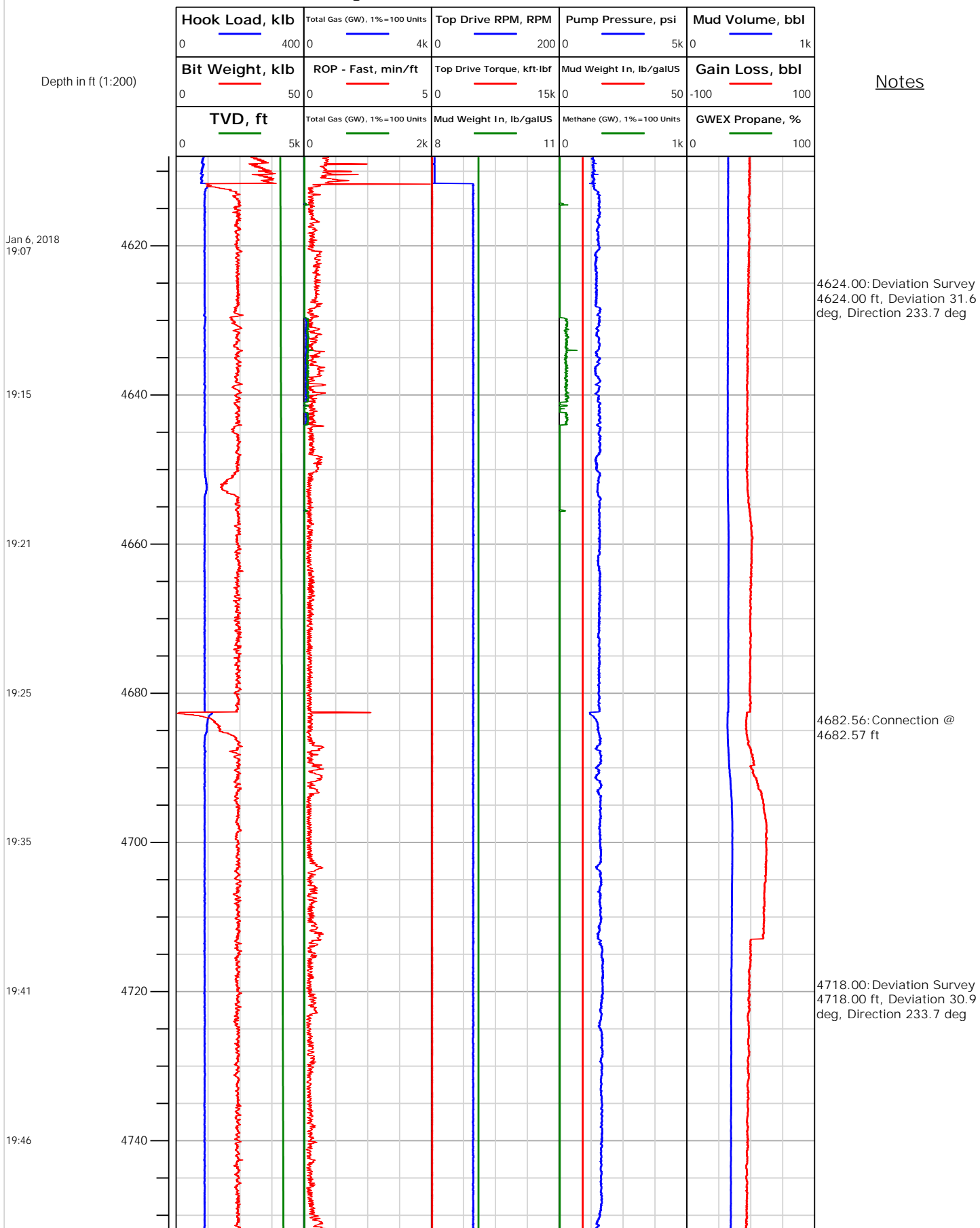
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





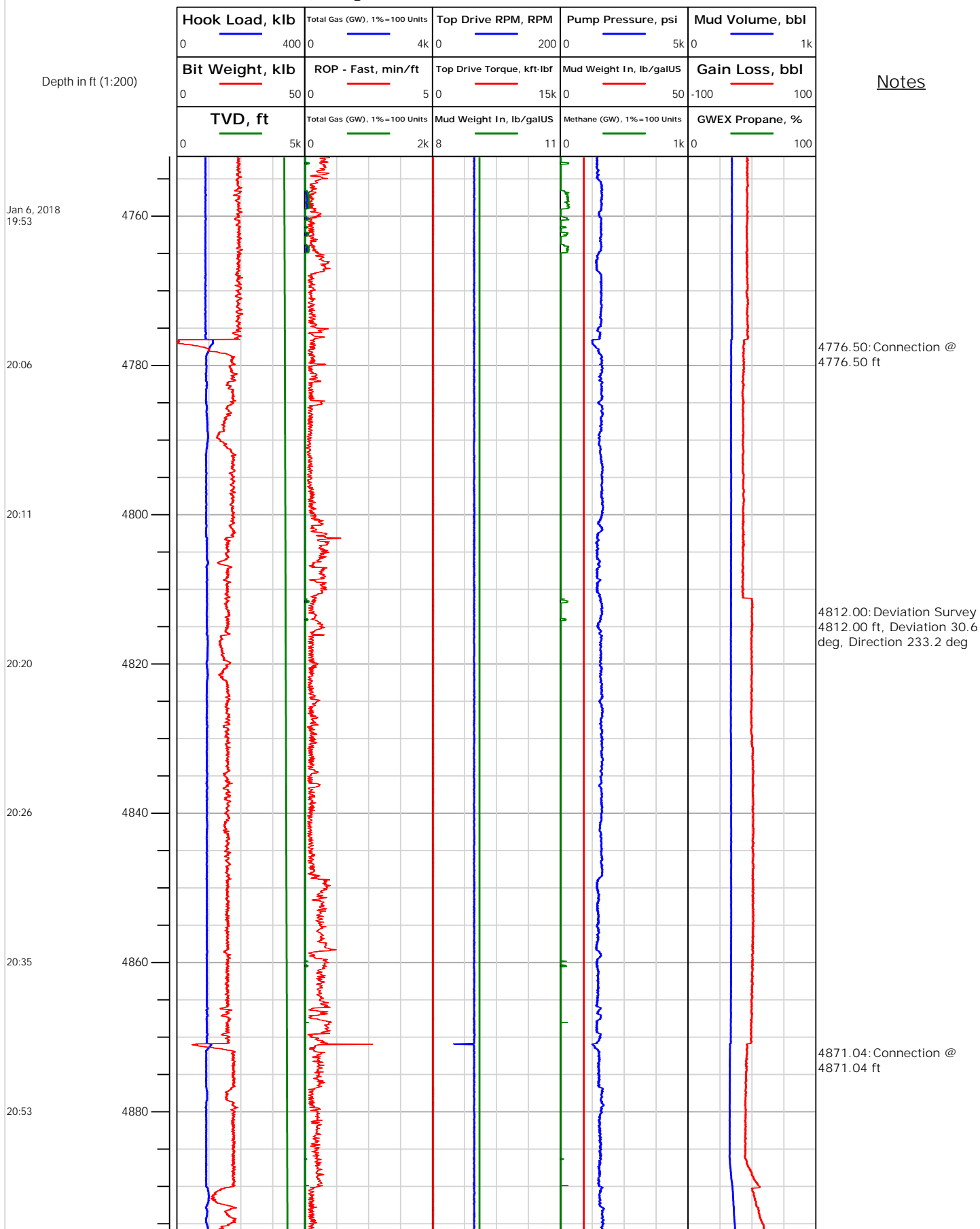
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





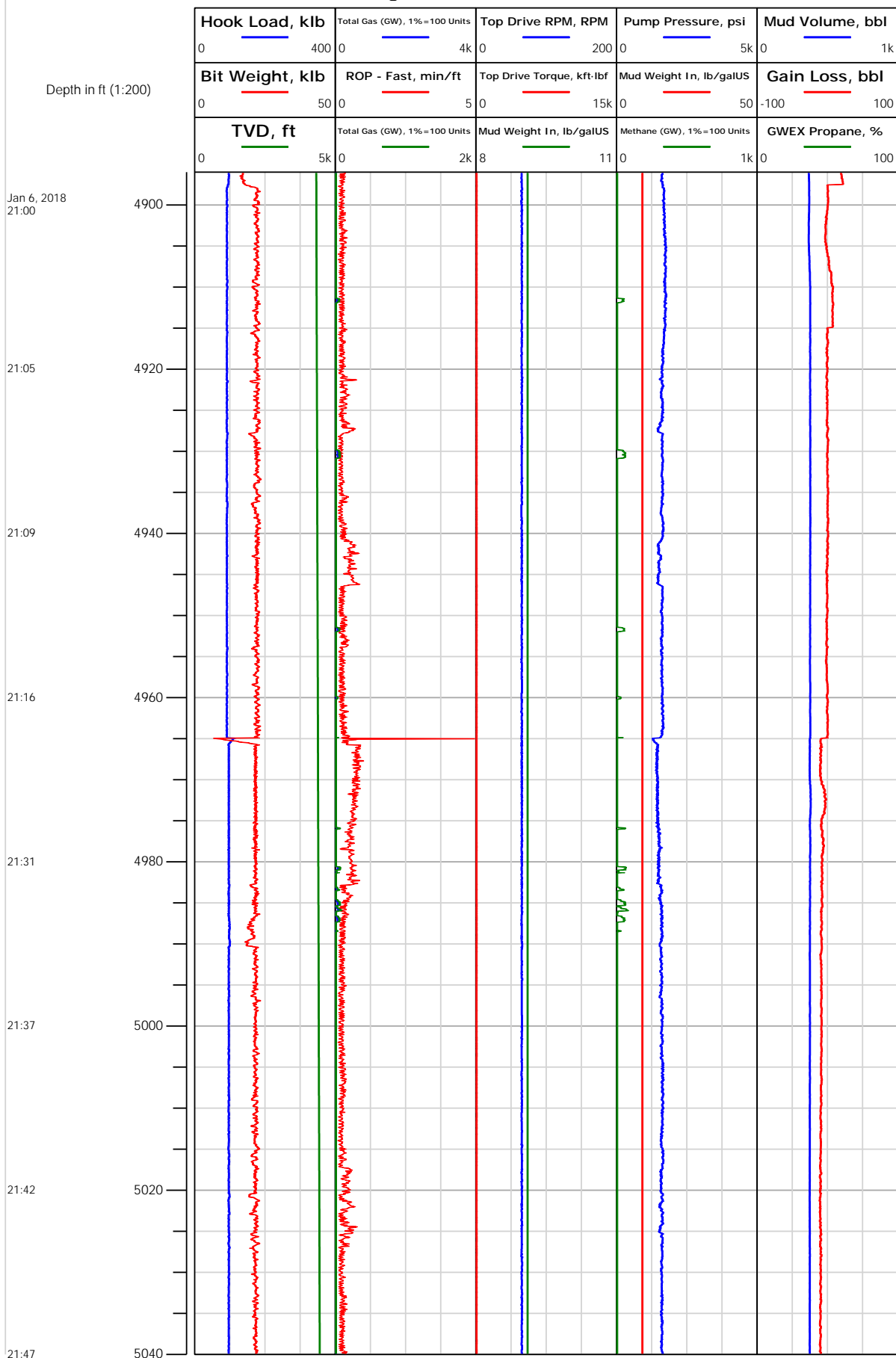
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





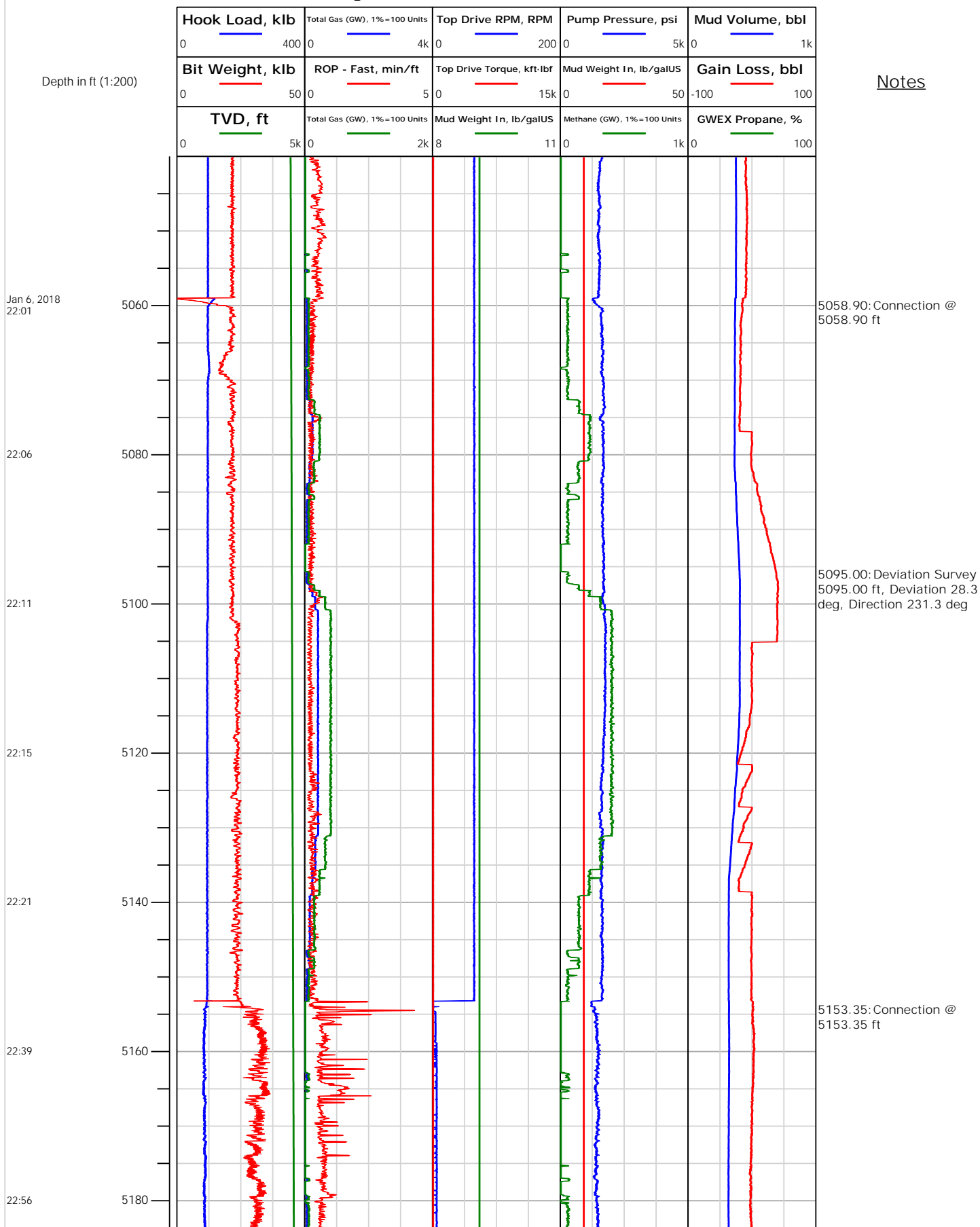
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





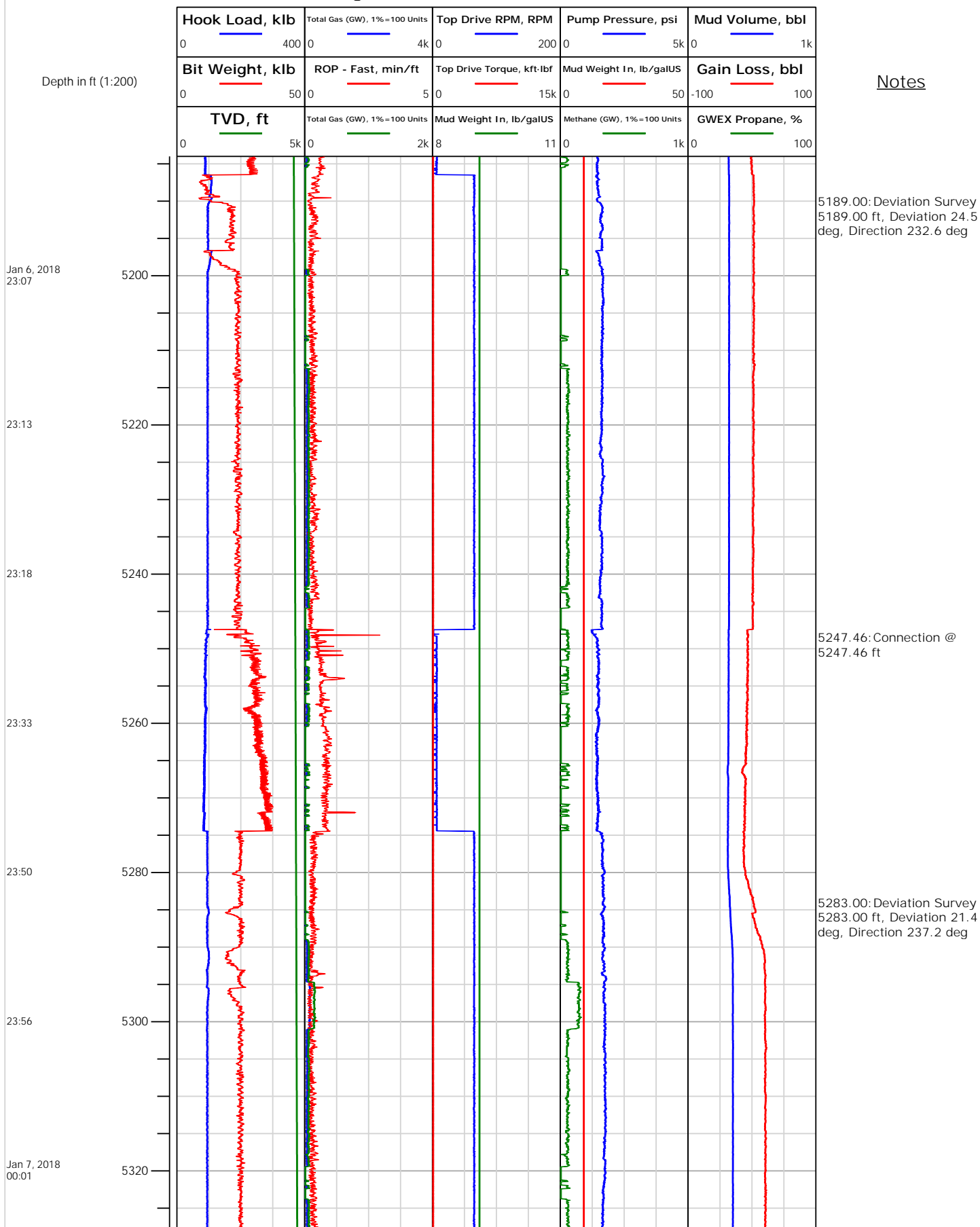
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





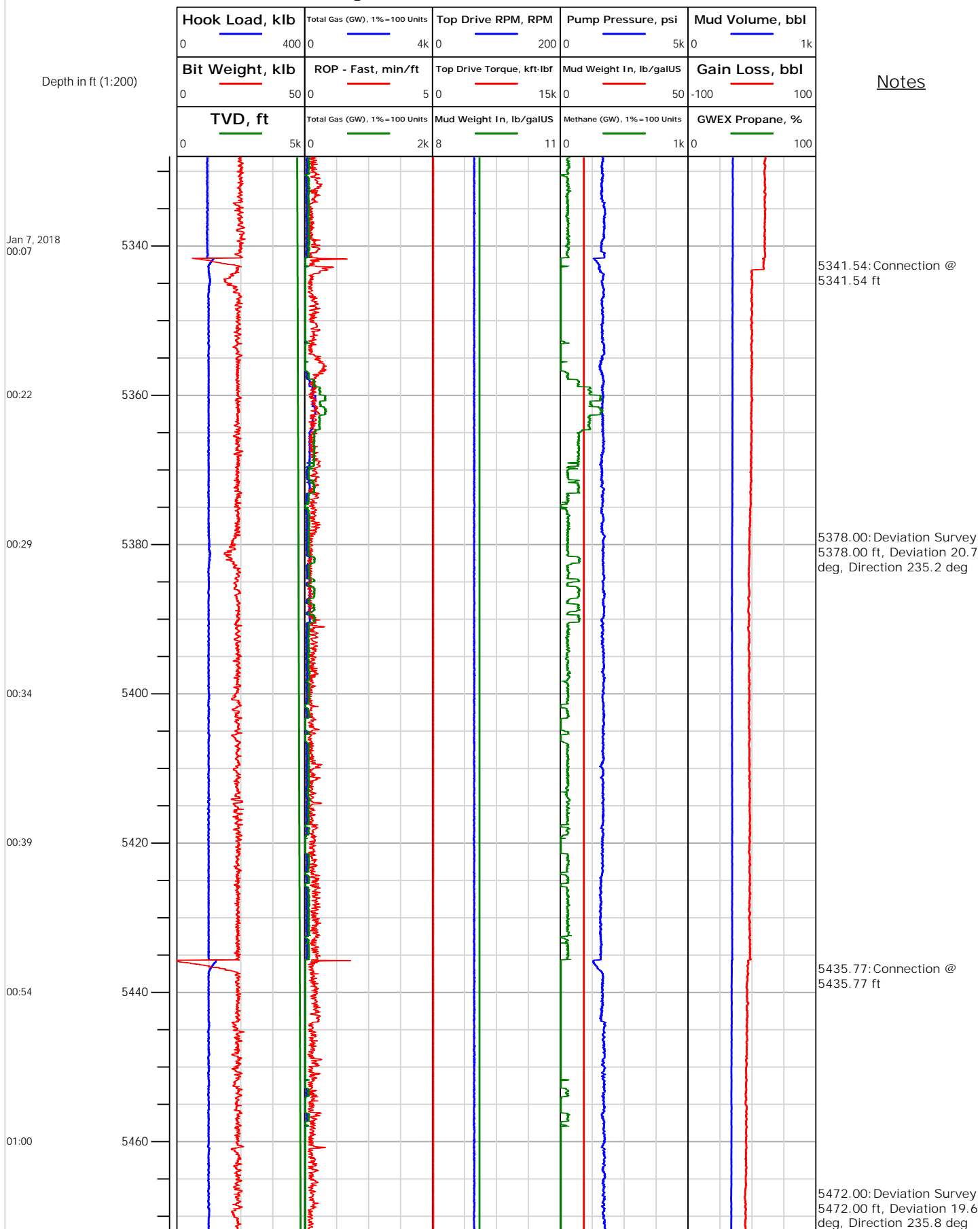
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





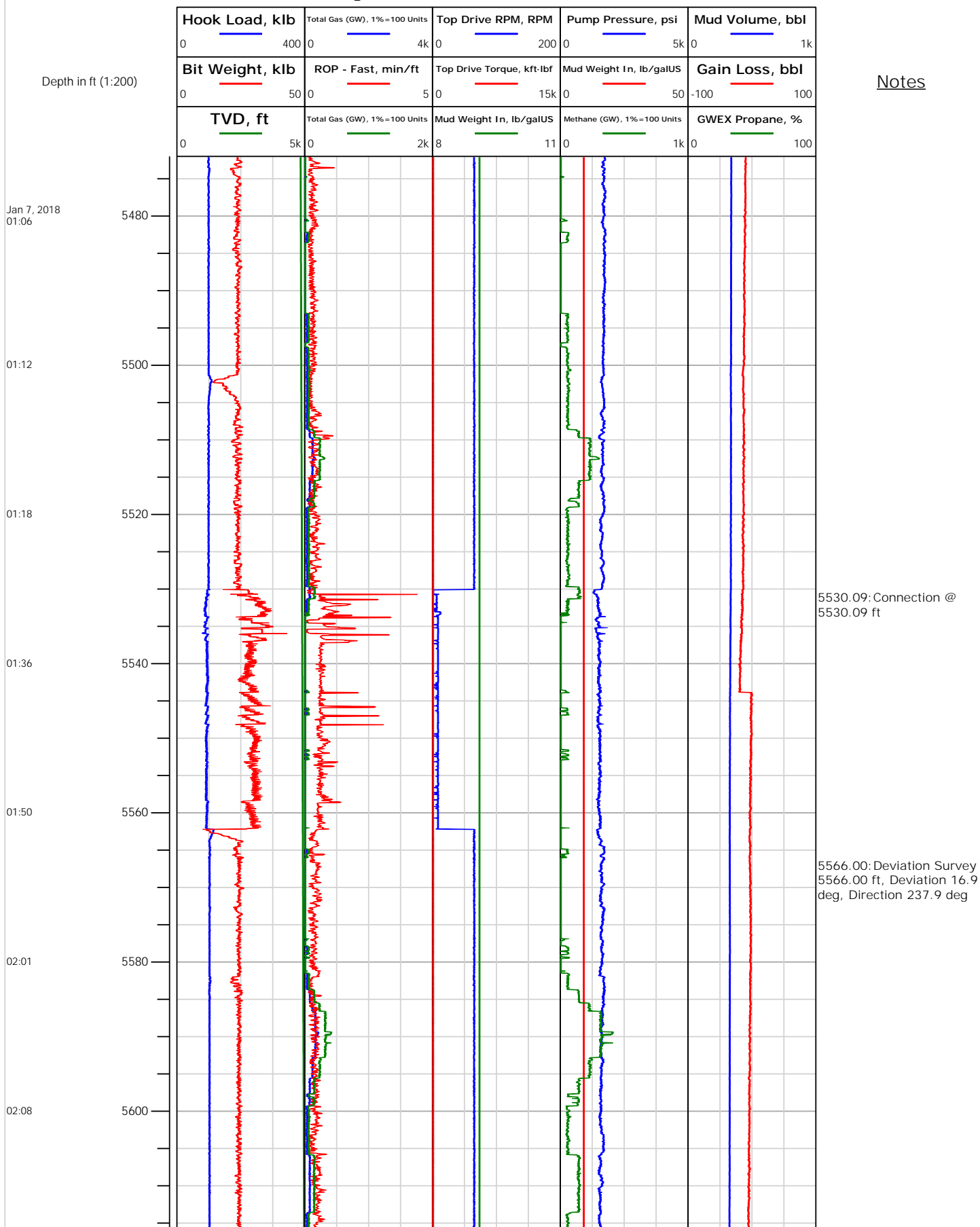
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





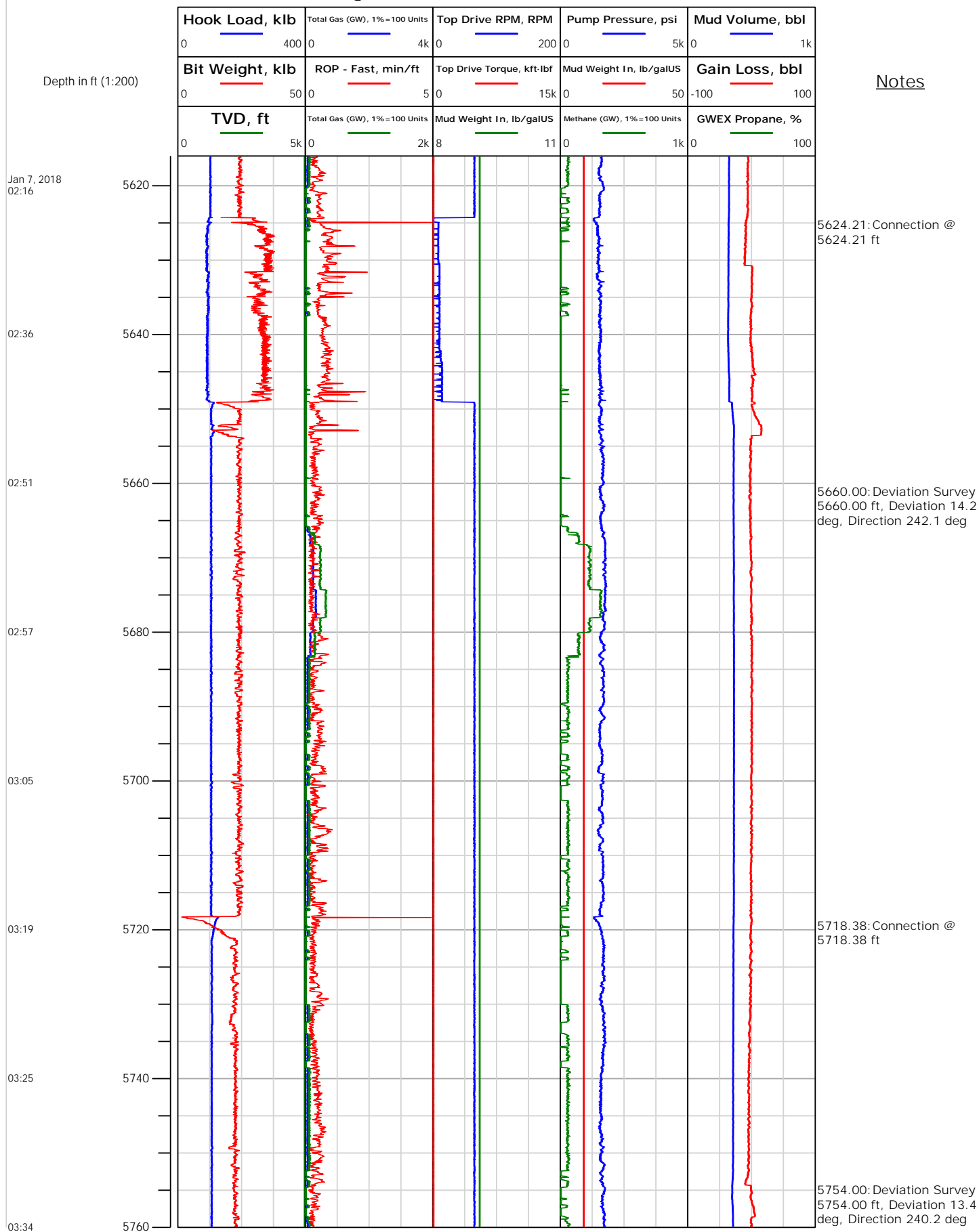
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Rig: 522

Location:

Notes





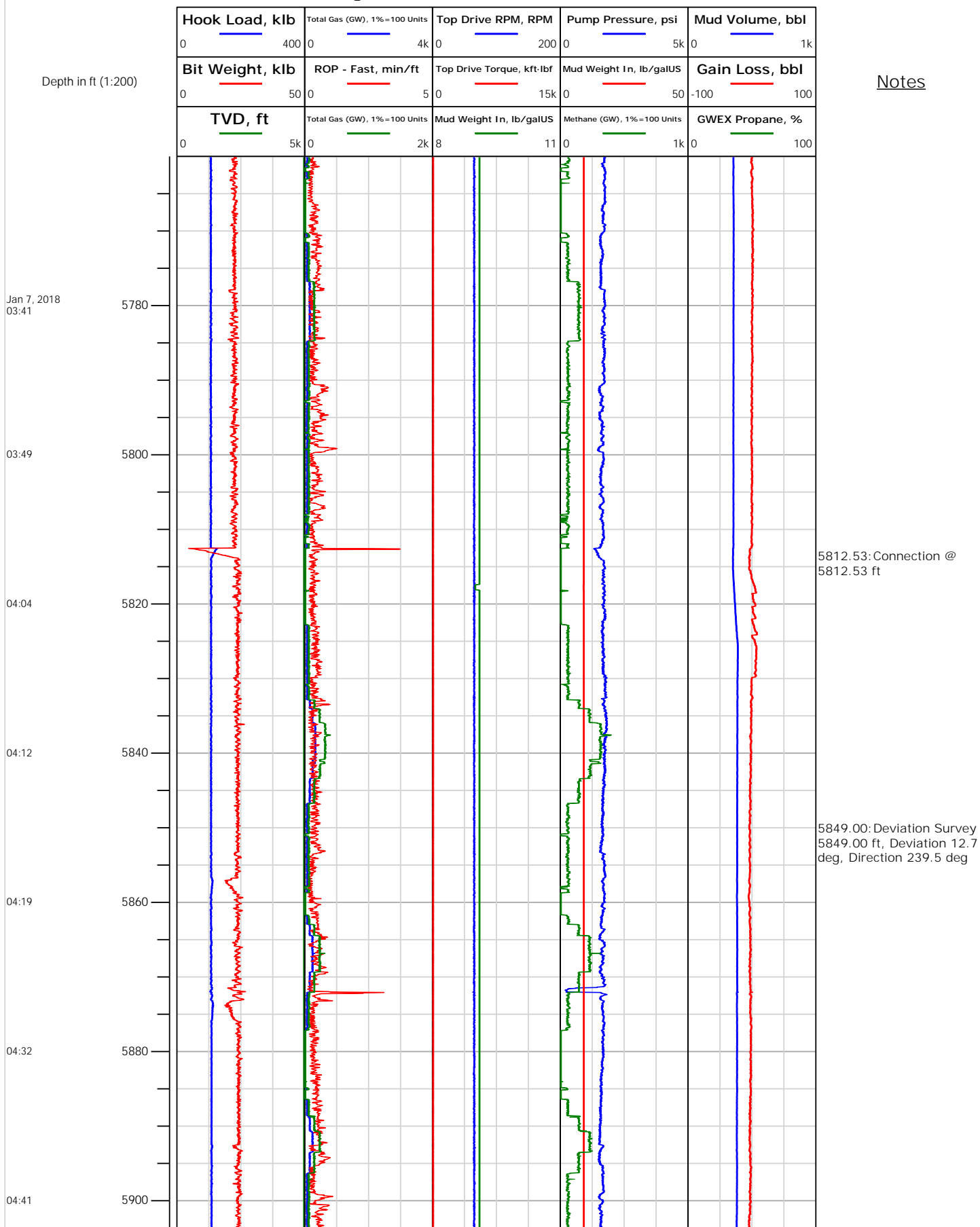
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Rig: 522

Location:

Notes





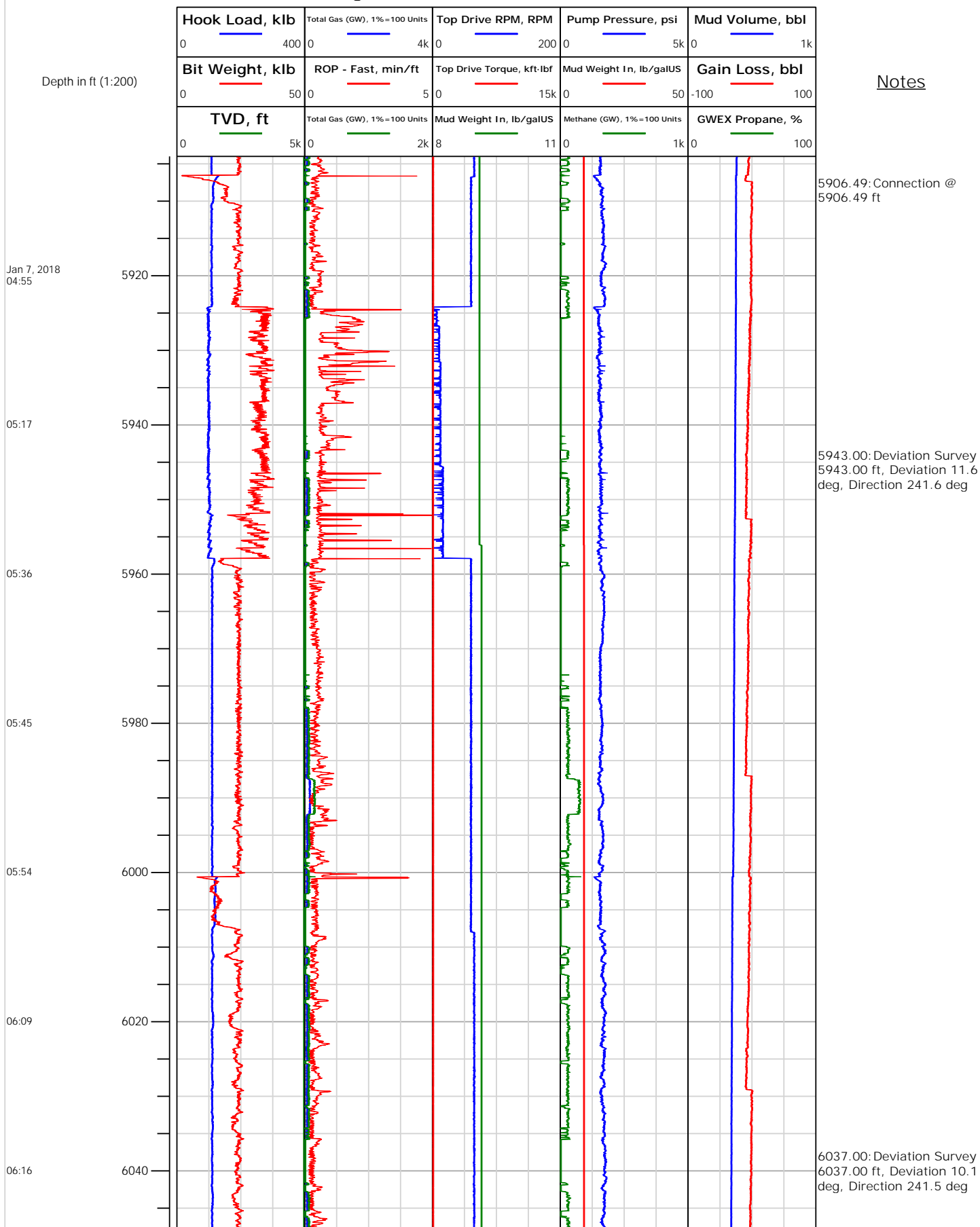
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





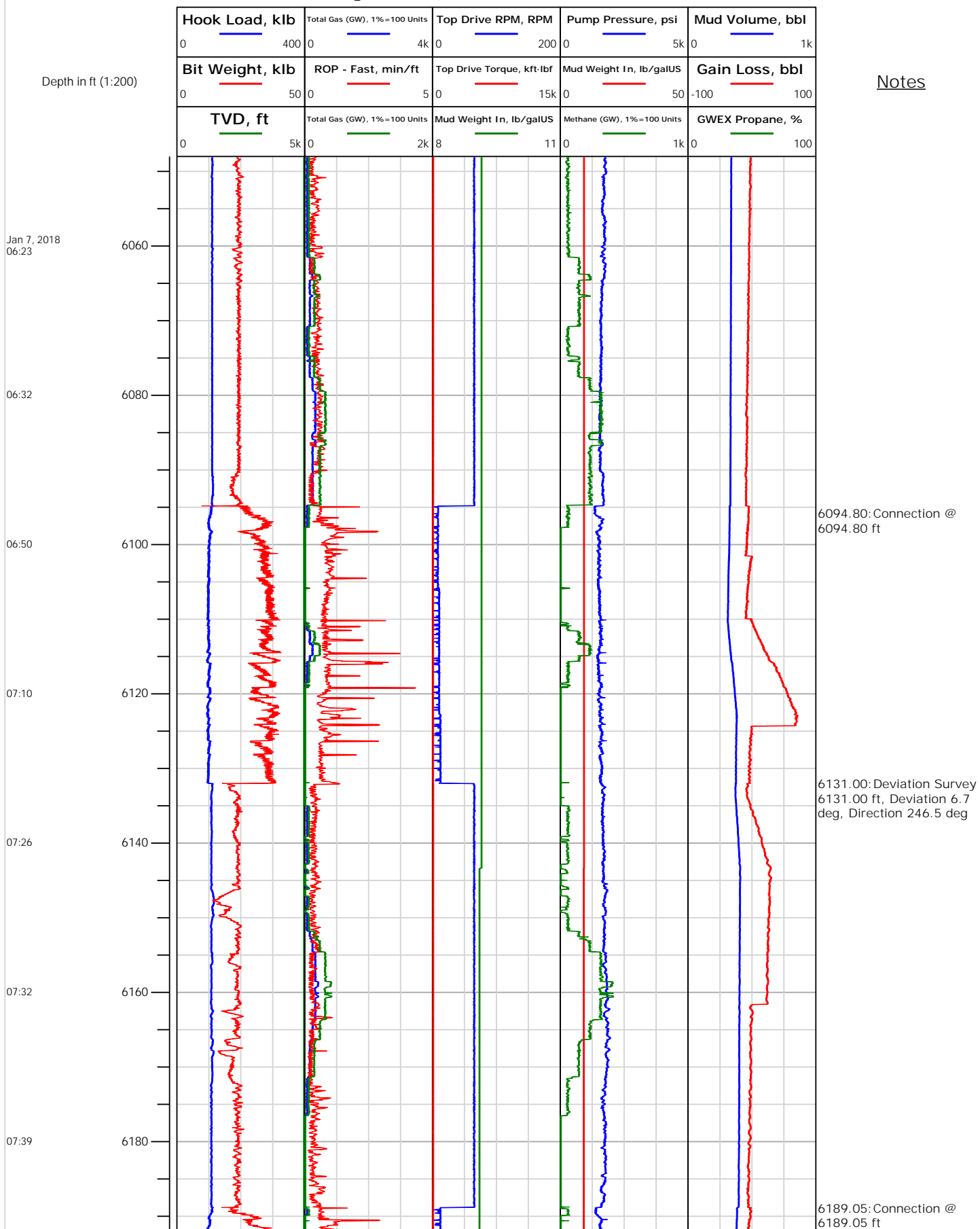
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Rig: 522

Location:

Notes





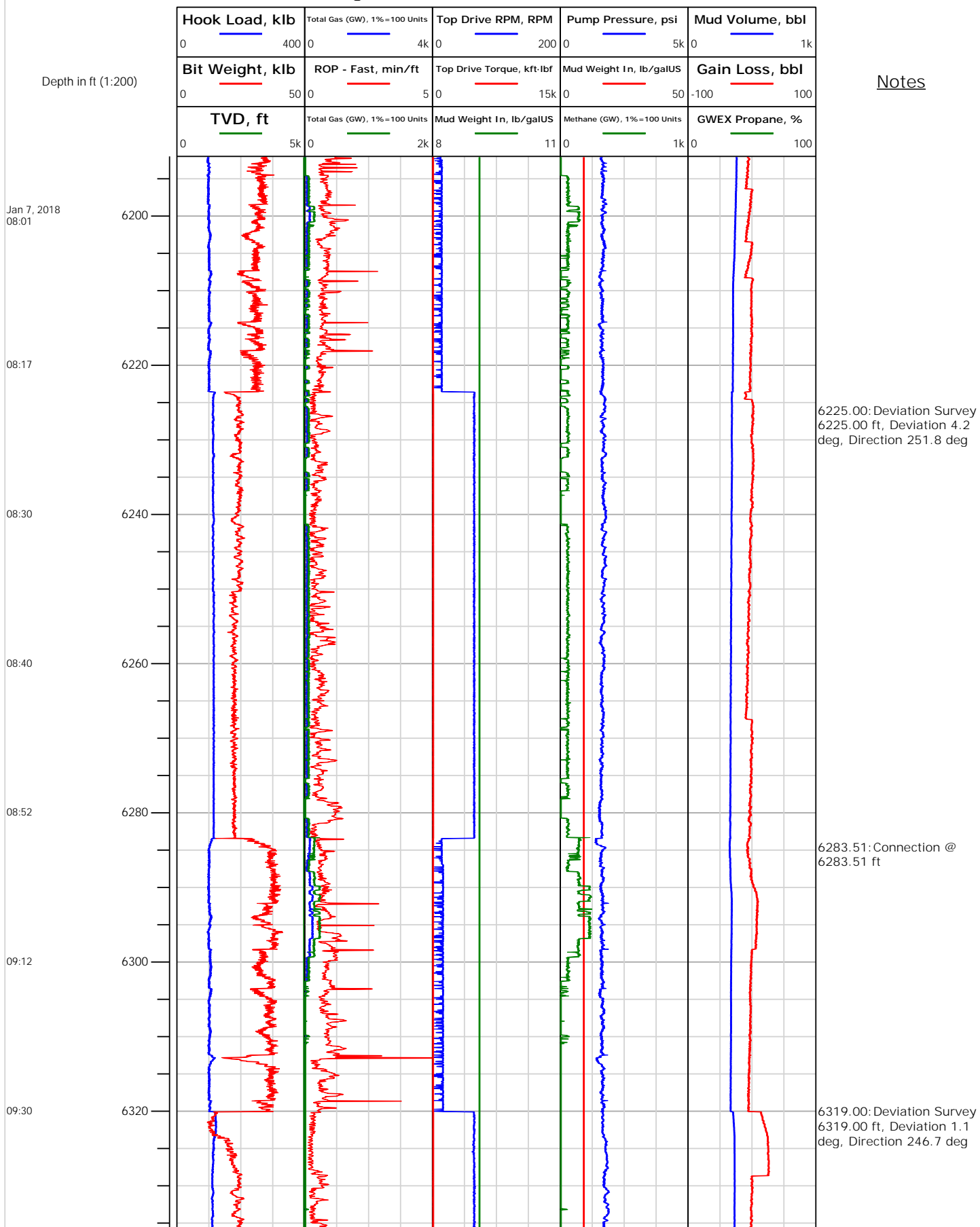
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Rig: 522

Location:

Notes





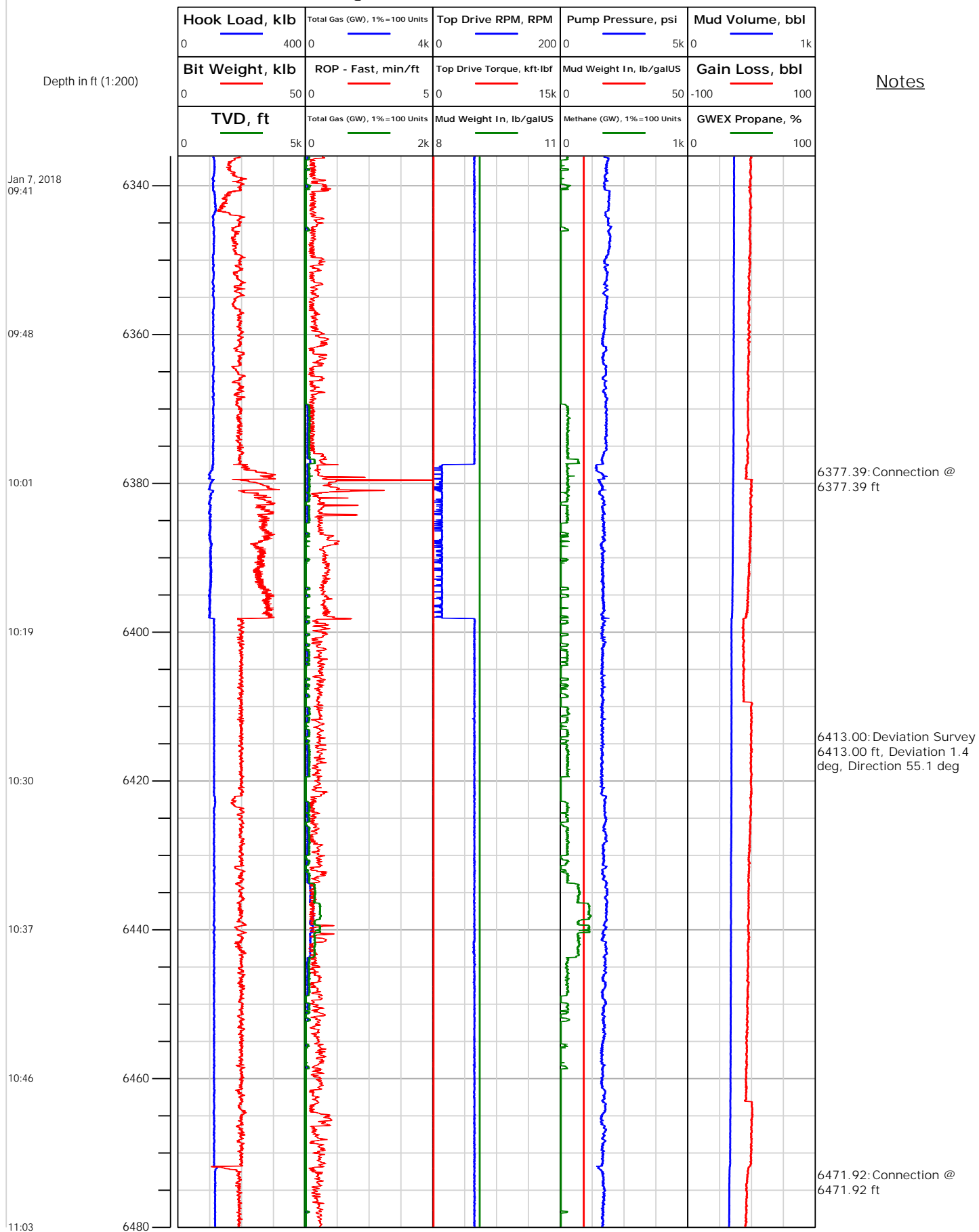
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Rig: 522

Location:

Notes





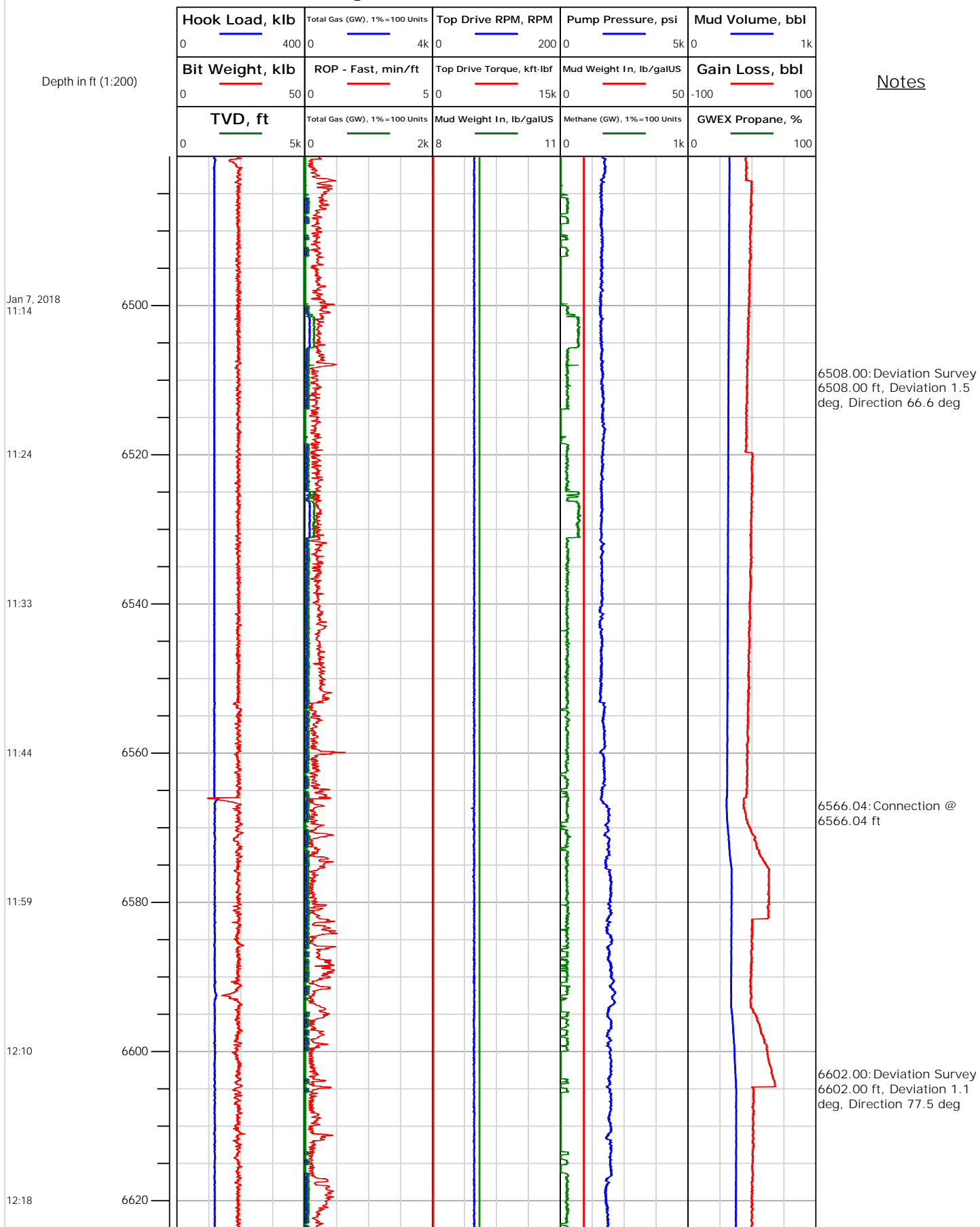
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Rig: 522

Location:

Notes





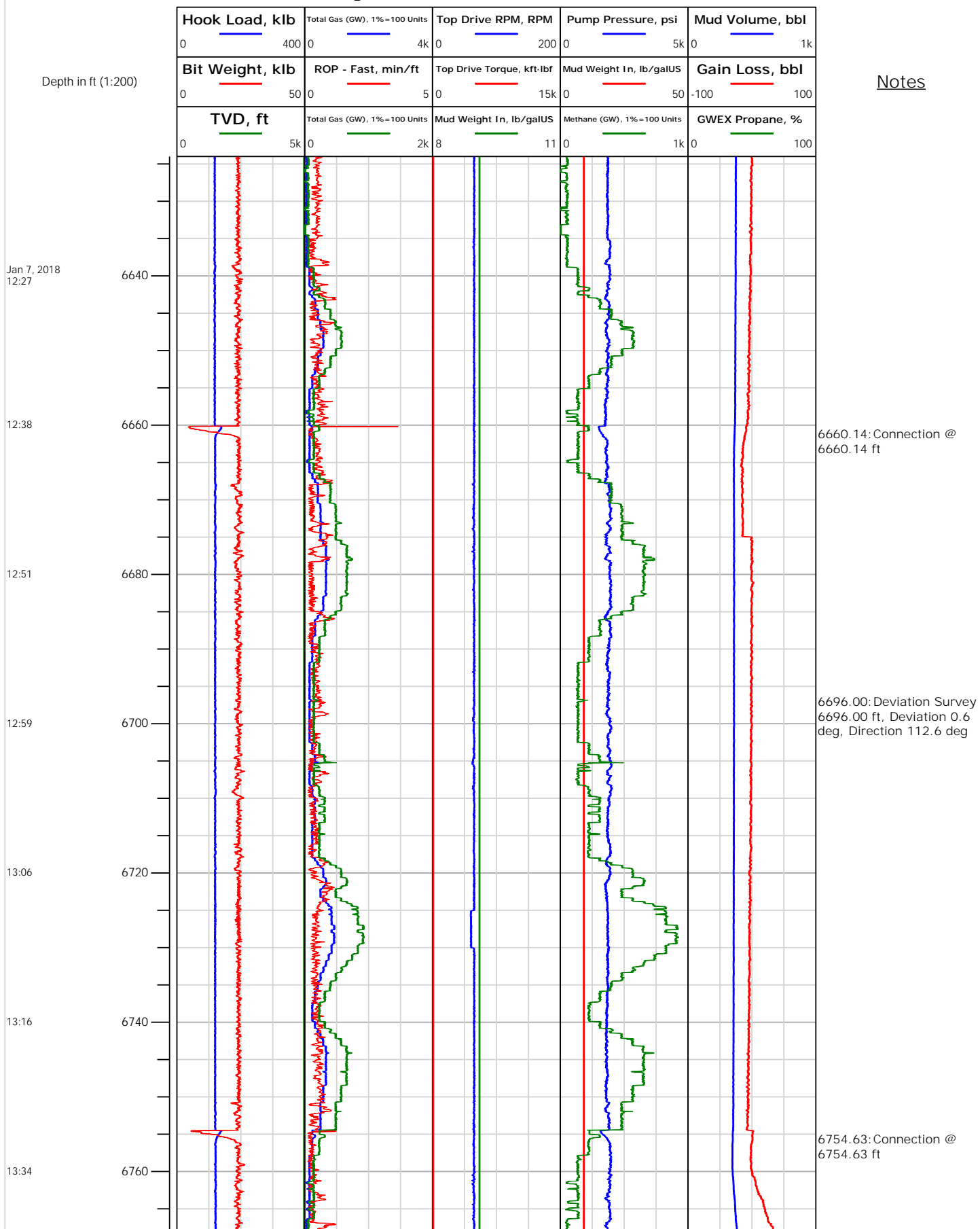
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Location:

Notes





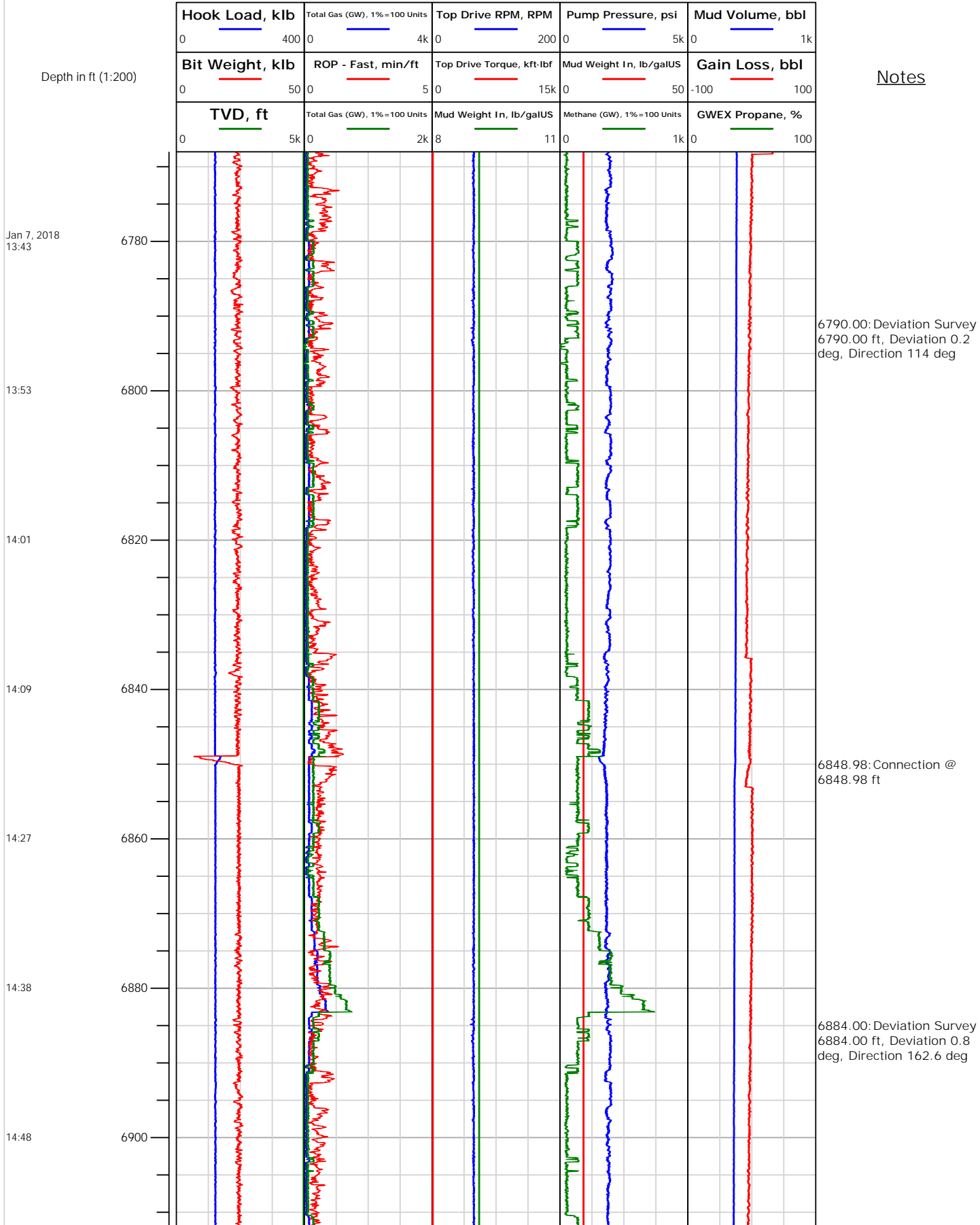
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Contractor: Helmerich & Payne Drlg Co

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Location:

Notes





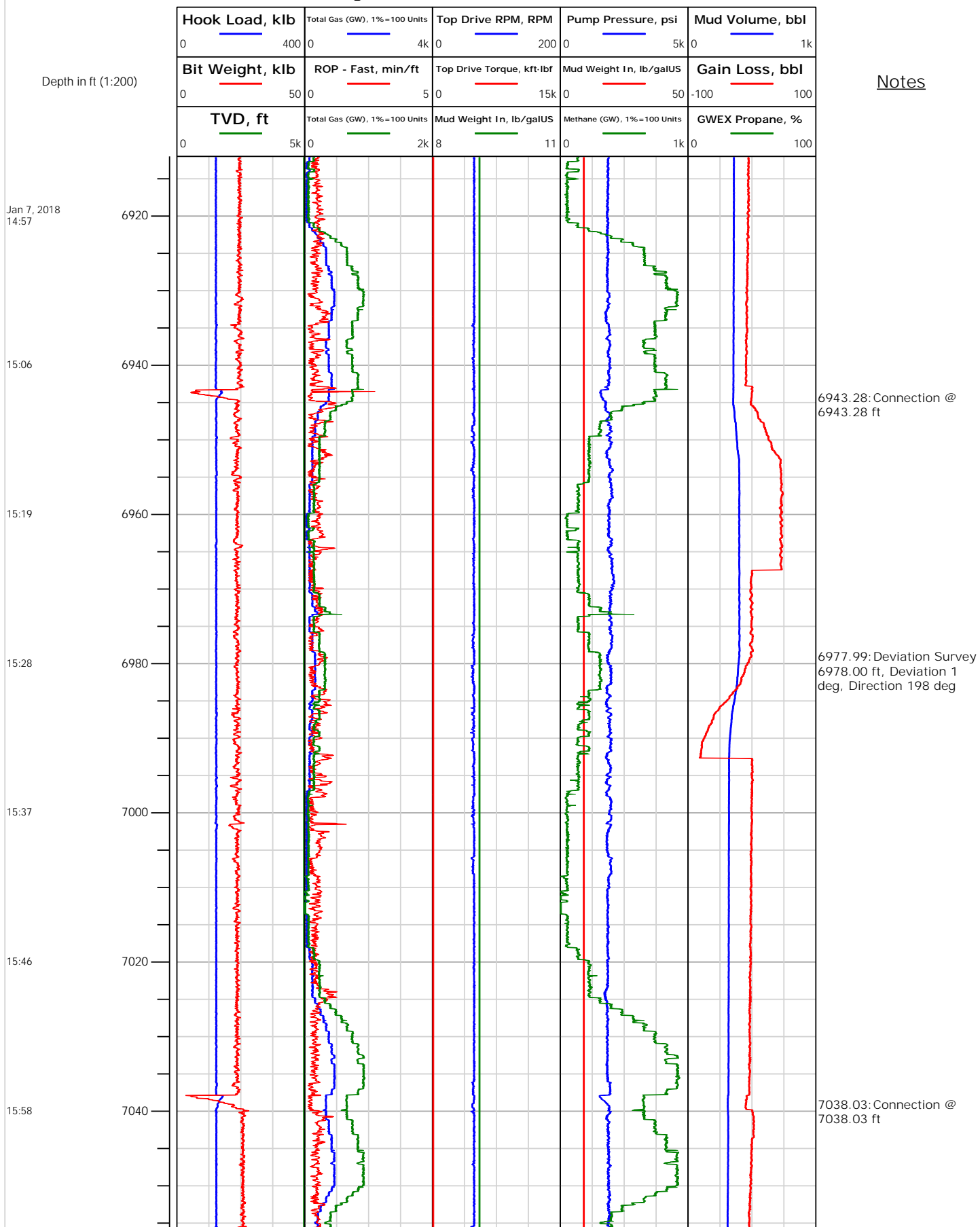
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





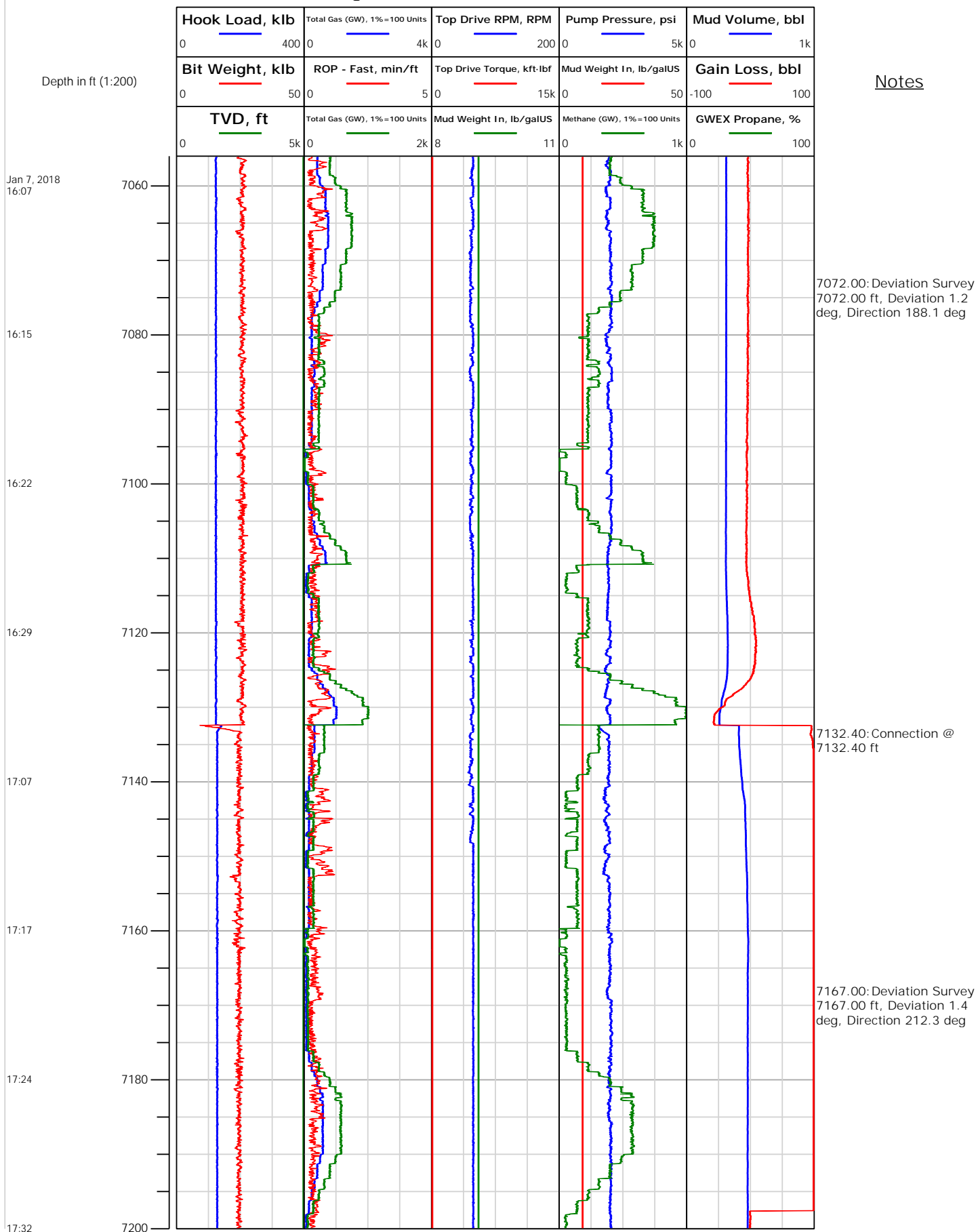
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Rig: 522

Location:

Notes





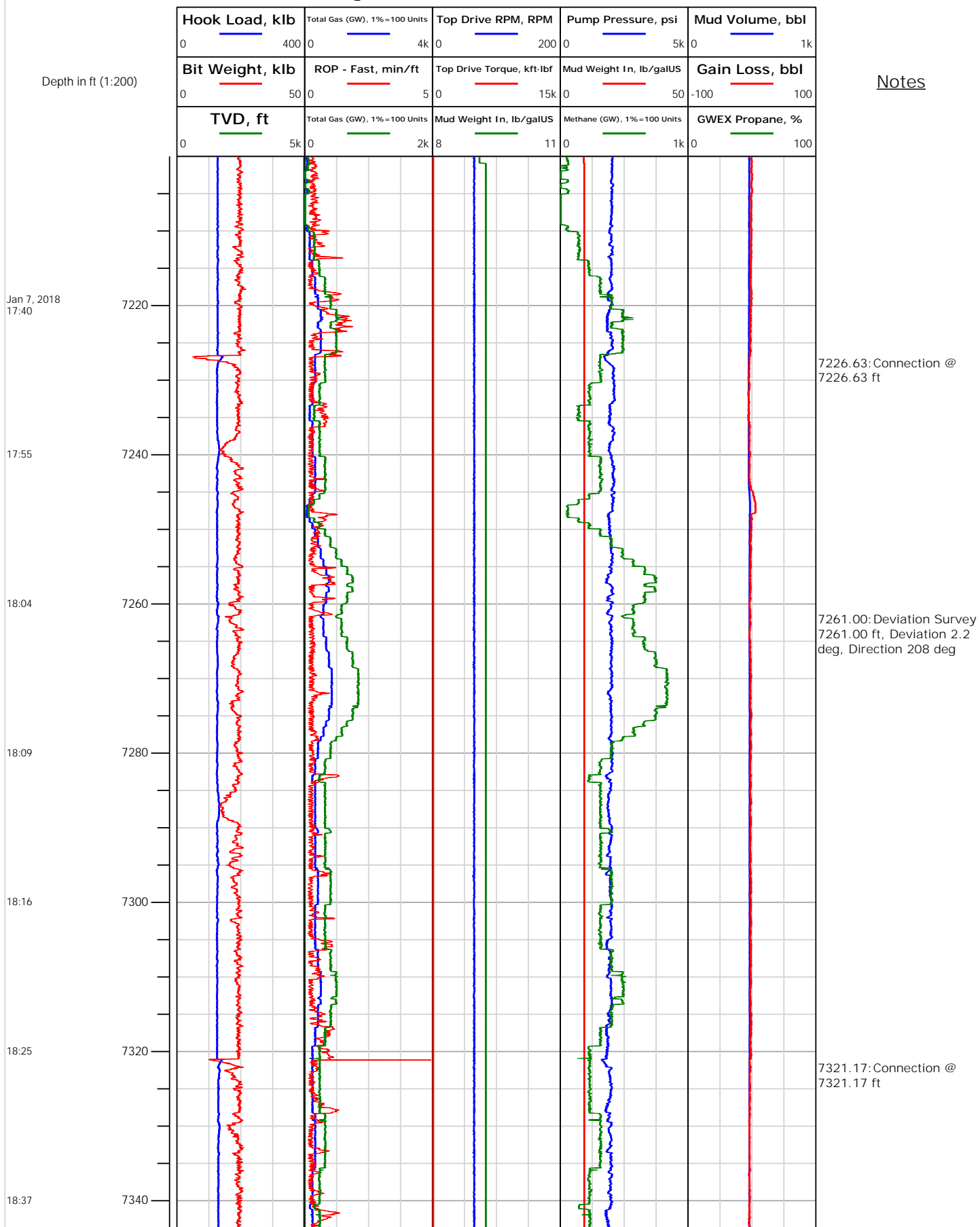
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

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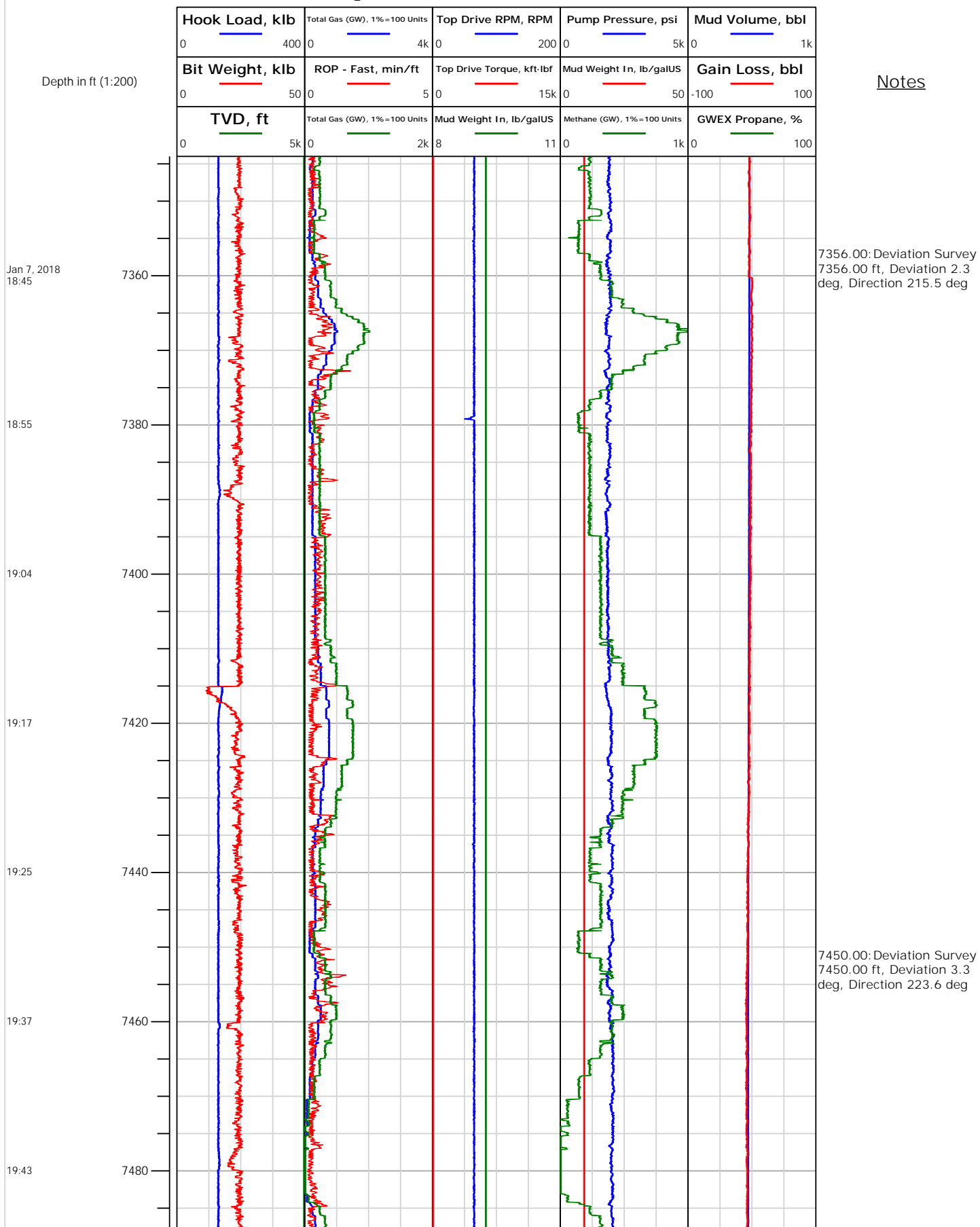
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





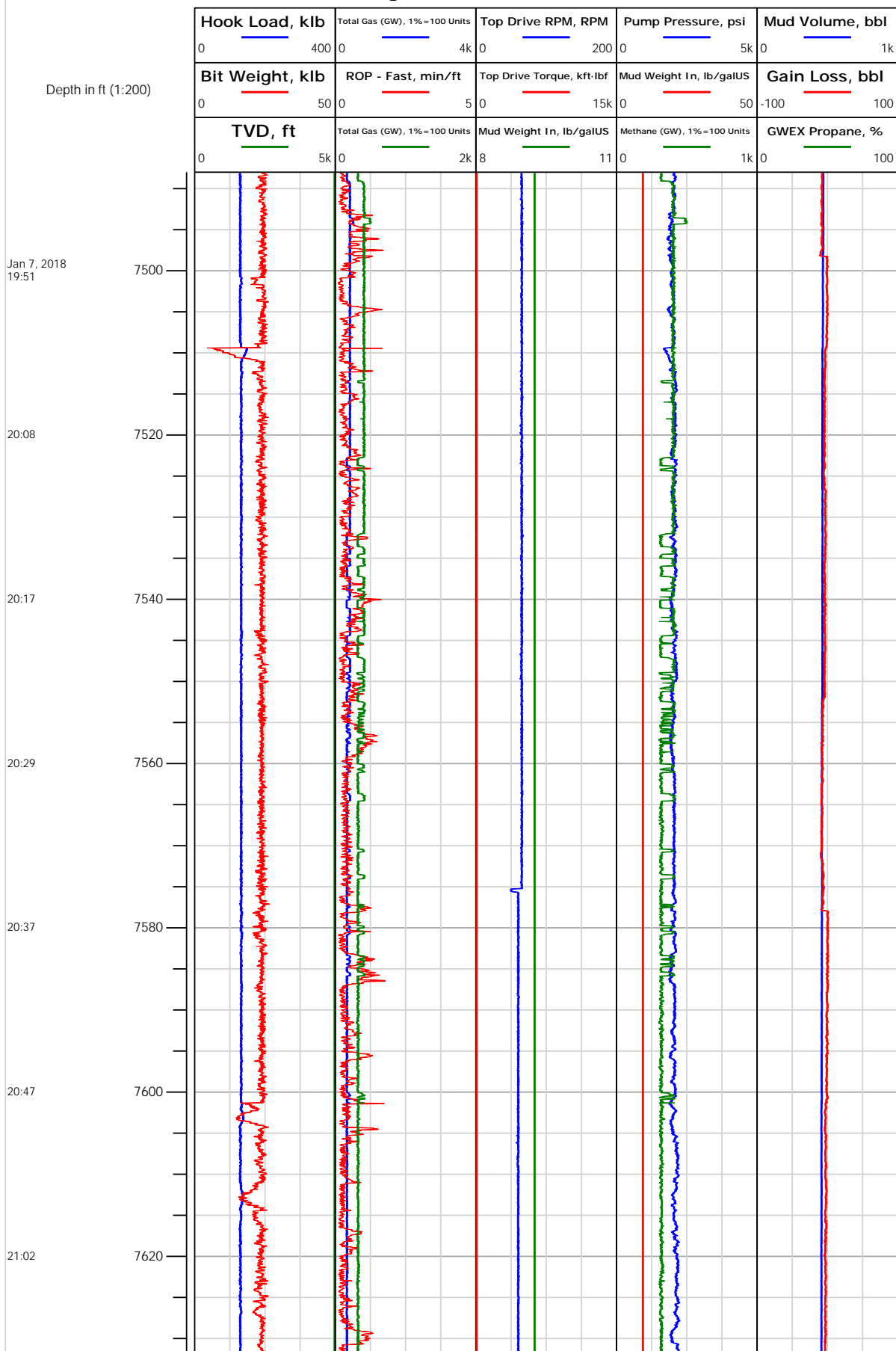
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Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





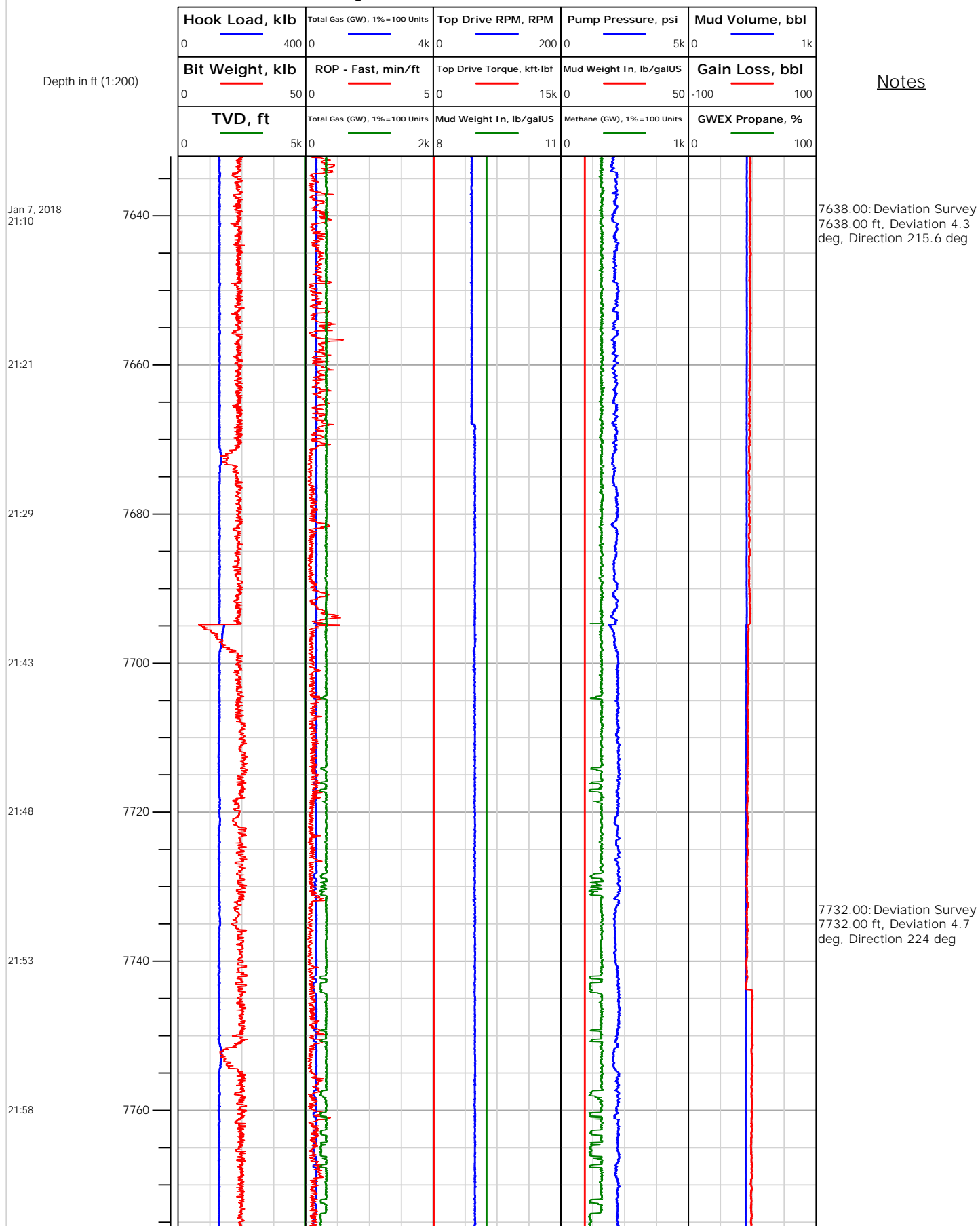
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





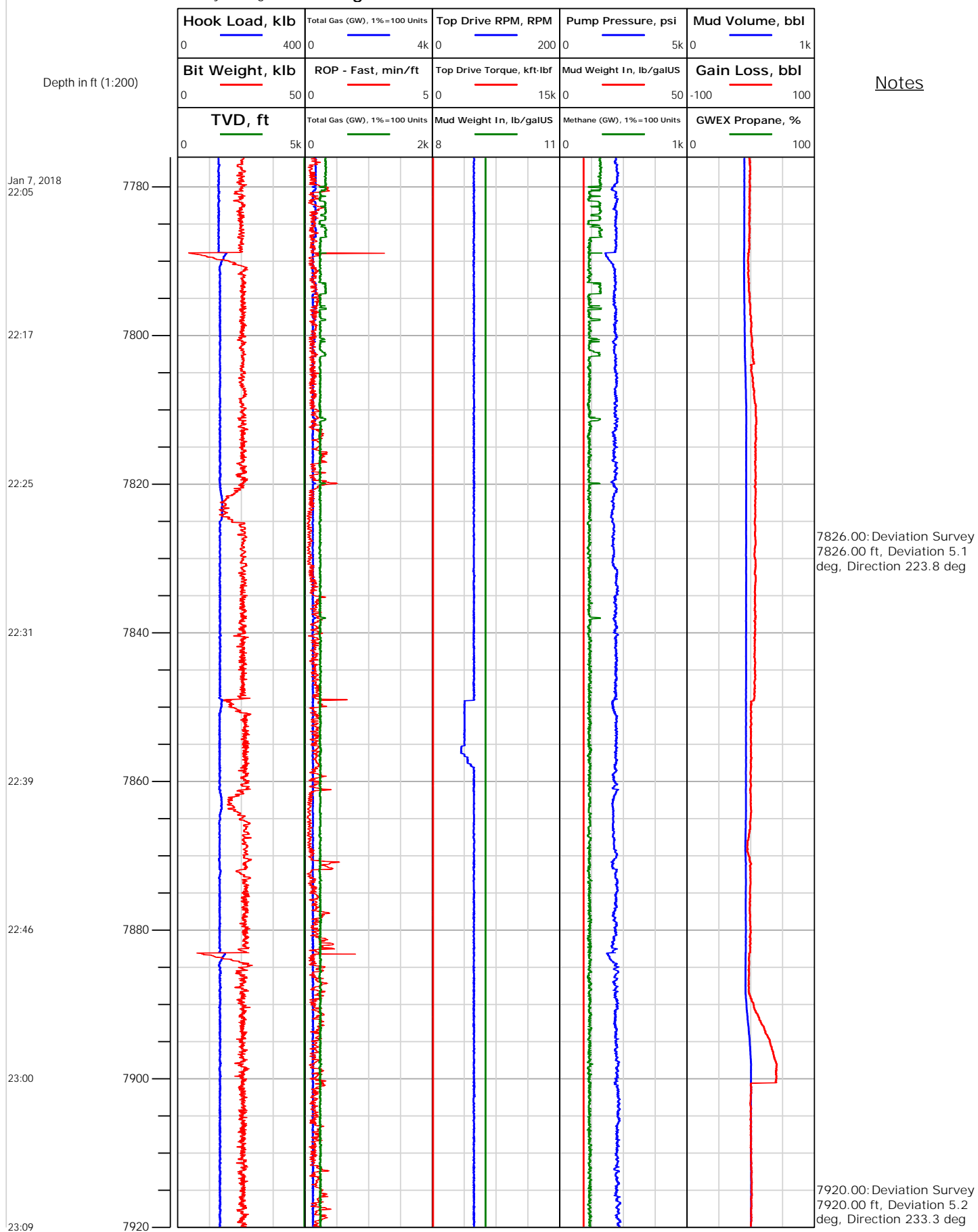
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





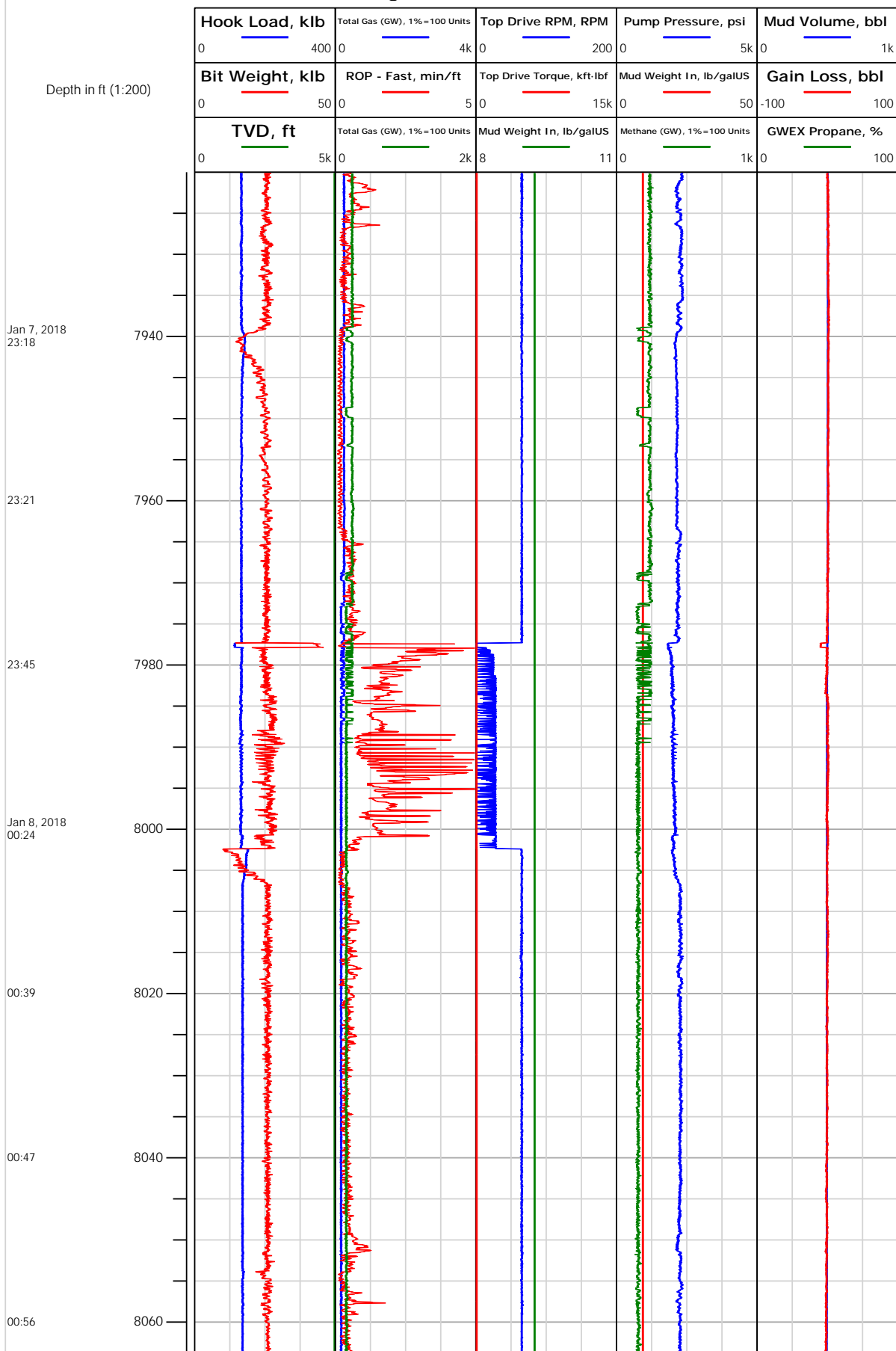
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Contractor: Helmerich & Payne Drlg Co

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Rig: 522

Location:

Notes





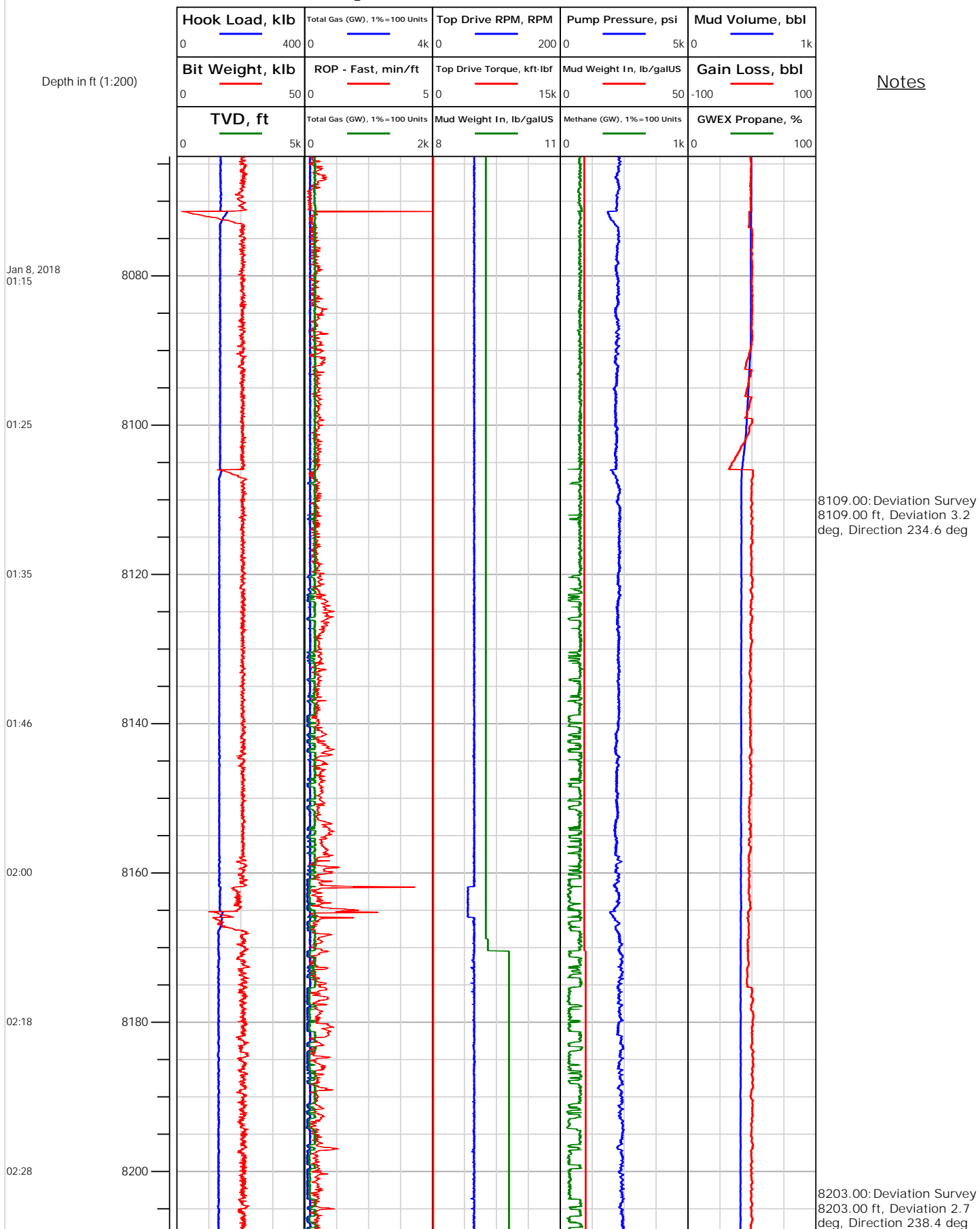
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes





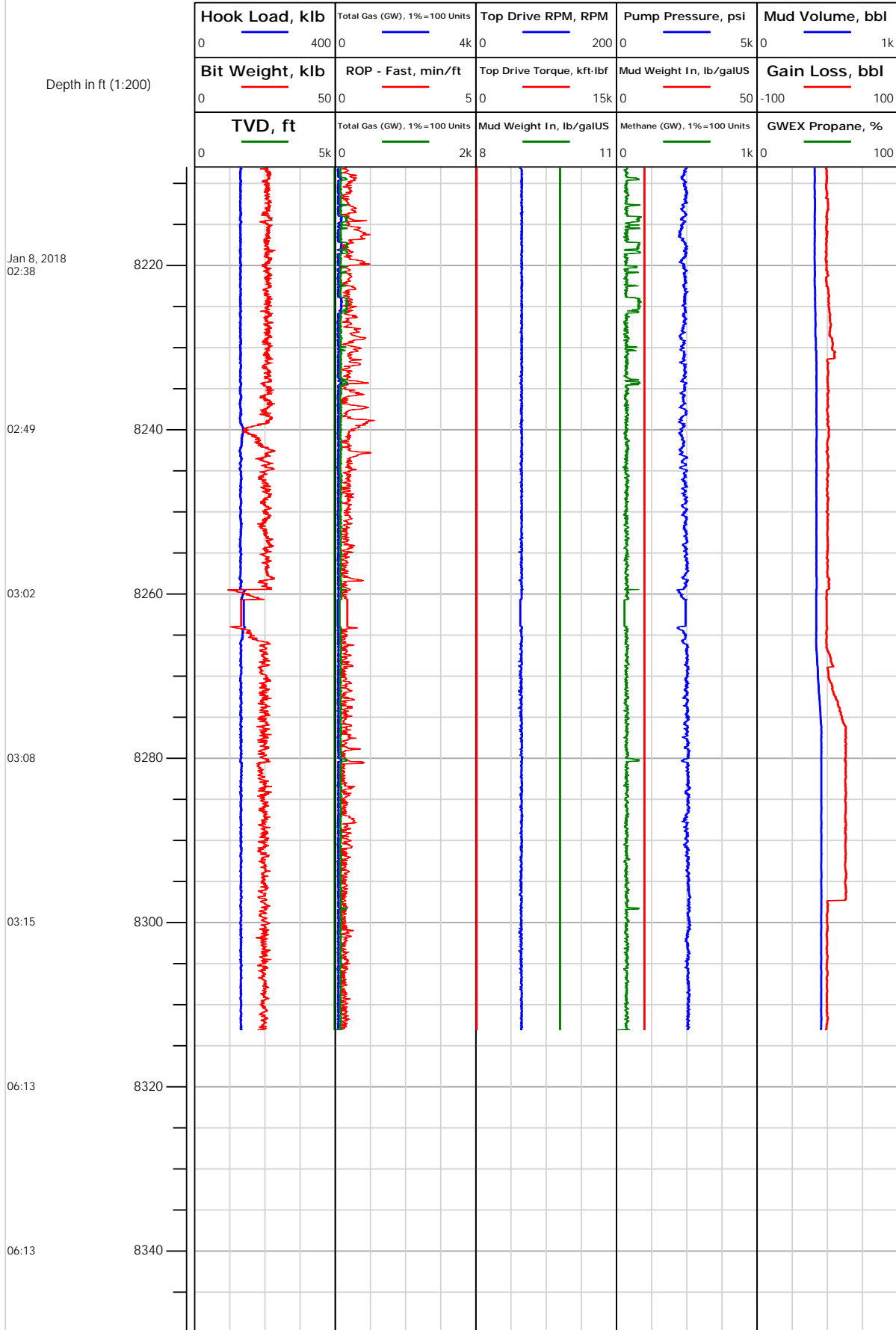
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON FEDERAL 30-17W
Rig: 522

Location:

Notes



8253.00: Deviation Survey
8253.00 ft, Deviation 2.6 deg, Direction 229 deg
8260.69: Rig Floor set Bit Position from 8260.70 ft to 8264.00 ft