



## Electronic Drilling Recorder

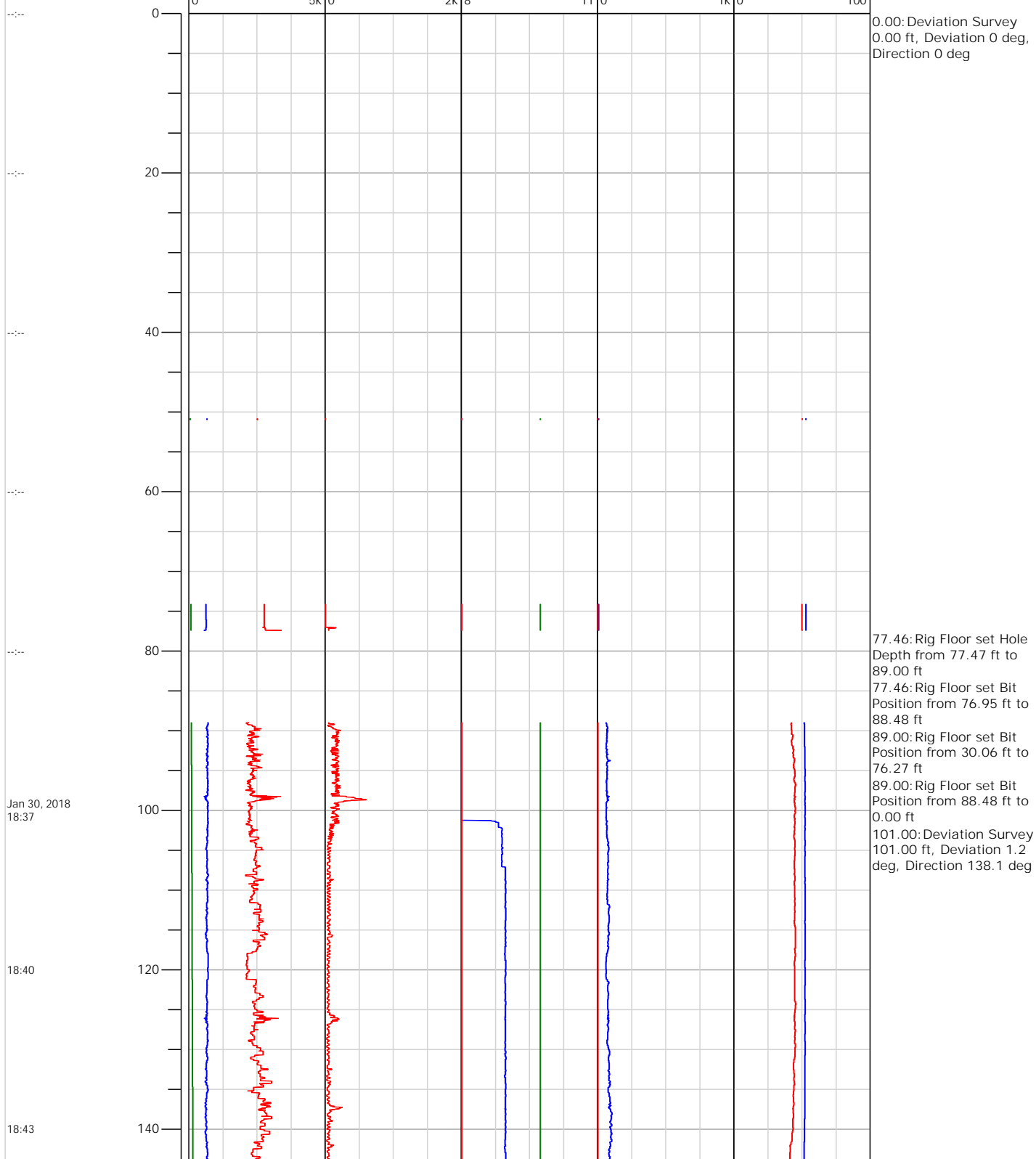
Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

Depth in ft (1:200)

Notes





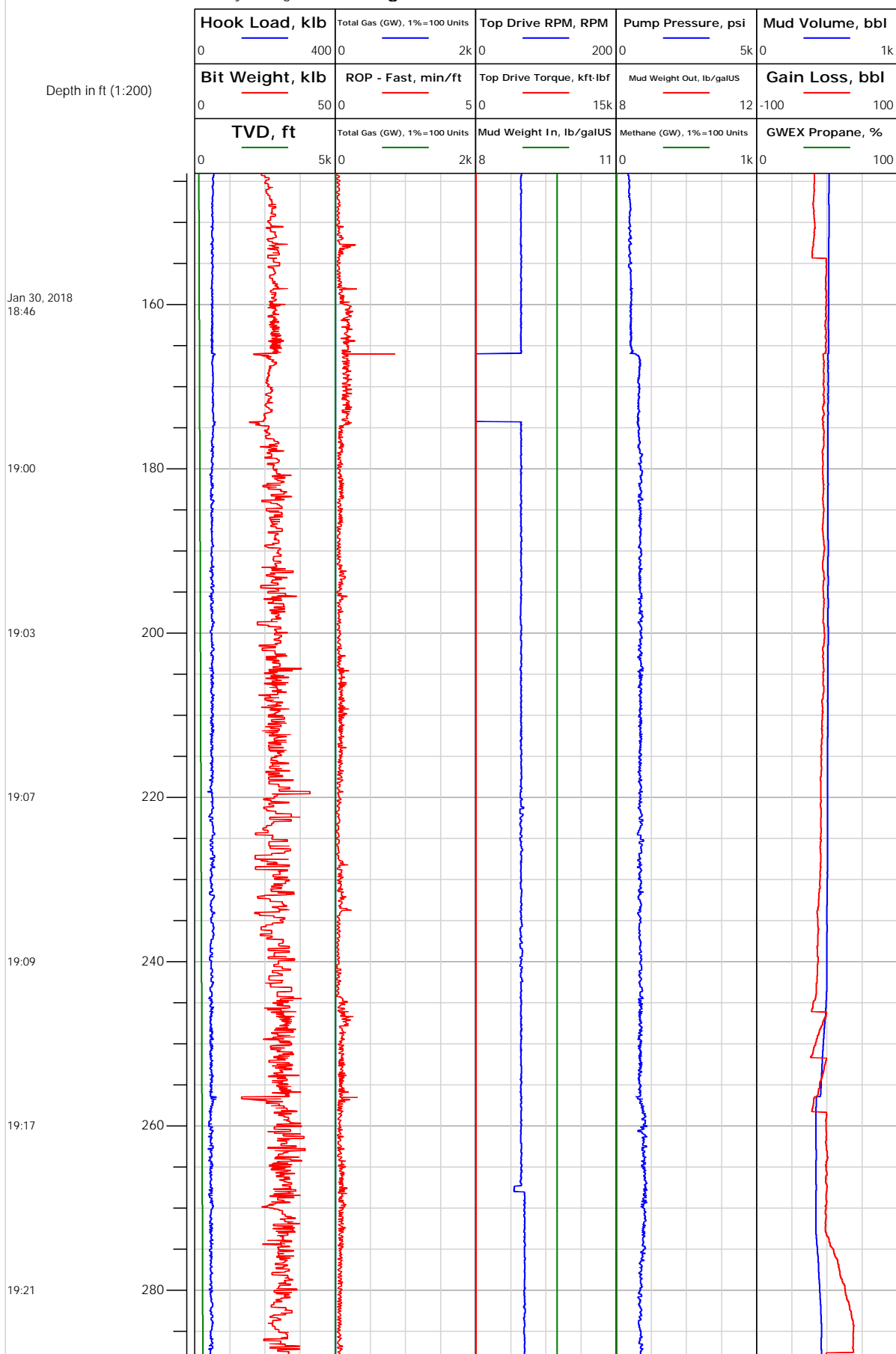
## Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

Notes





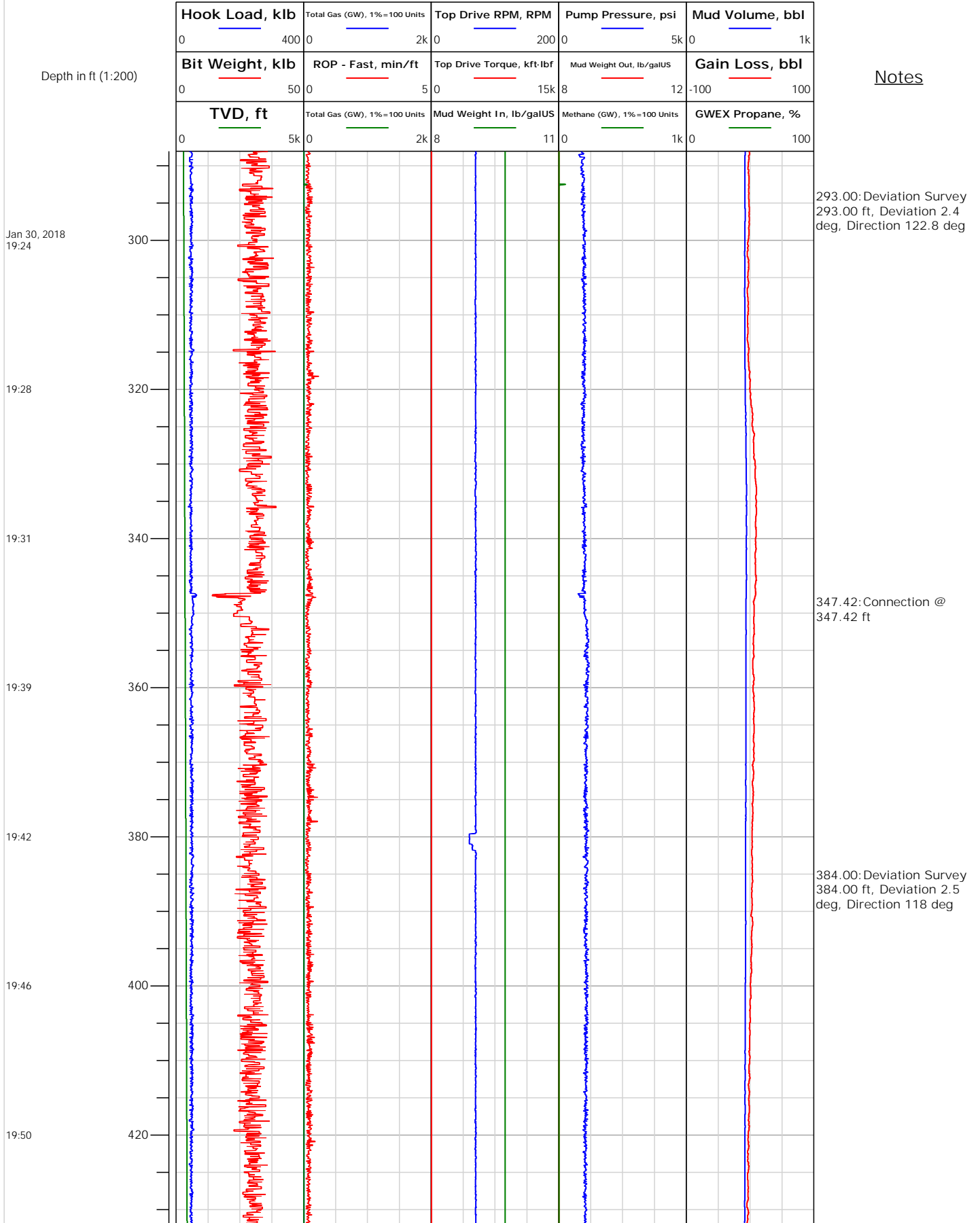
# Electronic Drilling Recorder

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

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

## Notes





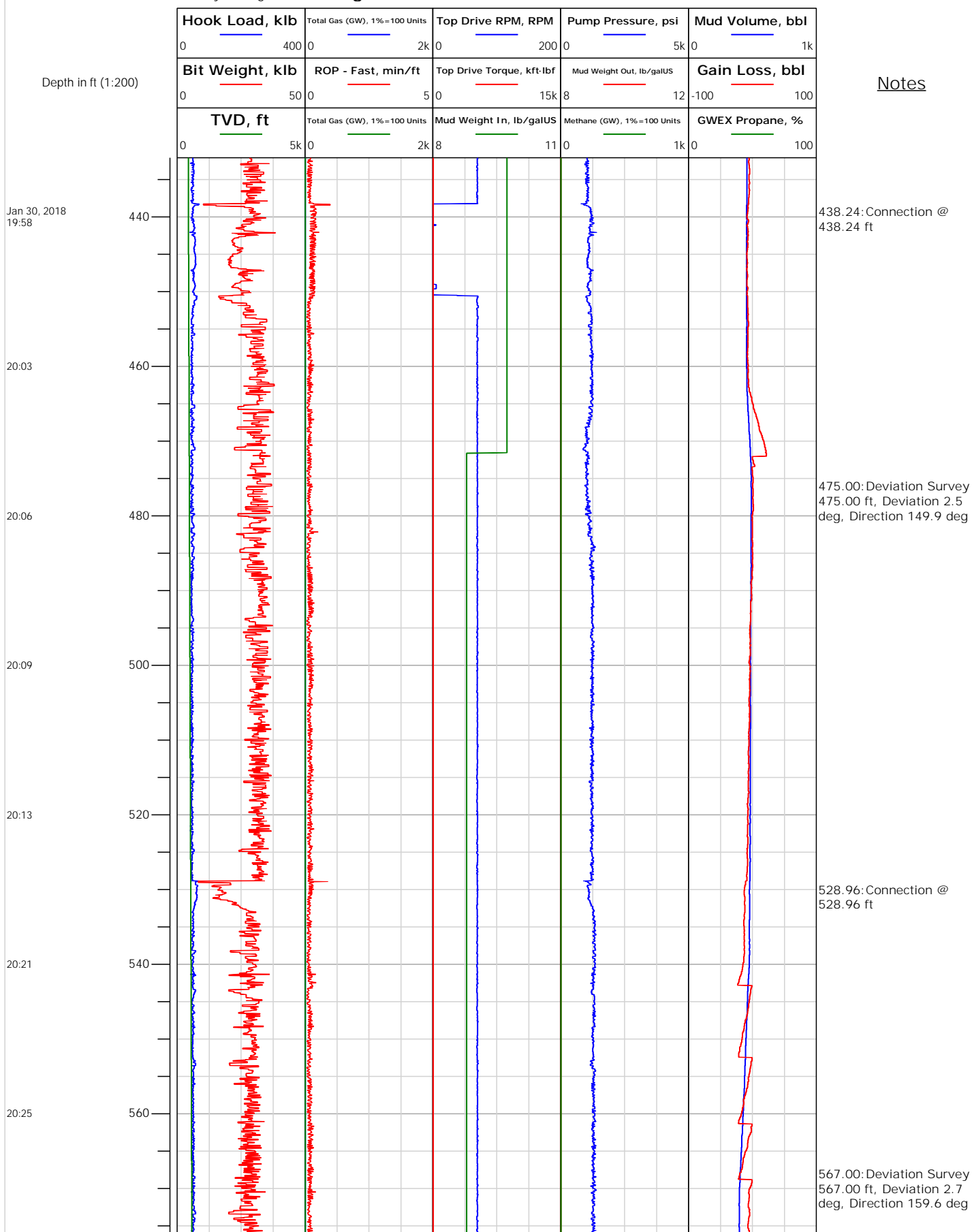
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

### Notes





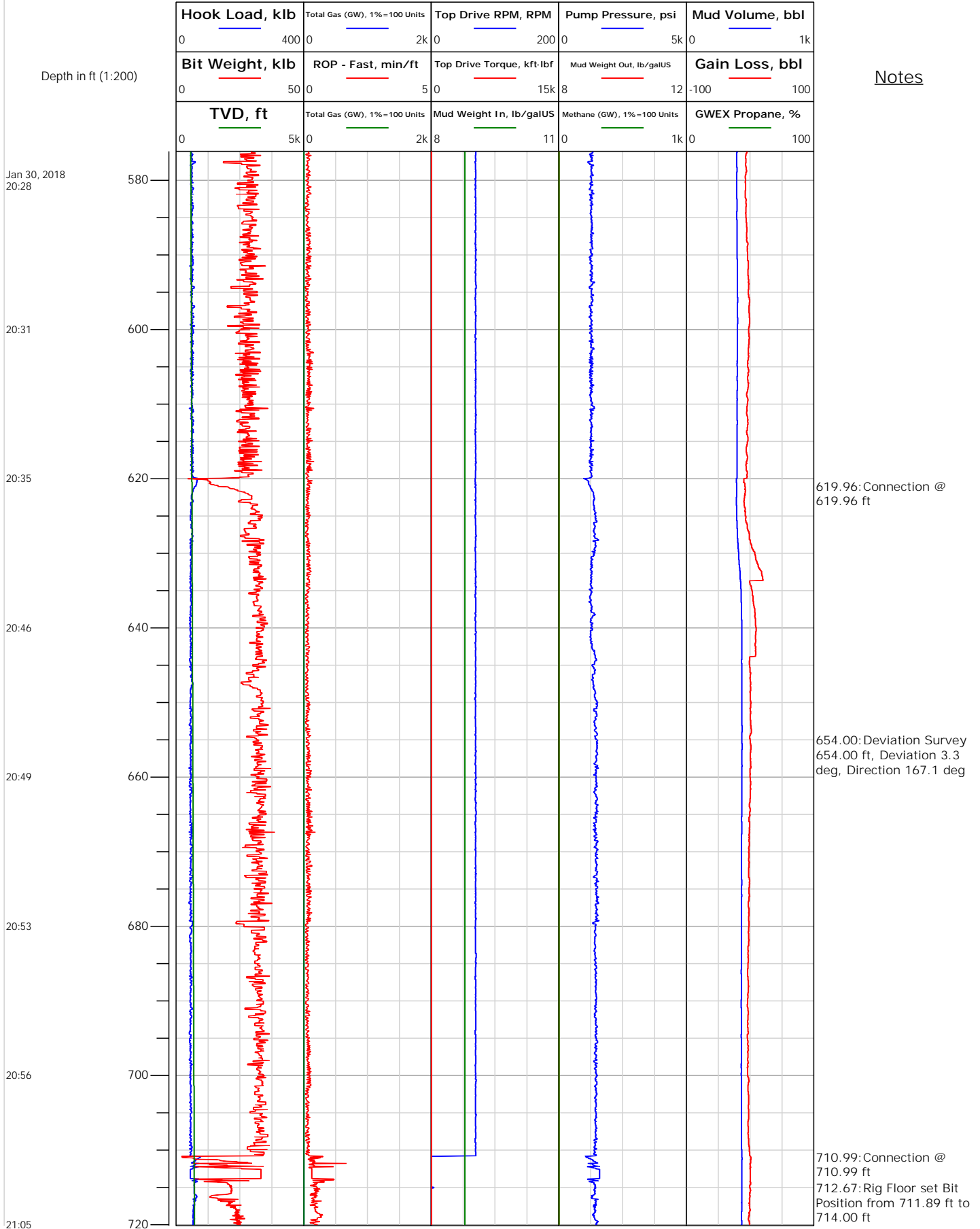
# Electronic Drilling Recorder

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

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes





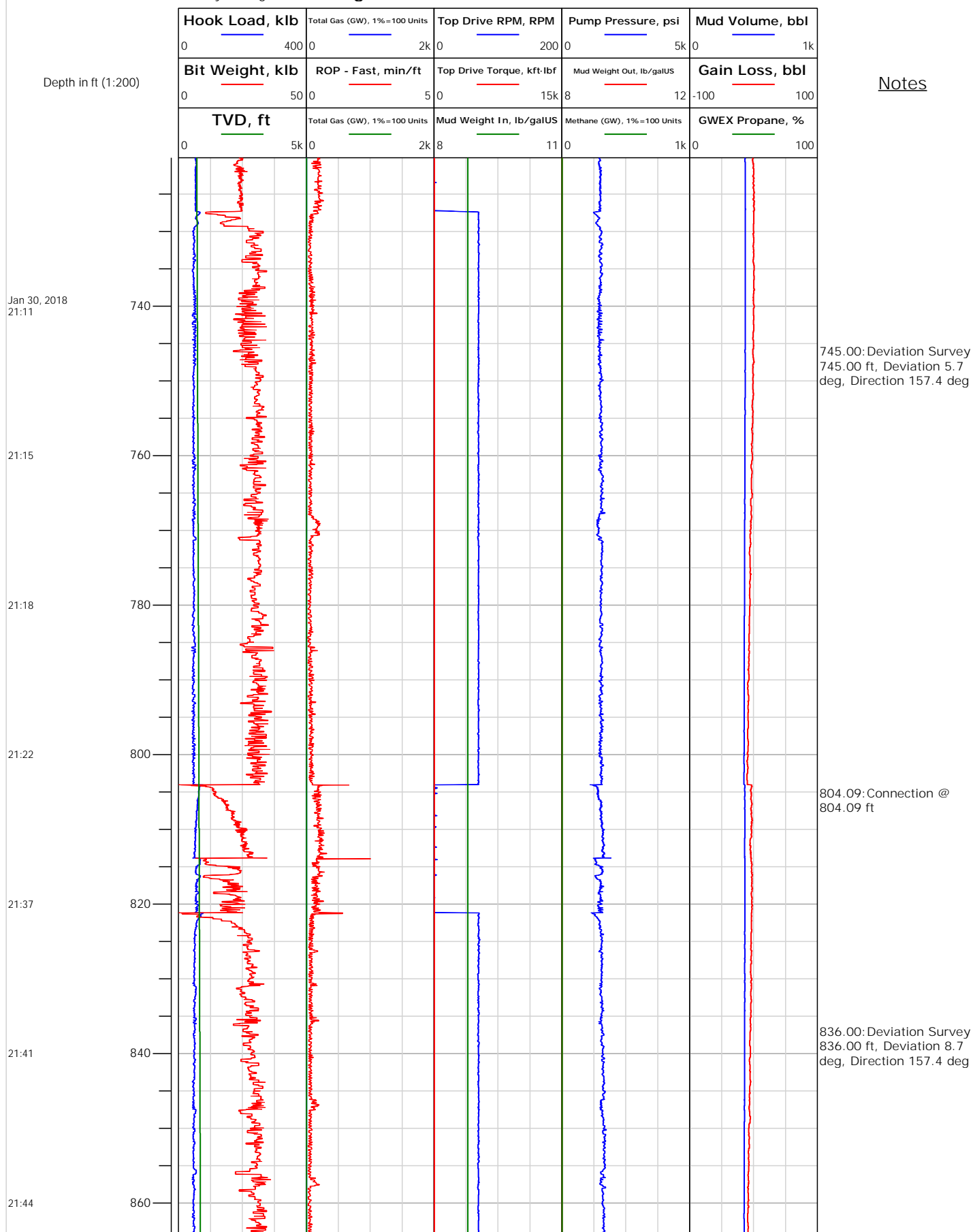
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Well Name: BRUTON 30-21E  
Rig: 522

Location:

Notes





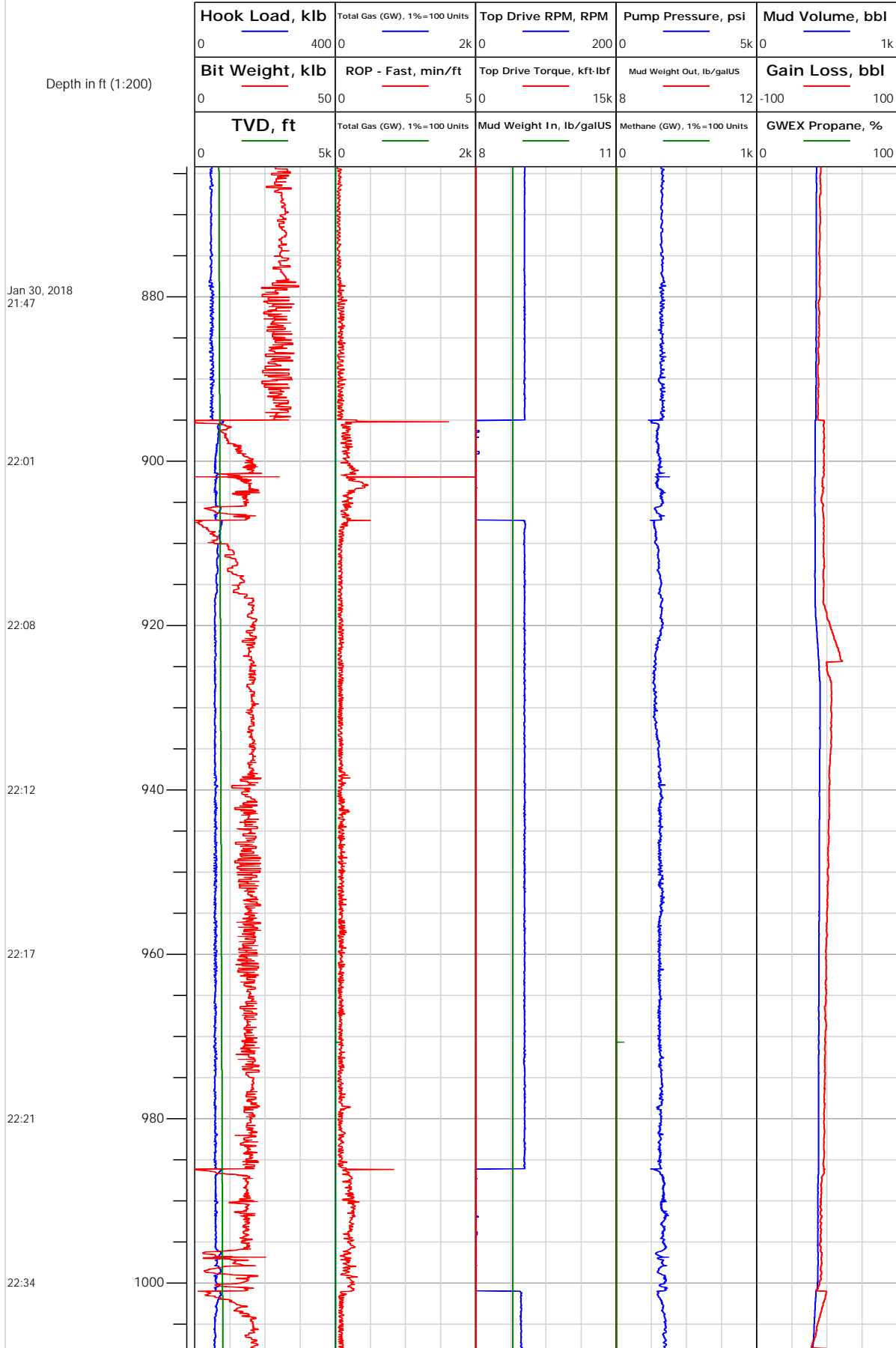
# Electronic Drilling Recorder

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

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes



927.00: Deviation Survey  
 927.00 ft, Deviation 10.8 deg, Direction 156.5 deg



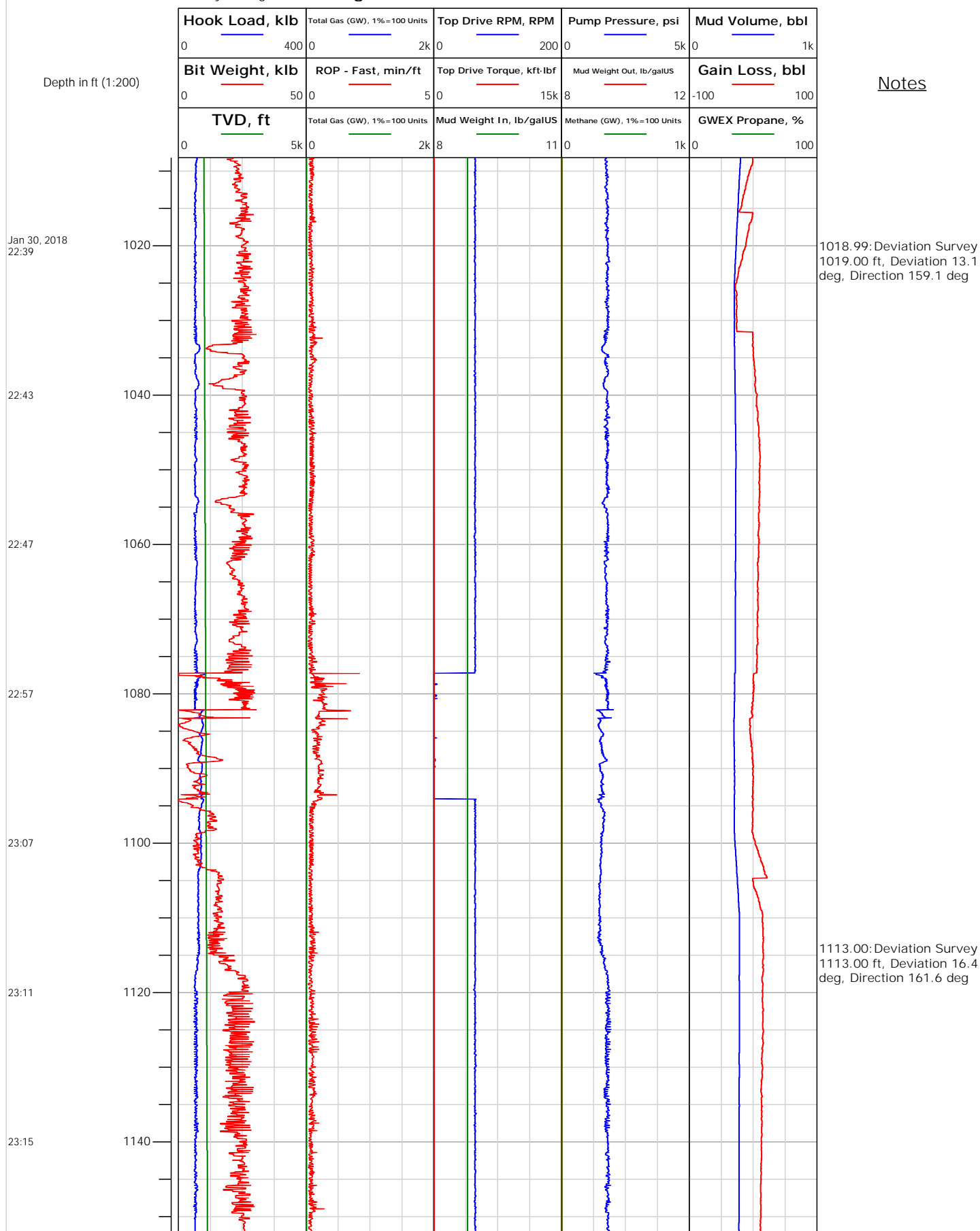
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

### Notes





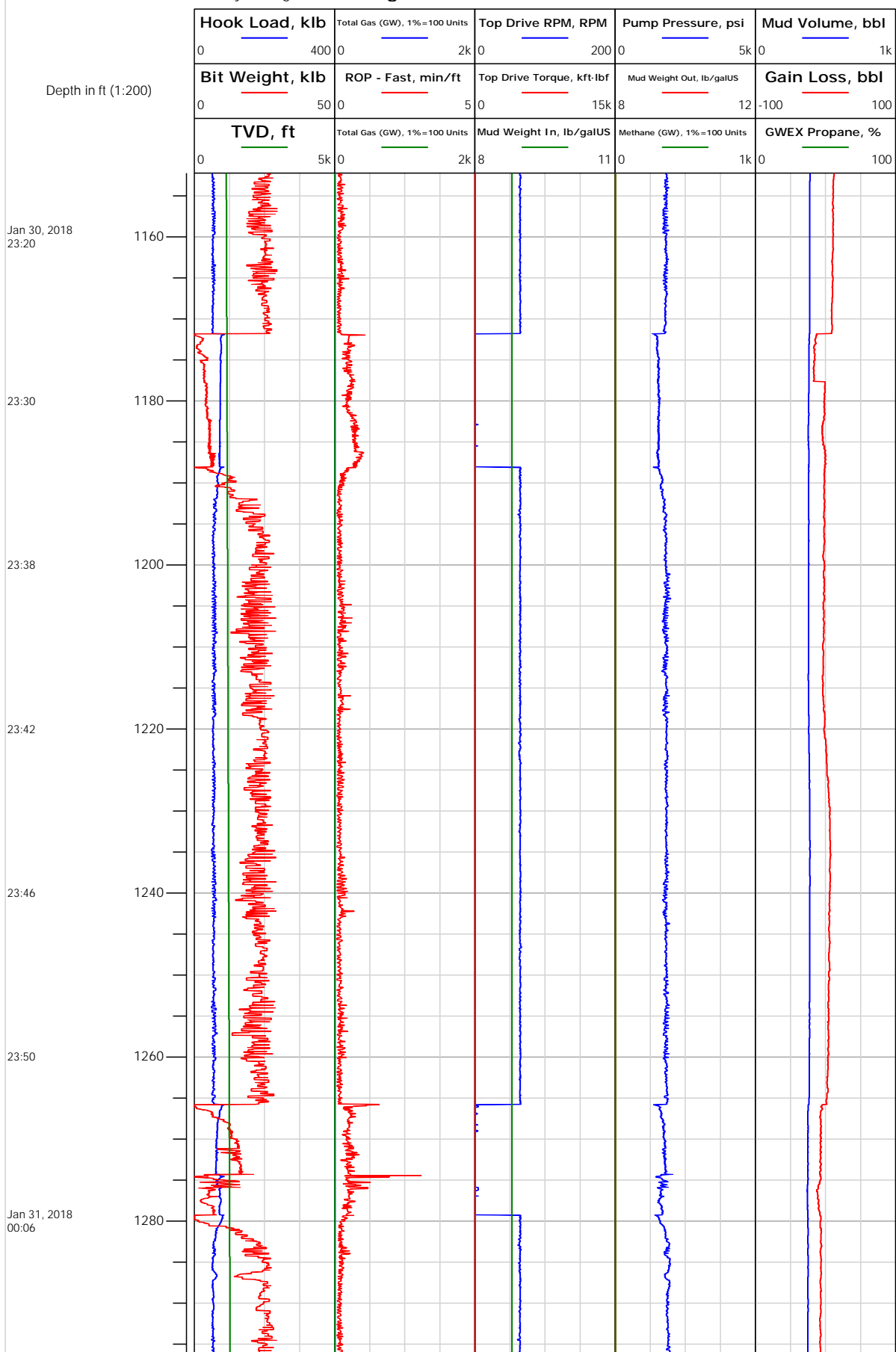
# Electronic Drilling Recorder

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

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes



1207.00: Deviation Survey  
1207.00 ft, Deviation 19.6 deg, Direction 160.5 deg



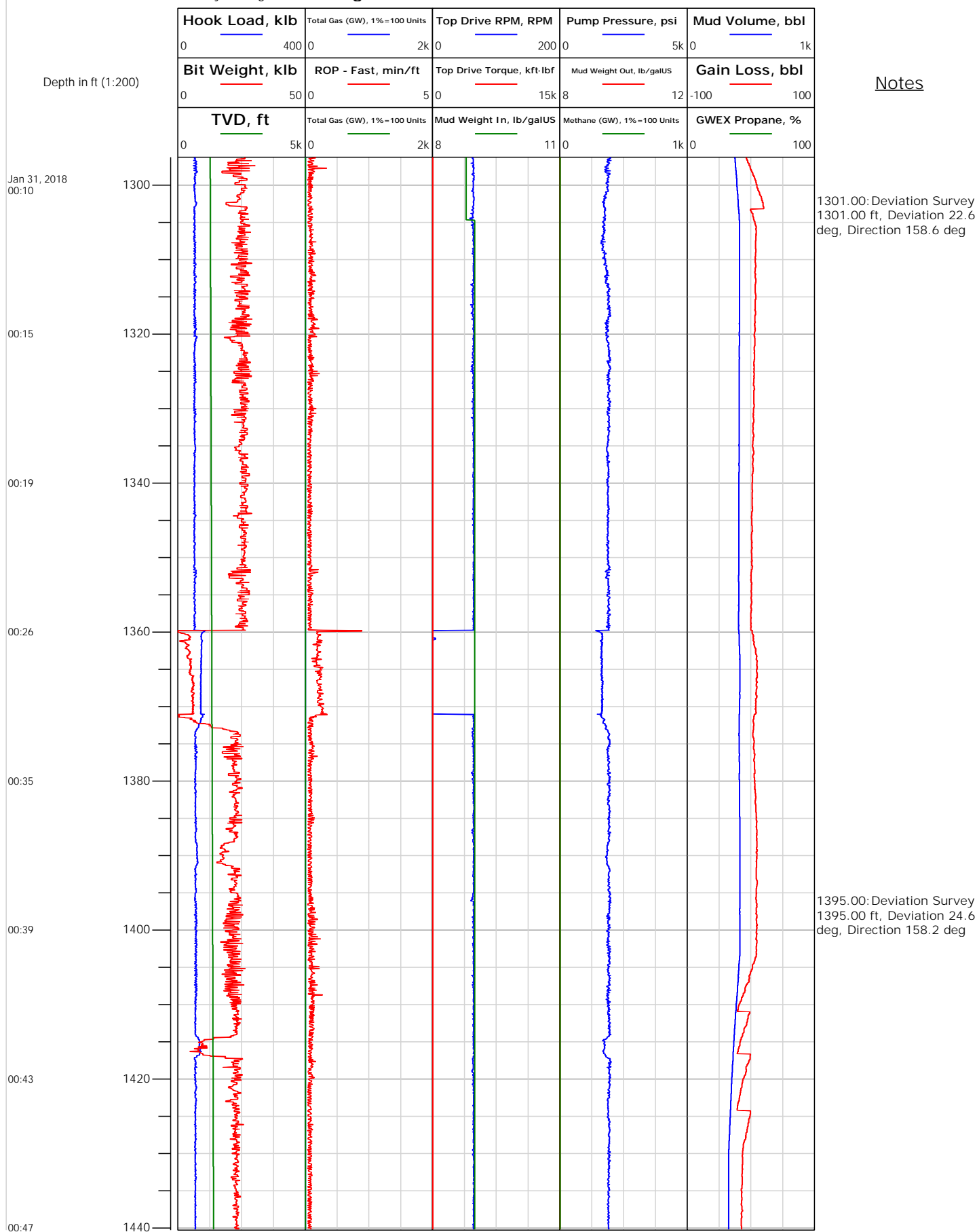
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Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

### Notes





# Electronic Drilling Recorder

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

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes

Depth in ft (1:200)

Jan 31, 2018  
01:01

01:09

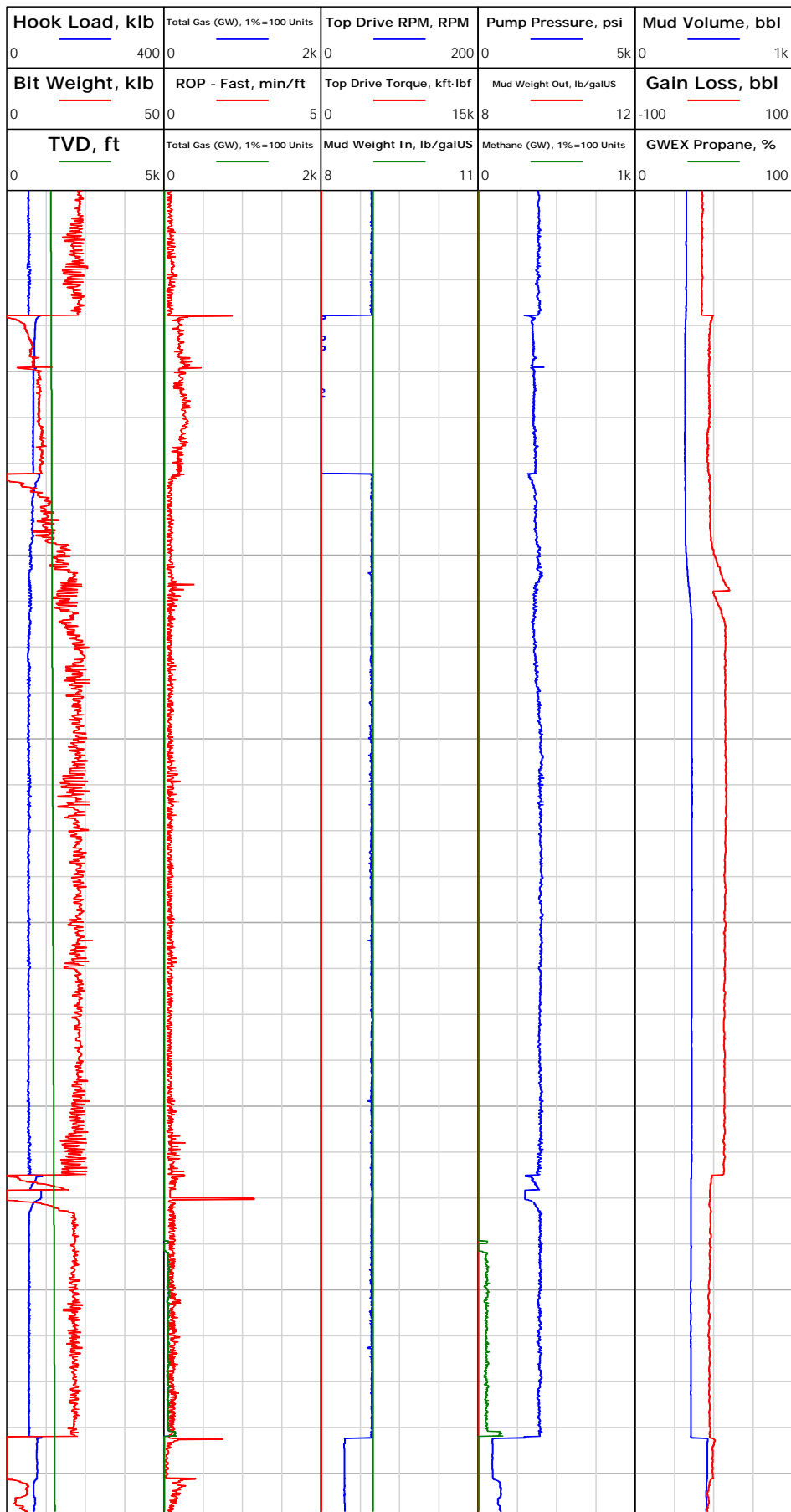
01:13

01:17

01:21

01:34

17:27





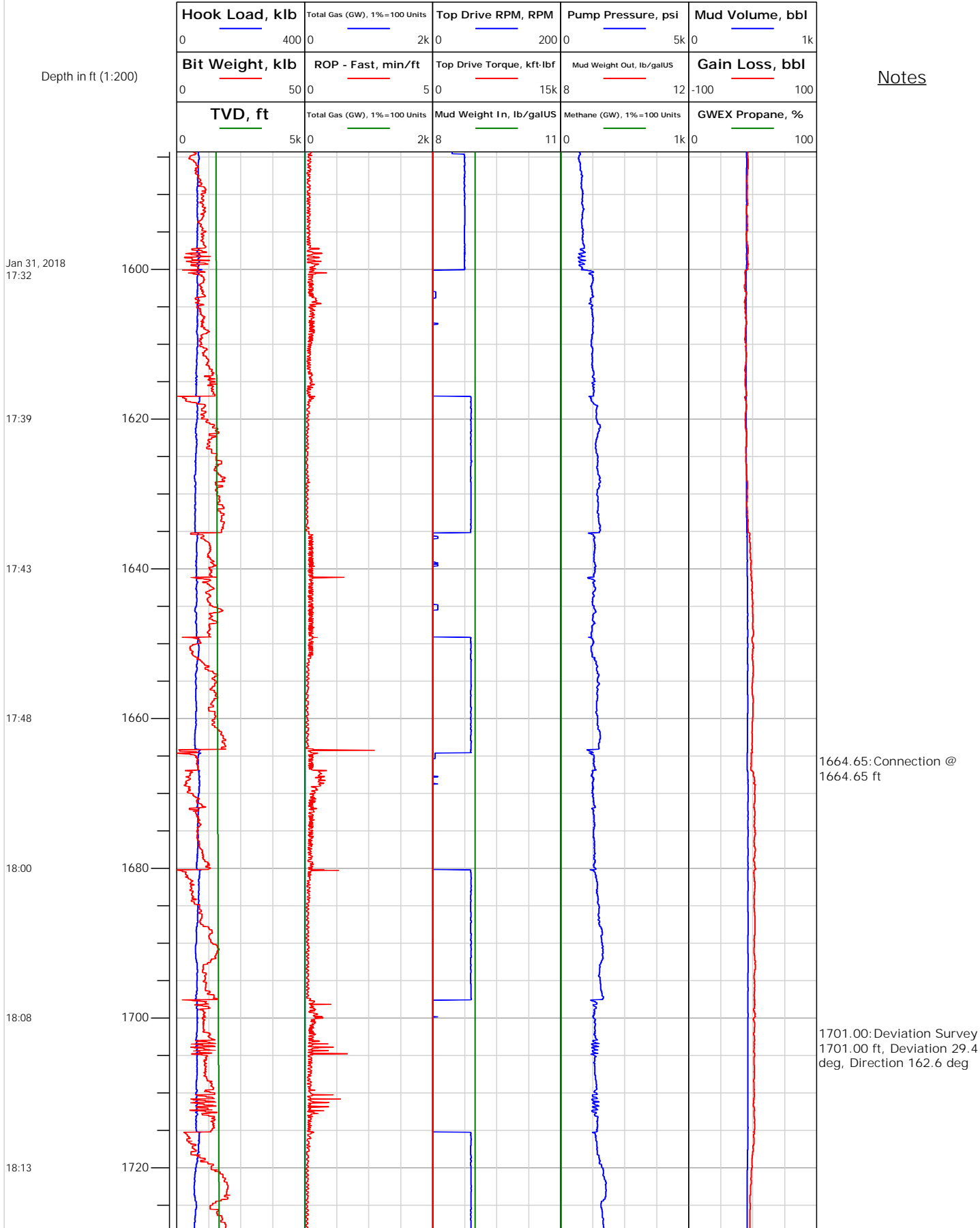
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**Operator:** Laramie Energy  
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**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes





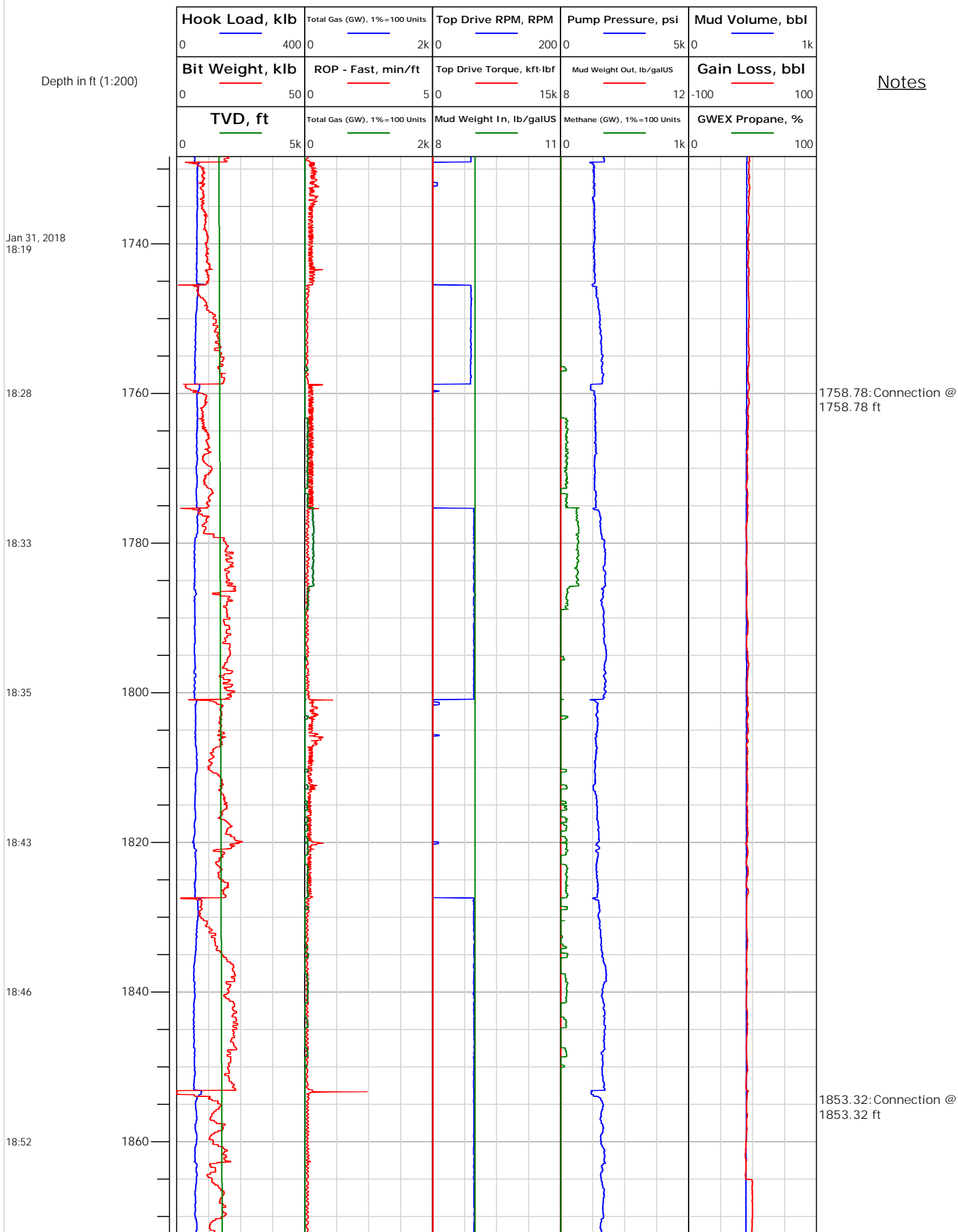
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**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes





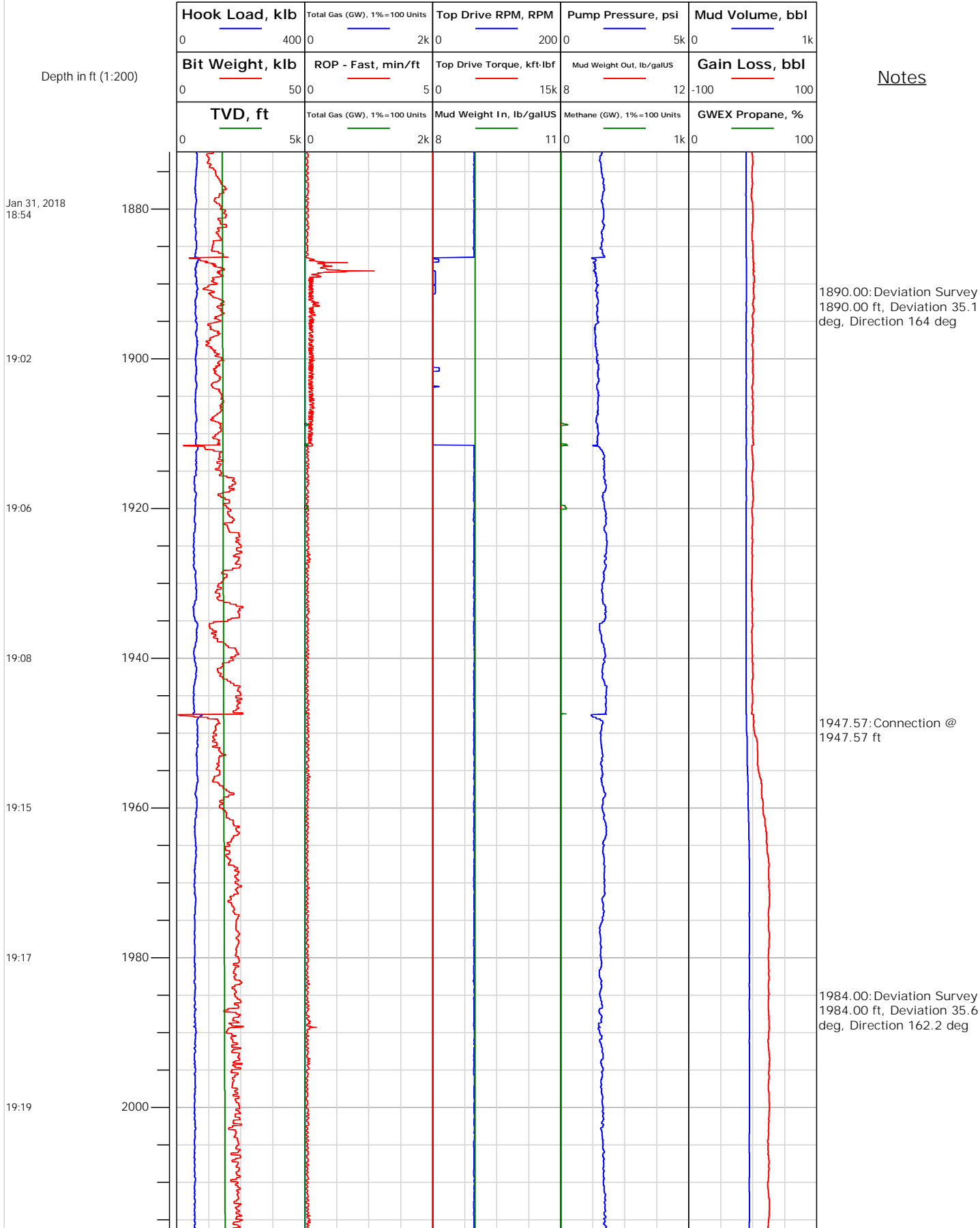
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**Rig:** 522

**Location:**

Notes



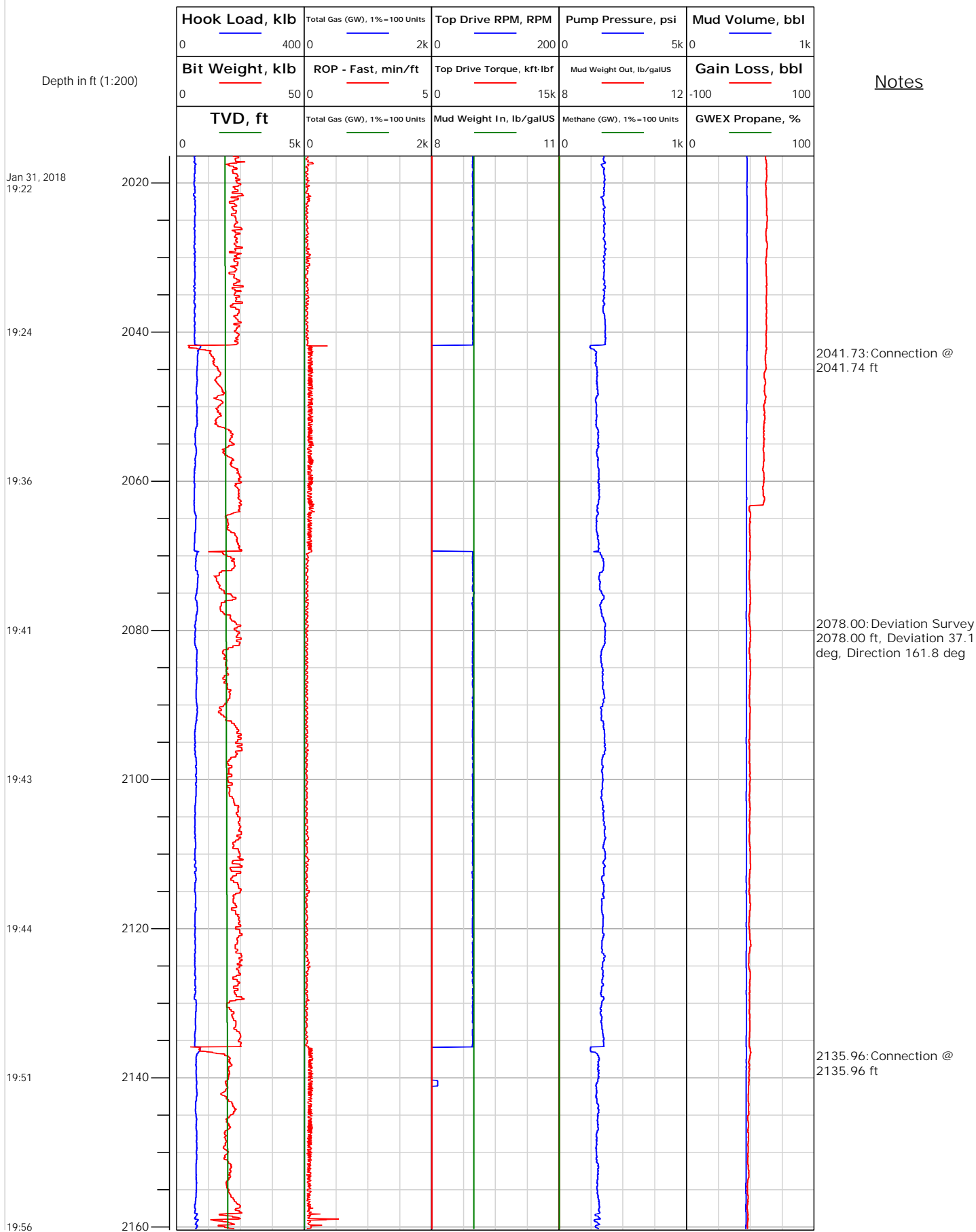


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Rig: 522

Location:





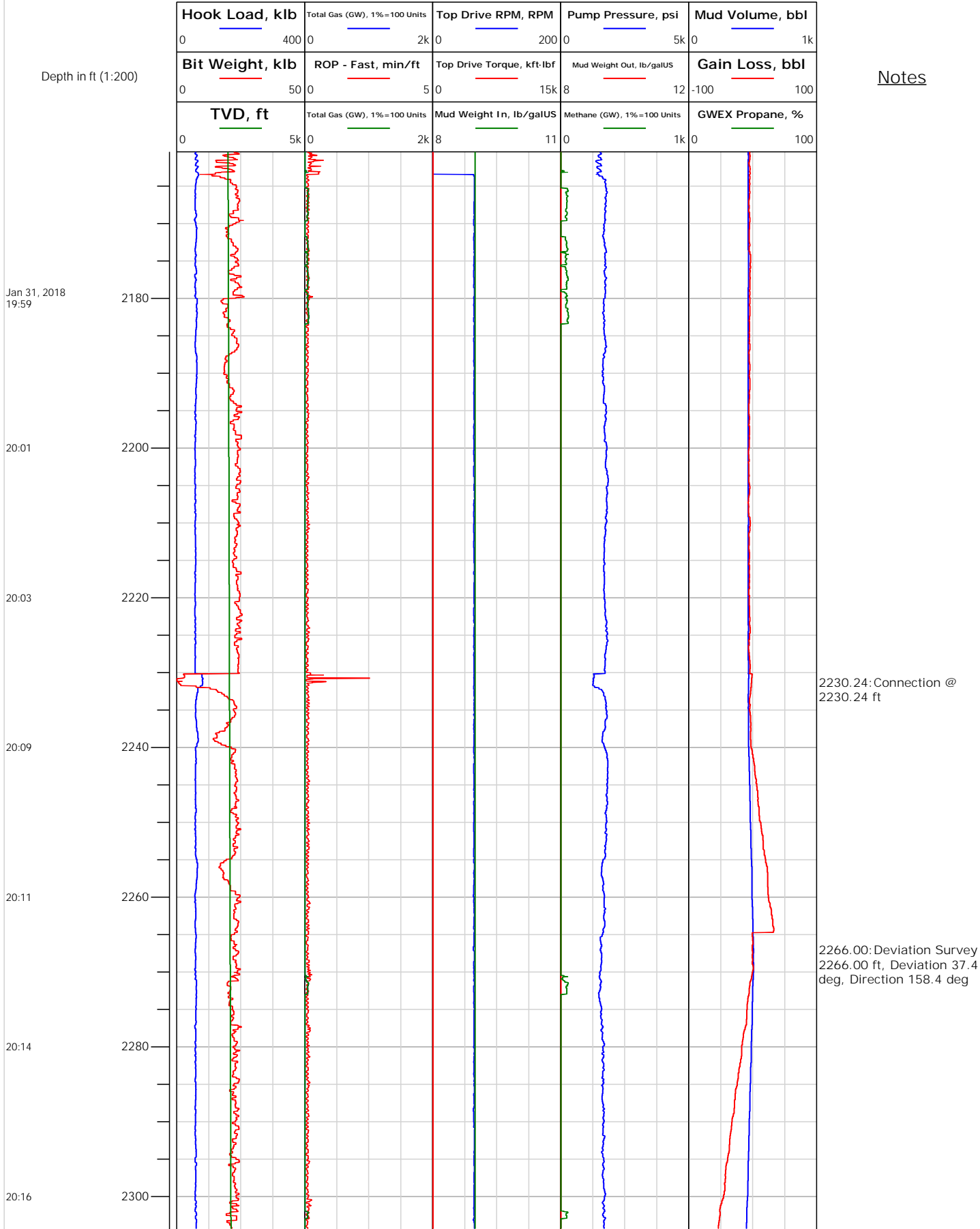
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**Rig:** 522

**Location:**

Notes





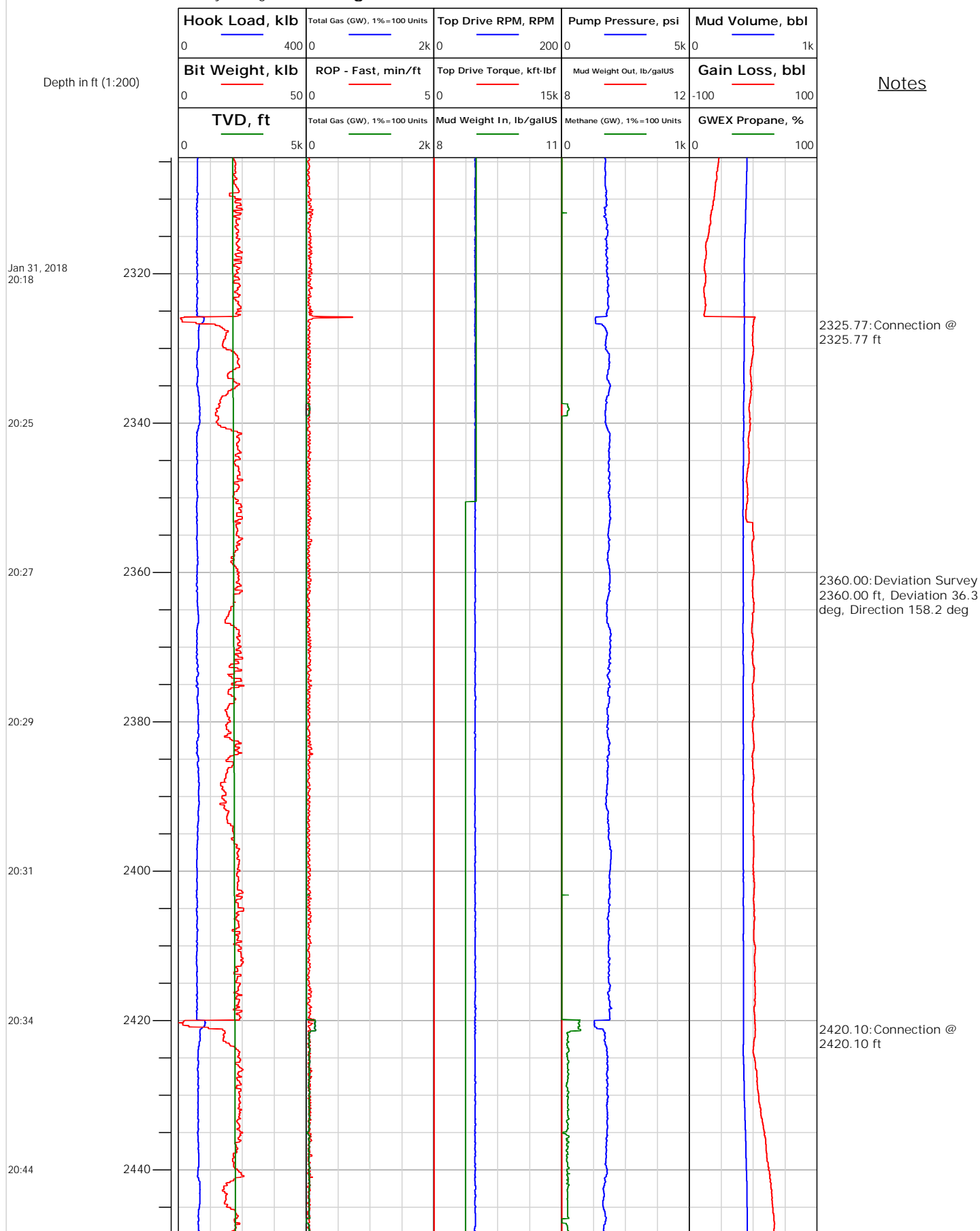
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Rig: 522

Location:

Notes





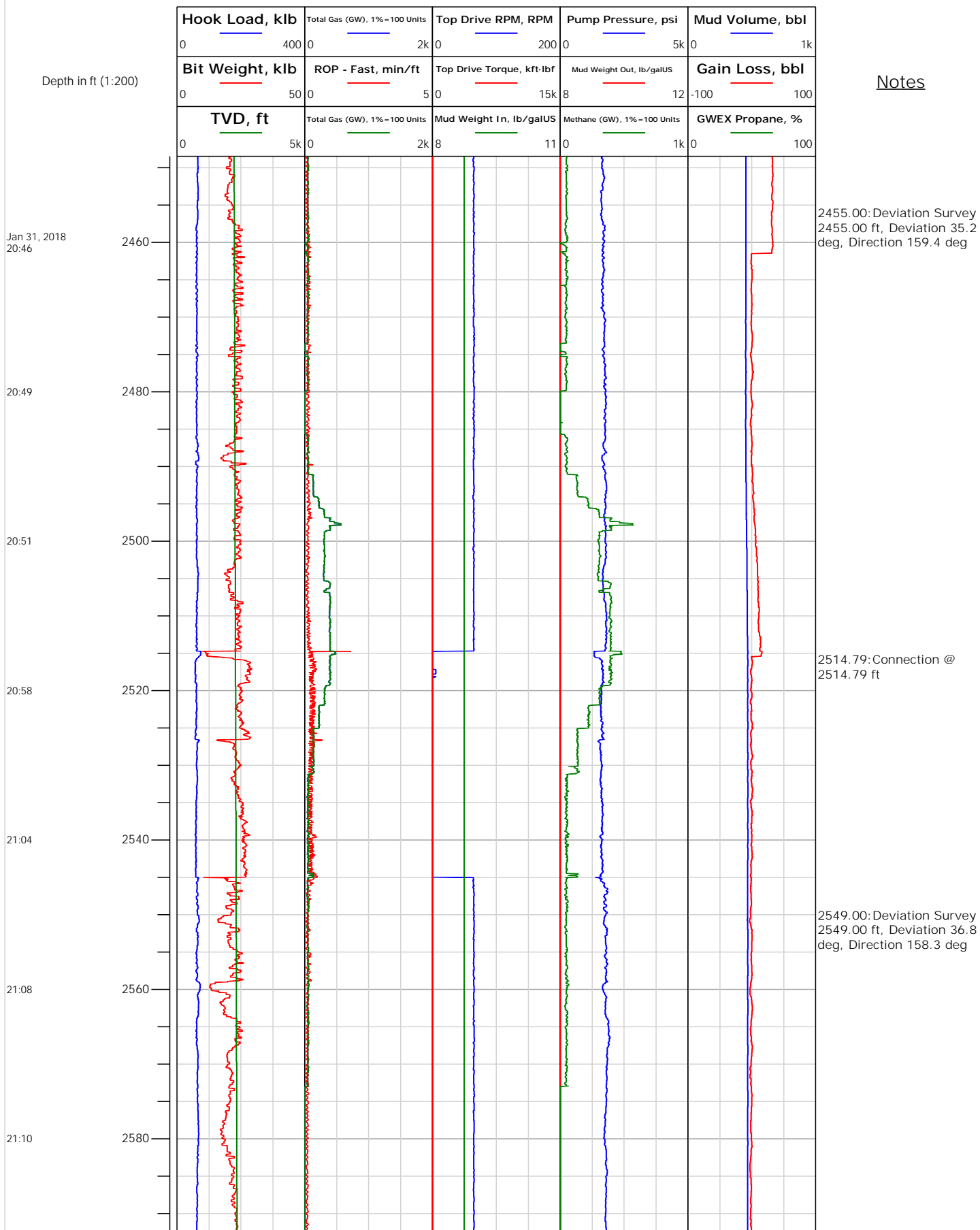
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Well Name: BRUTON 30-21E  
Rig: 522

Location:

## Notes





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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

### Notes

Depth in ft (1:200)

Jan 31, 2018  
21:12

21:19

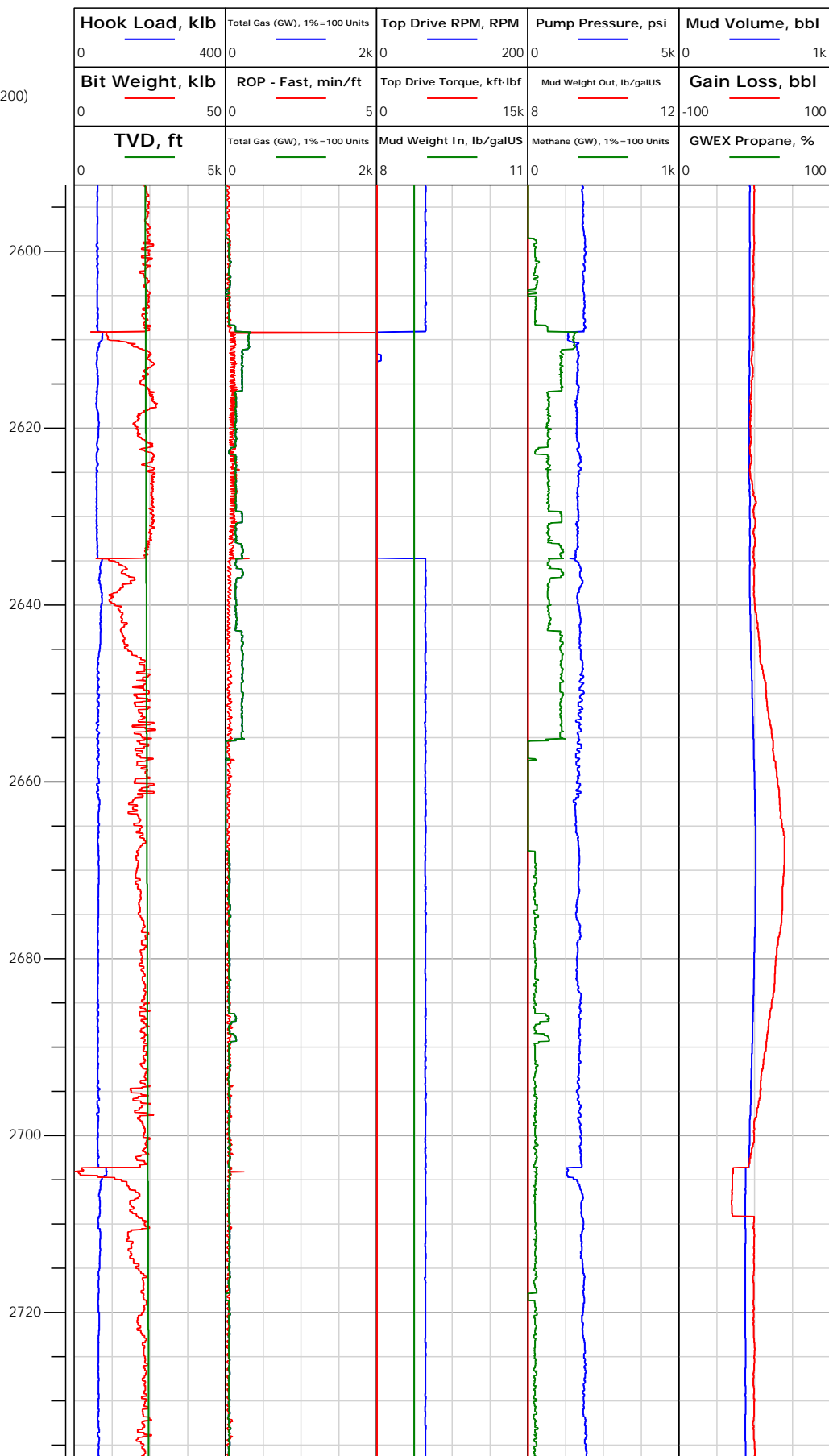
21:25

21:27

21:29

21:31

21:37



2609.09: Connection @  
2609.09 ft

2643.00: Deviation Survey  
2643.00 ft, Deviation 37.6  
deg, Direction 157.5 deg

2703.76: Connection @  
2703.76 ft



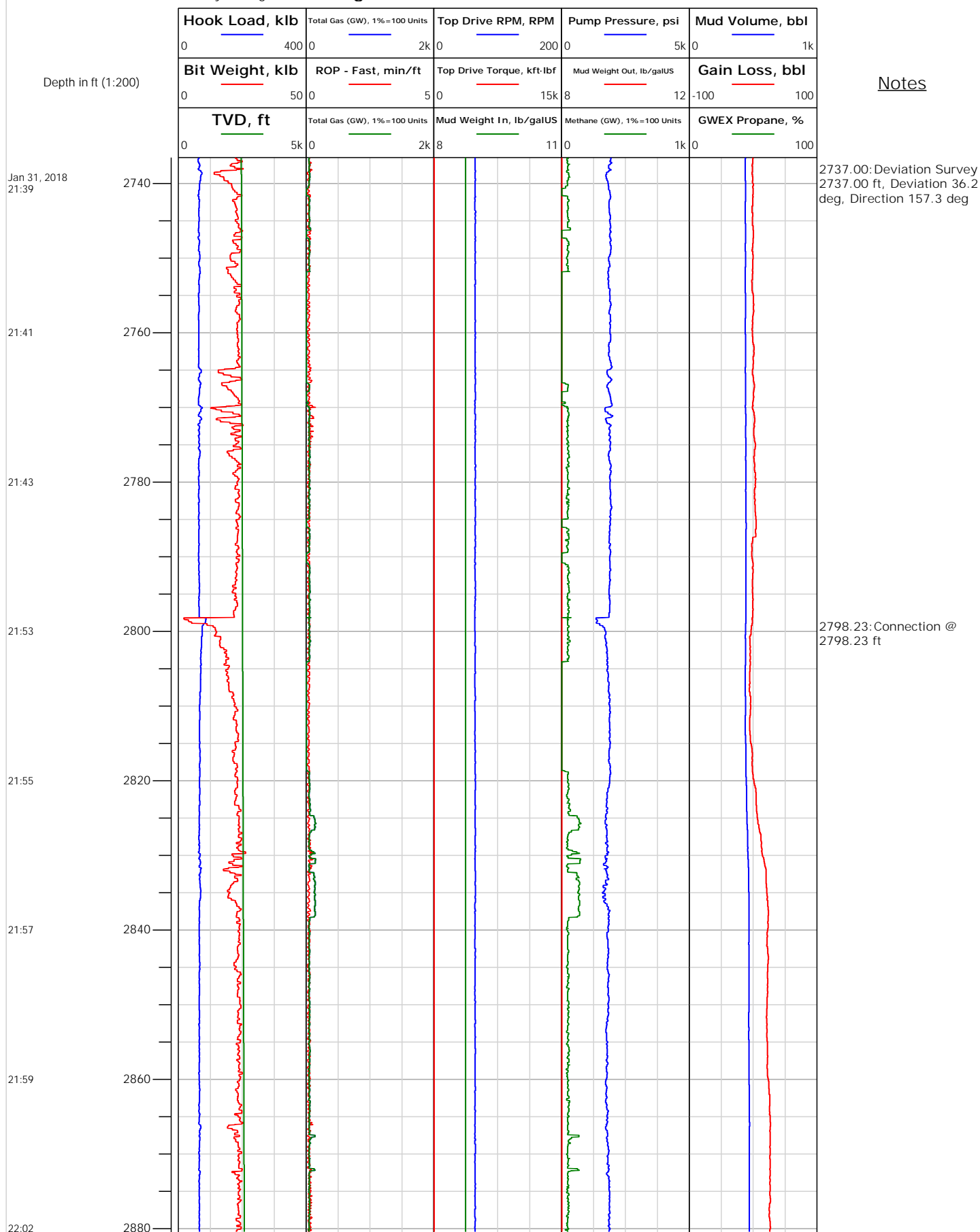
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Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

### Notes





# Electronic Drilling Recorder

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

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes

Depth in ft (1:200)

Jan 31, 2018  
22:09

22:11

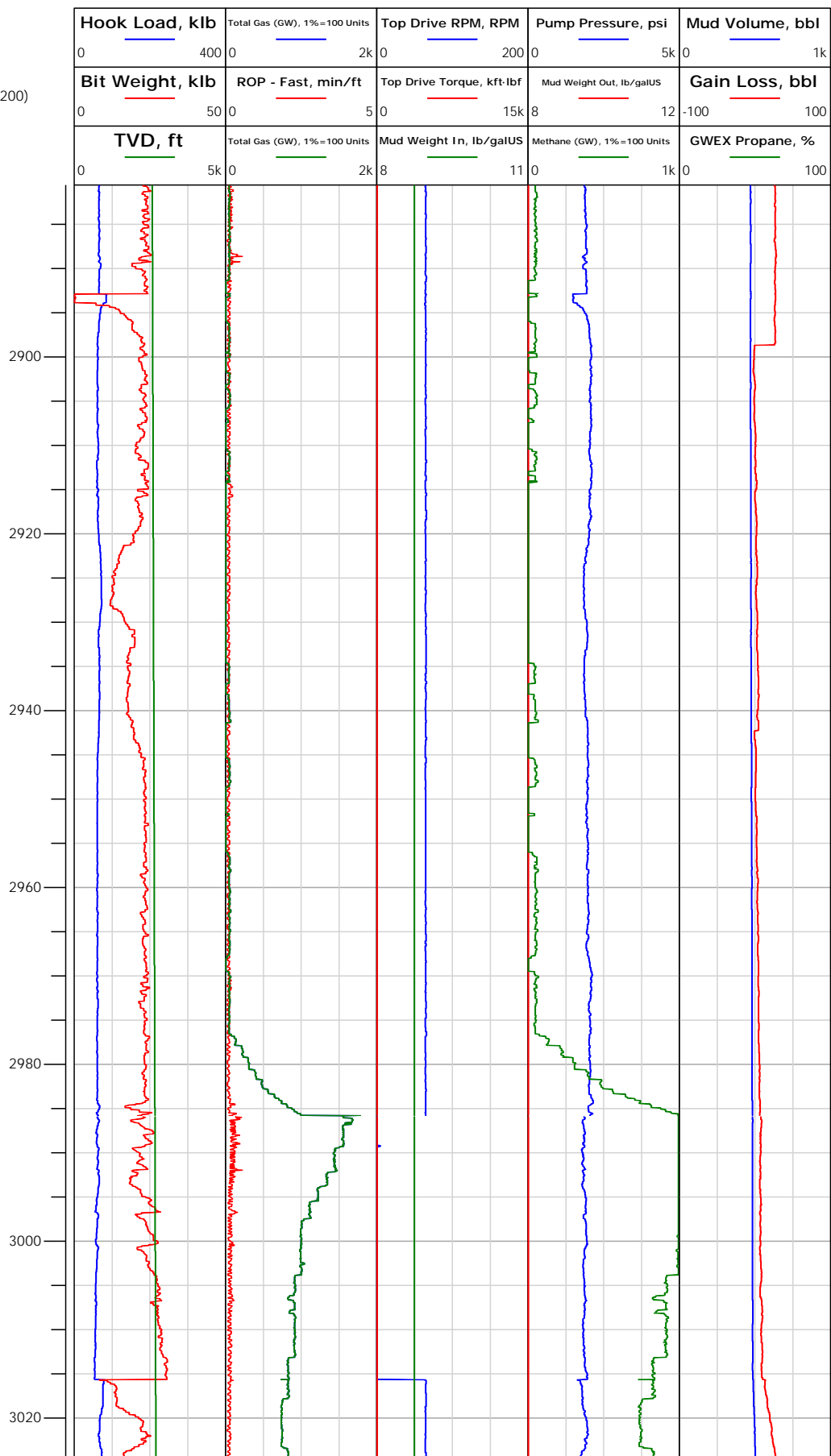
22:13

22:15

22:17

22:26

22:30





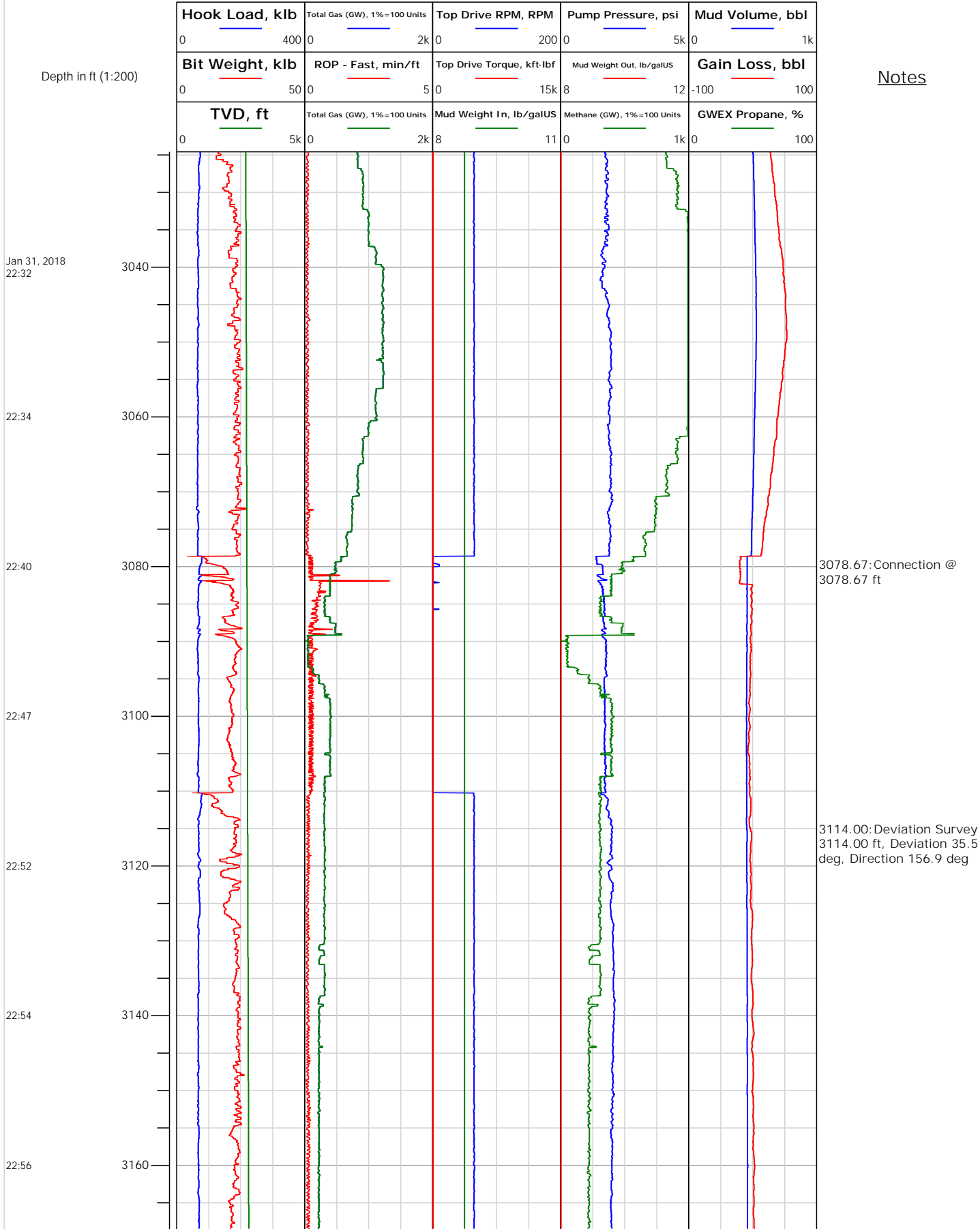
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**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes





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Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

## Notes

Depth in ft (1:200)

Jan 31, 2018  
23:14

23:17

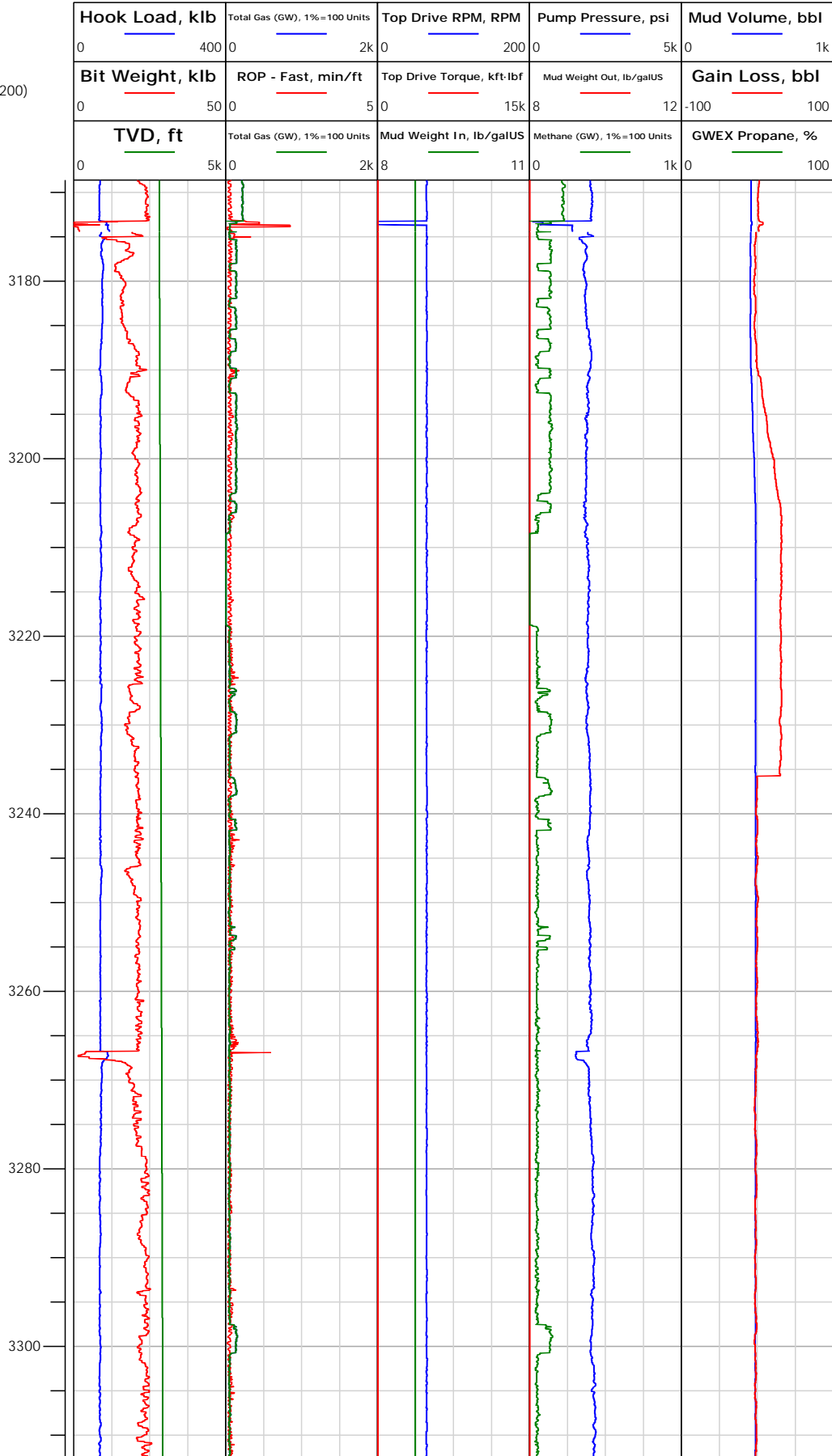
23:20

23:22

23:26

23:33

23:35



3173.33: Connection @  
3173.33 ft  
3176.79: Rig Floor set Hole  
Depth from 3176.27 ft to  
3174.40 ft

3208.00: Deviation Survey  
3208.00 ft, Deviation 35.2  
deg, Direction 156.6 deg

3266.89: Connection @  
3266.89 ft

3302.00: Deviation Survey  
3302.00 ft, Deviation 34.4  
deg, Direction 156 deg



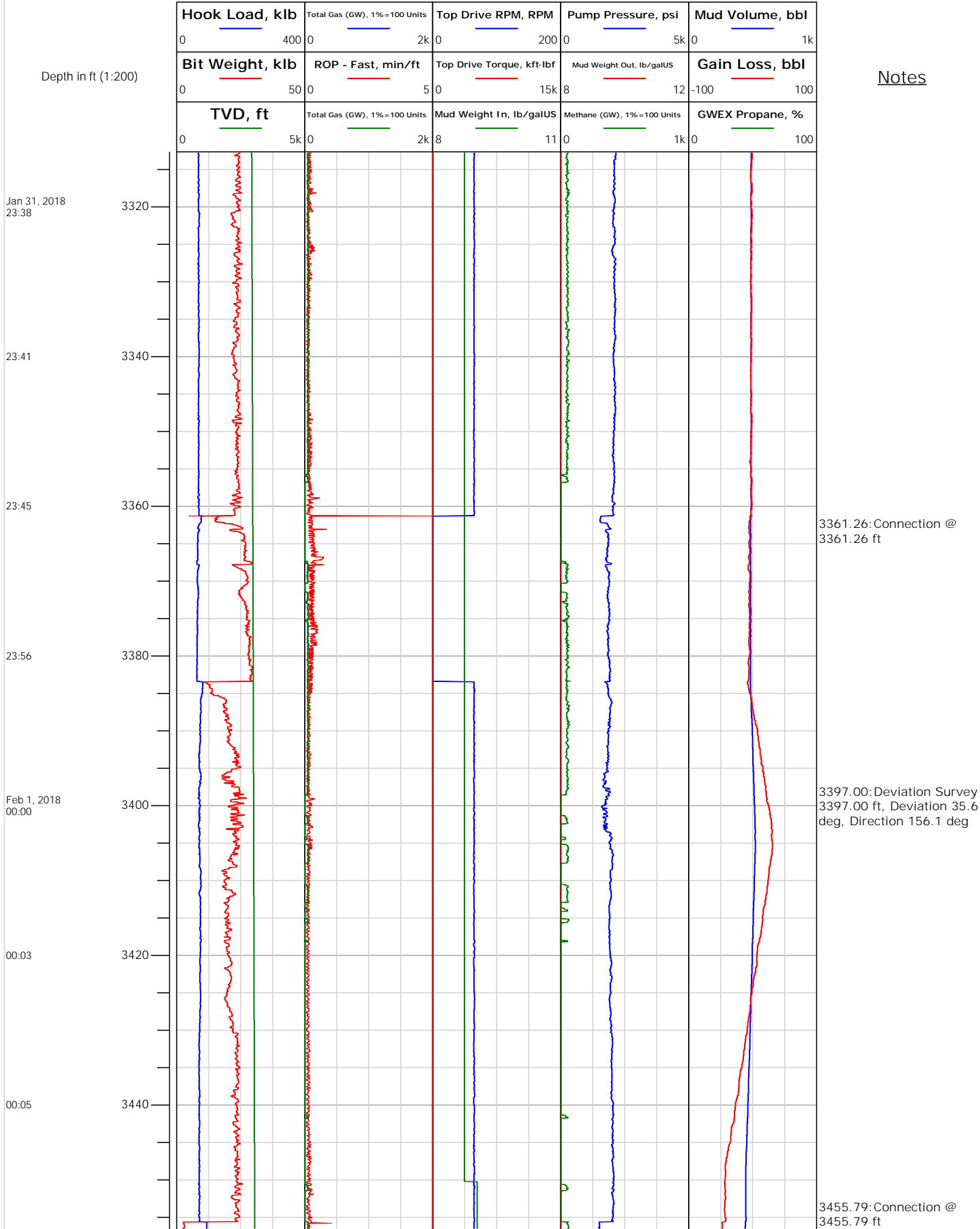
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**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes





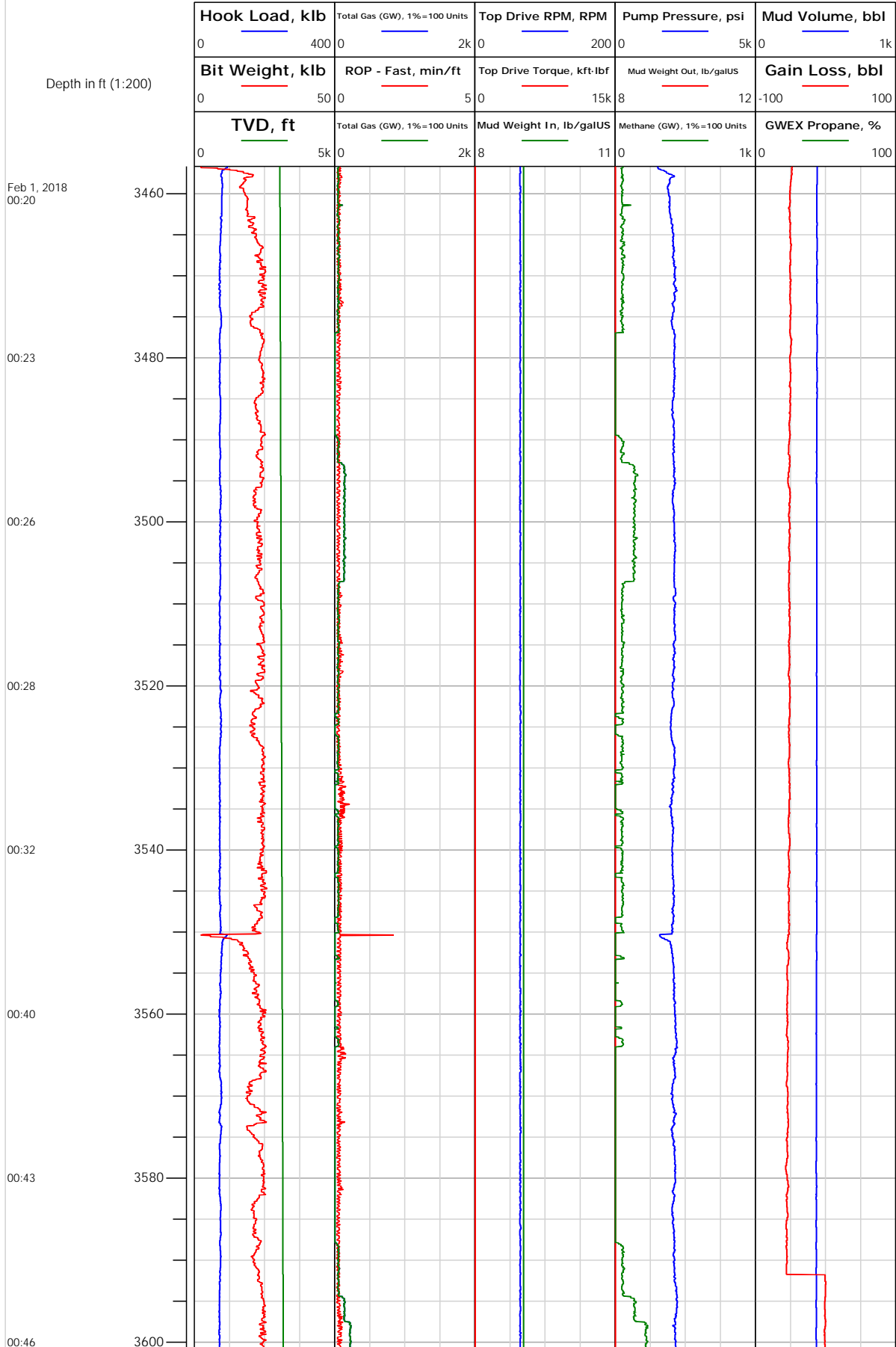
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**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes





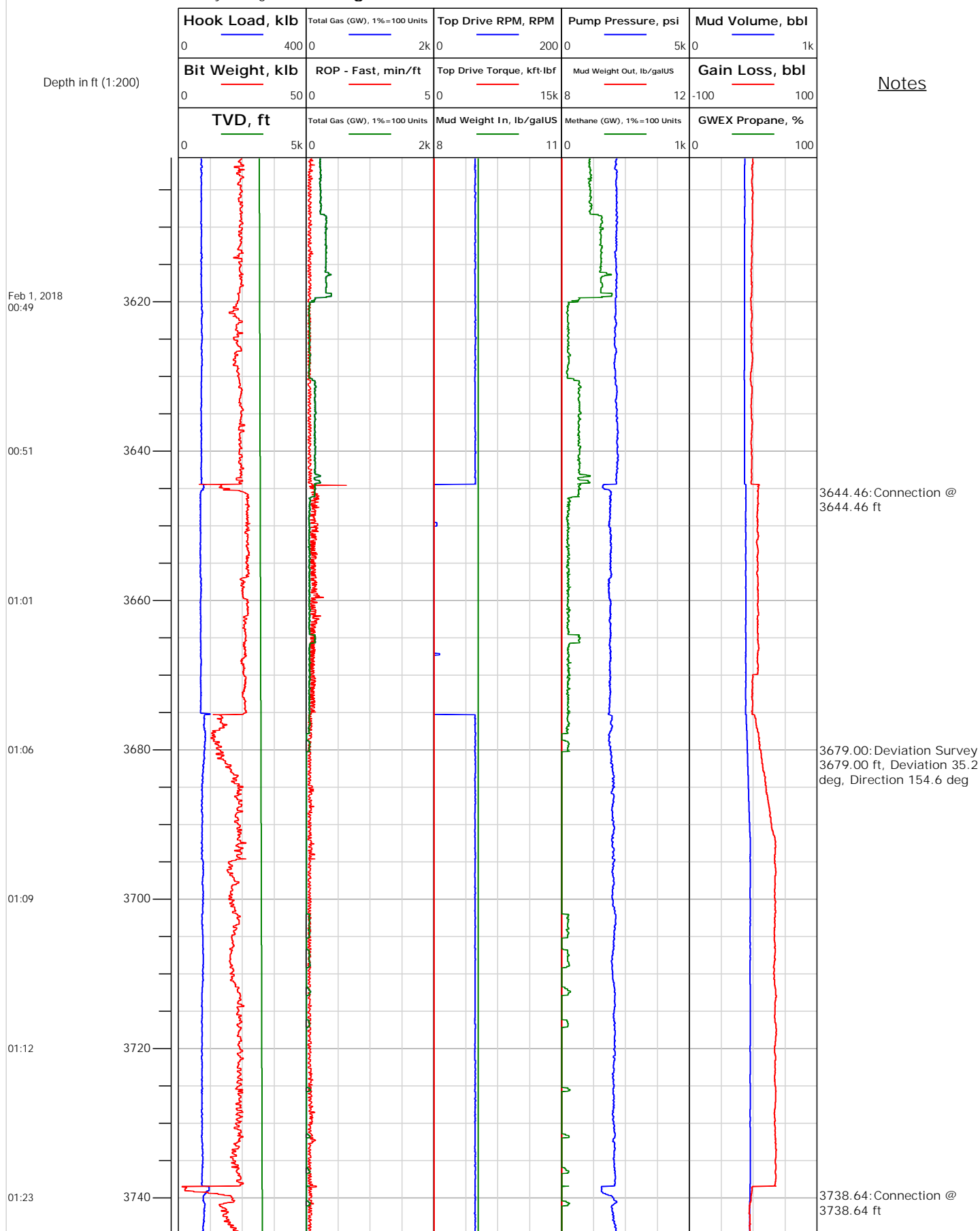
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Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

Notes





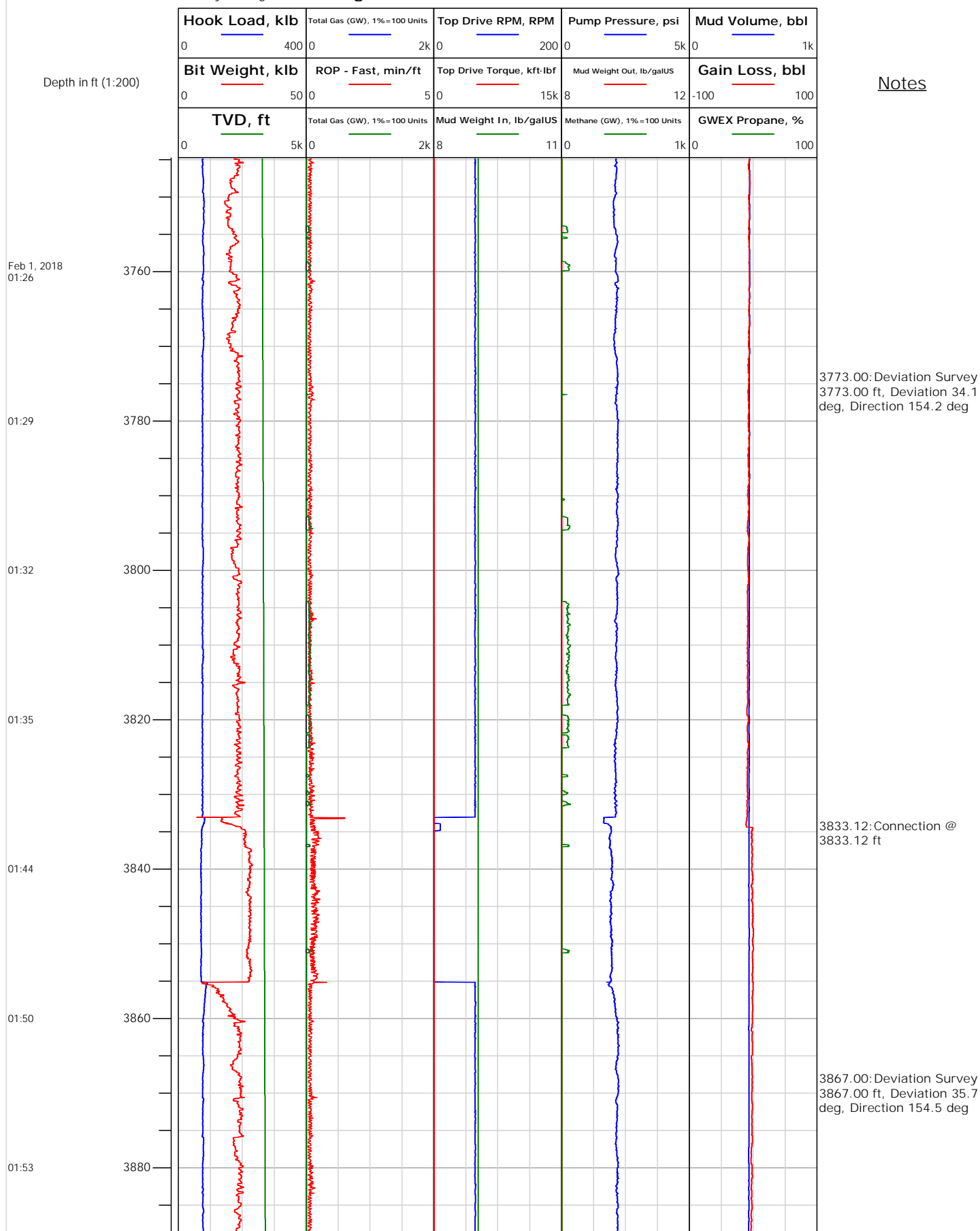
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Operator: Laramie Energy  
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Well Name: BRUTON 30-21E  
Rig: 522

Location:

Notes





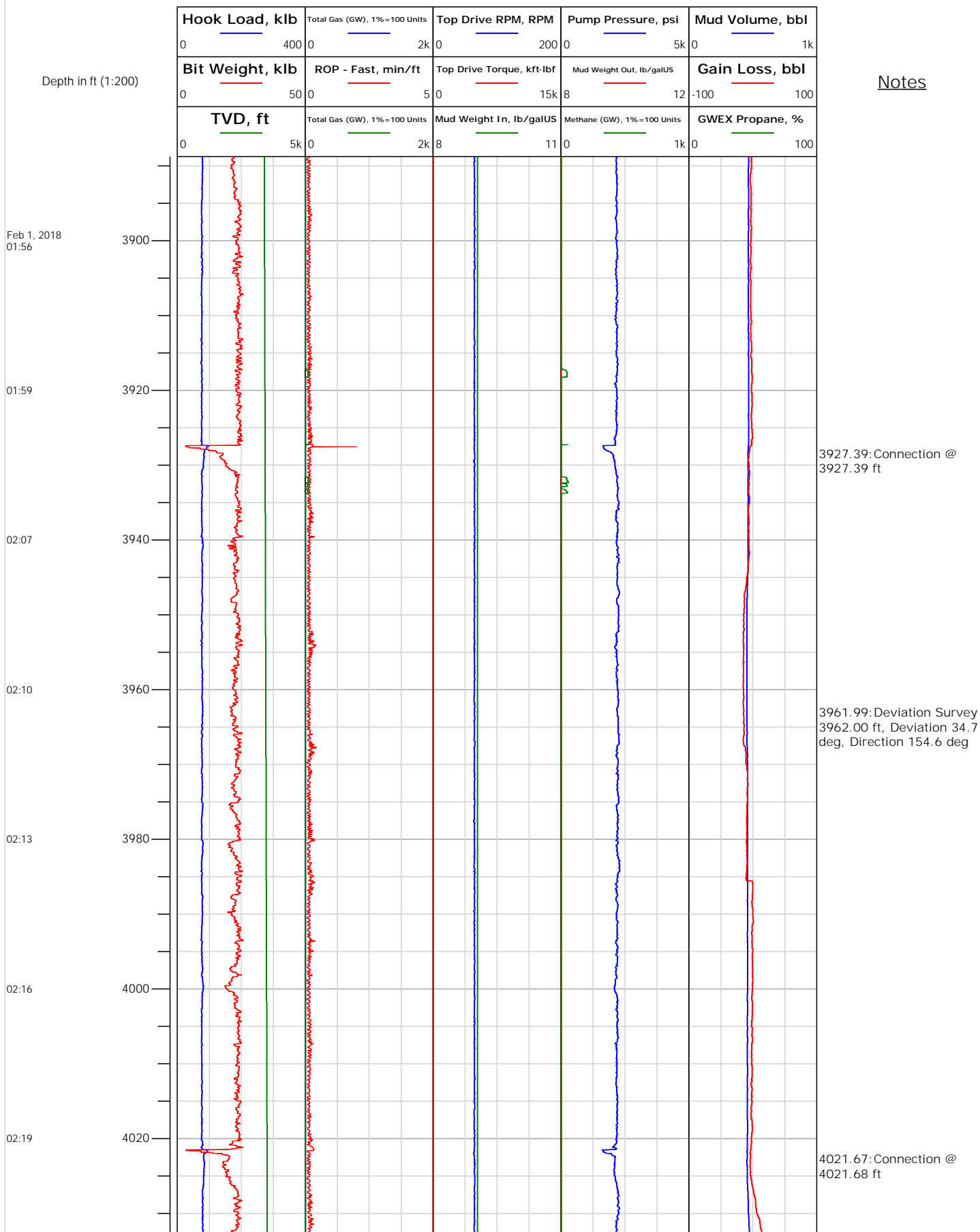
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**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes





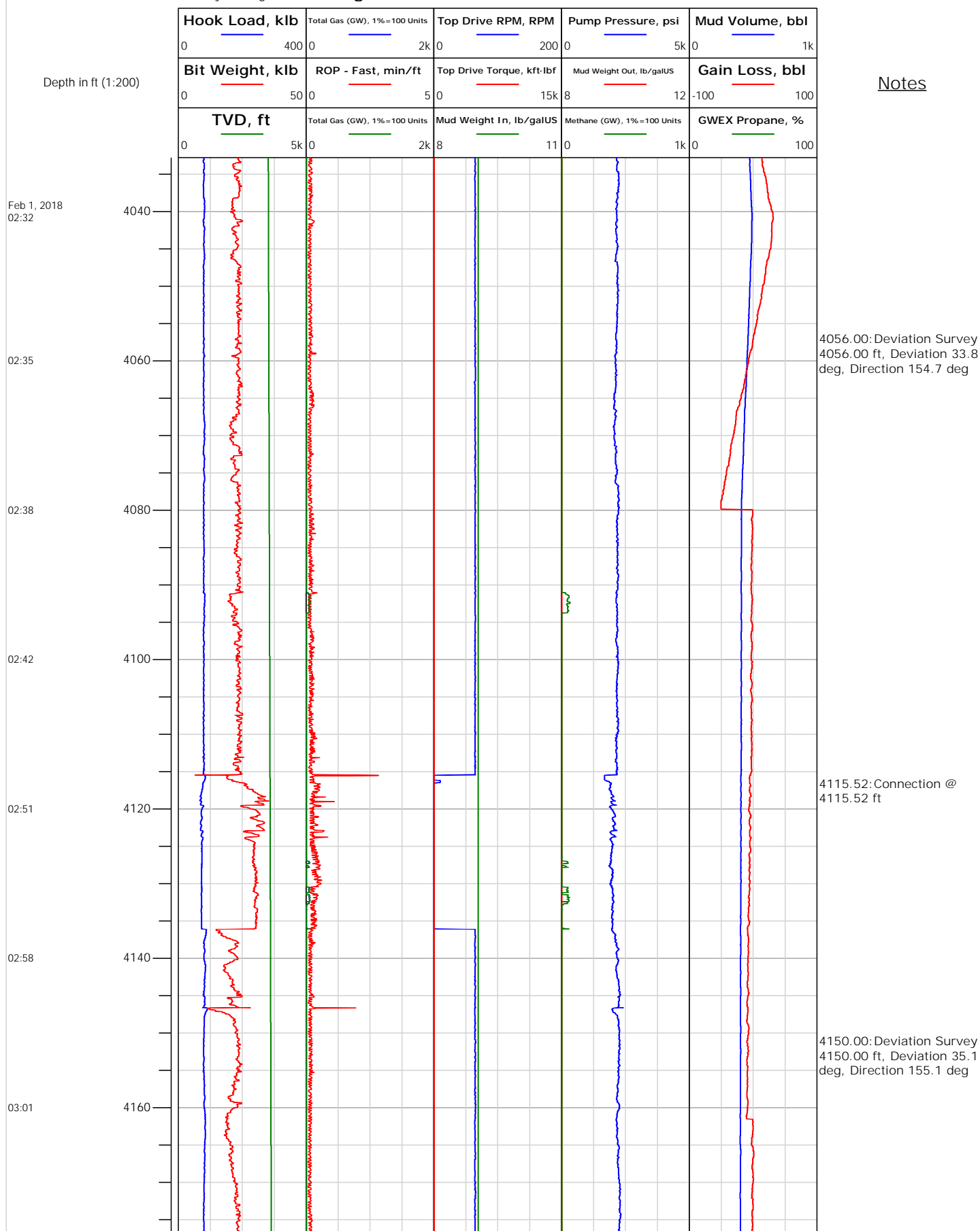
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Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

Notes





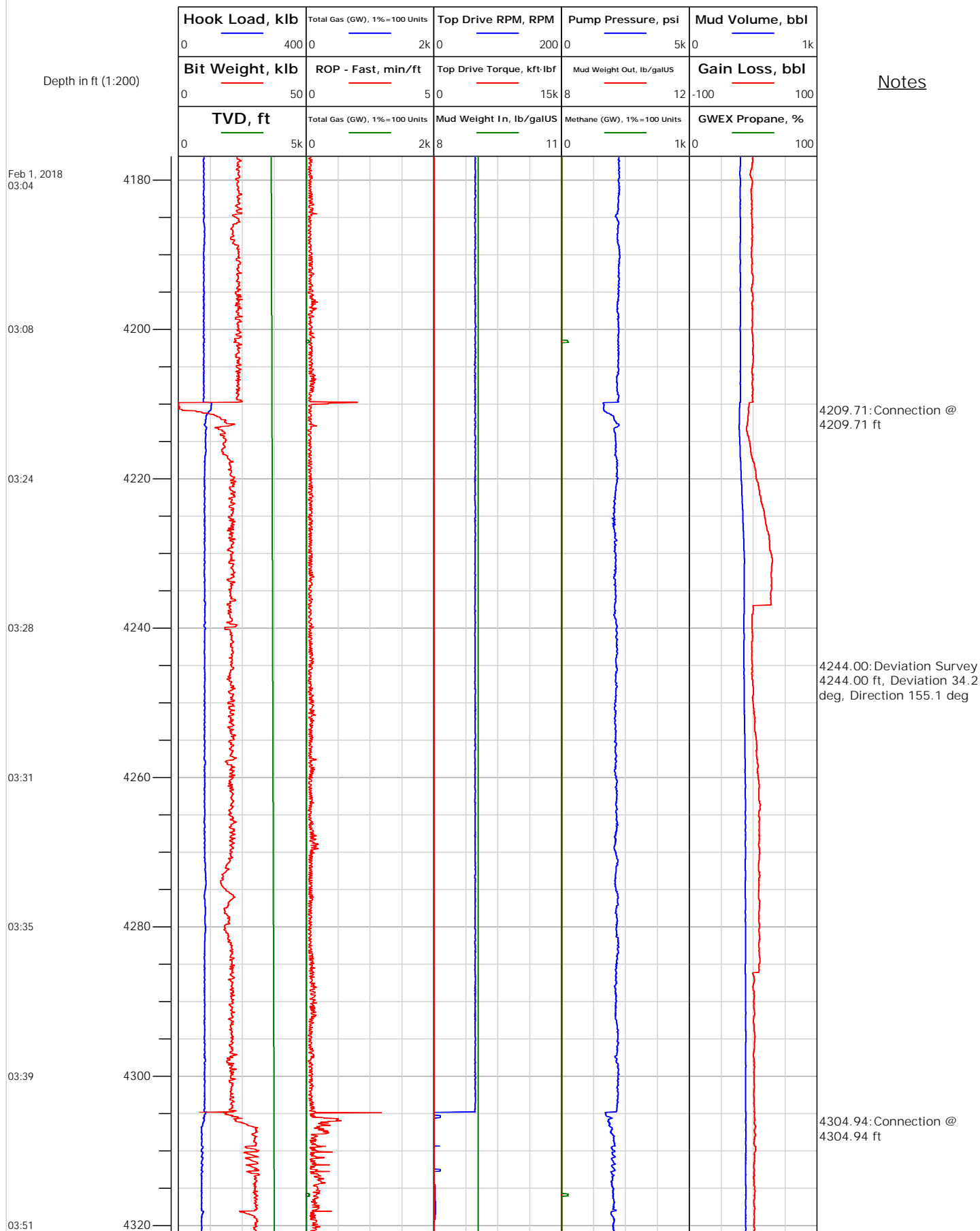
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Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

## Notes





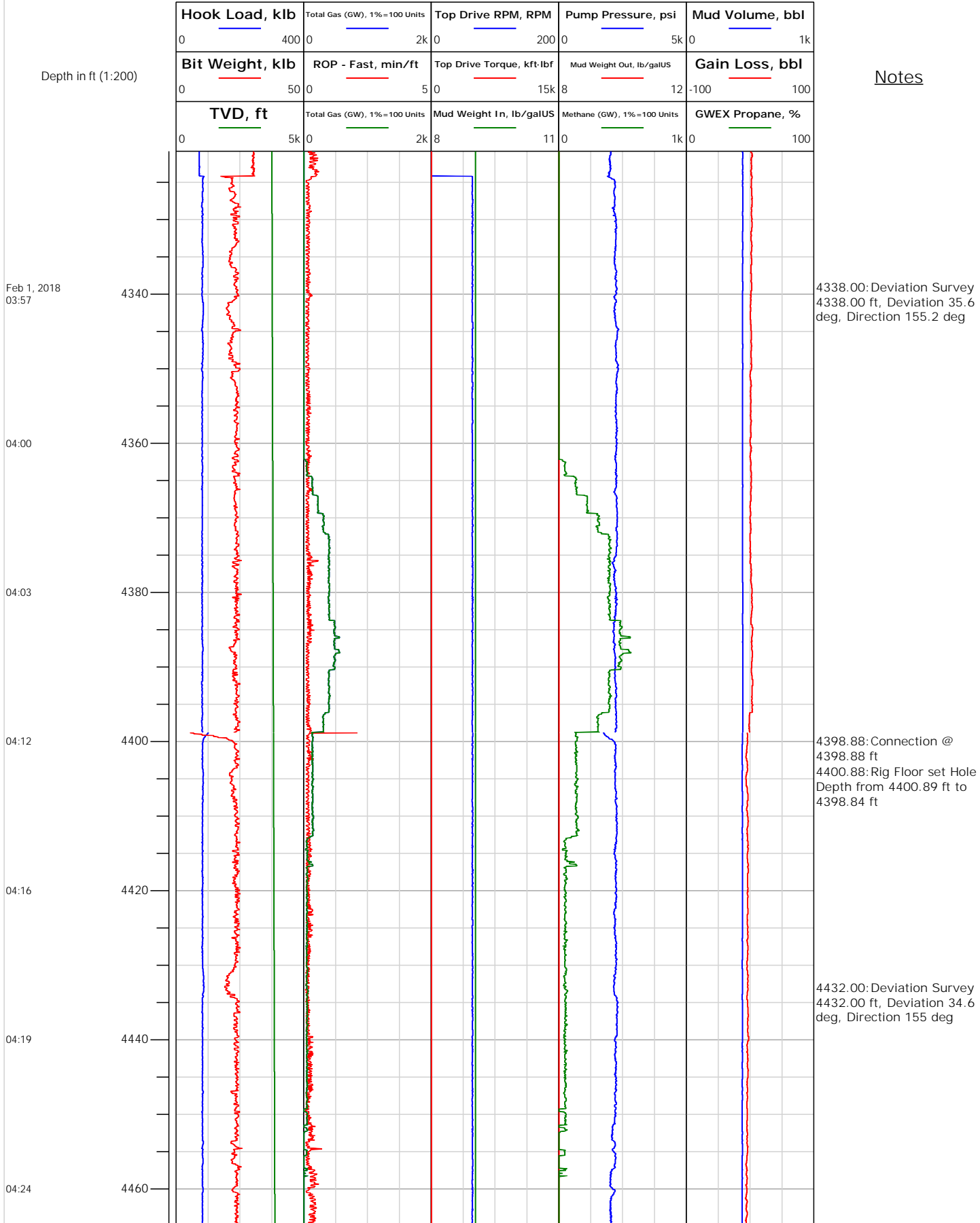
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**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

## Notes





## Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

Depth in ft (1:200)

Notes

Feb 1, 2018  
04:29

04:37

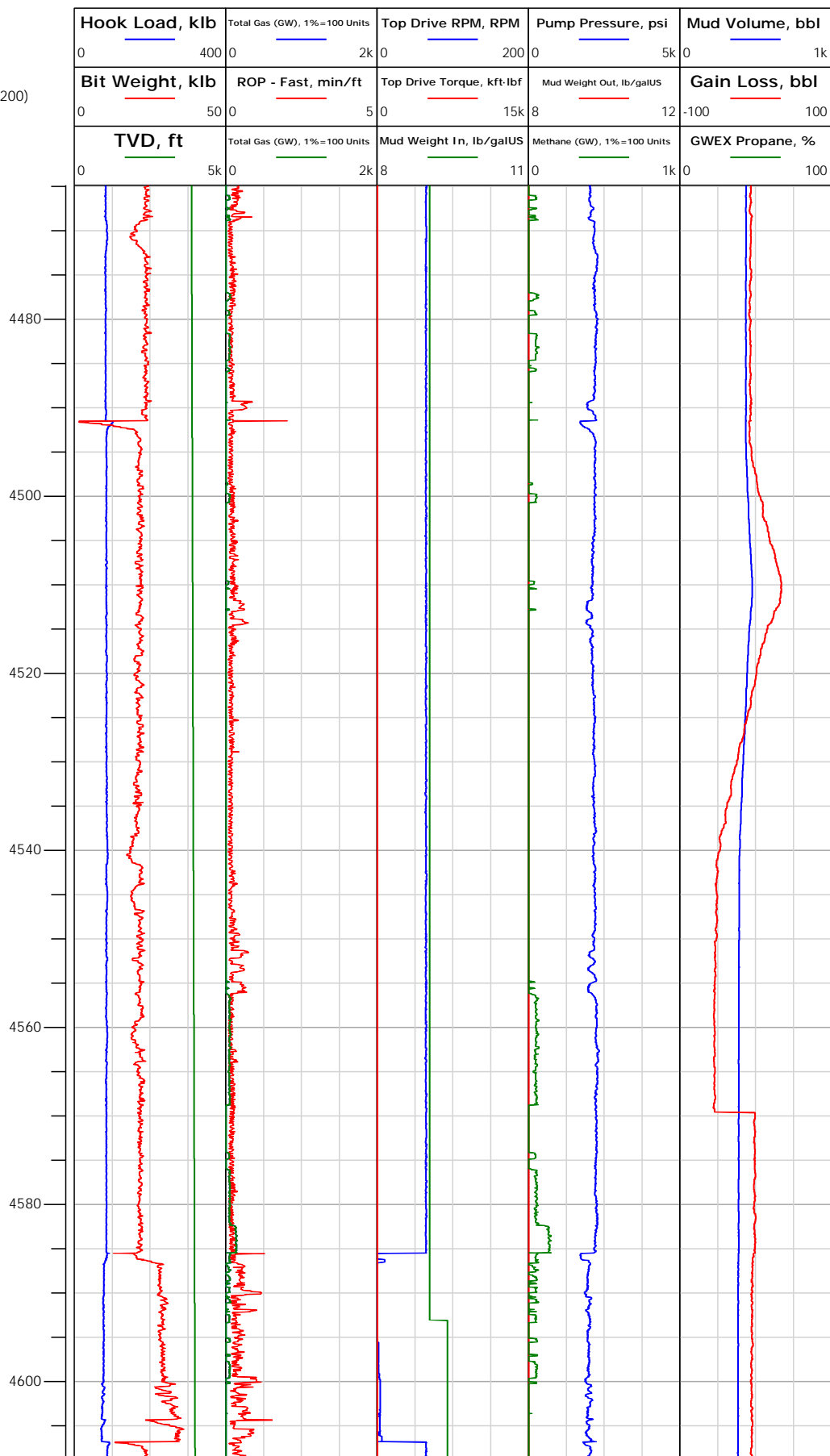
04:42

04:46

04:51

04:55

05:13





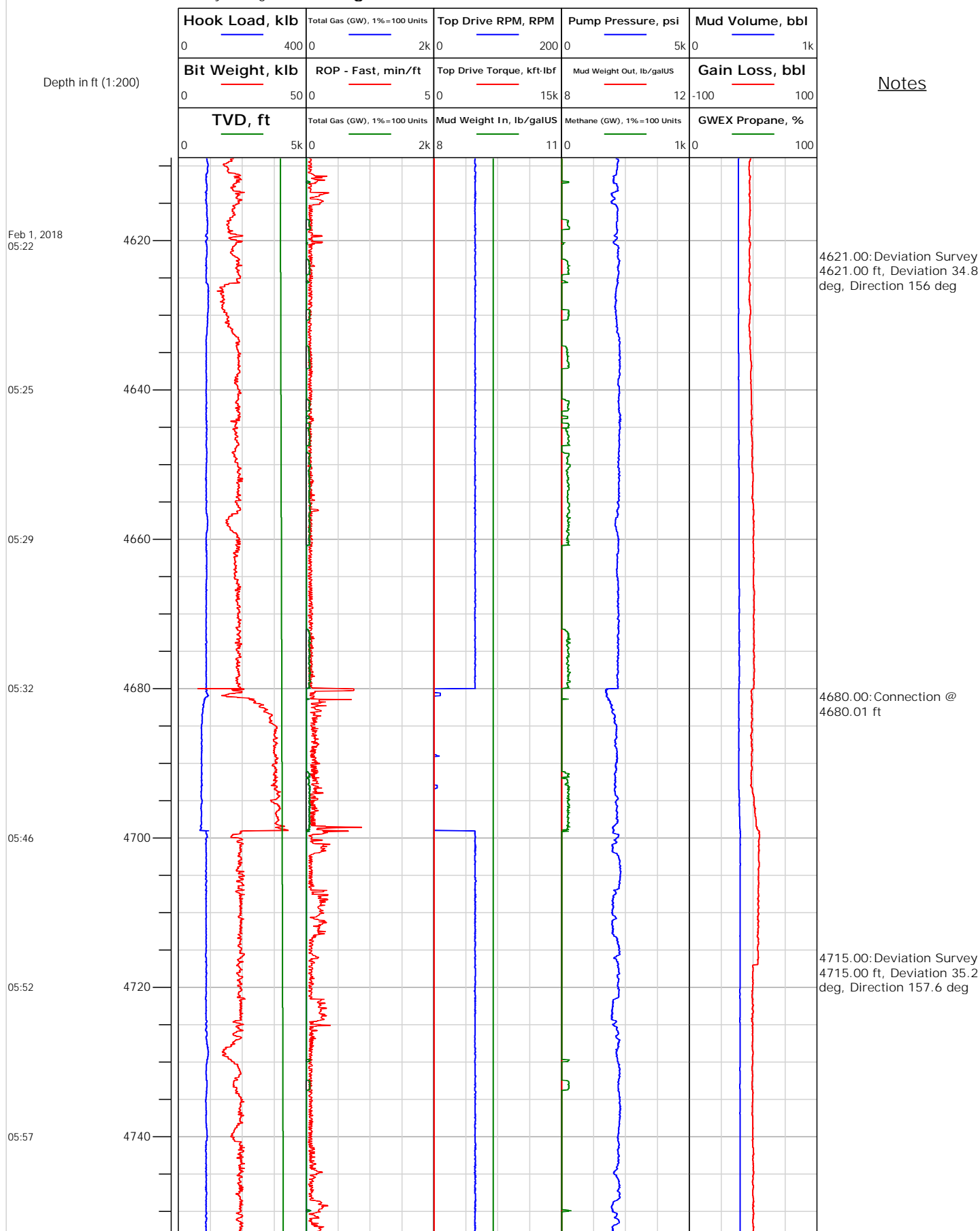
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Operator: Laramie Energy  
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Well Name: BRUTON 30-21E  
Rig: 522

Location:

Notes





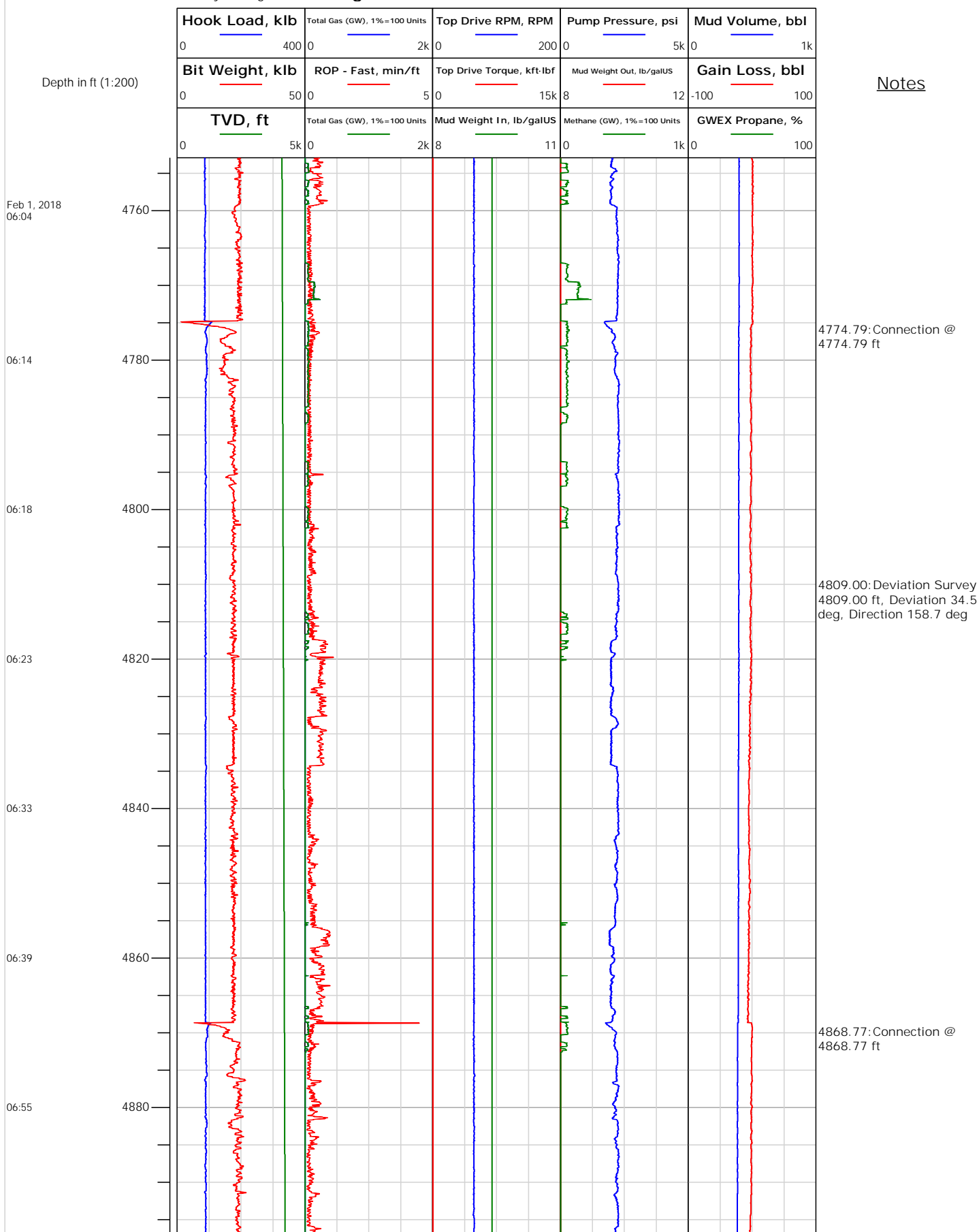
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**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes



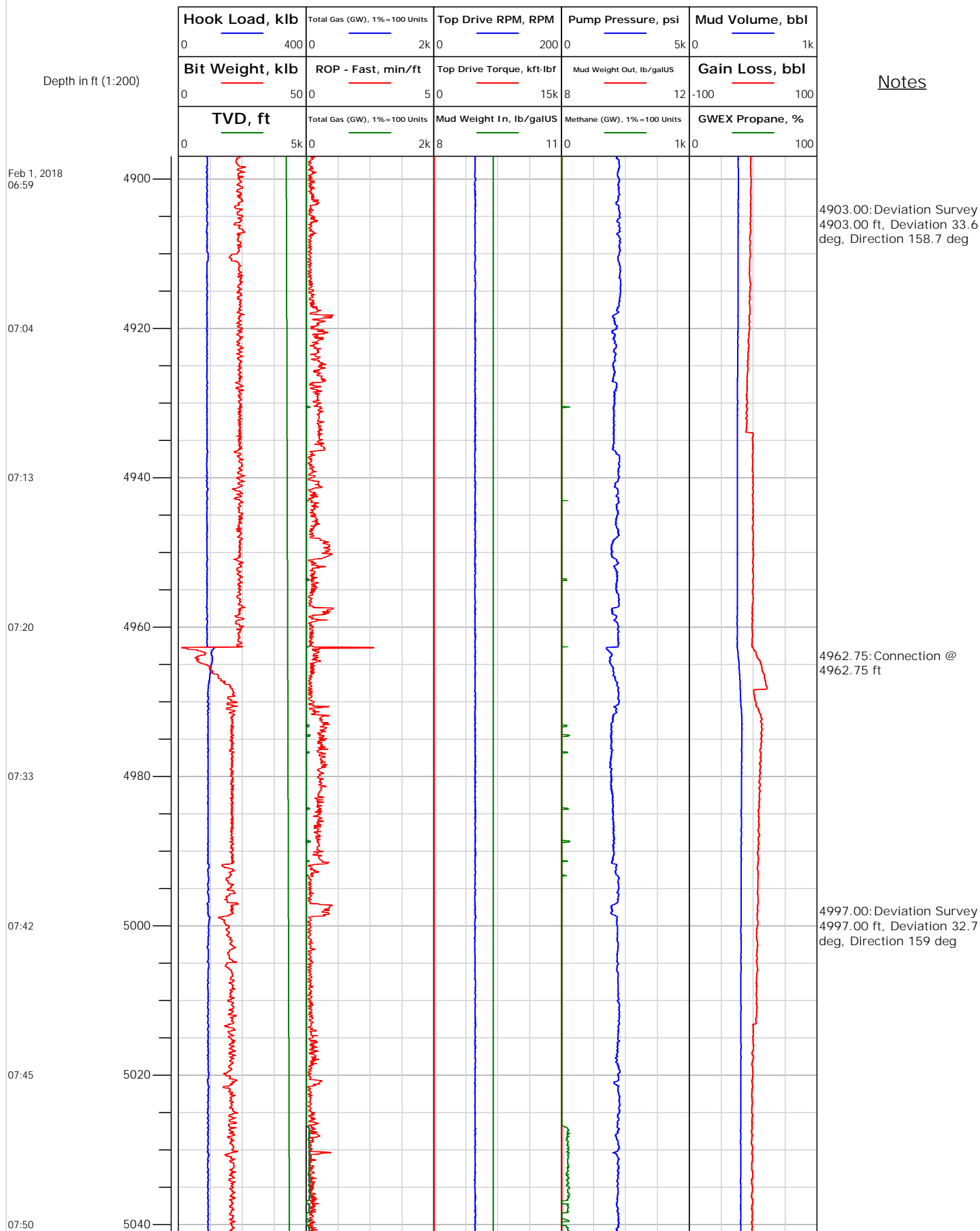


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Operator: Laramie Energy  
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Well Name: BRUTON 30-21E  
Rig: 522

Location:





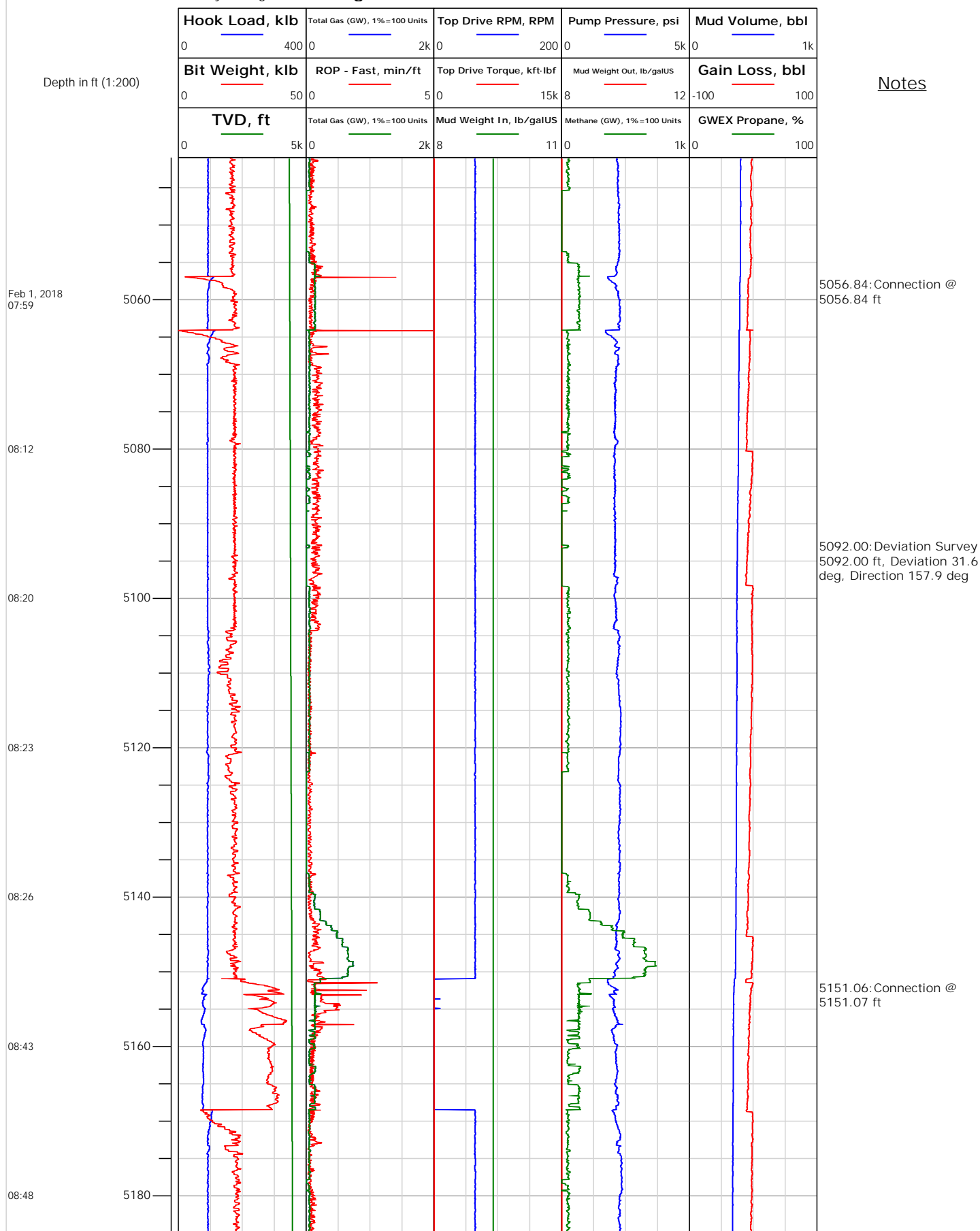
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Operator: Laramie Energy  
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Well Name: BRUTON 30-21E  
Rig: 522

Location:

Notes





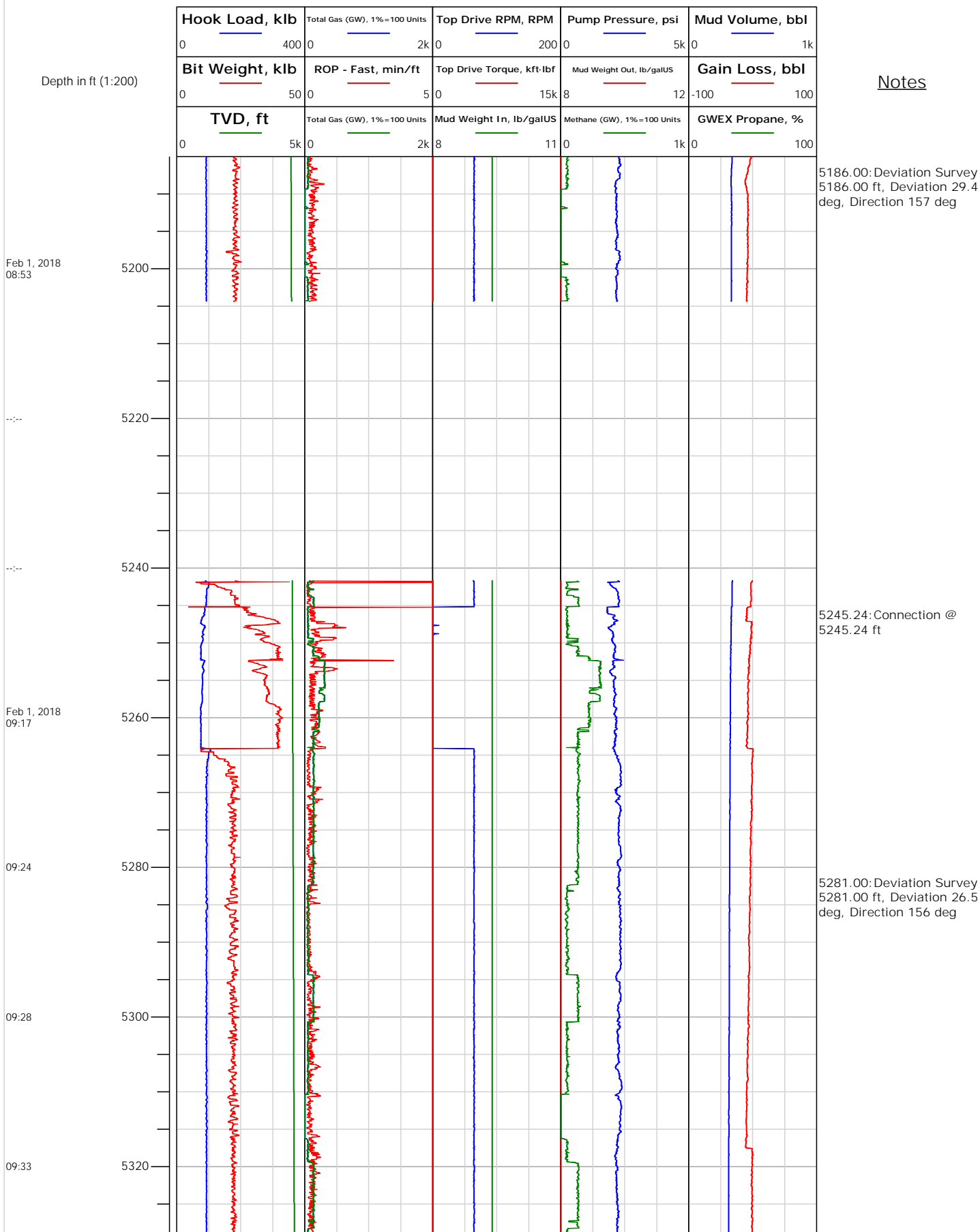
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**Operator:** Laramie Energy  
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**Rig:** 522

**Location:**

## Notes





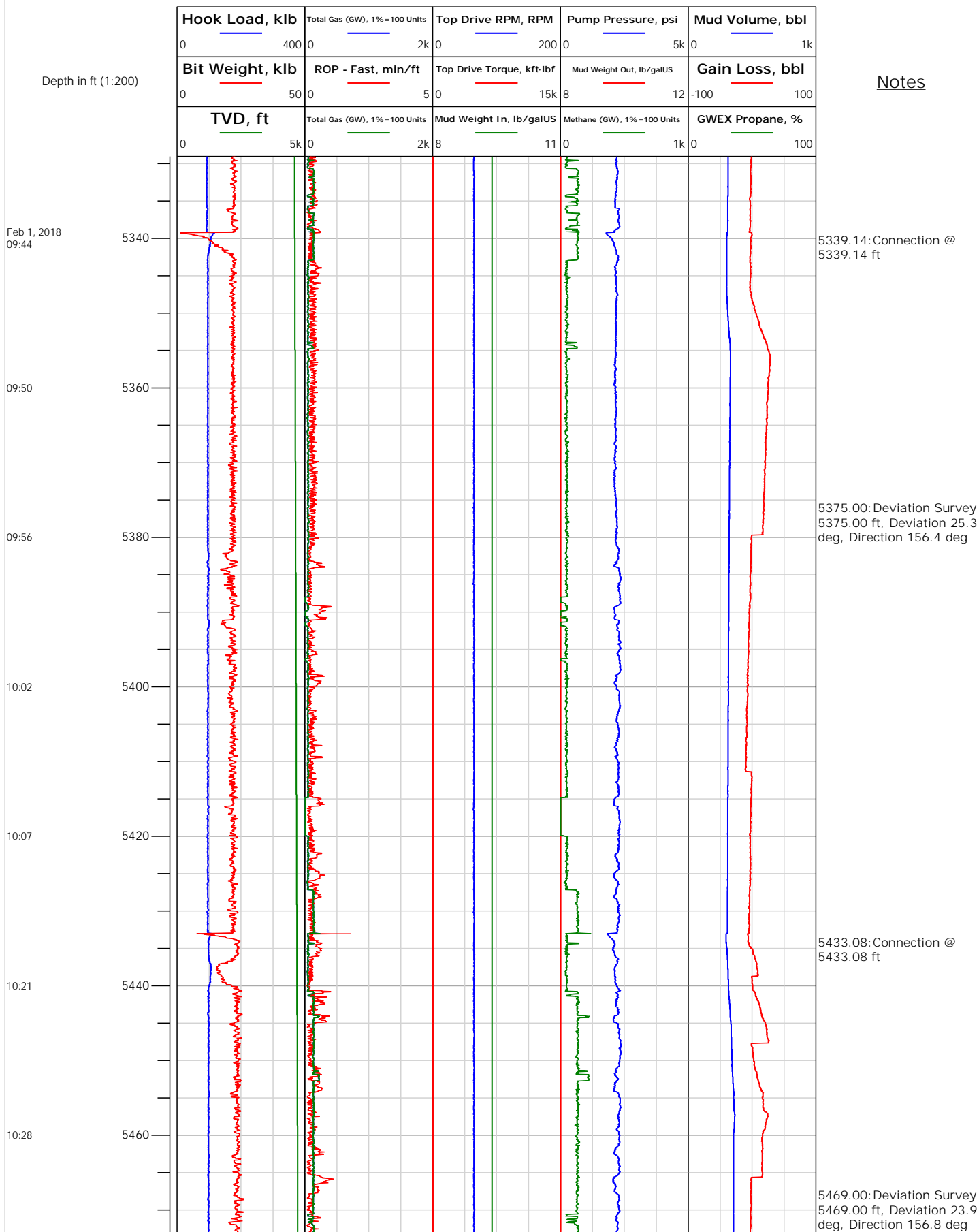
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Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

Notes





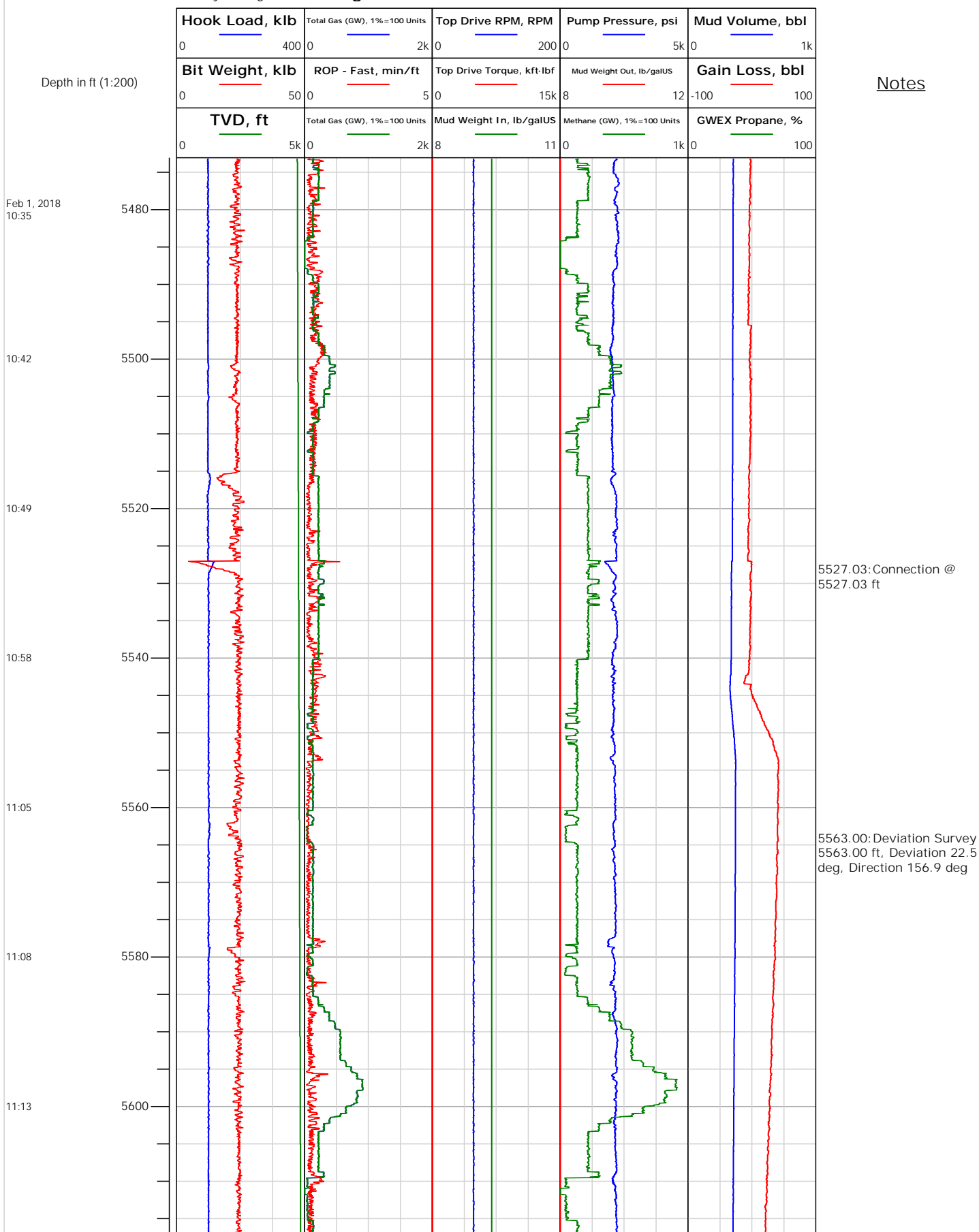
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**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes





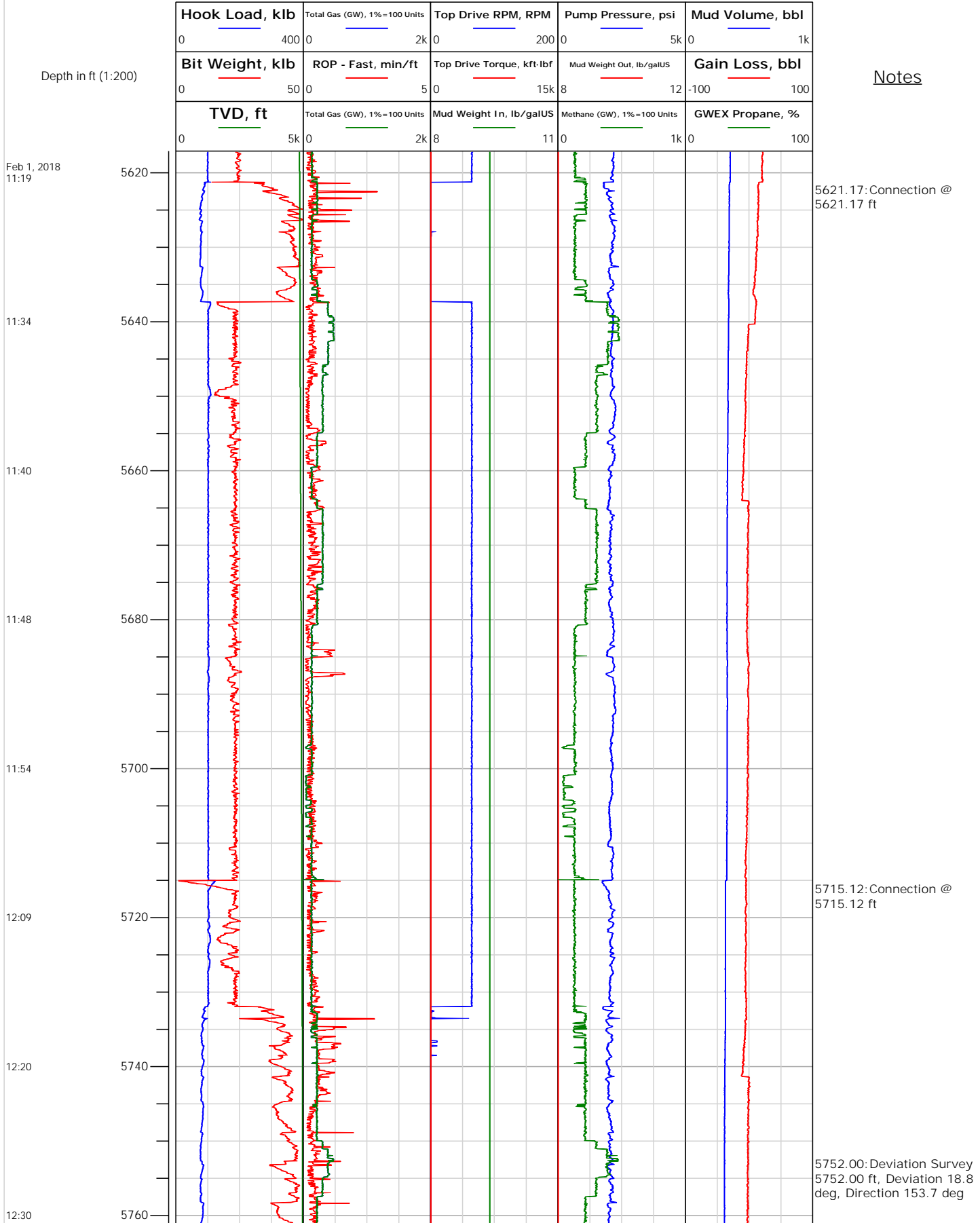
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**Operator:** Laramie Energy  
**Contractor:** Helmerich & Payne Drlg Co

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes





# Electronic Drilling Recorder

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

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes

Depth in ft (1:200)

Feb 1, 2018  
12:39

12:45

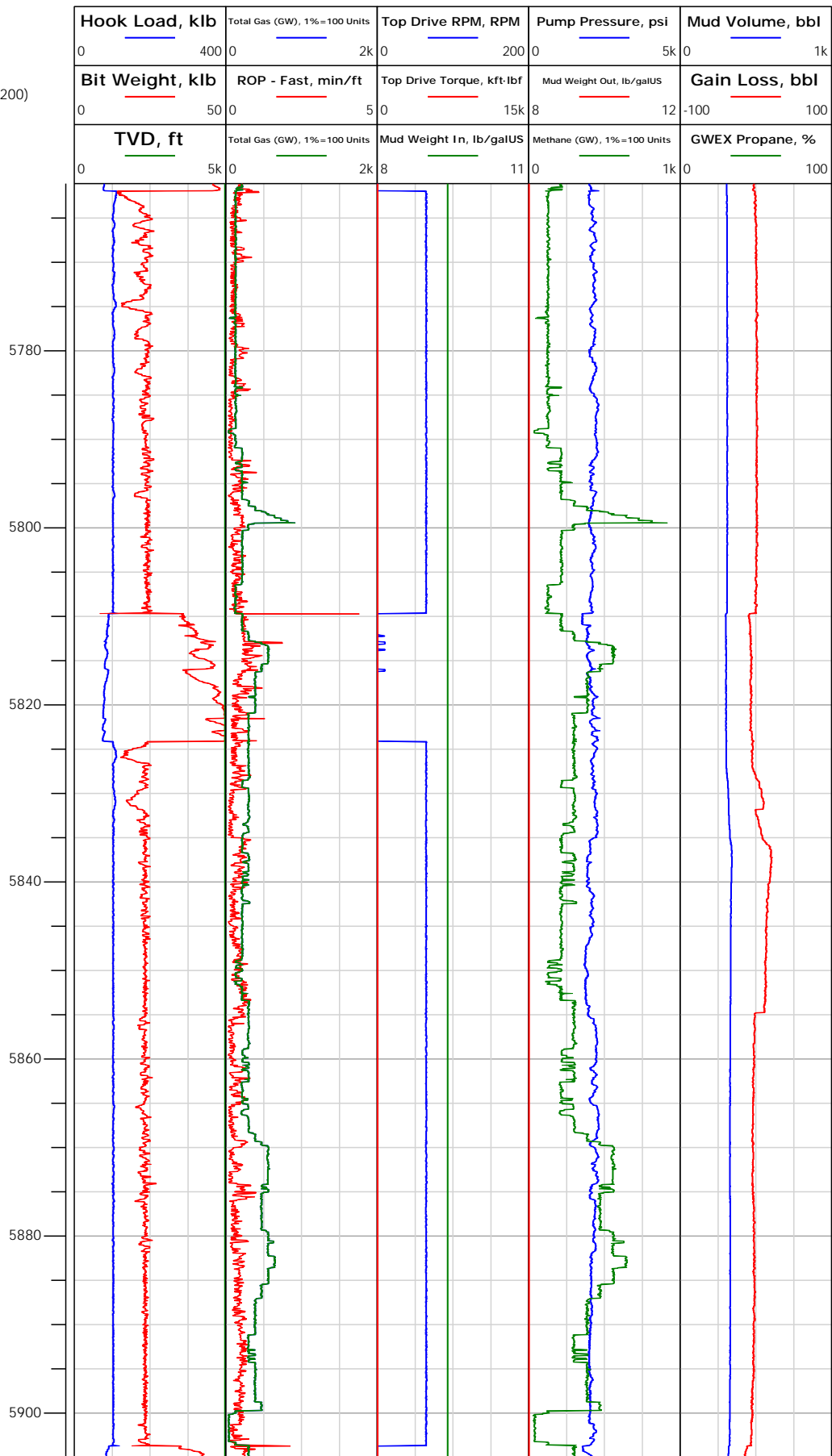
13:00

13:08

13:15

13:21

13:30



5809.67: Connection @  
5809.67 ft

5846.00: Deviation Survey  
5846.00 ft, Deviation 16.1  
deg, Direction 154.3 deg

5903.84: Connection @  
5903.84 ft



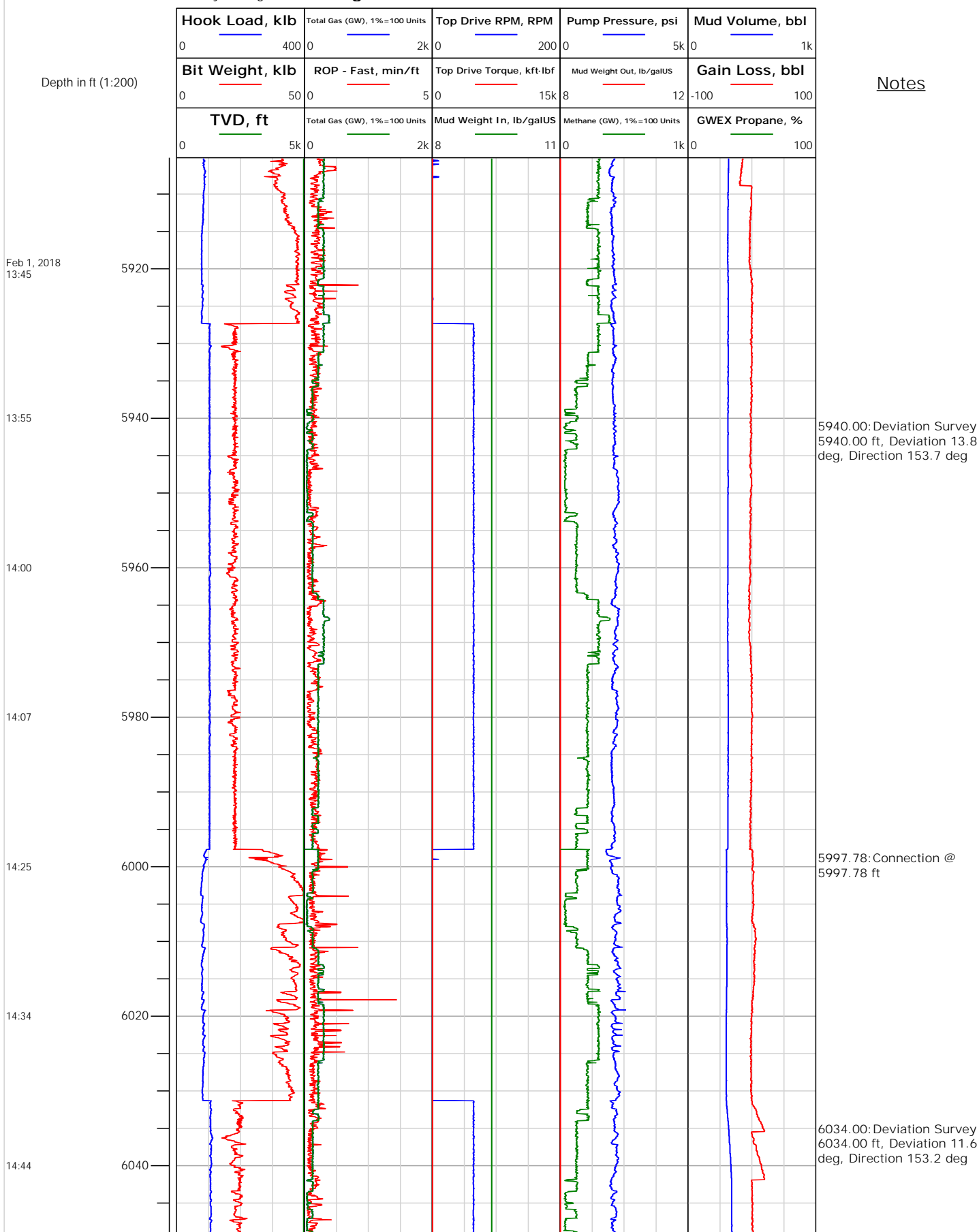
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**Operator:** Laramie Energy  
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**Rig:** 522

**Location:**

Notes





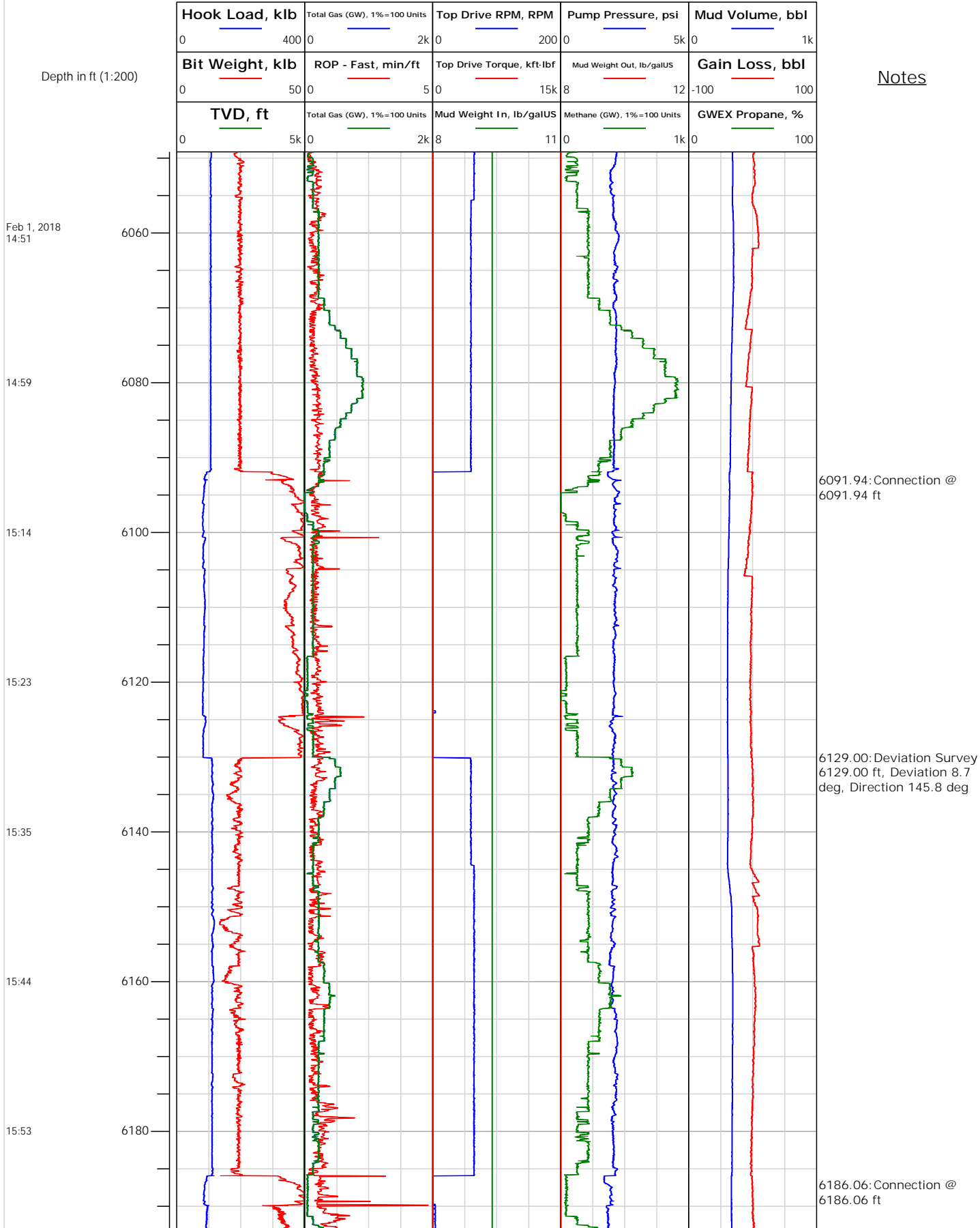
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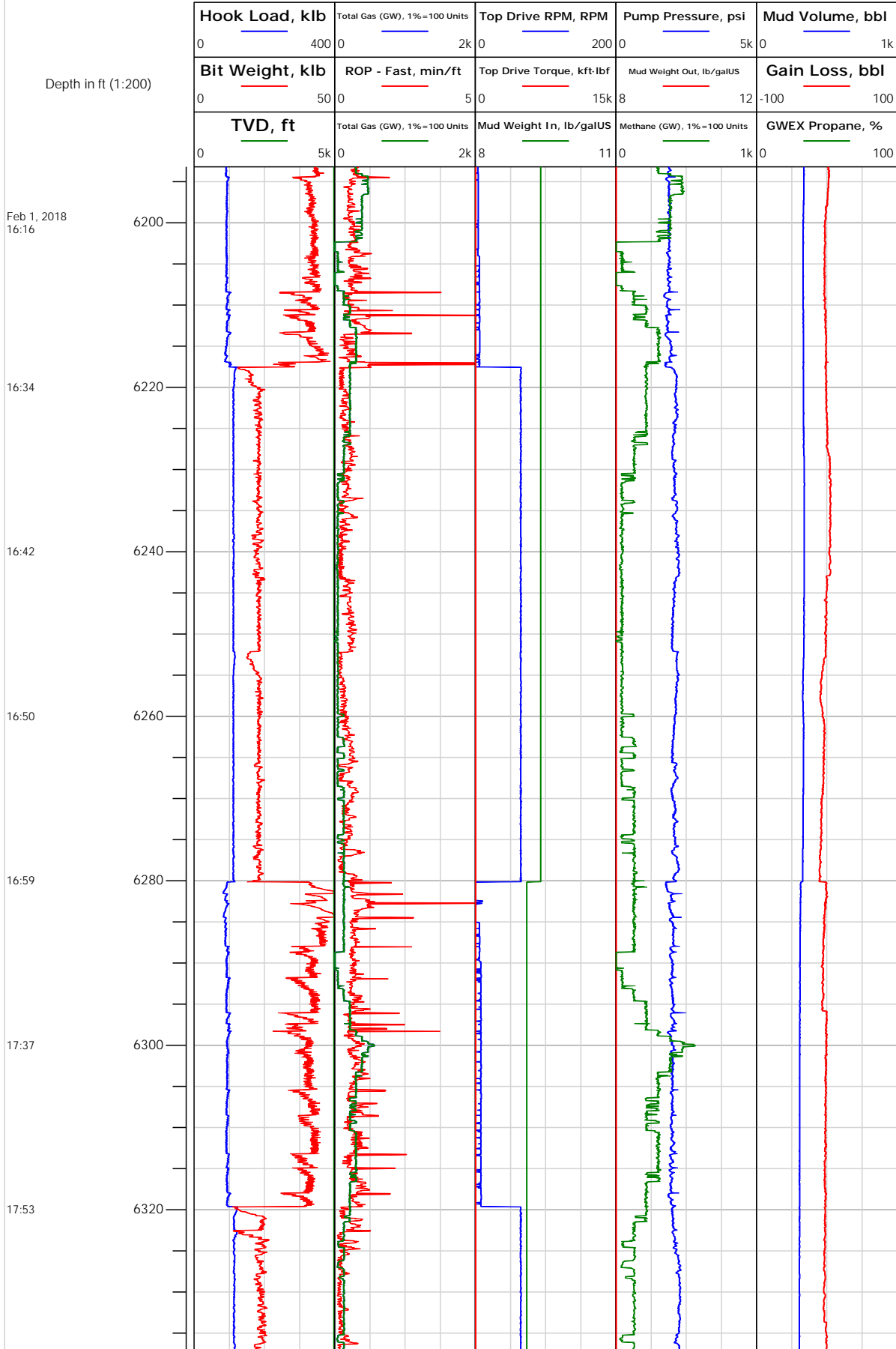
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**Rig:** 522

**Location:**

## Notes



6223.00: Deviation Survey  
6223.00 ft, Deviation 5.9  
deg, Direction 148.7 deg

6280.21: Connection @  
6280.21 ft

6317.00: Deviation Survey  
6317.00 ft, Deviation 3.5  
deg, Direction 152 deg



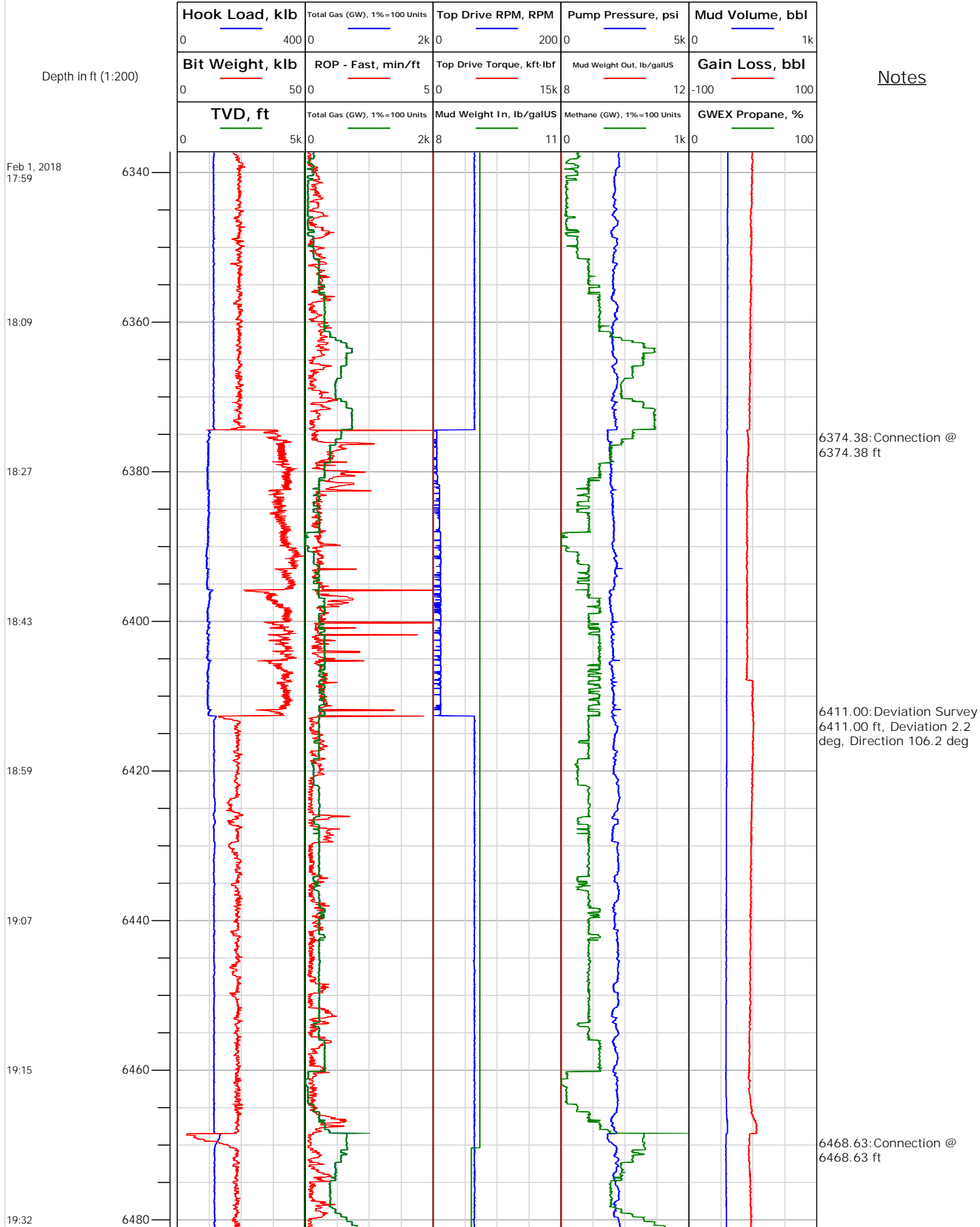
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**Rig:** 522

**Location:**

Notes





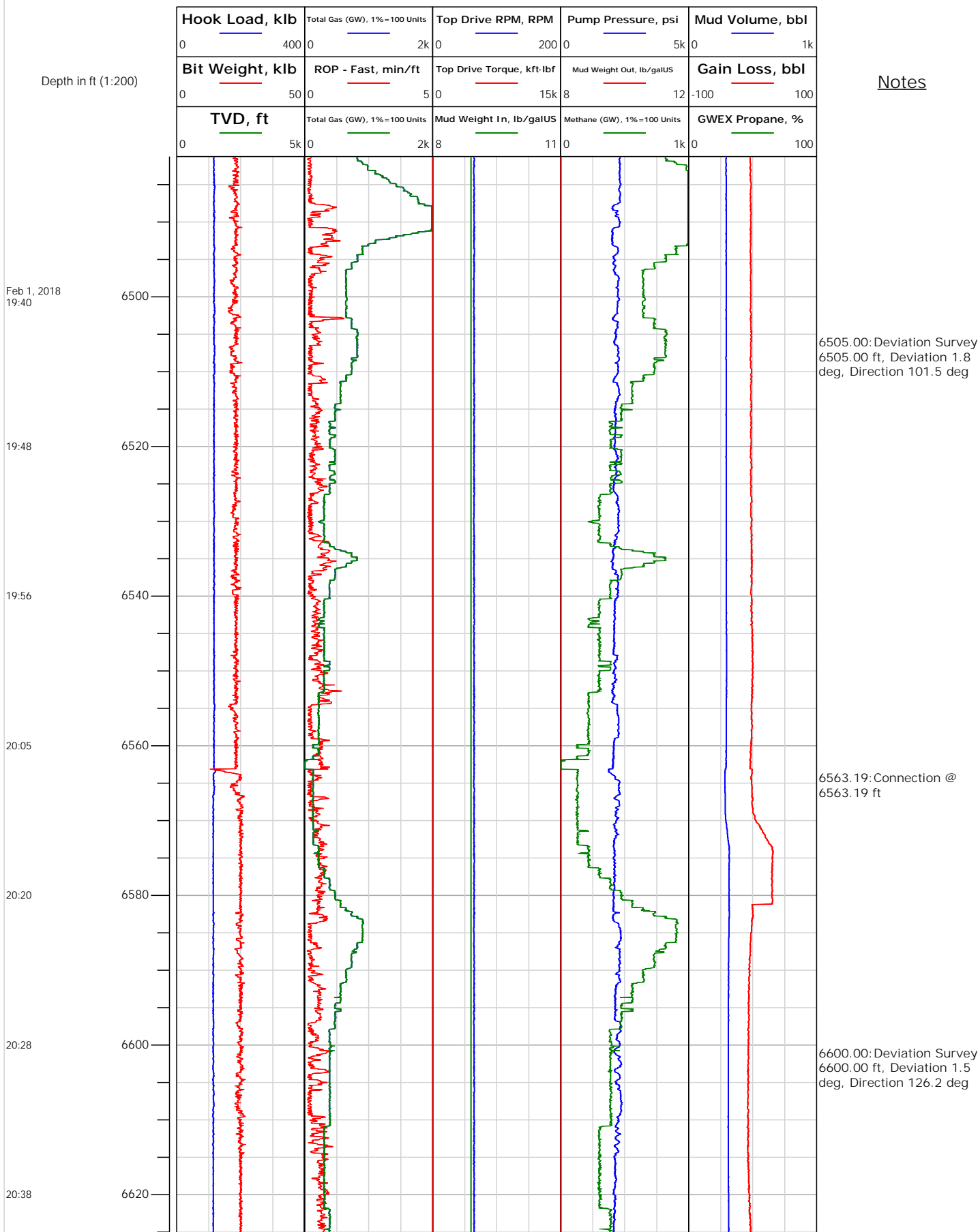
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**Operator:** Laramie Energy  
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**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

## Notes





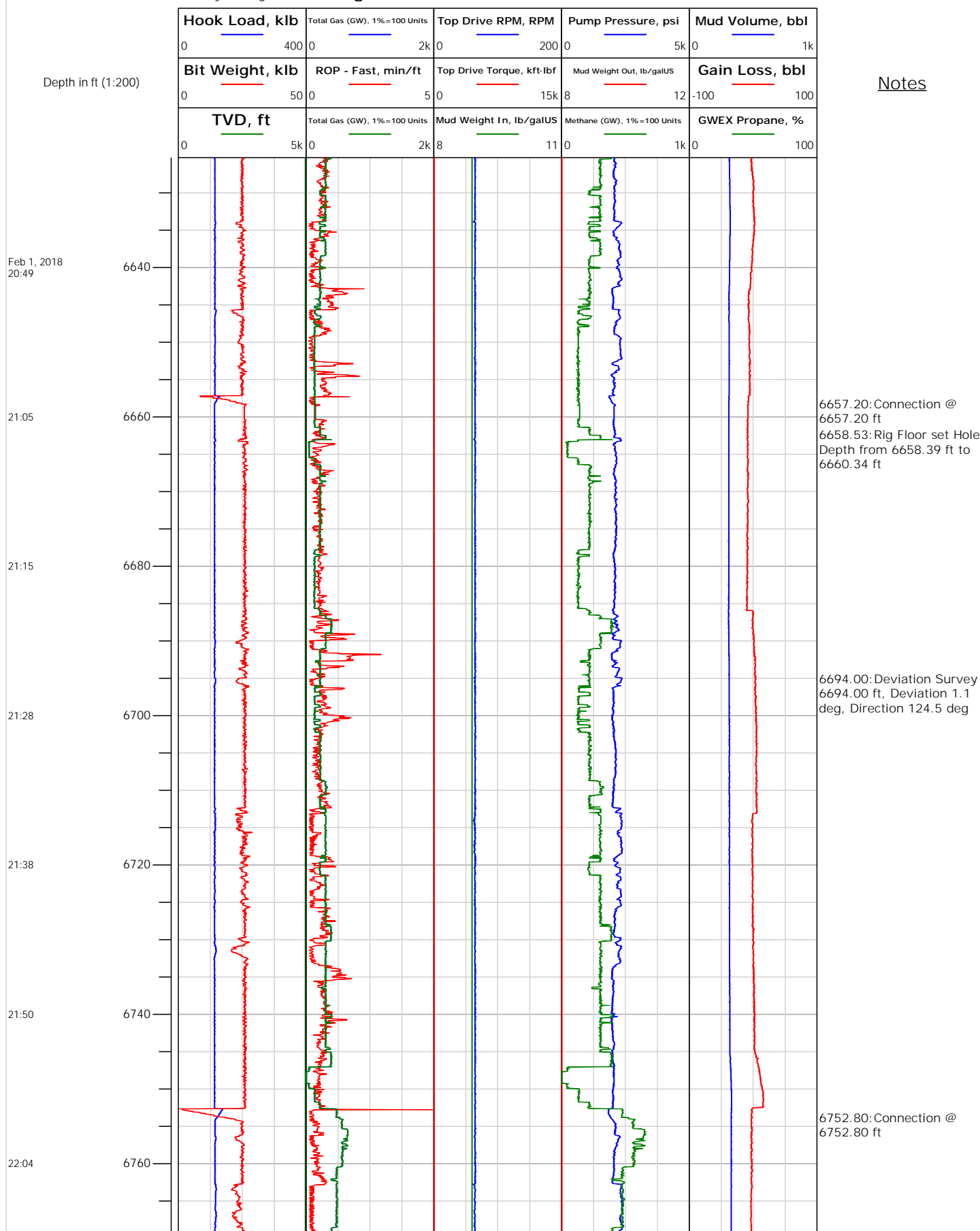
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Location:

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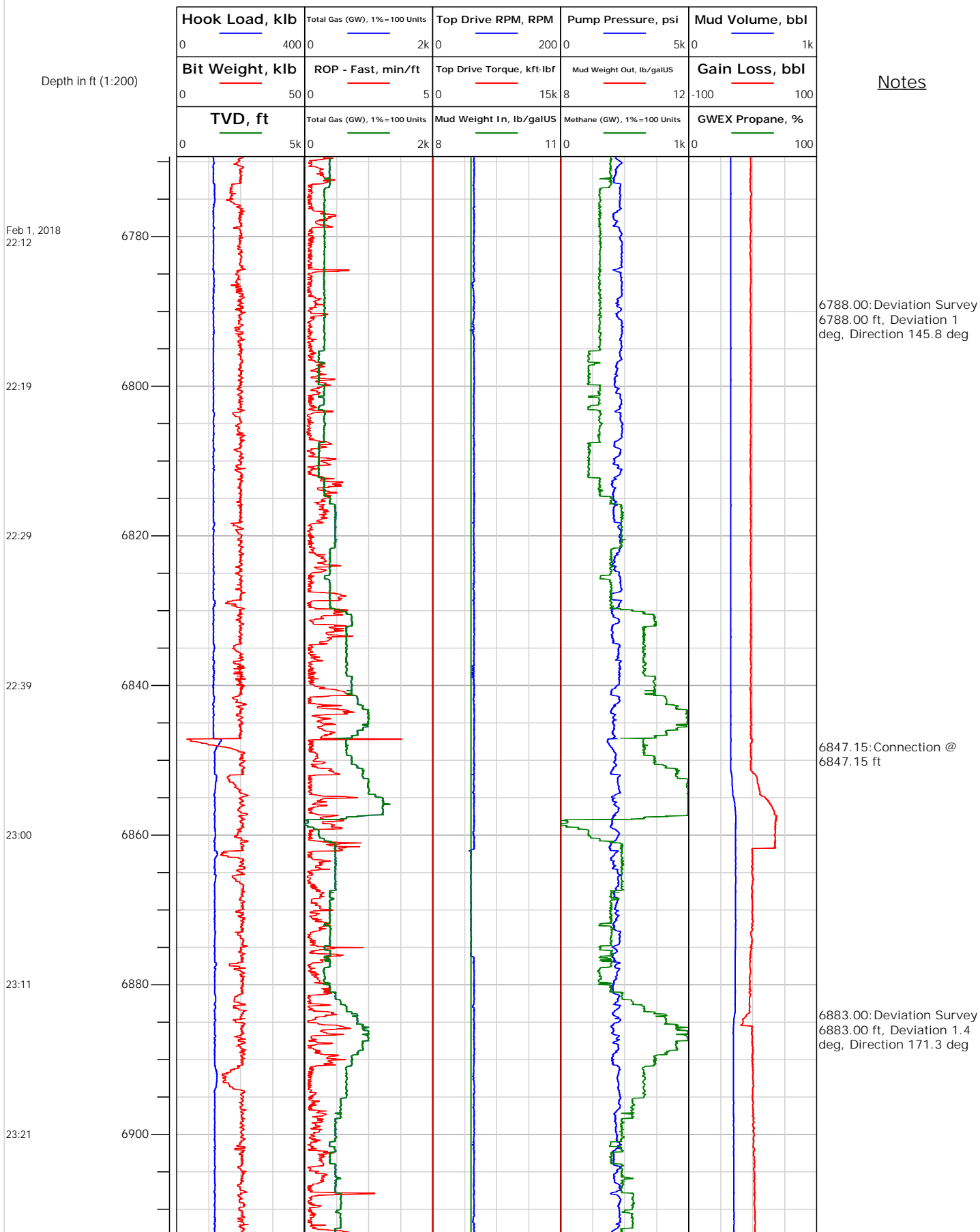
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**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

## Notes





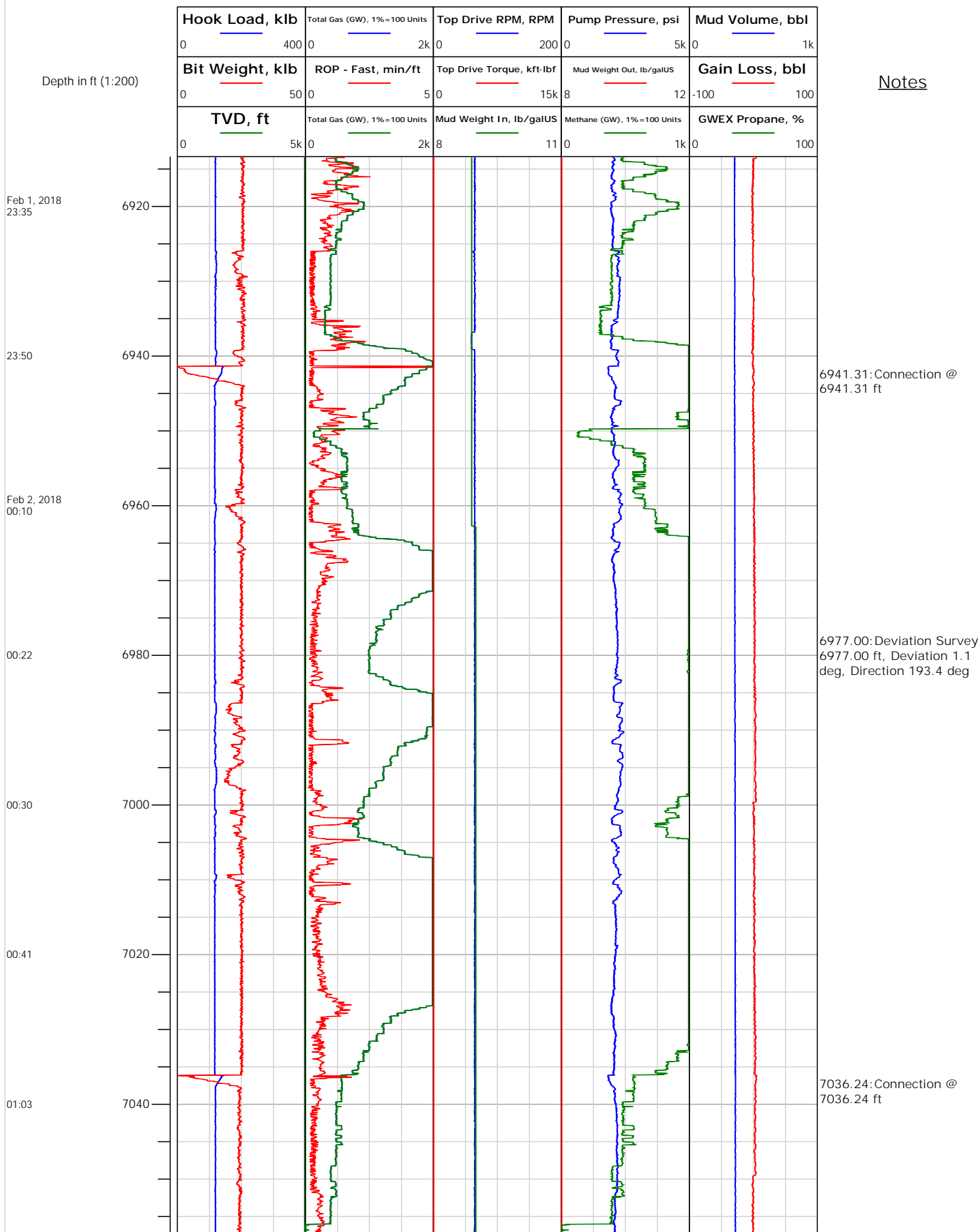
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**Rig:** 522

**Location:**

Notes





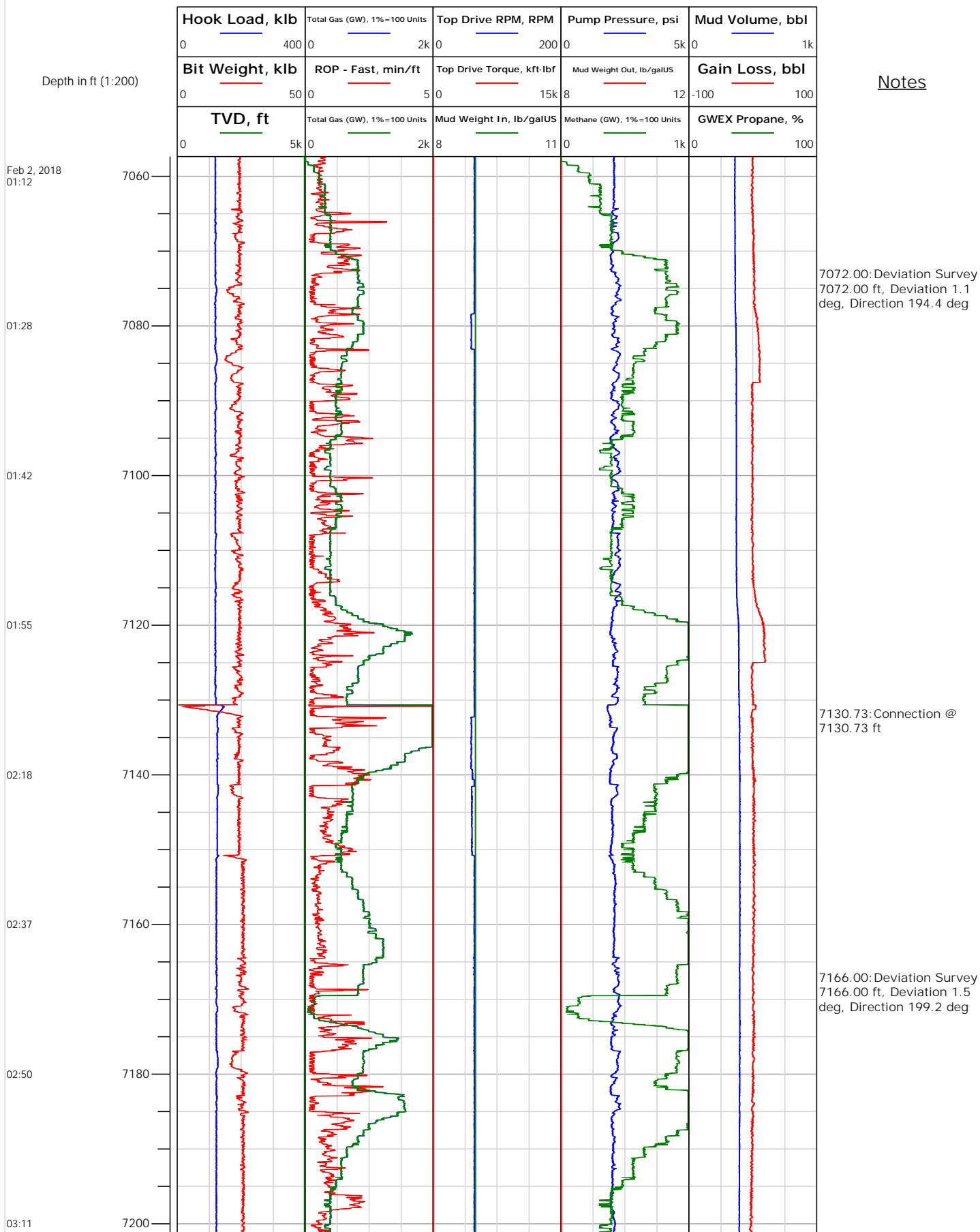
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Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

### Notes





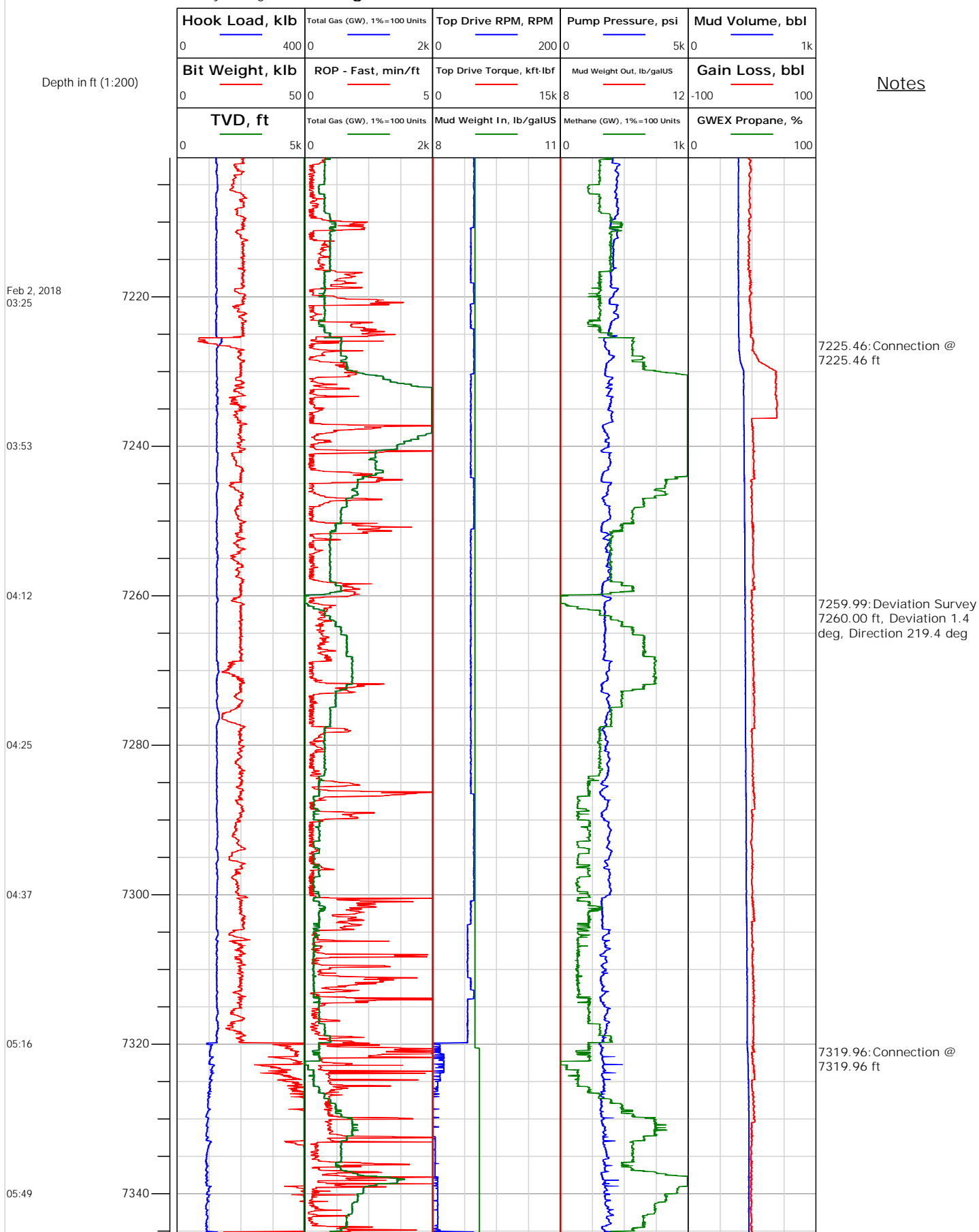
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**Operator:** Laramie Energy  
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**Rig:** 522

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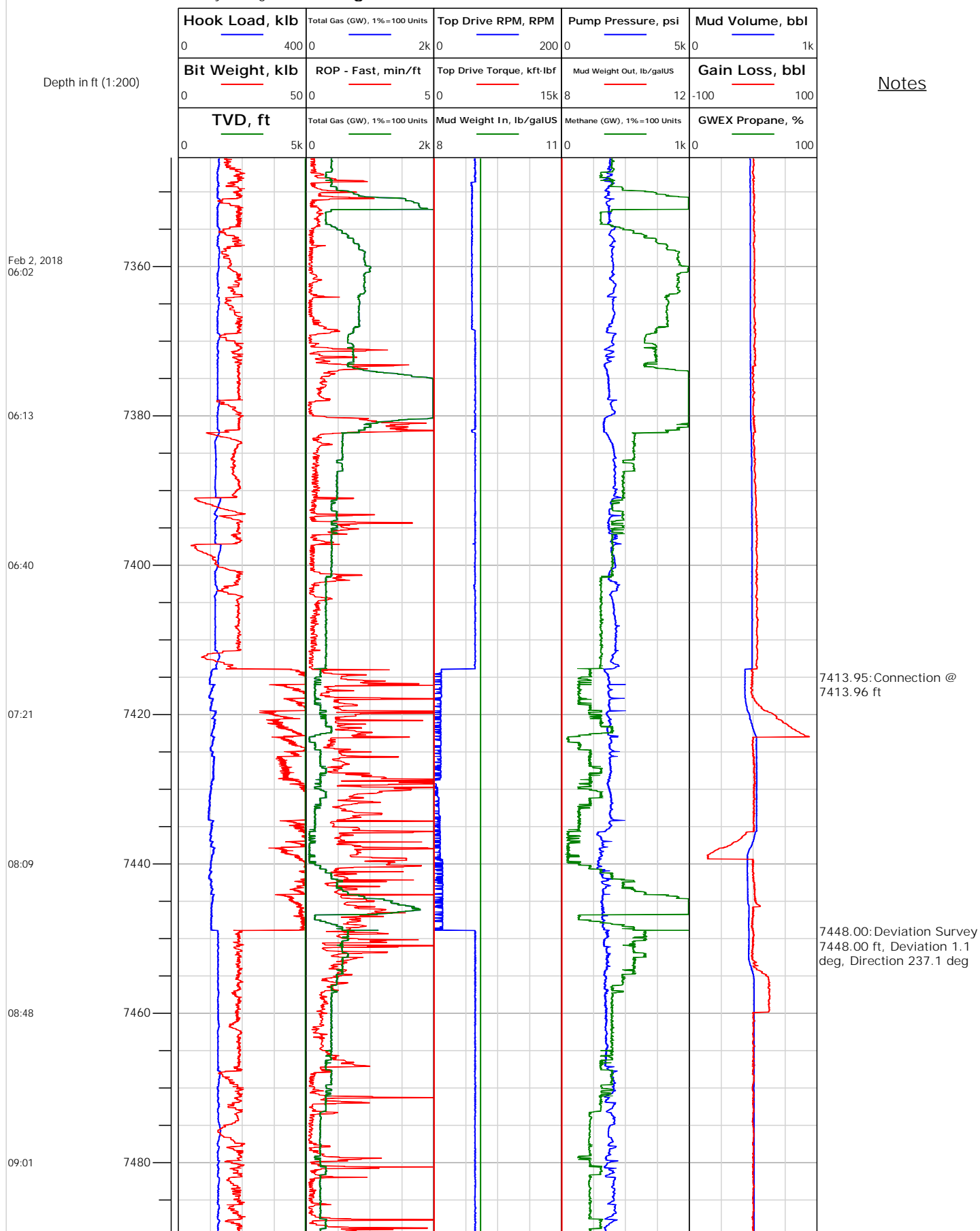
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Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

Notes





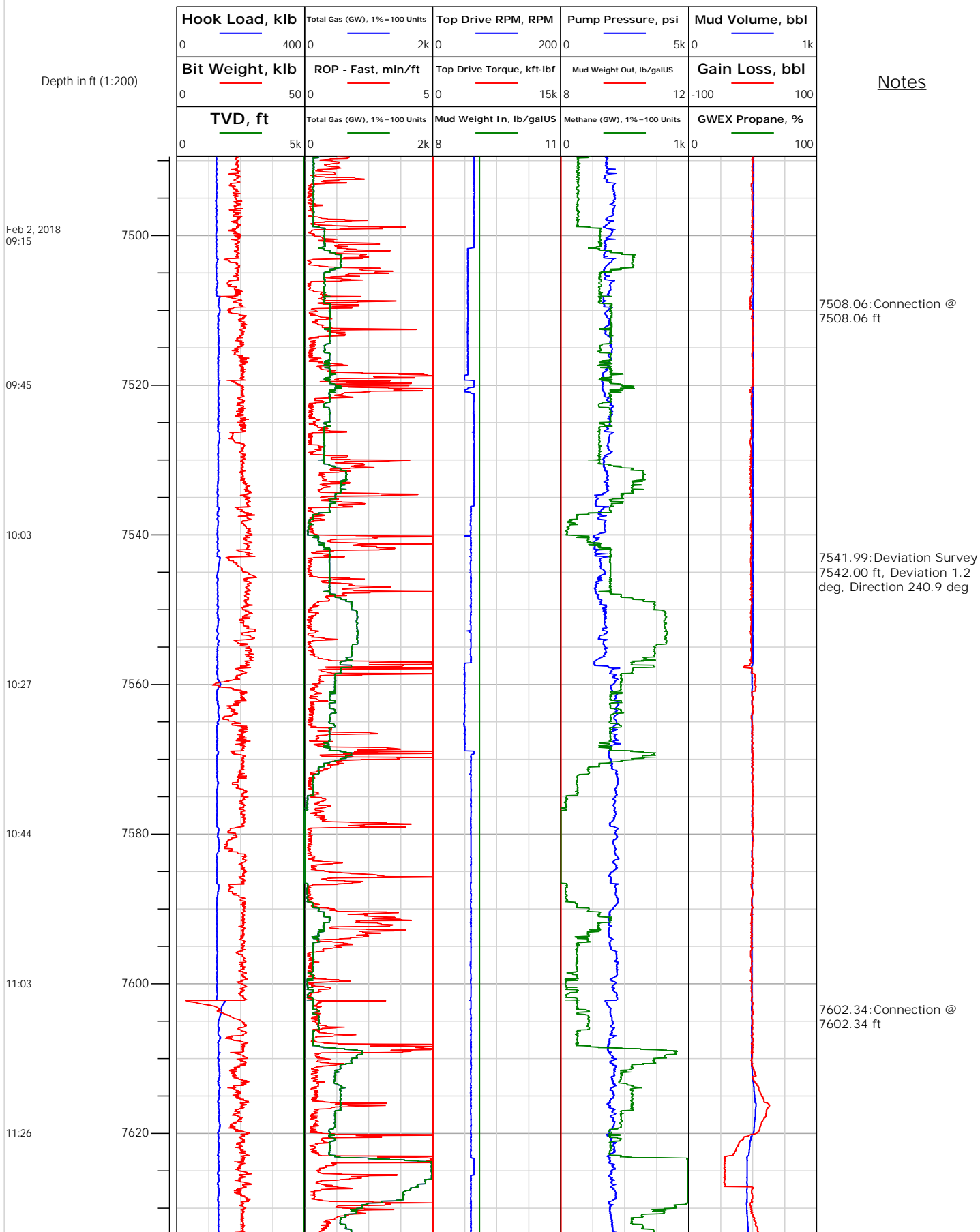
# Electronic Drilling Recorder

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

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes





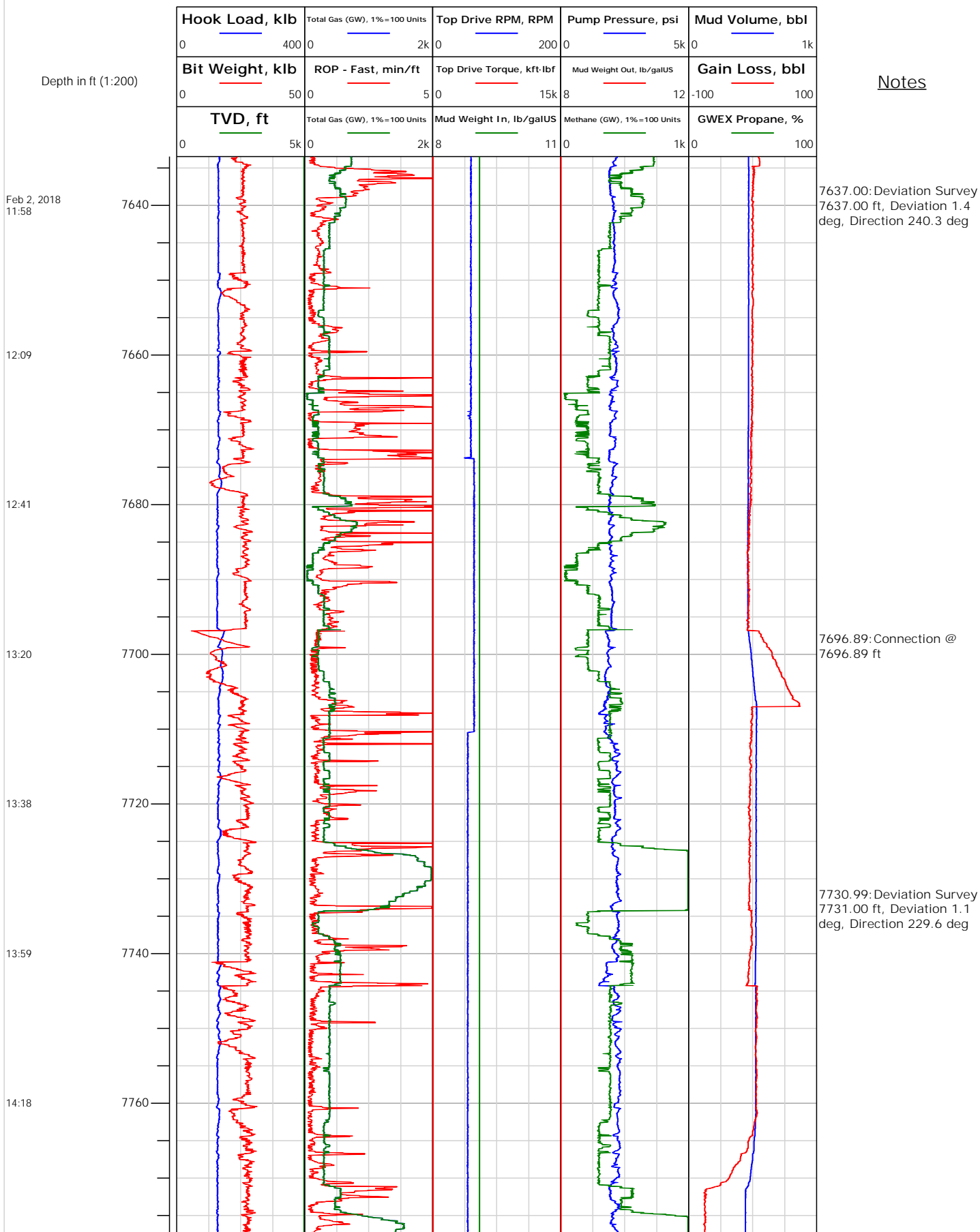
# Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

## Notes



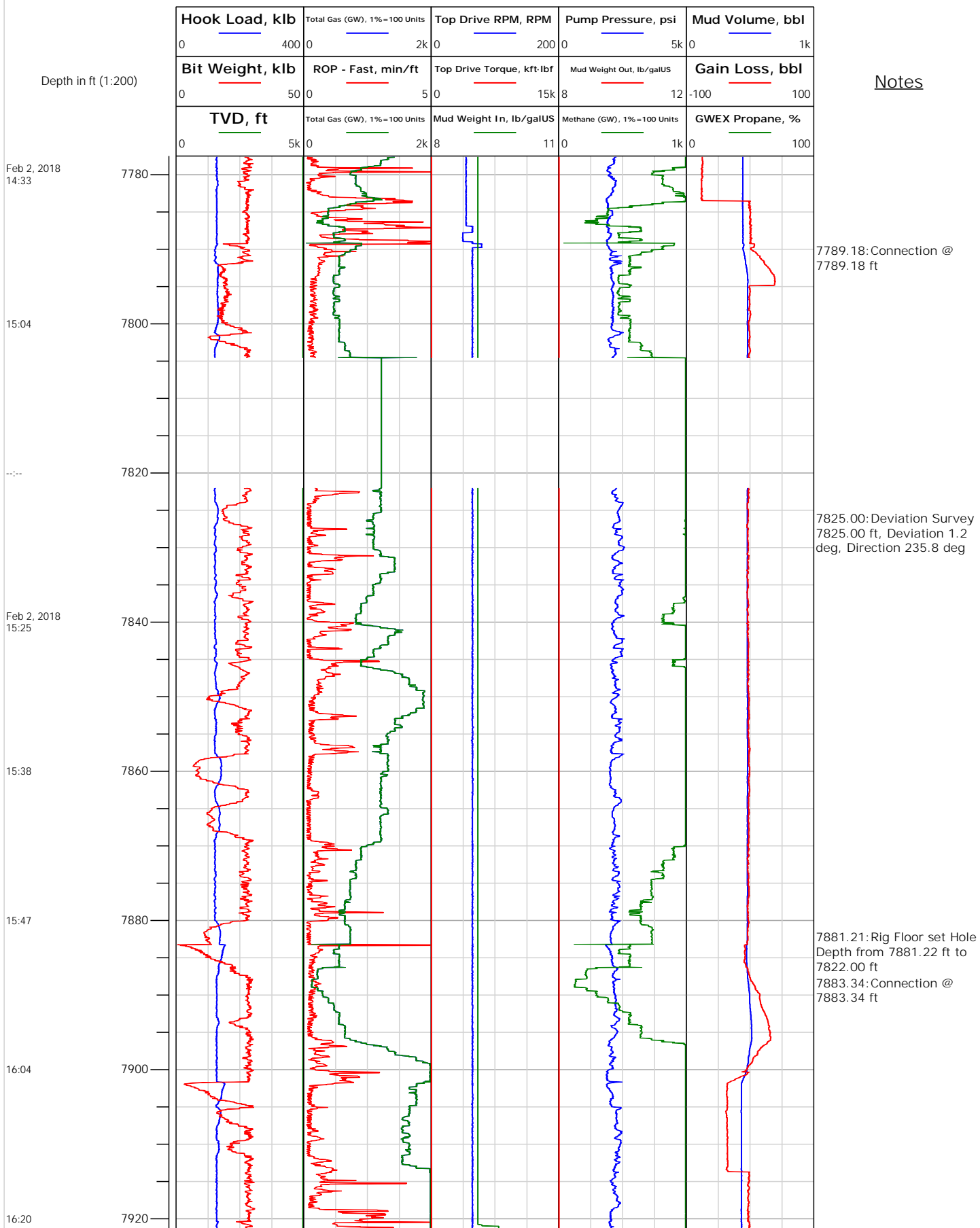


# Electronic Drilling Recorder

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

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**





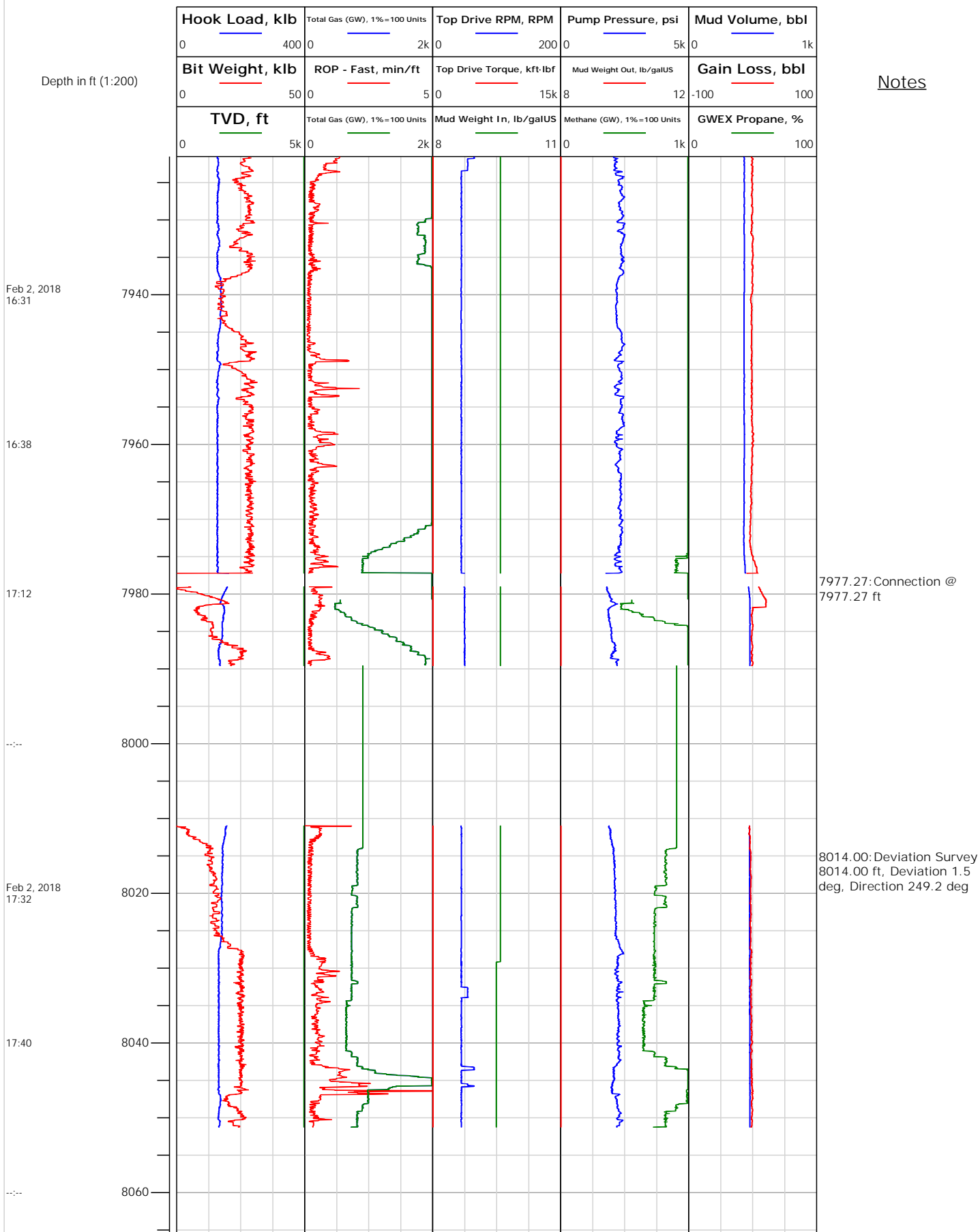
# Electronic Drilling Recorder

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

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

Notes





## Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

Depth in ft (1:200)

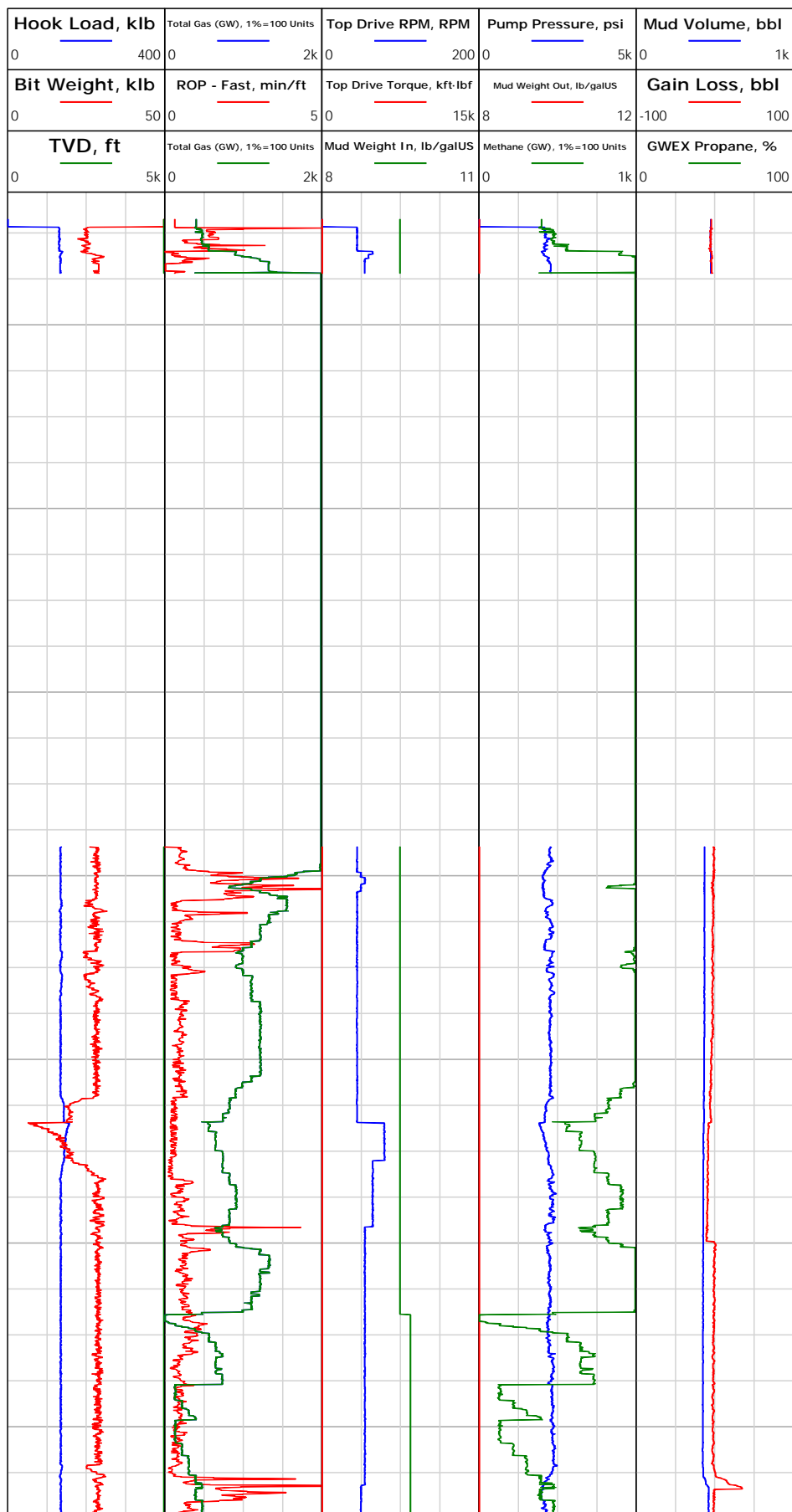
Notes

Feb 2, 2018  
19:03

19:20

19:37

19:50





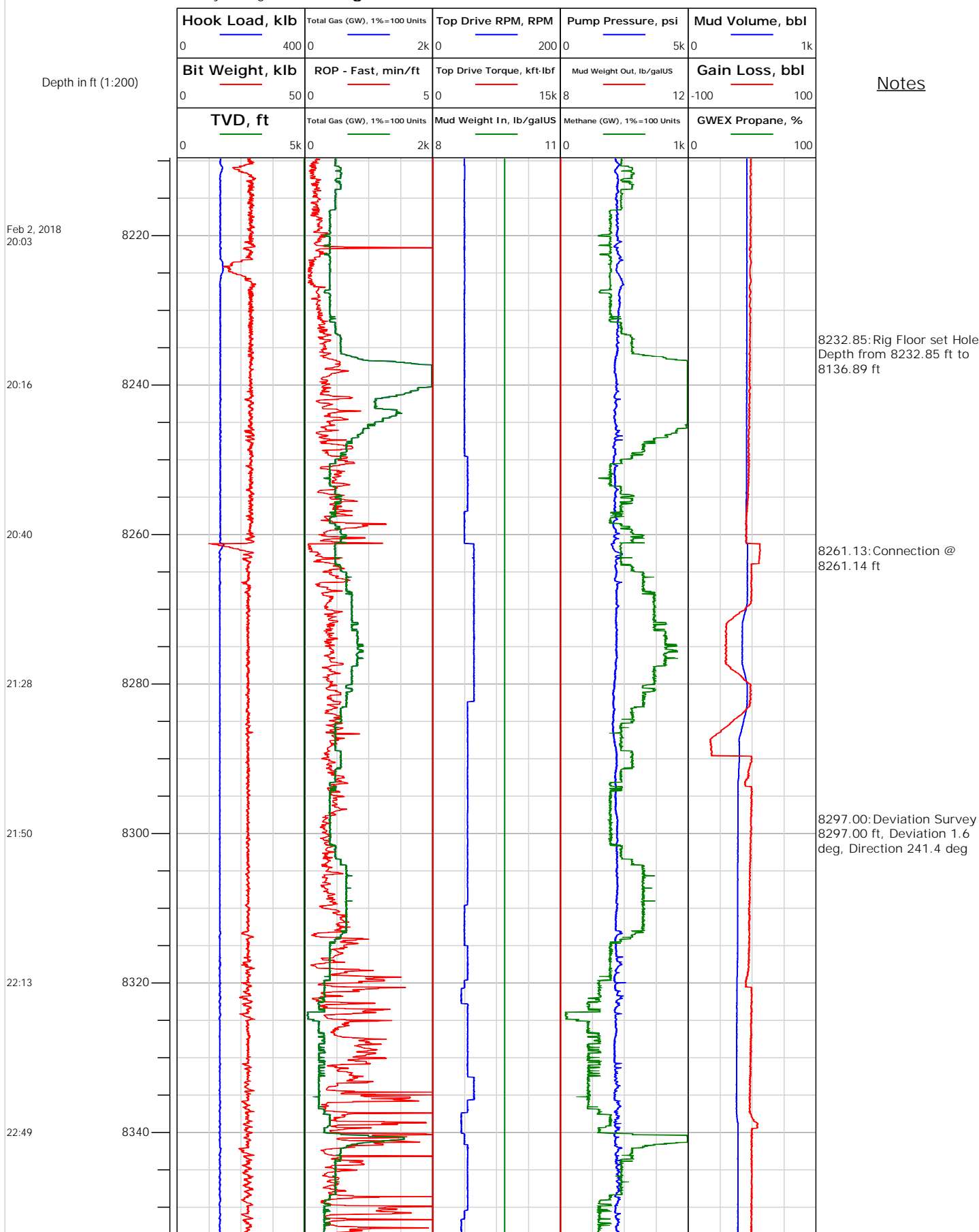
# Electronic Drilling Recorder

Operator: Laramie Energy  
Contractor: Helmerich & Payne Drlg Co

Well Name: BRUTON 30-21E  
Rig: 522

Location:

## Notes





# Electronic Drilling Recorder

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

**Well Name:** BRUTON 30-21E  
**Rig:** 522

**Location:**

## Notes

