



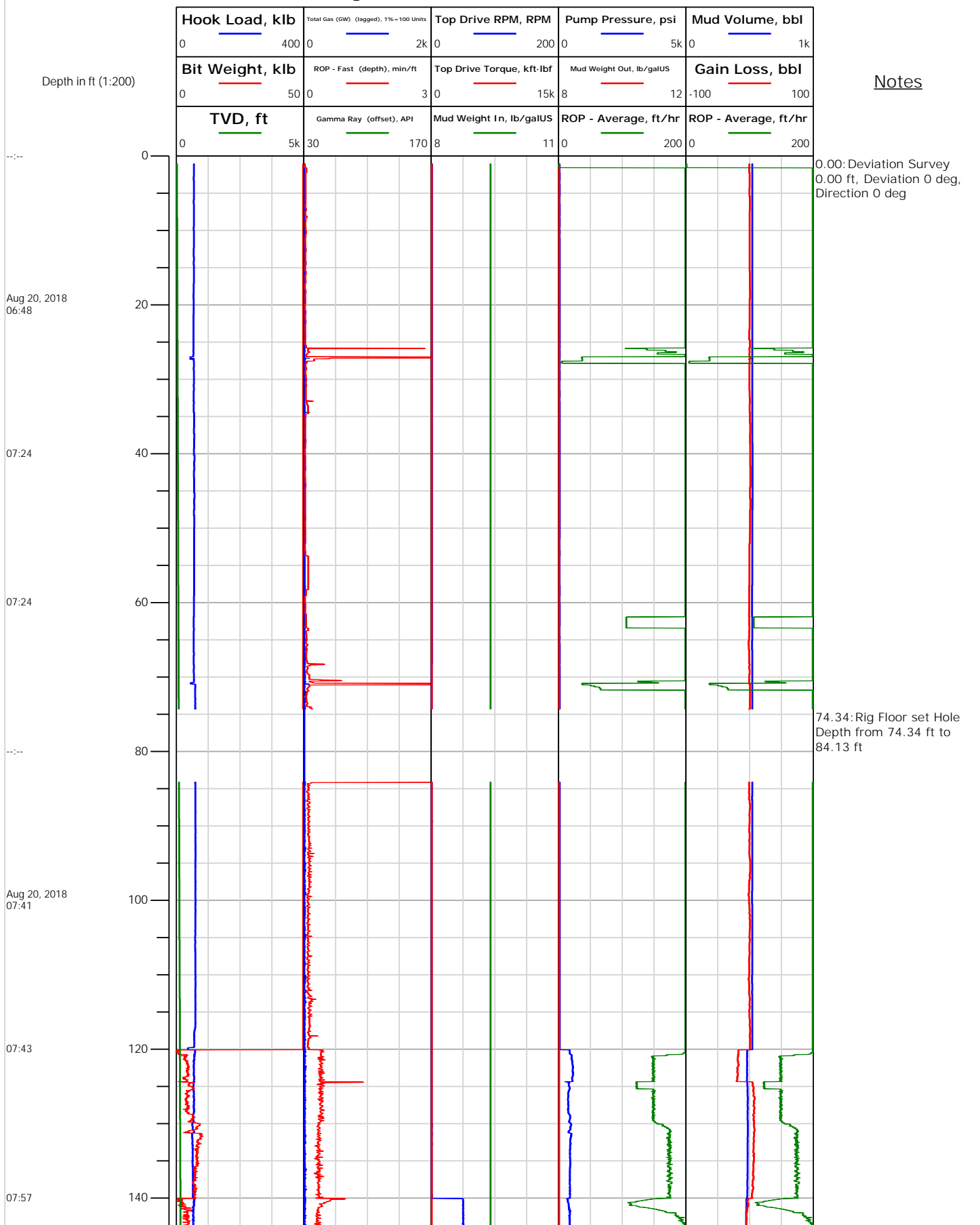
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





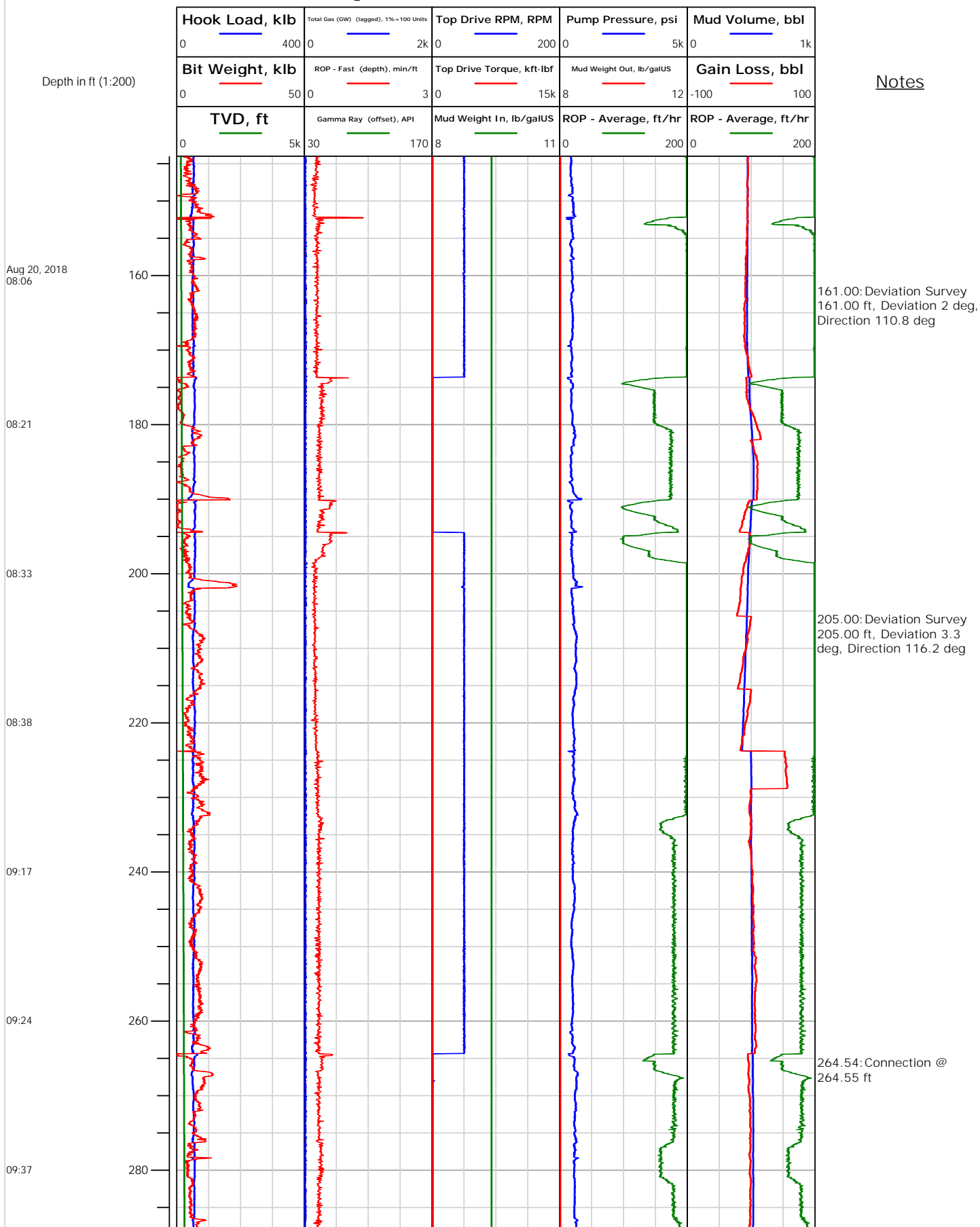
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





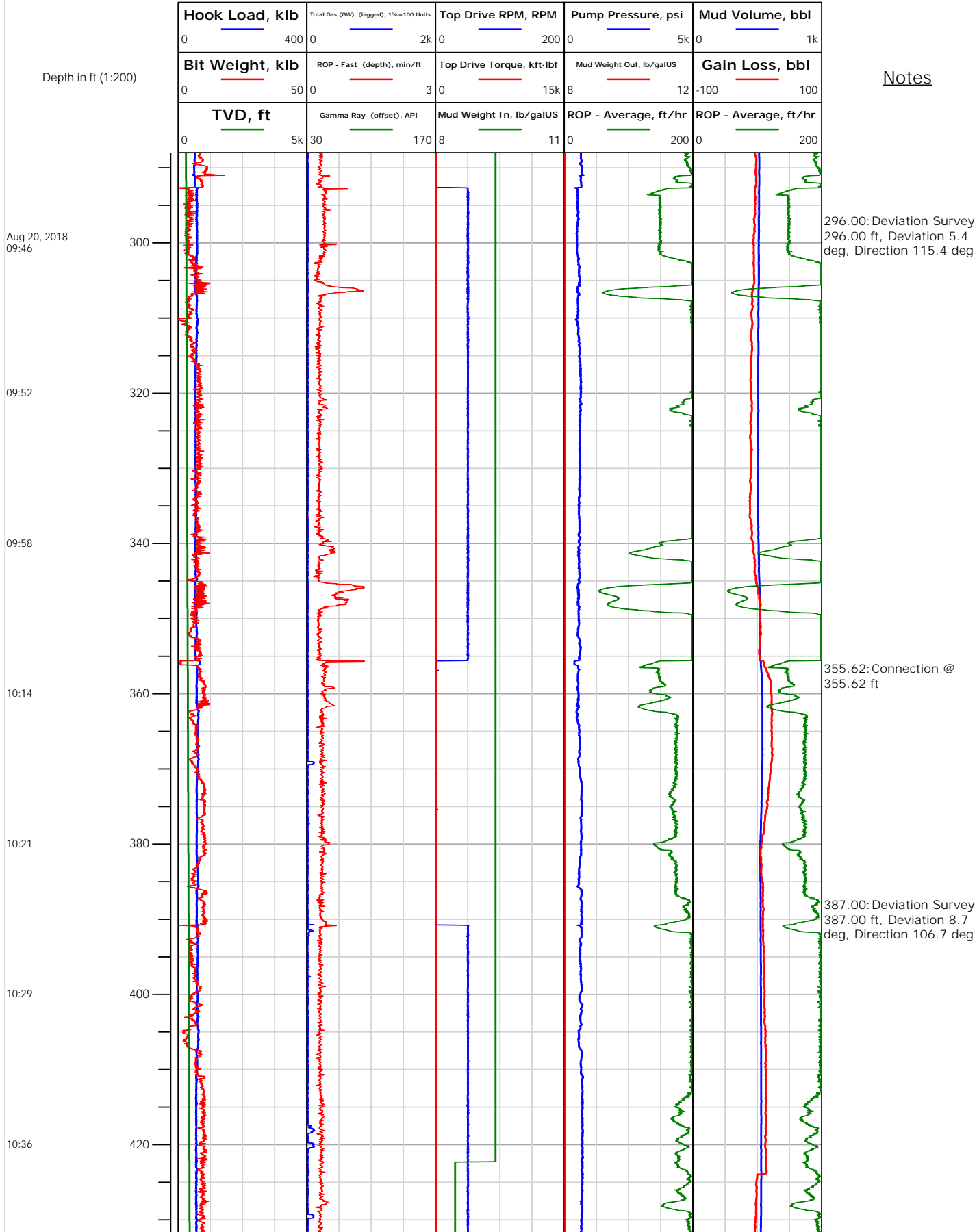
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





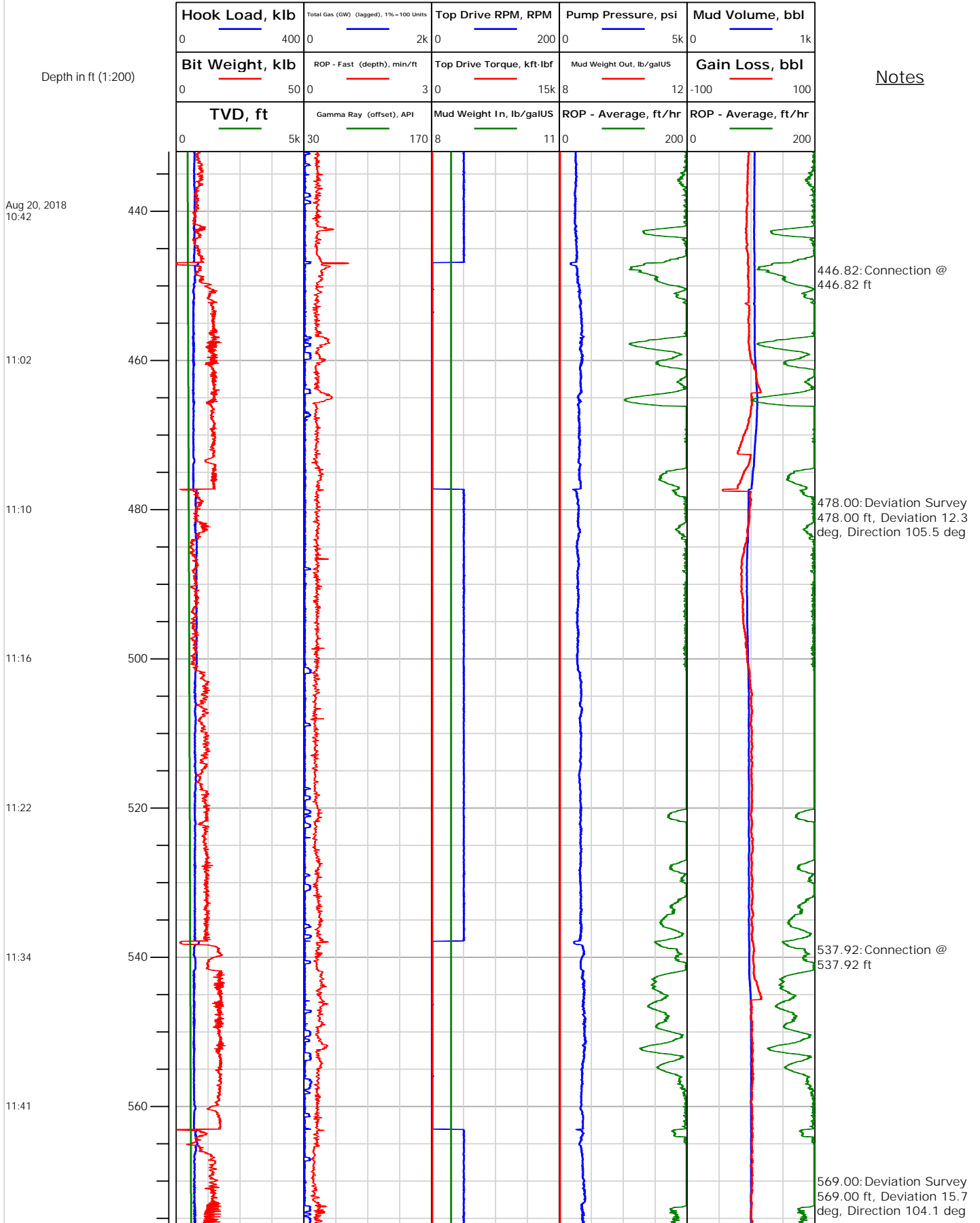
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





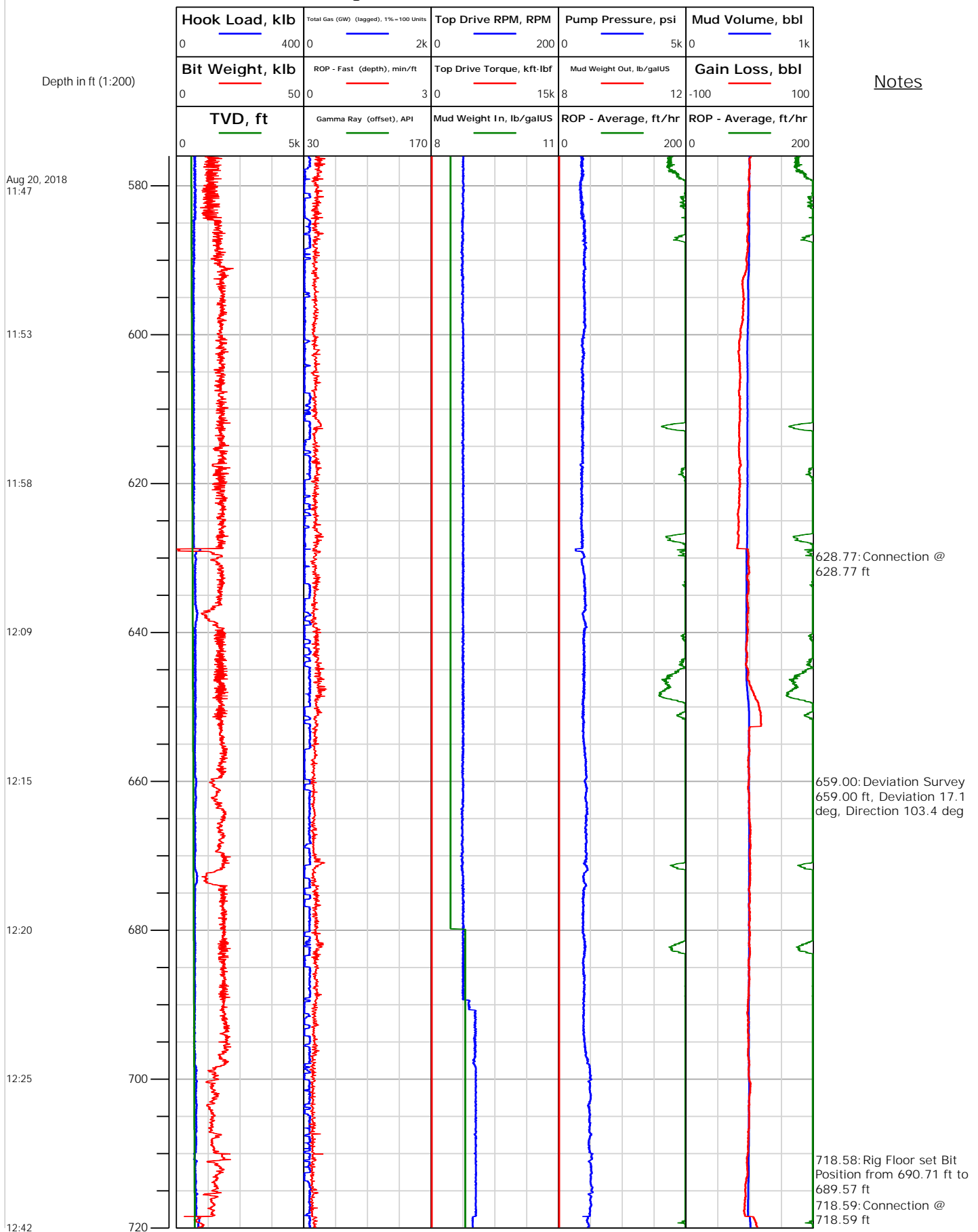
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





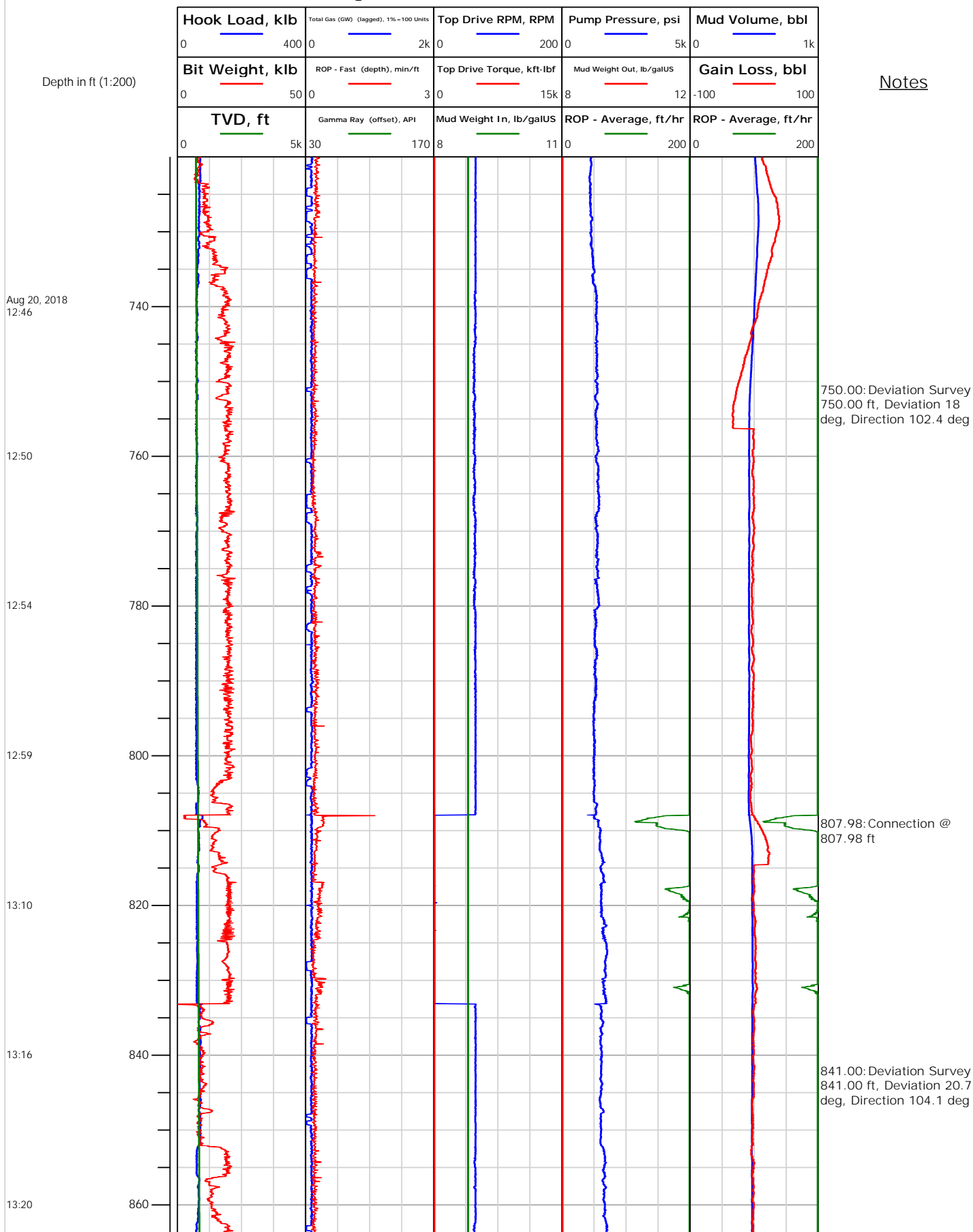
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





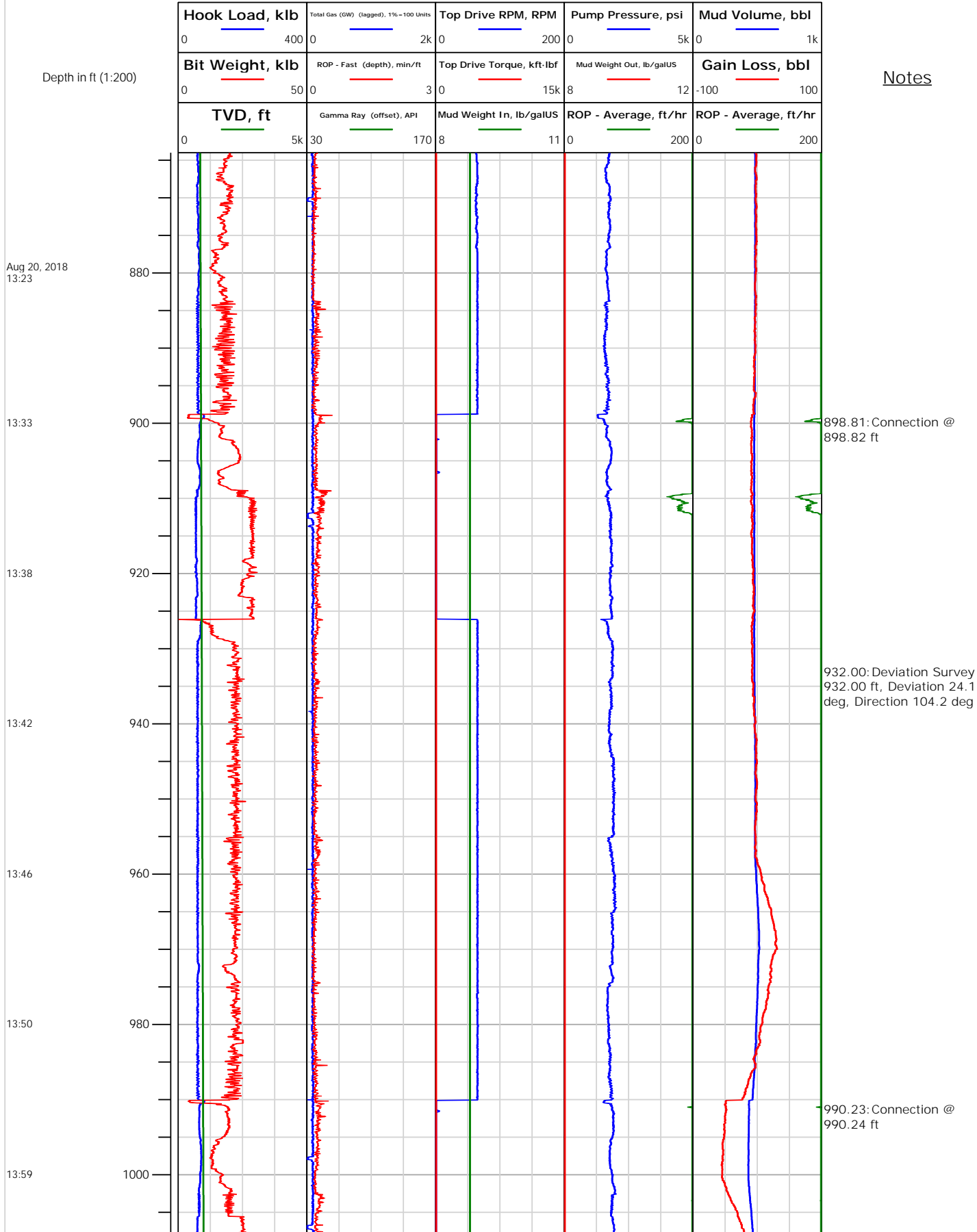
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





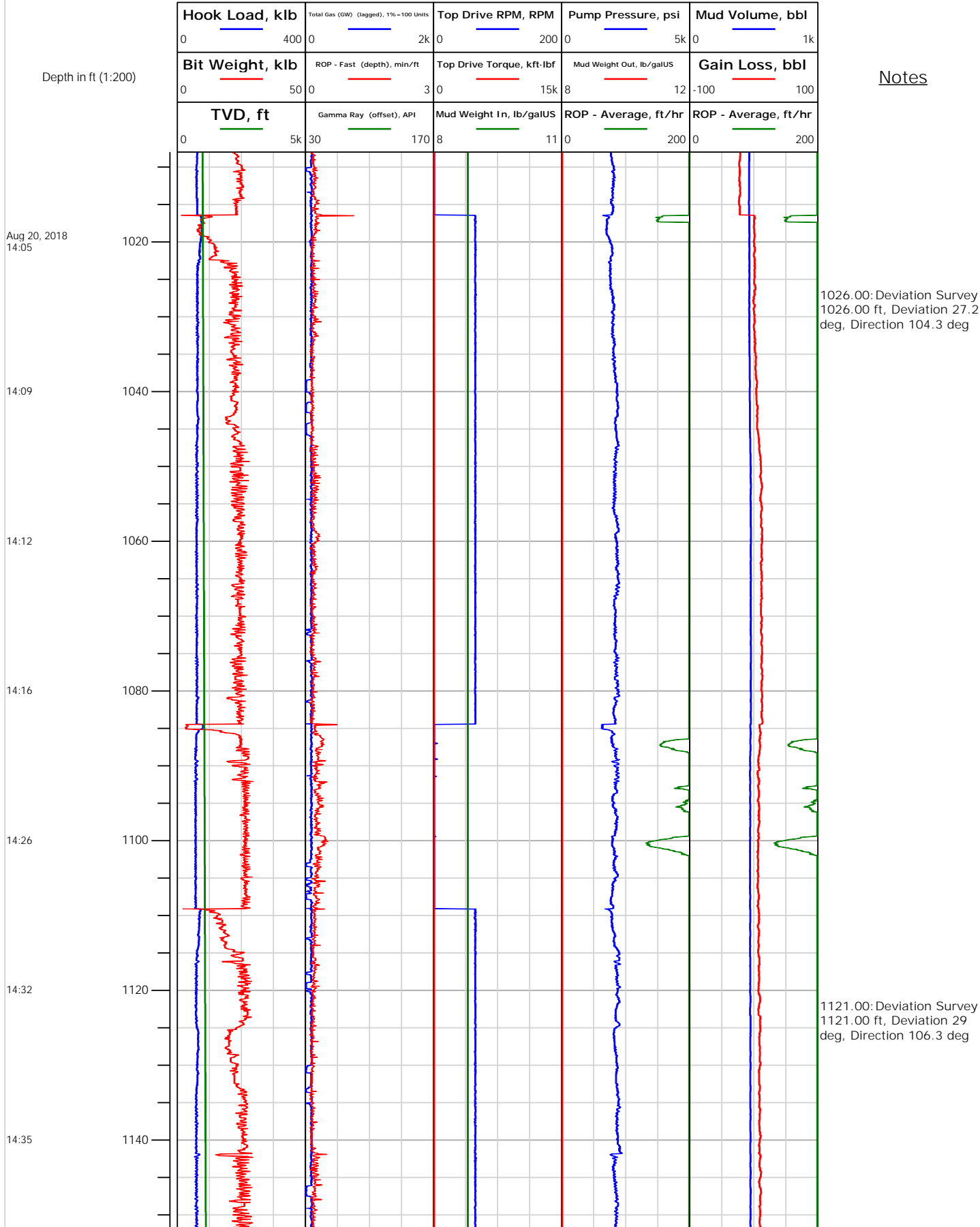
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





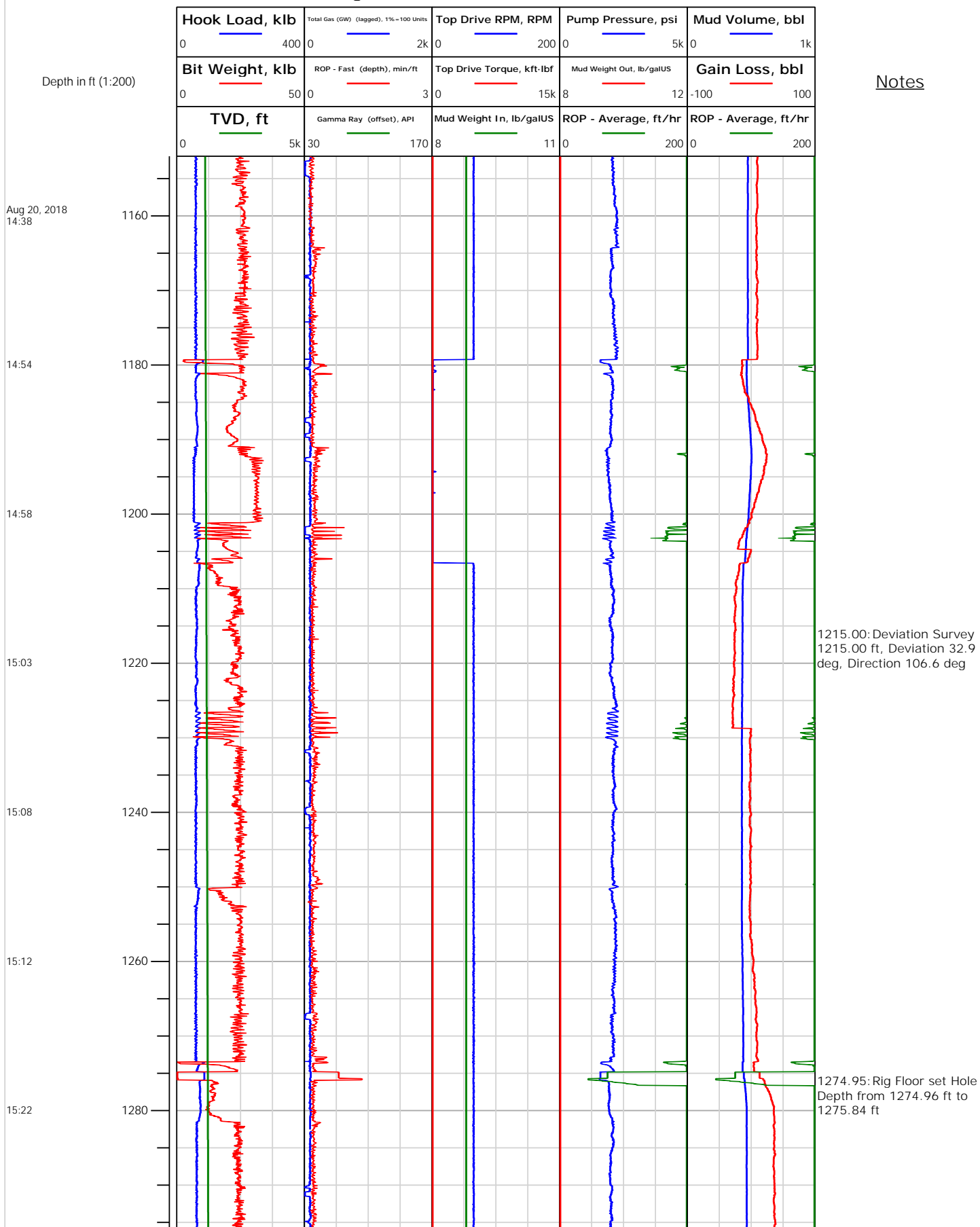
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





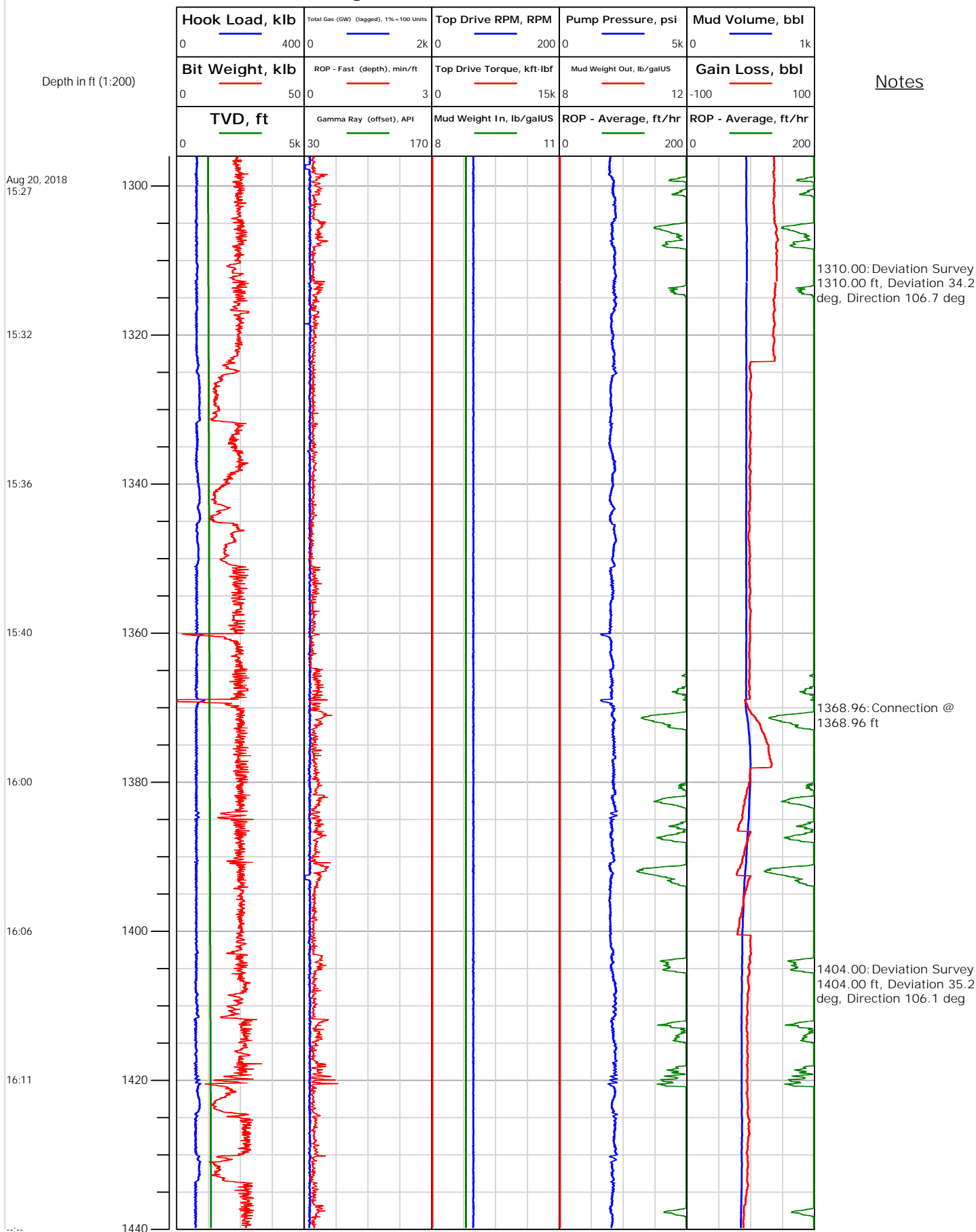
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





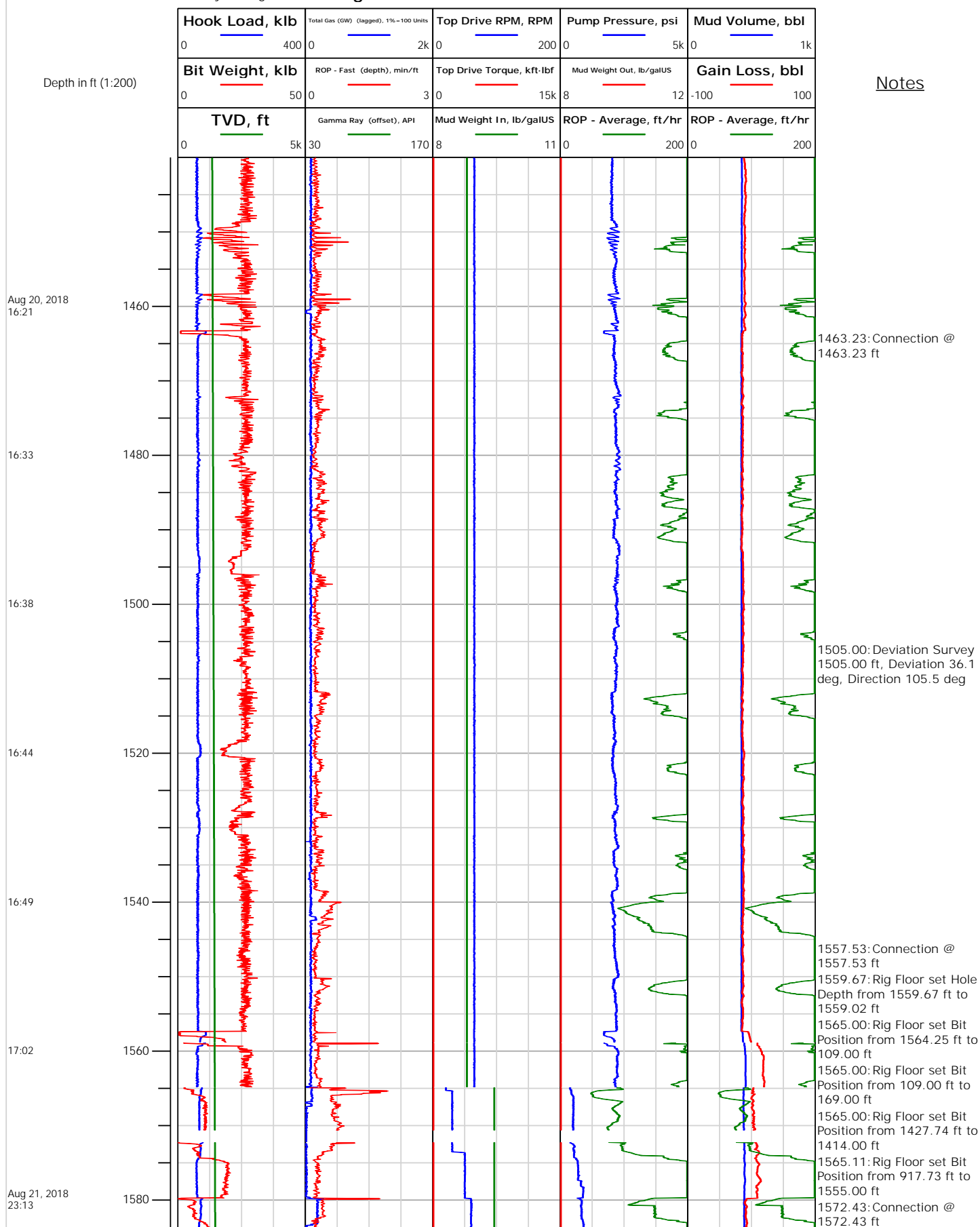
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





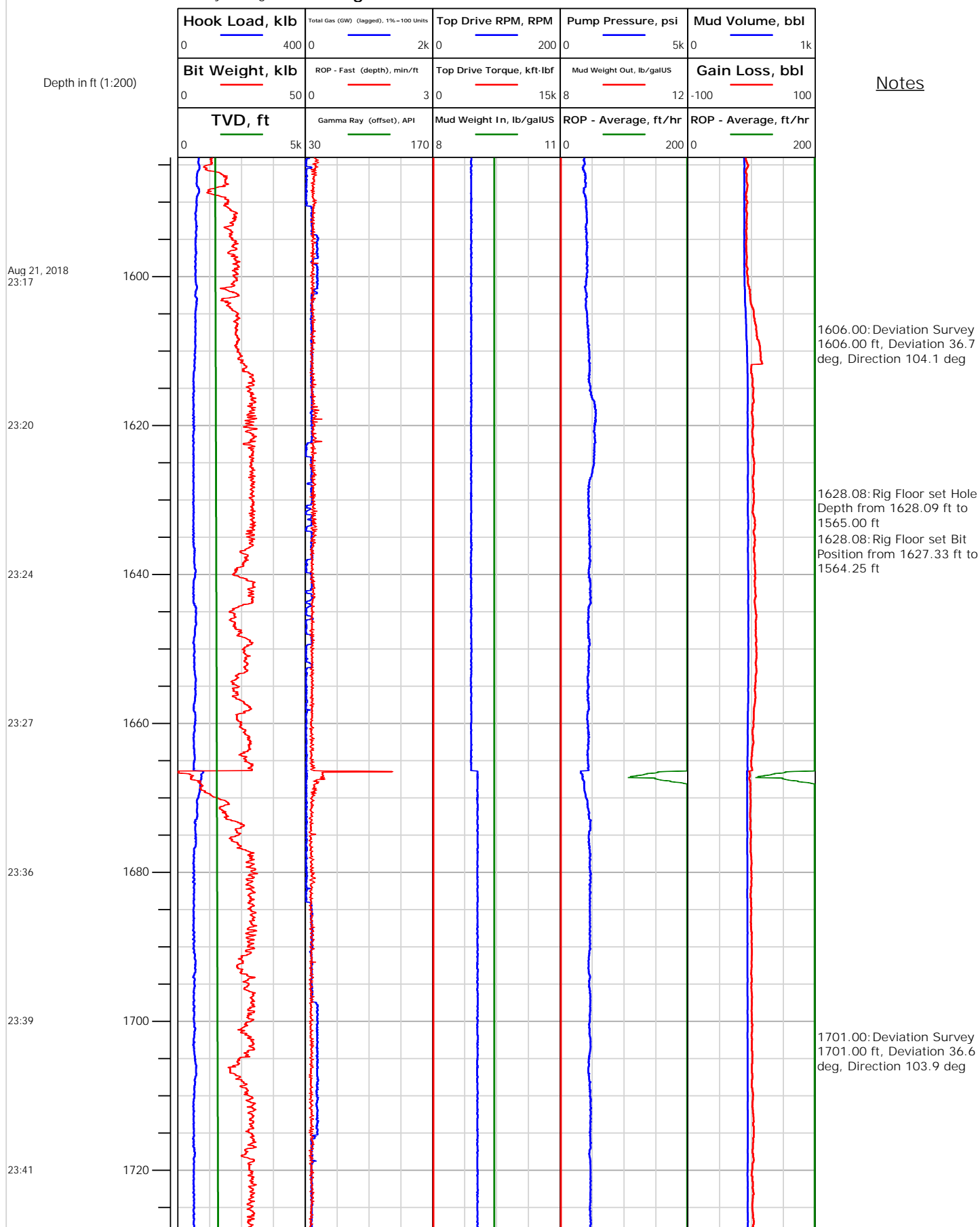
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





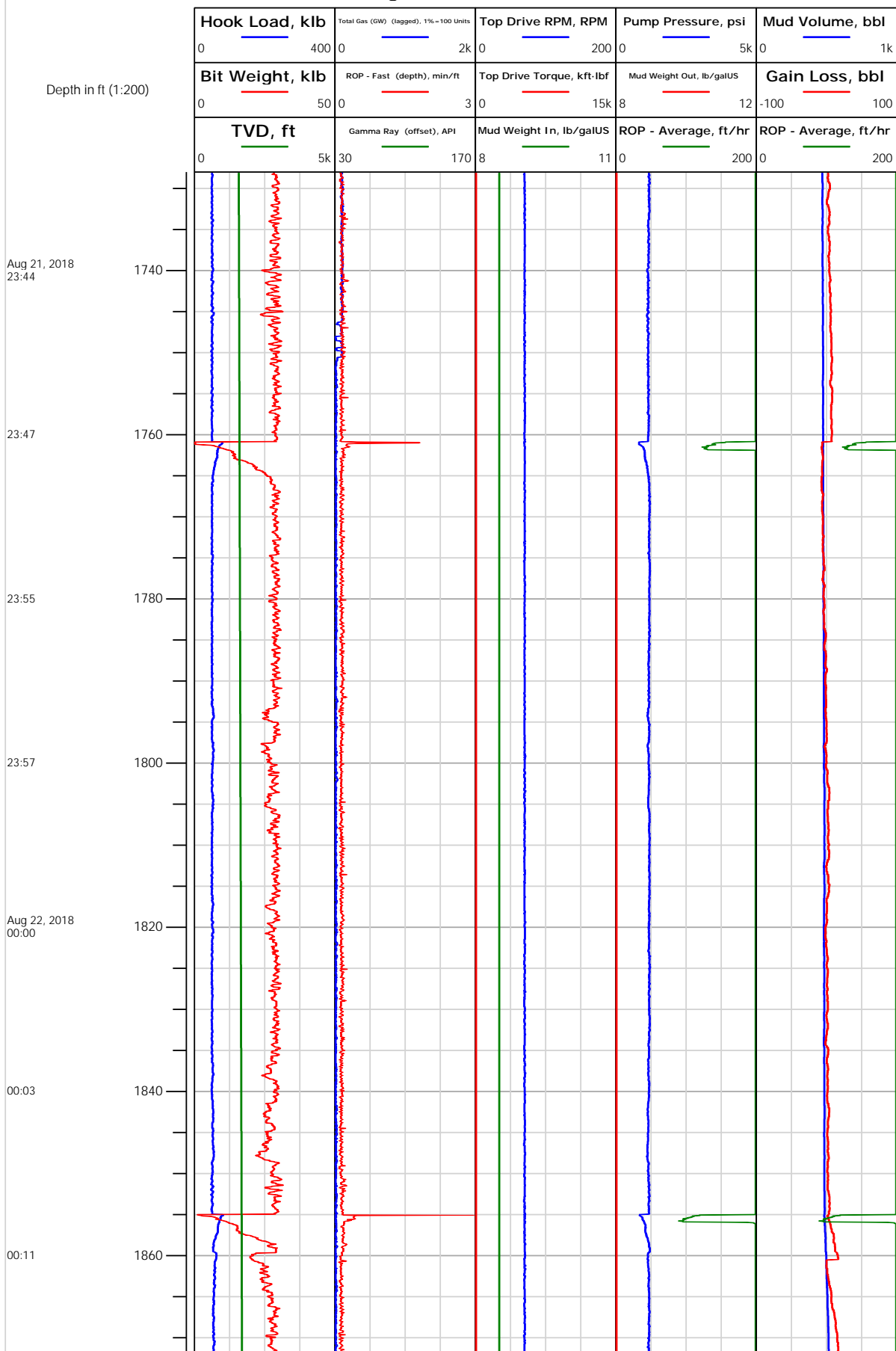
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





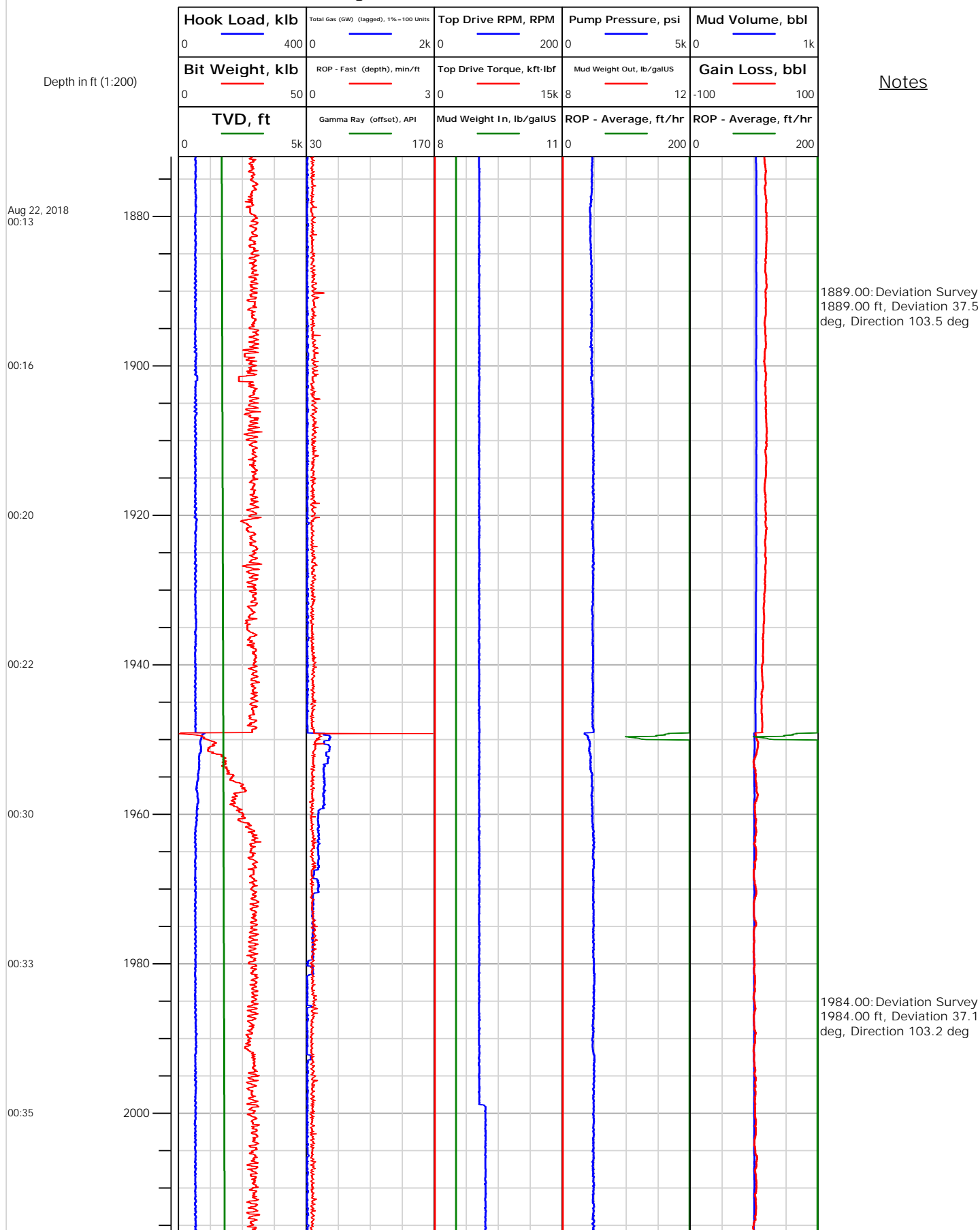
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





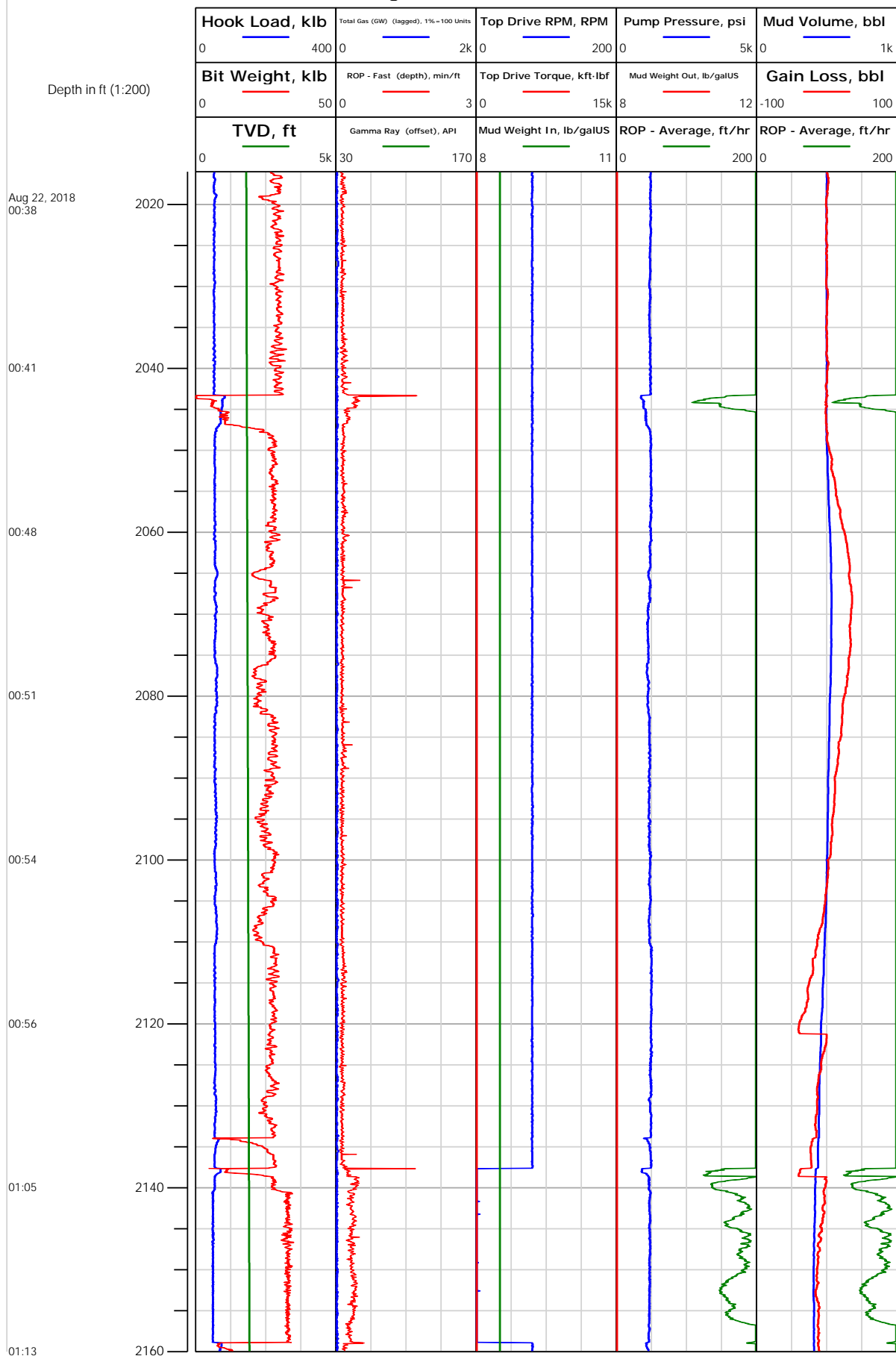
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





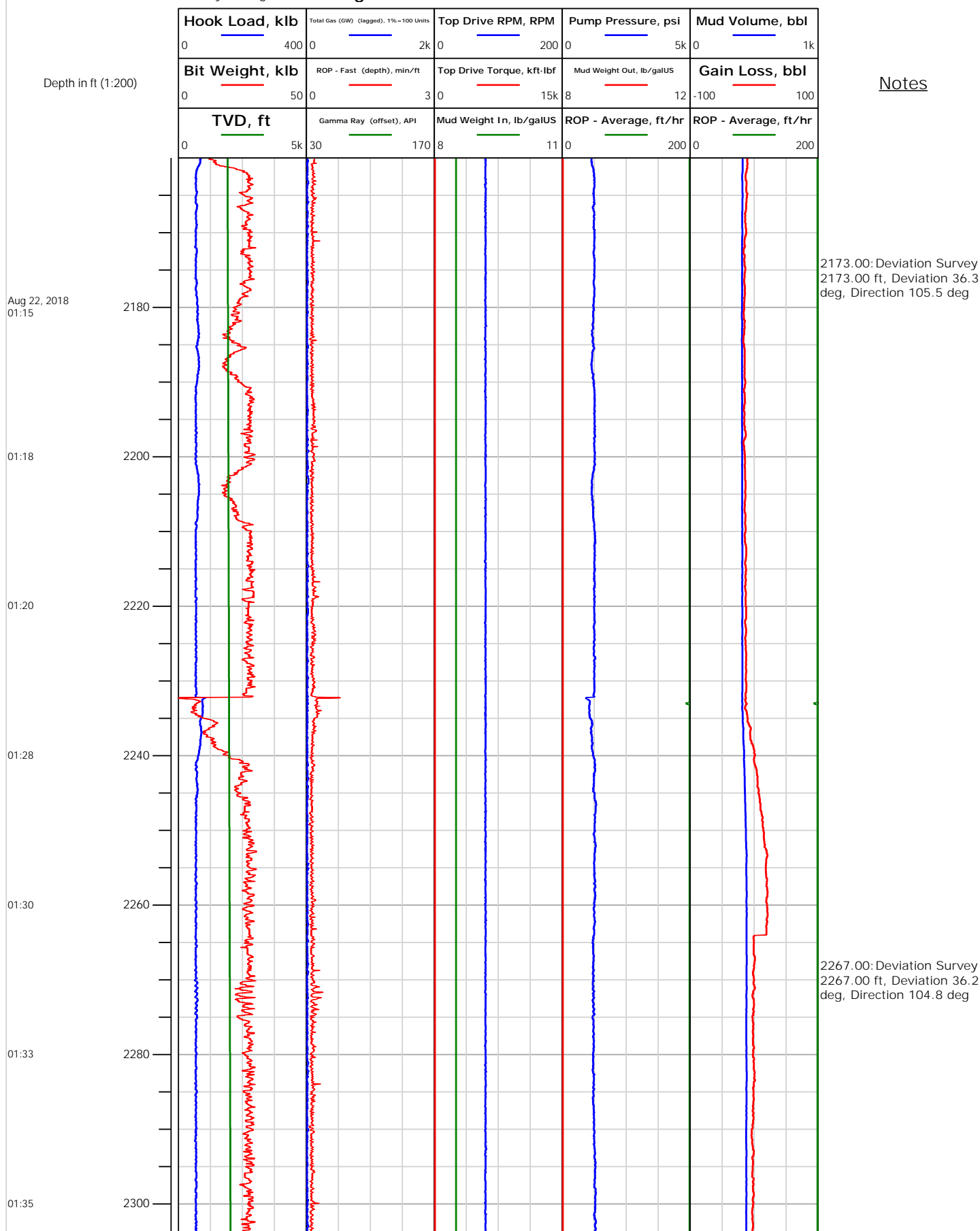
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





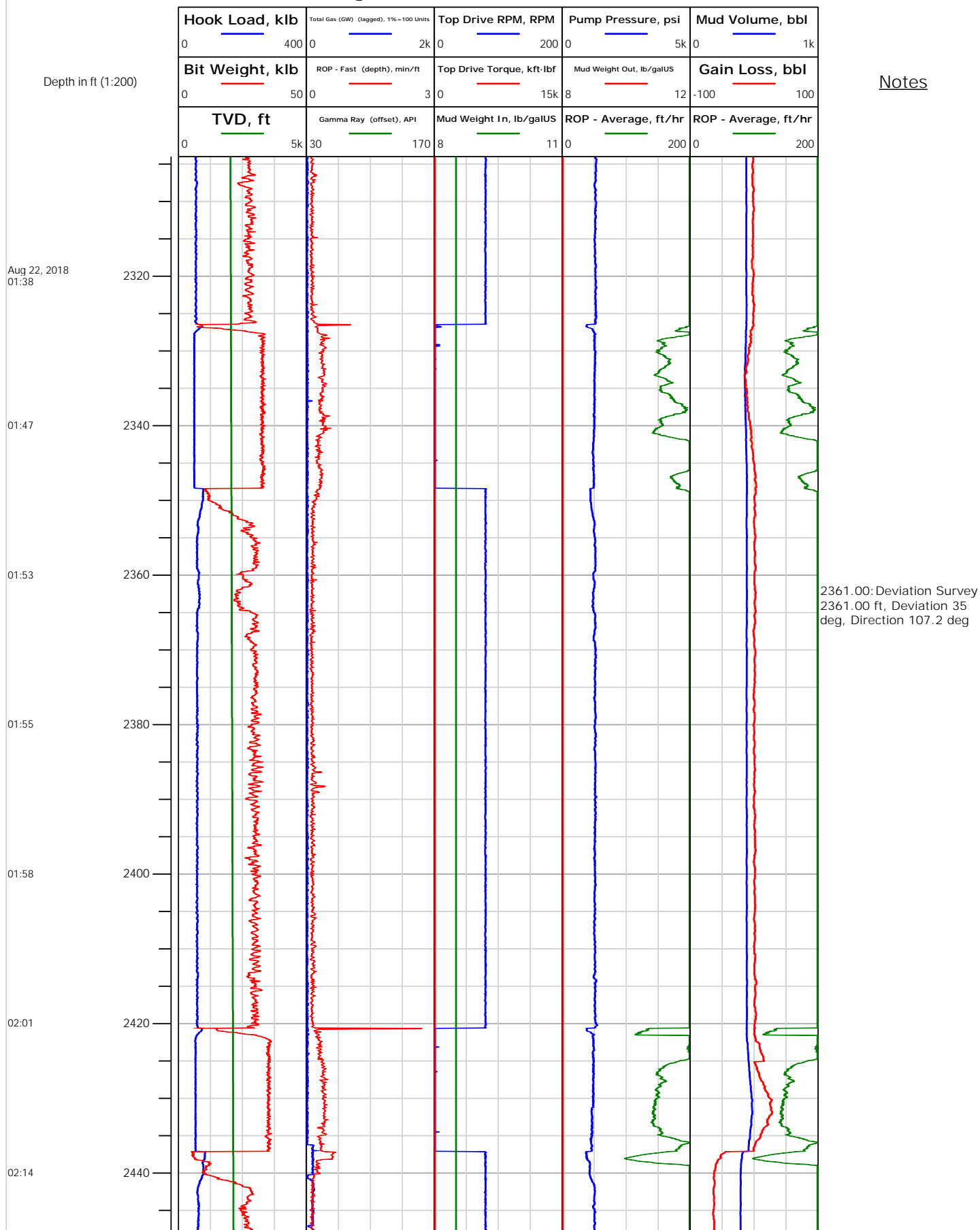
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





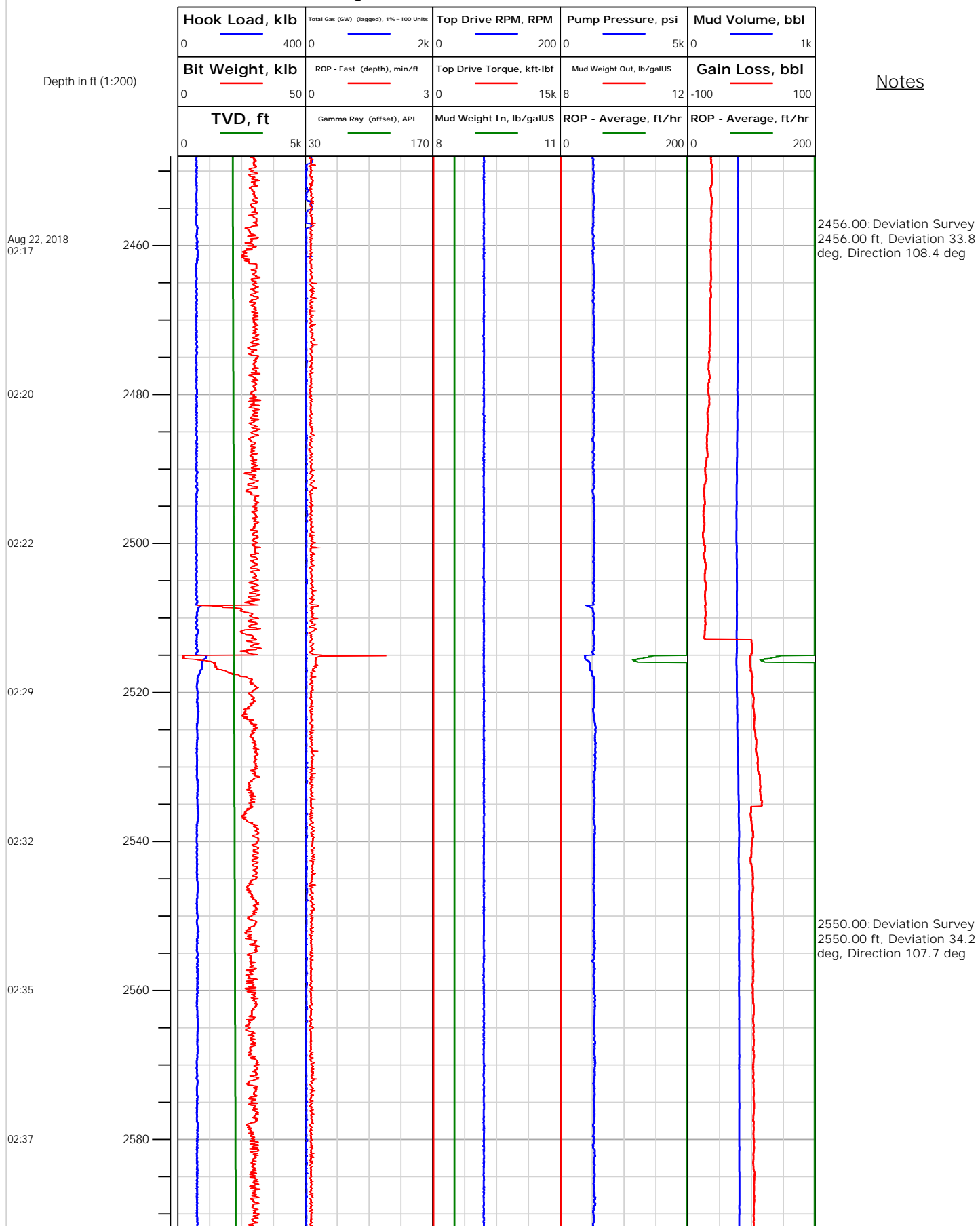
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





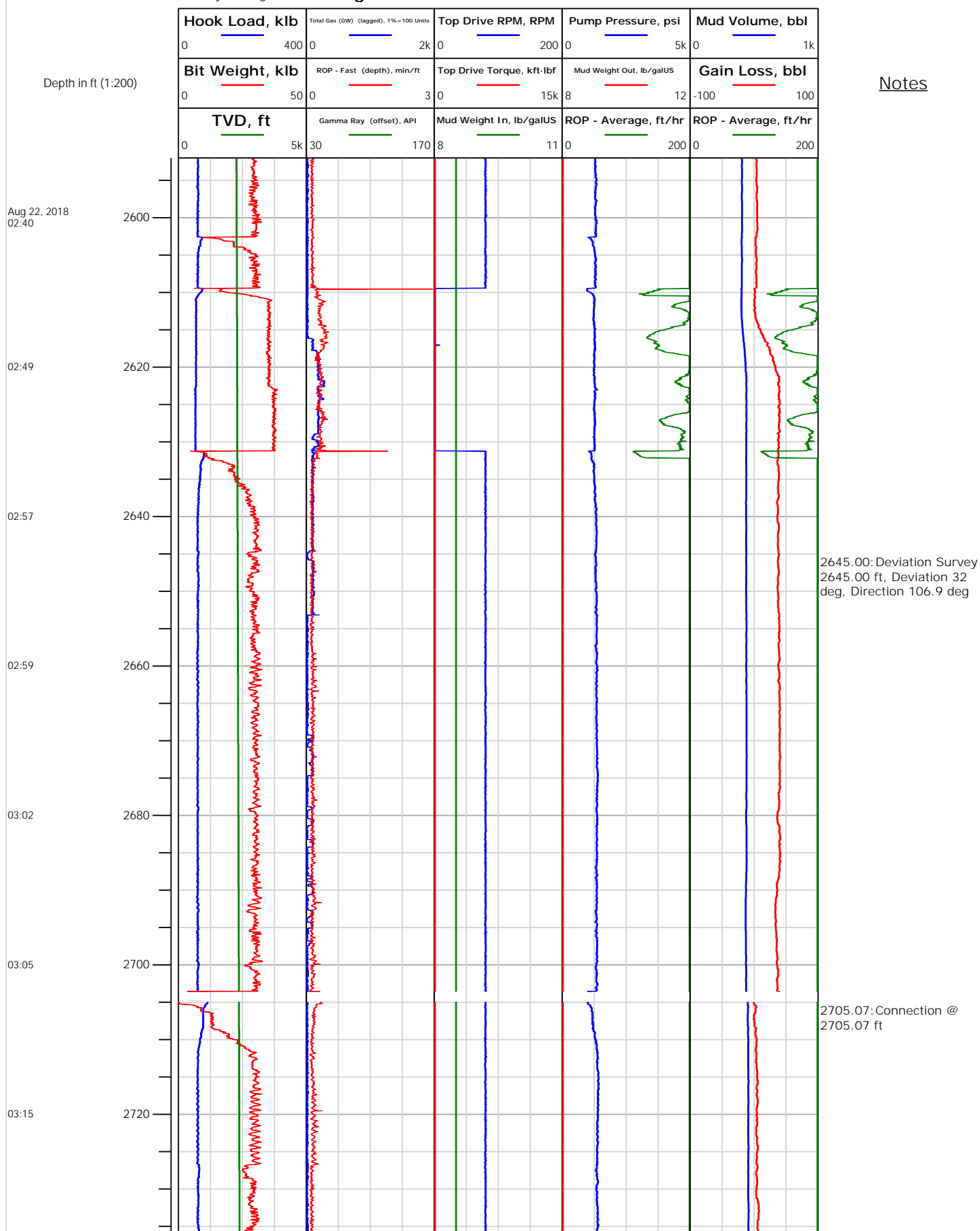
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





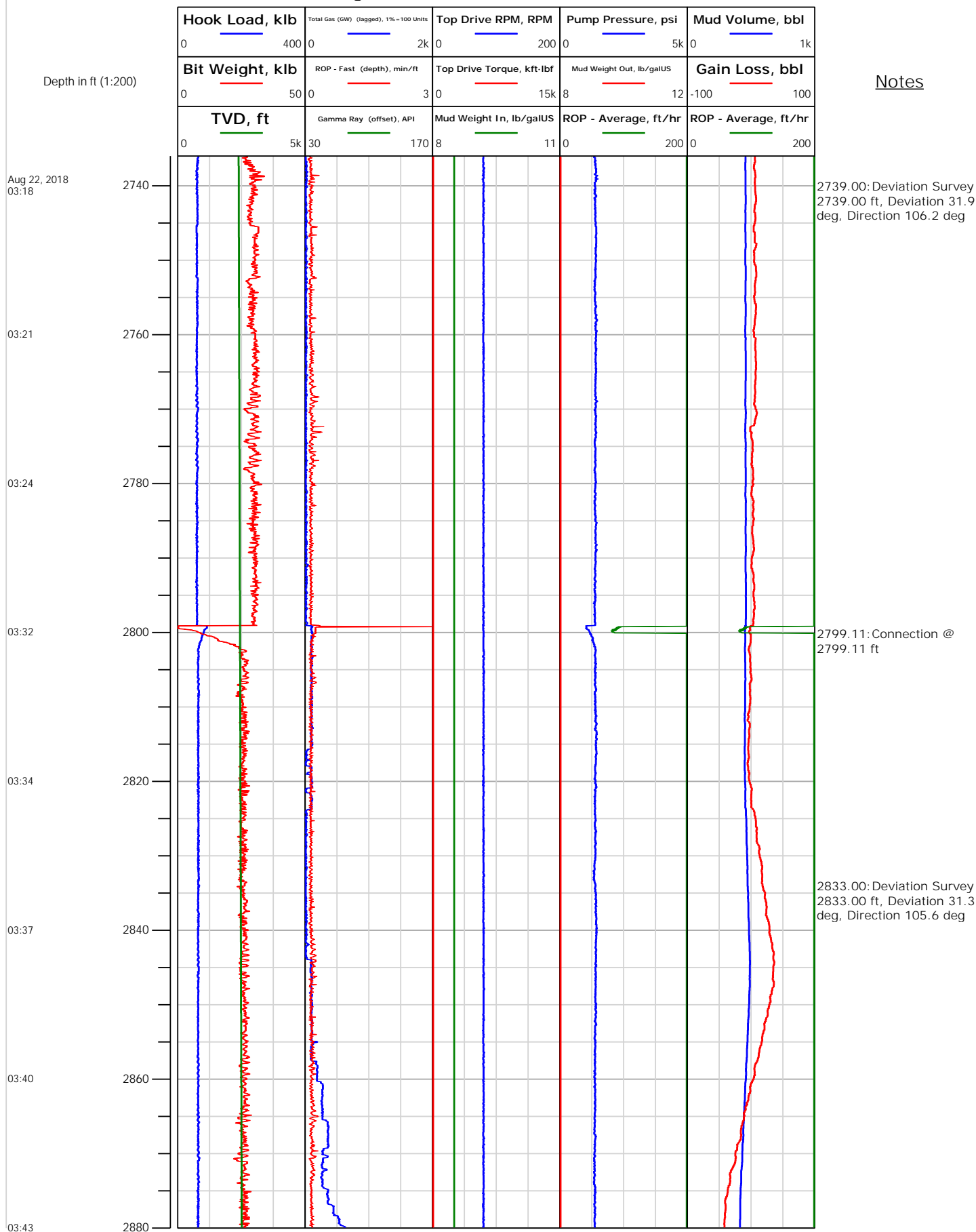
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drilg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes

Depth in ft (1:200)

Aug 22, 2018
03:50

03:53

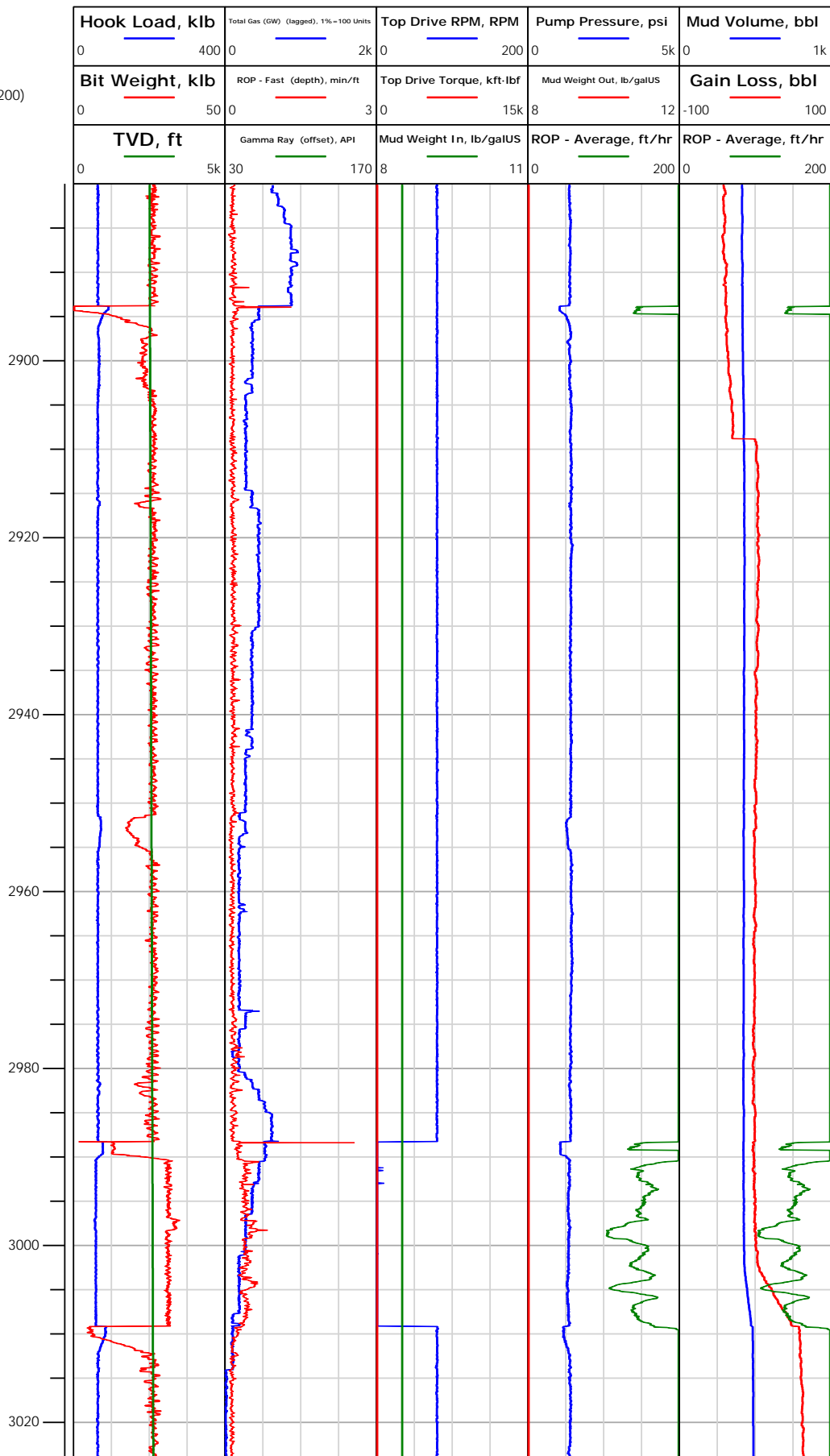
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03:59

04:02

04:12

04:20





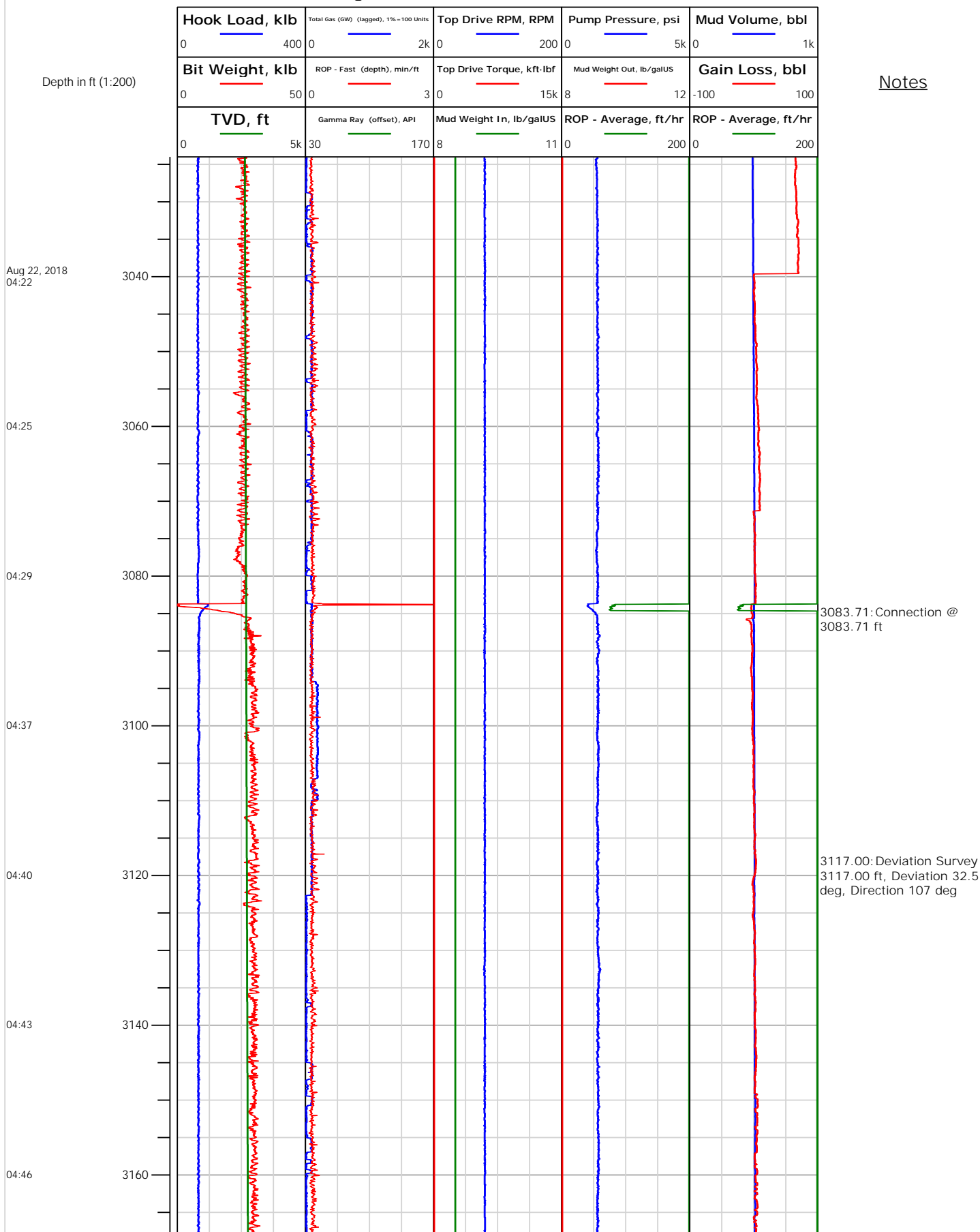
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





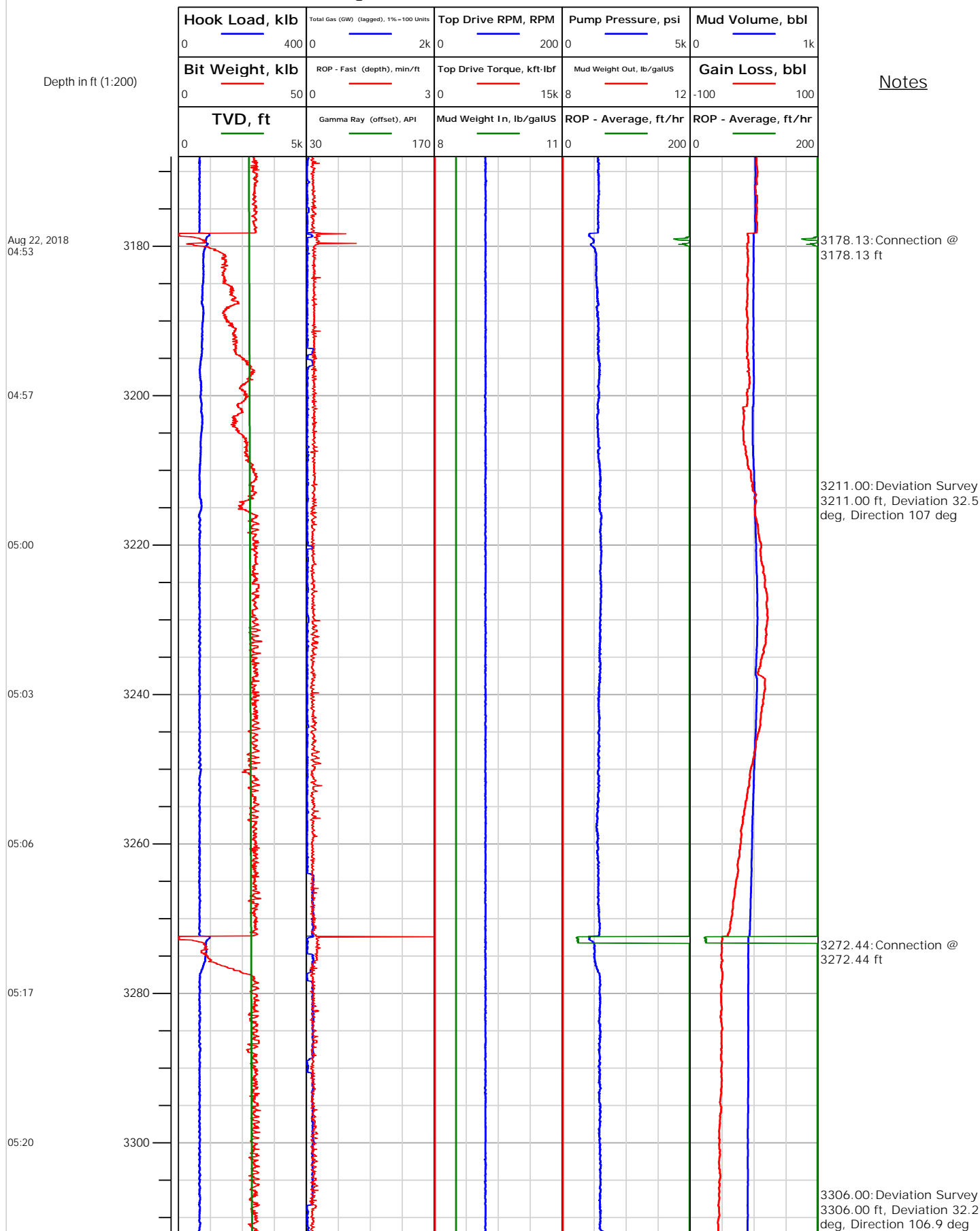
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





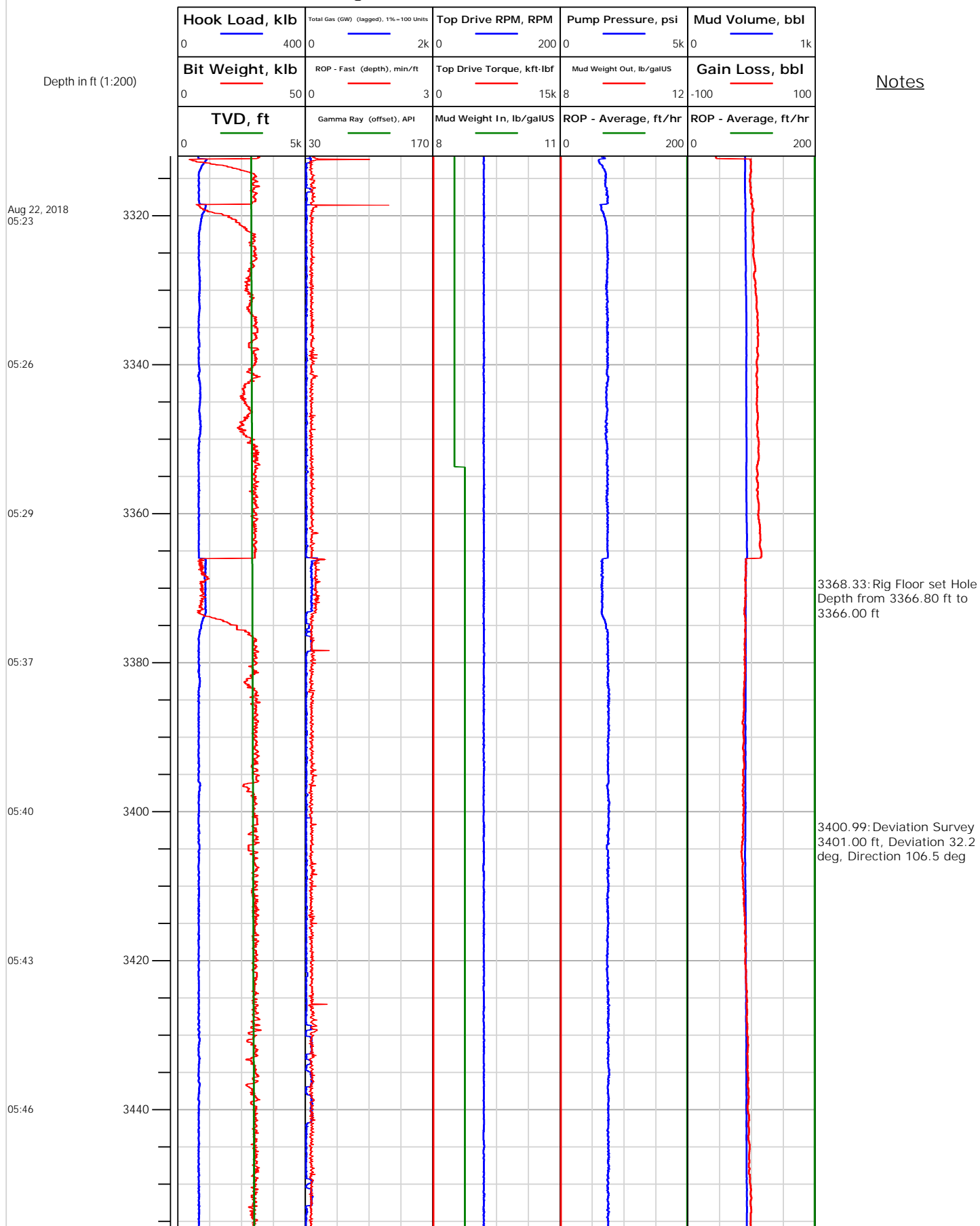
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





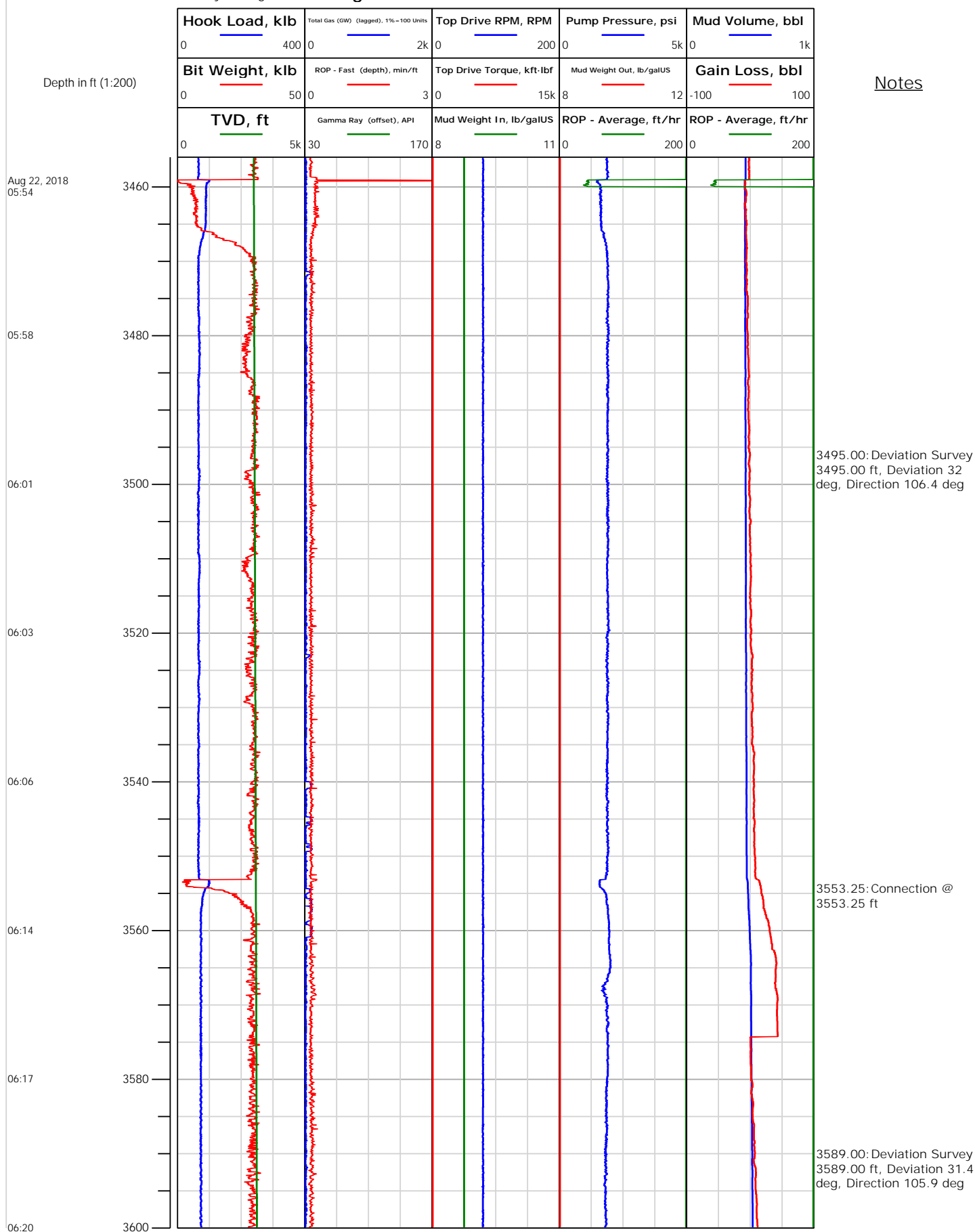
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Contractor: Helmerich & Payne Drilg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





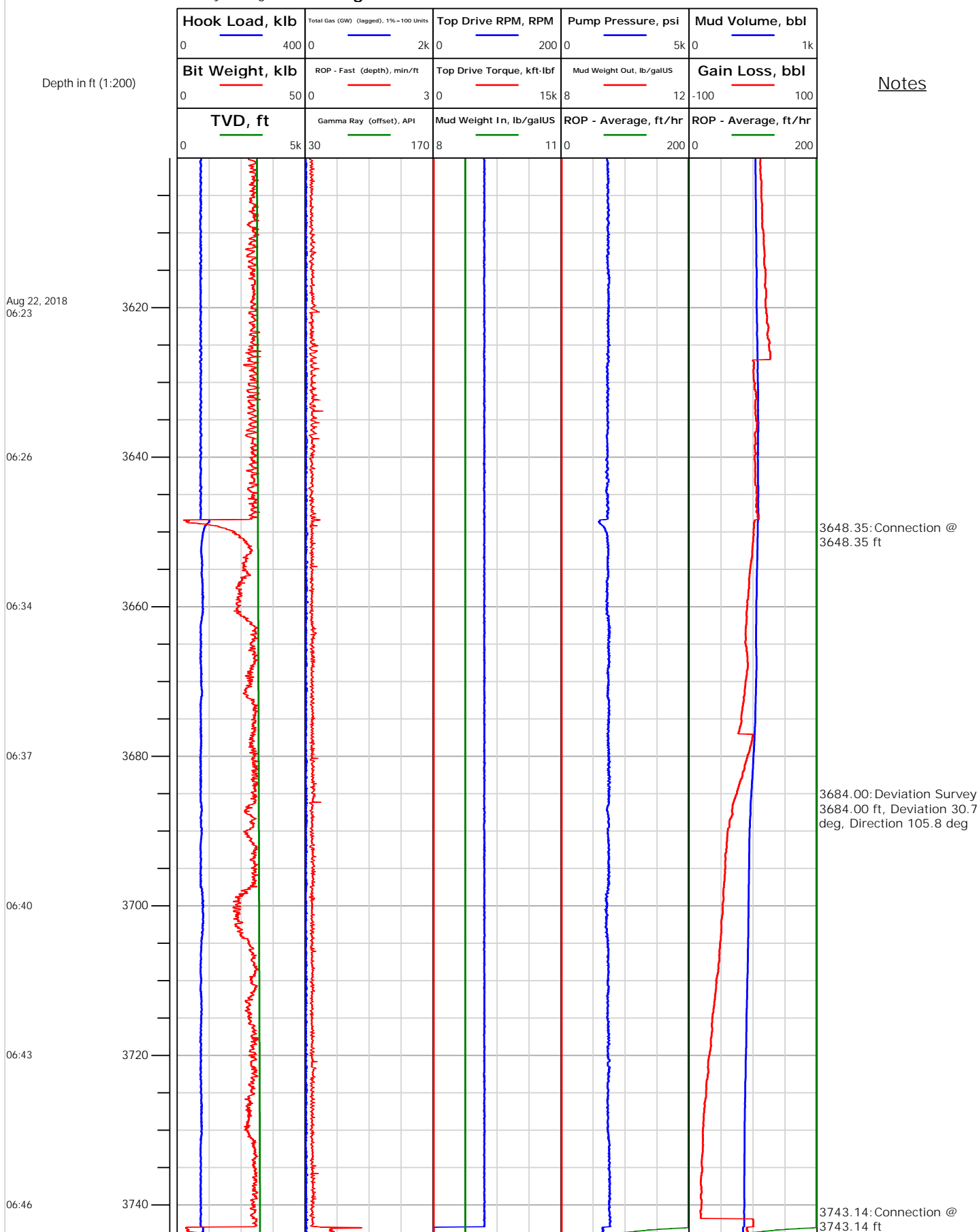
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





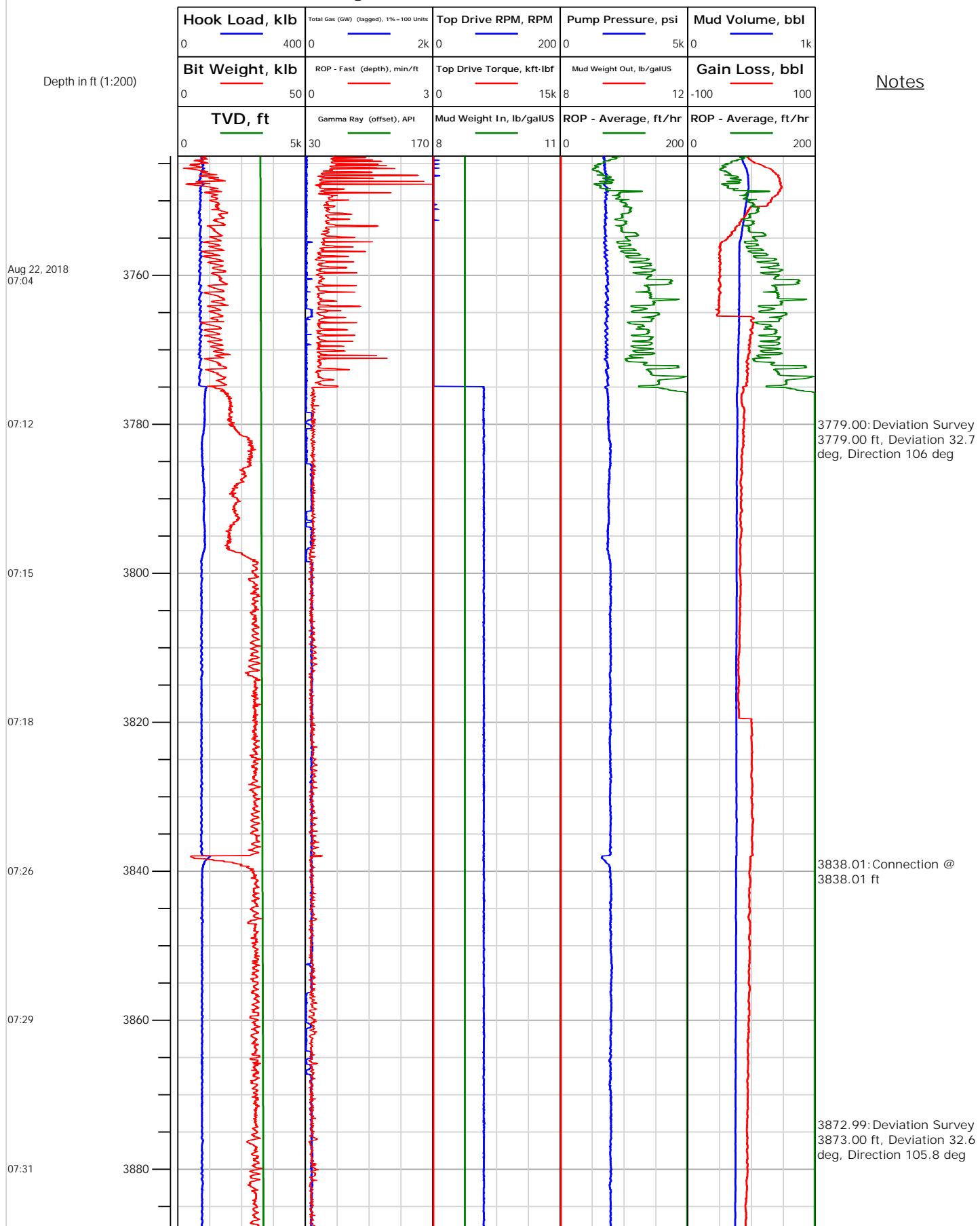
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





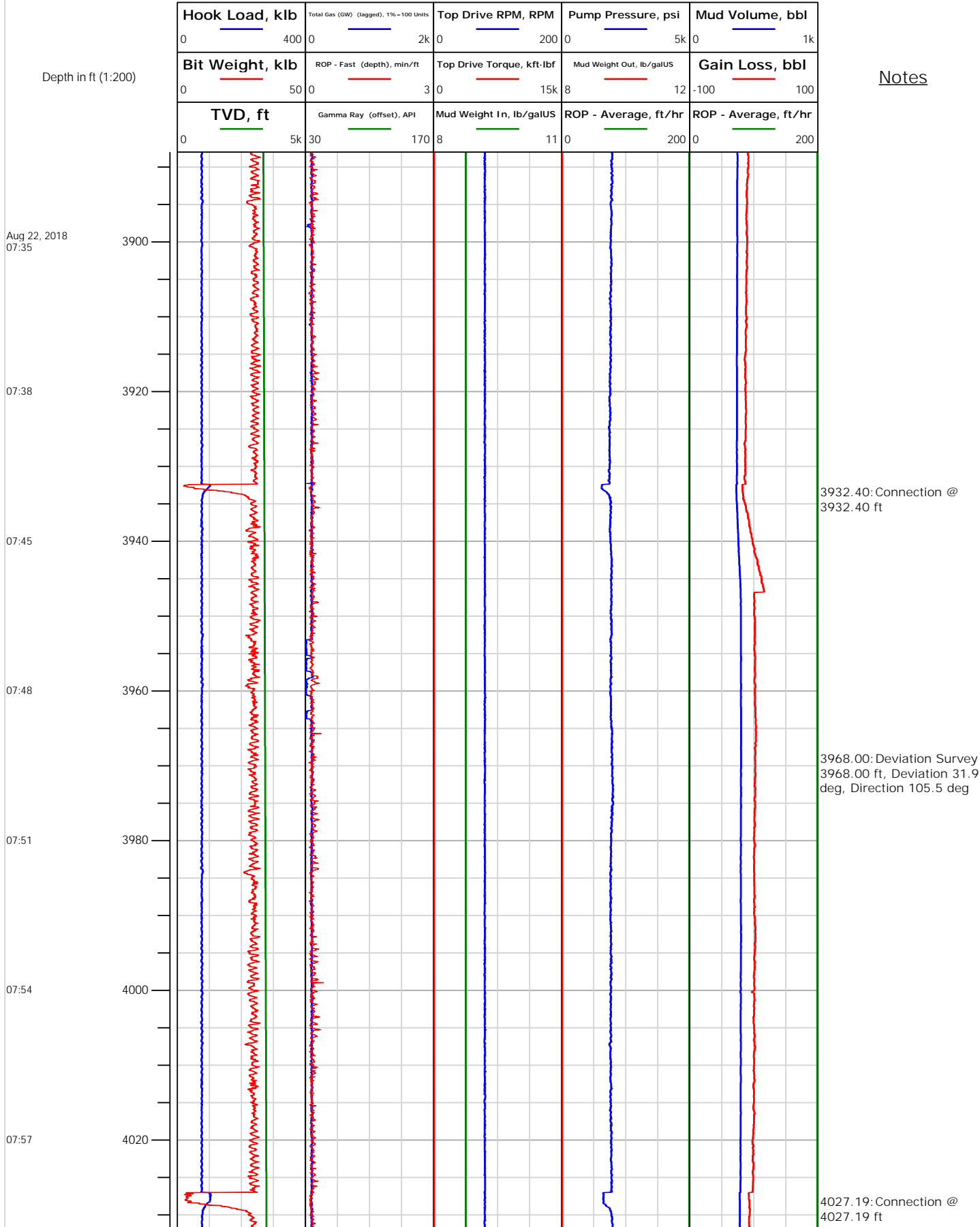
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





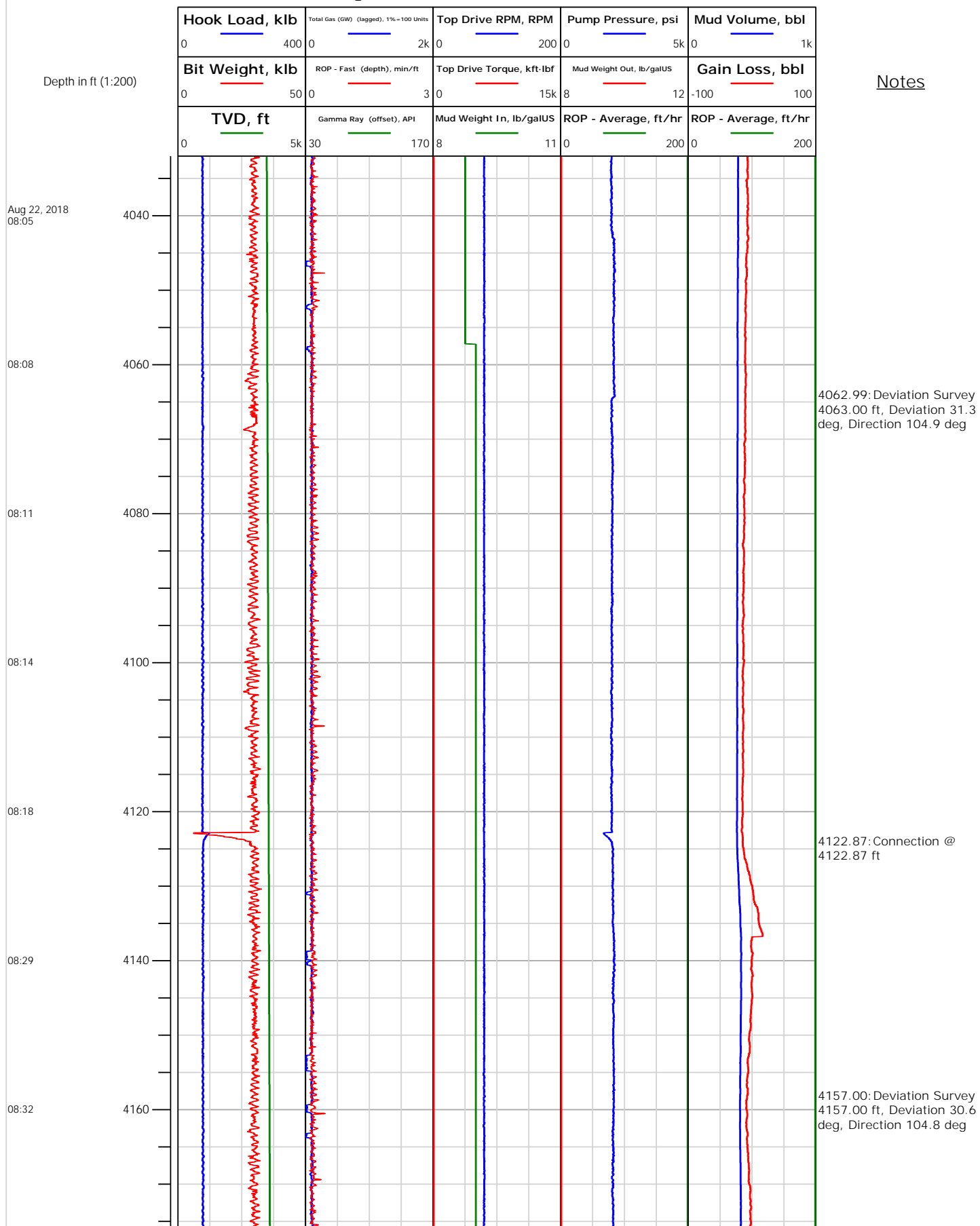
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





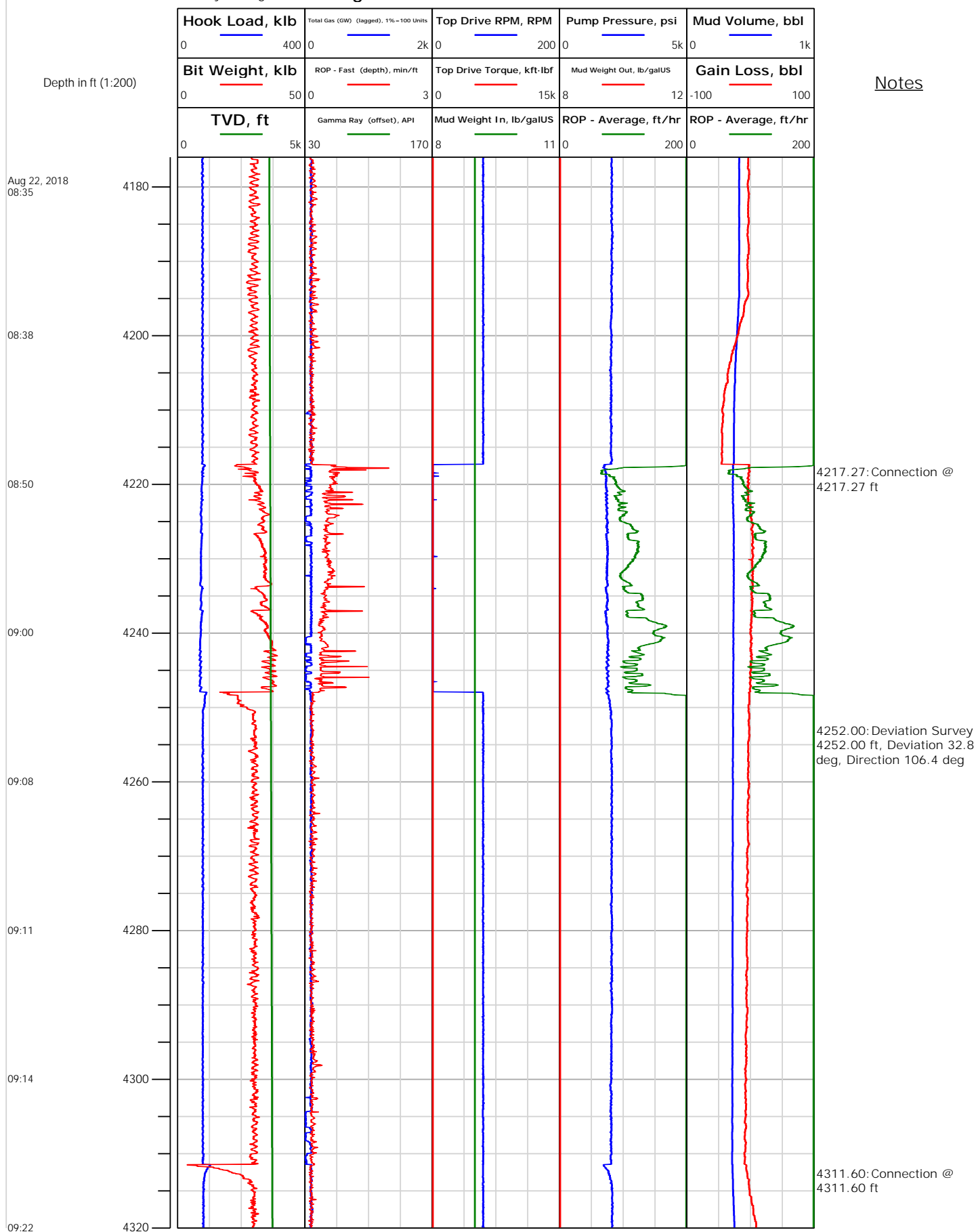
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





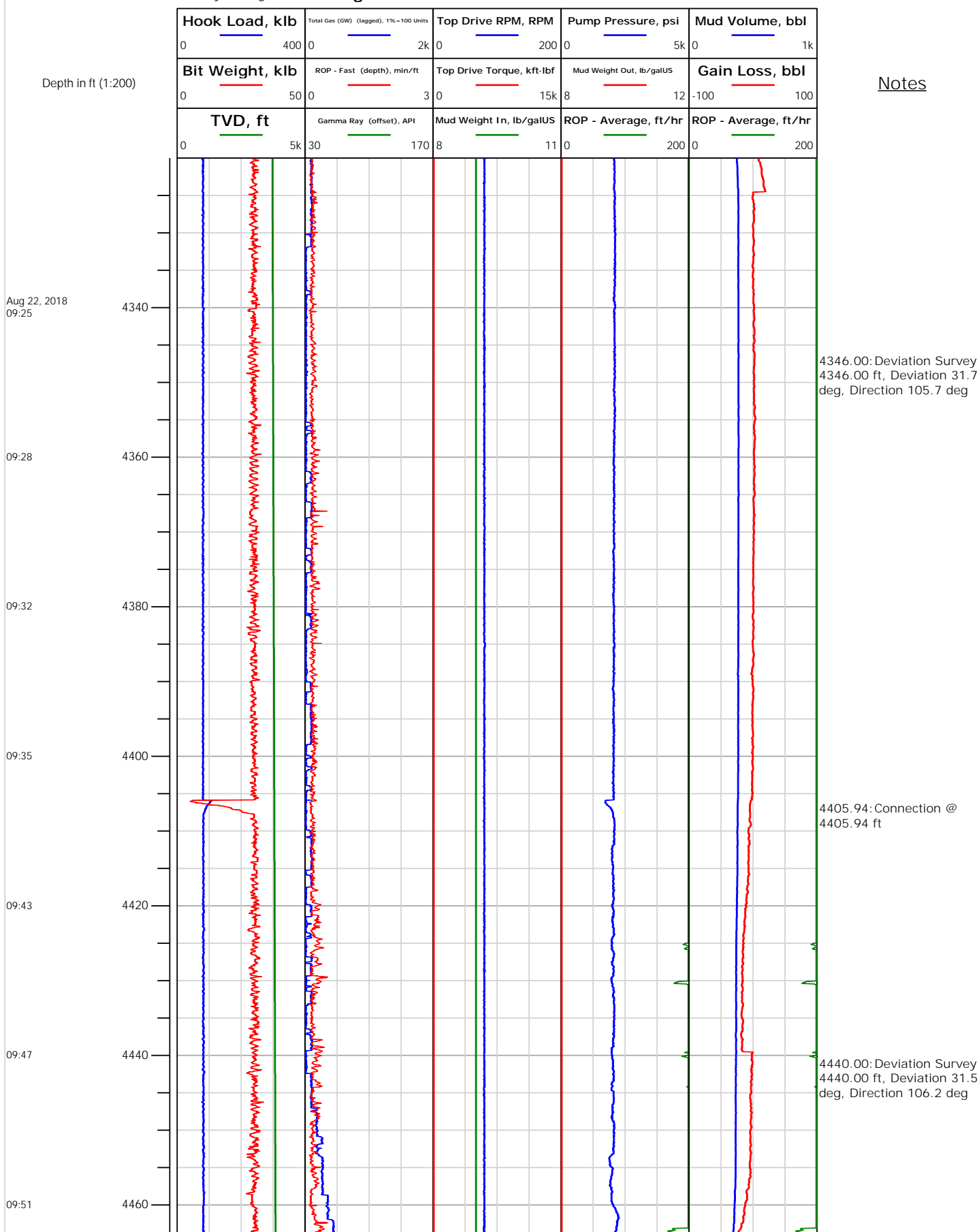
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





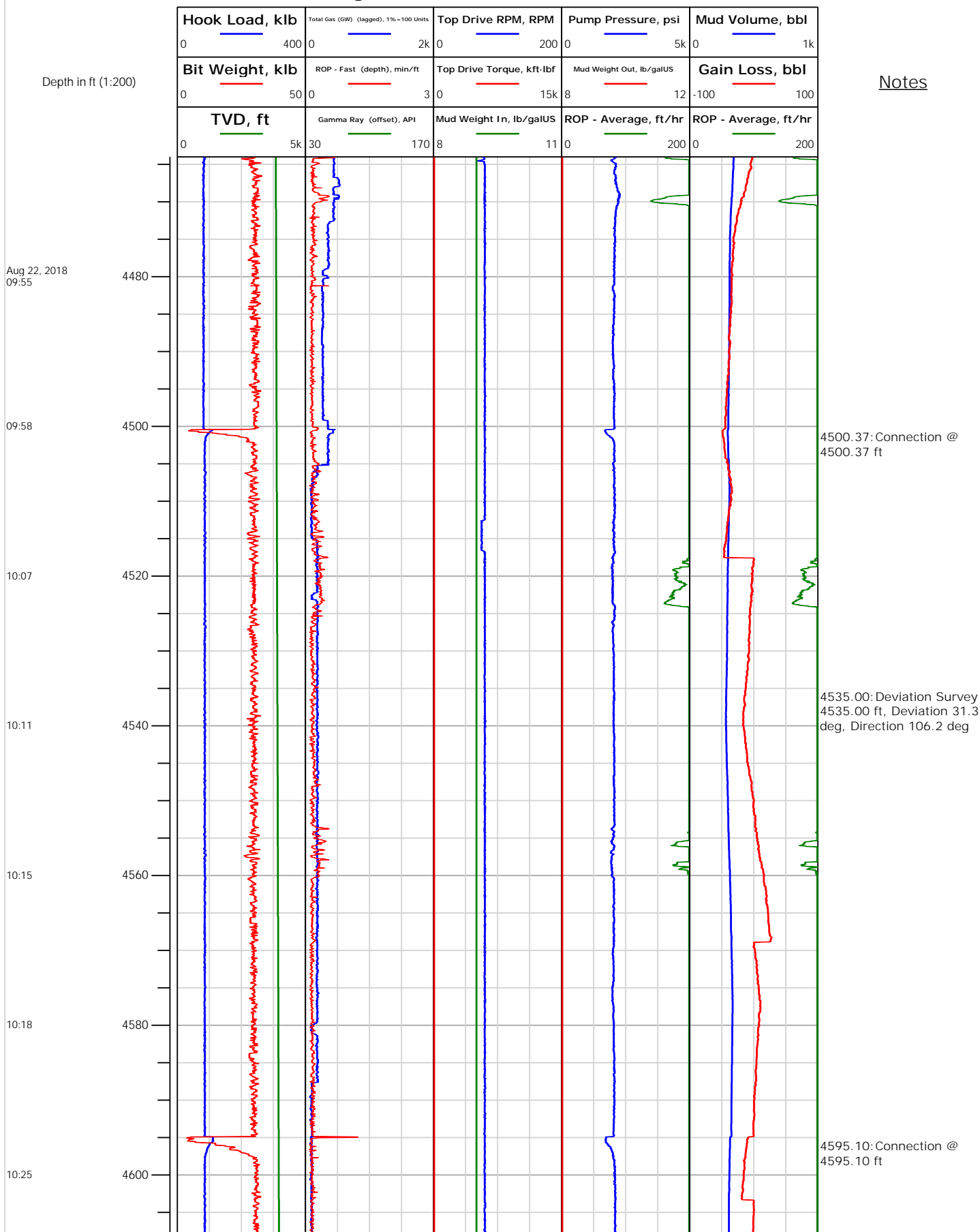
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





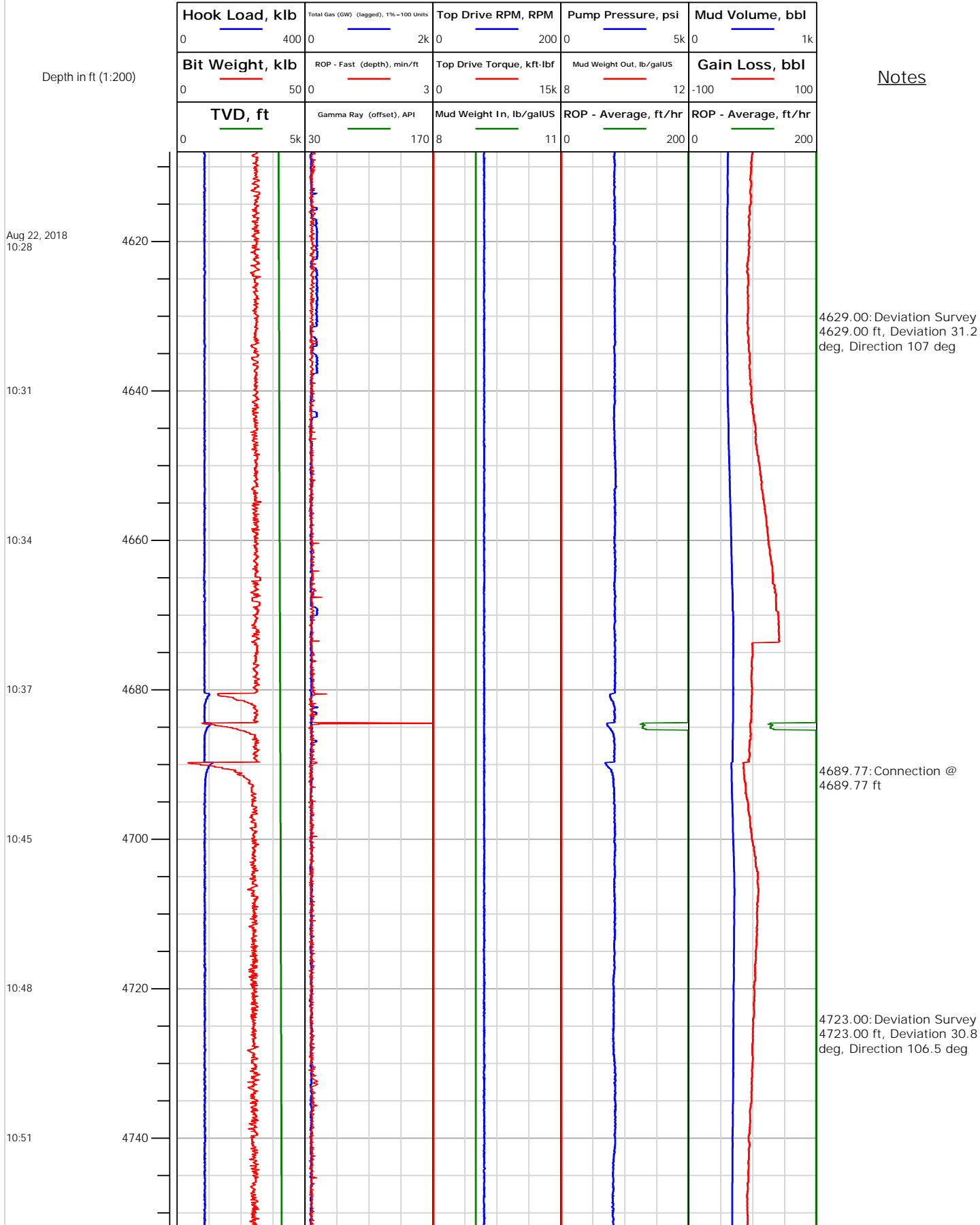
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





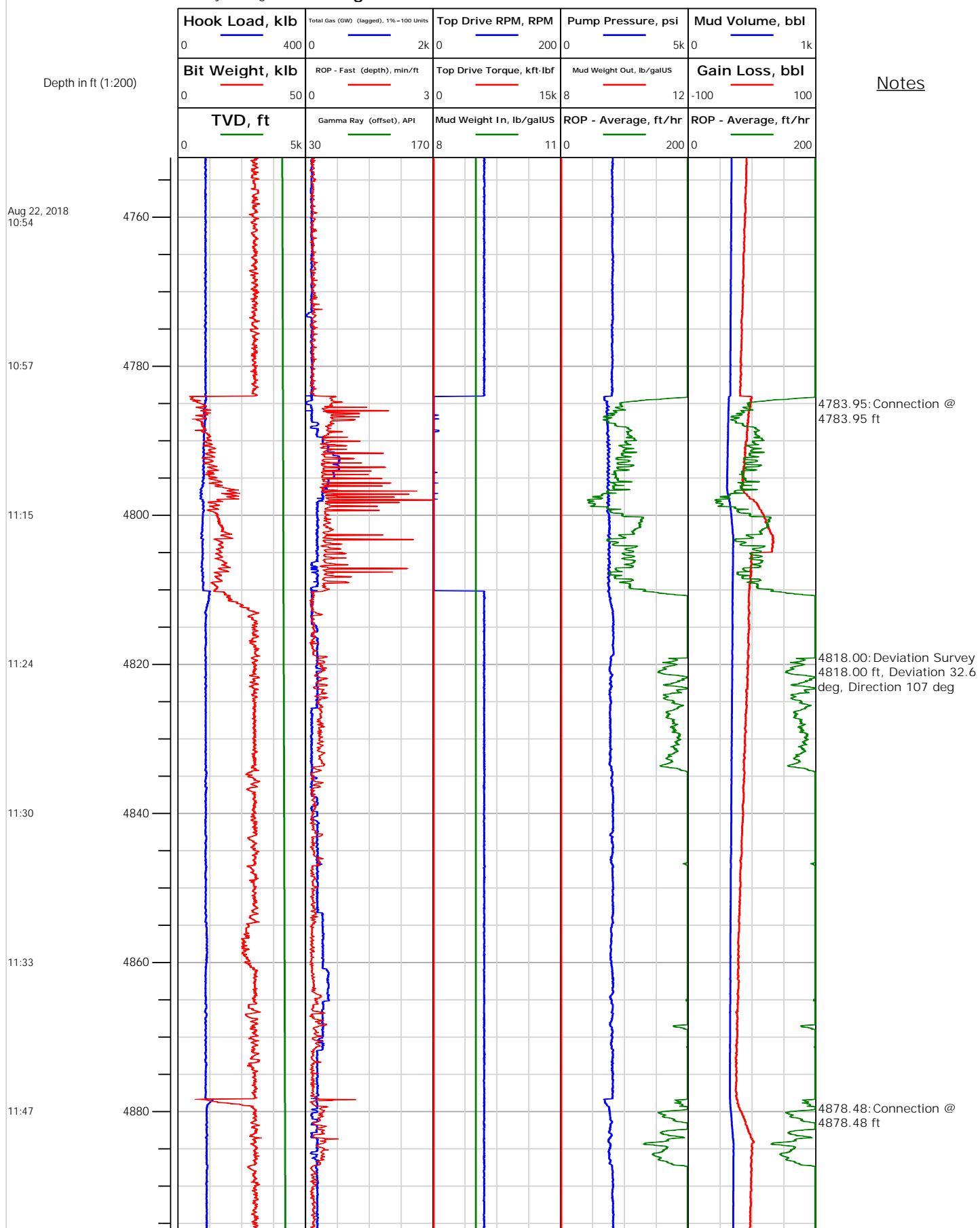
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





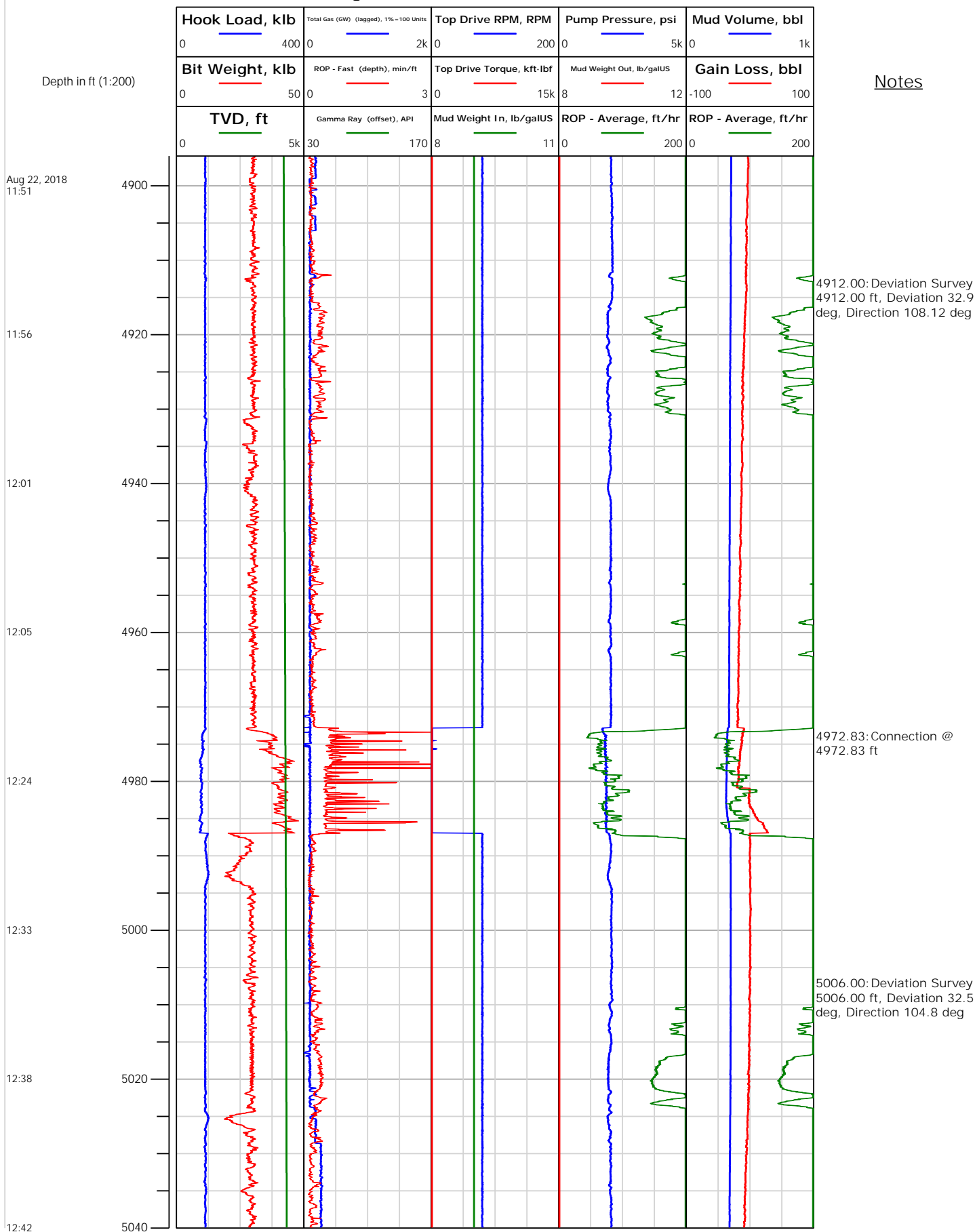
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





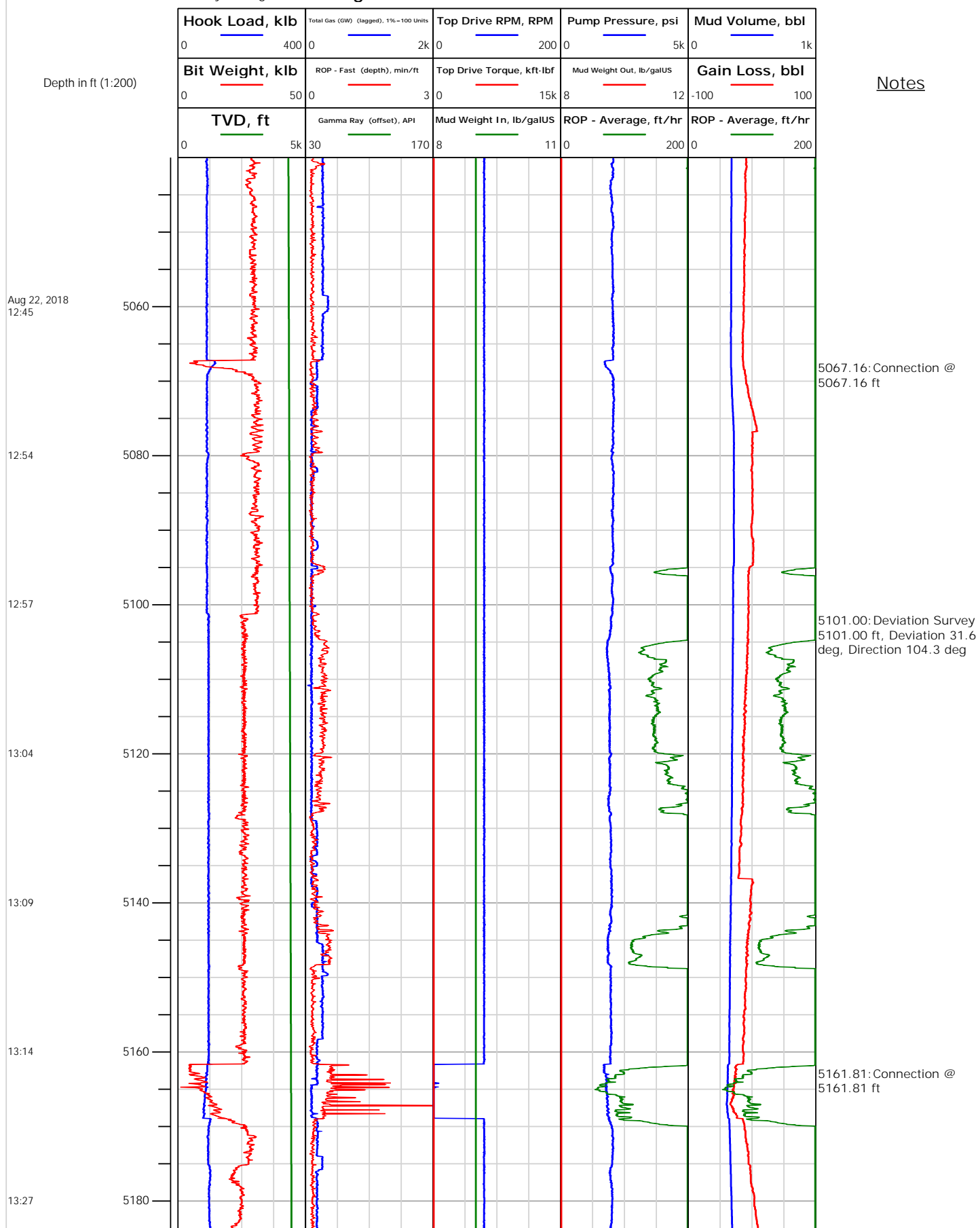
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





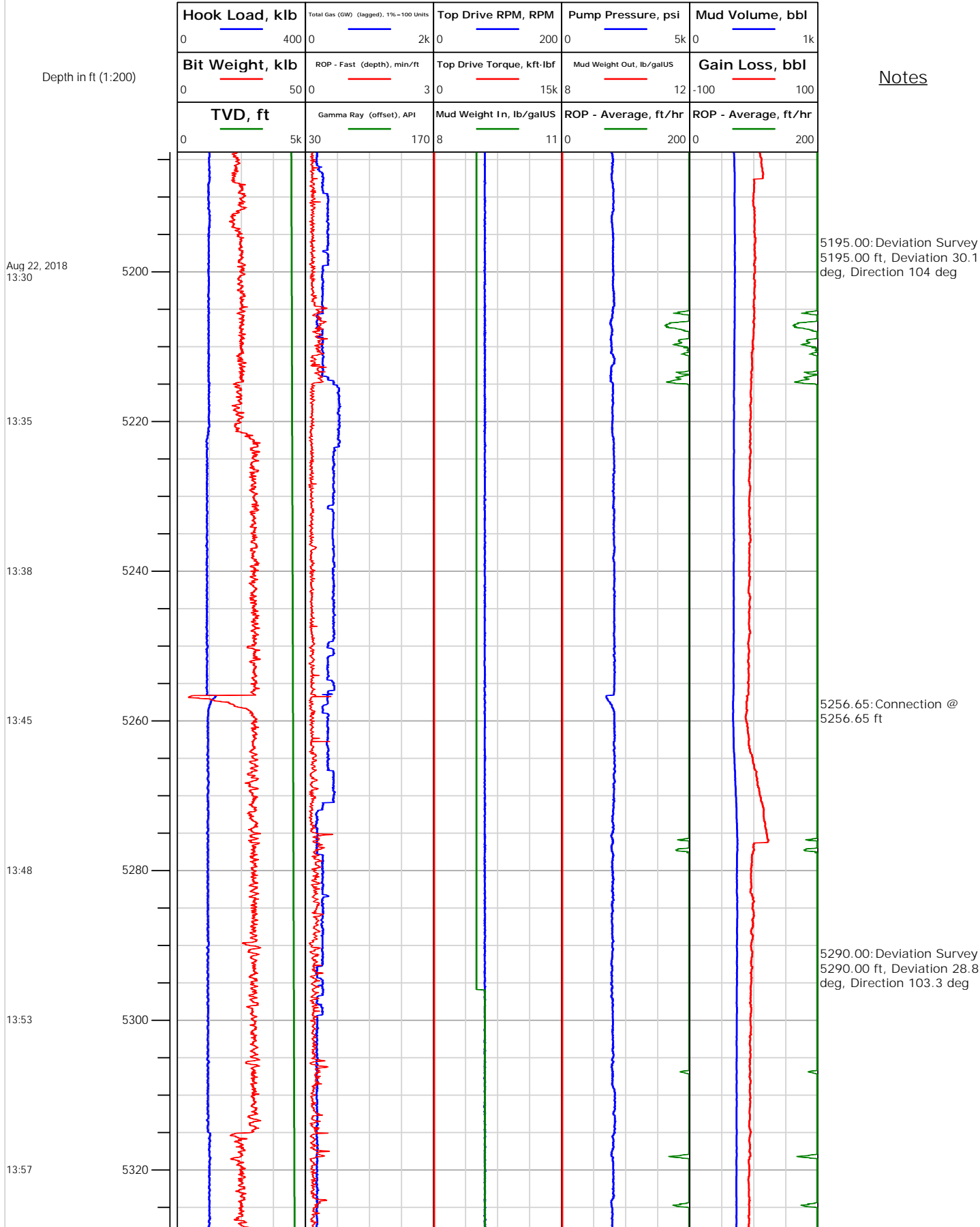
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





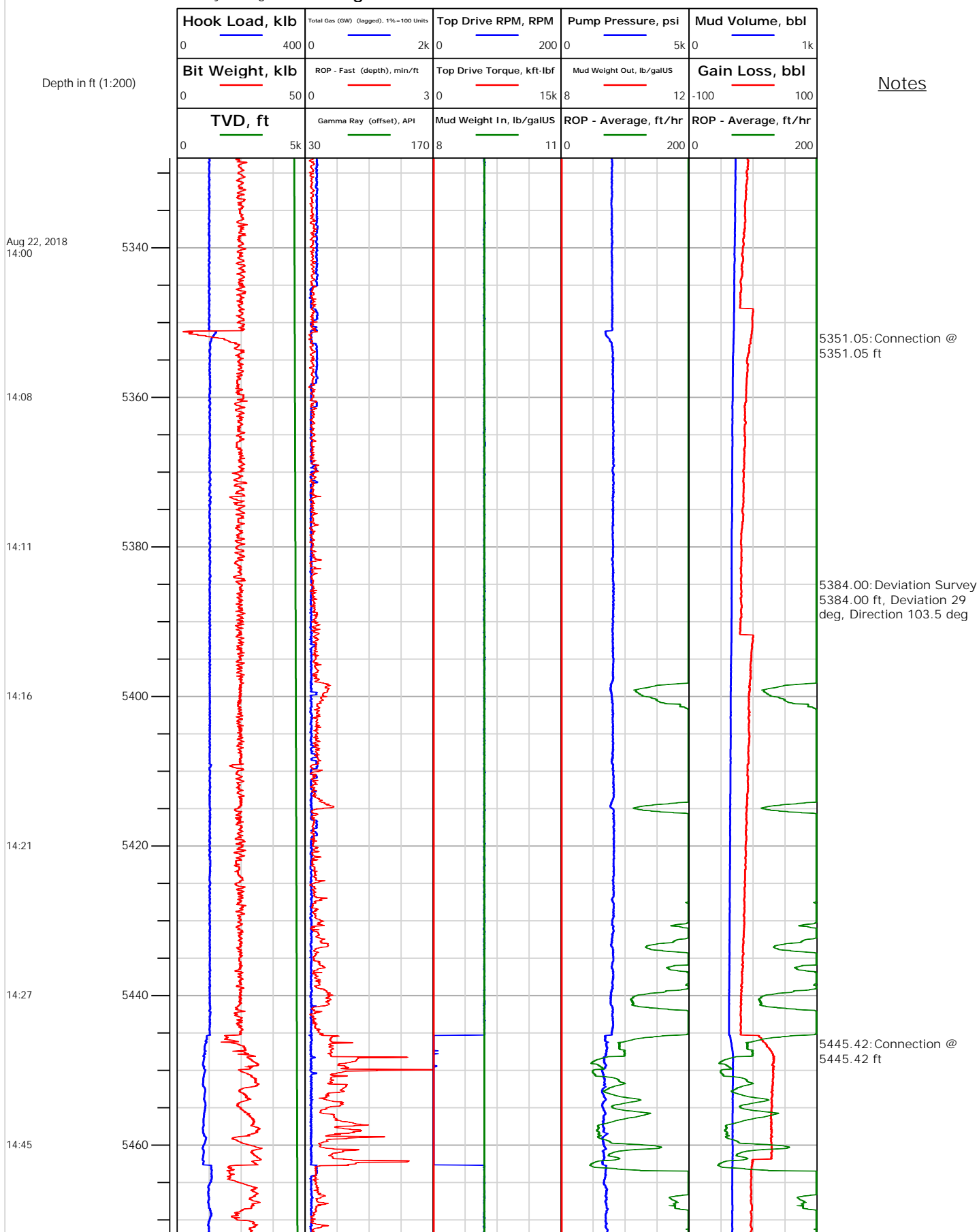
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Contractor: Helmerich & Payne Drig Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





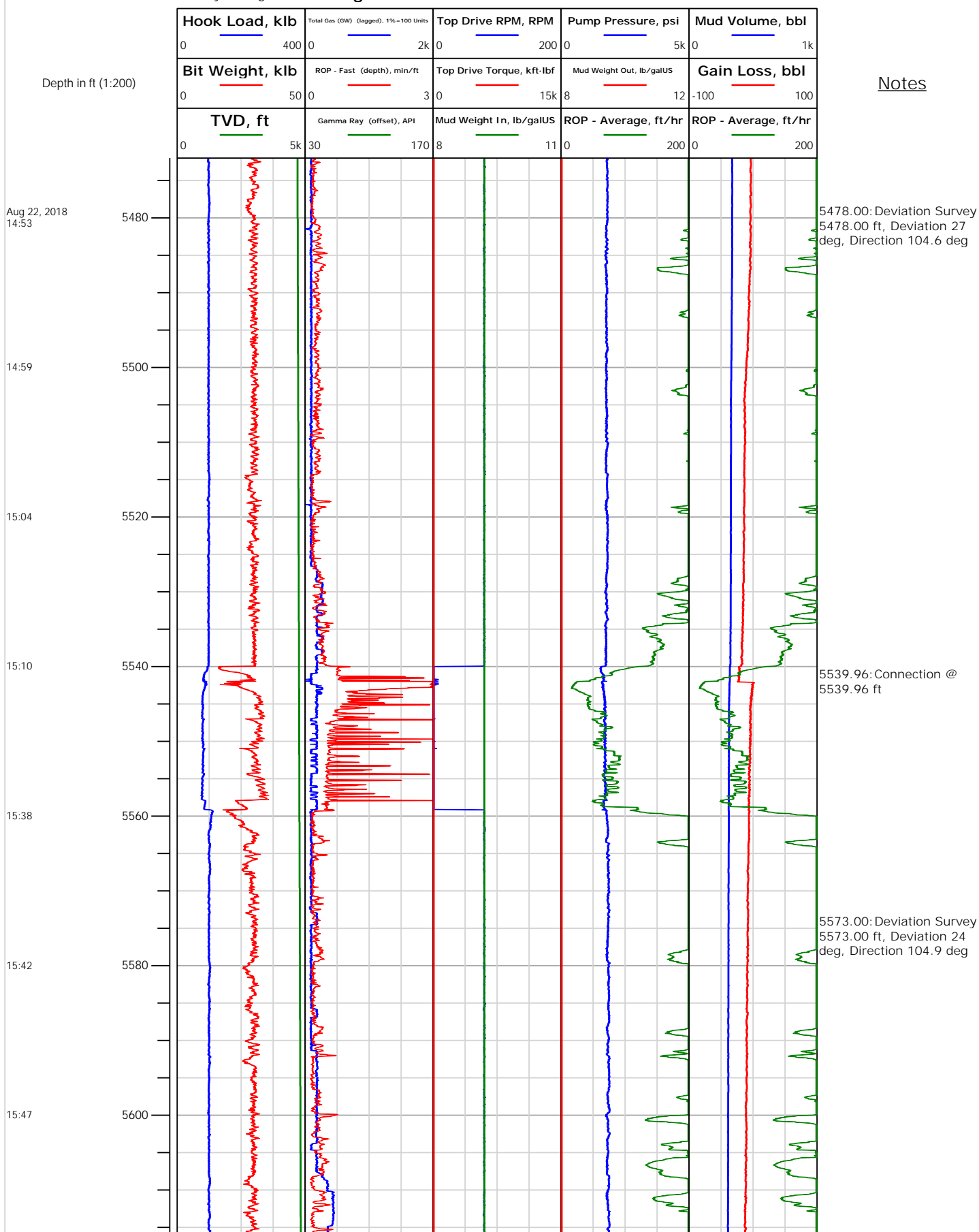
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes



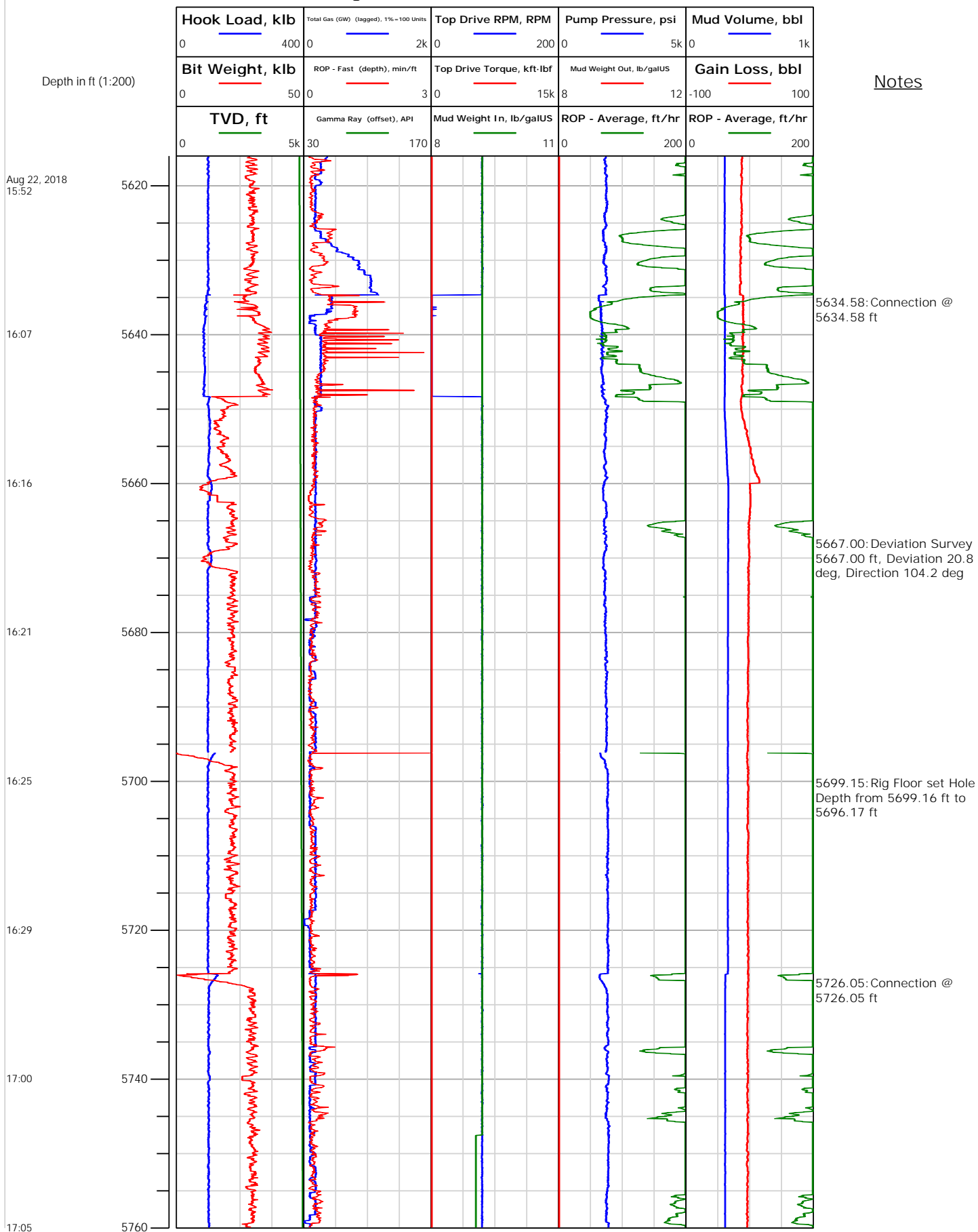


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Contractor: Helmerich & Payne Drilg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:





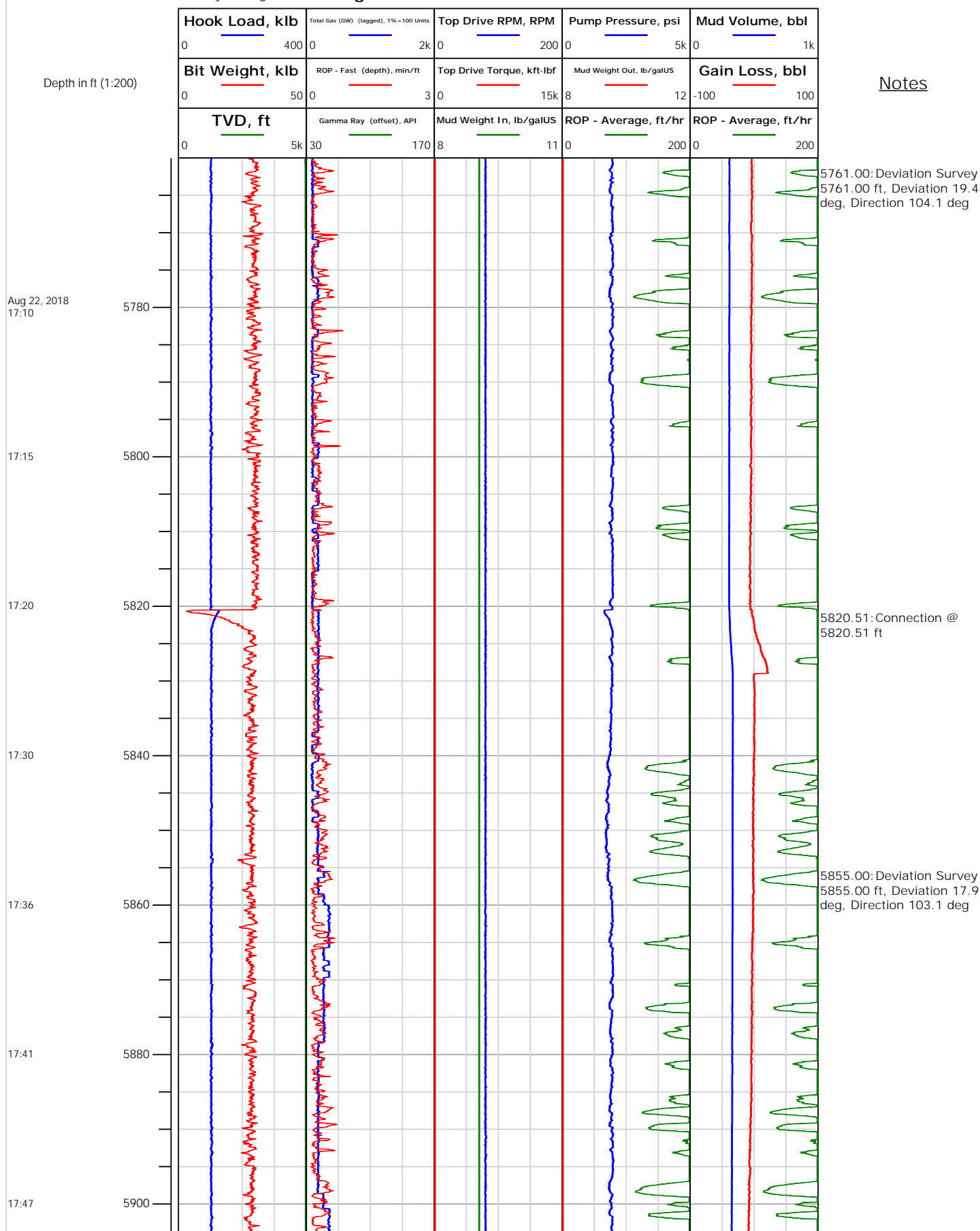
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





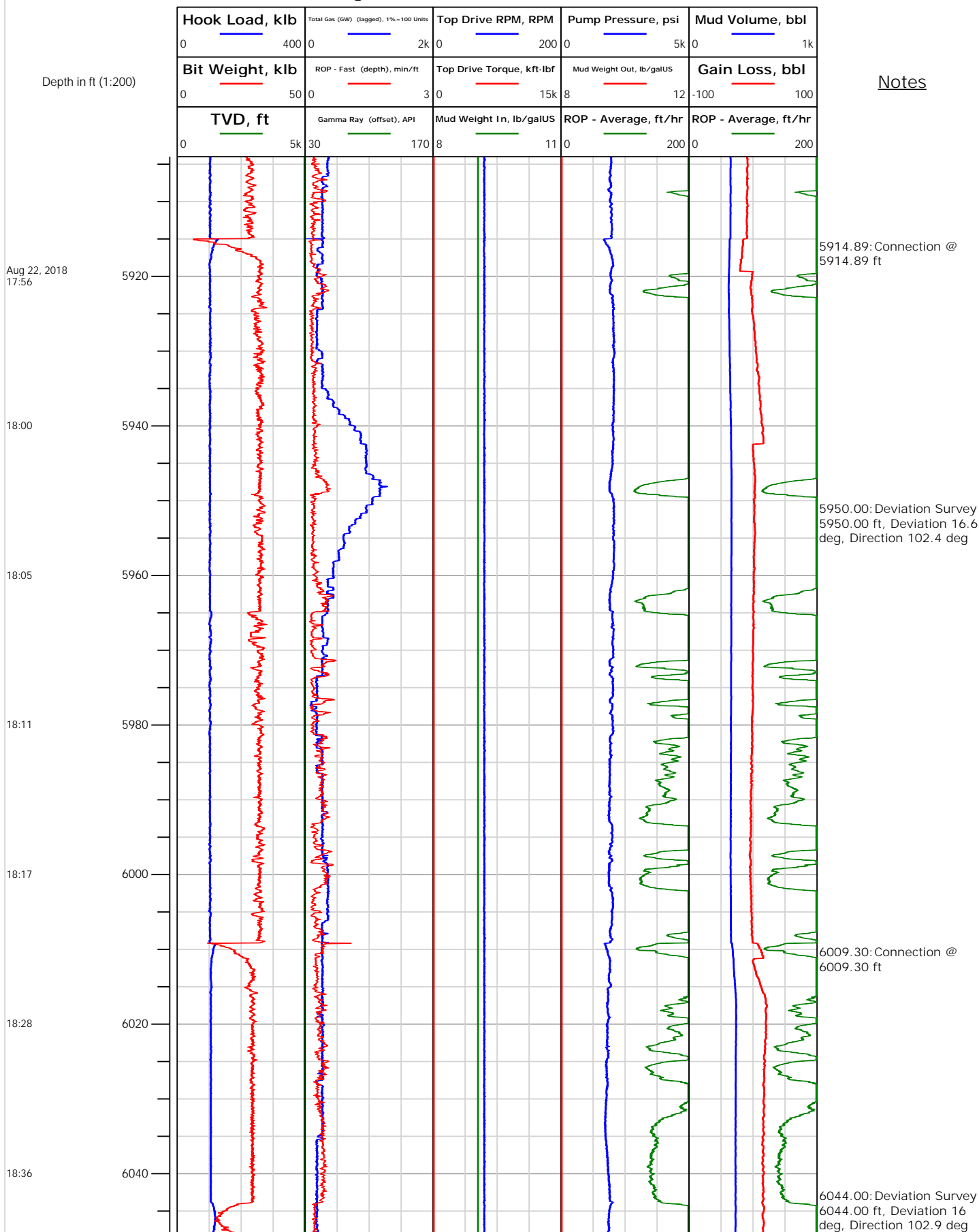
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





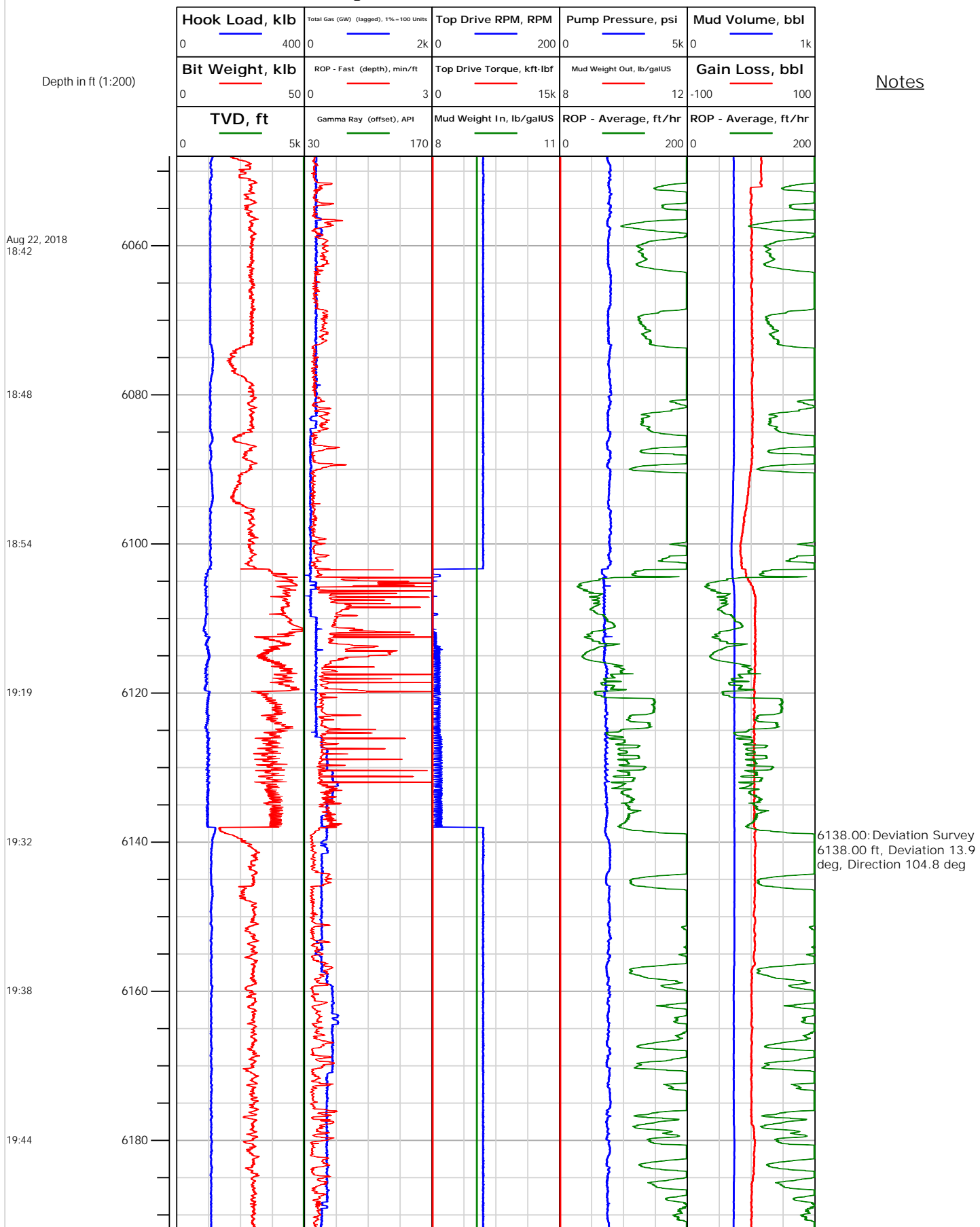
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes

Depth in ft (1:200)

Aug 22, 2018
19:56

20:11

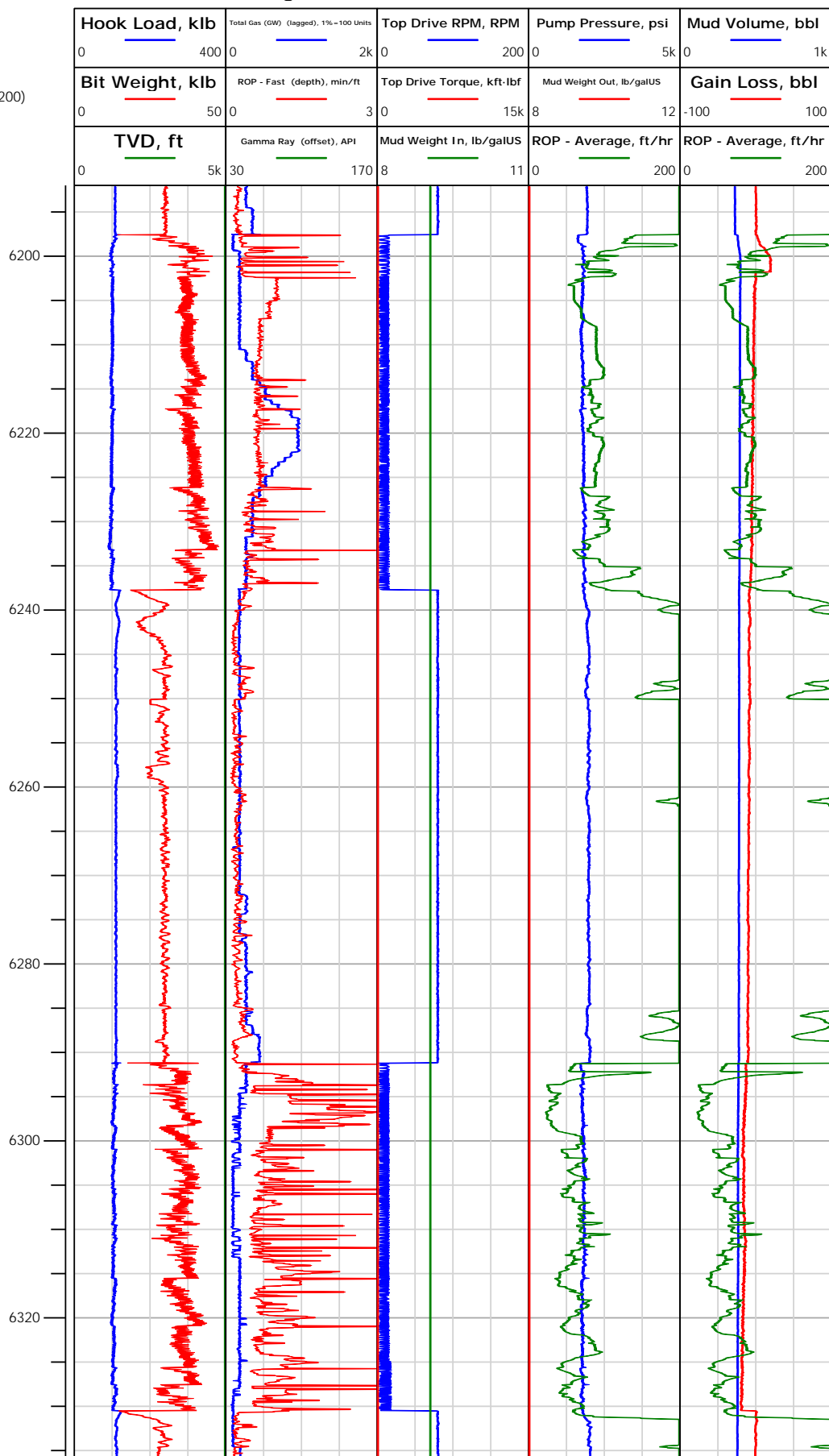
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20:32

20:37

20:59

21:20





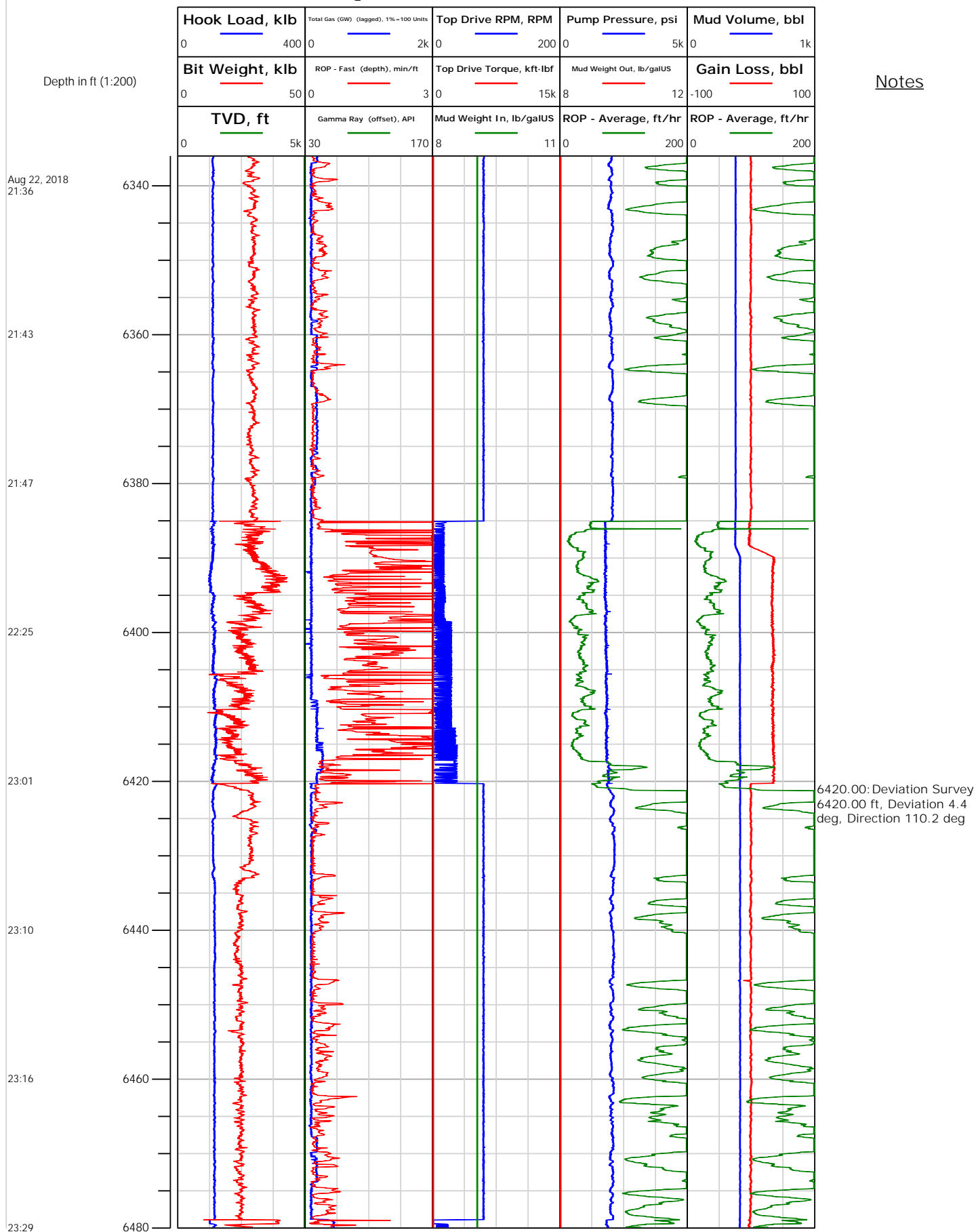
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





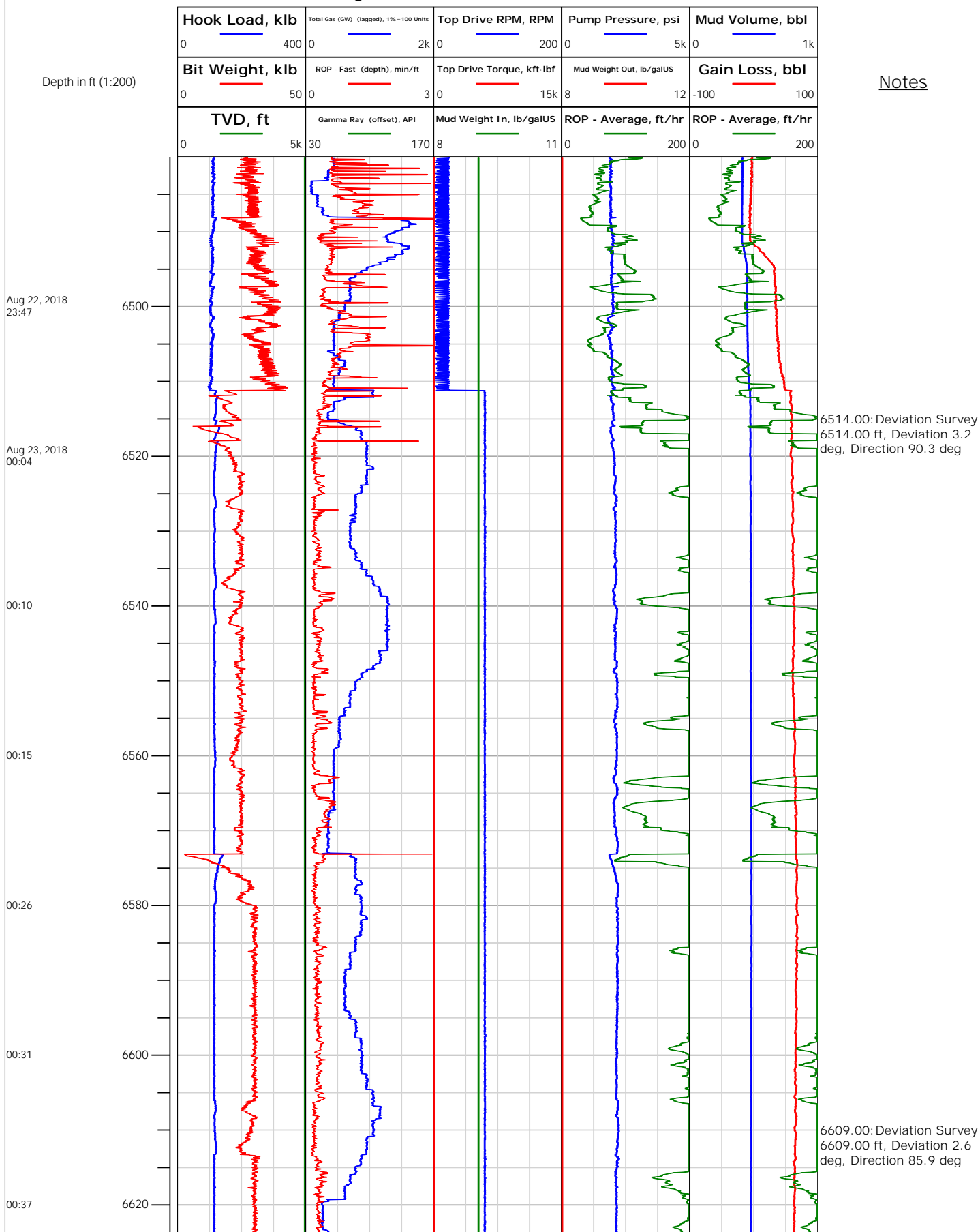
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





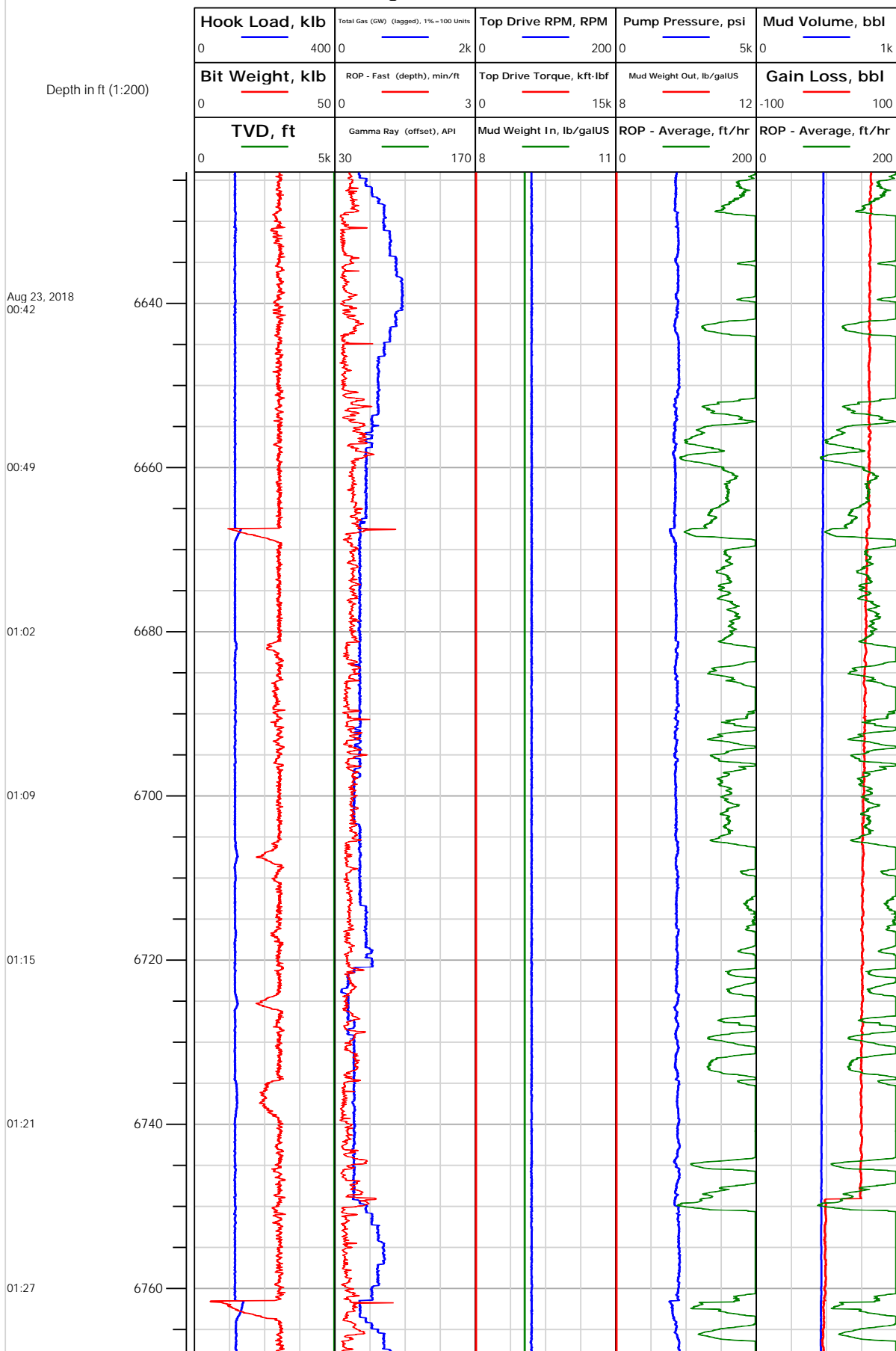
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





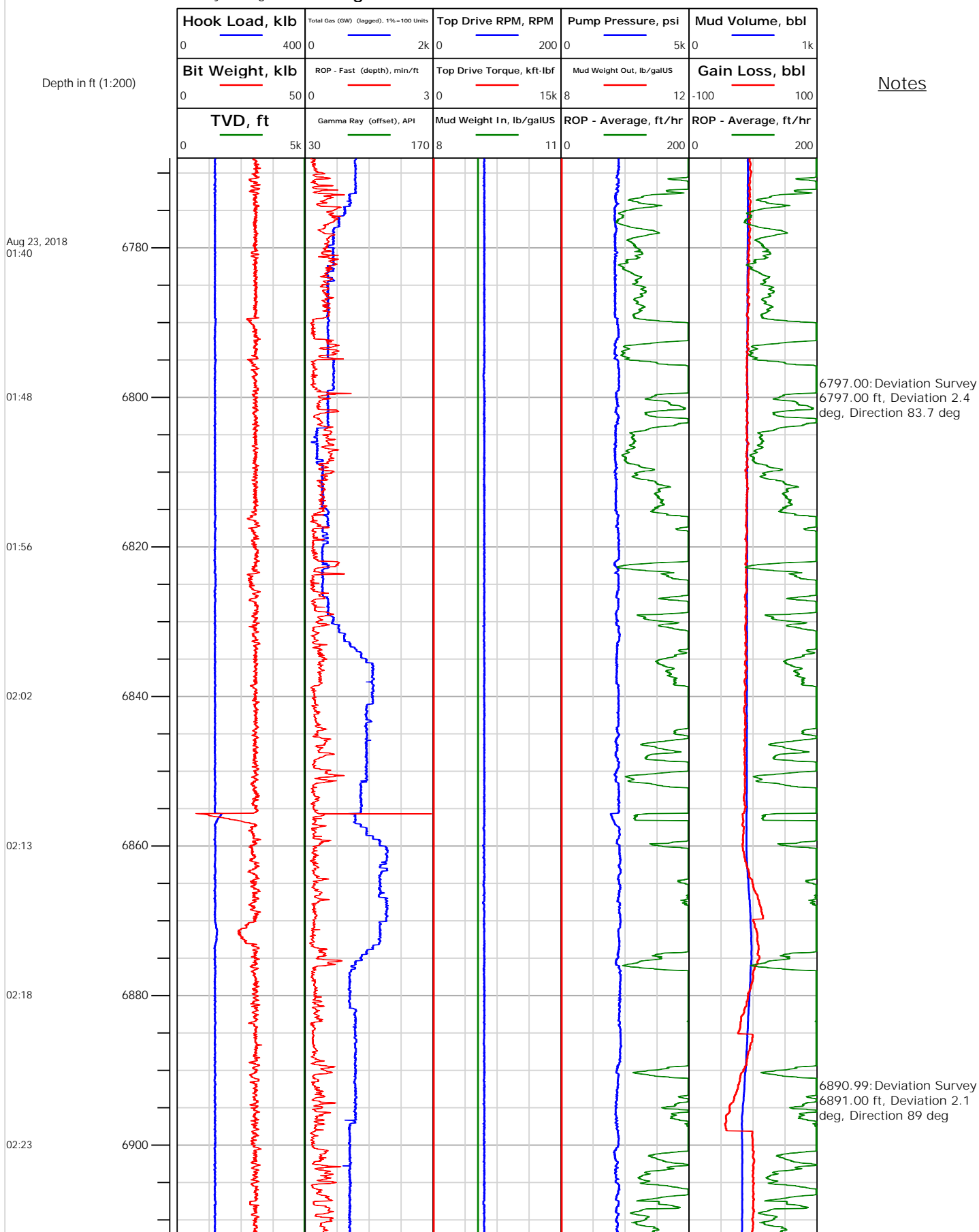
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





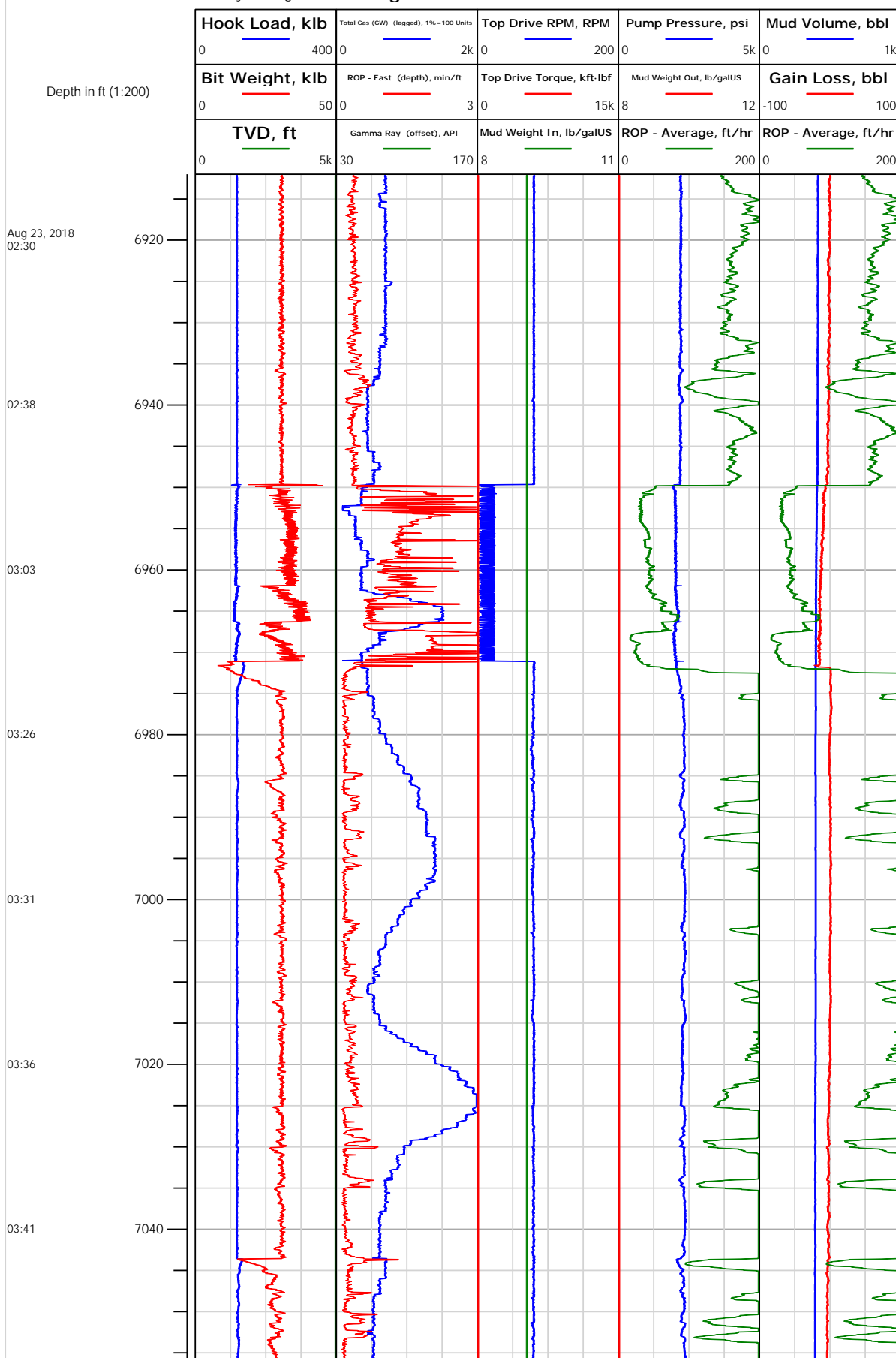
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





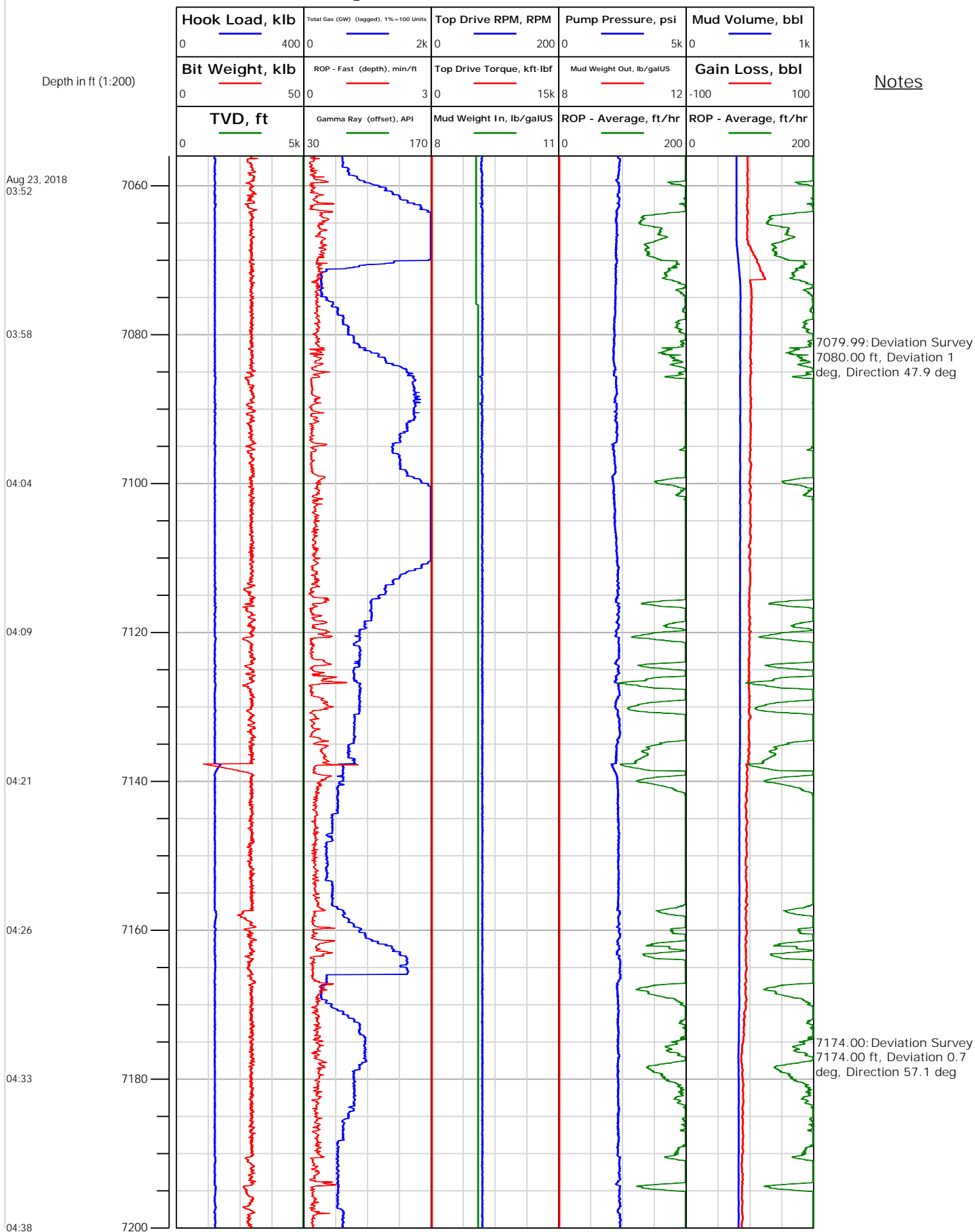
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





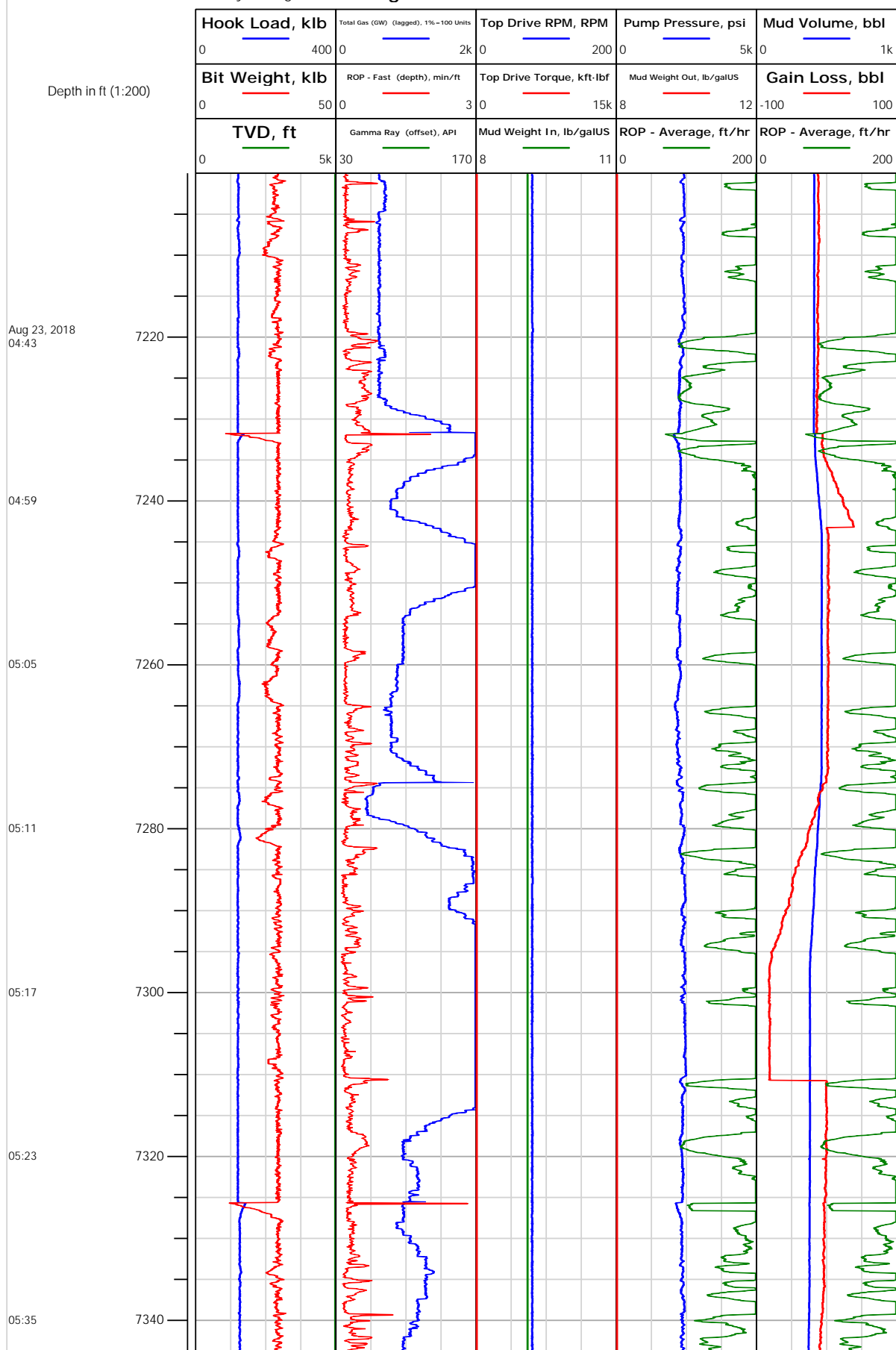
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





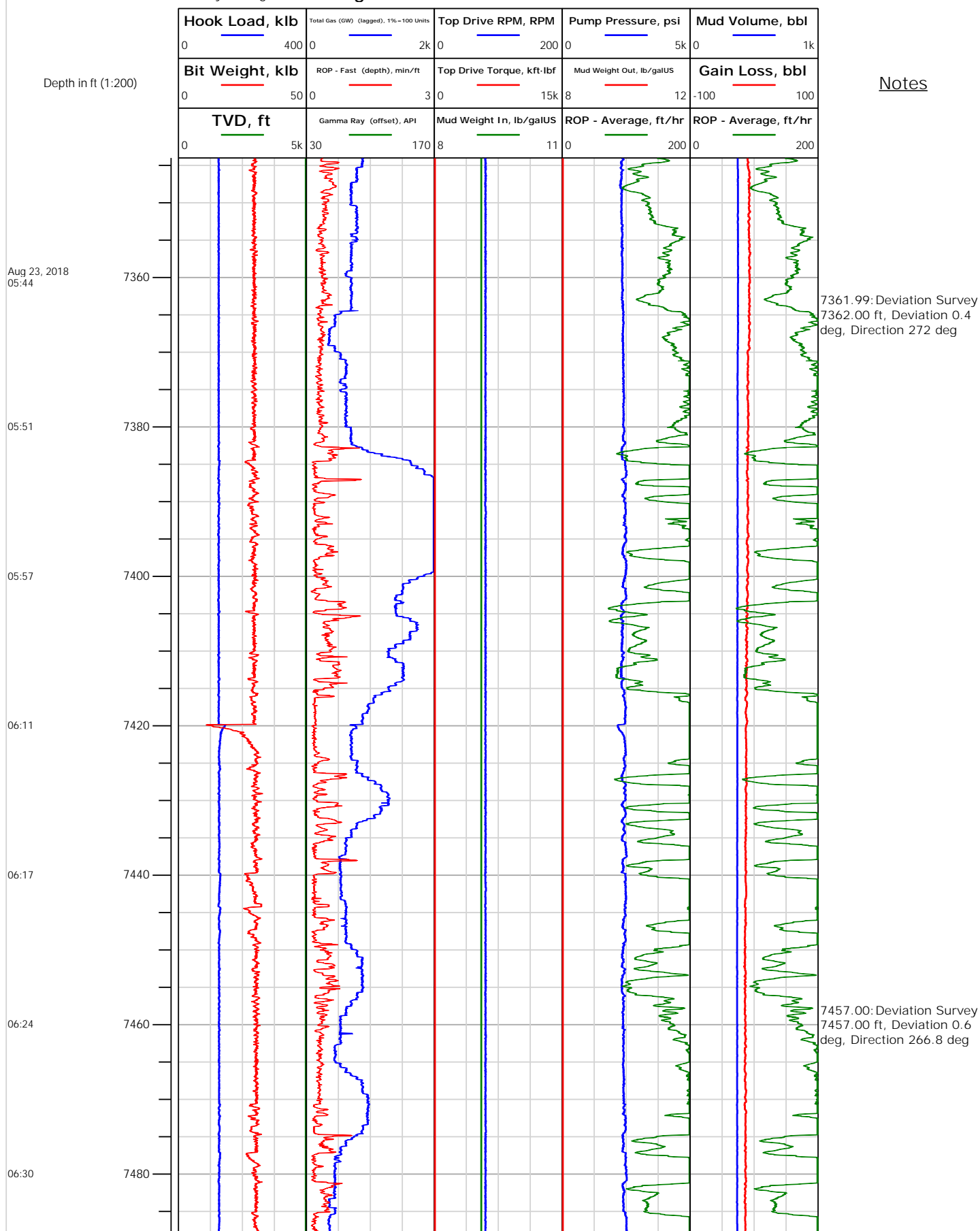
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





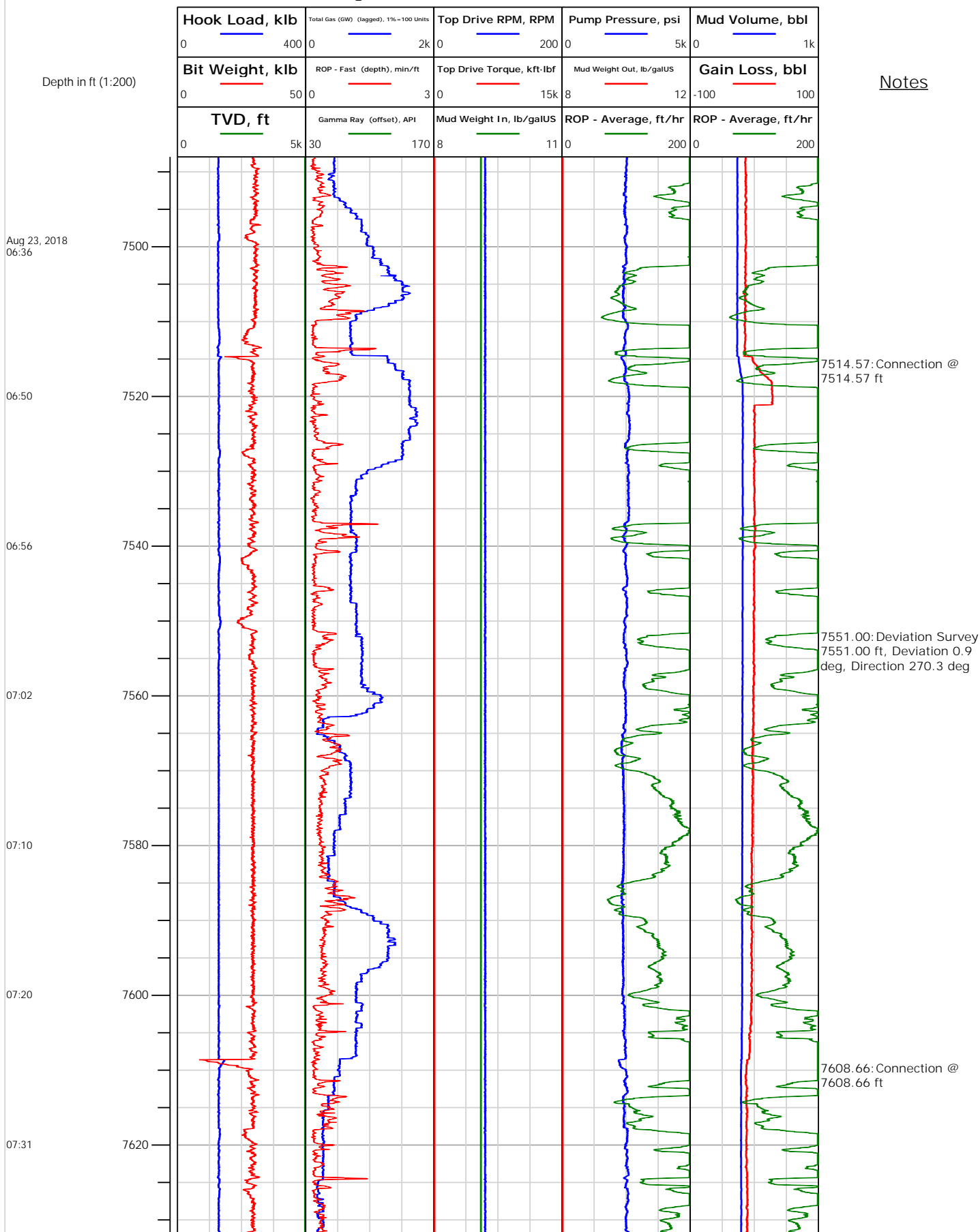
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





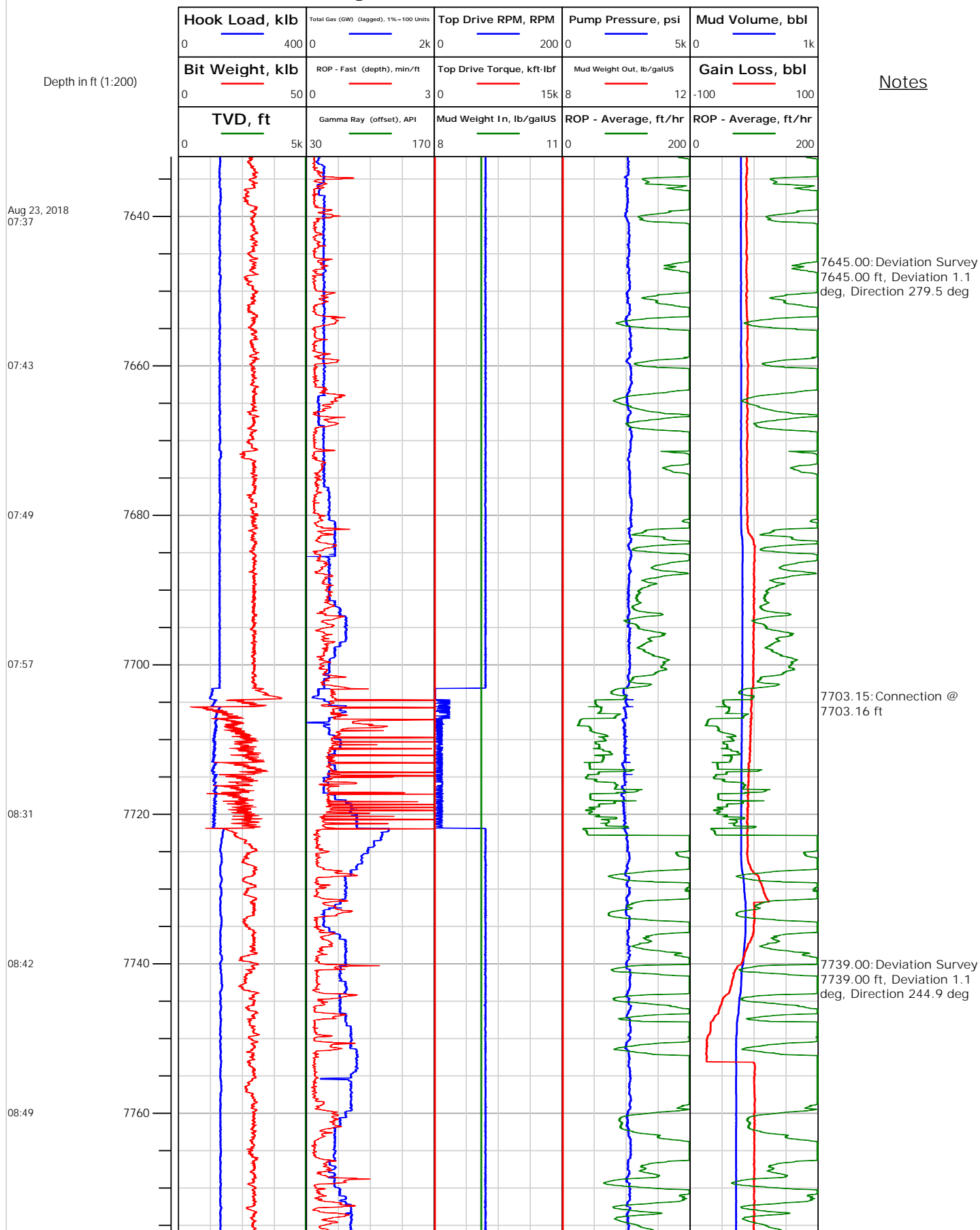
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





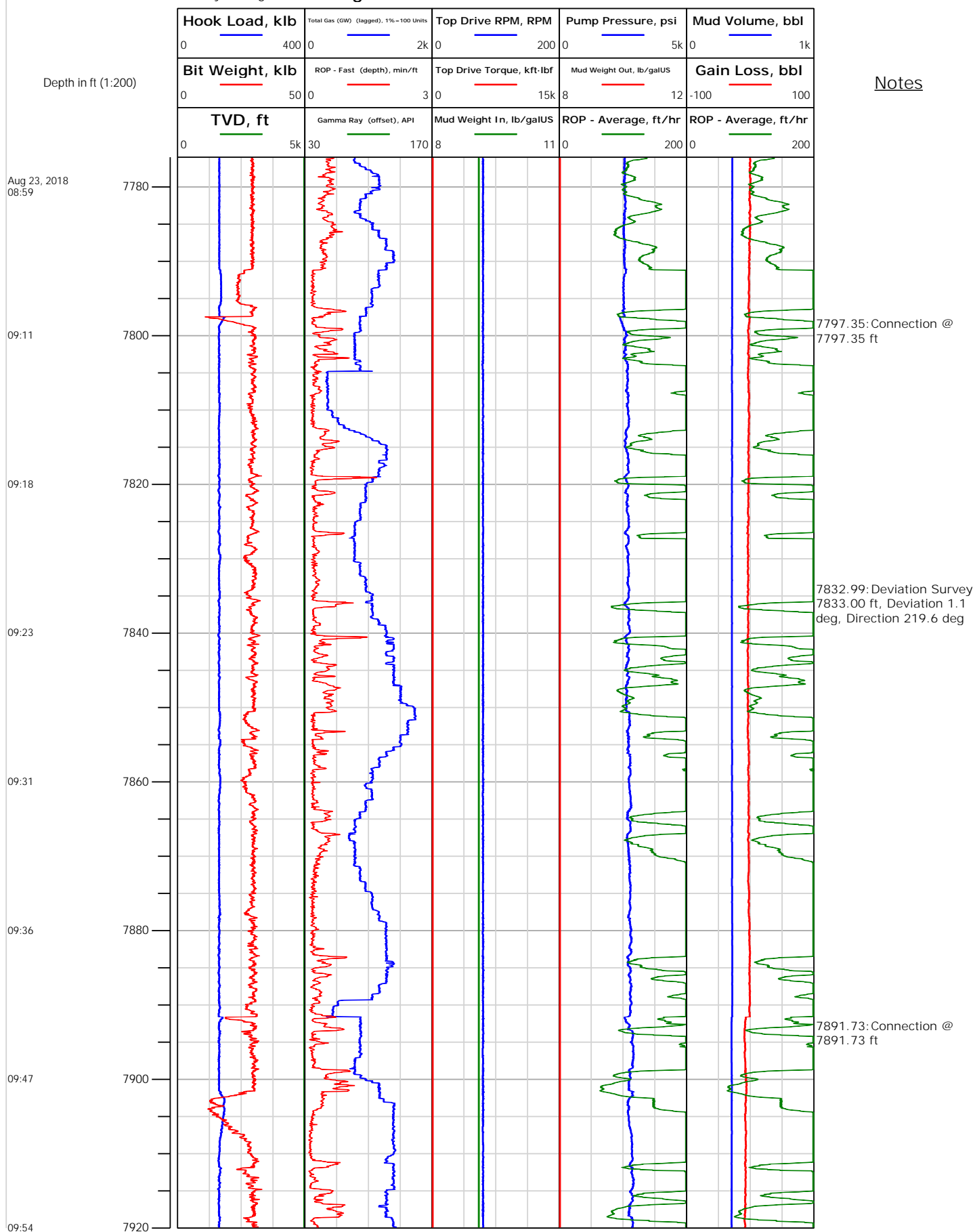
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





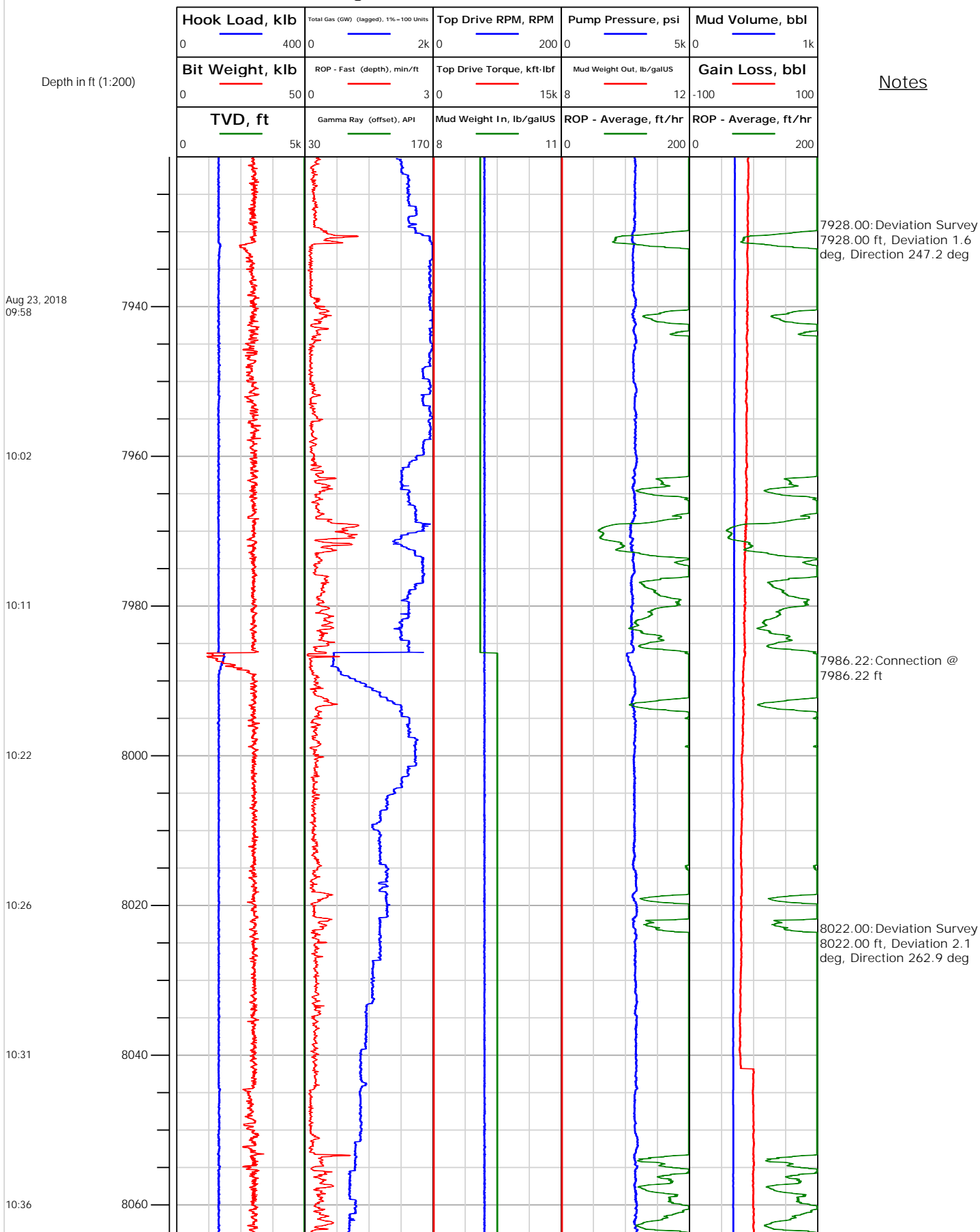
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





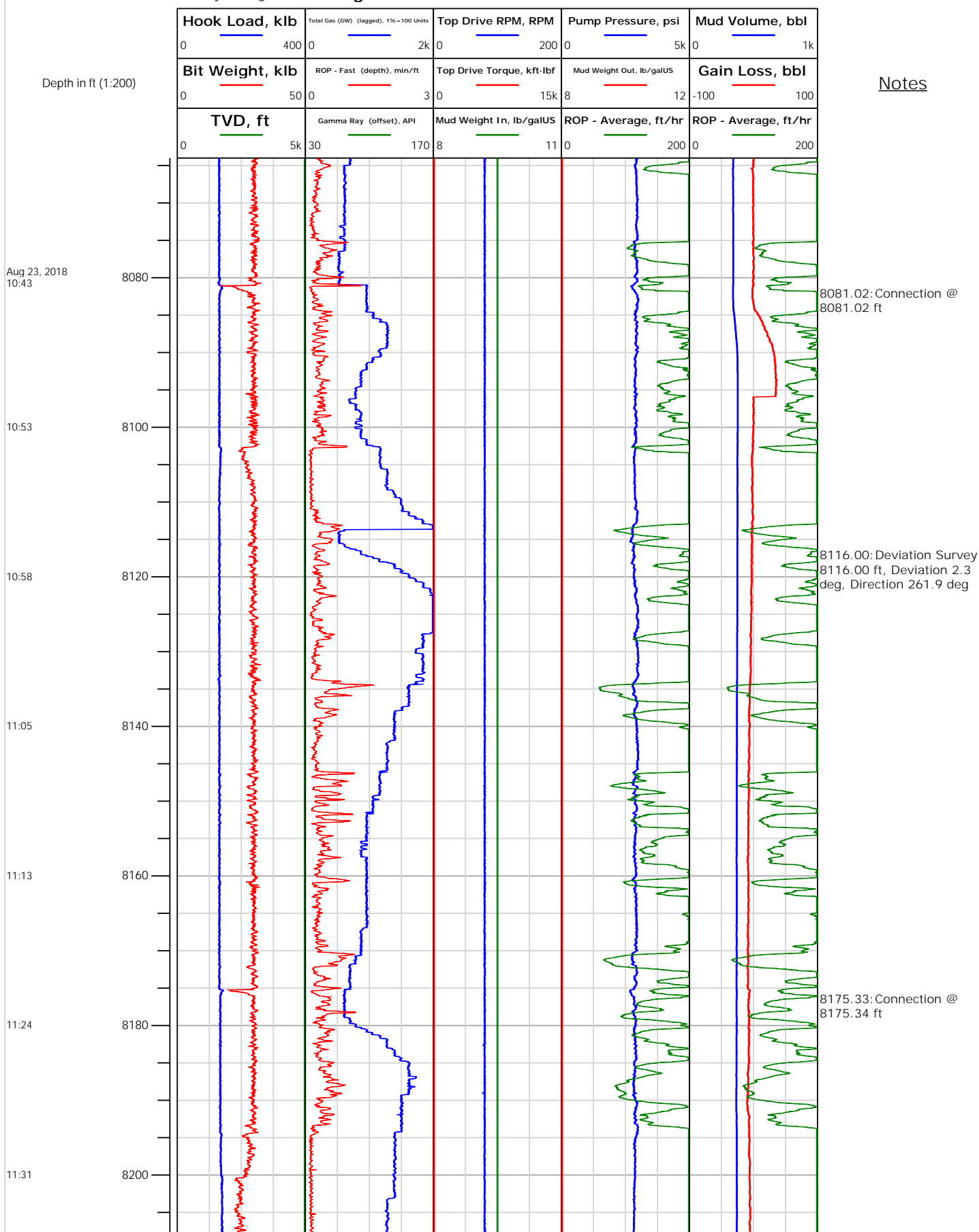
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





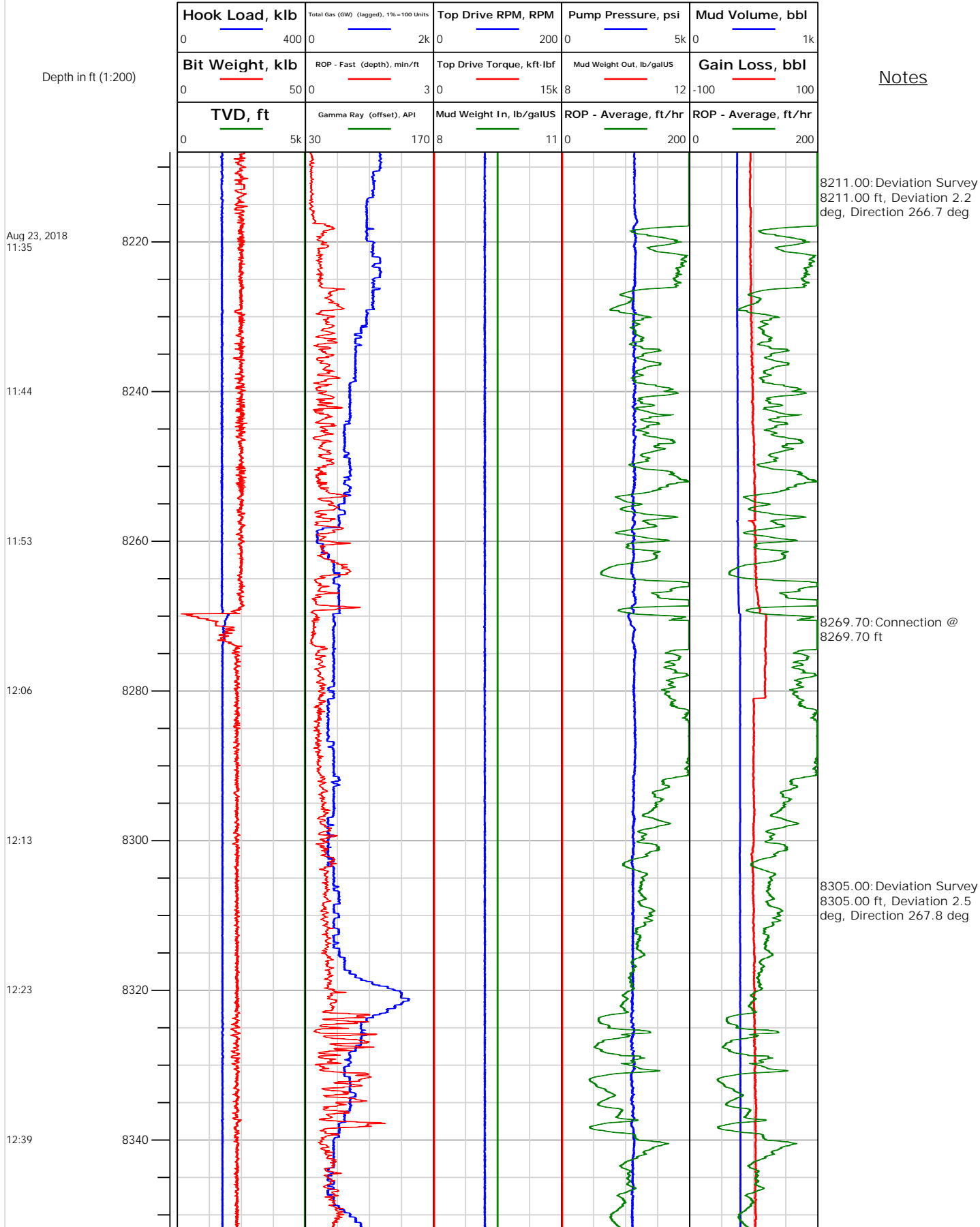
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Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





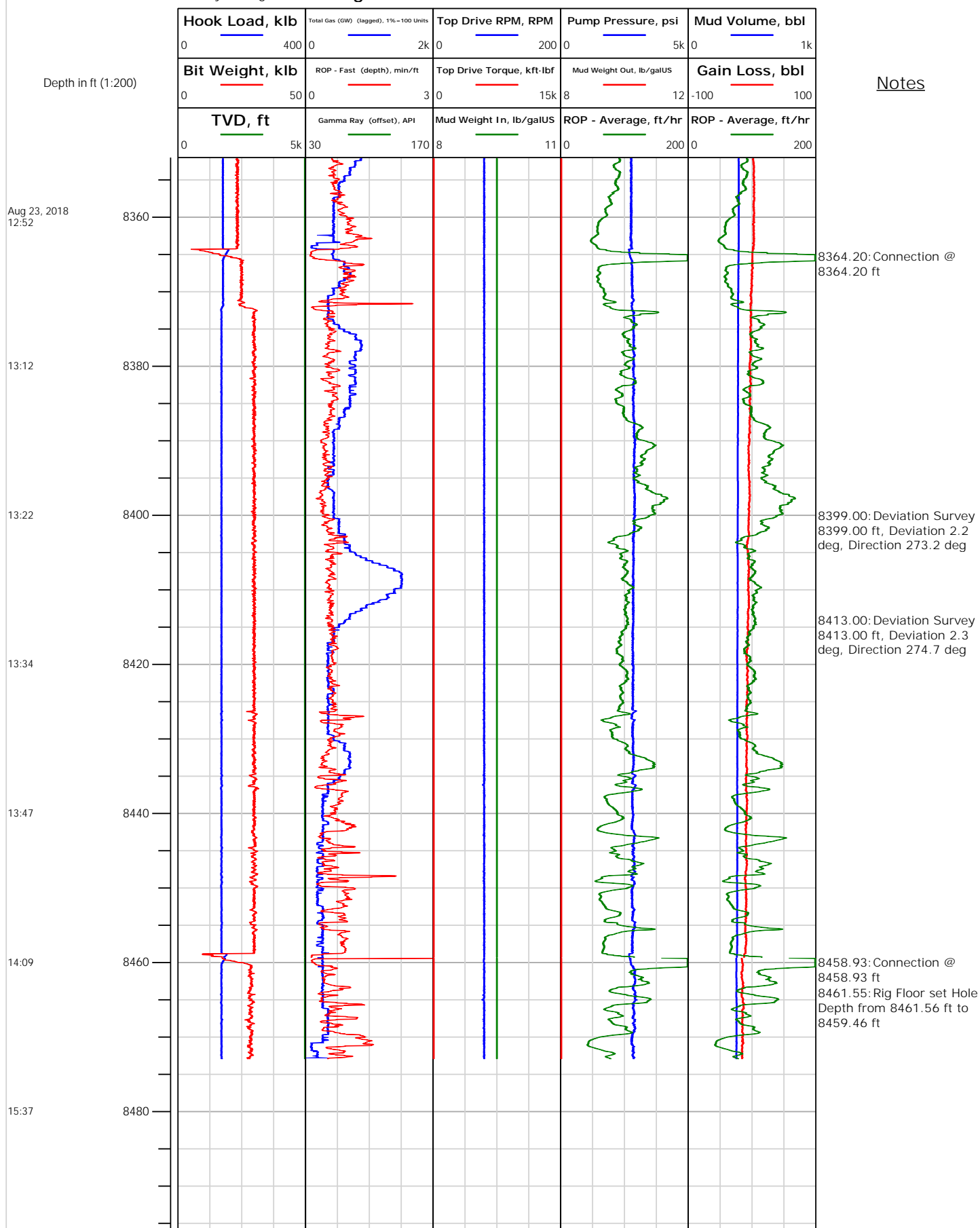
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: BCU 0993-21-10E
Rig: 522

Location:

Depth in ft (1:200)

Notes

Hook Load, klb	Total Gas (GW) (lagged), 1% = 100 Units	Top Drive RPM, RPM	Pump Pressure, psi	Mud Volume, bbl
0 400	0 2k	0 200	0 5k	0 1k
Bit Weight, klb	ROP - Fast (depth), min/ft	Top Drive Torque, kft-lbf	Mud Weight Out, lb/galUS	Gain Loss, bbl
0 50	0 3	0 15k	8 12	-100 100
TVD, ft	Gamma Ray (offset), API	Mud Weight In, lb/galUS	ROP - Average, ft/hr	ROP - Average, ft/hr
0 5k	30 170	8 11	0 200	0 200

8500