



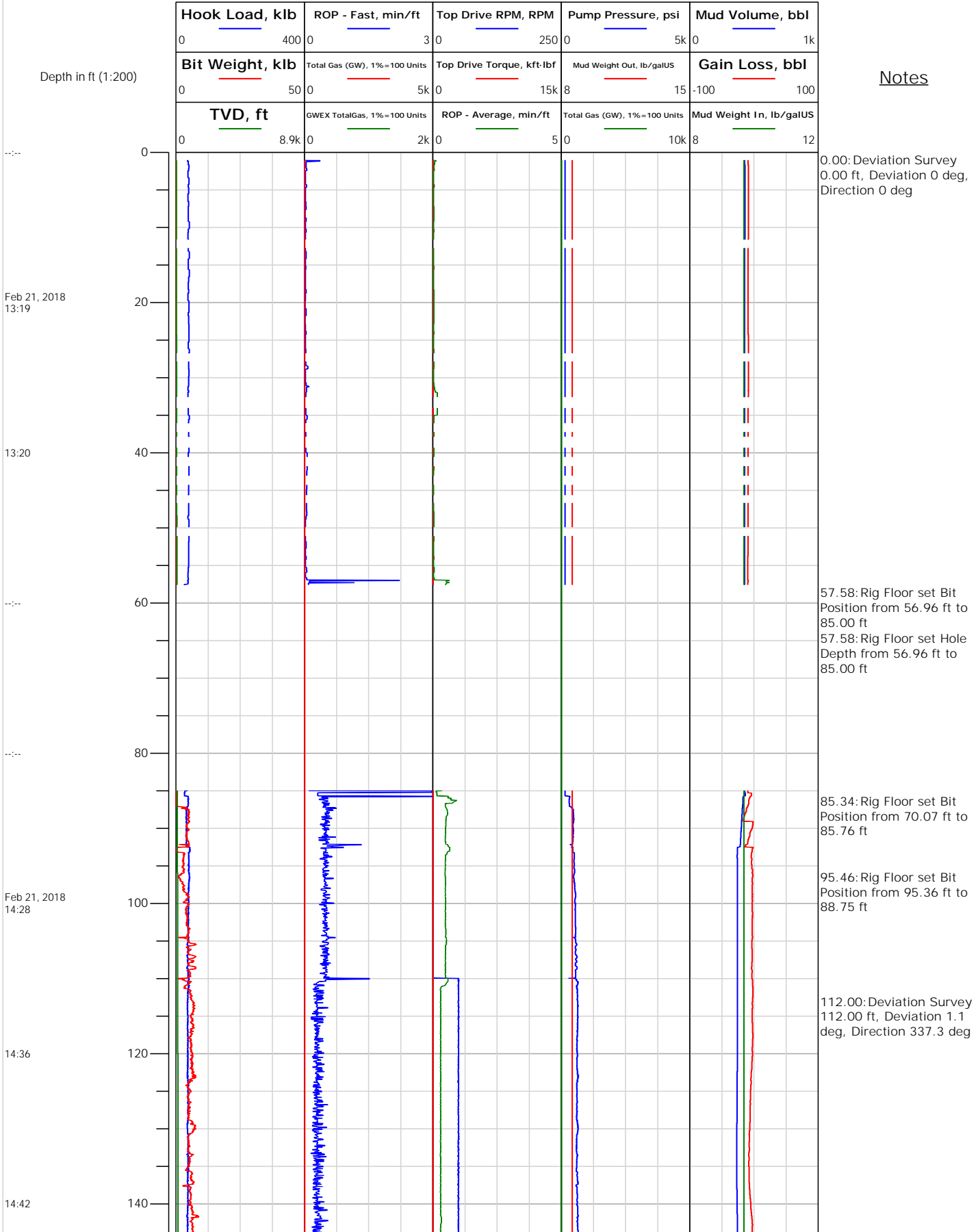
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





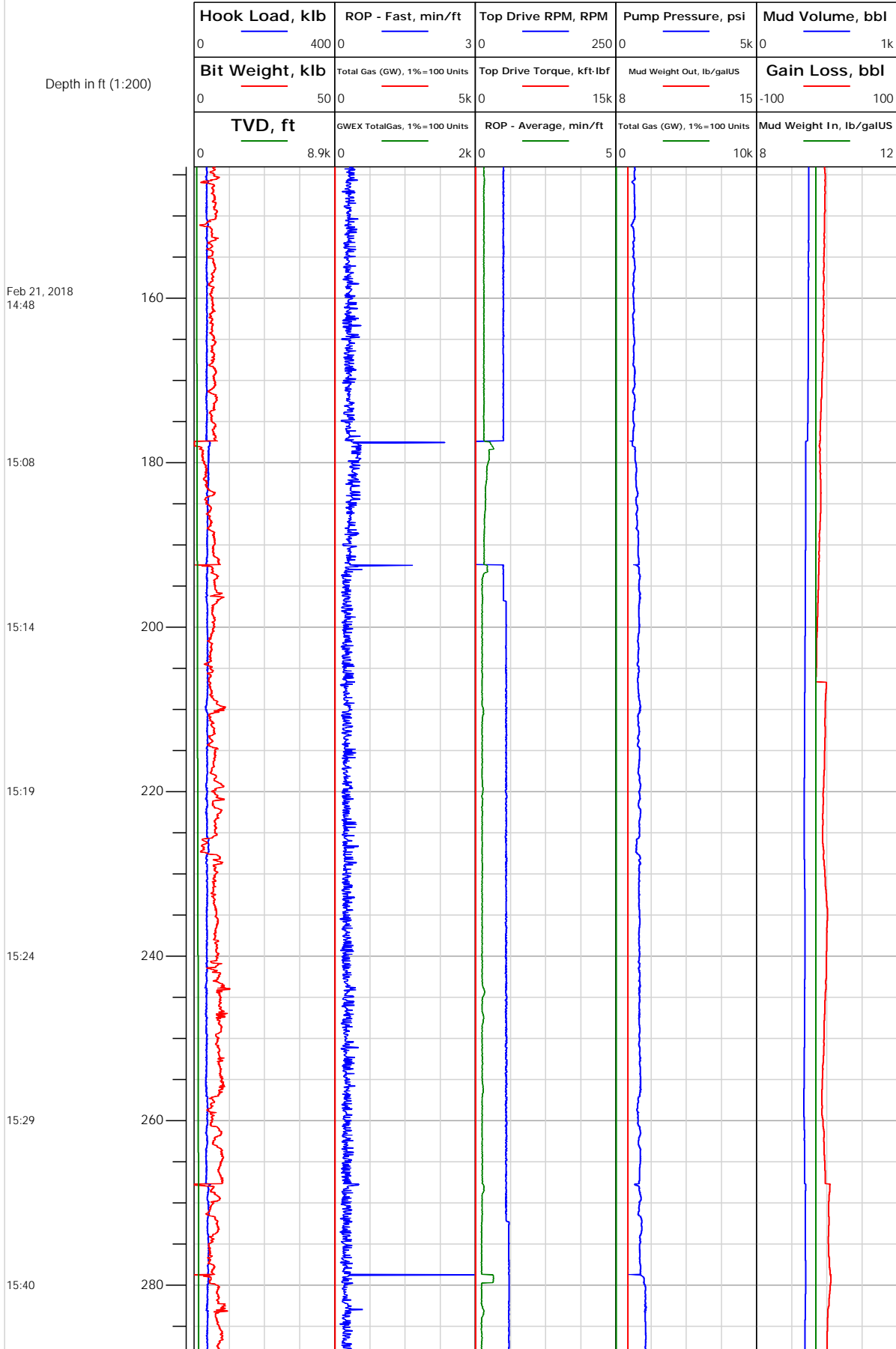
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes



201.00: Deviation Survey
 201.00 ft, Deviation 2.3
 deg, Direction 344.8 deg



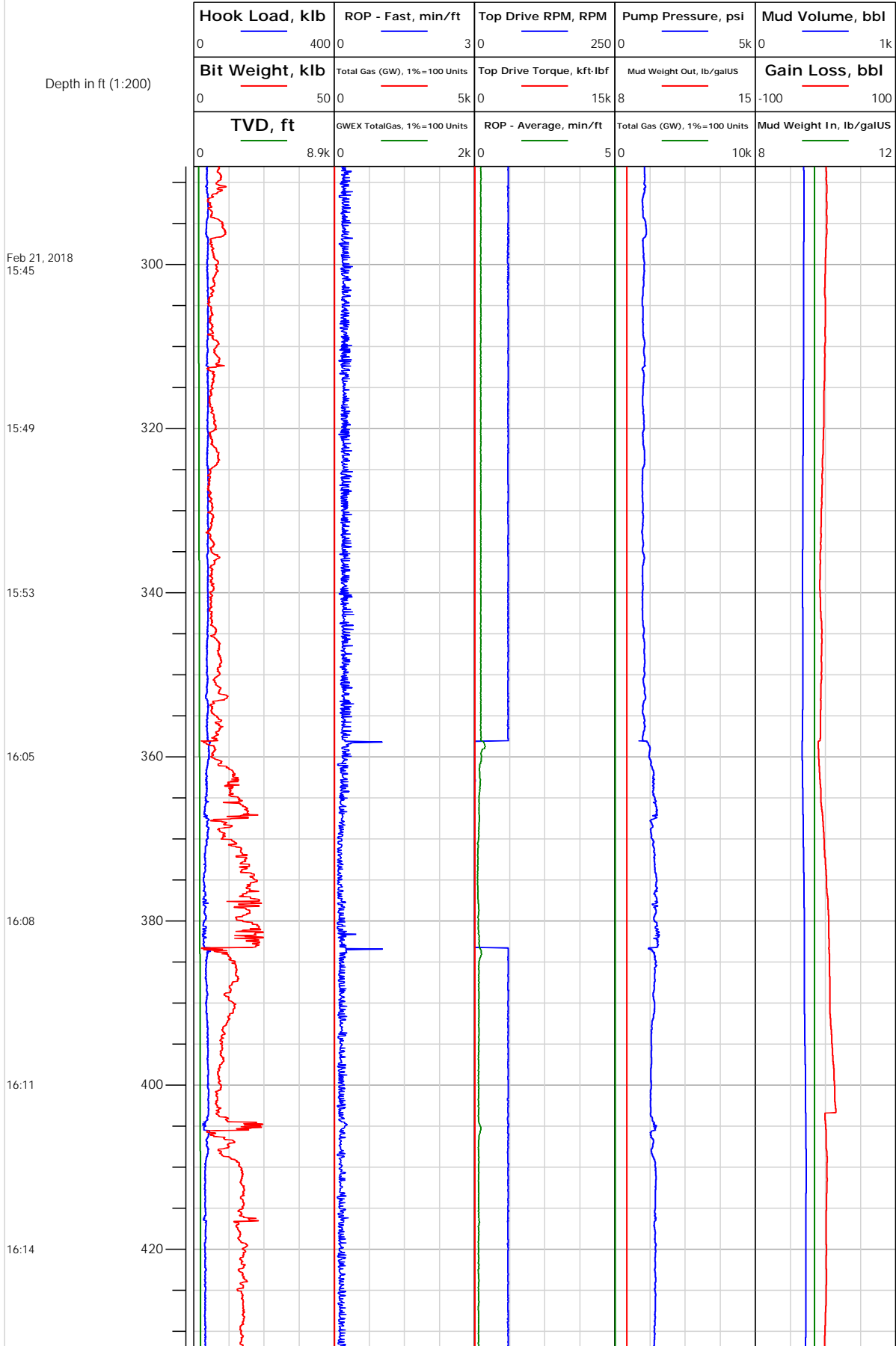
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Depth in ft (1:200)

Notes

Feb 21, 2018
16:17

16:26

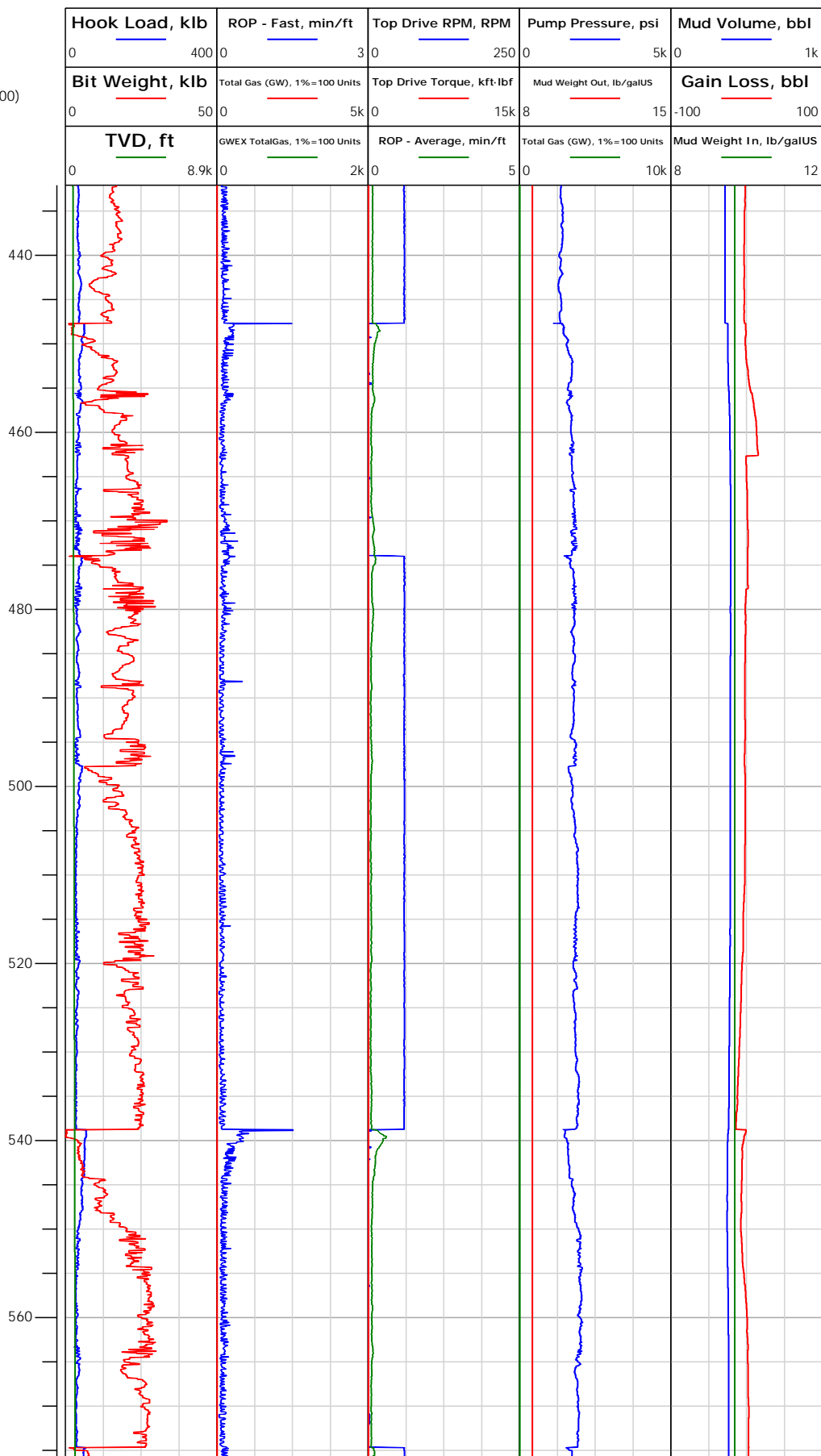
16:28

16:31

16:32

16:40

16:43



470.00: Deviation Survey
470.00 ft, Deviation 4.8
deg, Direction 328.9 deg

560.00: Deviation Survey
560.00 ft, Deviation 7.3
deg, Direction 317.7 deg



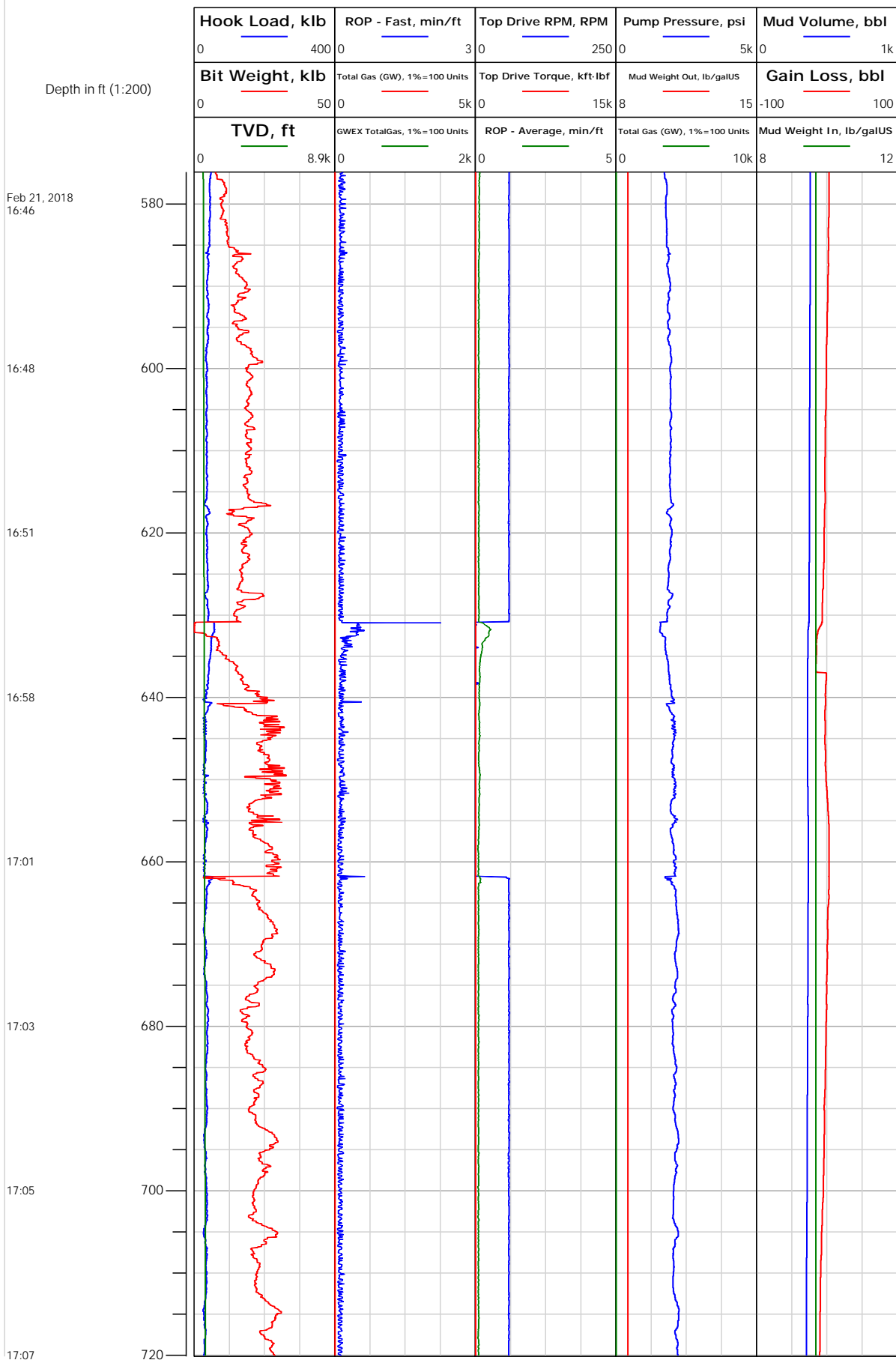
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





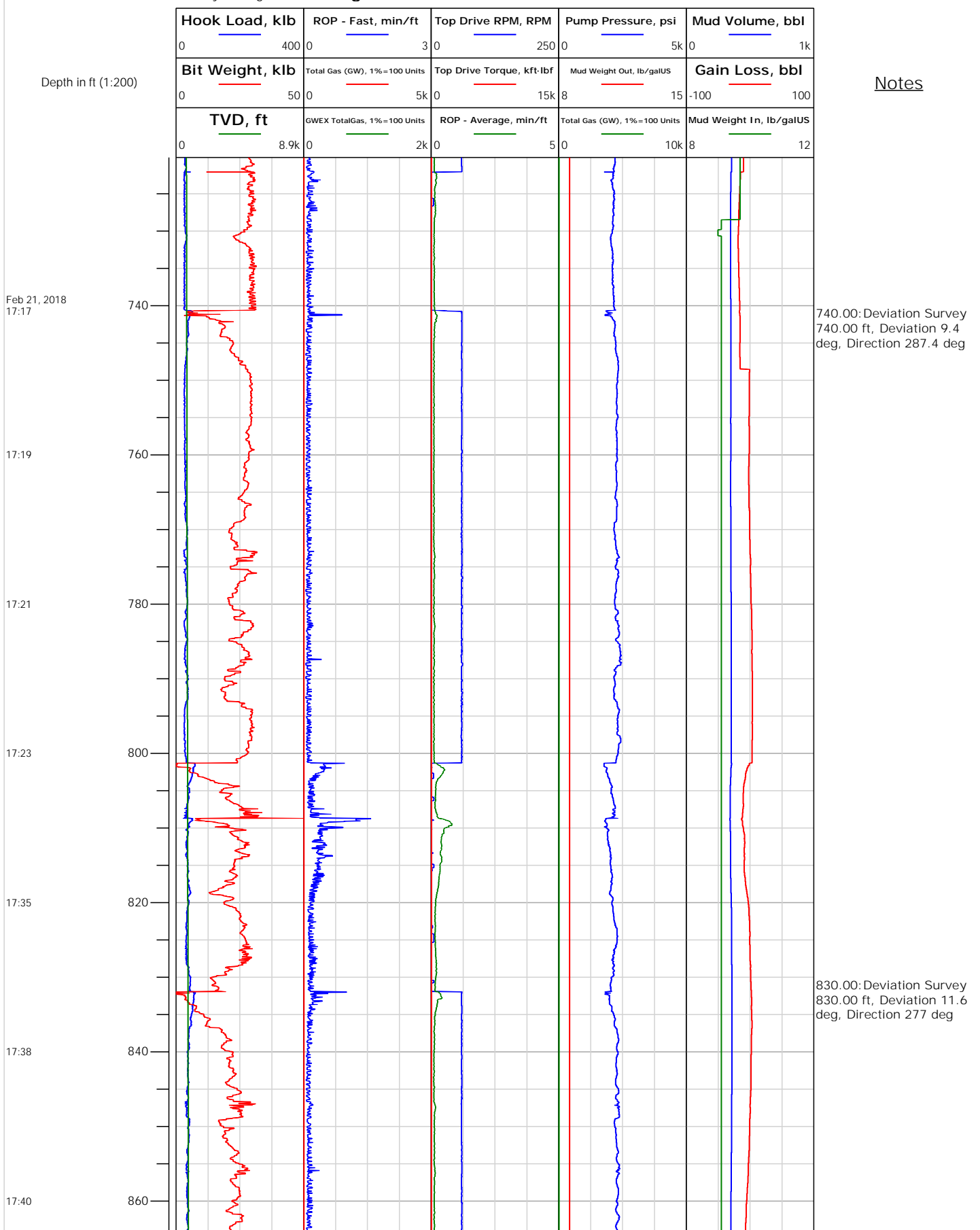
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





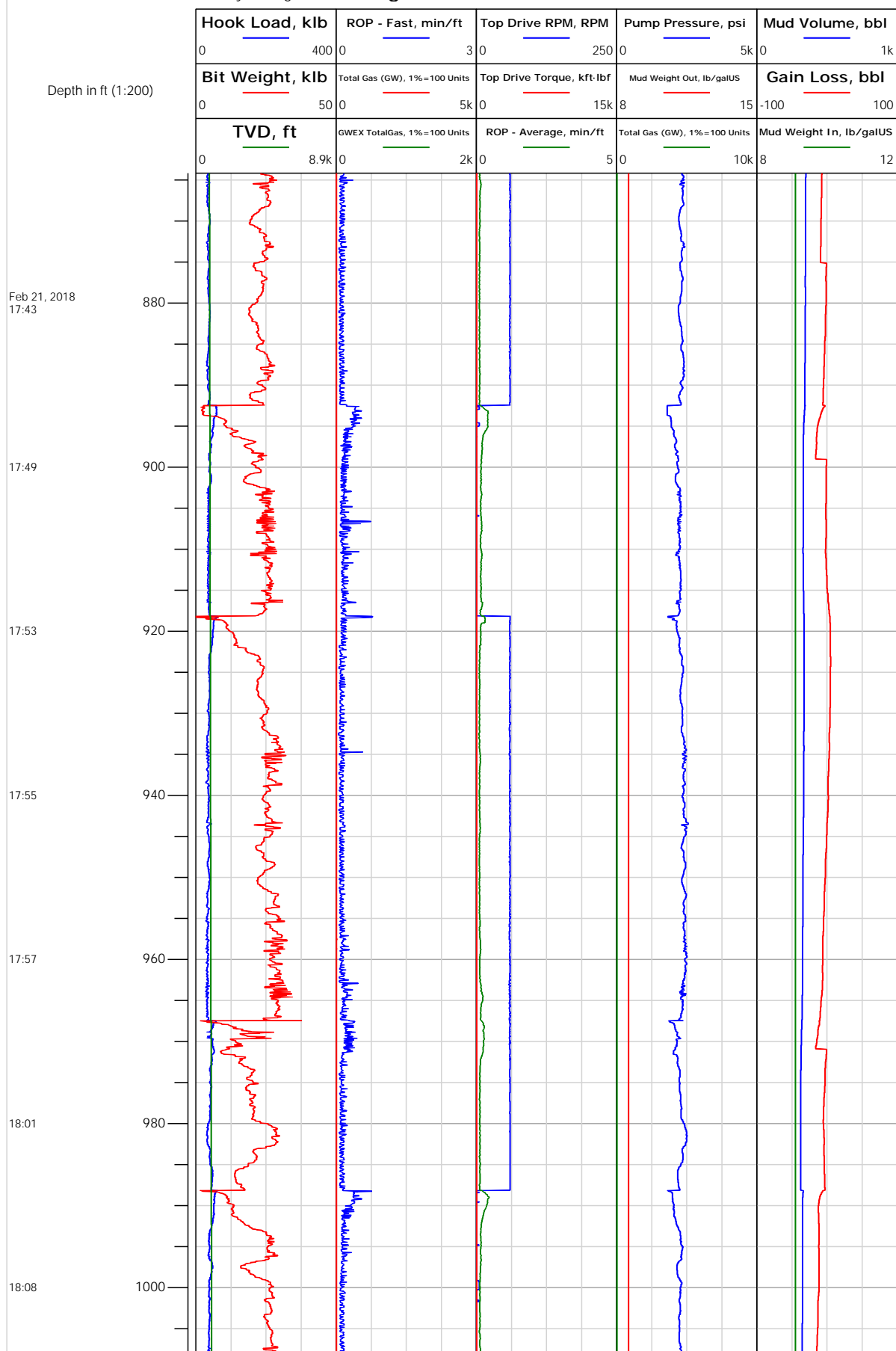
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Electronic Drilling Recorder

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





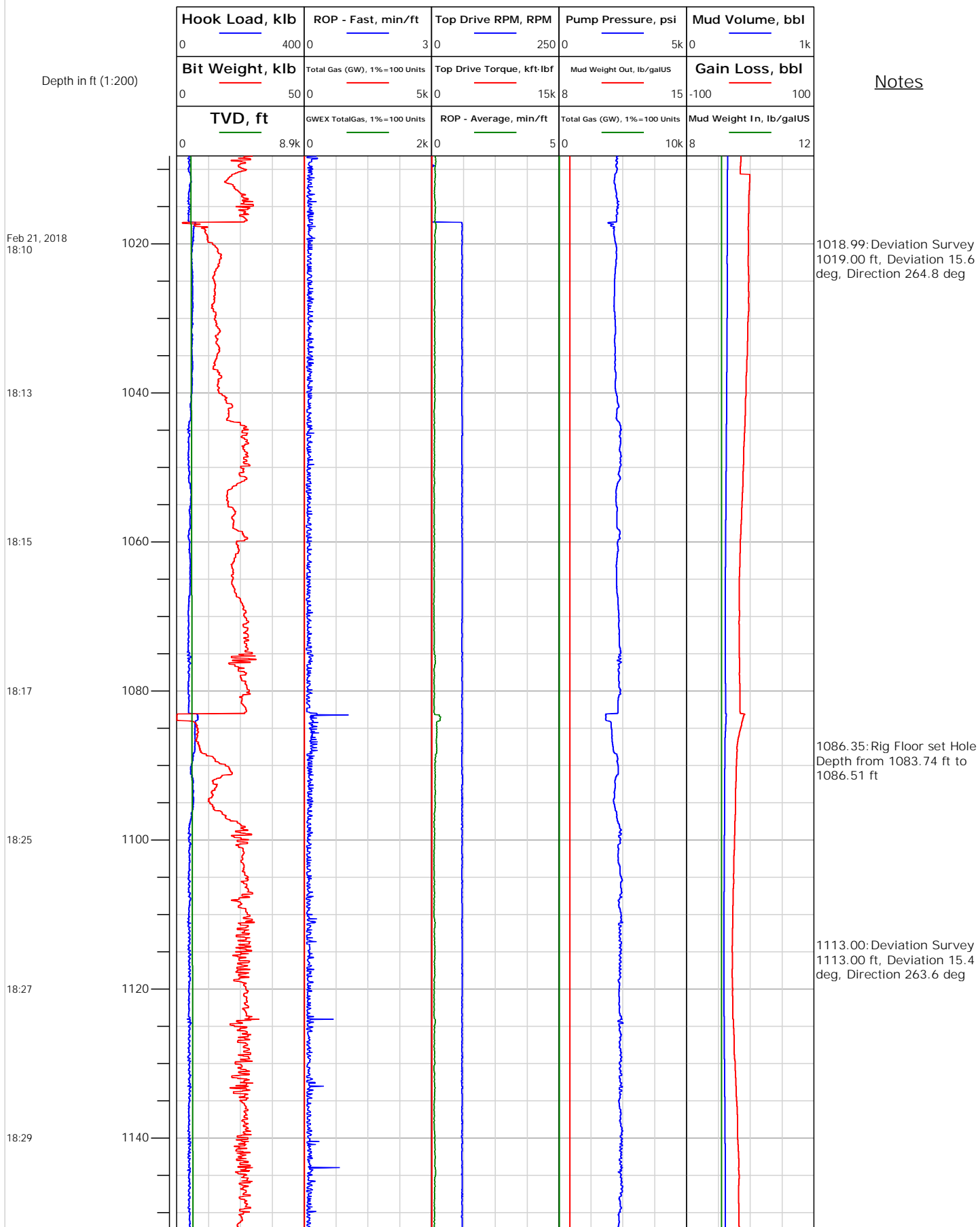
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Depth in ft (1:200)

Notes

Feb 21, 2018
18:31

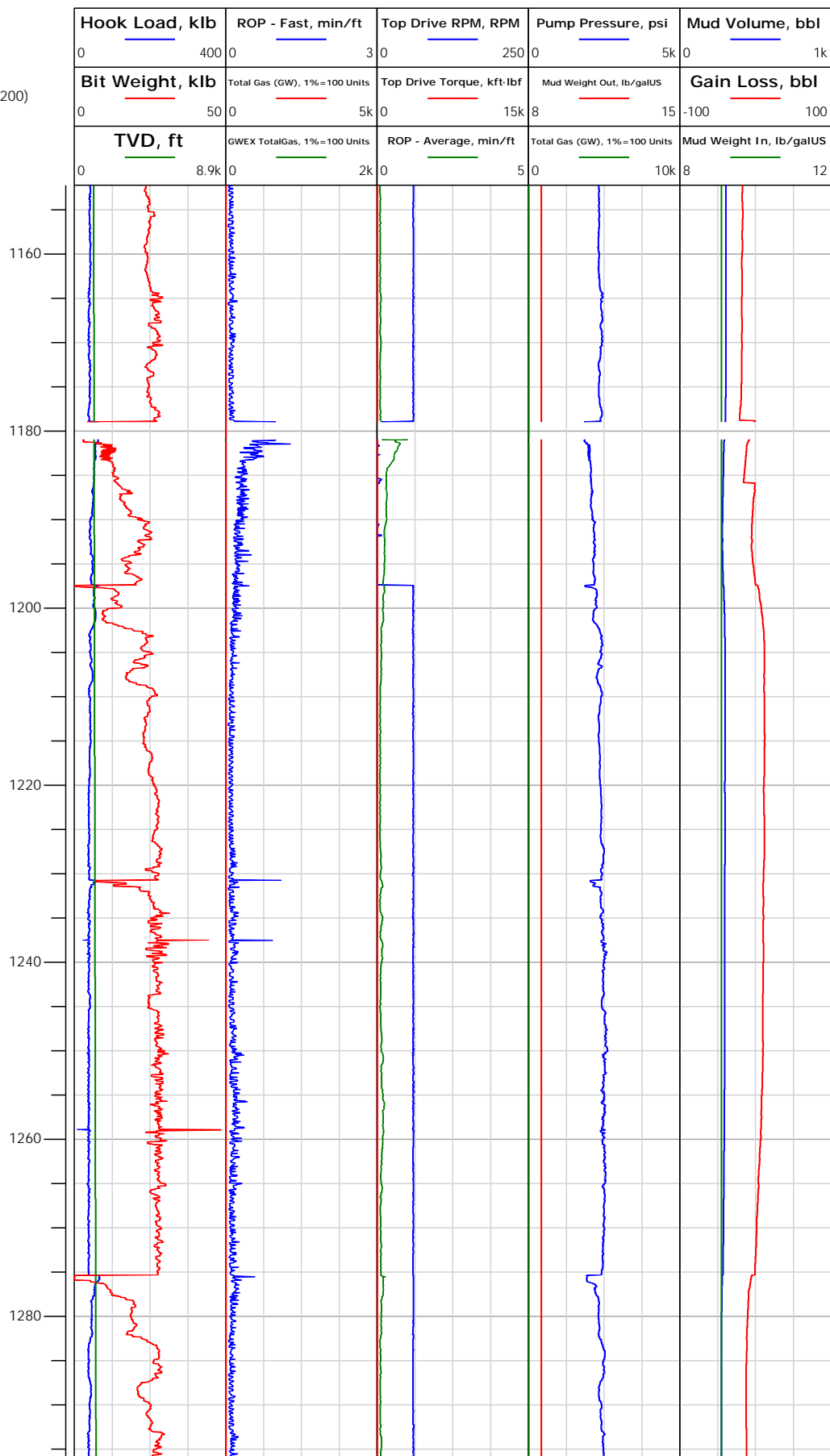
Feb 21, 2018
18:44

18:46

18:49

18:52

18:59





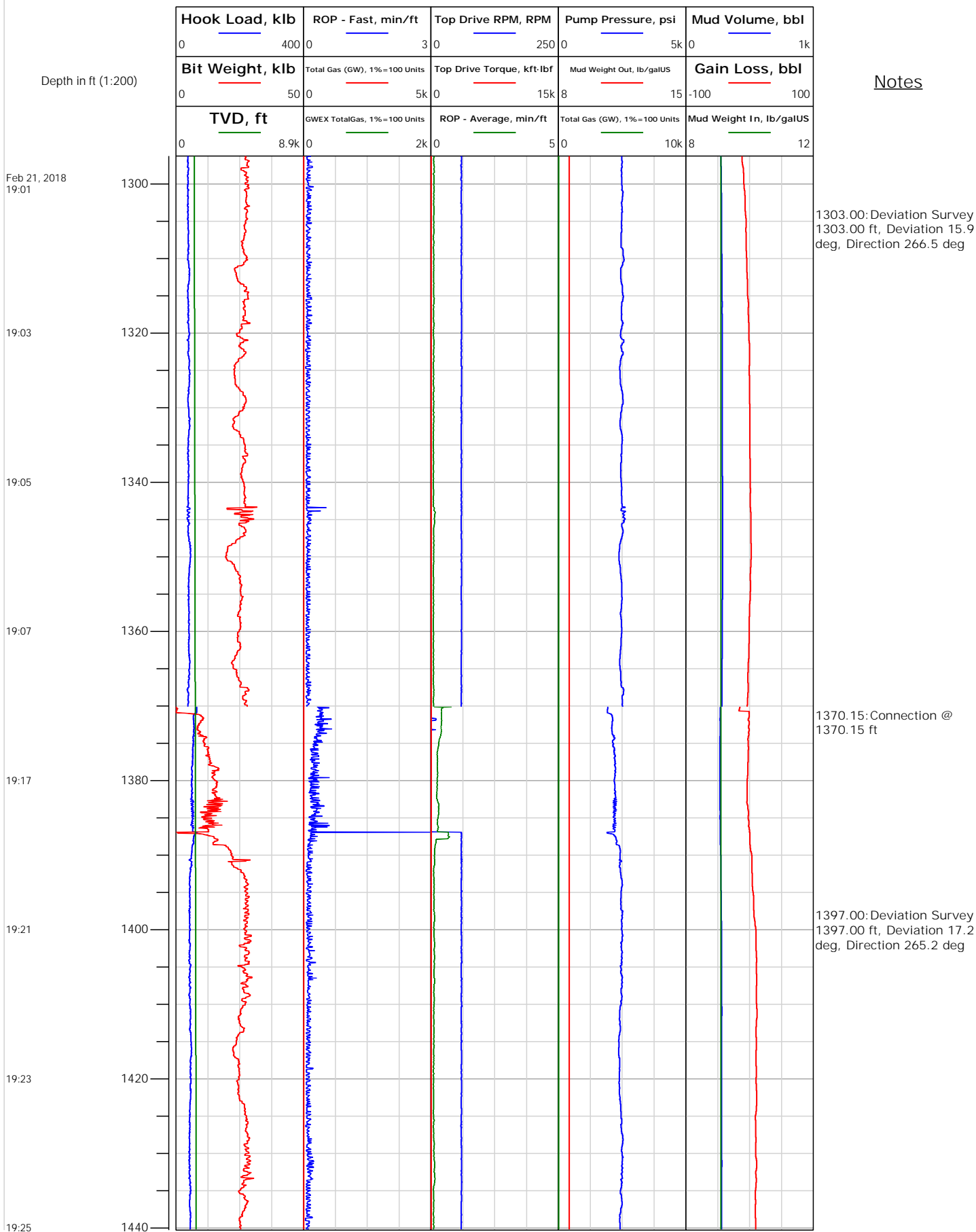
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





Electronic Drilling Recorder

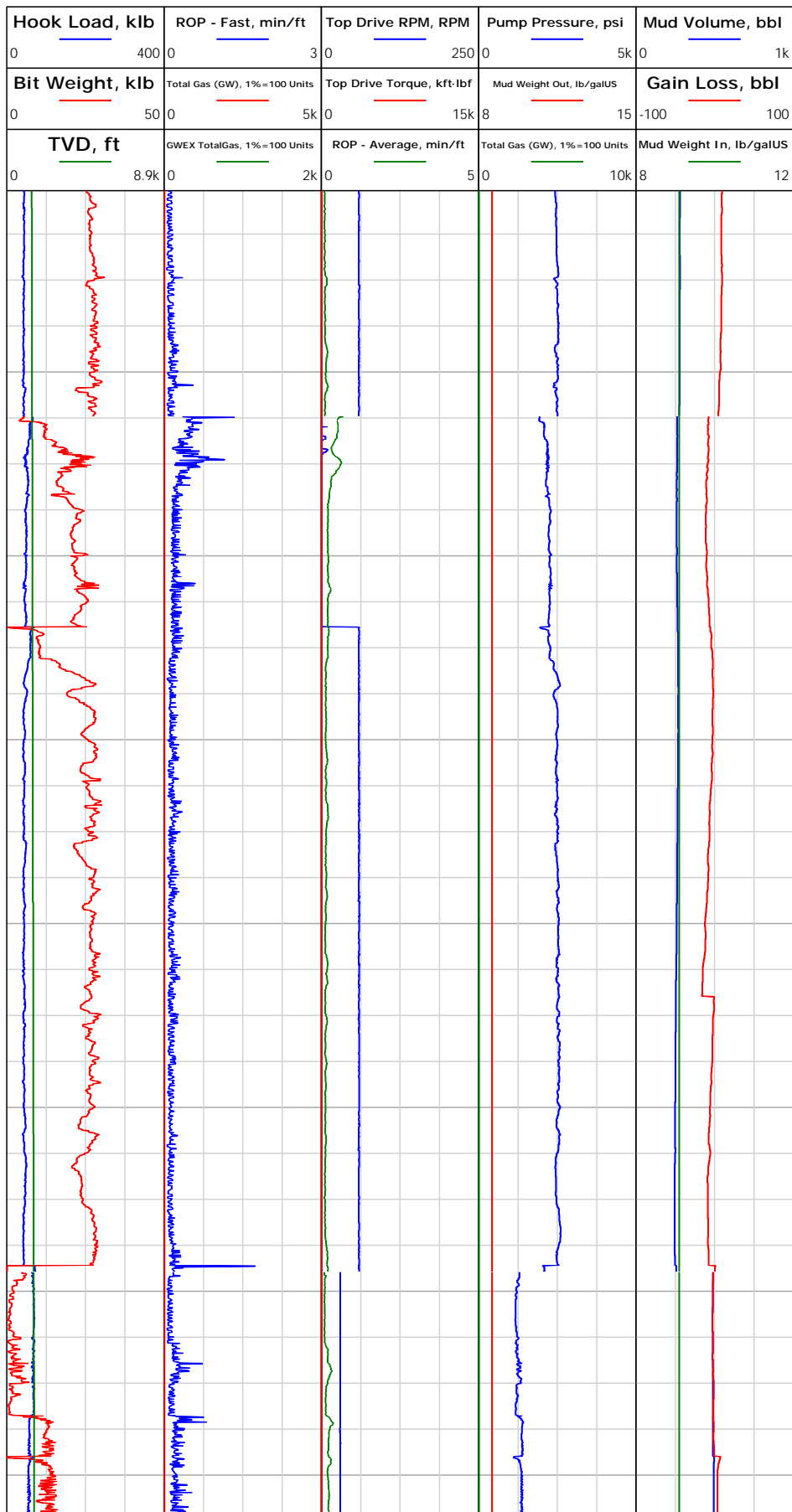
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes

Depth in ft (1:200)



1464.80: Connection @ 1464.80 ft

1491.00: Deviation Survey 1491.00 ft, Deviation 18.2 deg, Direction 259.1 deg

1558.00: Rig Floor set Bit Position from 1539.50 ft to 1542.00 ft

1558.00: Connection @ 1558.00 ft

1558.00: Rig Floor set Bit Position from 1403.96 ft to 1447.81 ft

1558.00: Rig Floor set Bit Position from 1447.81 ft to 1447.81 ft

1558.00: Rig Floor set Bit Position from 1211.99 ft to 1547.00 ft

1558.00: Rig Floor set Bit Position from 1558.00 ft to 0.00 ft

1560.29: Rig Floor set Hole Depth from 1560.30 ft to 1557.32 ft

1560.79: Rig Floor set Hole Depth from 1560.79 ft to 1558.00 ft

1579.00: Deviation Survey 1579.00 ft, Deviation 18.1 deg, Direction 259.2 deg



Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Depth in ft (1:200)

Notes

Feb 23, 2018
14:11

14:14

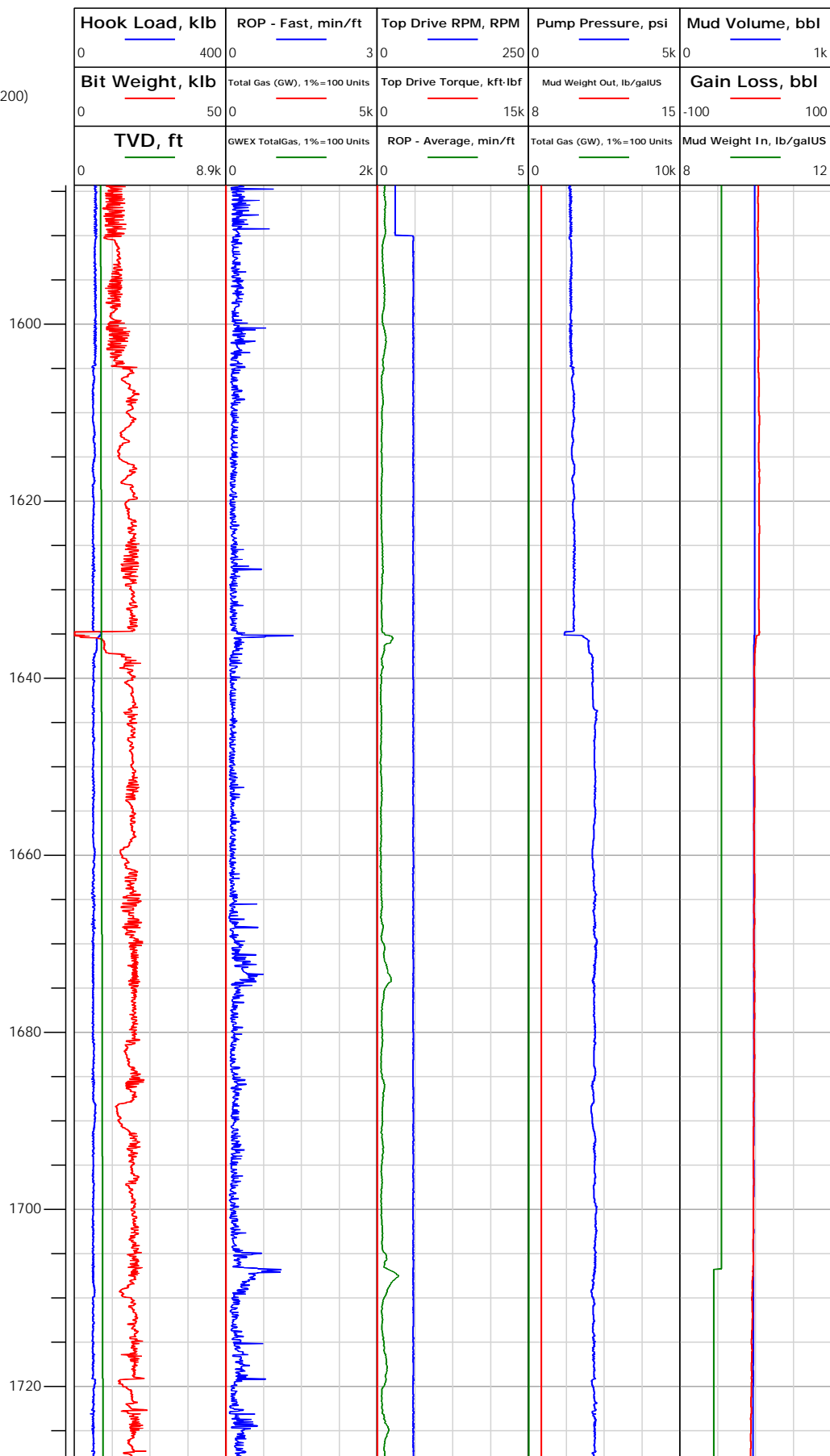
14:21

14:24

14:28

14:31

14:36



1616.61: Rig Floor set Hole
Depth from 1616.61 ft to
1558.00 ft
1616.61: Rig Floor set Bit
Position from 1616.61 ft to
1558.00 ft

1634.77: Connection @
1634.77 ft

1673.00: Deviation Survey
1673.00 ft, Deviation 17.4
deg, Direction 258.8 deg



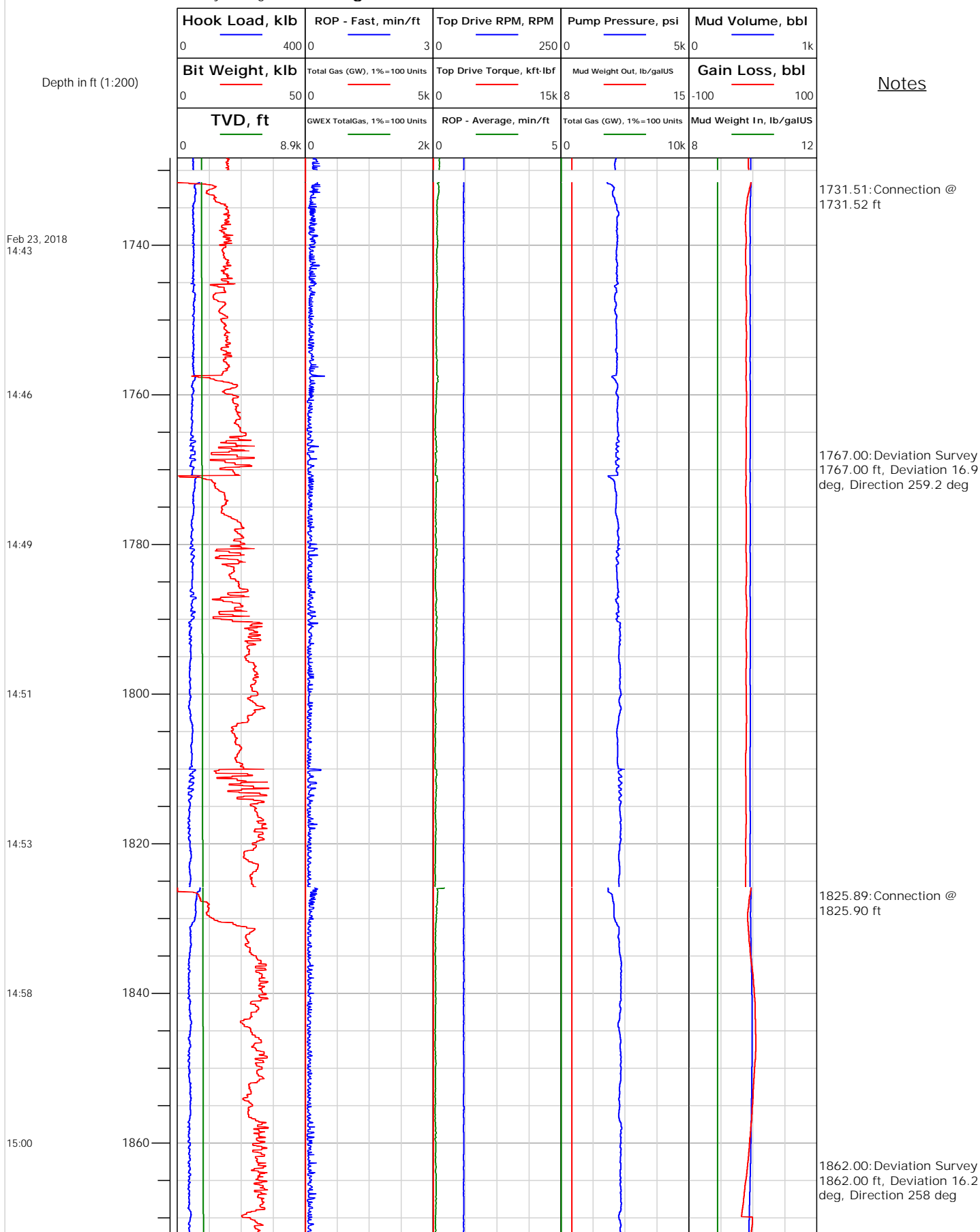
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes

Depth in ft (1:200)

Feb 23, 2018
15:02

15:04

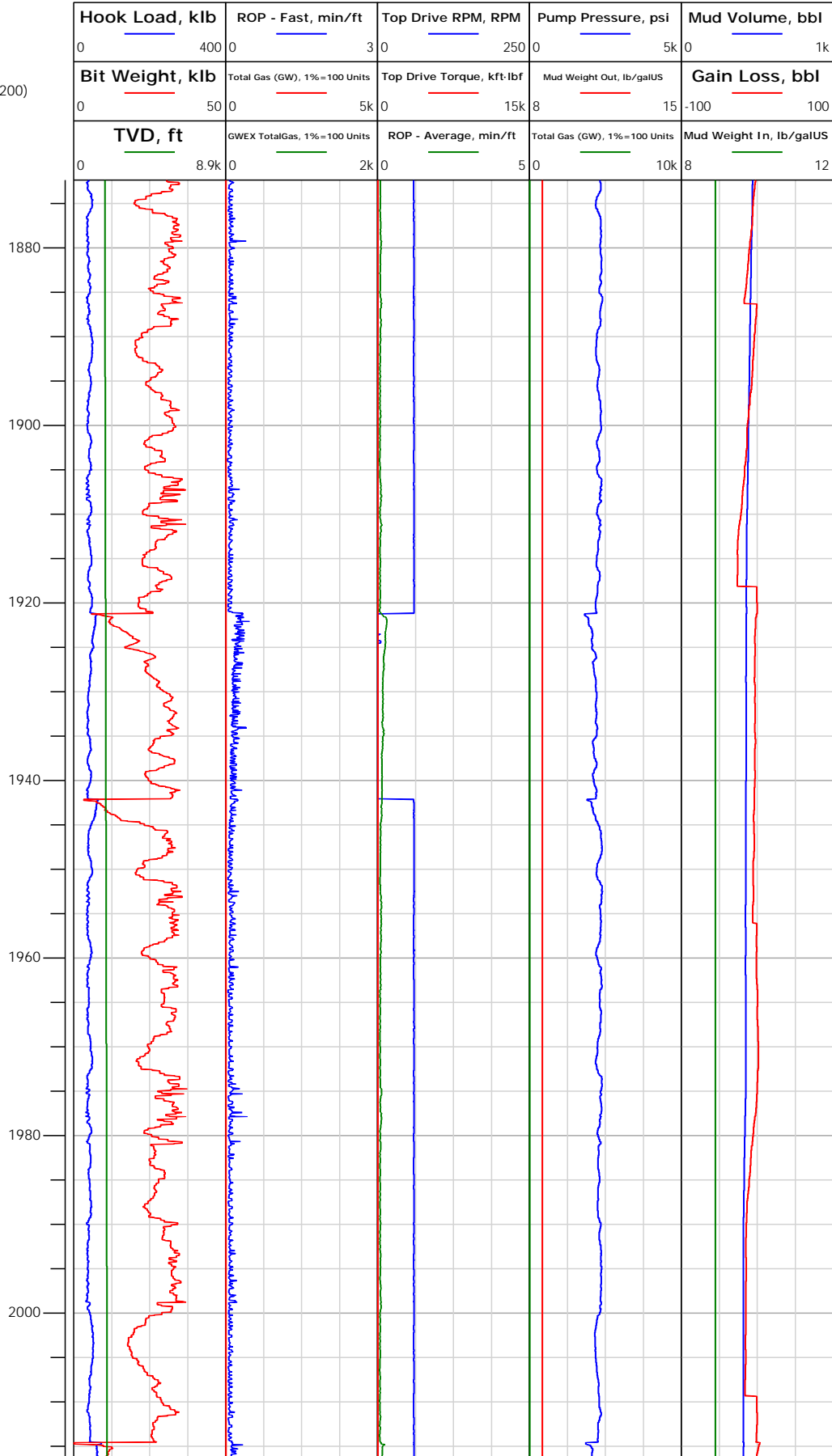
15:05

15:13

15:15

15:17

15:19





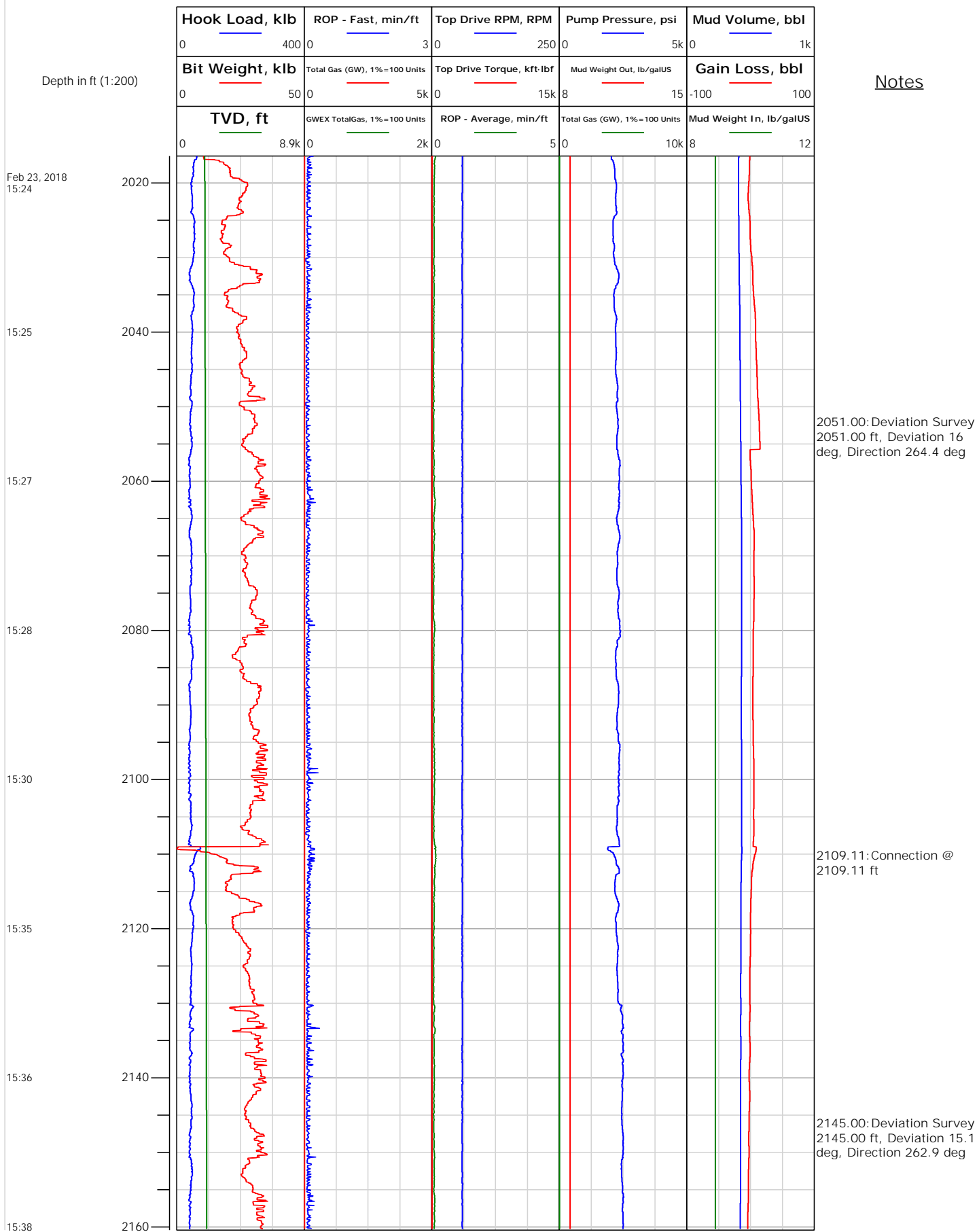
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





Electronic Drilling Recorder

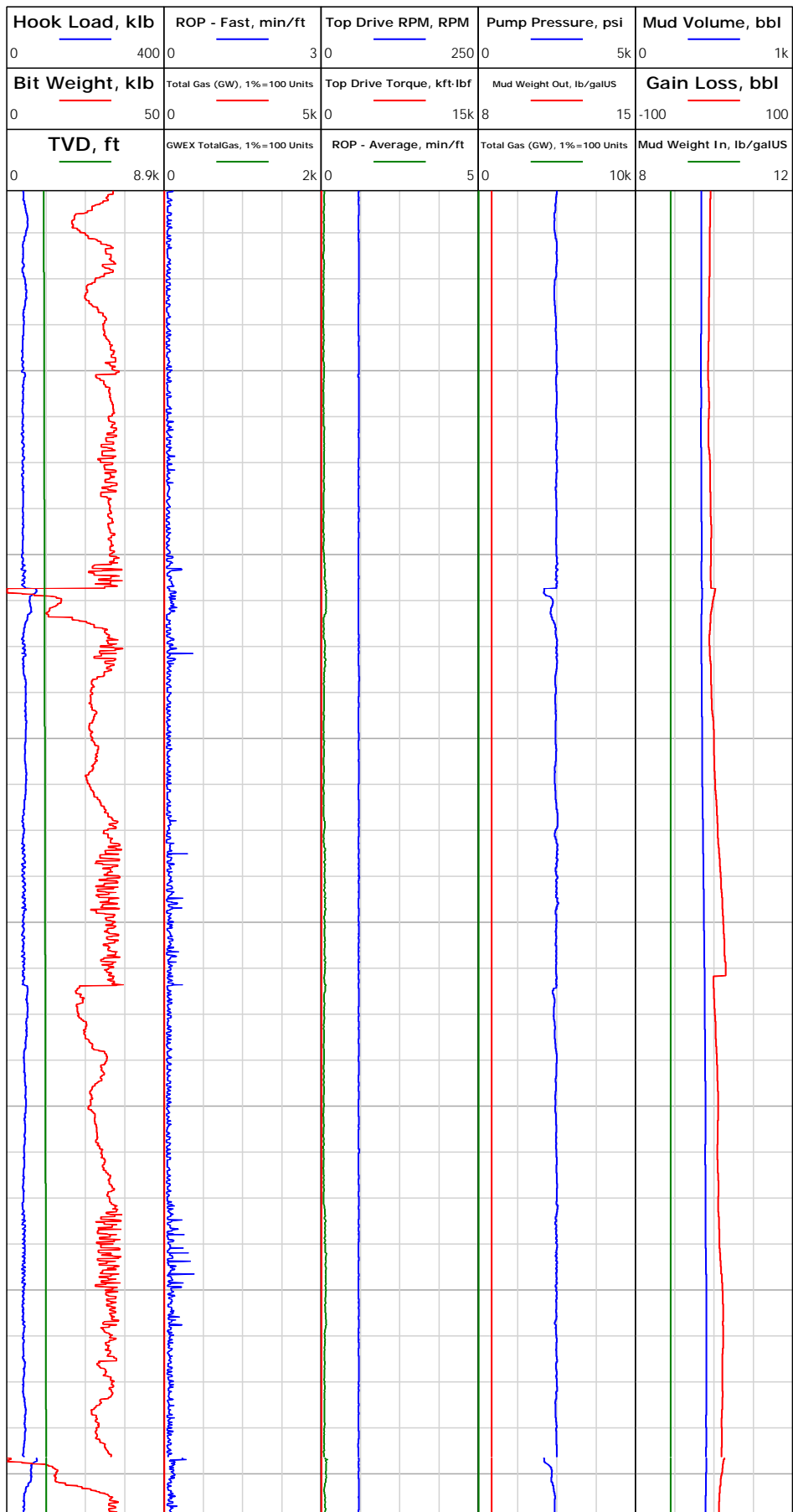
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes

Depth in ft (1:200)





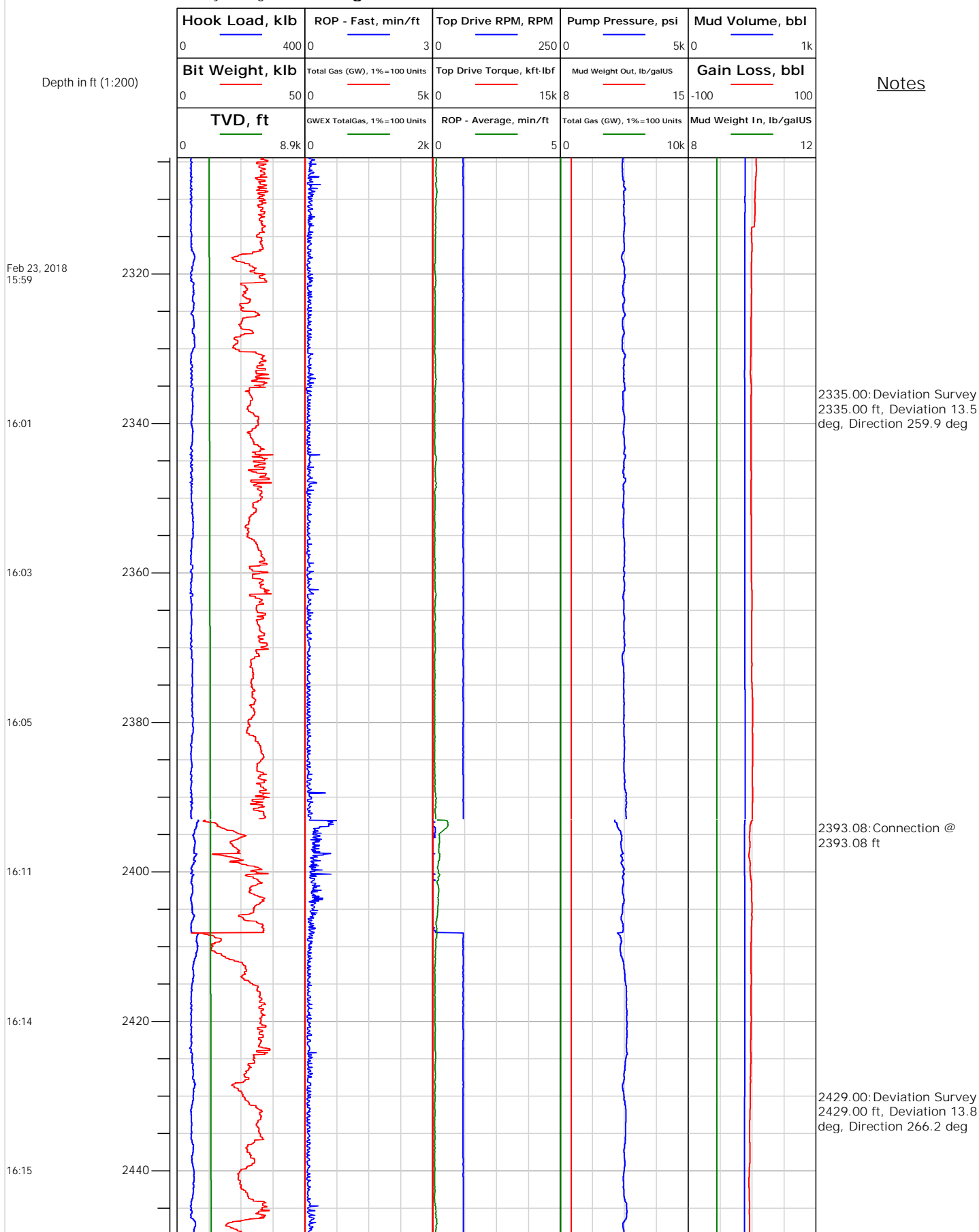
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





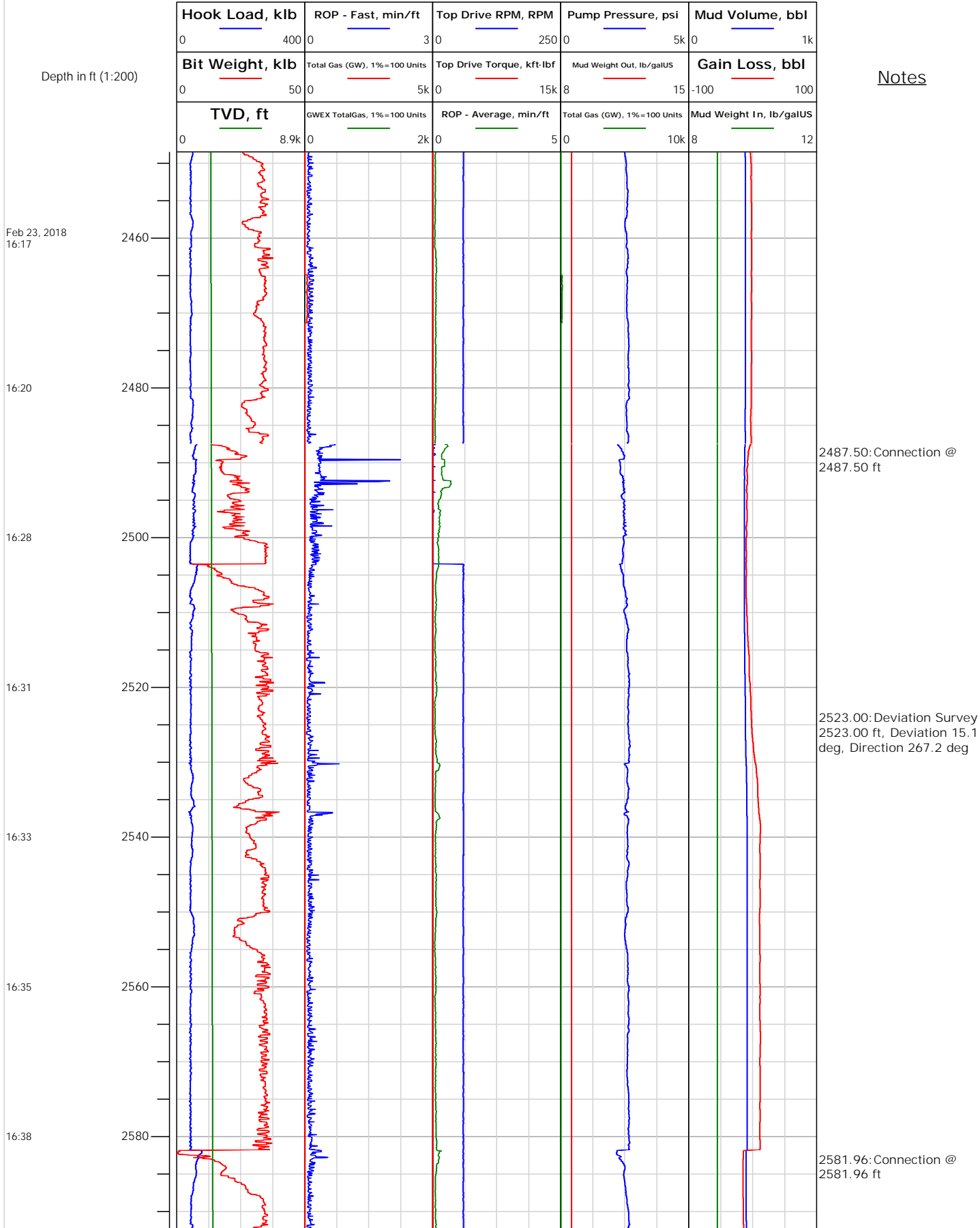
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





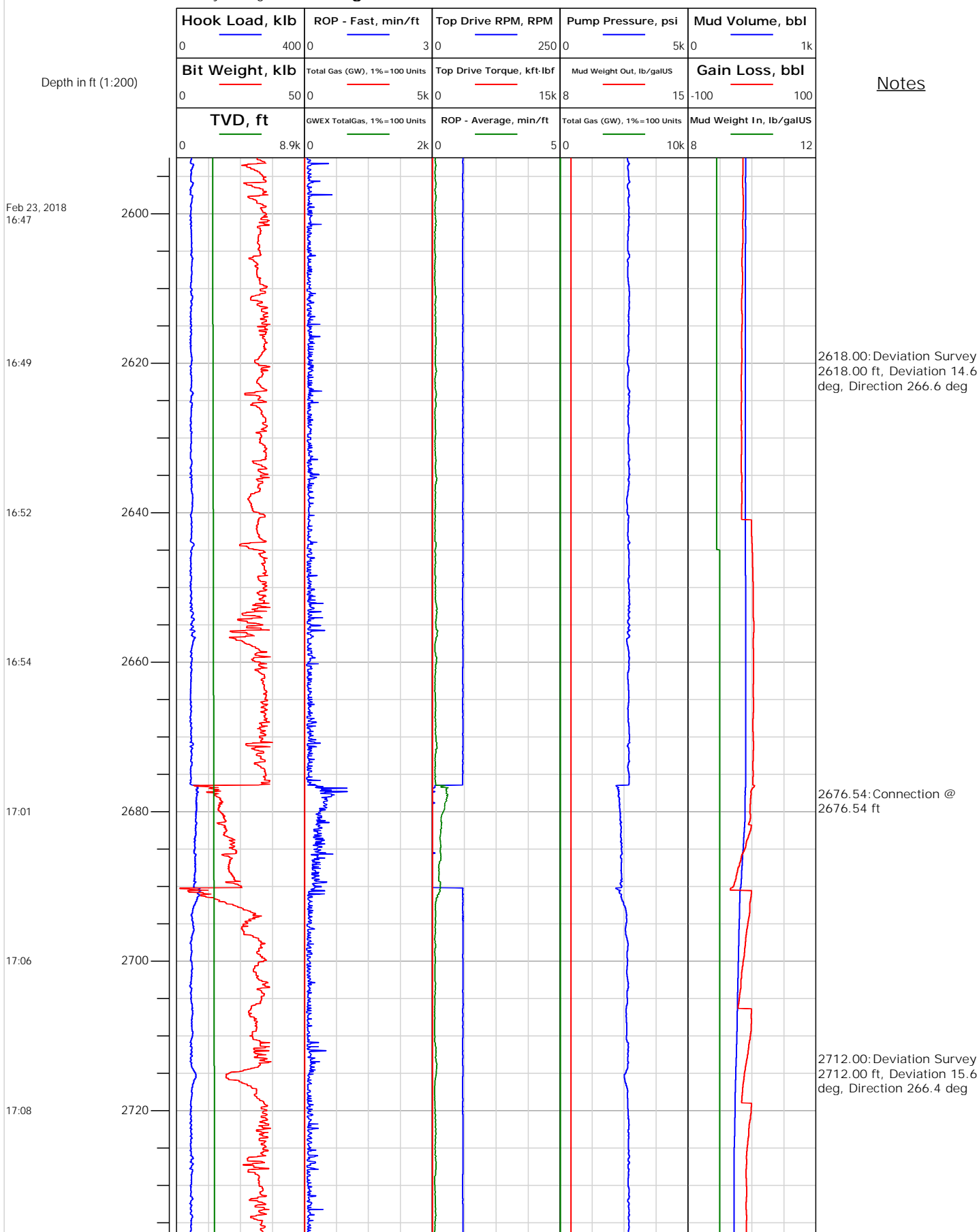
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





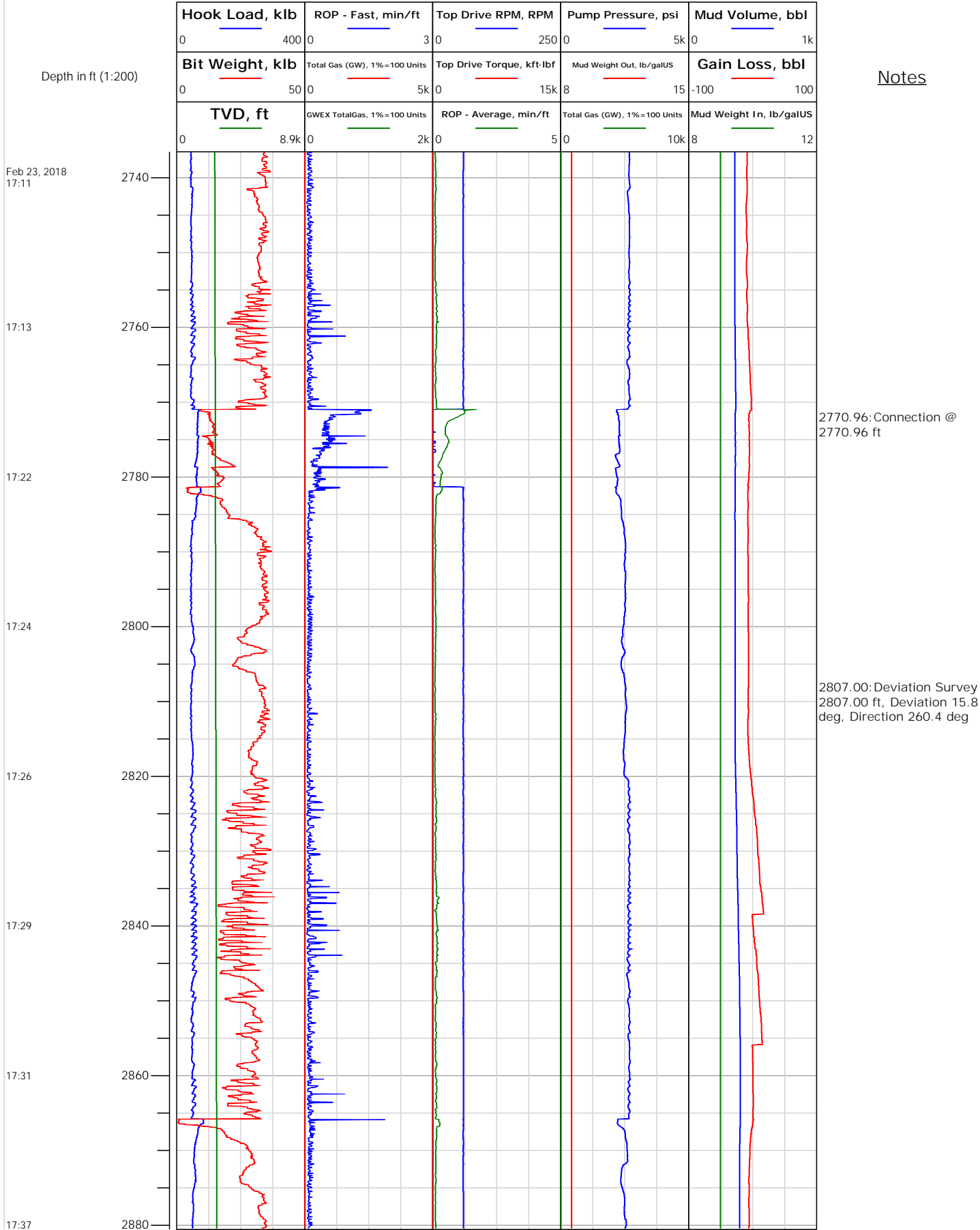
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





Electronic Drilling Recorder

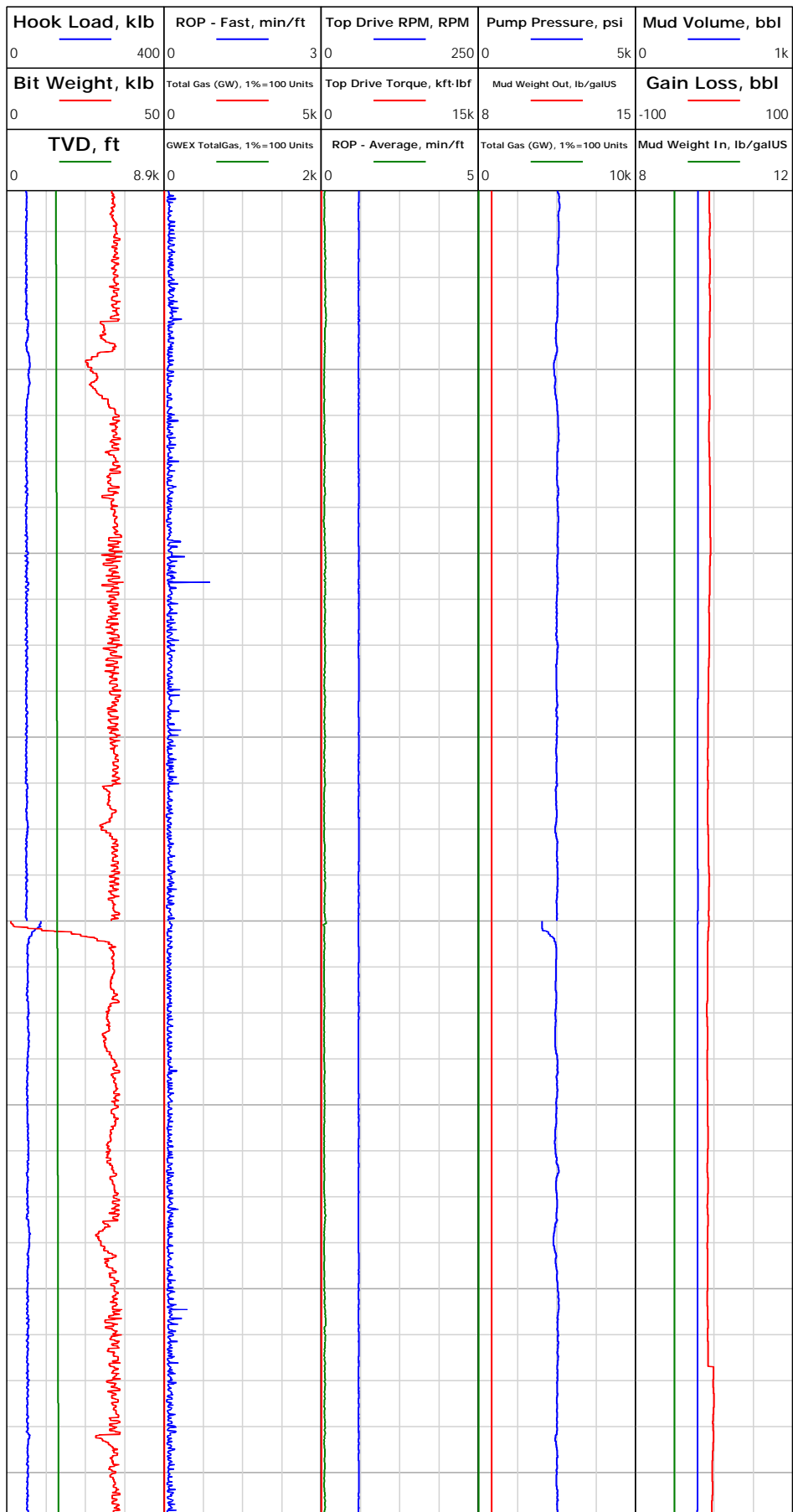
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes

Depth in ft (1:200)



Feb 23, 2018
17:39

17:41

17:43

17:46

17:51

17:53

17:55



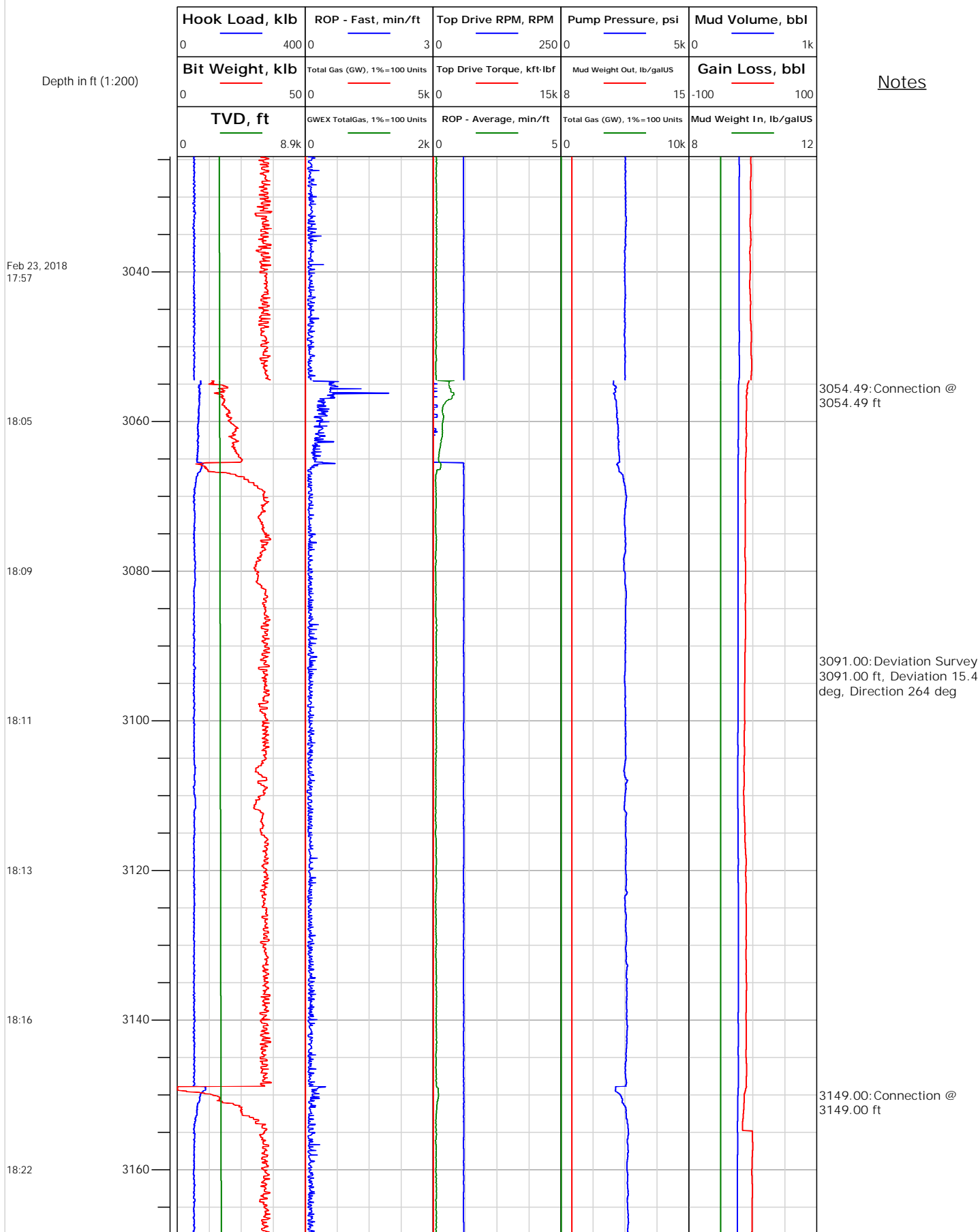
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





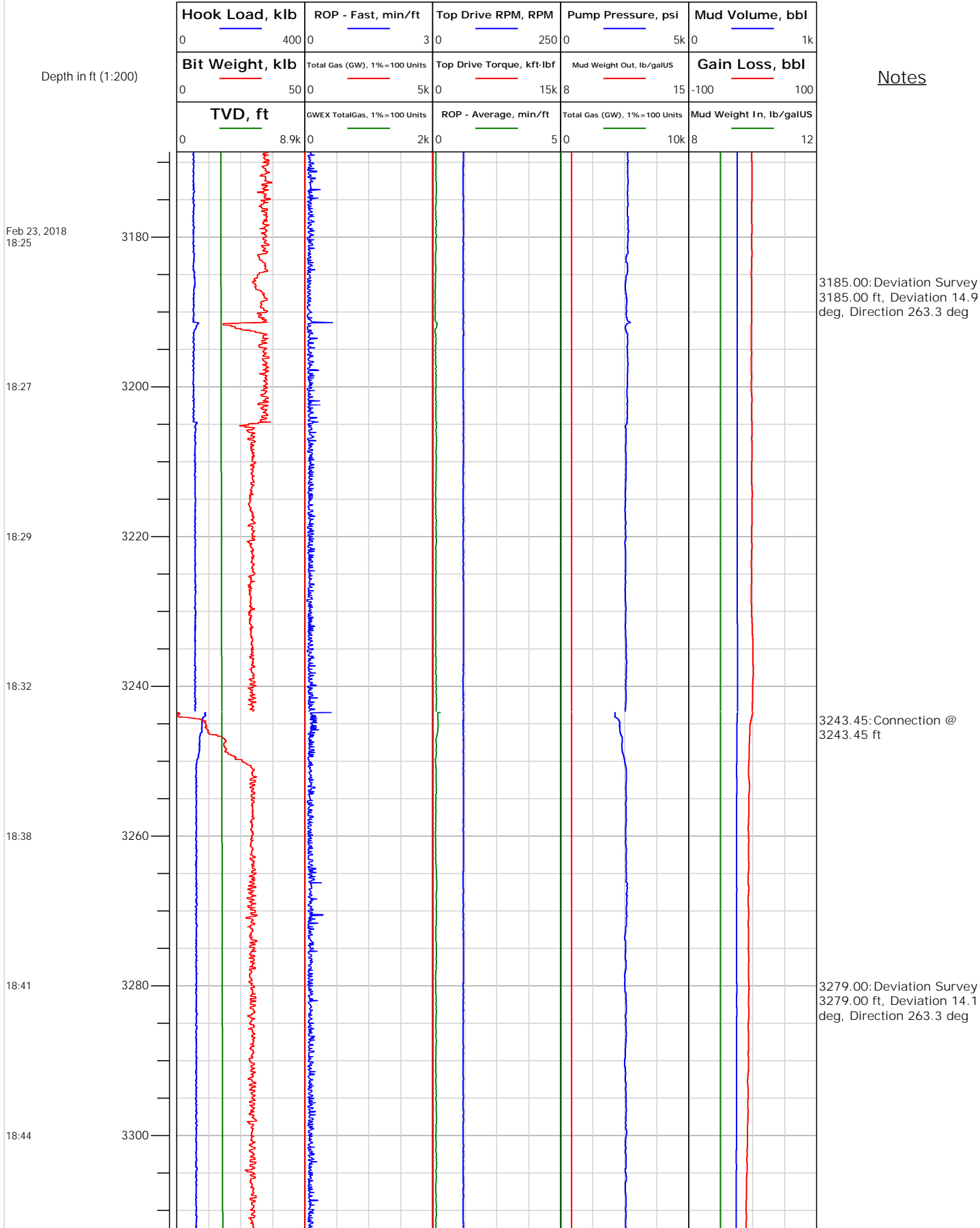
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





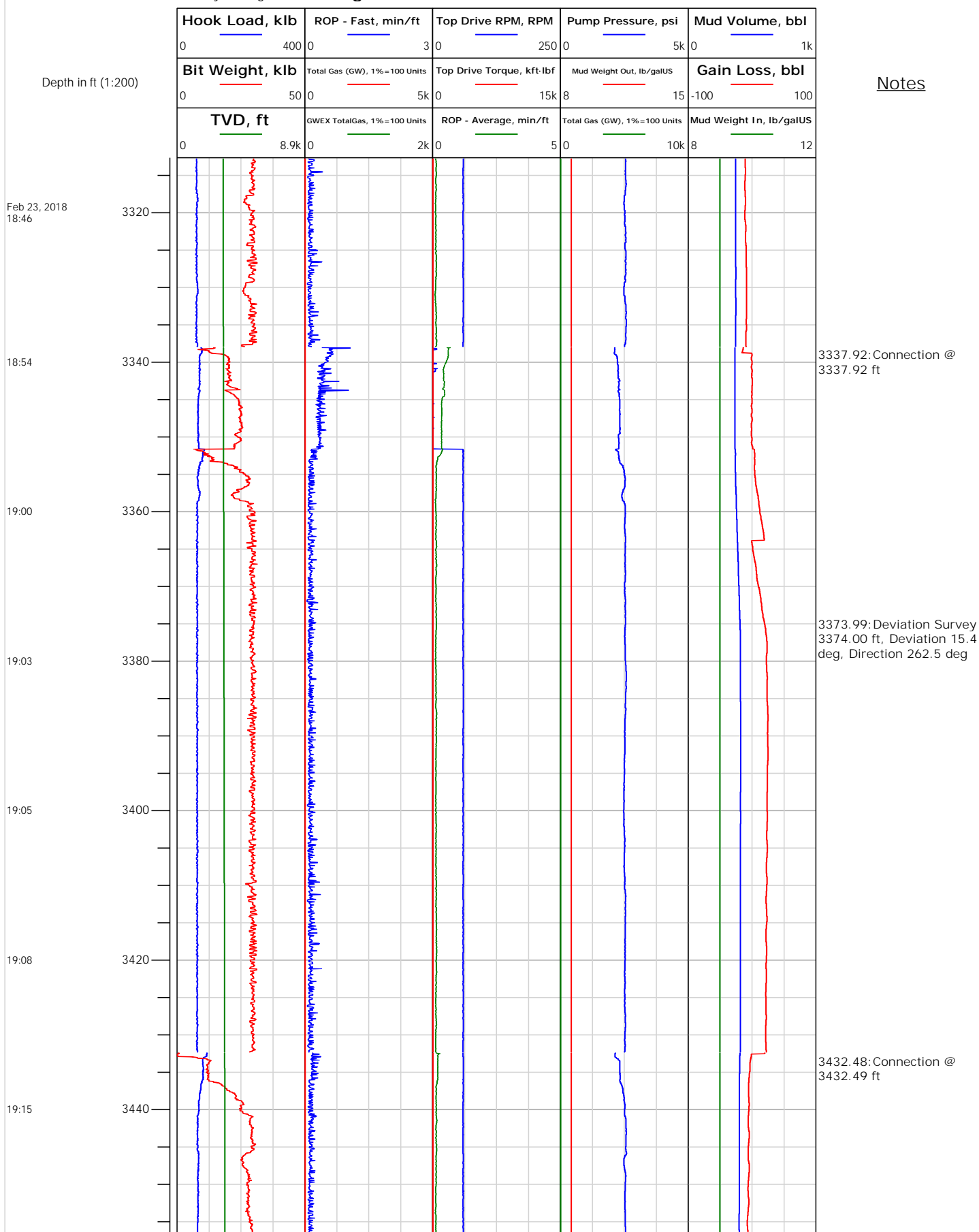
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





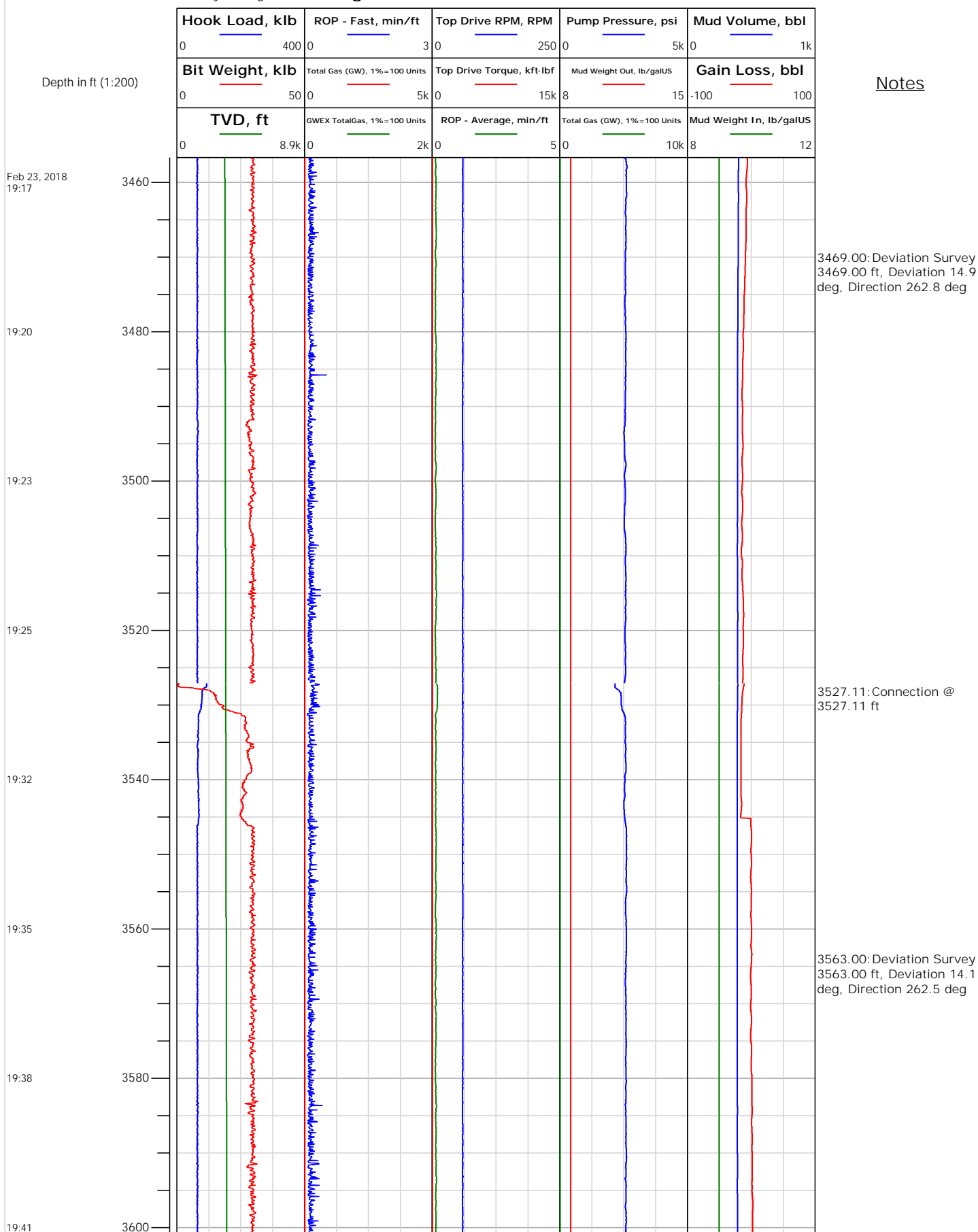
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Depth in ft (1:200)

Notes

Feb 23, 2018
19:44

19:57

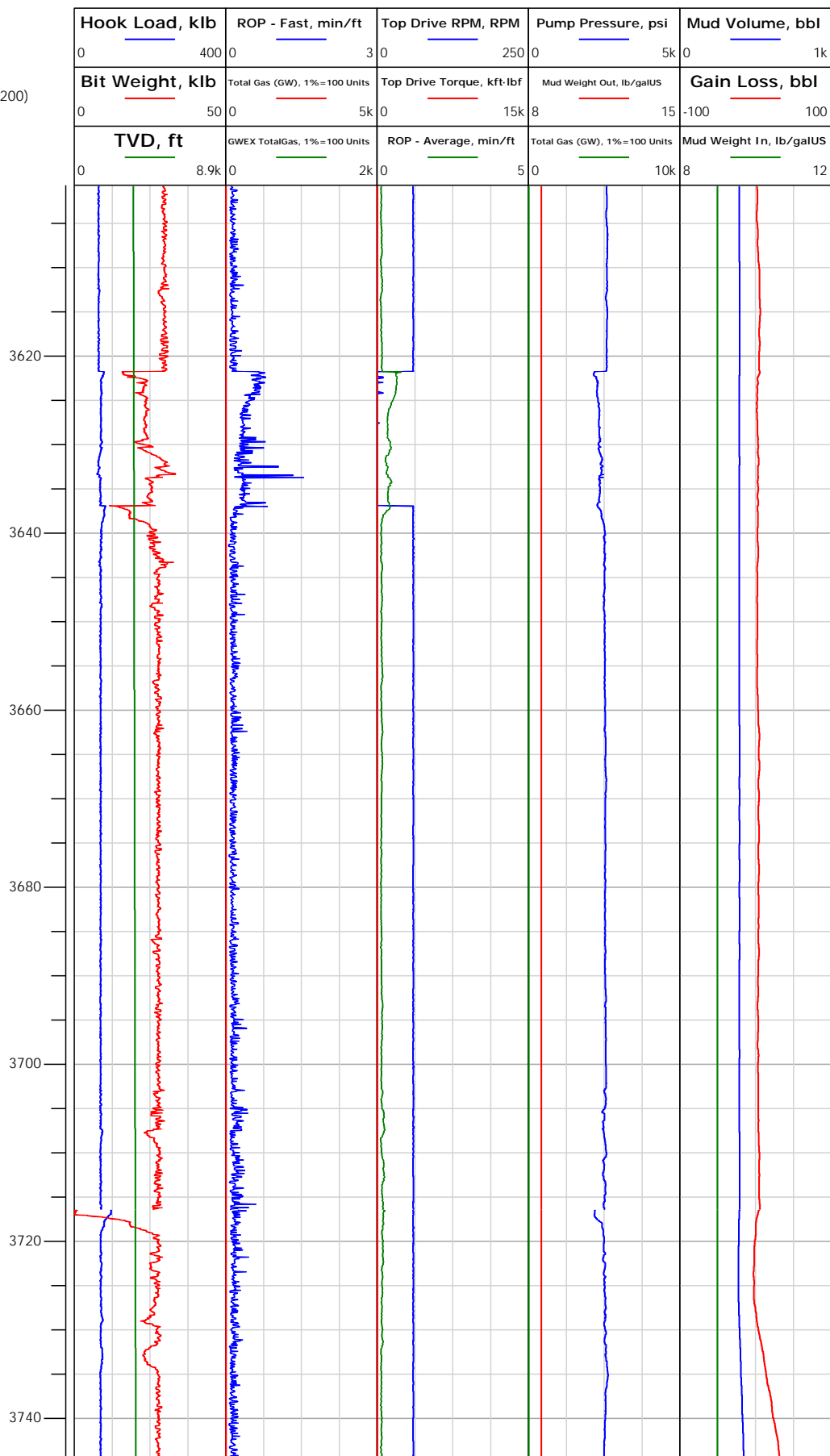
20:00

20:03

20:06

20:13

20:16



3621.68: Connection @
3621.68 ft

3658.00: Deviation Survey
3658.00 ft, Deviation 15.2
deg, Direction 263.4 deg

3716.55: Connection @
3716.55 ft



Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes

Depth in ft (1:200)

Feb 23, 2018
20:19

20:22

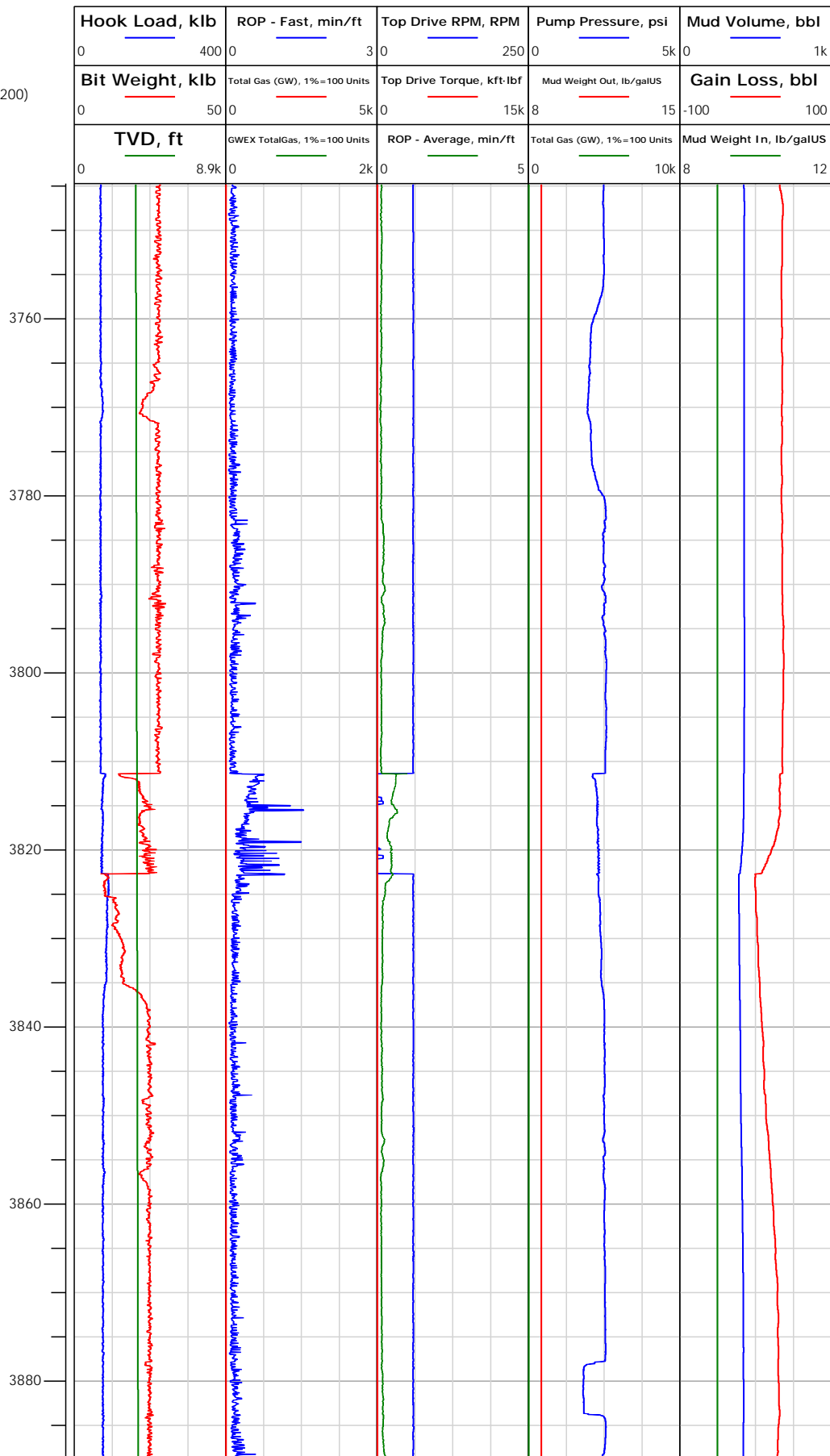
20:25

20:36

20:41

20:45

20:48



3753.00: Deviation Survey
3753.00 ft, Deviation 14.5 deg, Direction 263.4 deg

3811.37: Connection @
3811.37 ft

3846.99: Deviation Survey
3847.00 ft, Deviation 15.2 deg, Direction 261.4 deg



Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Depth in ft (1:200)

Notes

Feb 23, 2018
20:53

21:03

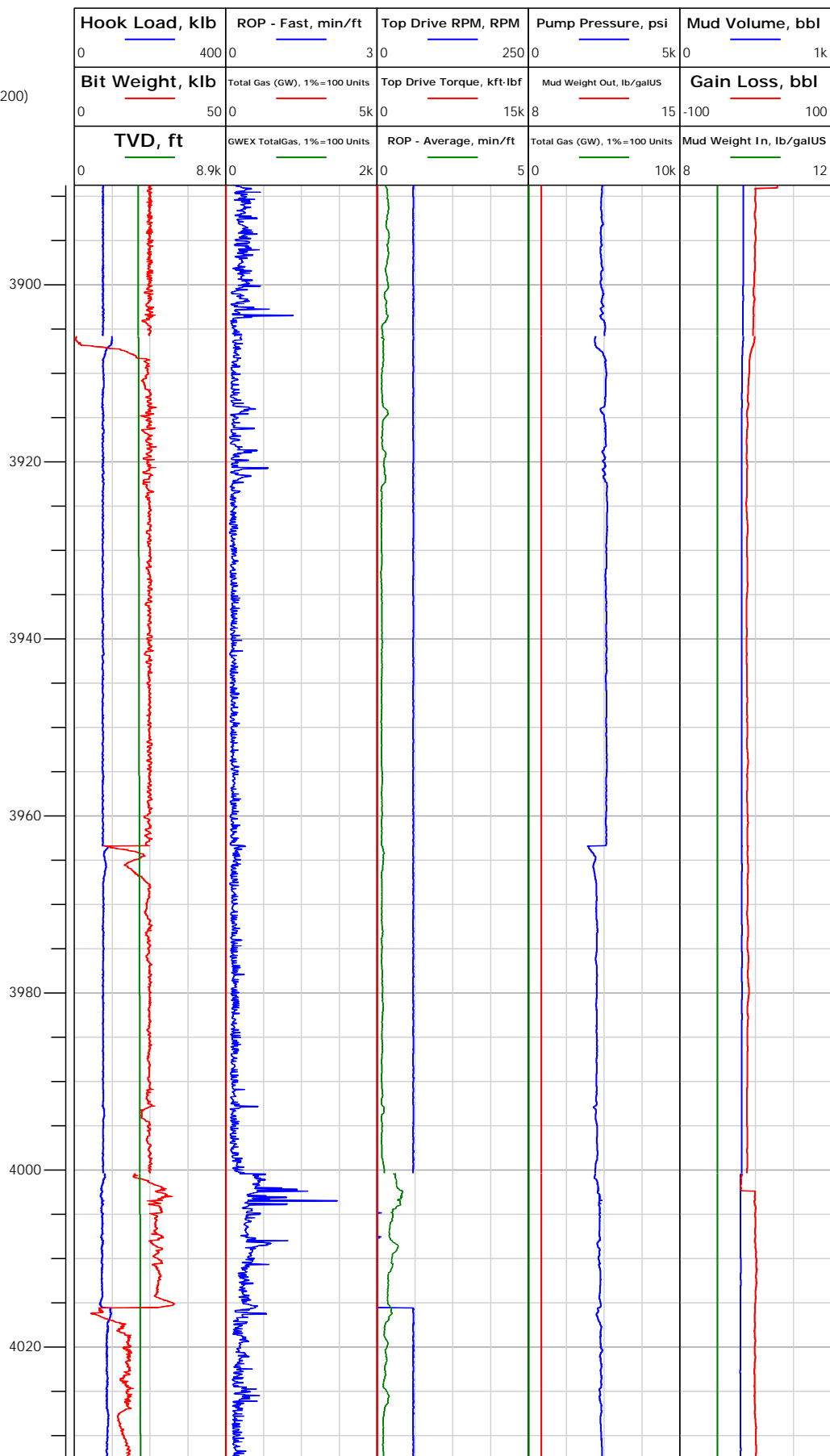
21:06

21:09

21:15

21:19

21:36





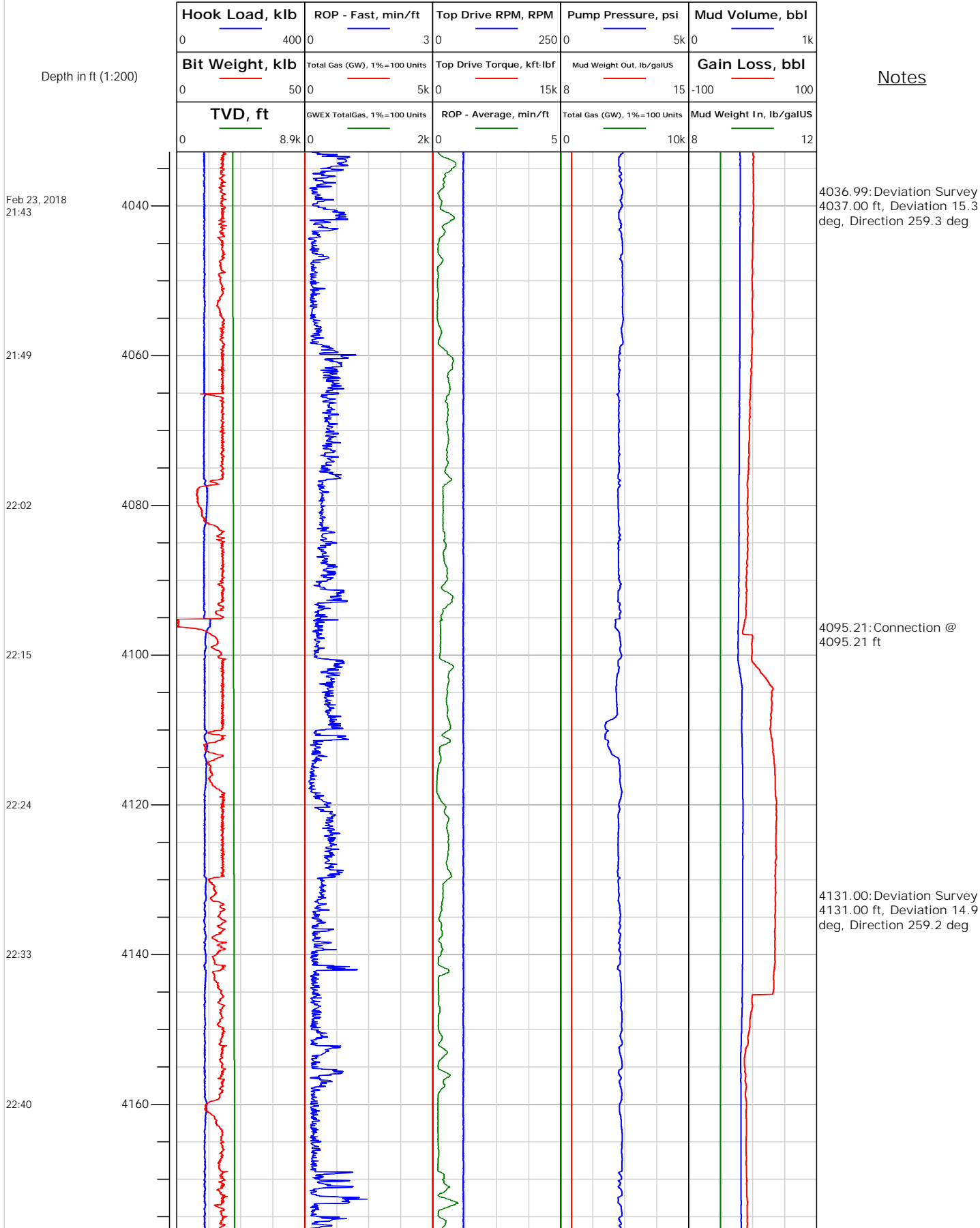
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





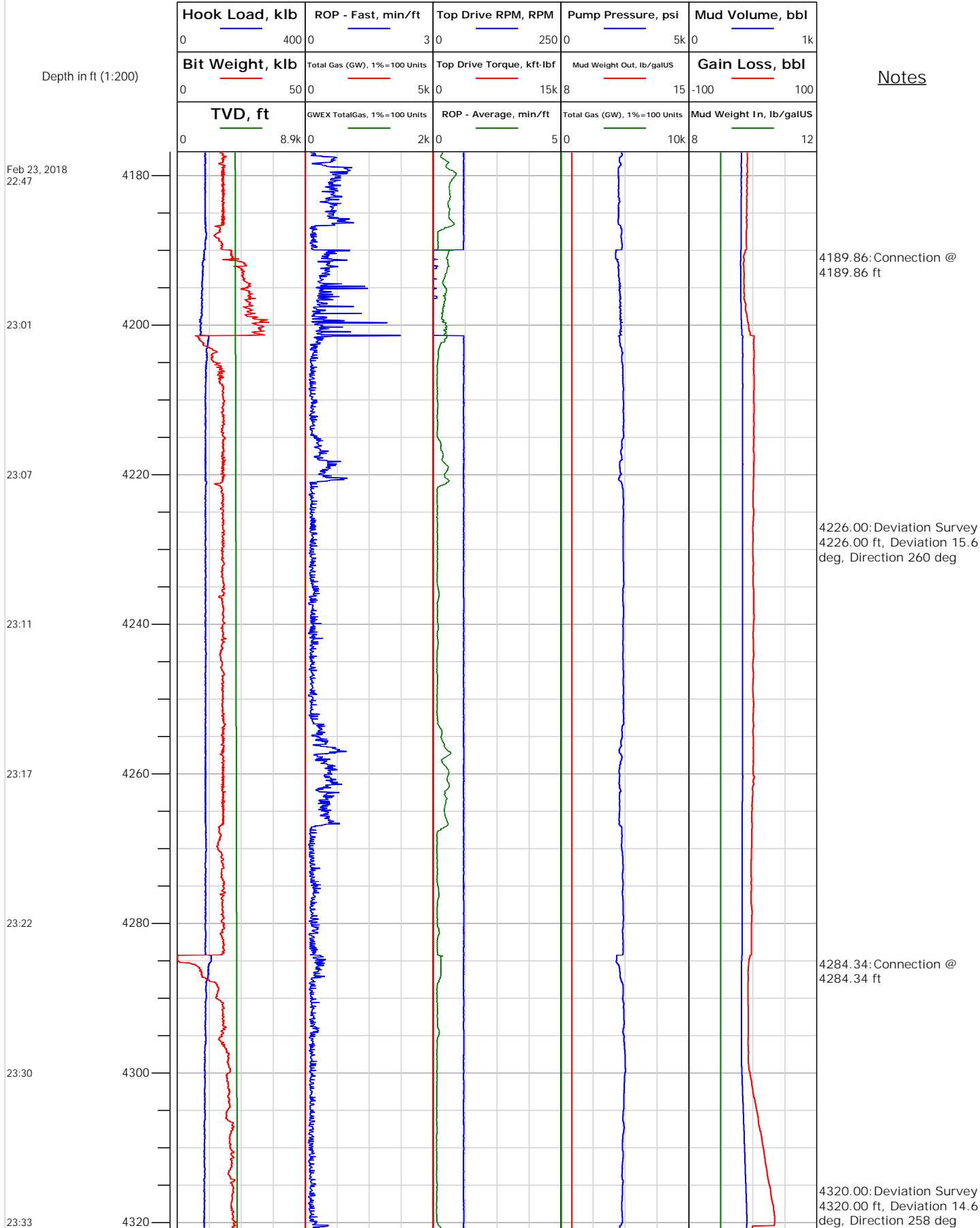
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





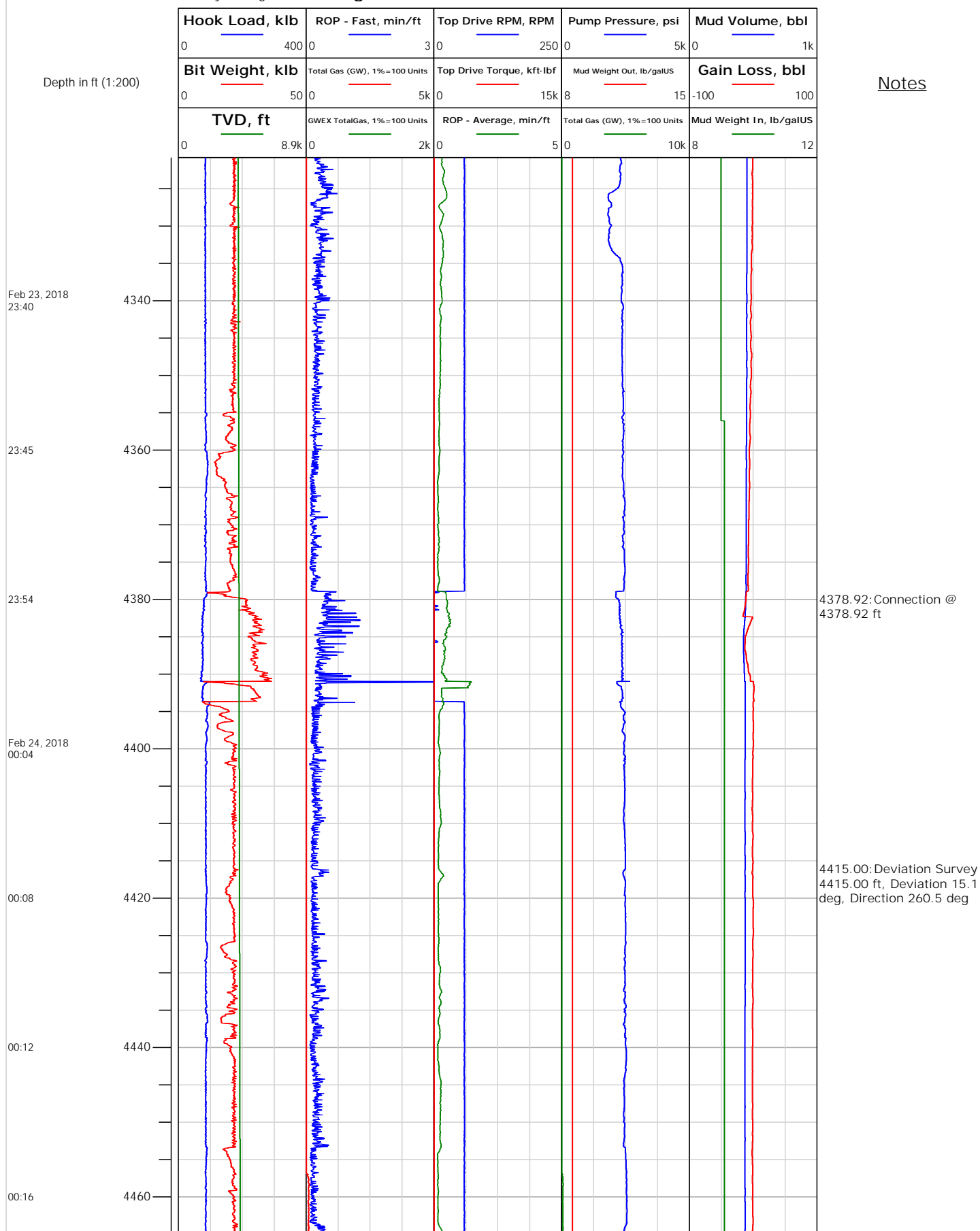
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Depth in ft (1:200)

Notes

Feb 24, 2018
00:27

00:35

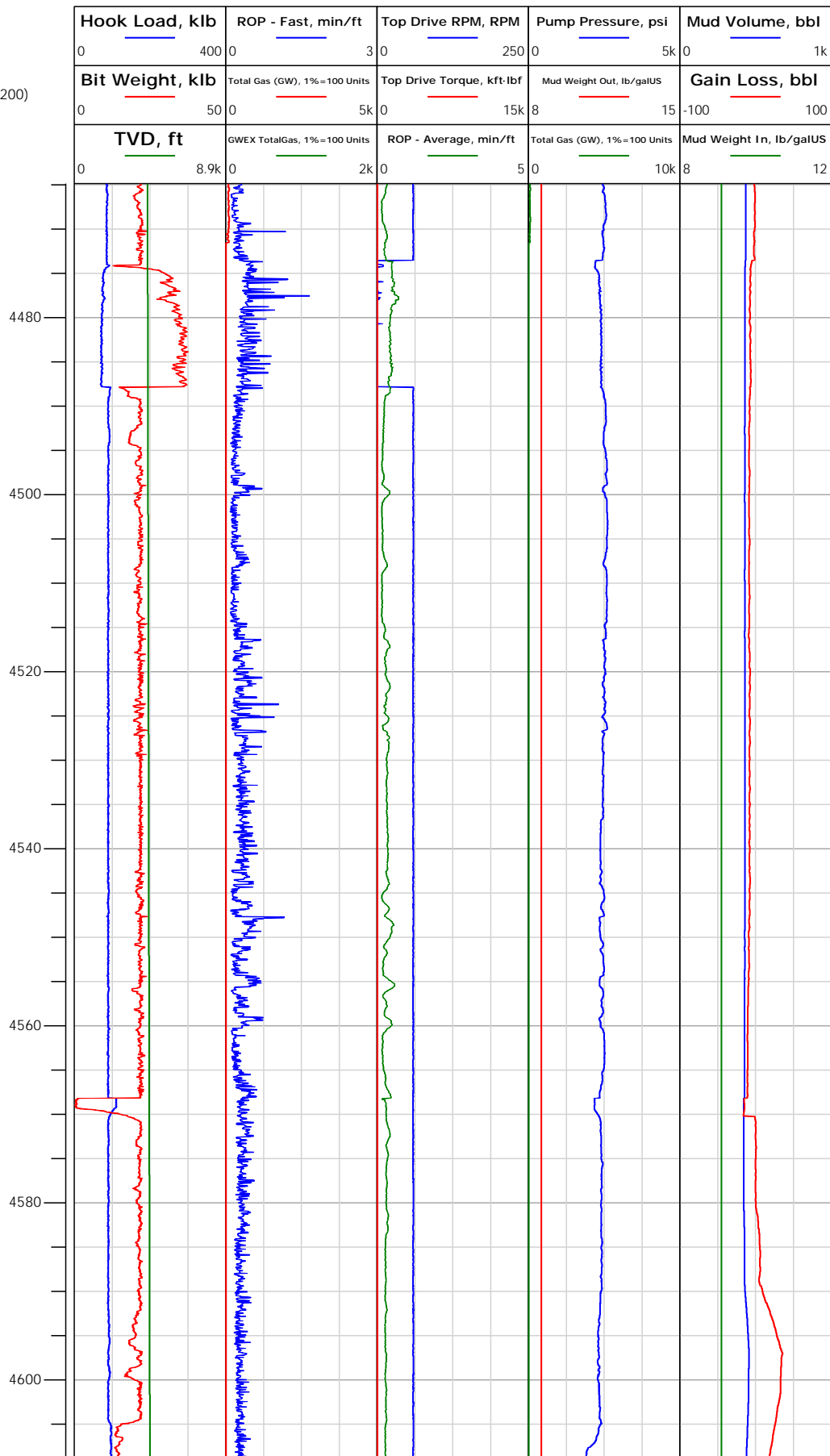
00:39

00:45

00:52

01:03

01:08





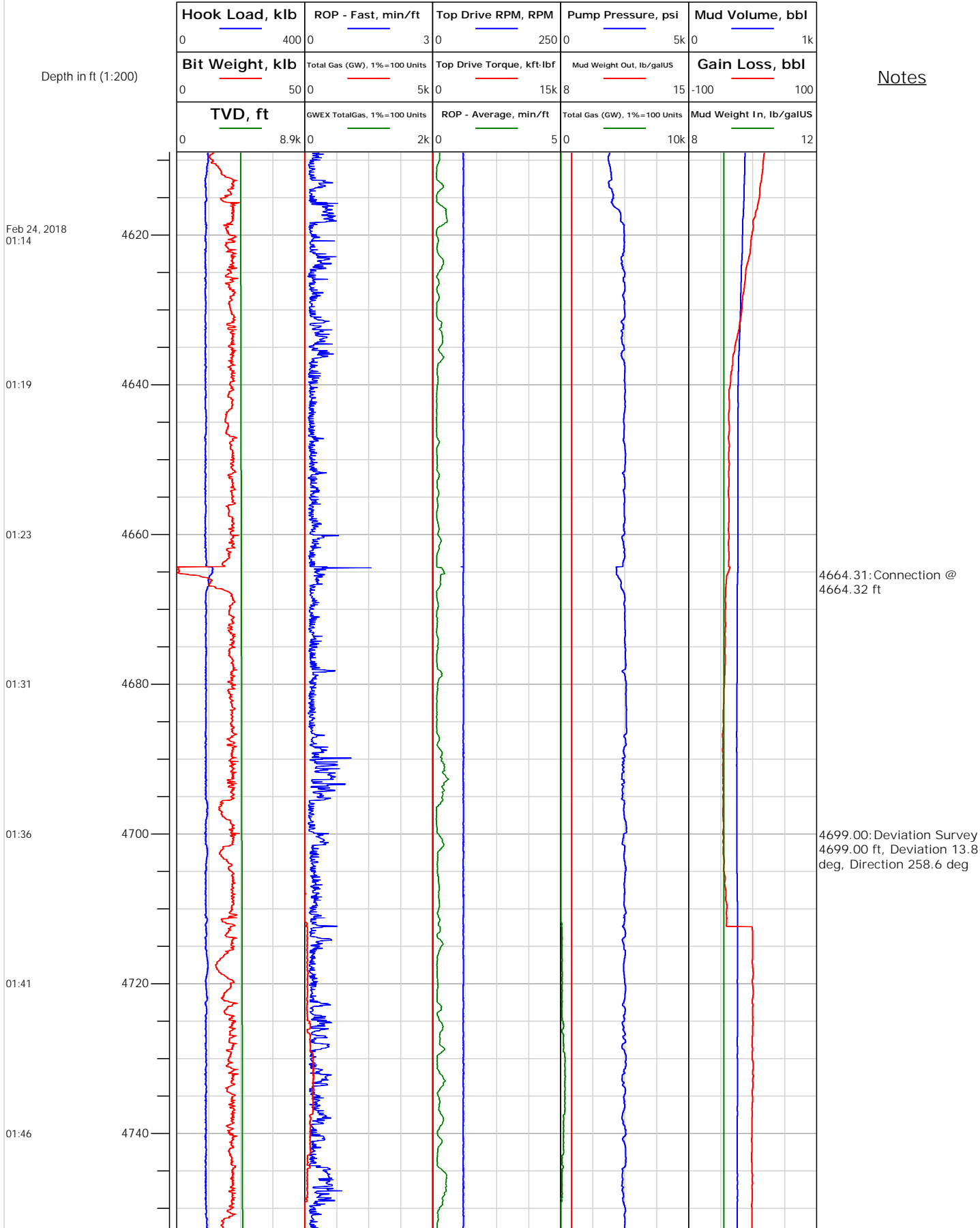
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





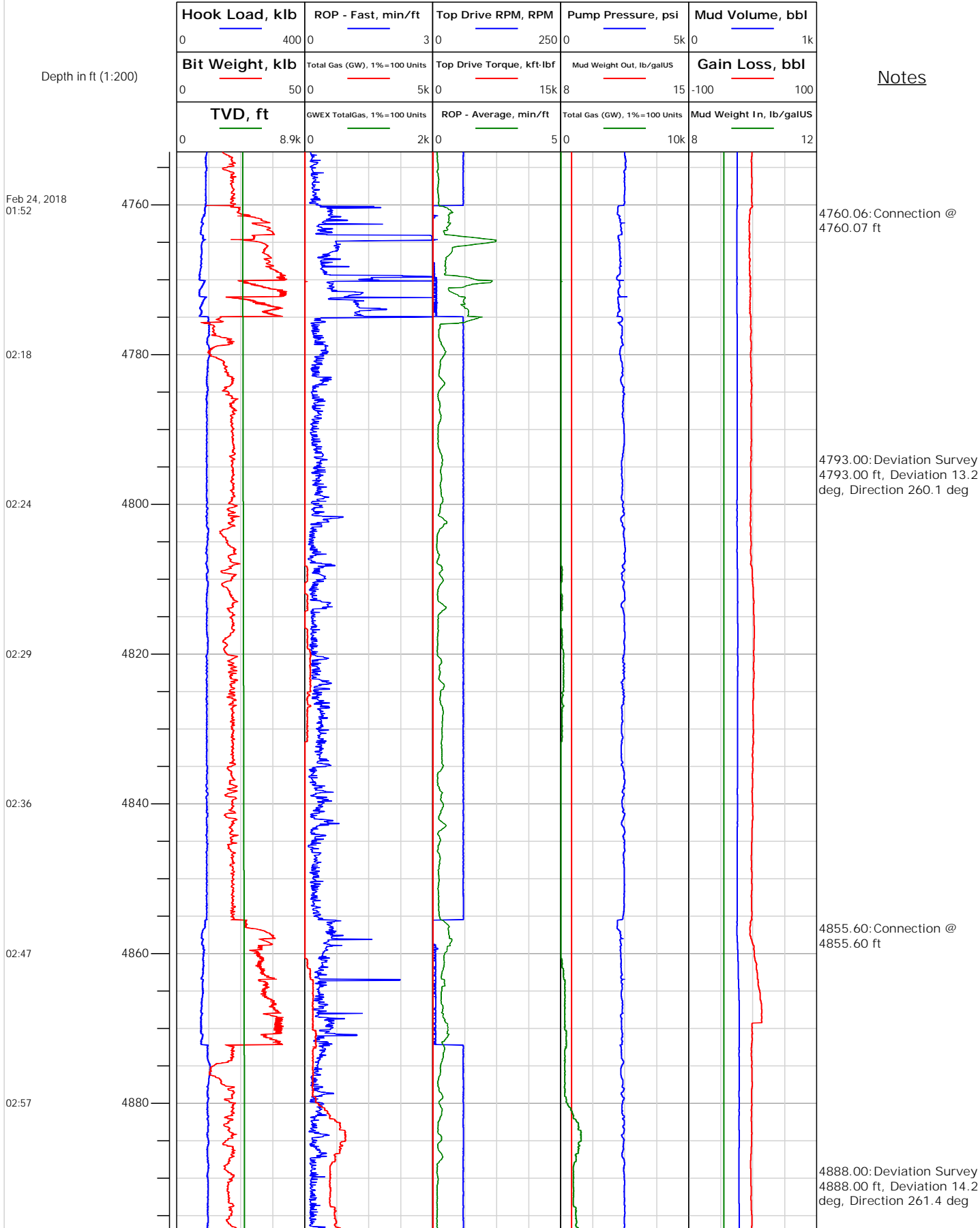
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





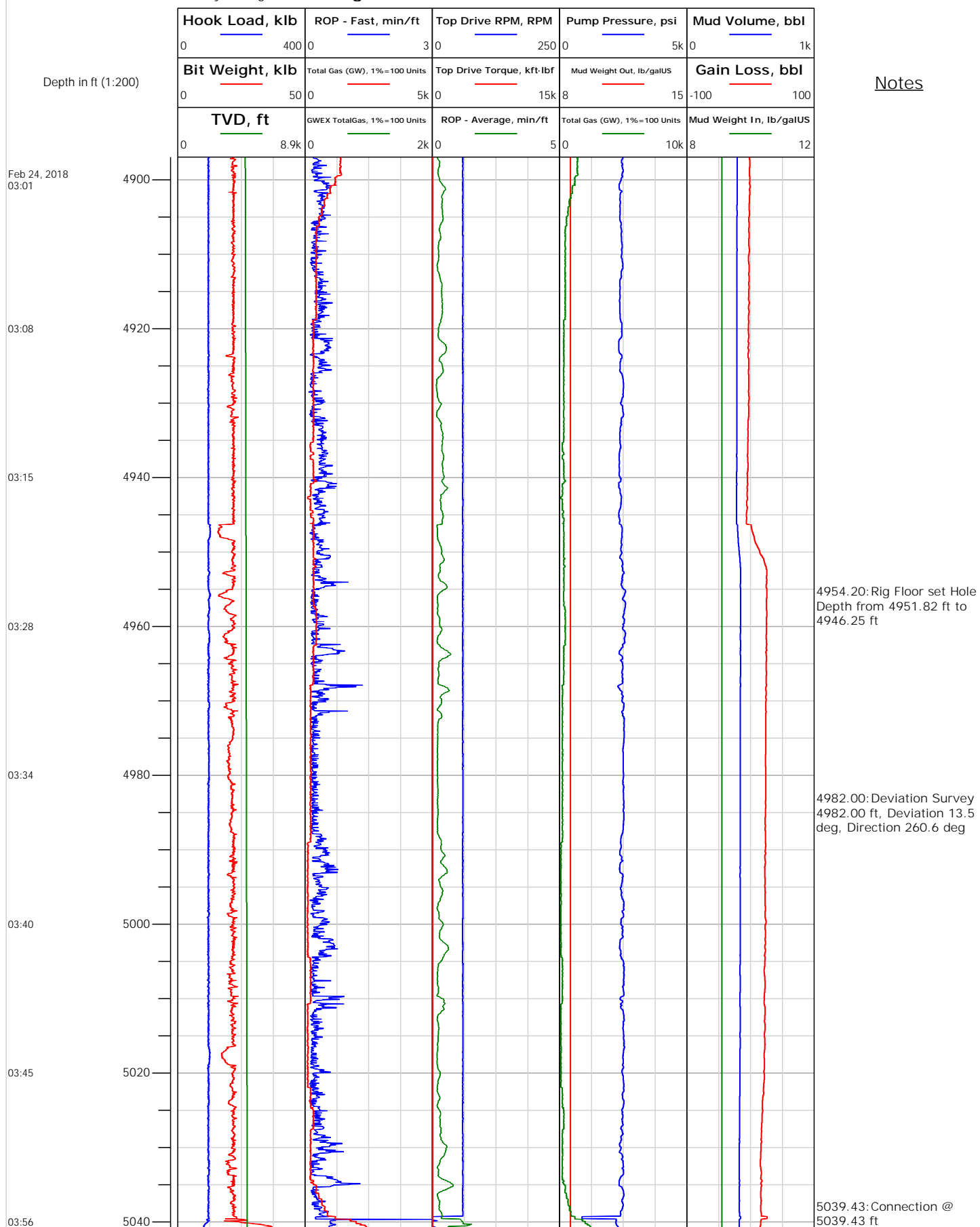
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes

Depth in ft (1:200)



Feb 24, 2018
04:07

04:15

04:22

04:29

04:45

04:56

05:05

5077.00: Deviation Survey
5077.00 ft, Deviation 10.9
deg, Direction 257.1 deg

5135.13: Connection @
5135.13 ft

5171.00: Deviation Survey
5171.00 ft, Deviation 9.1
deg, Direction 257.8 deg



Electronic Drilling Recorder

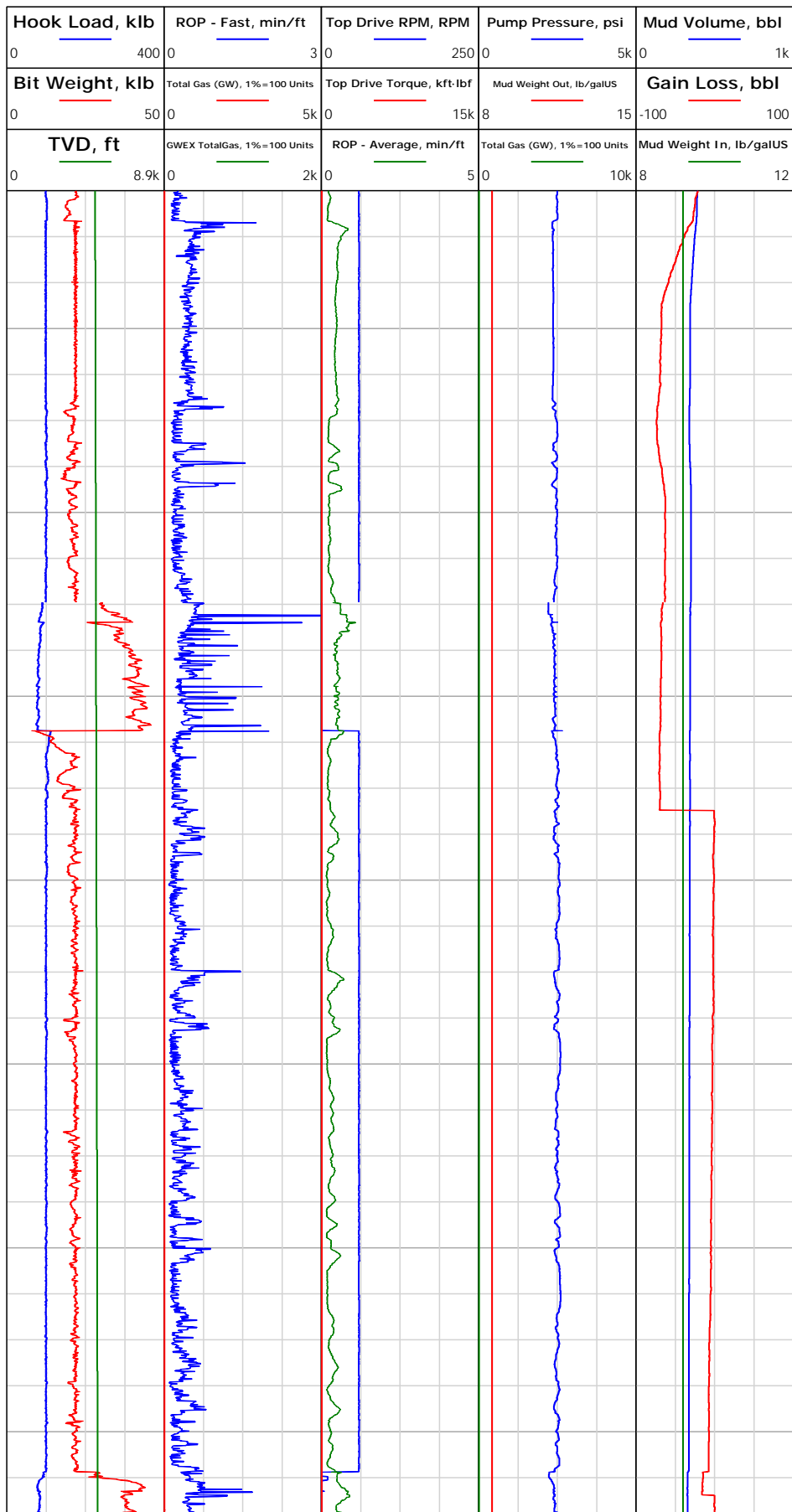
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes

Depth in ft (1:200)





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes

Depth in ft (1:200)

Feb 24, 2018
06:31

06:40

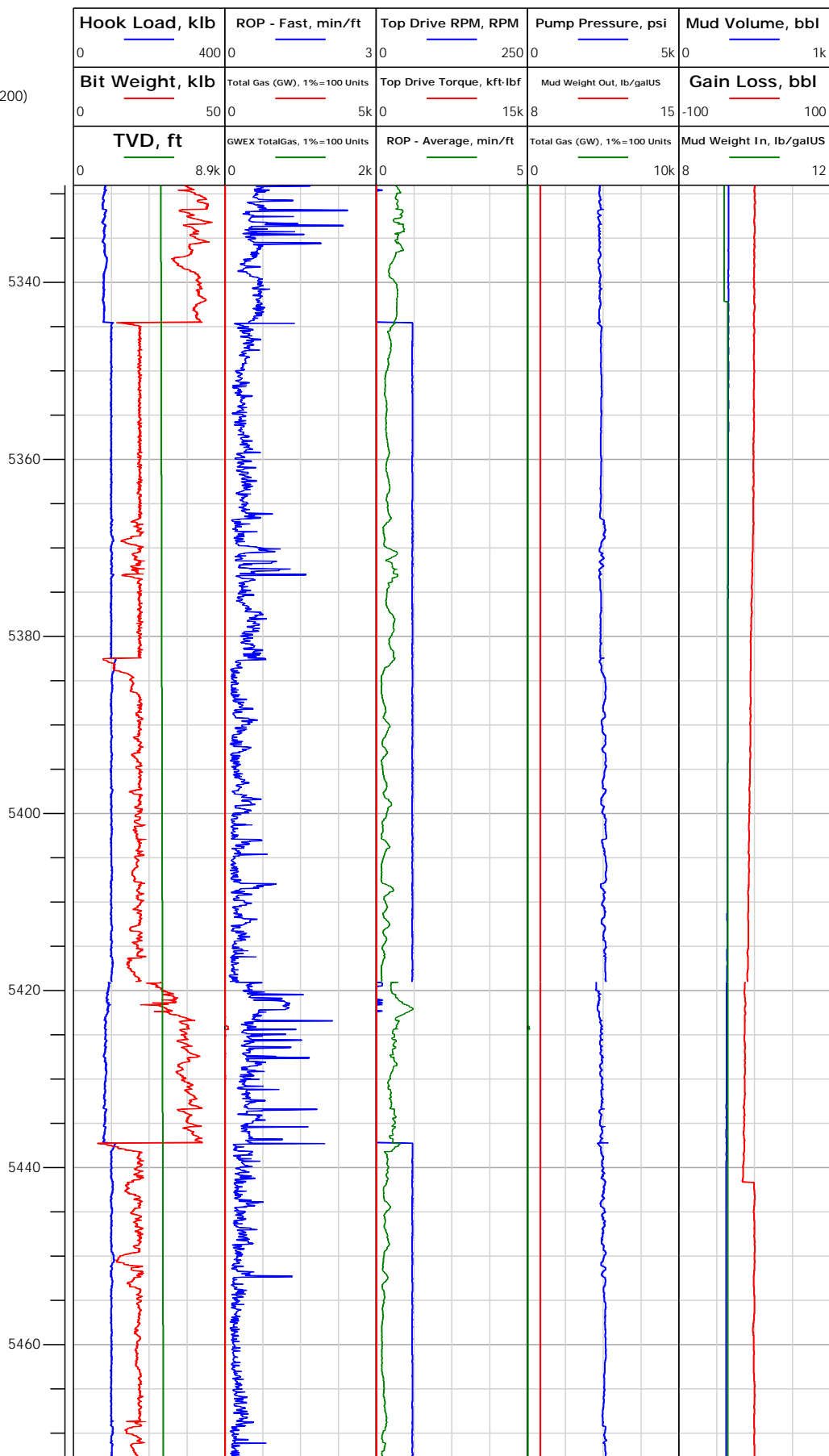
06:49

06:55

07:05

07:17

07:23





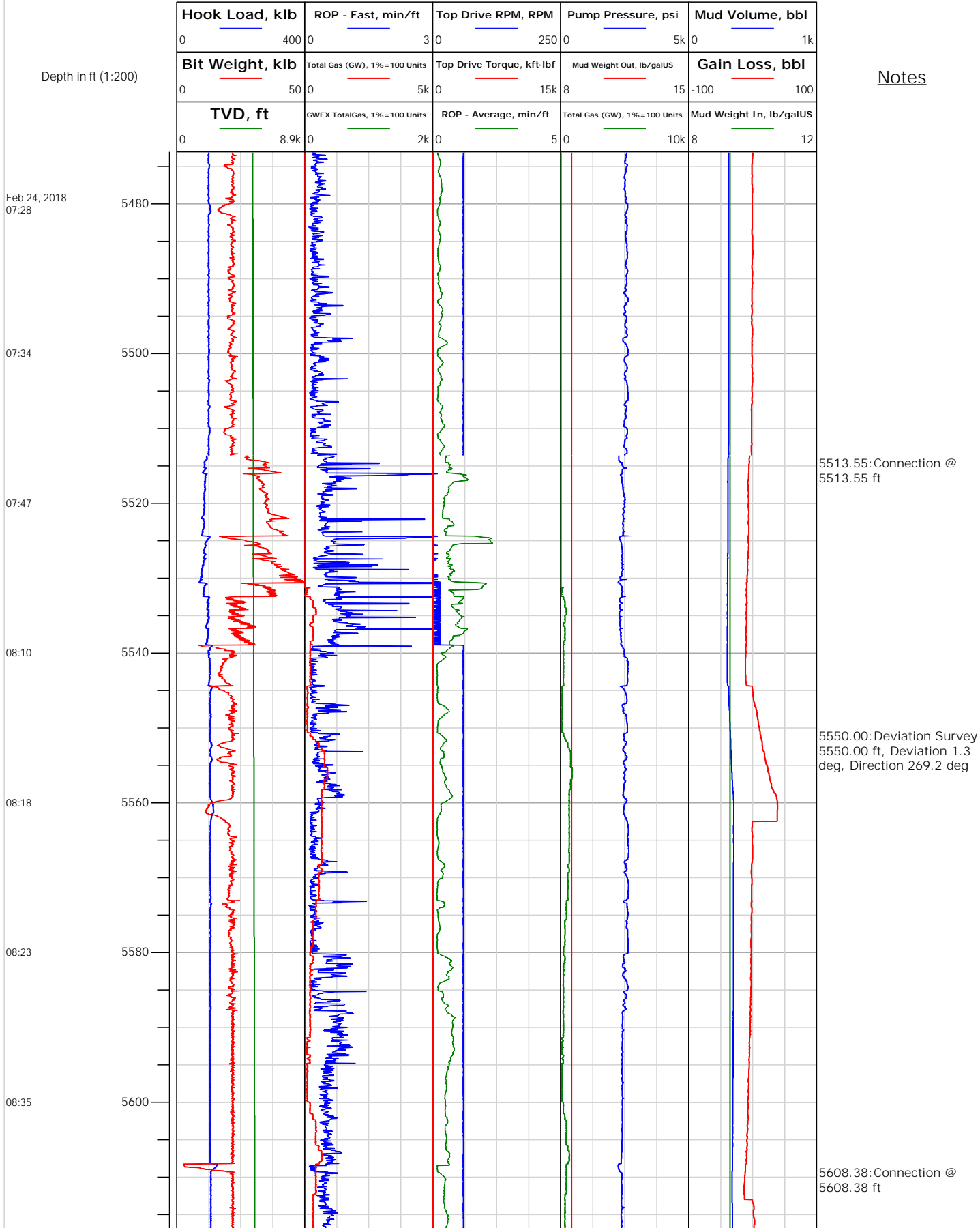
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





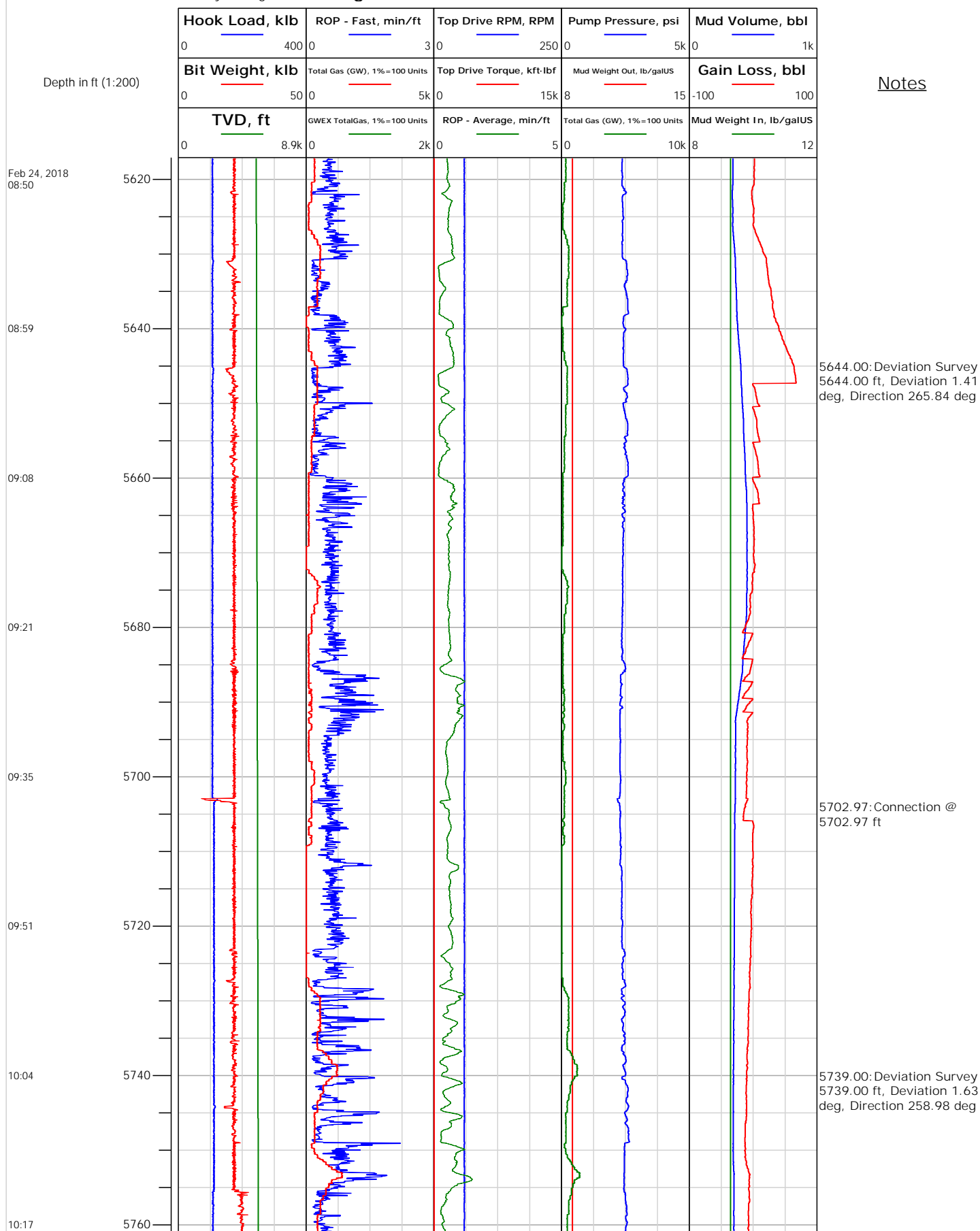
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





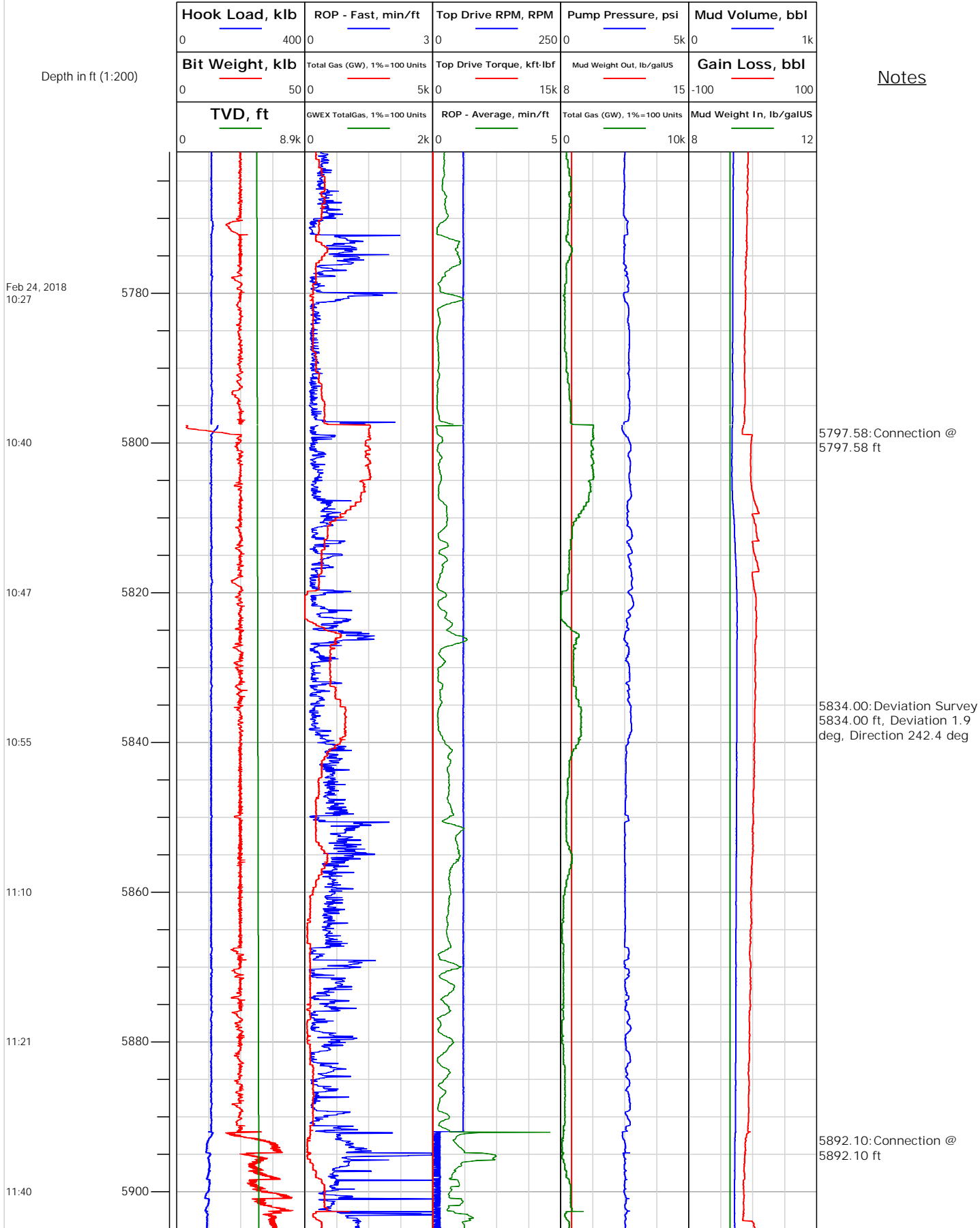
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





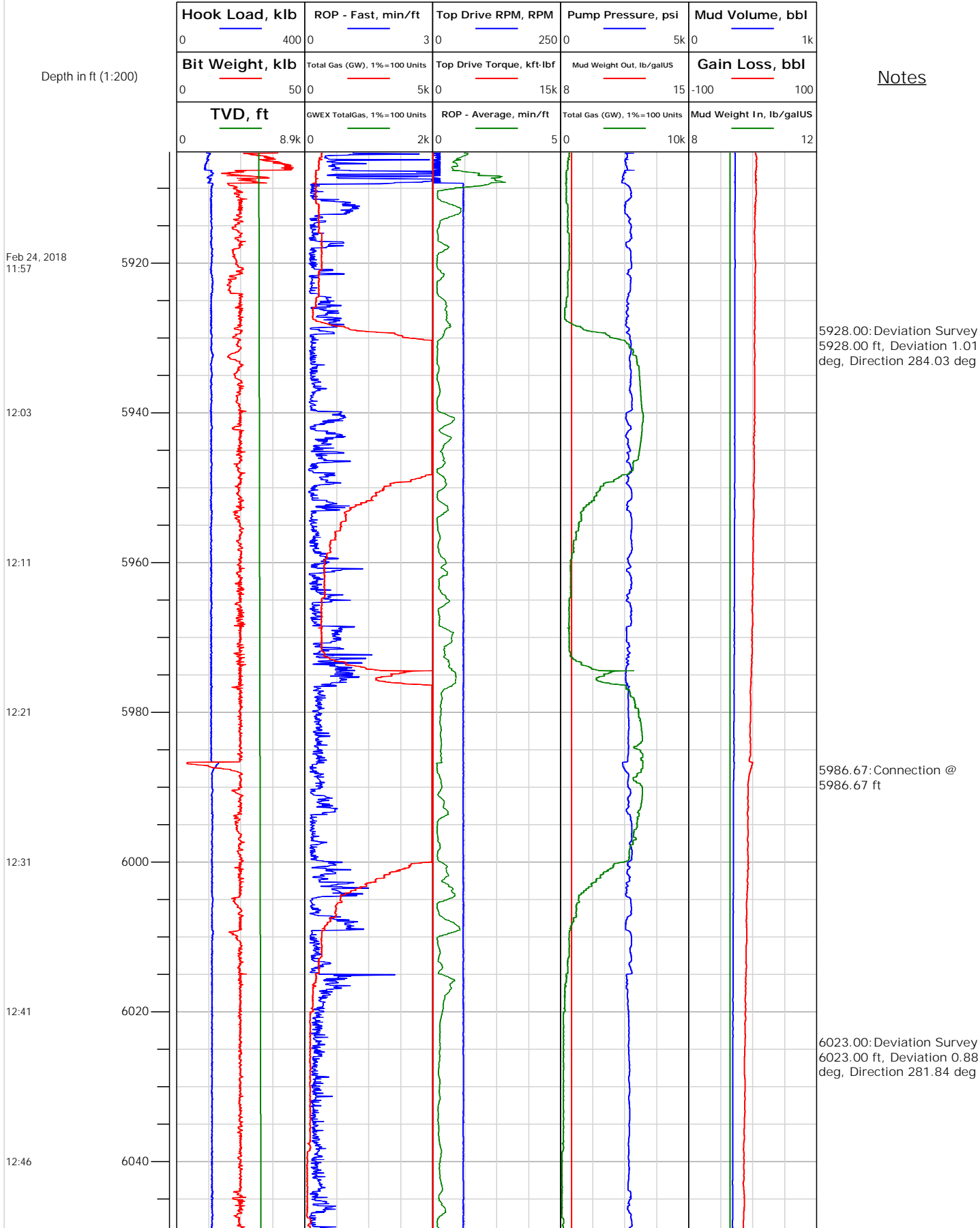
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes

Depth in ft (1:200)

Feb 24, 2018
12:55

13:03

13:14

13:26

13:38

13:47

13:58

6060

6080

6100

6120

6140

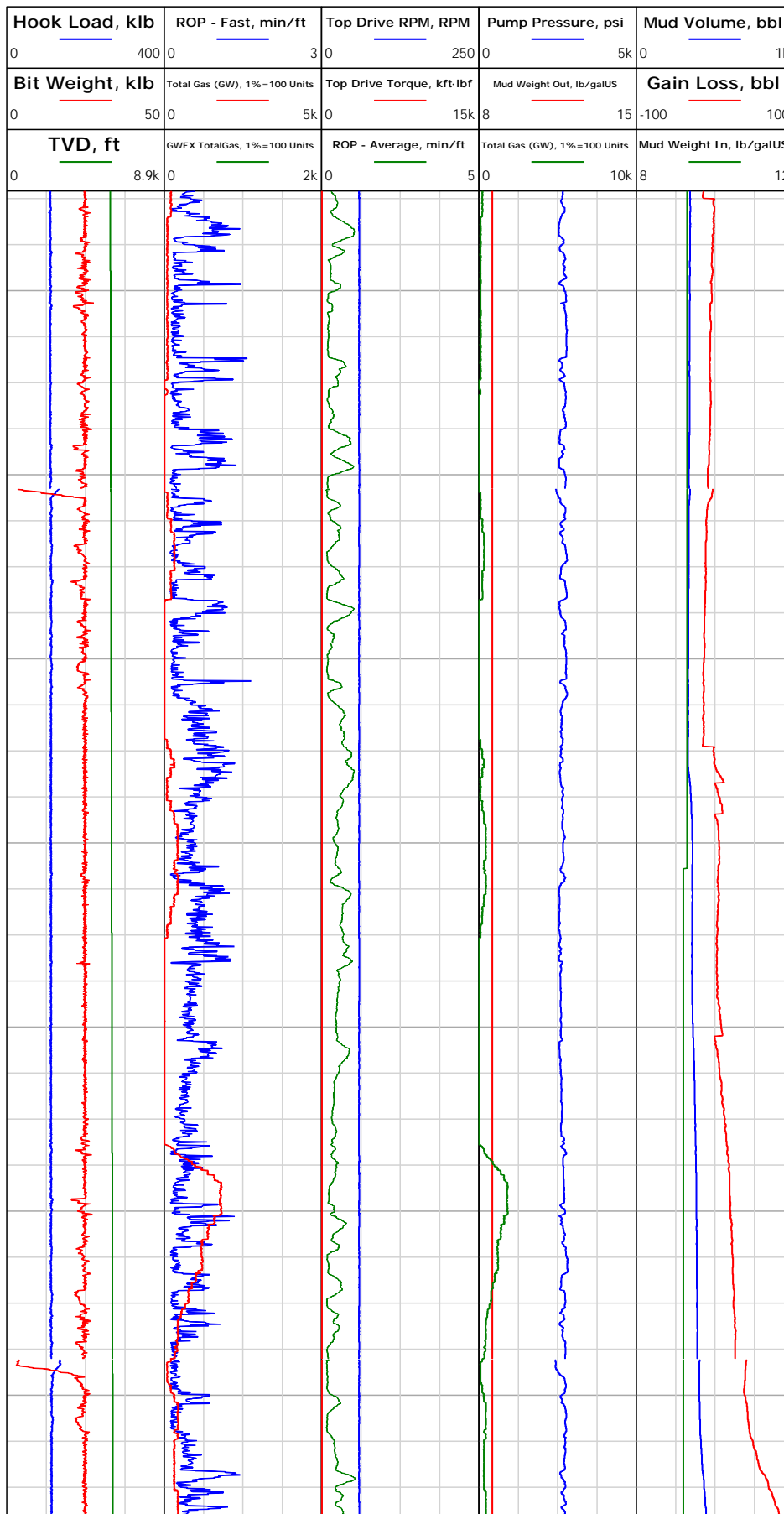
6160

6180

6081.50: Connection @
6081.50 ft

6118.00: Deviation Survey
6118.00 ft, Deviation 0.97
deg, Direction 274.36 deg

6176.23: Connection @
6176.23 ft





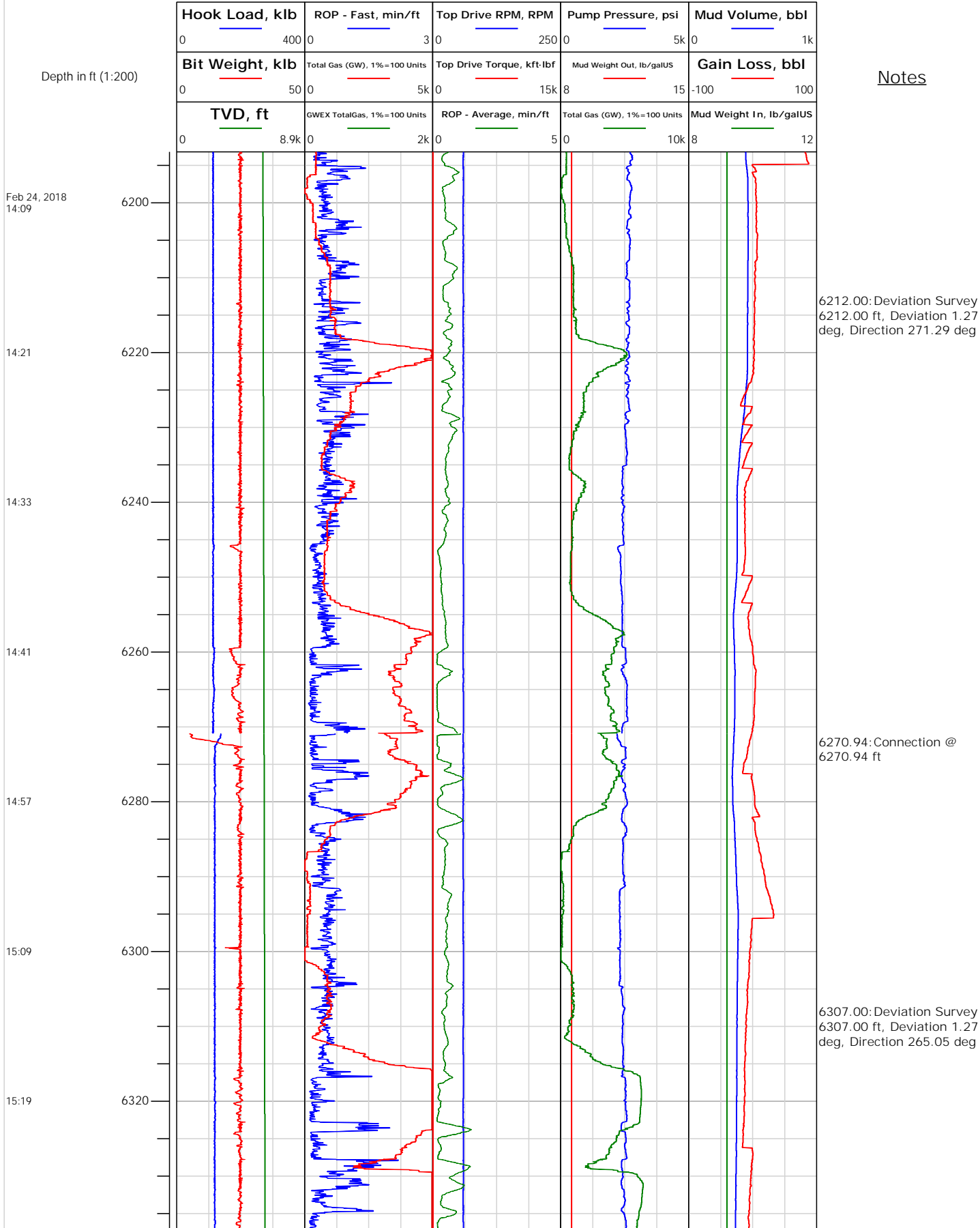
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

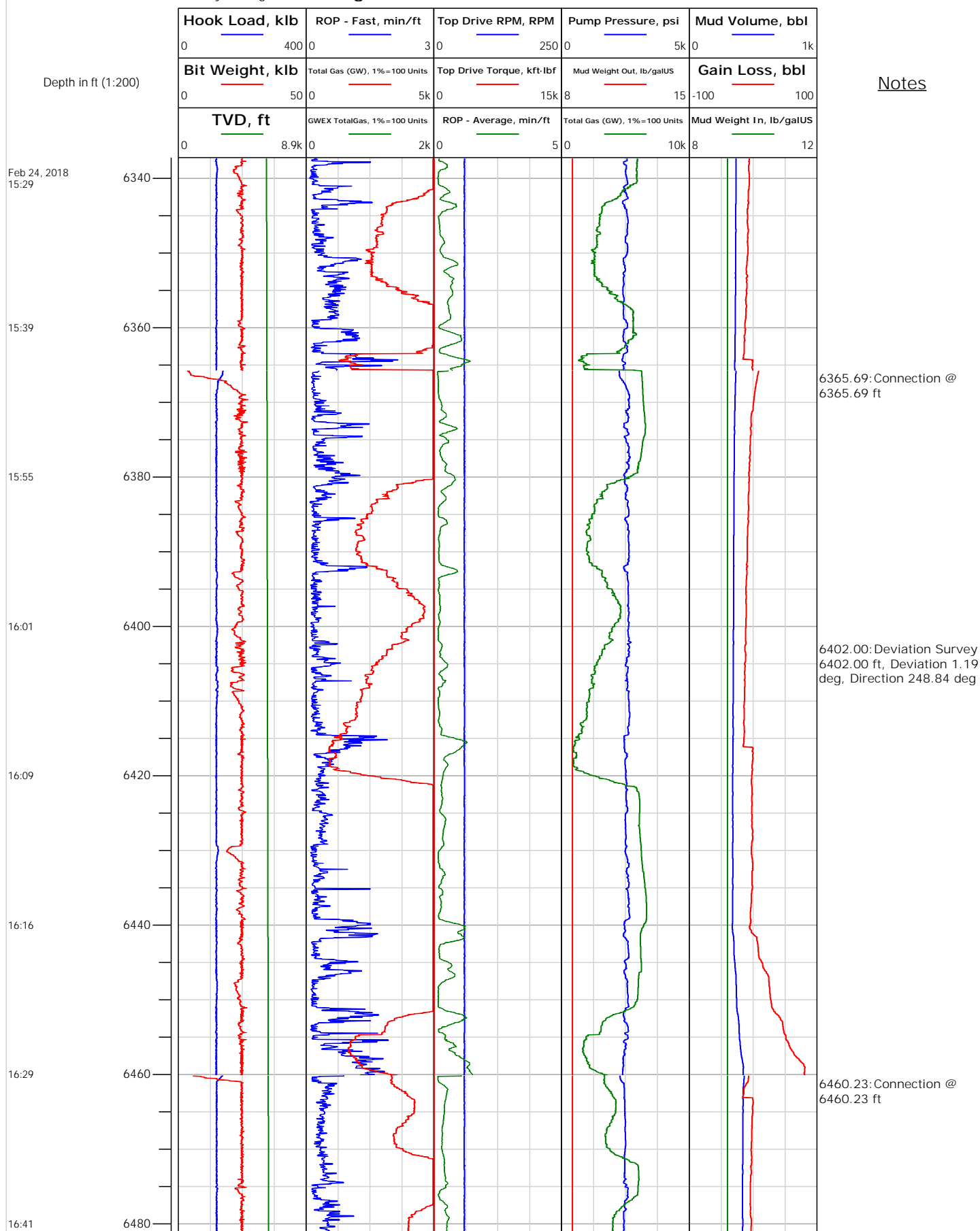
Location:

Notes



Electronic Drilling Recorder

Location:





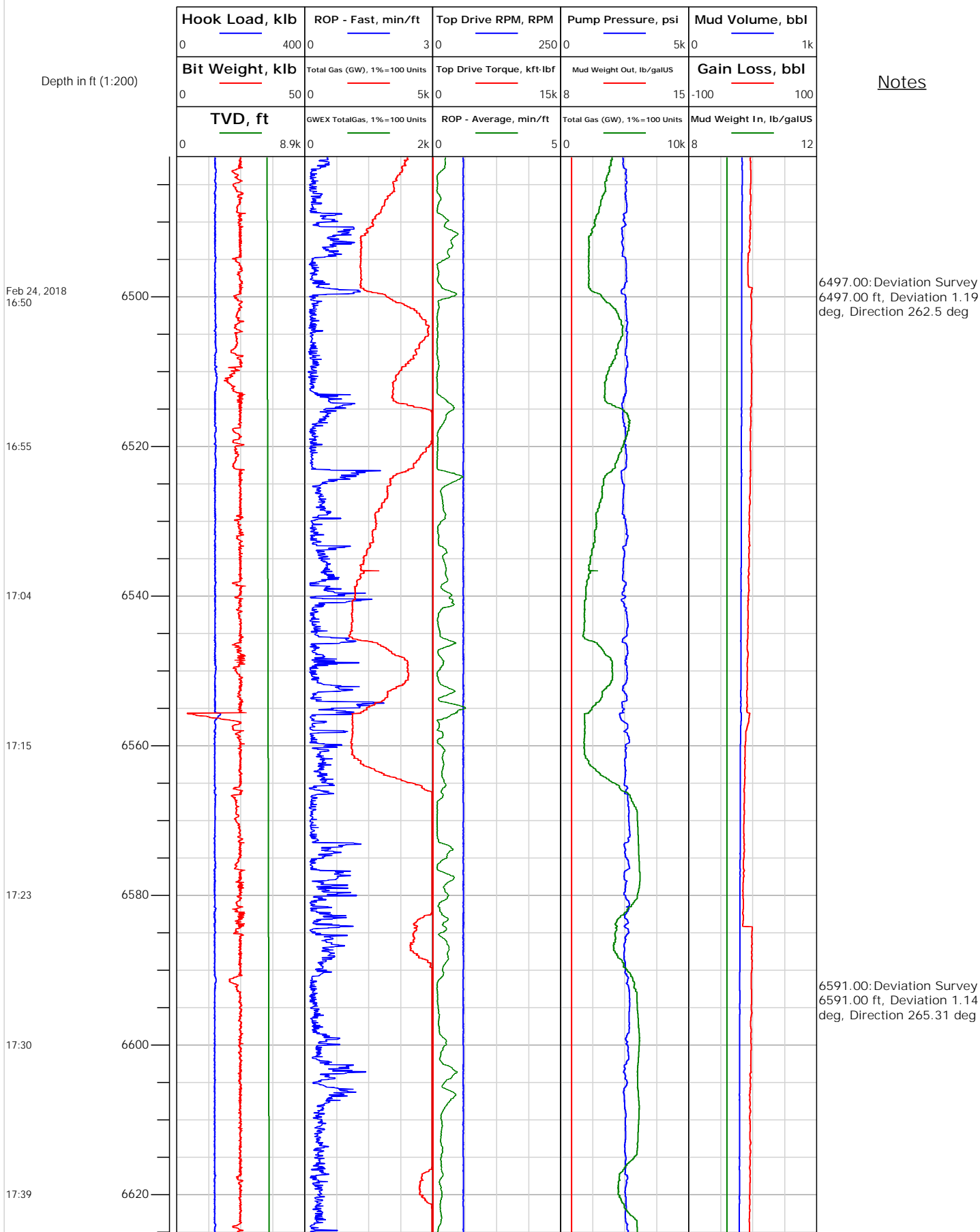
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





Electronic Drilling Recorder

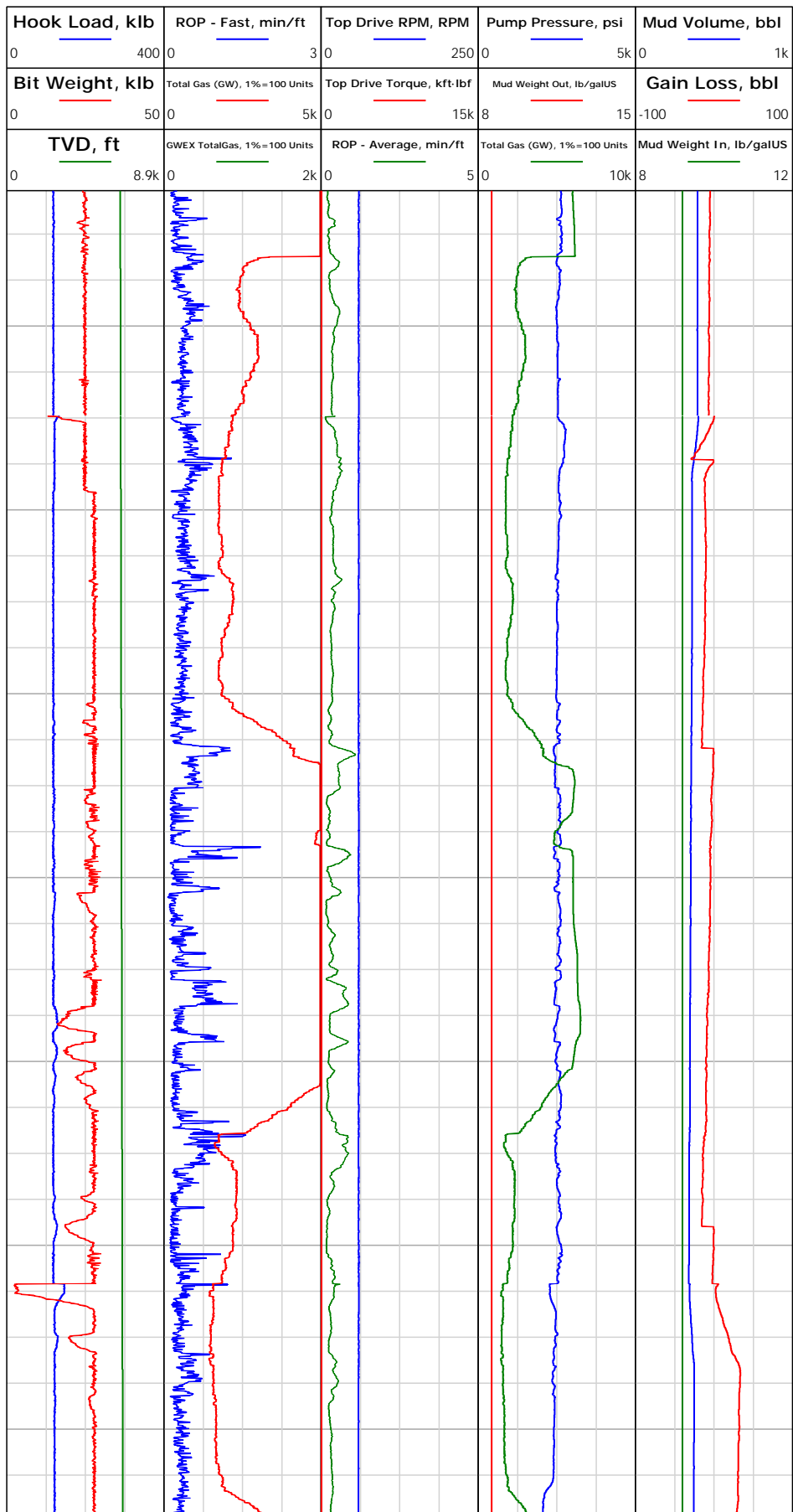
Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes

Depth in ft (1:200)



Feb 24, 2018
17:46

17:59

18:07

18:15

18:23

18:30

18:42

6649.75: Connection @
6649.75 ft

6686.00: Deviation Survey
6686.00 ft, Deviation 1.1
deg, Direction 265.84 deg

6744.31: Connection @
6744.31 ft



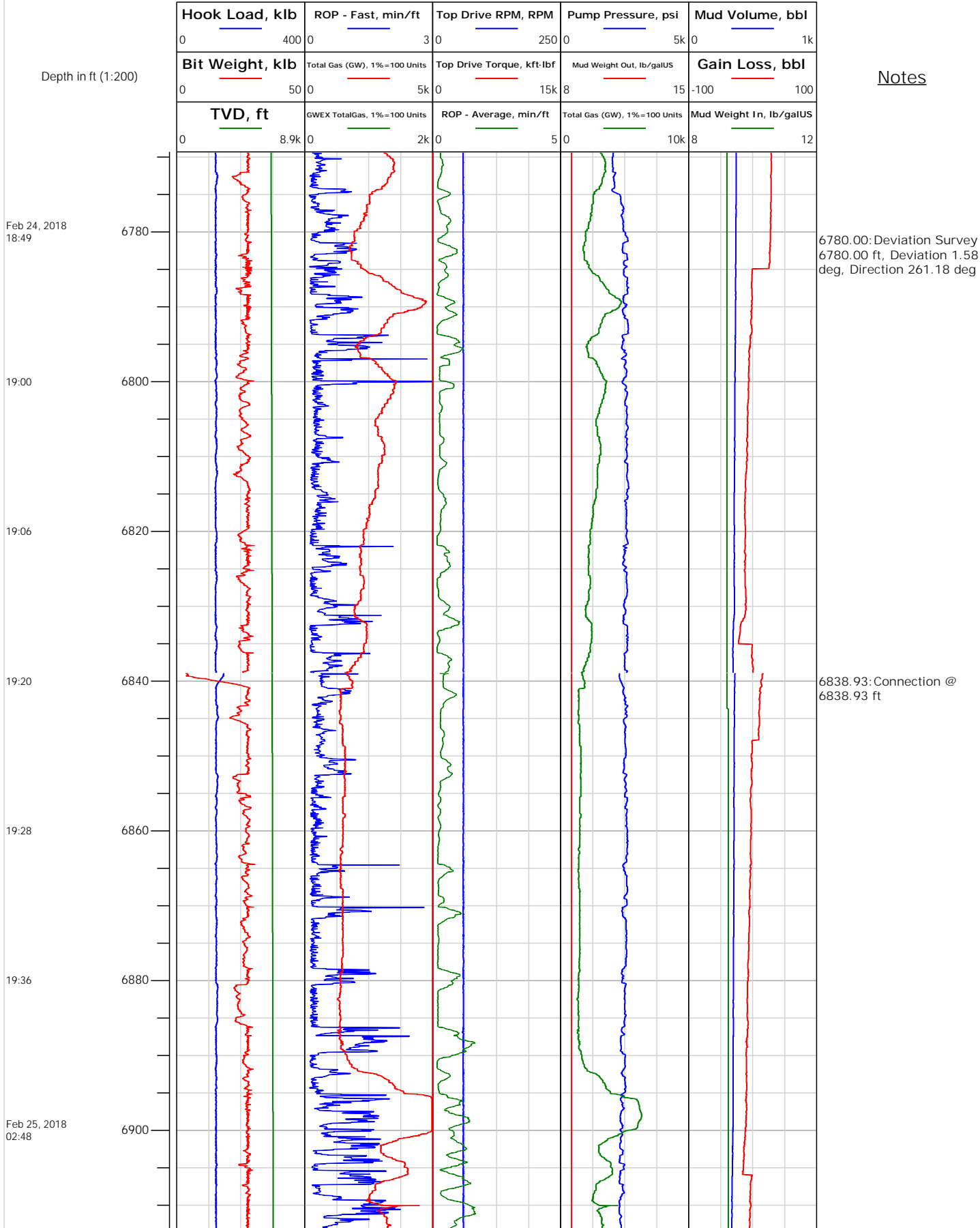
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





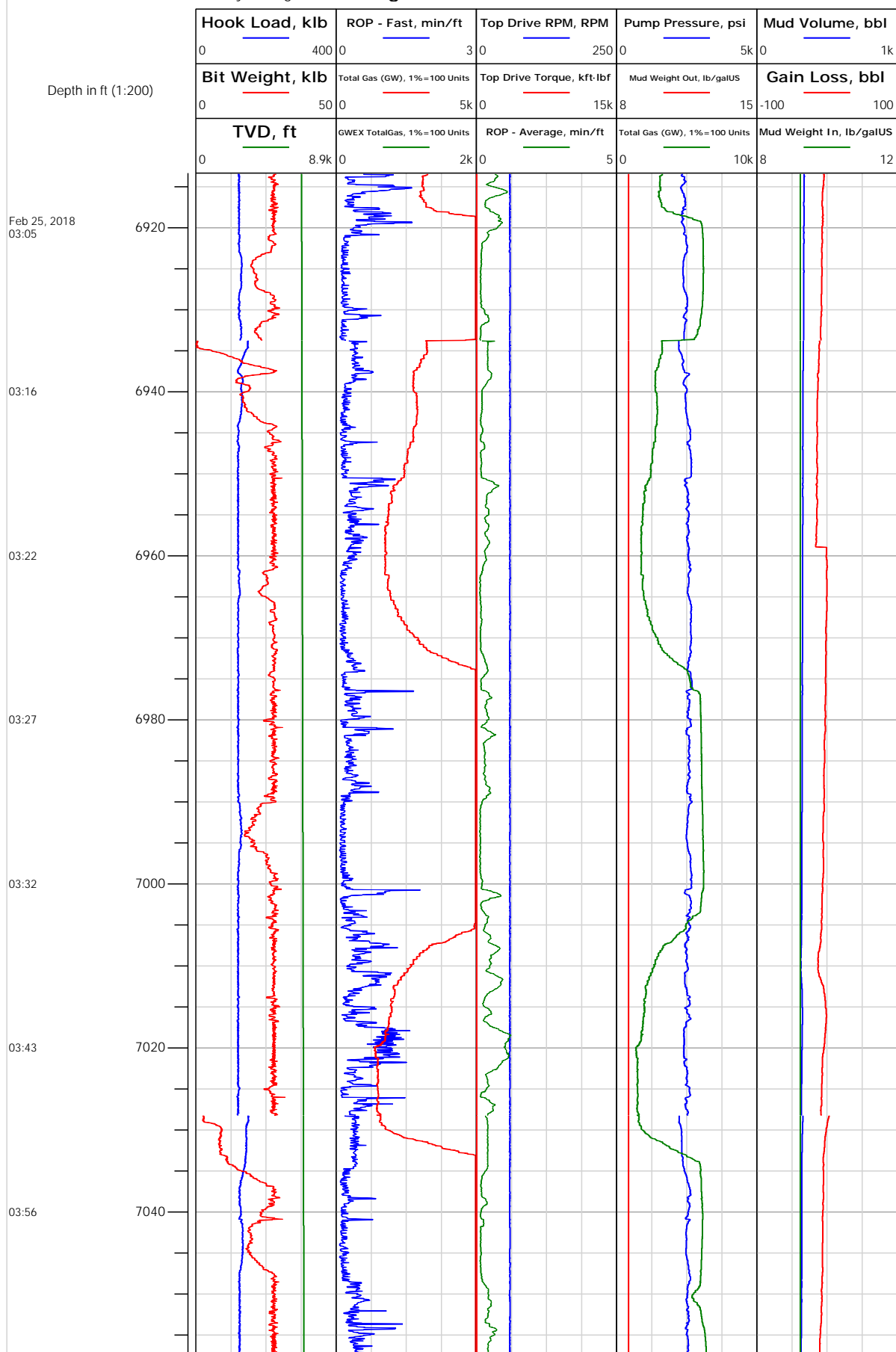
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





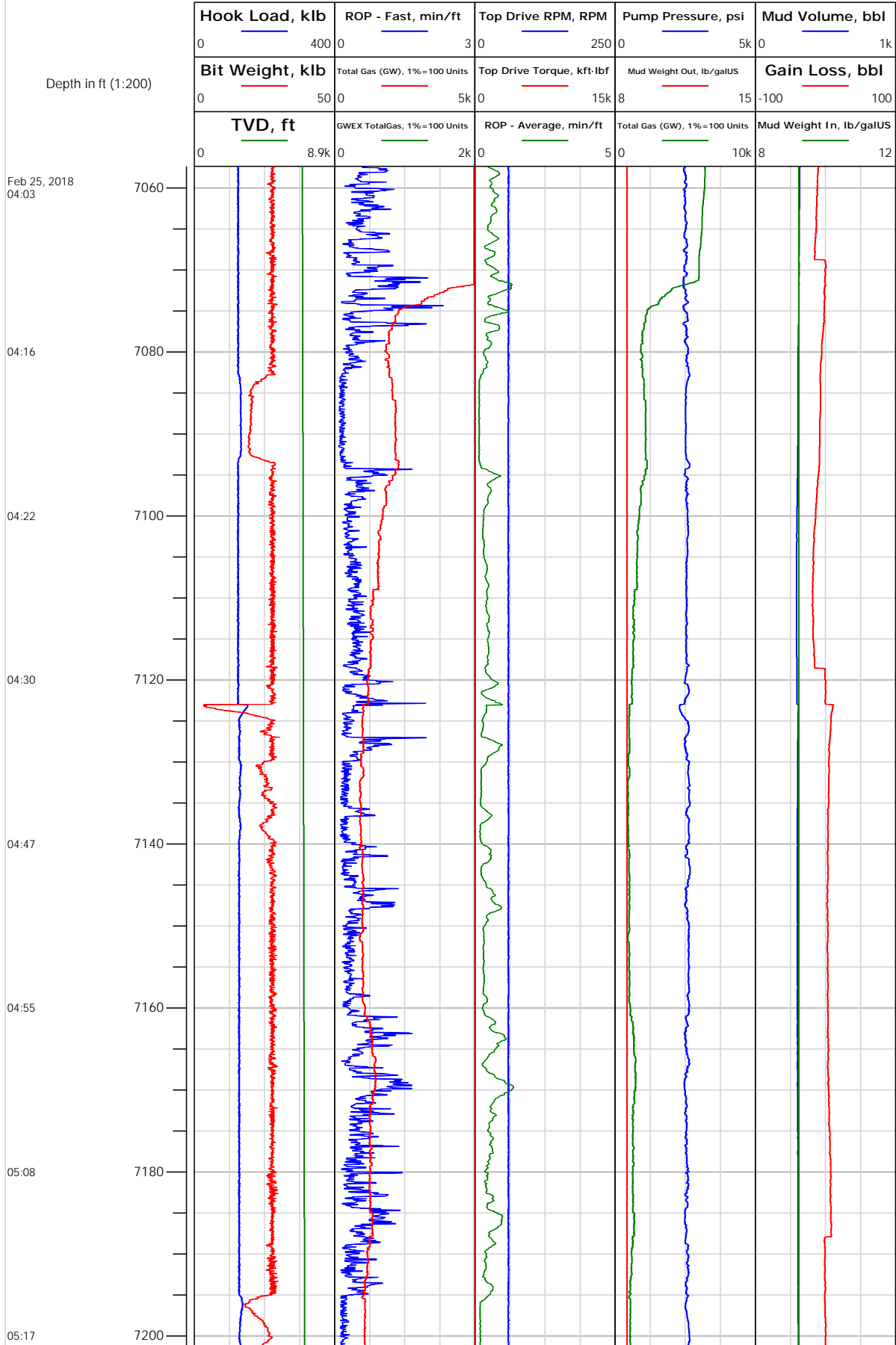
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





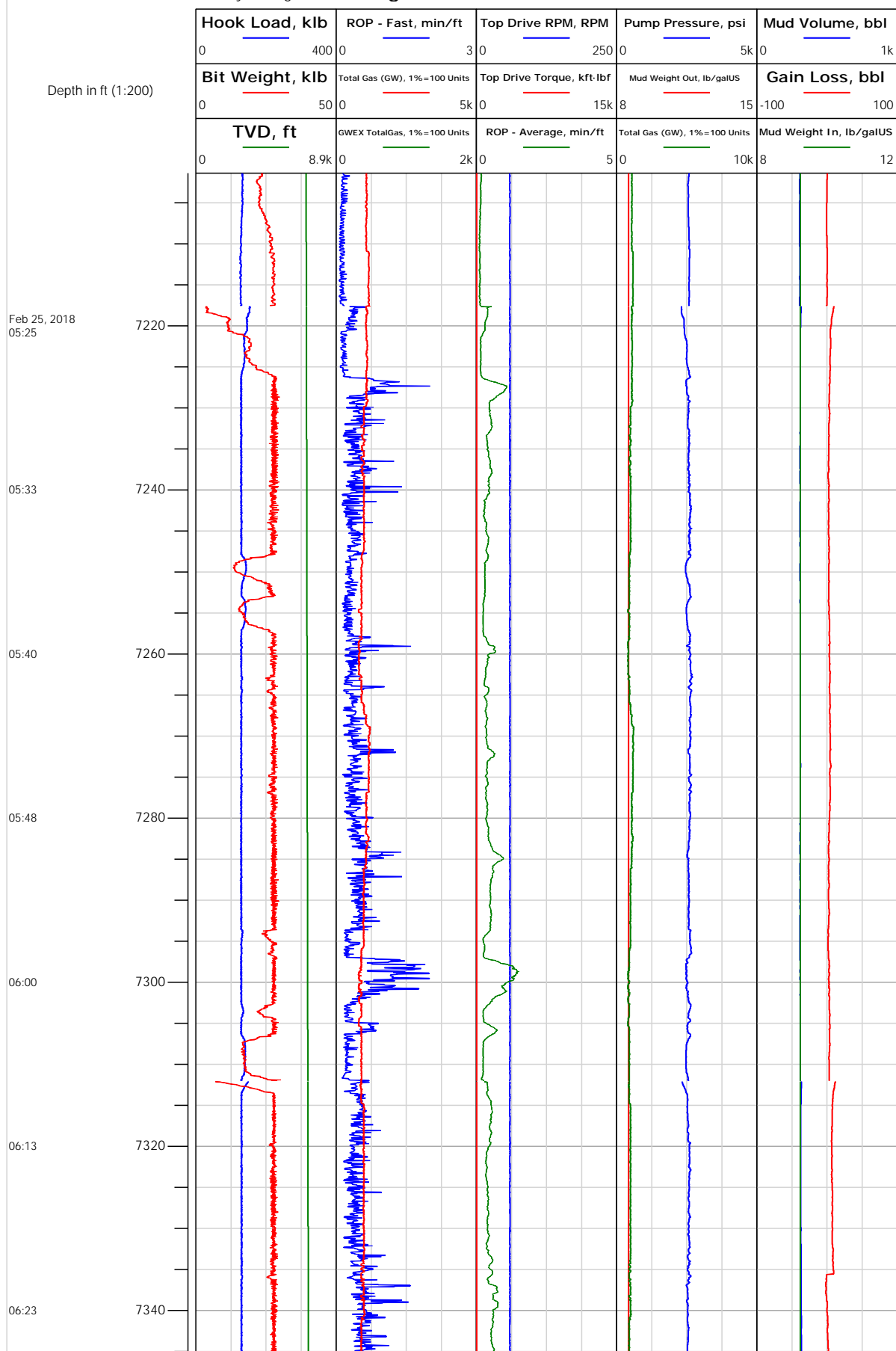
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





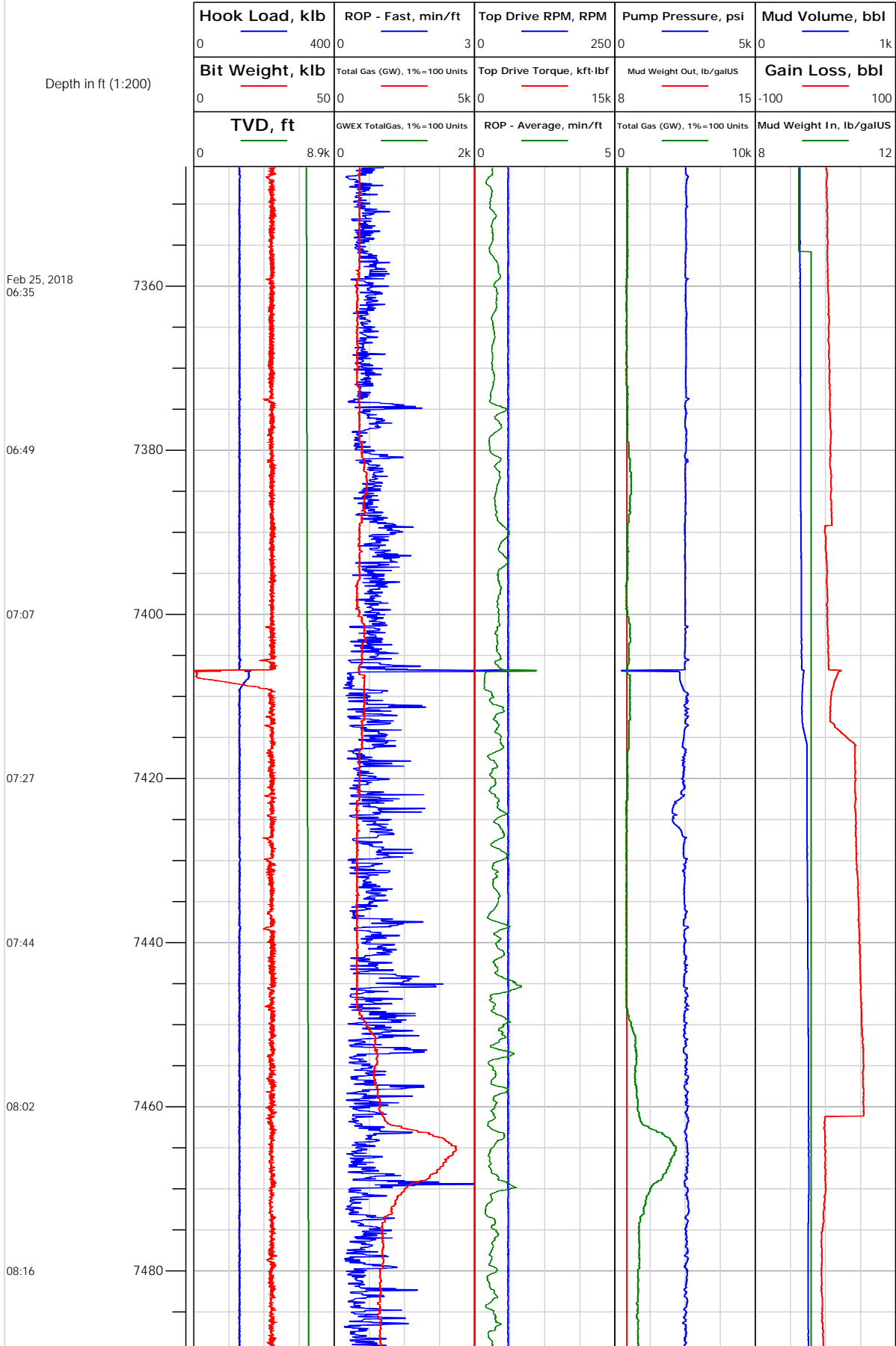
Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes





Electronic Drilling Recorder

Operator: Laramie Energy
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-10W
Rig: 290

Location:

Notes

Depth in ft (1:200)

Feb 25, 2018
08:28

08:52

09:37

