



Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-04E
Rig: 290

Location:

Depth in ft (1:200)

Notes

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Dec 25, 2017
04:58

05:09

05:20

05:25



0.00: Deviation Survey
 0.00 ft, Deviation 0 deg,
 Direction 0 deg
 1.00: Rig Floor set Hole
 Depth from 1.00 ft to
 76.42 ft

111.00: Deviation Survey
 111.00 ft, Deviation 1.4
 deg, Direction 90.1 deg



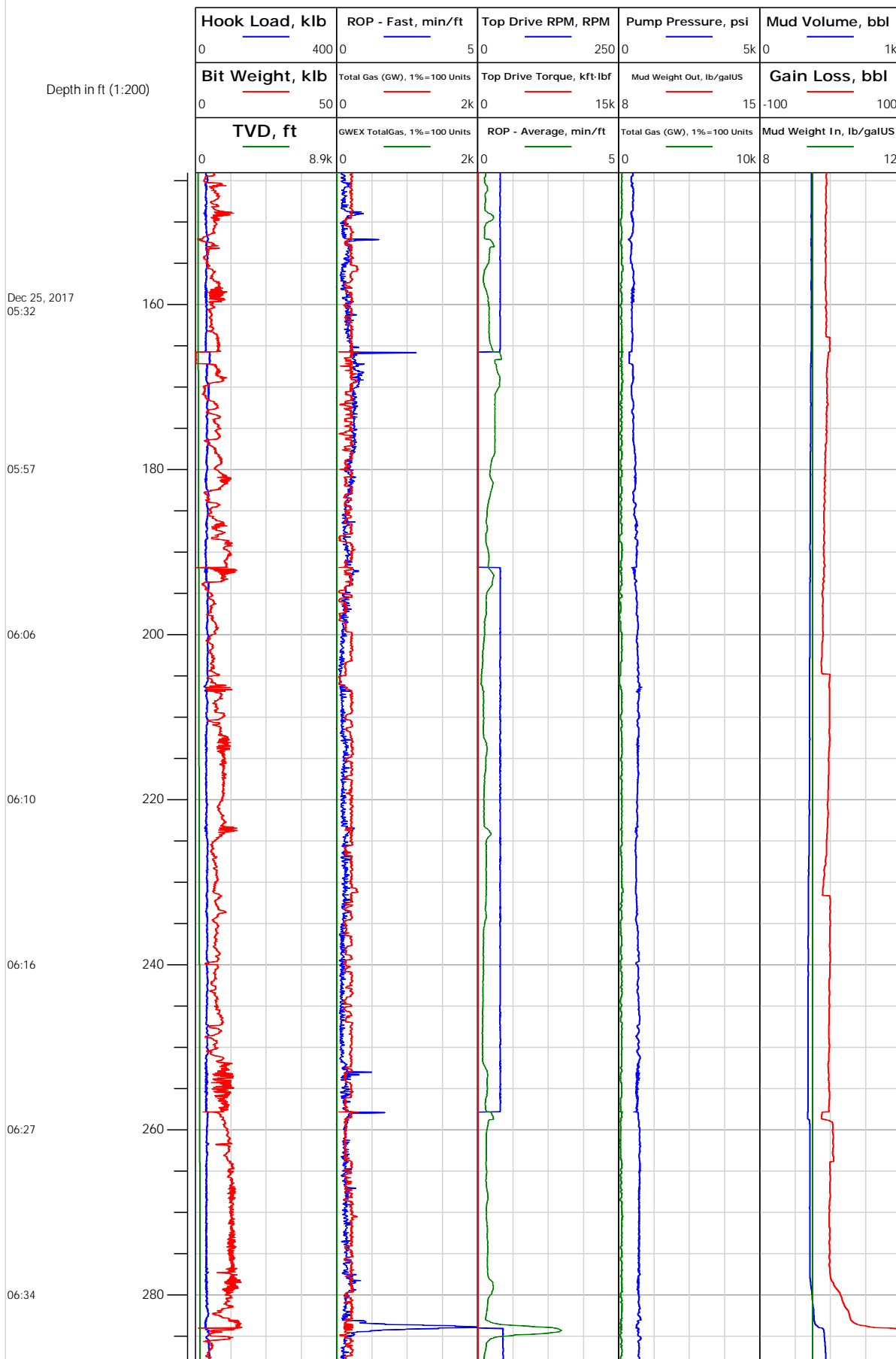
Electronic Drilling Recorder

Operator: Laramie Energy
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Well Name: Nichols 24-04E
Rig: 290

Location:

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Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-04E
Rig: 290

Location:

Notes

Depth in ft (1:200)

Dec 25, 2017
06:43

06:47

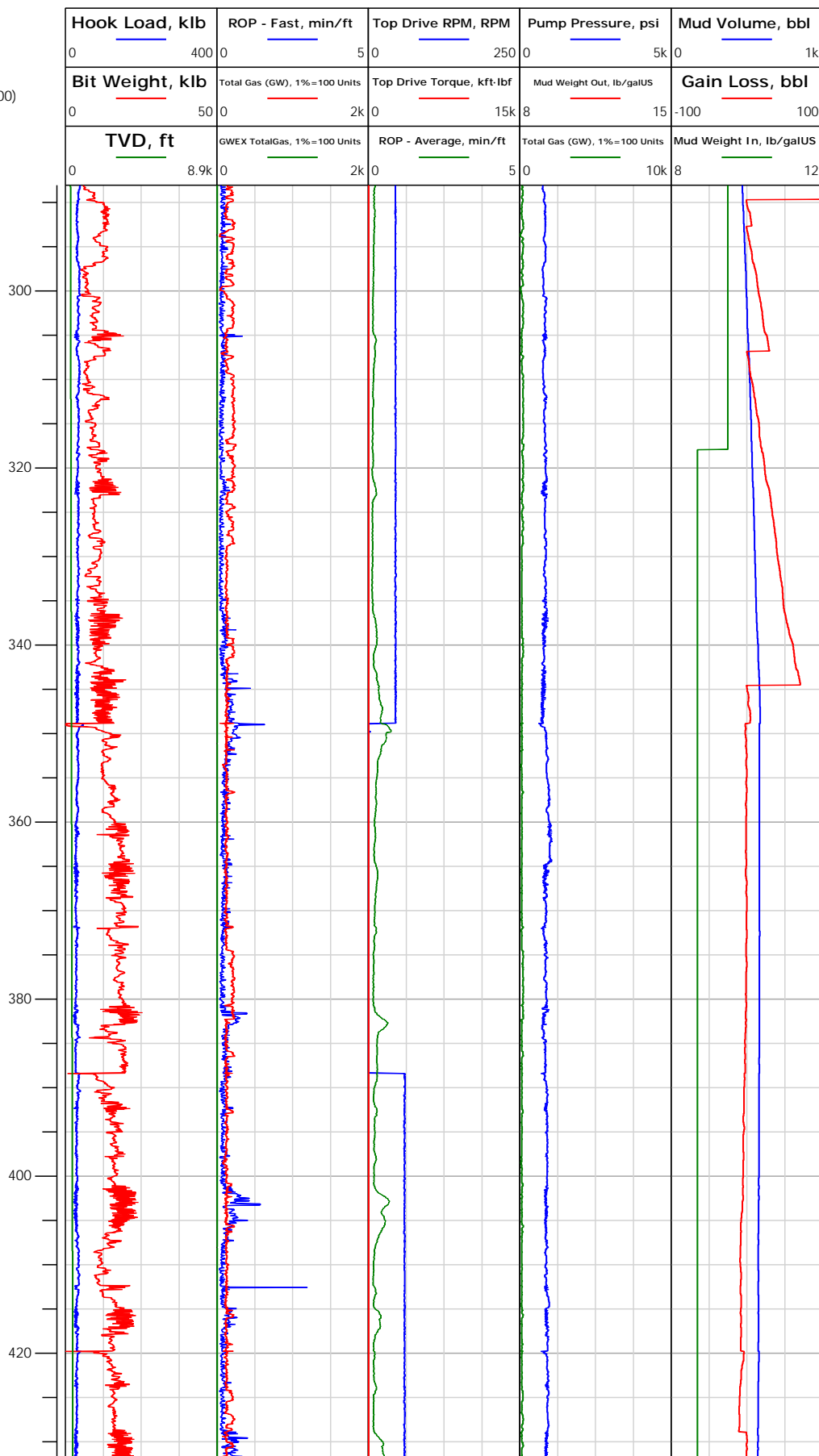
06:50

07:02

07:07

07:12

07:20



293.00: Deviation Survey
 293.00 ft, Deviation 4.4 deg, Direction 119 deg

393.00: Deviation Survey
 393.00 ft, Deviation 5.9 deg, Direction 82.9 deg



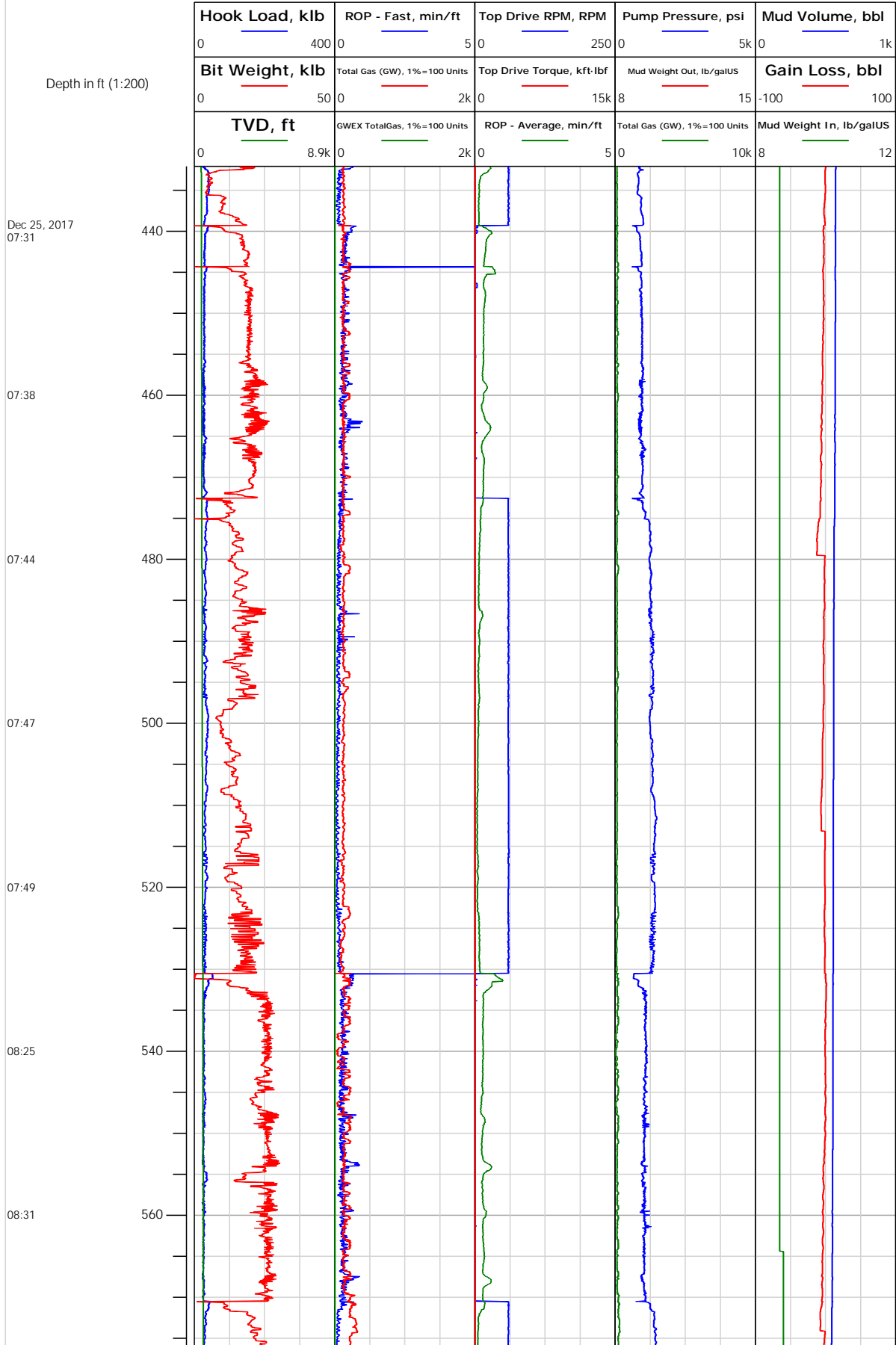
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Well Name: Nichols 24-04E
Rig: 290

Location:

Notes





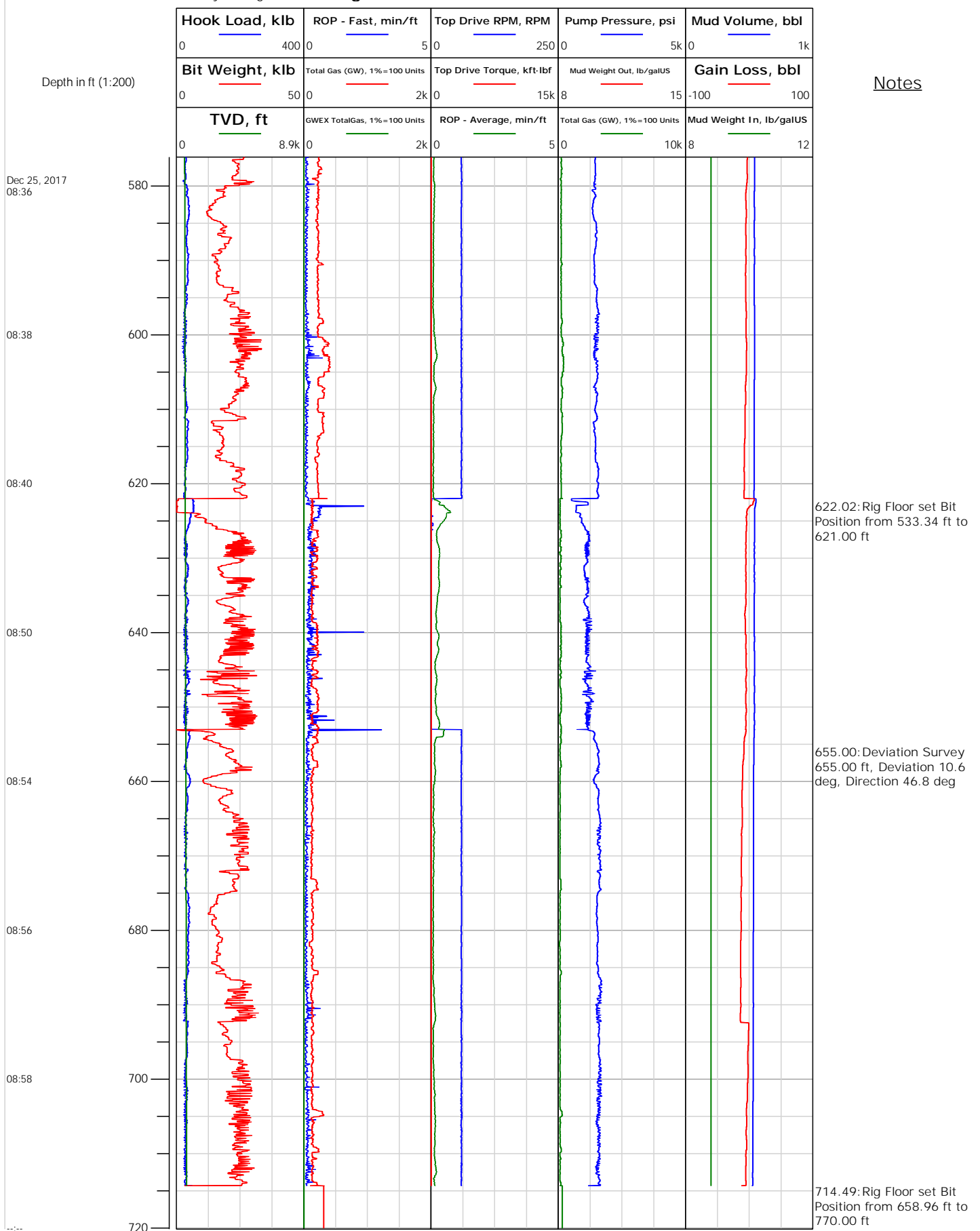
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Rig: 290

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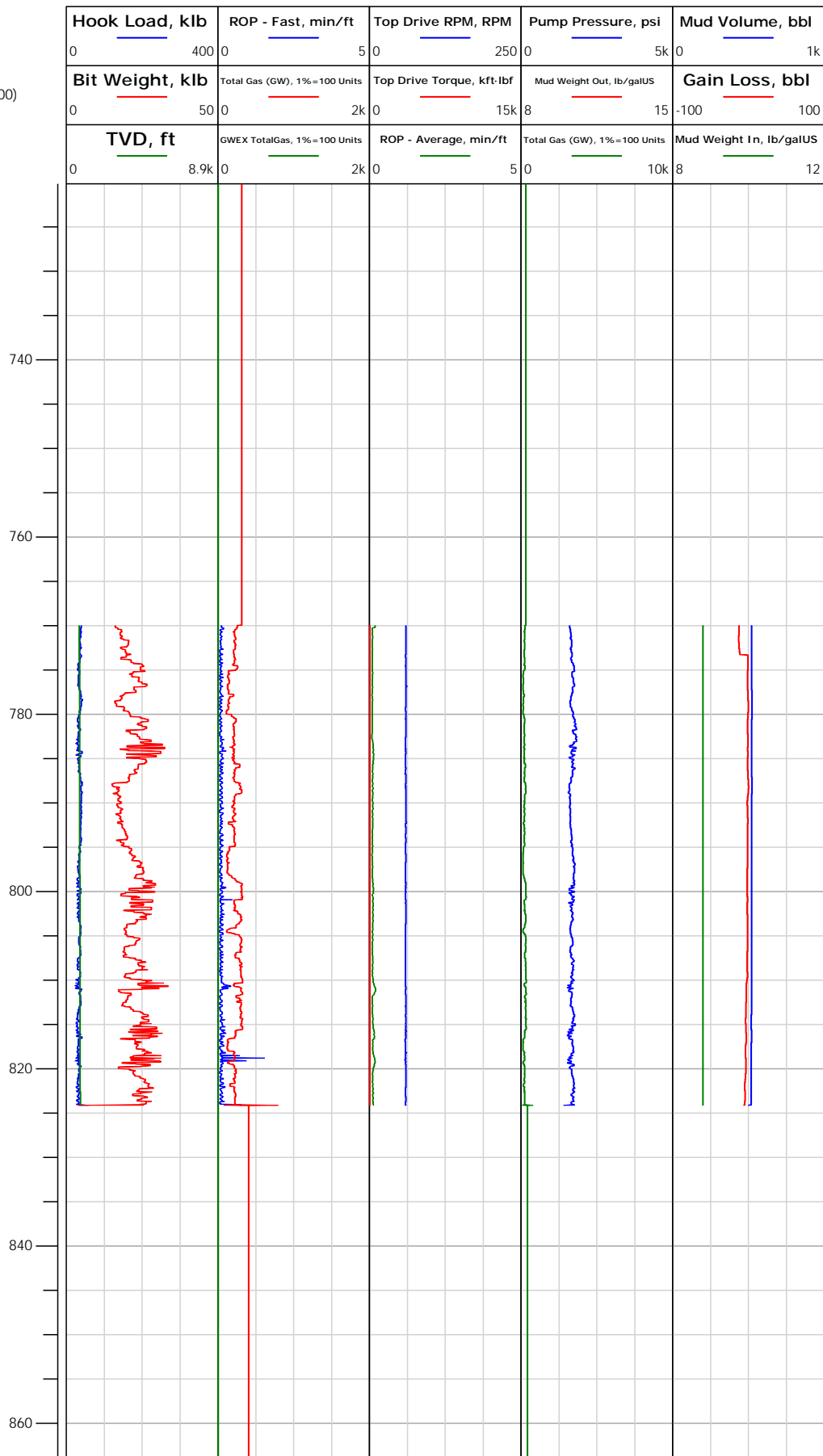
Depth in ft (1:200)

Notes

Dec 25, 2017
09:09

09:11

09:13



745.00: Deviation Survey
745.00 ft, Deviation 11.2
deg, Direction 41.6 deg

824.21: Rig Floor set Bit
Position from 819.06 ft to
984.48 ft

836.00: Deviation Survey
836.00 ft, Deviation 11.5
deg, Direction 40.1 deg



Electronic Drilling Recorder

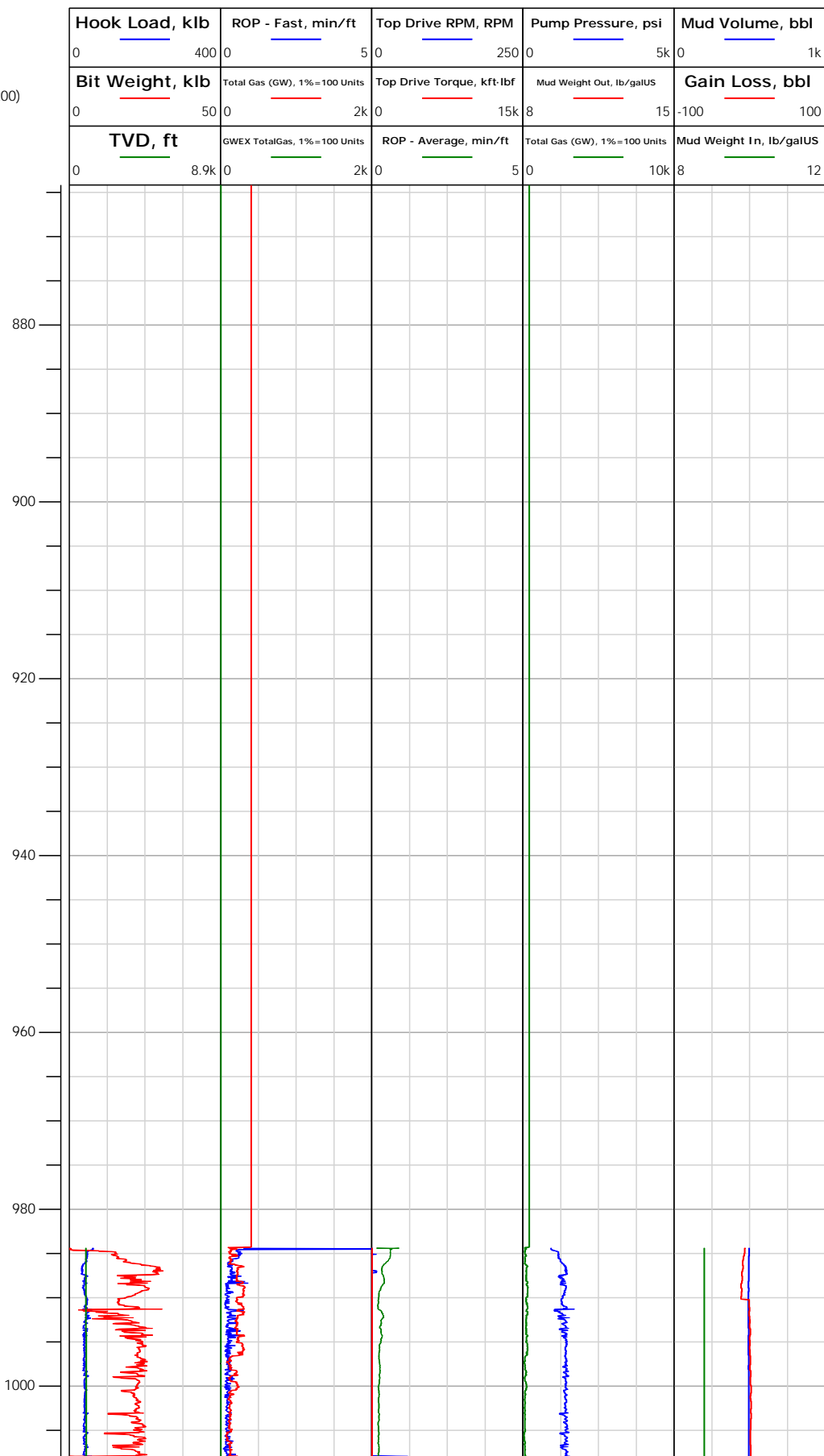
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-04E
Rig: 290

Location:

Notes

Depth in ft (1:200)



Dec 25, 2017
09:57



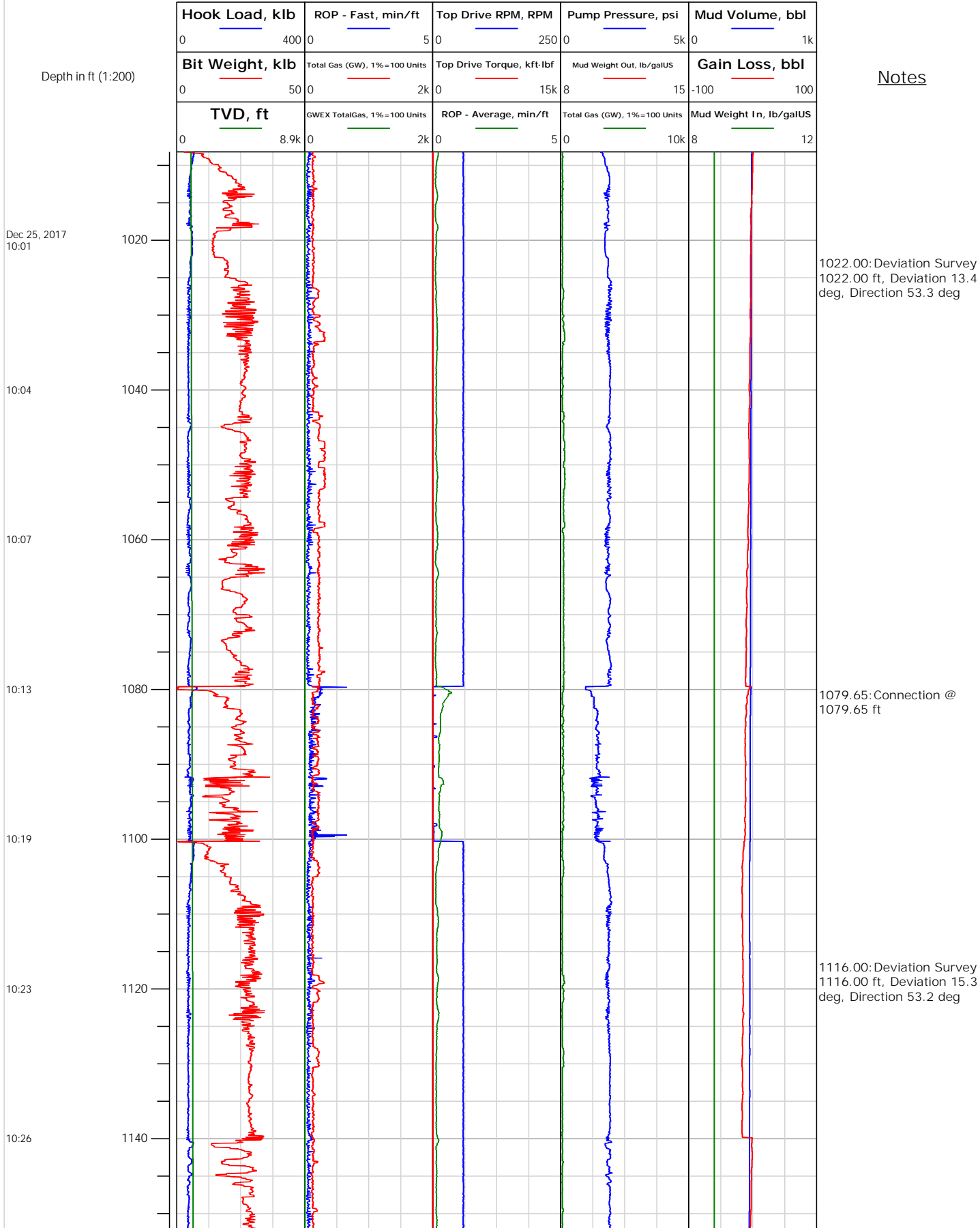
Electronic Drilling Recorder

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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-04E
Rig: 290

Location:

Notes





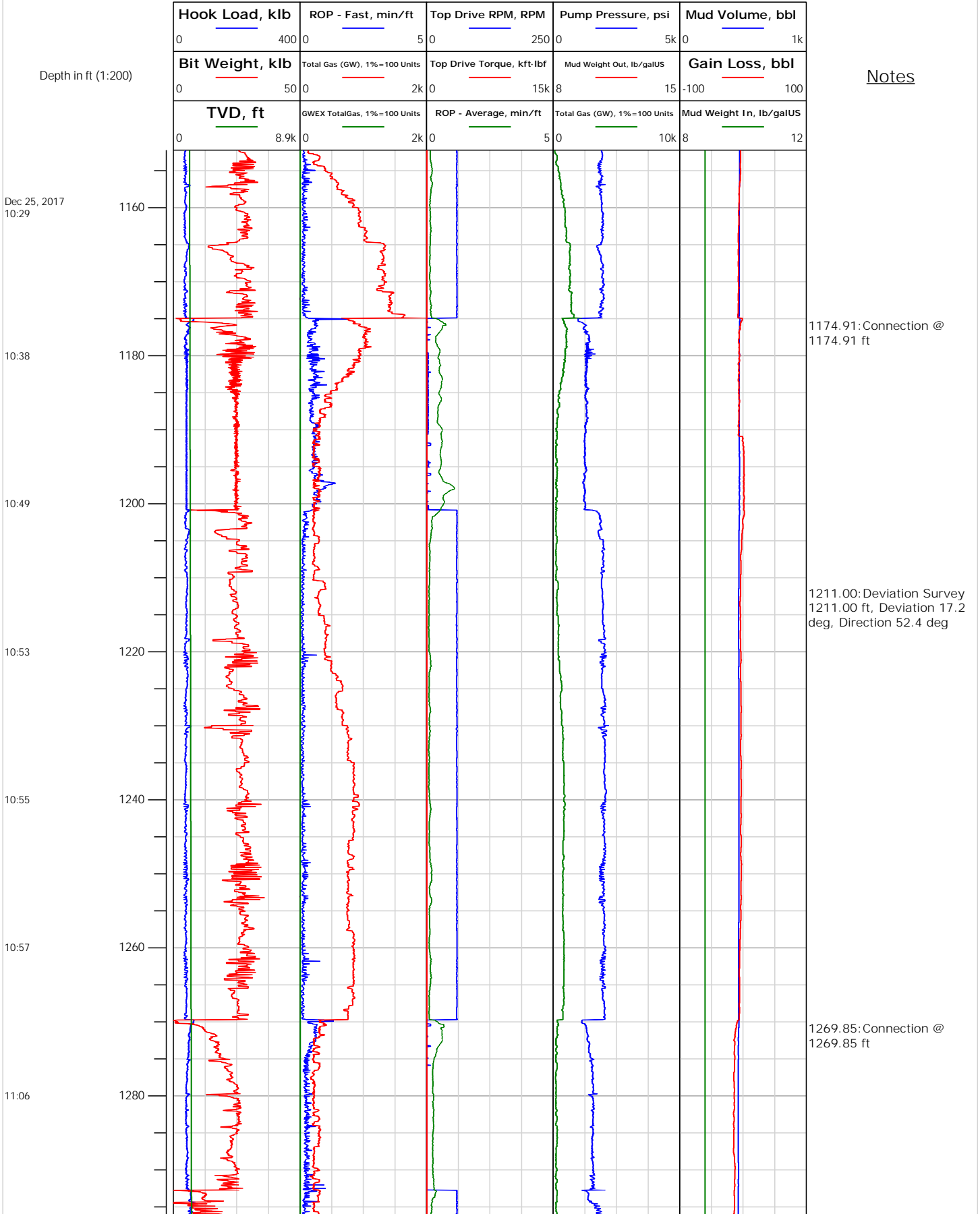
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Rig: 290

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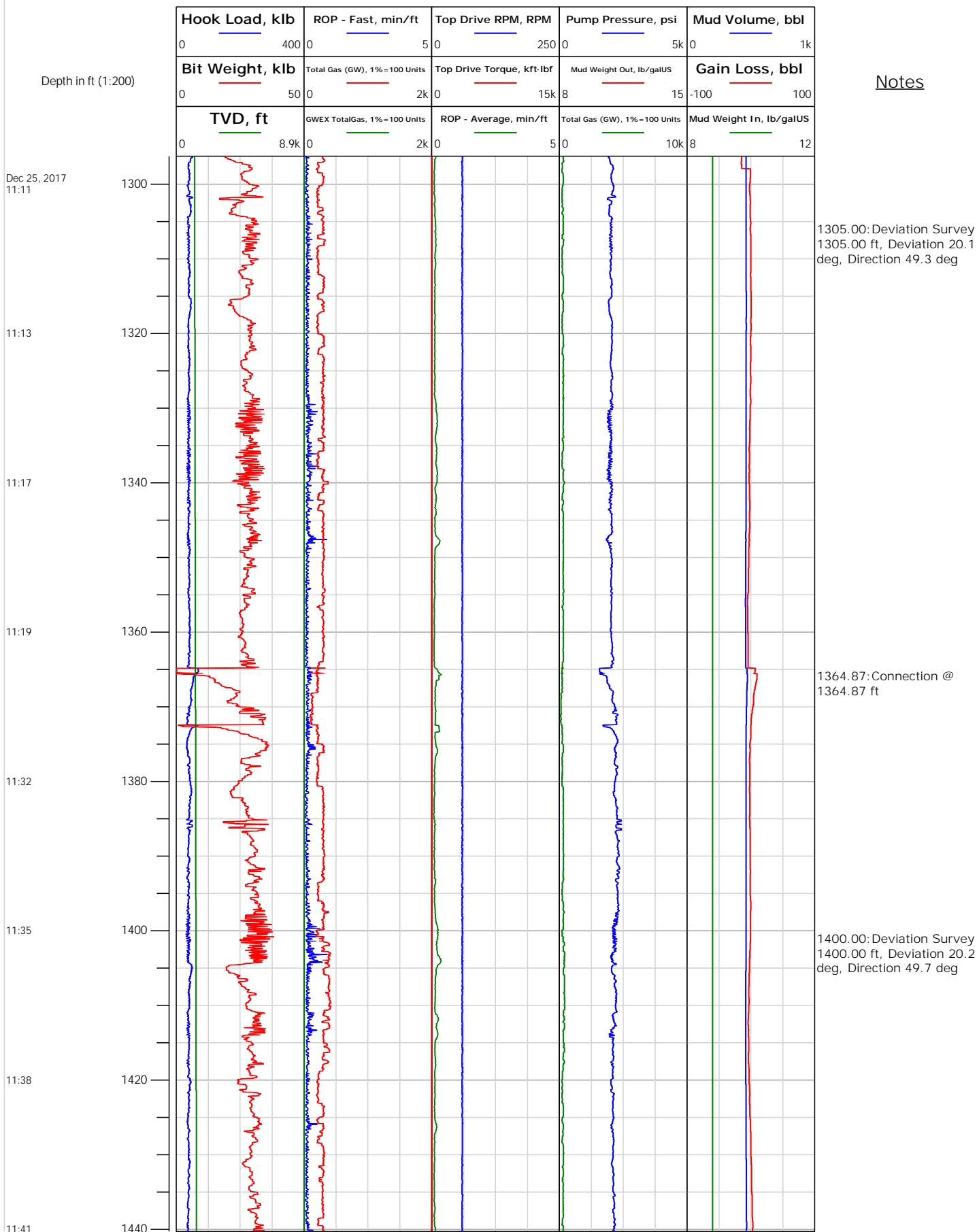
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Rig: 290

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Electronic Drilling Recorder

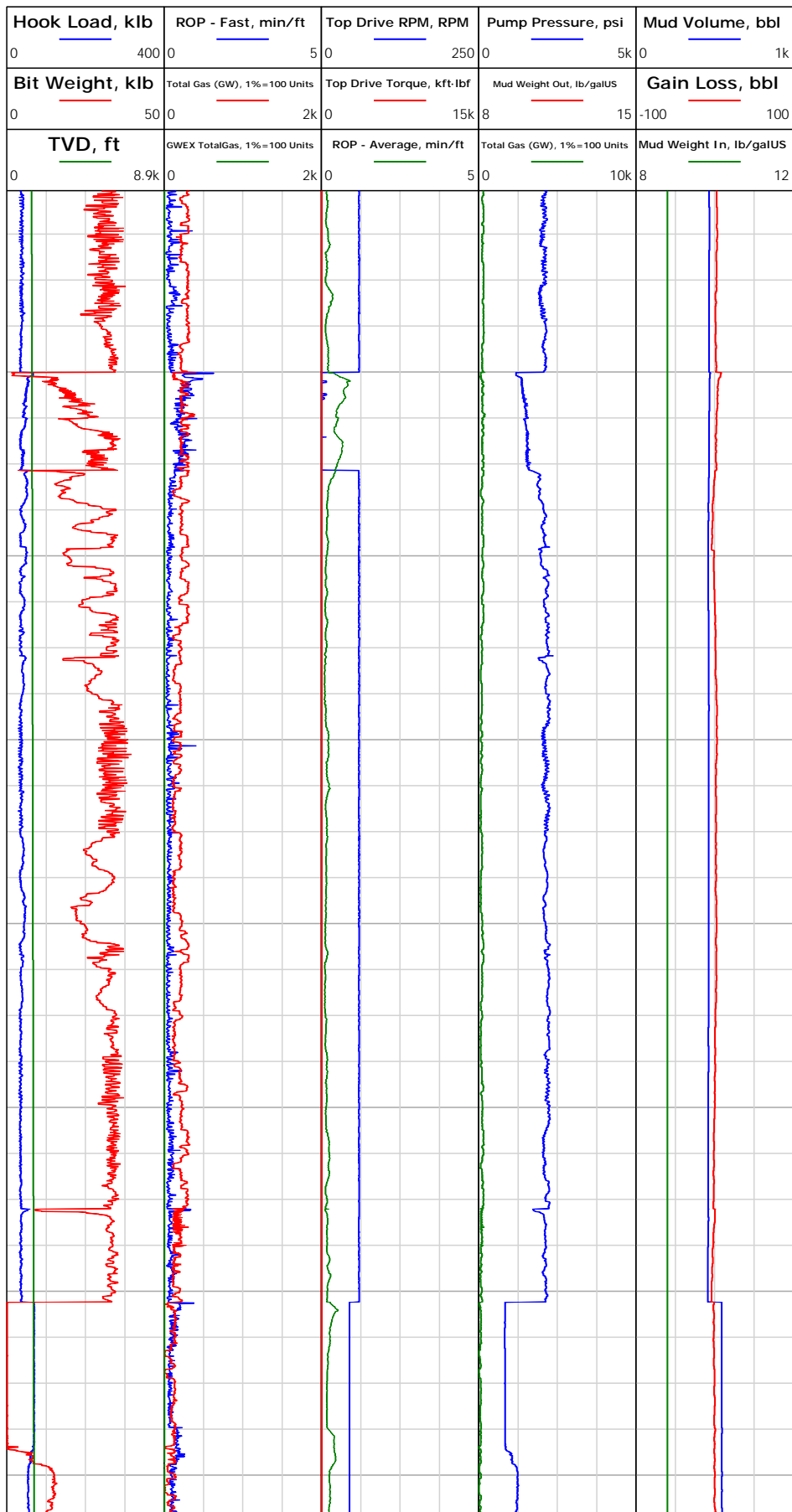
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-04E
Rig: 290

Location:

Notes

Depth in ft (1:200)



Dec 25, 2017
11:44

11:56

11:59

12:03

12:05

12:15

Dec 26, 2017
05:19

1460.05: Connection @
1460.05 ft

1494.00: Deviation Survey
1494.00 ft, Deviation 20.9
deg, Direction 46.6 deg

1557.59: Rig Floor set Hole
Depth from 1555.33 ft to
1551.16 ft
1561.35: Rig Floor set Bit
Position from 1533.58 ft to
1452.66 ft
1561.35: Connection @
1561.35 ft
1561.35: Connection @
1561.35 ft
1561.35: Connection @
1561.35 ft



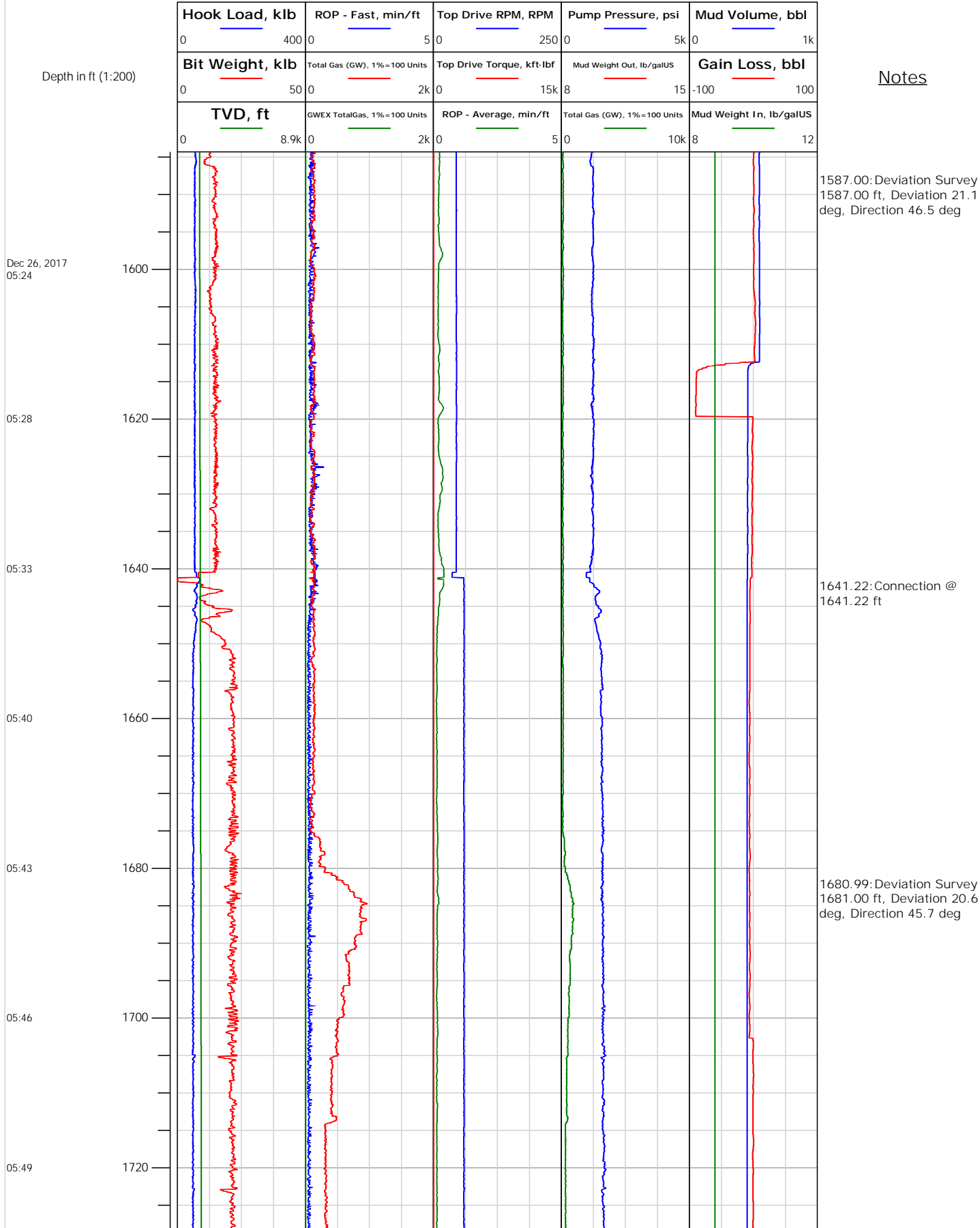
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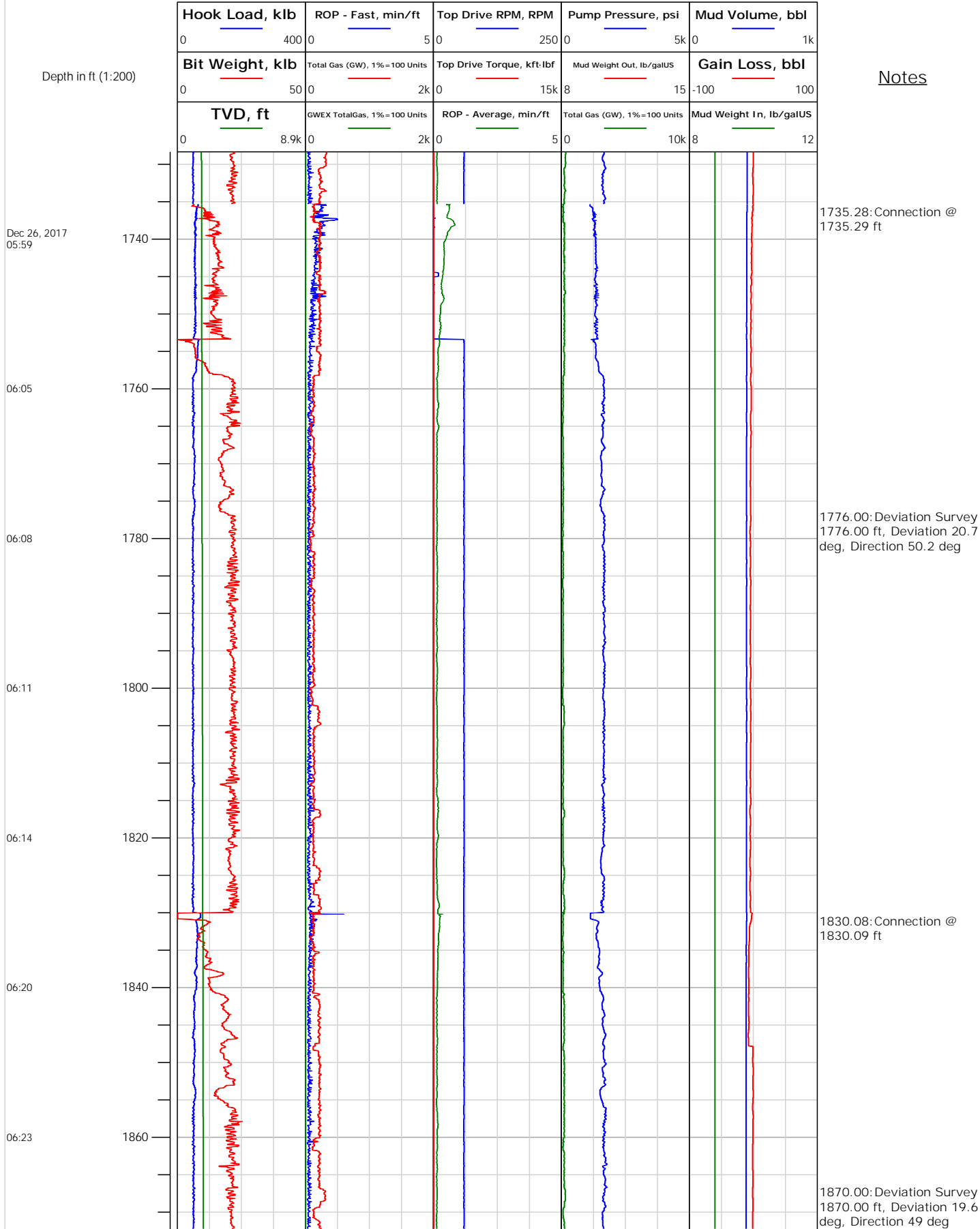
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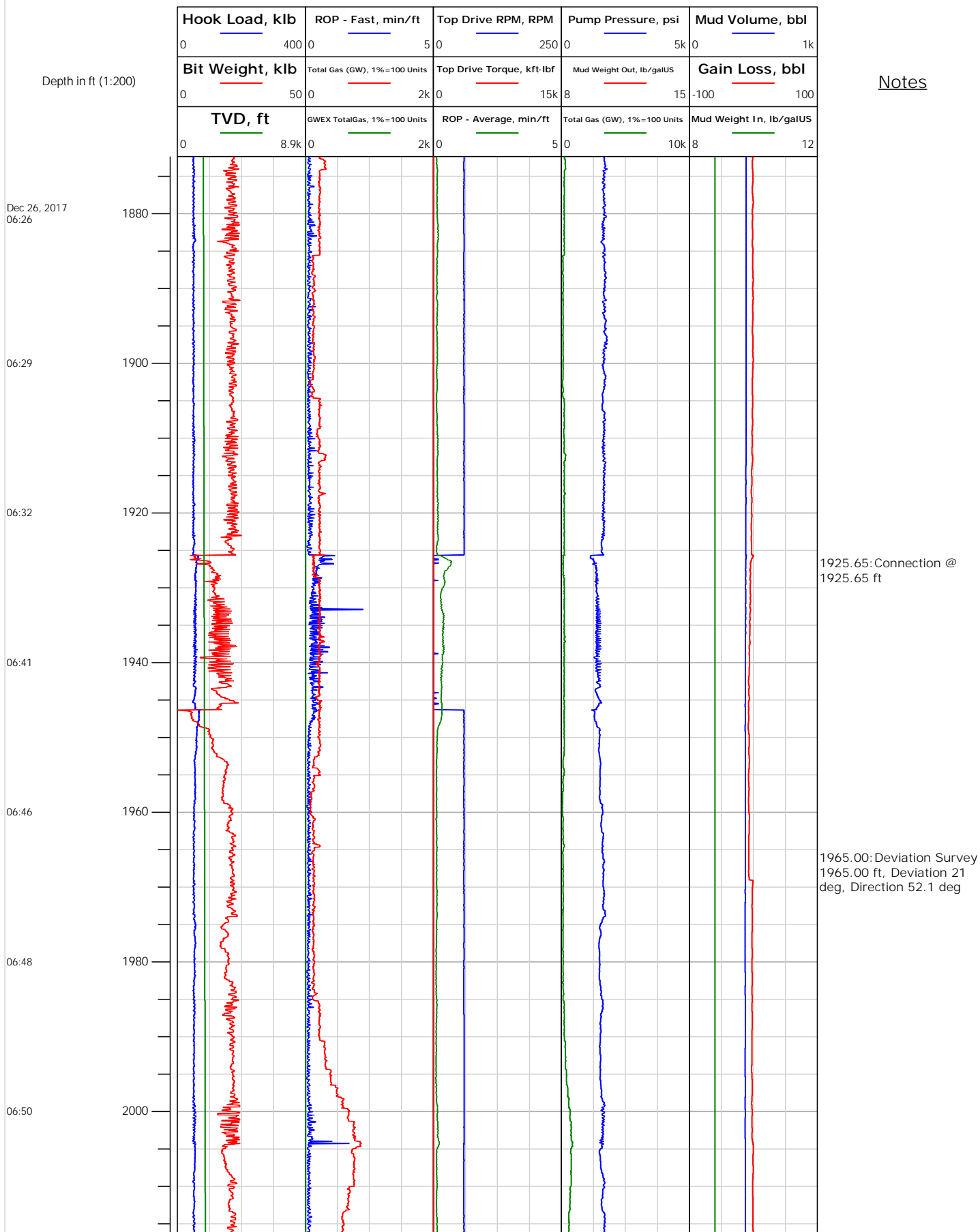
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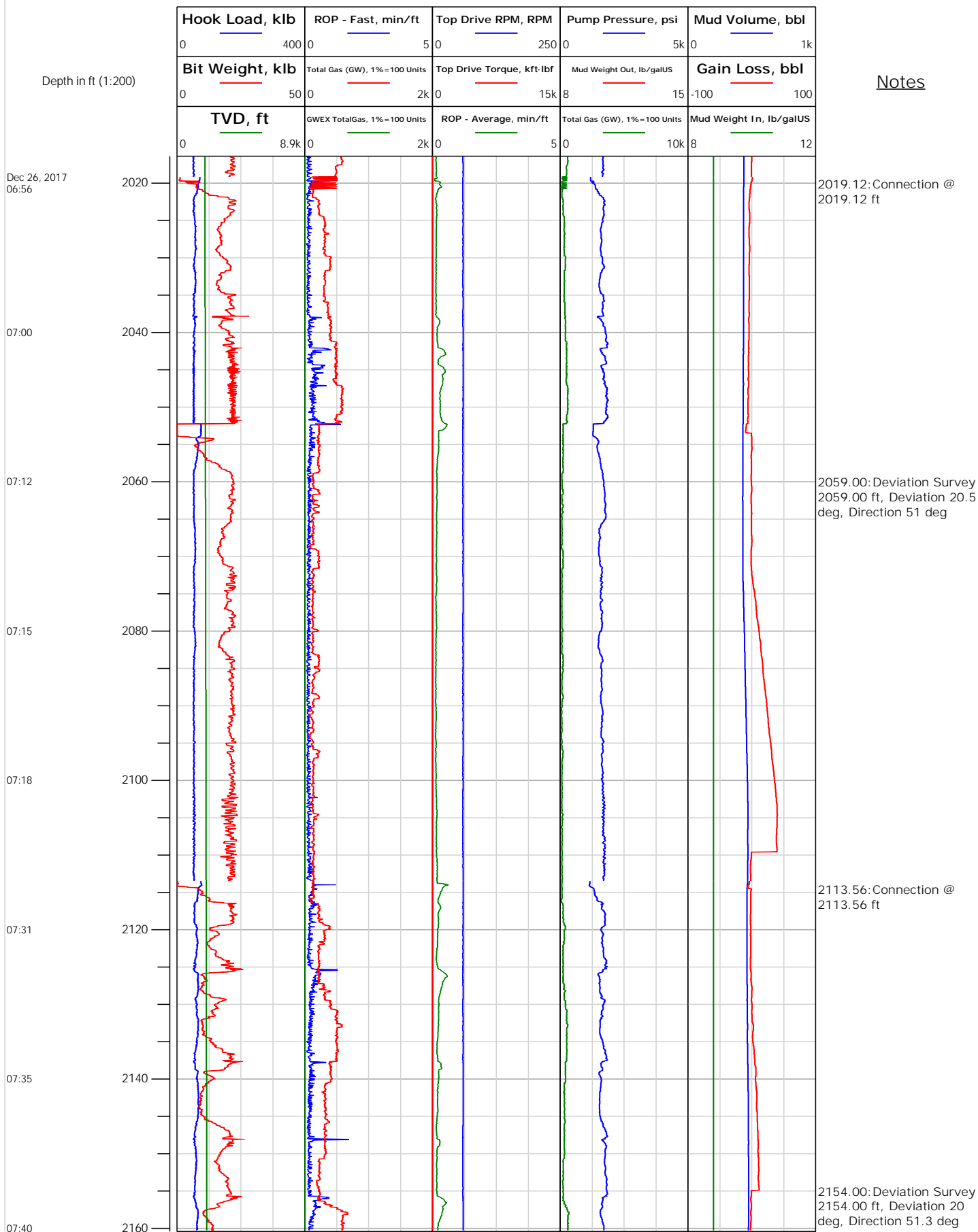
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Electronic Drilling Recorder

Operator: Laramie Energy
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Well Name: Nichols 24-04E
Rig: 290

Location:

Notes

Depth in ft (1:200)

Dec 26, 2017
07:46

07:52

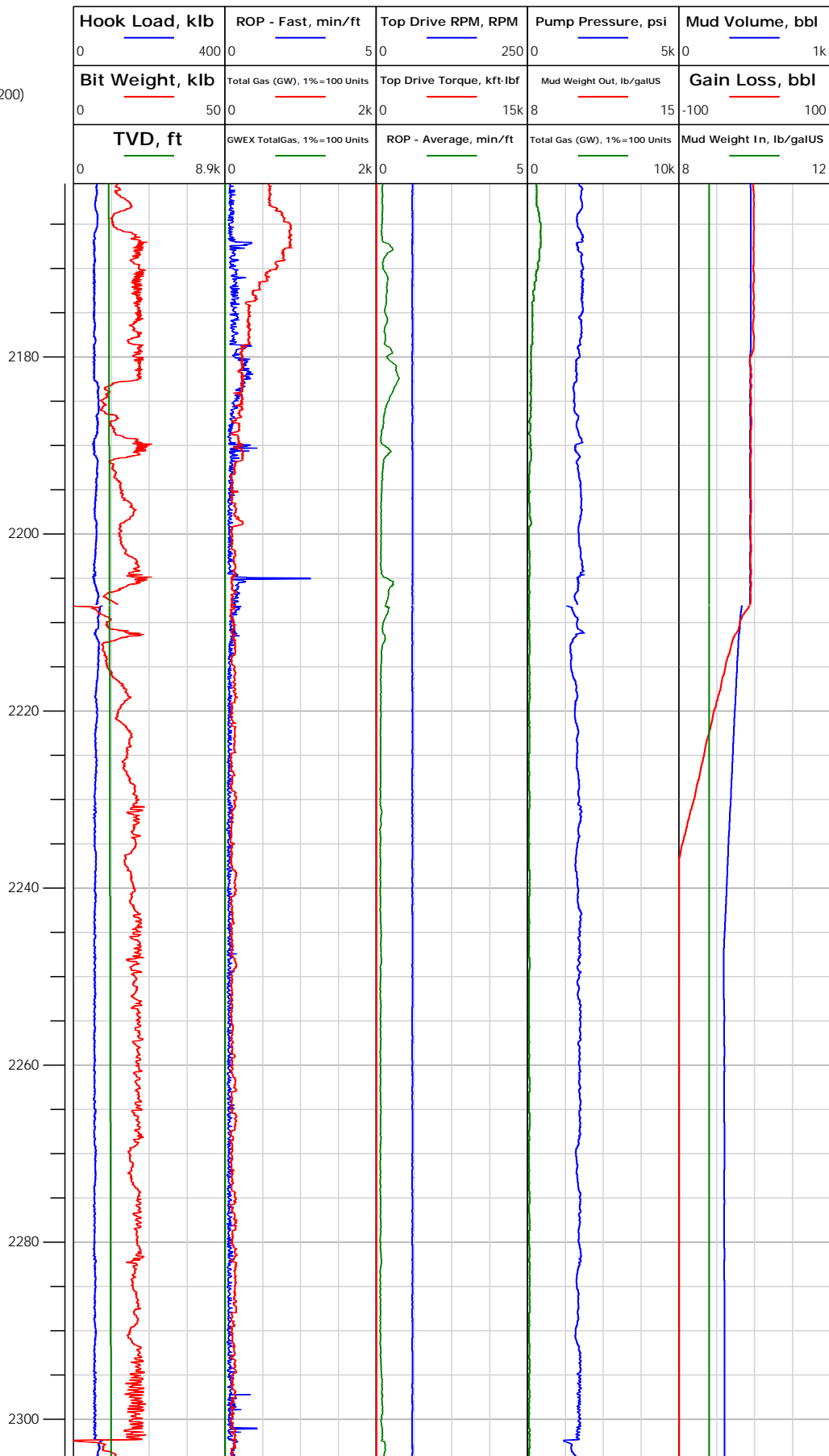
08:05

08:08

08:11

08:14

08:17





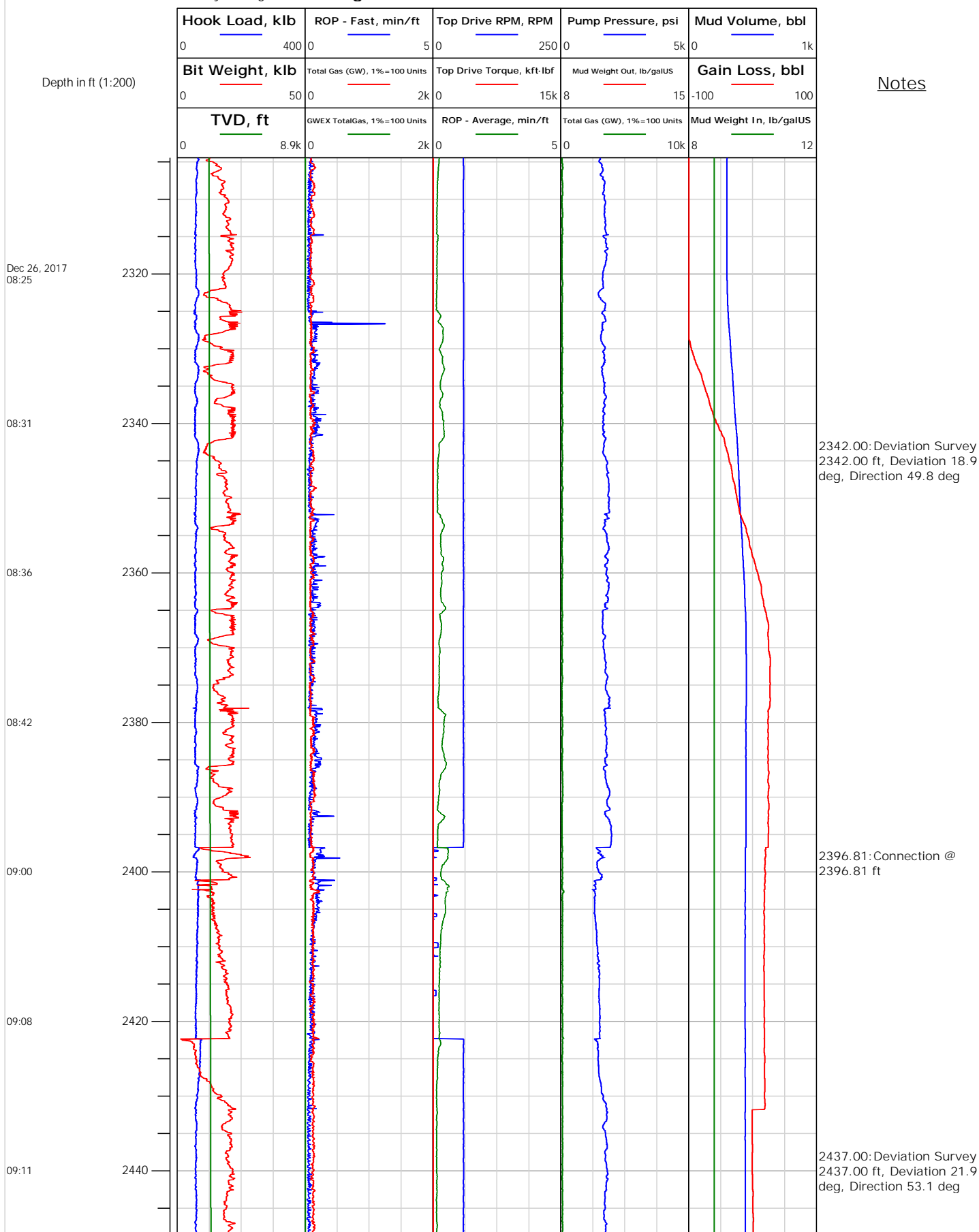
Electronic Drilling Recorder

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Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-04E
Rig: 290

Location:

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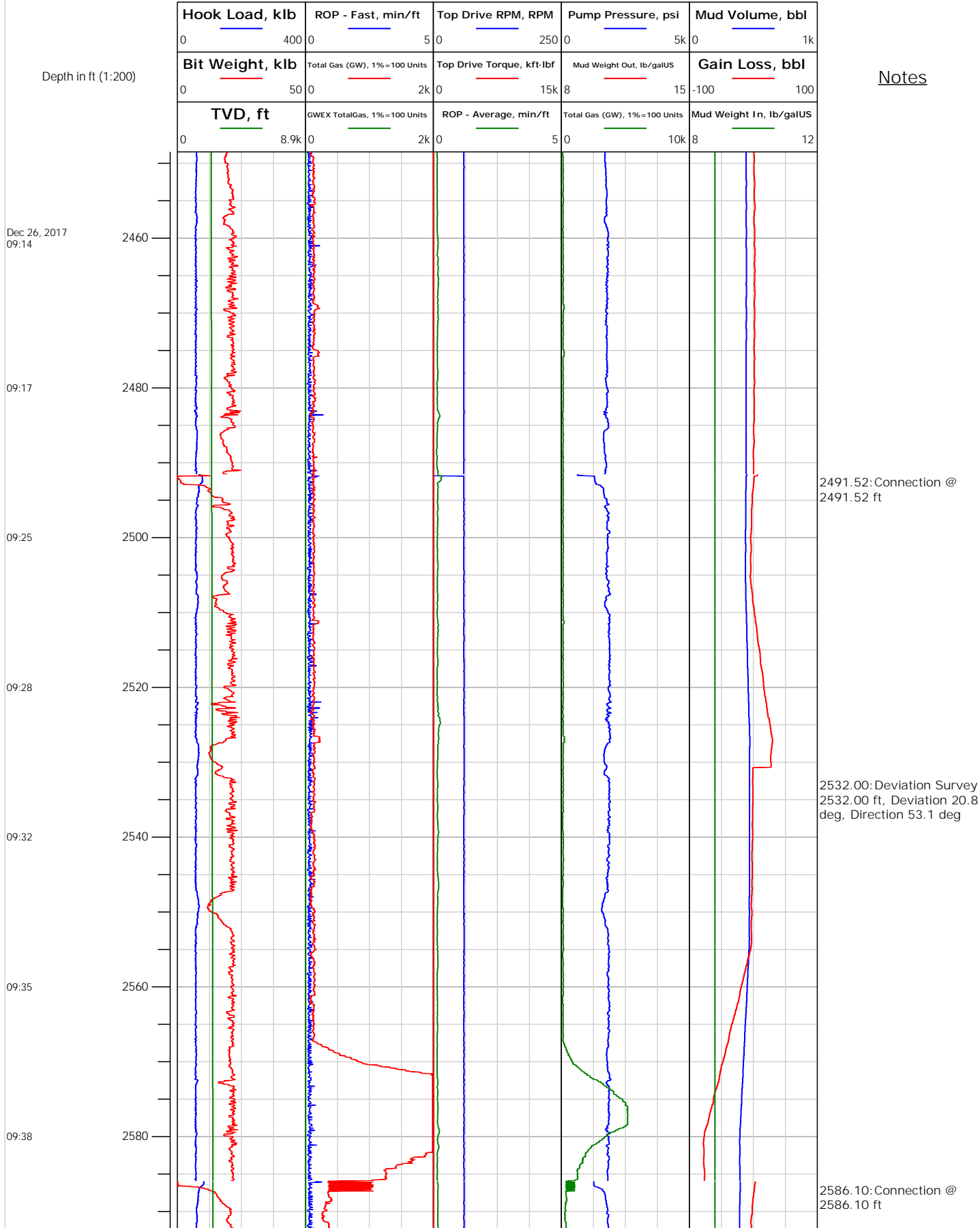
Electronic Drilling Recorder

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Well Name: Nichols 24-04E
Rig: 290

Location:

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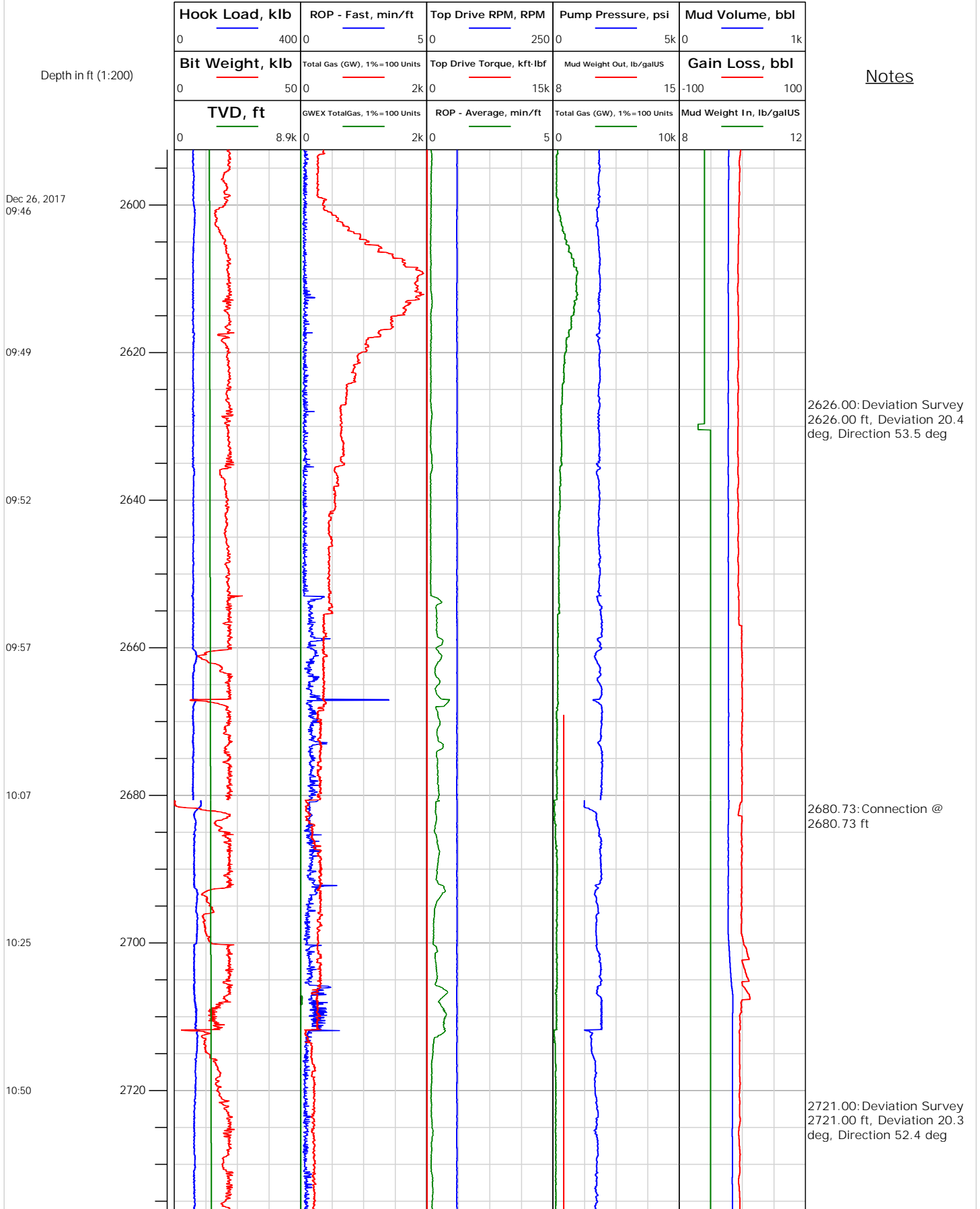
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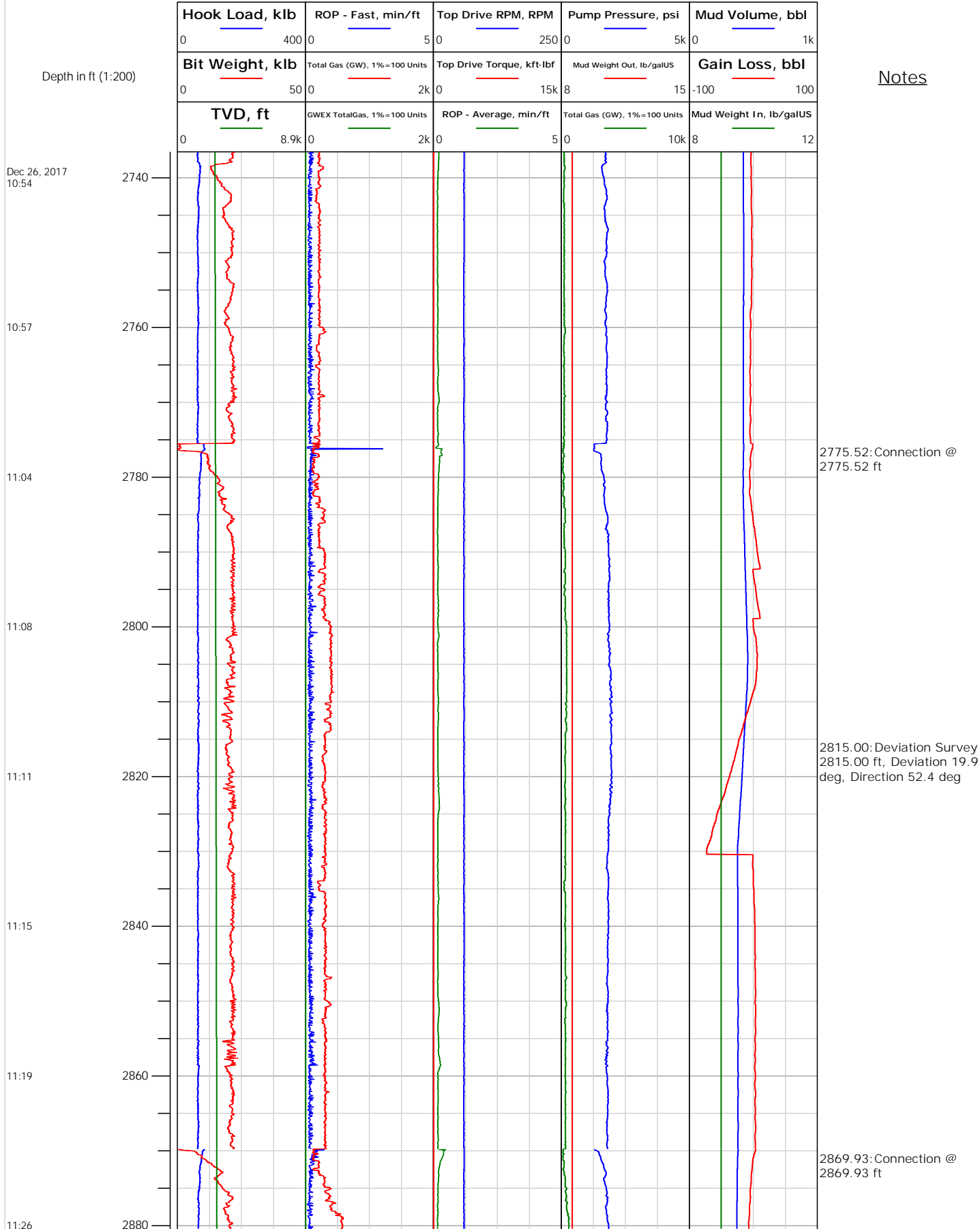
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Rig: 290

Location:

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Electronic Drilling Recorder

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Well Name: Nichols 24-04E
Rig: 290

Location:

Depth in ft (1:200)

Notes

Dec 26, 2017
11:31

11:43

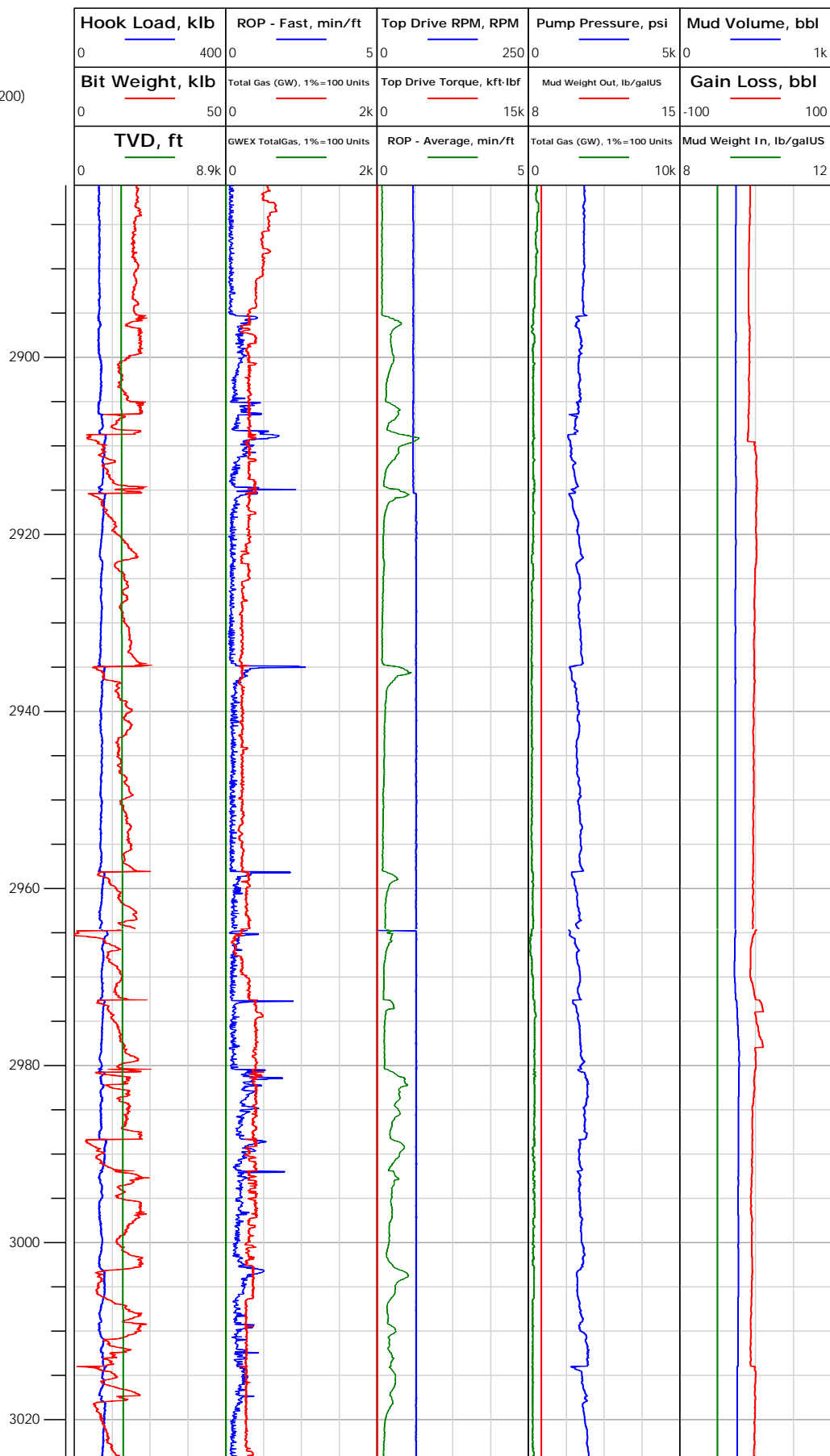
11:49

11:55

12:03

12:17

12:36



2910.00: Deviation Survey
2910.00 ft, Deviation 19.6
deg, Direction 53.1 deg

2964.67: Connection @
2964.67 ft

3005.00: Deviation Survey
3005.00 ft, Deviation 19.4
deg, Direction 53.3 deg



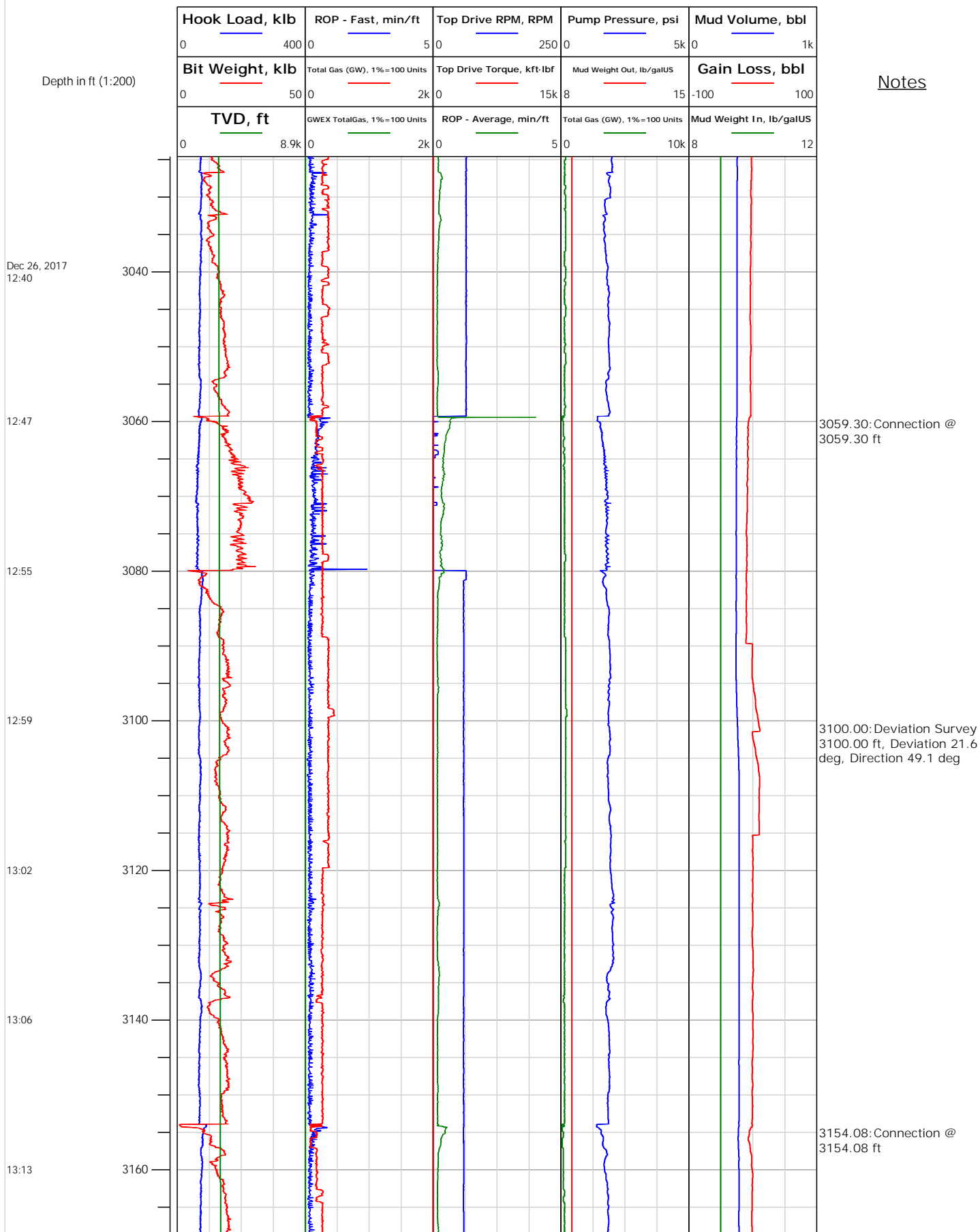
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-04E
Rig: 290

Location:

Notes





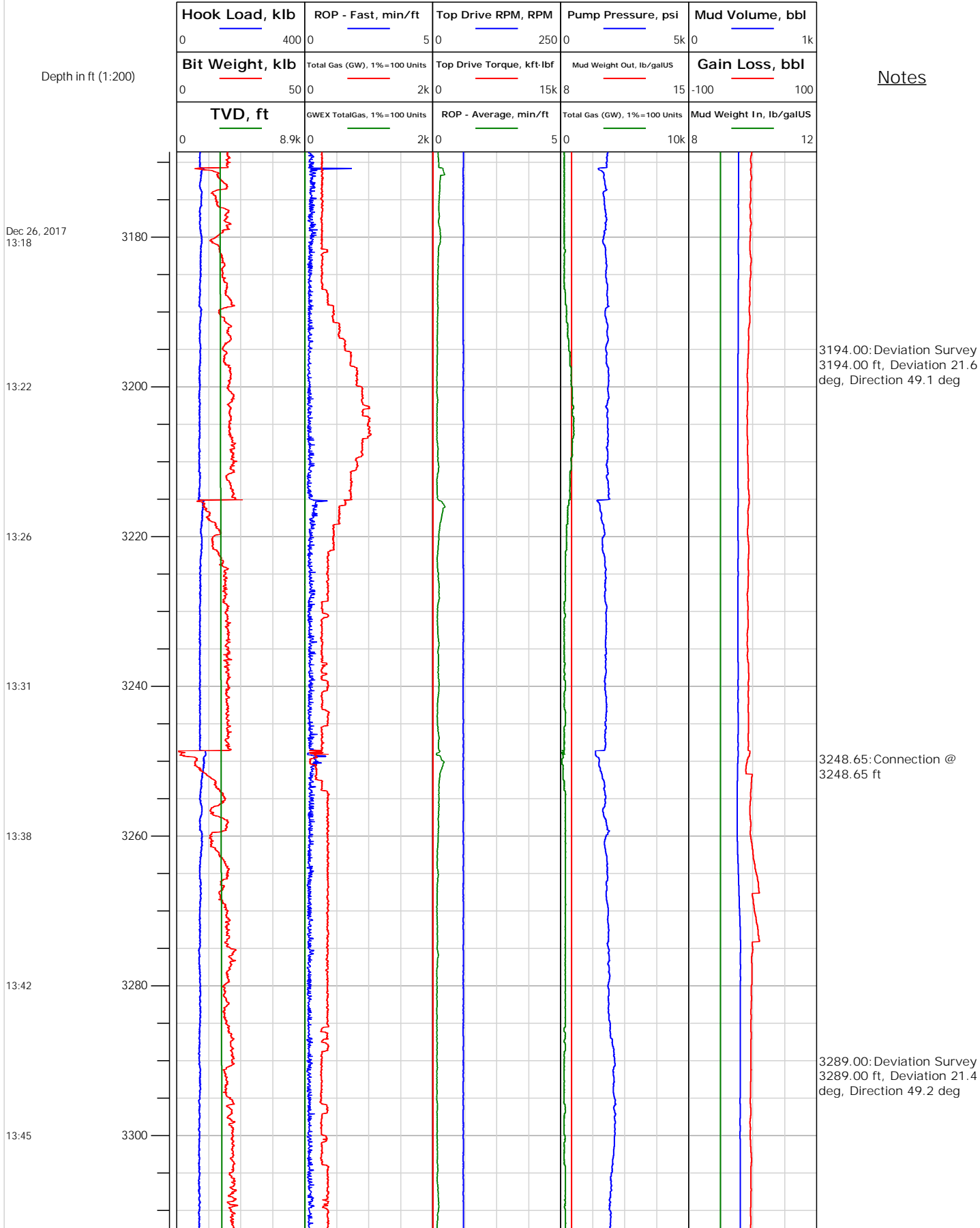
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-04E
Rig: 290

Location:

Notes





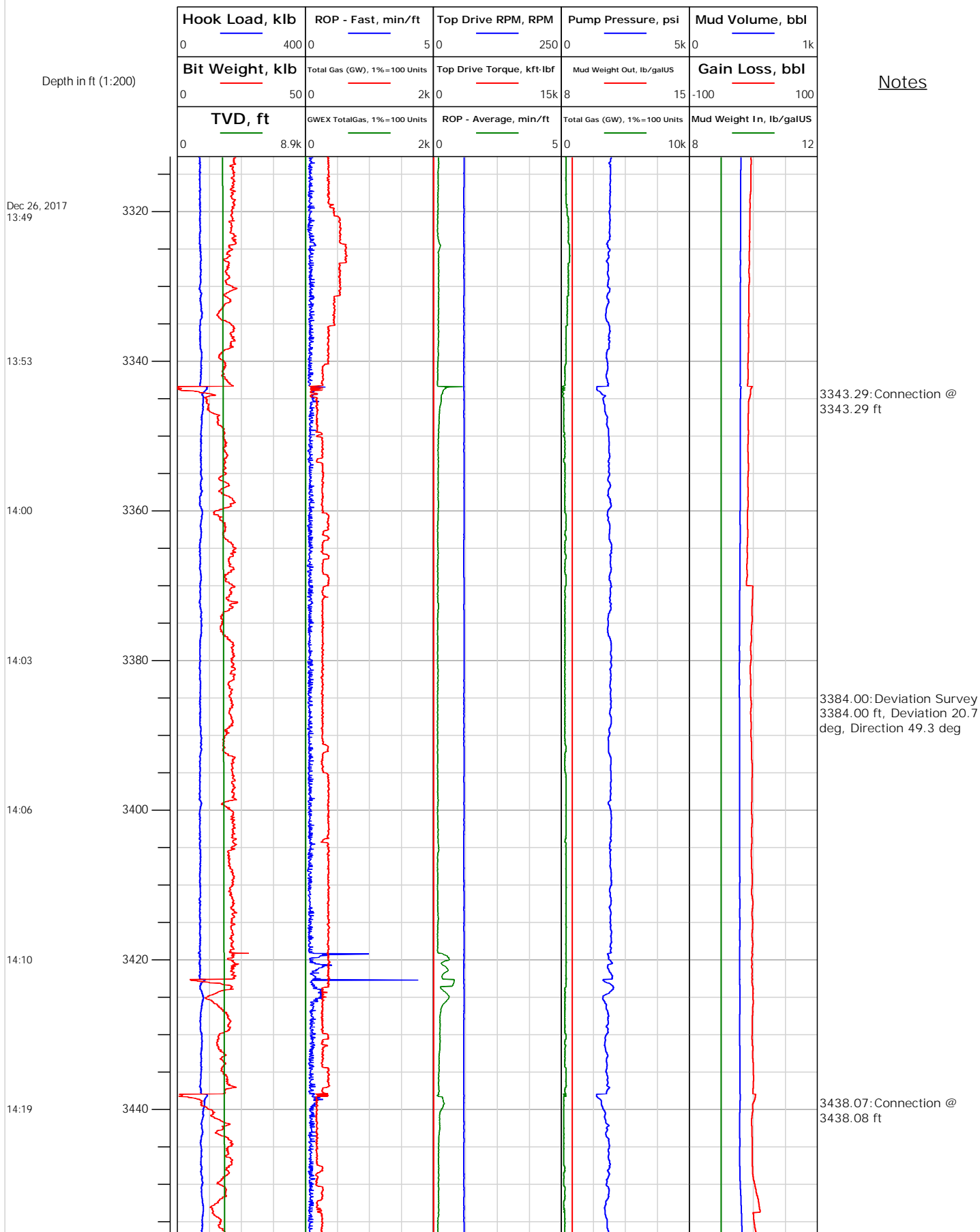
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-04E
Rig: 290

Location:

Notes





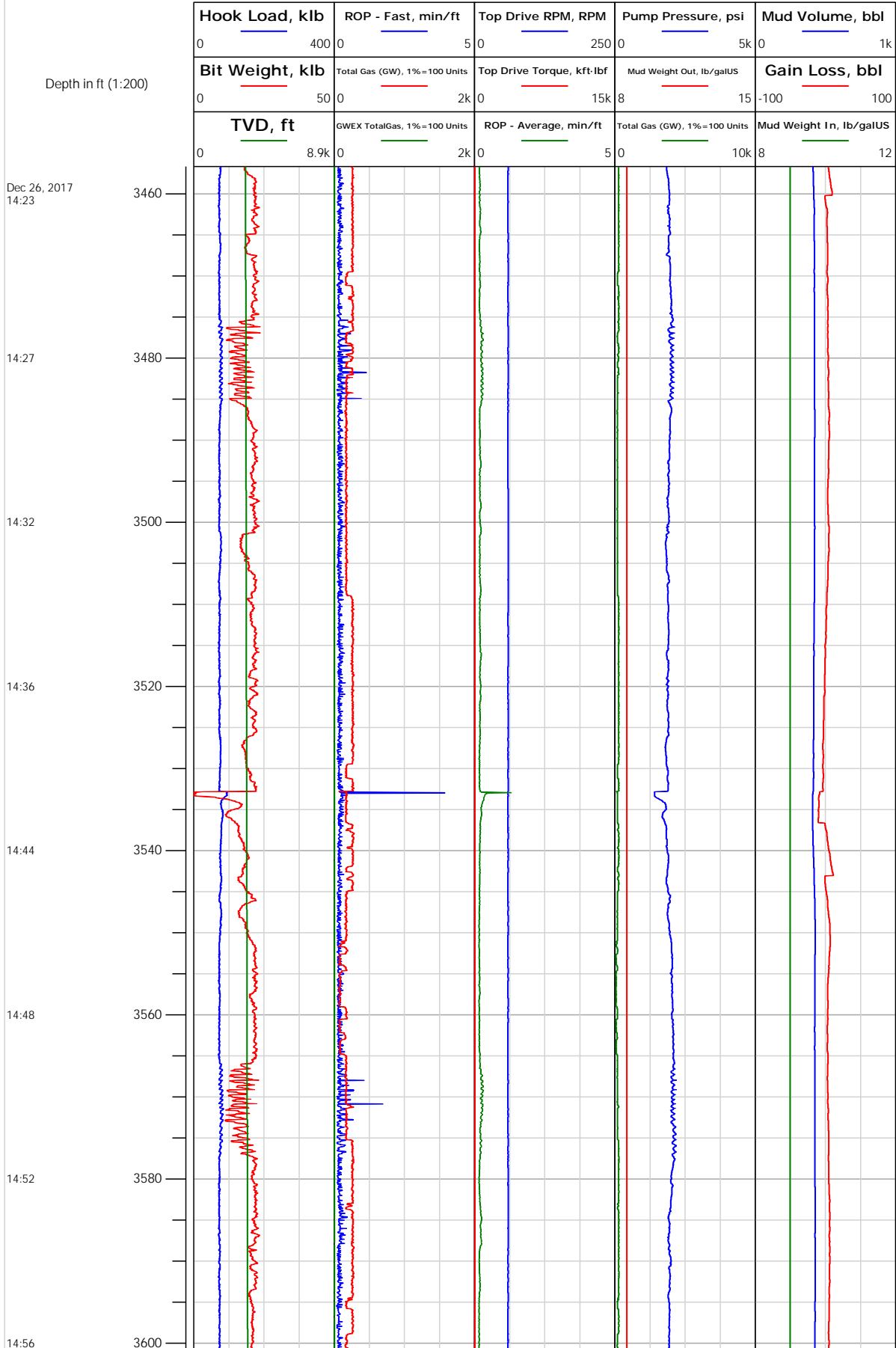
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Well Name: Nichols 24-04E
Rig: 290

Location:

Notes



3477.99: Deviation Survey
 3478.00 ft, Deviation 20.6 deg, Direction 50 deg

3532.87: Connection @
 3532.87 ft

3573.00: Deviation Survey
 3573.00 ft, Deviation 20.3 deg, Direction 49.3 deg



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Rig: 290

Location:

Notes

Depth in ft (1:200)

Dec 26, 2017
14:59

15:06

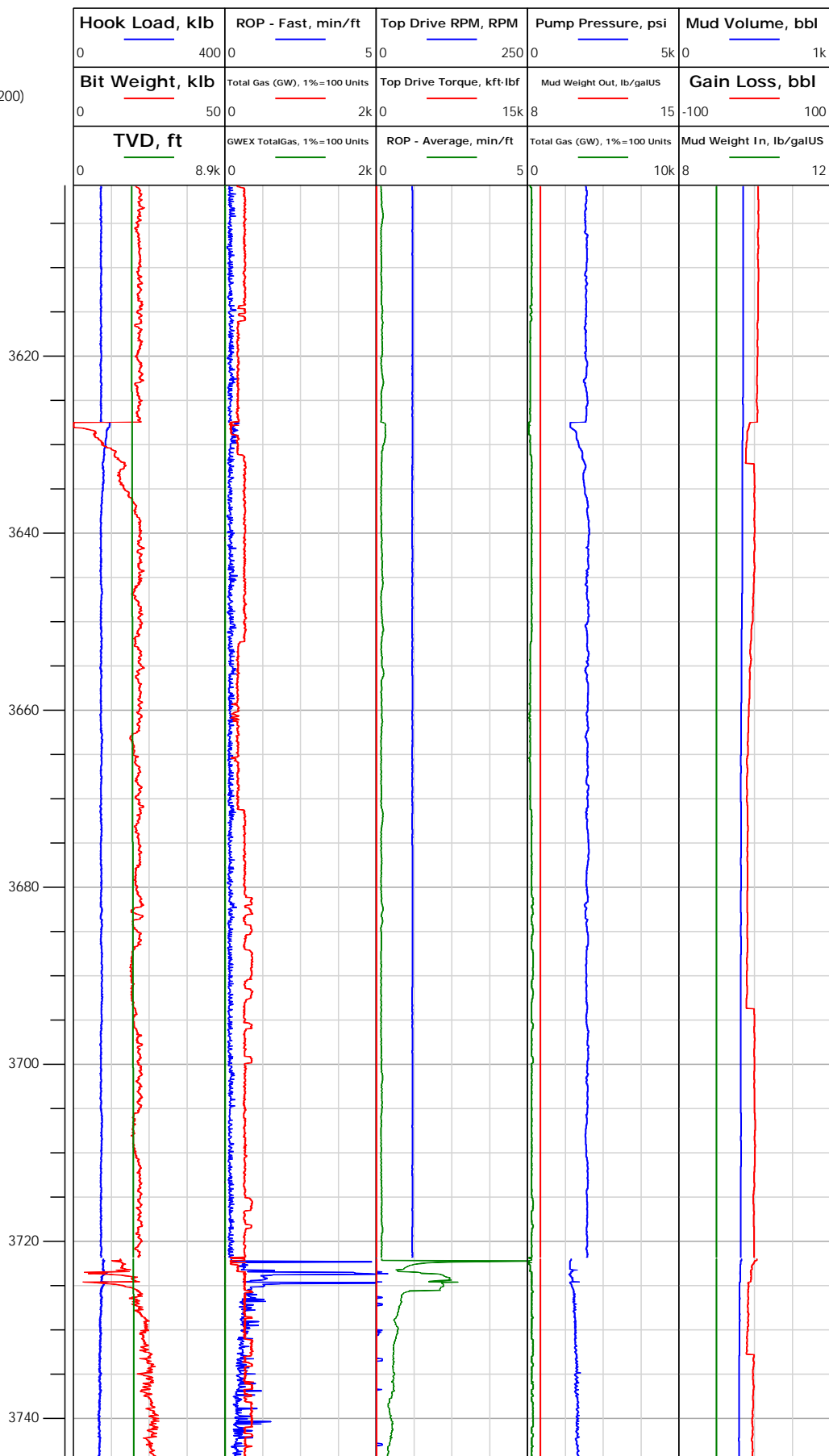
15:10

15:13

15:17

15:20

15:39



3627.40: Connection @
3627.40 ft

3667.00: Deviation Survey
3667.00 ft, Deviation 19.7
deg, Direction 48.5 deg

3721.96: Connection @
3721.96 ft



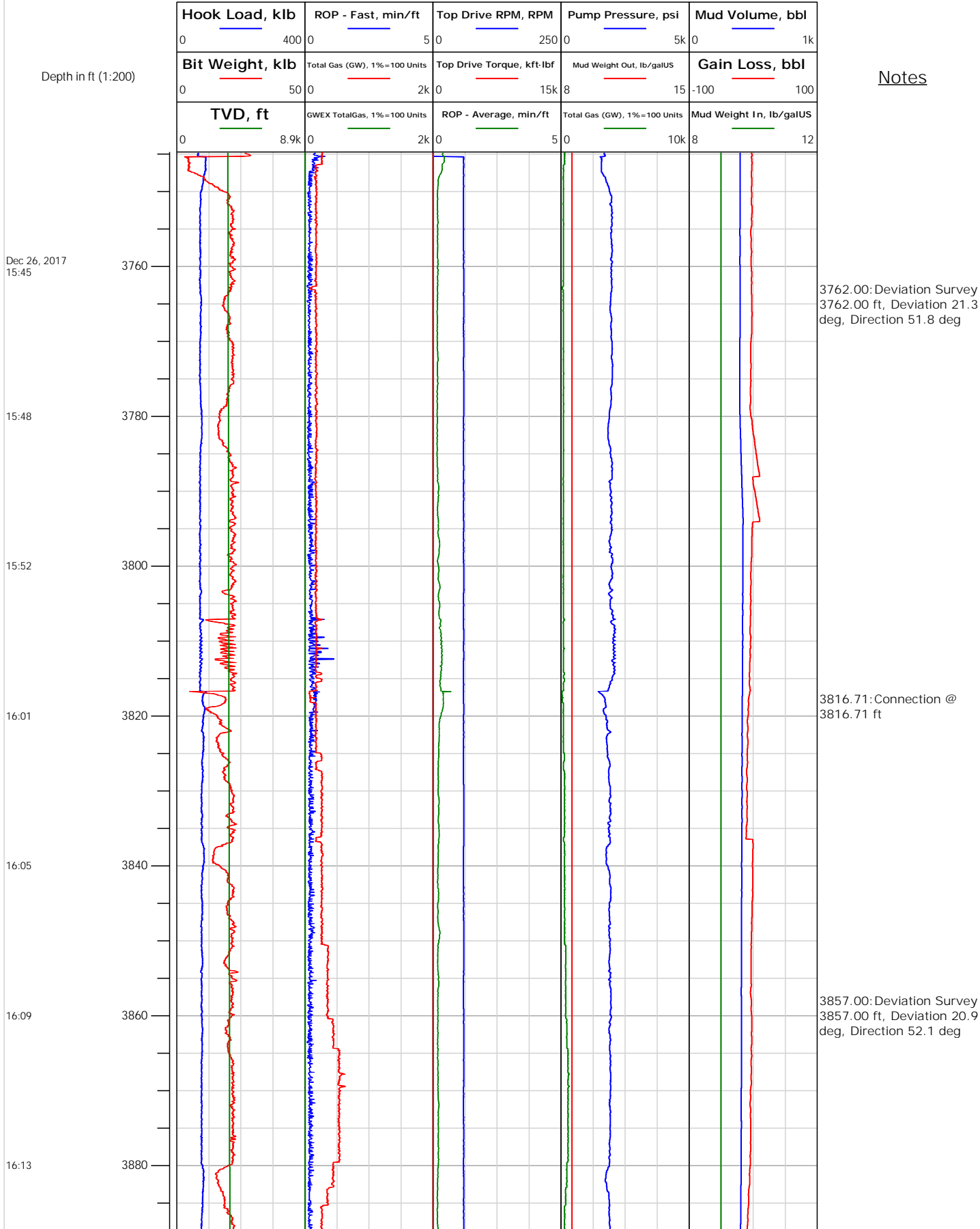
Electronic Drilling Recorder

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Well Name: Nichols 24-04E
Rig: 290

Location:

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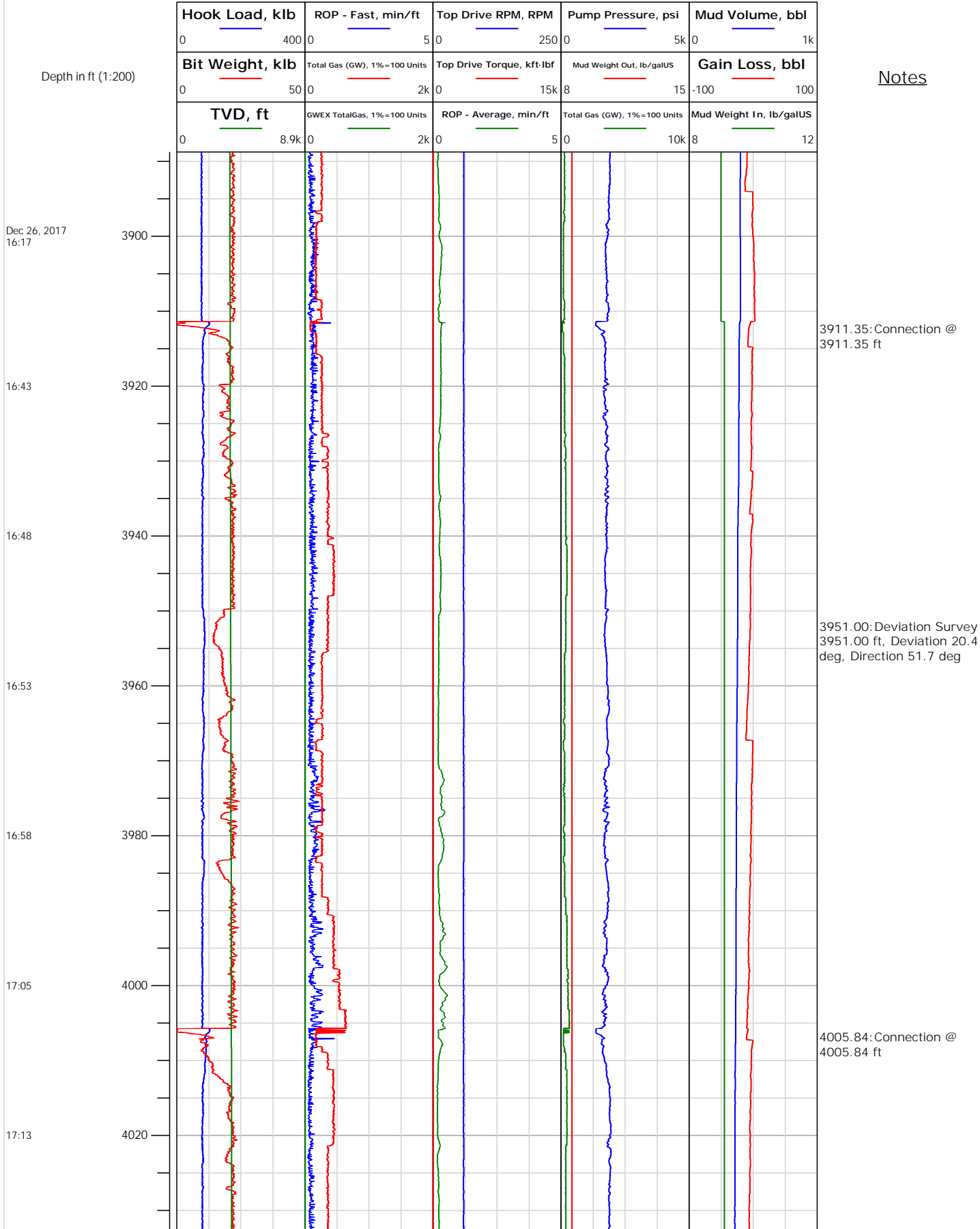
Electronic Drilling Recorder

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Rig: 290

Location:

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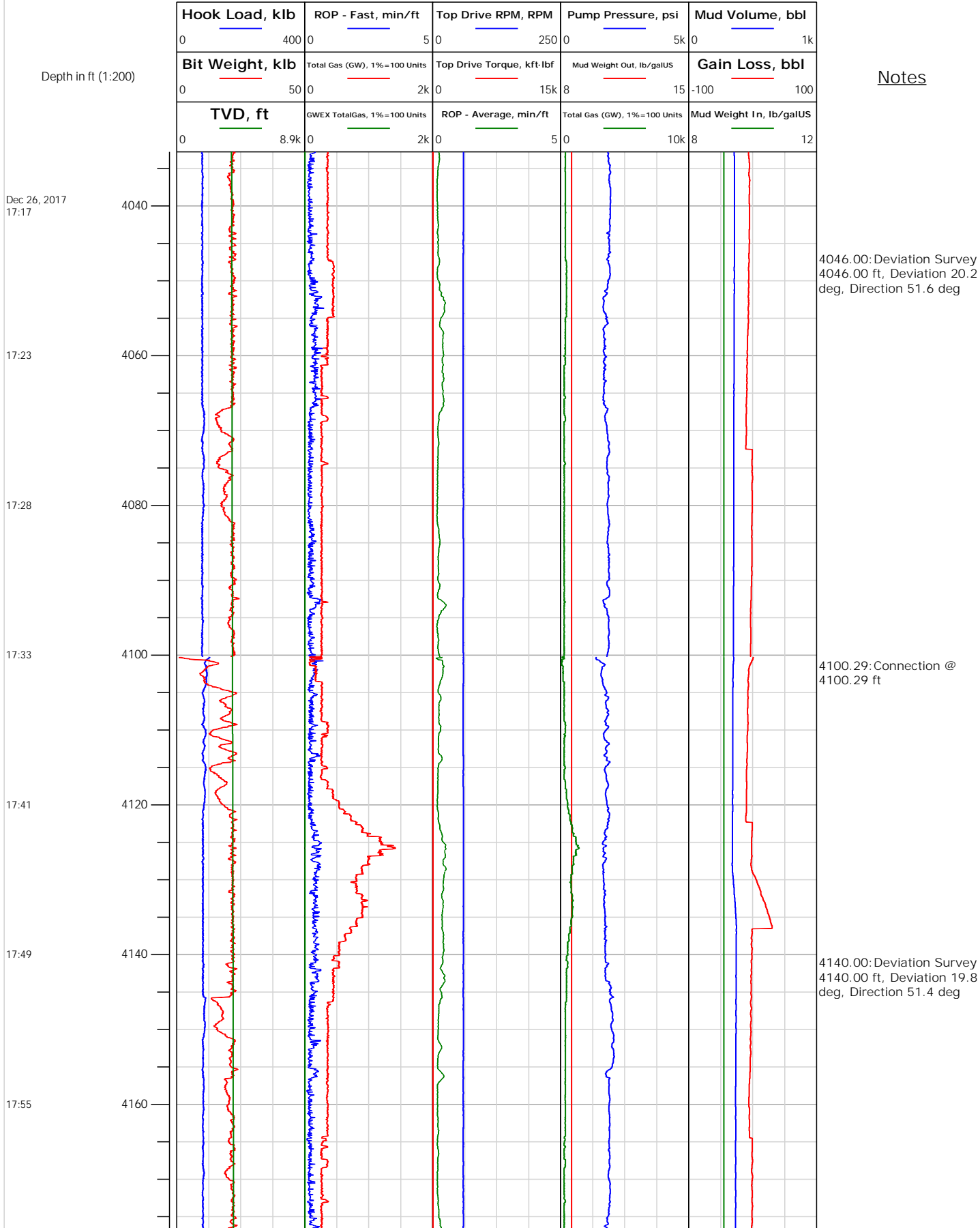
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-04E
Rig: 290

Location:

Notes





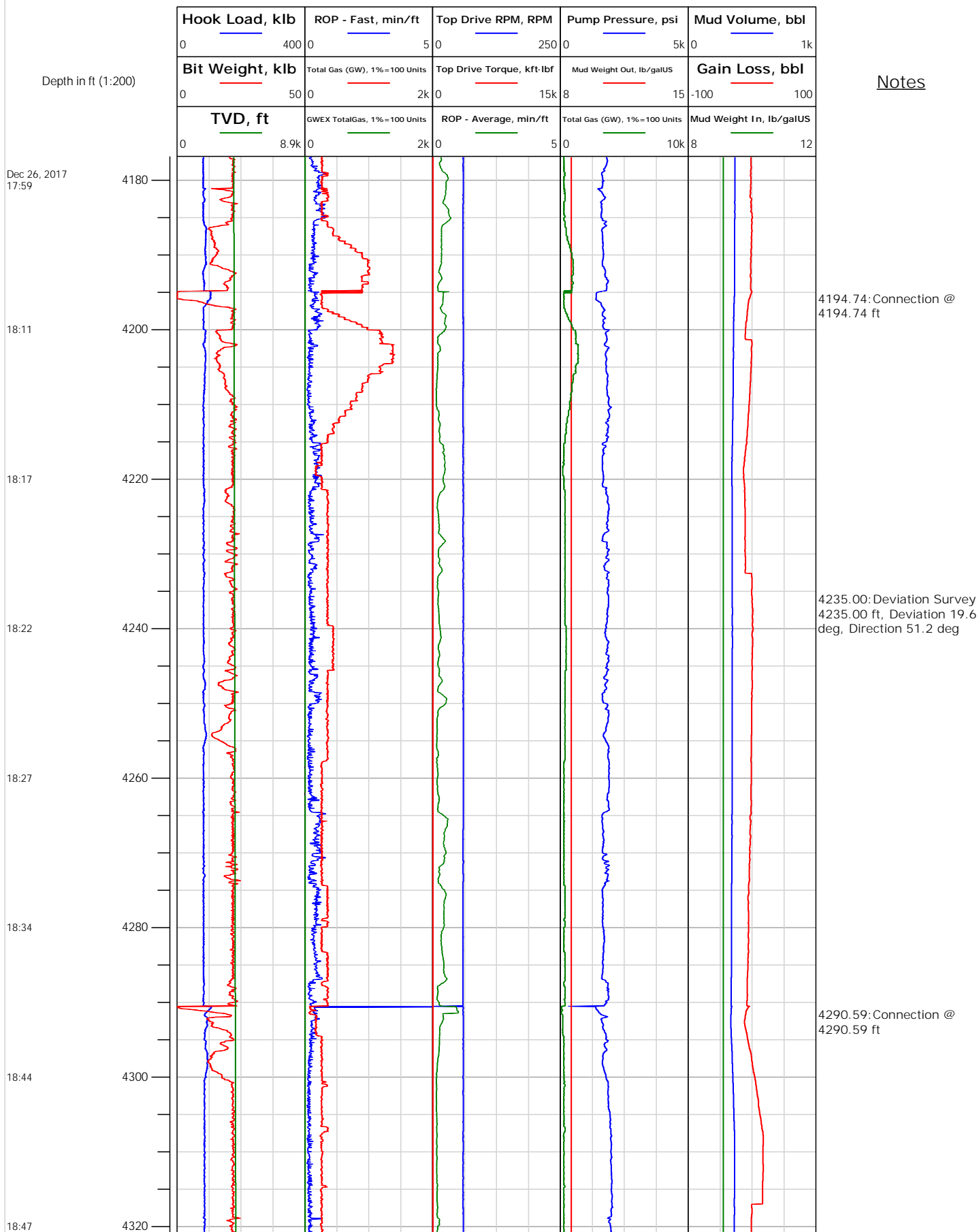
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Well Name: Nichols 24-04E
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-04E
Rig: 290

Location:

Notes

Depth in ft (1:200)

Dec 26, 2017
18:54

19:01

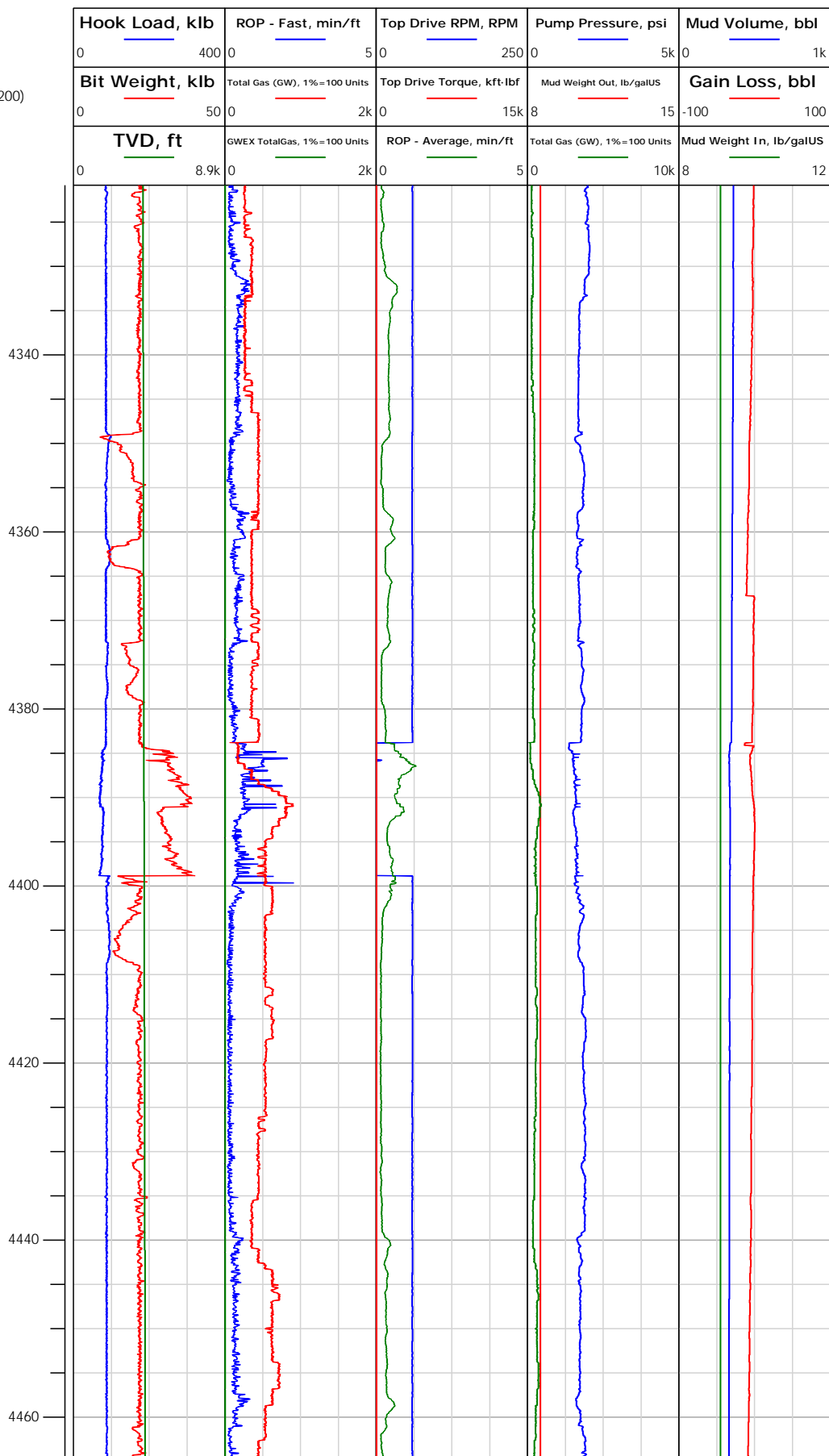
19:07

19:25

19:29

19:33

19:40



4329.00: Deviation Survey
4329.00 ft, Deviation 19.2 deg, Direction 49.7 deg

4383.88: Connection @
4383.88 ft

4424.00: Deviation Survey
4424.00 ft, Deviation 19.1 deg, Direction 51.4 deg



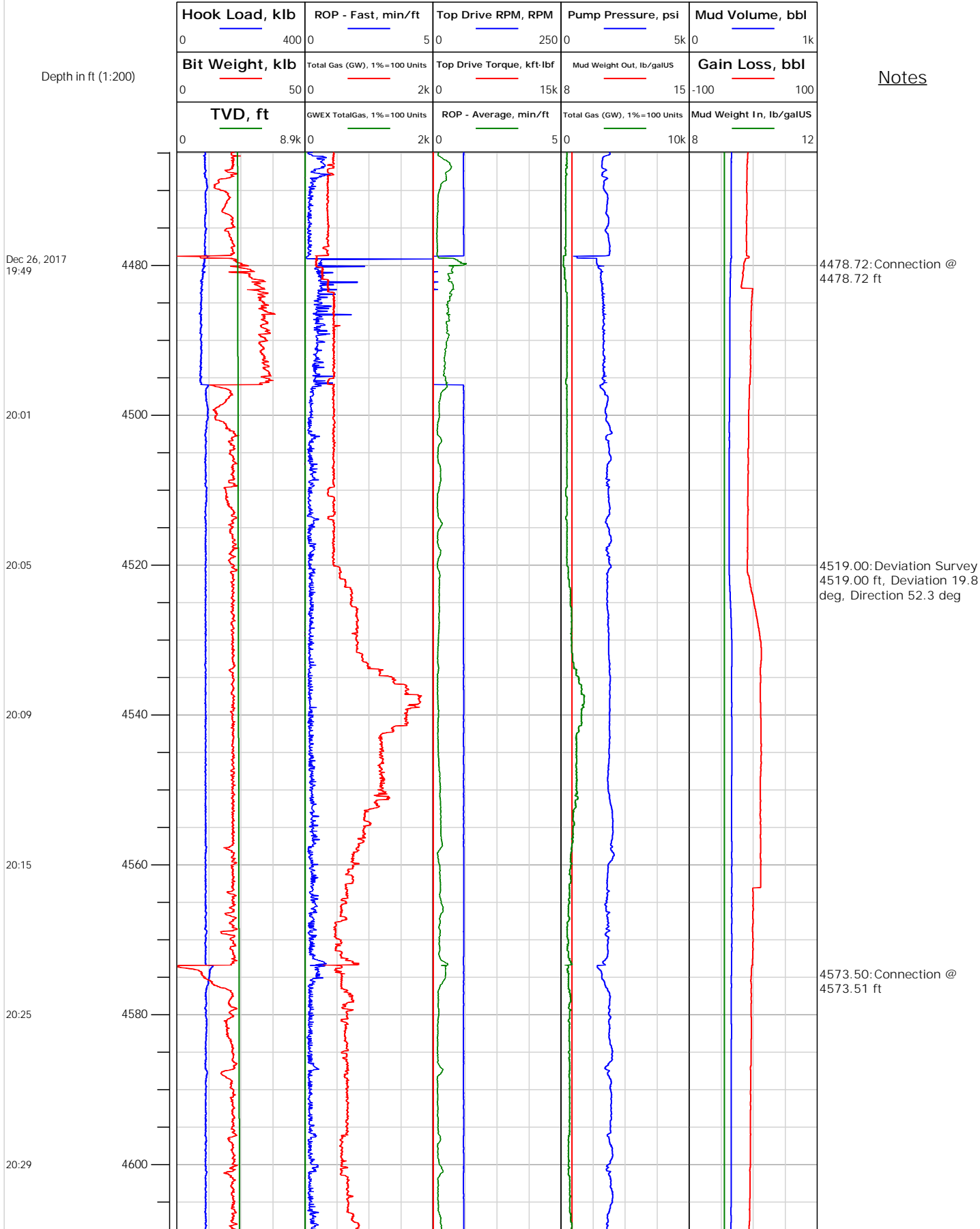
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-04E
Rig: 290

Location:

Notes





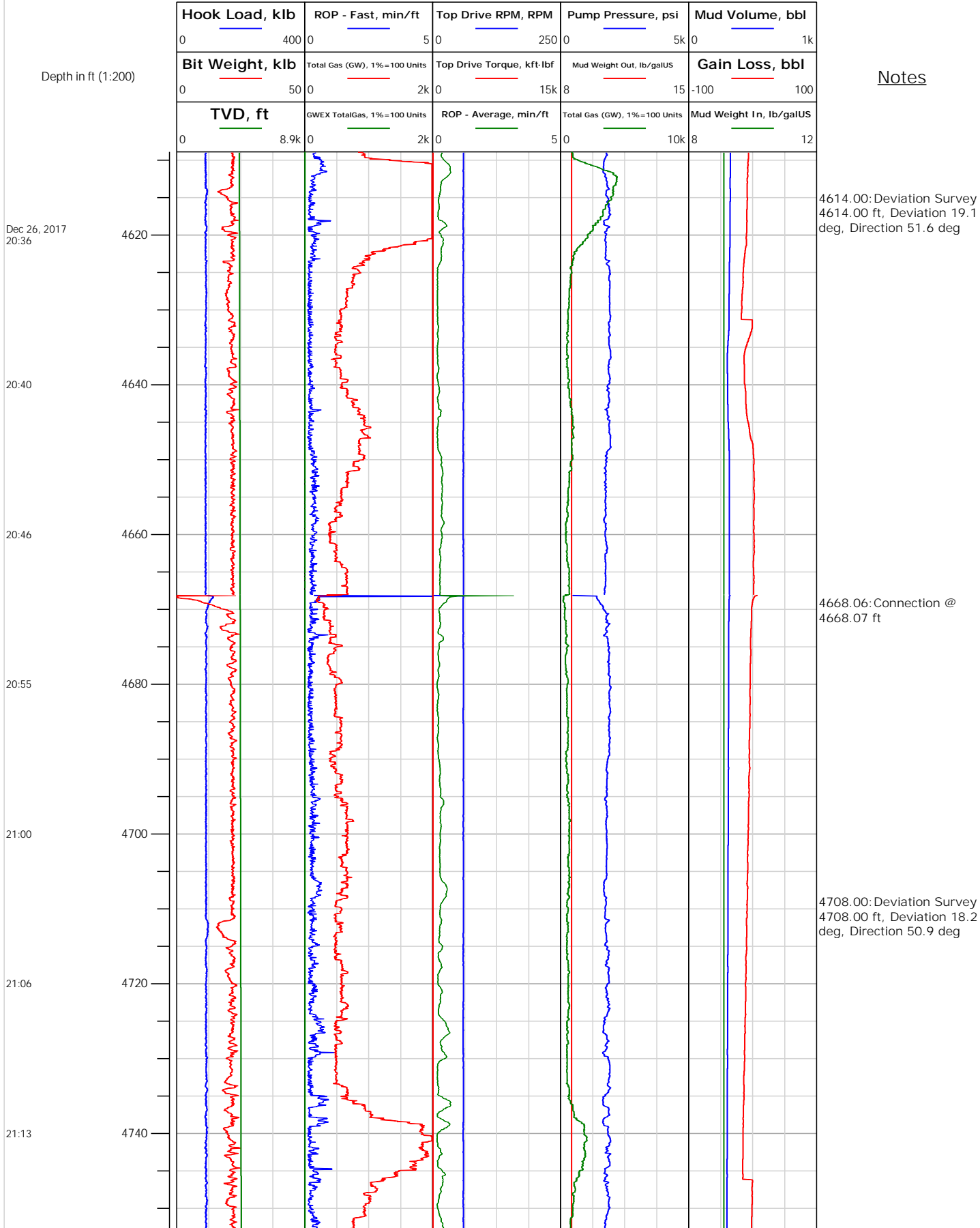
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Operator: Laramie Energy
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Rig: 290

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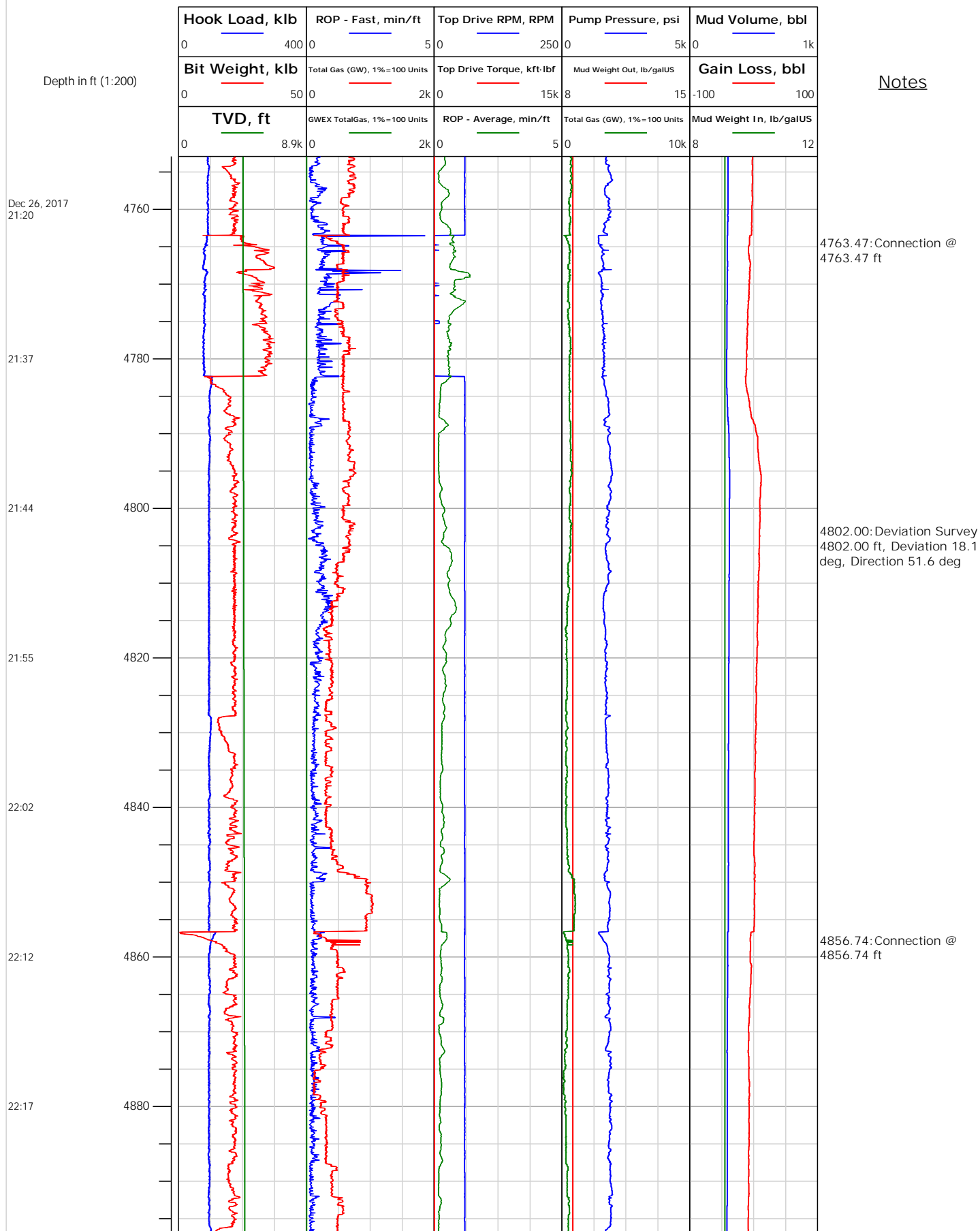
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Location:

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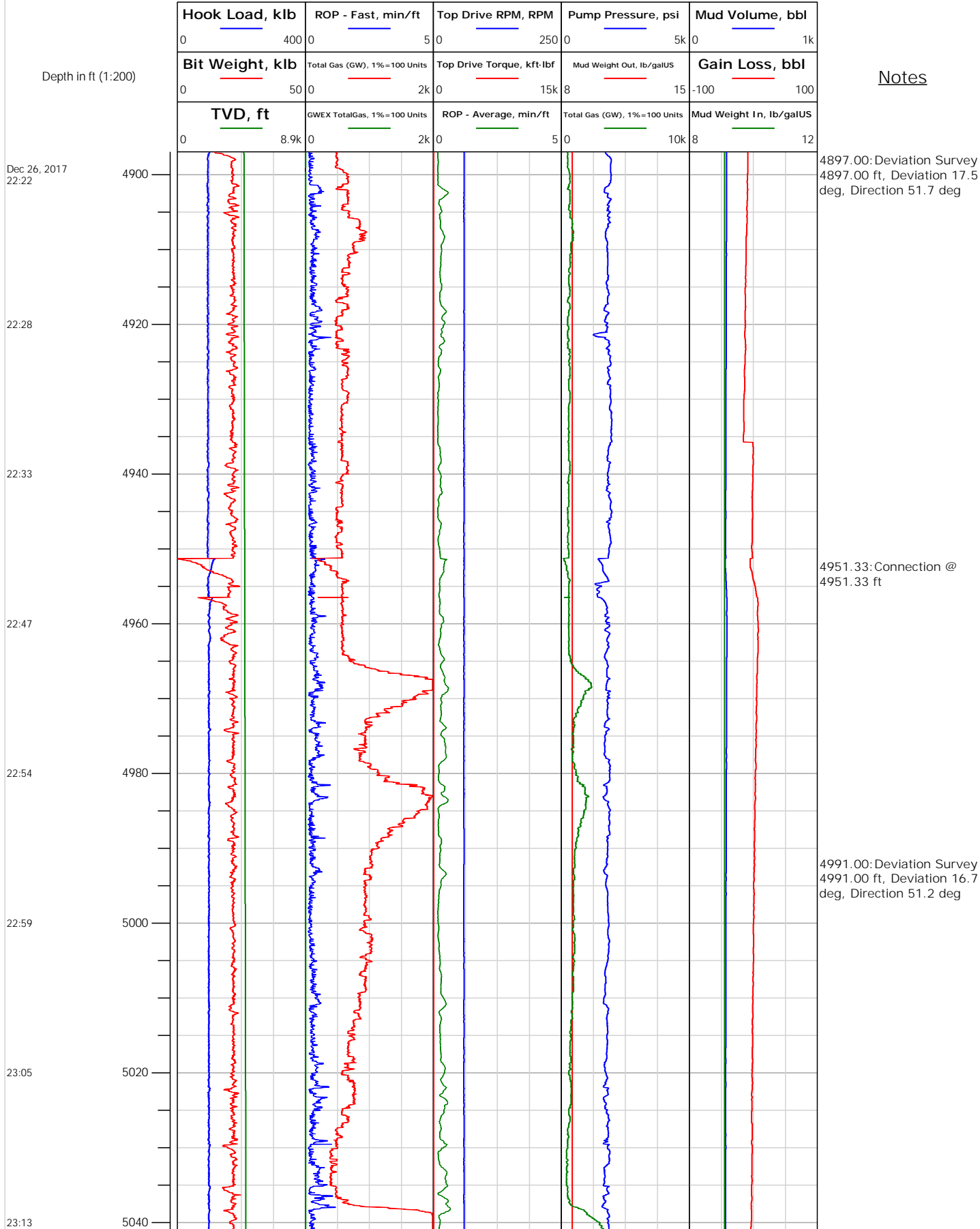
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Electronic Drilling Recorder

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Well Name: Nichols 24-04E
Rig: 290

Location:

Notes

Depth in ft (1:200)

Dec 26, 2017
23:24

23:31

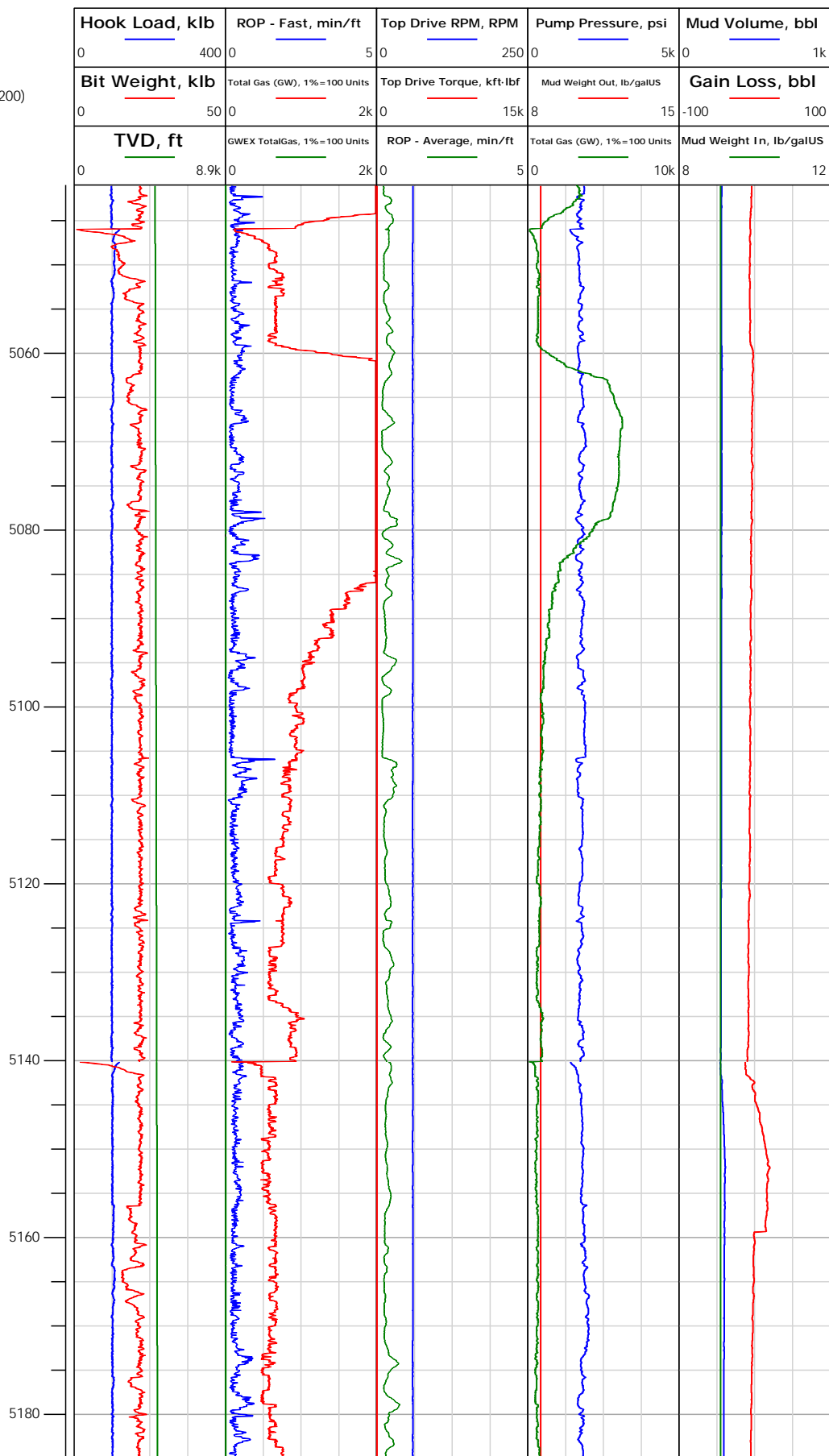
23:38

23:45

23:52

Dec 27, 2017
00:07

00:14





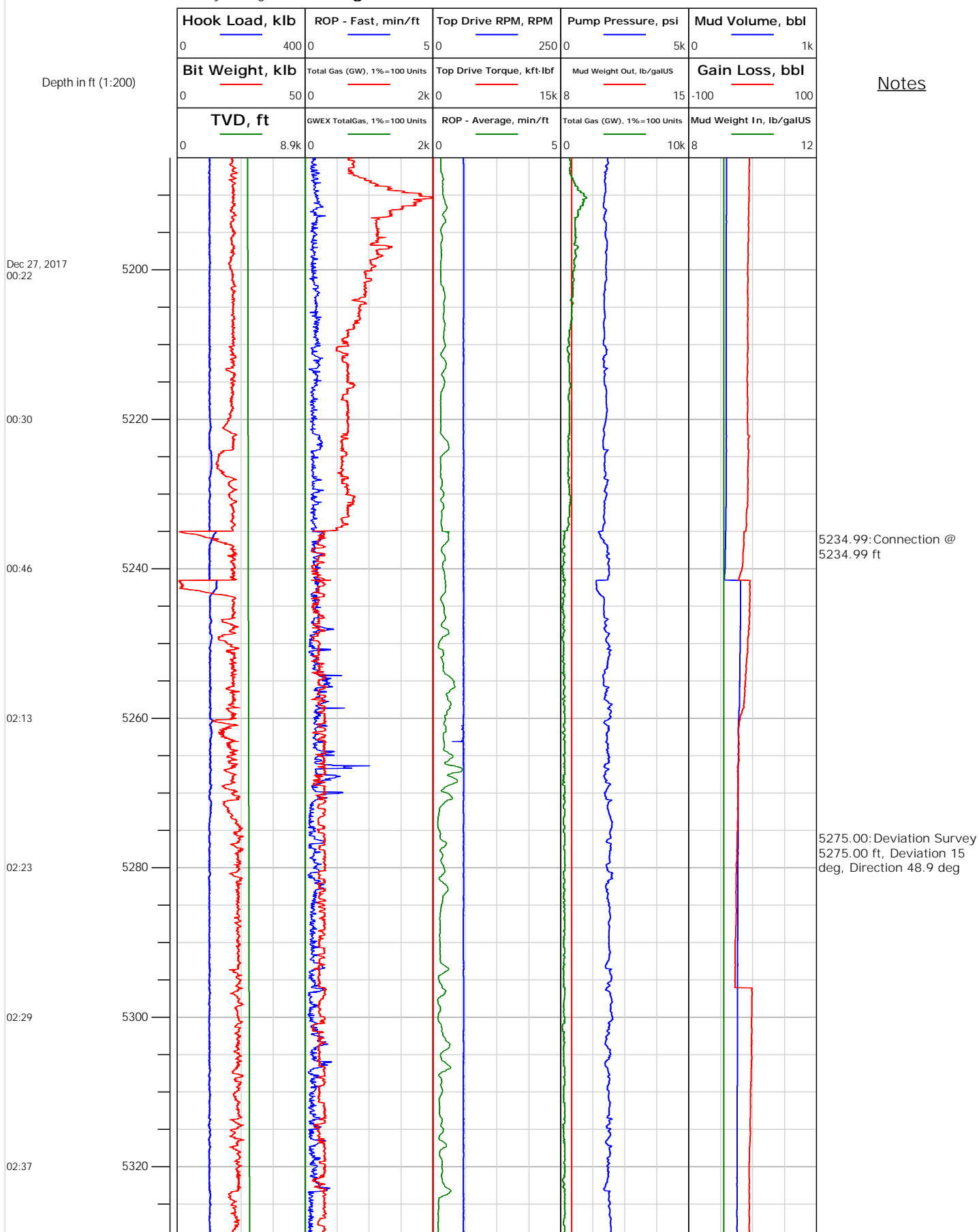
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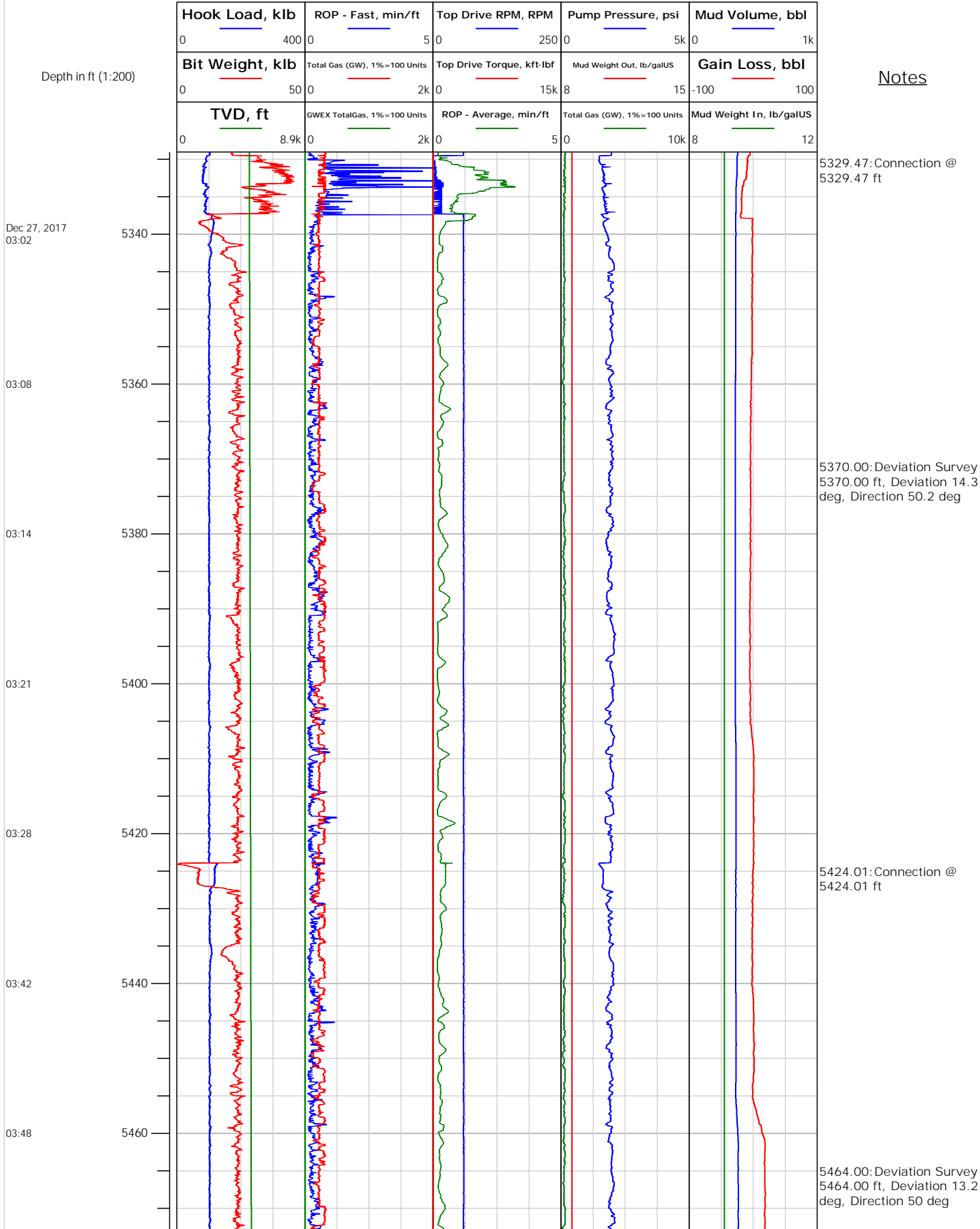
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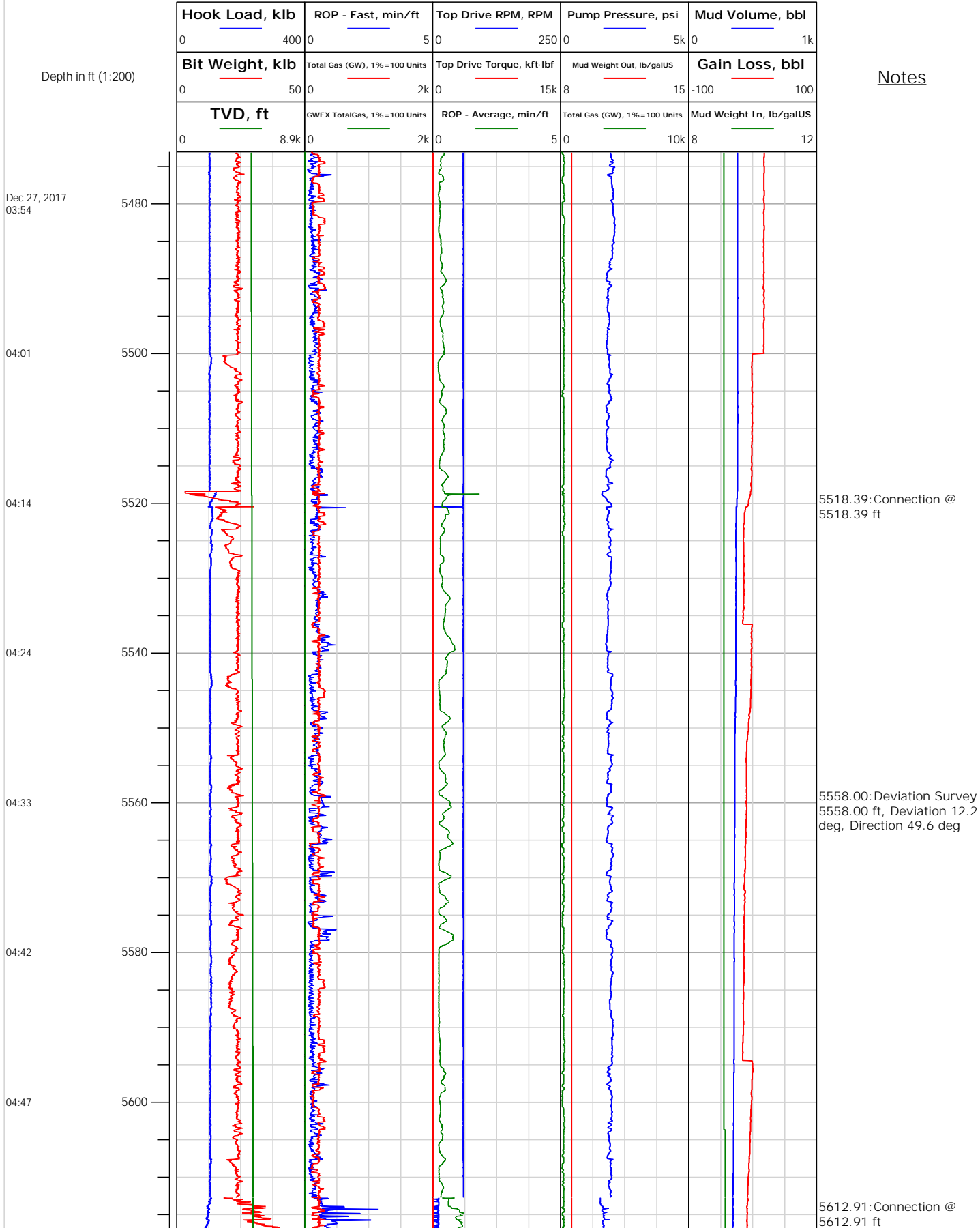
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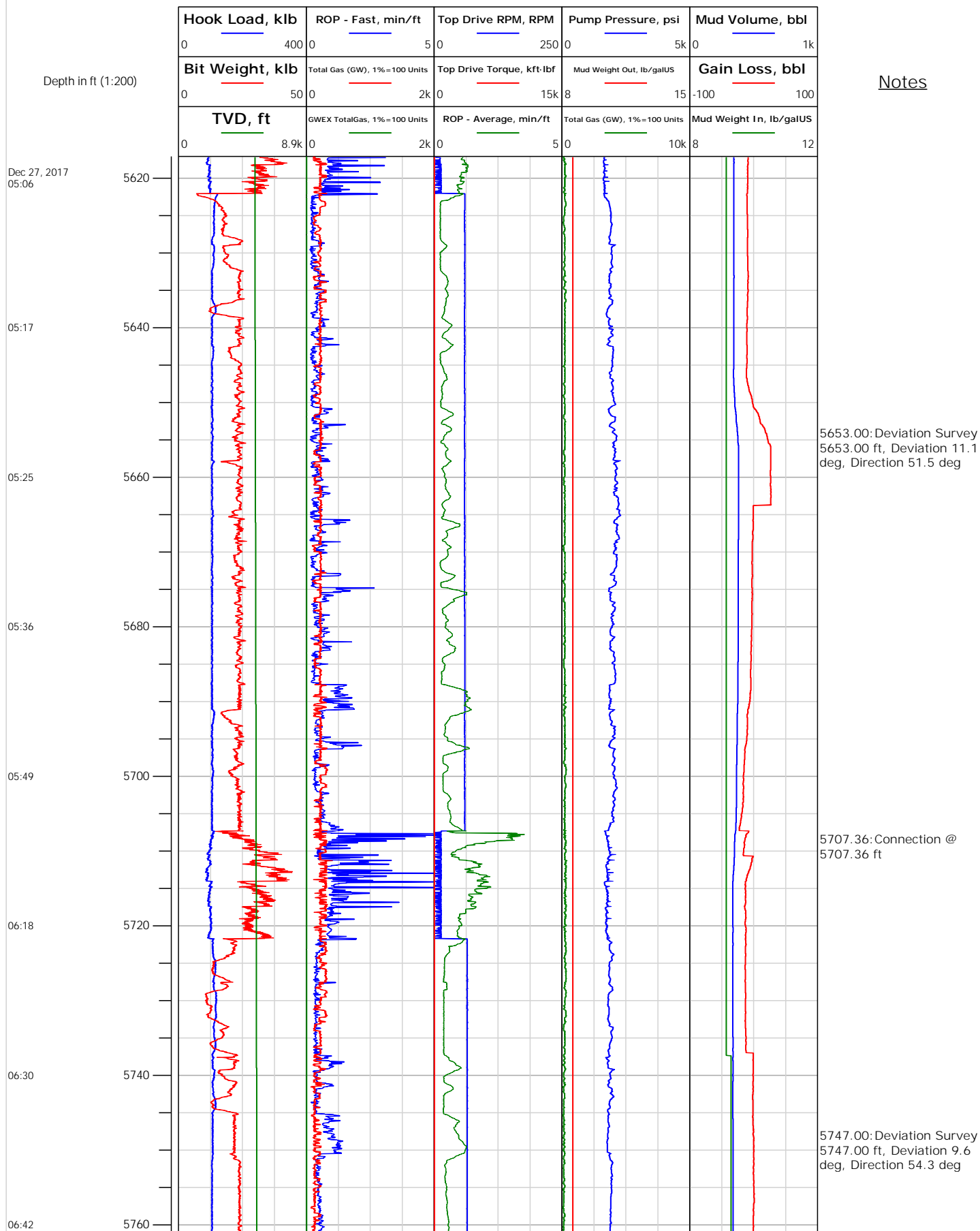
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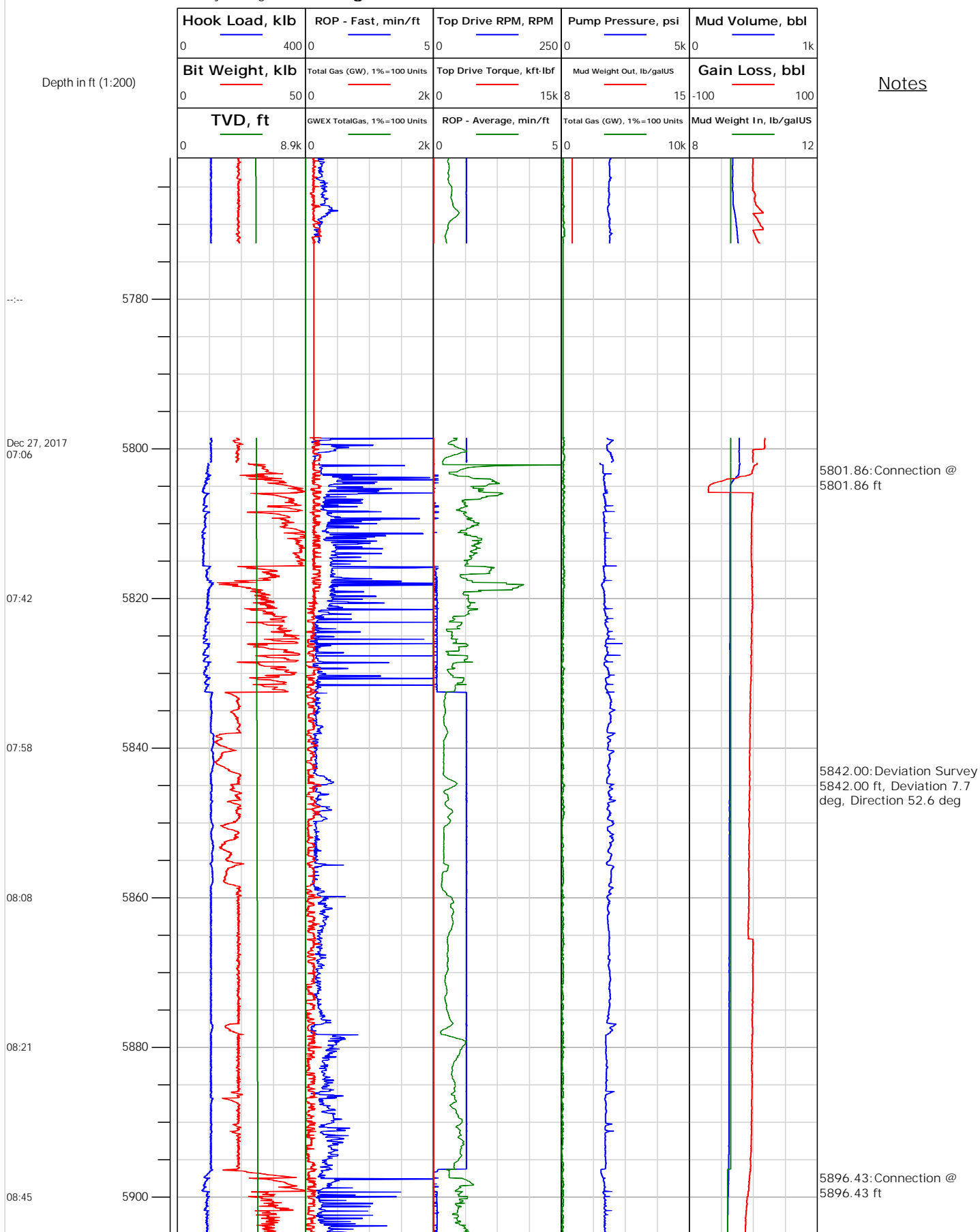
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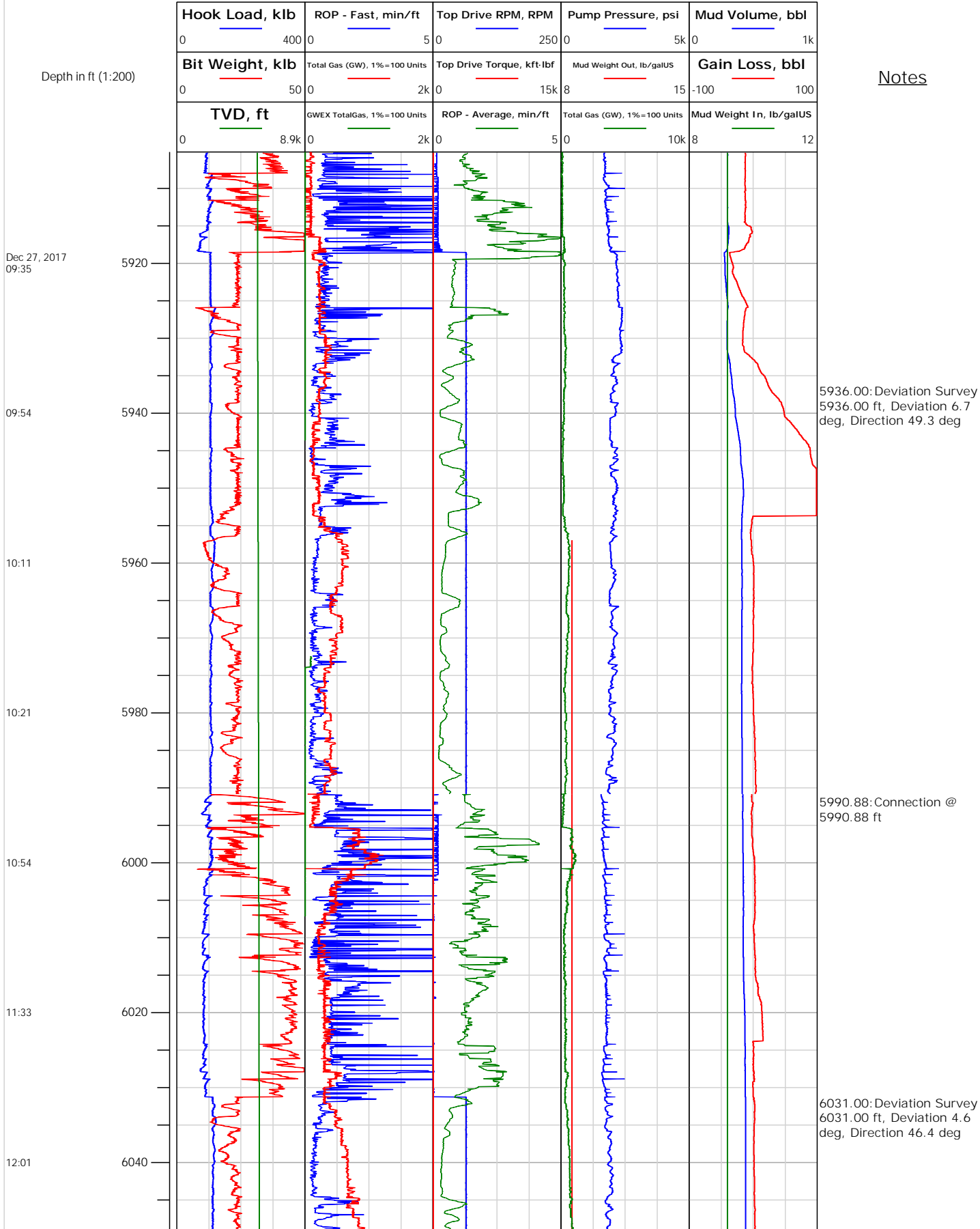
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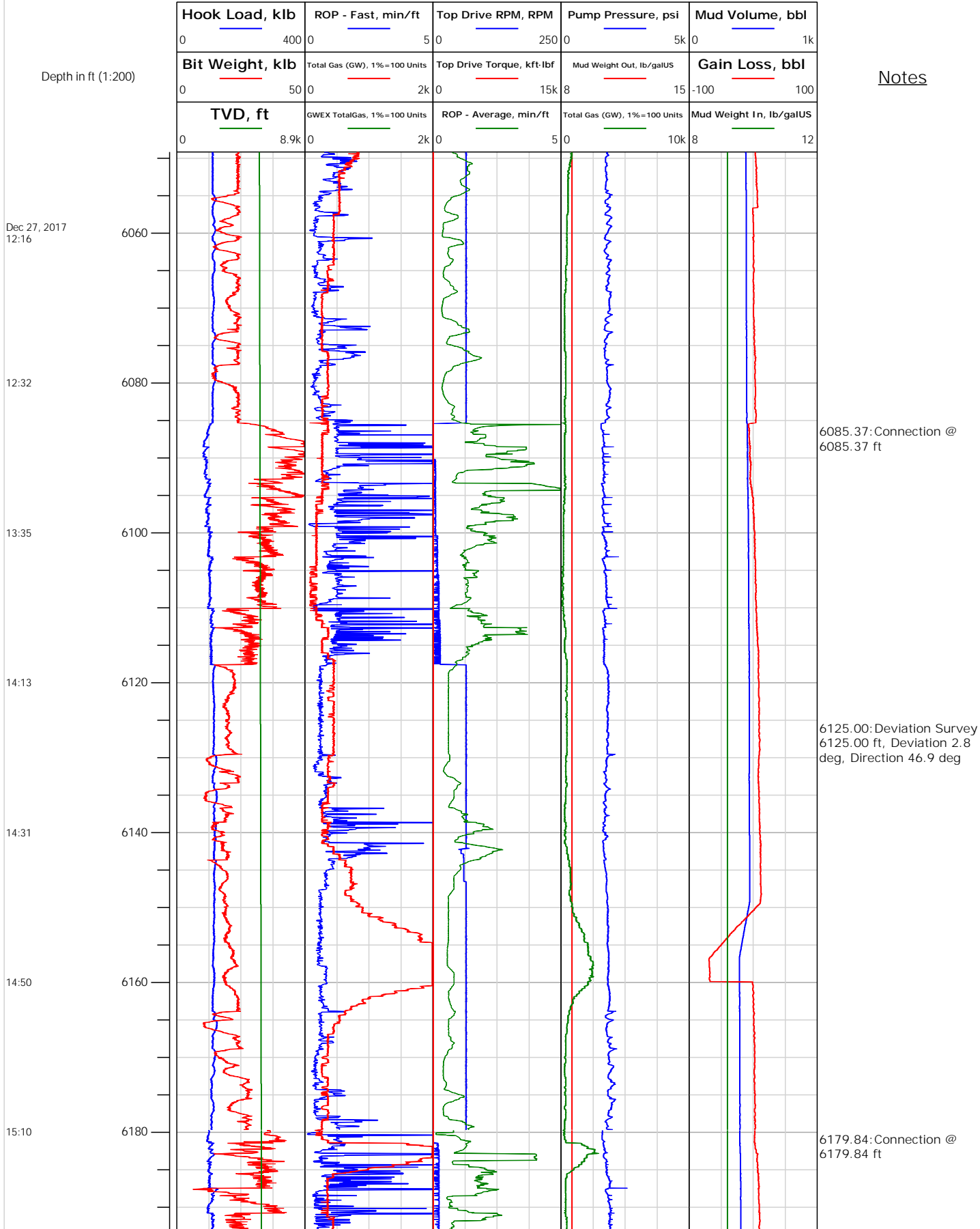
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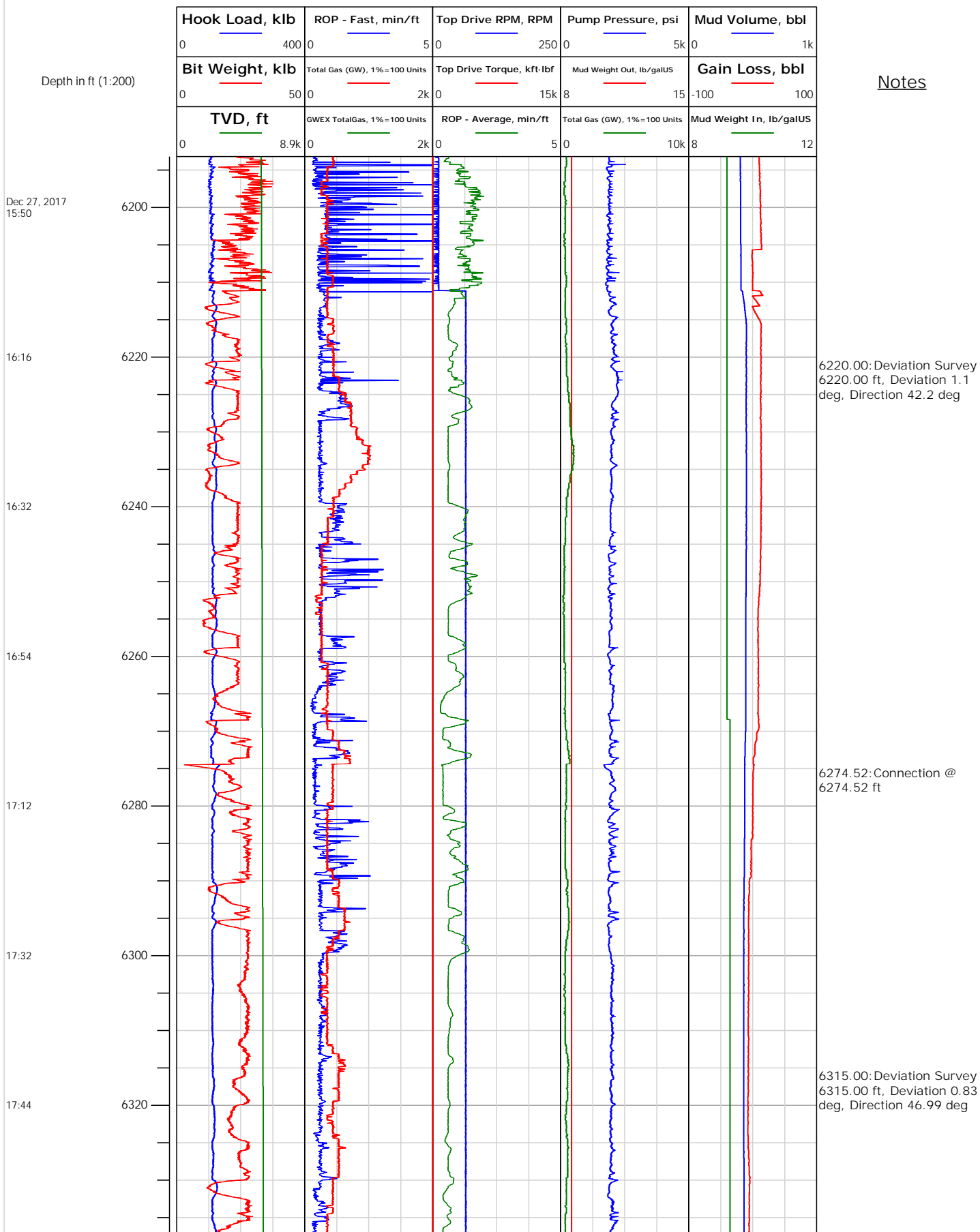
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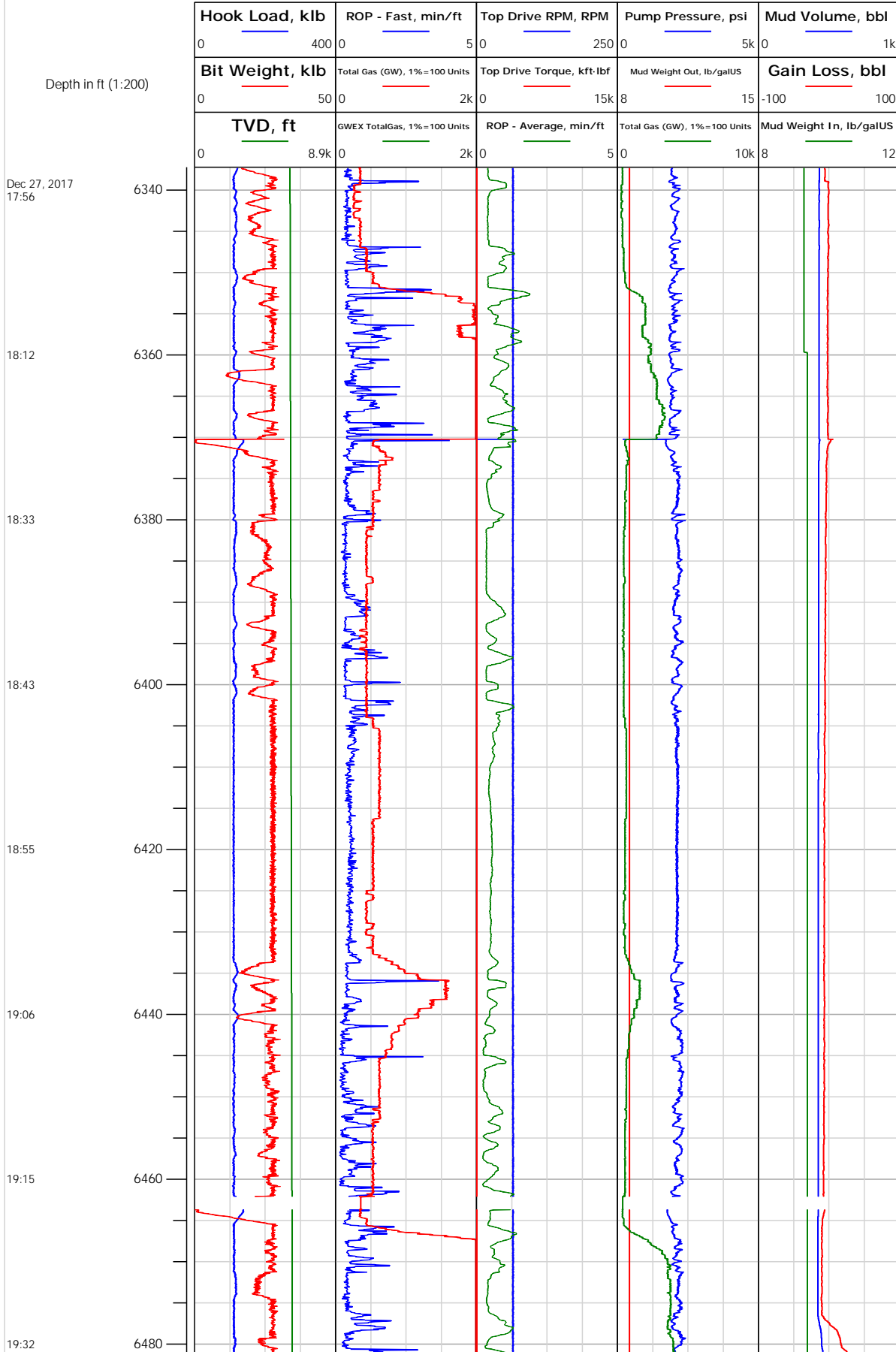
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Location:

Notes

Depth in ft (1:200)

Dec 27, 2017
19:46

20:00

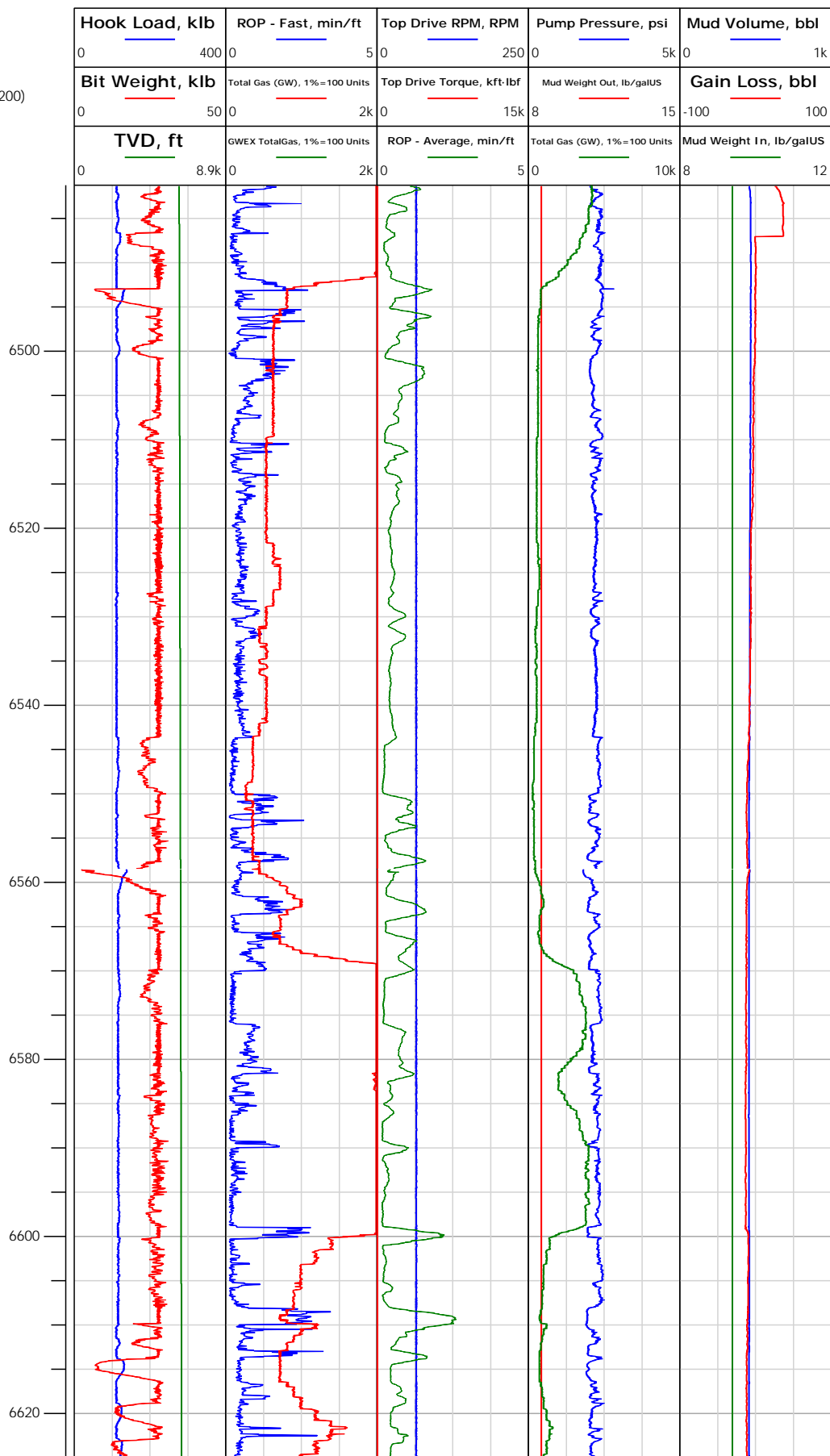
20:10

20:26

20:39

20:49

21:05



6504.00: Deviation Survey
6504.00 ft, Deviation 0.31
deg, Direction 11.04 deg

6558.55: Connection @
6558.55 ft

6599.00: Deviation Survey
6599.00 ft, Deviation 0.22
deg, Direction 336.15 deg



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Location:

Notes

Depth in ft (1:200)

Dec 27, 2017
21:19

21:33

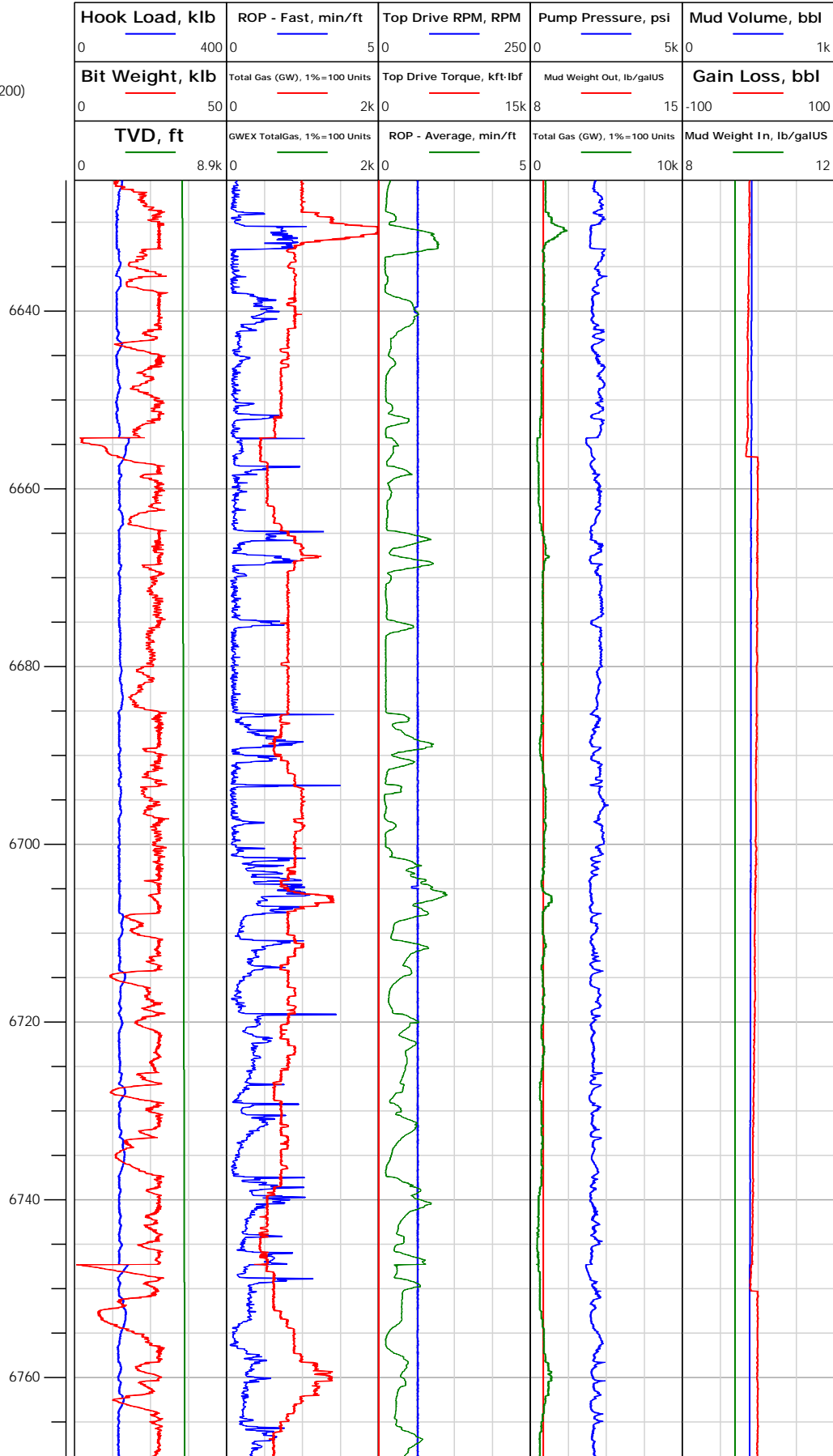
21:43

21:53

22:13

22:29

22:53



6654.24: Connection @
6654.24 ft

6693.00: Deviation Survey
6693.00 ft, Deviation 0.31
deg, Direction 359.44 deg

6747.43: Connection @
6747.43 ft



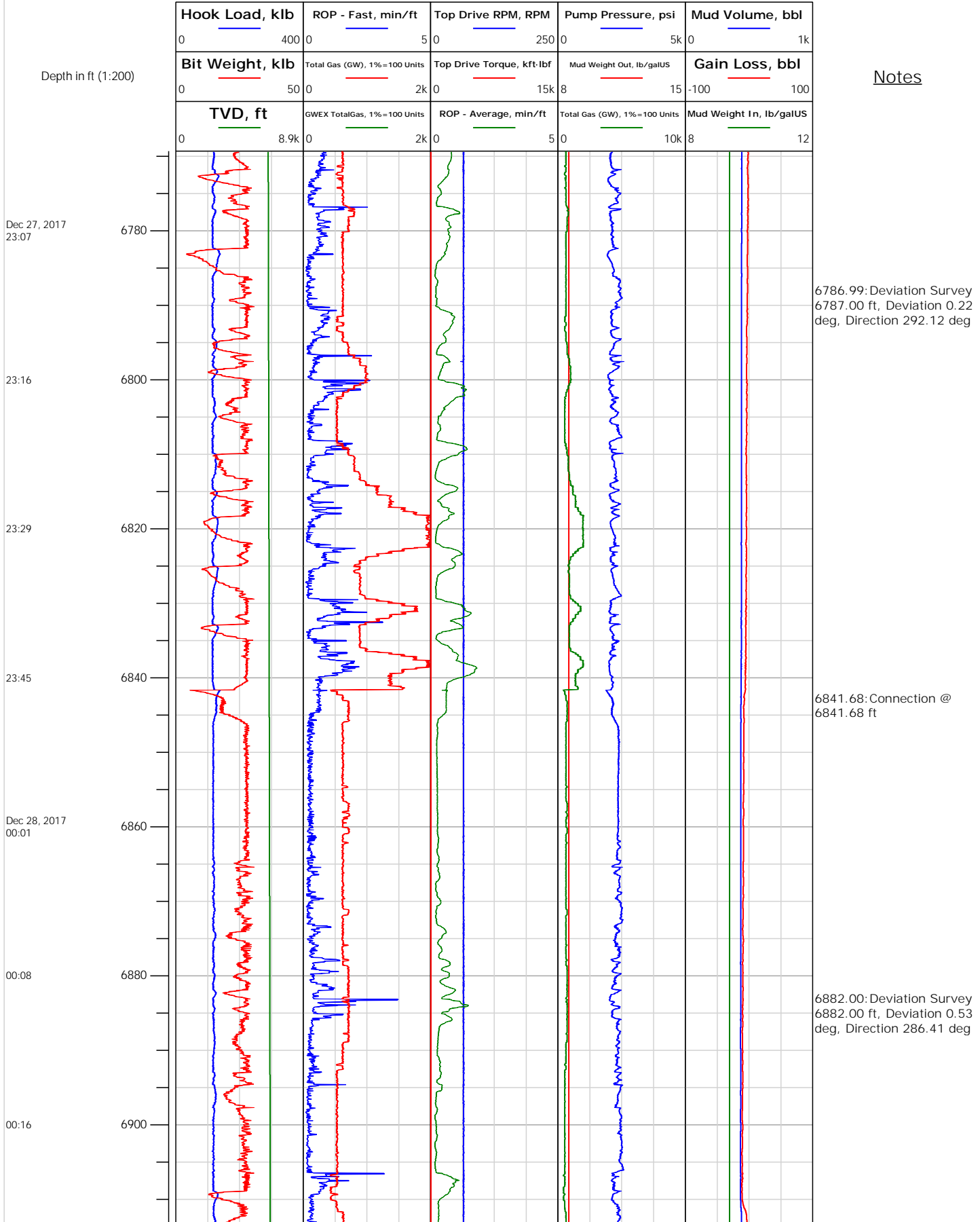
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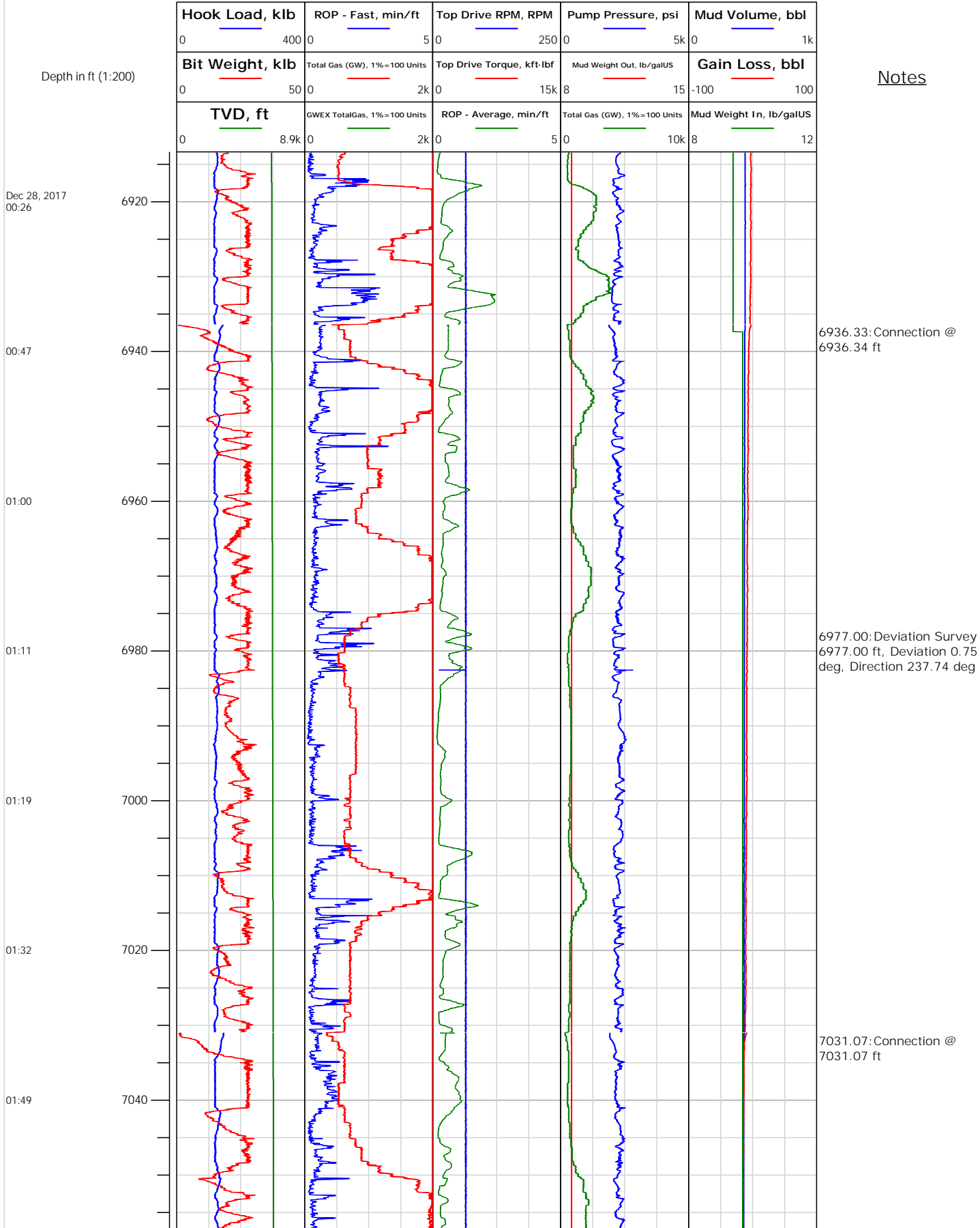
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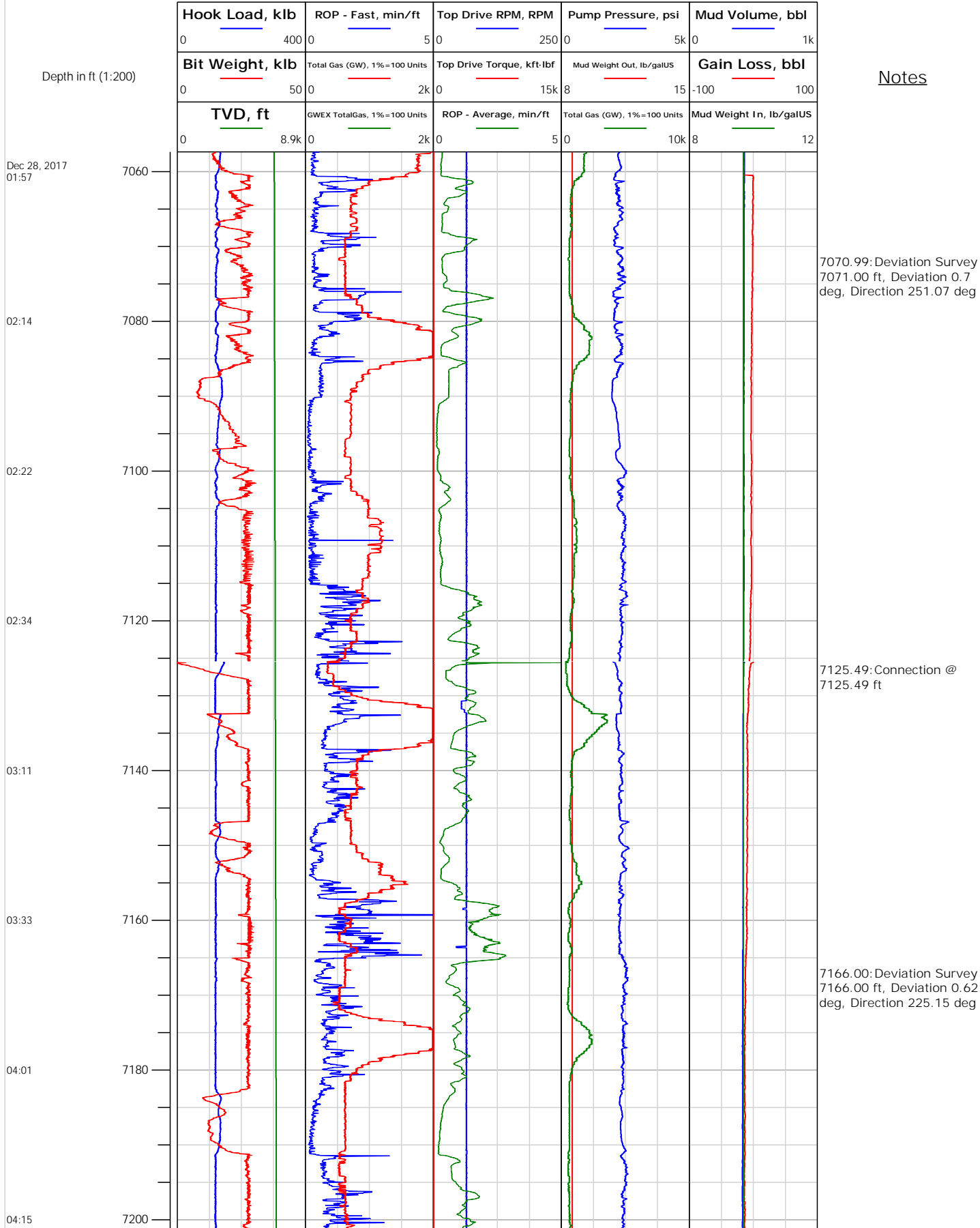
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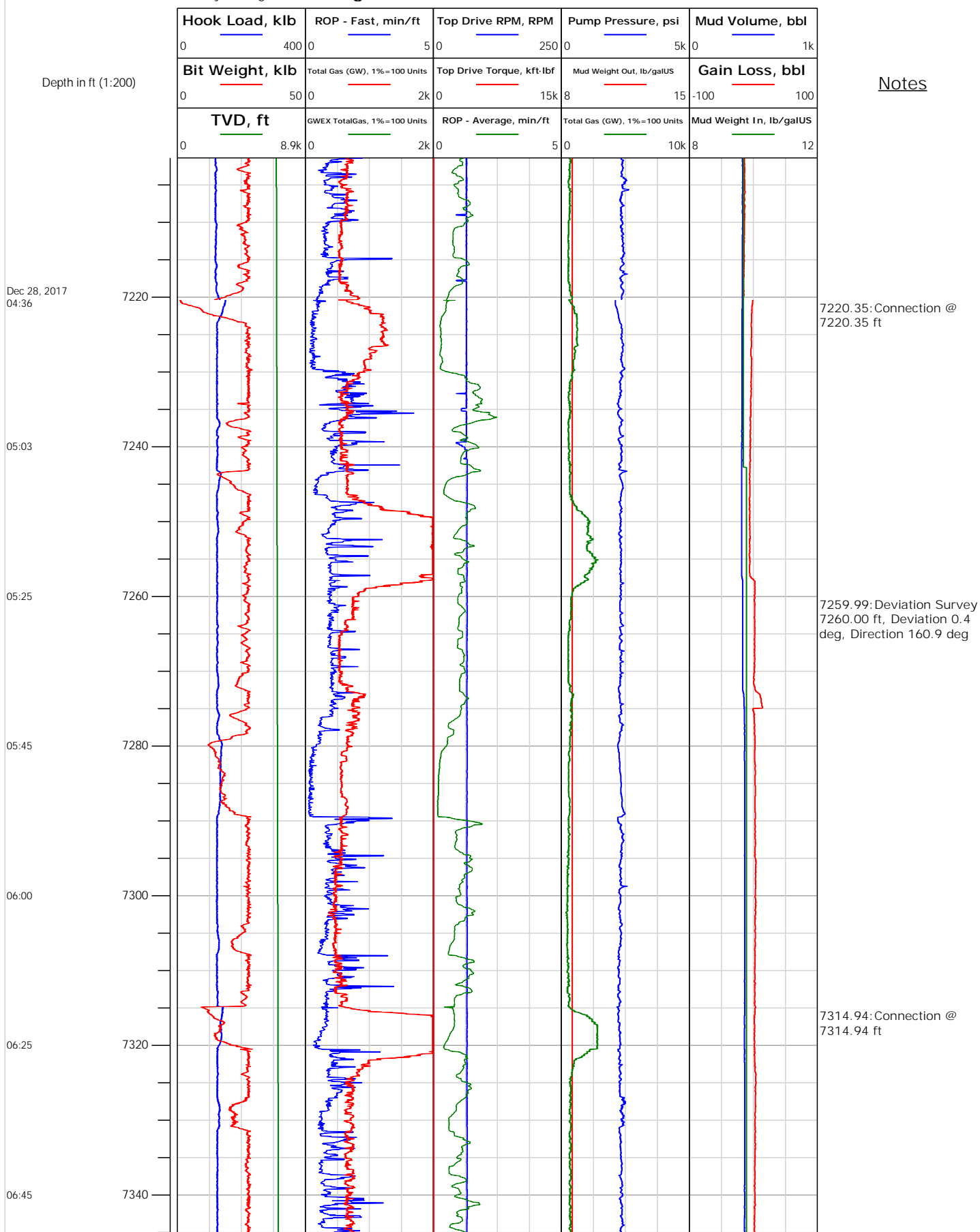
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Notes





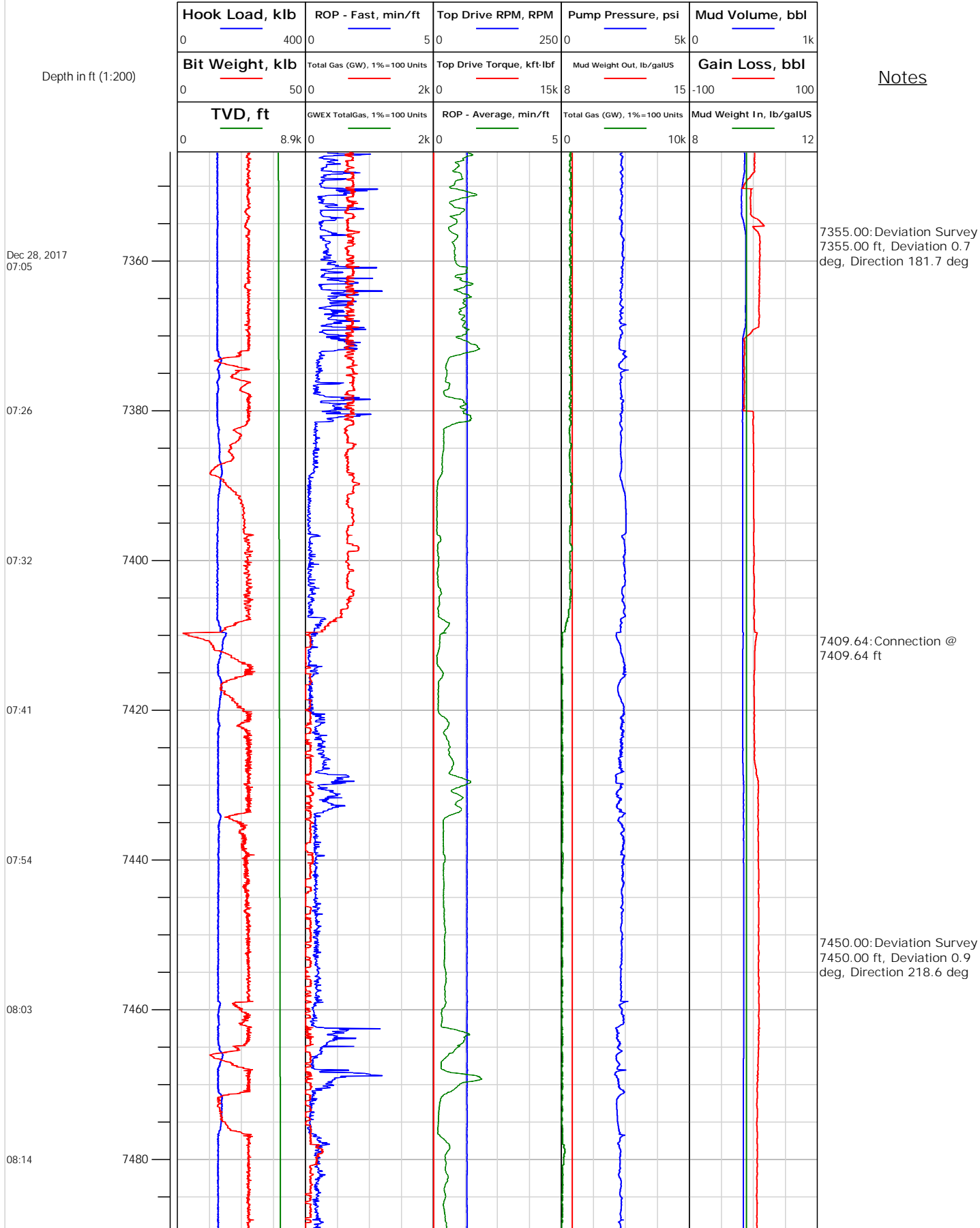
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-04E
Rig: 290

Location:

Notes





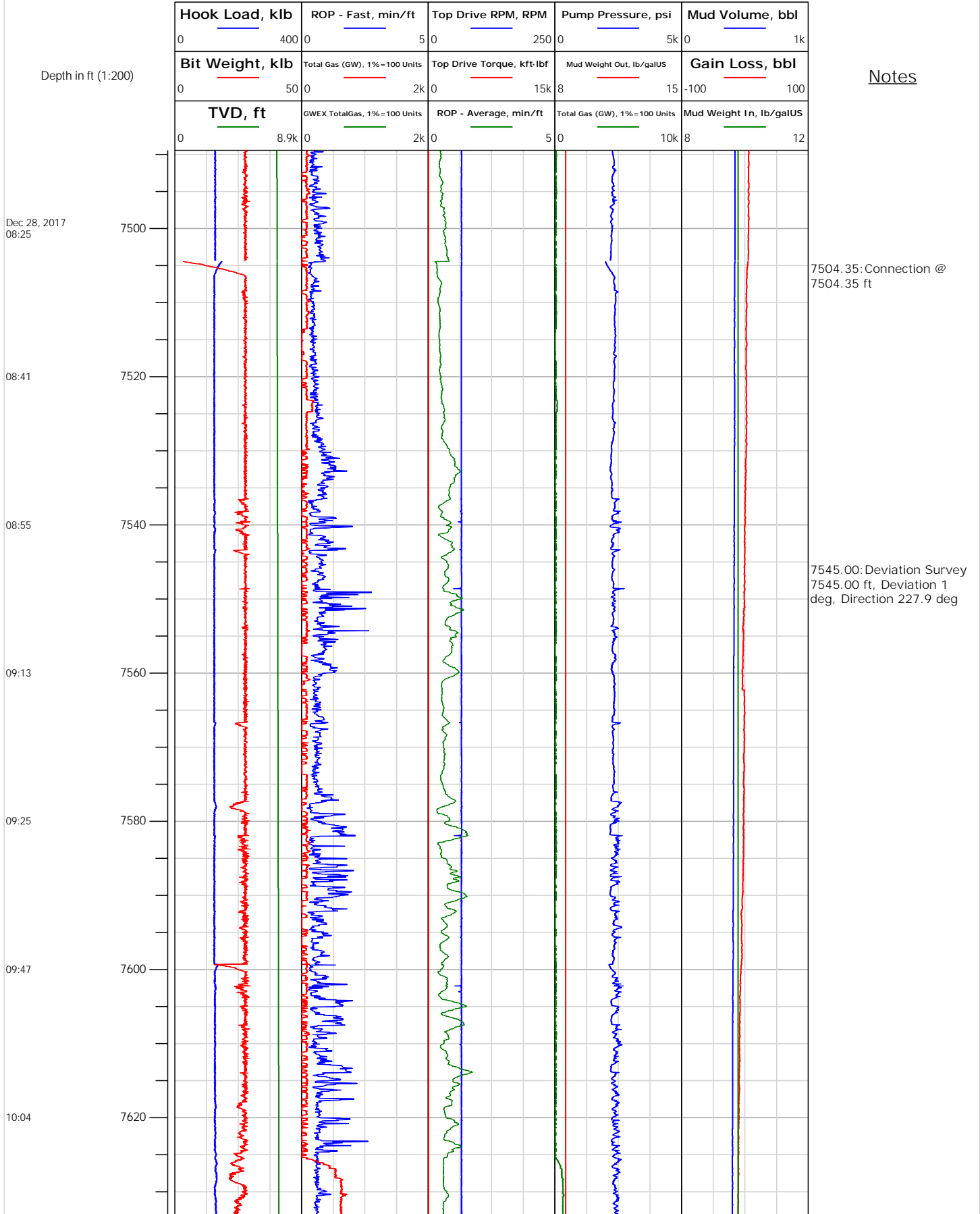
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