

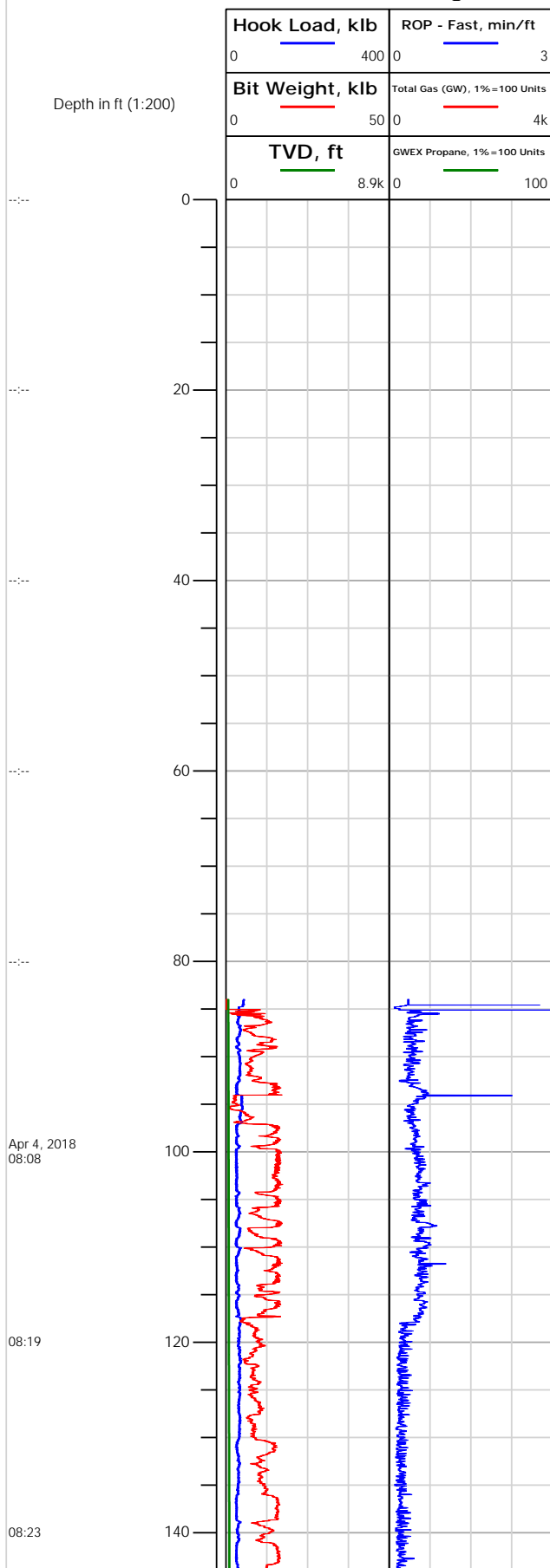


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:





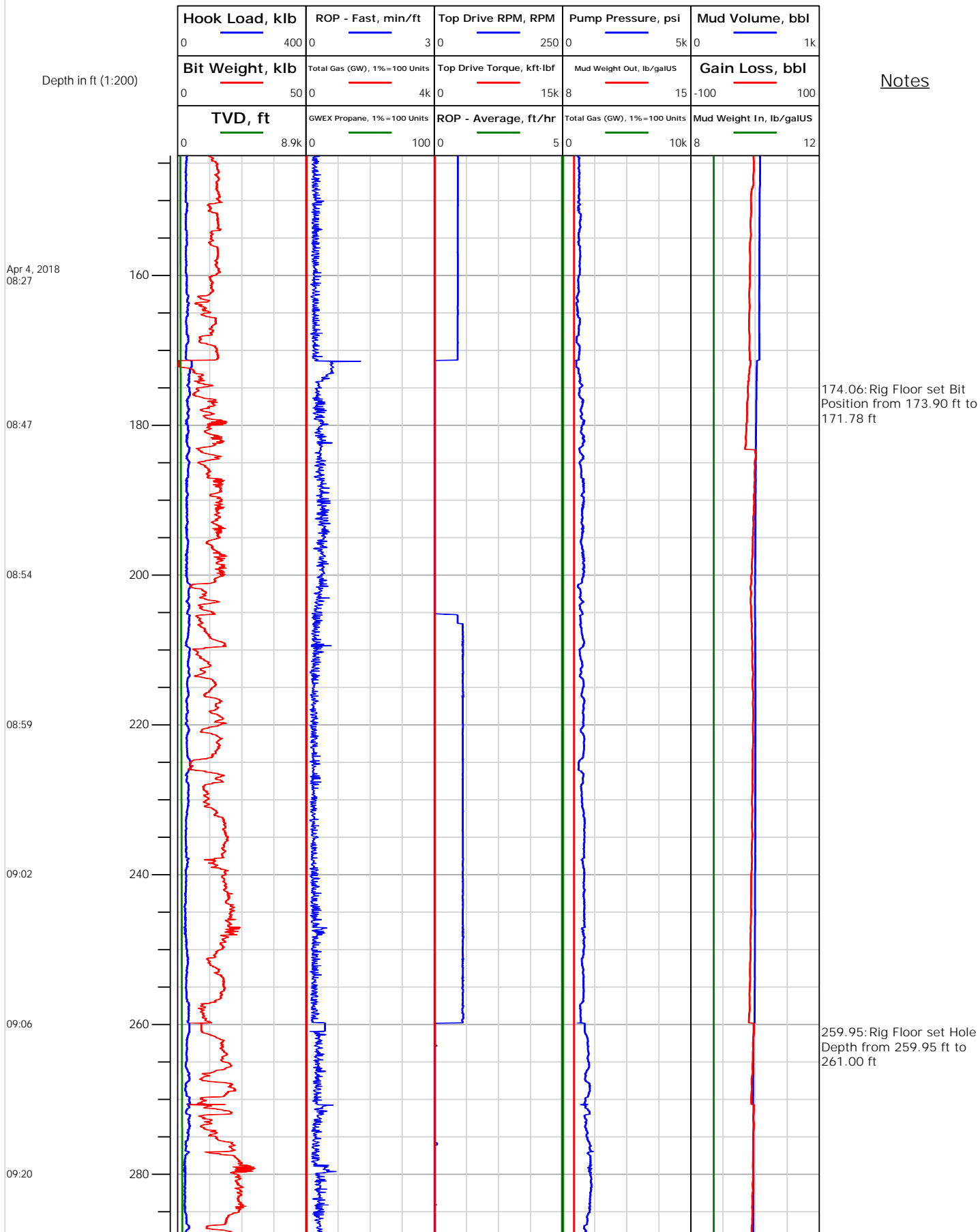
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





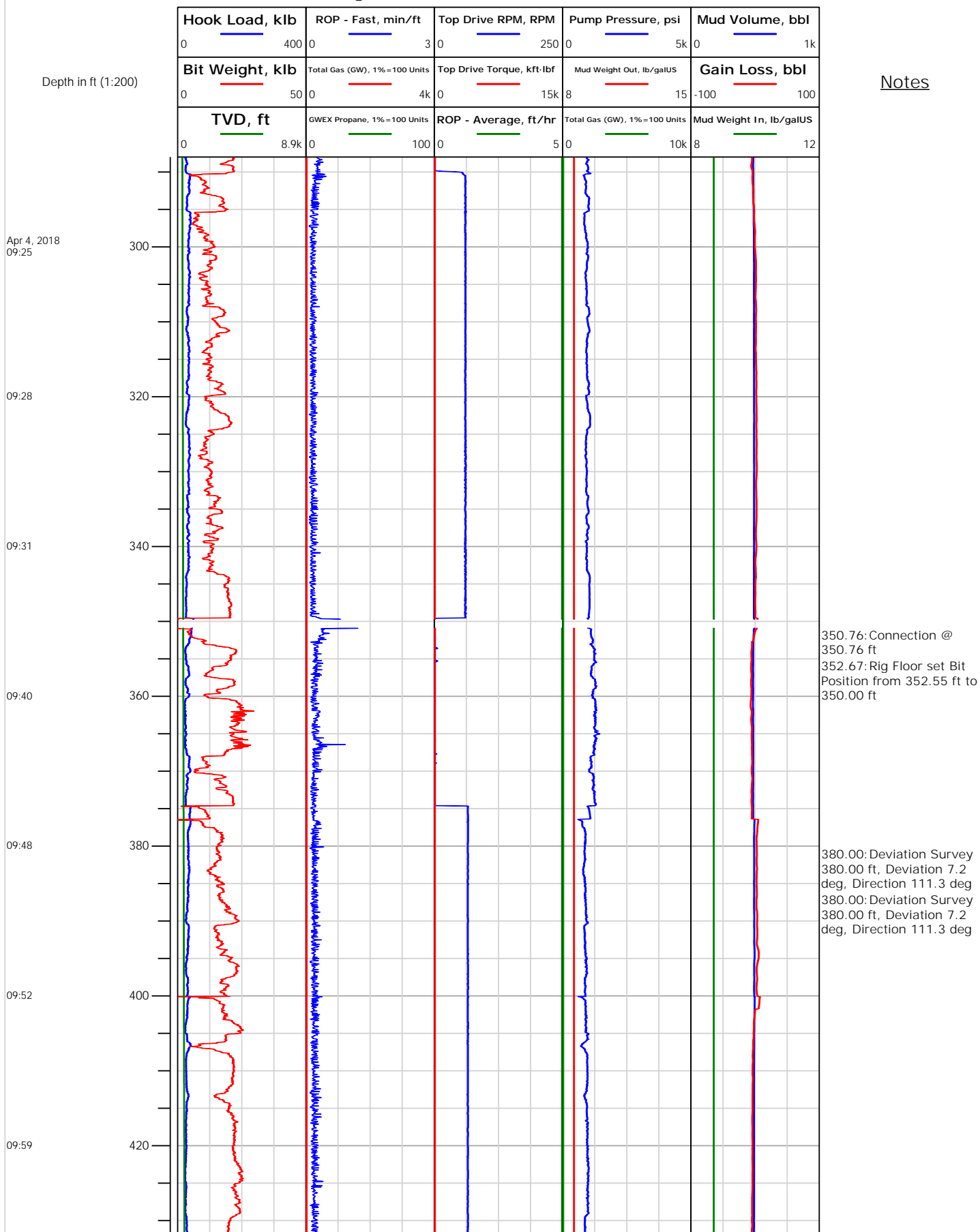
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





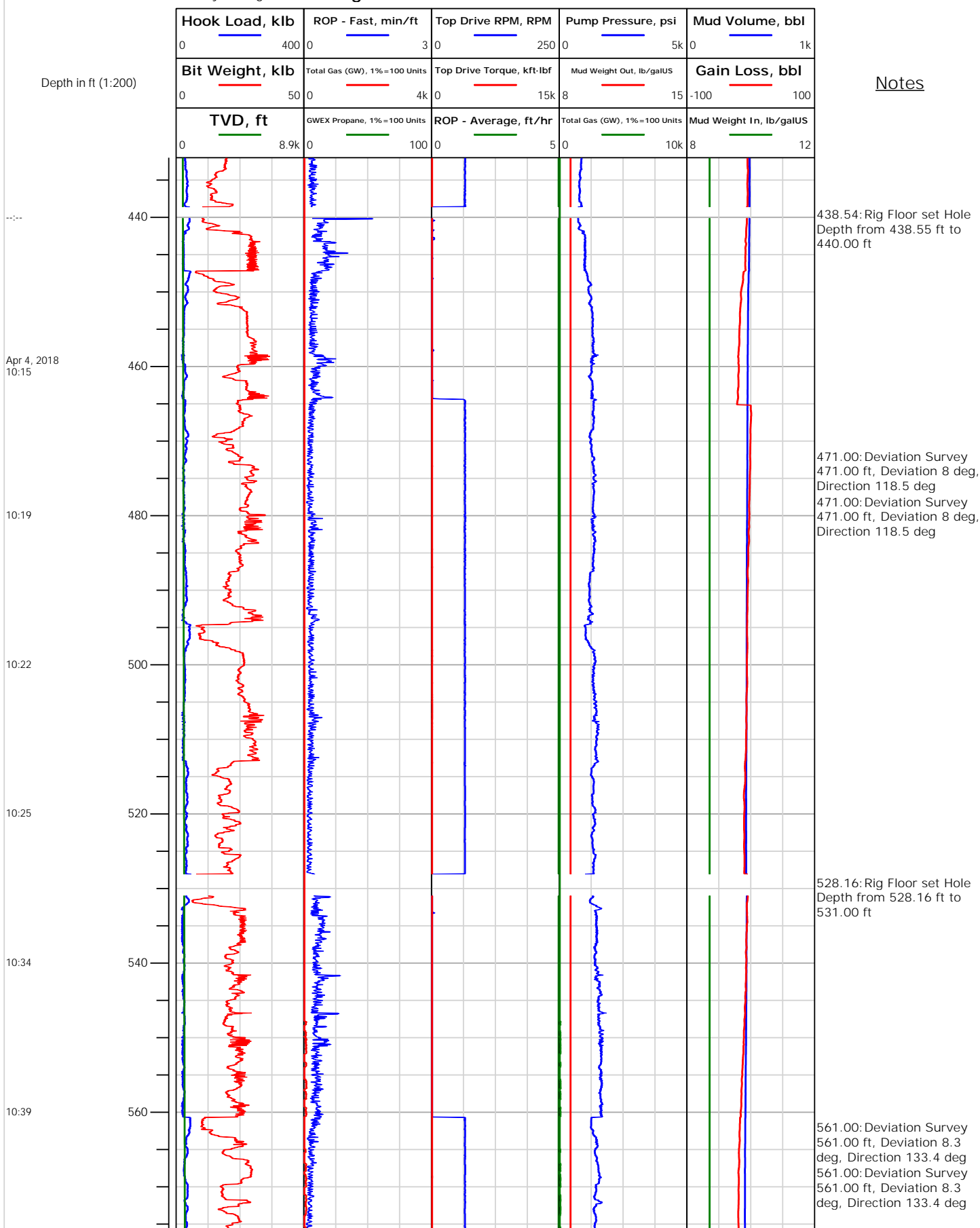
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





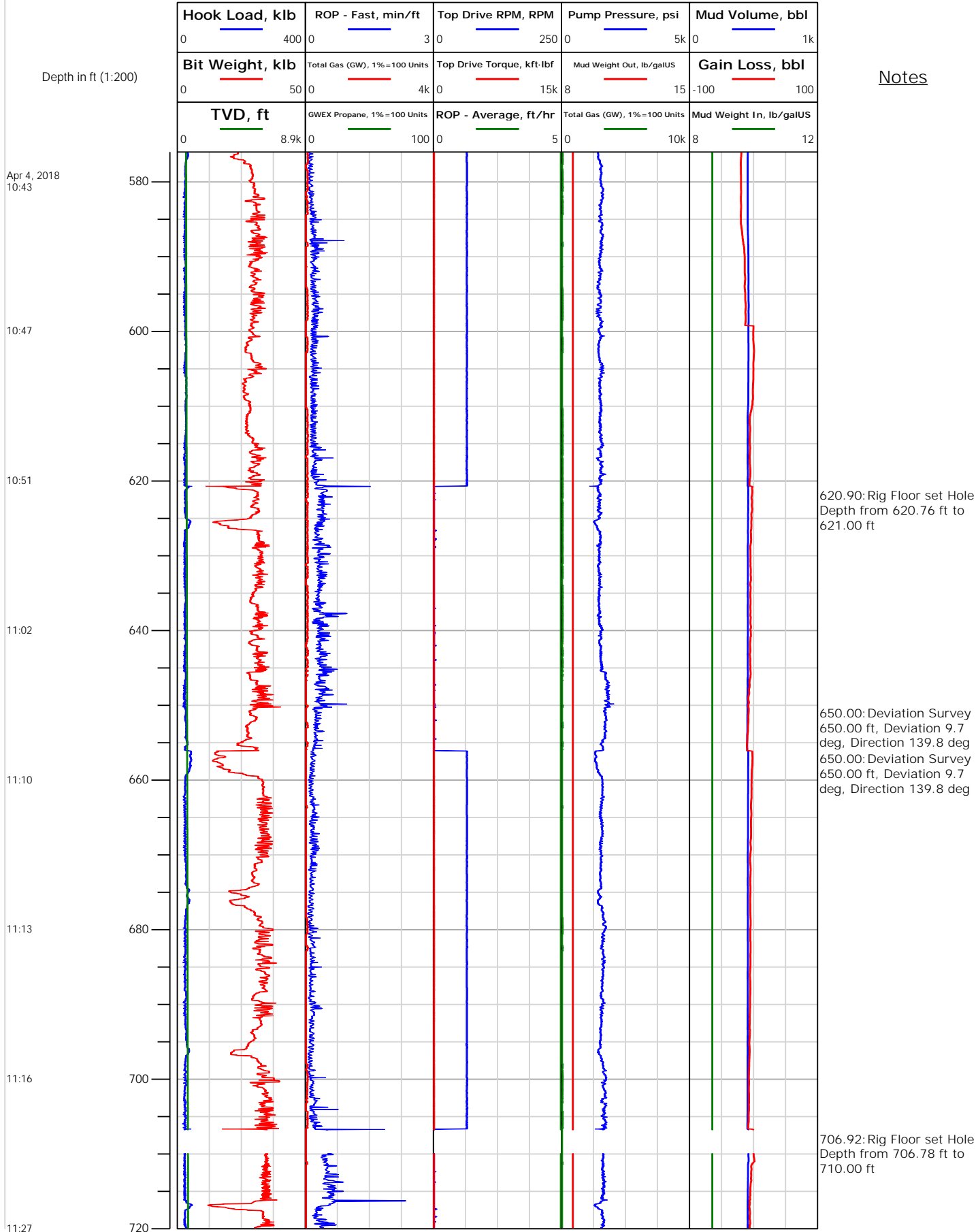
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





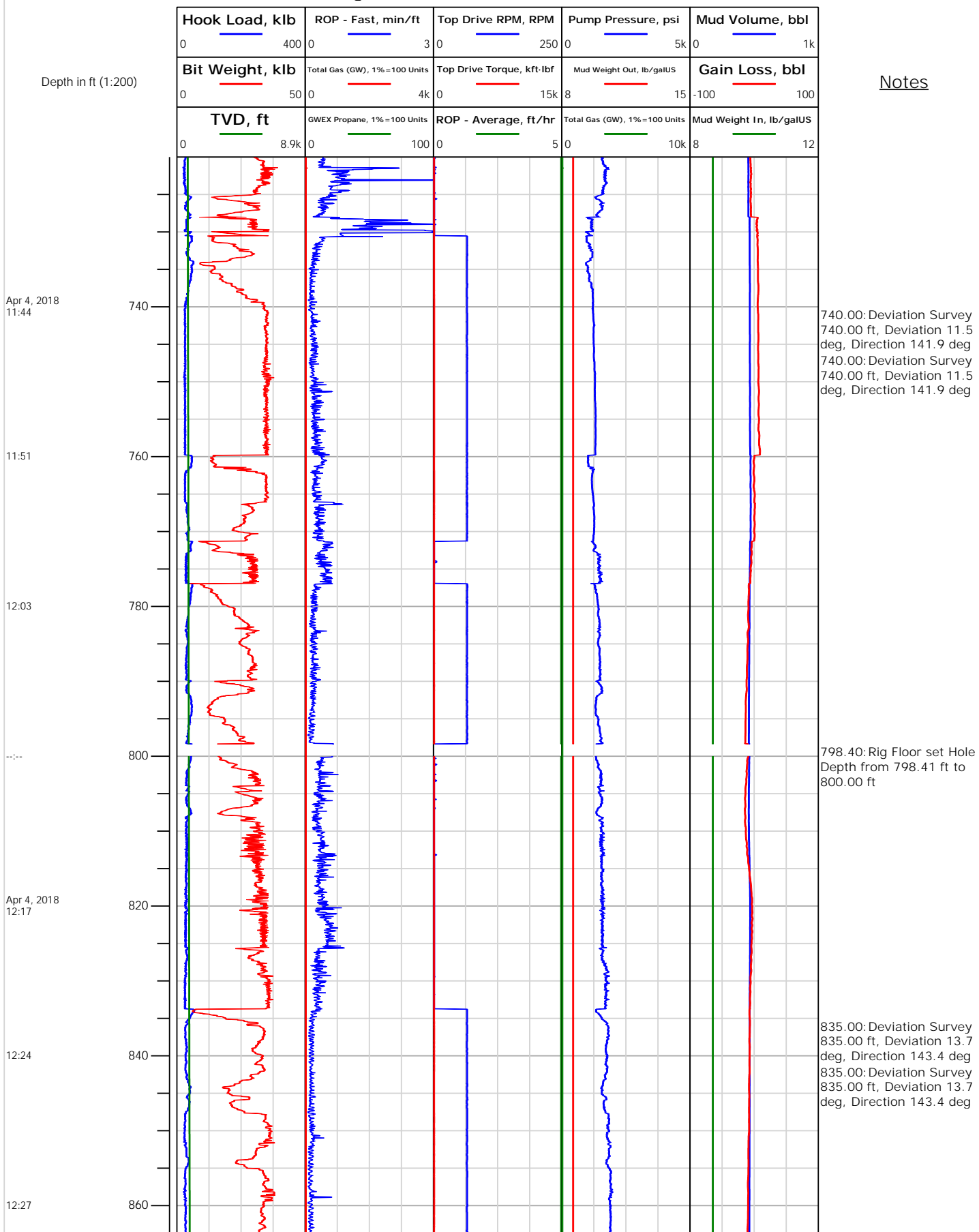
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





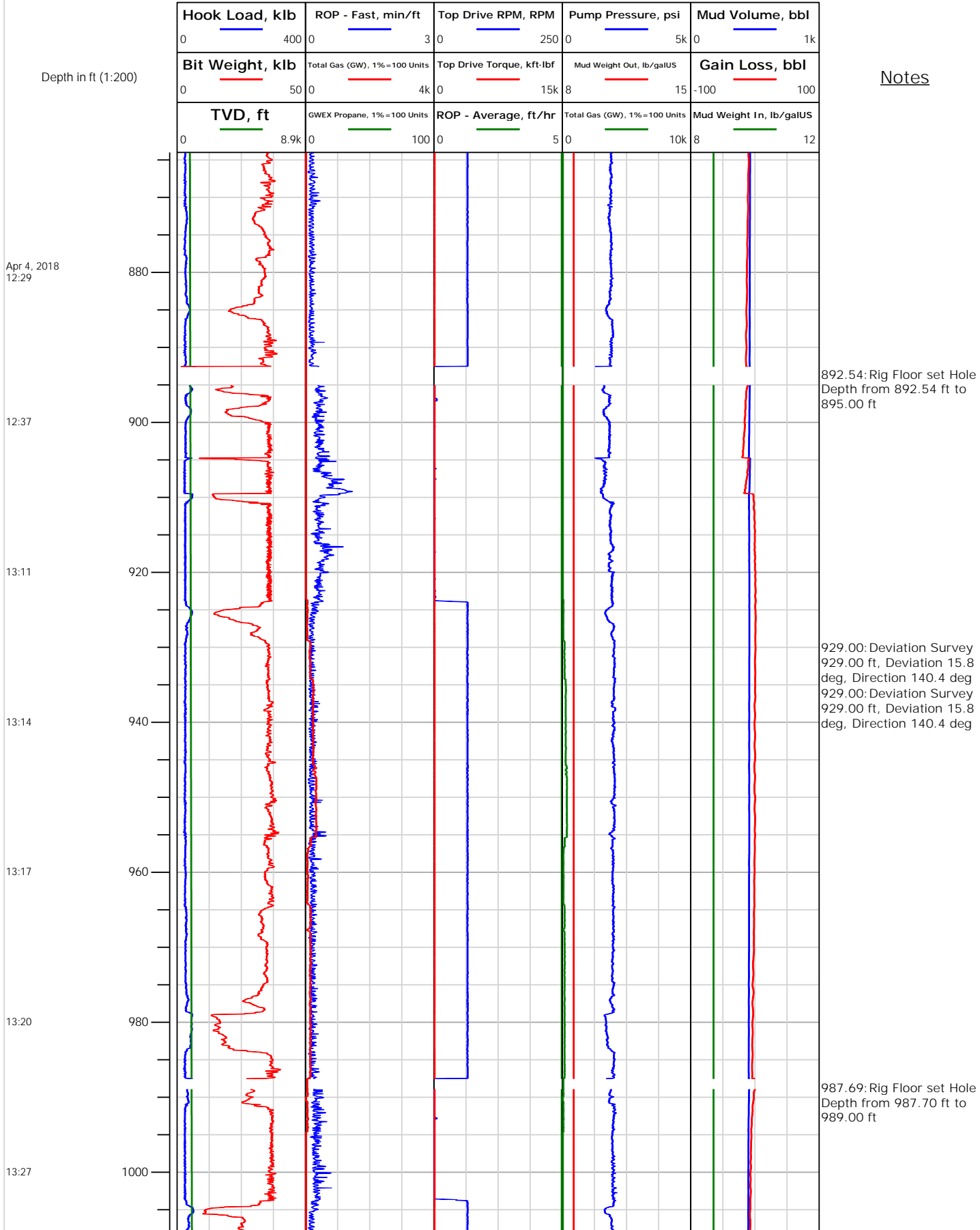
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





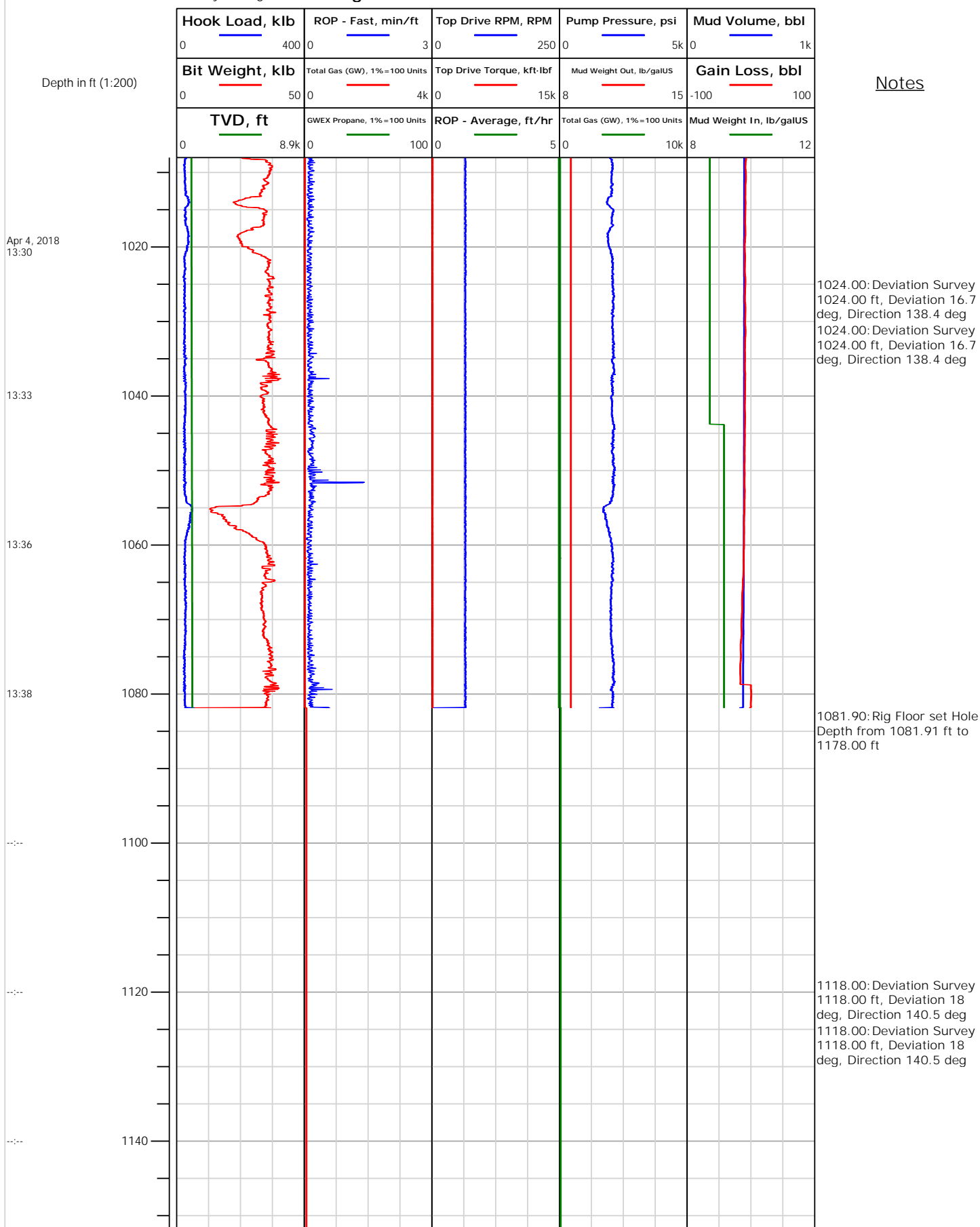
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





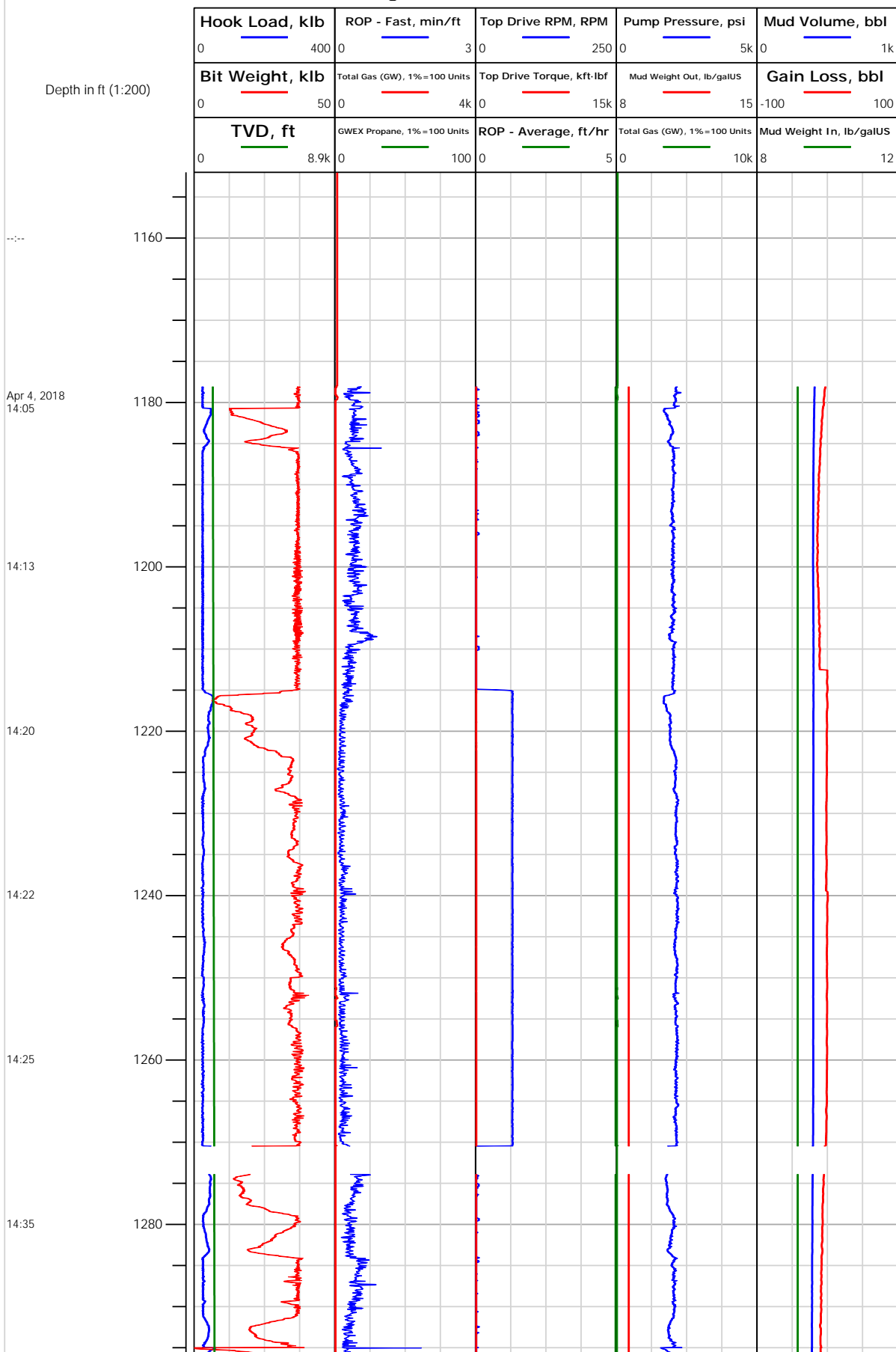
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





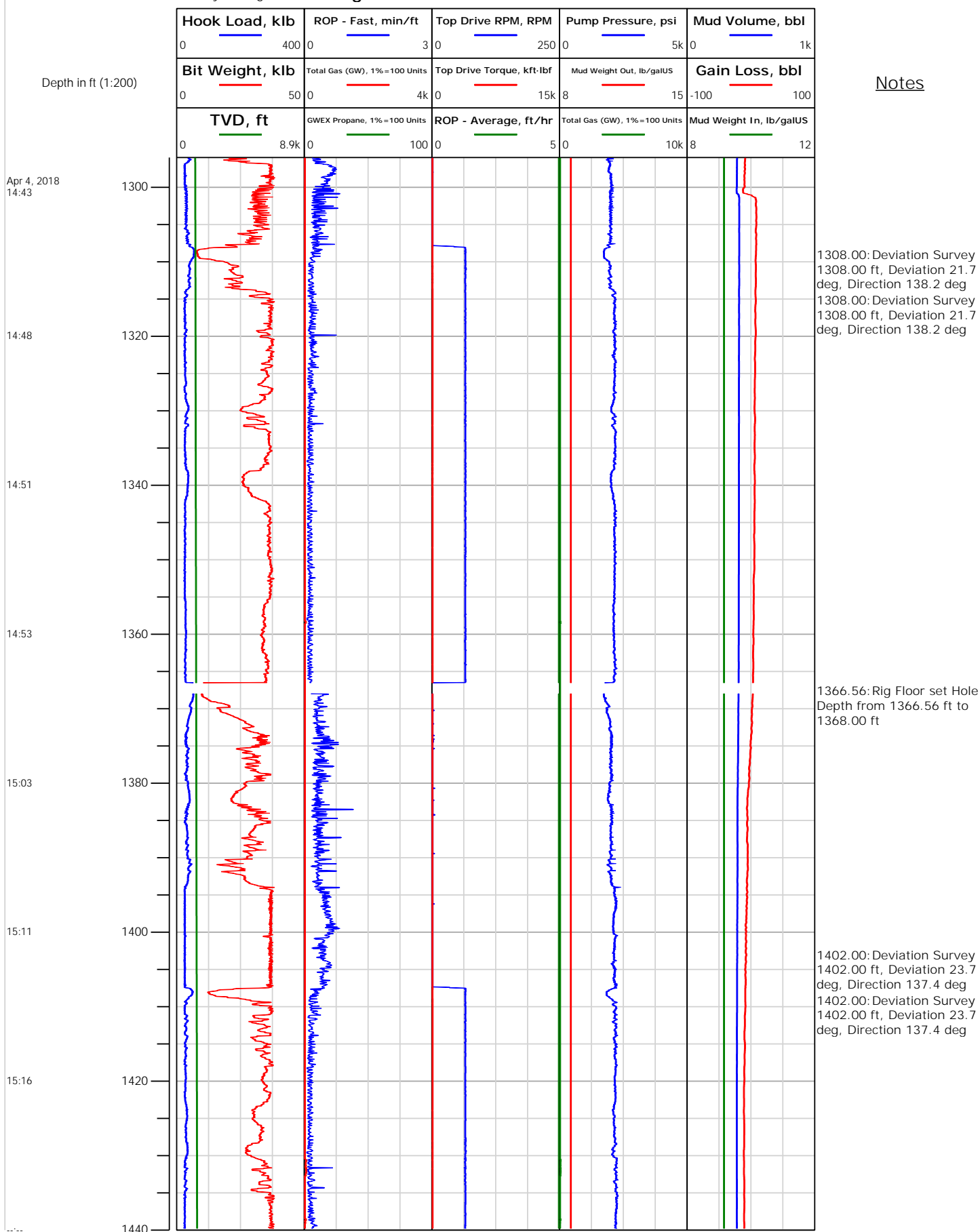
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





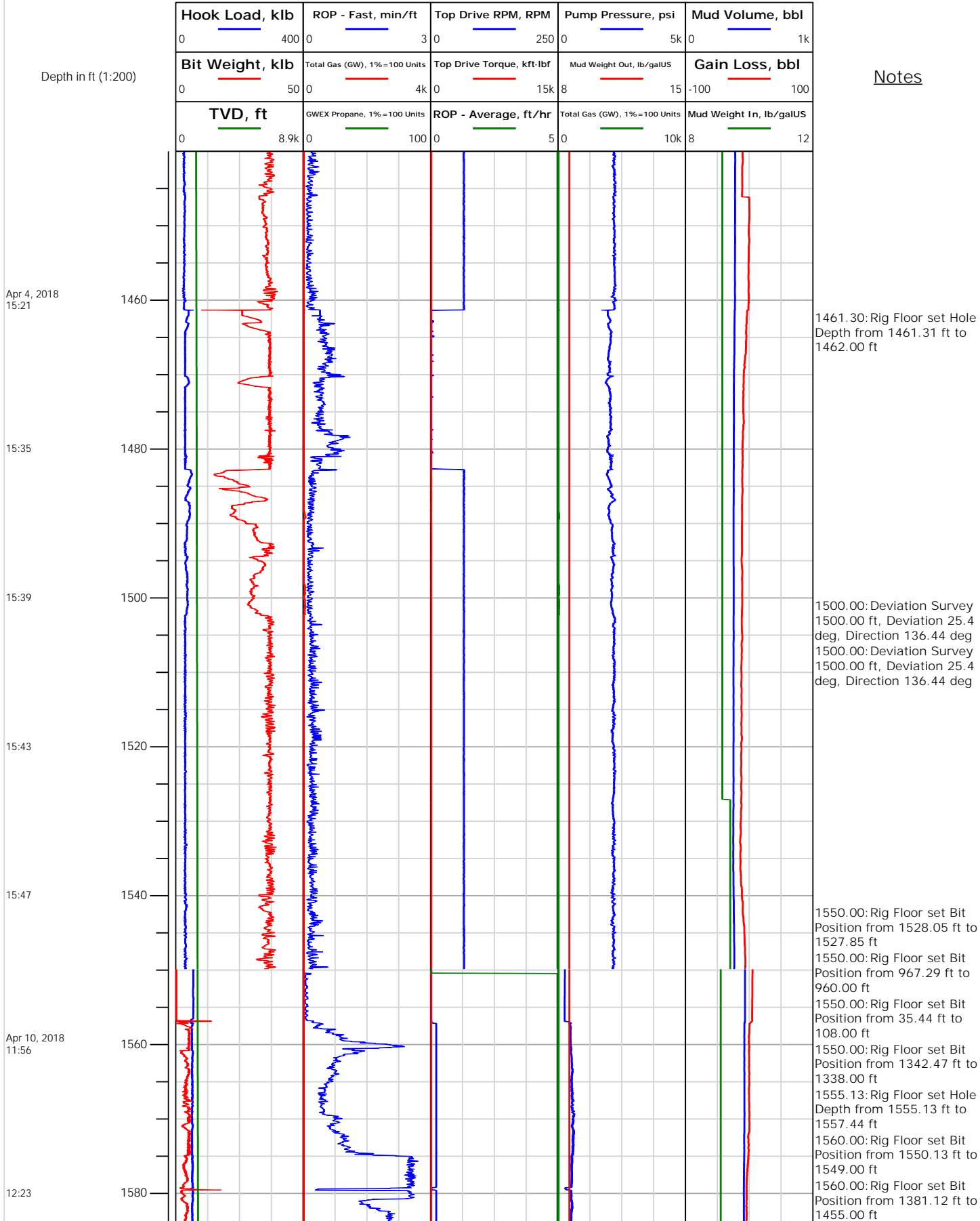
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes



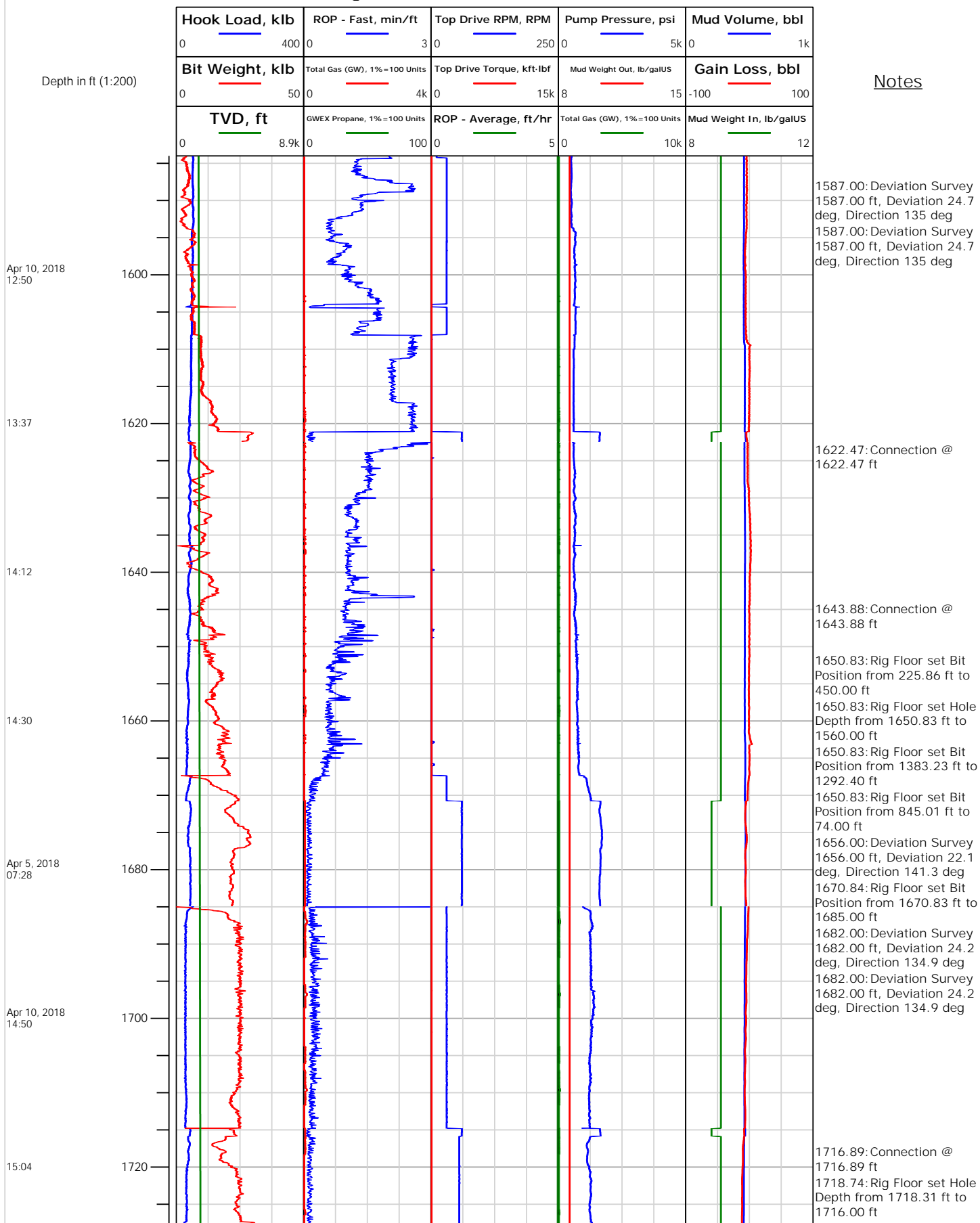


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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:





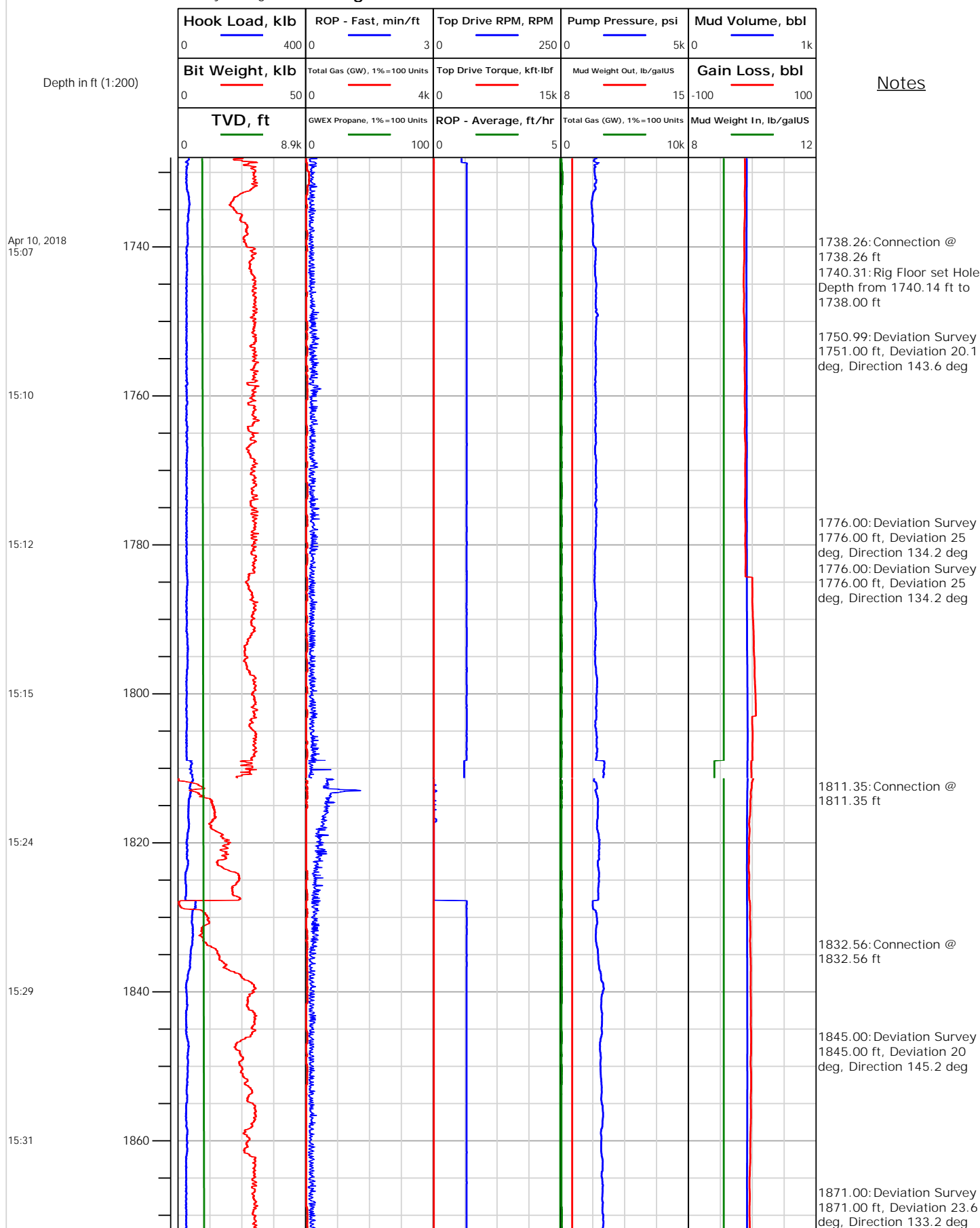
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





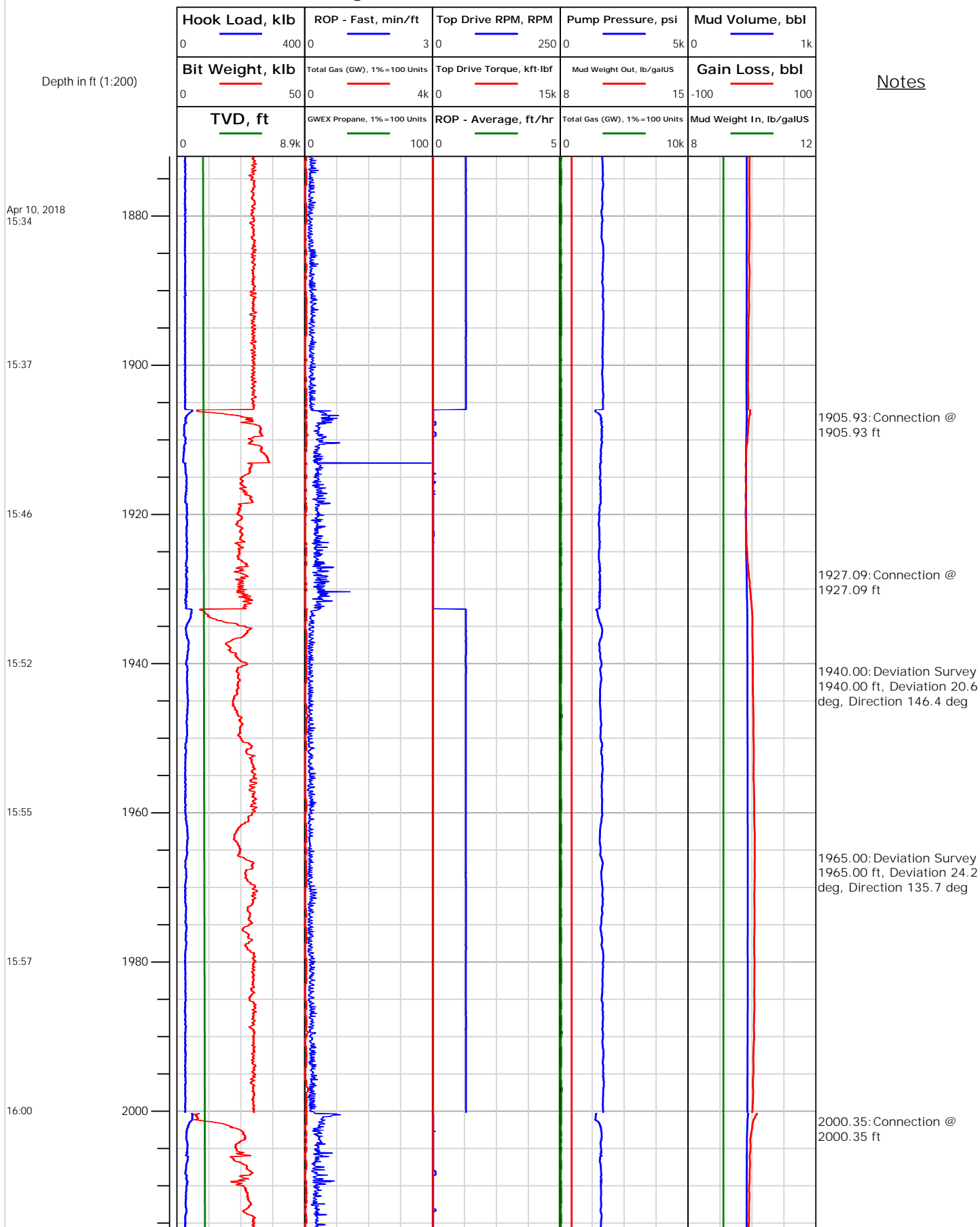
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes



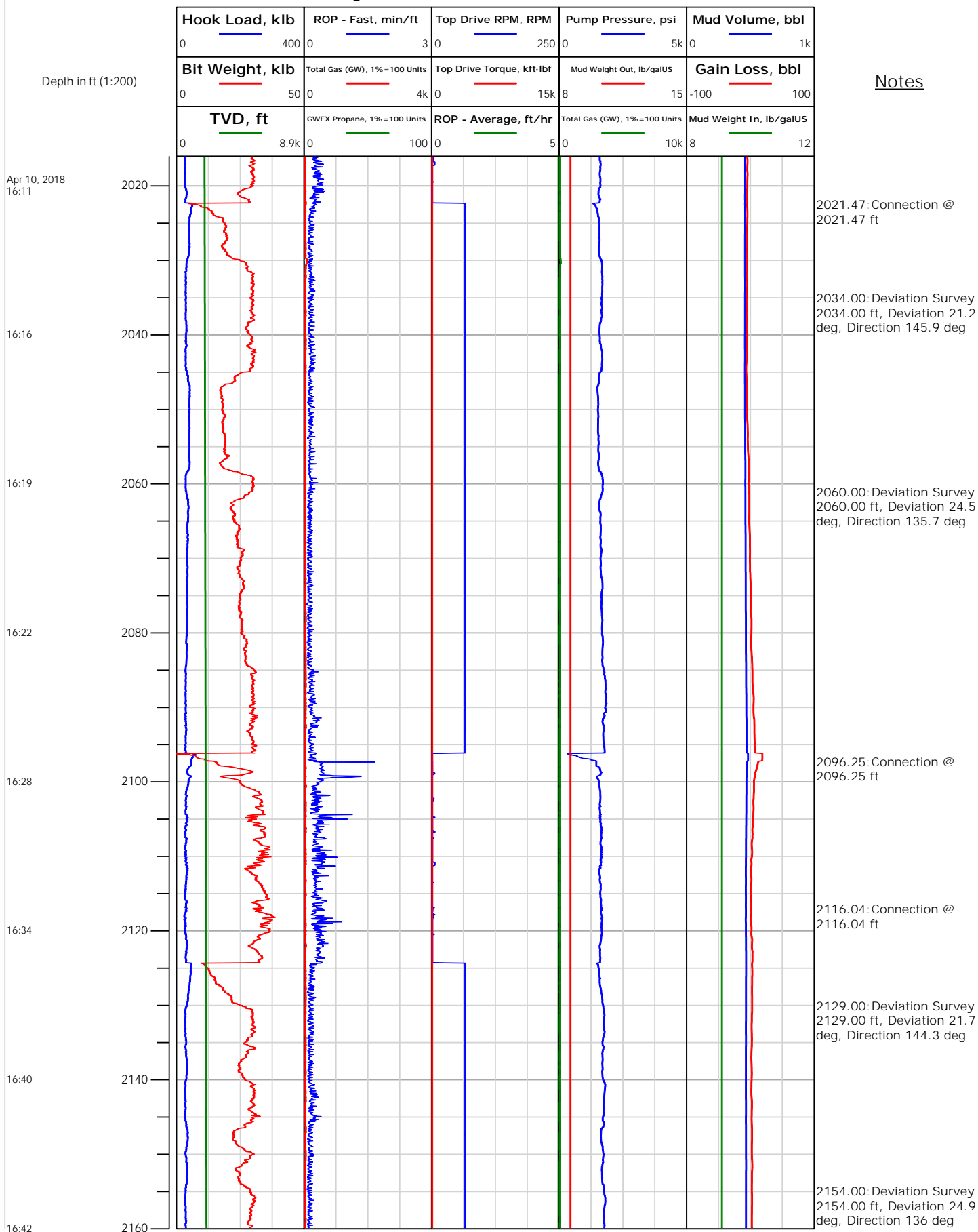


Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:





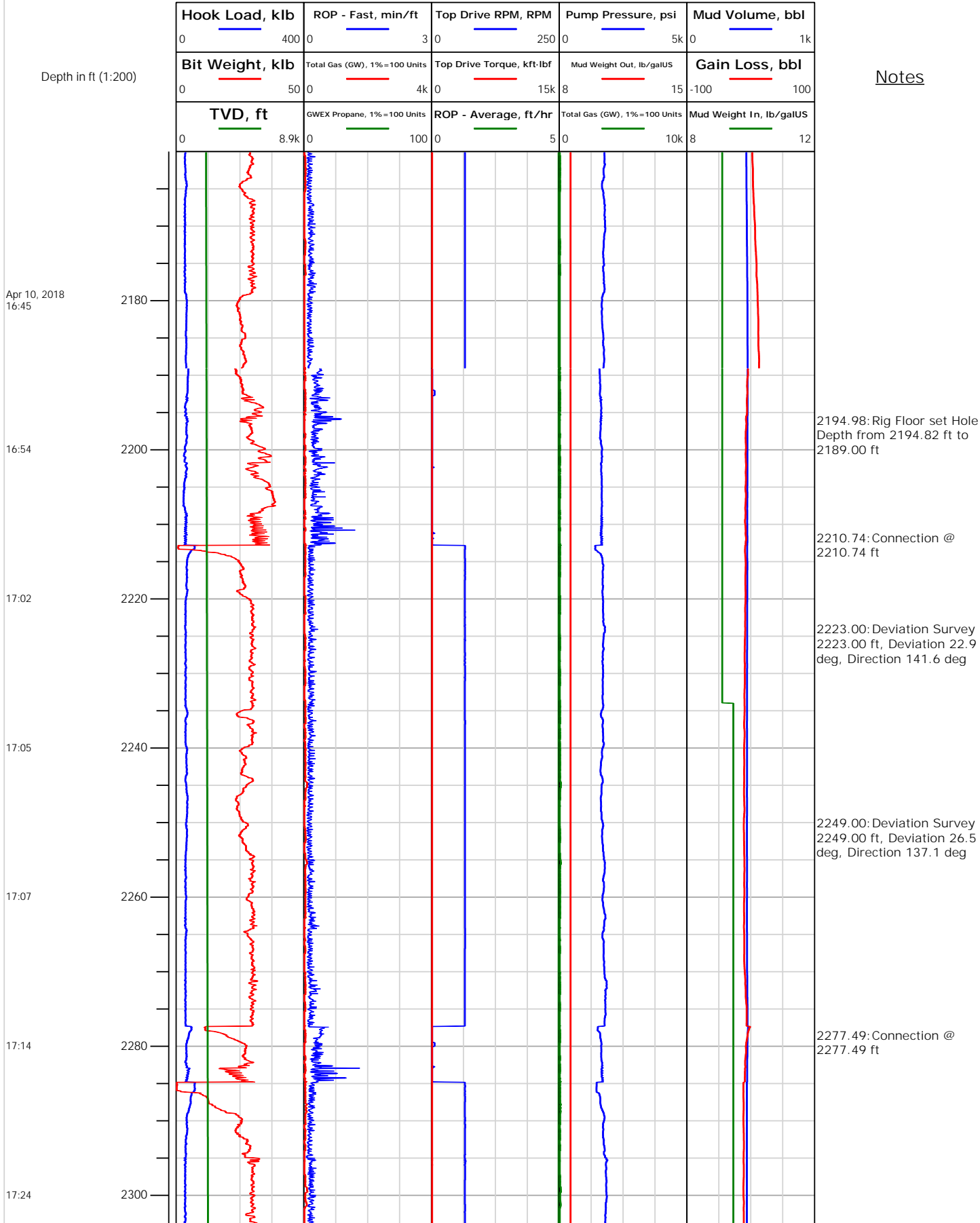
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





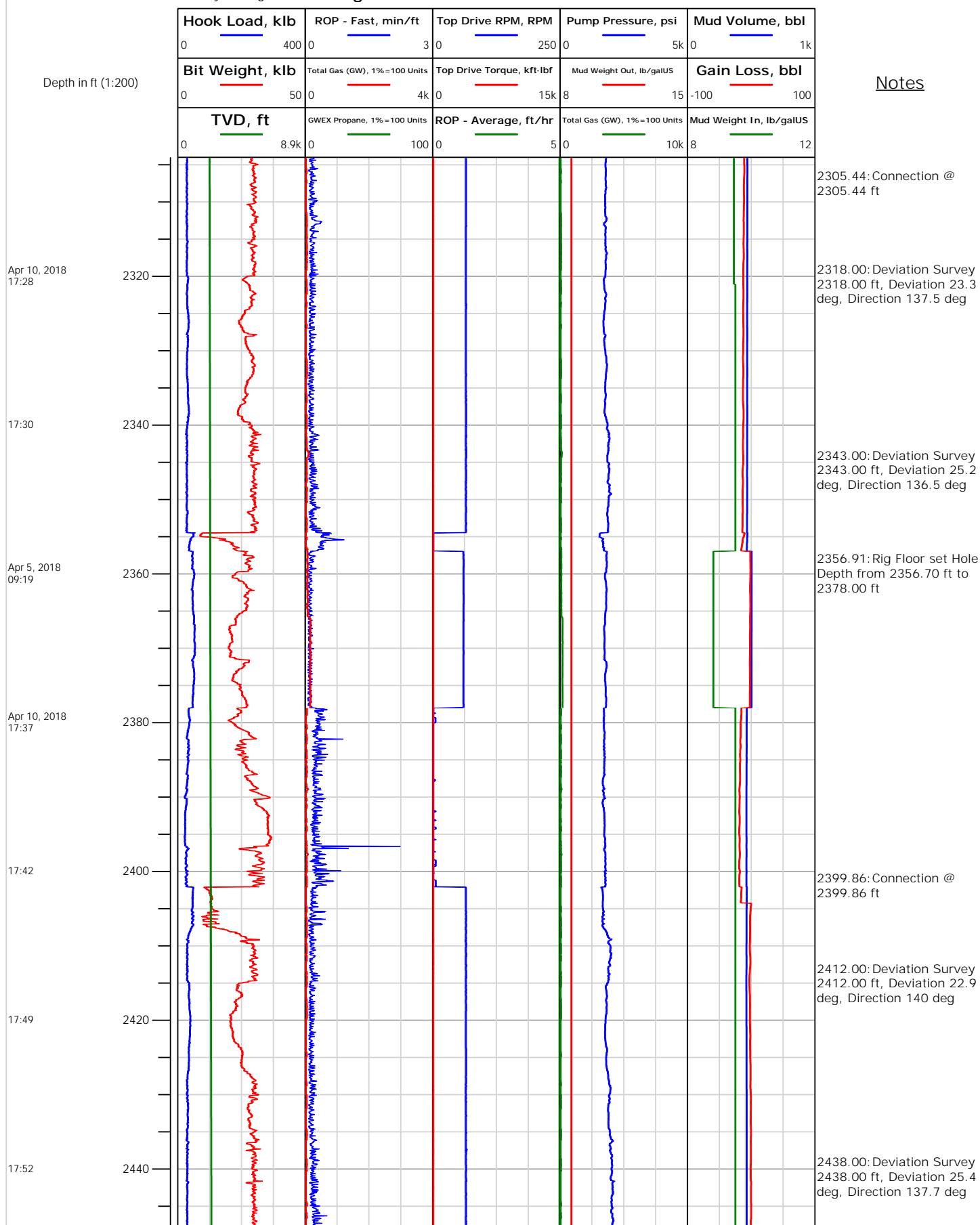
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





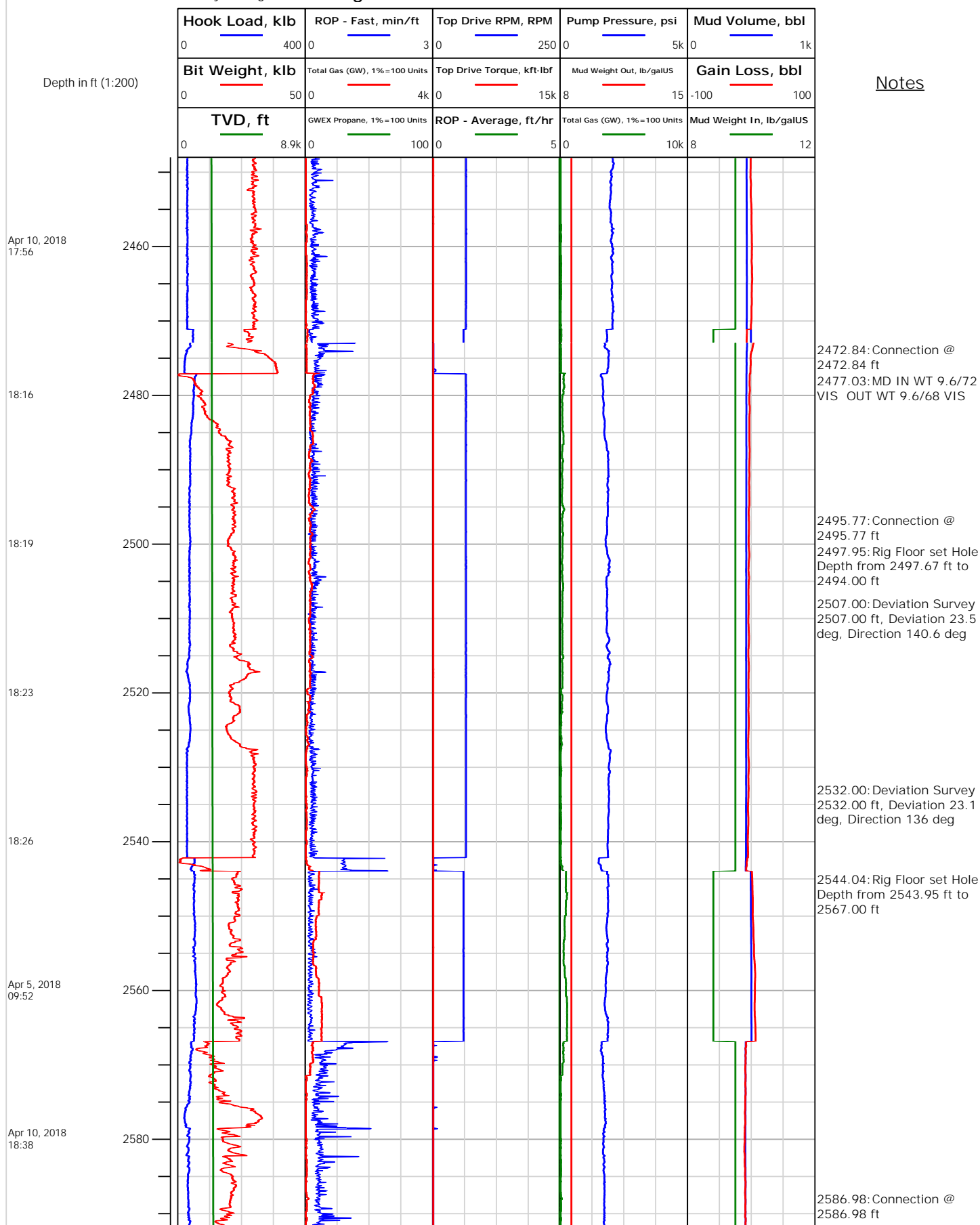
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





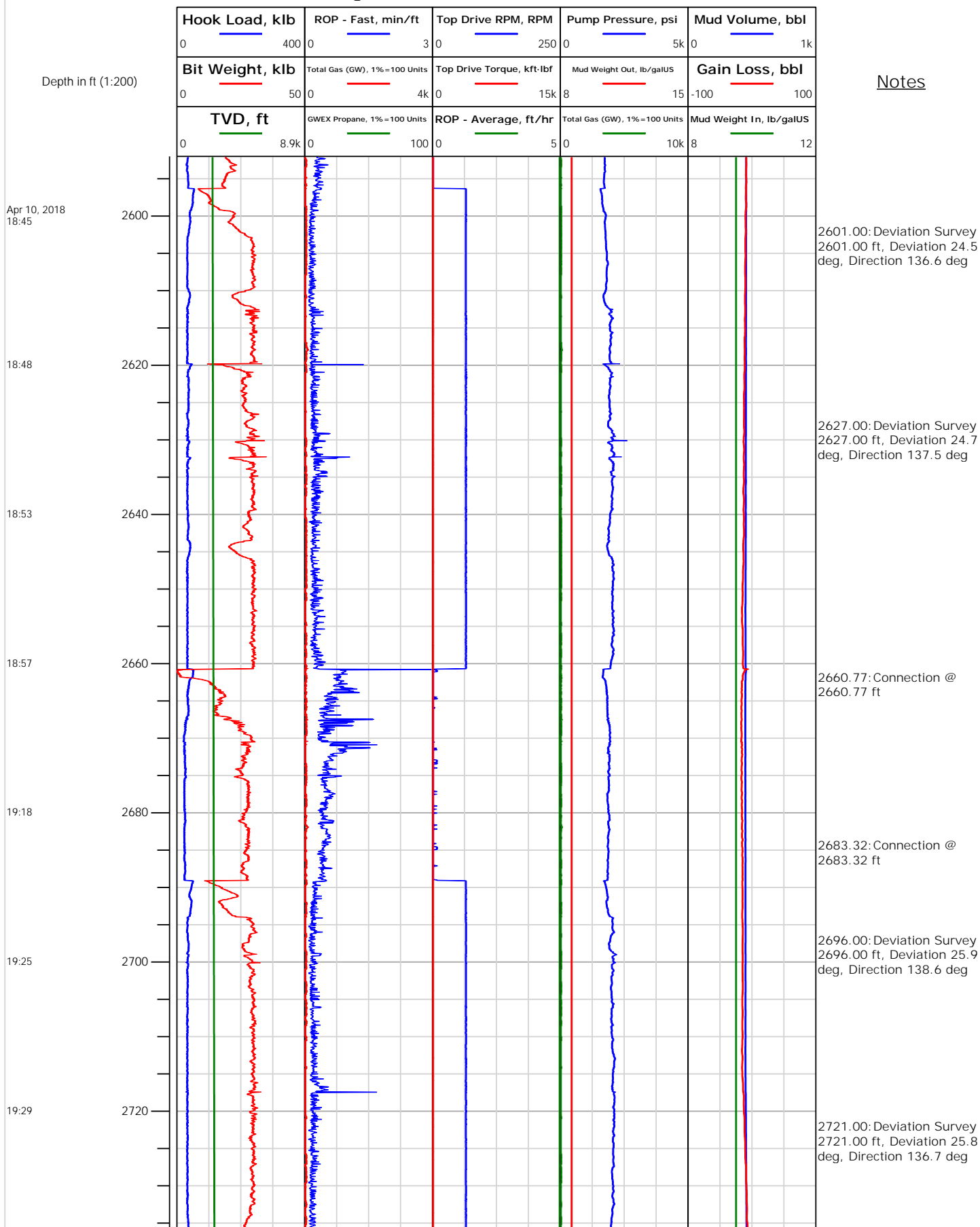
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





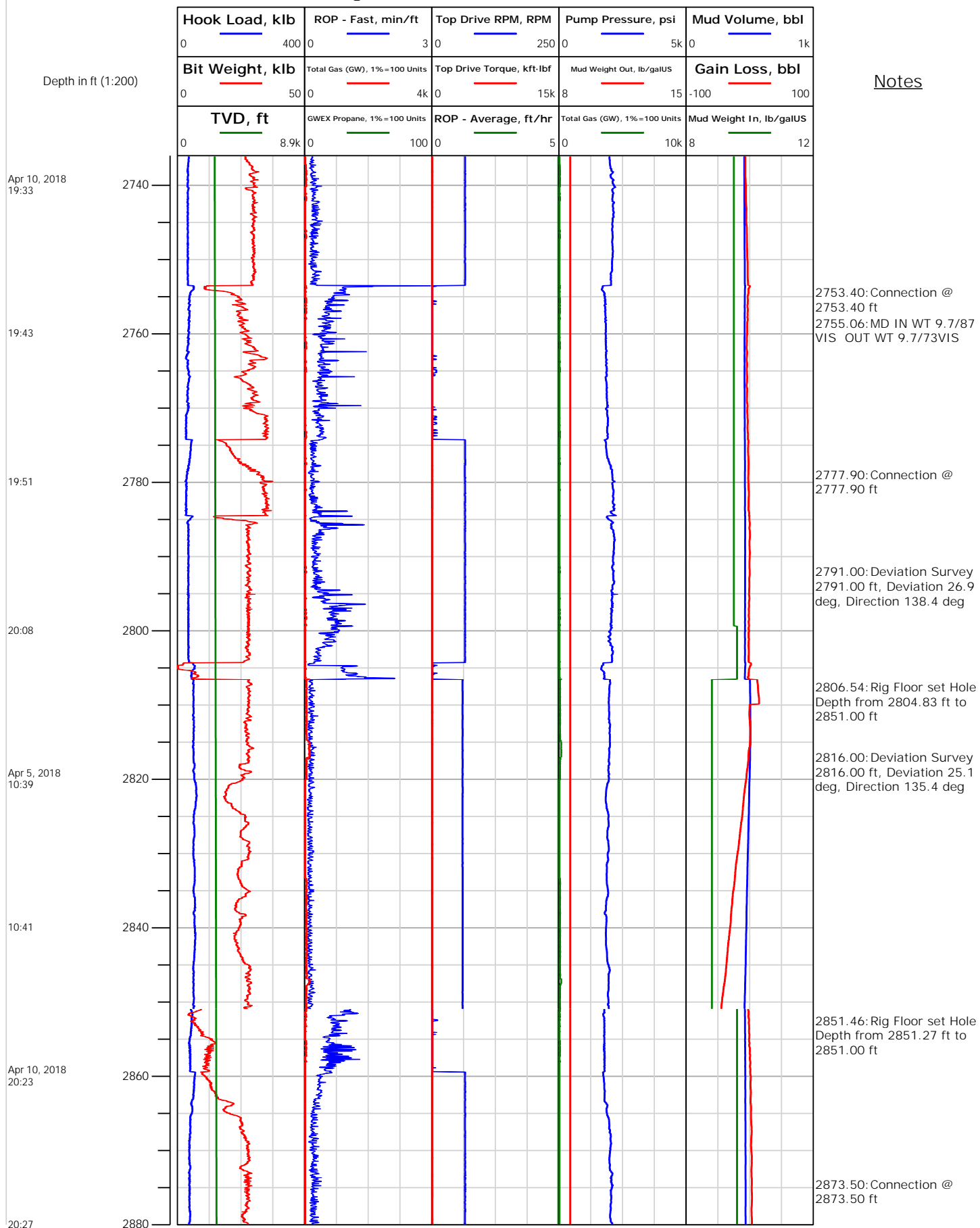
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





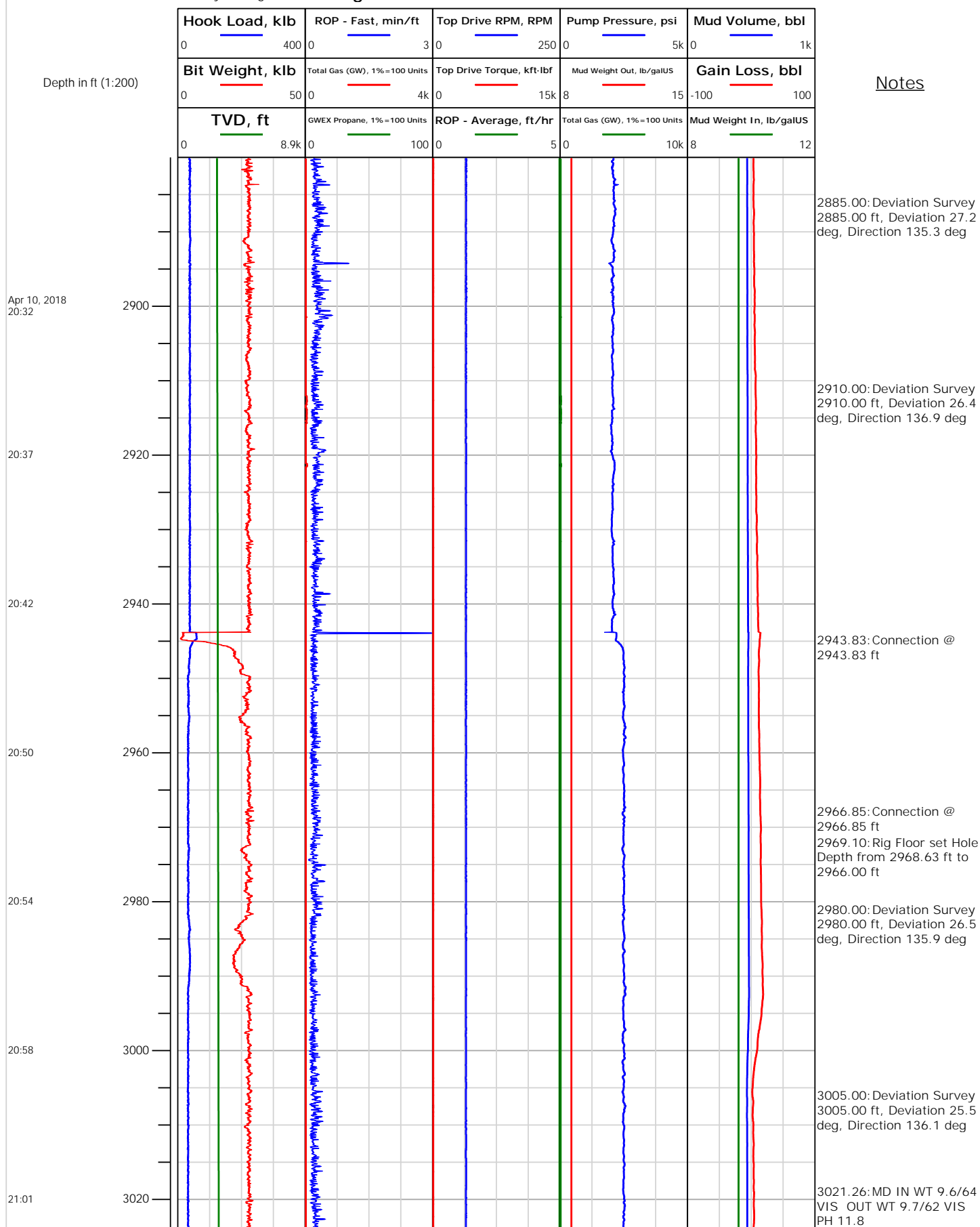
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





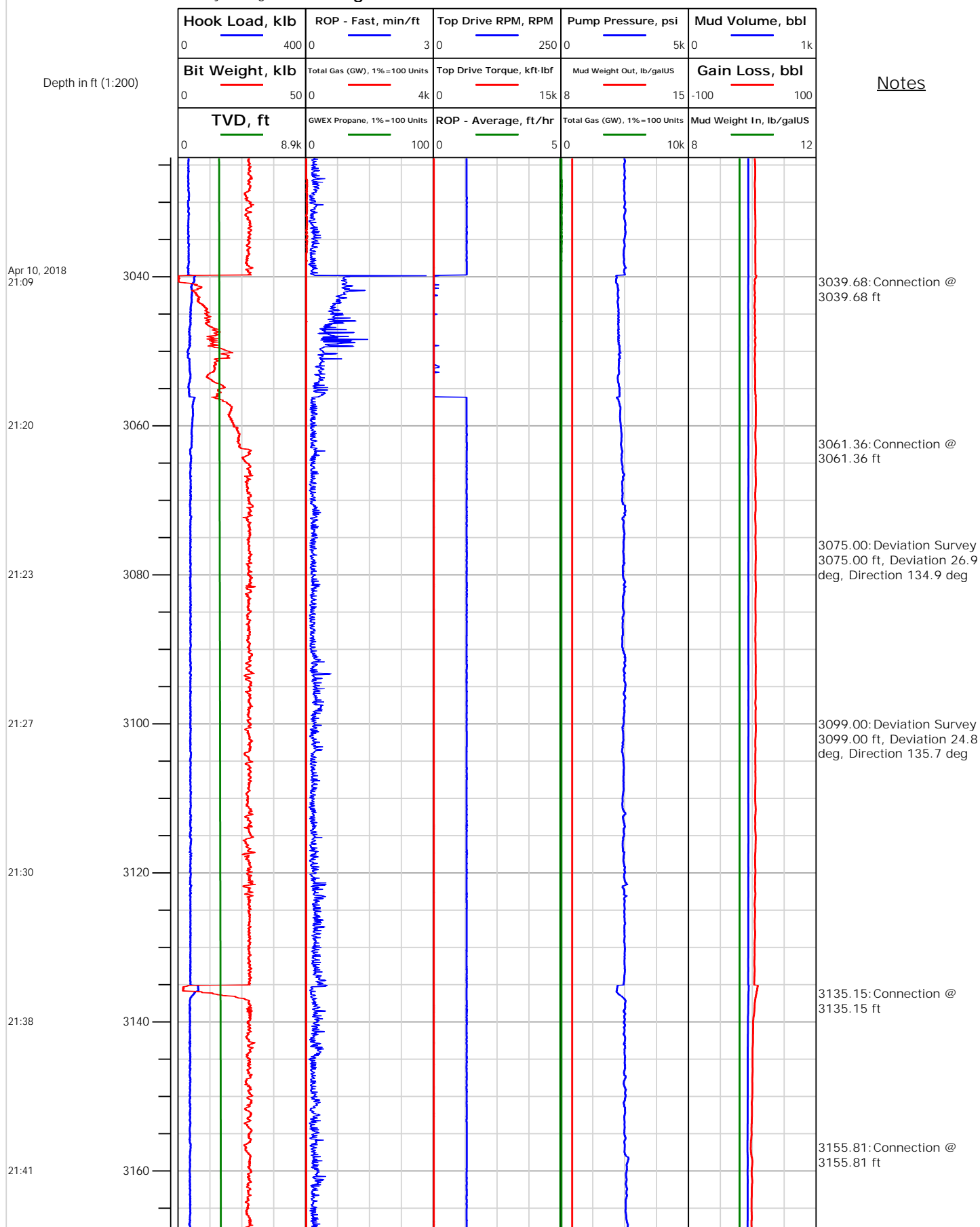
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





Electronic Drilling Recorder

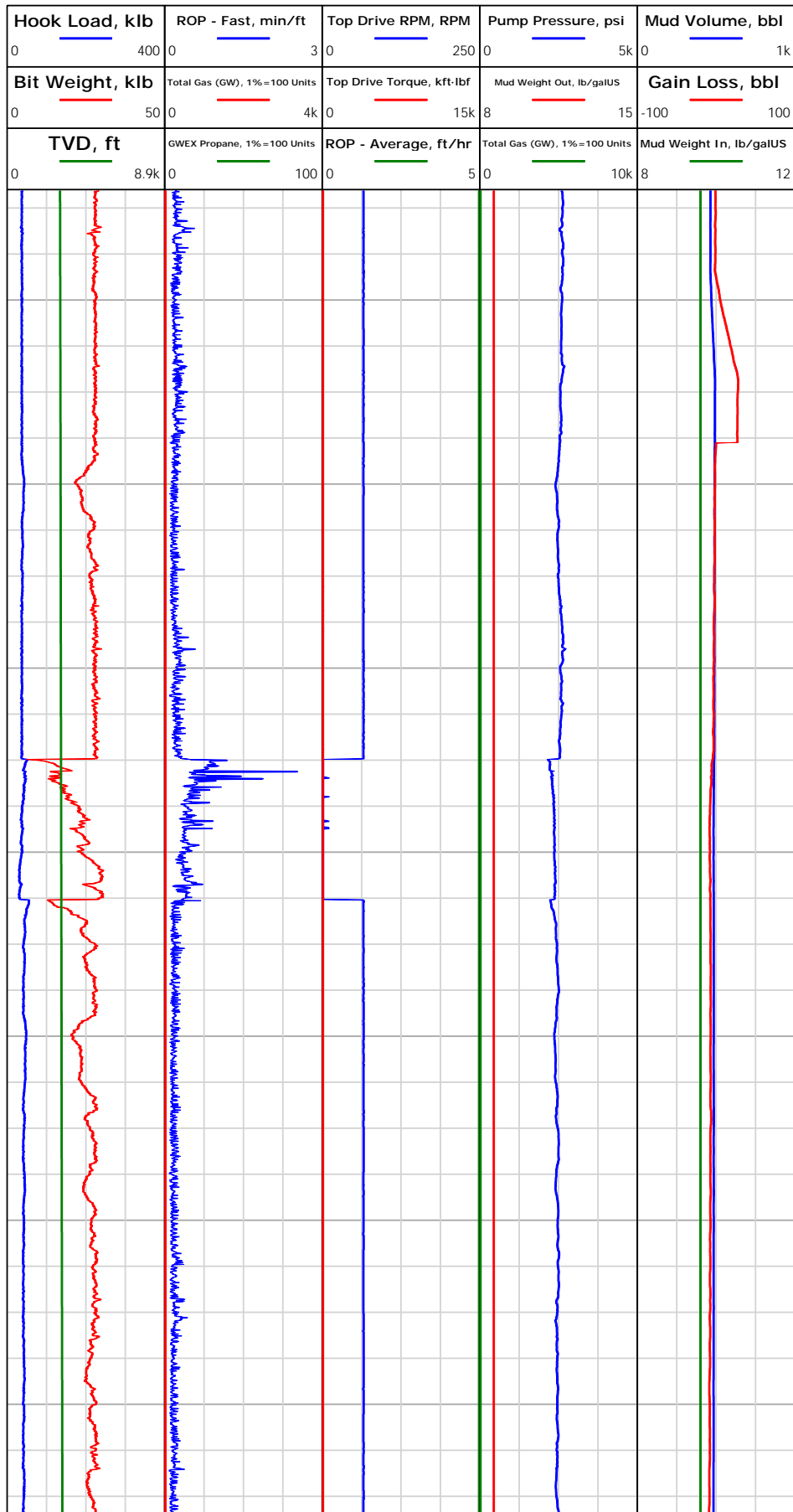
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes

Depth in ft (1:200)



Apr 10, 2018
21:46

21:50

21:53

22:05

22:11

22:14

22:17



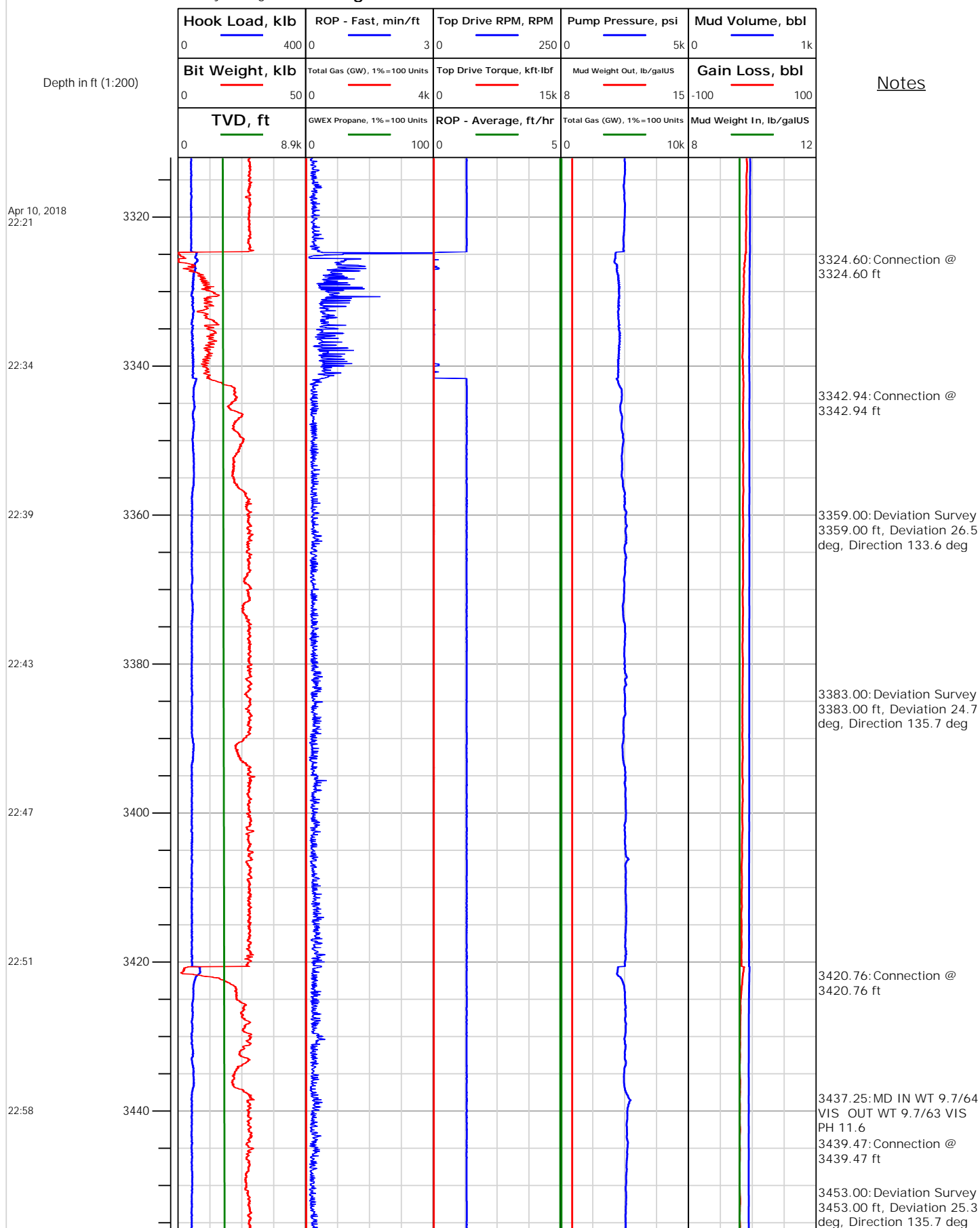
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





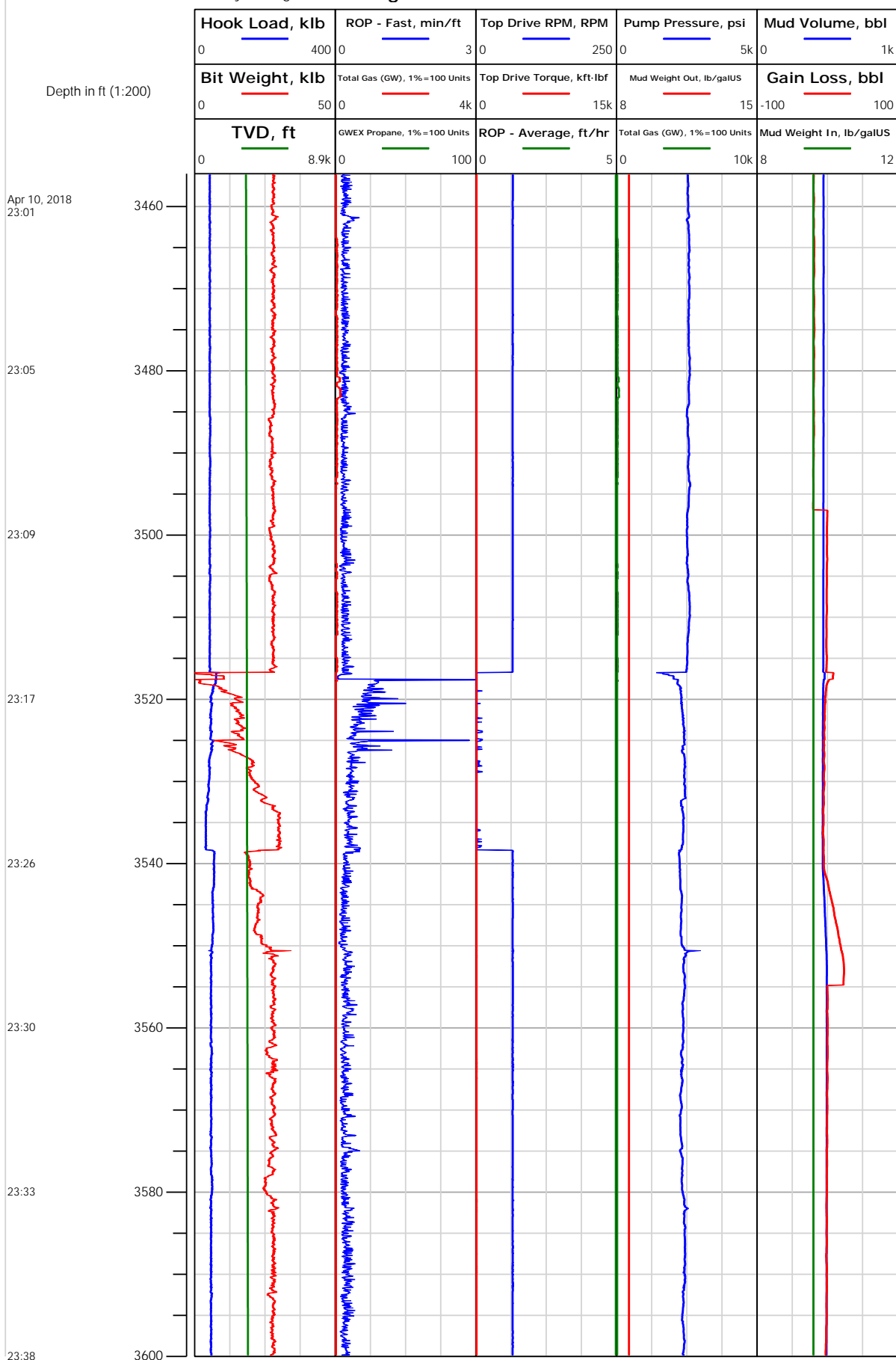
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes



3477.99: Deviation Survey
 3478.00 ft, Deviation 26.9 deg, Direction 137.7 deg

3534.04: Connection @
 3534.04 ft
 3536.17: Rig Floor set Hole
 Depth from 3535.71 ft to
 3534.00 ft

3548.00: Deviation Survey
 3548.00 ft, Deviation 26.8 deg, Direction 135.4 deg

3572.00: Deviation Survey
 3572.00 ft, Deviation 27.3 deg, Direction 136.3 deg



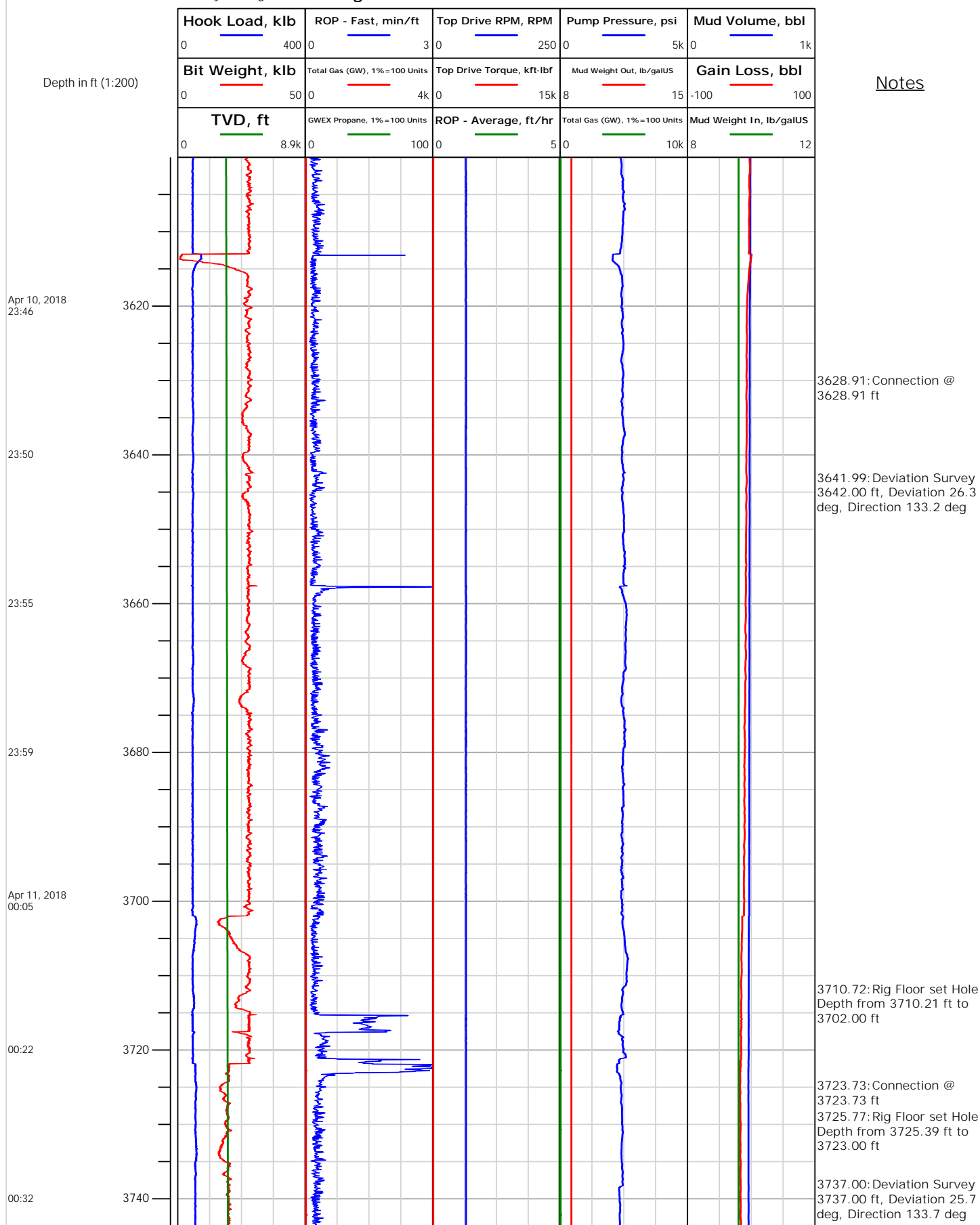
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





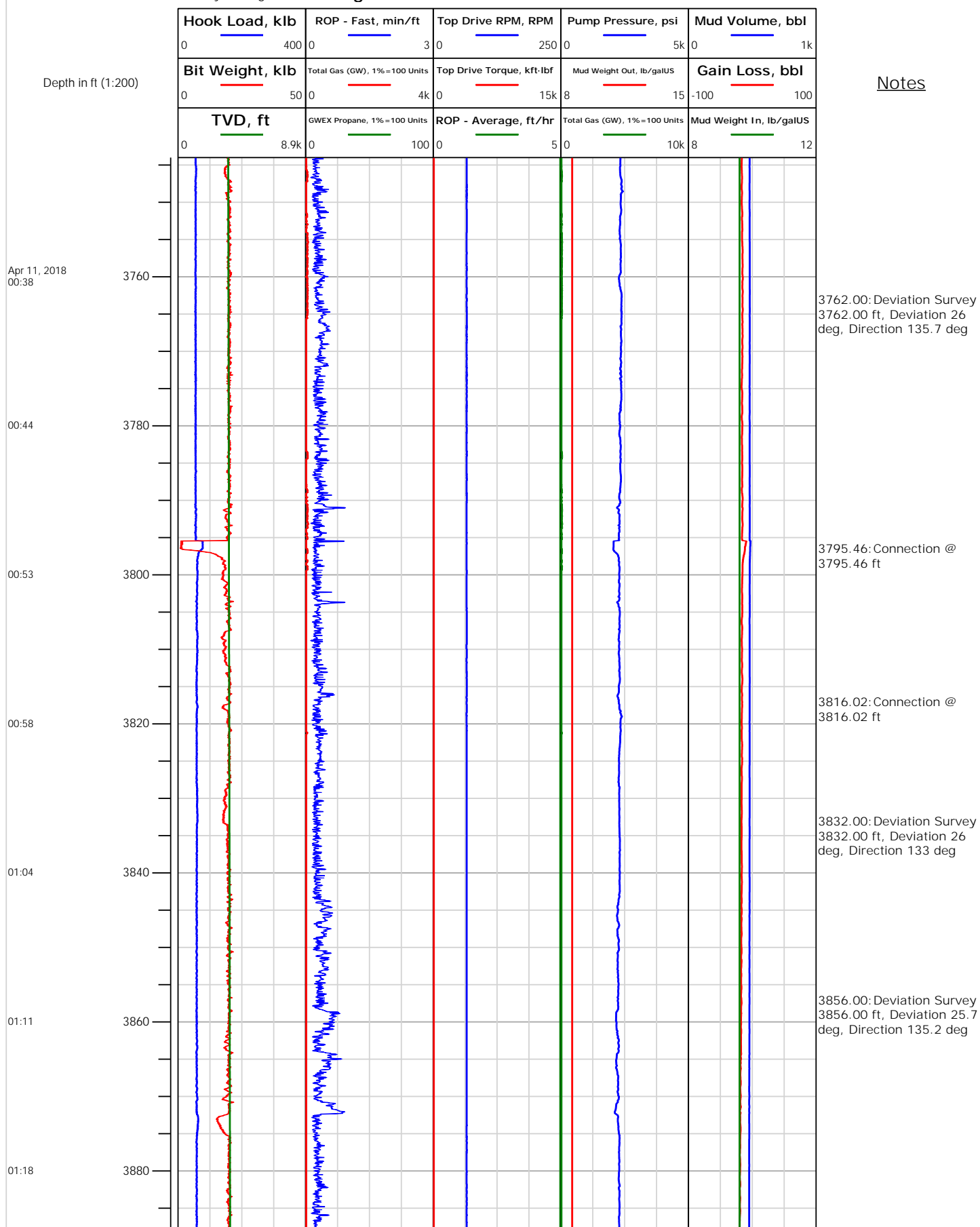
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





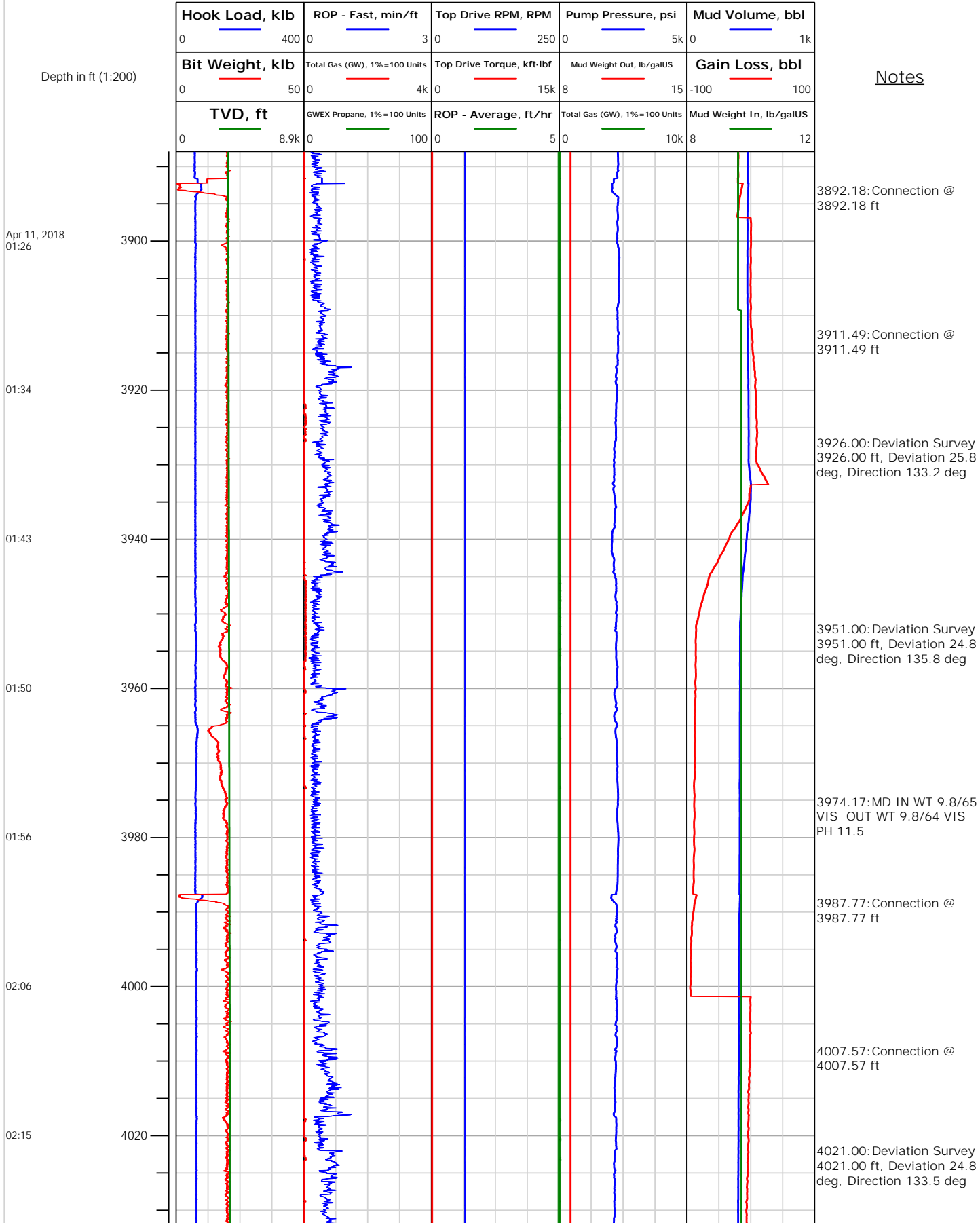
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





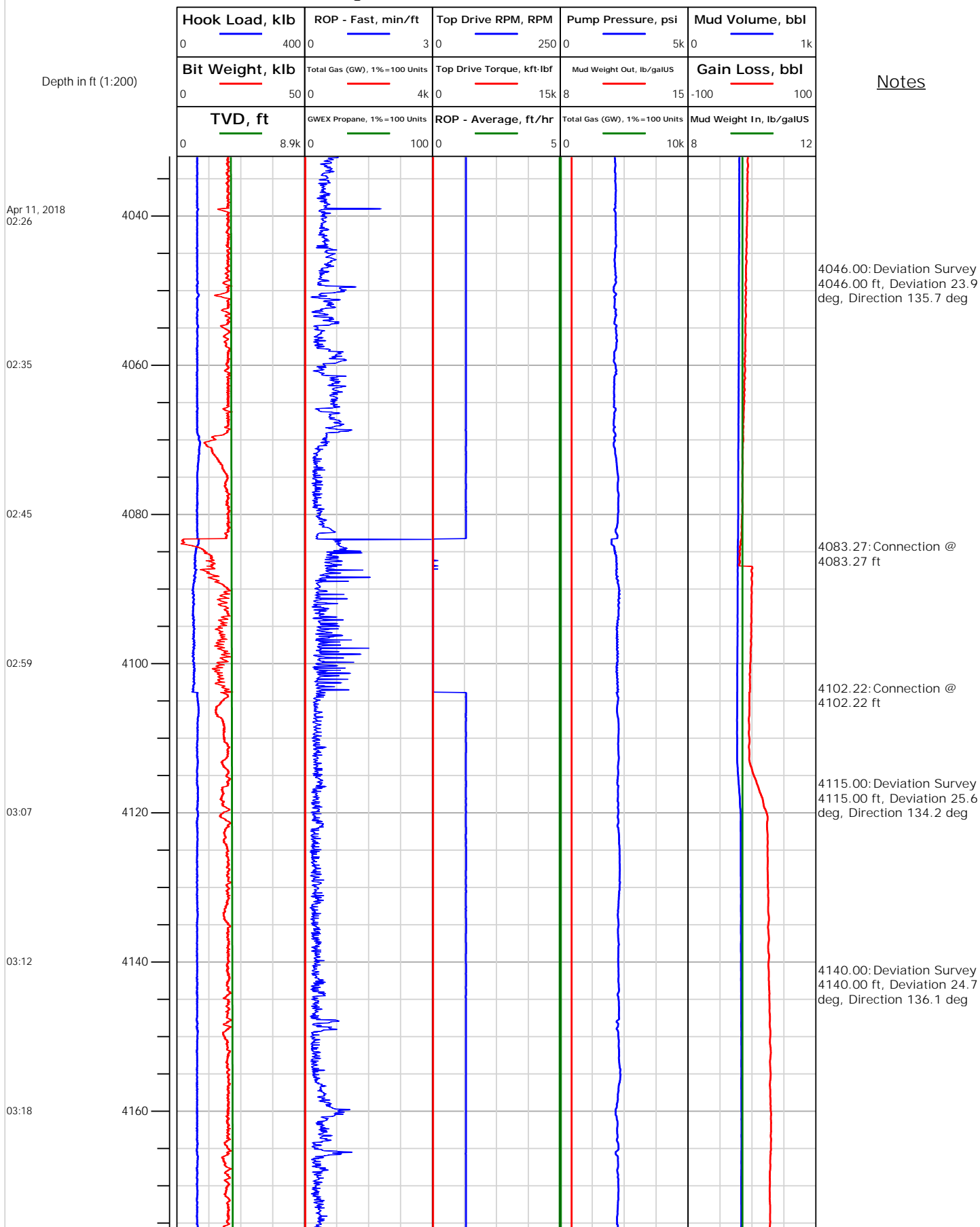
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





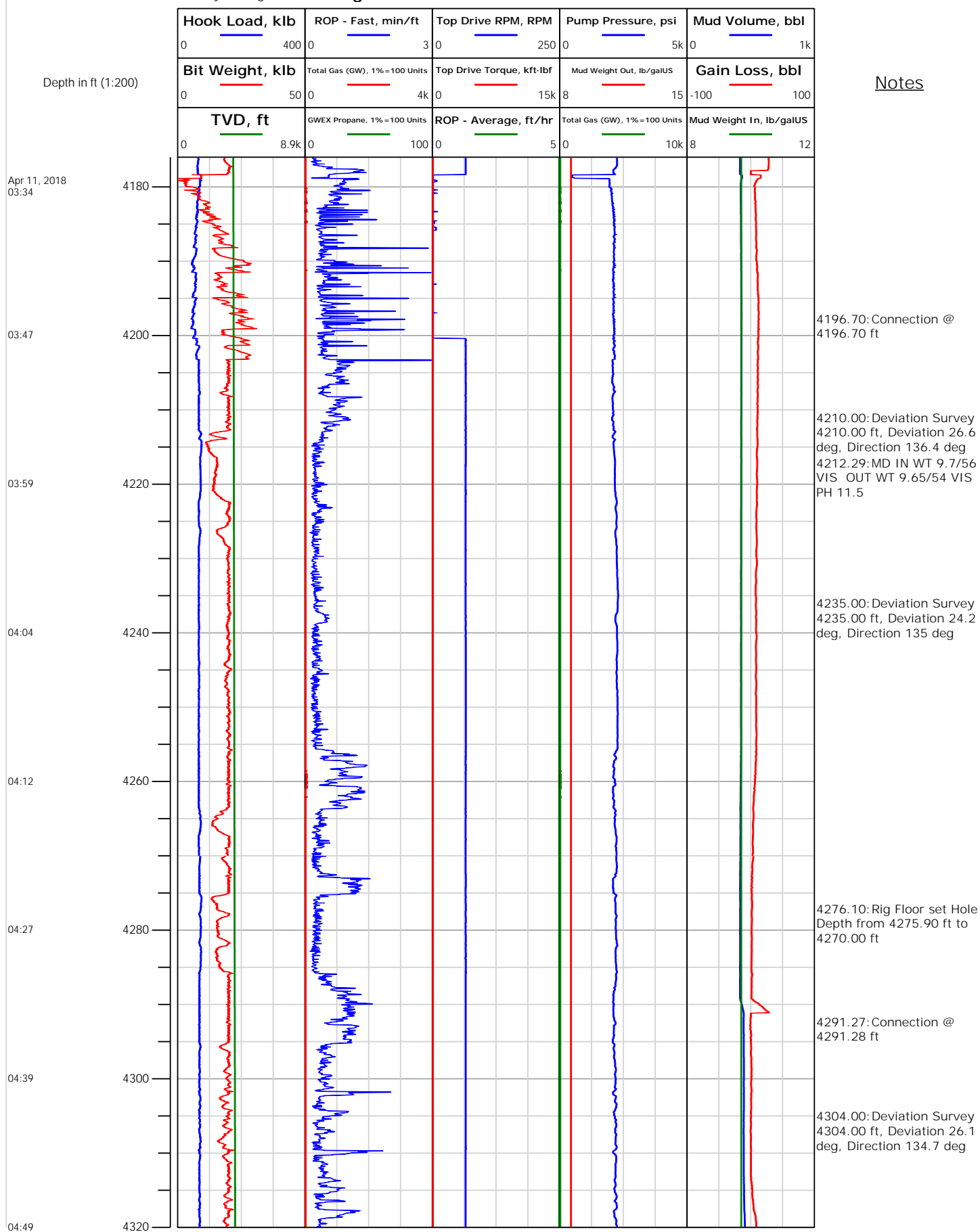
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





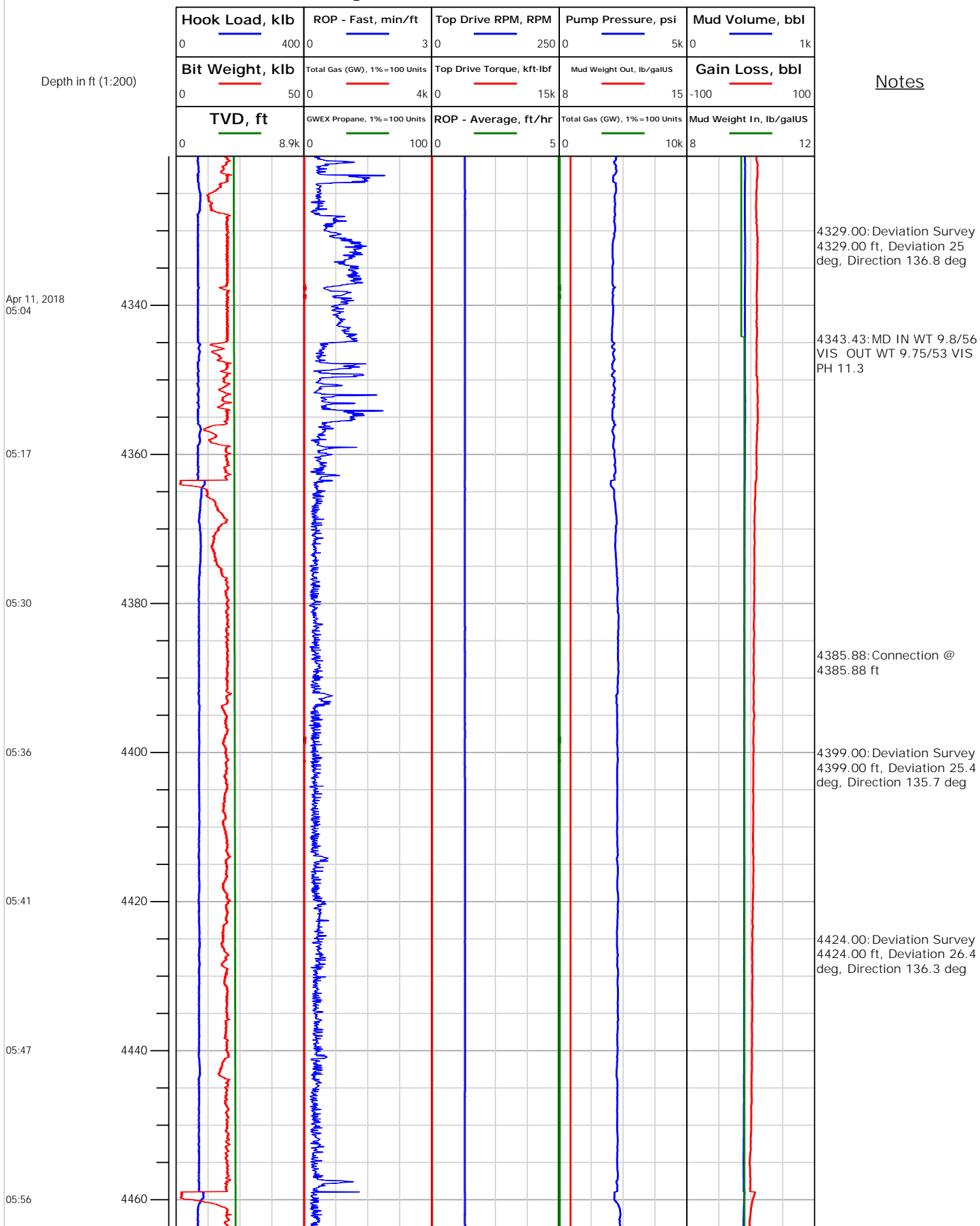
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





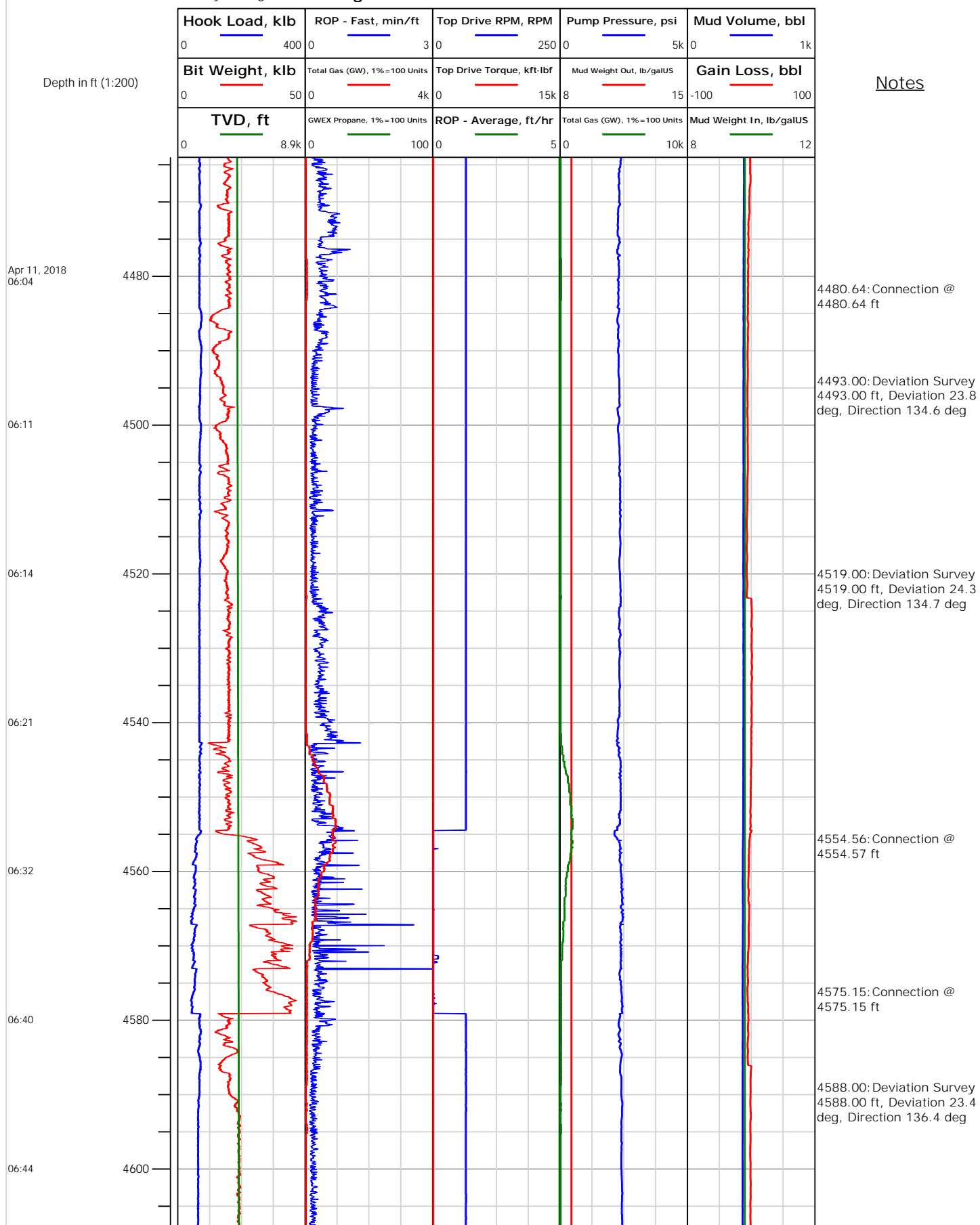
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes

Depth in ft (1:200)

Apr 11, 2018
06:47

06:52

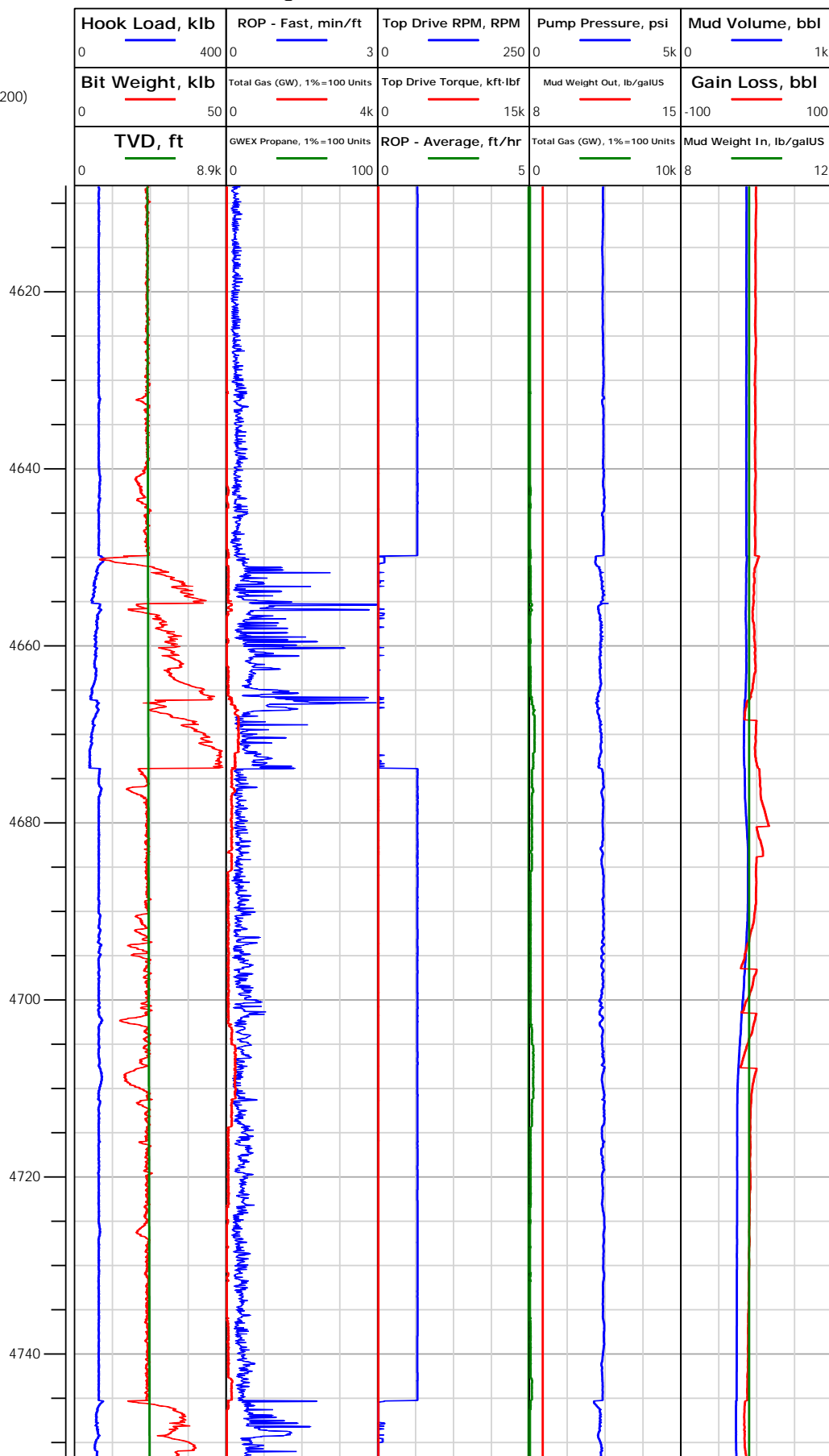
07:03

07:16

07:22

07:28

07:33



4613.00: Deviation Survey
4613.00 ft, Deviation 24.9 deg, Direction 136.1 deg
4649.79: Connection @ 4649.79 ft
4667.00: Rig Floor set Bit Position from 1154.25 ft to 1248.00 ft
4667.00: Rig Floor set Bit Position from 965.16 ft to 1059.00 ft
4667.00: Rig Floor set Bit Position from 1916.40 ft to 2004.00 ft
4667.00: Rig Floor set Bit Position from 1652.35 ft to 1437.00 ft
4667.00: Rig Floor set Bit Position from 2004.00 ft to 1910.00 ft
4667.00: Rig Floor set Bit Position from 758.80 ft to 965.00 ft
4667.00: Rig Floor set Hole Depth from 4667.00 ft to 1550.00 ft
4667.00: Rig Floor set Bit Position from 518.64 ft to 0.00 ft
4667.00: Rig Floor set Bit Position from 0.00 ft to 0.00 ft
4667.00: Rig Floor set Bit Position from 2290.75 ft to 2288.44 ft
4667.00: Rig Floor set Bit Position from 1284.32 ft to 473.00 ft
4667.00: Rig Floor set Bit Position from 2288.52 ft to 2283.00 ft
4667.00: MD IN WT 10.15/75 VIS OUT WT 10.2/69 VIS
4667.00: Rig Floor set Bit Position from 3350.65 ft to 770.00 ft
4667.00: Rig Floor set Bit Position from 2298.27 ft to 2283.00 ft
4667.00: Rig Floor set Bit Position from 2005.48 ft to 1999.00 ft
4667.00: MD WT 10.35/65 VIS
4667.00: Rig Floor set Bit Position from 2310.78 ft to 2314.00 ft
4669.46: Connection @ 4669.46 ft
4670.54: MD IN WT 9.55/32 VIS OUT WT 9.4/35 VIS
4672.52: MD IN WT 9.5/33 VIS OUT WT 9.4/33 VIS
4682.00: Deviation Survey 4682.00 ft, Deviation 24.2 deg, Direction 137 deg



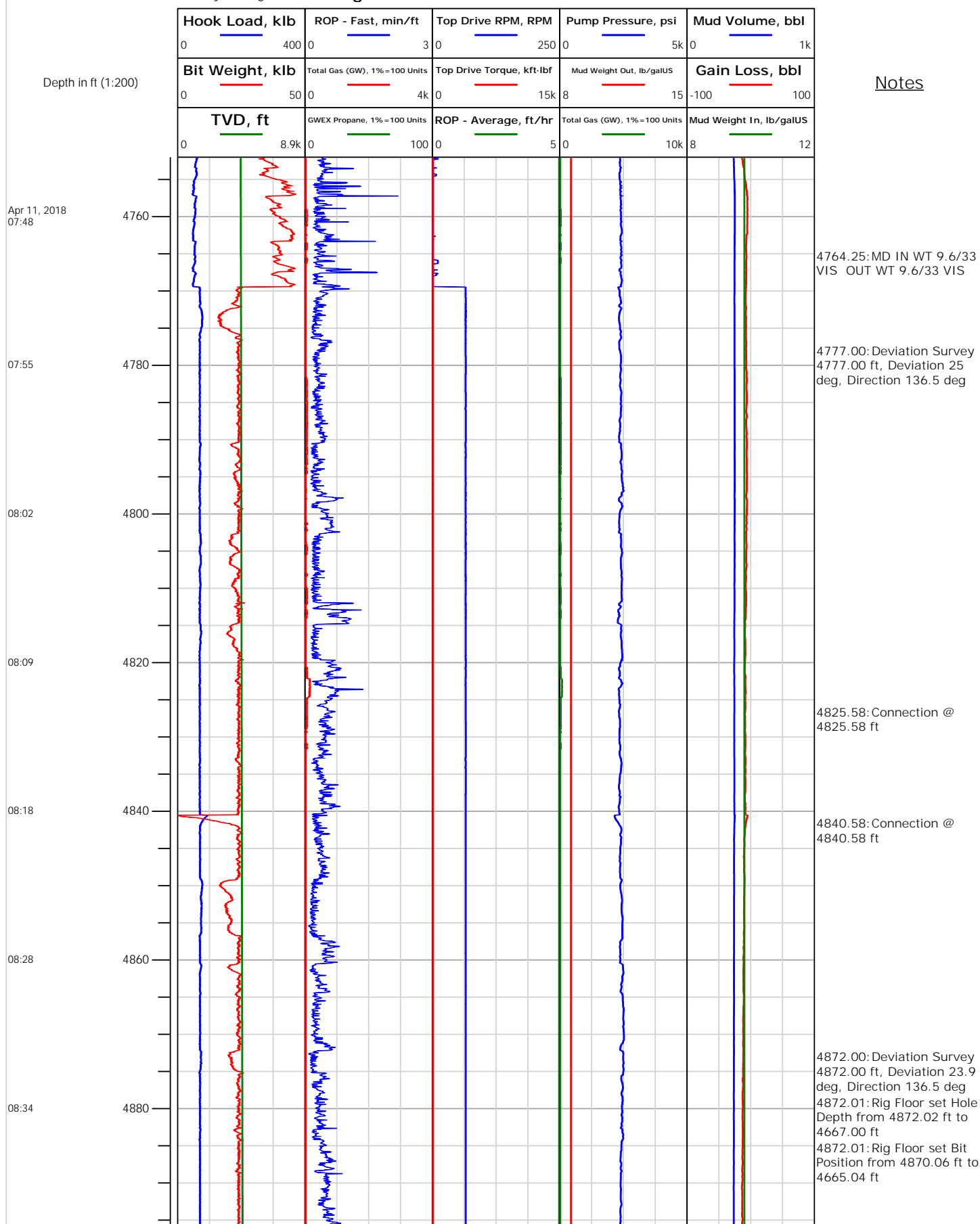
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Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





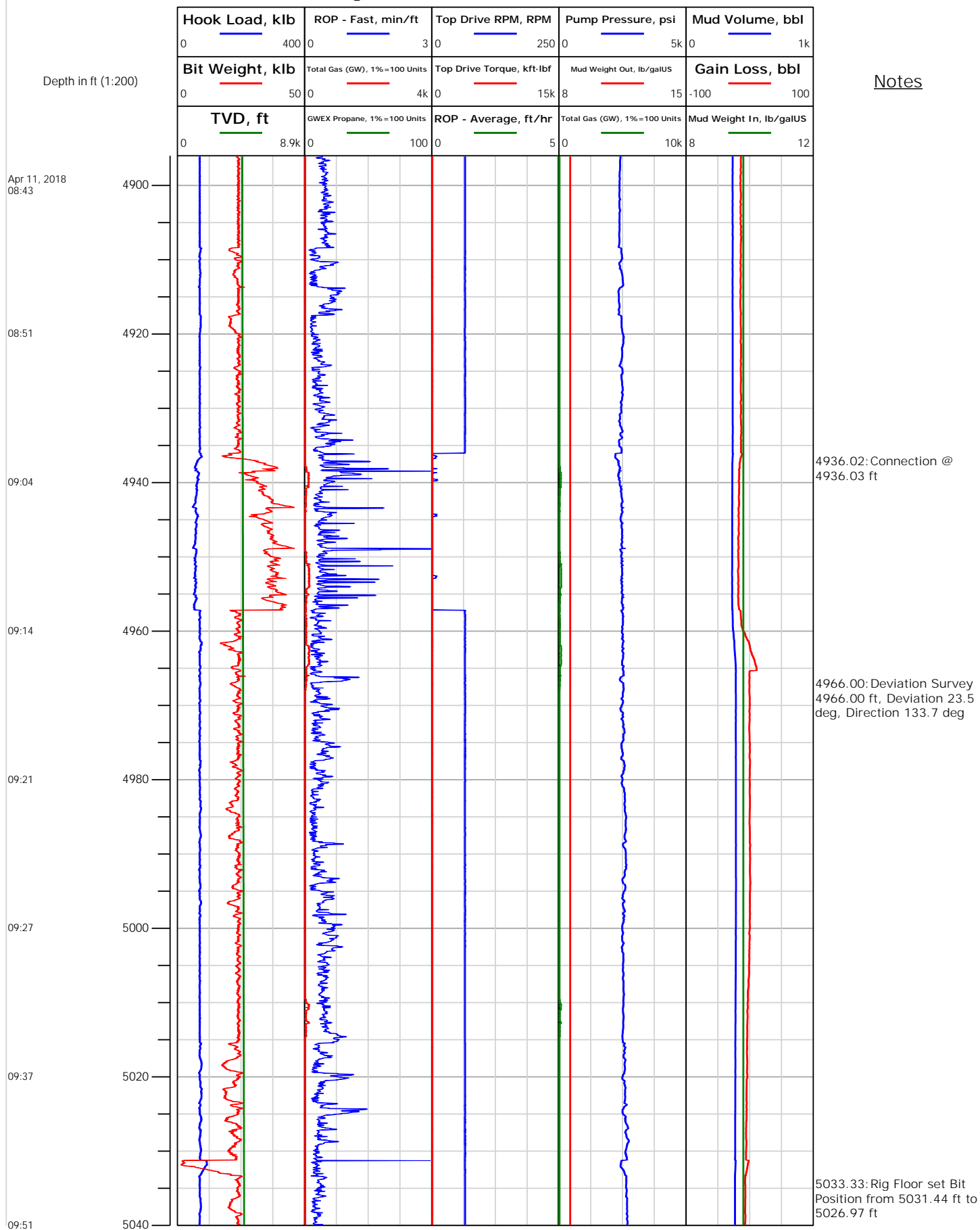
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





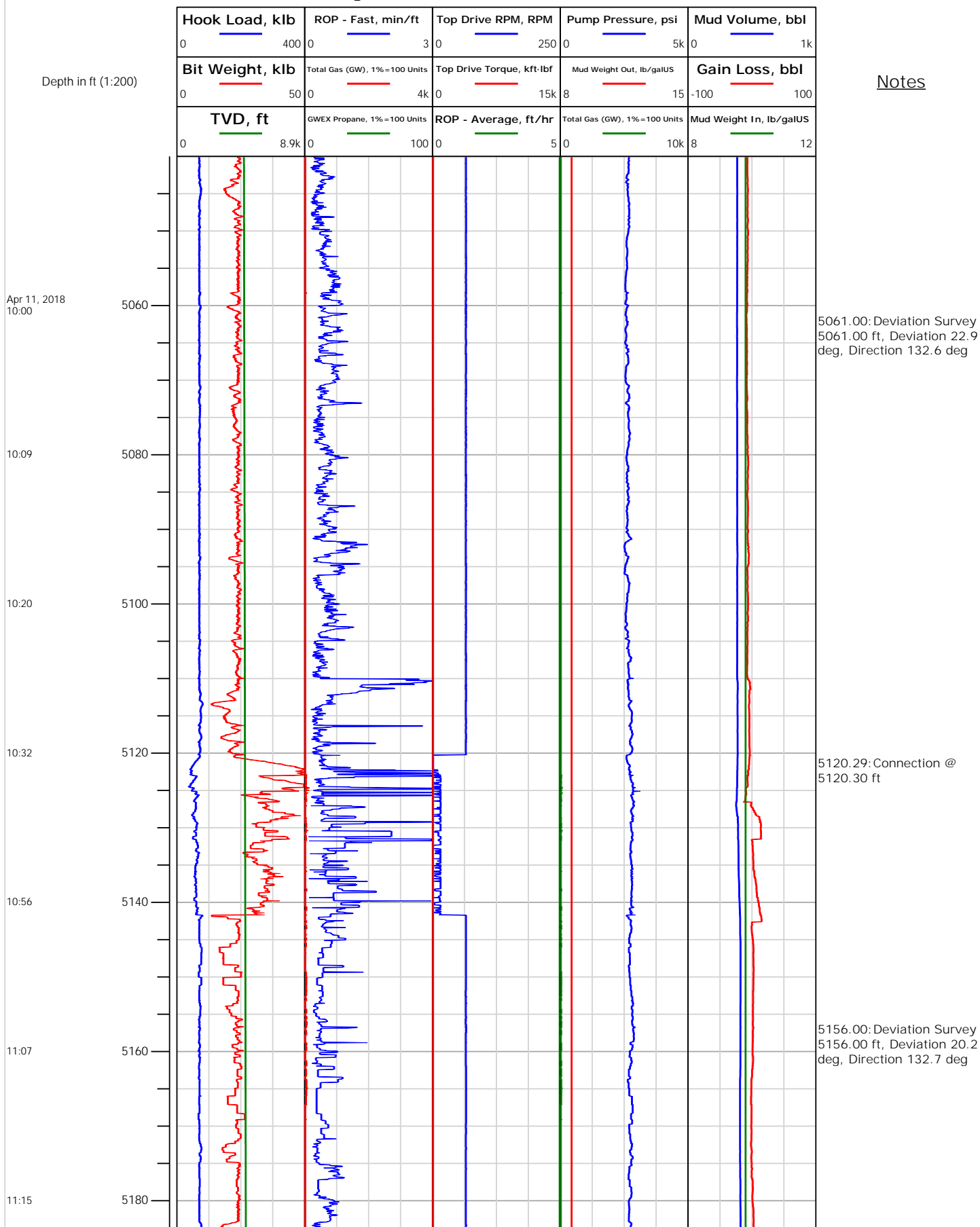
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





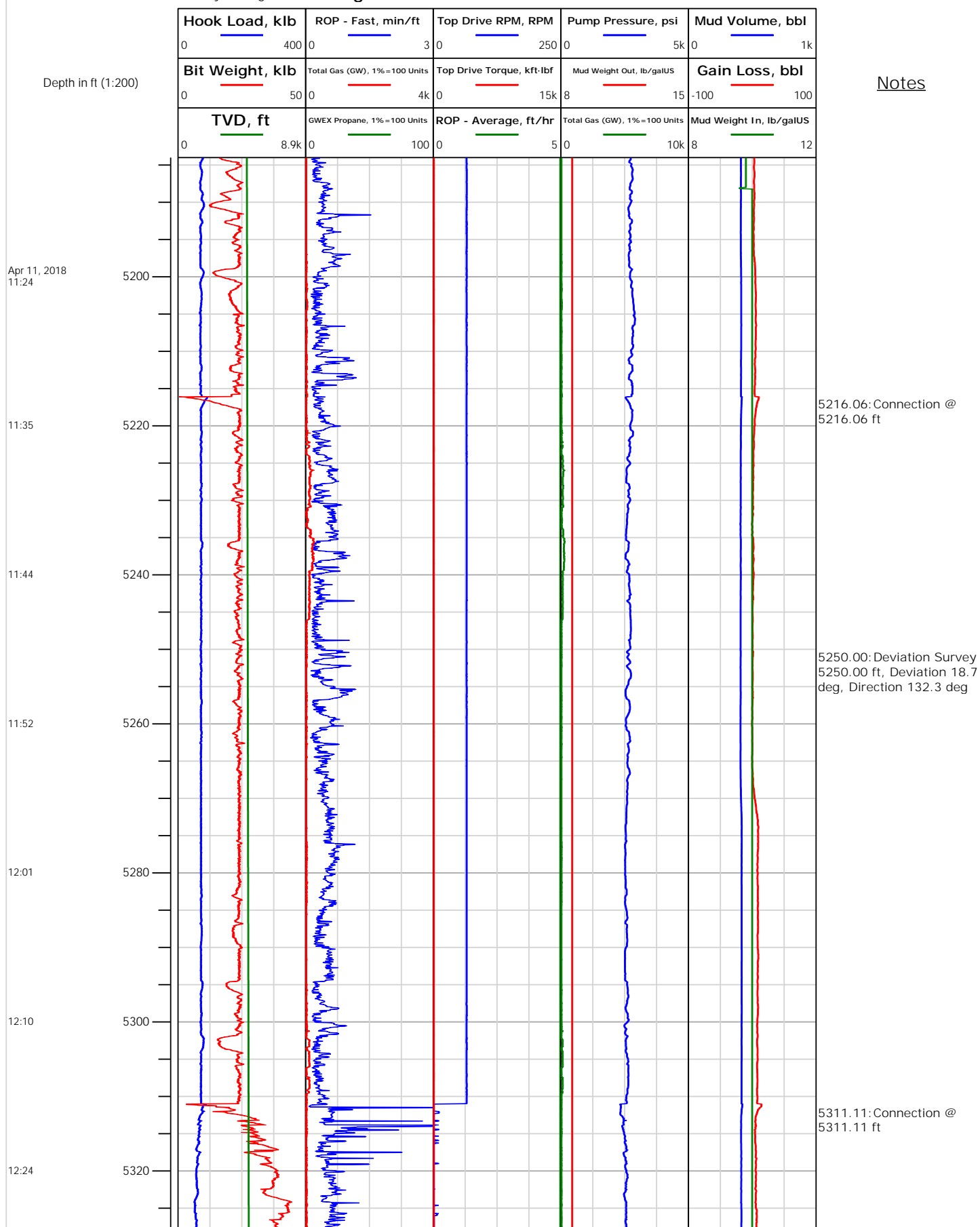
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes

Depth in ft (1:200)

Apr 11, 2018
12:34

12:40

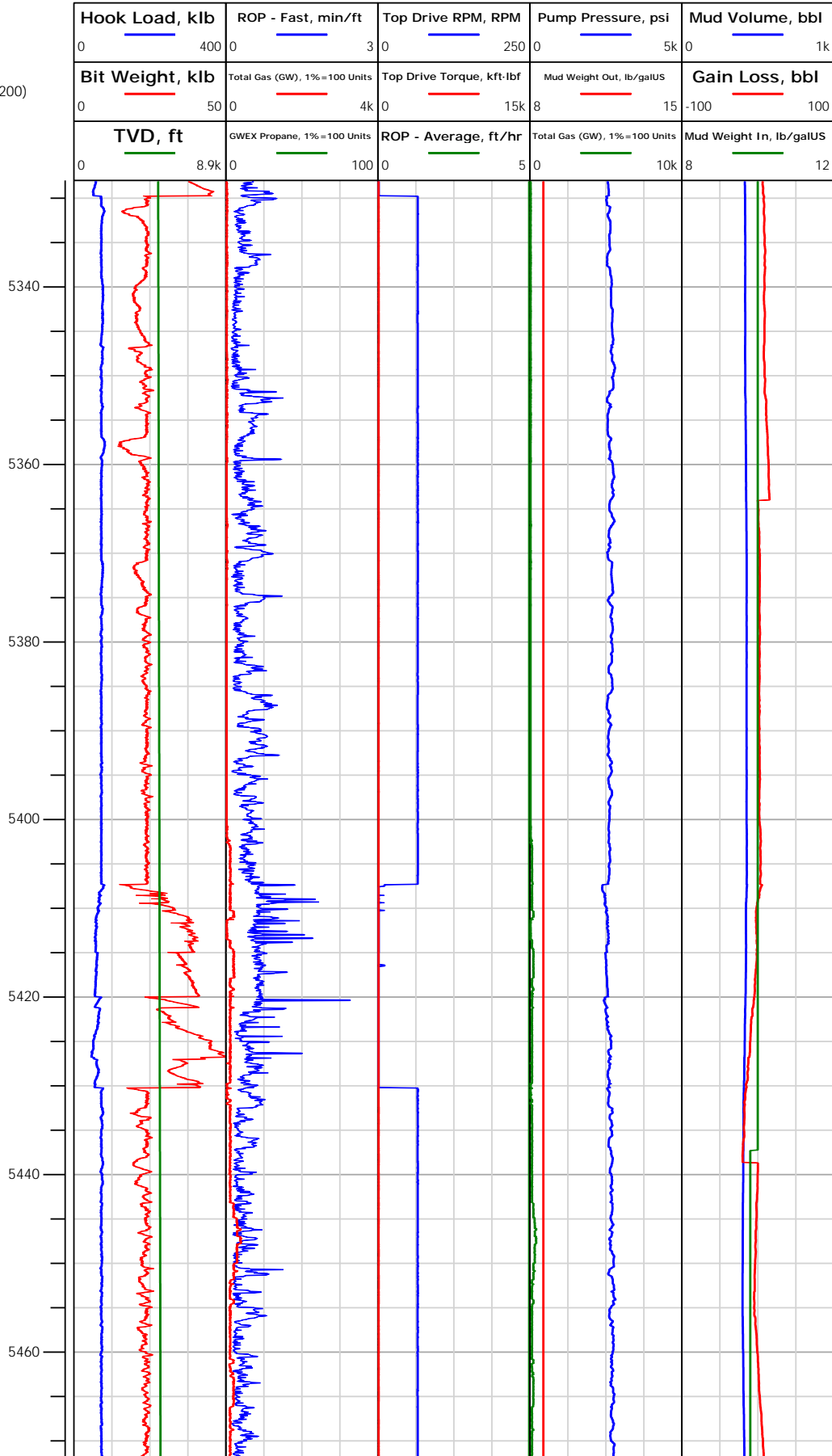
12:47

12:56

13:14

13:24

13:30





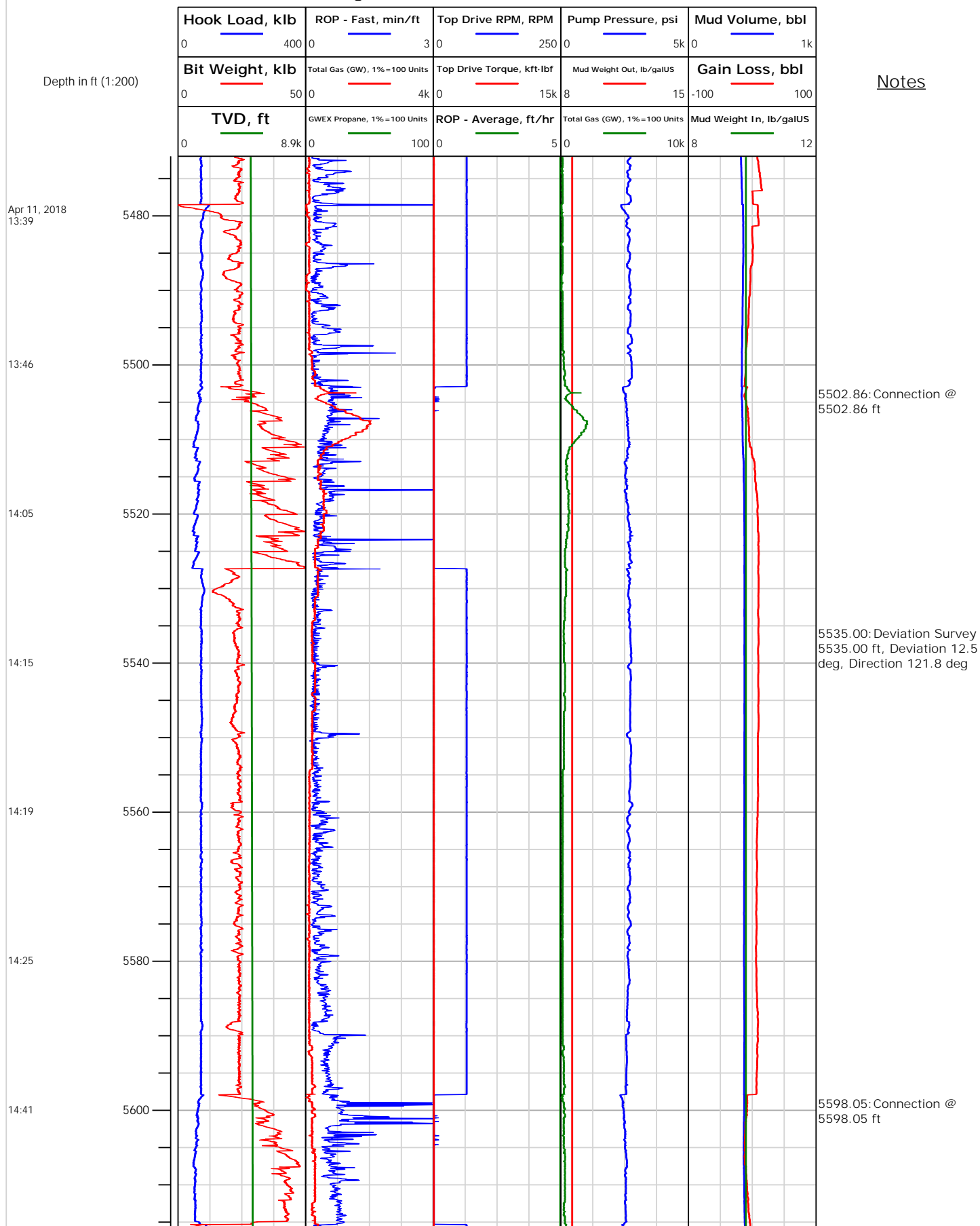
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





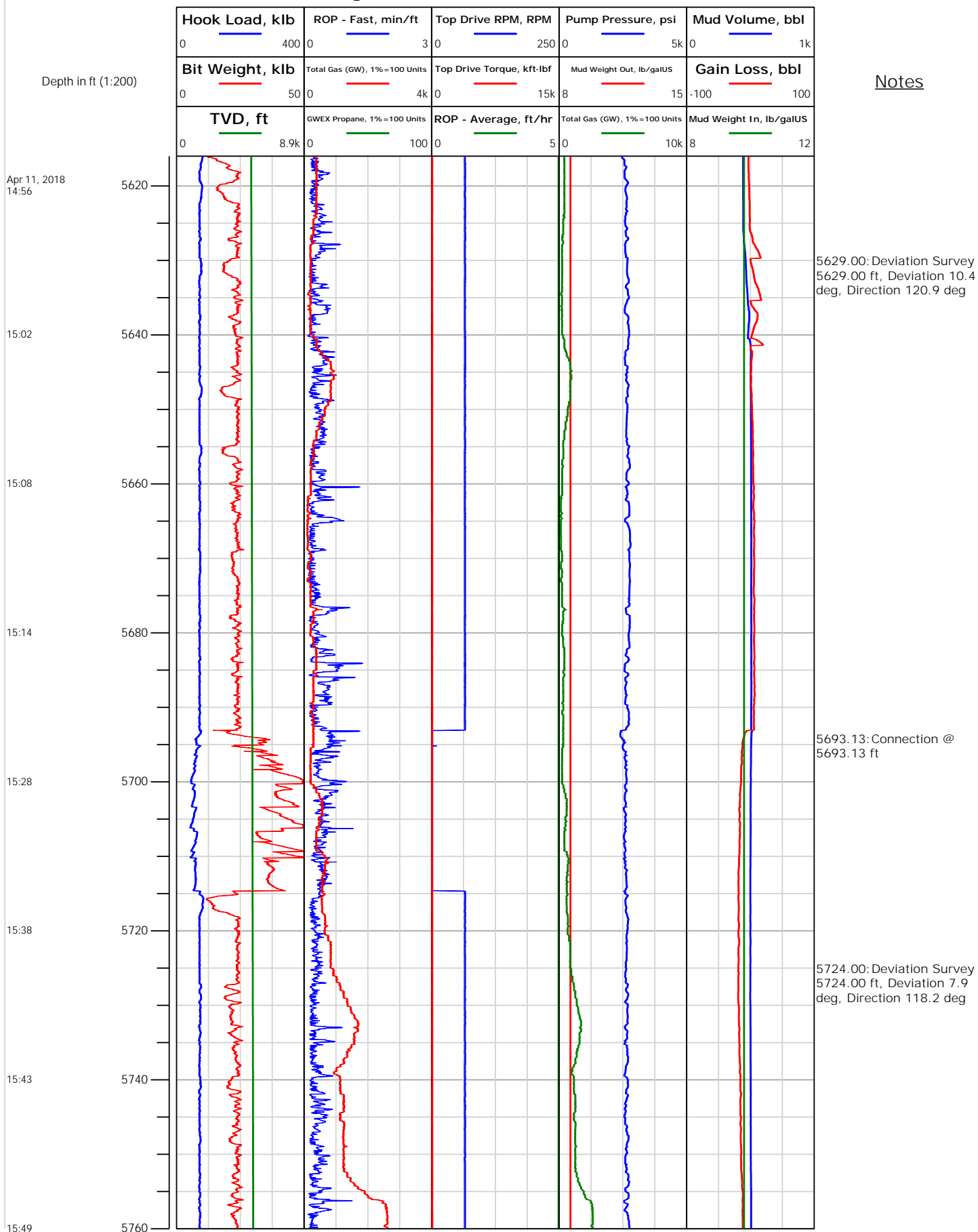
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes

Depth in ft (1:200)

Apr 11, 2018
15:55

16:10

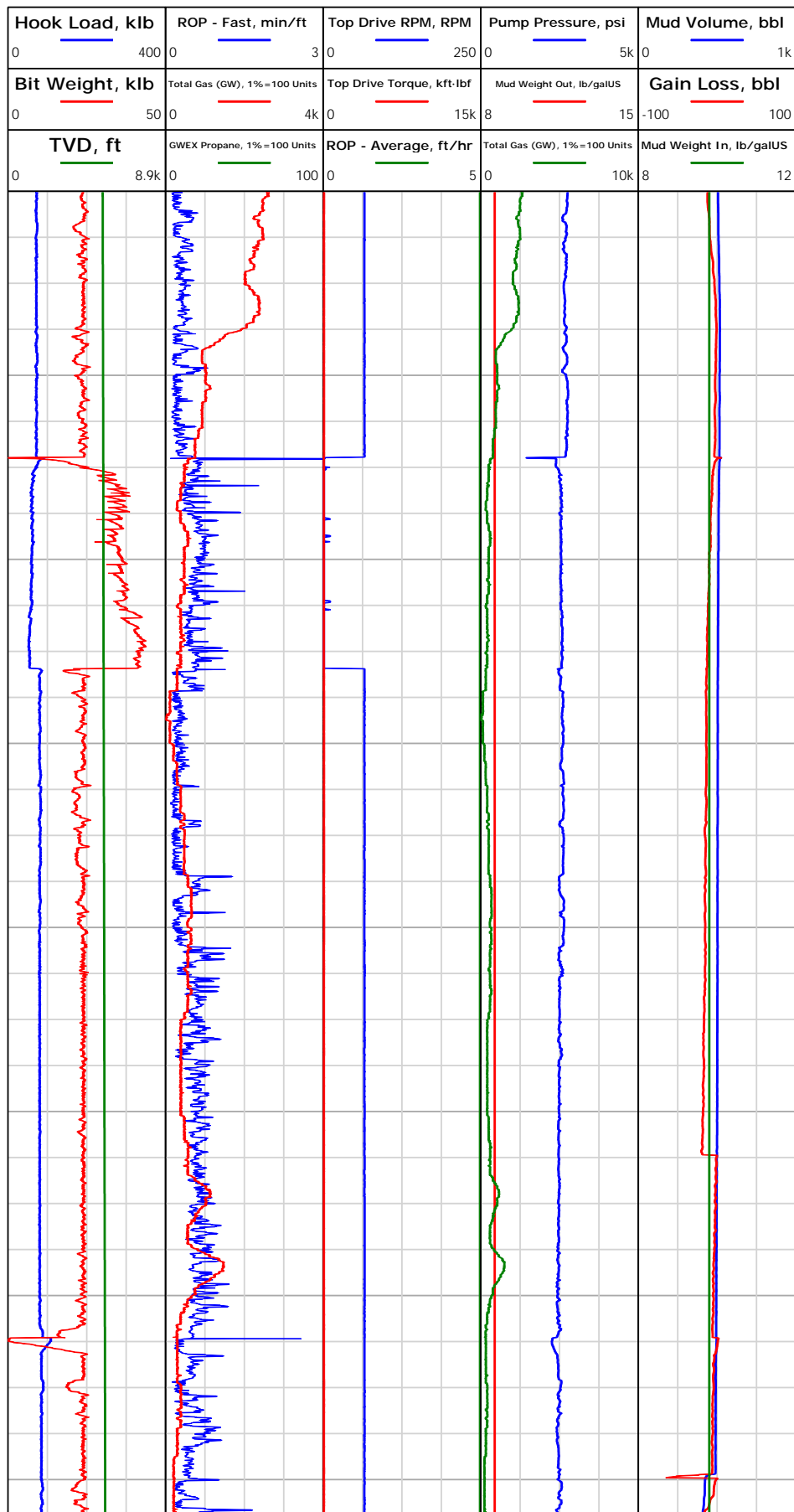
16:20

16:26

16:37

16:50

17:23



5788.71: Connection @
5788.71 ft

5819.00: Deviation Survey
5819.00 ft, Deviation 5.4
deg, Direction 114.2 deg



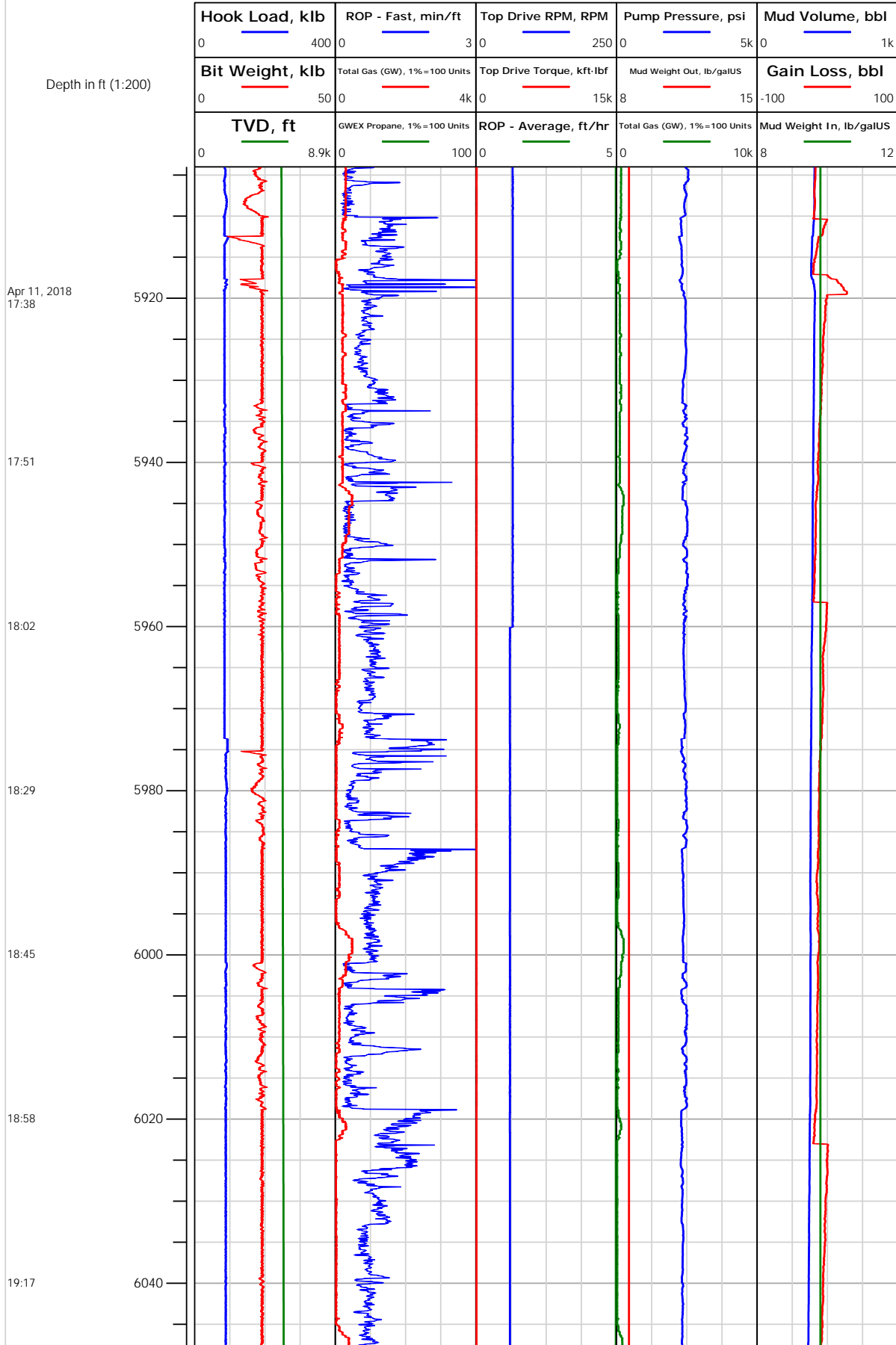
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





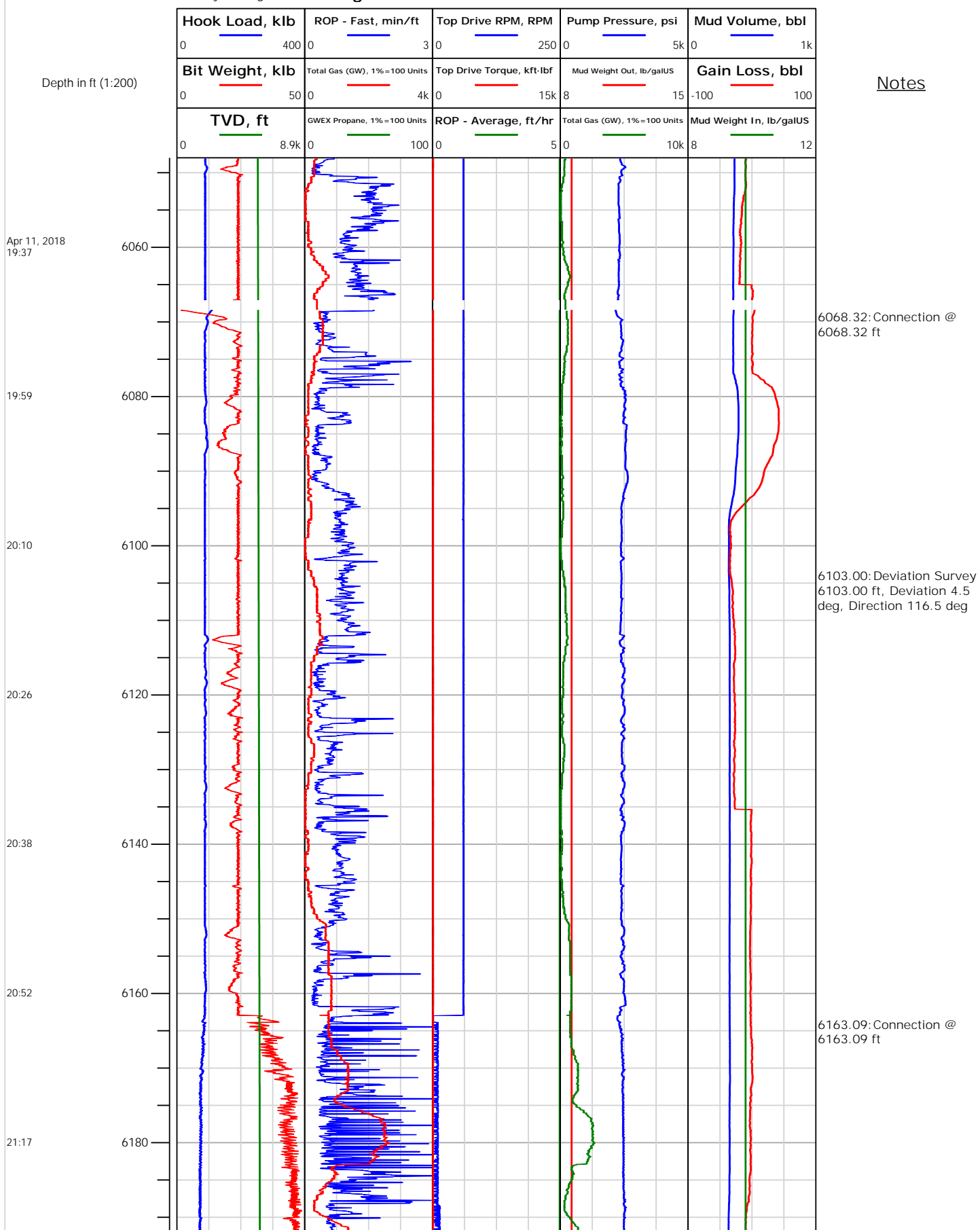
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





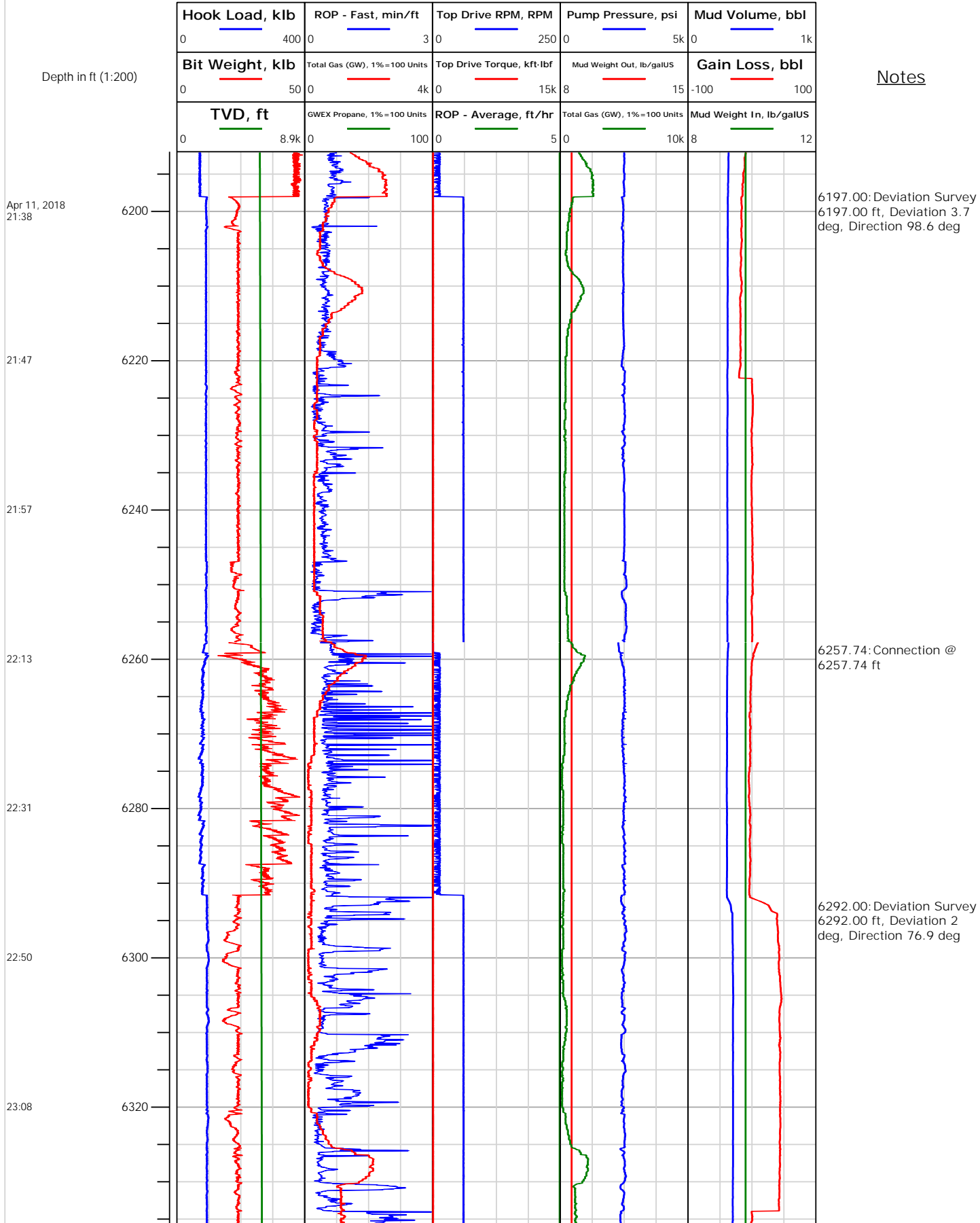
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





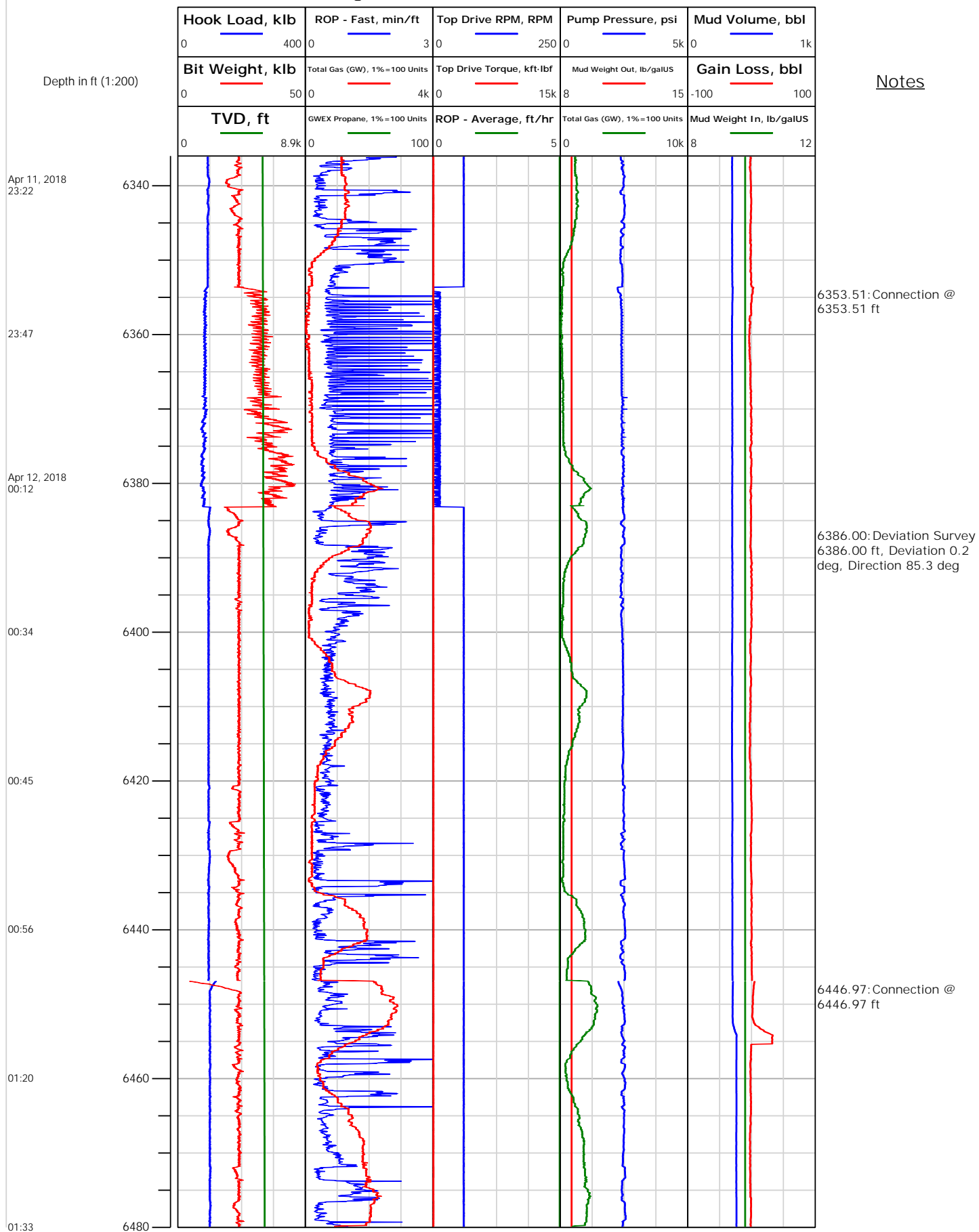
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





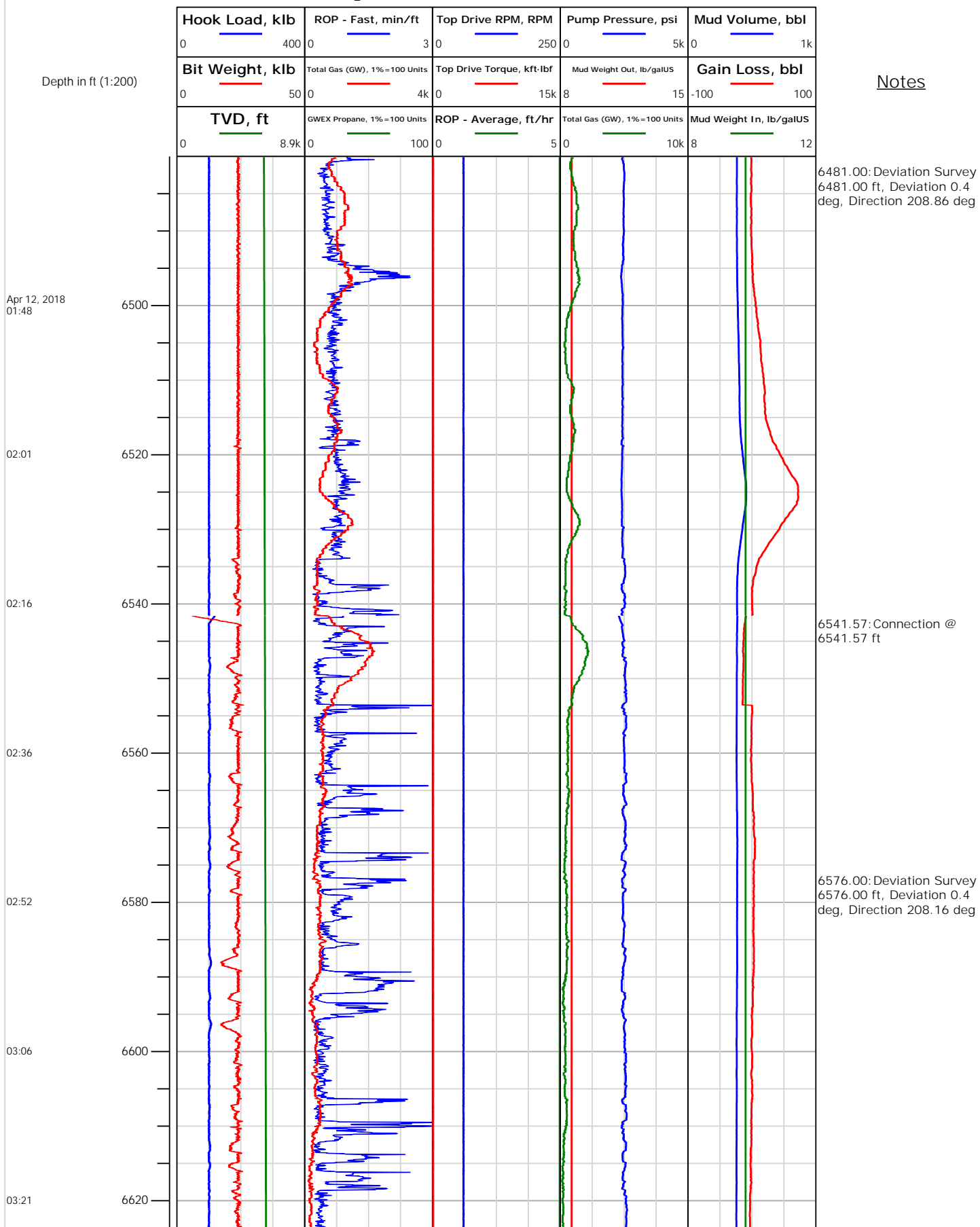
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





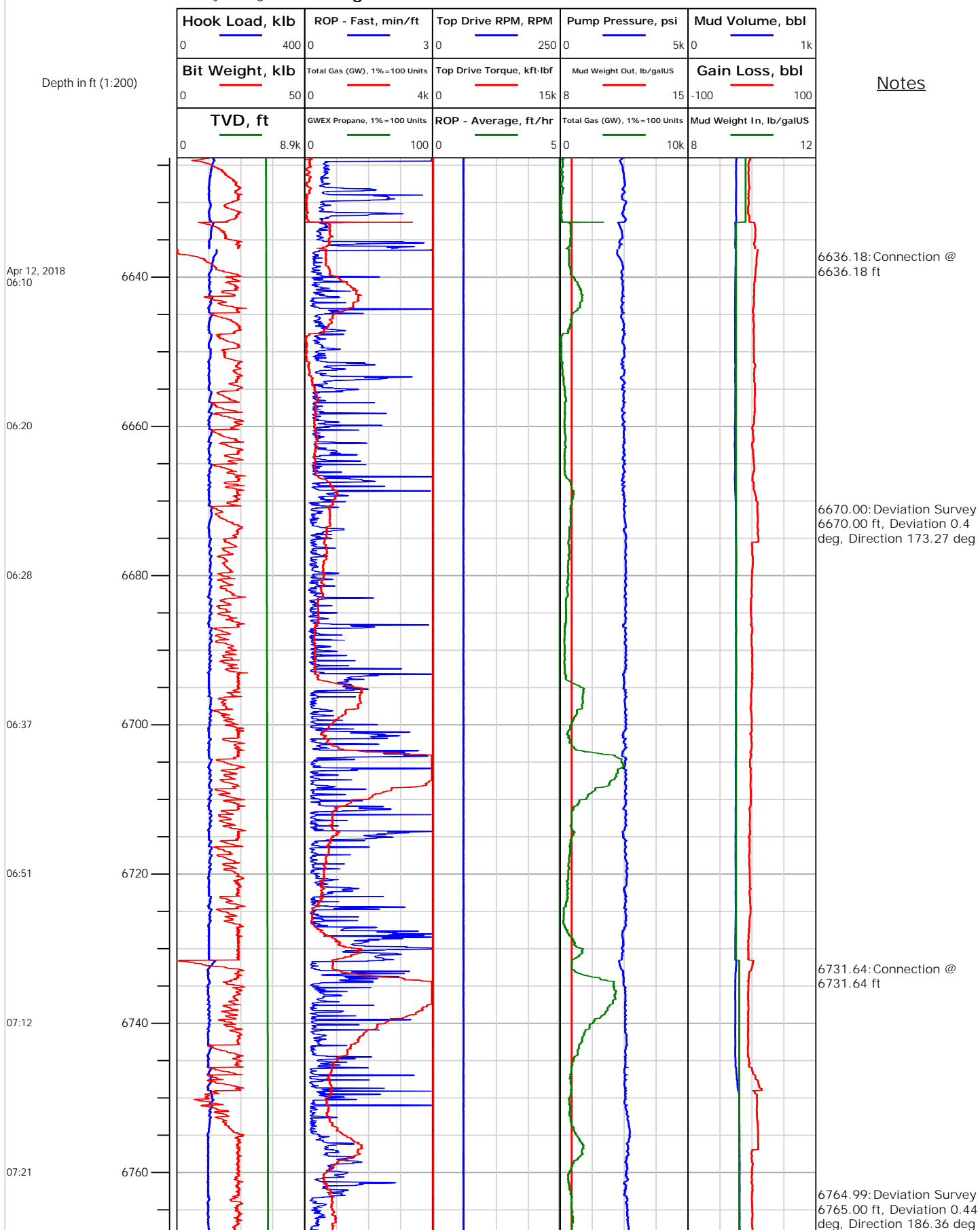
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





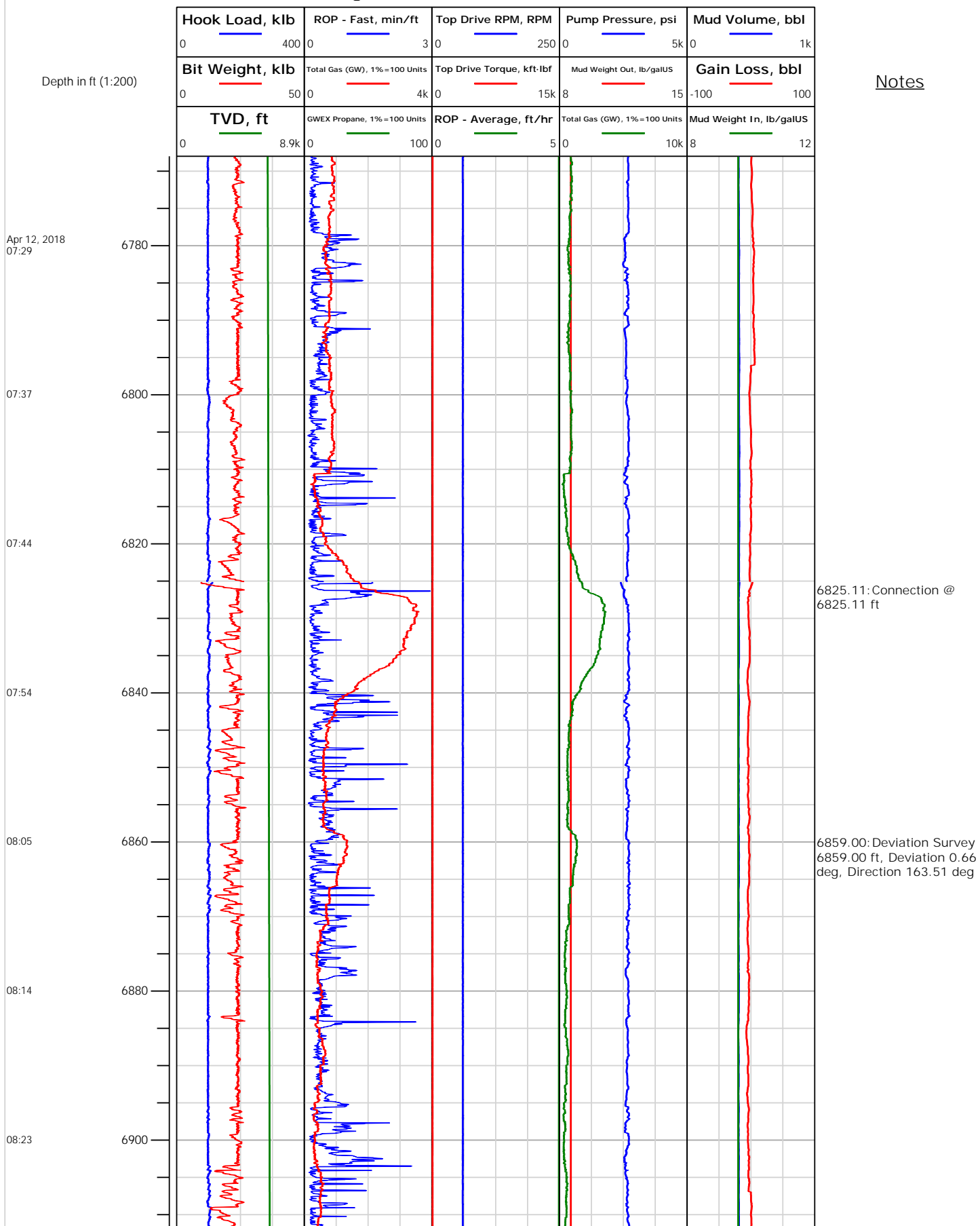
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





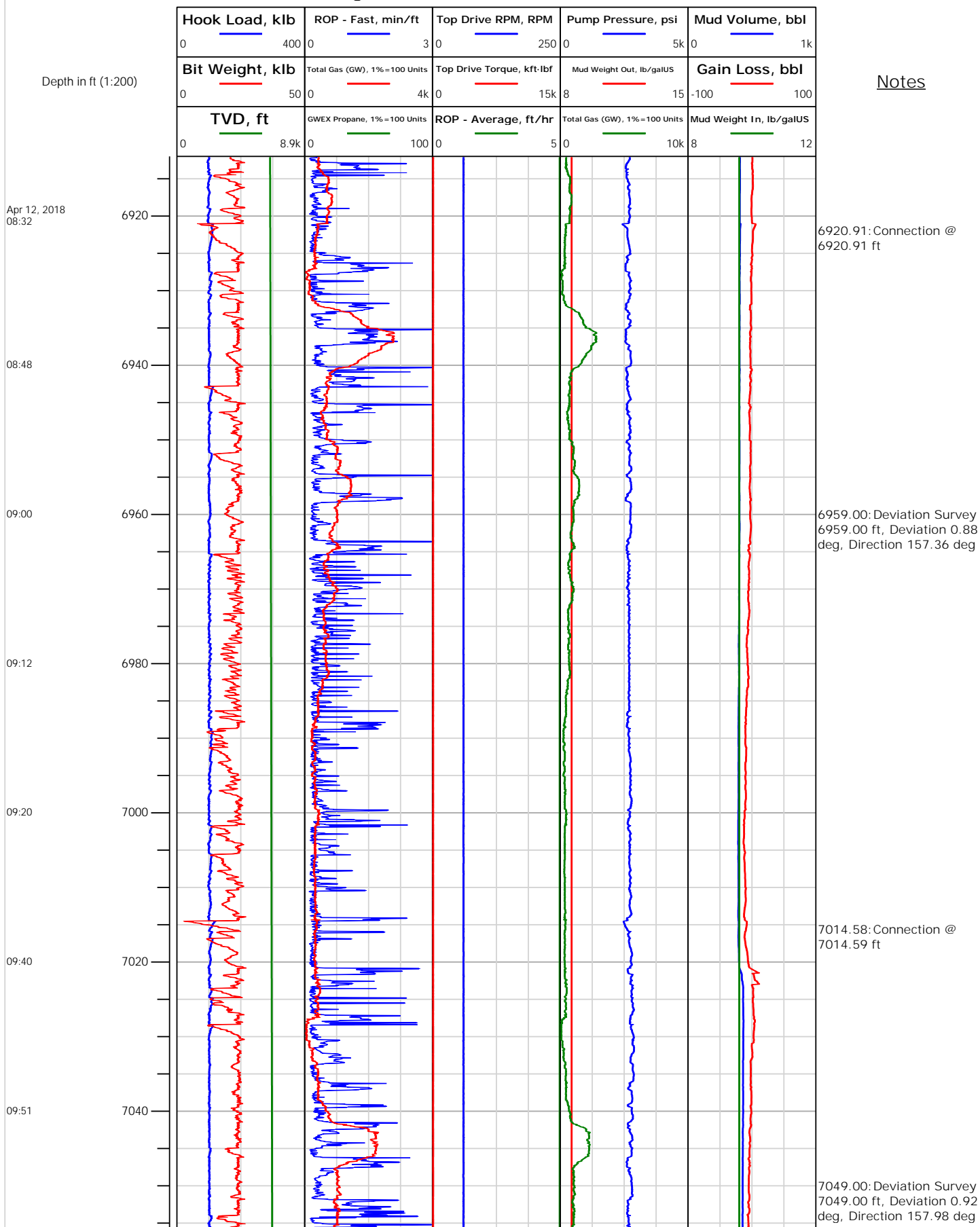
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





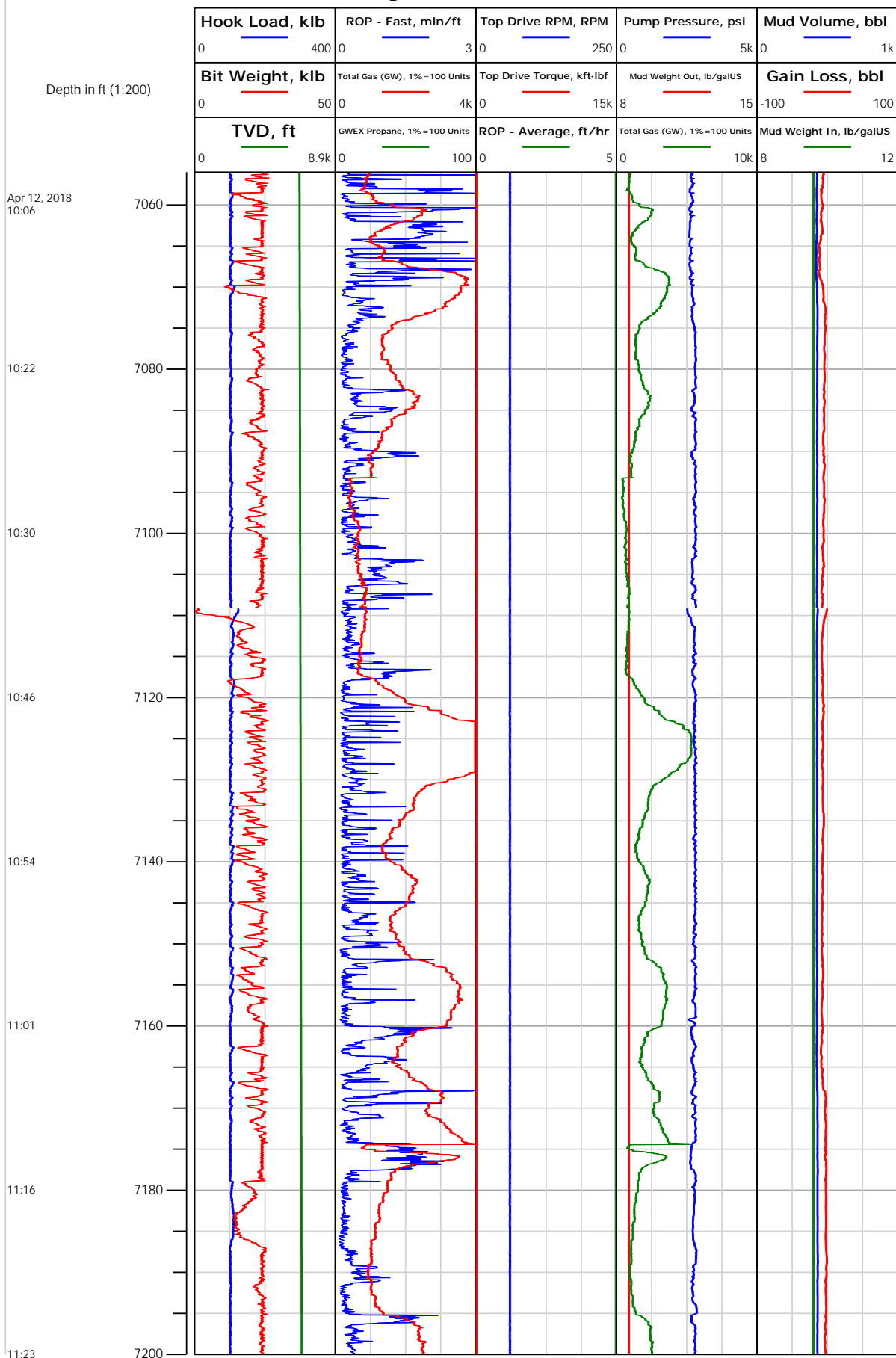
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Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





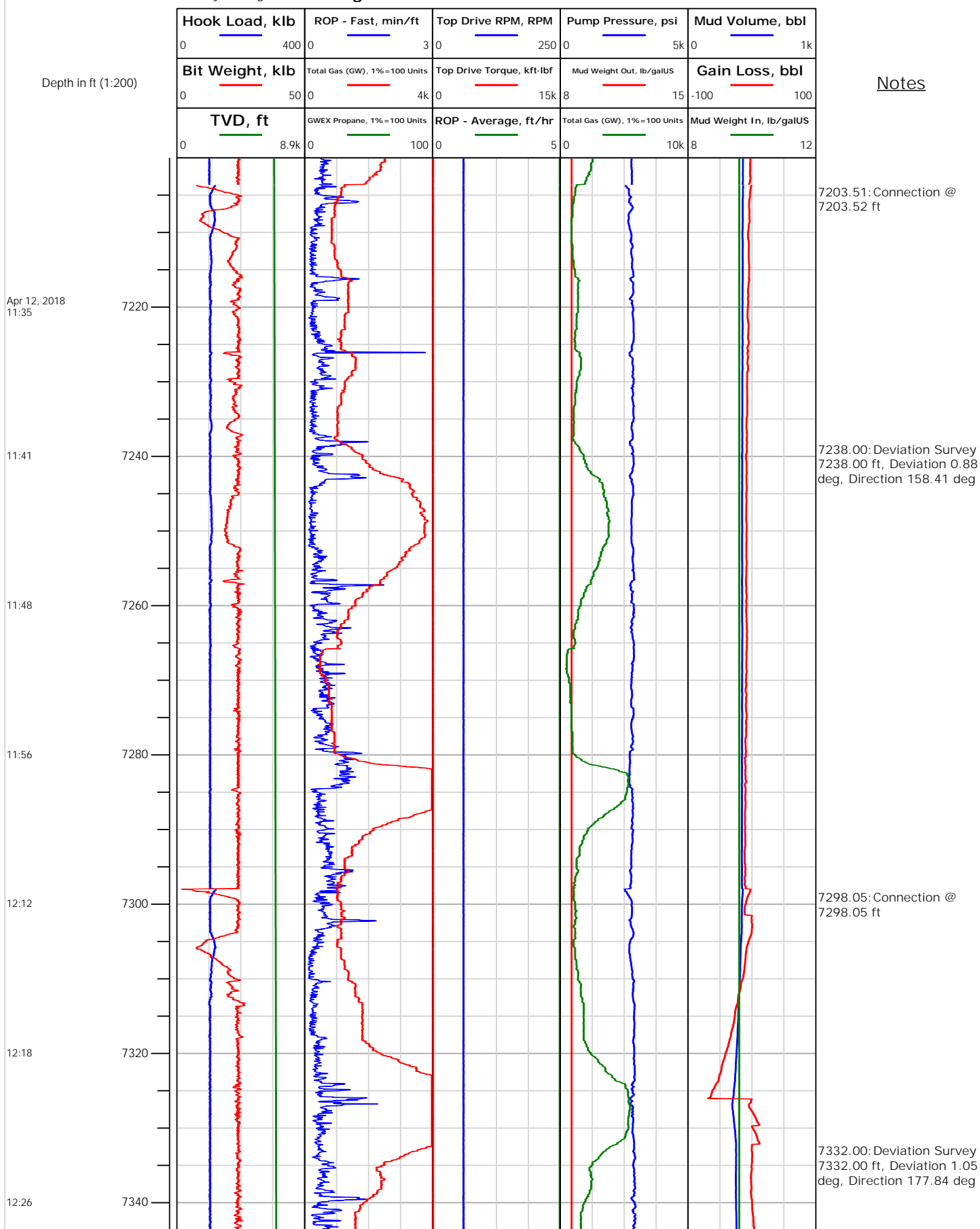
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





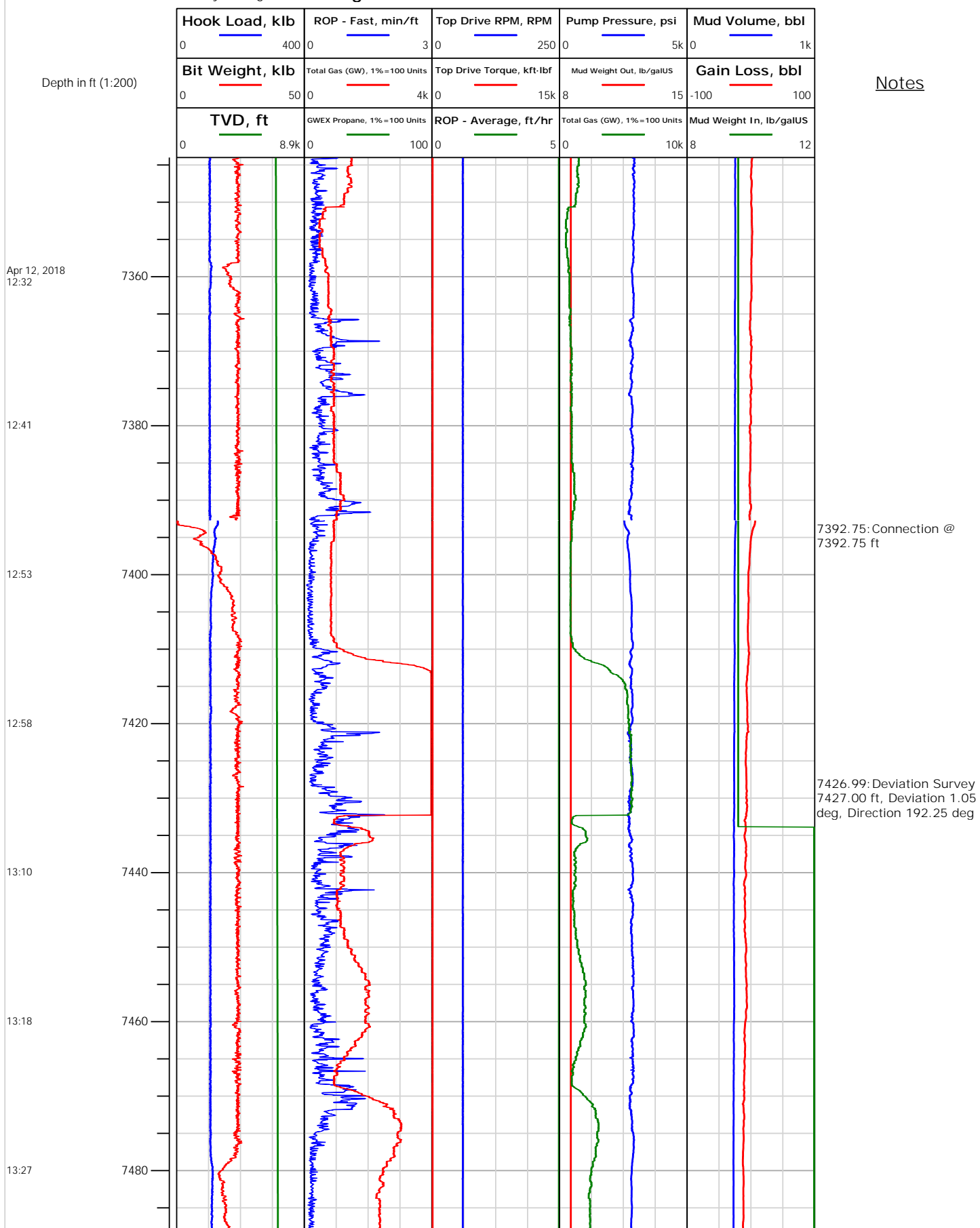
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





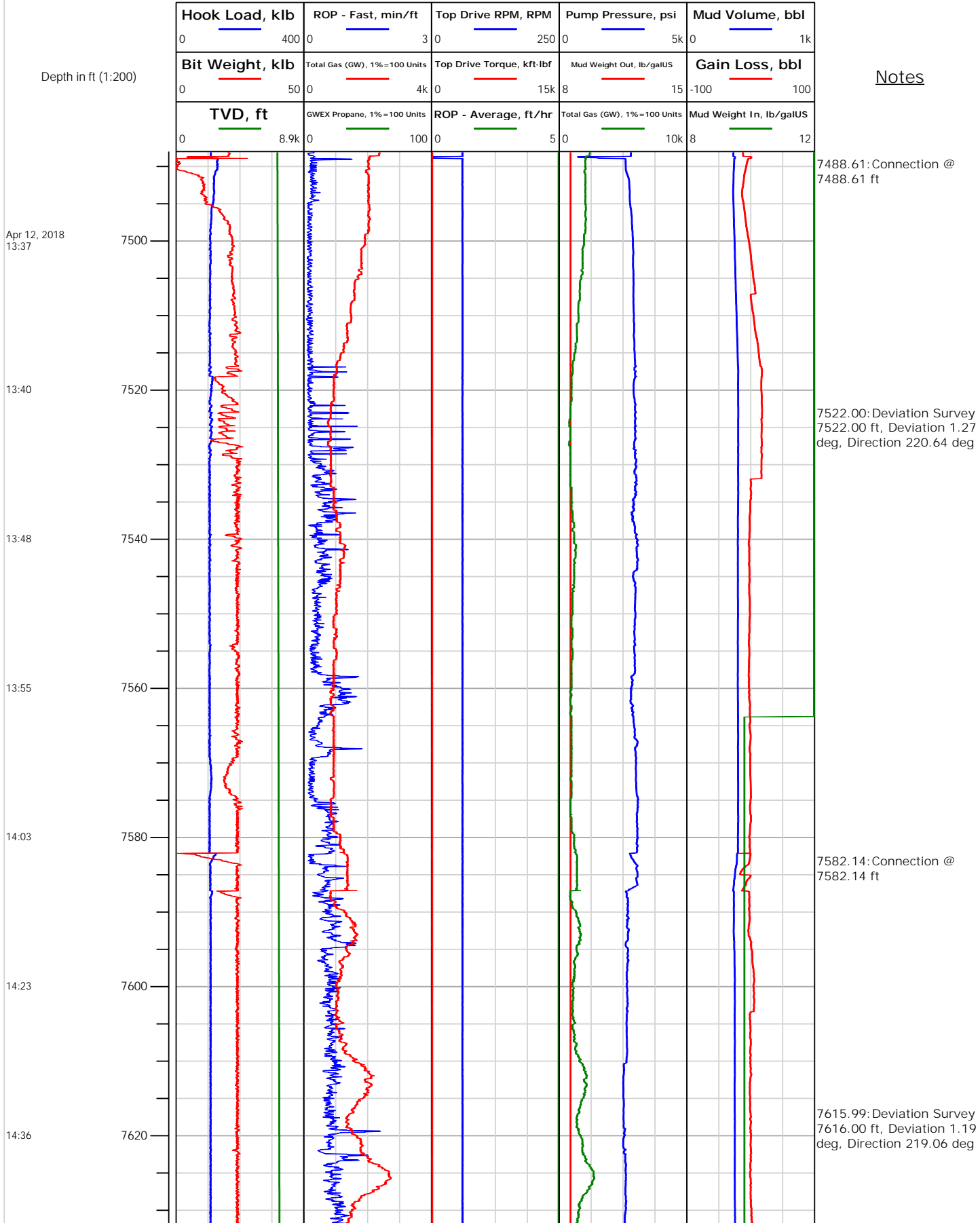
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: NICHOLS 0994-24-16E
Rig: 290

Location:

Notes





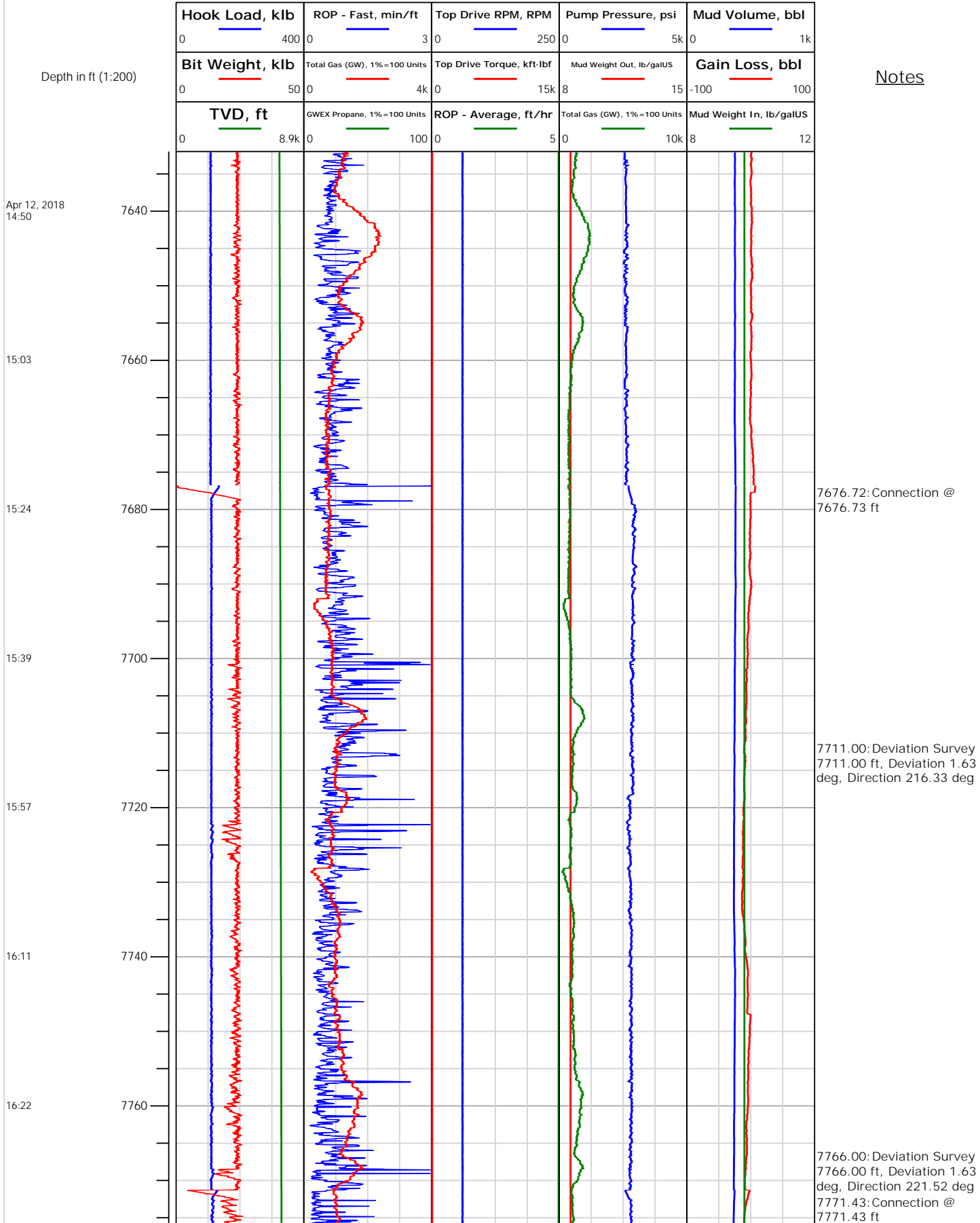
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