



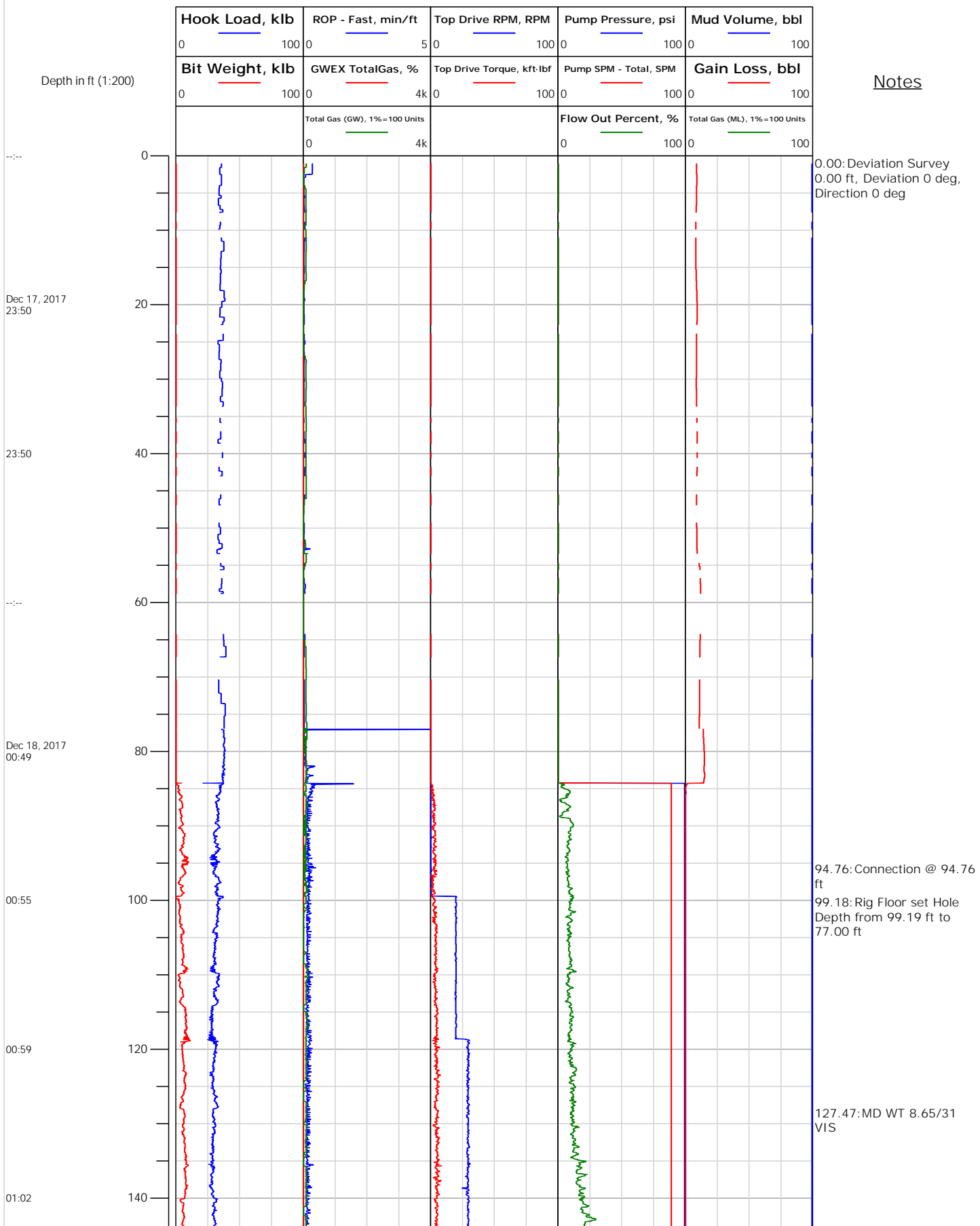
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





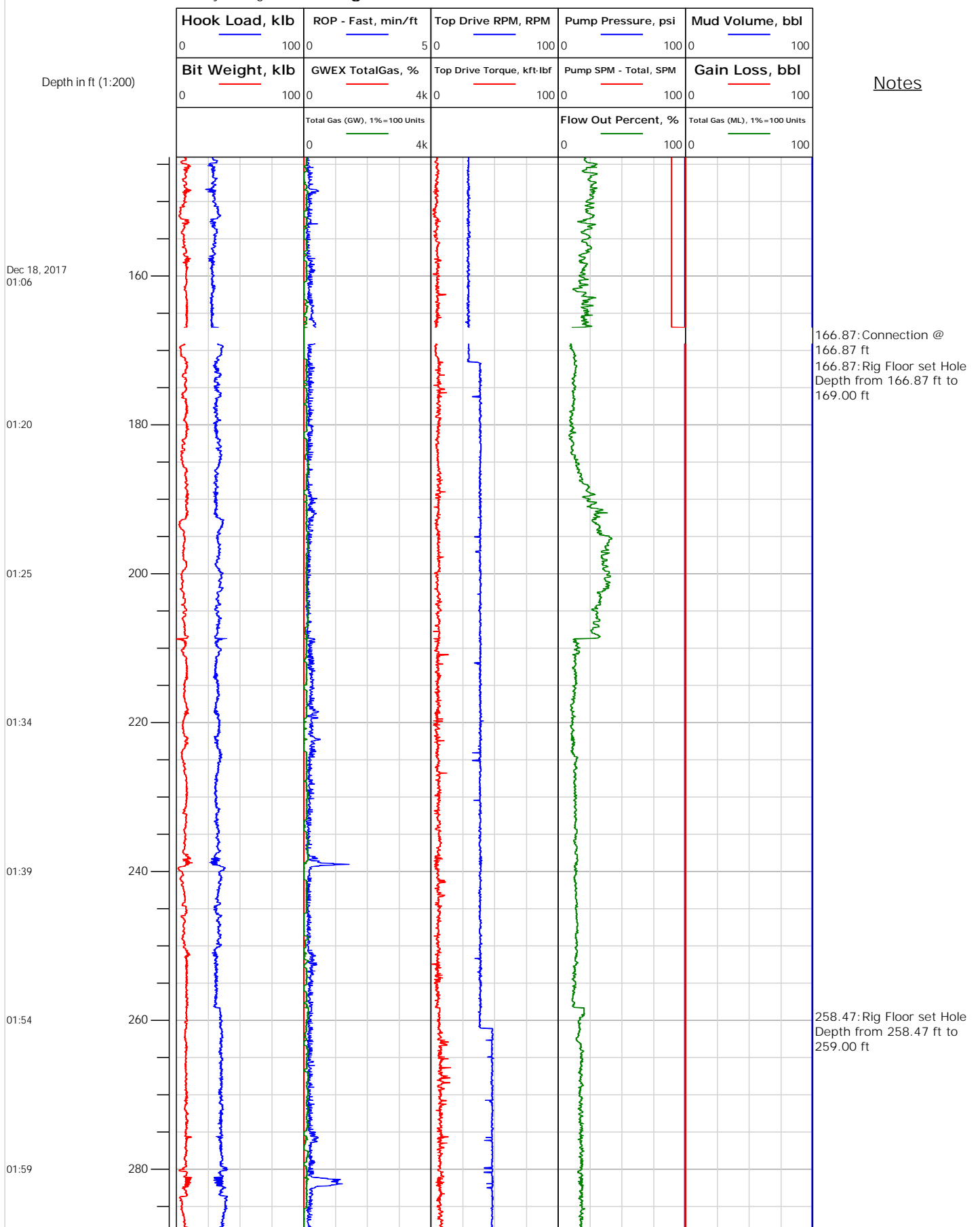
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





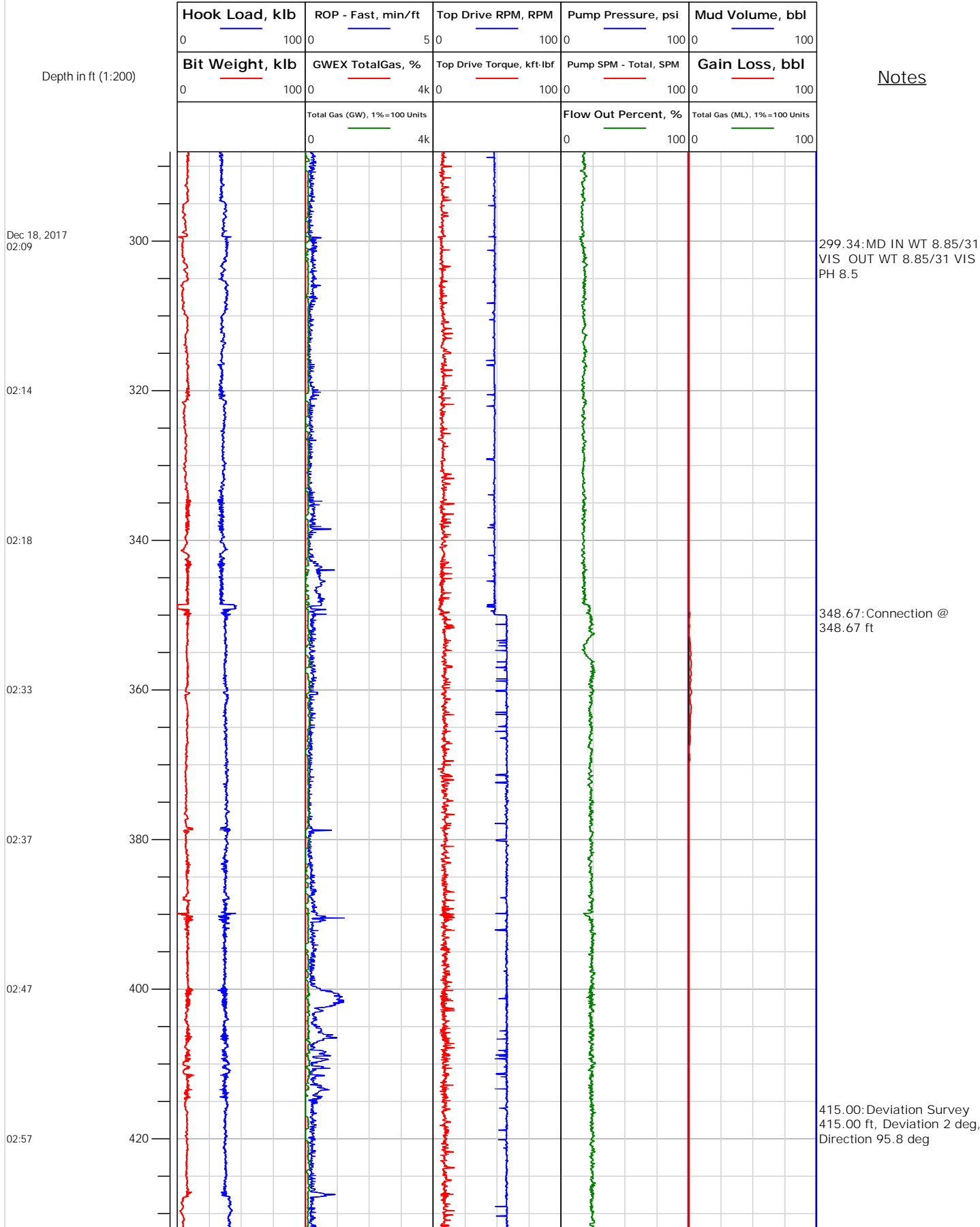
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





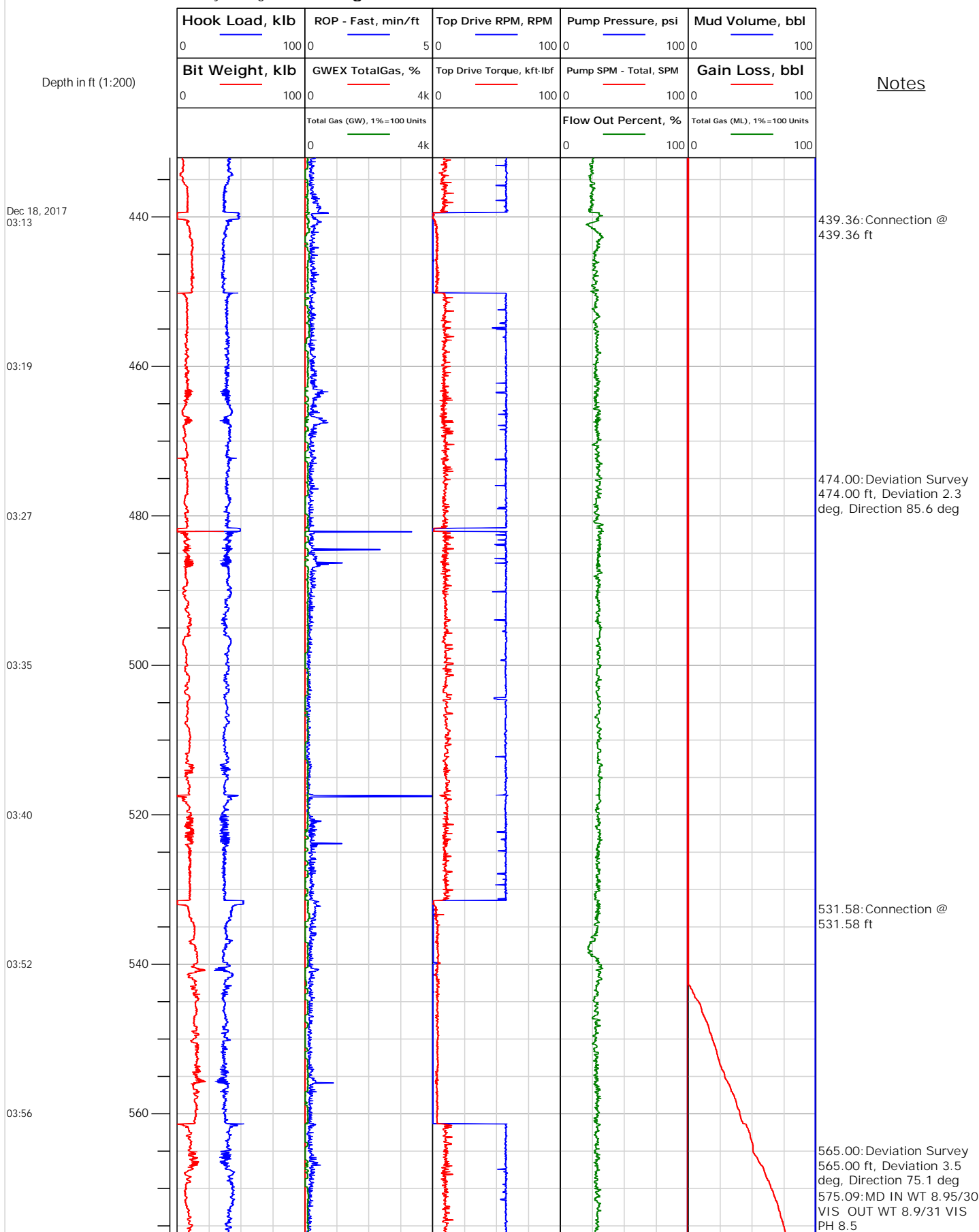
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





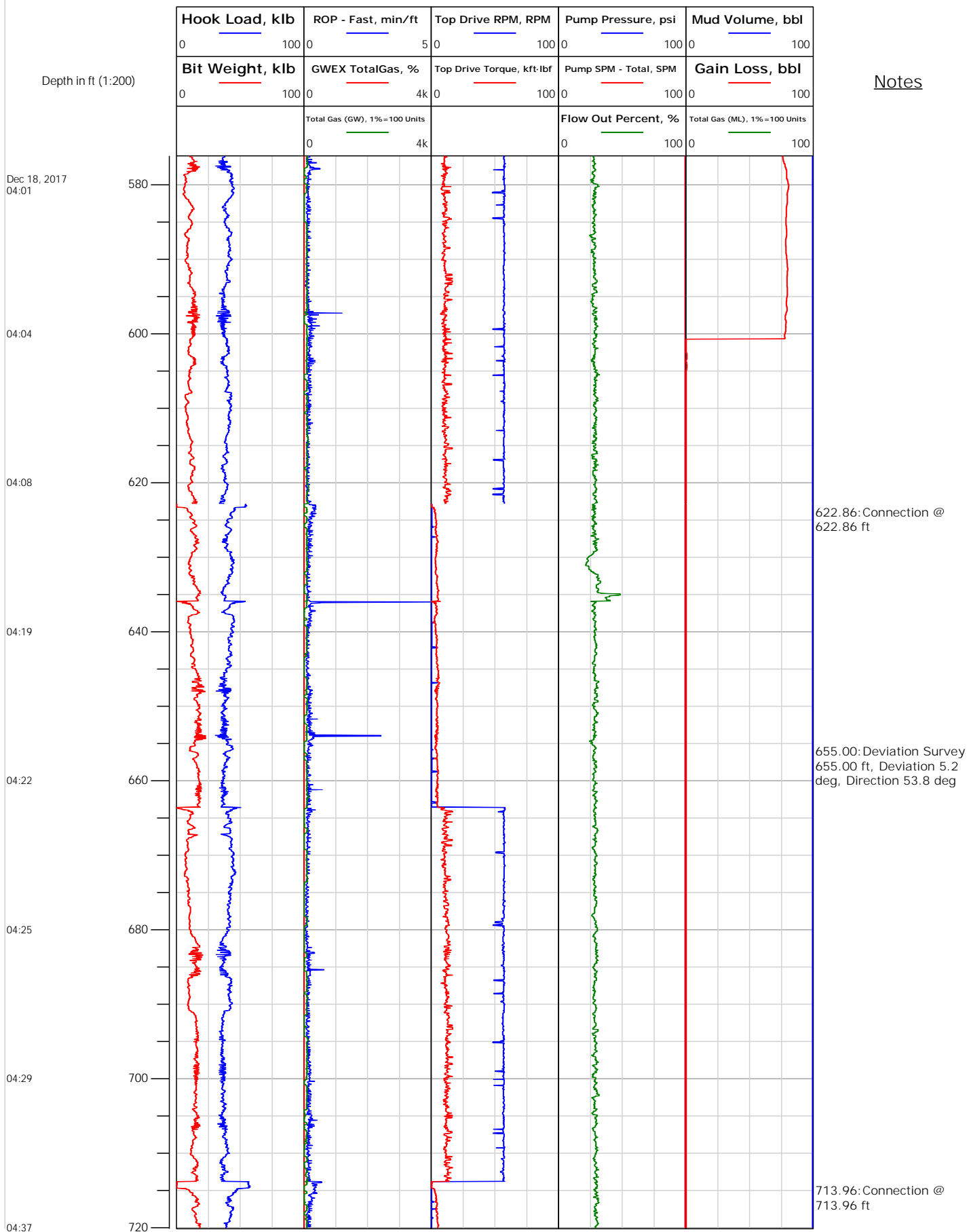
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





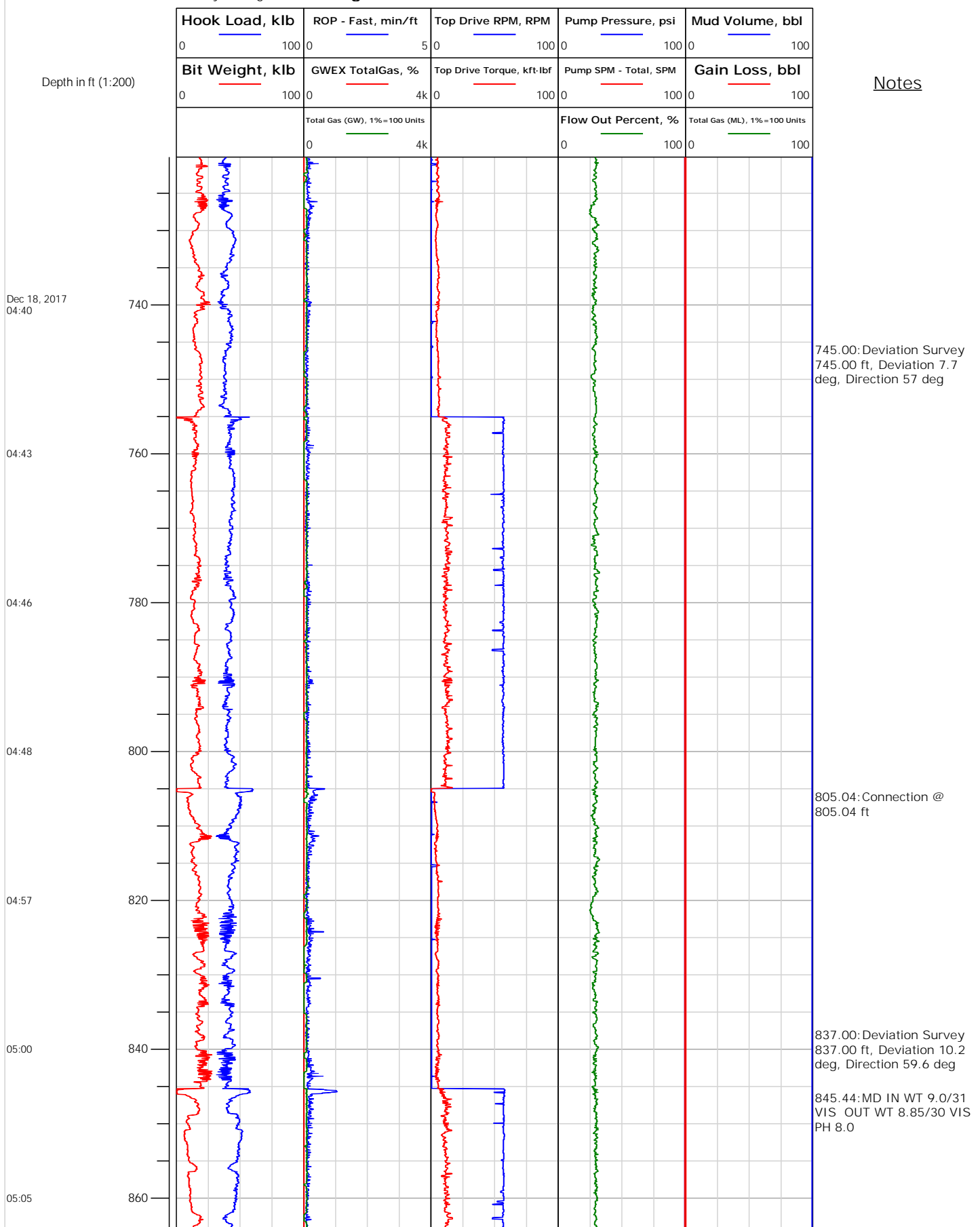
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





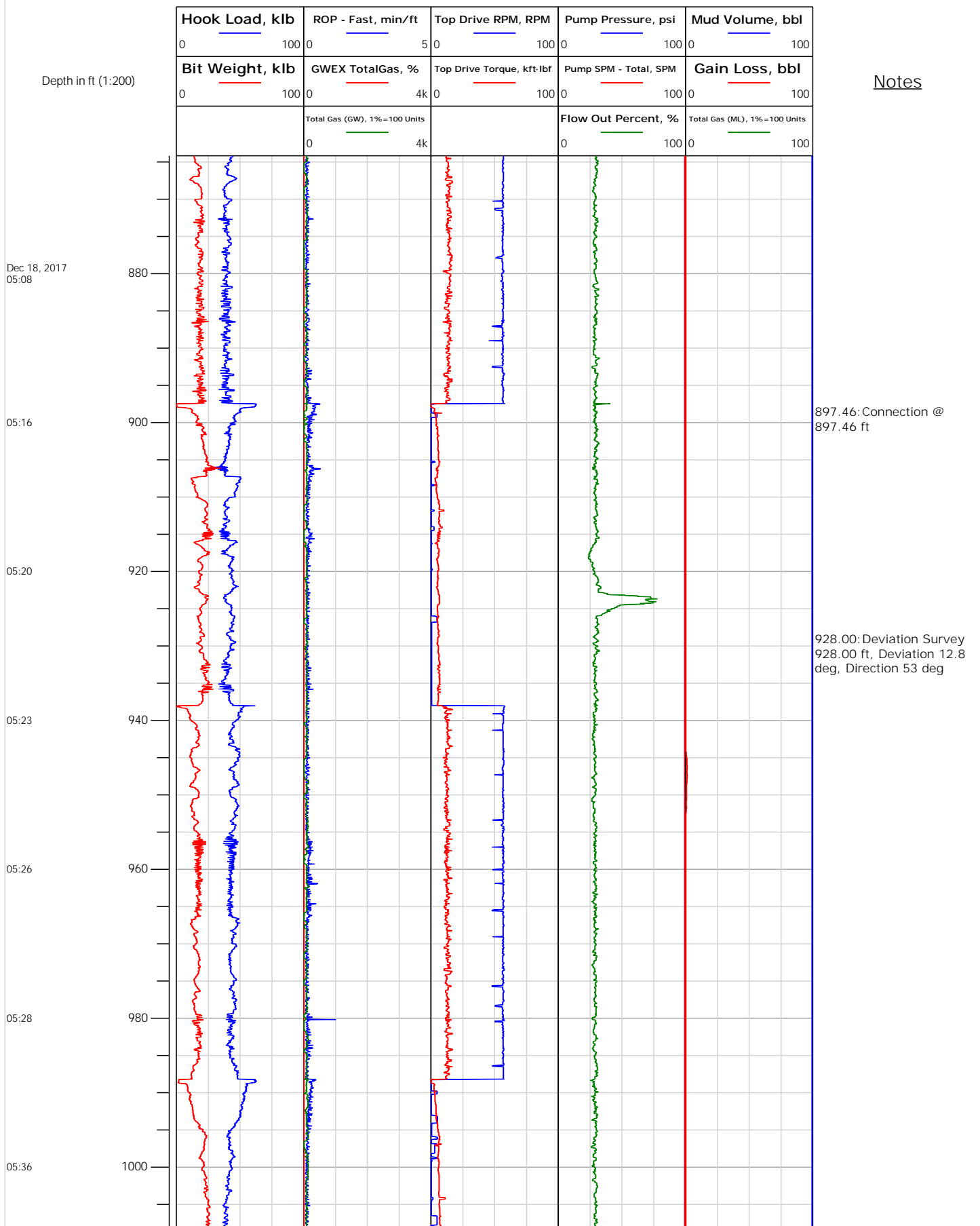
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





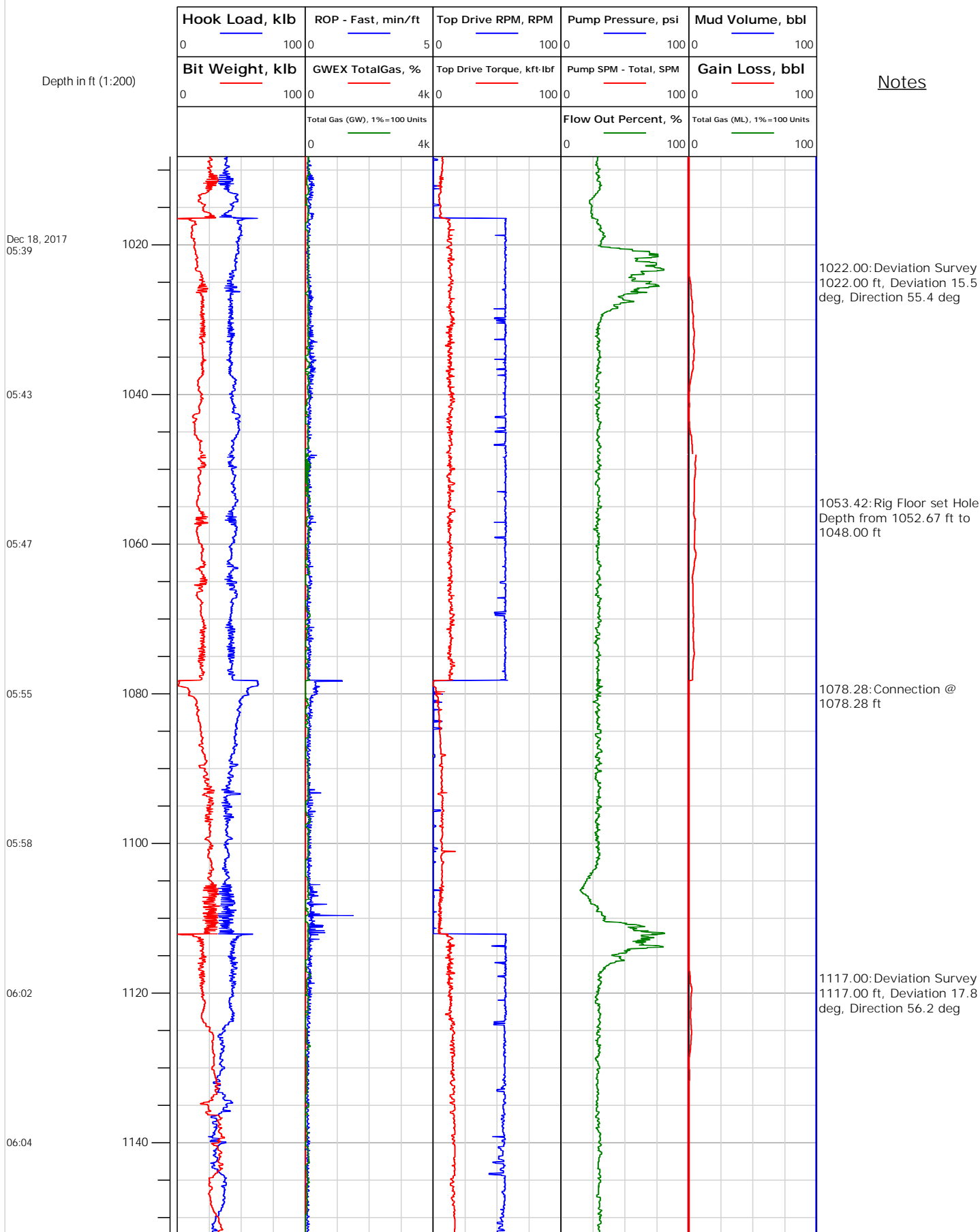
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





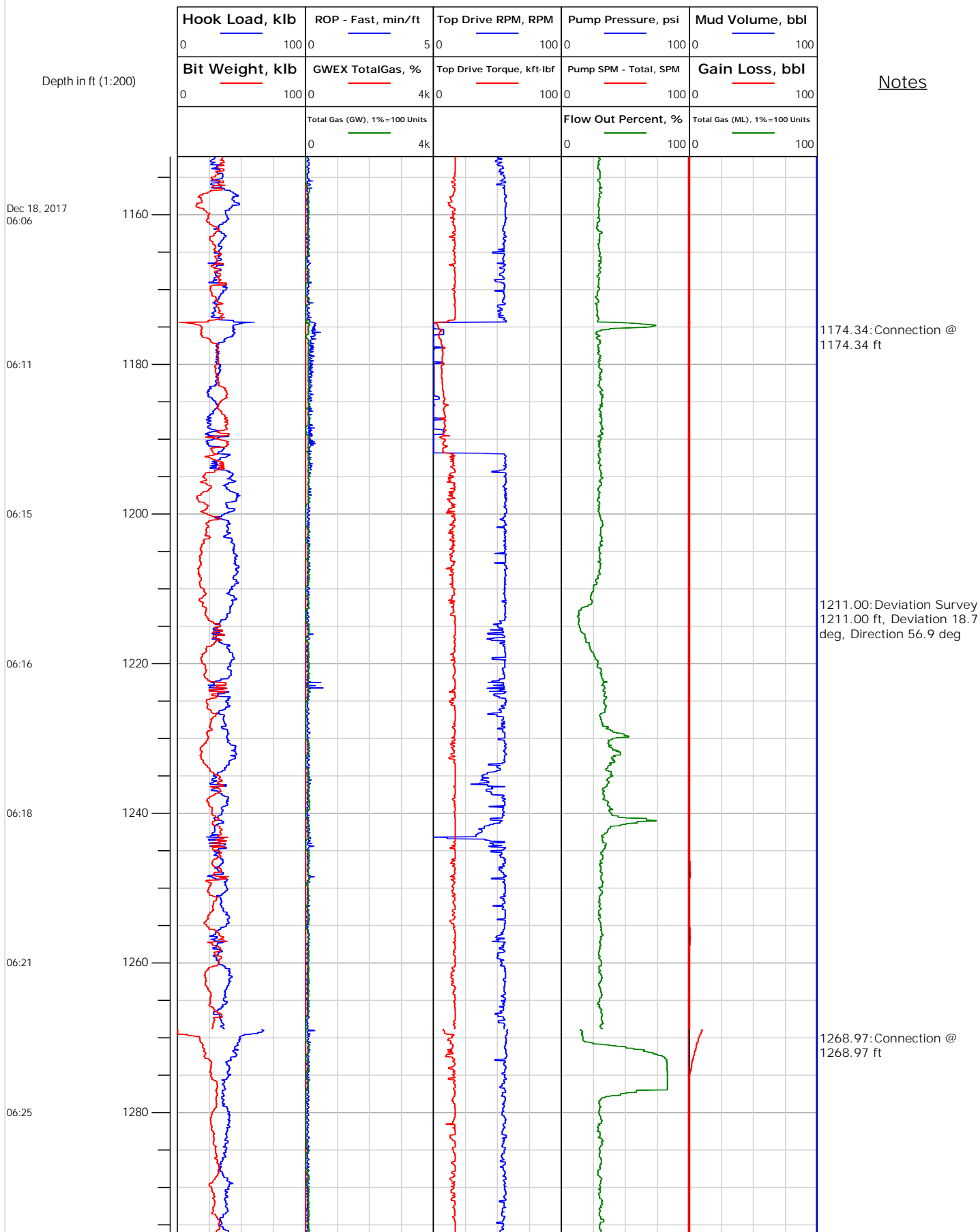
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





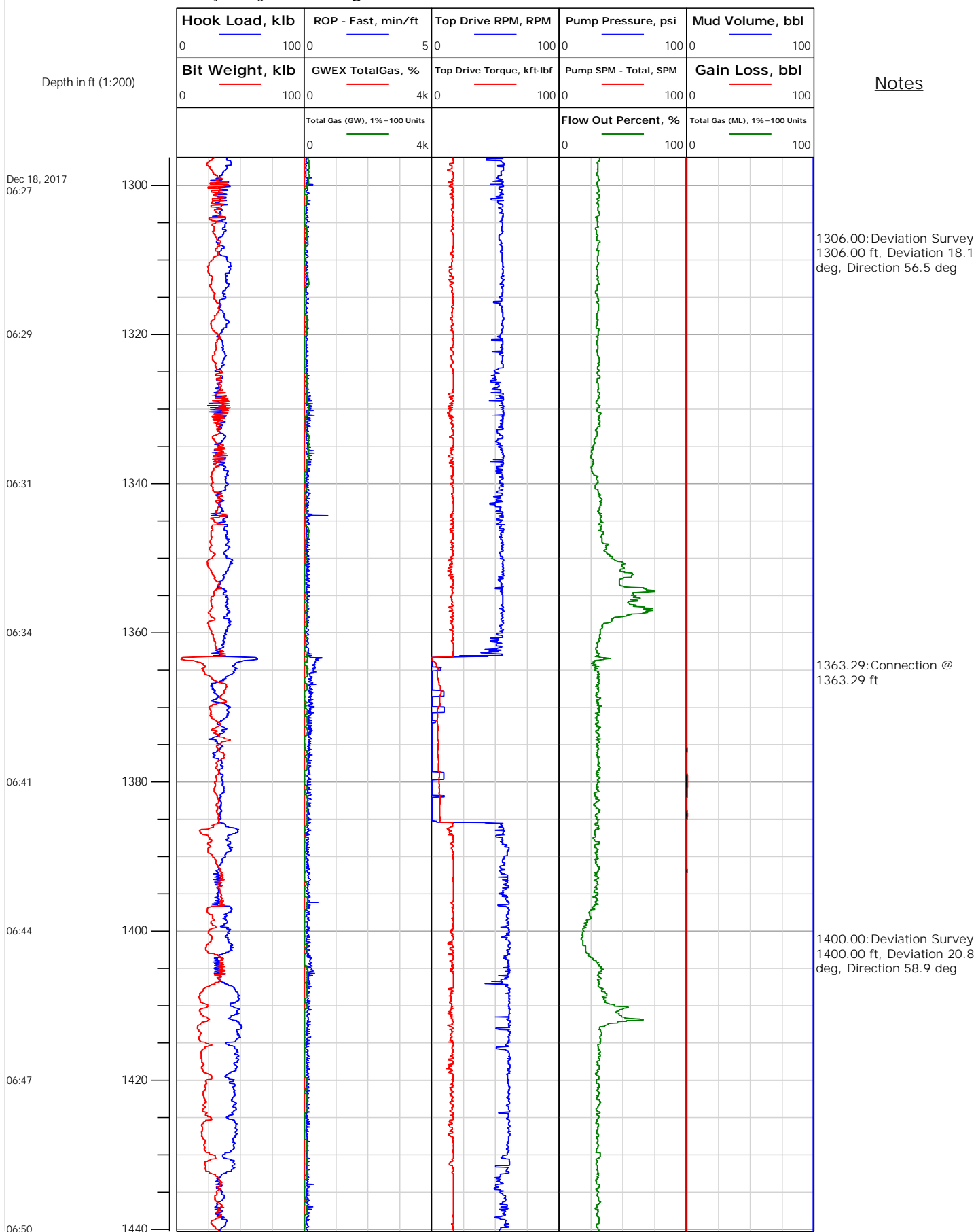
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Depth in ft (1:200)

Notes

Dec 18, 2017
06:55

06:58

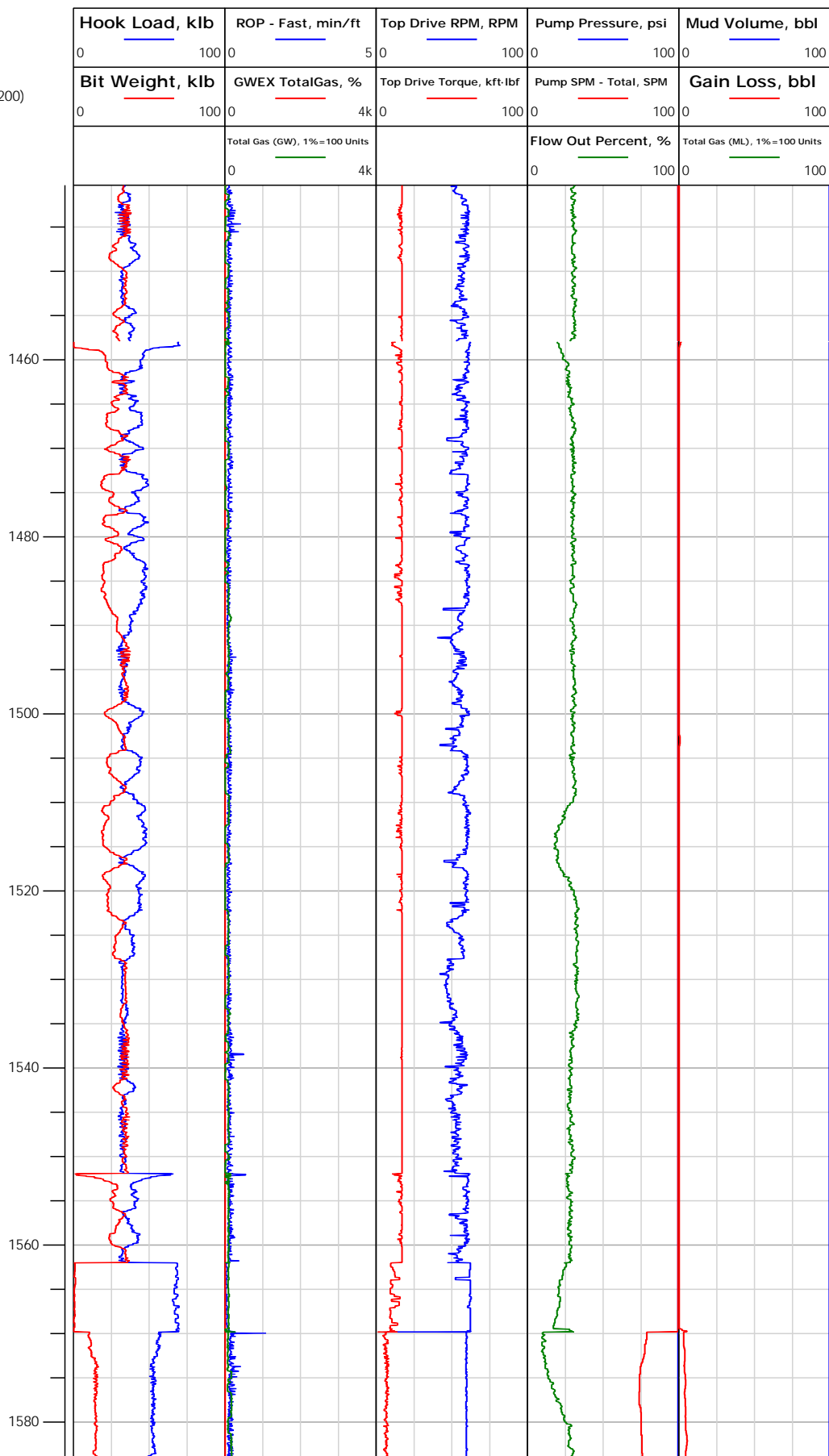
07:01

07:03

07:06

07:14

19:00



1457.90: Connection @
1457.90 ft

1495.00: Deviation Survey
1495.00 ft, Deviation 21.5
deg, Direction 58.2 deg

1552.16: Connection @
1552.16 ft
1554.22: Rig Floor set Hole
Depth from 1554.23 ft to
1552.00 ft
1569.90: Rig Floor set Bit
Position from 1506.01 ft to
978.00 ft
1569.90: Rig Floor set Bit
Position from 1457.35 ft to
1450.00 ft
1569.91: Connection @
1569.91 ft
1569.91: MD IN WT 9.3/30
VIS OUT WT 9.15/30 VIS
PH 10.0
1569.91: Rig Floor set Bit
Position from 164.81 ft to
452.00 ft
1574.12: MD IN WT
9.15/30 VIS OUT WT
9.0/30 VIS PH 10.0



Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Depth in ft (1:200)

Notes

Dec 18, 2017
19:03

19:06

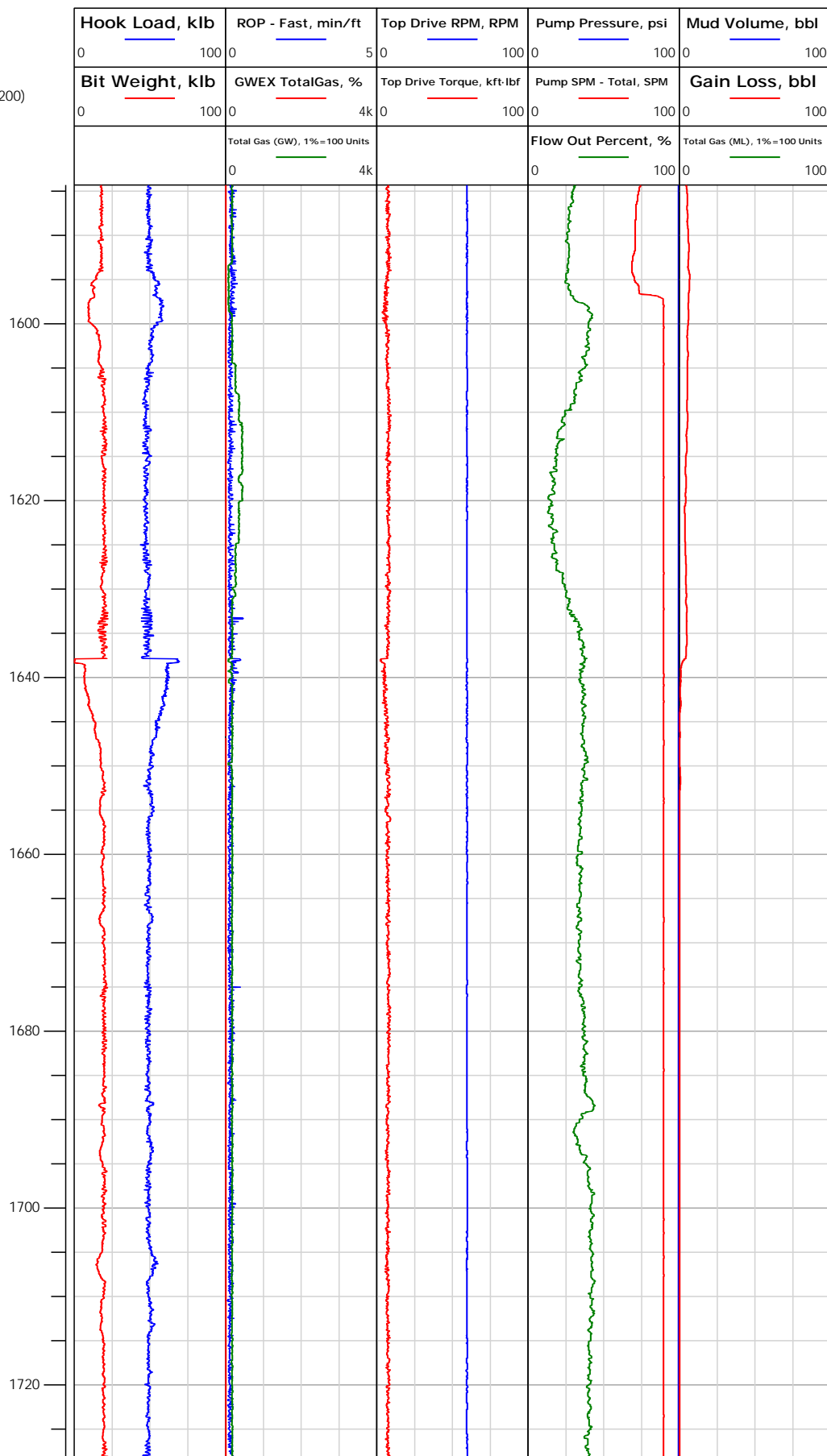
19:13

19:16

19:19

19:22

19:25



1585.00: Deviation Survey
1585.00 ft, Deviation 21.8
deg, Direction 57.5 deg

1637.90: Connection @
1637.90 ft

1679.00: Deviation Survey
1679.00 ft, Deviation 21.8
deg, Direction 57.1 deg



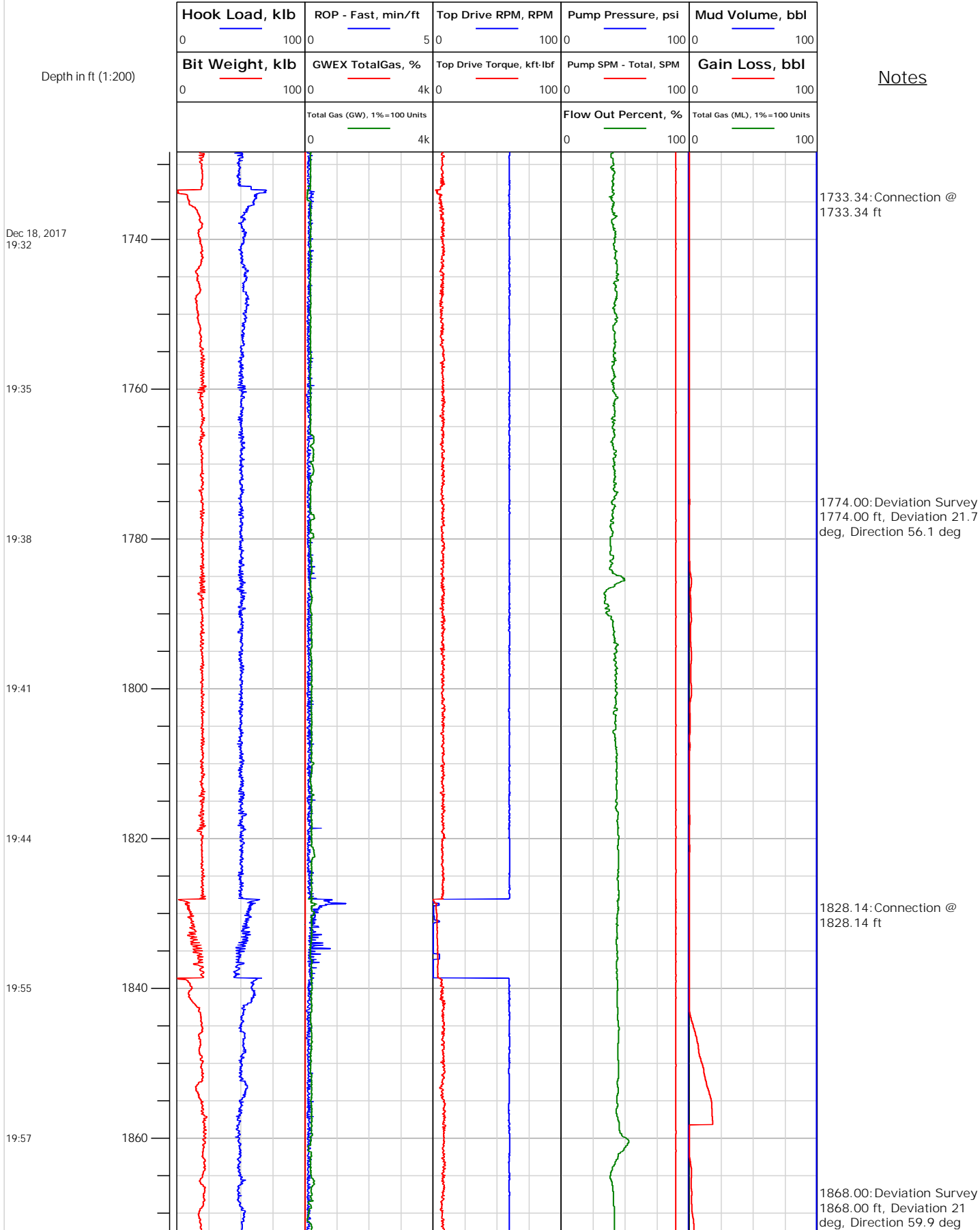
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





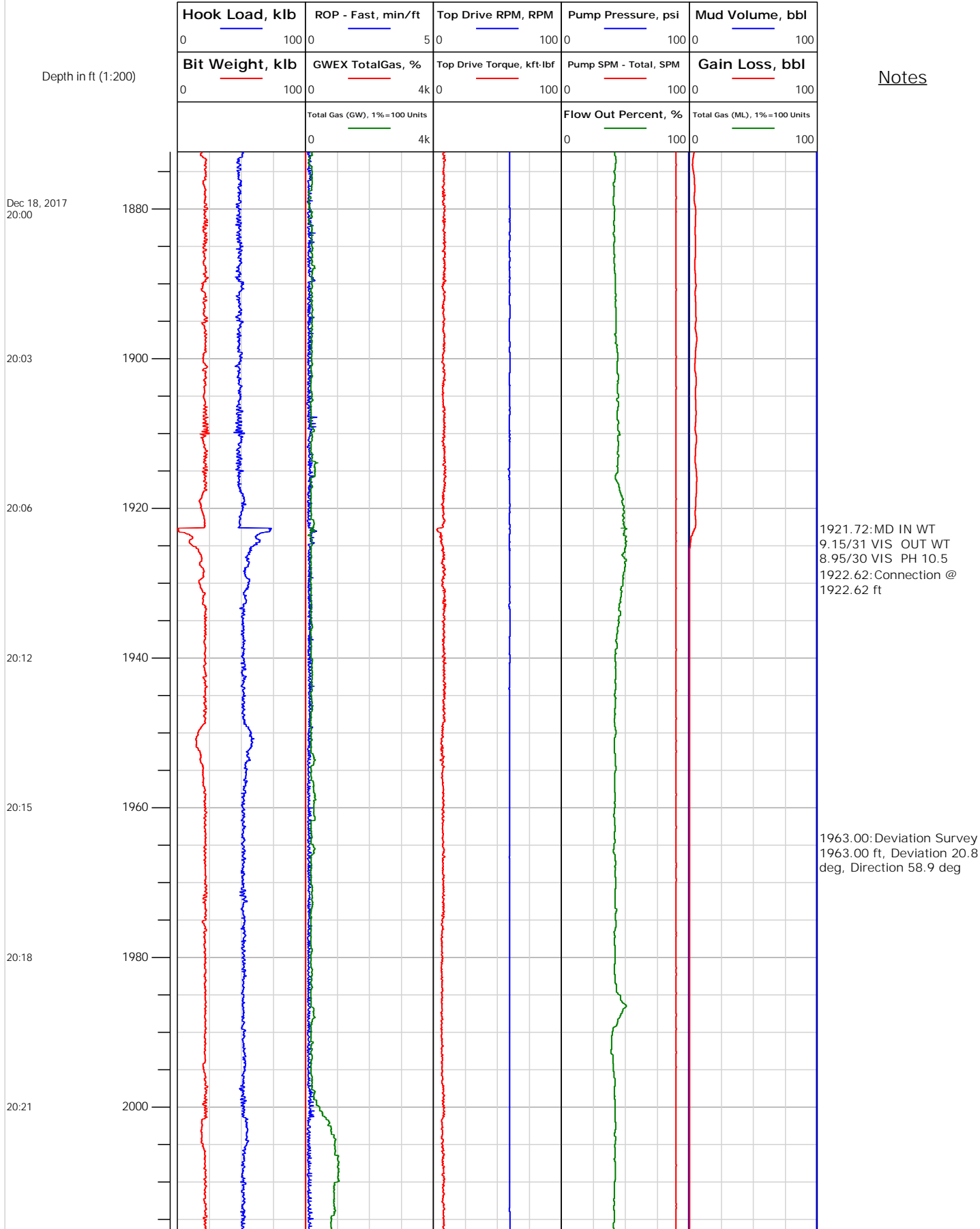
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





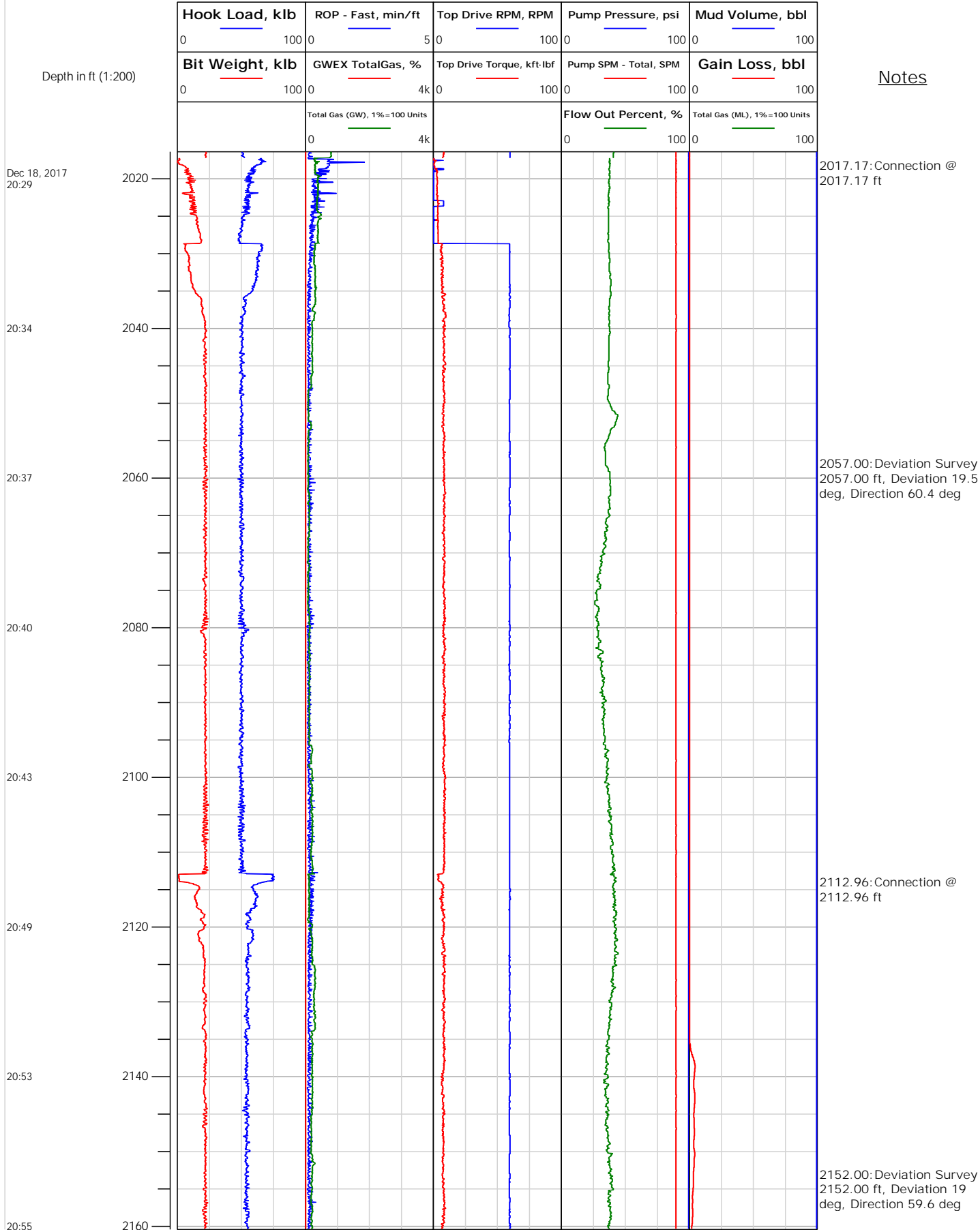
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





Electronic Drilling Recorder

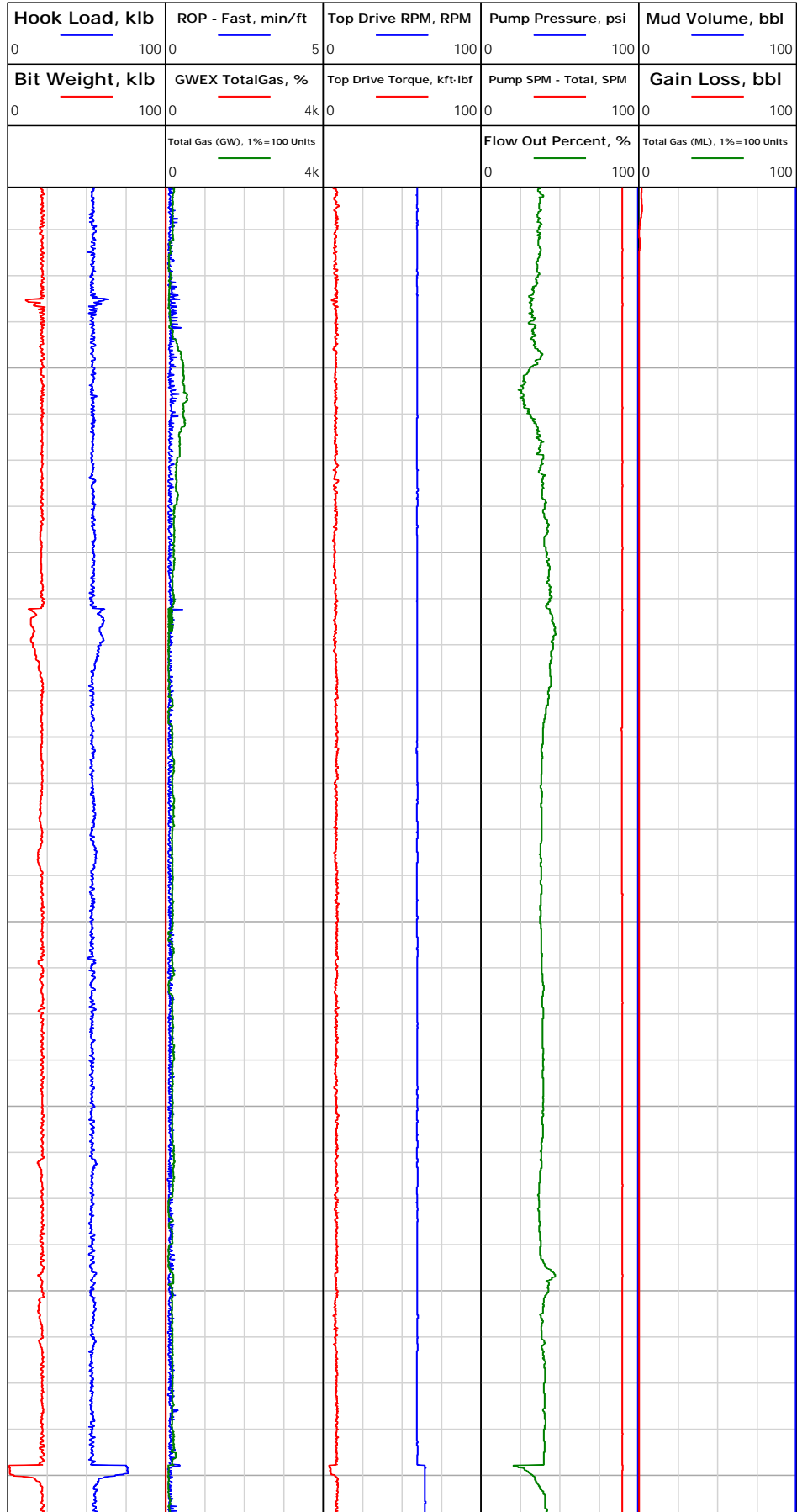
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes

Depth in ft (1:200)





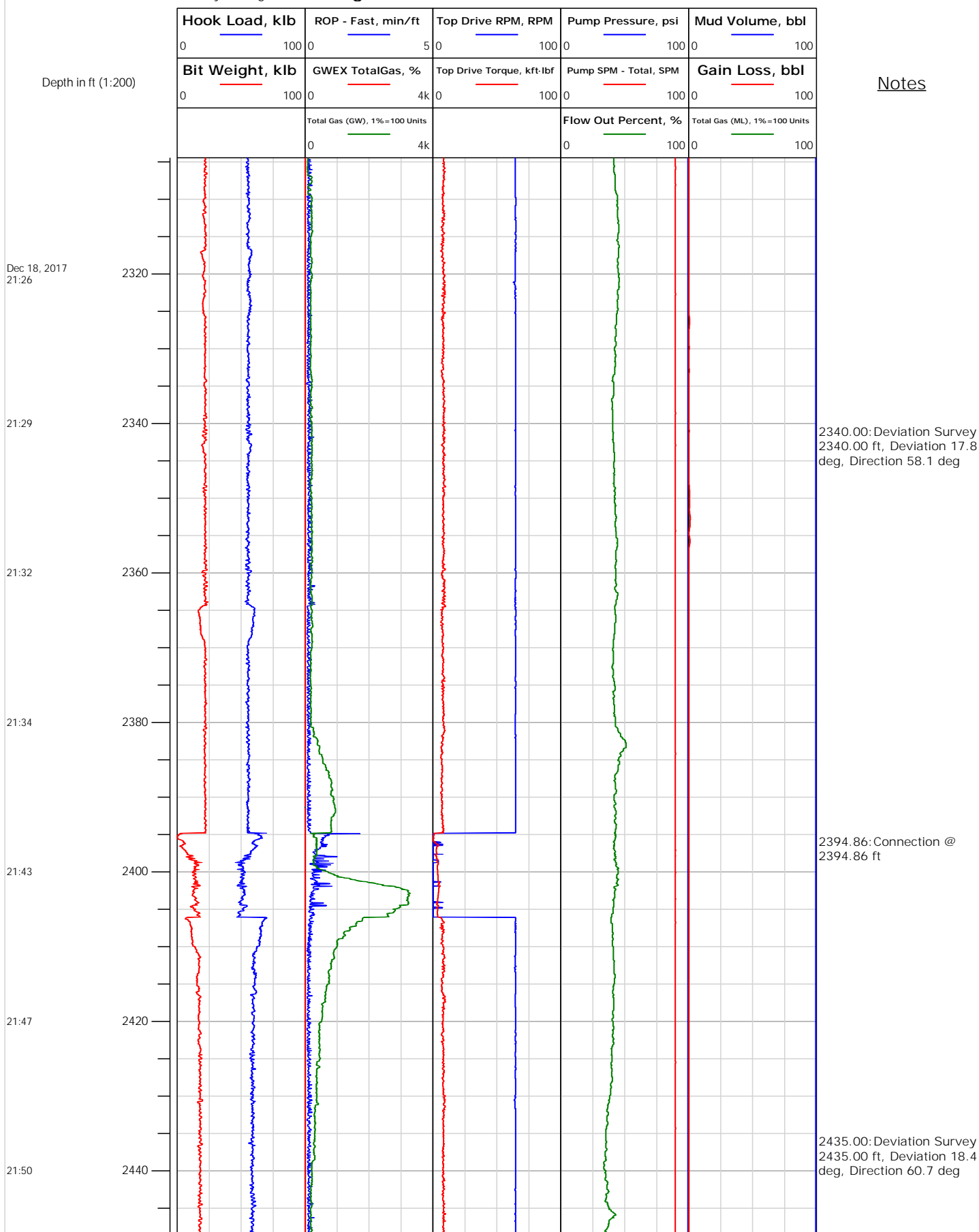
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





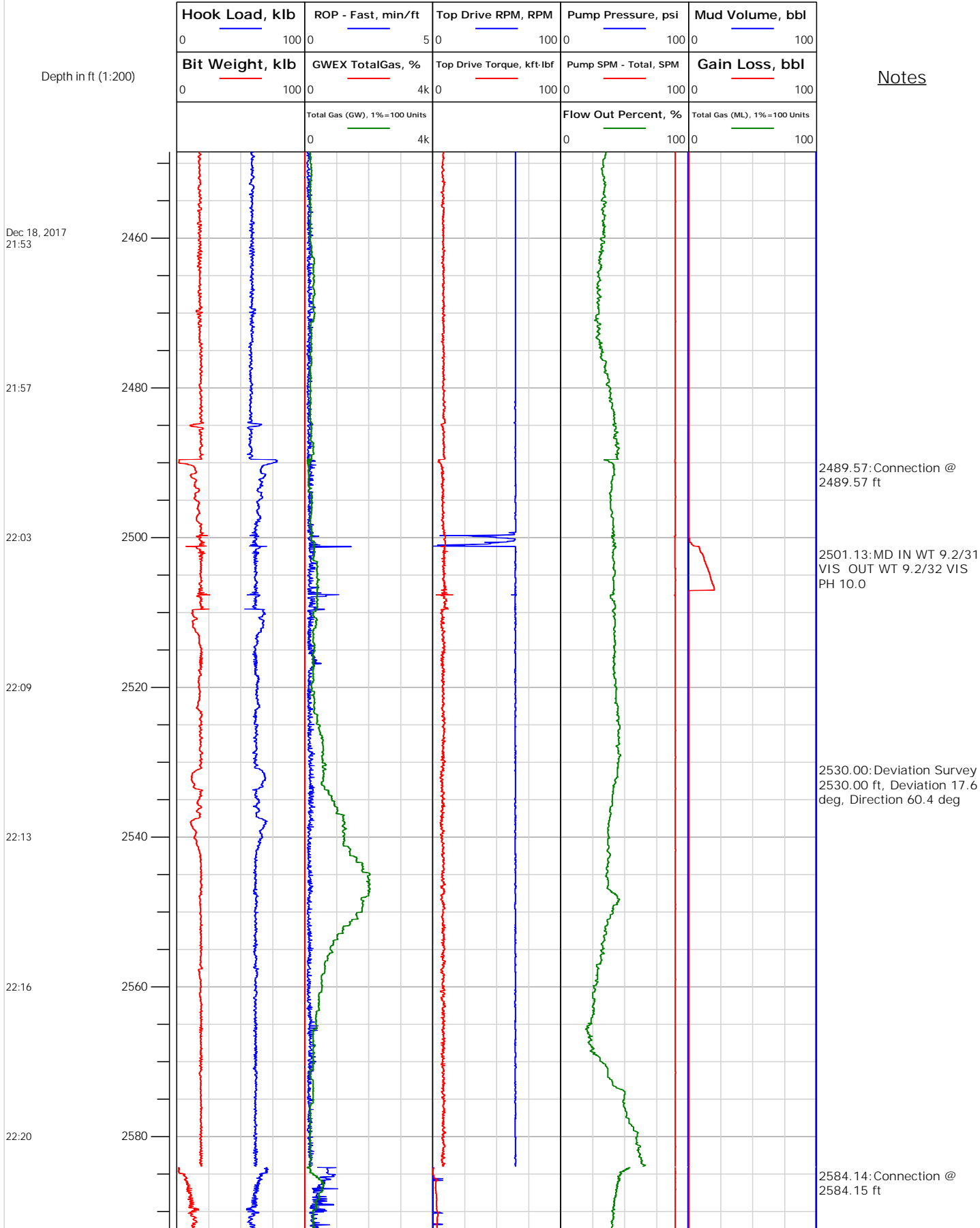
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





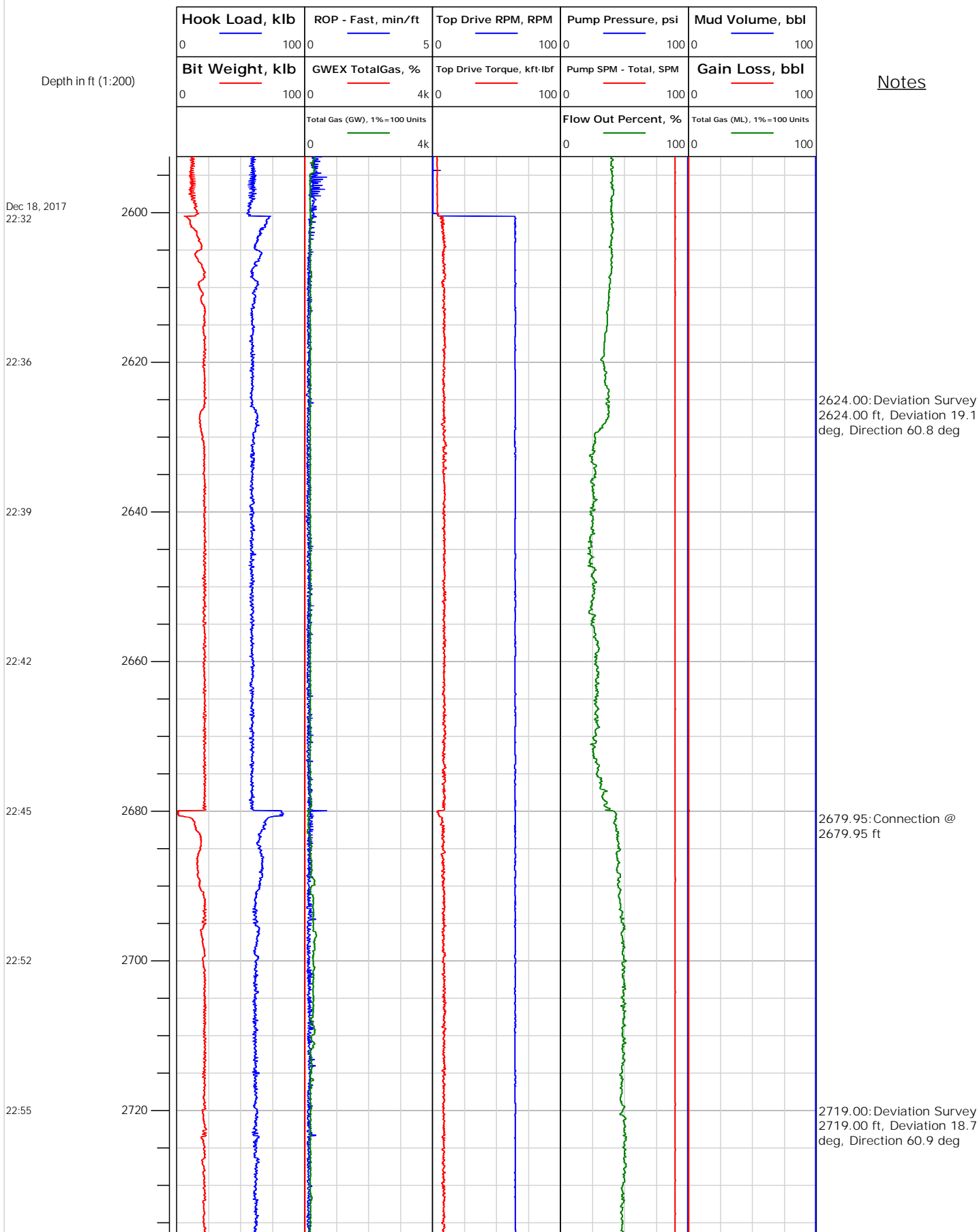
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





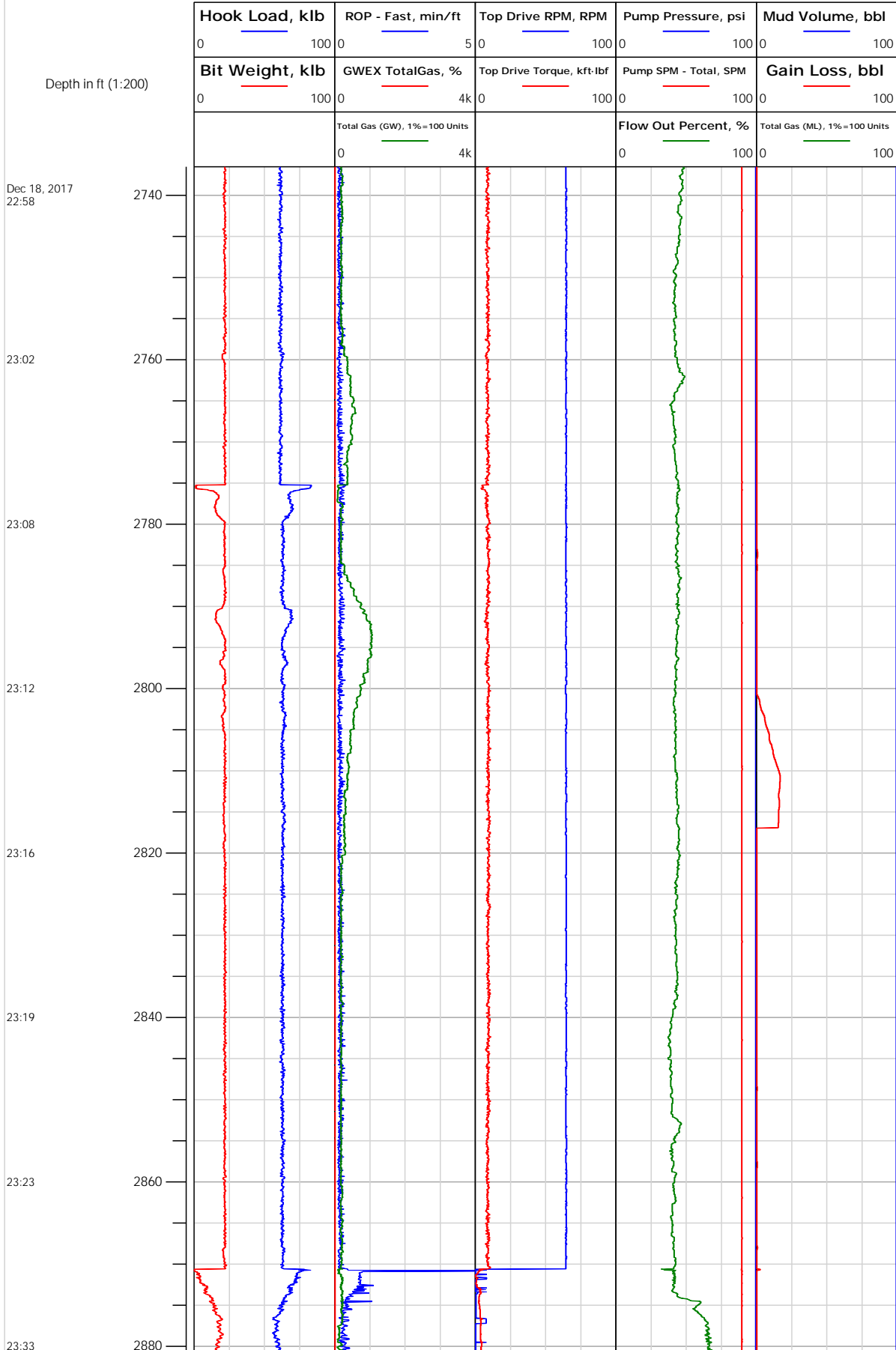
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes



2766.68: MD IN WT 9.3/30
 VIS OUT 9.3/32 VIS PH
 10.5

2775.20: Connection @
 2775.20 ft

2813.00: Deviation Survey
 2813.00 ft, Deviation 19.1
 deg, Direction 59.3 deg
 2813.00: Deviation Survey
 2813.00 ft, Deviation 18.4
 deg, Direction 61 deg

2870.71: Connection @
 2870.71 ft



Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Depth in ft (1:200)

Notes

Dec 18, 2017
23:39

23:43

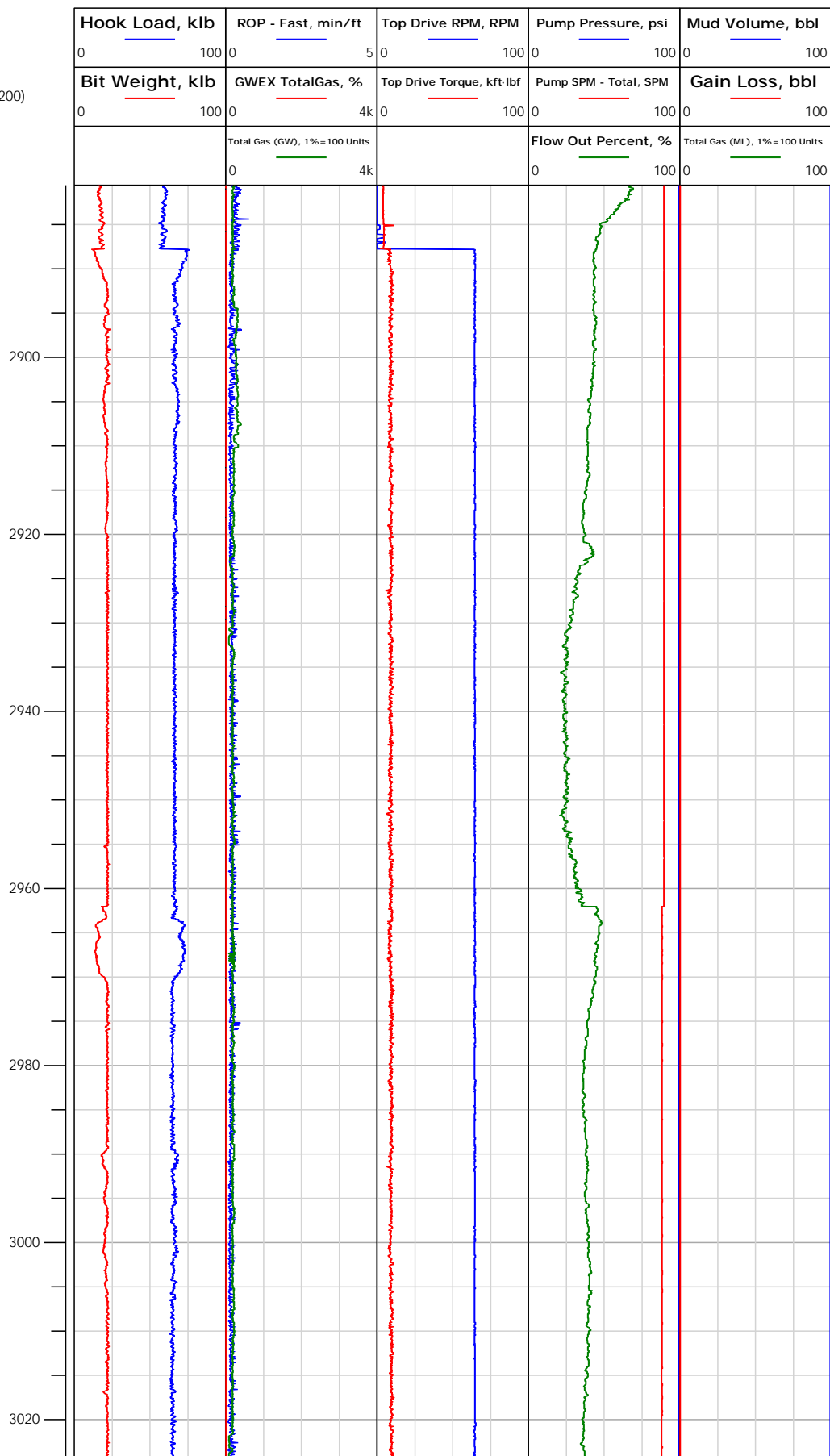
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23:51

Dec 19, 2017
00:04

00:07

00:11





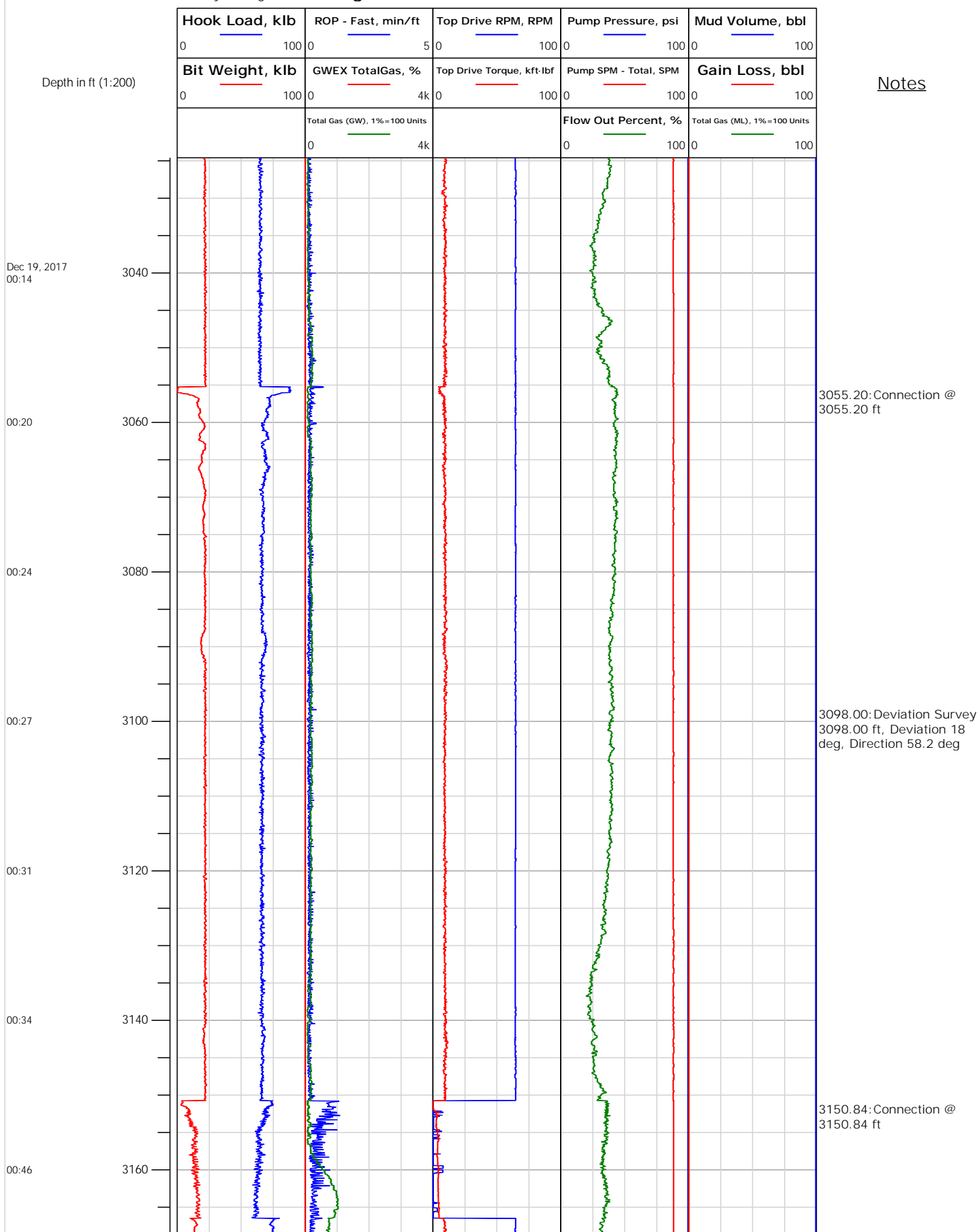
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





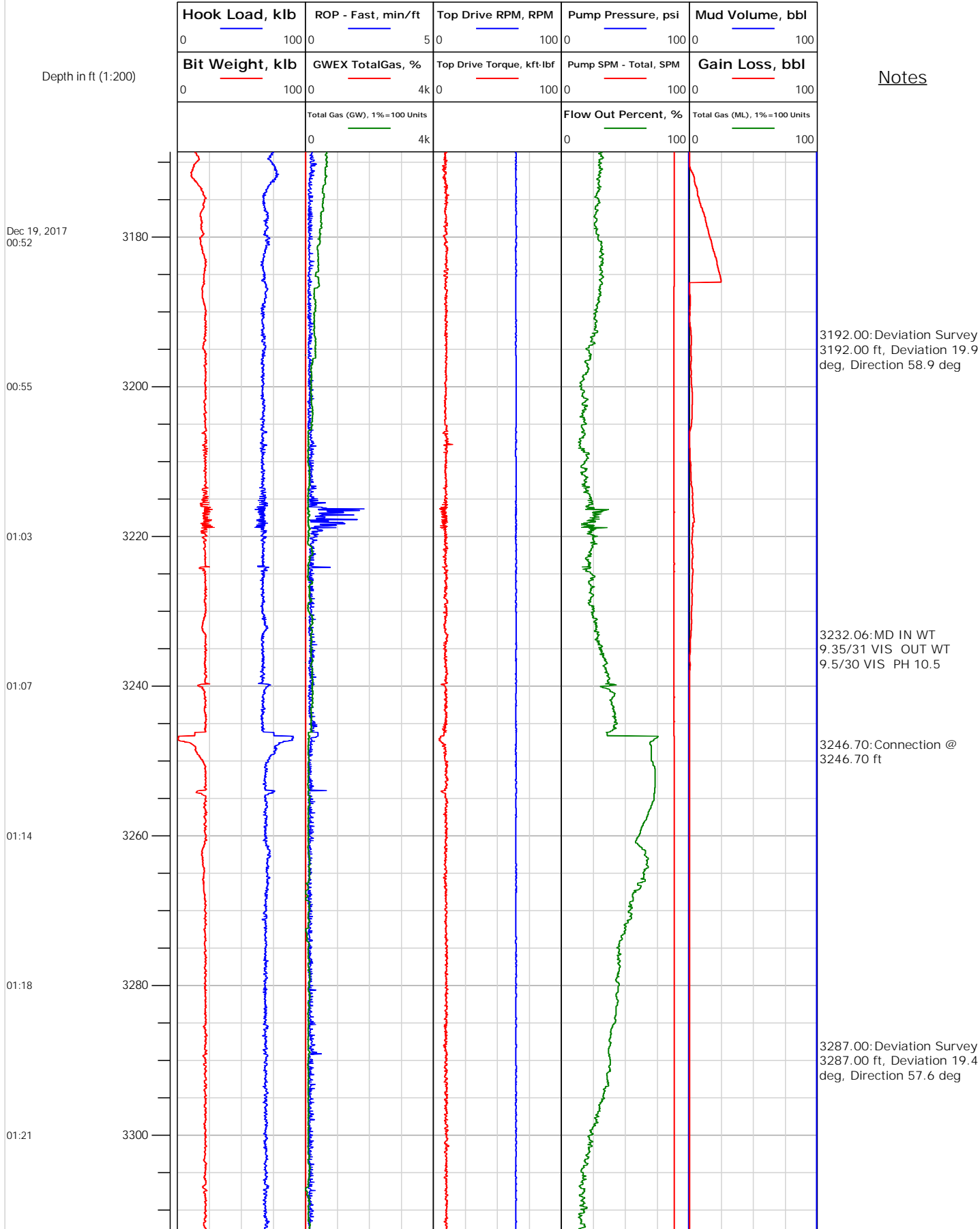
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Depth in ft (1:200)

Notes

Dec 19, 2017
01:25

01:28

01:36

01:39

01:43

01:47

01:54

3320

3340

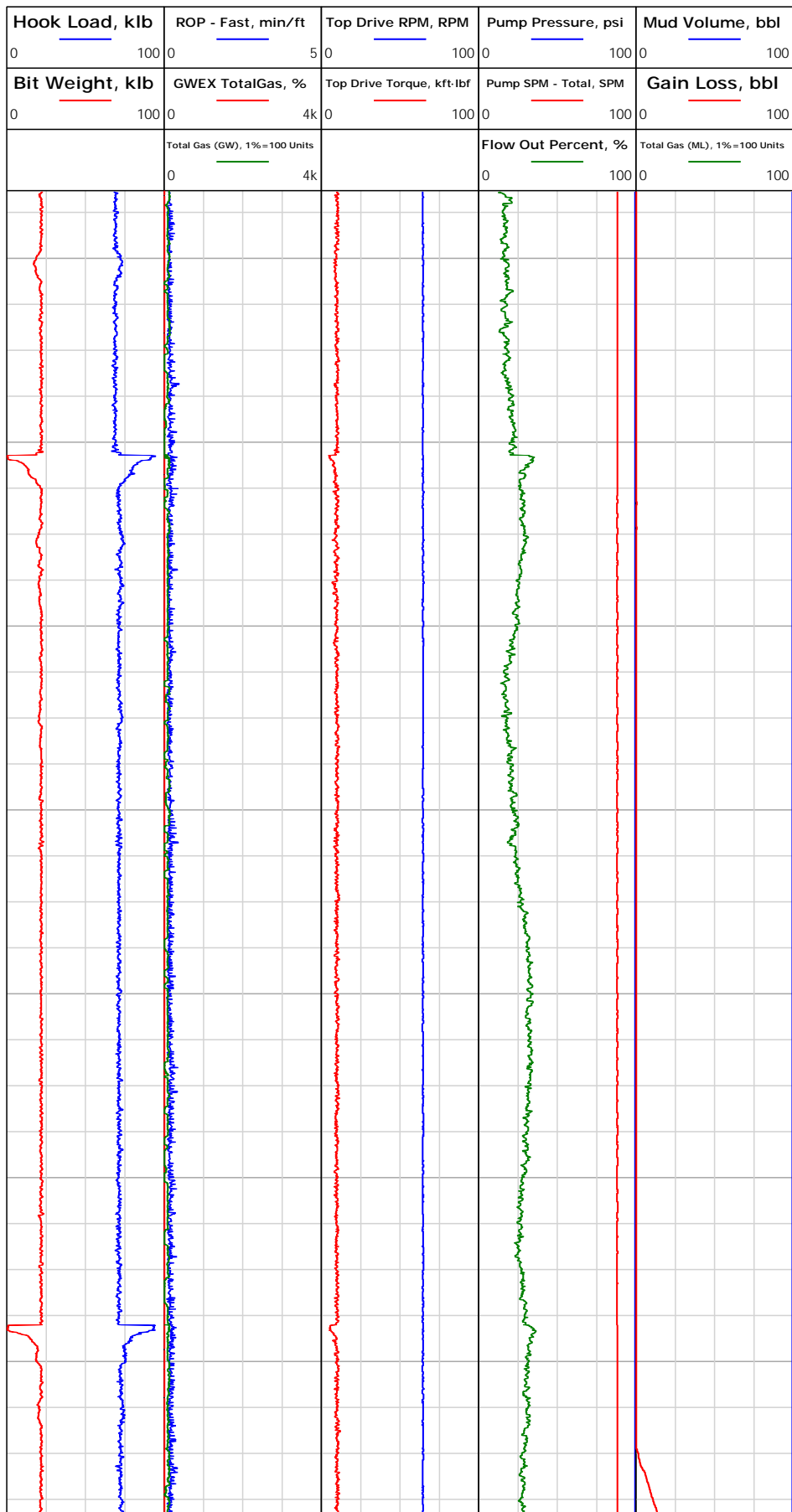
3360

3380

3400

3420

3440



3341.34: Connection @
3341.34 ft

3382.00: Deviation Survey
3382.00 ft, Deviation 18.4
deg, Direction 57.5 deg

3436.13: Connection @
3436.13 ft



Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes

Dec 19, 2017
01:58

02:02

02:09

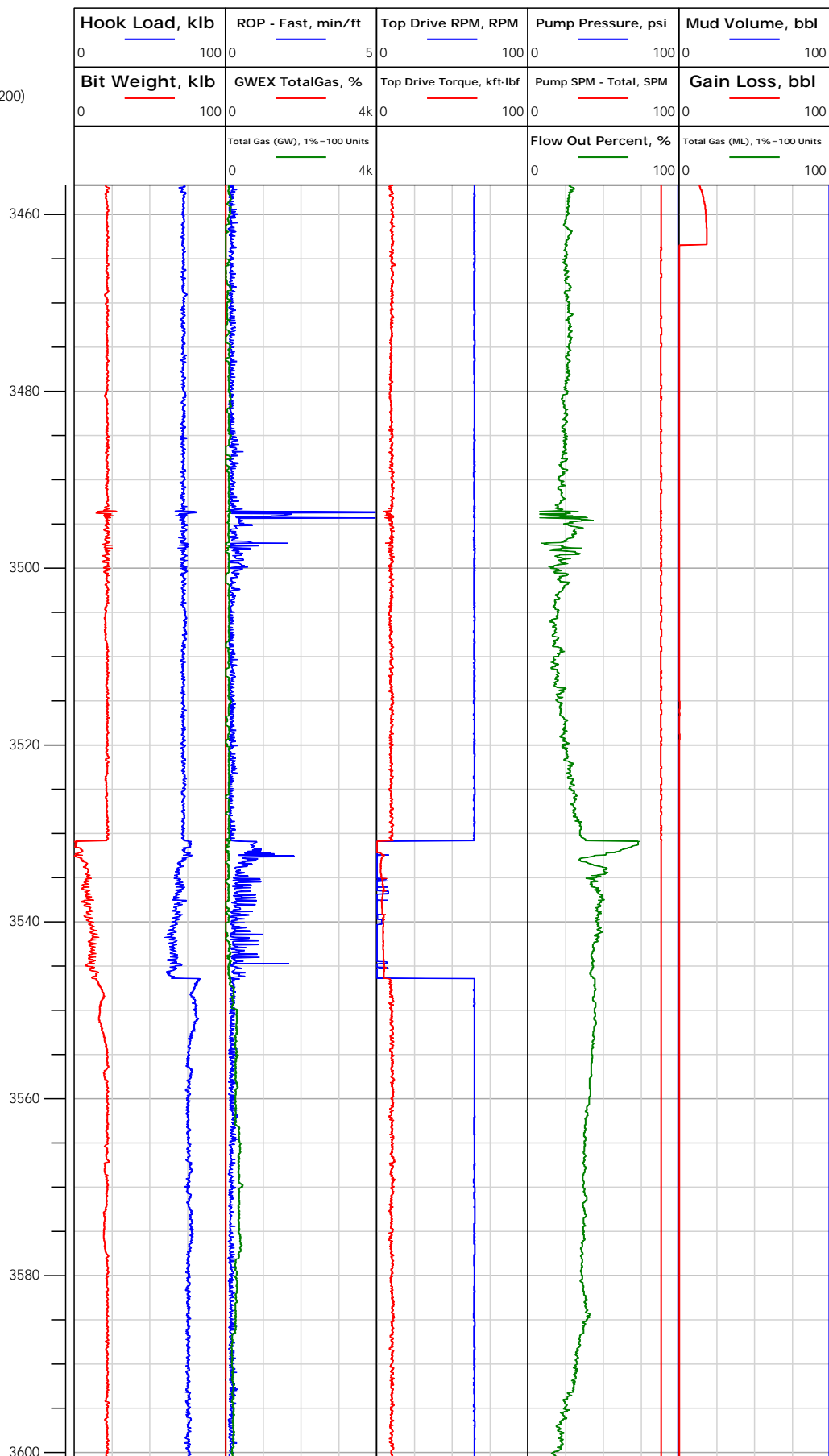
02:13

02:24

02:30

02:34

02:38



3475.99: Deviation Survey
 3476.00 ft, Deviation 18.5
 deg, Direction 57 deg

3530.92: Connection @
 3530.92 ft

3571.00: Deviation Survey
 3571.00 ft, Deviation 19.5
 deg, Direction 60.3 deg



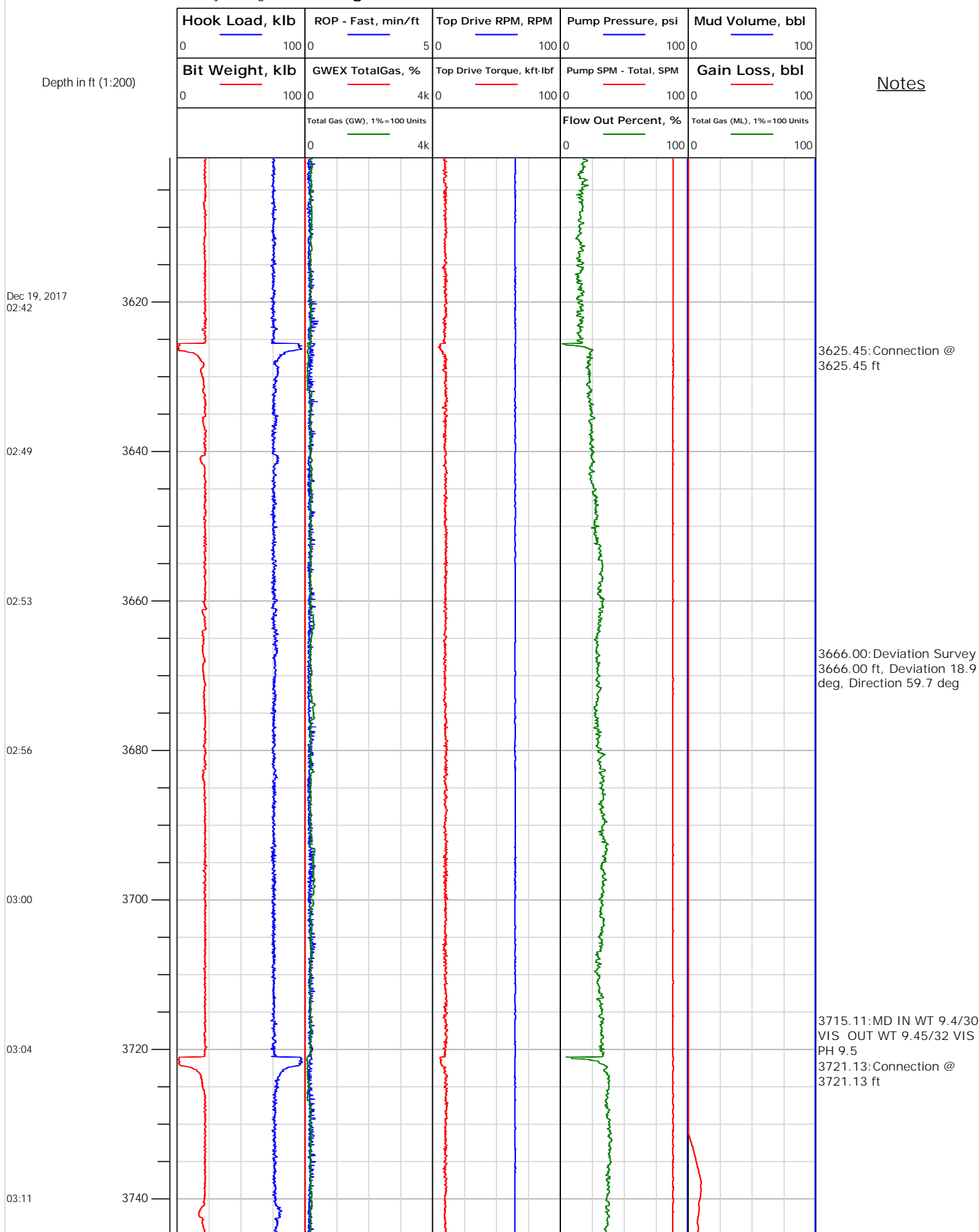
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





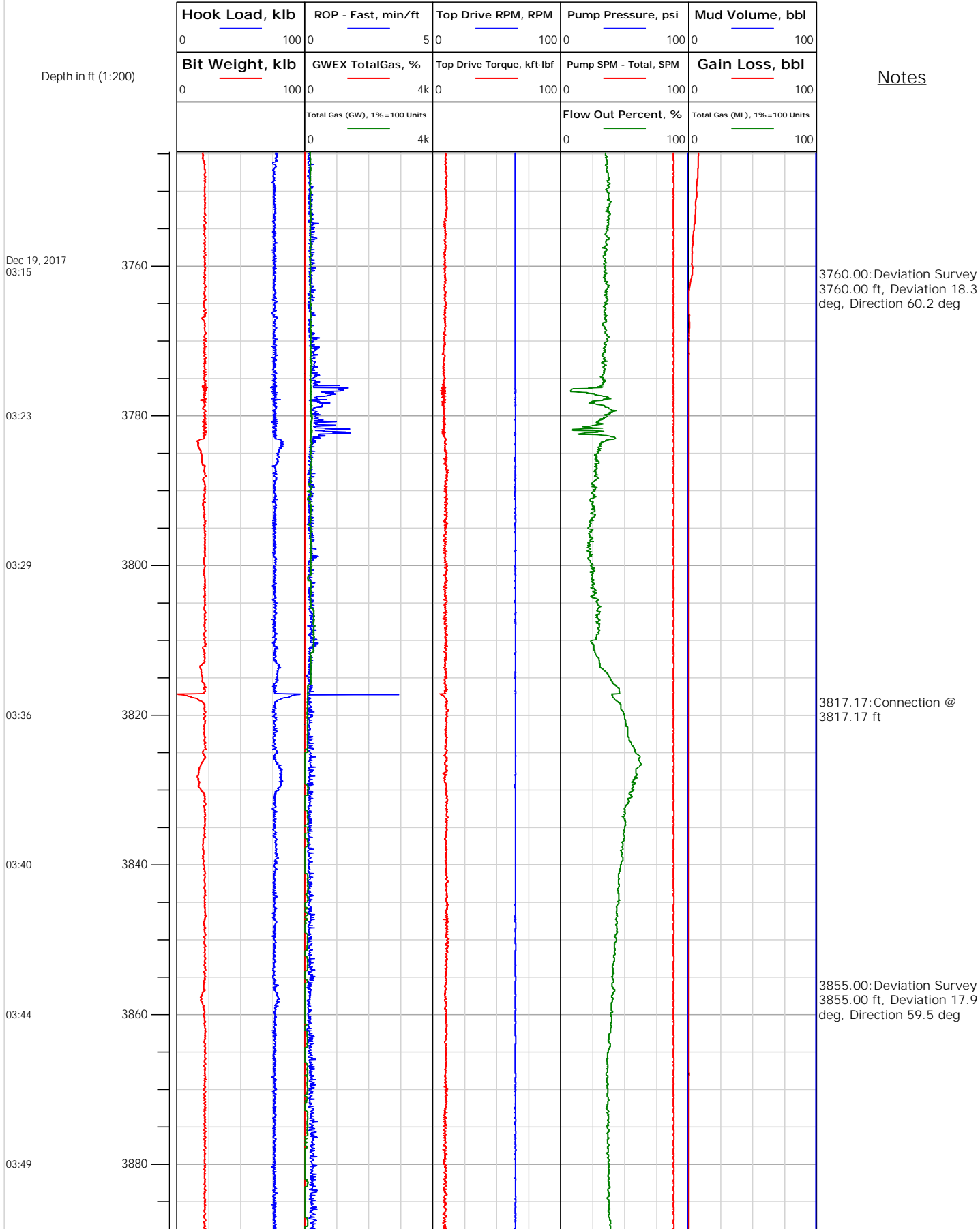
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





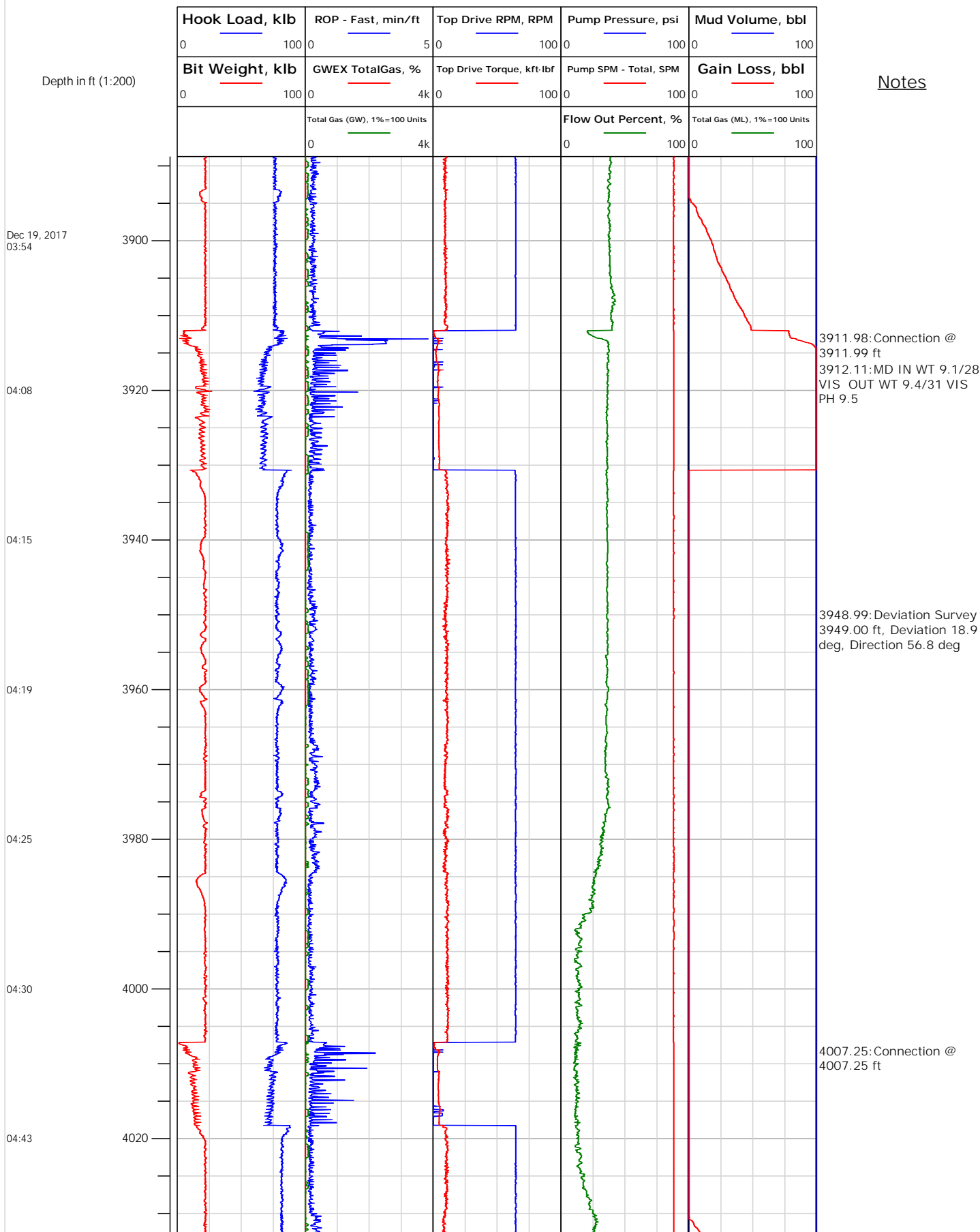
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





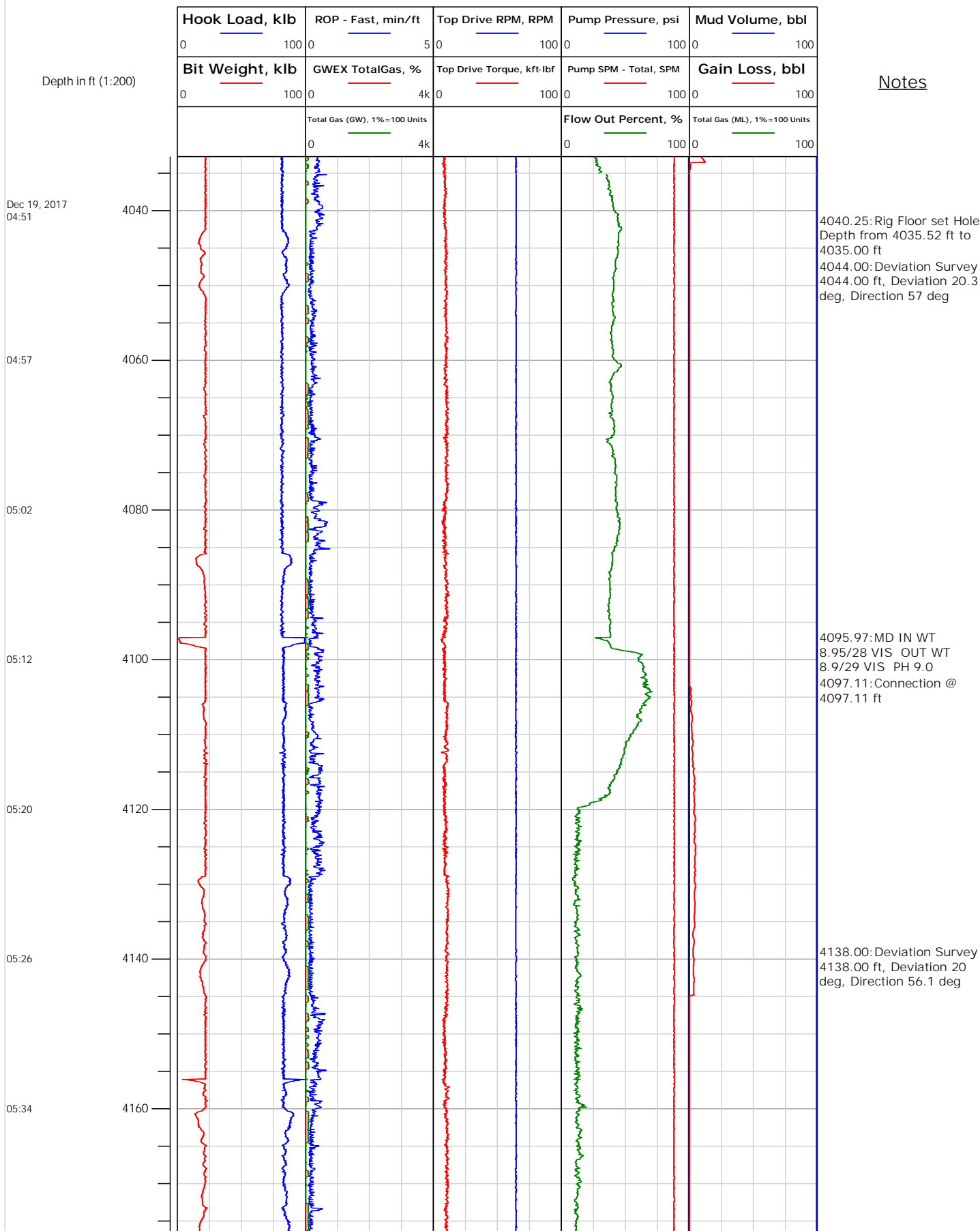
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





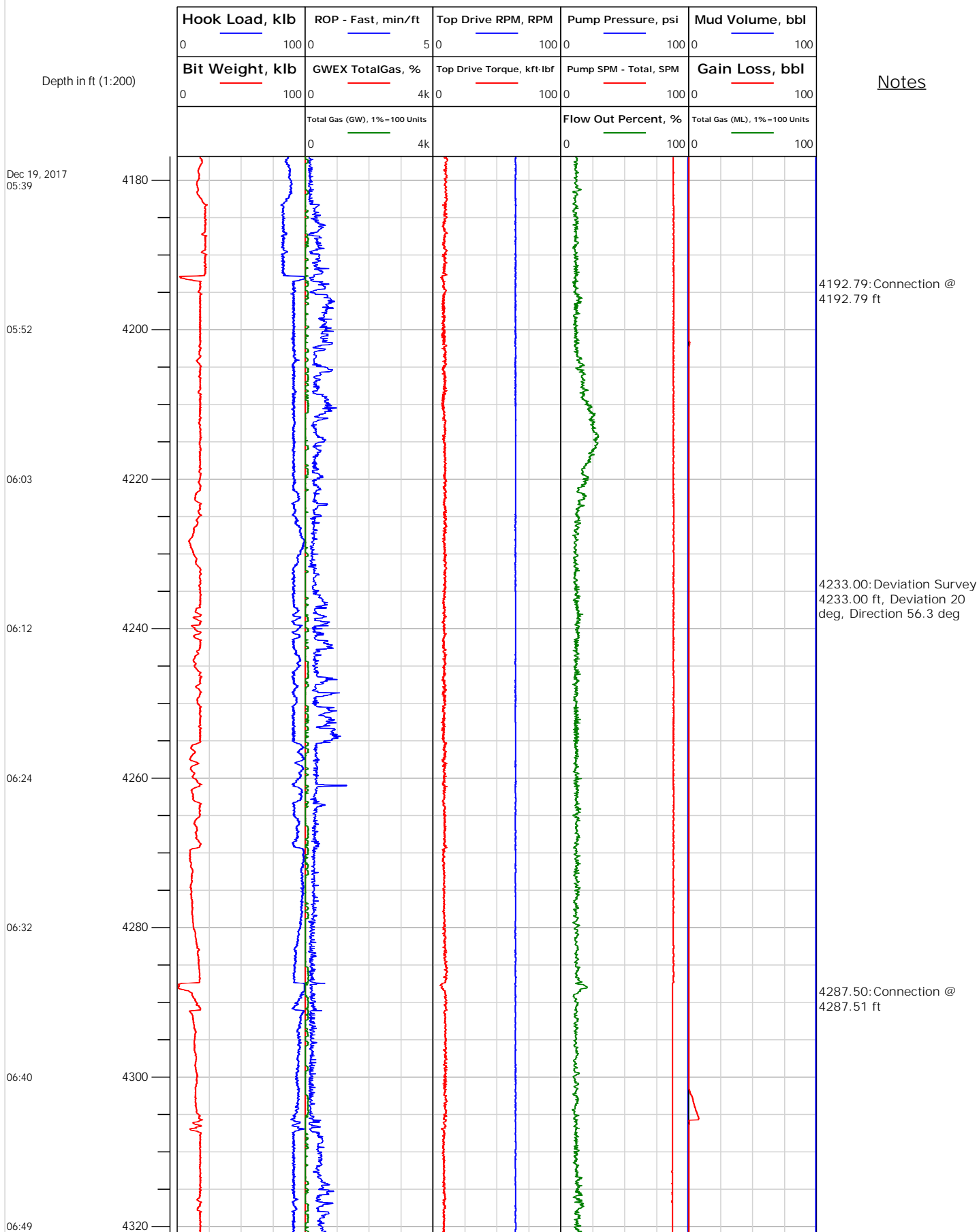
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





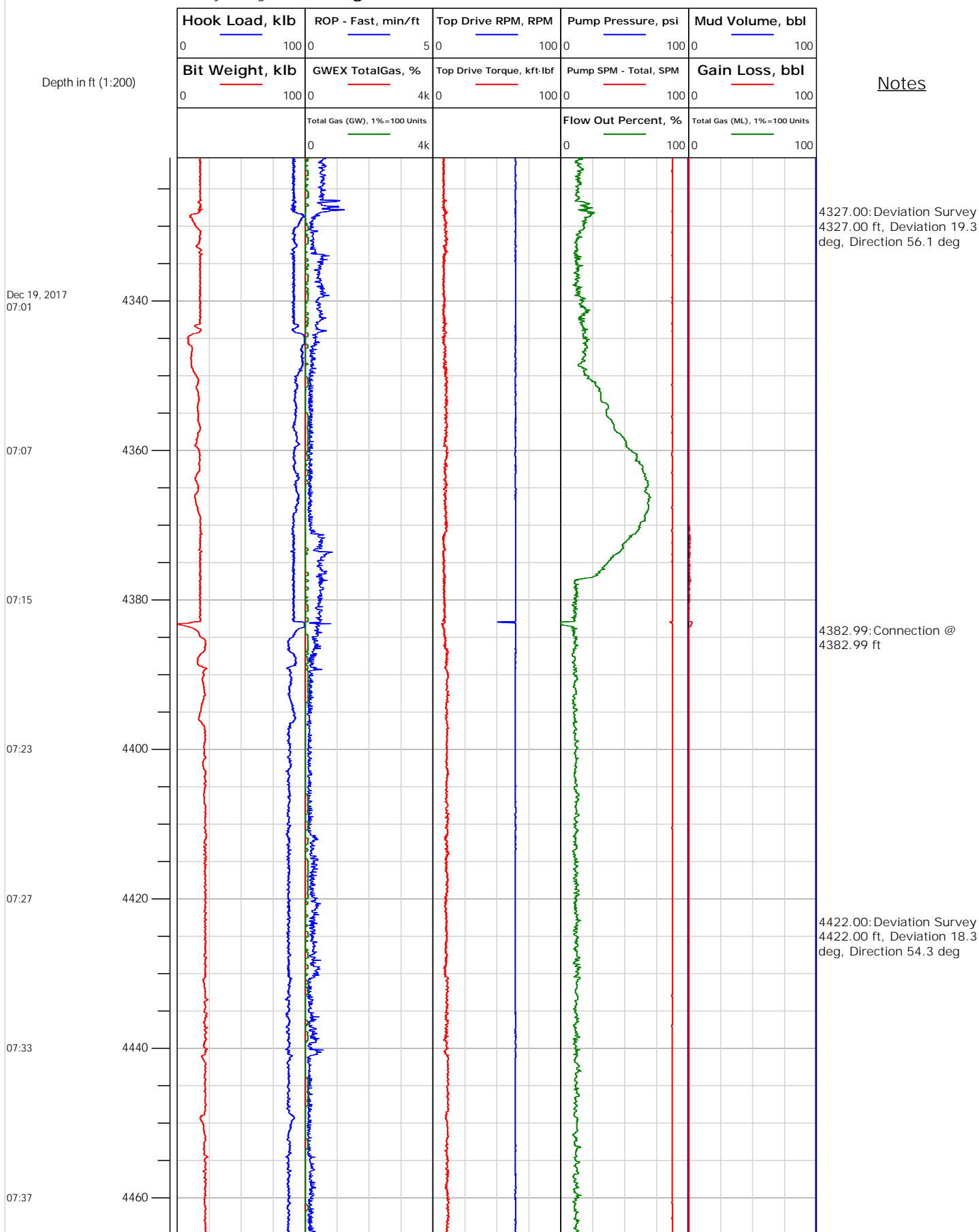
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





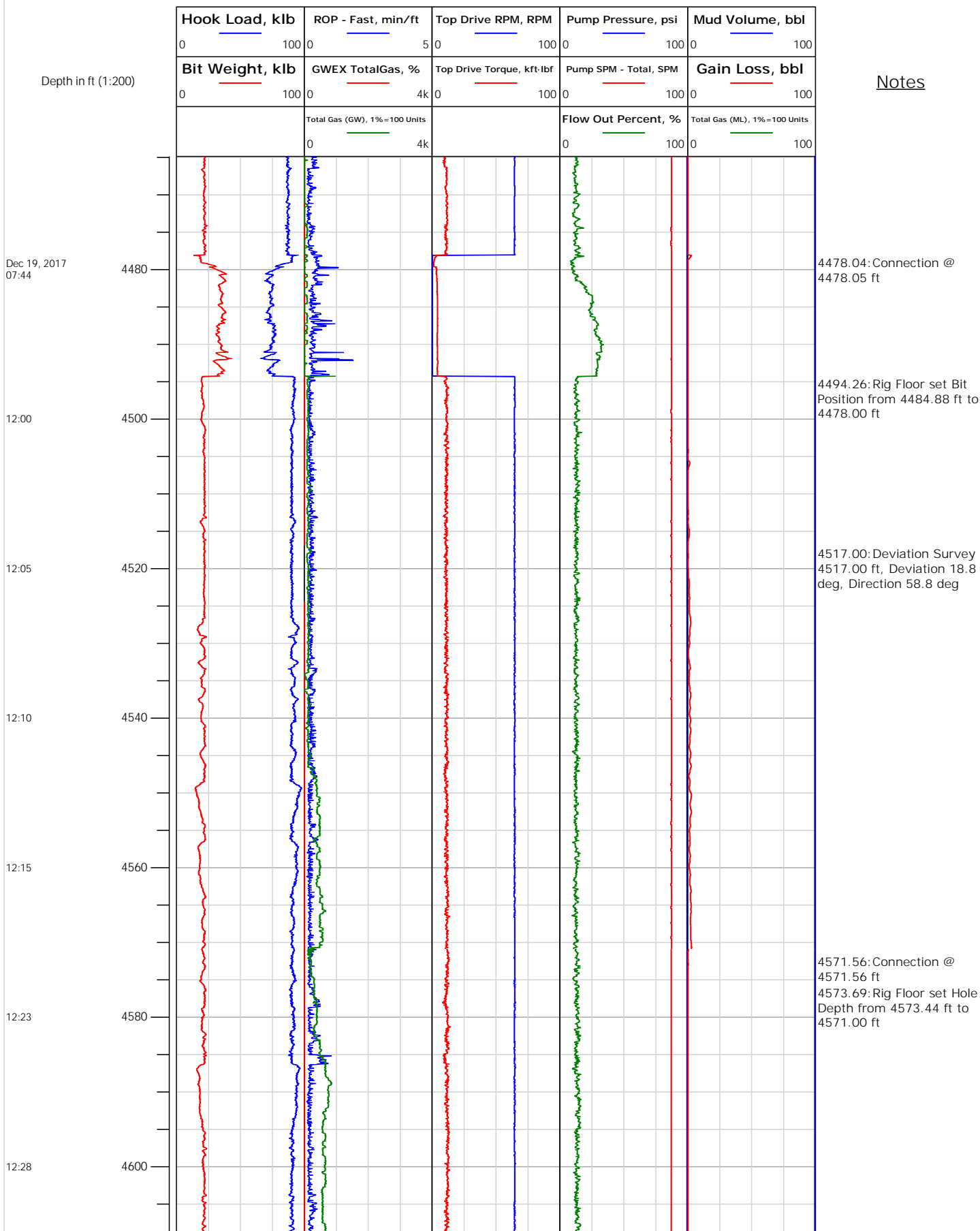
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





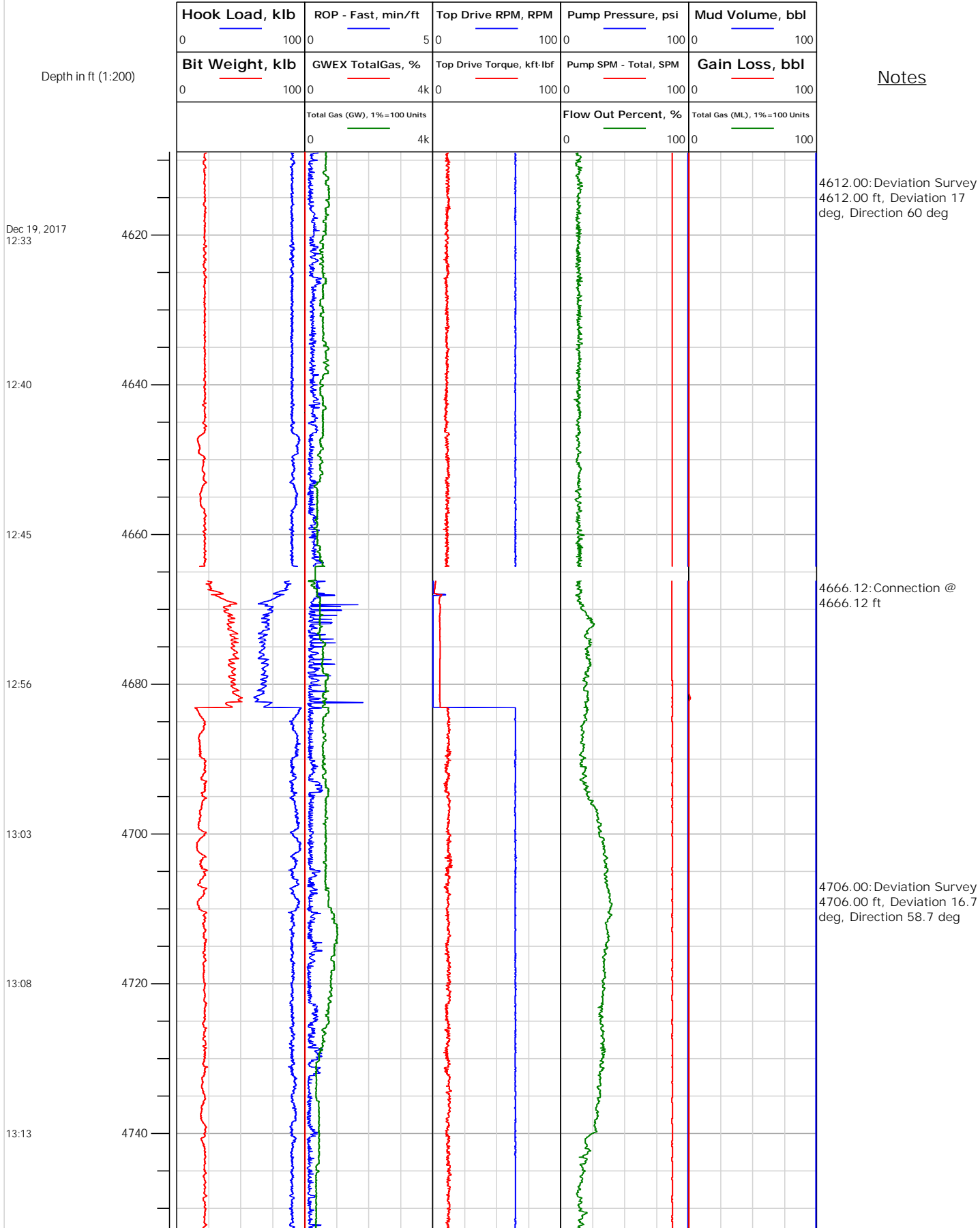
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





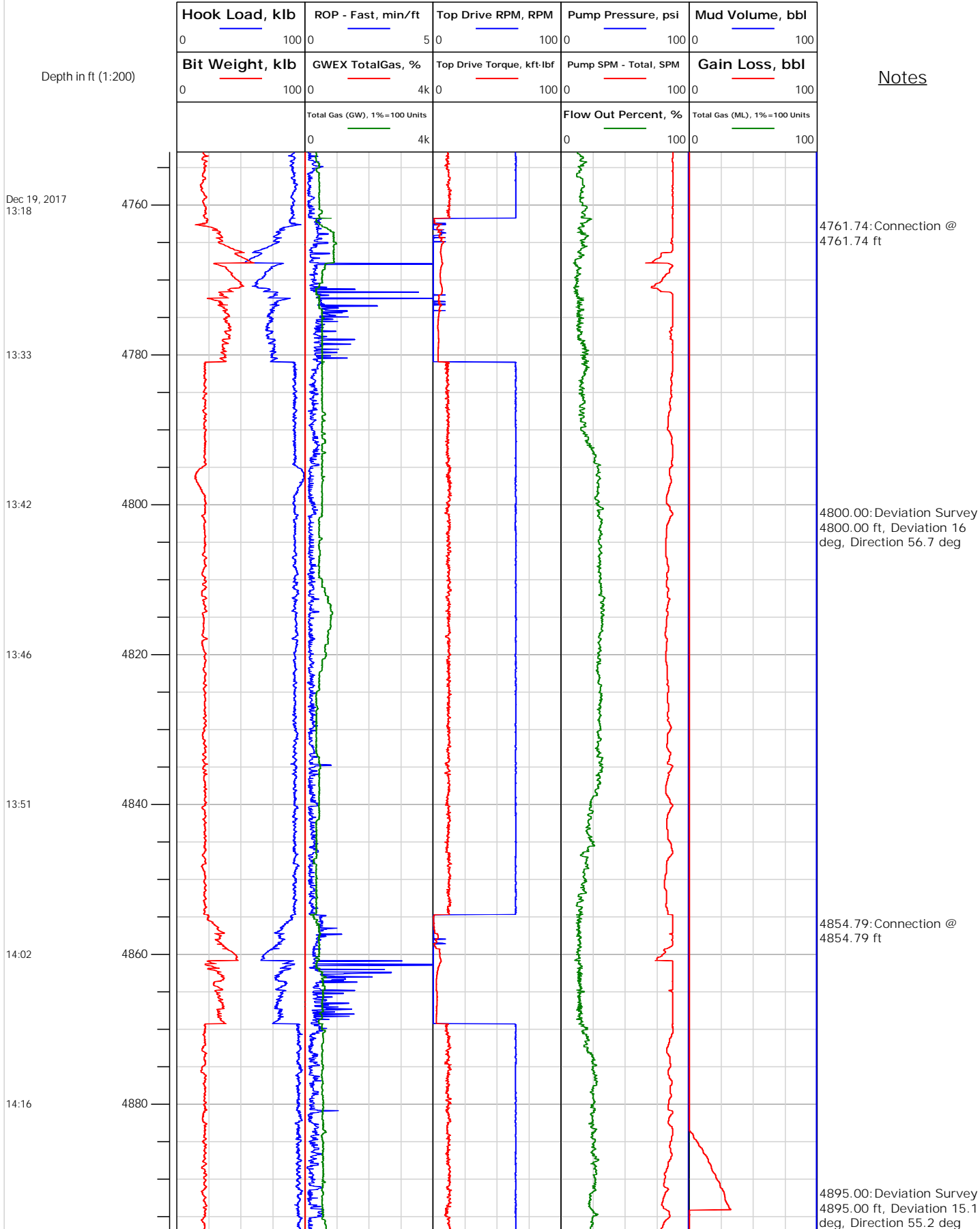
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





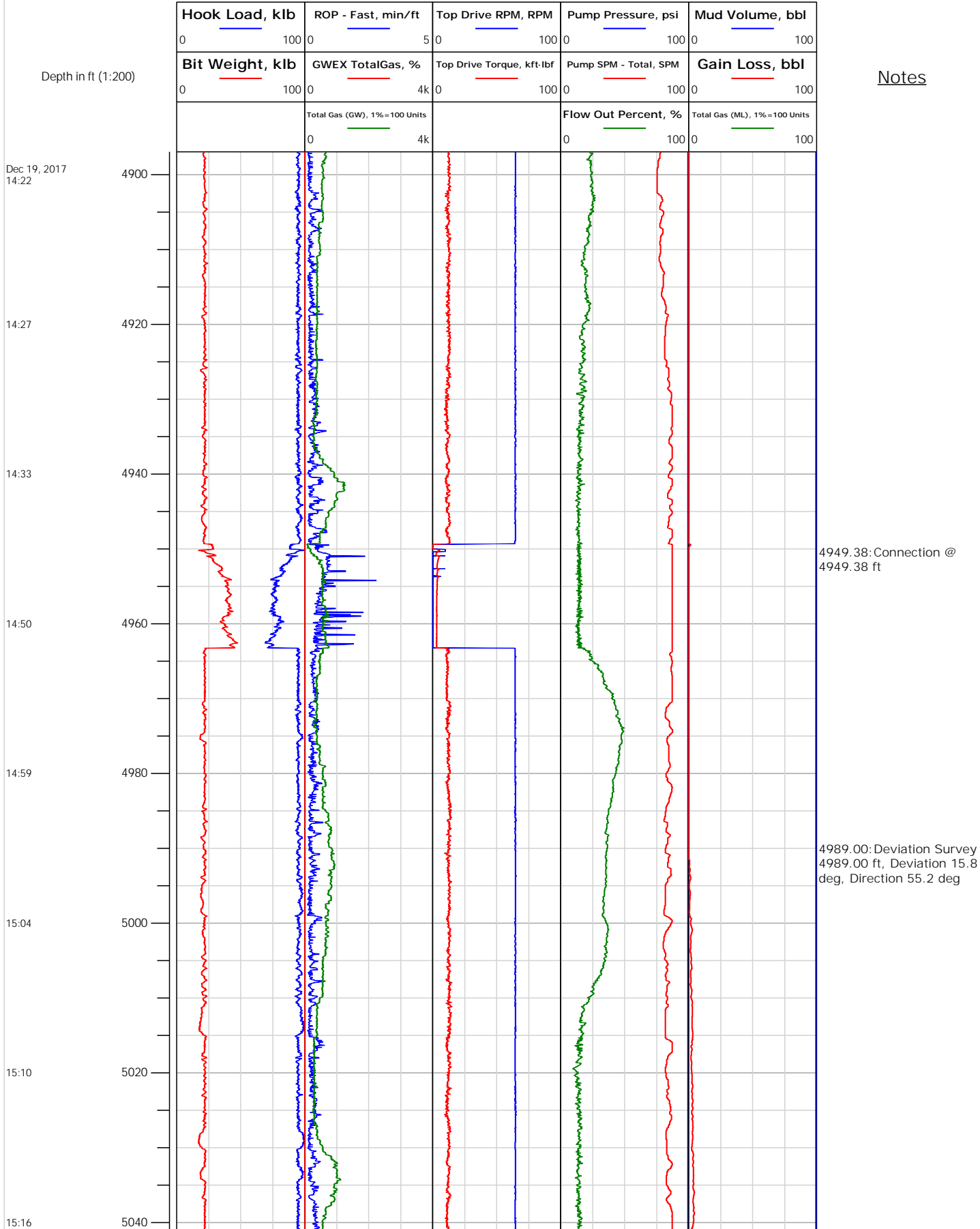
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Depth in ft (1:200)

Notes

Dec 19, 2017
15:25

15:31

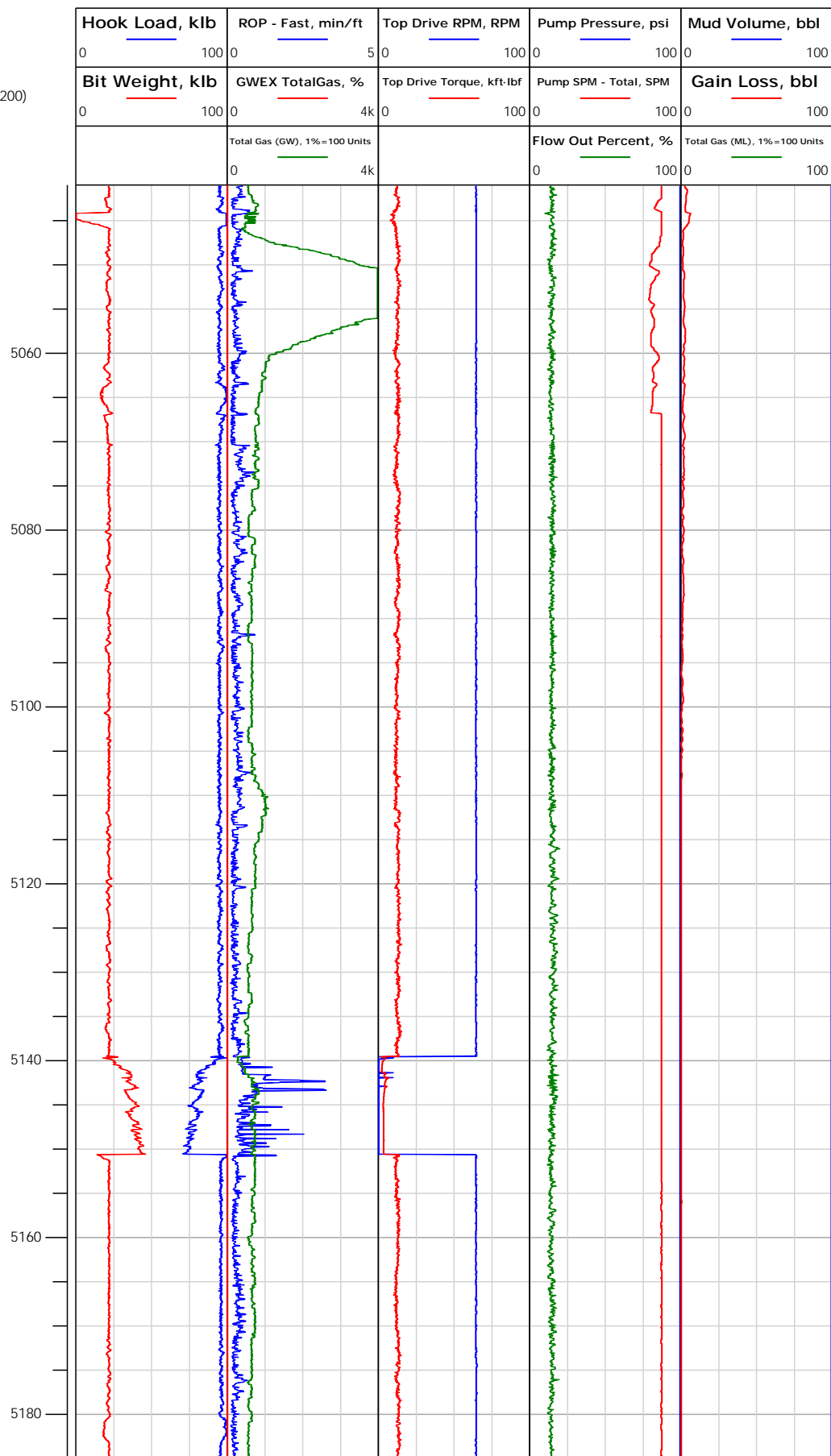
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15:51

16:04

16:10





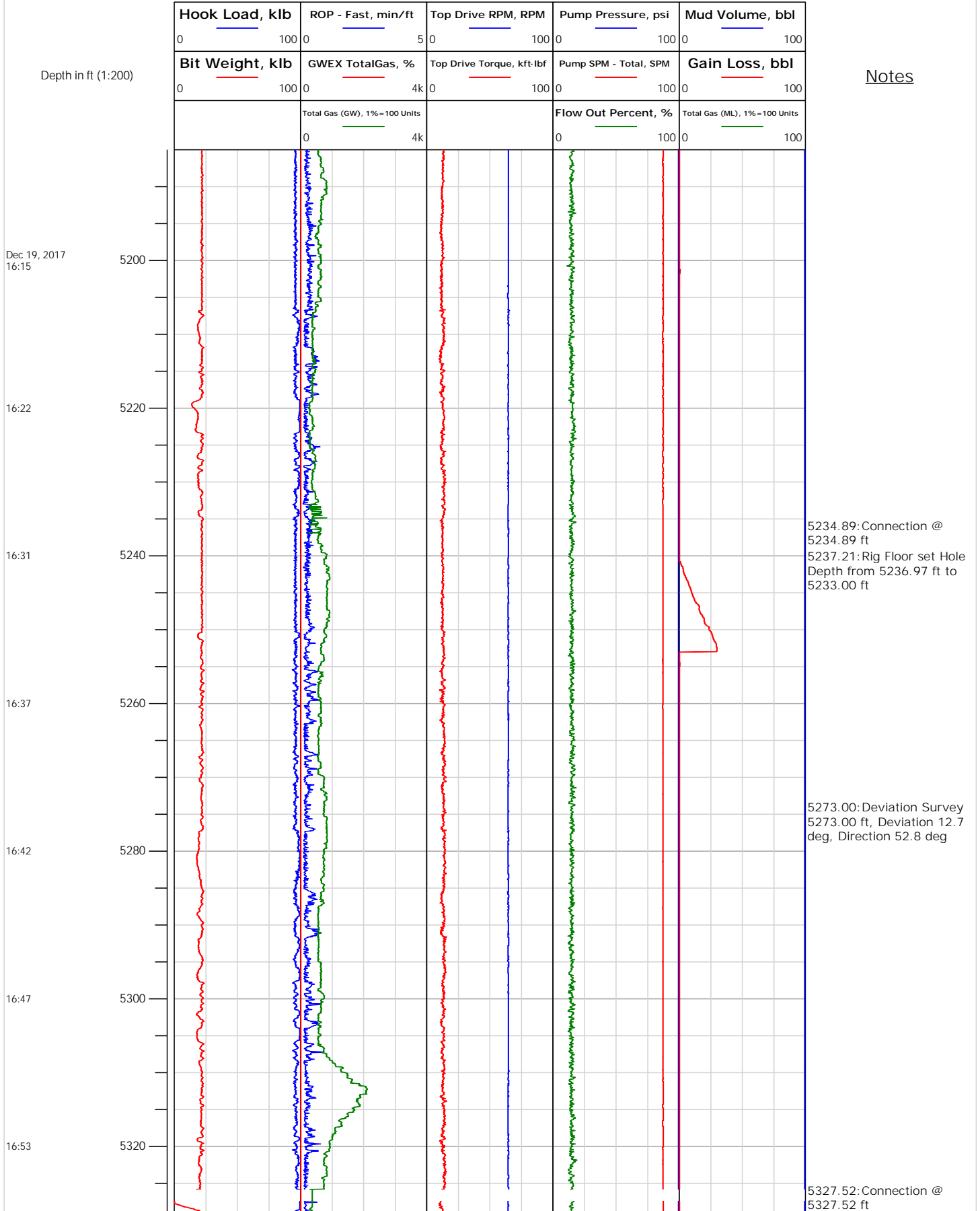
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





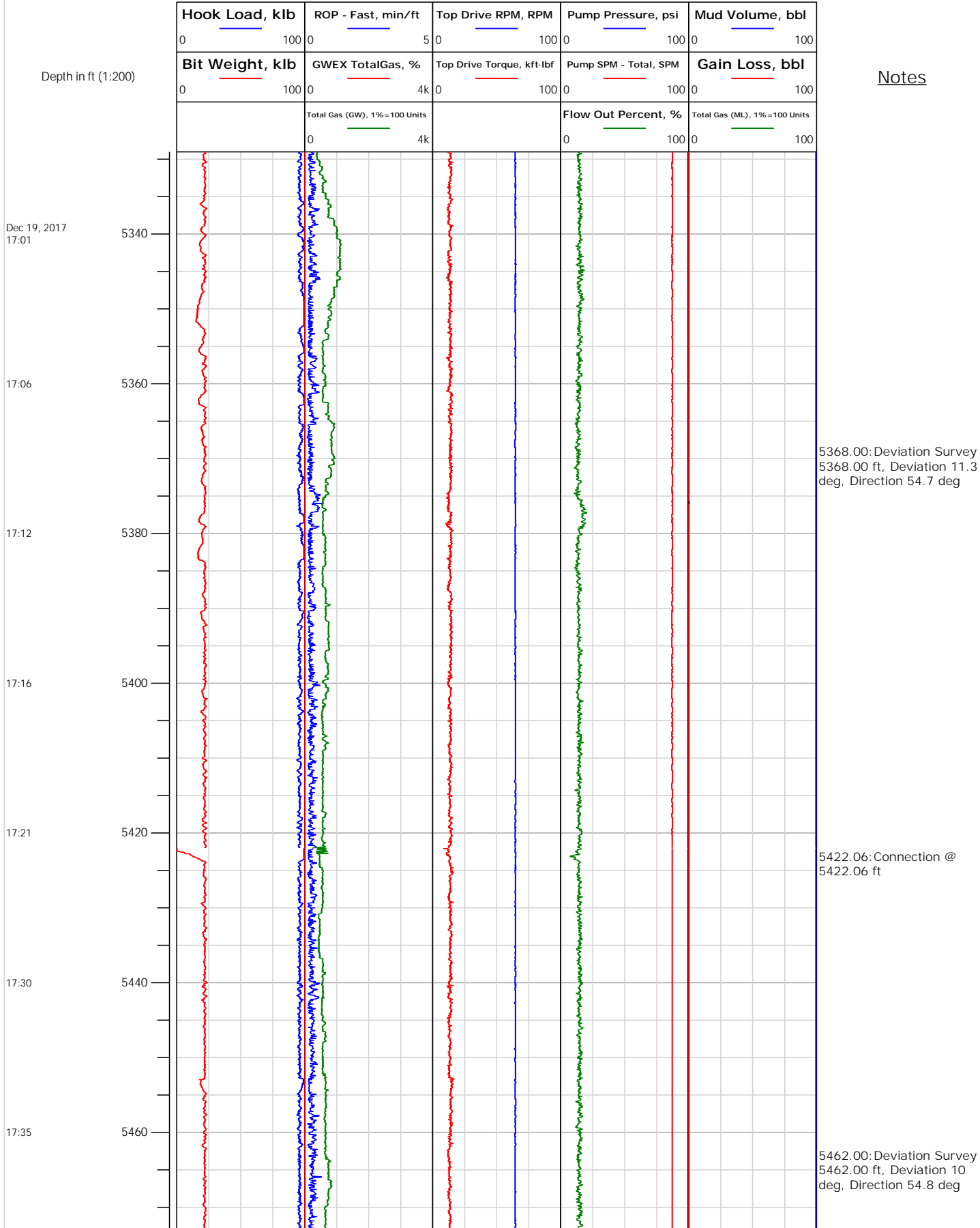
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





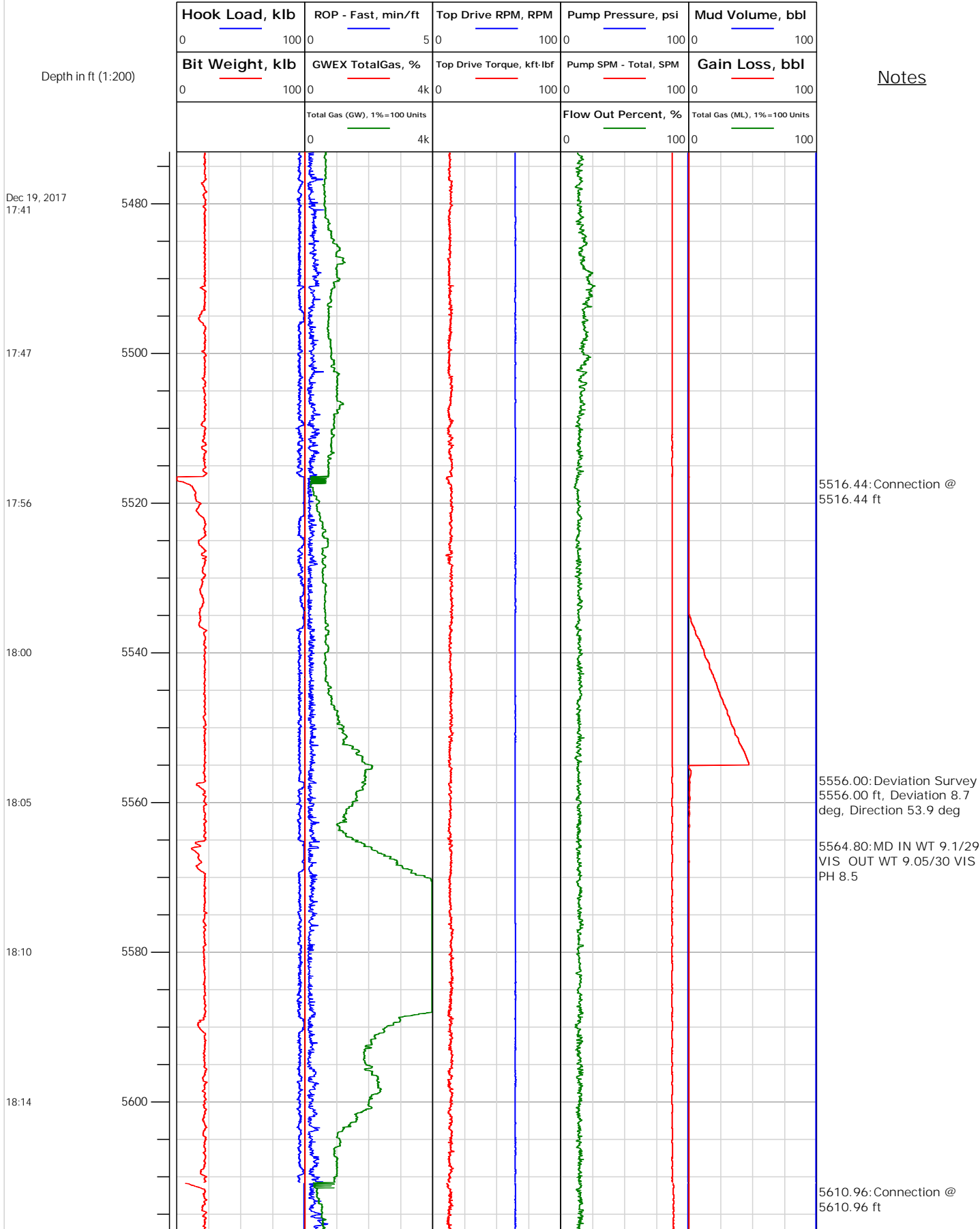
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





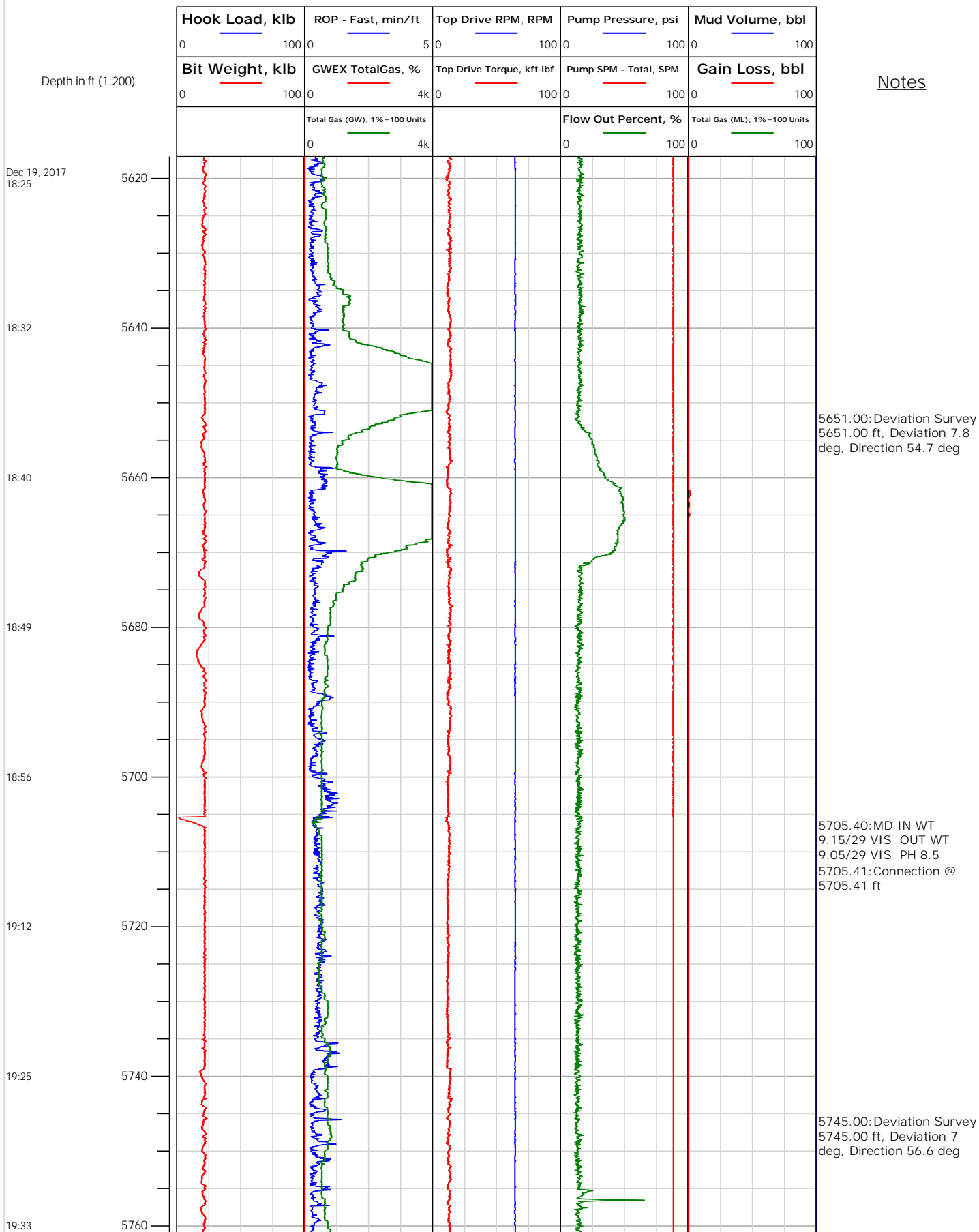
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





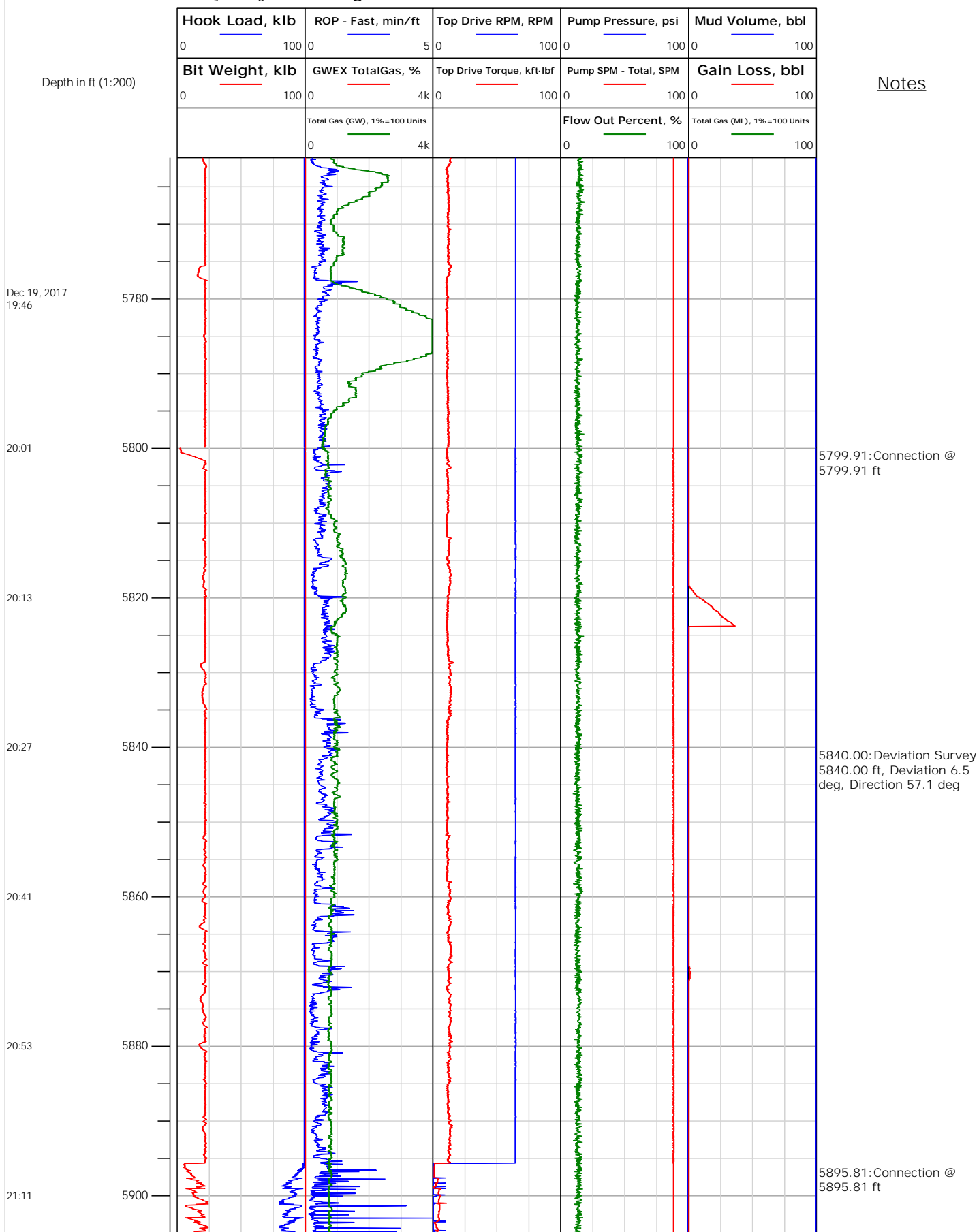
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





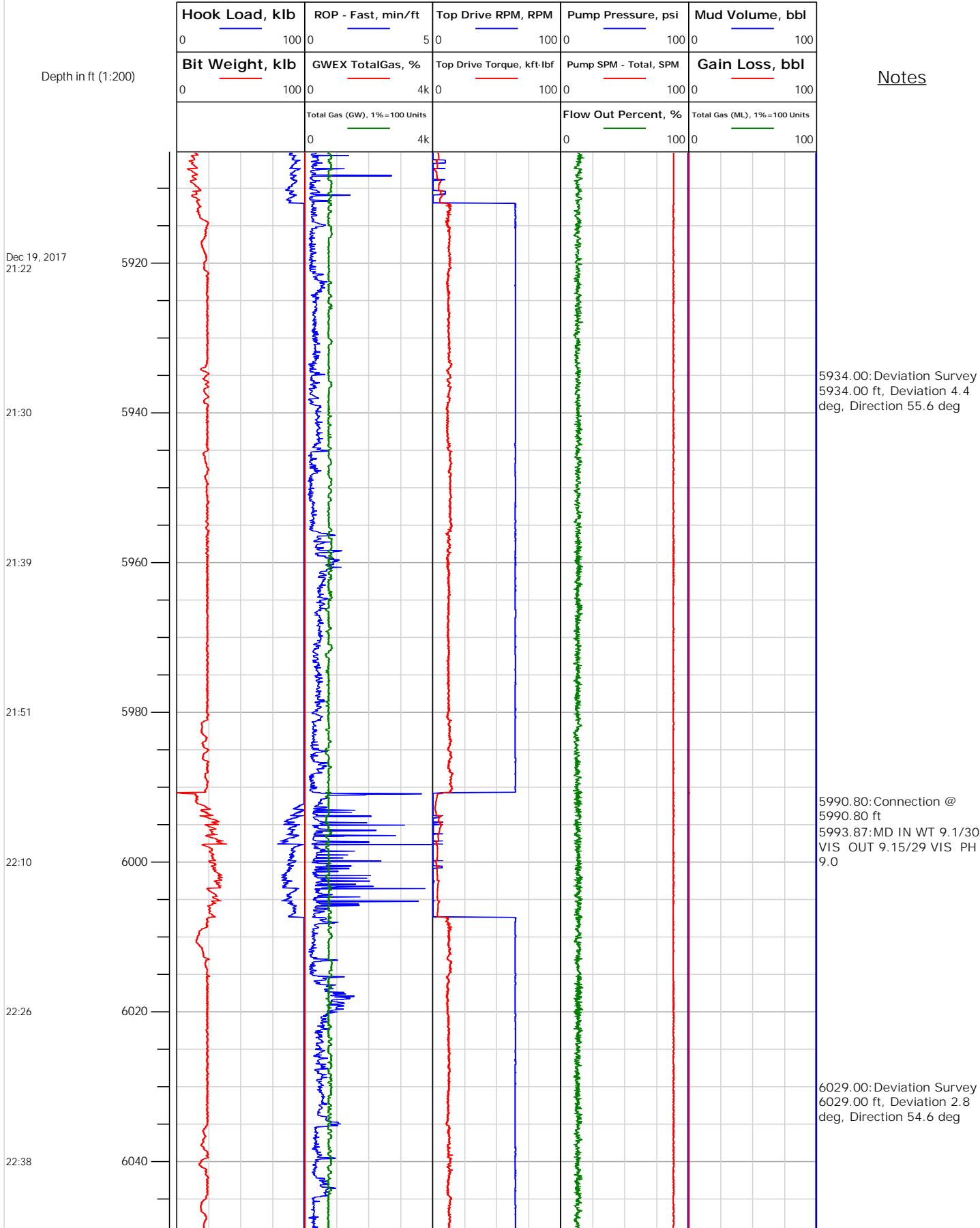
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





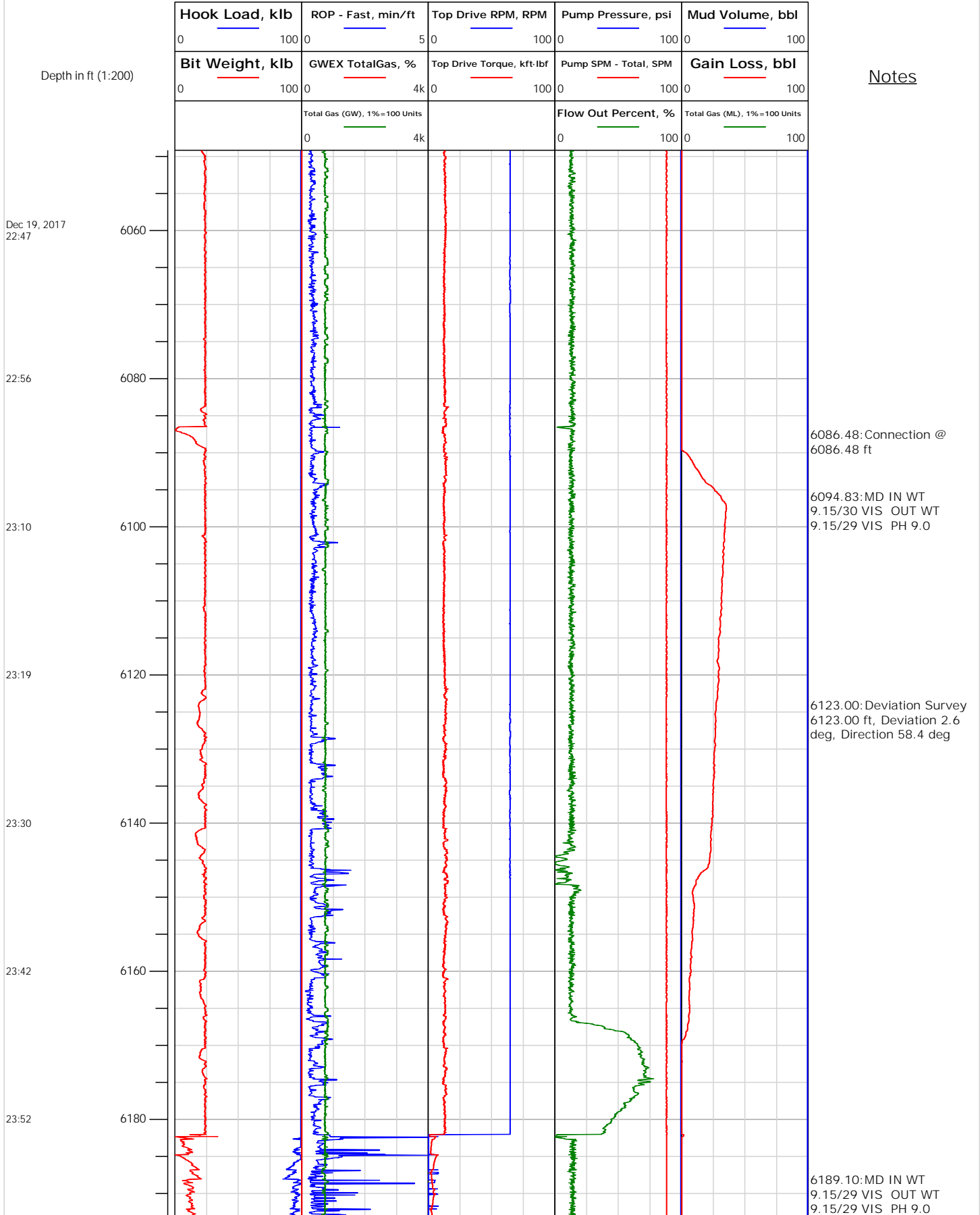
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





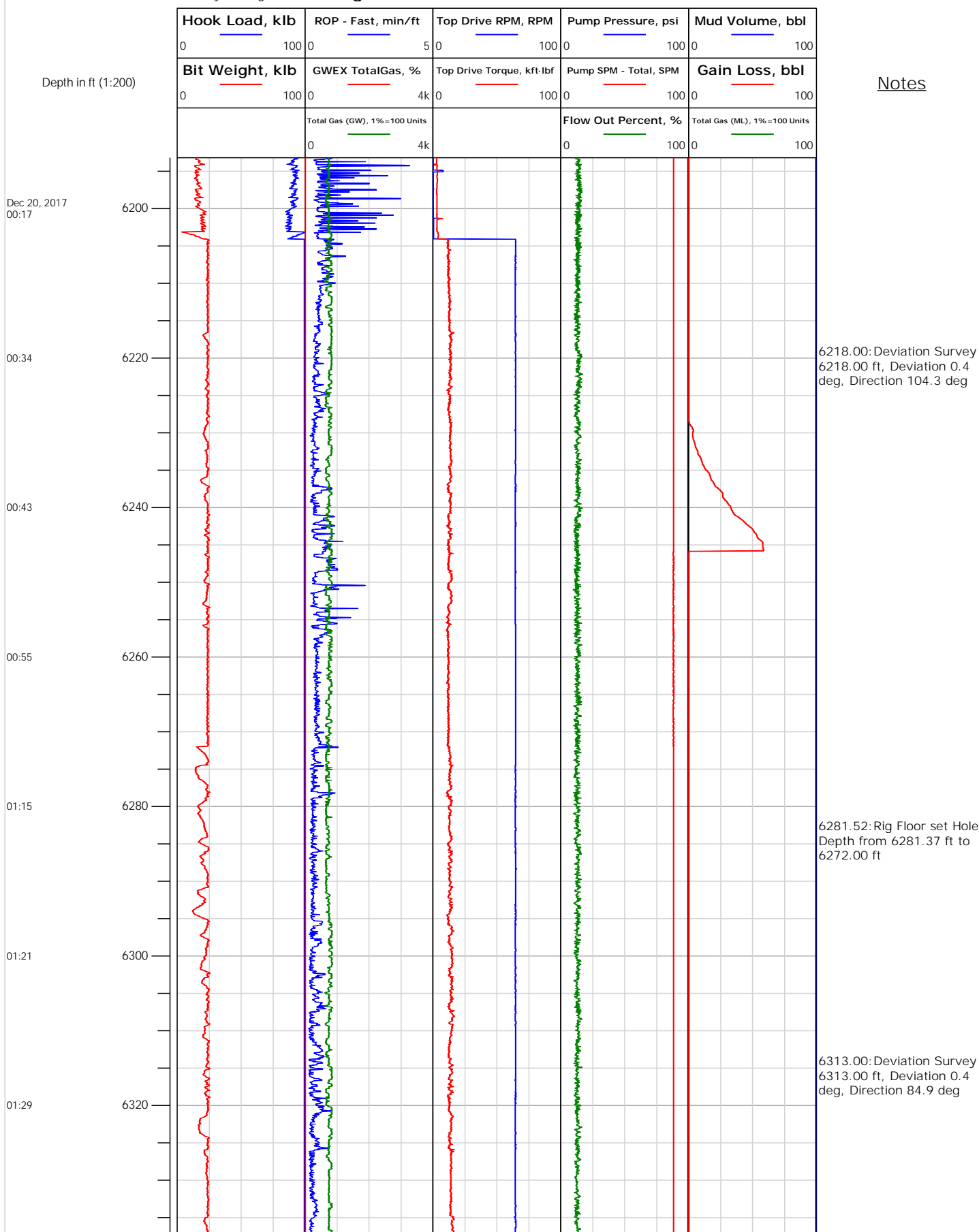
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Well Name: Nichols 24-05E
Rig: 290

Location:

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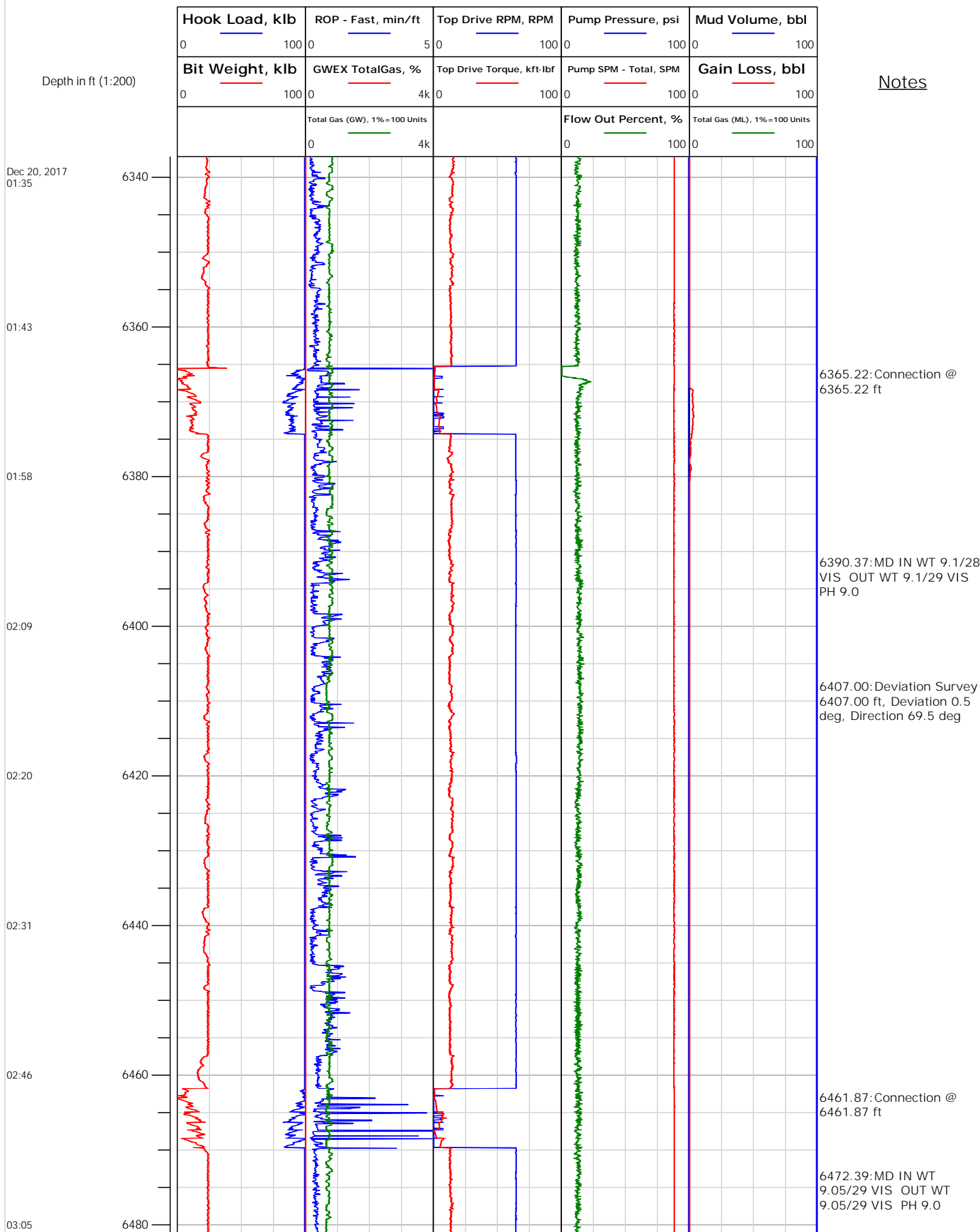


Electronic Drilling Recorder

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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:





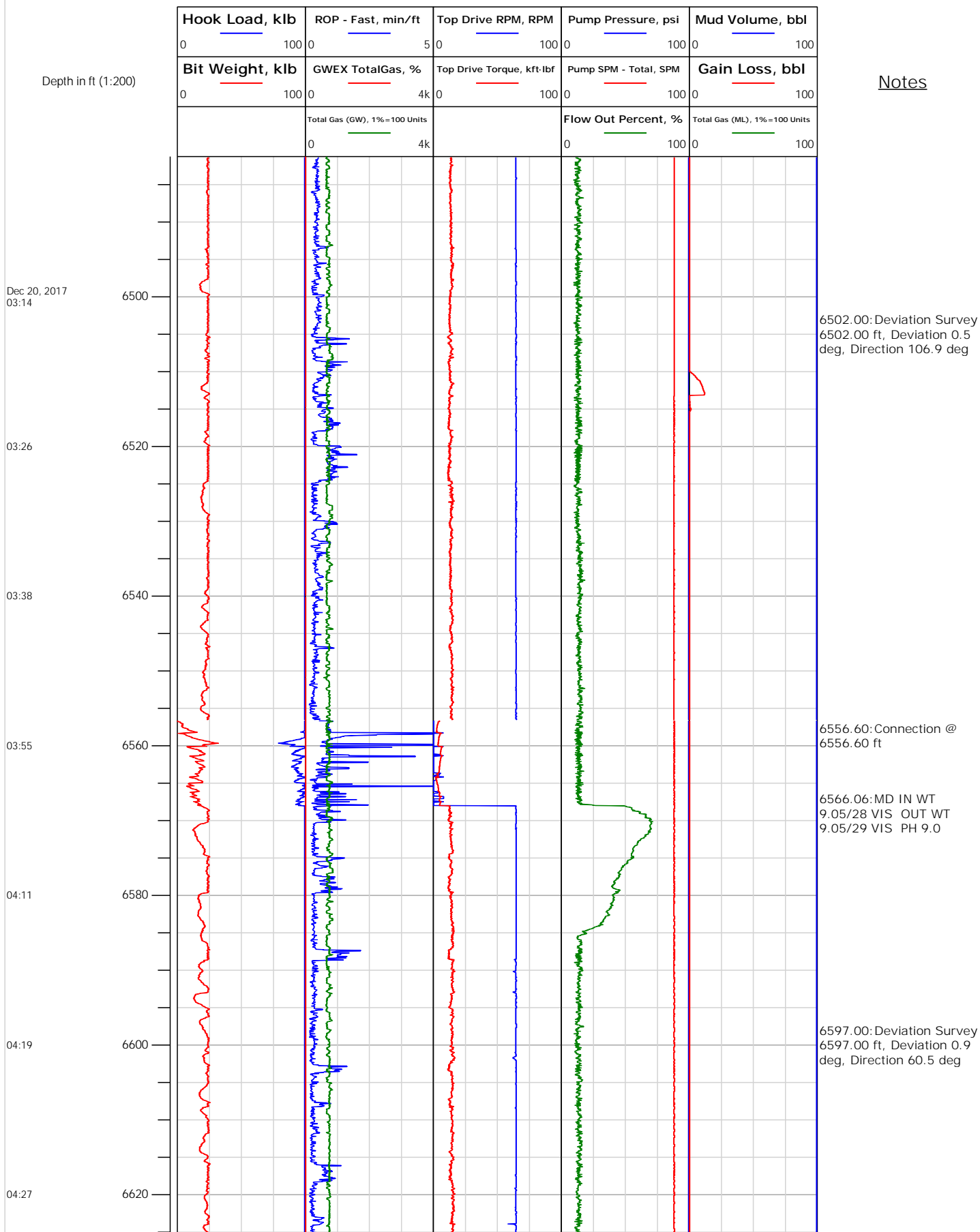
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

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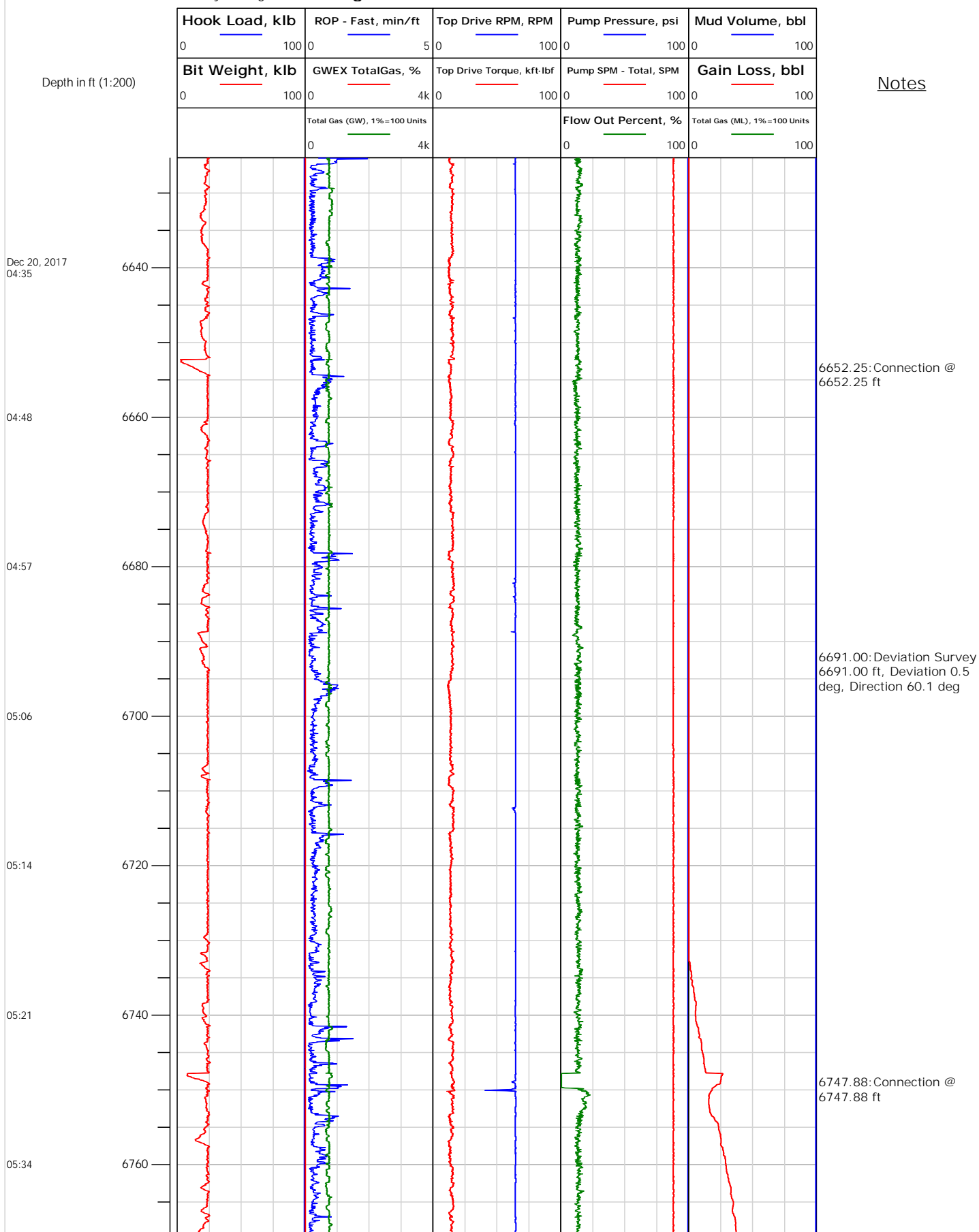
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





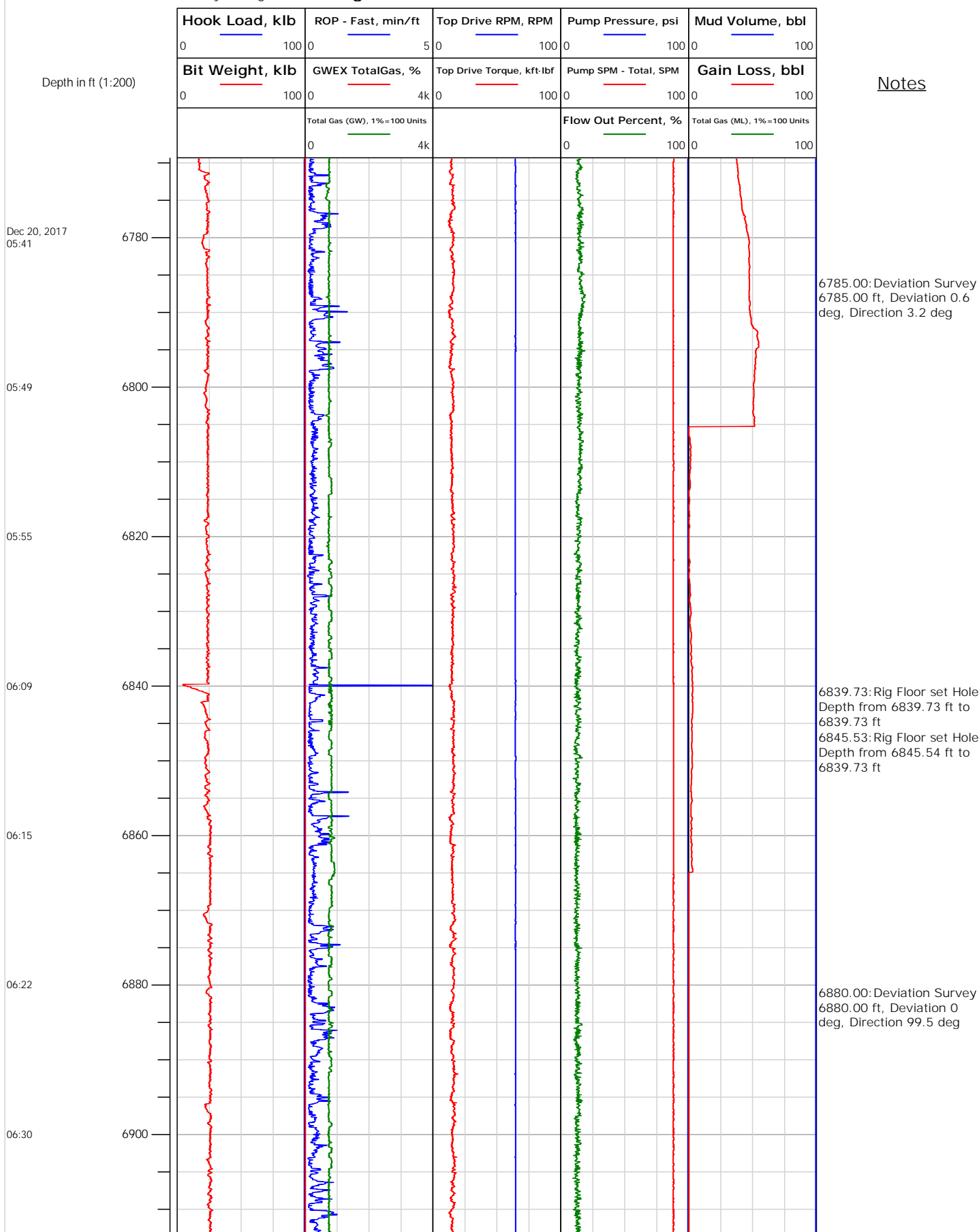
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





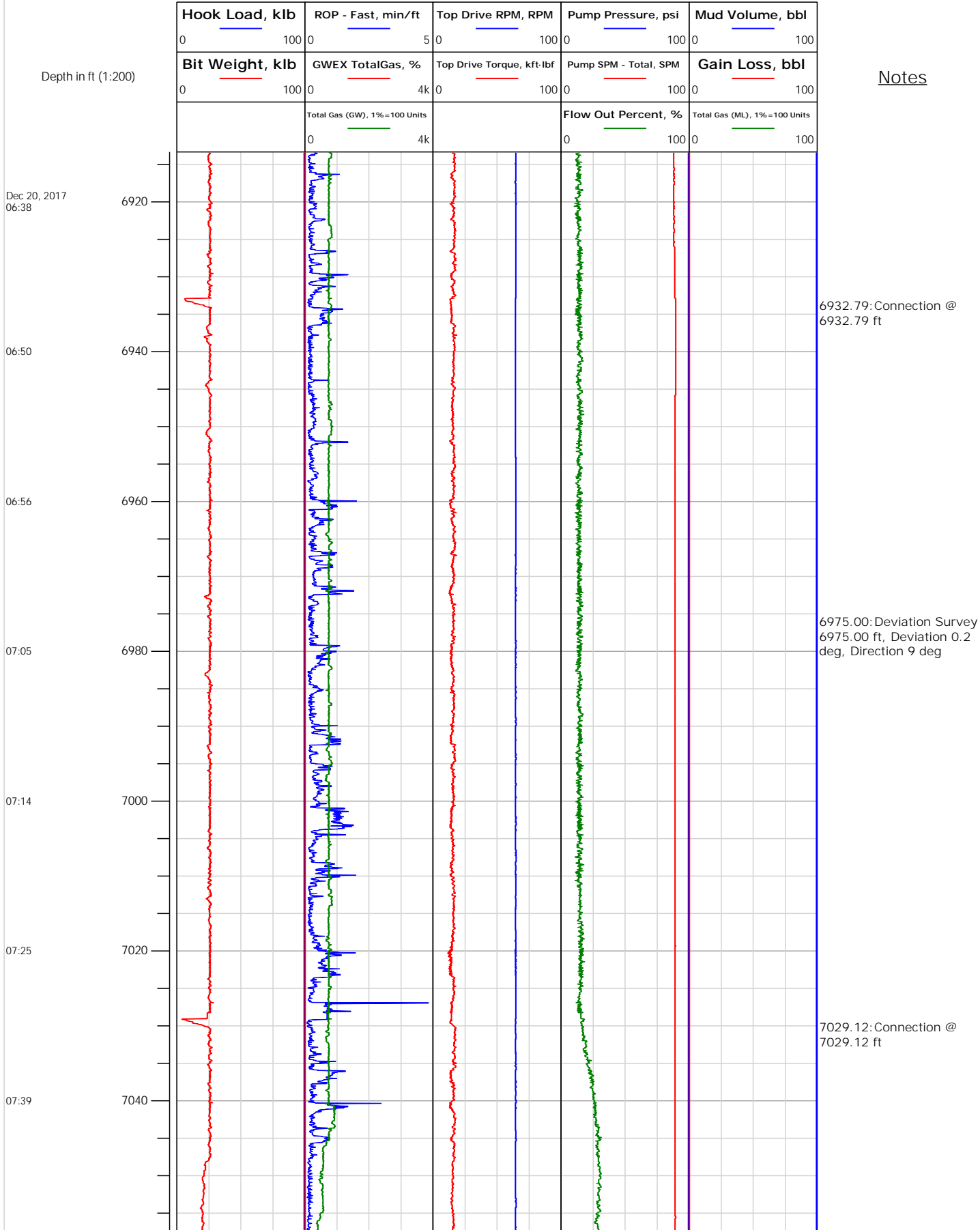
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





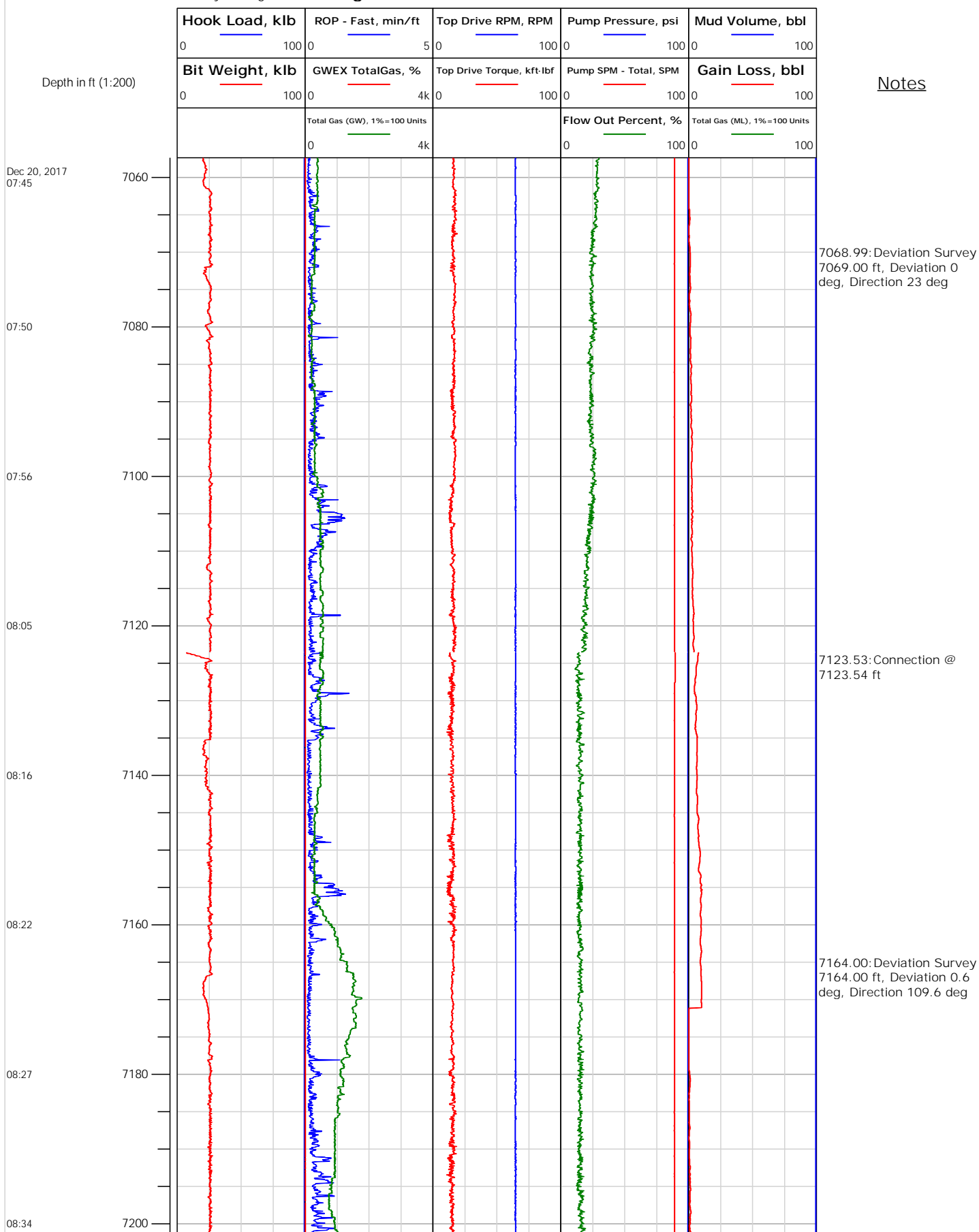
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





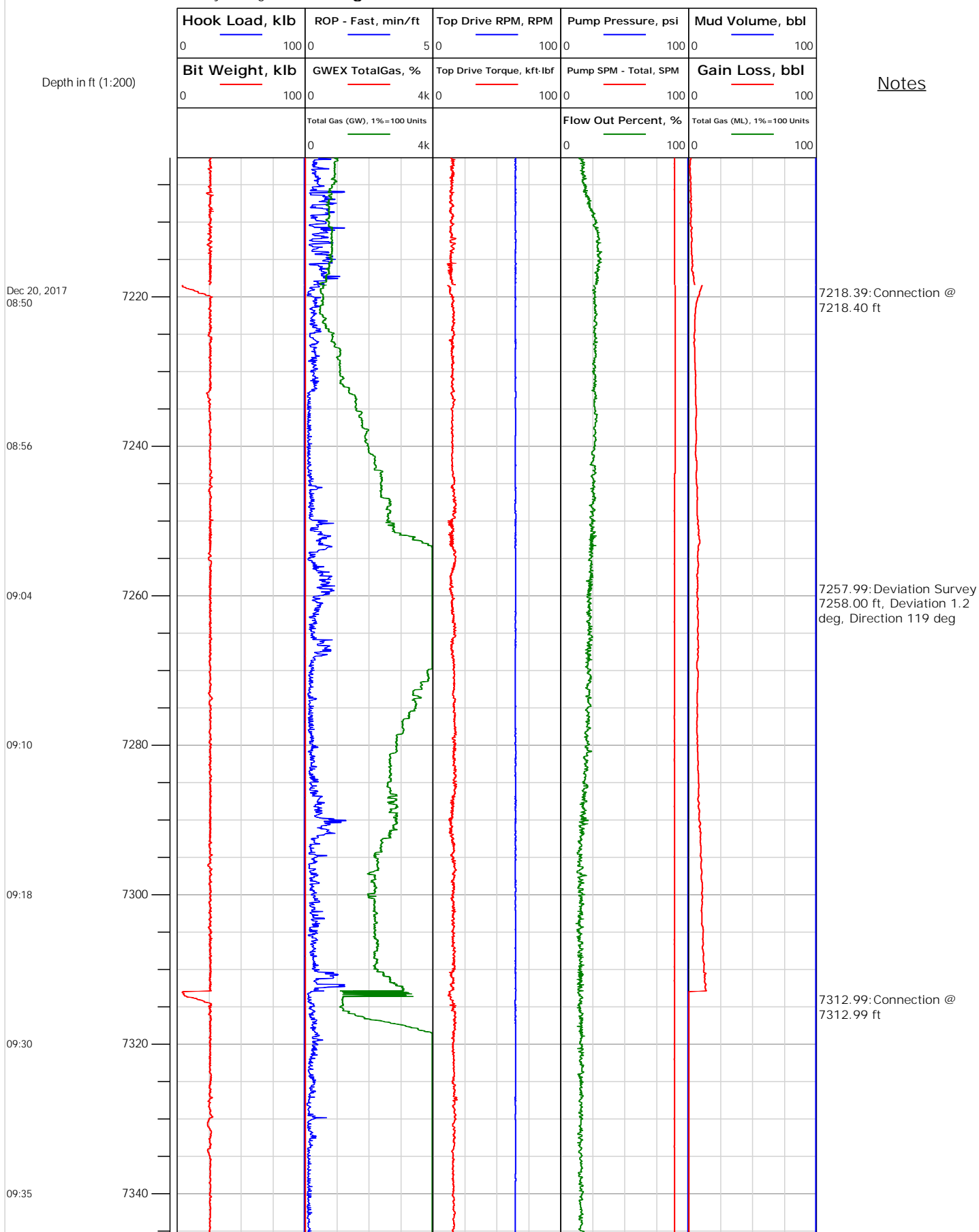
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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





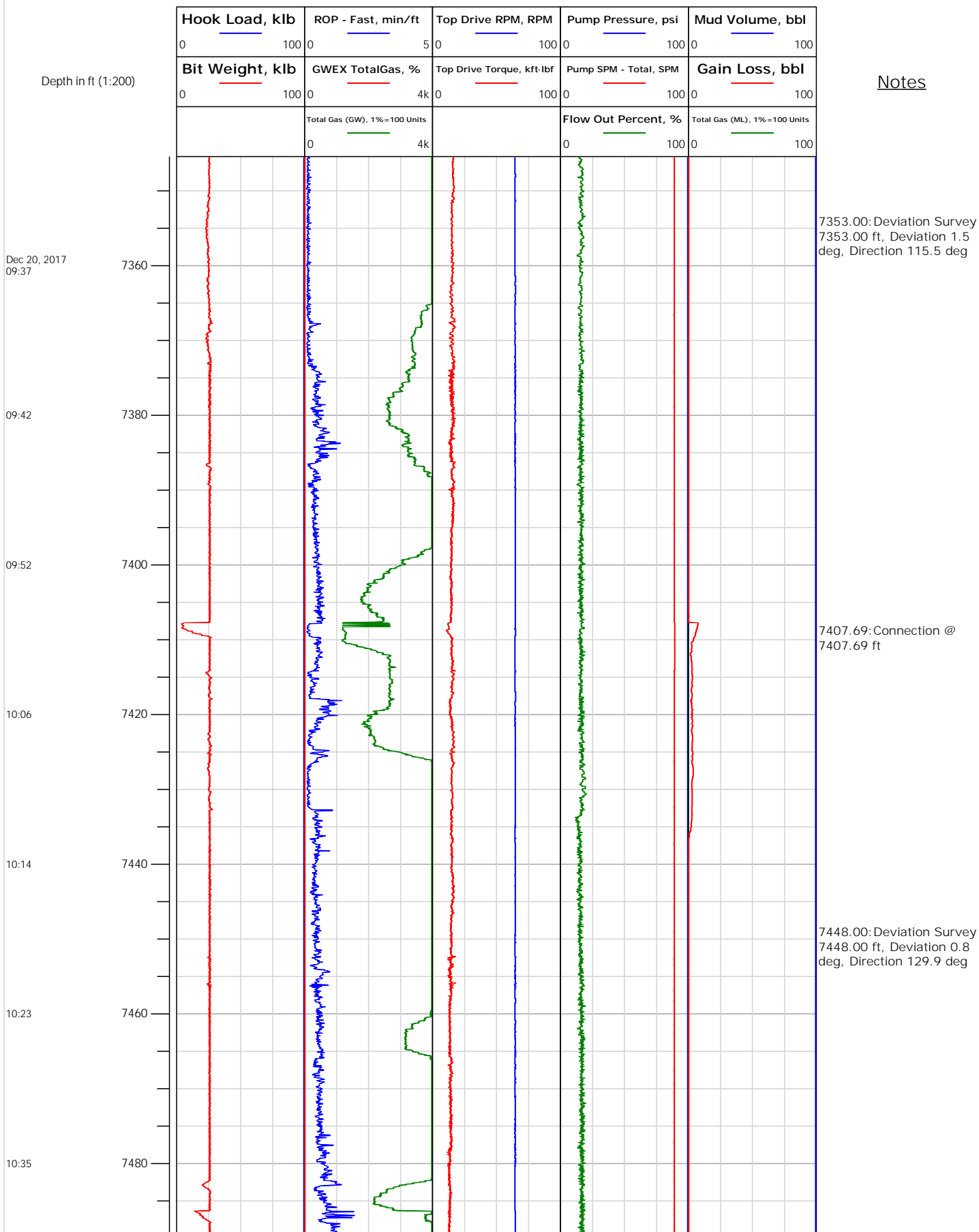
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





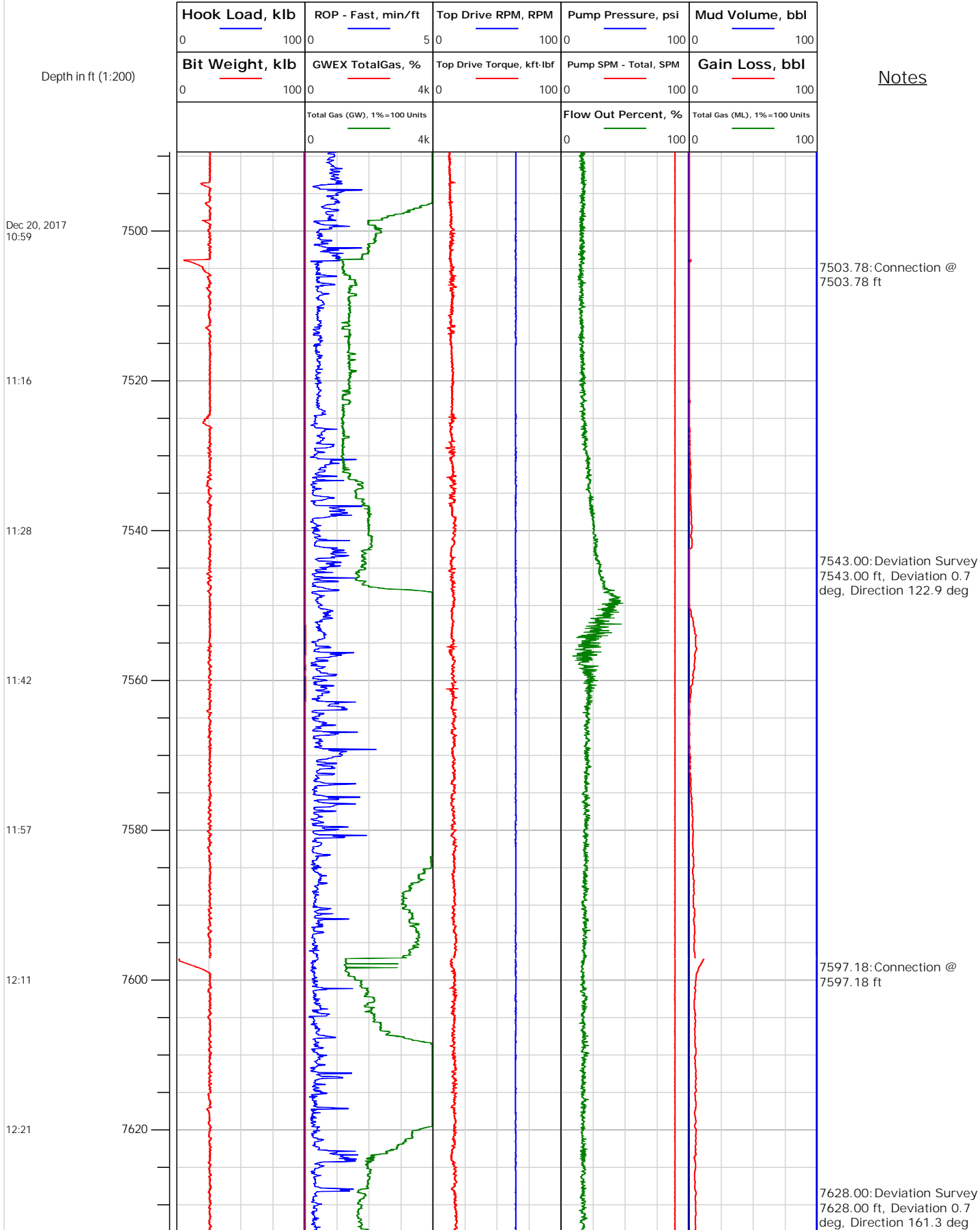
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Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-05E
Rig: 290

Location:

Notes

