



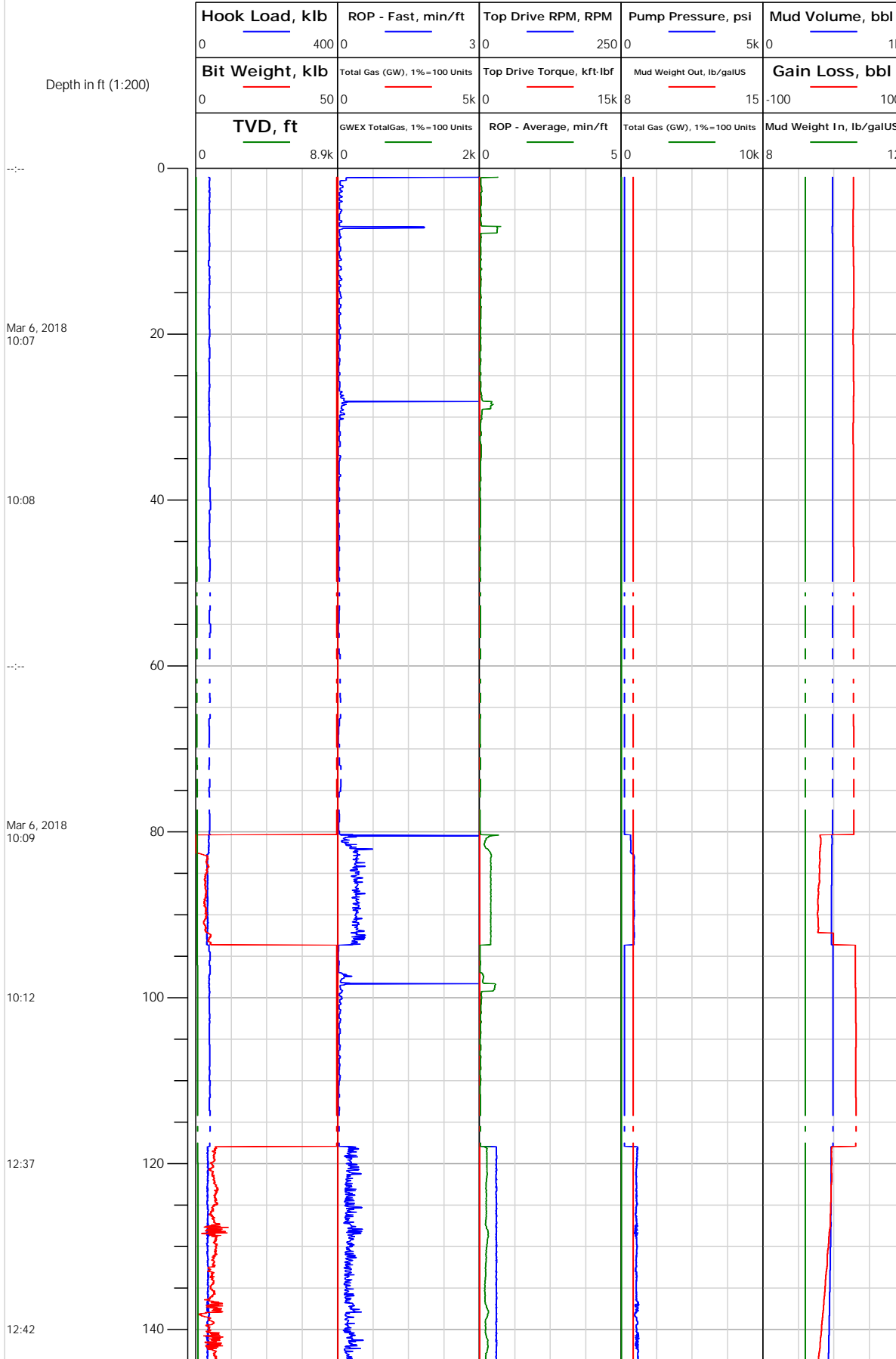
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





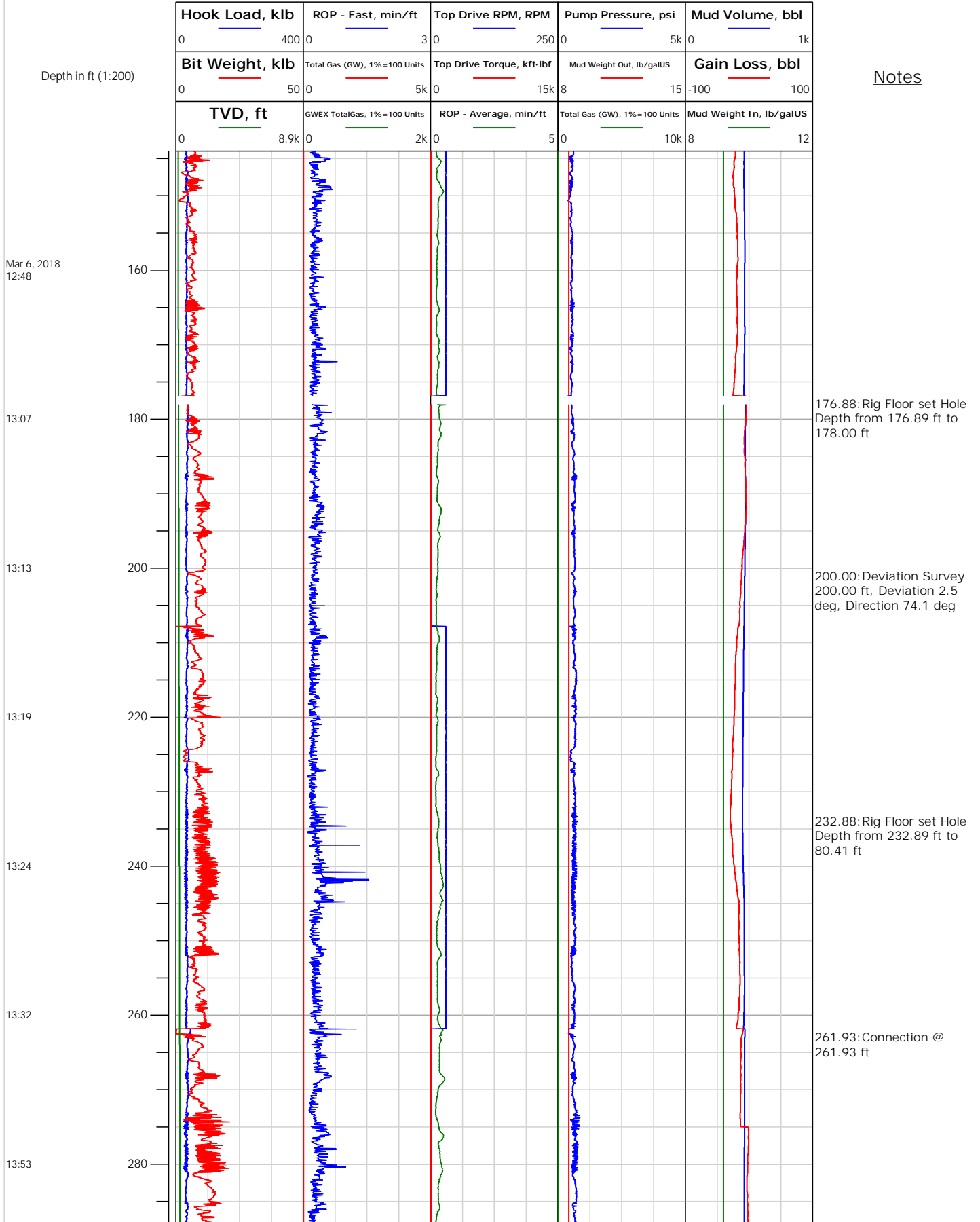
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes







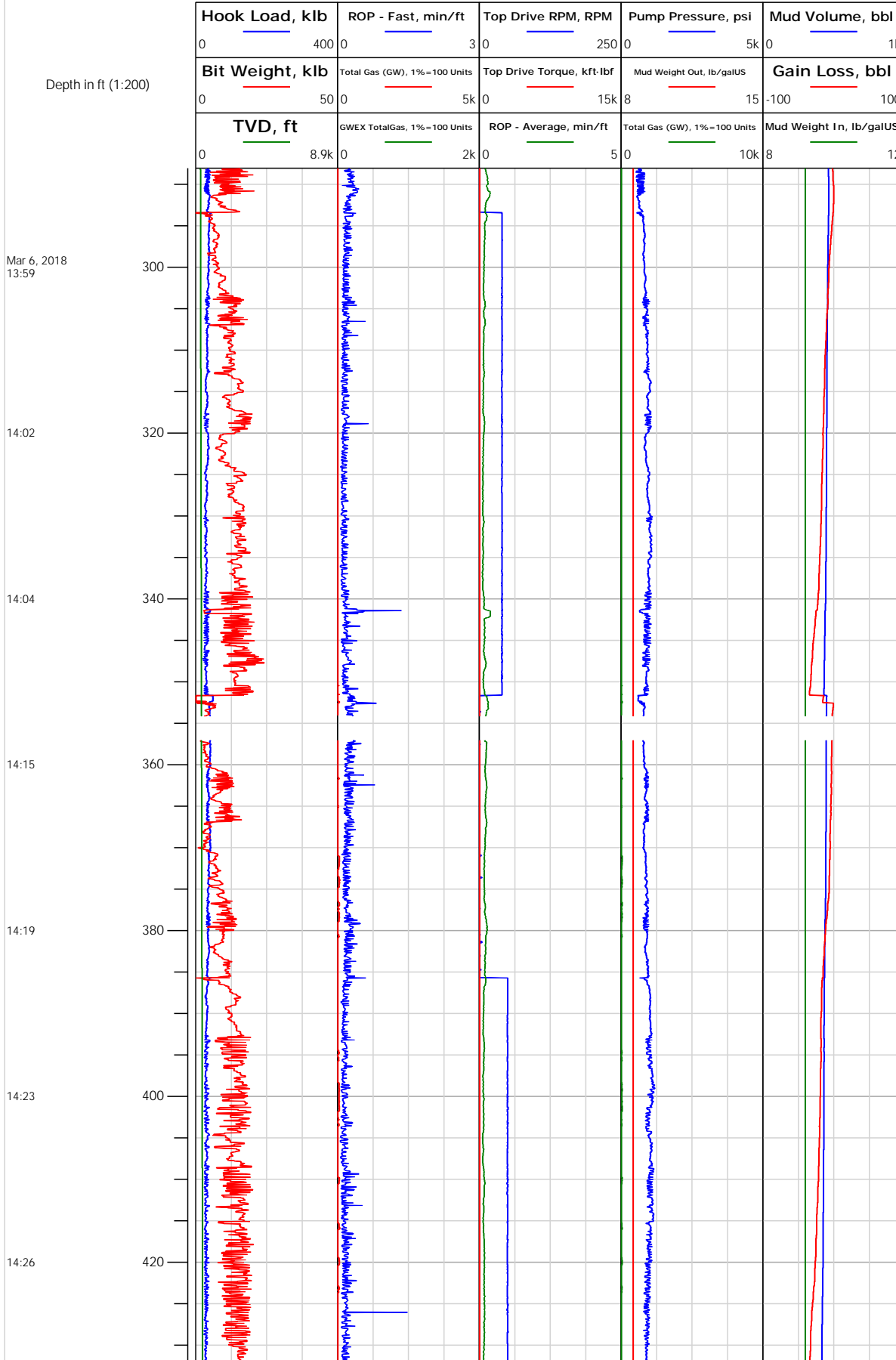
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes



290.00: Deviation Survey  
290.00 ft, Deviation 4.7 deg, Direction 74.1 deg

350.54: MD IN WT 9.0/42  
VIS OUT WT 9.05/44 VIS  
351.69: Connection @  
351.69 ft  
354.10: Rig Floor set Hole  
Depth from 353.86 ft to  
357.00 ft

380.00: Deviation Survey  
380.00 ft, Deviation 6.8 deg, Direction 80.5 deg



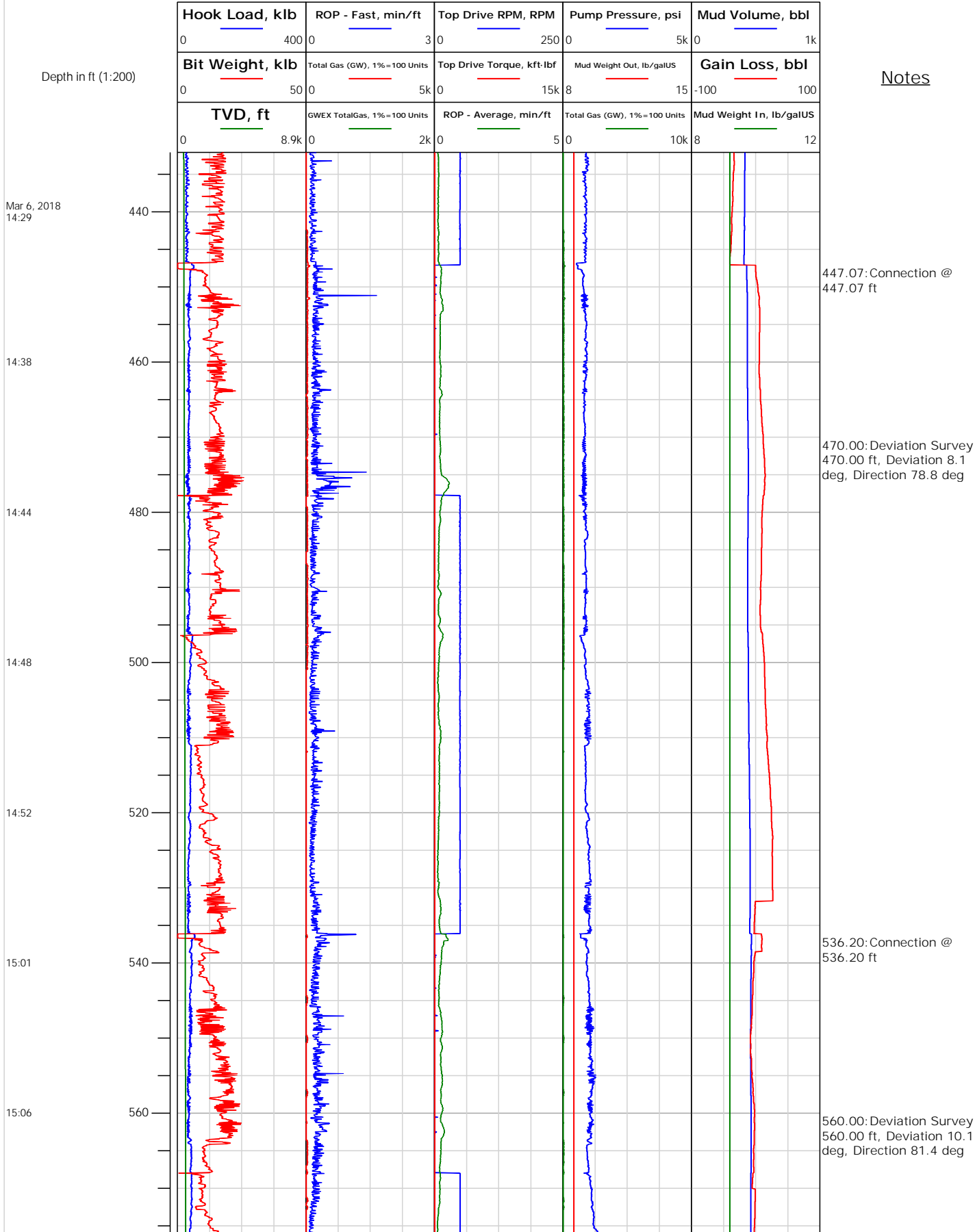
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





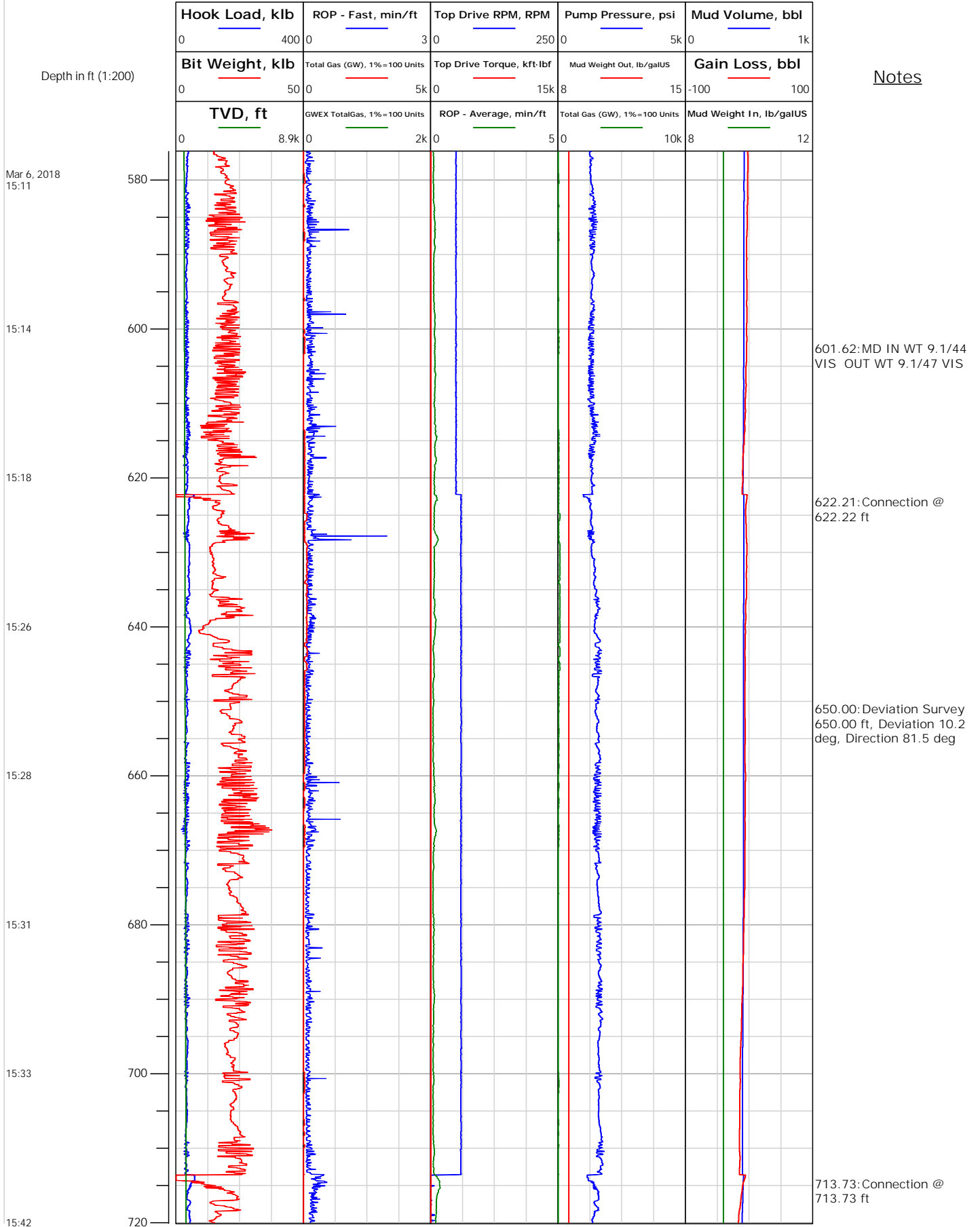
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





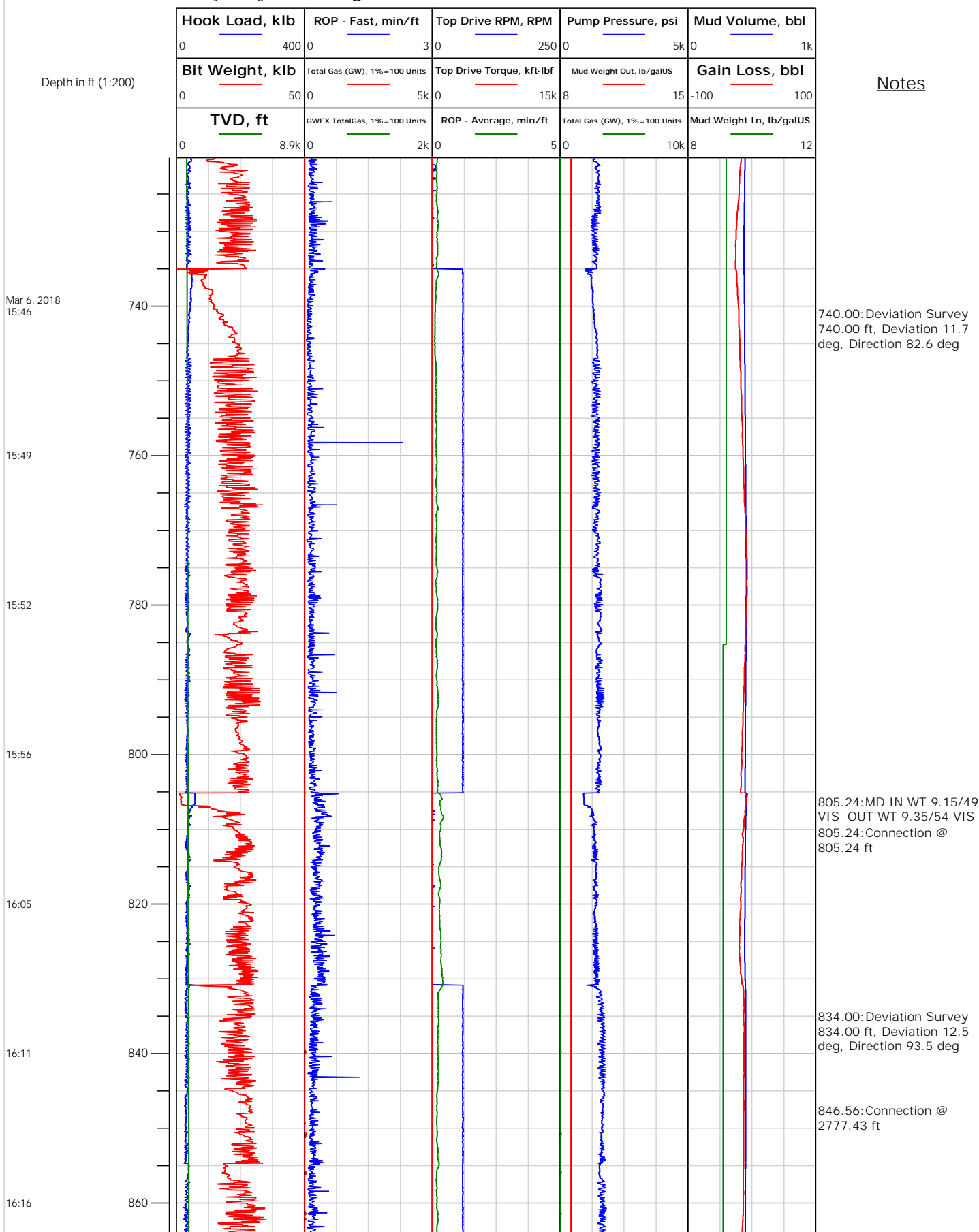
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





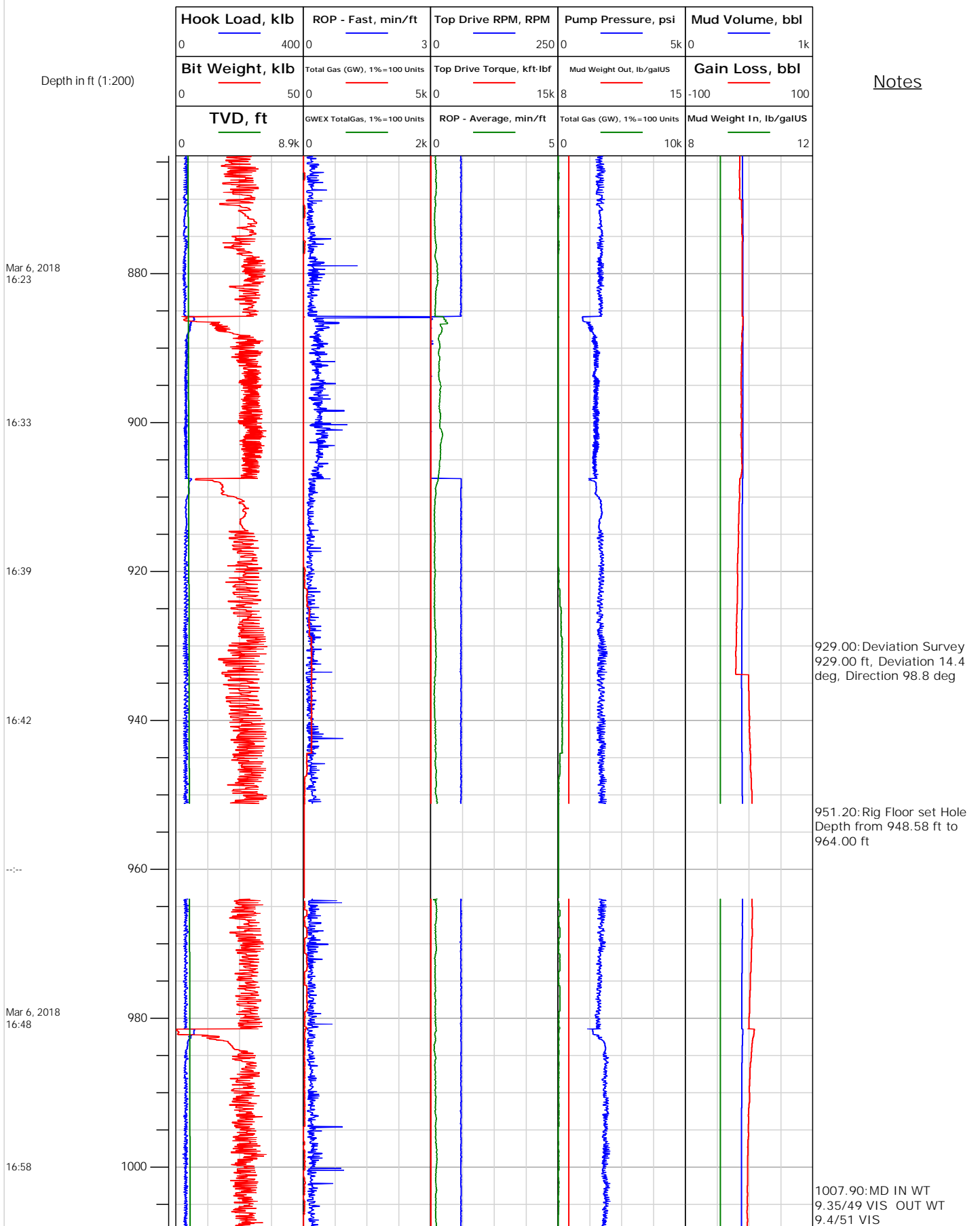
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





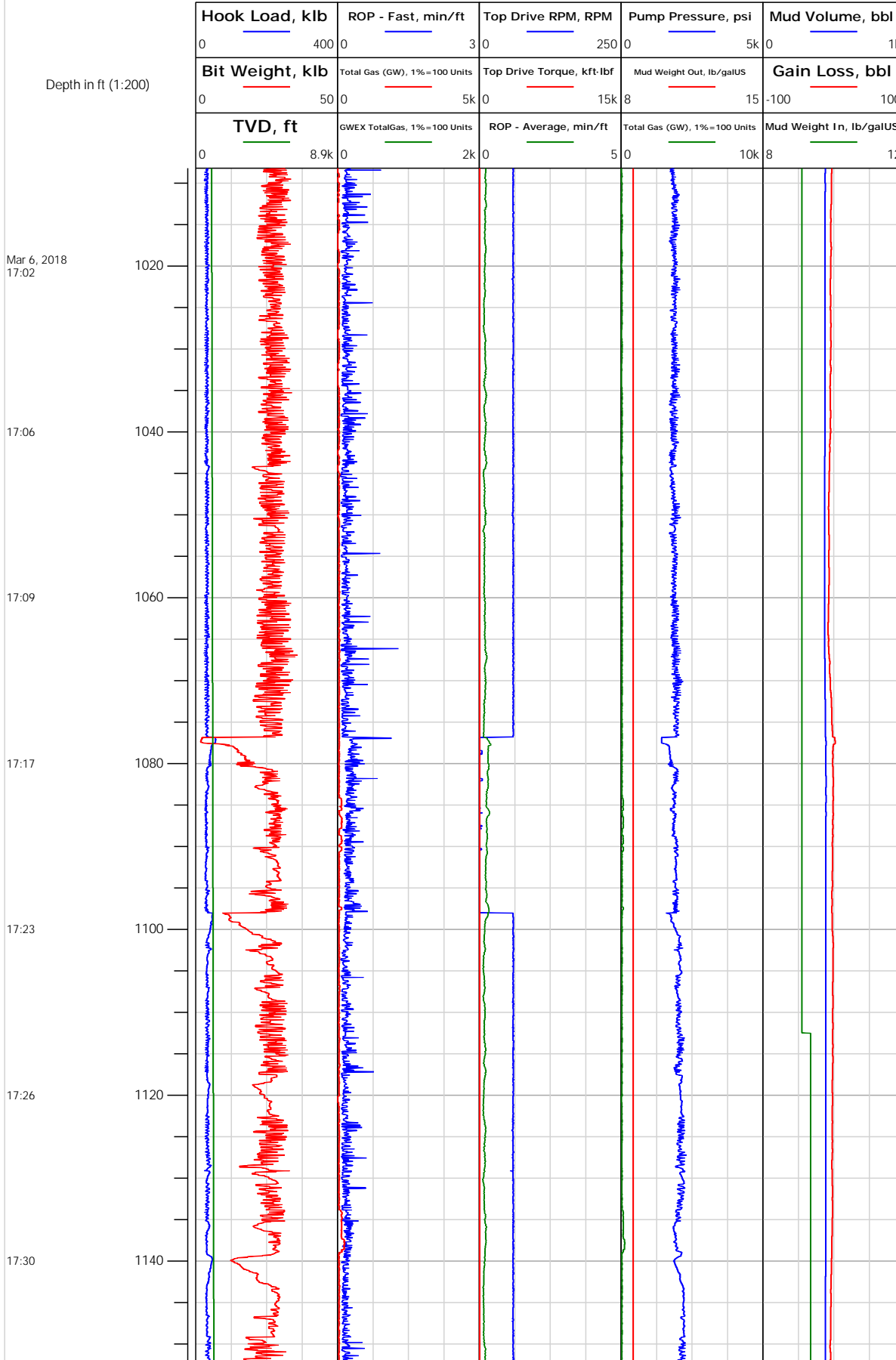
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes



1023.00: Deviation Survey  
1023.00 ft, Deviation 14.2 deg, Direction 101.2 deg

1118.00: Deviation Survey  
1118.00 ft, Deviation 14.9 deg, Direction 93.8 deg



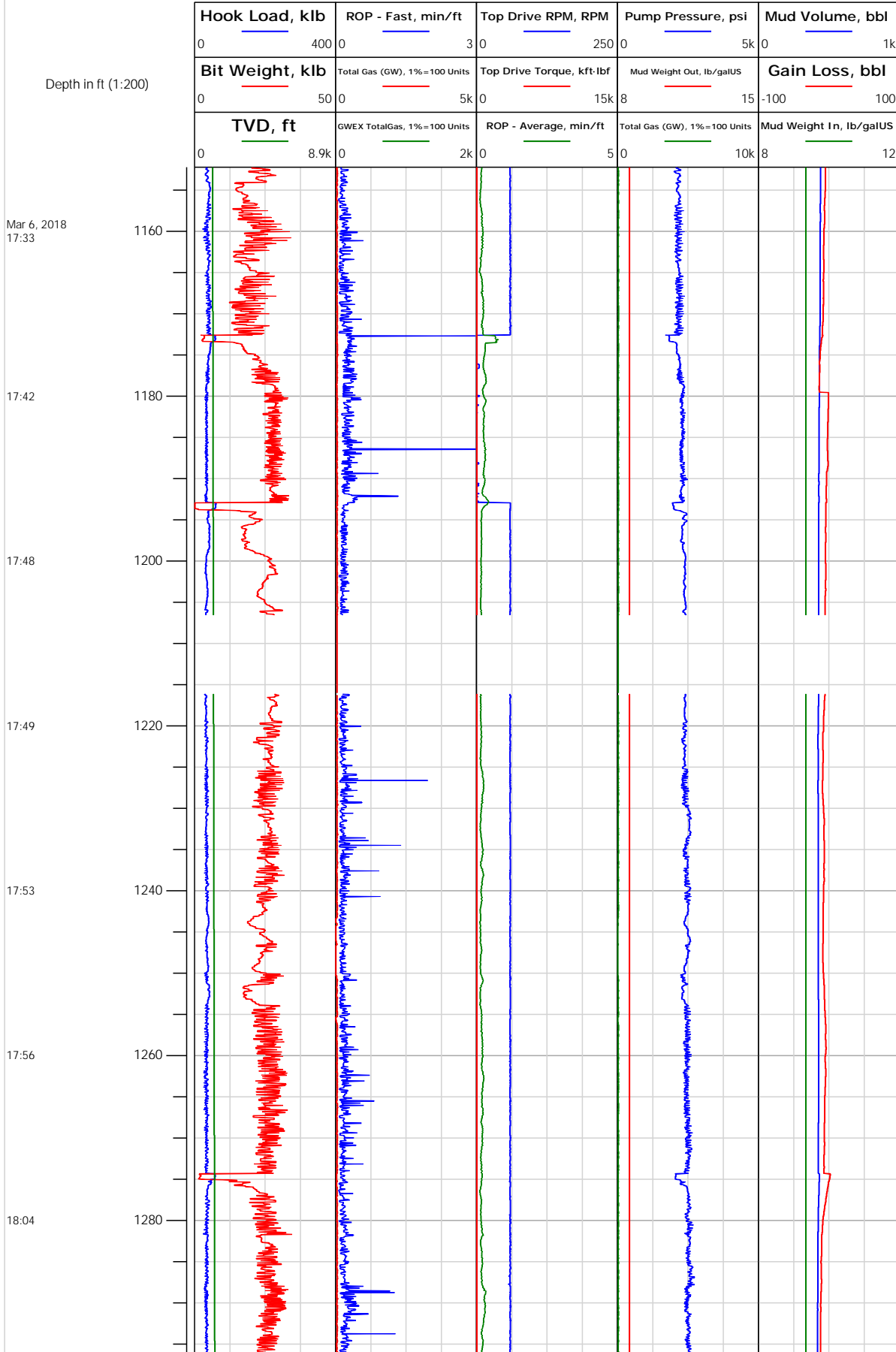
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes



1206.46: Rig Floor set Hole  
Depth from 1202.13 ft to  
1216.00 ft  
1212.00: Deviation Survey  
1212.00 ft, Deviation 16.9  
deg, Direction 94.4 deg



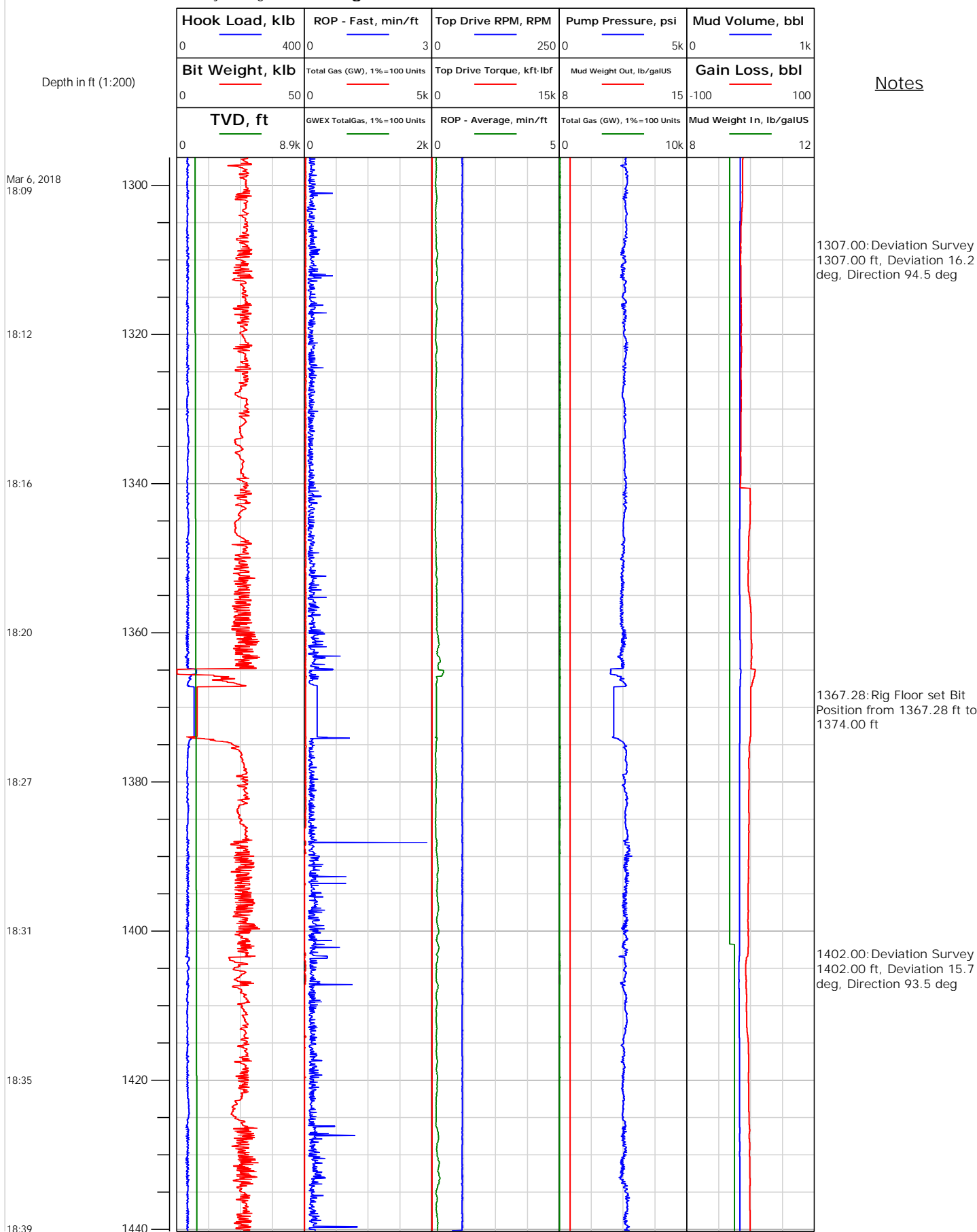
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**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes







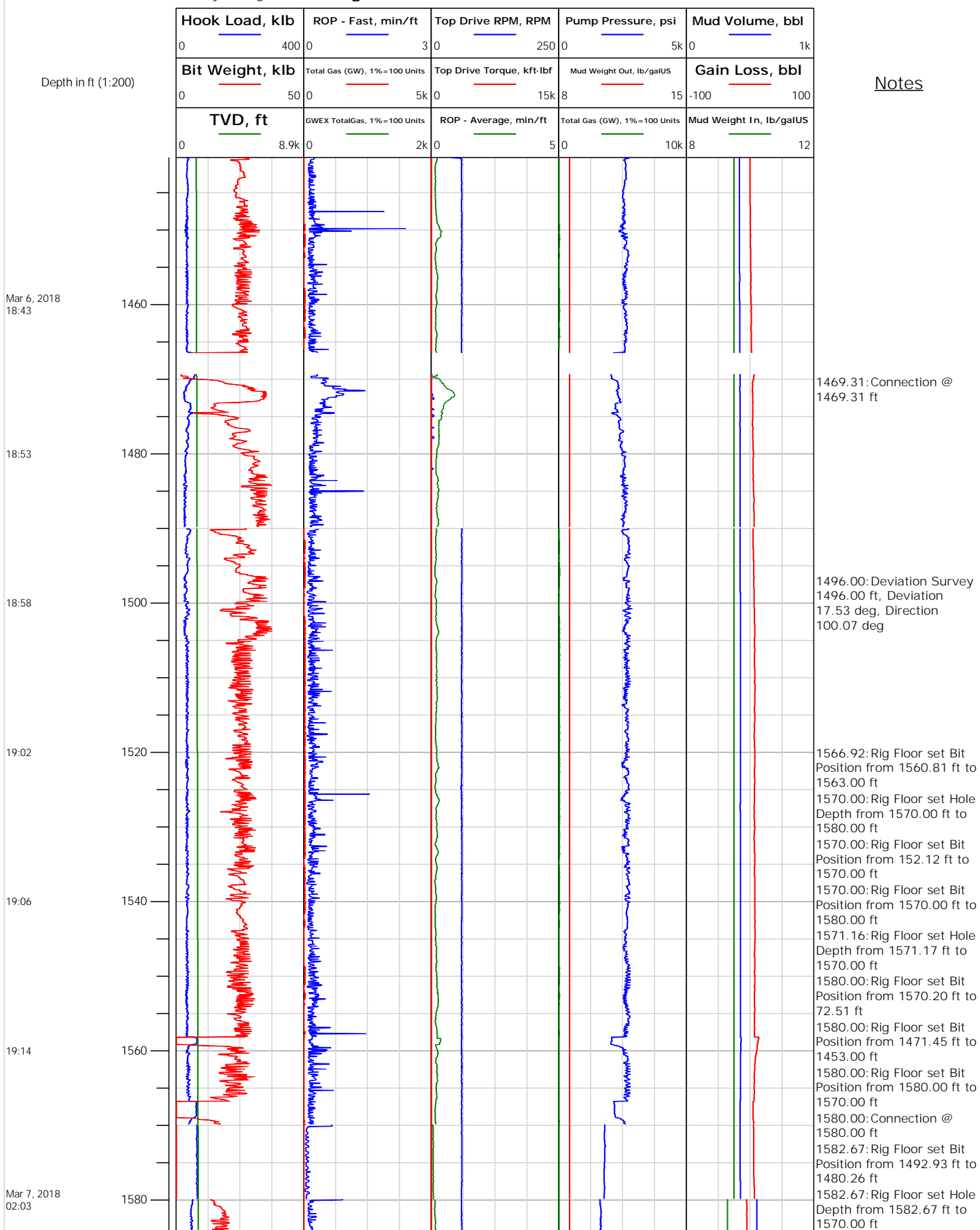
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





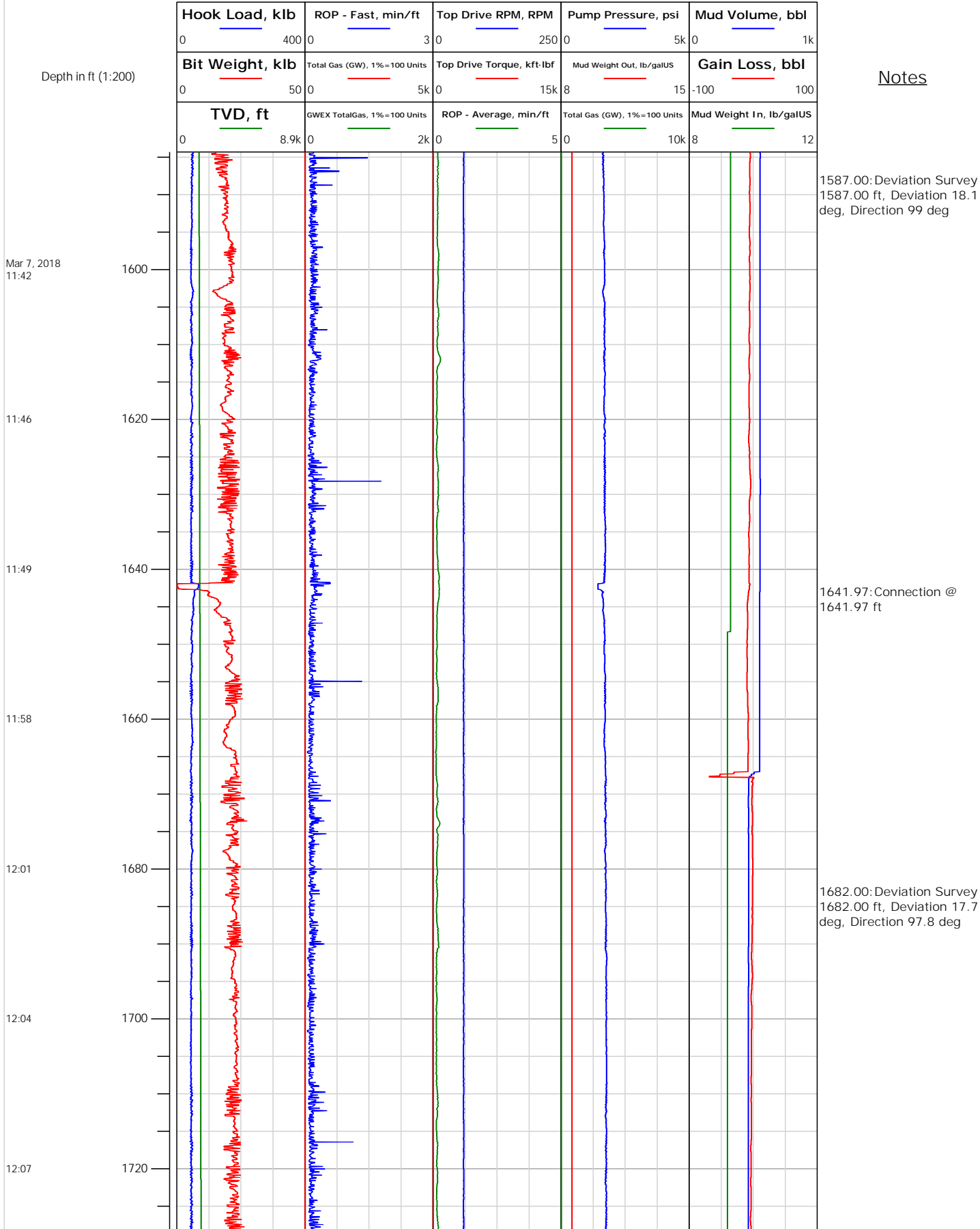
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**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





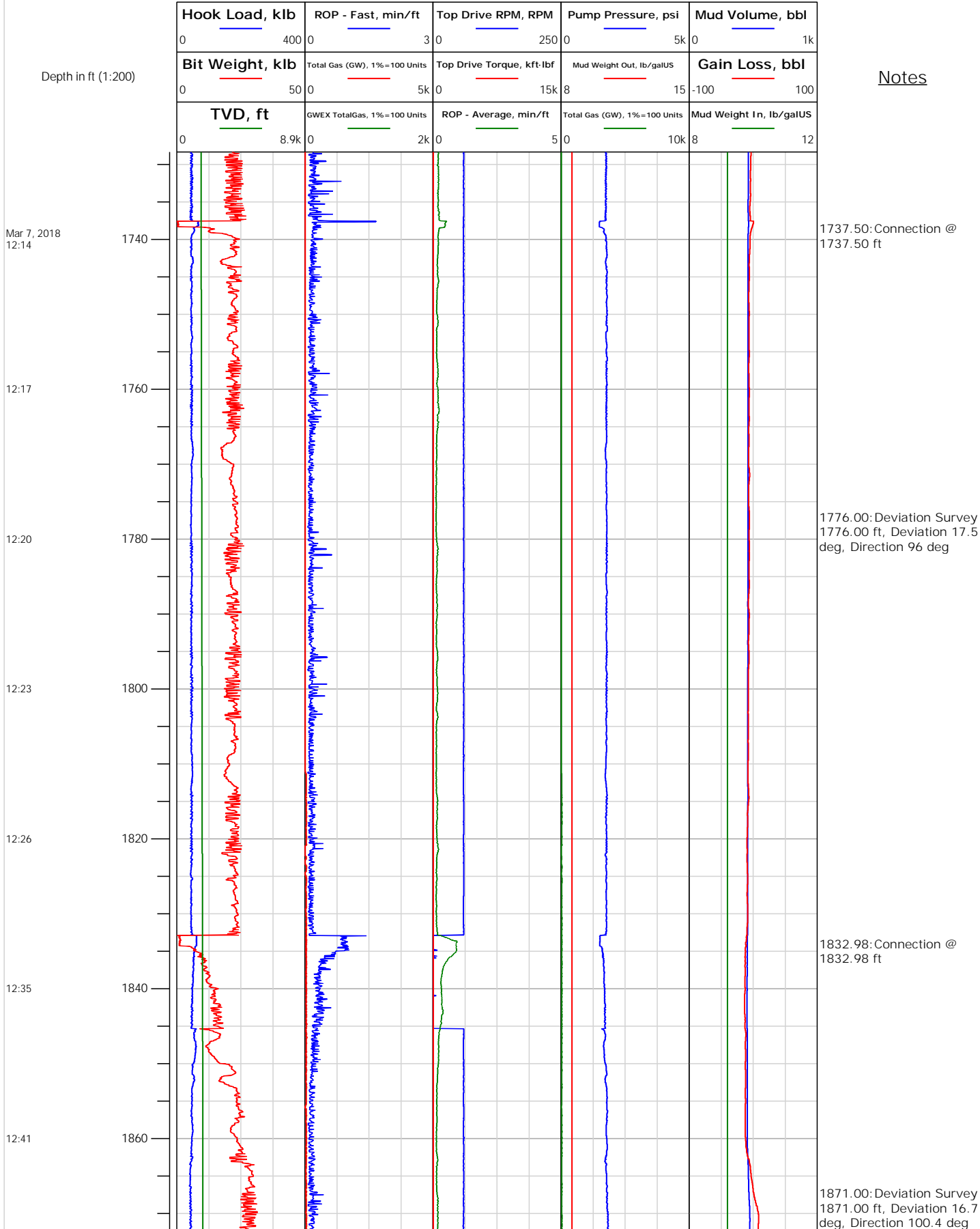
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**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





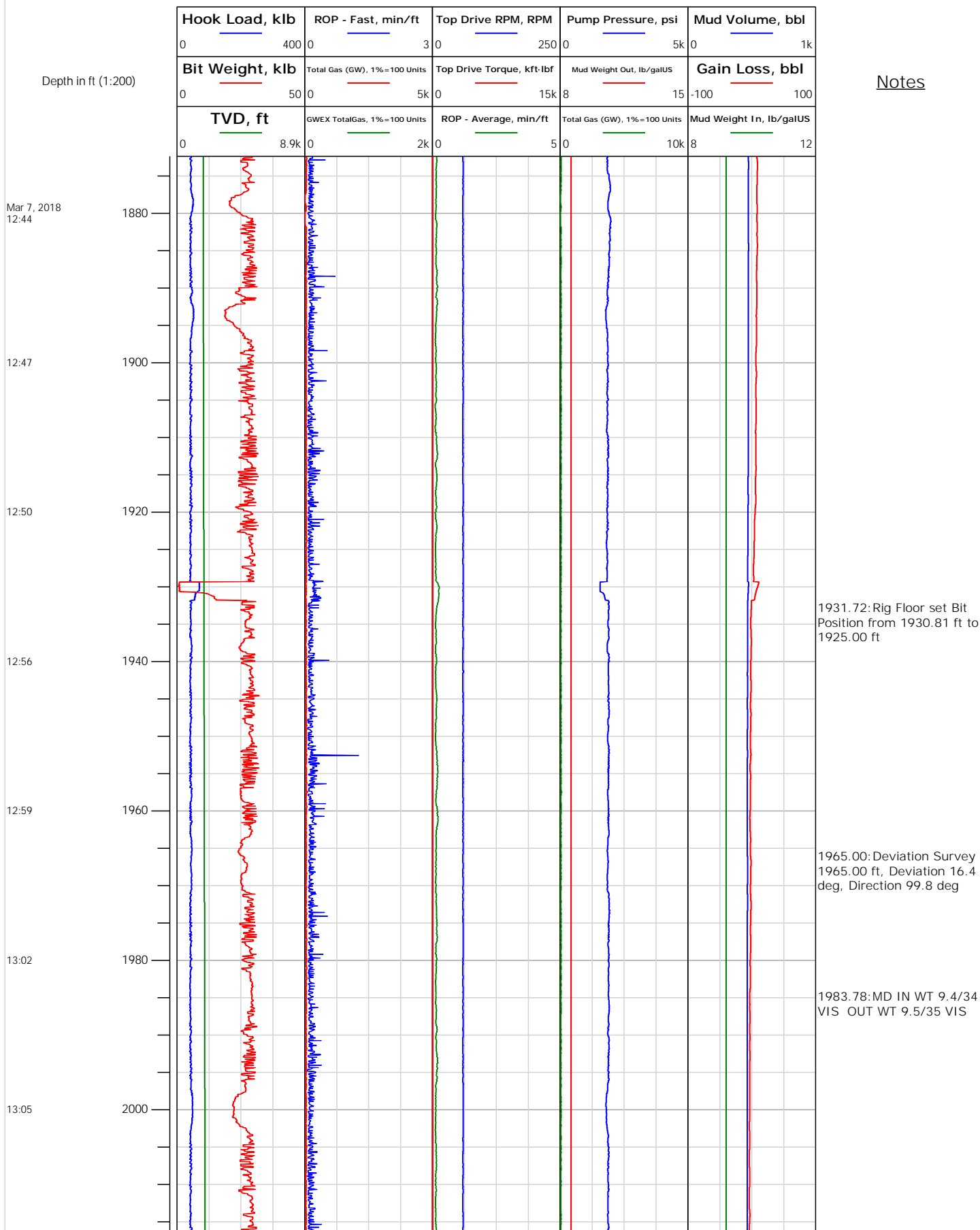
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

Notes





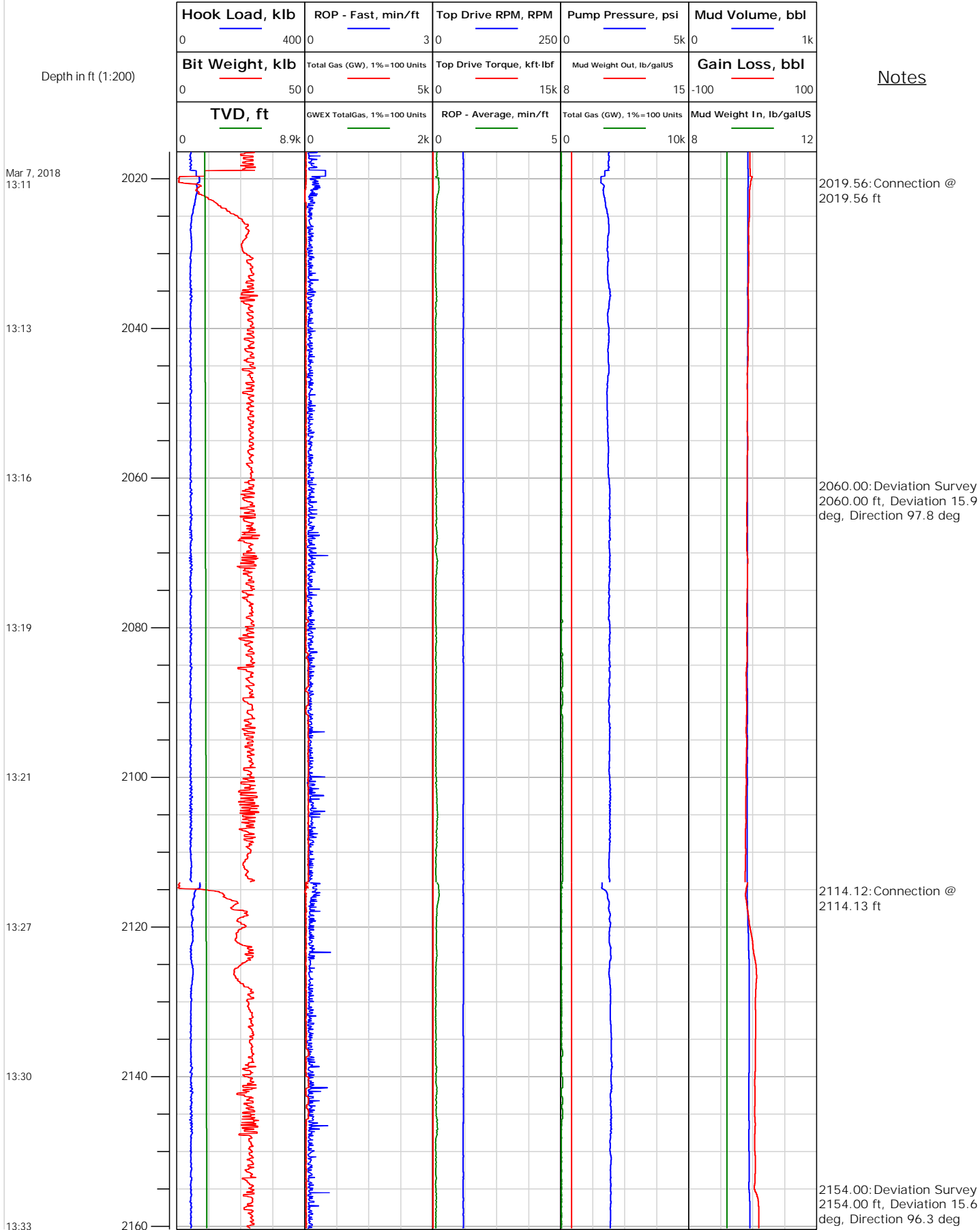
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





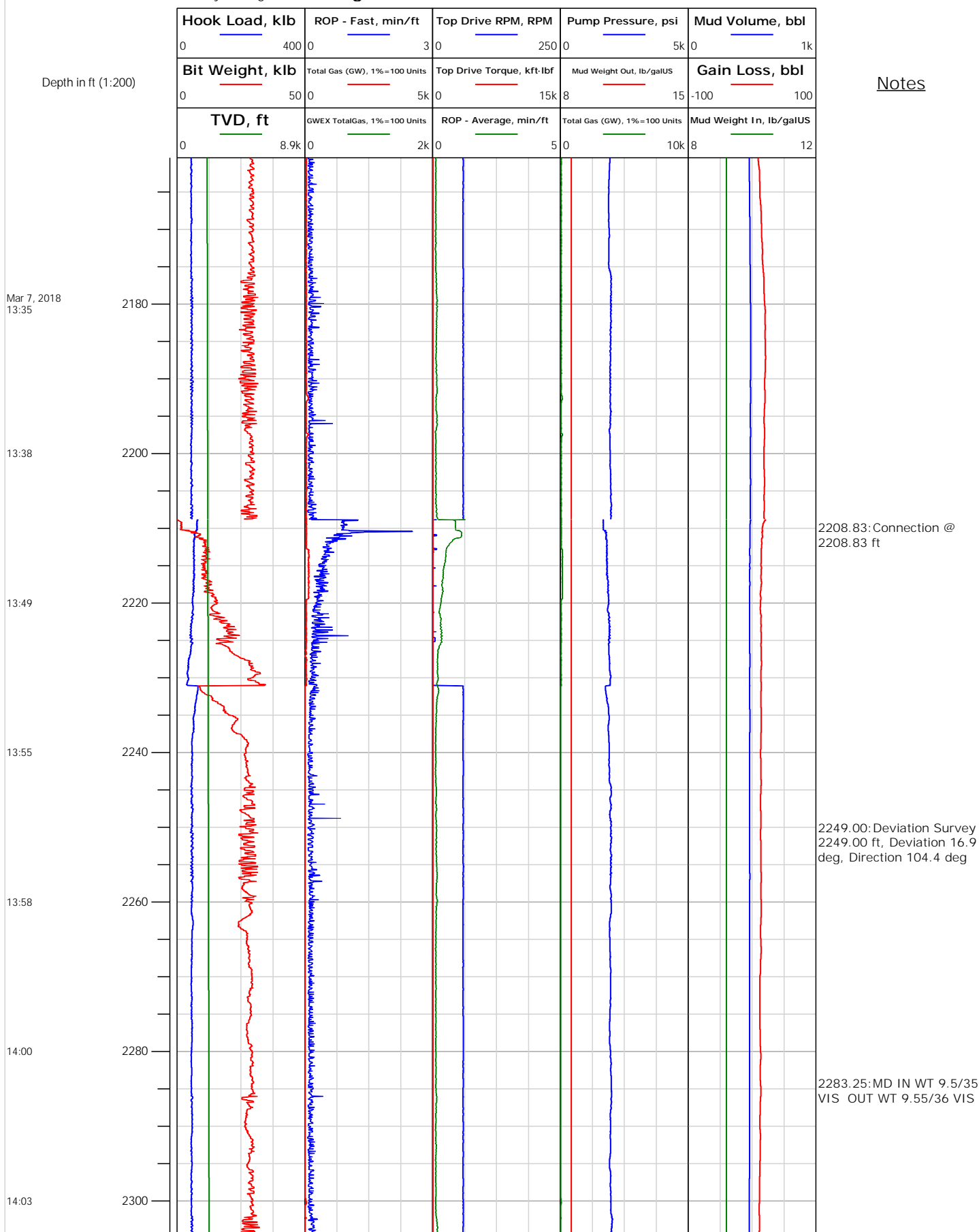
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes

Depth in ft (1:200)

Mar 7, 2018  
14:09

14:12

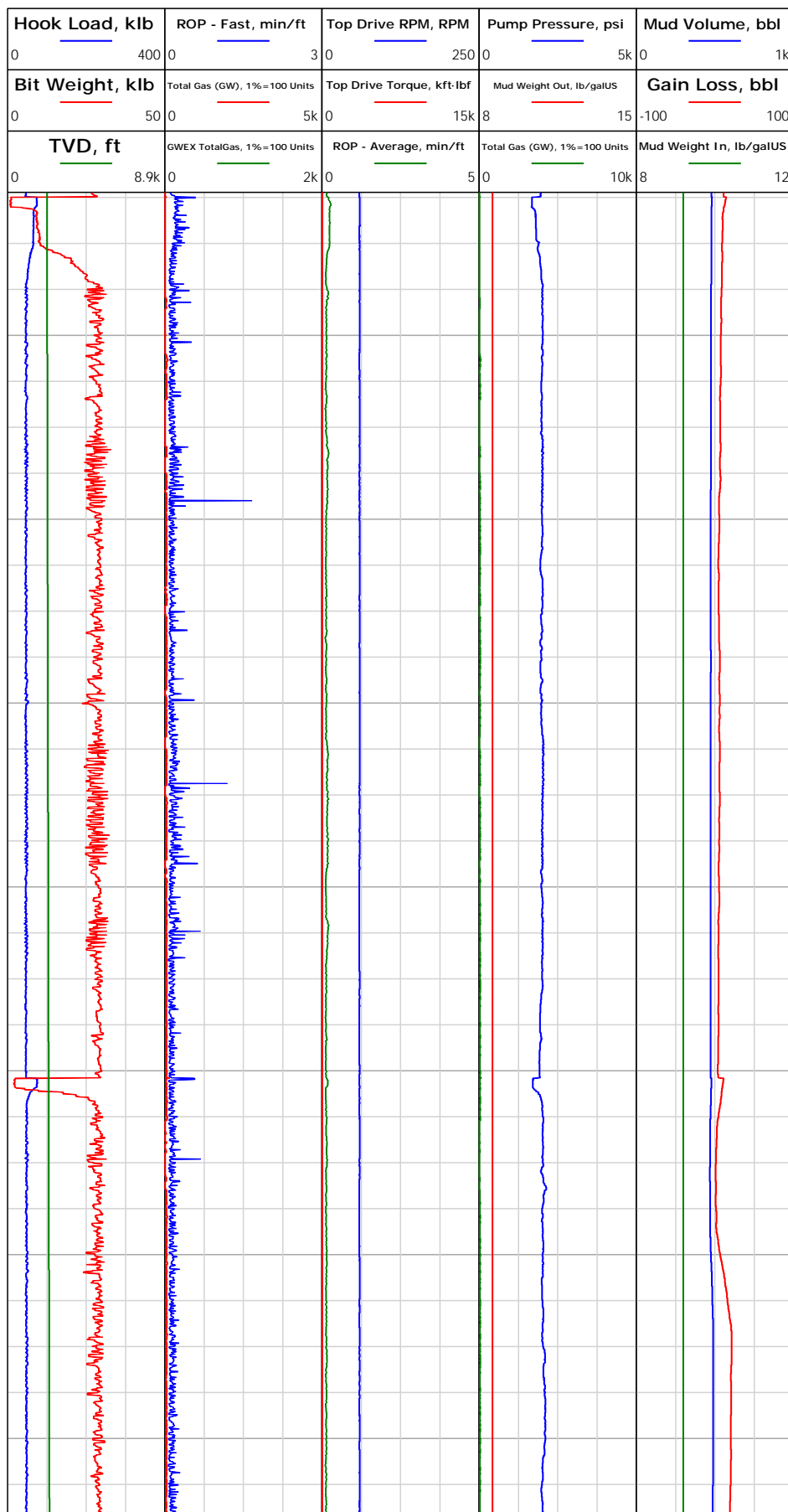
14:15

14:18

14:20

14:26

14:28



2304.92: Connection @  
2304.92 ft

2343.00: Deviation Survey  
2343.00 ft, Deviation 16.2  
deg, Direction 102.1 deg

2400.94: Connection @  
2400.94 ft

2438.00: Deviation Survey  
2438.00 ft, Deviation 15.3  
deg, Direction 101.2 deg



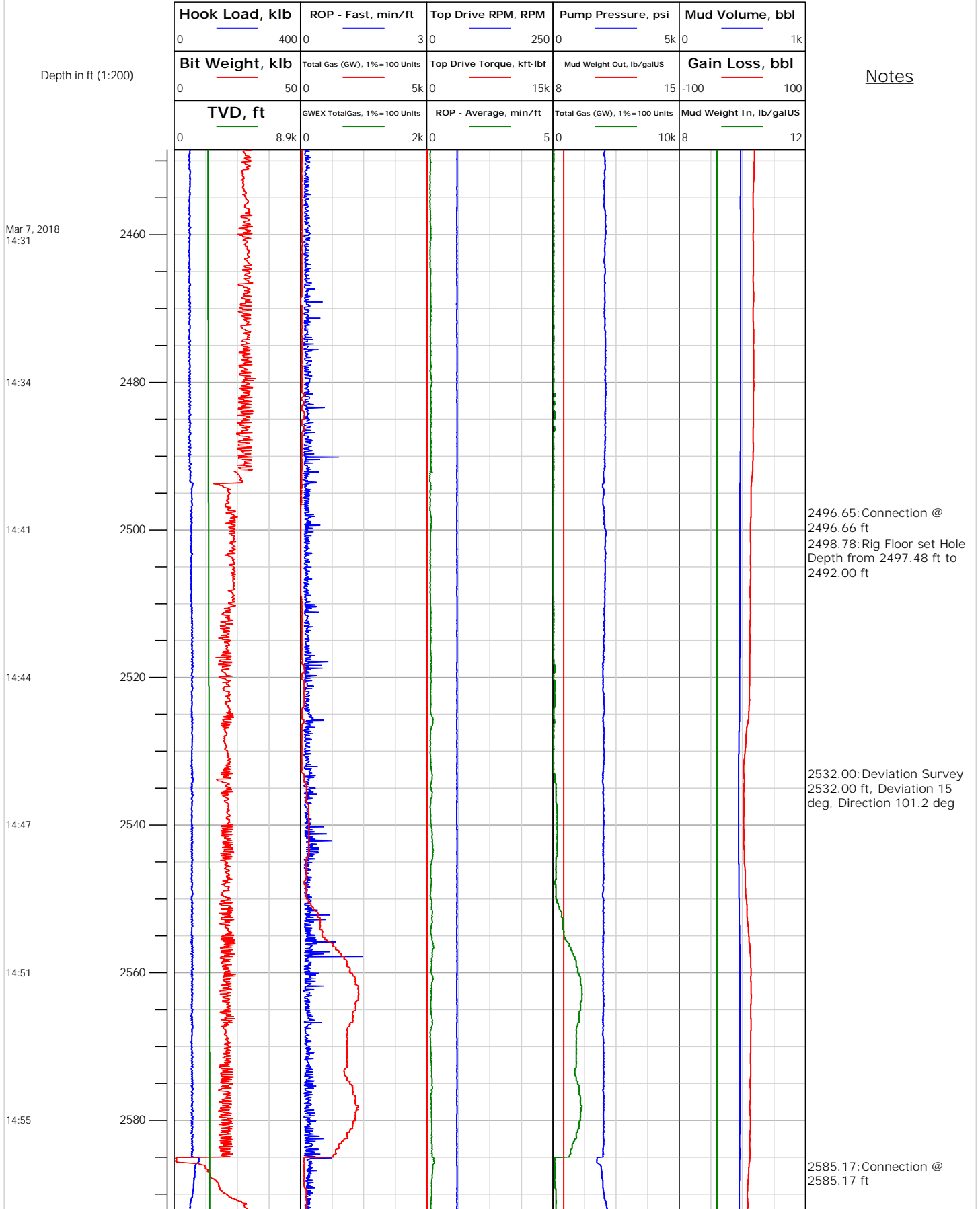
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

Notes







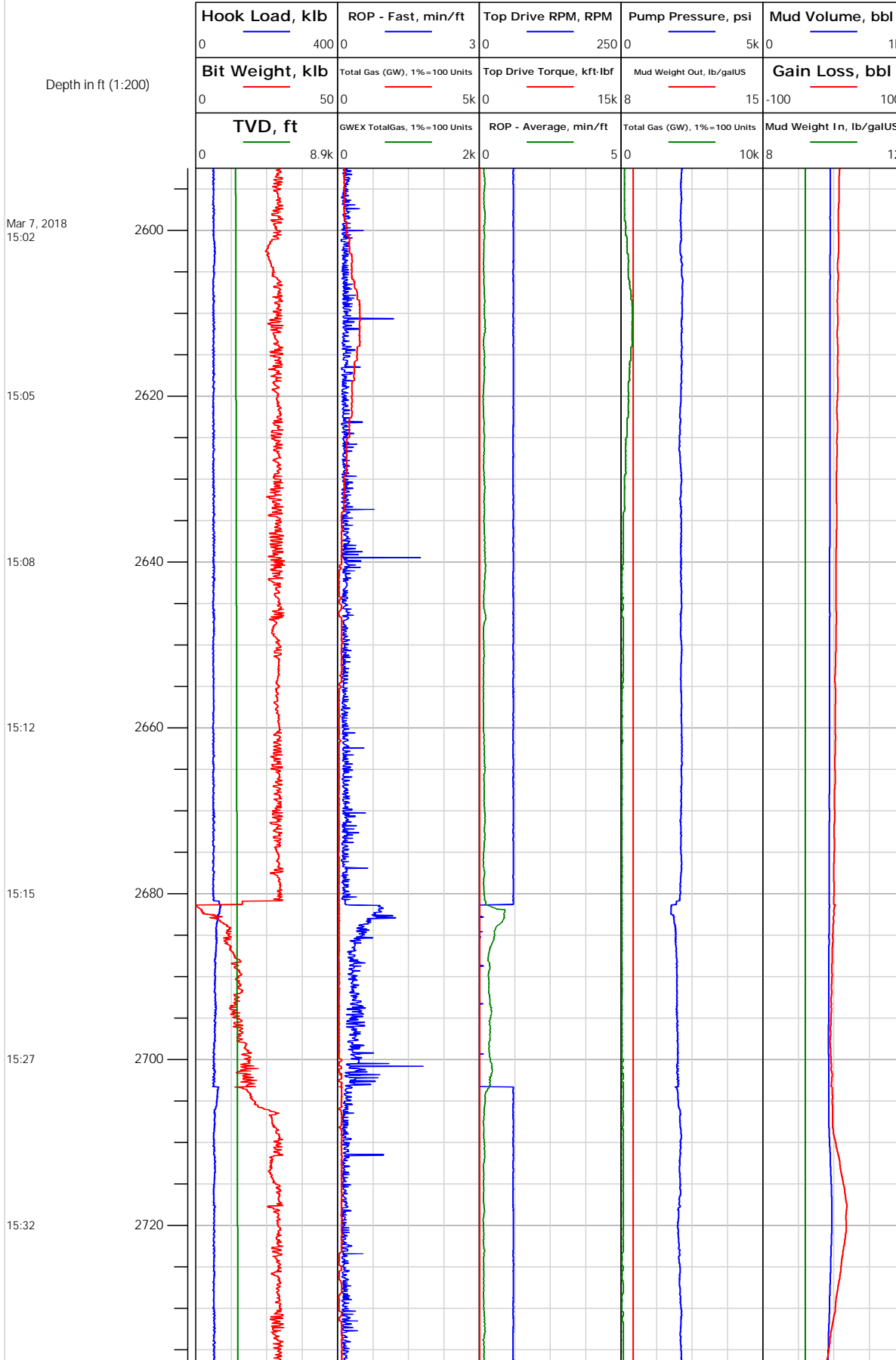
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes



2622.14:MD IN WT  
9.55/37 VIS OUT WT  
9.7/37 VIS PH 10.1 BOTH  
CENTRIFUGE ON ACTIVE  
2627.00: Deviation Survey  
2627.00 ft, Deviation 14.6  
deg, Direction 100.8 deg

2681.41: Connection @  
2681.41 ft

2721.00: Deviation Survey  
2721.00 ft, Deviation 17.2  
deg, Direction 100 deg



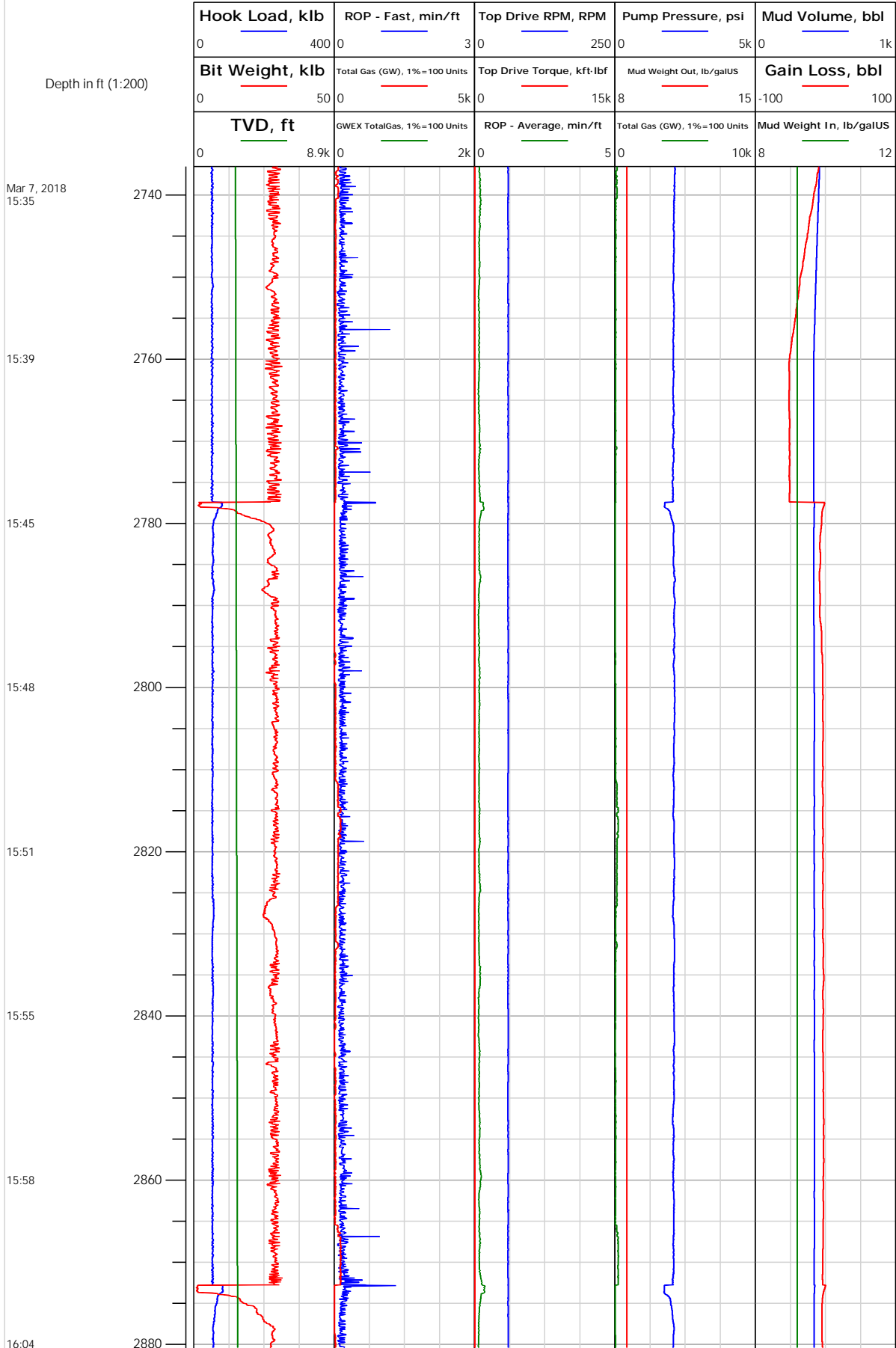
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

Notes





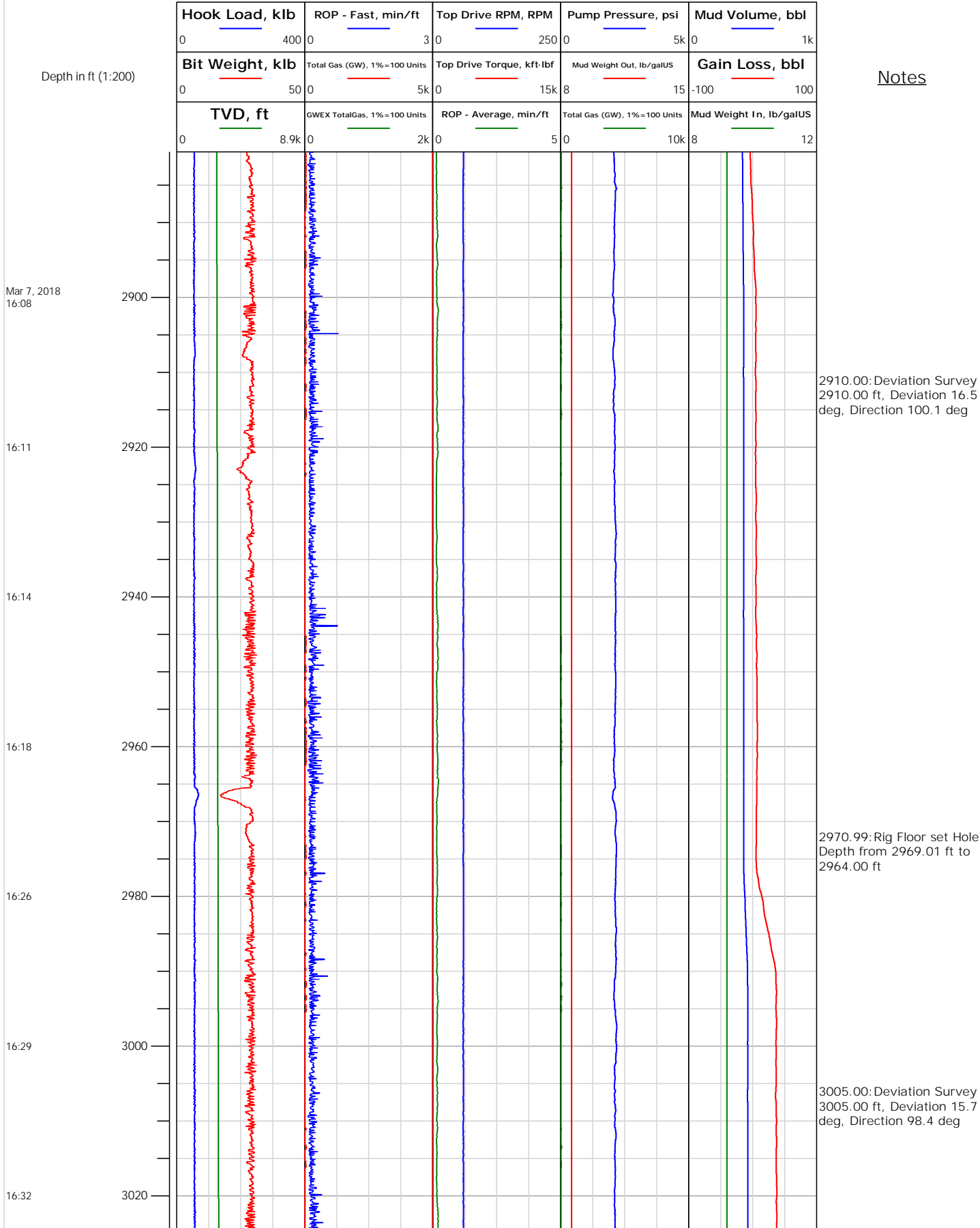
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





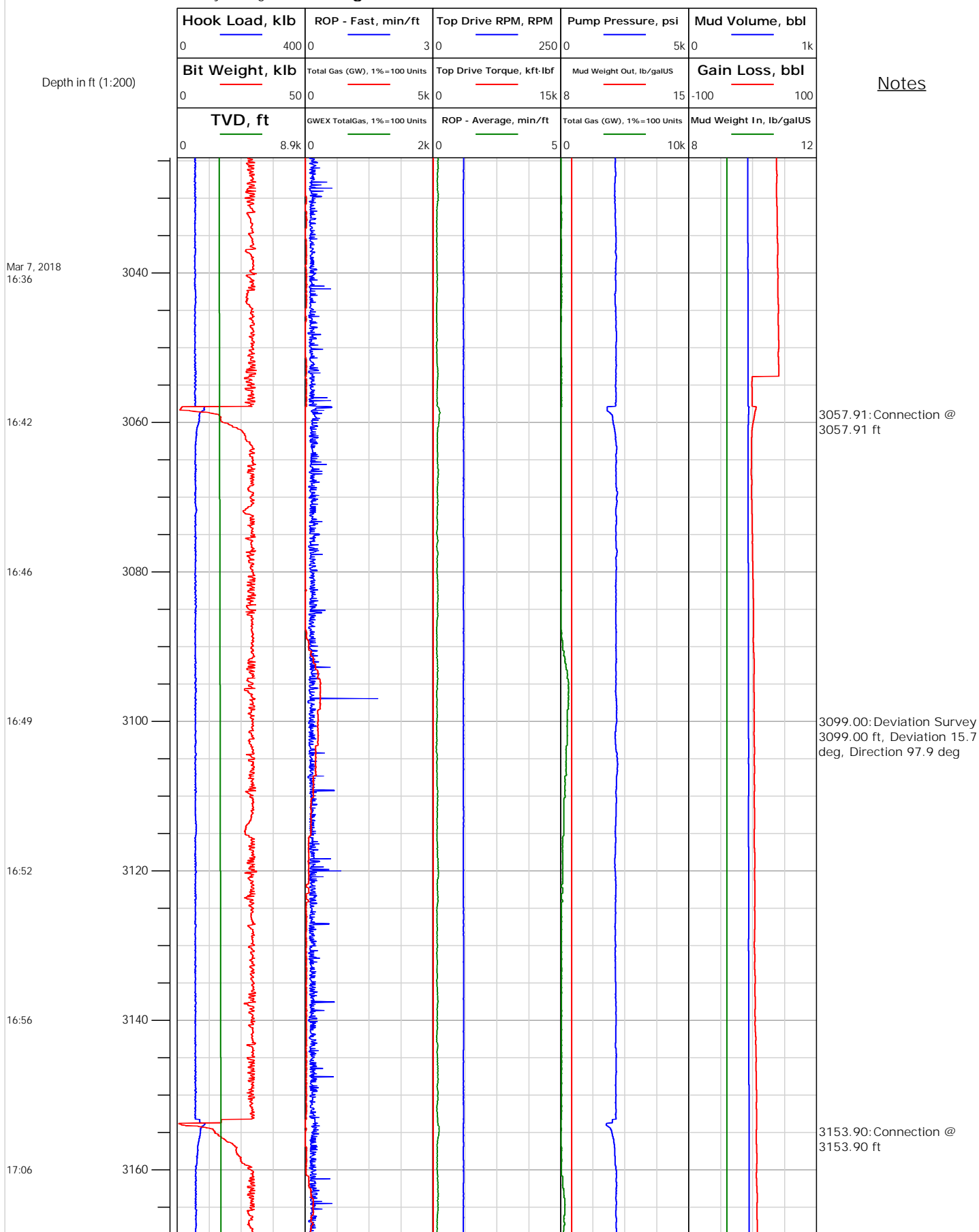
## Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 0994-24-11E  
Rig: 290

Location: SE/4 of NW/4

Notes





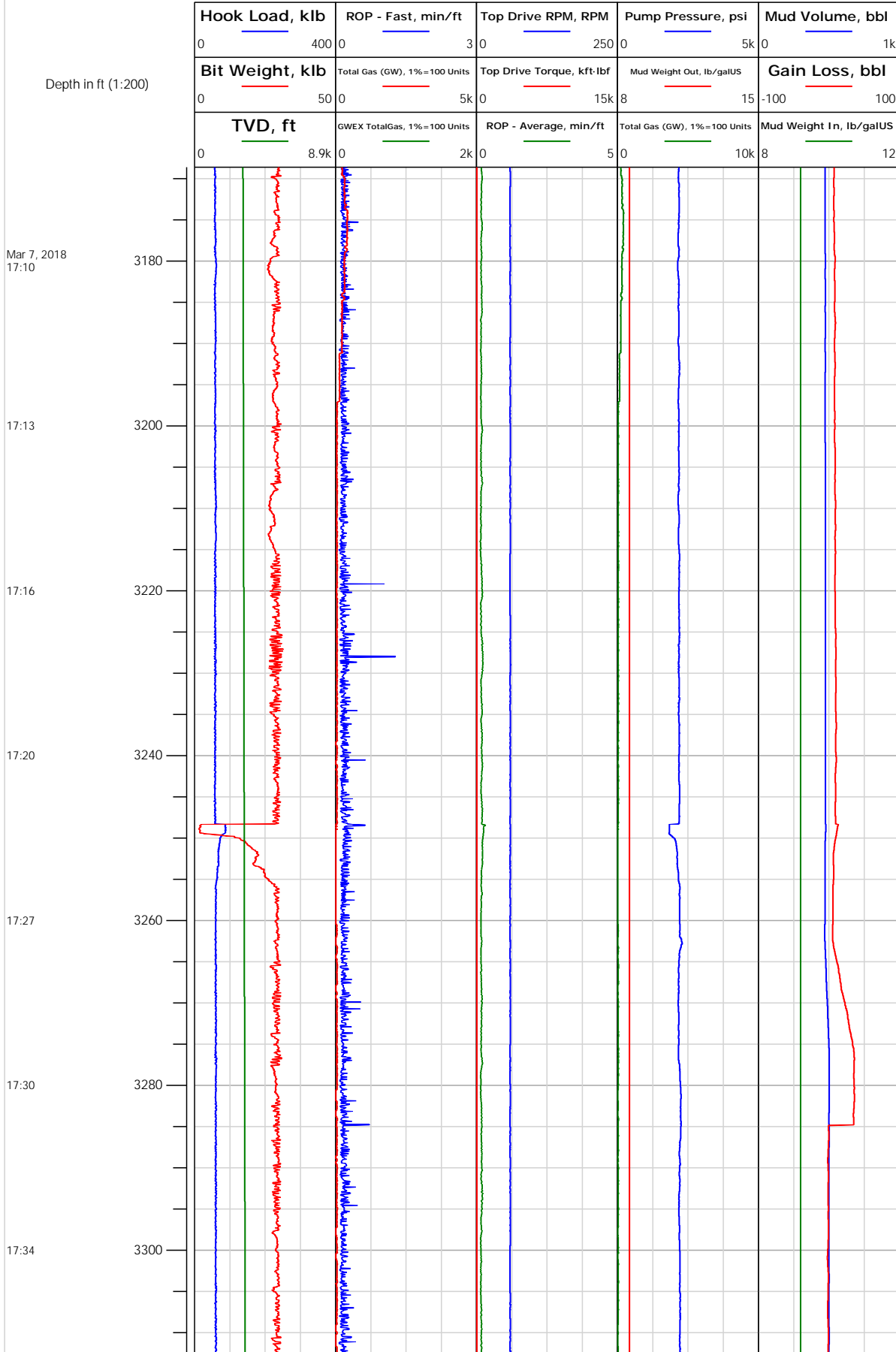
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





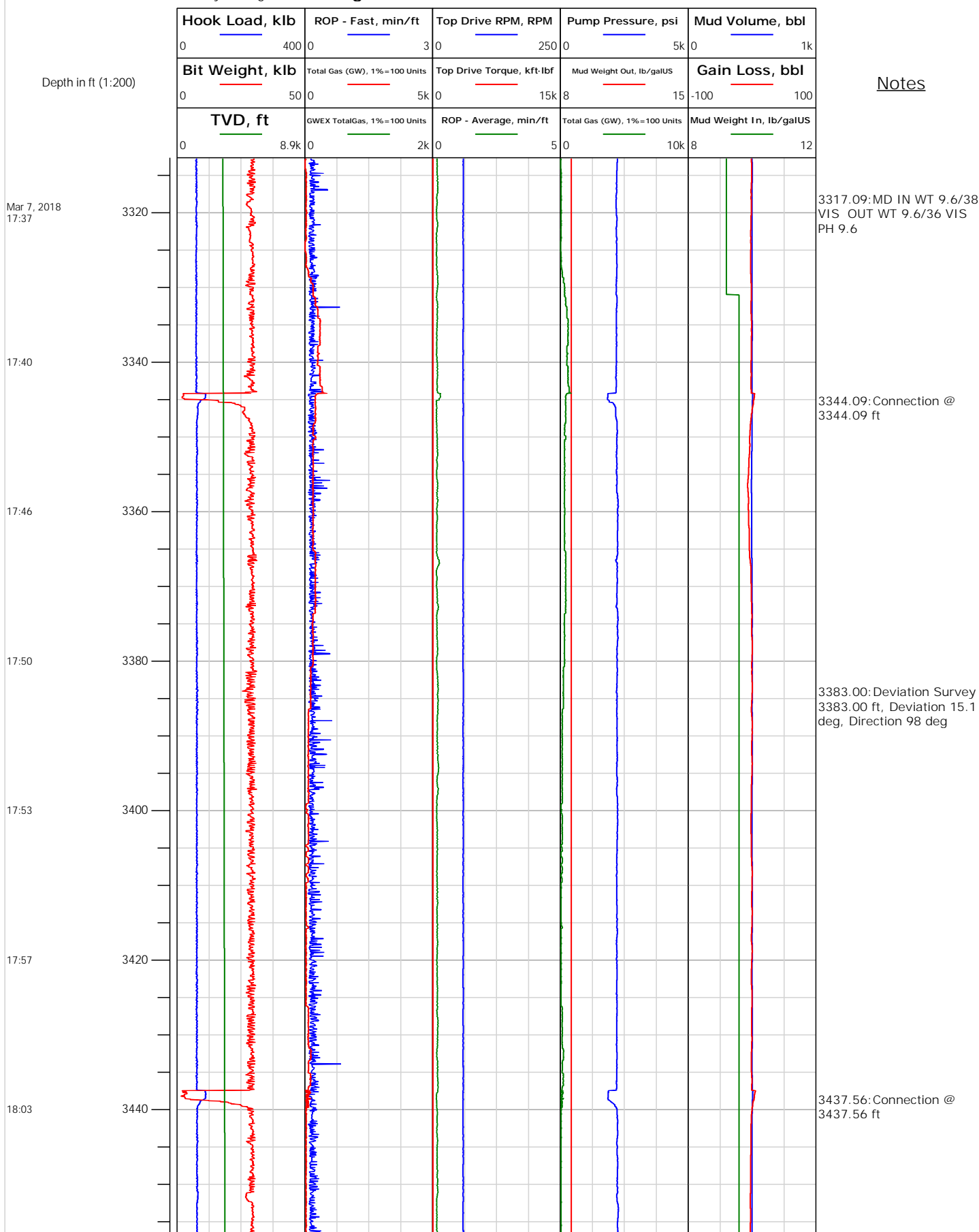
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**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





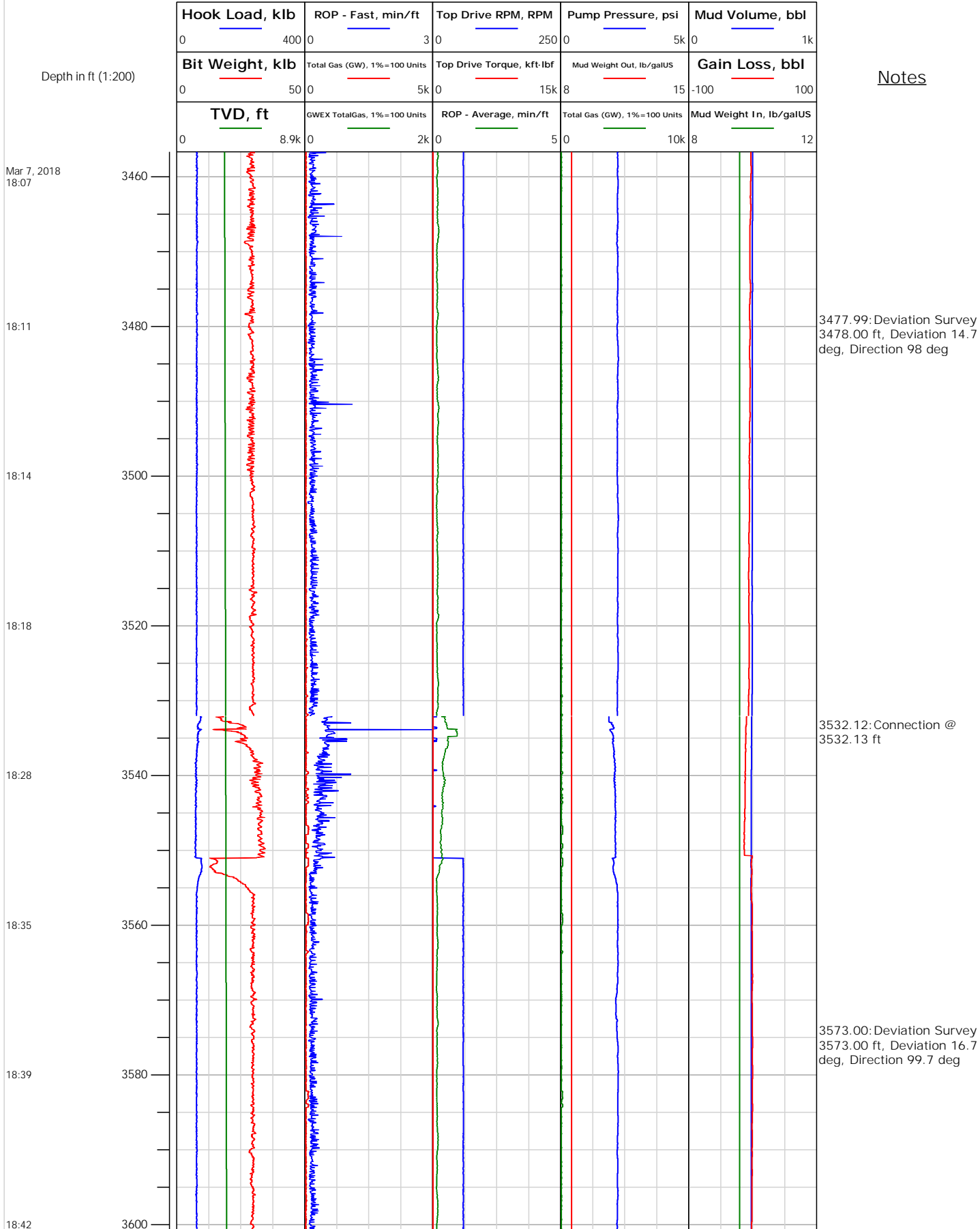
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**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





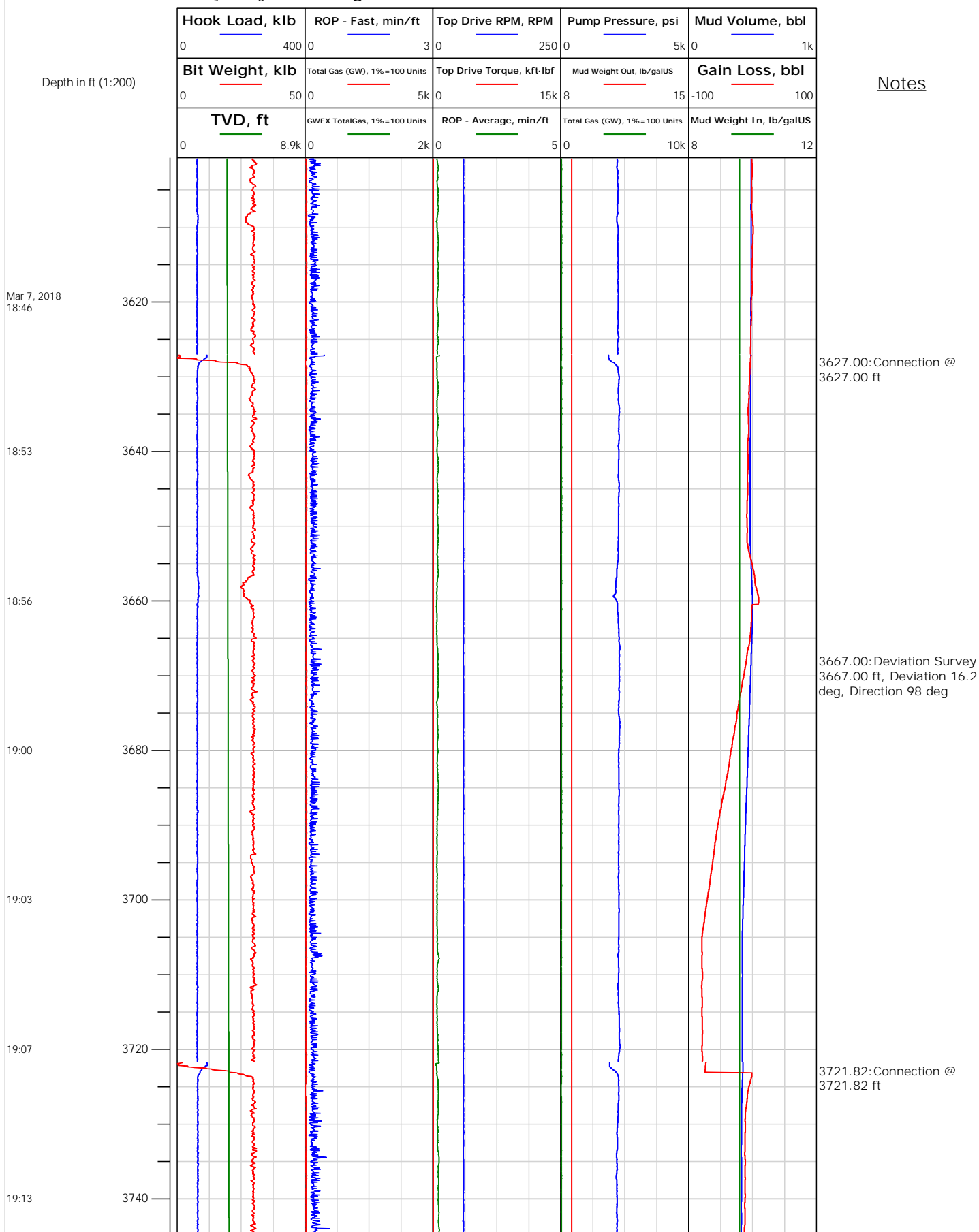
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes







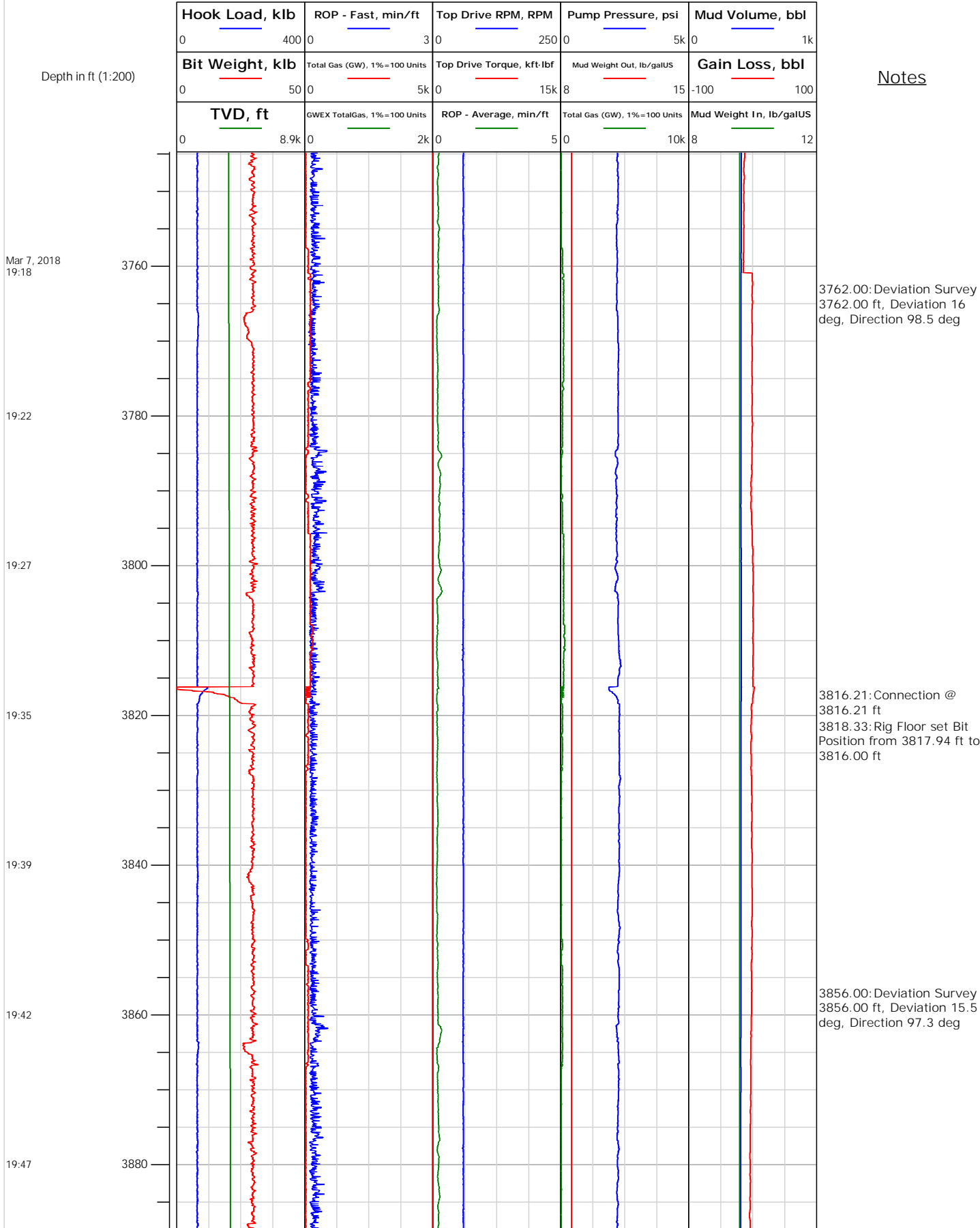
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes

Depth in ft (1:200)

Mar 7, 2018  
19:51

19:59

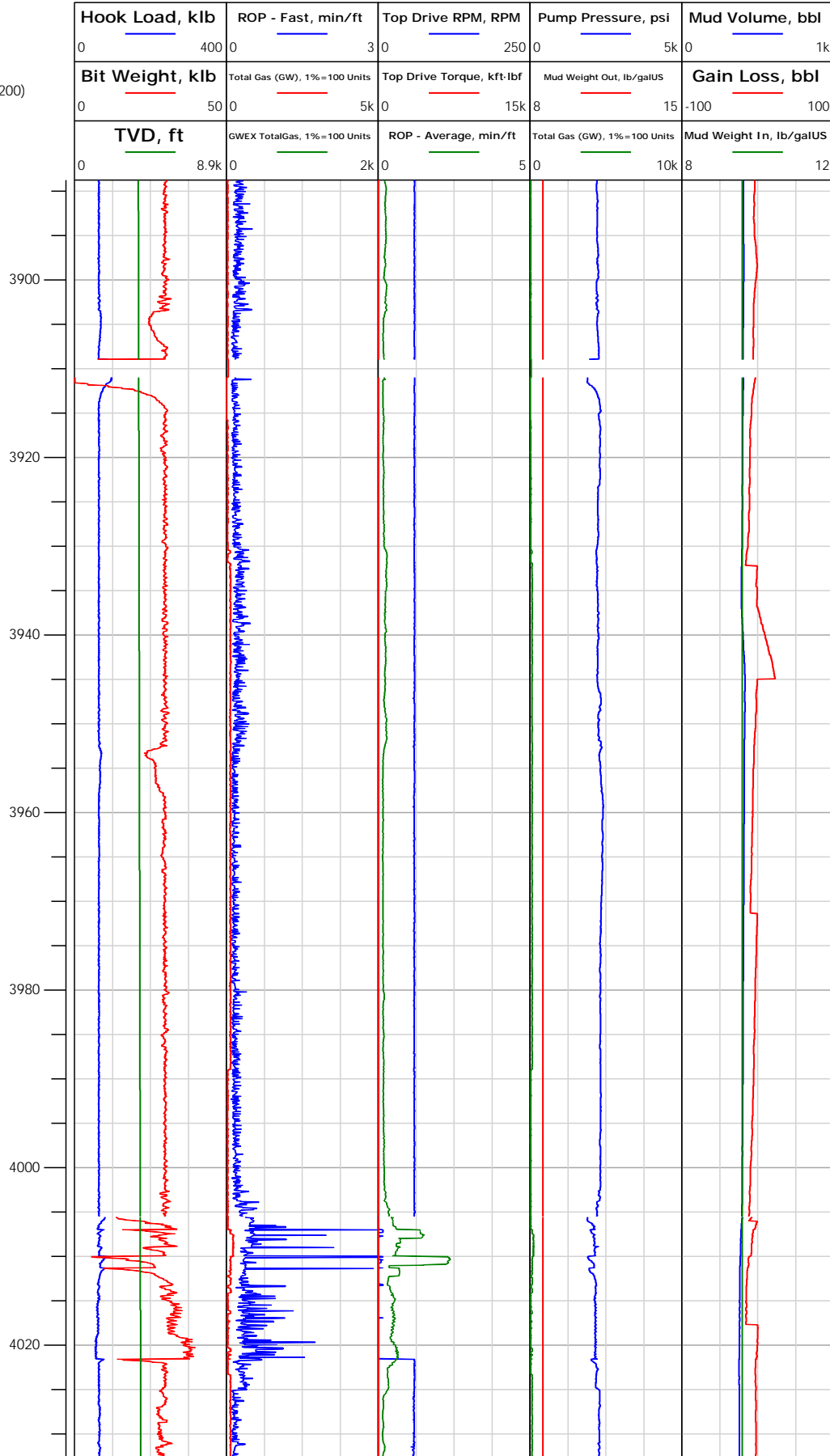
20:03

20:07

20:10

20:14

20:28





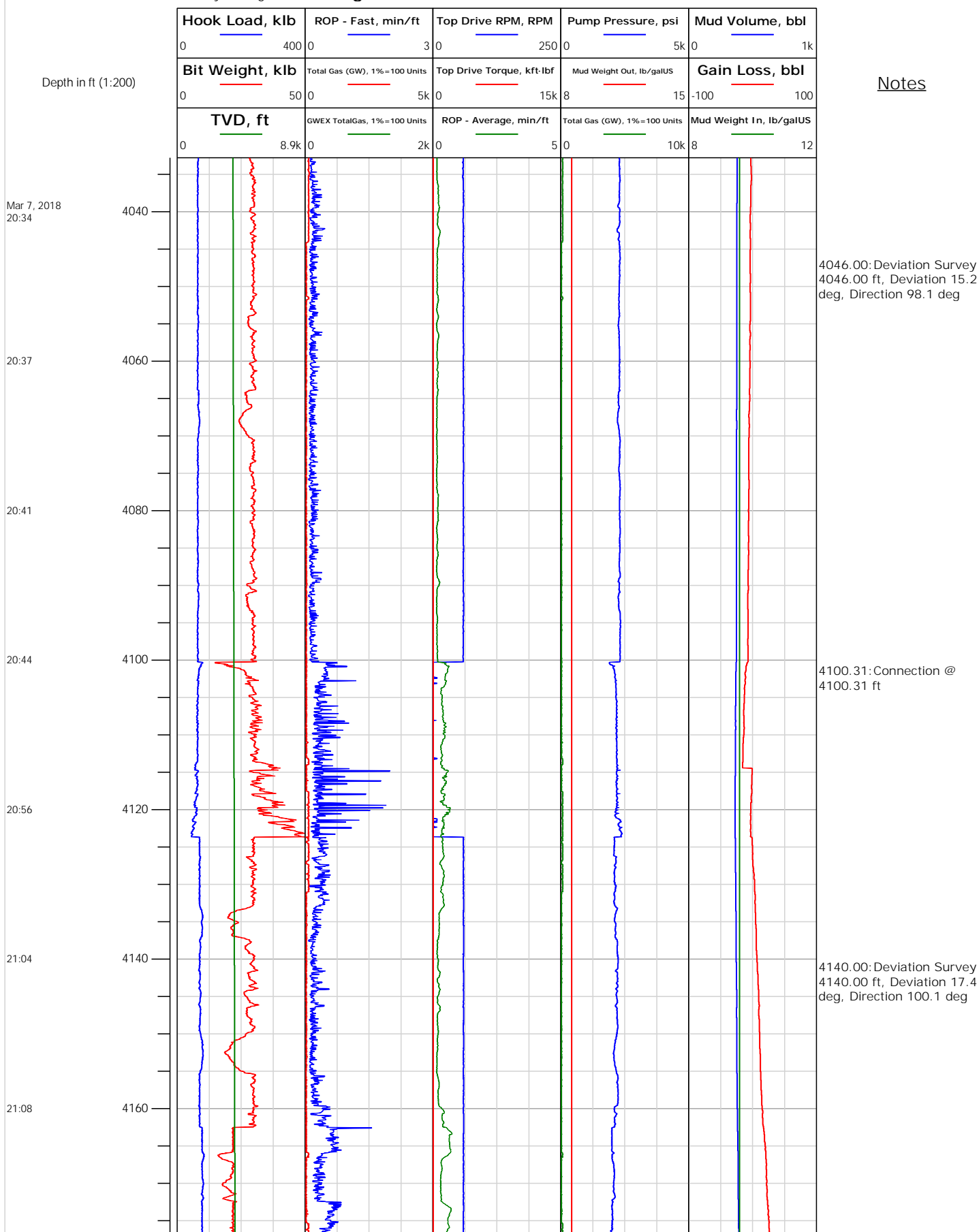
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





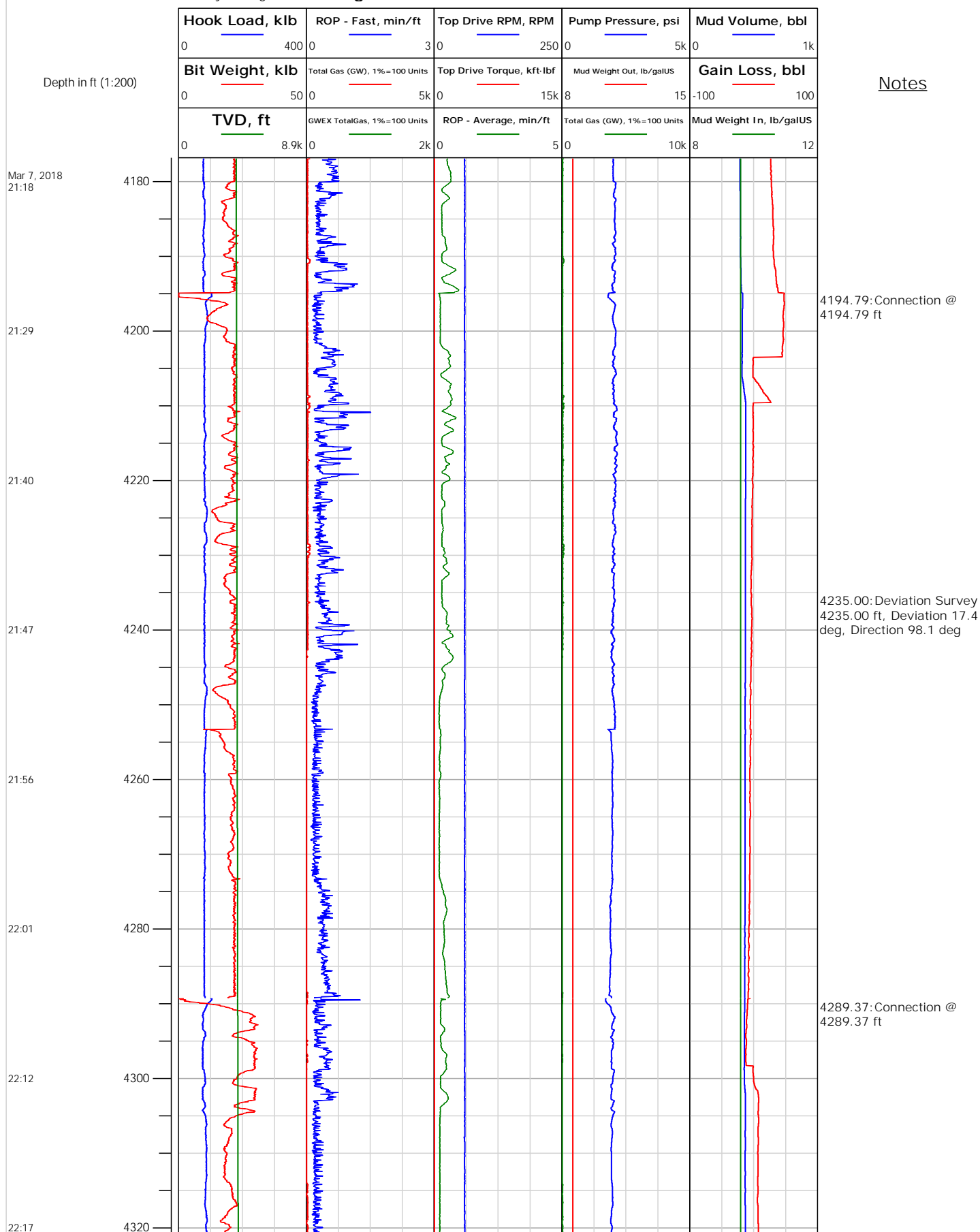
## Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: Nichols 0994-24-11E  
Rig: 290

Location: SE/4 of NW/4

## Notes





# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes

Depth in ft (1:200)

Mar 7, 2018  
22:21

22:26

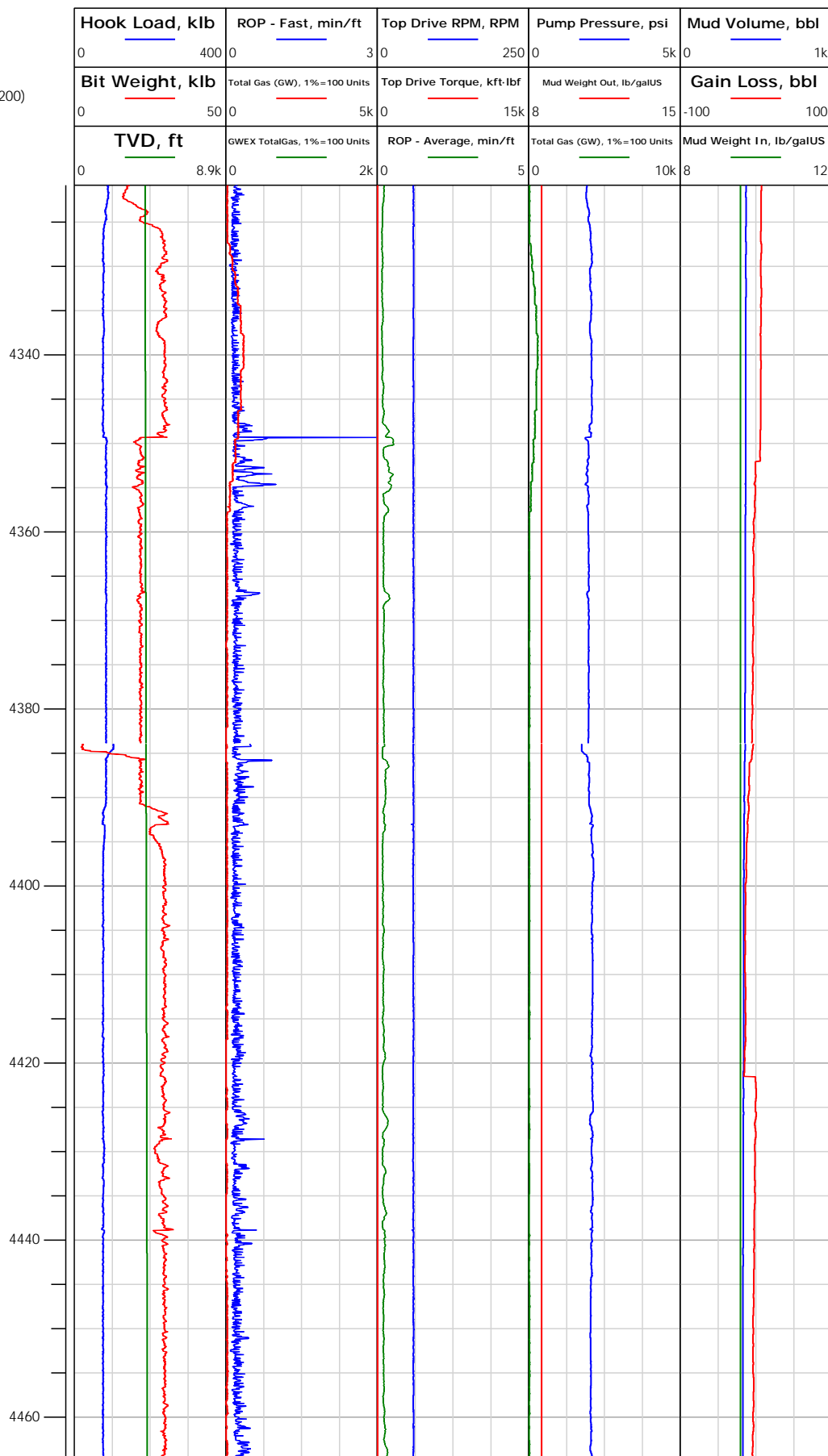
22:30

22:38

22:42

22:47

22:51



4329.00: Deviation Survey  
4329.00 ft, Deviation 16.7  
deg, Direction 95.8 deg

4383.97: Connection @  
4383.97 ft  
4386.03: Rig Floor set Bit  
Position from 4385.92 ft to  
4383.00 ft

4424.00: Deviation Survey  
4424.00 ft, Deviation 15.4  
deg, Direction 94.7 deg



# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes

Depth in ft (1:200)

Mar 7, 2018  
23:01

23:09

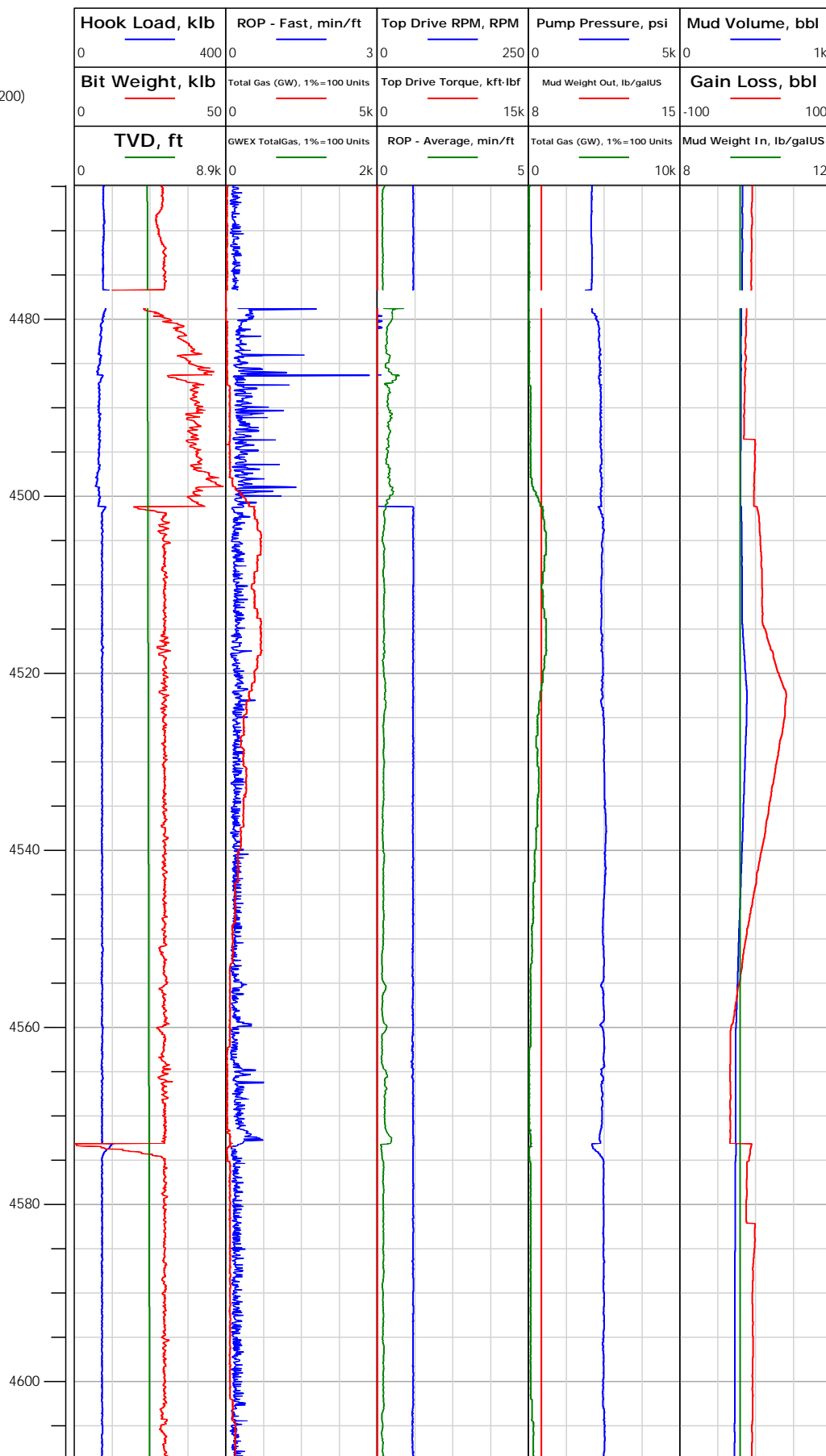
23:14

23:18

23:22

23:31

23:35





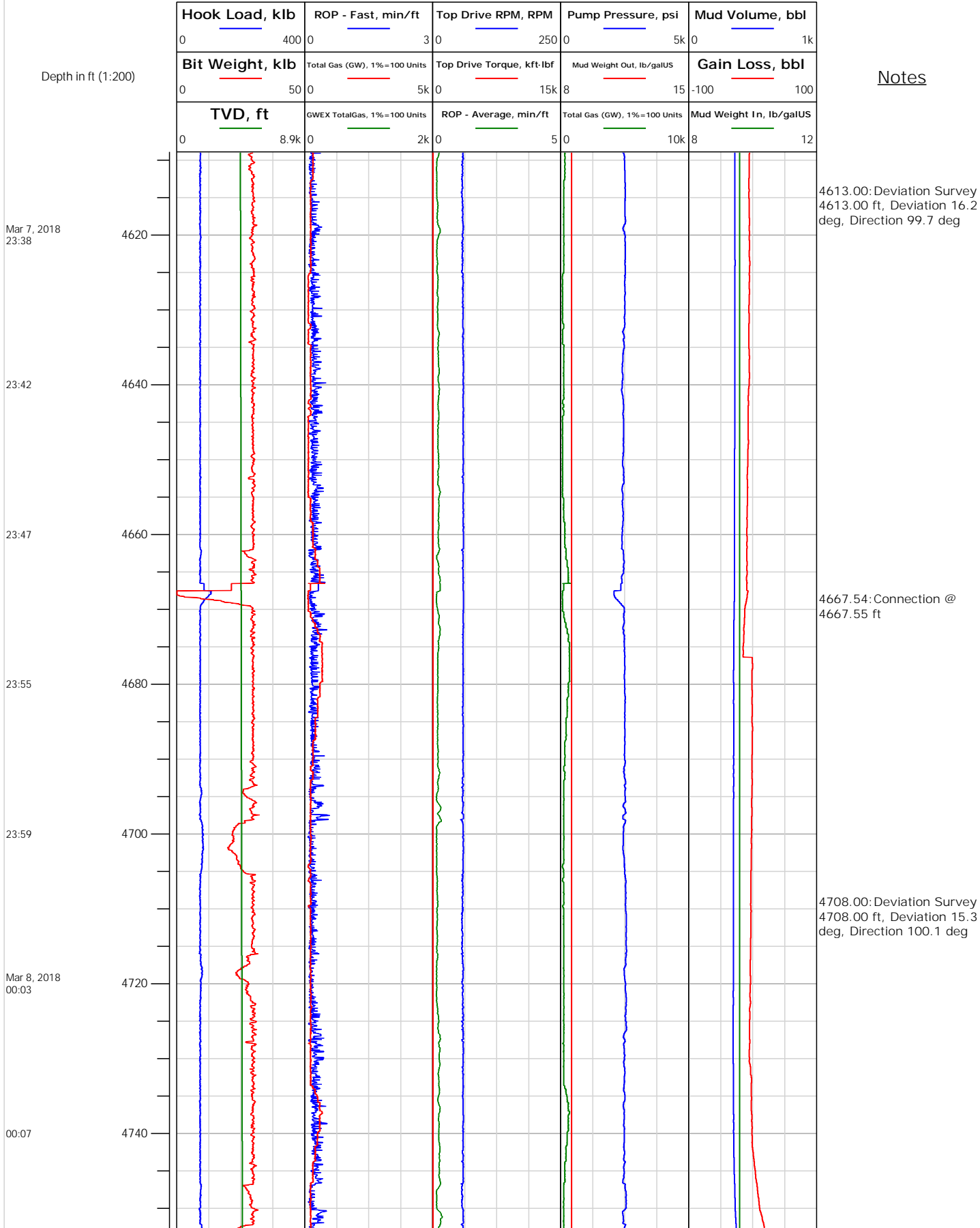
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





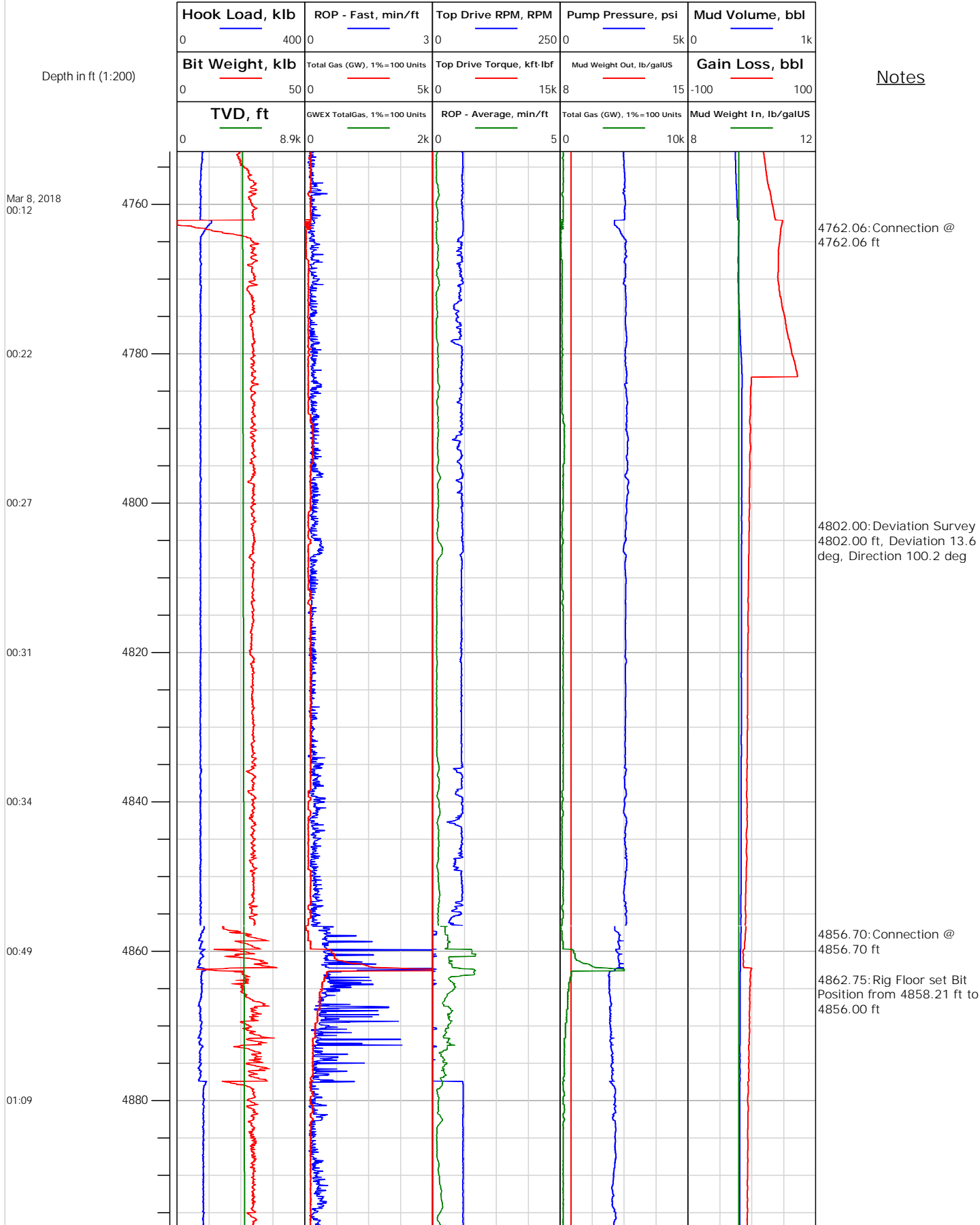
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes







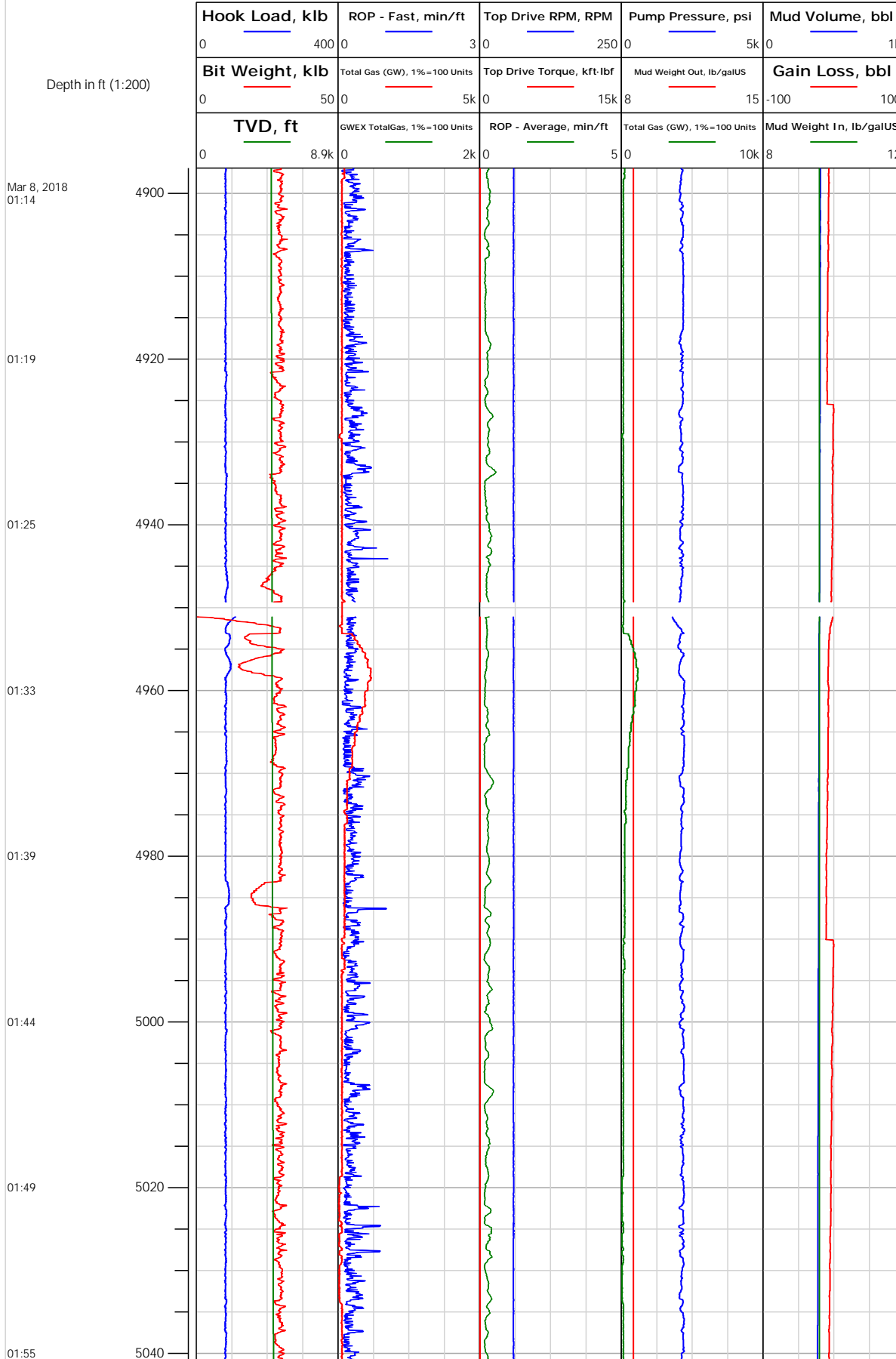
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes



4897.00: Deviation Survey  
4897.00 ft, Deviation 14.8 deg, Direction 100.2 deg

4951.06: Connection @  
4951.06 ft  
4953.10: Rig Floor set Bit  
Position from 4952.97 ft to  
4951.00 ft

4991.00: Deviation Survey  
4991.00 ft, Deviation 13.3 deg, Direction 99.7 deg



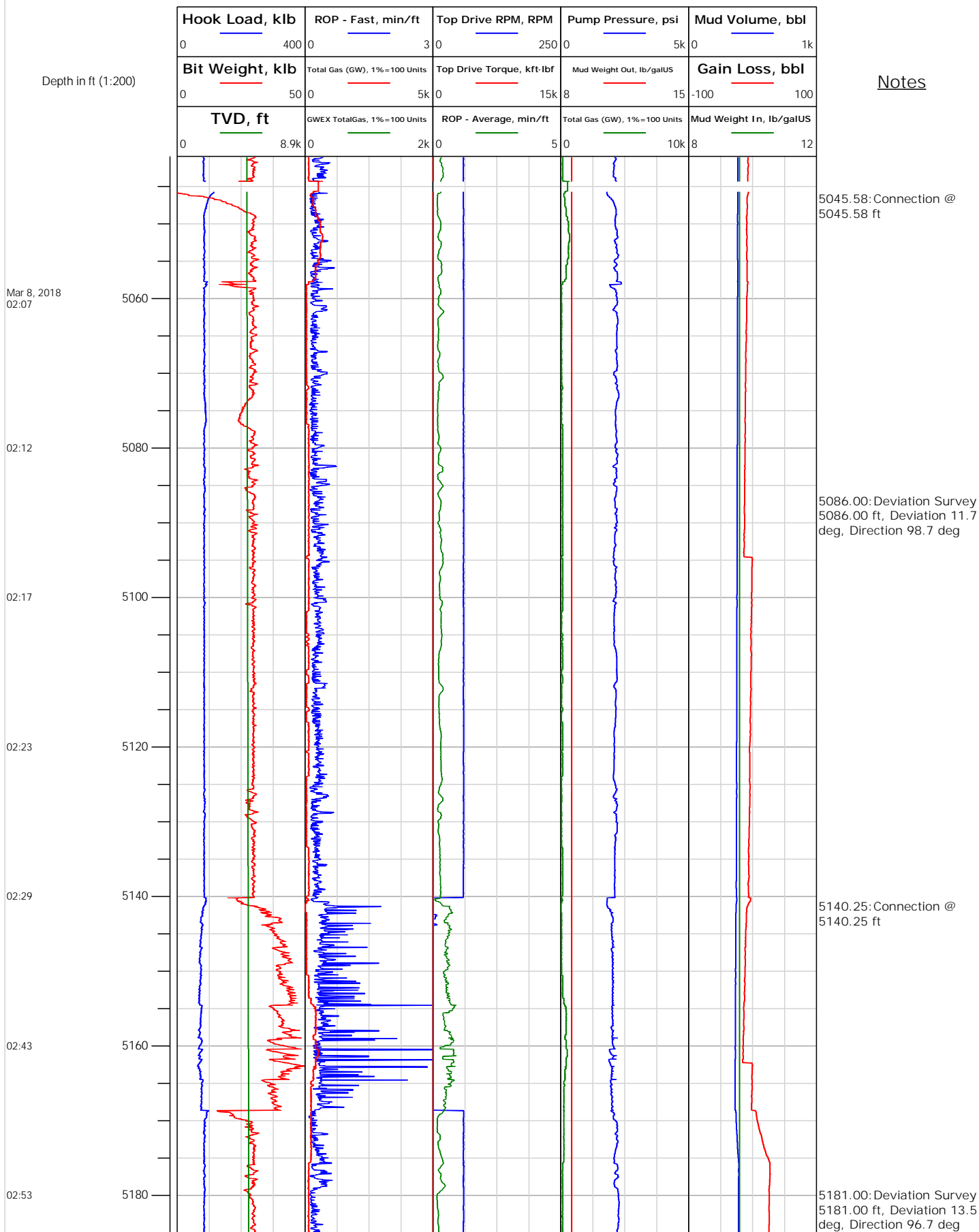
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





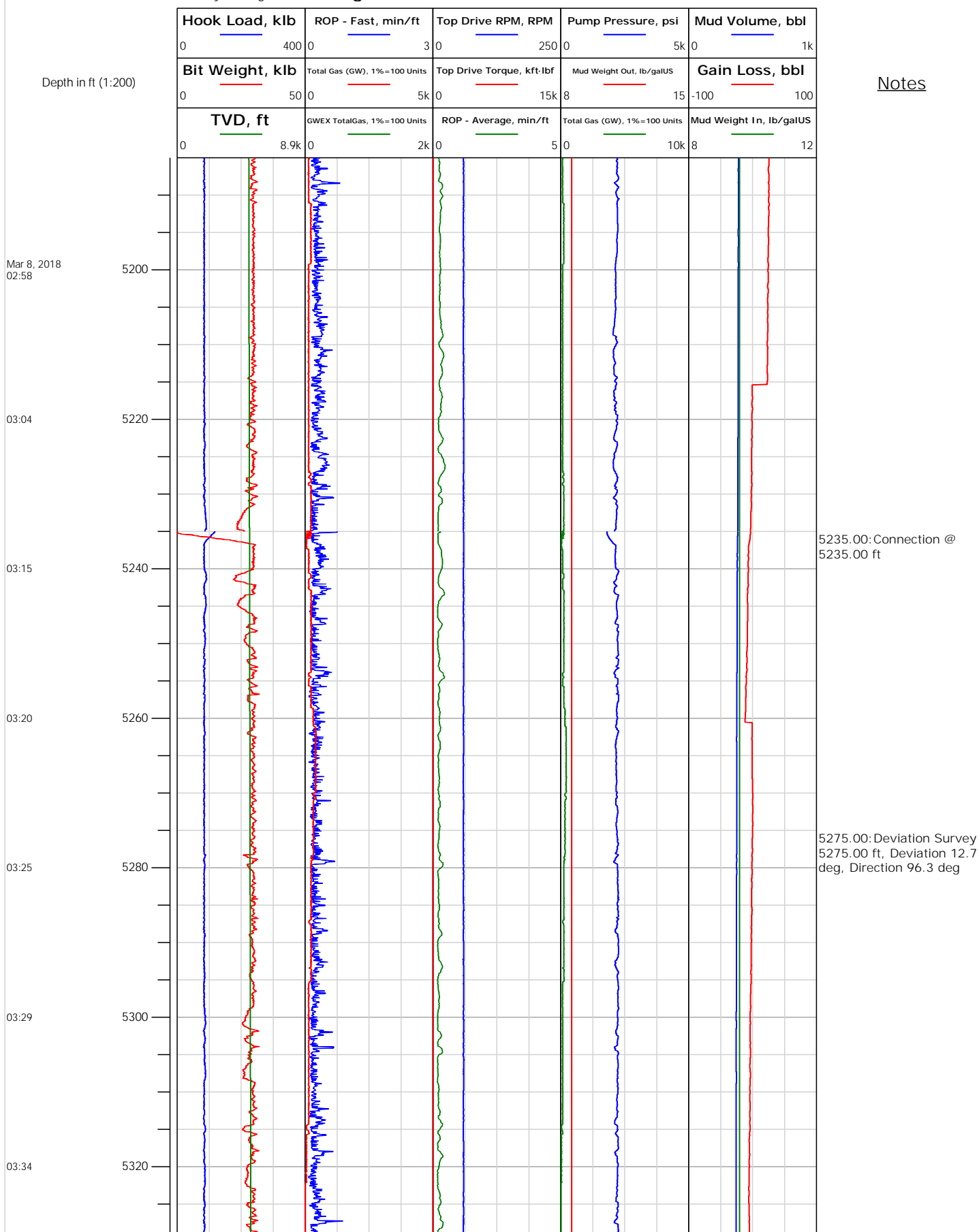
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**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

Notes





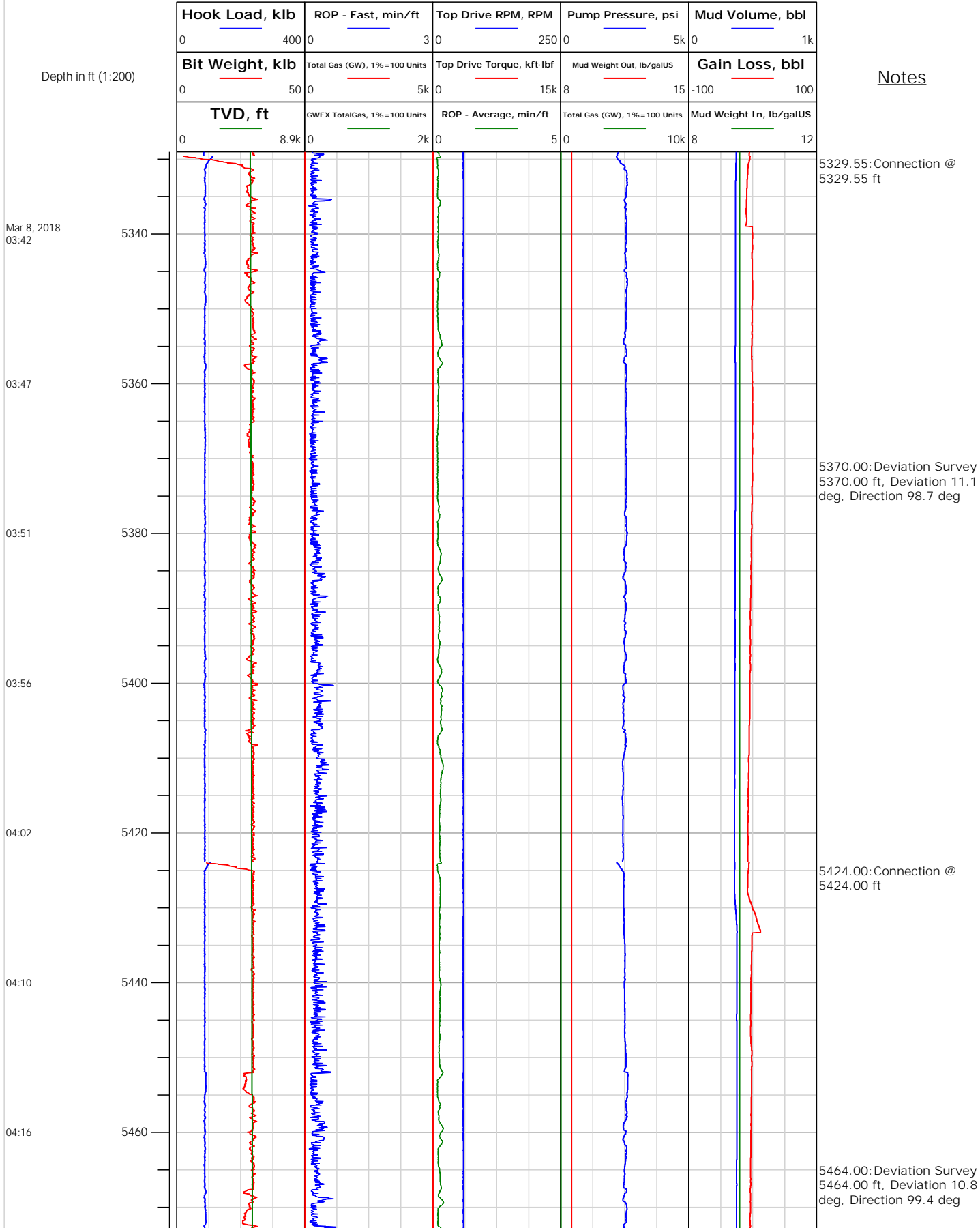
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**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





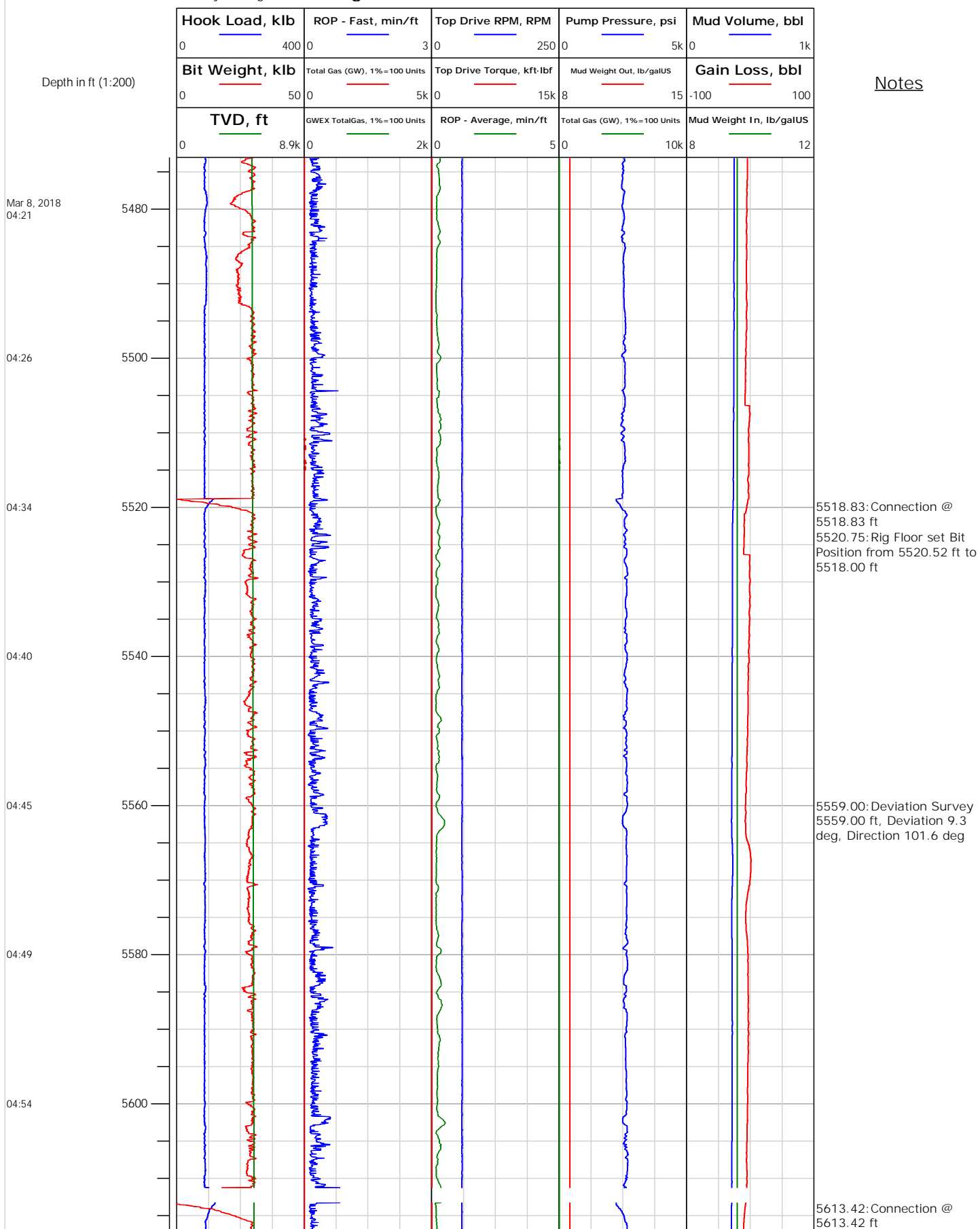
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**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

Notes





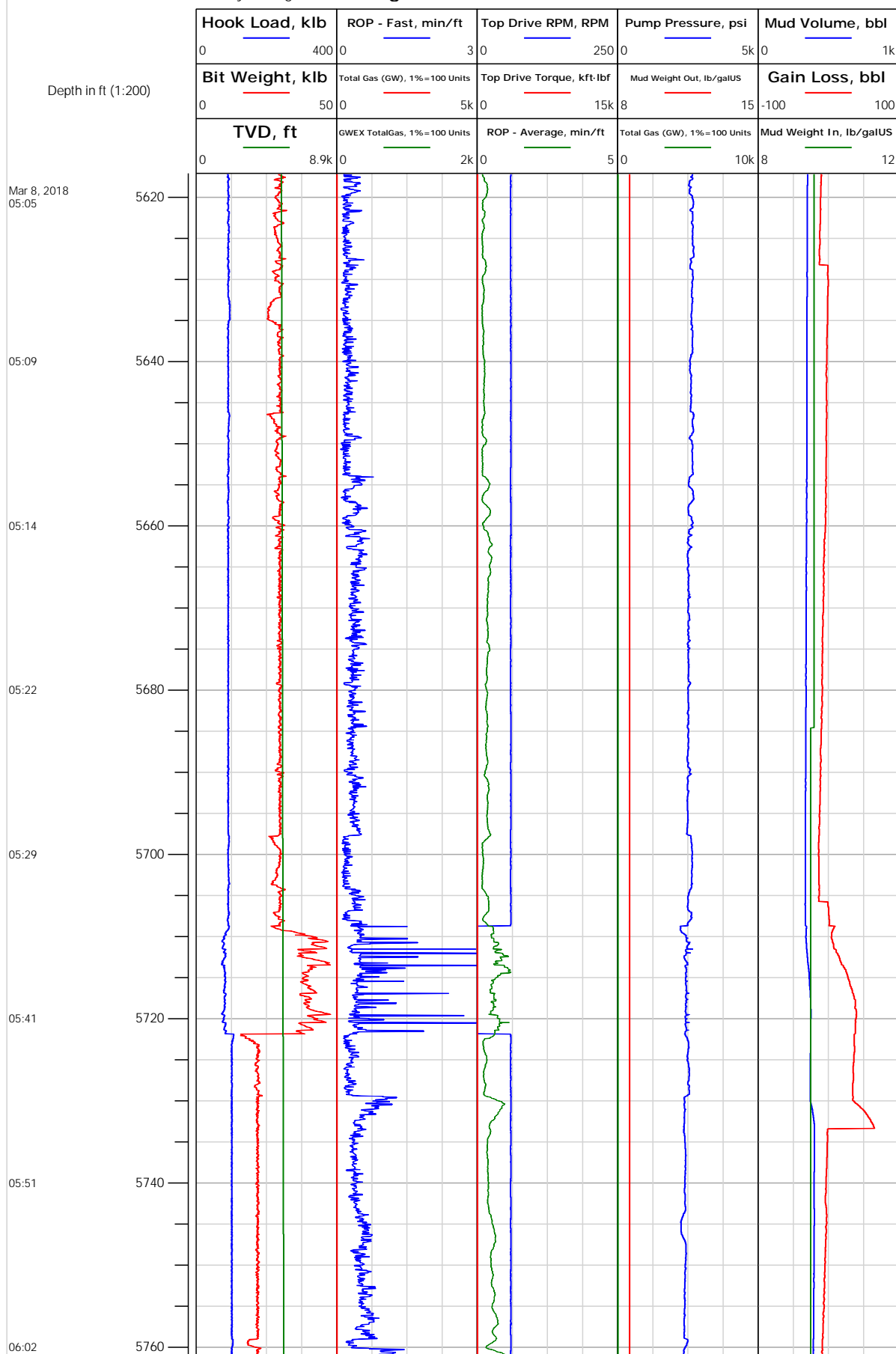
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes



5654.00: Deviation Survey  
5654.00 ft, Deviation 8.2 deg, Direction 101.5 deg

5748.00: Deviation Survey  
5748.00 ft, Deviation 6.5 deg, Direction 97.4 deg



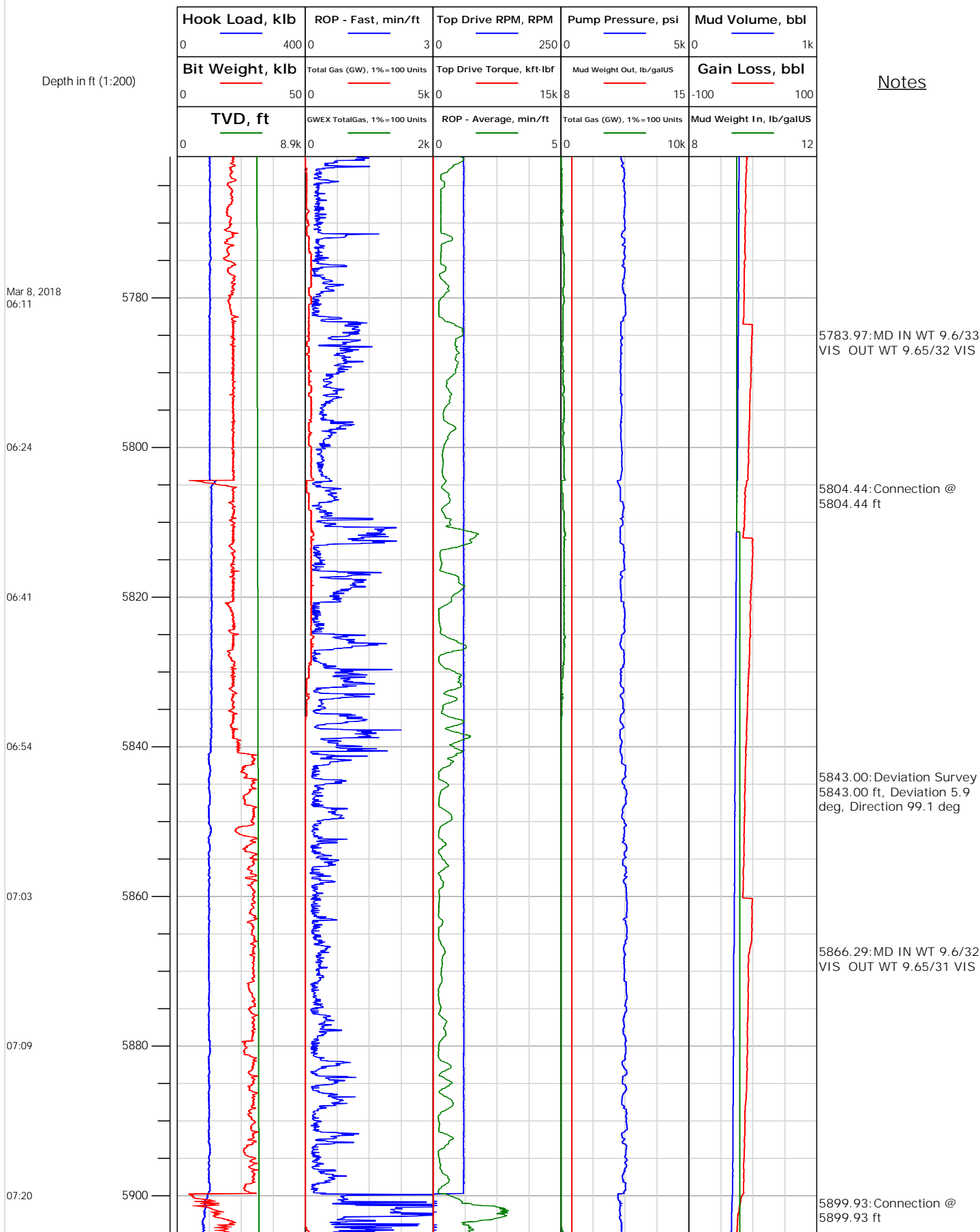
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**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





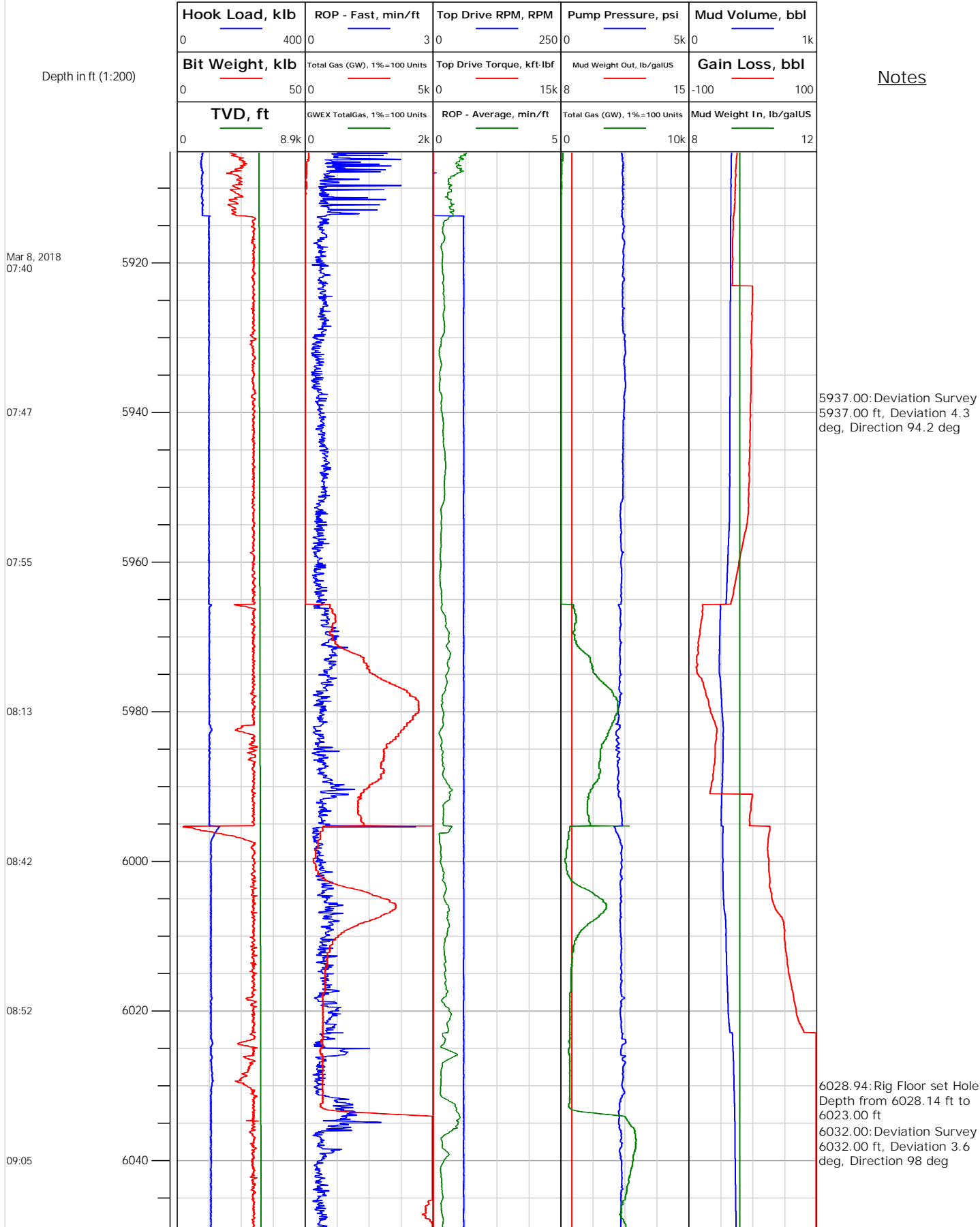
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes







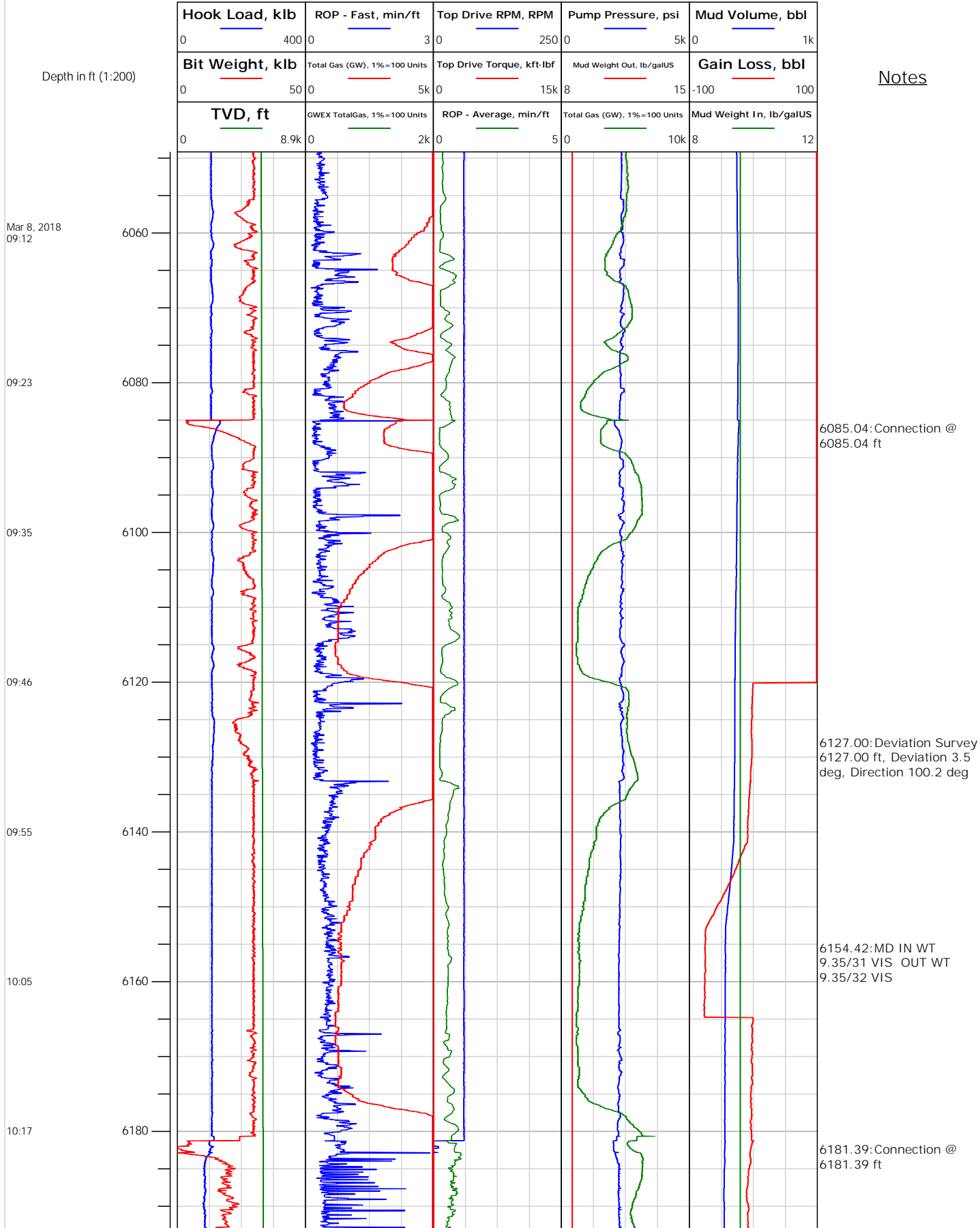
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**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

Notes





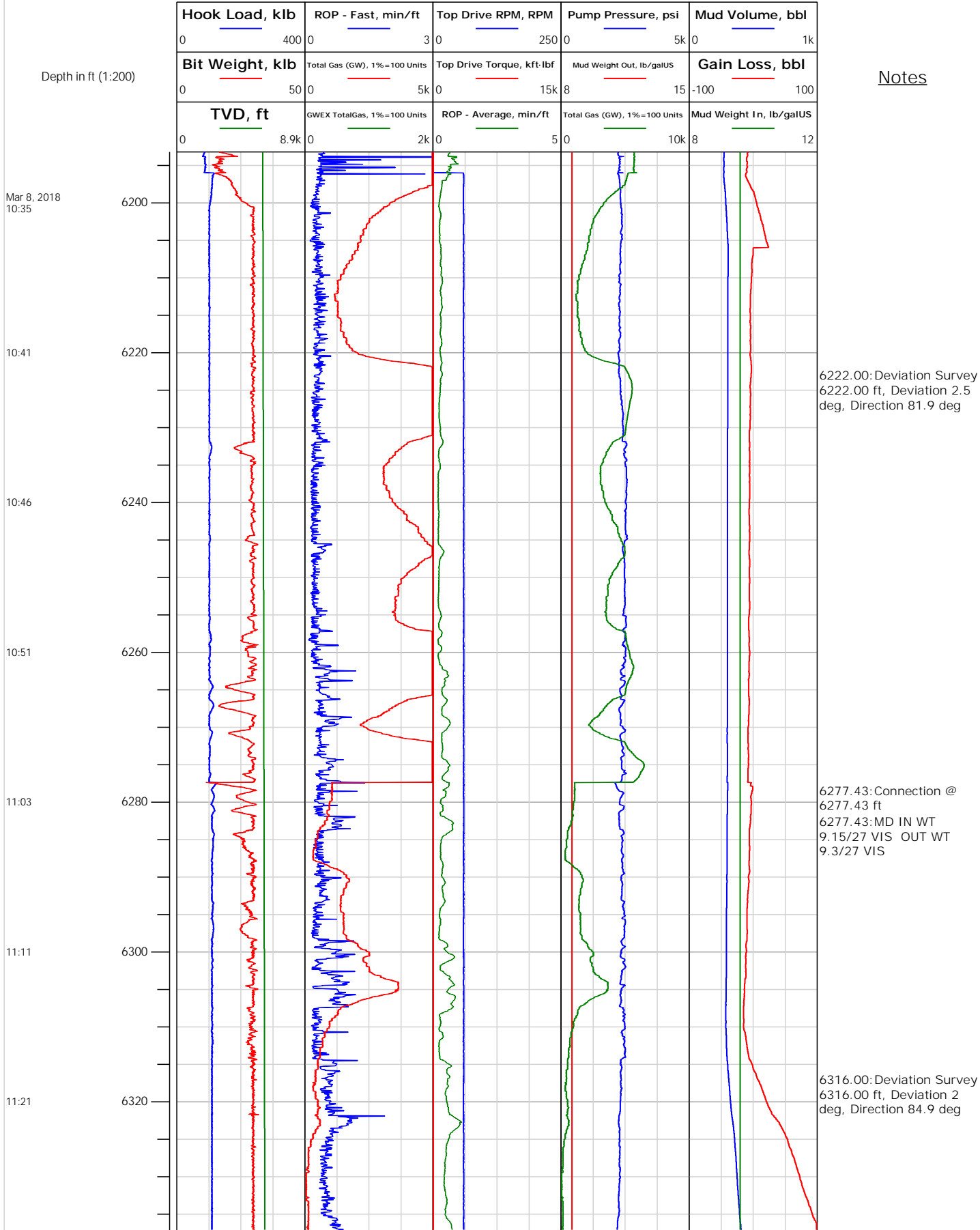
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**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

Notes





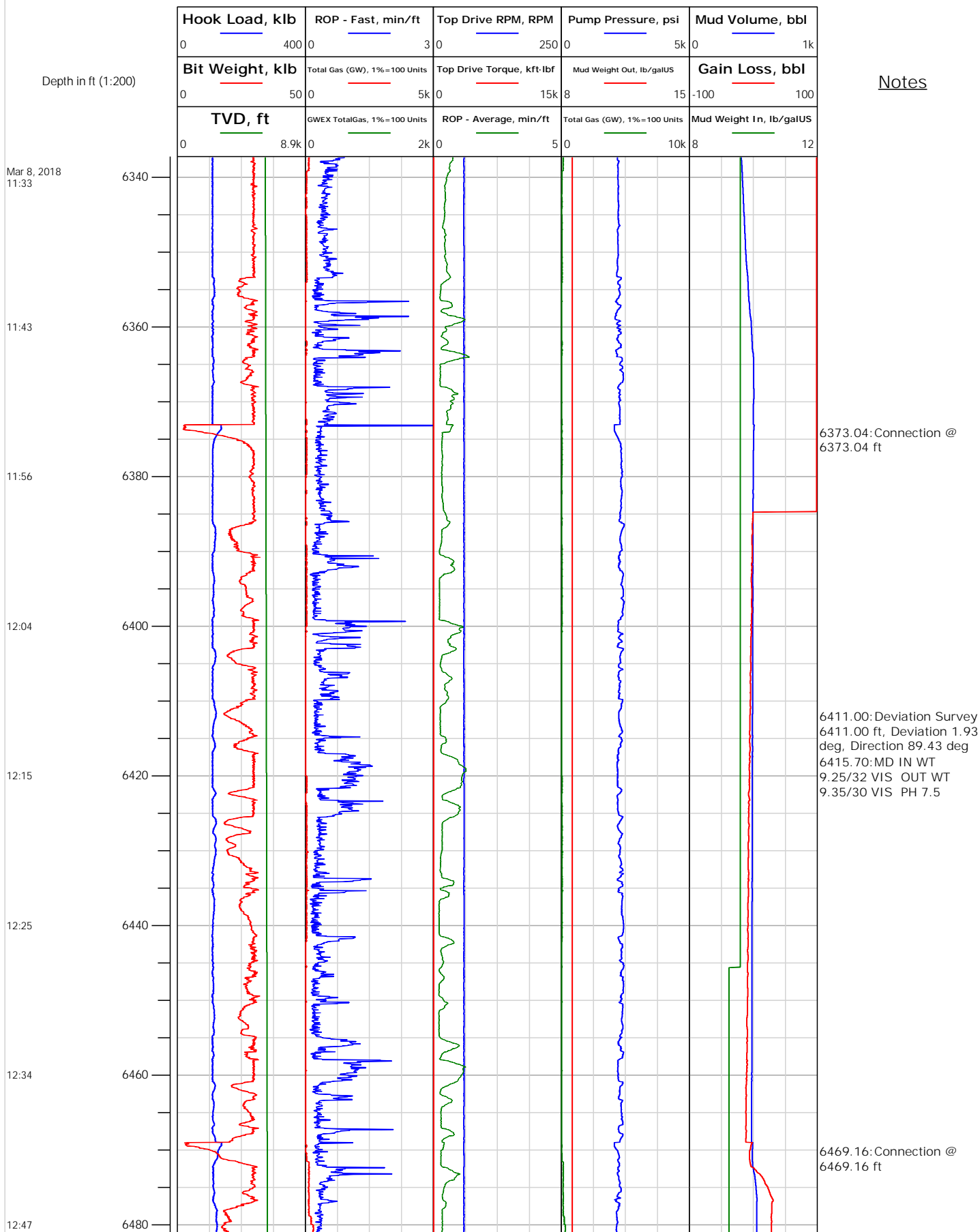
# Electronic Drilling Recorder

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

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes





# Electronic Drilling Recorder

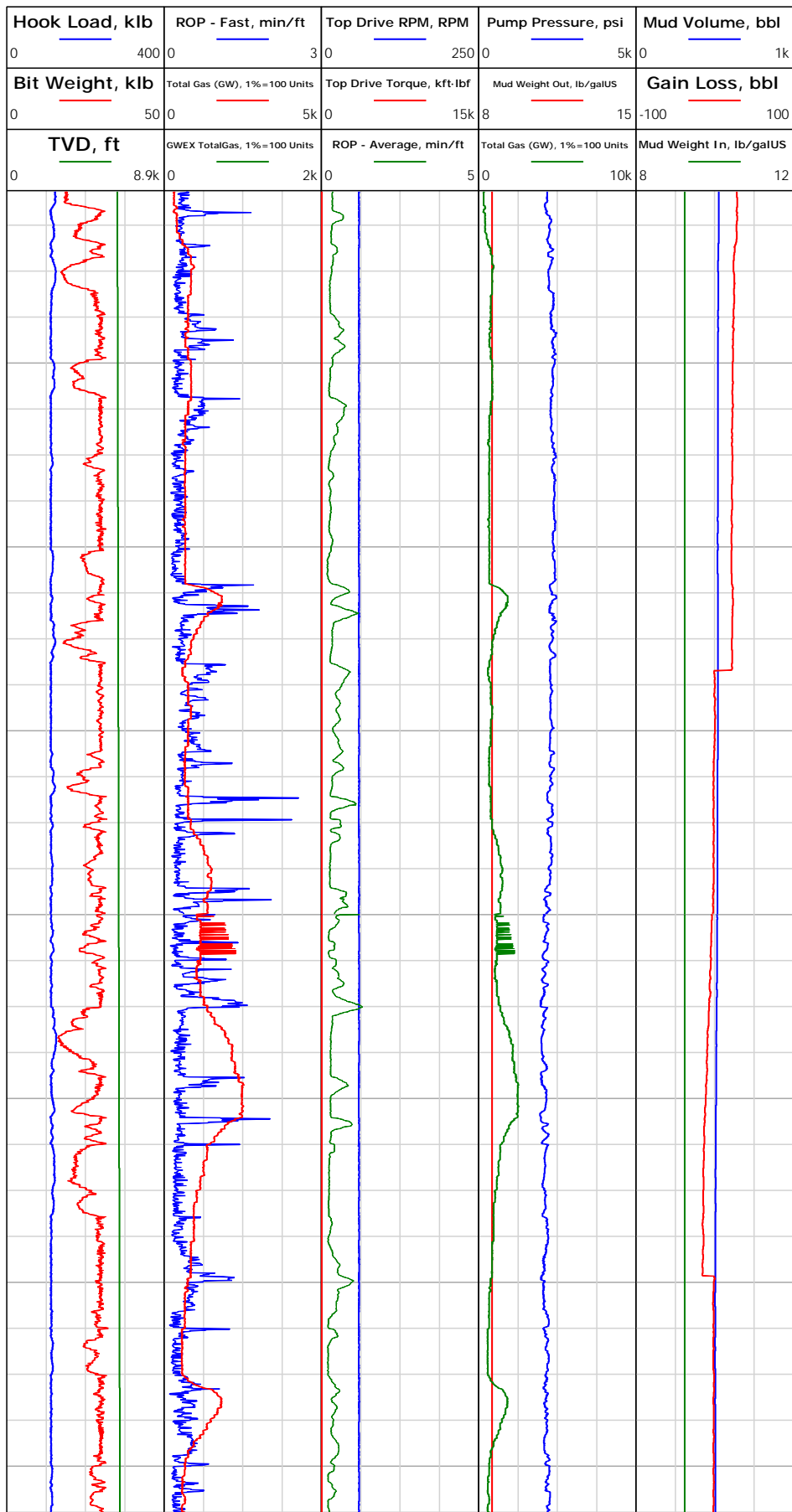
**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes

Depth in ft (1:200)



Mar 8, 2018  
12:55

13:02

13:12

13:29

13:38

13:45

13:53

6522.77: MD IN WT  
9.35/33 VIS OUT WT  
9.35/30 VIS PH 10.0

6566.49: Rig Floor set Hole  
Depth from 6566.07 ft to  
6560.00 ft

6600.00: Deviation Survey  
6600.00 ft, Deviation 1.41  
deg, Direction 90.75 deg



# Electronic Drilling Recorder

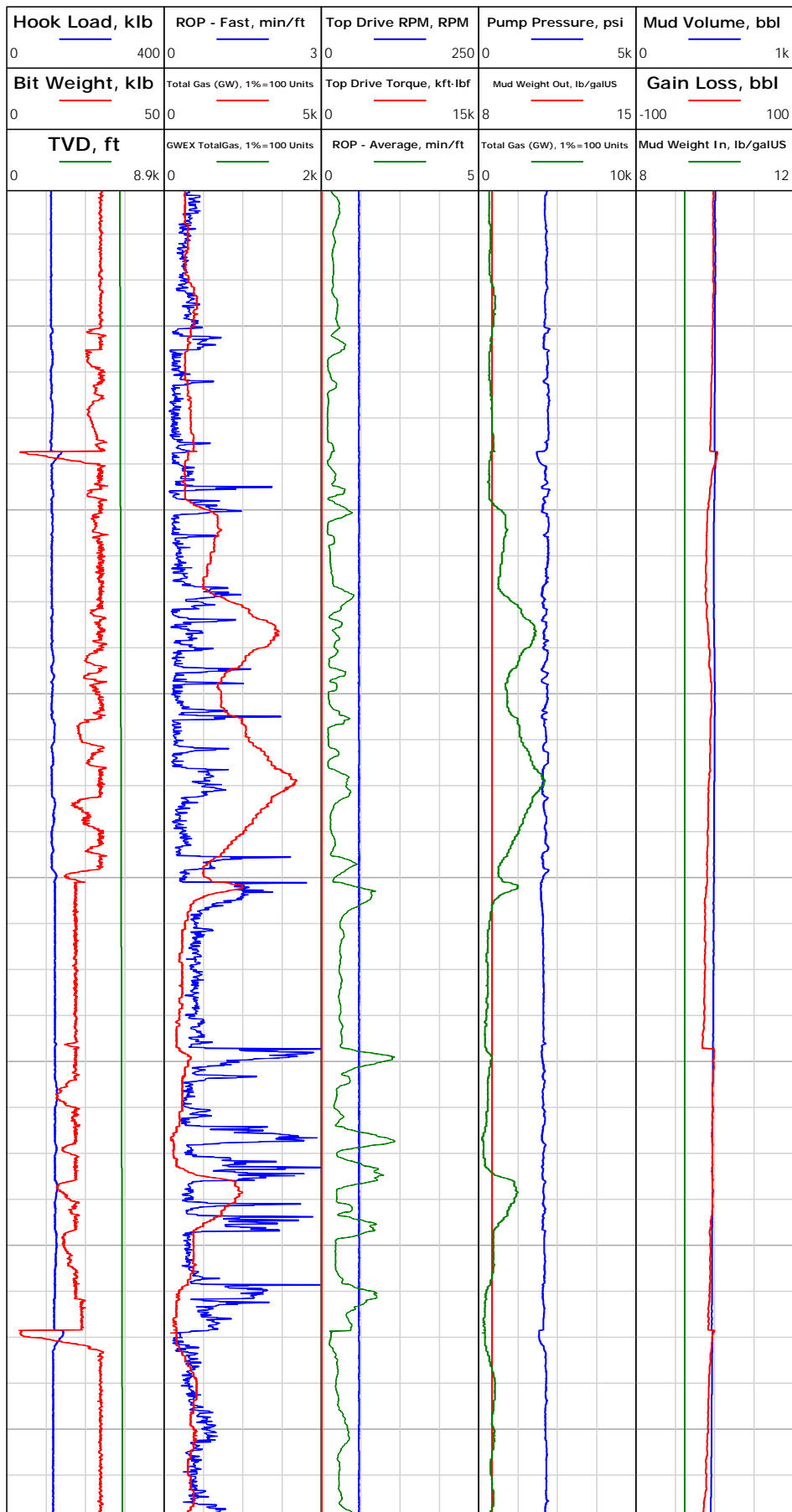
**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** Nichols 0994-24-11E  
**Rig:** 290

**Location:** SE/4 of NW/4

## Notes

Depth in ft (1:200)





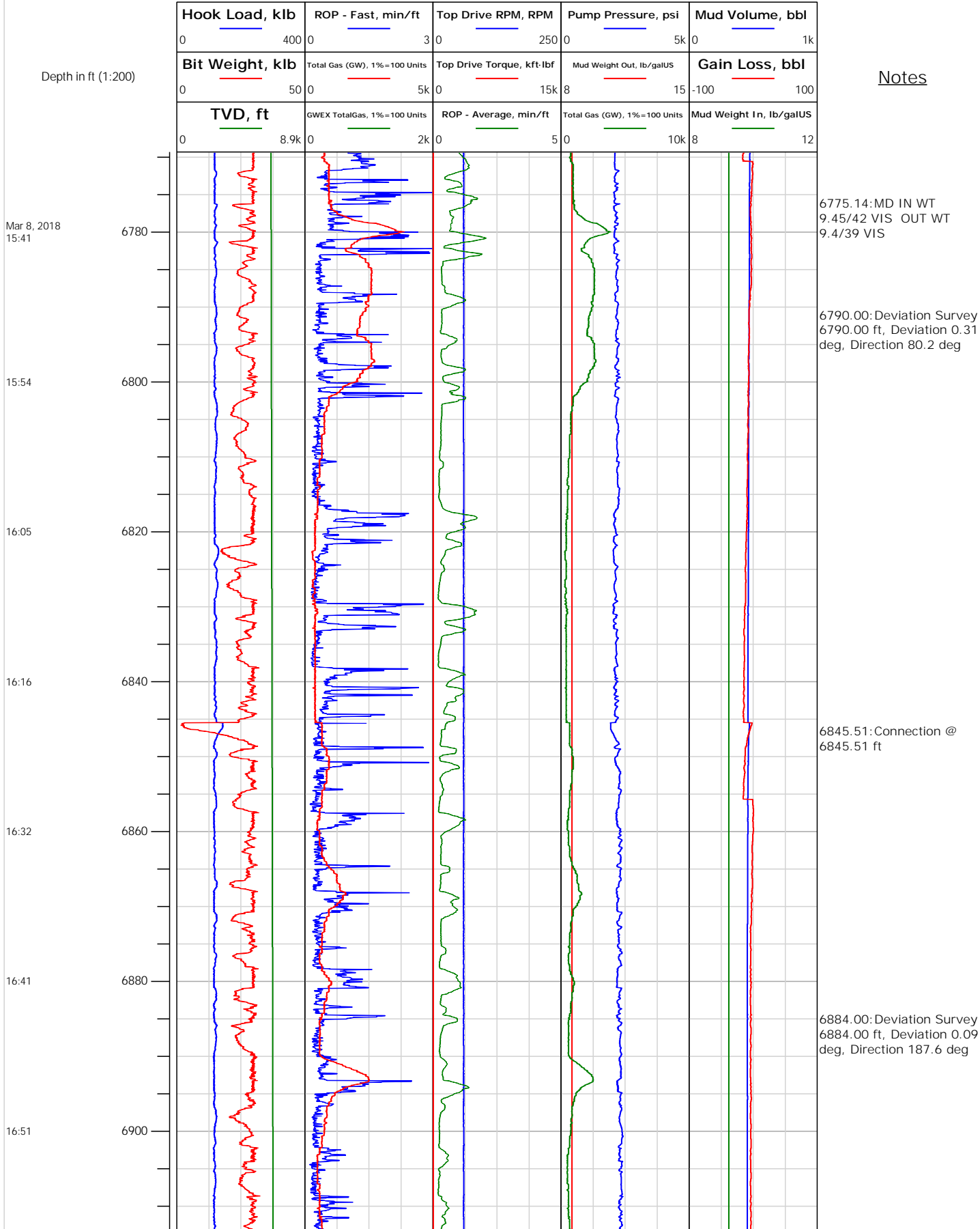
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## Notes





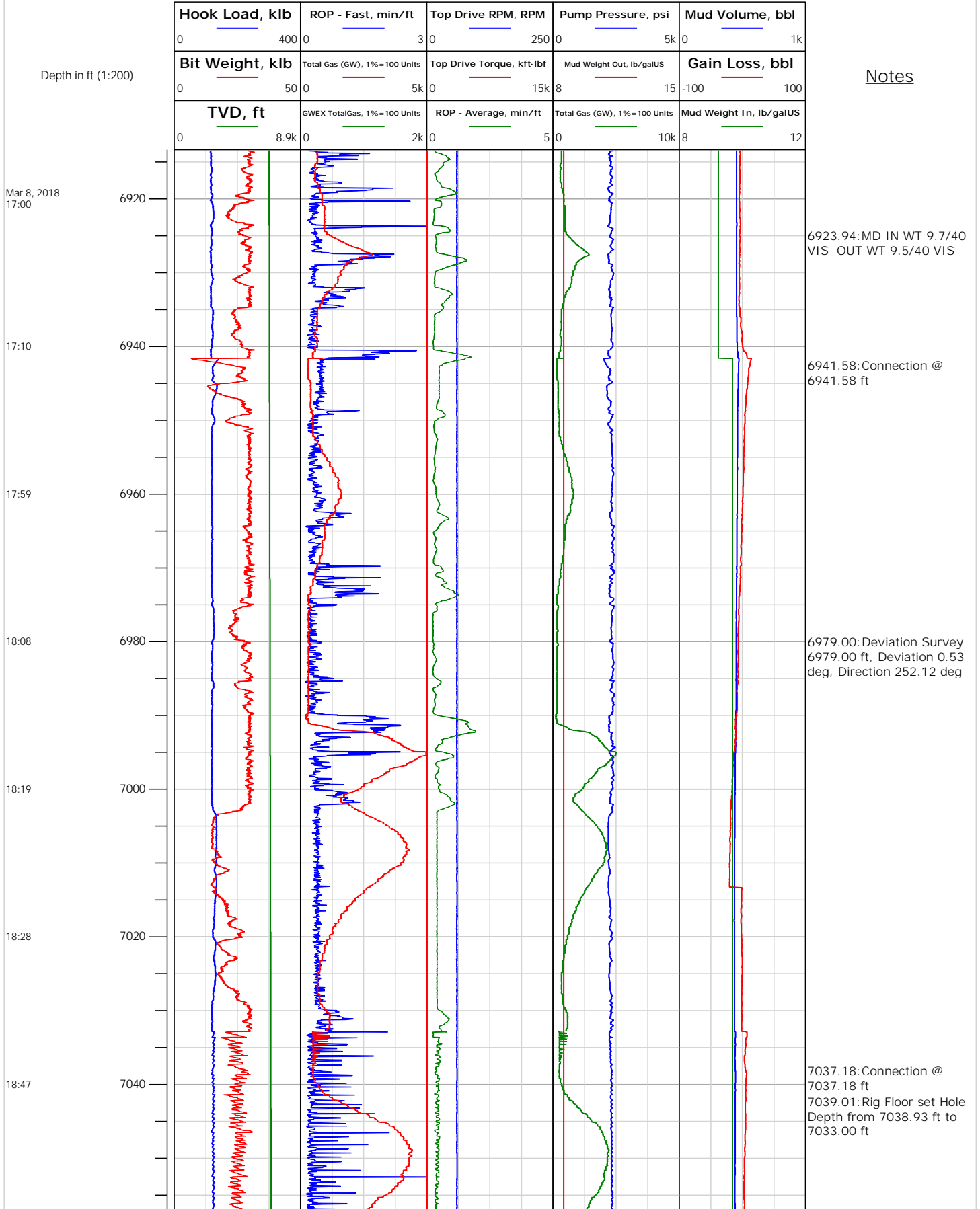
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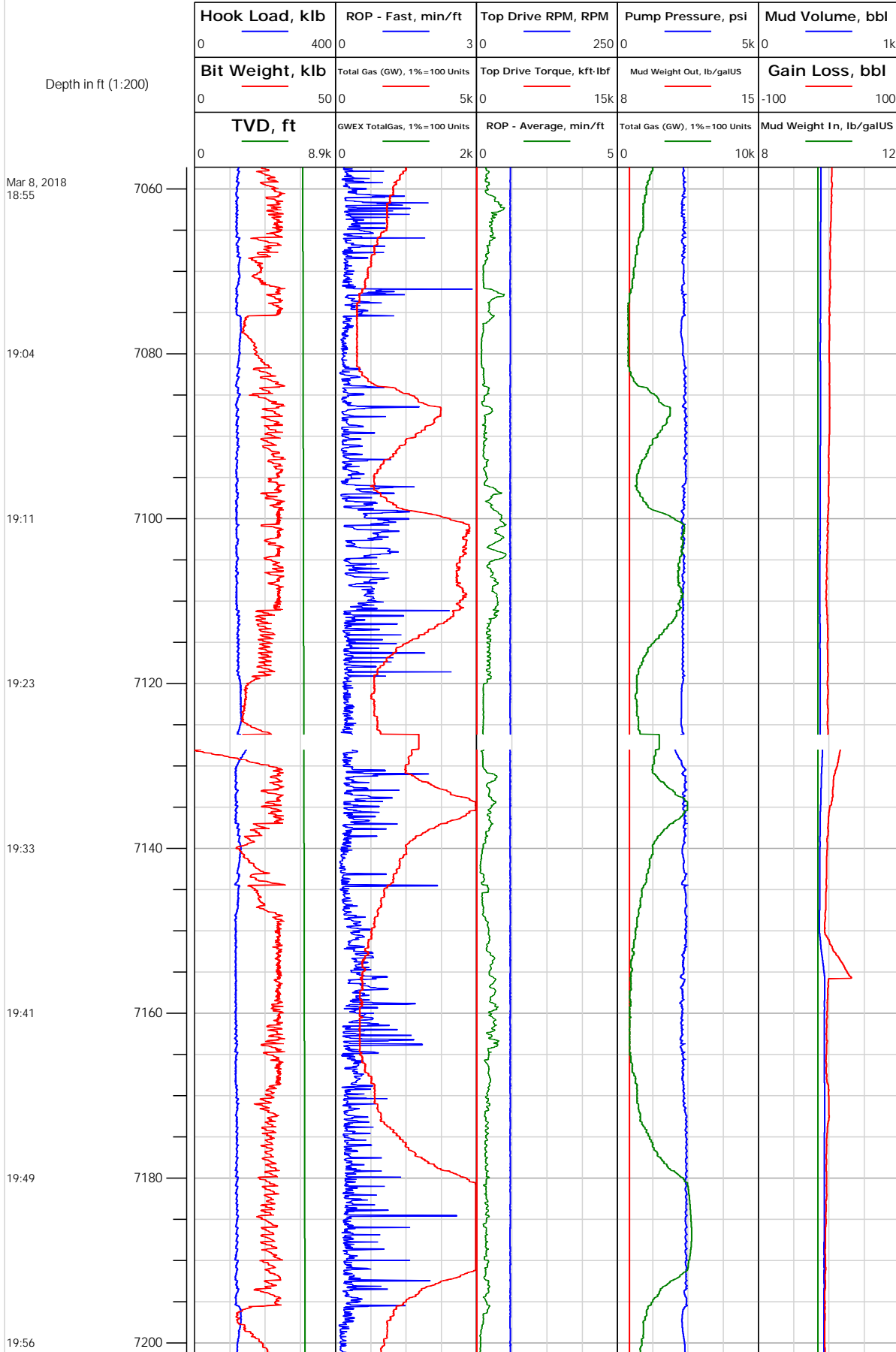
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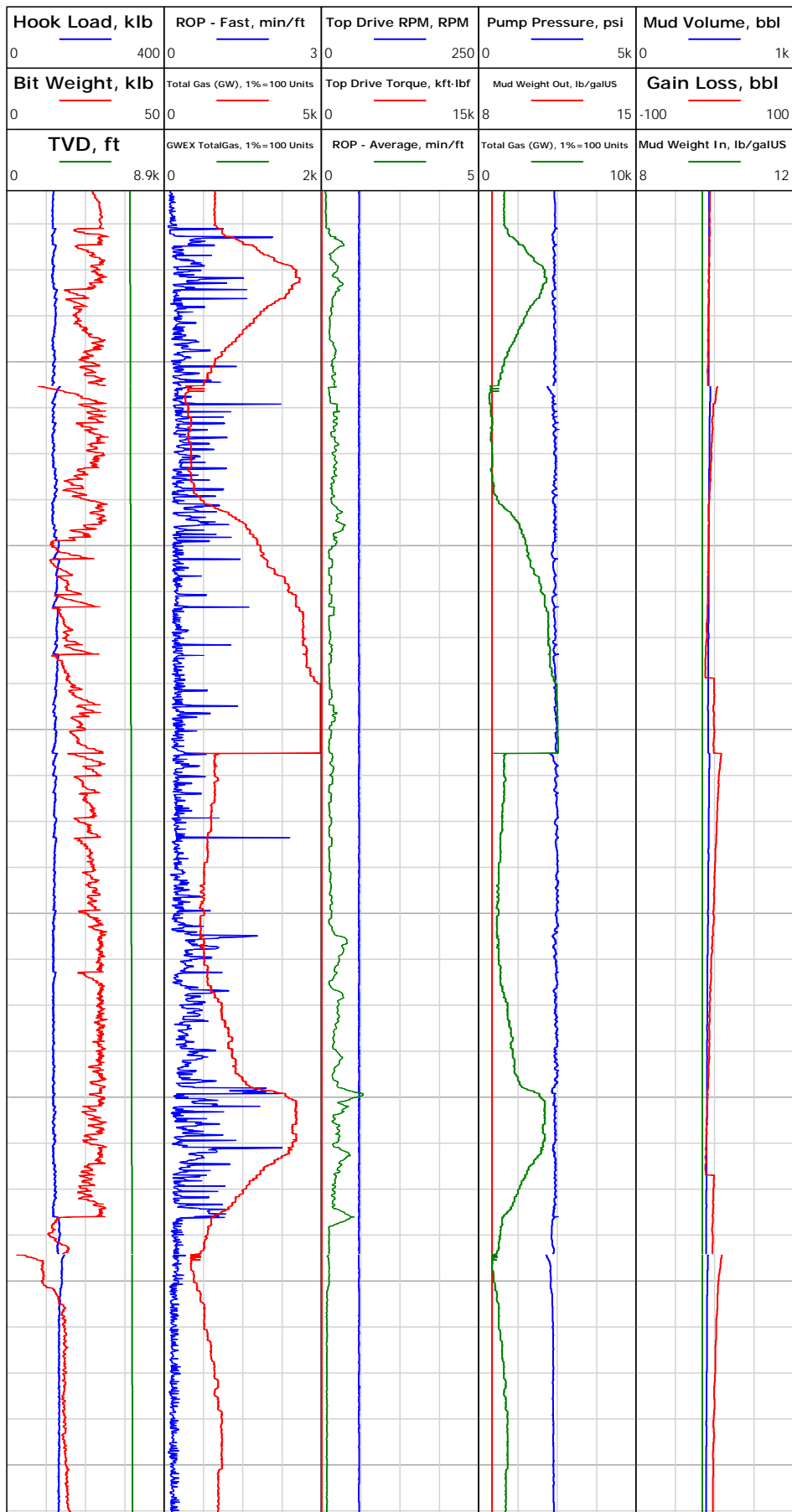
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Depth in ft (1:200)





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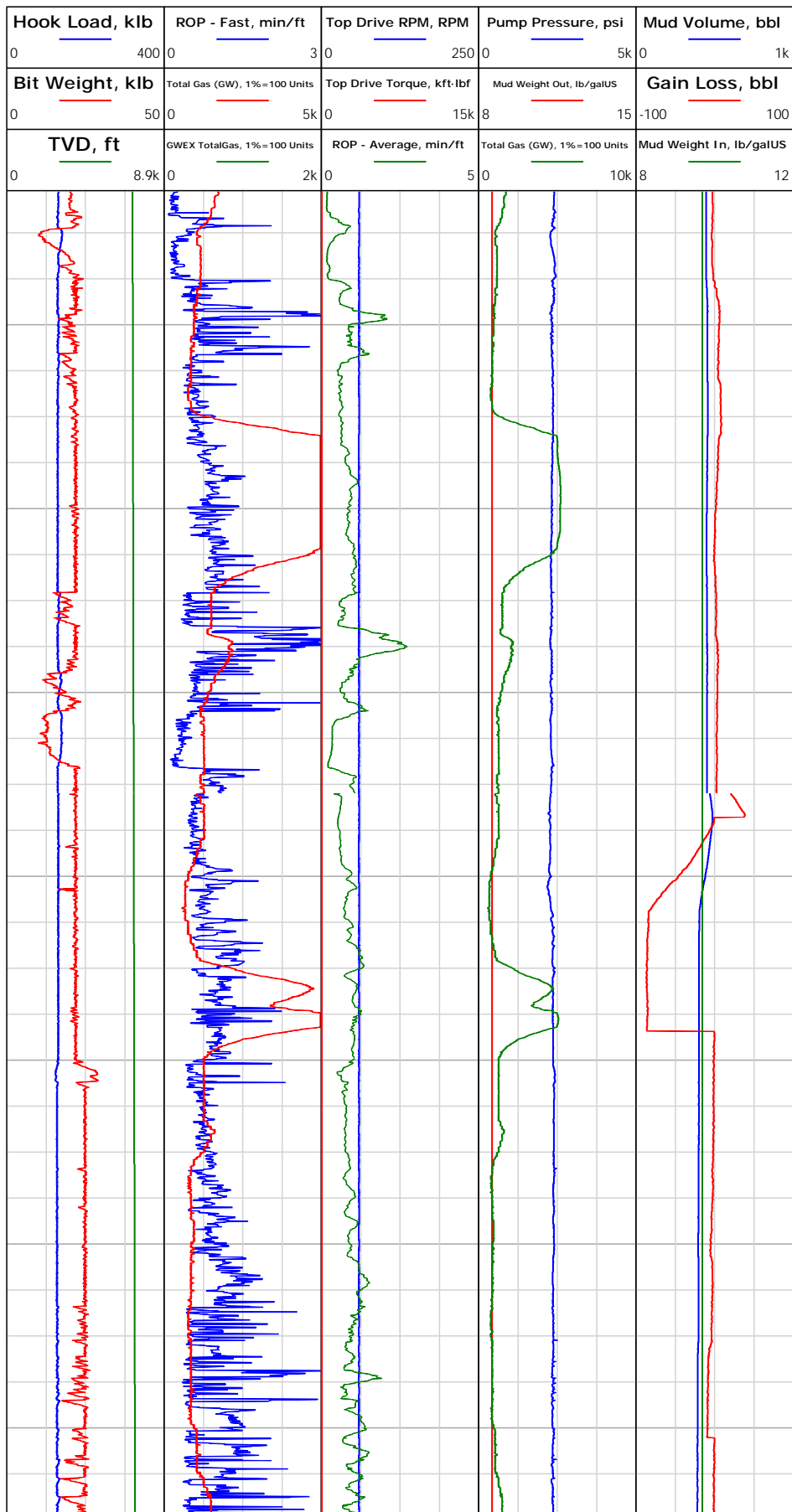
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Depth in ft (1:200)





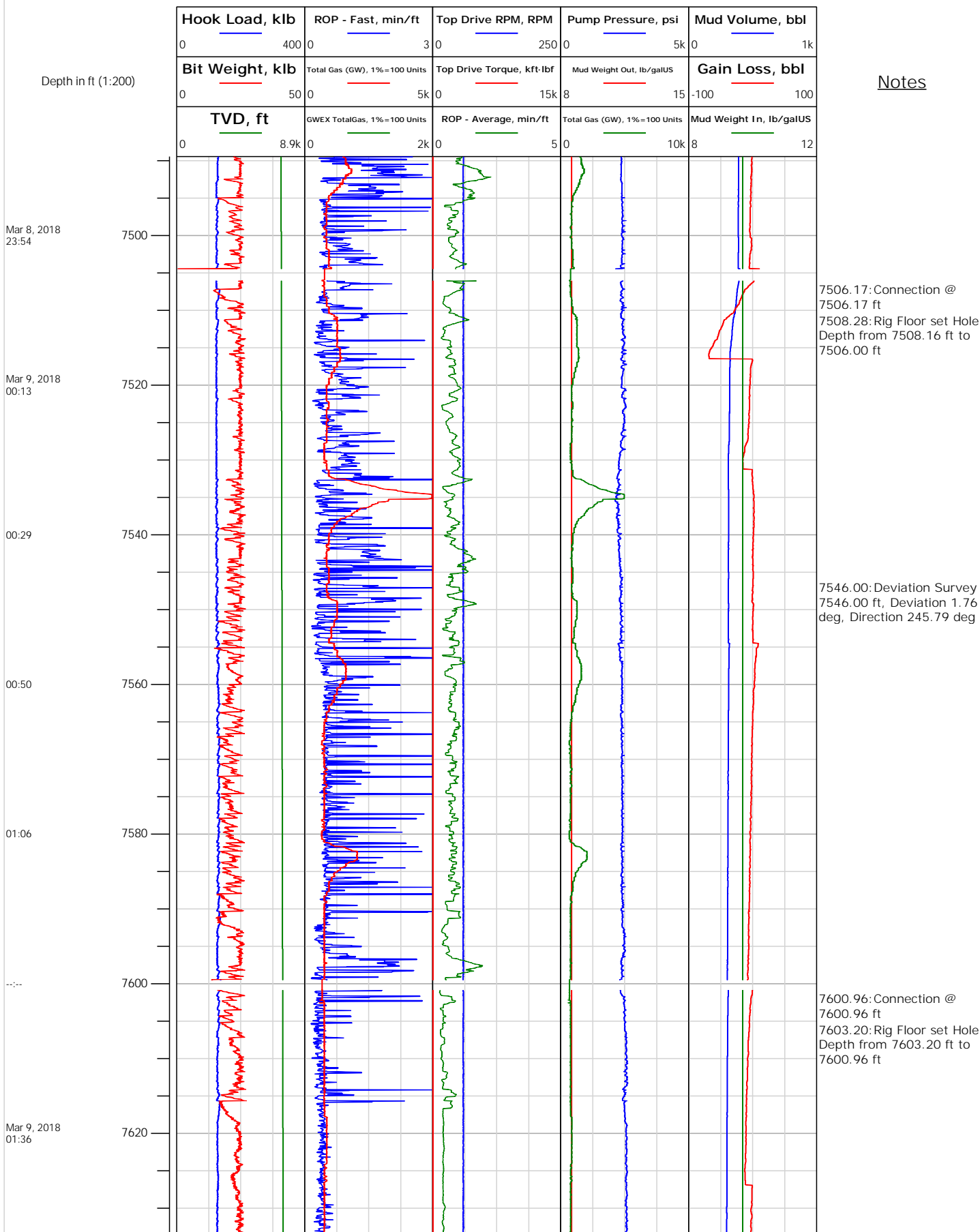
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