# MICRO RESISTIVITY LOG

Company Bickle Energies, LLC
Well Wheatland #8-3
Field N/A
County Gove State Kansas

Company Bickle Energies, LLC
Well Wheatland #8-3
Field N/A
County Gove
State Kansas

Location: API # : 15 063 22314
1310' FSL & 455' FEL
SEC 8 TWP 14S RGE 32W

Other Services
BCS
DIL
CDNL

Elevation
K.B. 2973'
D.F. 2972'
G.L. 2963'

Permanent Datum Ground Level Elevation 2963'
Log Measured From KB 10' AGL
Drilling Measured From KB

| | | | |
|---|---|---|---|
| Date | 09-02-17 | | |
| Run Number | Two | | |
| Depth Driller | 4725' | | |
| Depth Logger | 4726' | | |
| Bottom Logged Interval | 4705' | | |
| Top Log Interval | 3750' | | |
| Casing Driller | 8 5/8" @ 234' | | |
| Casing Logger | 234' | | |
| Bit Size | 7 7/8" | | |
| Type Fluid in Hole | Chemical | | |
| Density / Viscosity | 9.2/56 | | |
| pH / Fluid Loss | 10/8.8 | | |
| Source of Sample | Pit | | |
| Rm @ Meas. Temp | 0.50@86degf | | |
| Rmf @ Meas. Temp | 0.40@86degf | | |
| Rmc @ Meas. Temp | 0.64@86degf | | |
| Source of Rmf / Rmc | Calculated | | |
| Rm @ BHT | 0.35@122degf | | |
| Time Circulation Stopped | 11:00 a.m | | |
| Time Logger on Bottom | 4:30 p.m | | |
| Maximum Recorded Temperature | 122degf | | |
| Equipment Number | T729 | | |
| Location | Hays, KS | | |
| Recorded By | Casey Patterson | | |
| Witnessed By | Mr. Keith Reavis | Mr. Matt Bickle | |

<<< Fold Here >>>



Comments

South out of Oakley on Hwy. 83 20 mi to Jayhawk Rd.,
Then 4 mi. East to 14 Rd., Then North 1/2 mi. West into Location

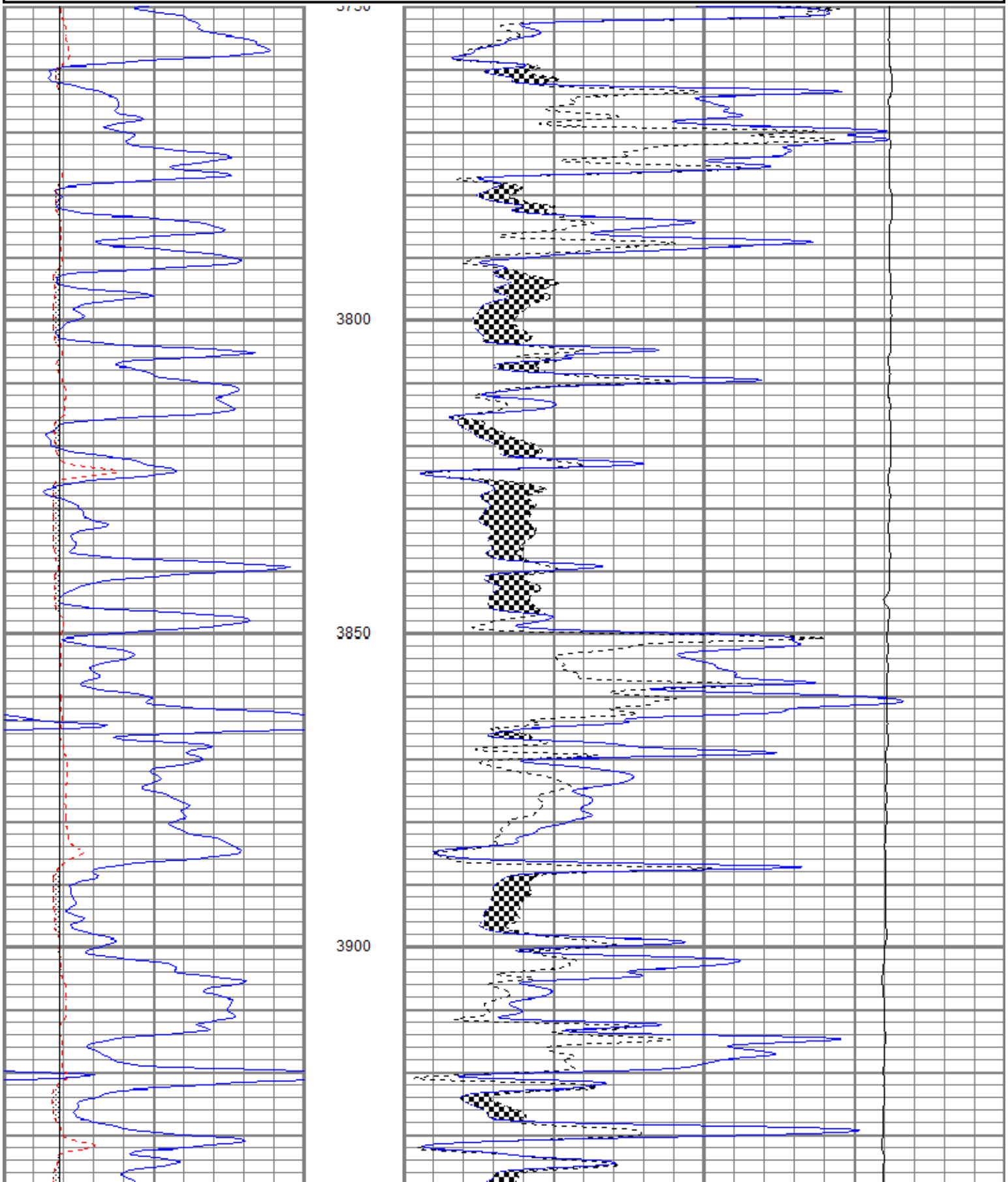
Thanks for using Gemini Wireline LLC
785-625-1182

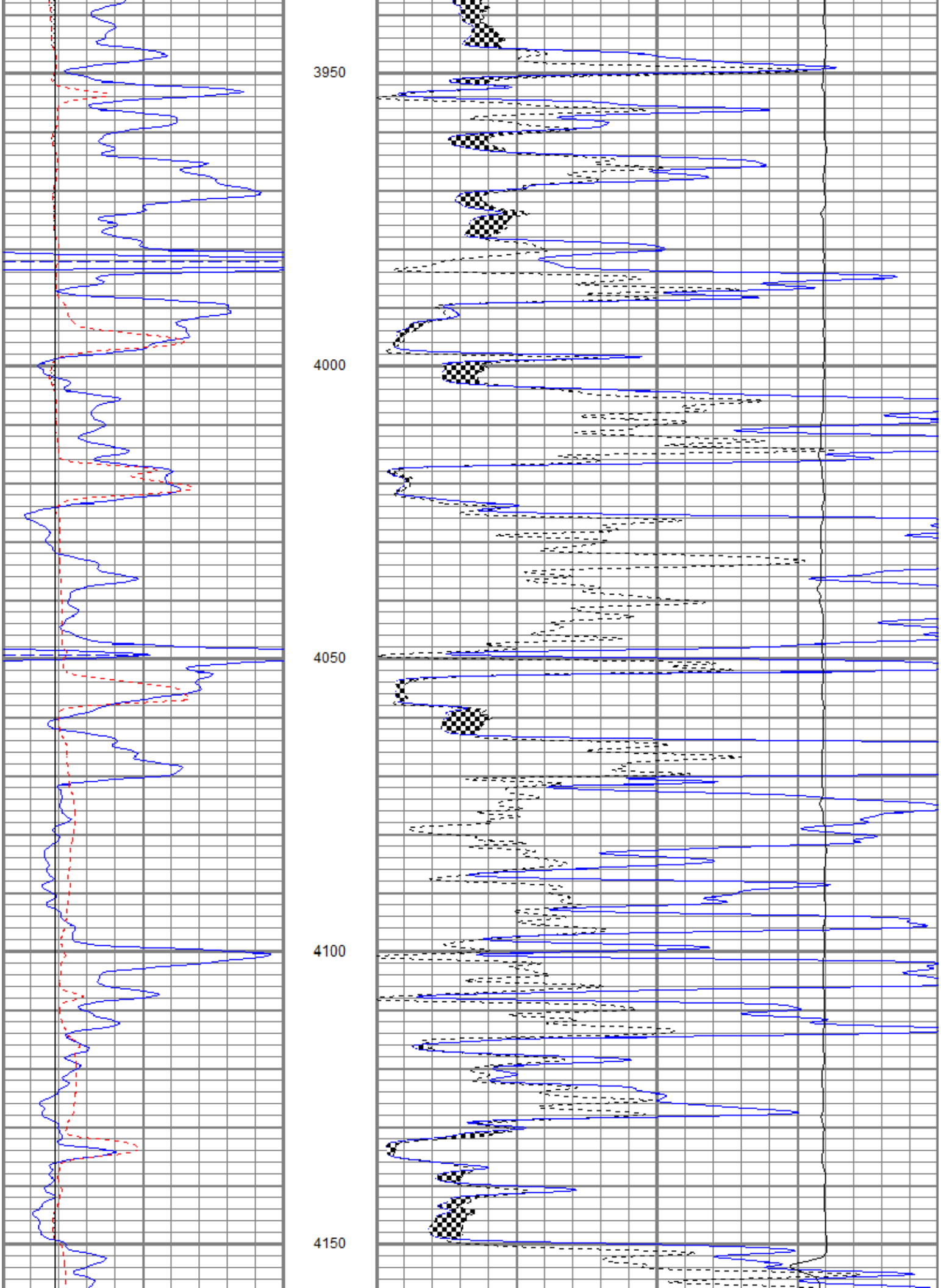
MAIN PASS

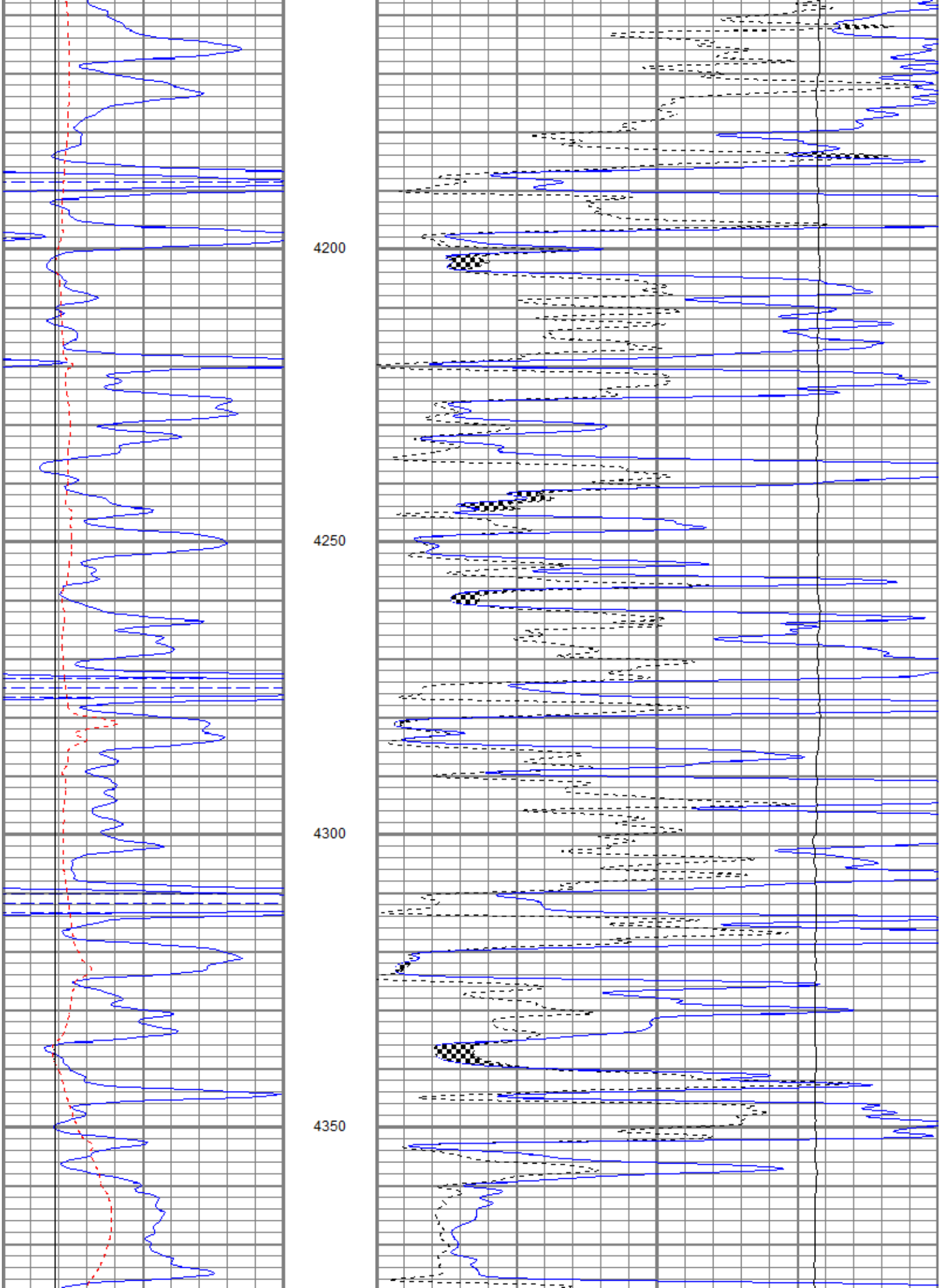
| | |
|---|---|
| Database File | bewheatland8-3oh.db |
| Dataset Pathname | pass8.1 |
| Presentation Format | kml |
| Dataset Creation | Sat Sep 02 18:12:05 2017 |
| Charted by | Depth in Feet scaled 1:240 |

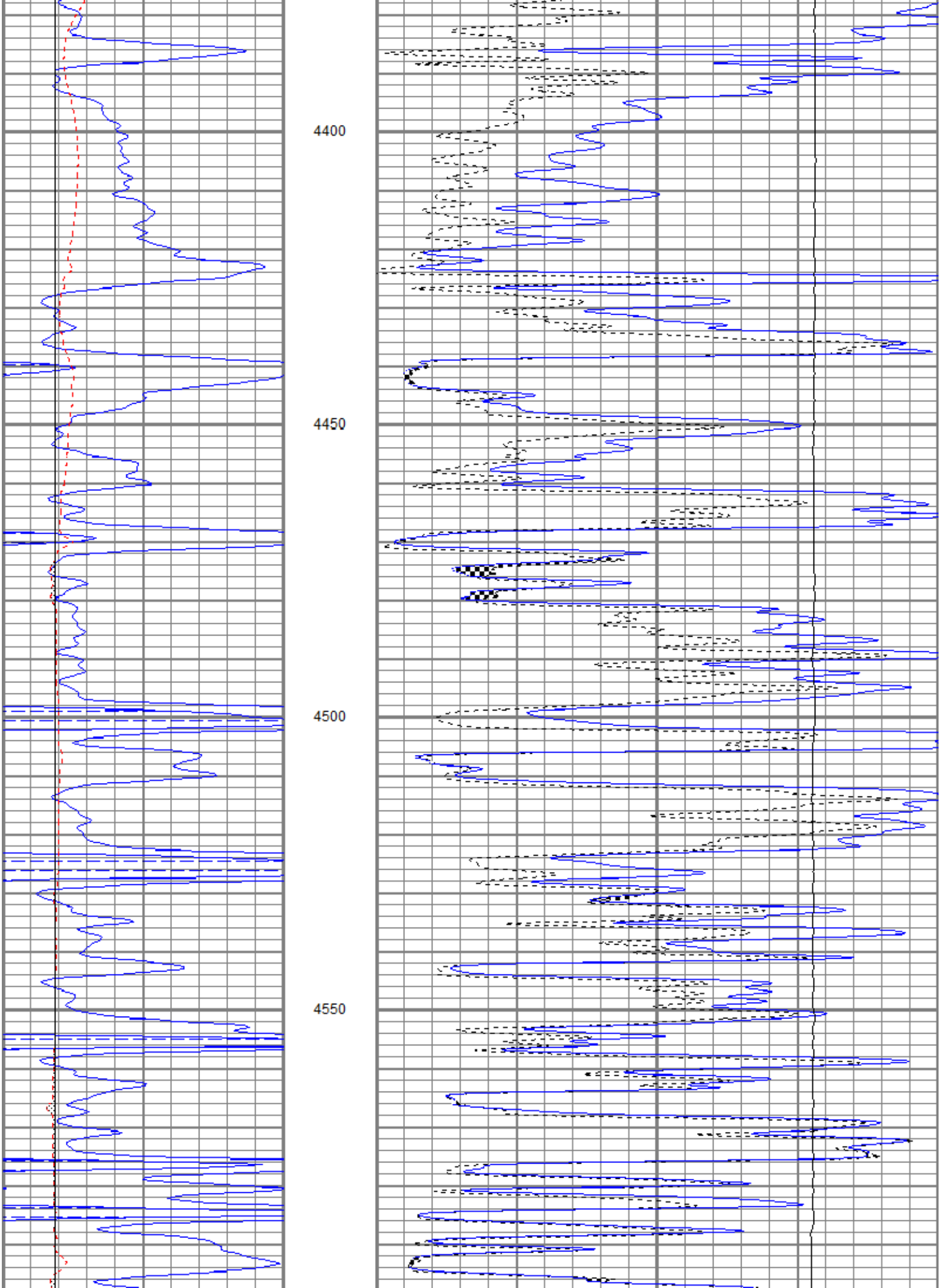
| | | |
|---|---|---|
| 0 | GR (GAPI) | 150 |
| 6 | MCAL (in) | 16 |
| 6 | BOREID (in) | 16 |

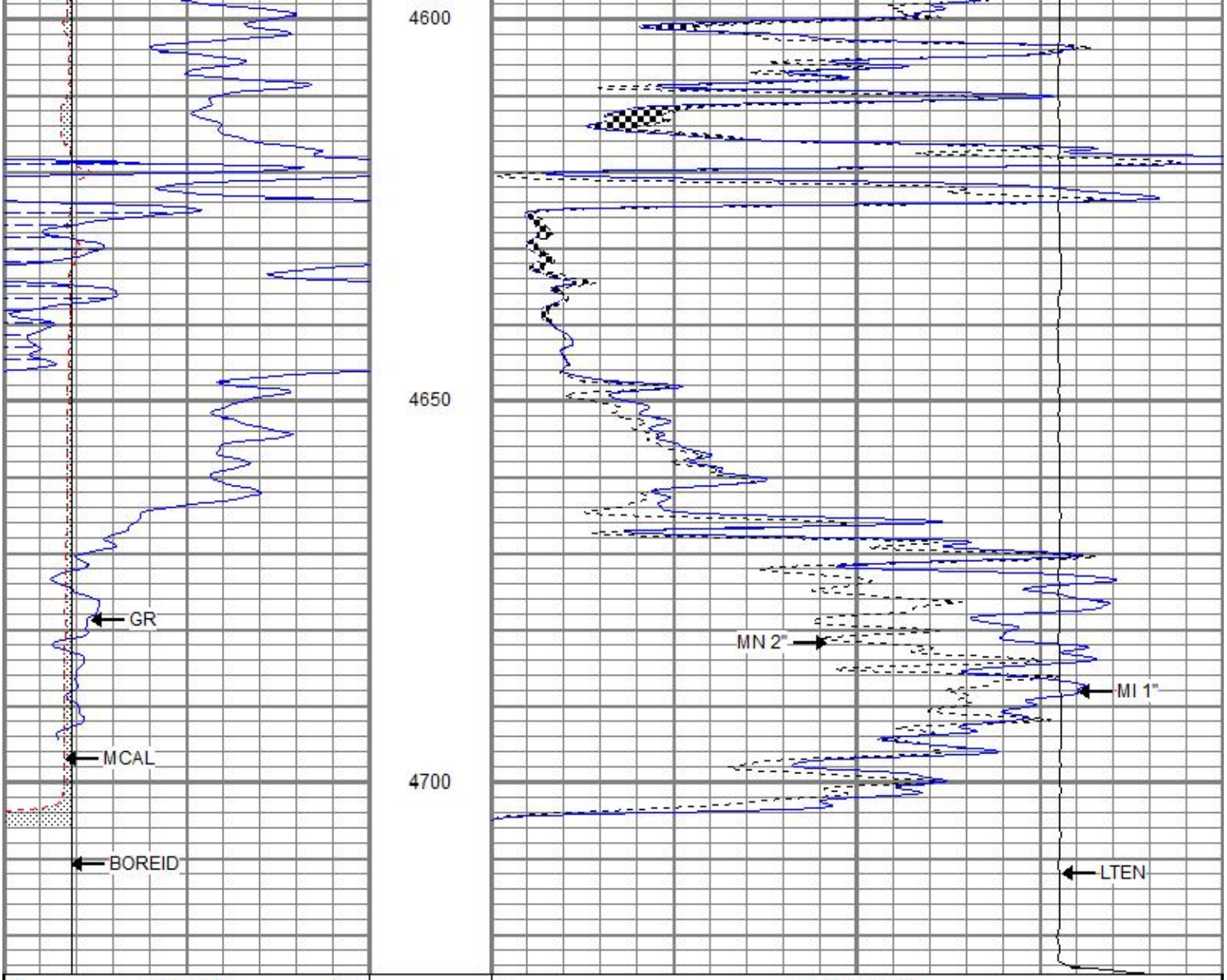
| | | |
|---|---|---|
| 0 | MN 2" (Ohm-m) | 20 |
| 0 | MI 1" (Ohm-m) | 20 |
| 10000 | LTEN (lb) | 0 |




3950
4000
4050
4100
4150


4200
4250
4300
4350


4400
4450
4500
4550




| | | |
|---|---|---|
| 0 | GR (GAPI) | 150 |
| 6 | MCAL (in) | 16 |
| 6 | BOREID (in) | 16 |

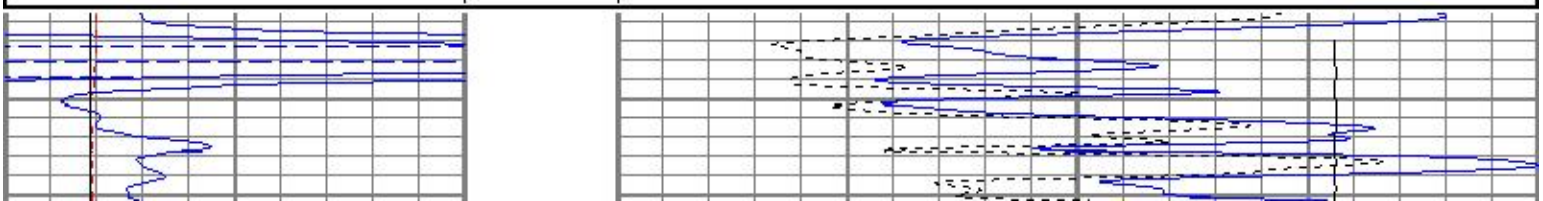
| | | |
|---|---|---|
| 0 | MN 2" (Ohm-m) | 20 |
| 0 | MI 1" (Ohm-m) | 20 |
| 10000 | LTEN (lb) | 0 |

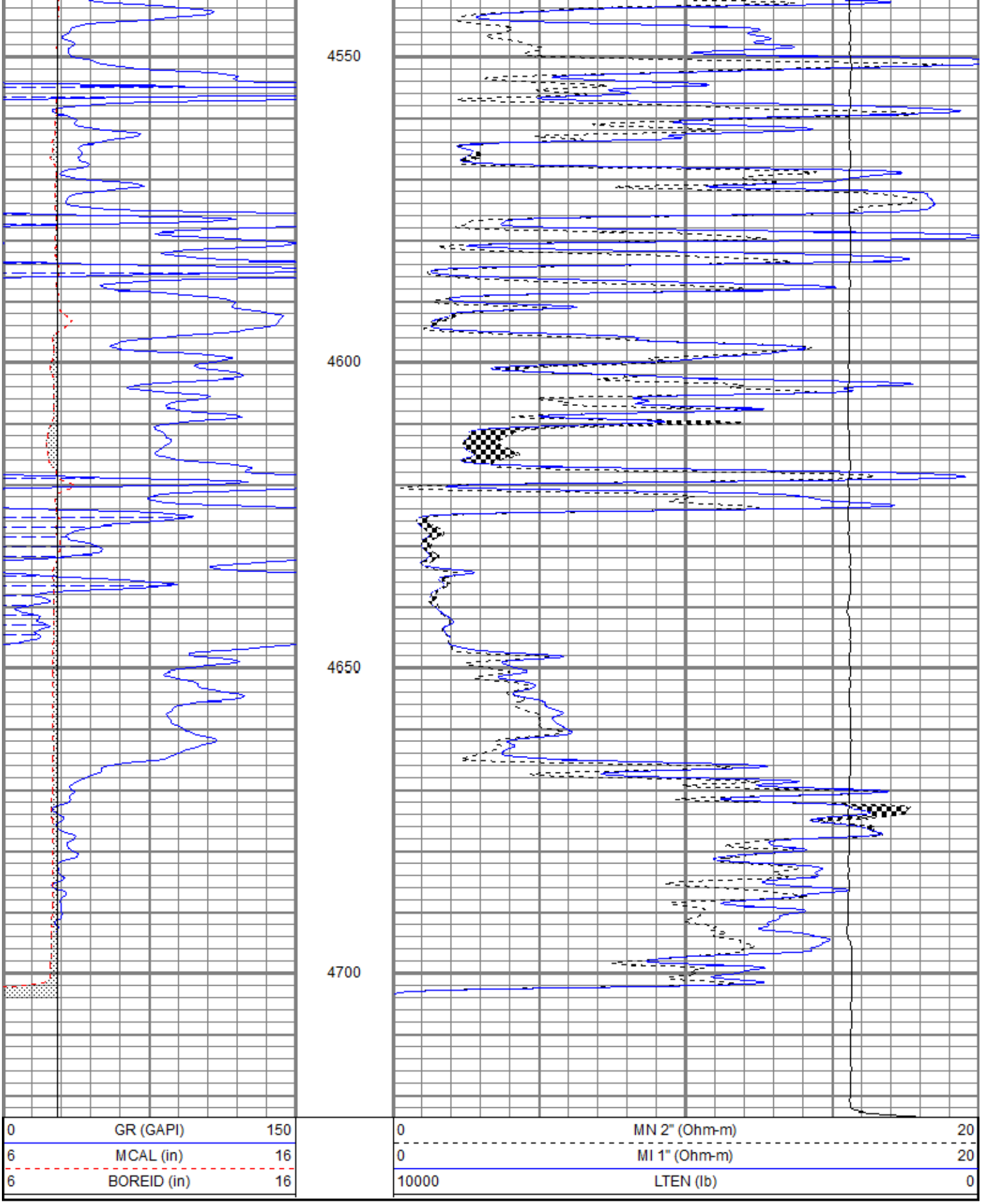
# REPEAT SECTION

| | |
|---|---|
| Database File | bewheatland8-3oh.db |
| Dataset Pathname | pass7.1 |
| Presentation Format | kml |
| Dataset Creation | Sat Sep 02 17:33:47 2017 |
| Charted by | Depth in Feet scaled 1:240 |

| | | |
|---|---|---|
| 0 | GR (GAPI) | 150 |
| 6 | MCAL (in) | 16 |
| 6 | BOREID (in) | 16 |

| | | |
|---|---|---|
| 0 | MN 2" (Ohm-m) | 20 |
| 0 | MI 1" (Ohm-m) | 20 |
| 10000 | LTEN (lb) | 0 |






Calibration Report

| | |
|---|---|
| Database File | bewheatland8-3oh.db |
| Dataset Pathname | pass8.1 |
| Dataset Creation | Sat Sep 02 18:12:05 2017 |

## Microlog Calibration Report

Serial-Model: 1600-Pengo
Performed: Sat Sep 02 16:31:50 2017

| | Readings | | | References | | | Results | |
|---|---|---|---|---|---|---|---|---|
| | Zero | Cal | | Zero | Cal | | m | b |
| Normal | -0.0024 | 0.5832 | V | 0.0000 | 10.0000 | Ohm-m | 17.0626 | 0.0407 |
| Inverse | -0.0014 | 0.7570 | V | 0.0000 | 8.2000 | Ohm-m | 10.8127 | 0.0150 |
| Caliper | 1.0301 | 2.2816 | V | 6.5000 | 10.0000 | in | 2.7968 | 3.6190 |

## Gamma Ray Calibration Report

| | | |
|---|---|---|
| Serial Number: | 2001 | |
| Tool Model: | OH | |
| Performed: | Thu Aug 03 06:10:54 2017 | |
| Calibrator Value: | 1.0 | GAPI |
| Background Reading: | 0.0 | cps |
| Calibrator Reading: | 1.0 | cps |
| Sensitivity: | 0.8000 | GAPI/cps |

| Sensor | Offset (ft) | Schematic | Description | Length (ft) | O.D. (in) | Weight (lb) |
|---|---|---|---|---|---|---|
| | | | CHD-None | 0.75 | 1.50 | 5.00 |
| GR | 27.88 | | GR-OH (2001)<br>2001 | 3.56 | 3.25 | 40.00 |
| | | | ML-Pengo (1600) | 6.97 | 3.50 | 100.00 |
| MCAL | 21.05 | | | | | |
| MI | 21.05 | | | | | |
| MN | 21.05 | | | | | |
| WVF4 | 13.79 | | | | | |
| WVF3 | 12.79 | | SLT-G (372)<br>Sonic | 15.71 | 3.50 | 250.00 |
| WVF2 | 9.79 | | | | | |
| WVF1 | 8.79 | | | | | |
| | | | CENT-OHshort<br>Open Hole short centralizer | 4.04 | 3.50 | 50.00 |

Dataset: bewheatland8-3oh.db: field/well/run1/pass8.1
Total length: 31.03 ft
Total weight: 445.00 lb
O.D.: 3.50 in