

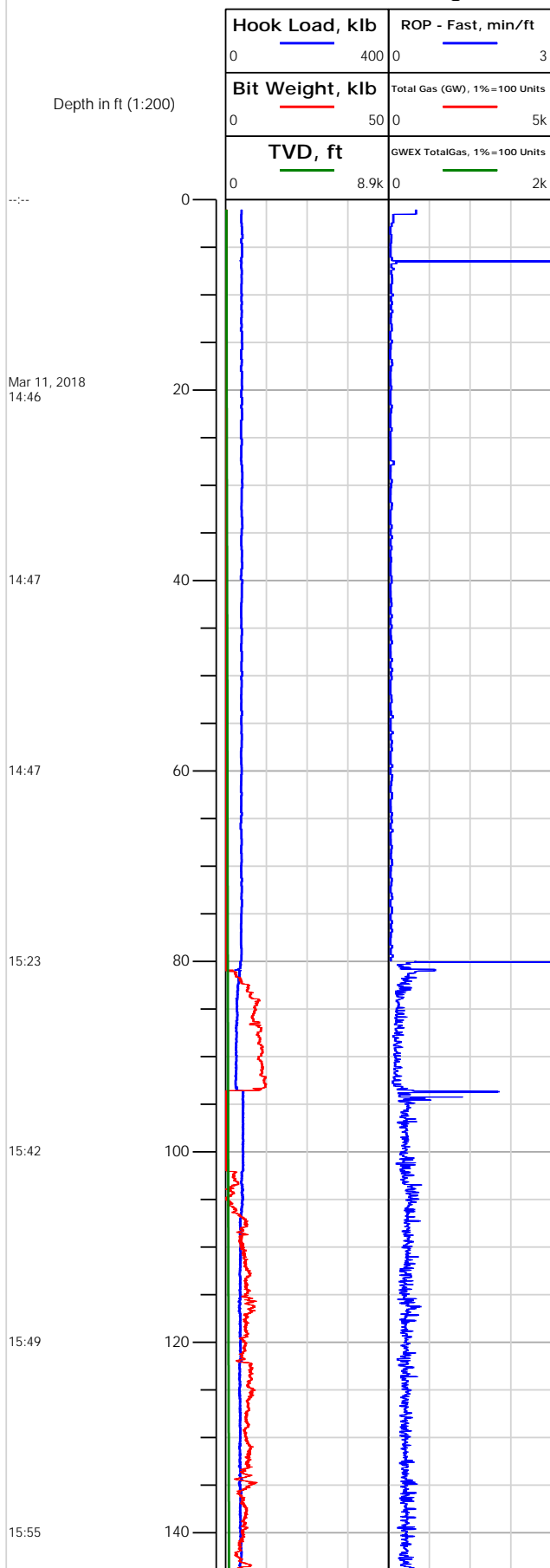


# Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-11W  
Rig: 290

Location:





# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

## Notes

Depth in ft (1:200)

Mar 11, 2018  
16:05

16:24

16:30

16:35

16:40

16:46

17:02

160

180

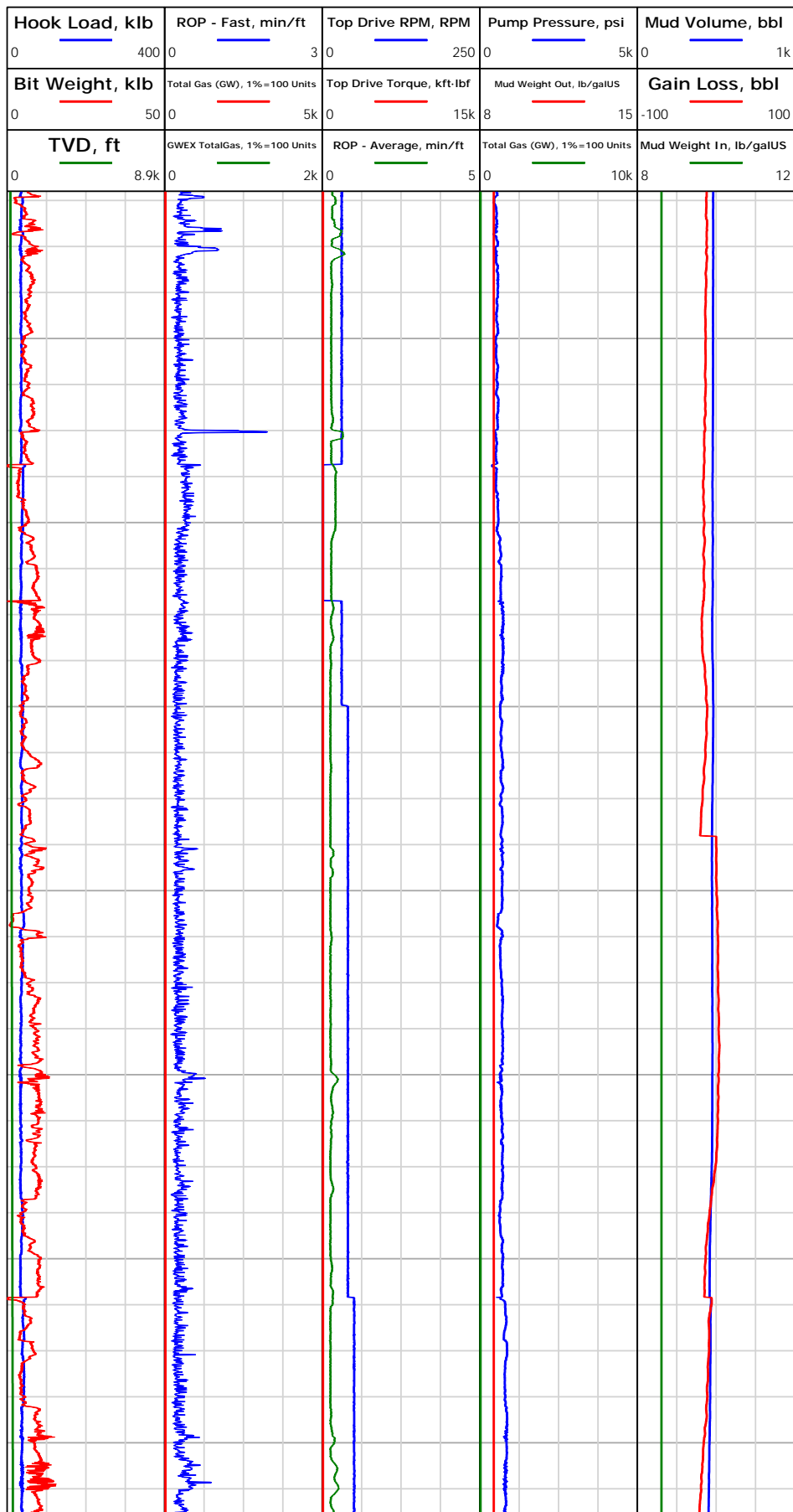
200

220

240

260

280



149.95: MD IN WT 8.6/31  
VIS OUT WT 8.7/32 VIS

156.05: Rig Floor set Hole  
Depth from 155.91 ft to  
147.00 ft

173.68: Connection @  
173.68 ft

200.00: Deviation Survey  
200.00 ft, Deviation 1.6  
deg, Direction 331.2 deg

264.34: Connection @  
264.34 ft





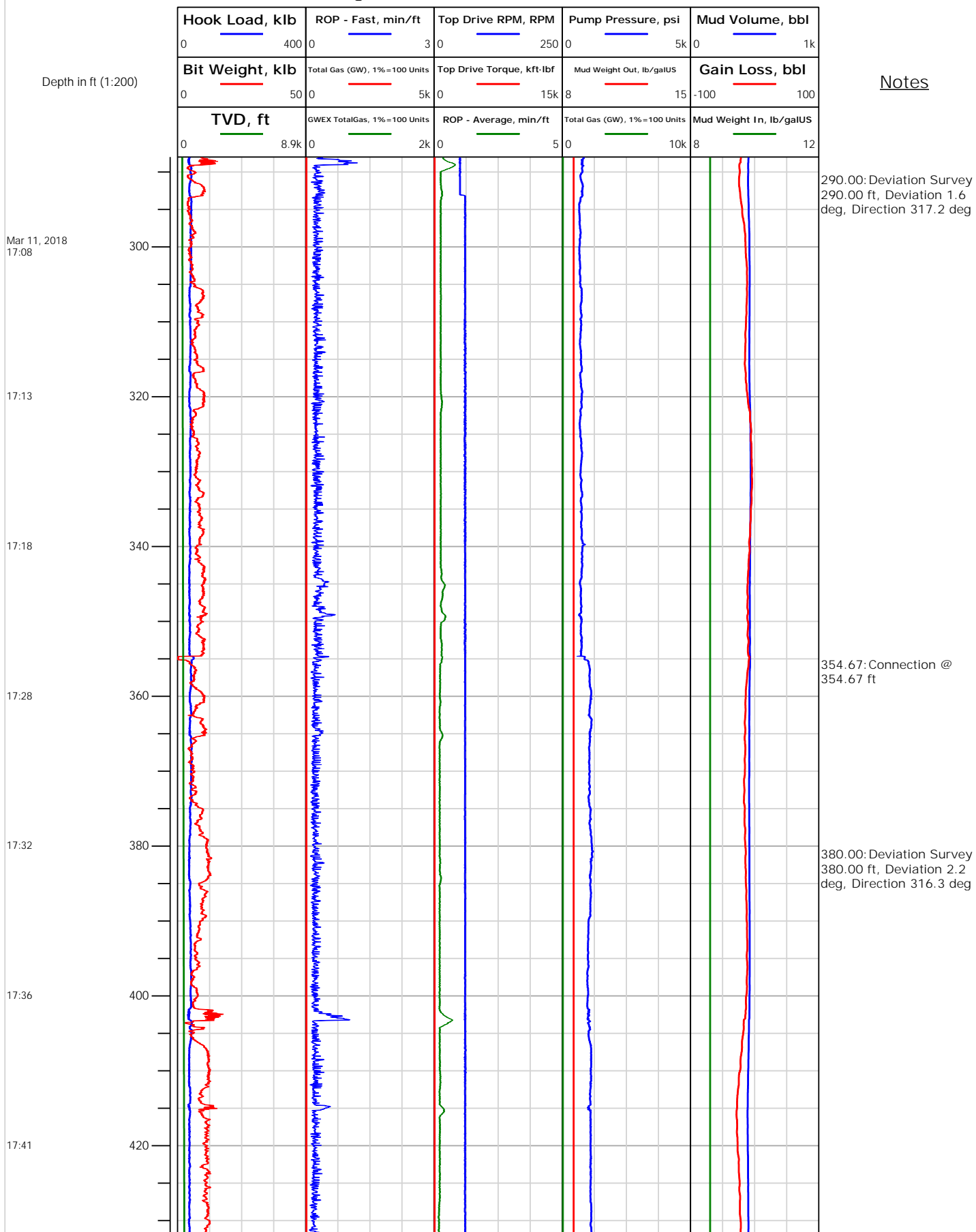
# Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-11W  
Rig: 290

Location:

## Notes





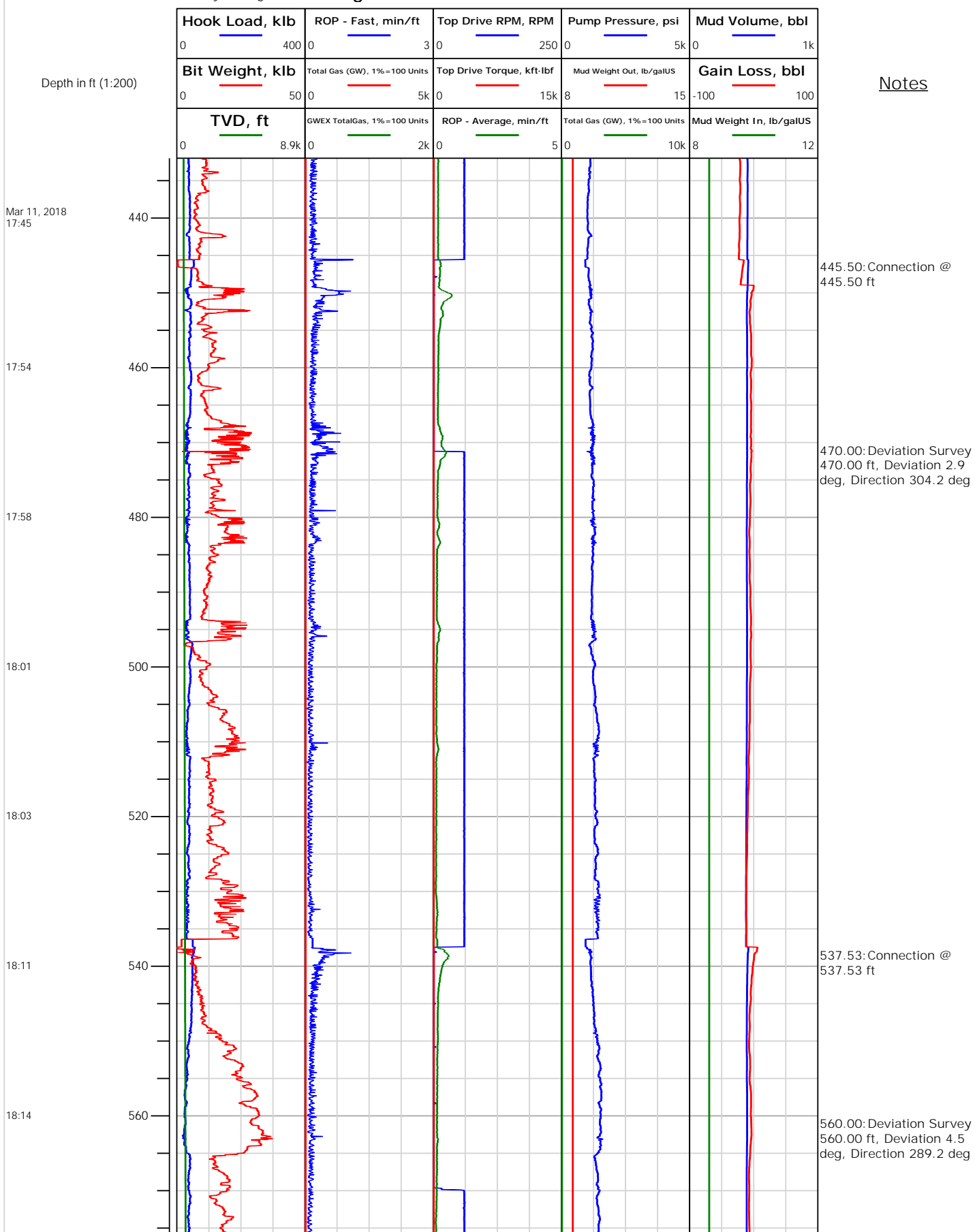
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

## Notes





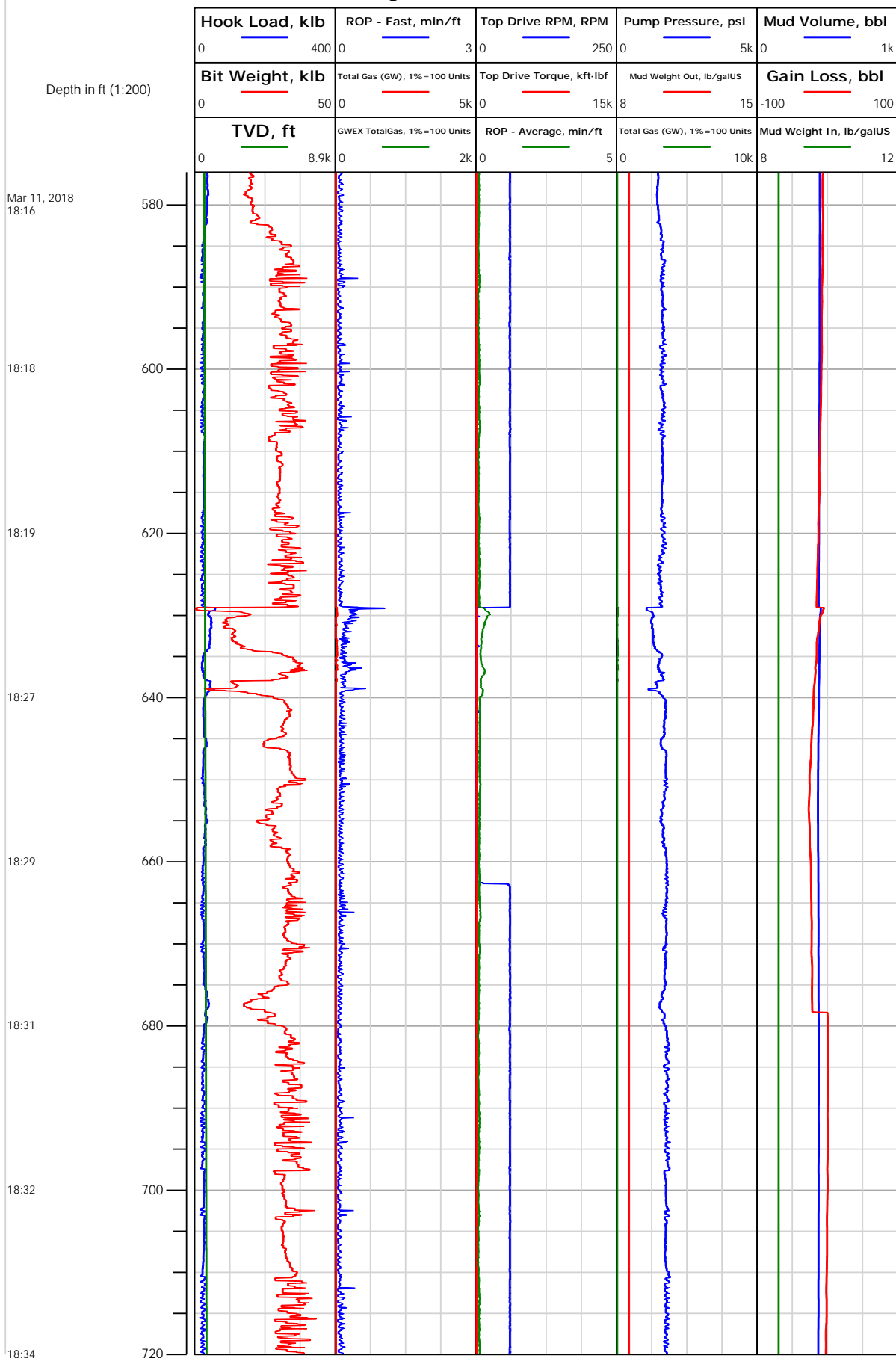
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





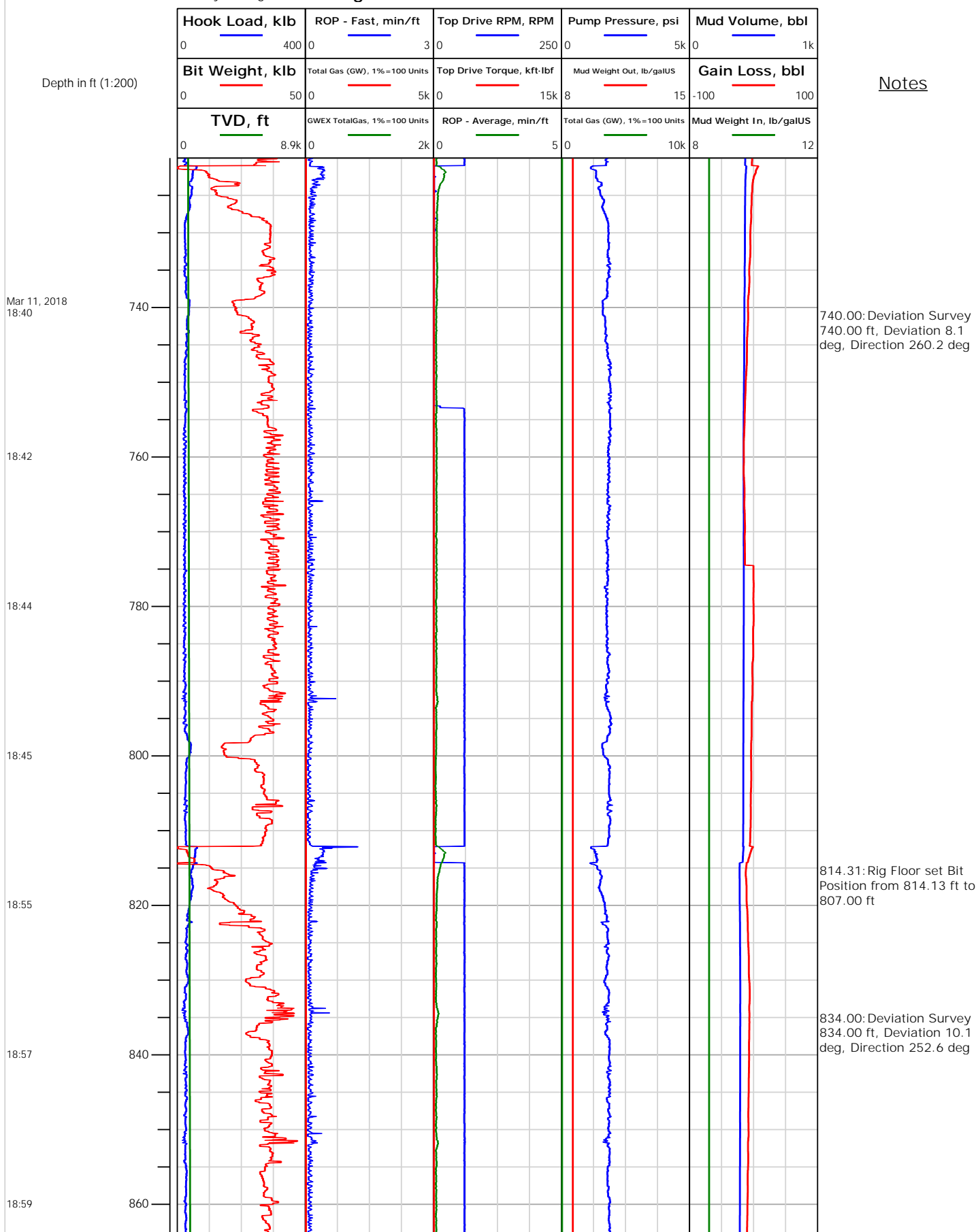
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

## Notes





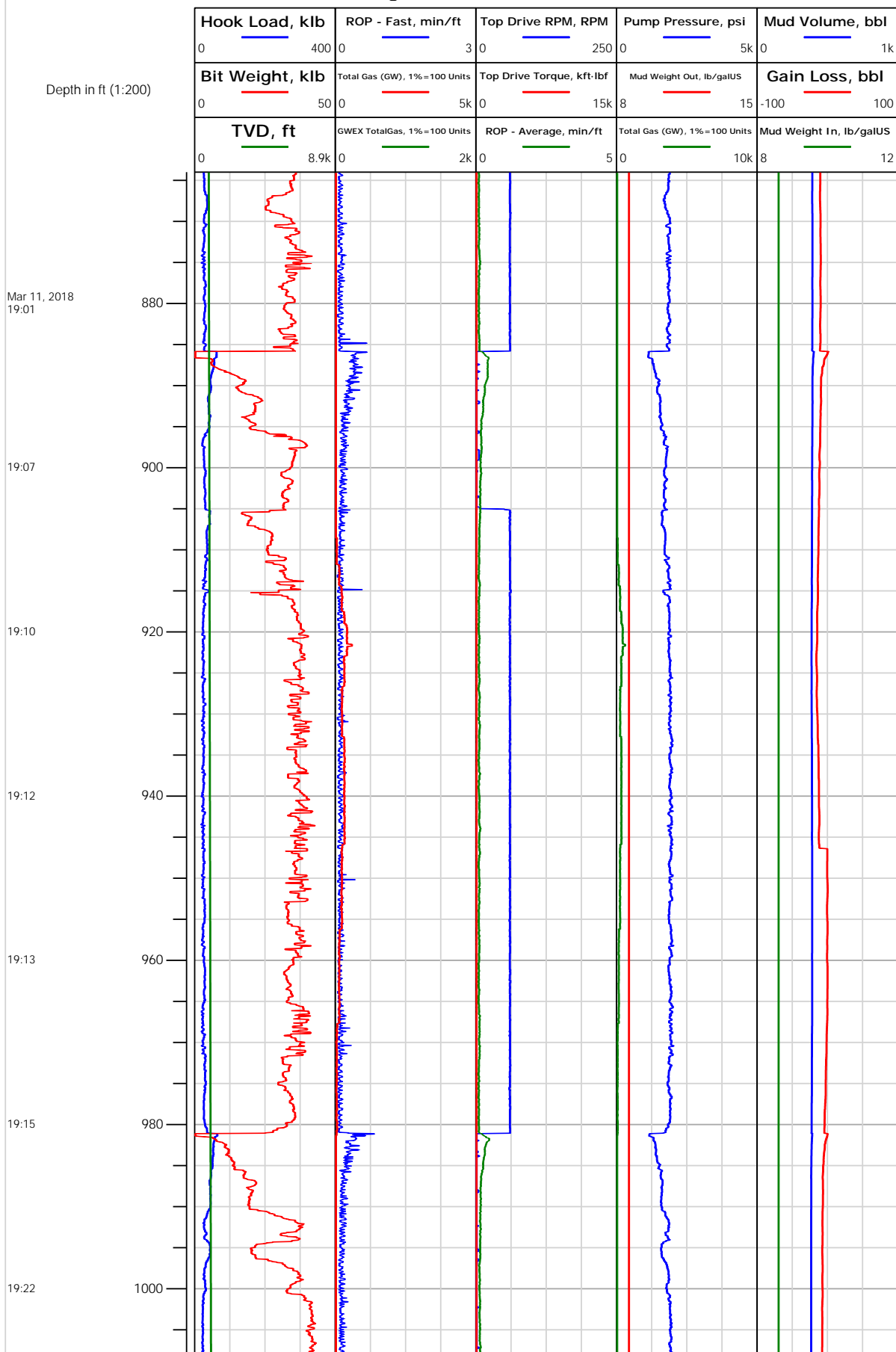
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





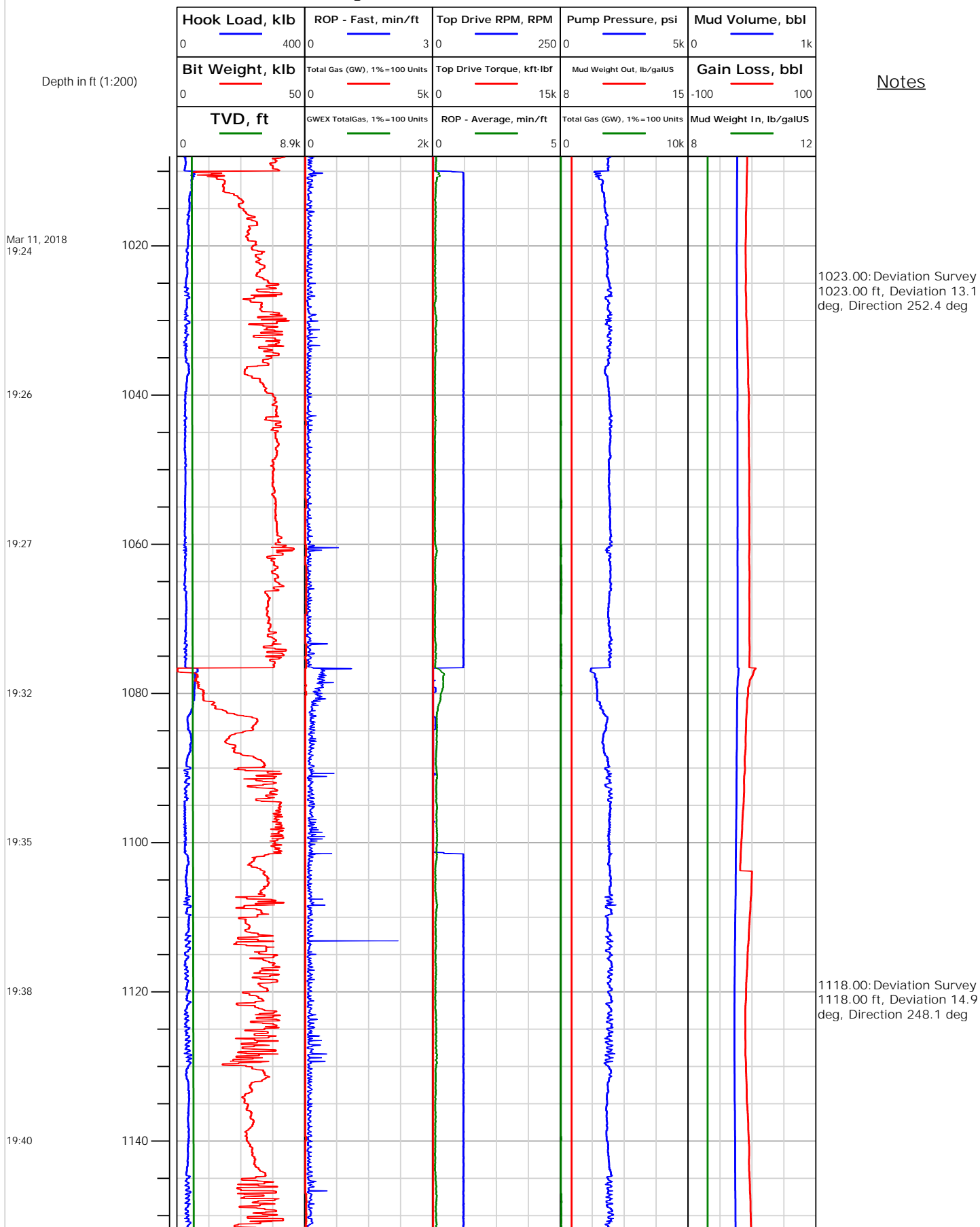
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





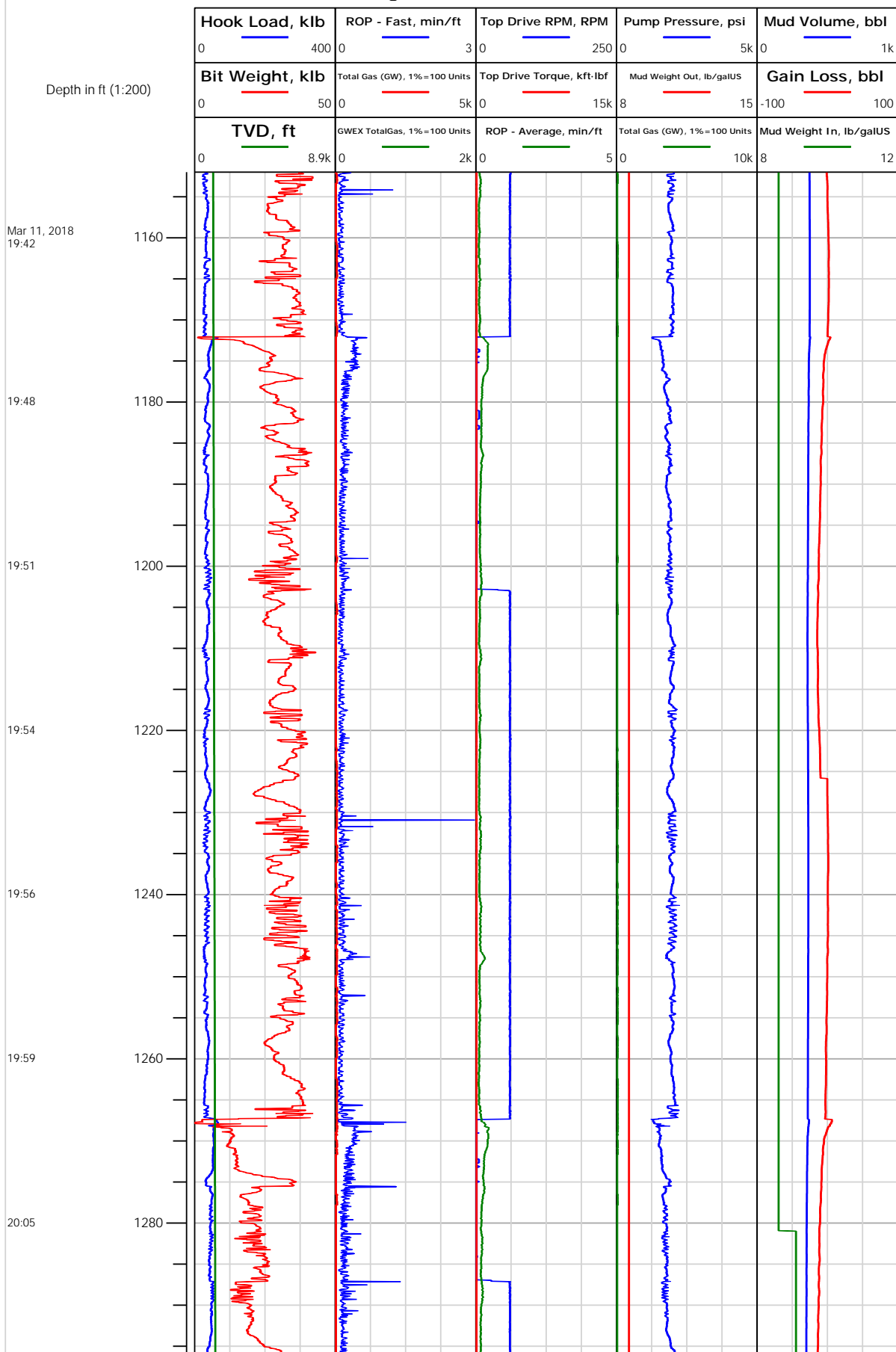
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





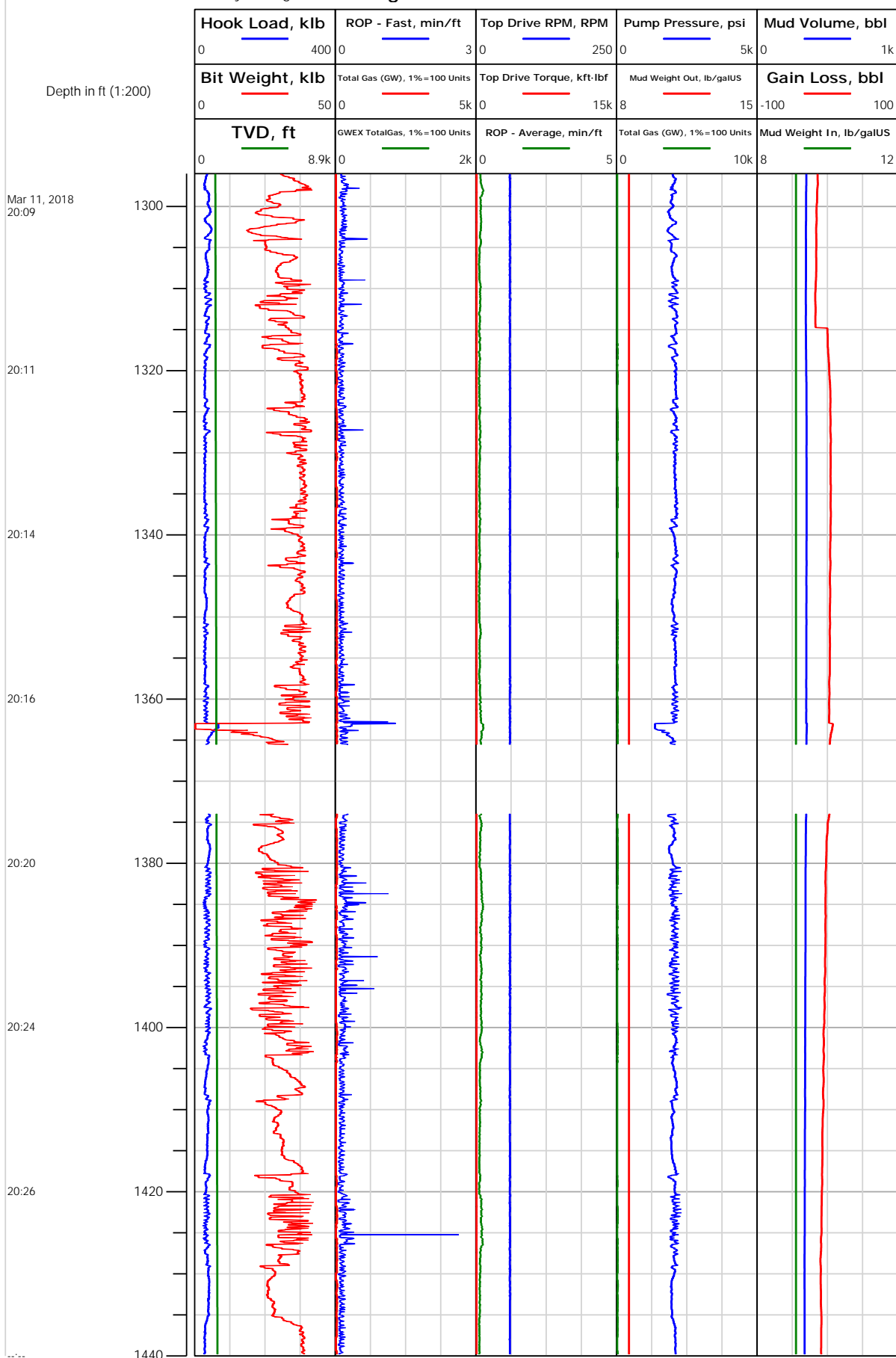
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

## Notes







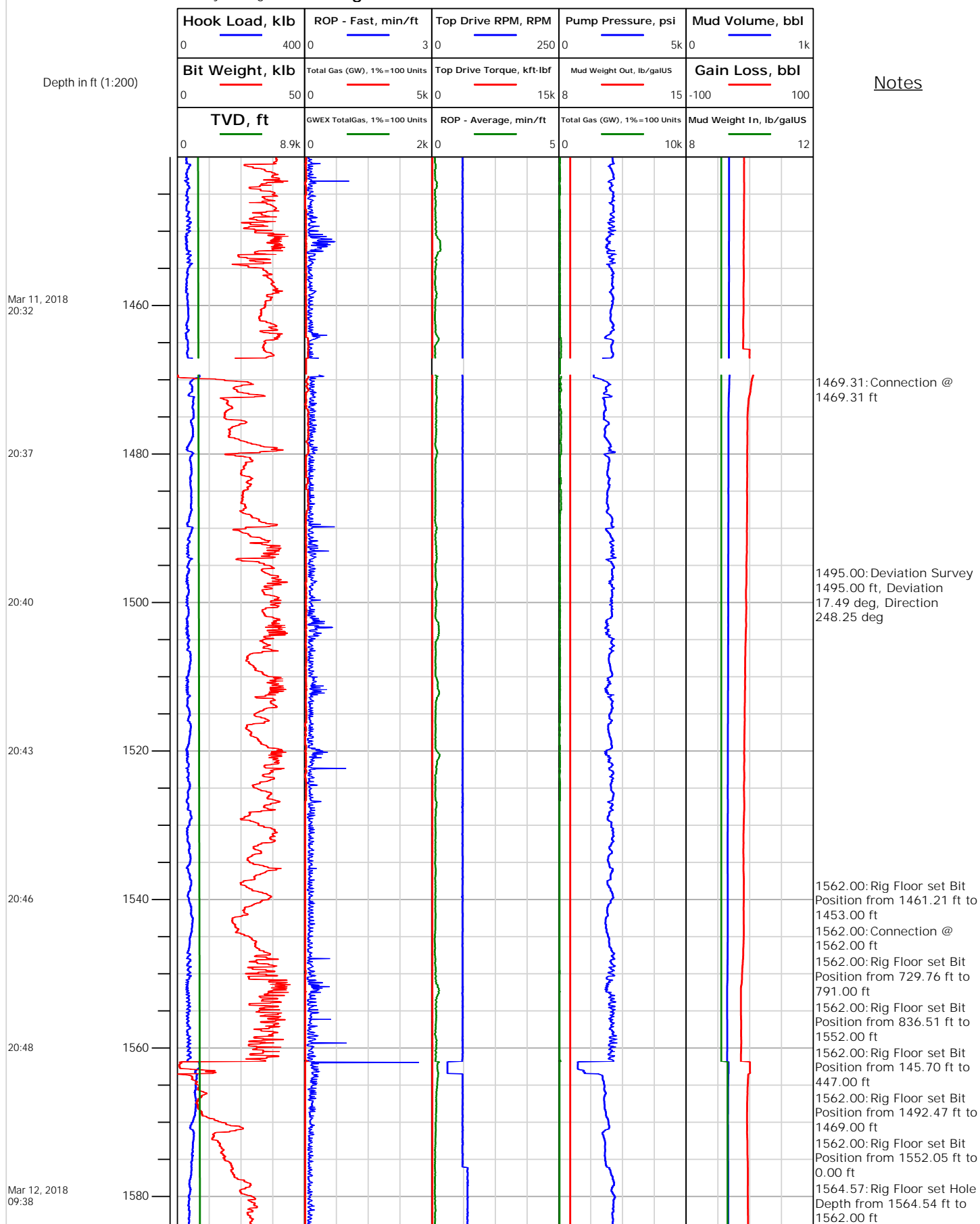
Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

# Electronic Drilling Recorder

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





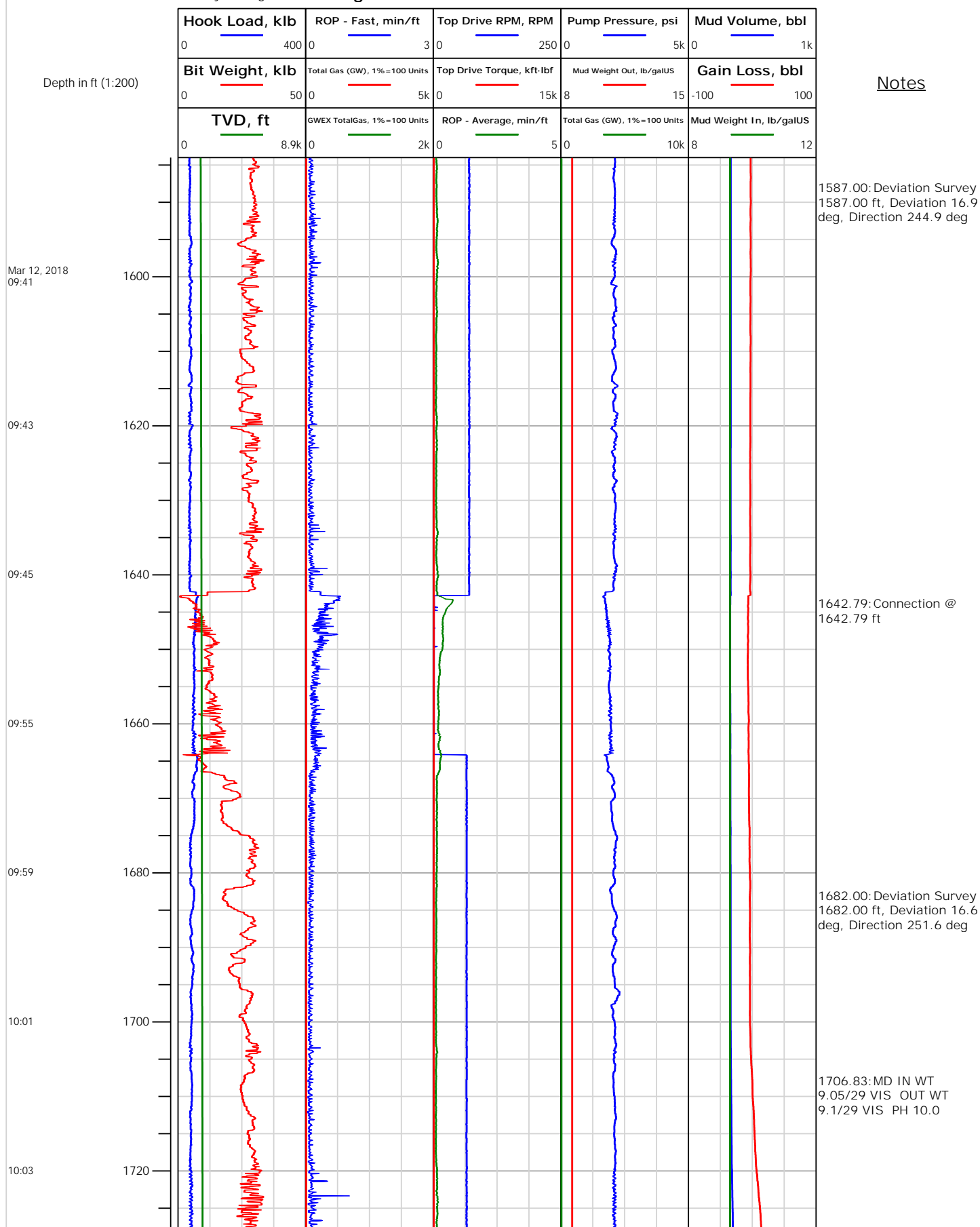
Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

# Electronic Drilling Recorder

Well Name: Nichols 24-11W  
Rig: 290

Location:

## Notes





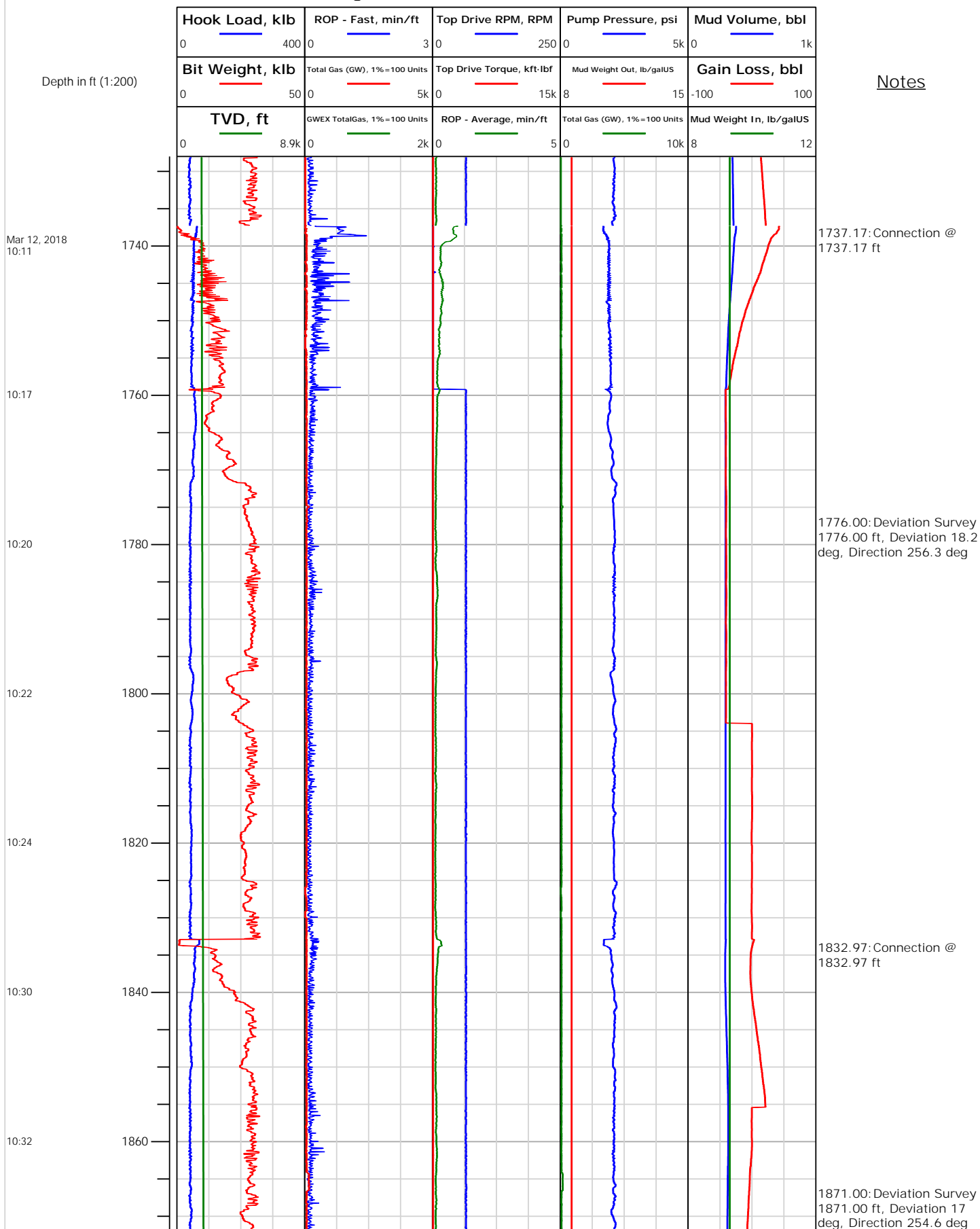
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





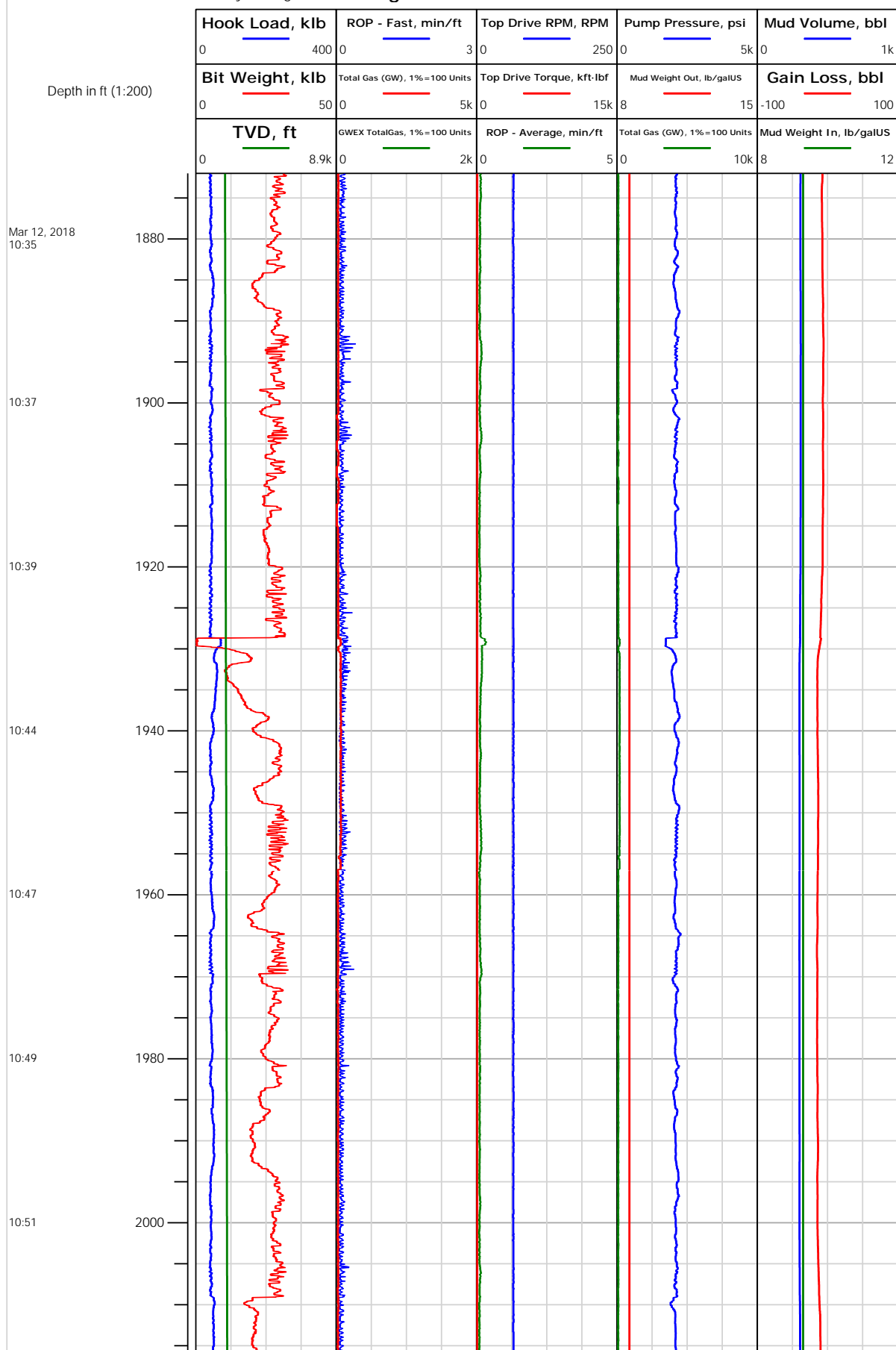
Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

# Electronic Drilling Recorder

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes



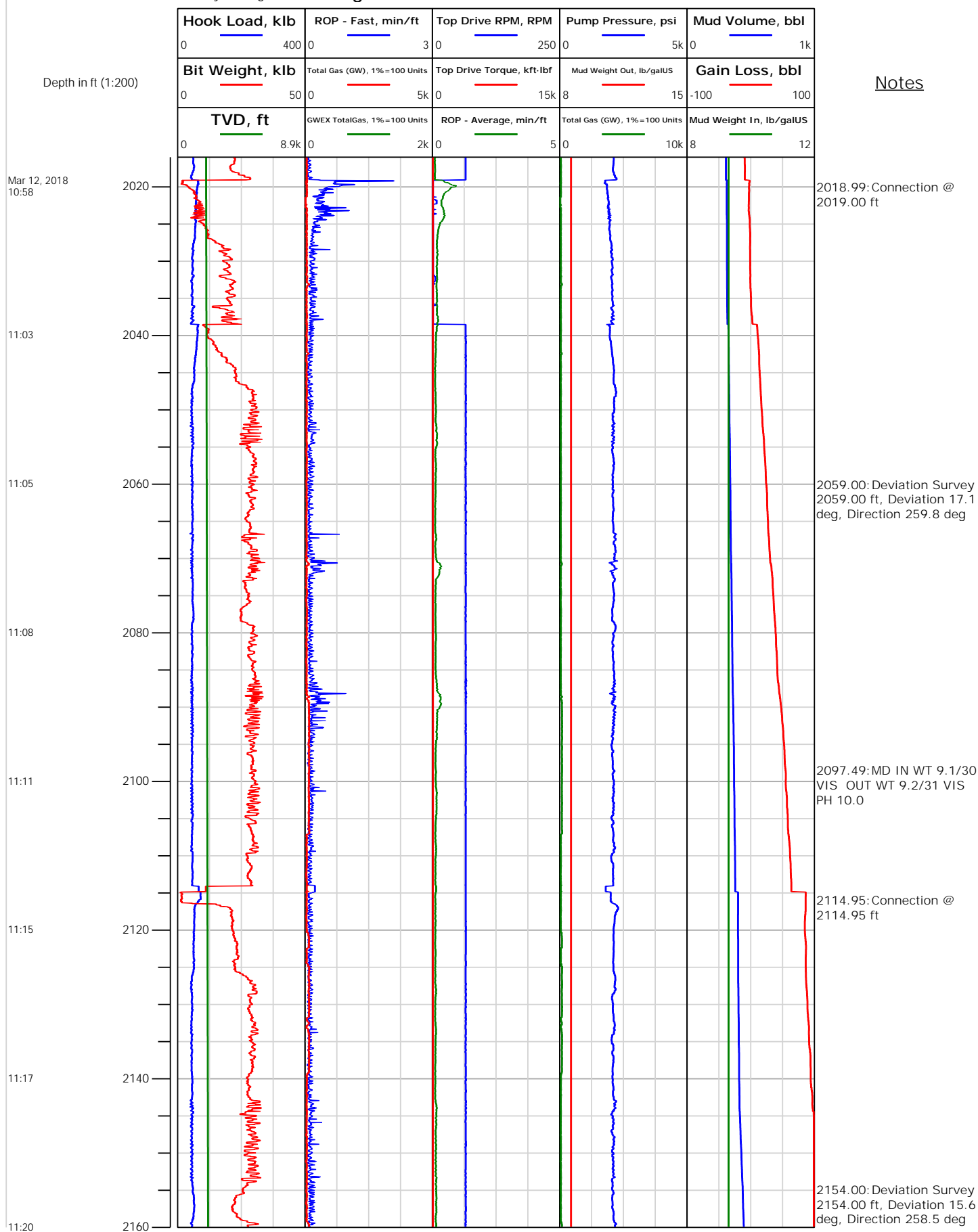


## Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-11W  
Rig: 290

Location:





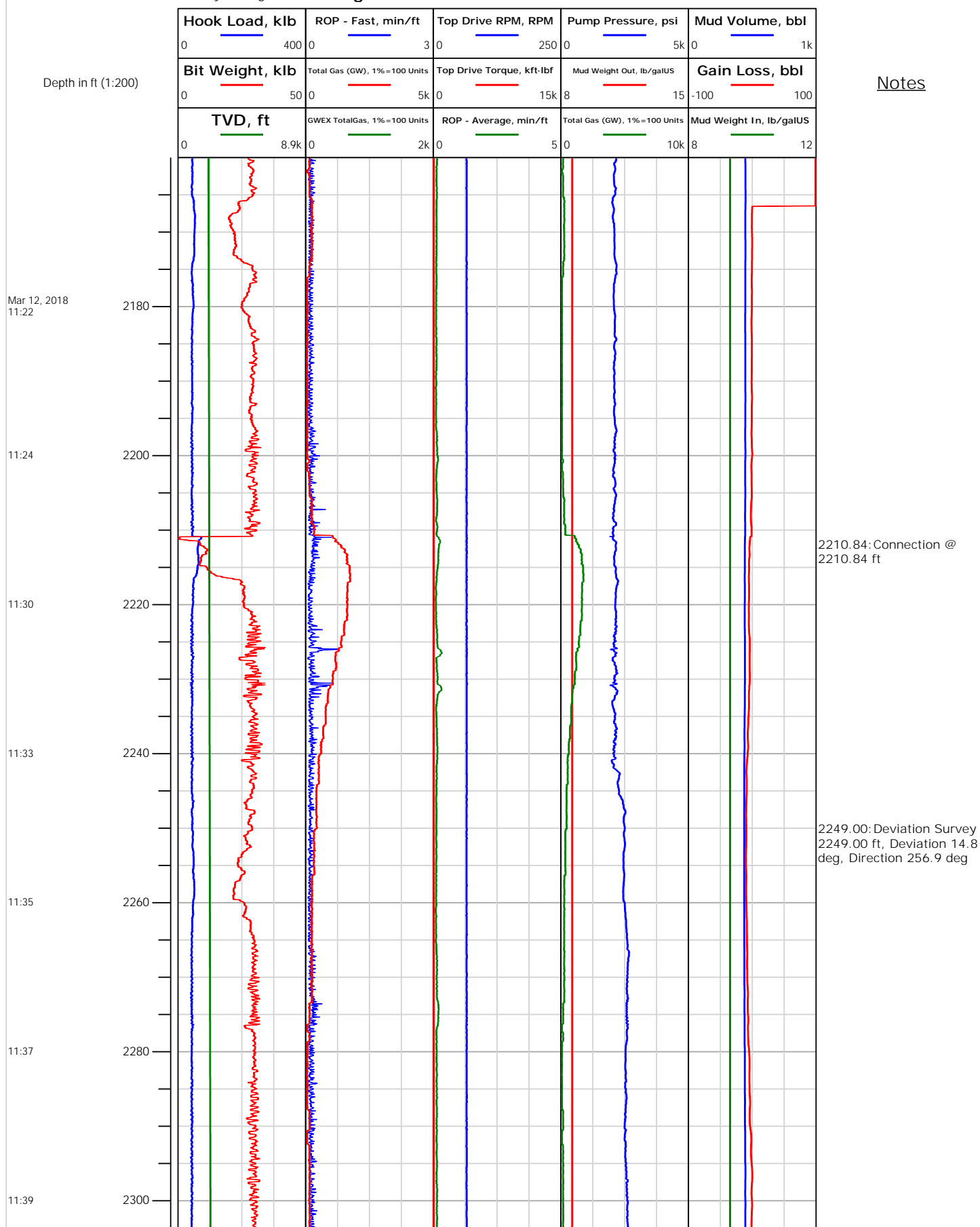
Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

# Electronic Drilling Recorder

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





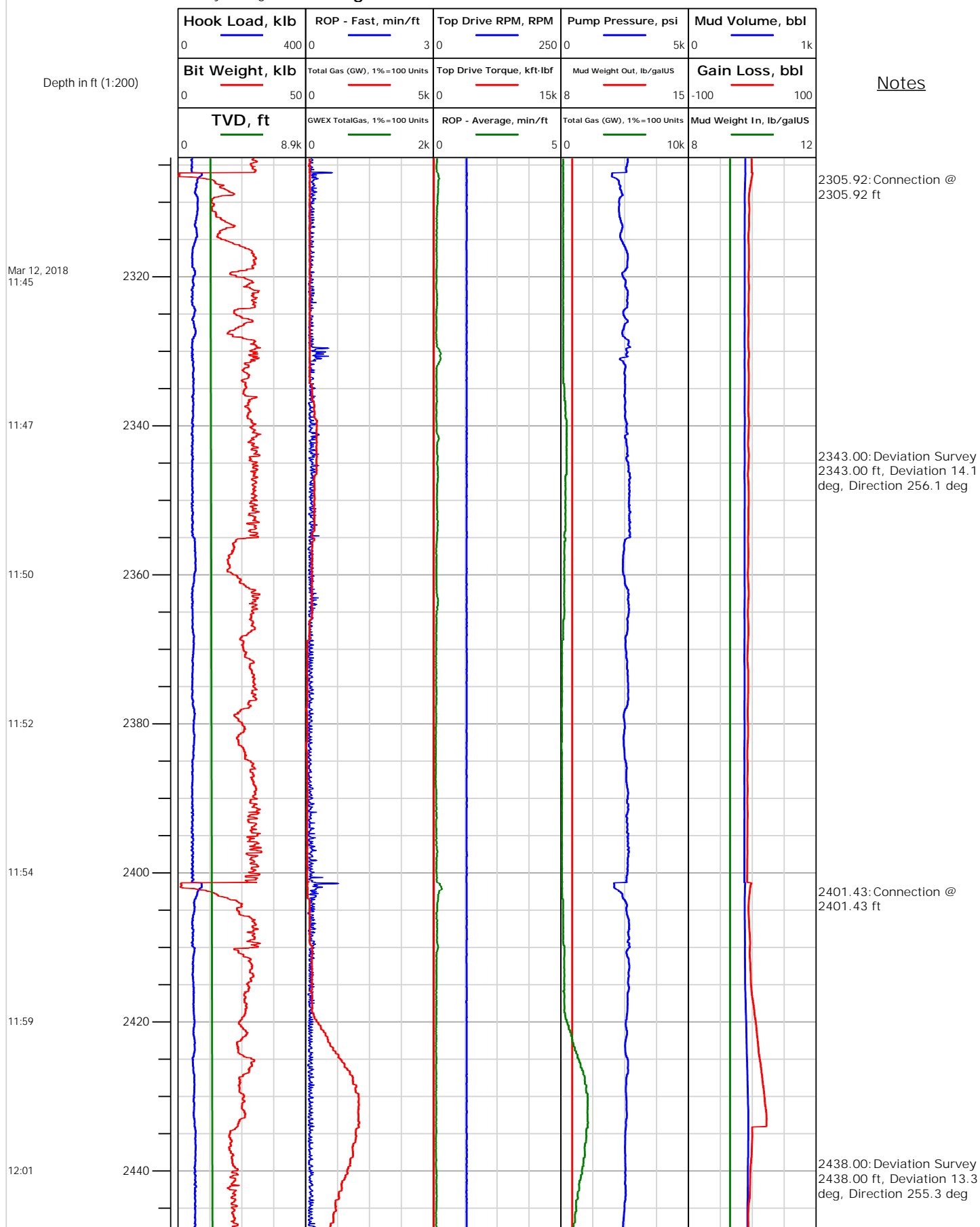
# Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-11W  
Rig: 290

Location:

## Notes





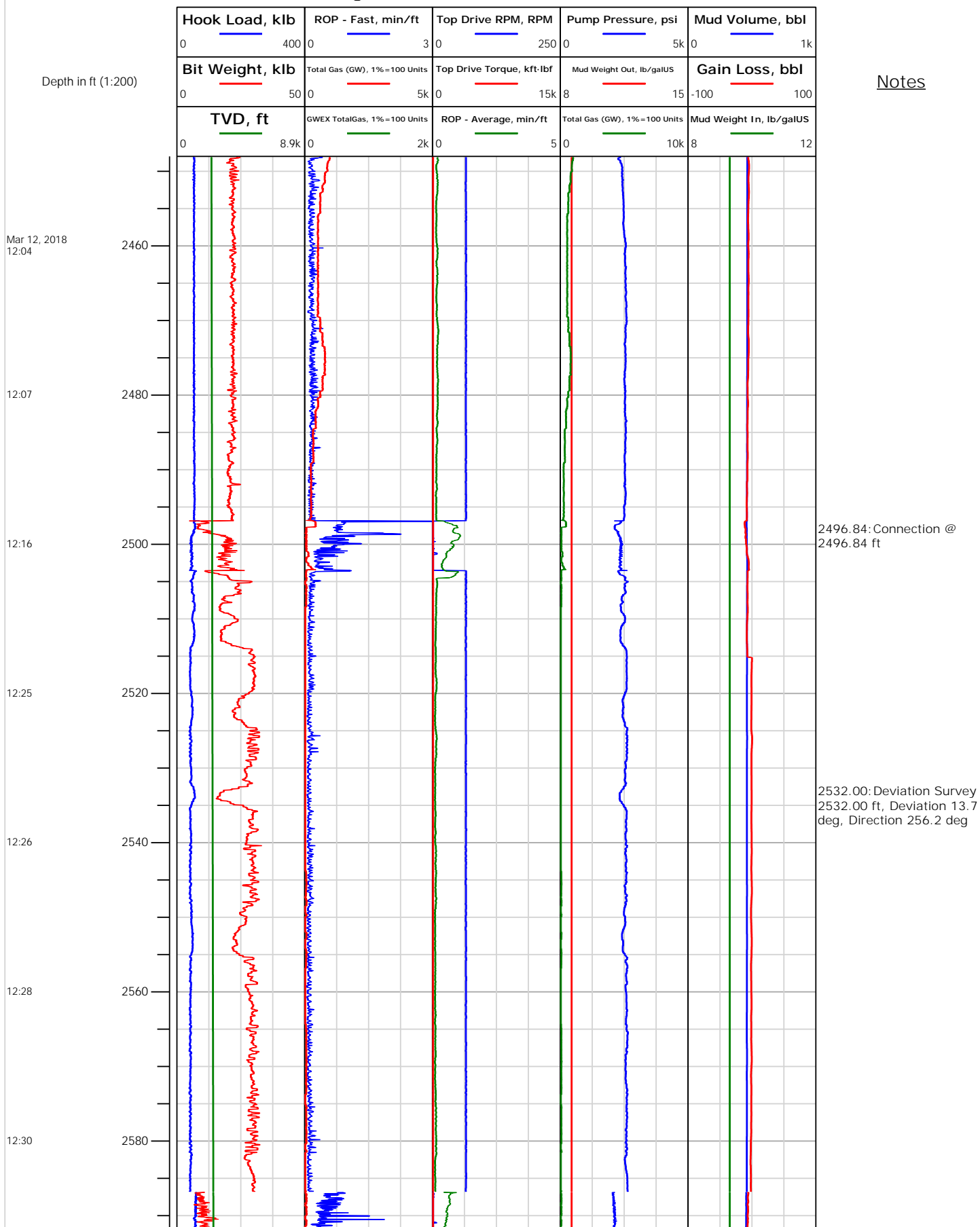
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes







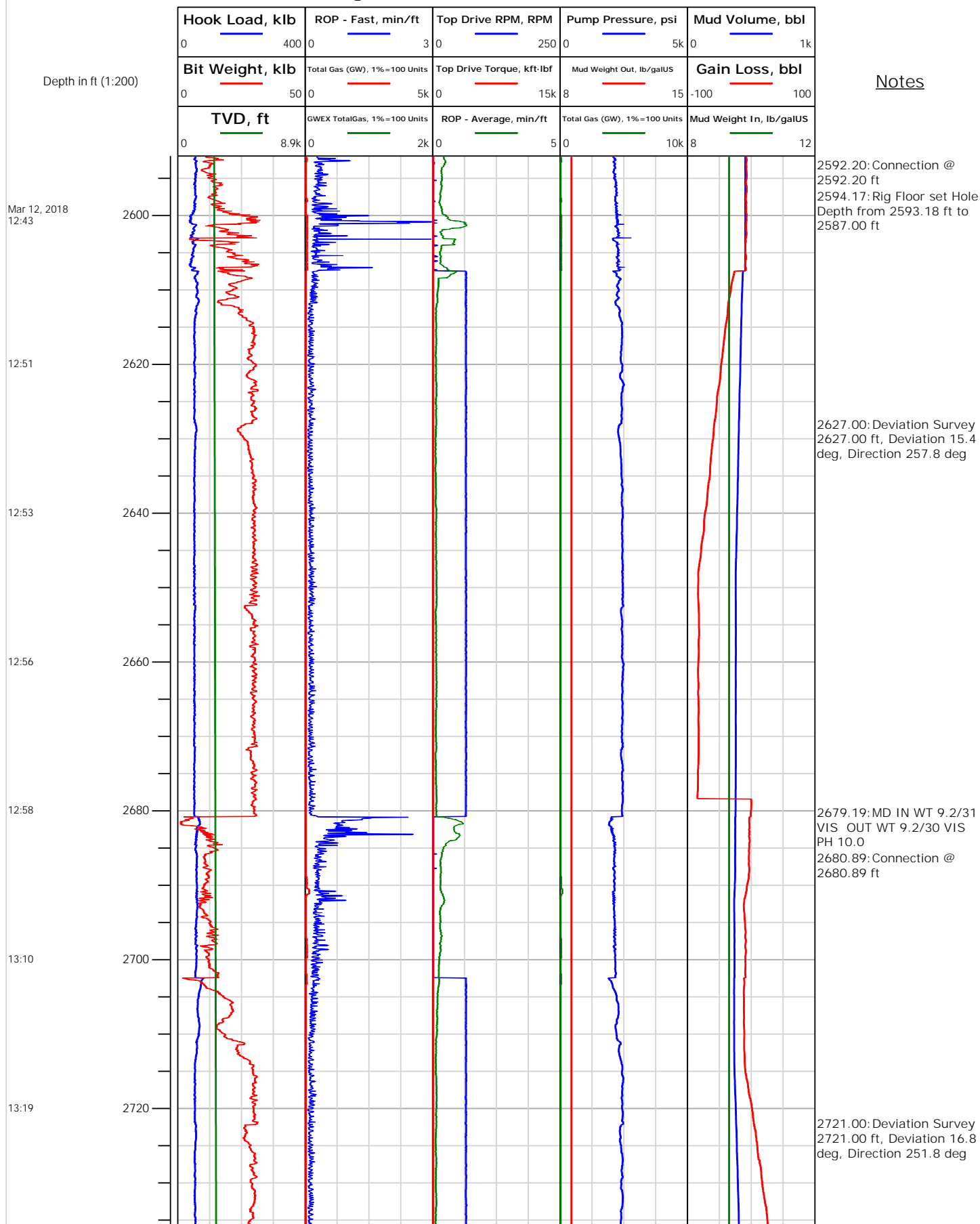
Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

# Electronic Drilling Recorder

Well Name: Nichols 24-11W  
Rig: 290

Location:

## Notes





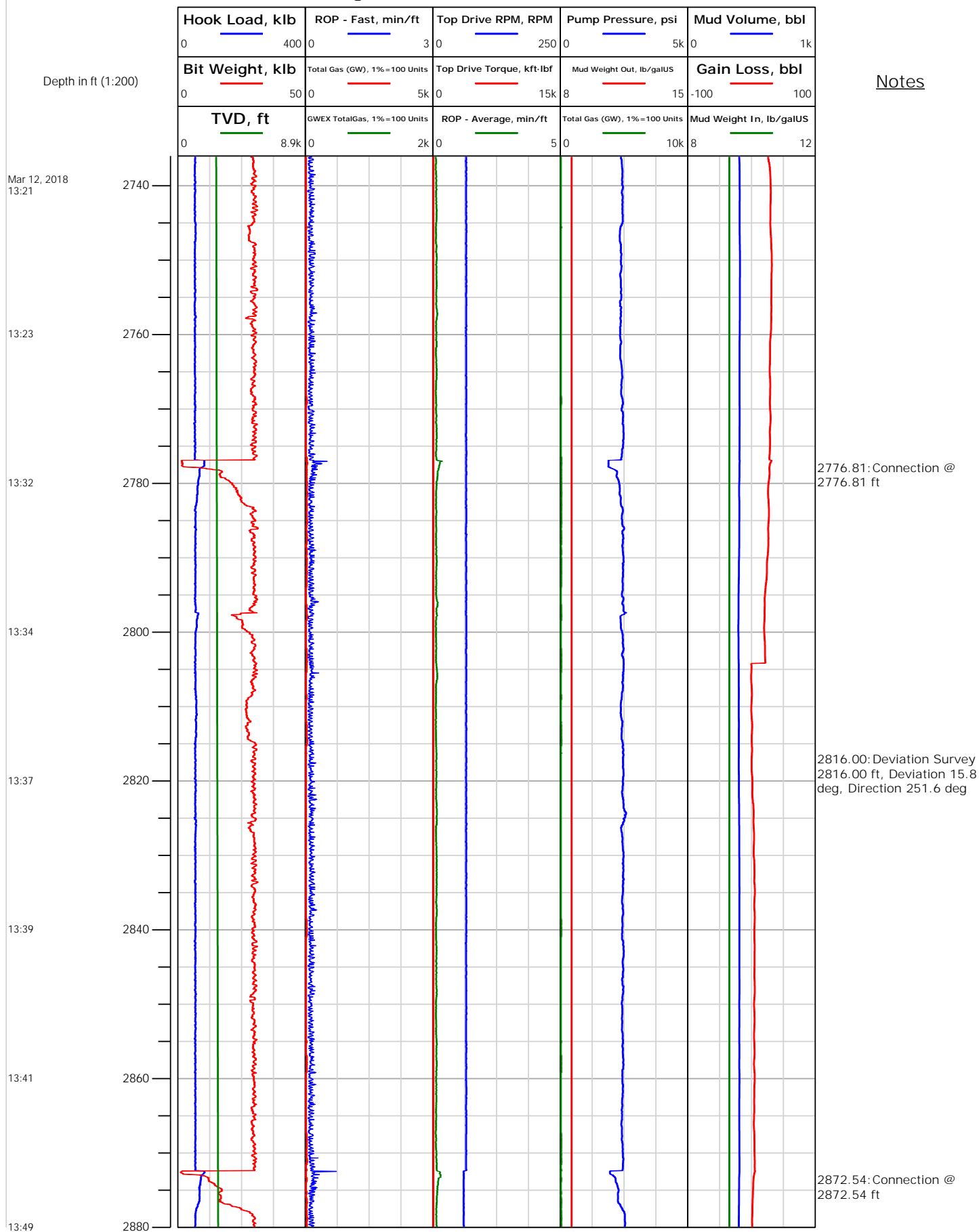
## Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





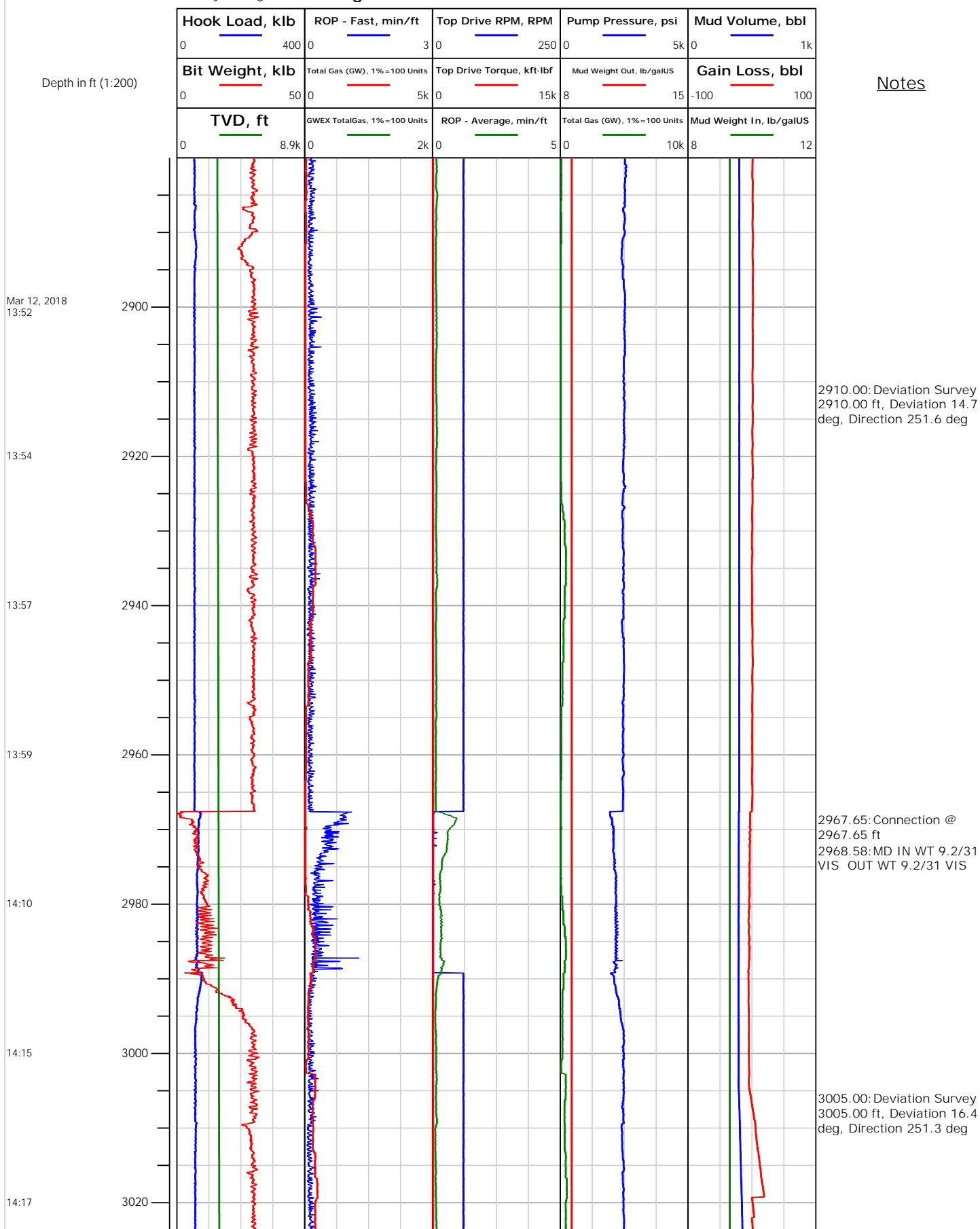
## Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





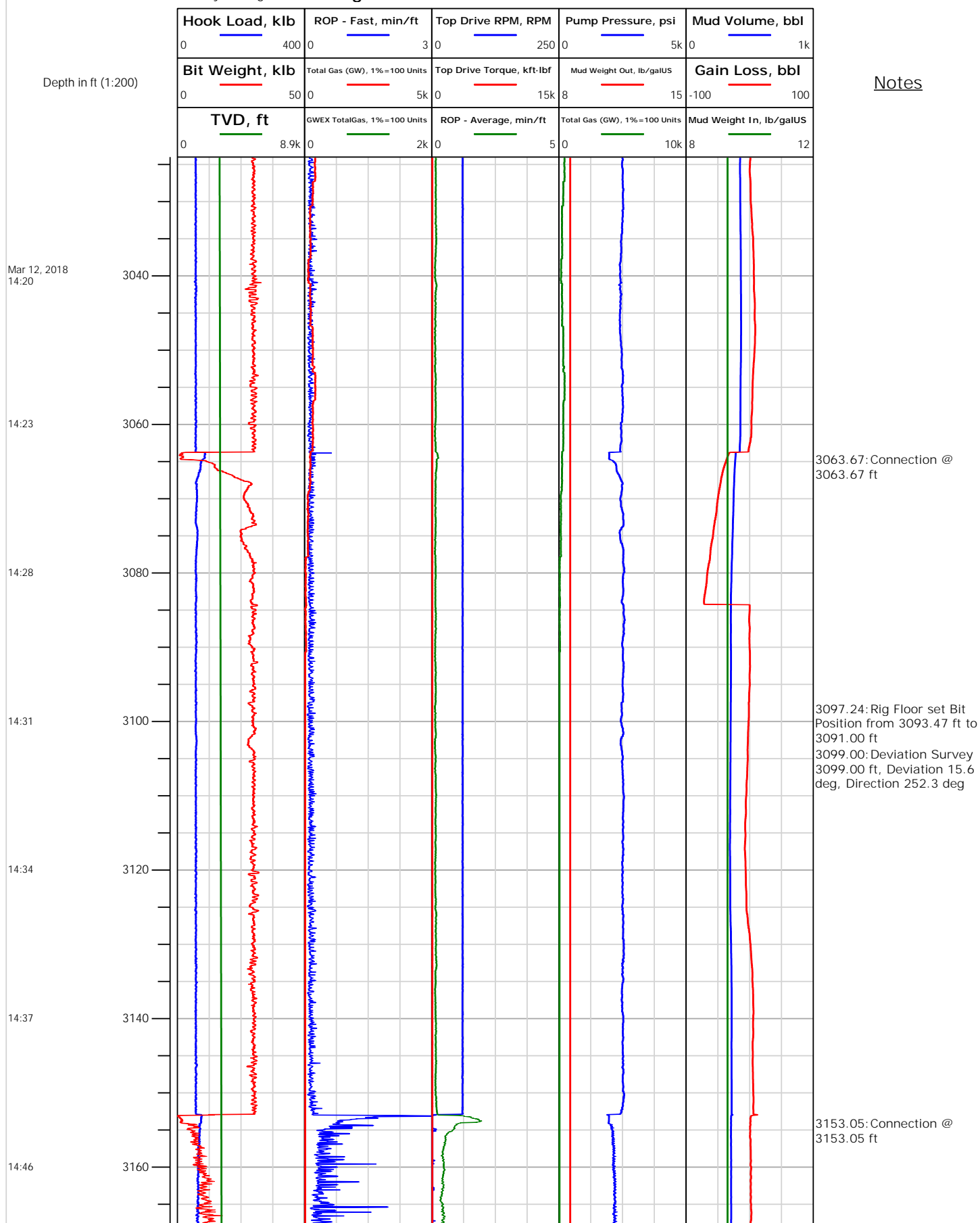
Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

# Electronic Drilling Recorder

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





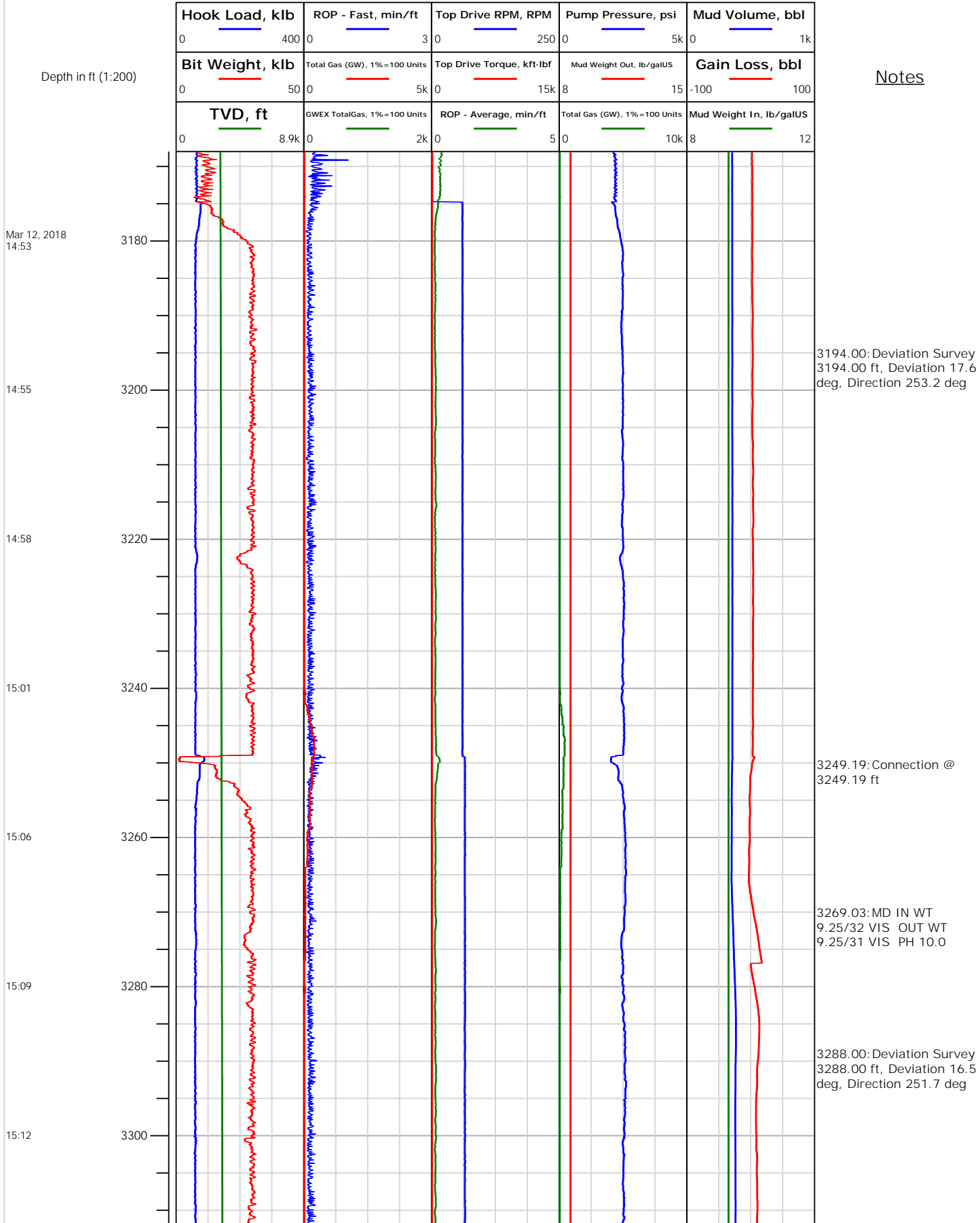
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





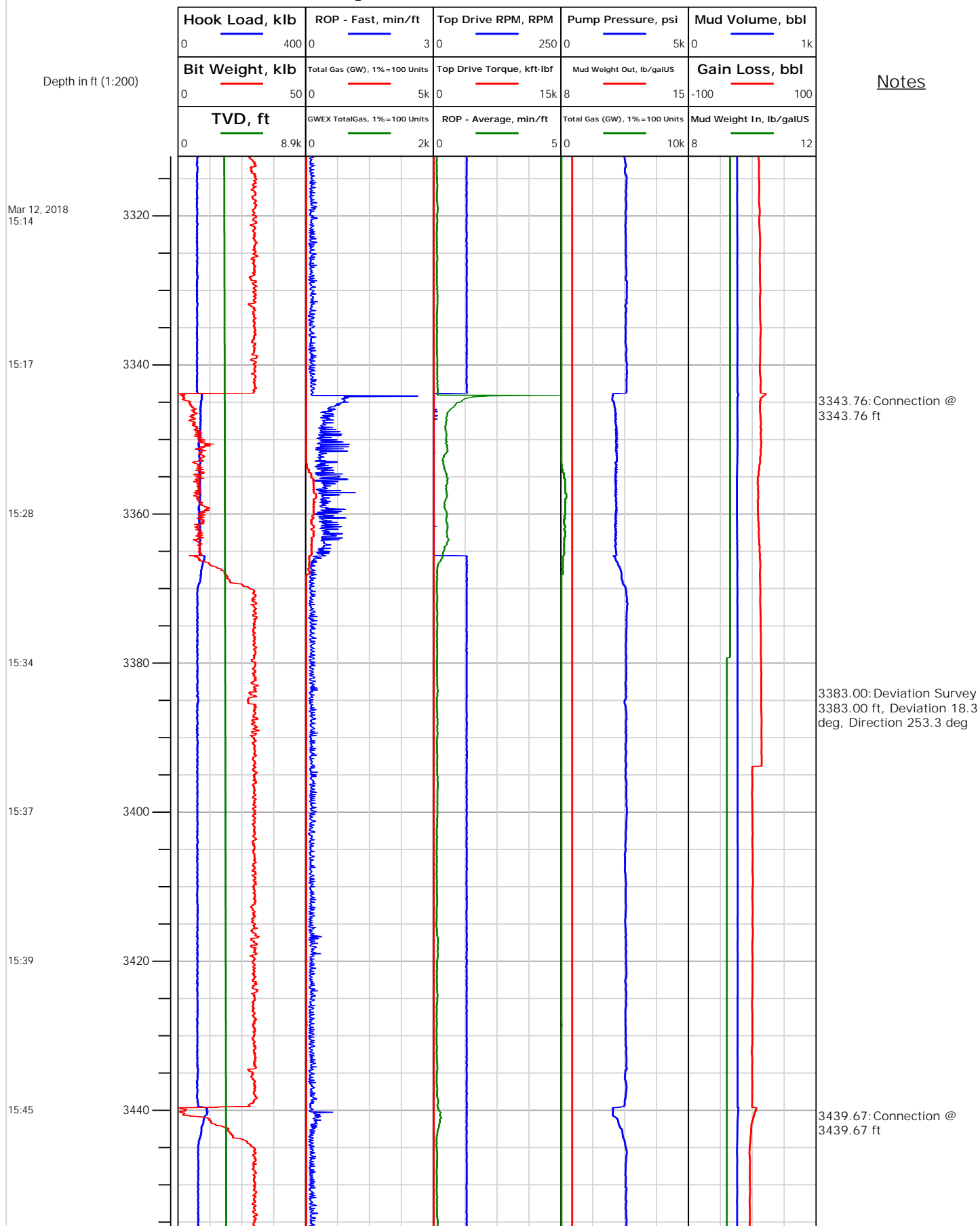
Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

# Electronic Drilling Recorder

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





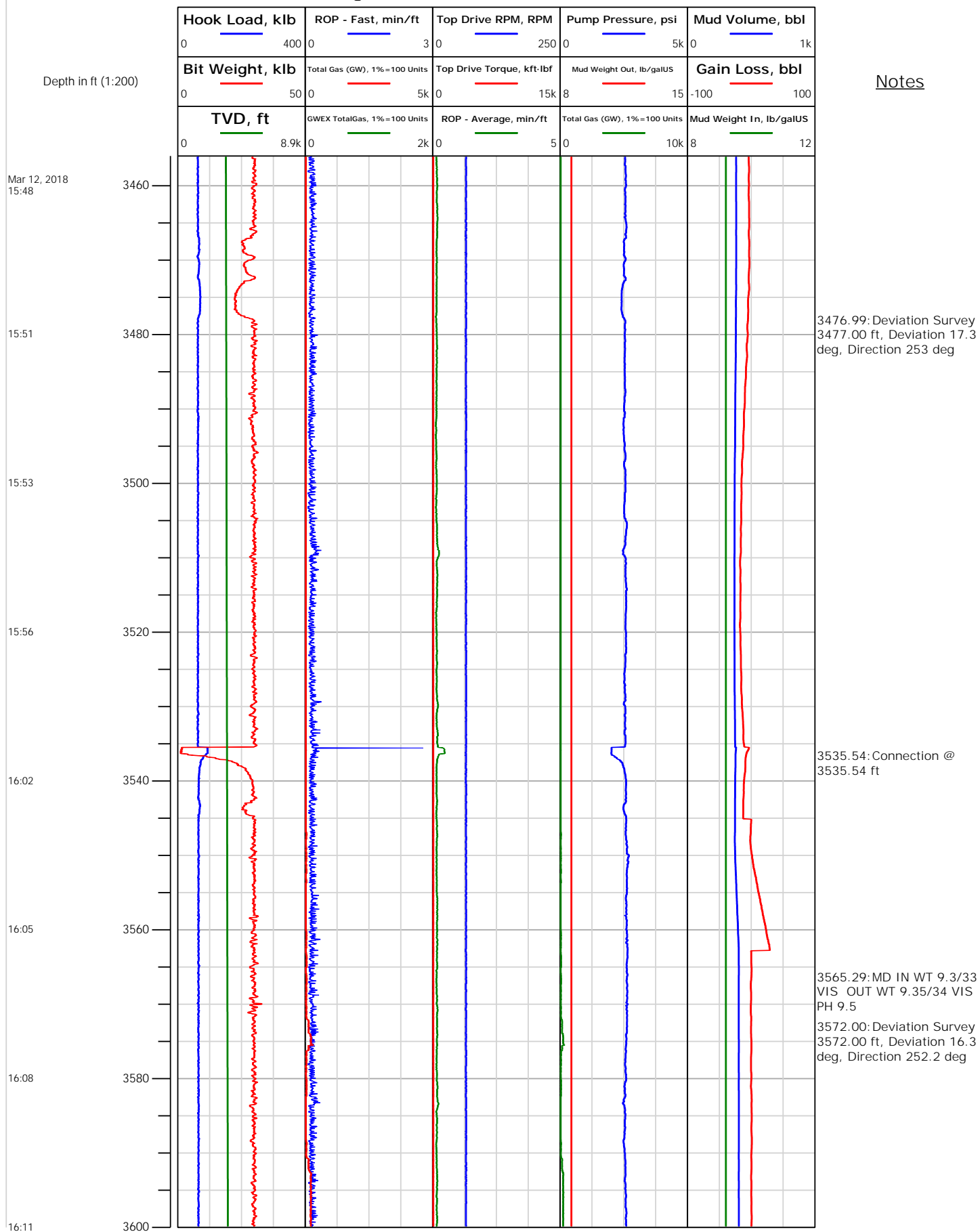
# Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





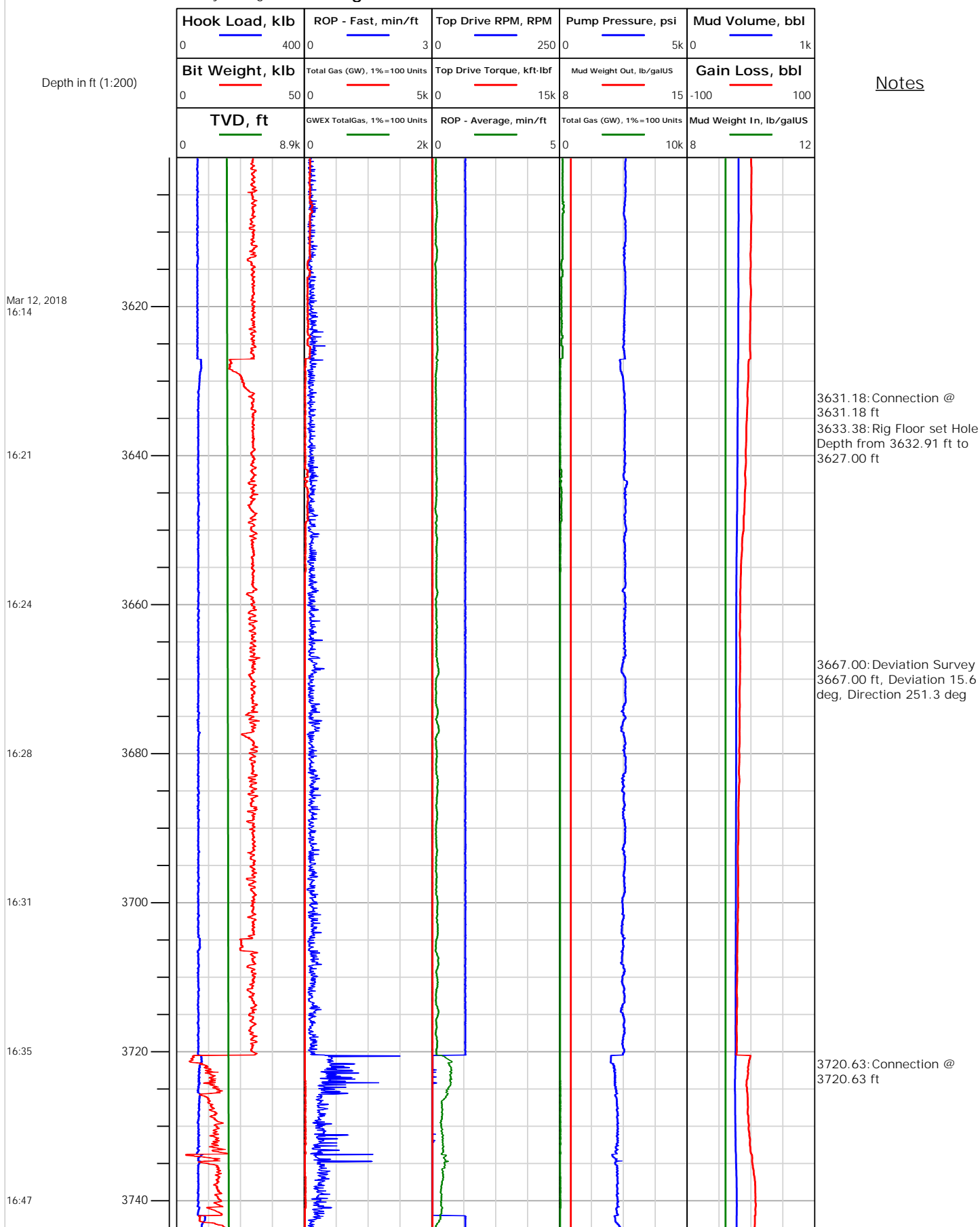
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes







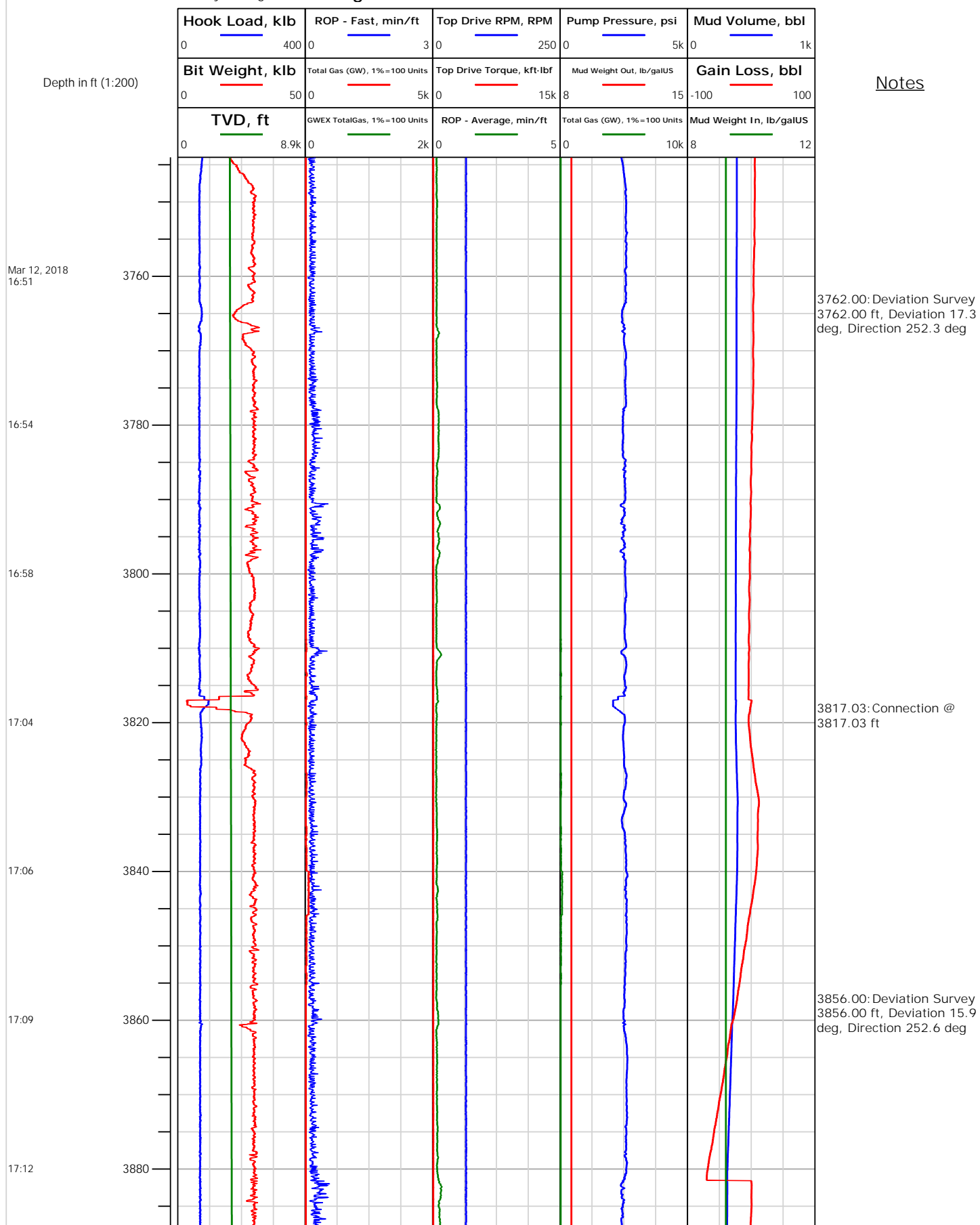
Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

# Electronic Drilling Recorder

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





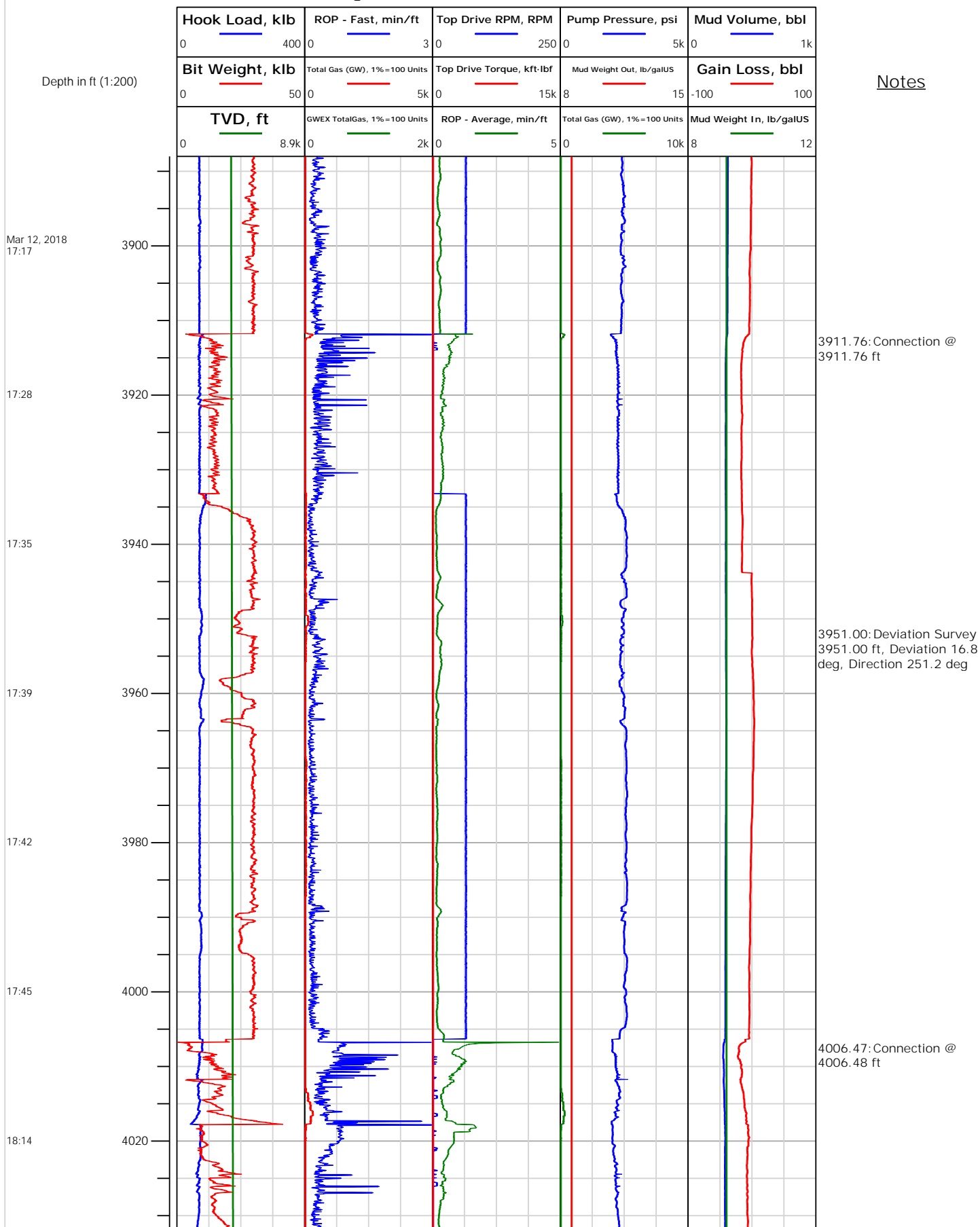
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





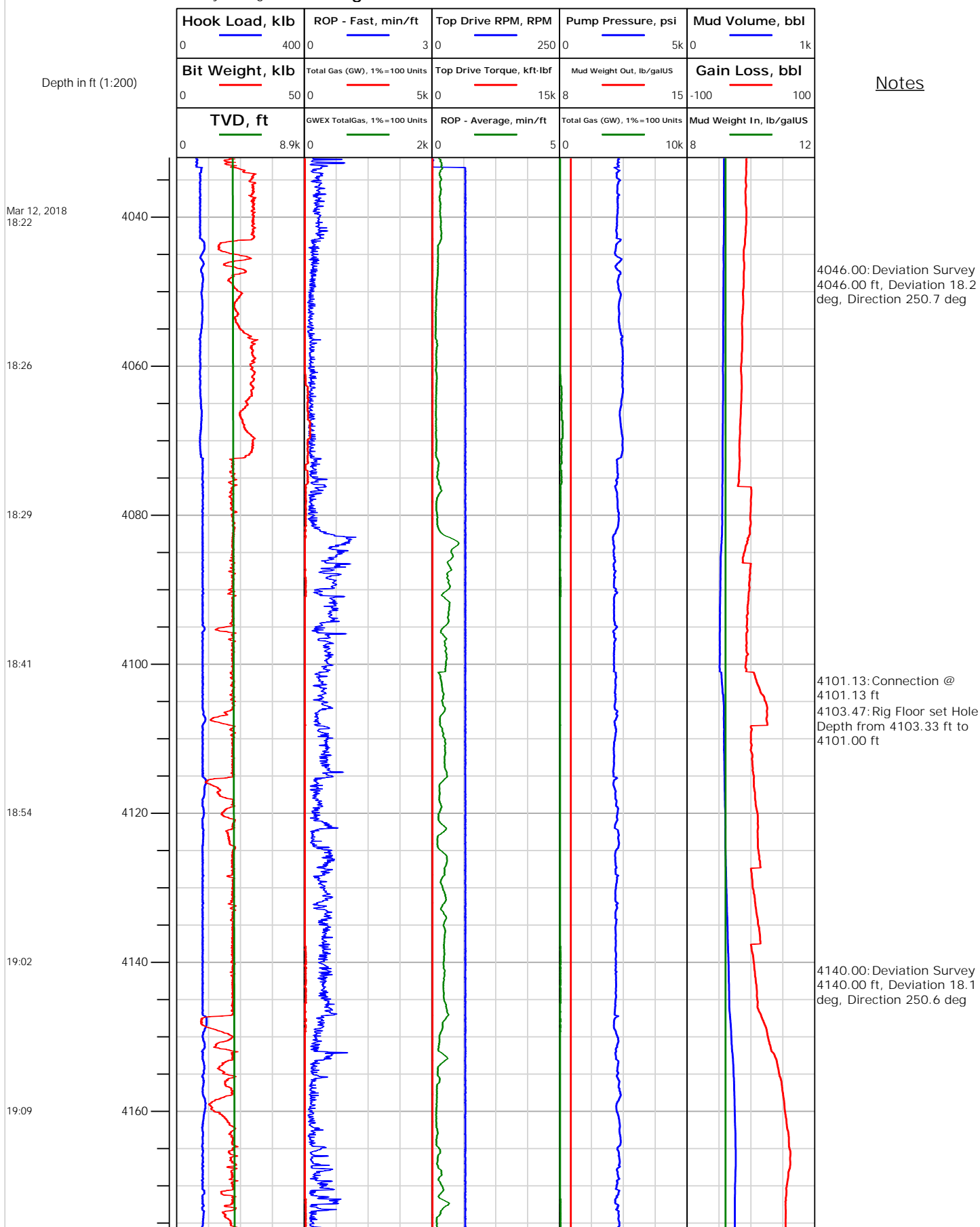
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

## Notes





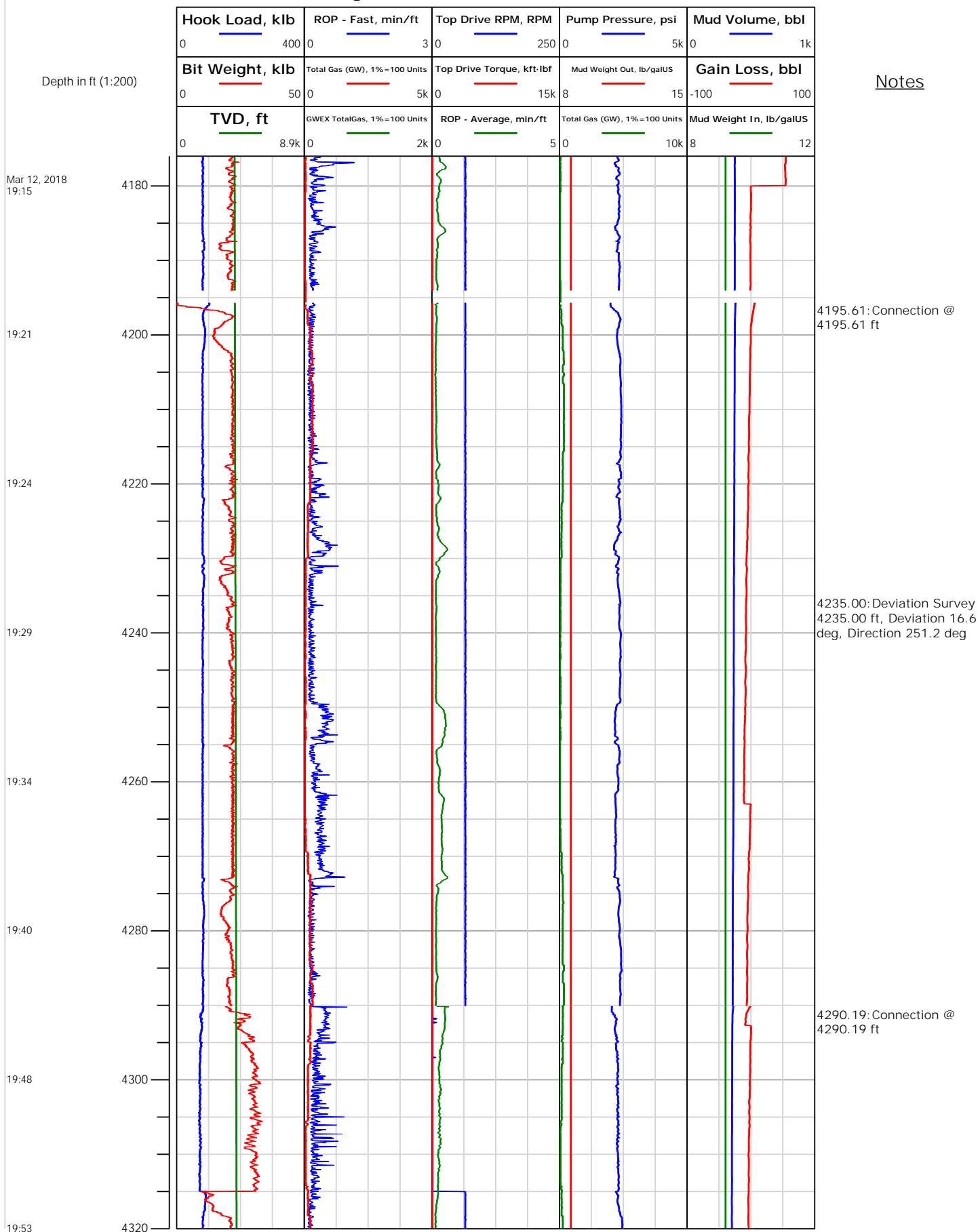
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





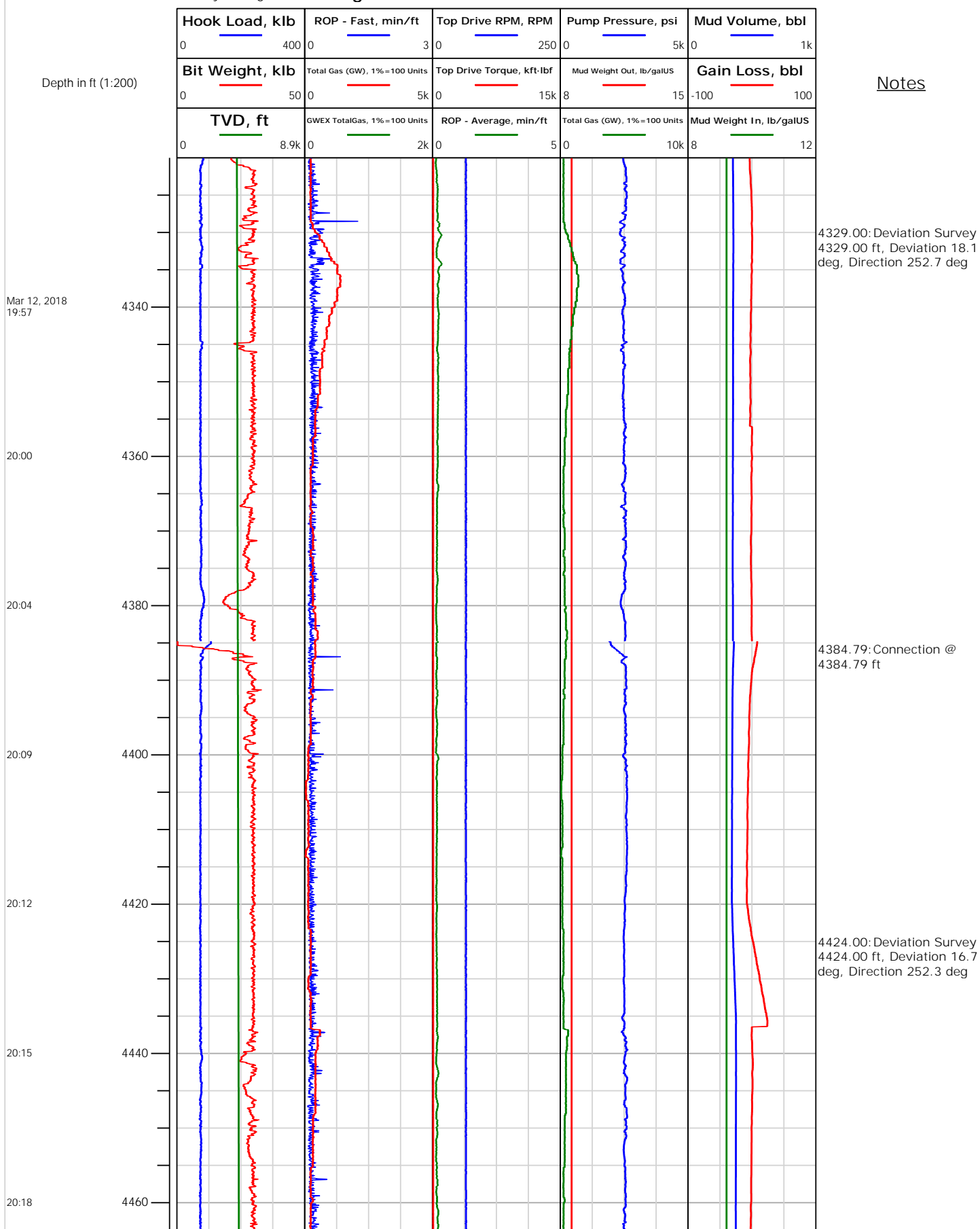
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

## Notes





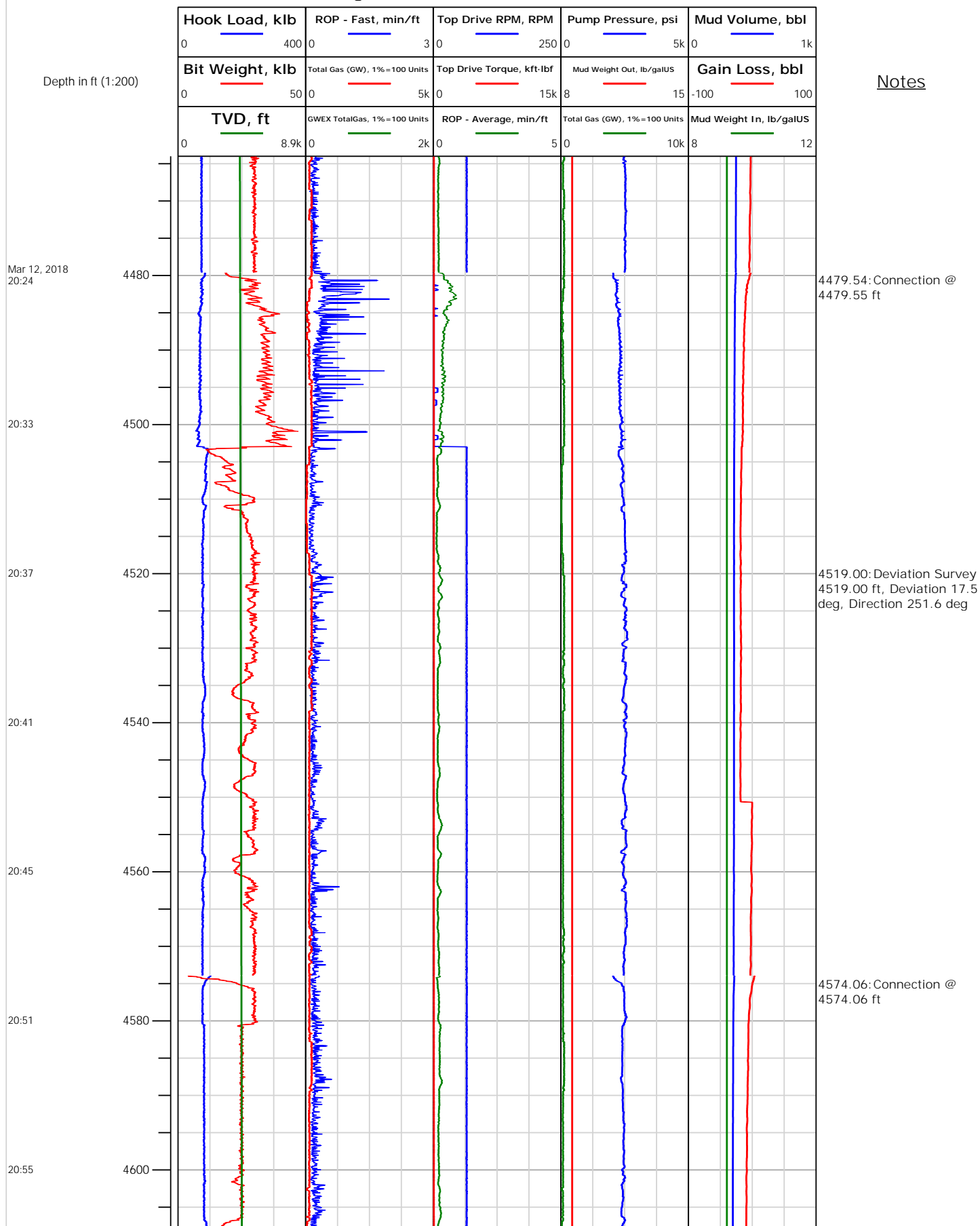
## Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Depth in ft (1:200)

Notes

Mar 12, 2018  
20:59

21:04

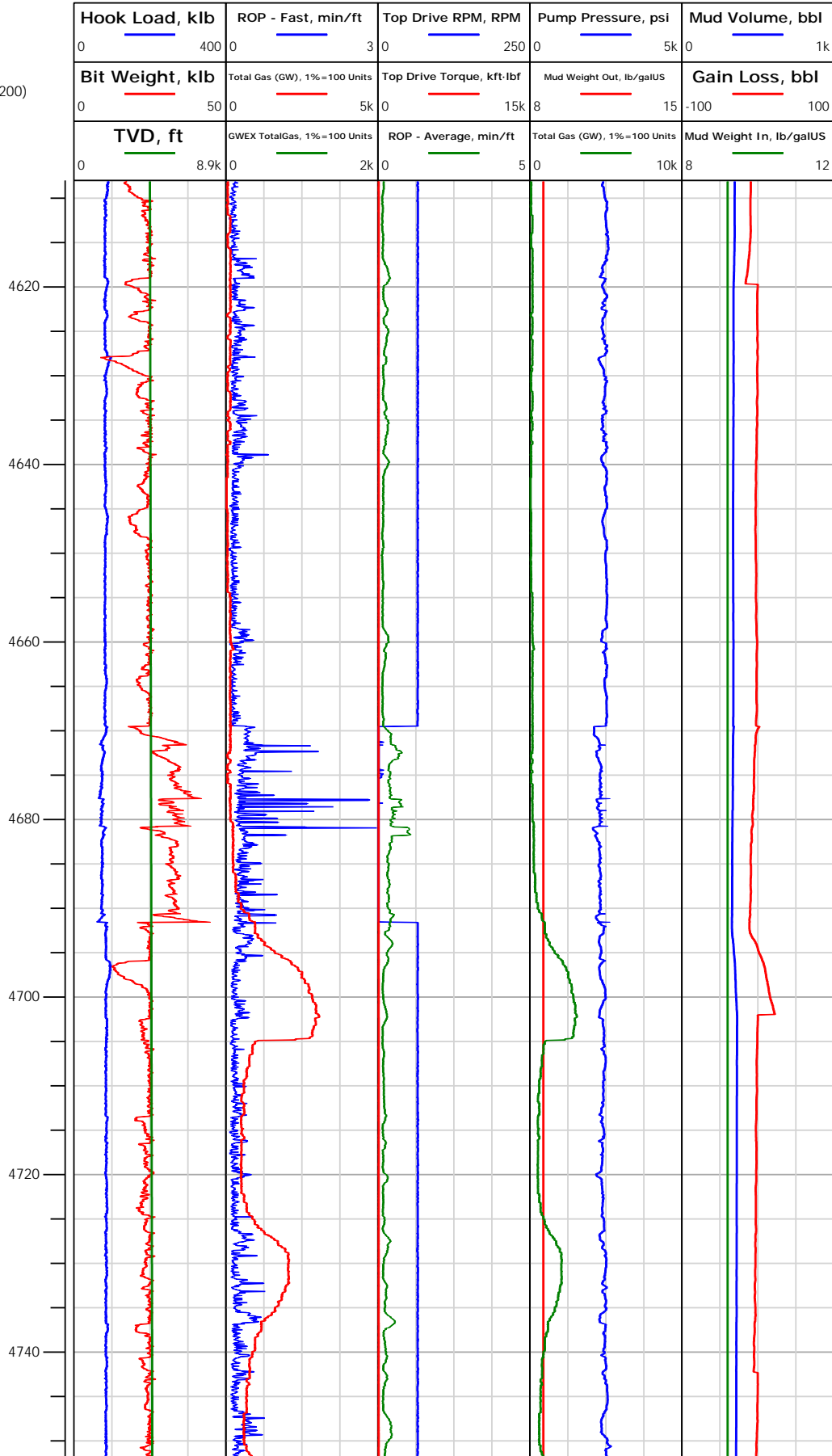
21:07

21:16

21:24

21:28

21:32



4613.00: Deviation Survey  
4613.00 ft, Deviation 15.8  
deg, Direction 249.7 deg

4669.56: Connection @  
4669.56 ft

4707.00: Deviation Survey  
4707.00 ft, Deviation 16.2  
deg, Direction 250.1 deg



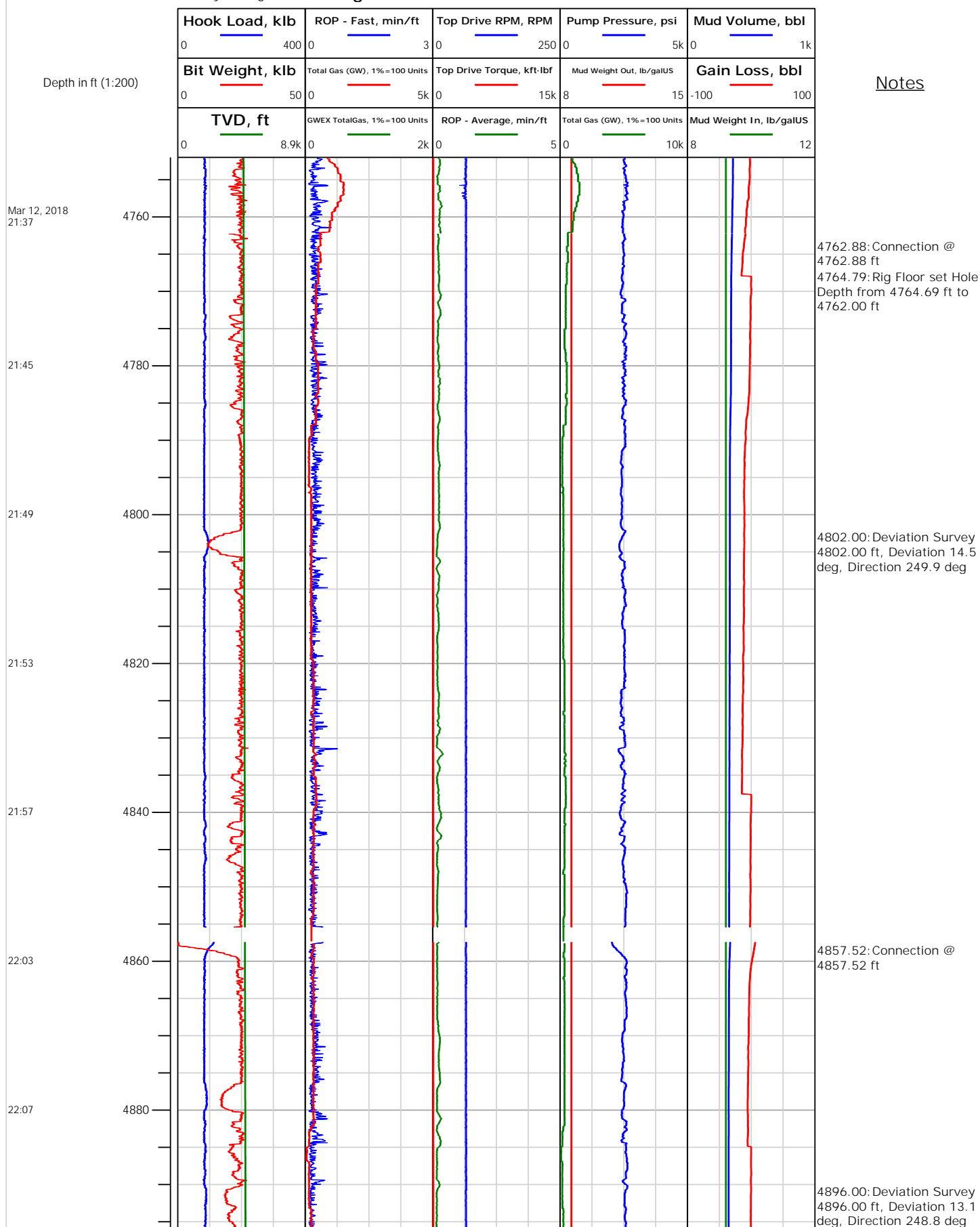
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

## Notes







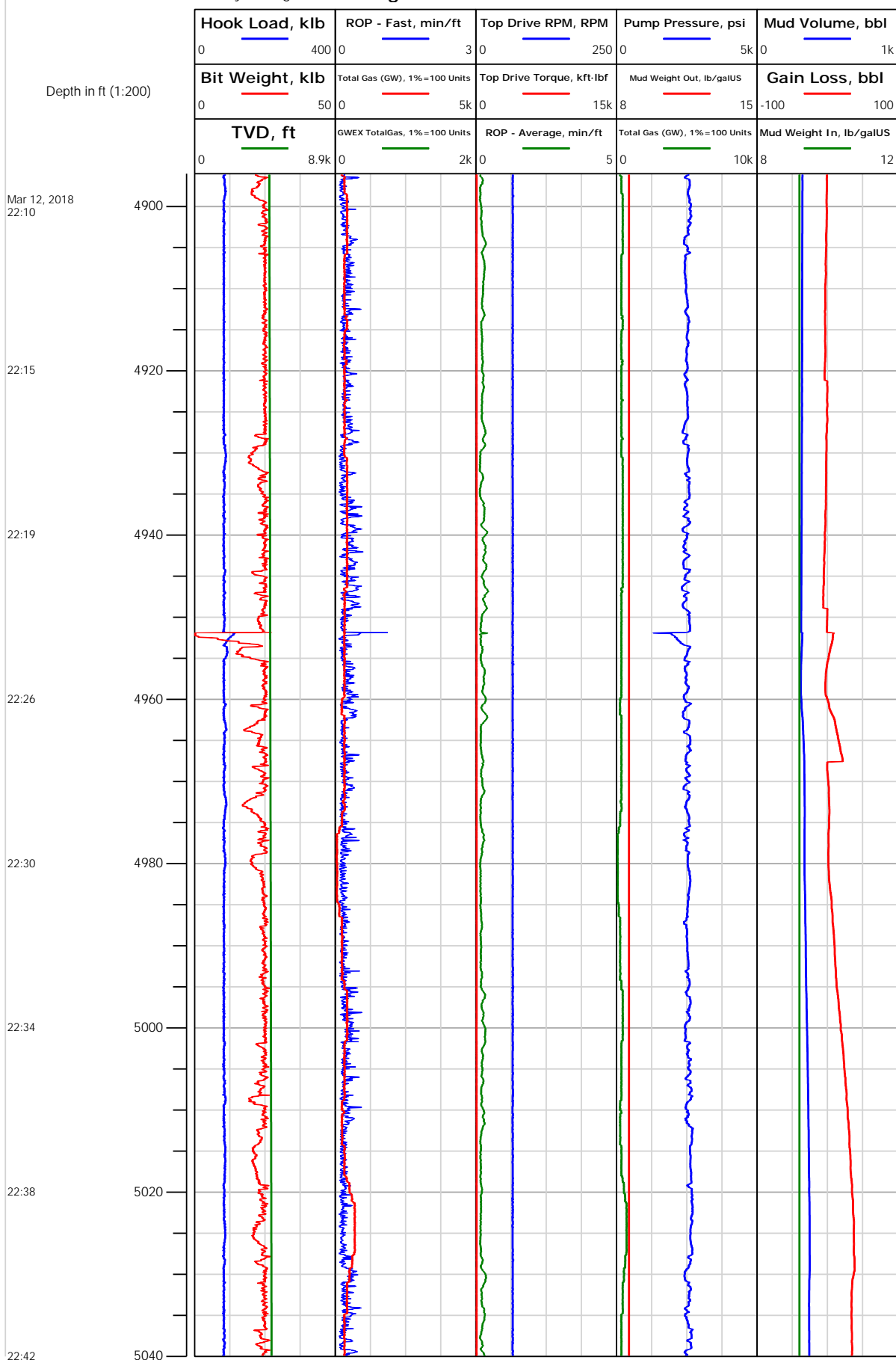
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





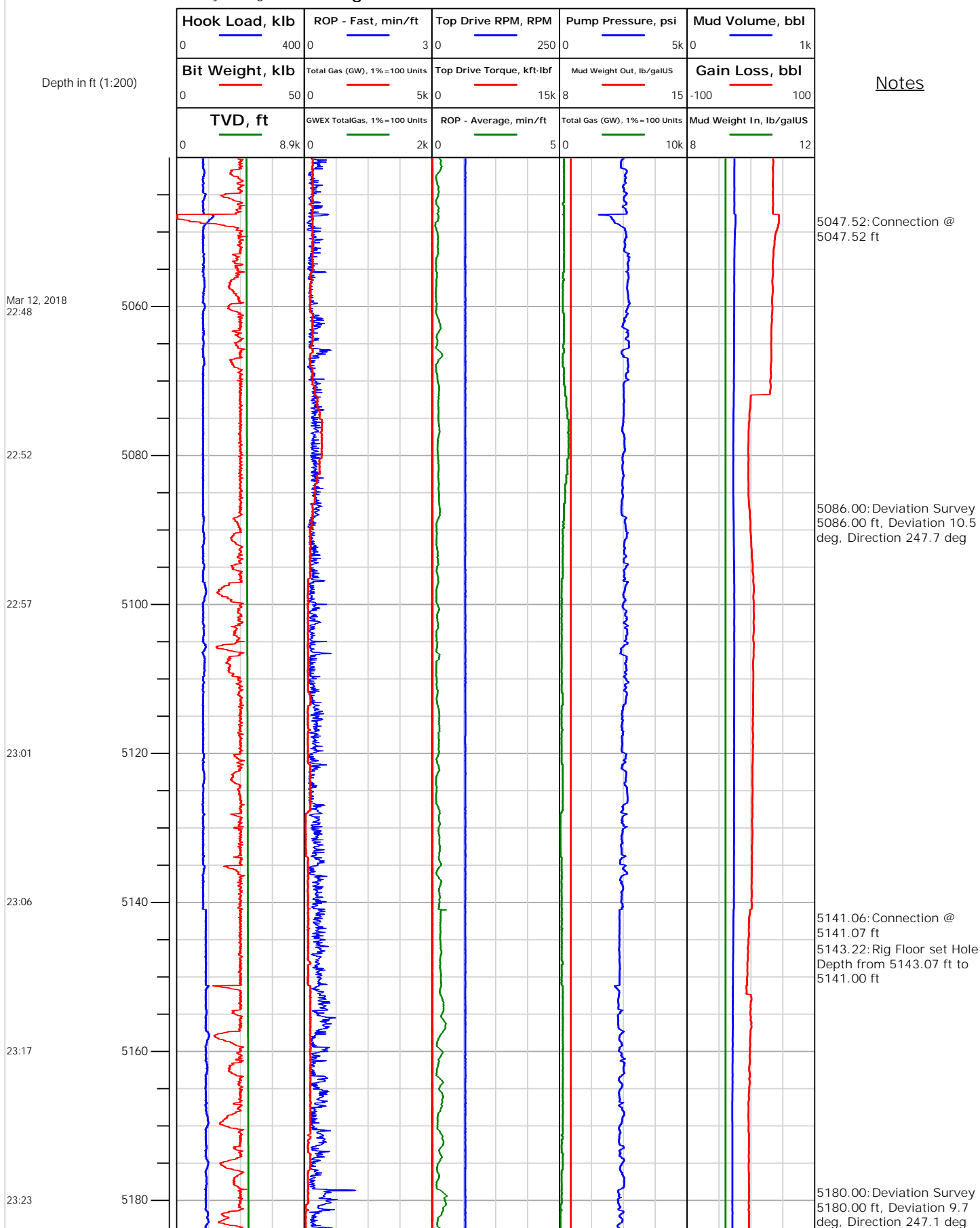
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

## Notes





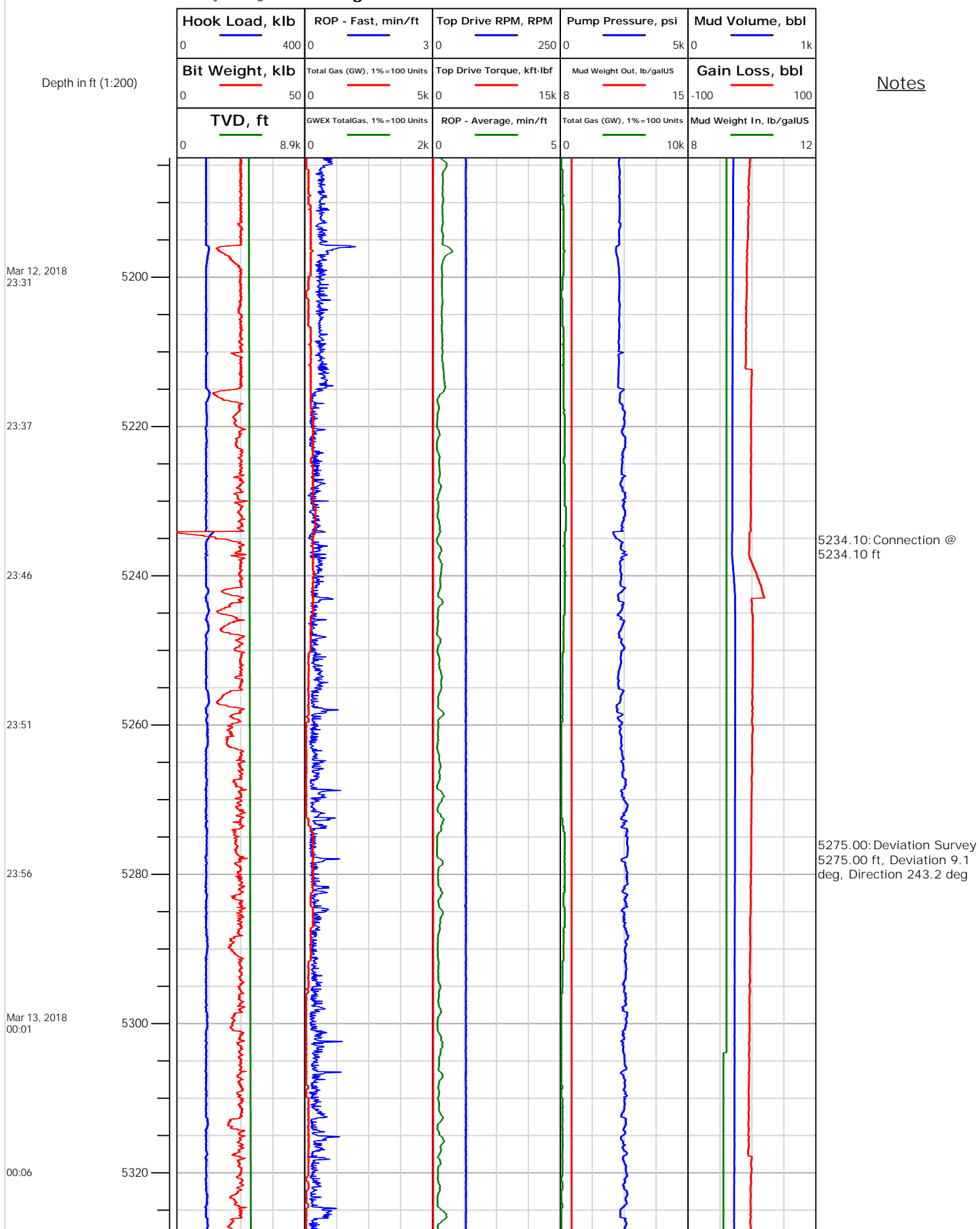
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





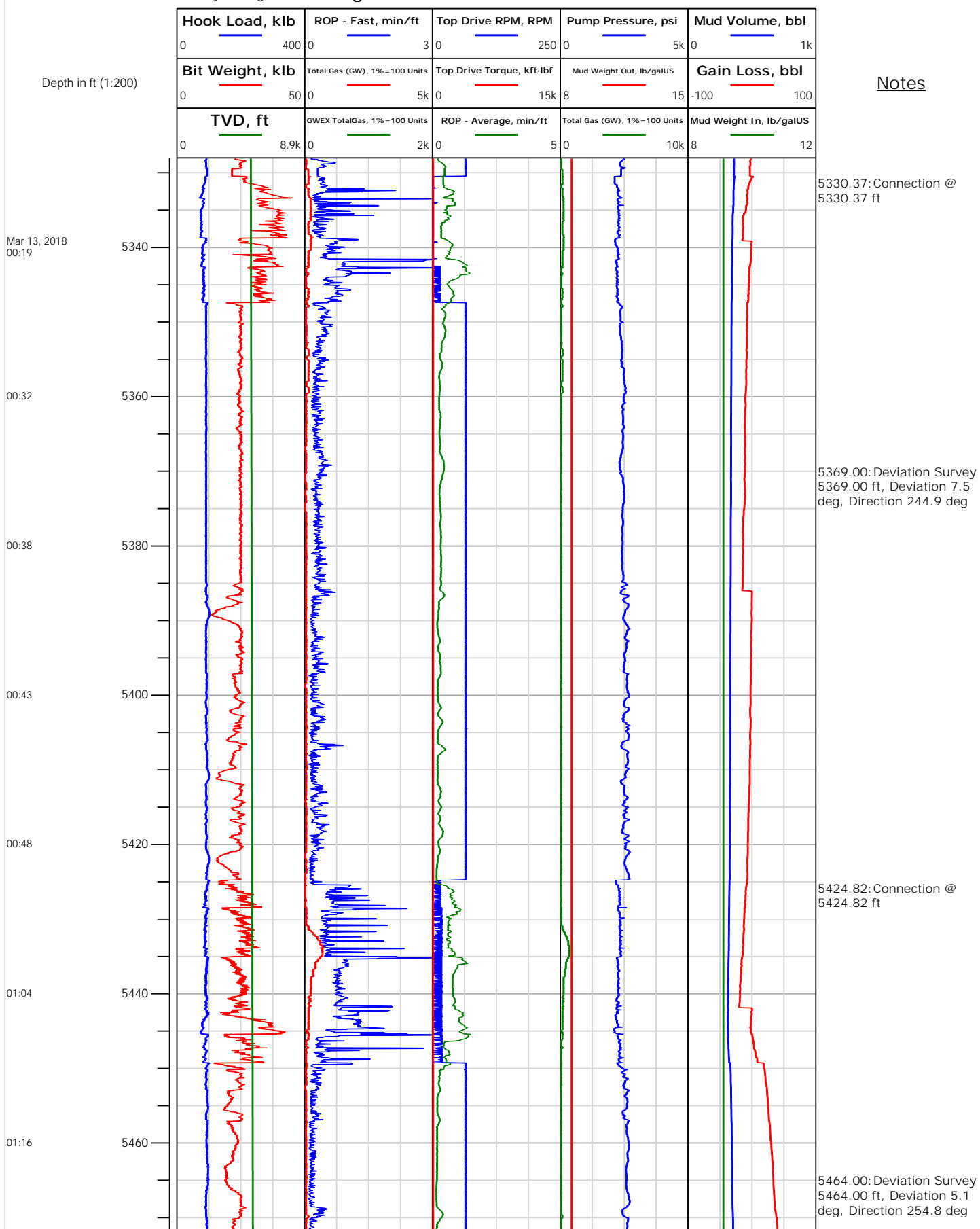
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





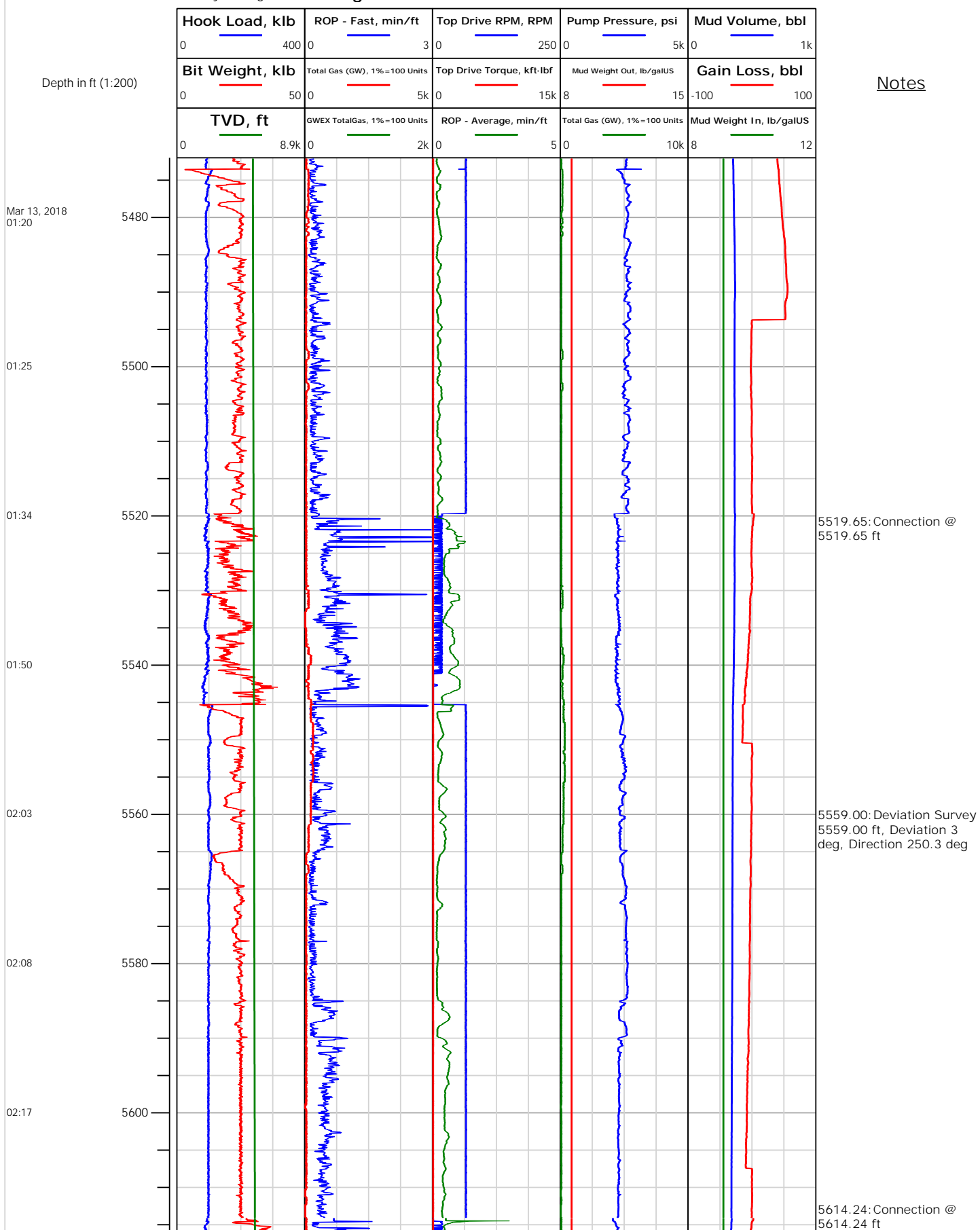
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





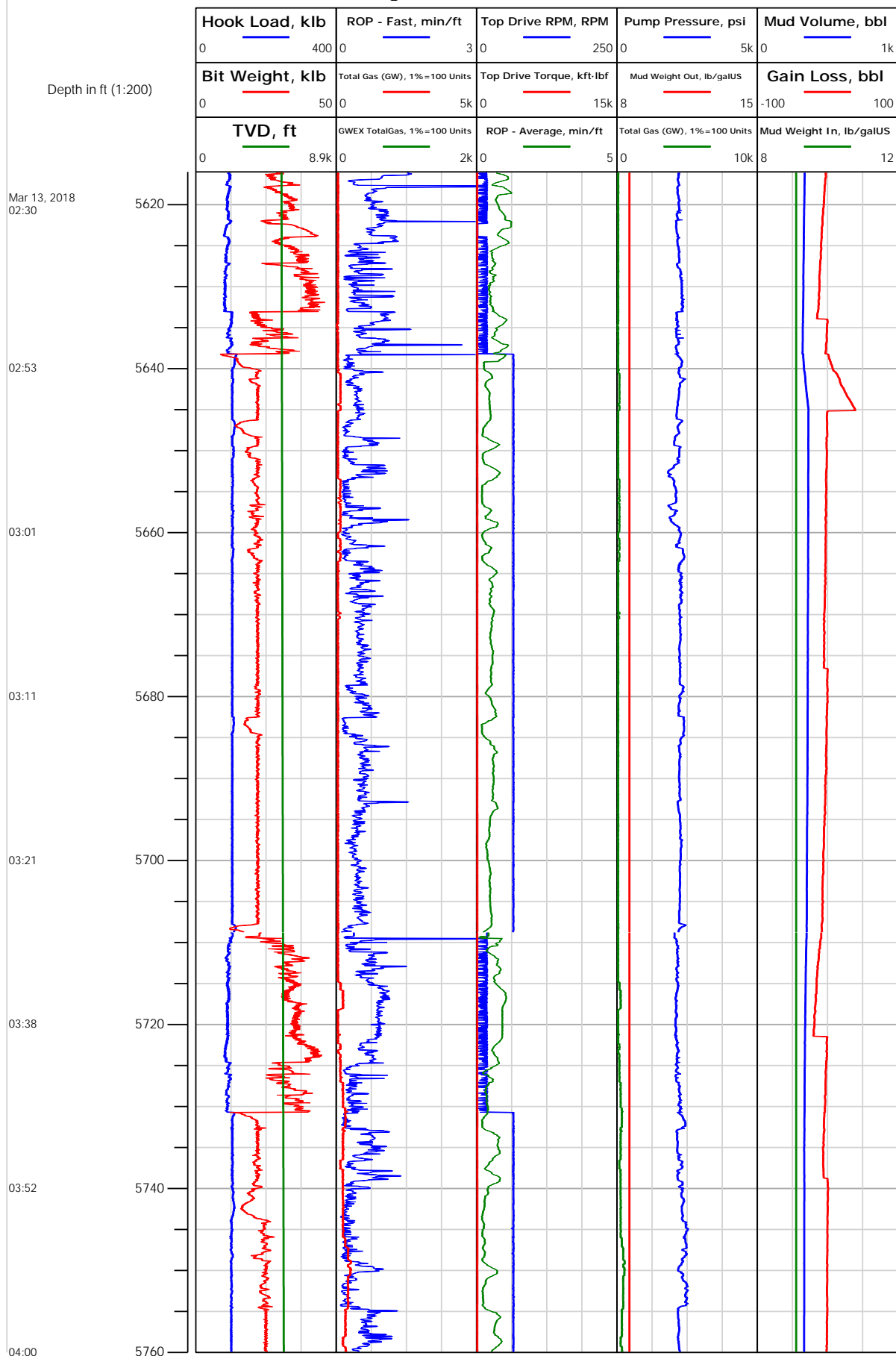
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





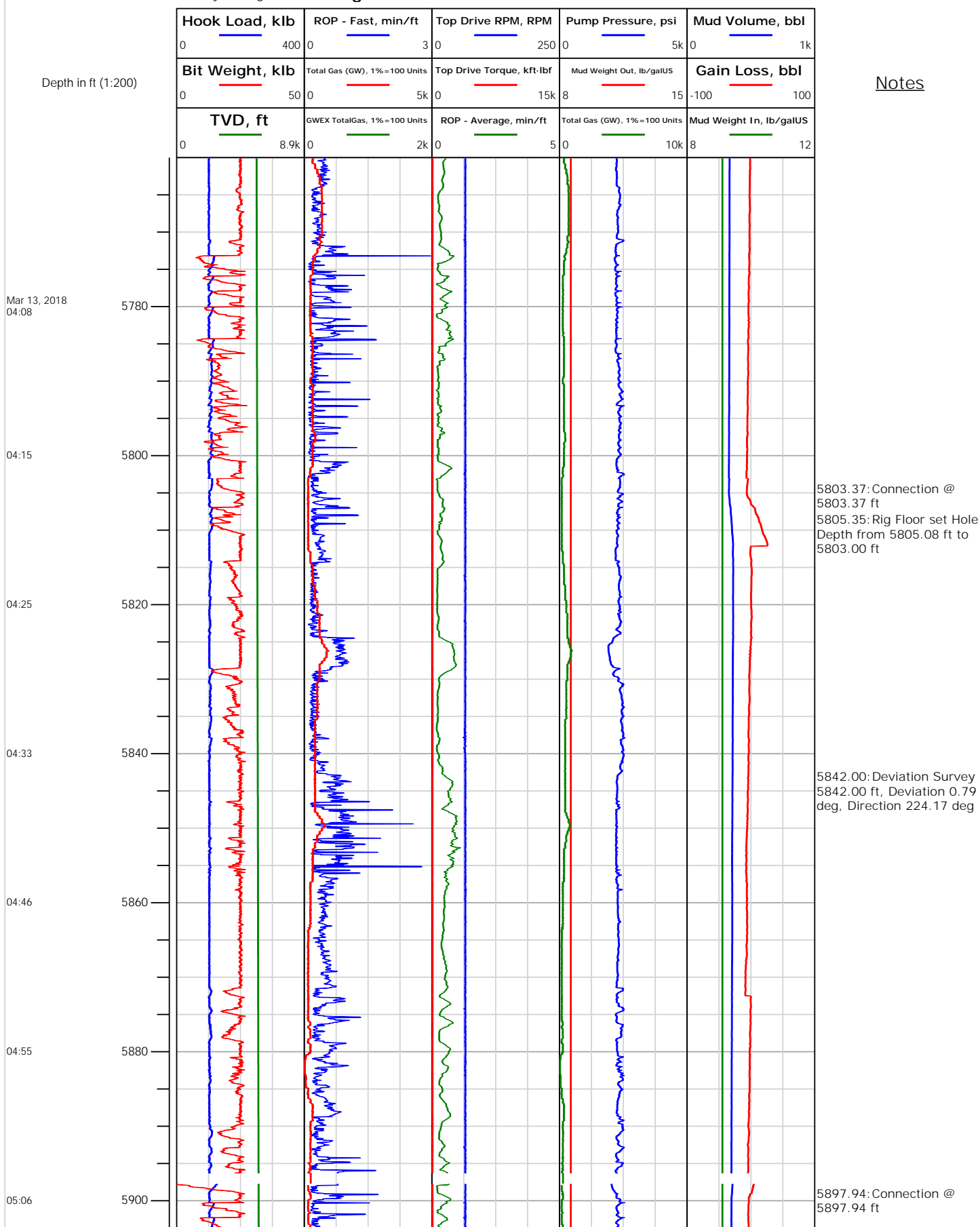
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





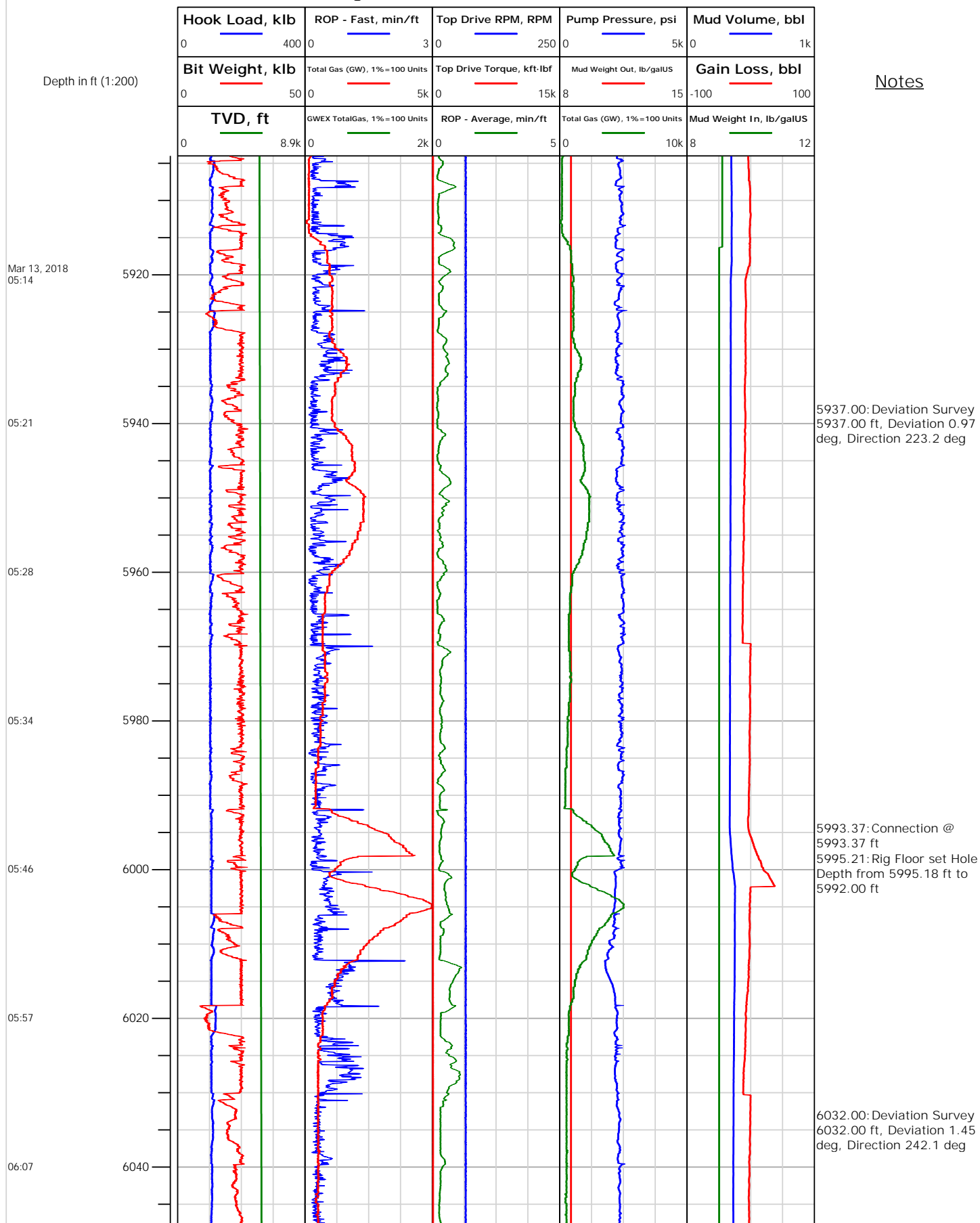
## Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes







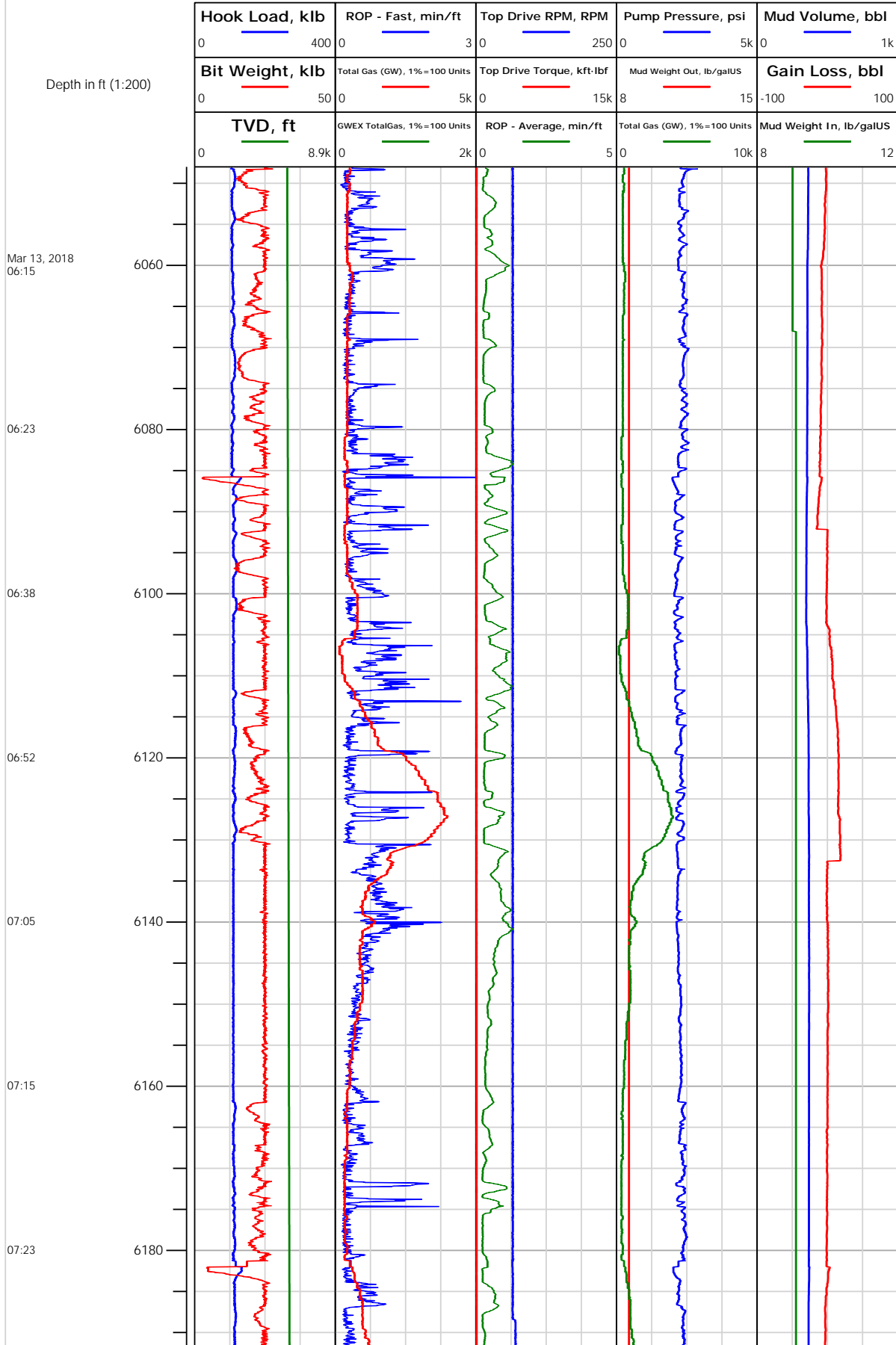
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

## Notes





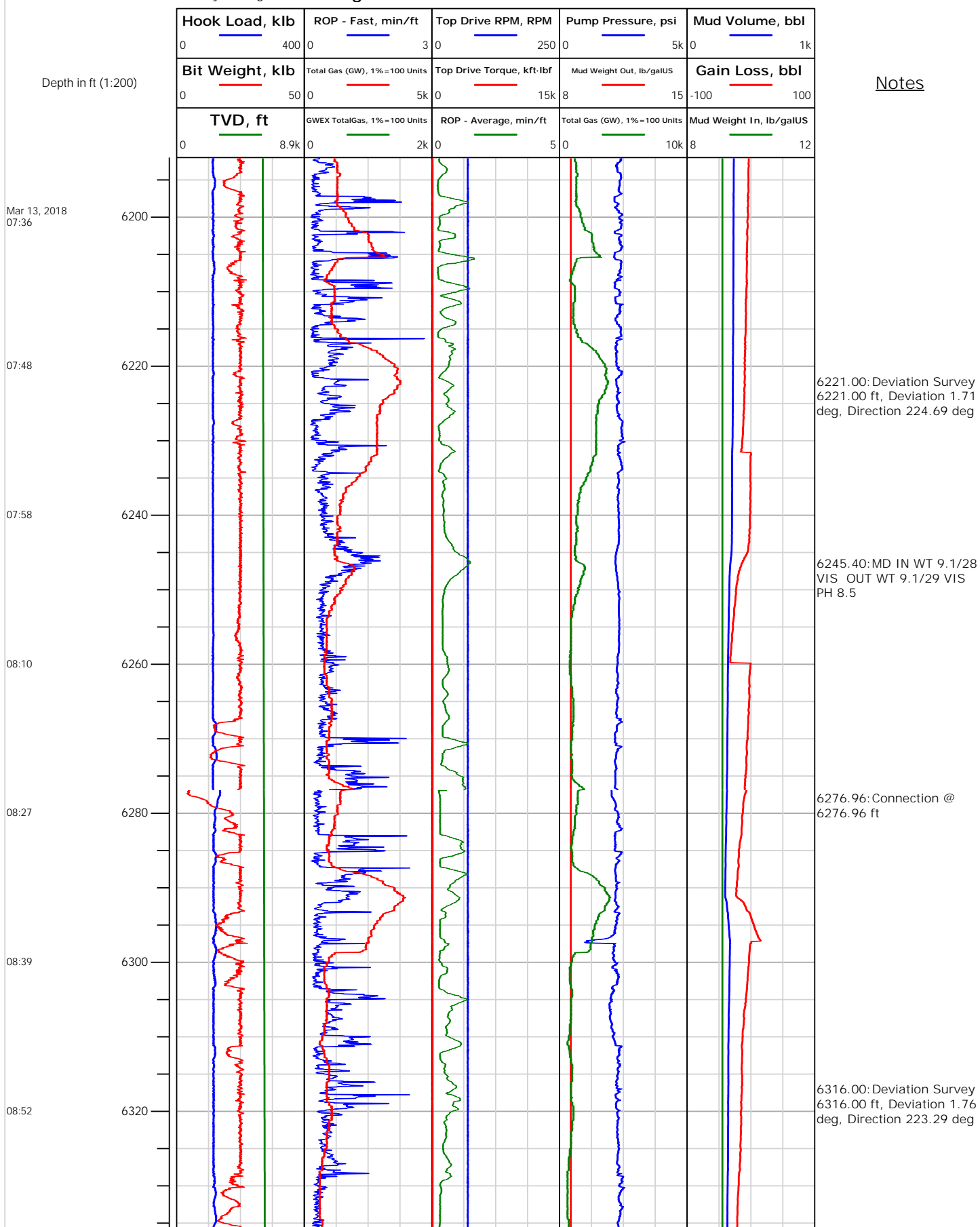
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





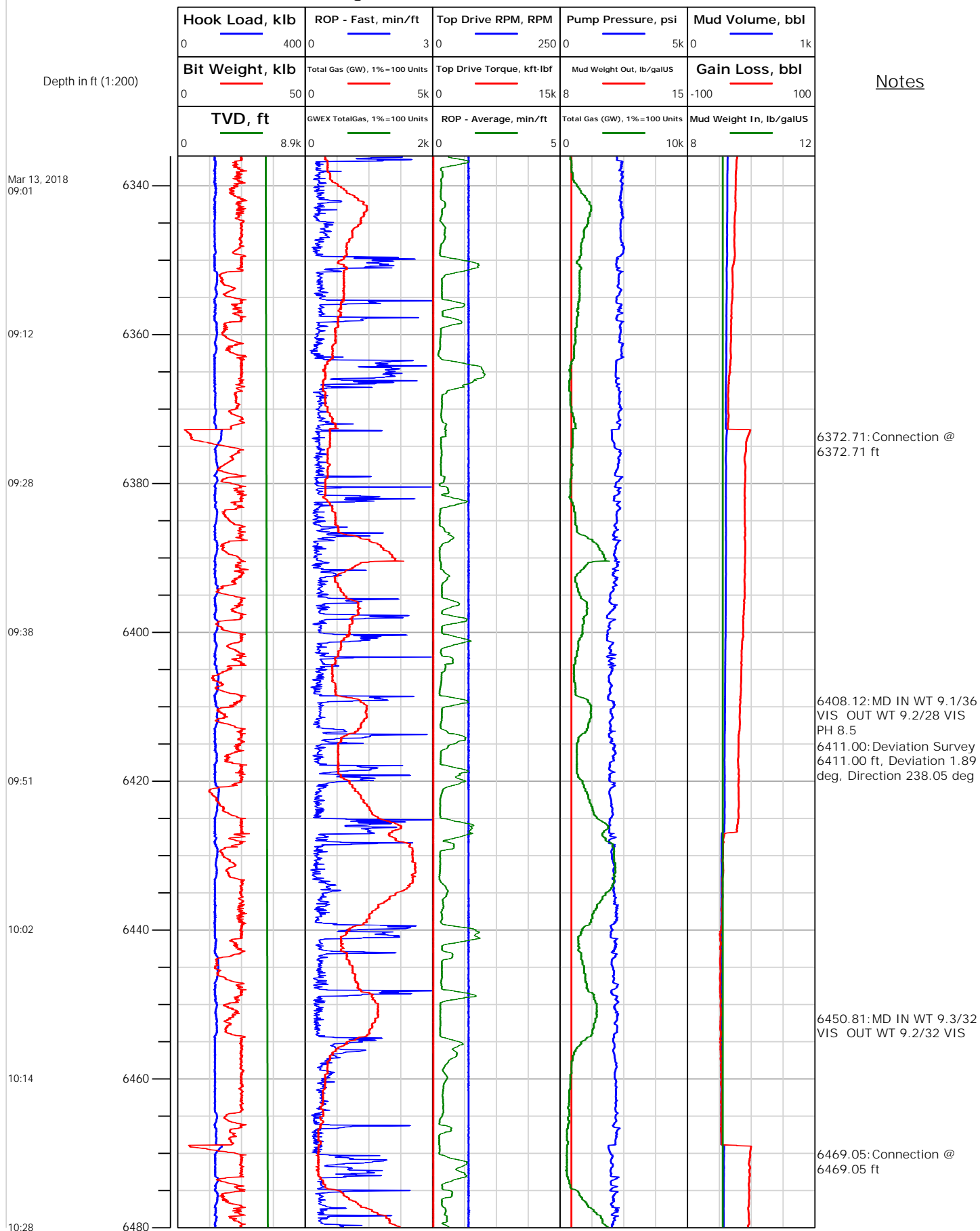
## Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





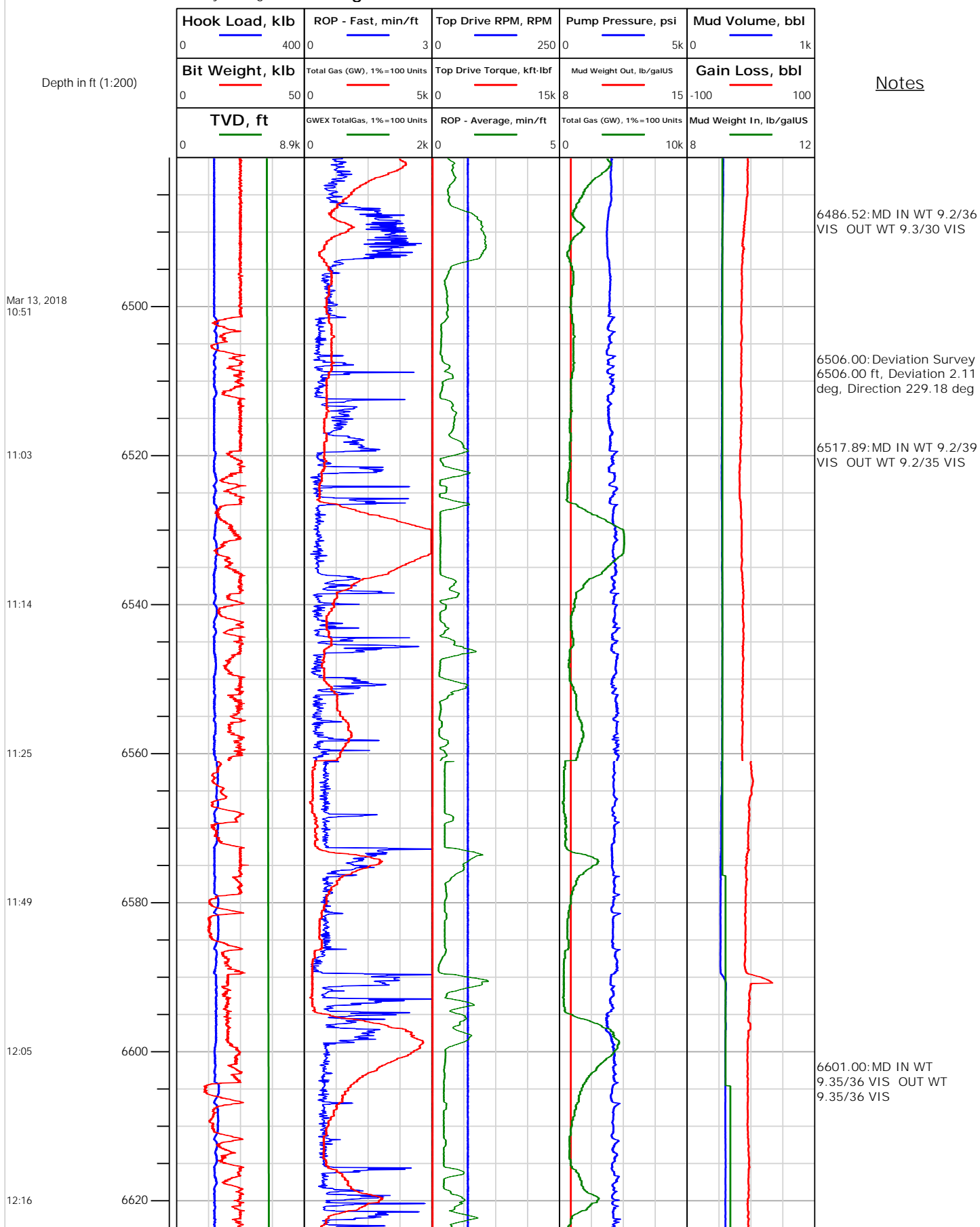
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

## Notes





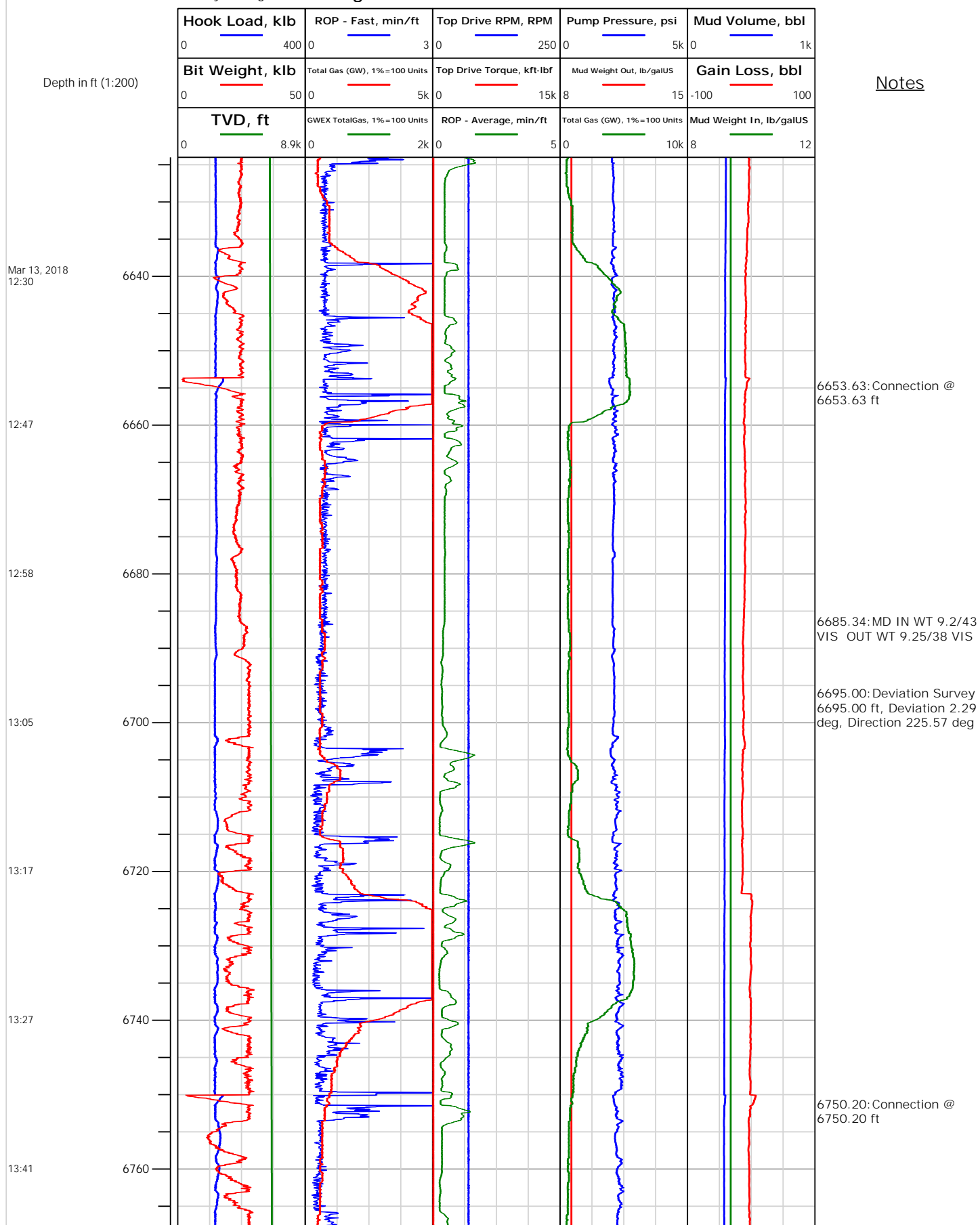
# Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





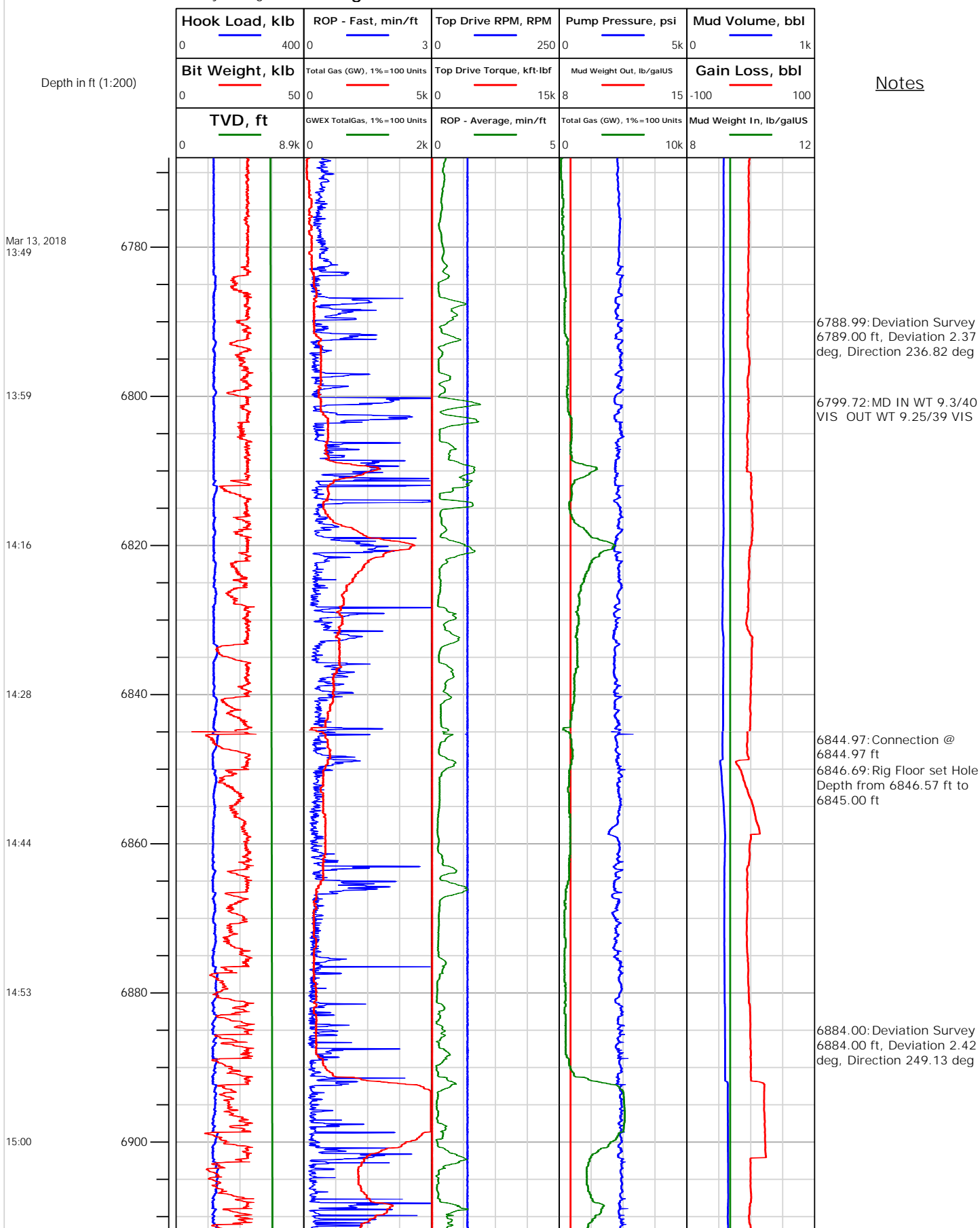
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

Notes





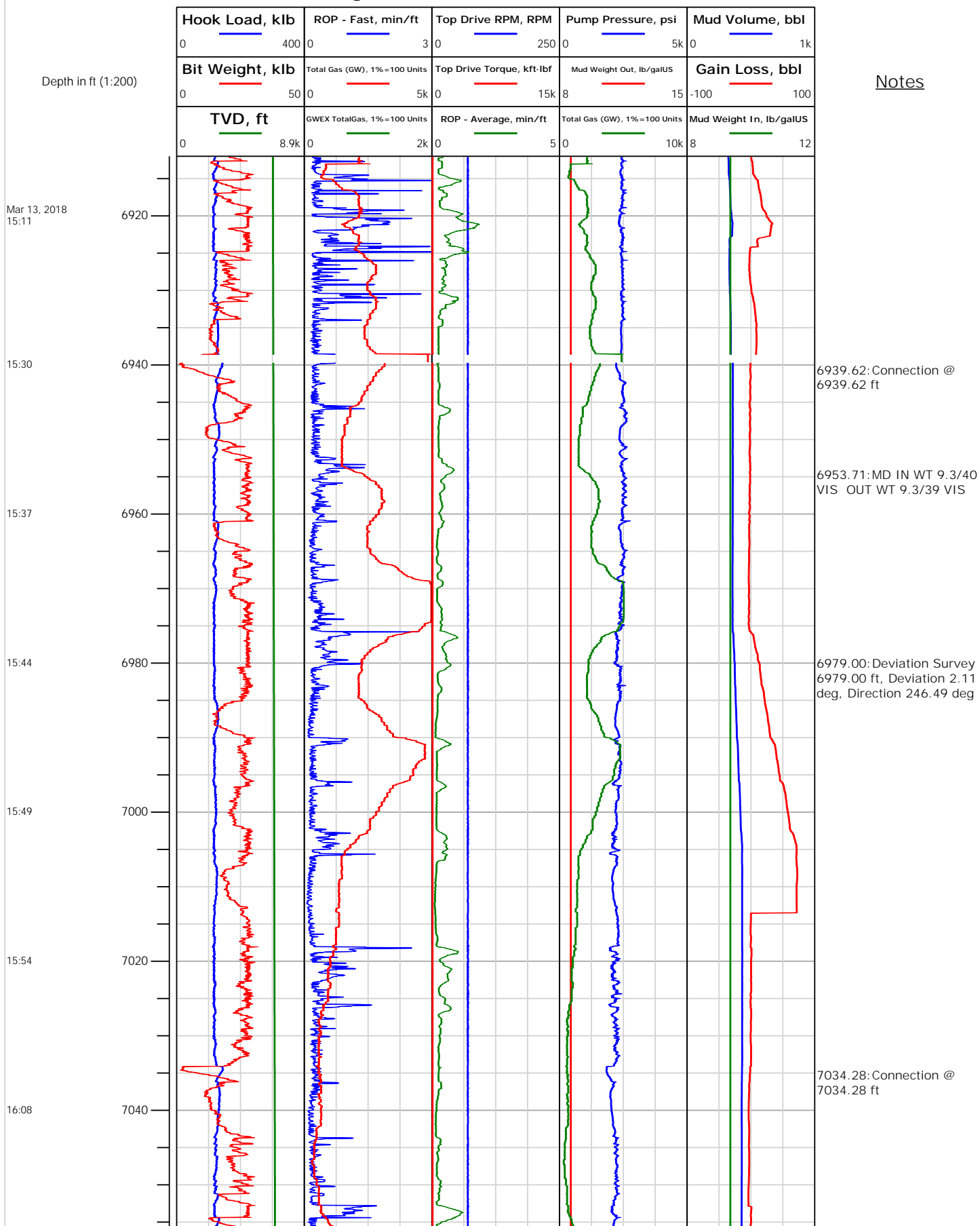
## Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





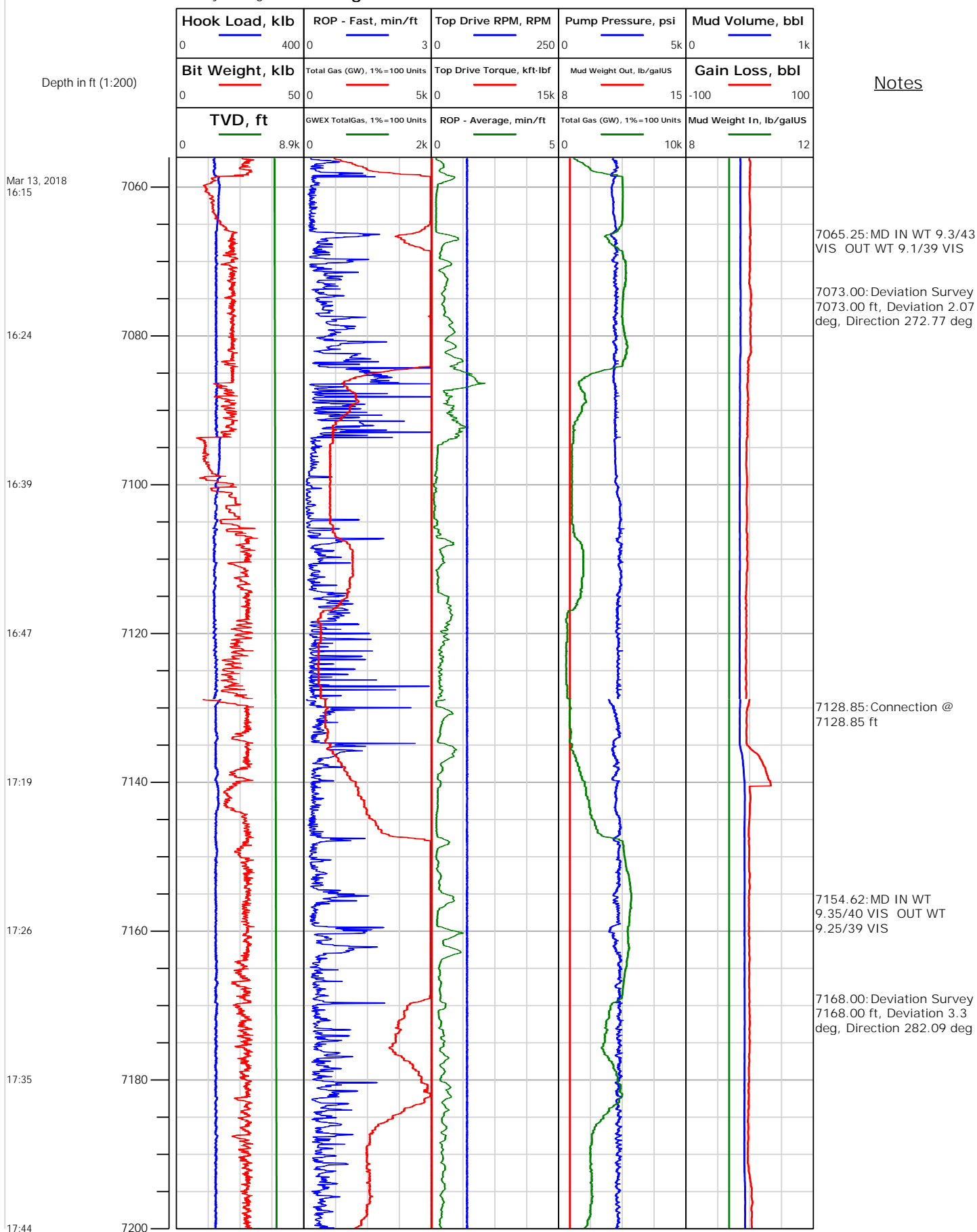
# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

## Notes







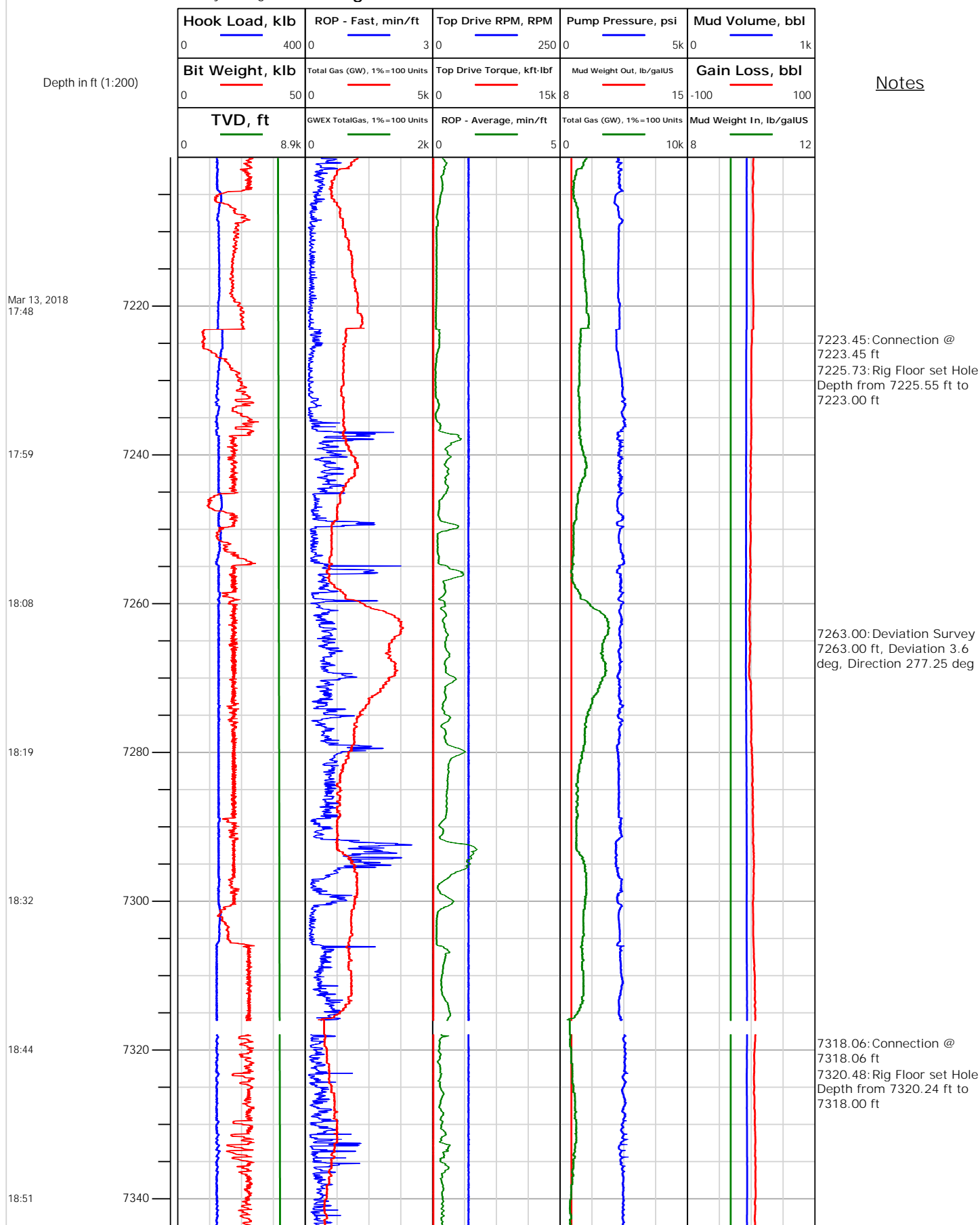
Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

# Electronic Drilling Recorder

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





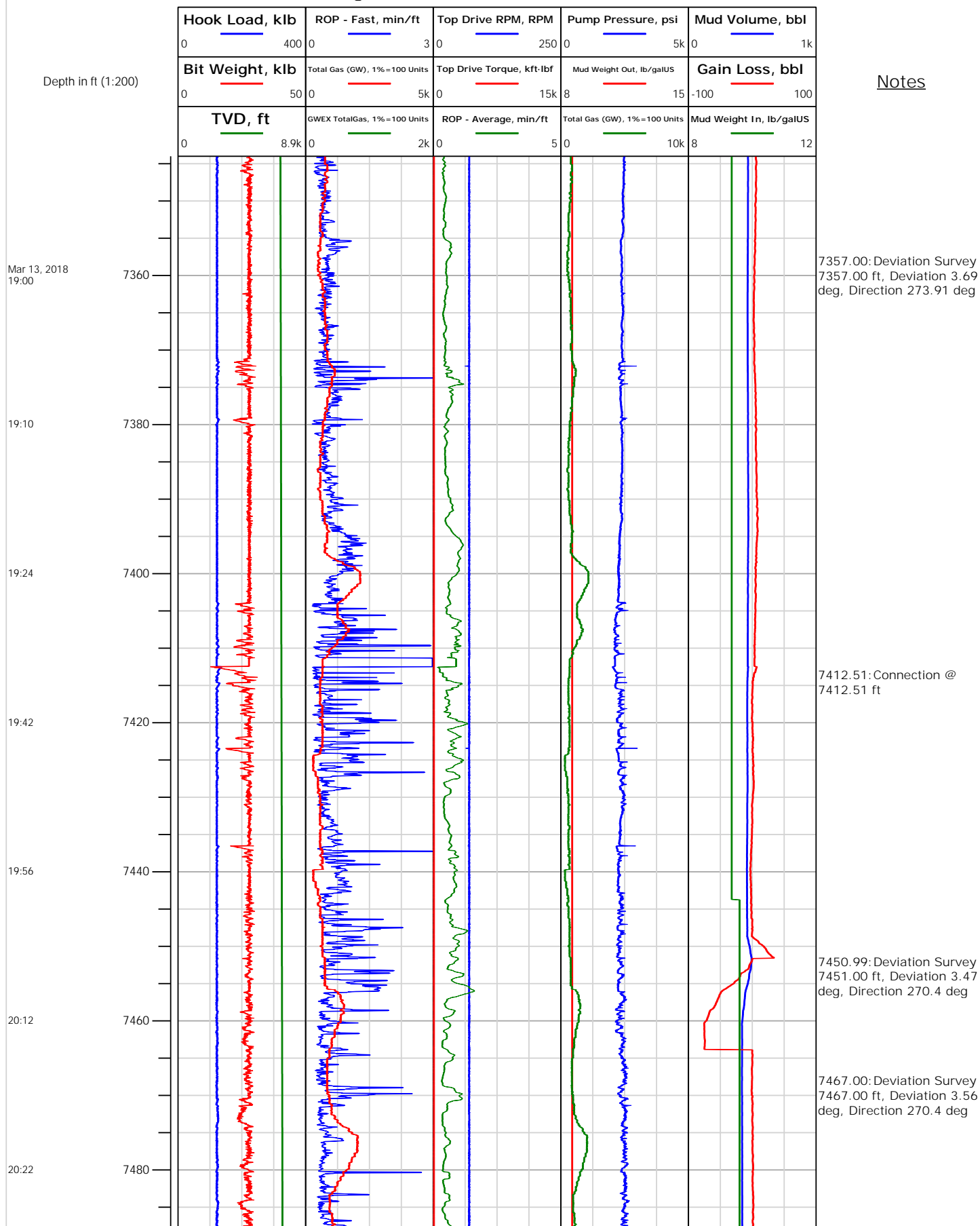
## Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 24-11W  
Rig: 290

Location:

Notes





# Electronic Drilling Recorder

**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 24-11W  
**Rig:** 290

**Location:**

## Notes

Depth in ft (1:200)

Mar 13, 2018  
20:32

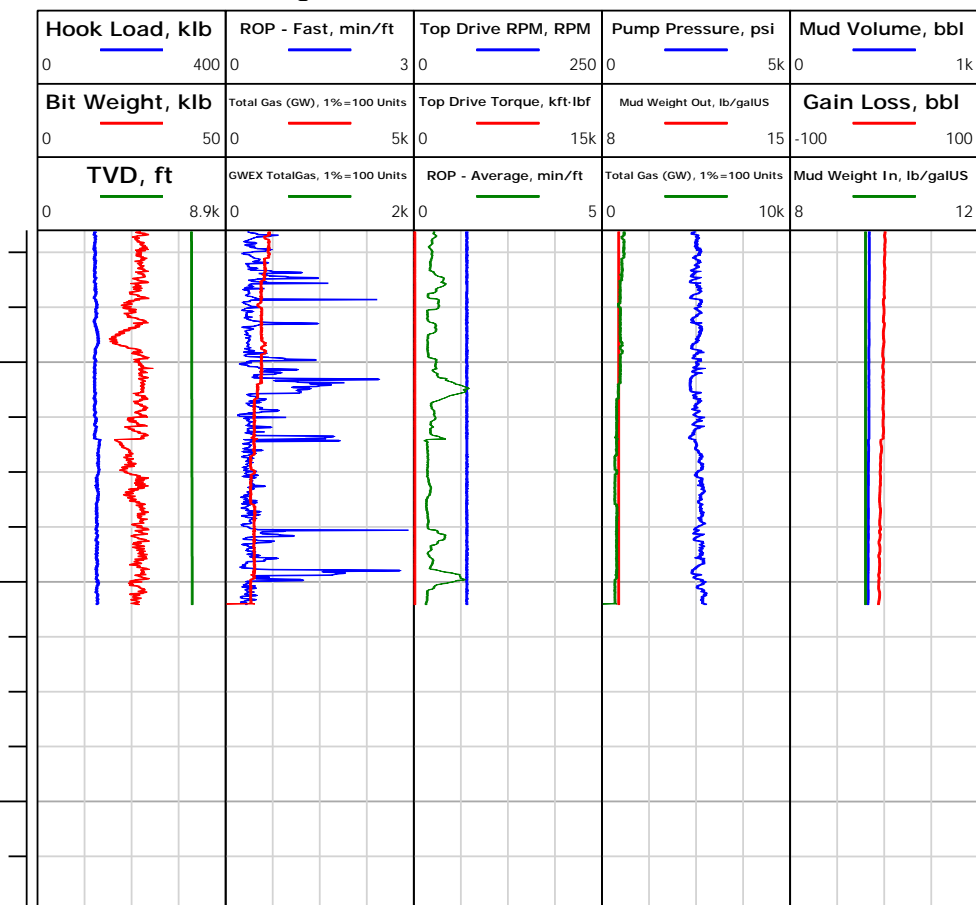
20:49

20:49

7500

7520

7540



7506.99: Connection @  
7506.99 ft  
7508.87: Rig Floor set Hole  
Depth from 7508.87 ft to  
7507.00 ft

7522.00: Deviation Survey  
7522.00 ft, Deviation 3.56  
deg, Direction 270.4 deg  
7522.13: Rig Floor set Bit  
Position from 2479.25 ft to  
2516.00 ft  
7522.13: Rig Floor set Bit  
Position from 302.59 ft to  
422.00 ft