Company HIGHPOINT RESOURCES
Well FOX CREEK 34-0263B
Field HEREFORD
County WELD
State COLORADO

GO WIRELINE LLC

# RCBL
# GAMMA RAY / CCL

Company HIGHPOINT RESOURCES
Well FOX CREEK 34-0263B
Field HEREFORD
County WELD State COLORADO

Location: API #: 05-123-49944-00
SHL: 1168' FNL 1038' FWL
NWNW
SEC 34 TWP 12N RGE 63W

Other Services
NONE

Permanent Datum GL Elevation 5451'
Log Measured From GL
Drilling Measured From KB

Elevation
K.B. 5471'
D.F. --
G.L. 5451'

| | |
|---|---|
| Date | 07 AUG. 2020 |
| Run Number | 1 |
| Depth Driller | 18381' |
| Depth Logger | 7860' |
| Bottom Logged Interval | 7860' |
| Top Log Interval | SURFACE |
| Open Hole Size | 8.75" |
| Type Fluid | H2O |
| Density / Viscosity | N/A |
| Max. Recorded Temp. | N/A |
| Estimated Cement Top | 3650' |
| Time Well Ready | 15:00 |
| Time Logger on Bottom | 15:45 |
| Equipment Number | 216 |
| Location | GREELEY, CO |
| Recorded By | S. STUMP |
| Witnessed By | R. BEHRENDT |

| Borehole Record | | | | Tubing Record | | | |
|---|---|---|---|---|---|---|---|
| Run Number | Bit | From | To | Size | Weight | From | To |
| | | | | | | | |

| Casing Record | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | 9 5/8" | 36# | 0' | 1546' |
| Prot. String | 7" | 23# | 0' | 8058' |
| Production String | 4.5" | 11.6# | 0' | 18381' |
| Liner | | | | |

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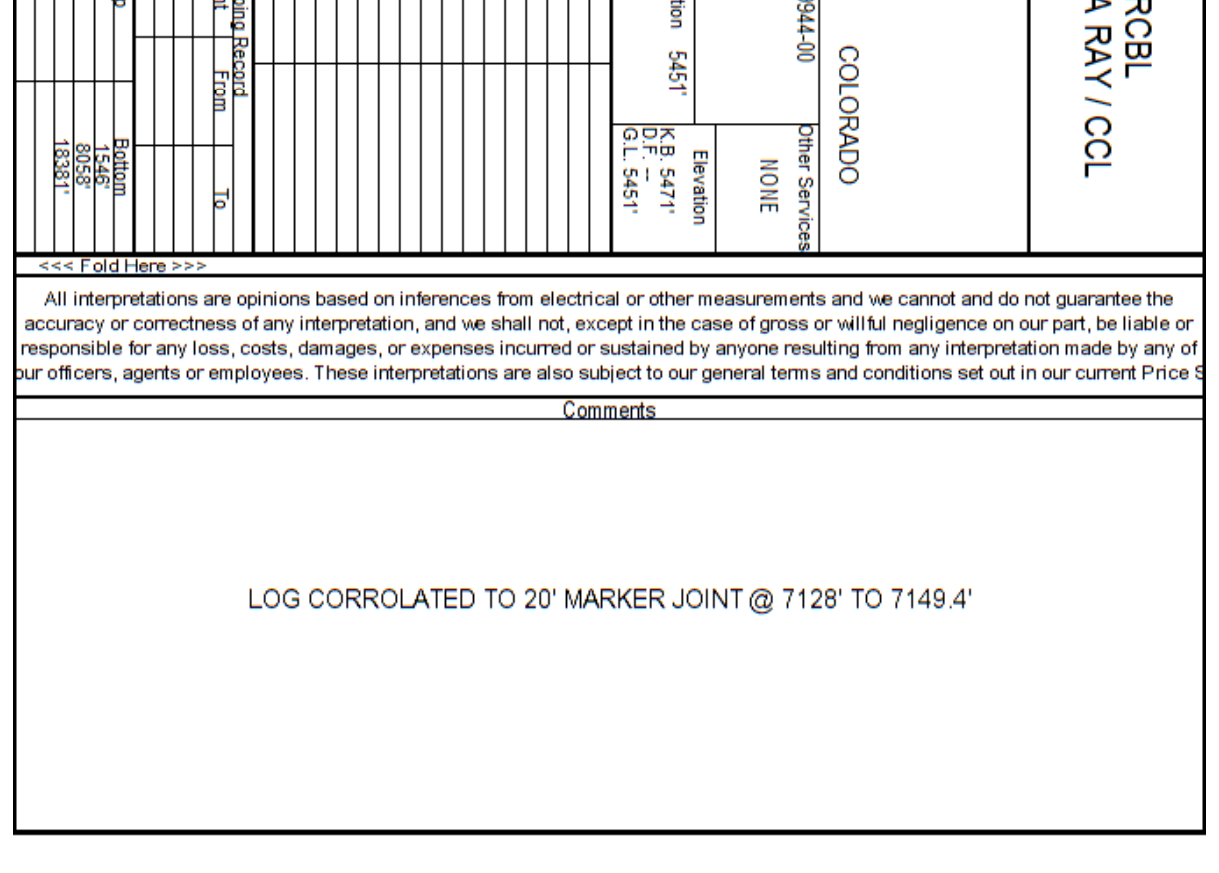
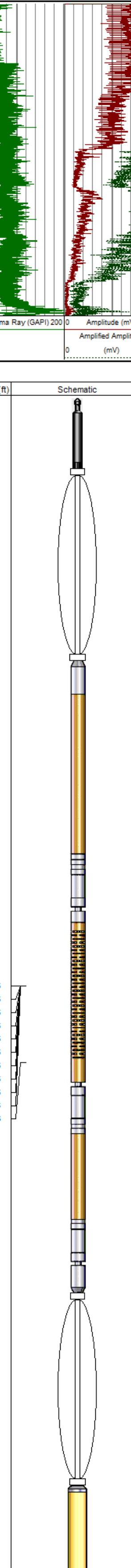
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price S

Comments

LOG CORROLATED TO 20' MARKER JOINT @ 7128' TO 7149.4'

Database File 90644_highpoint_foxcreek_rcbl.db
Dataset Pathname FINAL
Presentation Format rbl_1inch_2020
Dataset Creation Tue Jan 07 17:50:19 2020
Charted by Depth in Feet scaled 1:20000





| Sensor | Offset (ft) | Description | Length (ft) | O.D. (in) | Weight (lb) |
|---|---|---|---|---|---|
| | | CHD-STNDRD<br>Standard Cable Head | 1.00 | 1.44 | 1.00 |
| | | CENT-tekco | 2.73 | 2.75 | 50.00 |
| WVFS8<br>WVFS7<br>WVFS6<br>WVFS5<br>WVFS4<br>WVFS3<br>WVFS2<br>WVFS1<br>WVFCAL<br>WVF3FT<br>WVF5FT | 12.56<br>12.56<br>12.56<br>12.56<br>12.56<br>12.56<br>12.56<br>12.56<br>12.56<br>12.56<br>11.48 | RBT-Probe (DD3_9_5_8)<br>Probe Radii Bond Tool with Digital Telemetry | 8.92 | 2.75 | 90.00 |
| | | CENT-tekco | 2.73 | 2.75 | 50.00 |
| CCL | 4.33 | CCL-tecko (D3)<br>3.125 logging ccl | 1.83 | 3.13 | 20.00 |
| GR | 1.13 | GR-probe 2.75 (DA2) | 3.67 | 2.75 | 100.00 |

Dataset: 90644_highpoint_foxcreek_rcbl.db: field/well/run1/MAIN PASS
Total length: 20.88 ft
Total weight: 311.00 lb
O.D.: 3.13 in

Calibration Report

Database File 90644_highpoint_foxcreek_rcbl.db
Dataset Pathname MAIN PASS
Dataset Creation Tue Jan 07 17:52:06 2020

Gamma Ray Calibration Report

| | | |
|---|---|---|
| Serial Number: | DA2 | |
| Tool Model: | probe 2.75 | |
| Performed: | Thu Jan 08 13:40:14 2015 | |
| Calibrator Value: | 200.0 | GAPI |
| Background Reading: | 39.6 | cps |
| Calibrator Reading: | 259.2 | cps |
| Sensitivity: | 0.9108 | GAPI/cps |

Segmented Cement Bond Log Calibration Report

| | | |
|---|---|---|
| Serial Number: | DD3_9_5_8 | |
| Tool Model: | Probe | |
| Calibration Casing Diameter: | 4.500 | in |
| Calibration Depth: | 154.843 | ft |

Master Calibration, performed (Derived):

| | Raw (v) | | Calibrated (mv) | | Results | |
|---|---|---|---|---|---|---|
| | Zero | Cal | Zero | Cal | Gain | Offset |
| 3' | 0.003 | 0.839 | 1.000 | 81.196 | 95.869 | 0.734 |
| CAL | 1.017 | 1.016 | | | | |
| 5' | 0.009 | 0.868 | 1.000 | 81.196 | 93.362 | 0.117 |
| SUM | | | | | | |
| S1 | 0.020 | 0.921 | 0.000 | 100.000 | 110.961 | -2.193 |
| S2 | 0.009 | 0.924 | 0.000 | 100.000 | 109.331 | -1.014 |
| S3 | 0.003 | 0.876 | 0.000 | 100.000 | 114.548 | -0.326 |
| S4 | 0.004 | 0.824 | 0.000 | 100.000 | 121.877 | -0.432 |
| S5 | 0.004 | 0.807 | 0.000 | 100.000 | 124.564 | -0.558 |
| S6 | 0.000 | 0.847 | 0.000 | 100.000 | 118.103 | -0.002 |
| S7 | 0.001 | 0.874 | 0.000 | 100.000 | 114.583 | -0.125 |
| S8 | 0.022 | 0.891 | 0.000 | 100.000 | 115.072 | -2.553 |

Internal Reference Calibration, performed (Not Performed):

| | Raw (v) | | Calibrated (v) | | Results | |
|---|---|---|---|---|---|---|
| | Zero | Cal | Zero | Cal | Gain | Offset |
| CAL | 0.000 | 0.000 | 1.017 | 1.016 | 1.000 | 0.000 |

Air Zero Calibration, performed Tue Jan 07 10:08:37 2020:

| | Raw (v) | Calibrated (v) | Results |
|---|---|---|---|
| | Zero | Zero | Offset |
| 3' | 0.000 | 0.000 | 0.000 |
| 5' | 0.000 | 0.000 | 0.000 |
| SUM | | | |
| S1 | 0.000 | 0.000 | 0.000 |
| S2 | 0.000 | 0.000 | 0.000 |
| S3 | 0.000 | 0.000 | 0.000 |
| S4 | 0.000 | 0.000 | 0.000 |
| S5 | 0.000 | 0.000 | 0.000 |
| S6 | 0.000 | 0.000 | 0.000 |
| S7 | 0.000 | 0.000 | 0.000 |
| S8 | 0.000 | 0.000 | 0.000 |

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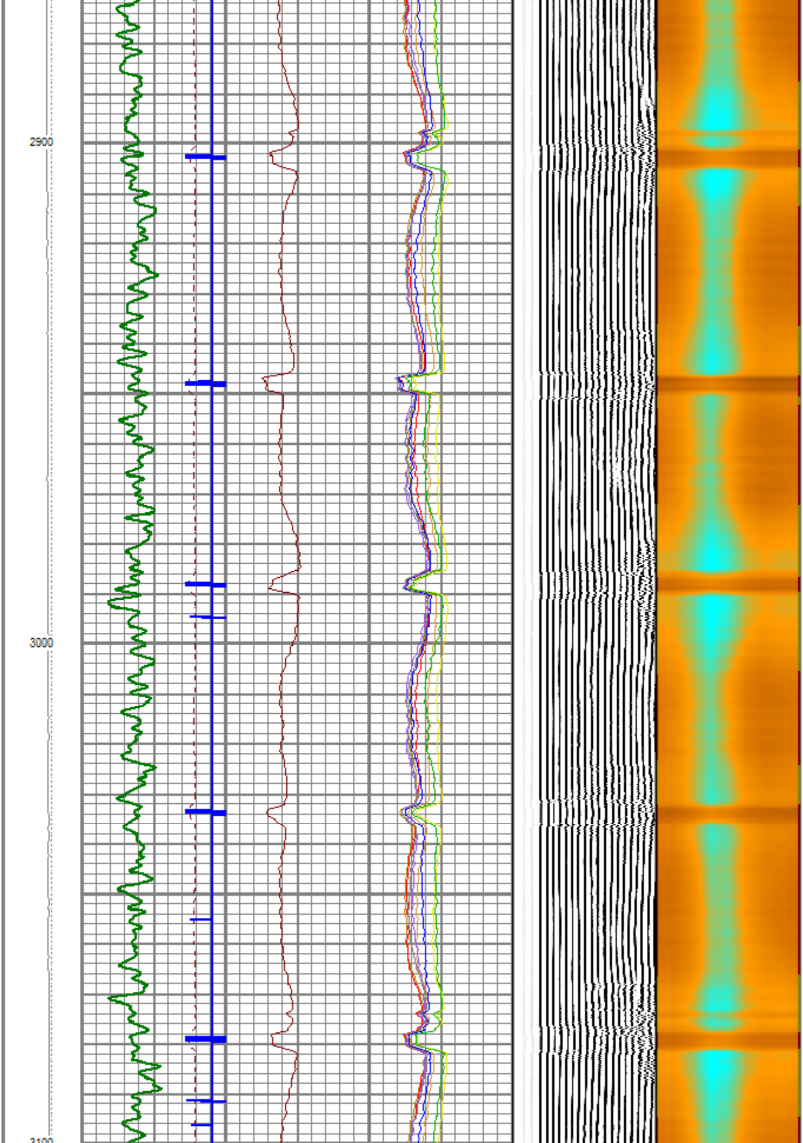
## MAIN PASS

0 PSI ON WELL WHILE LOGGING

Database File 90644_highpoint_foxcreek_rcbl.db
Dataset Pathname MAIN PASS
Presentation Format rbl_all_8_2020
Dataset Creation Tue Jan 07 17:52:06 2020
Charted by Depth in Feet scaled 1:240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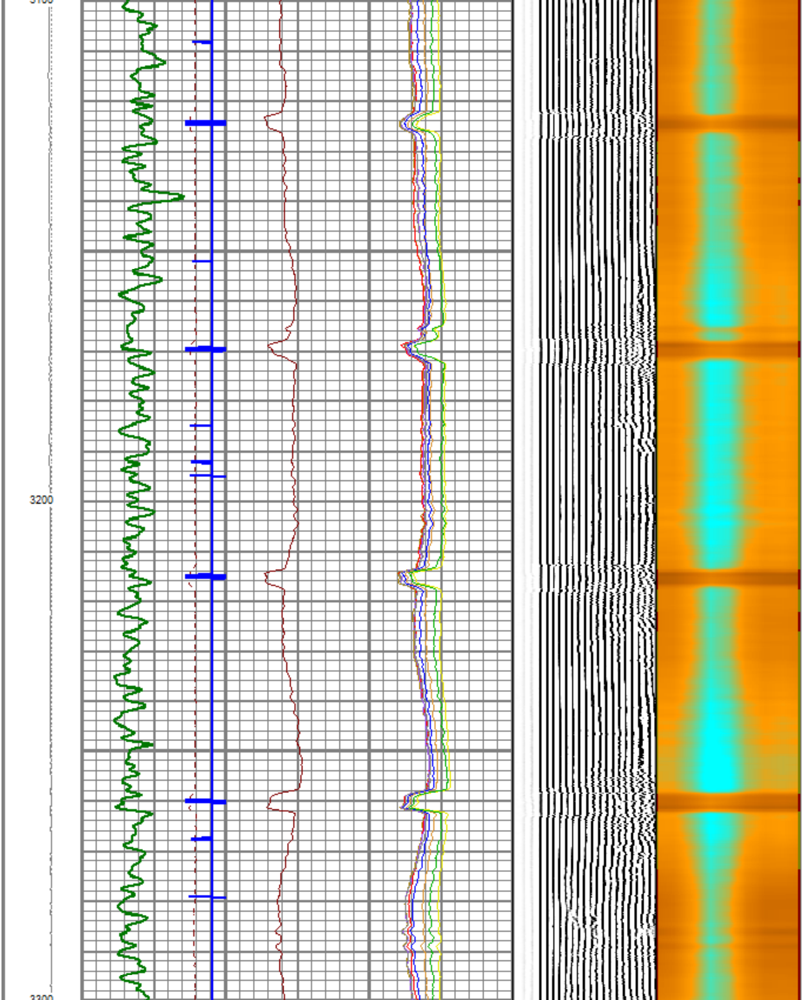
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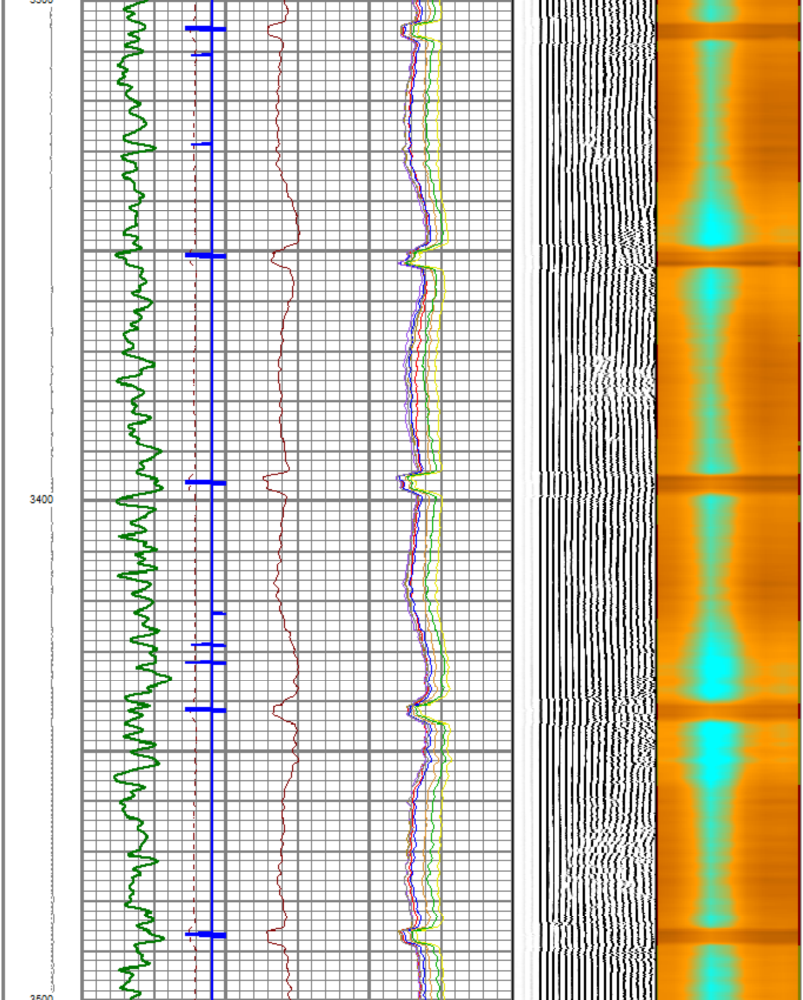
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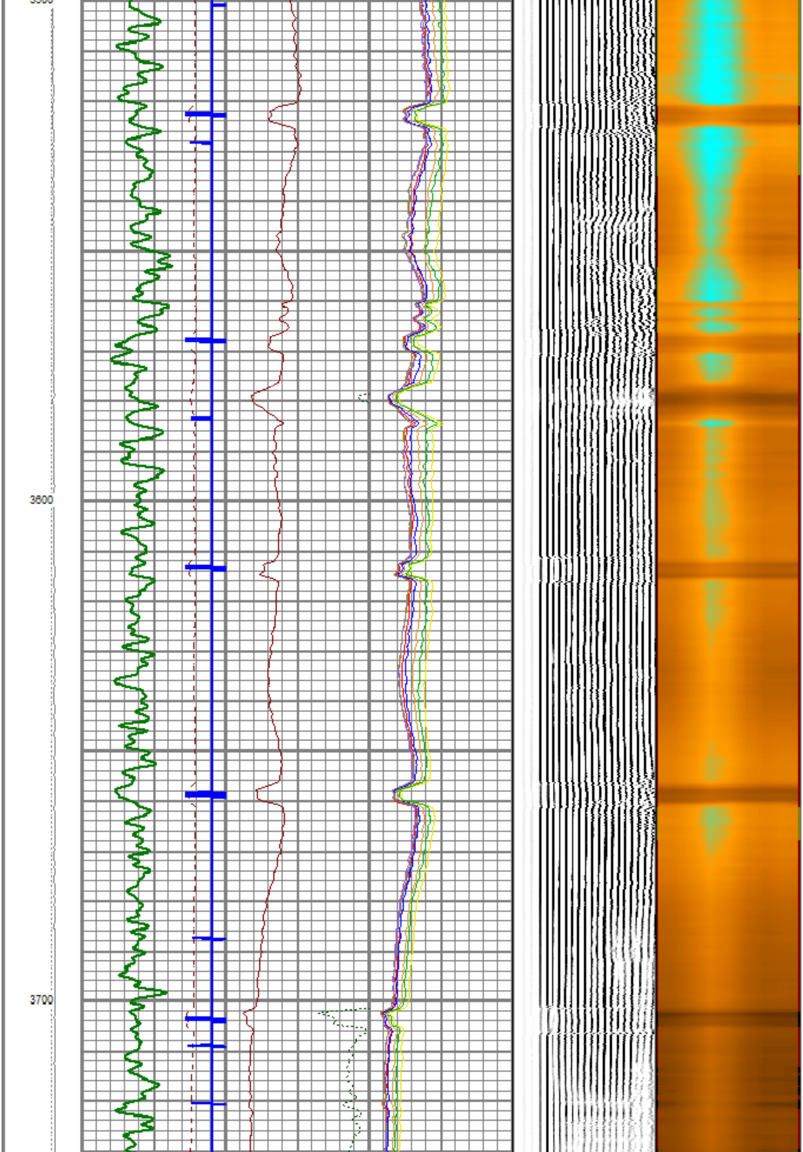
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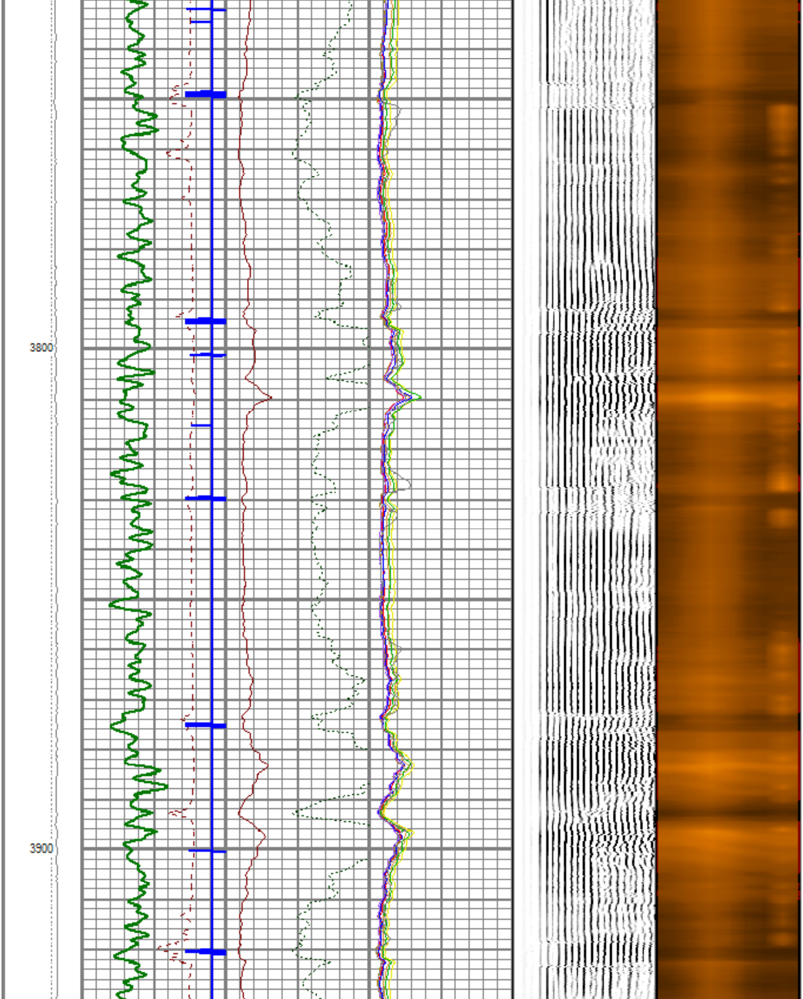
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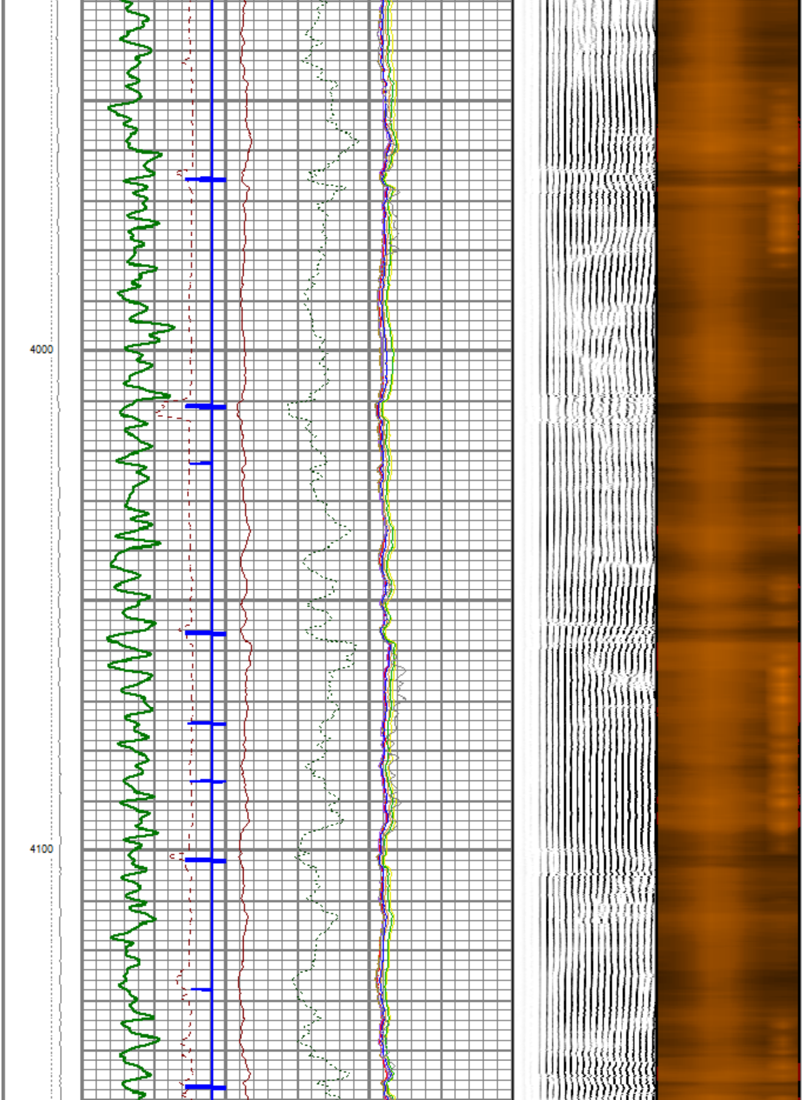
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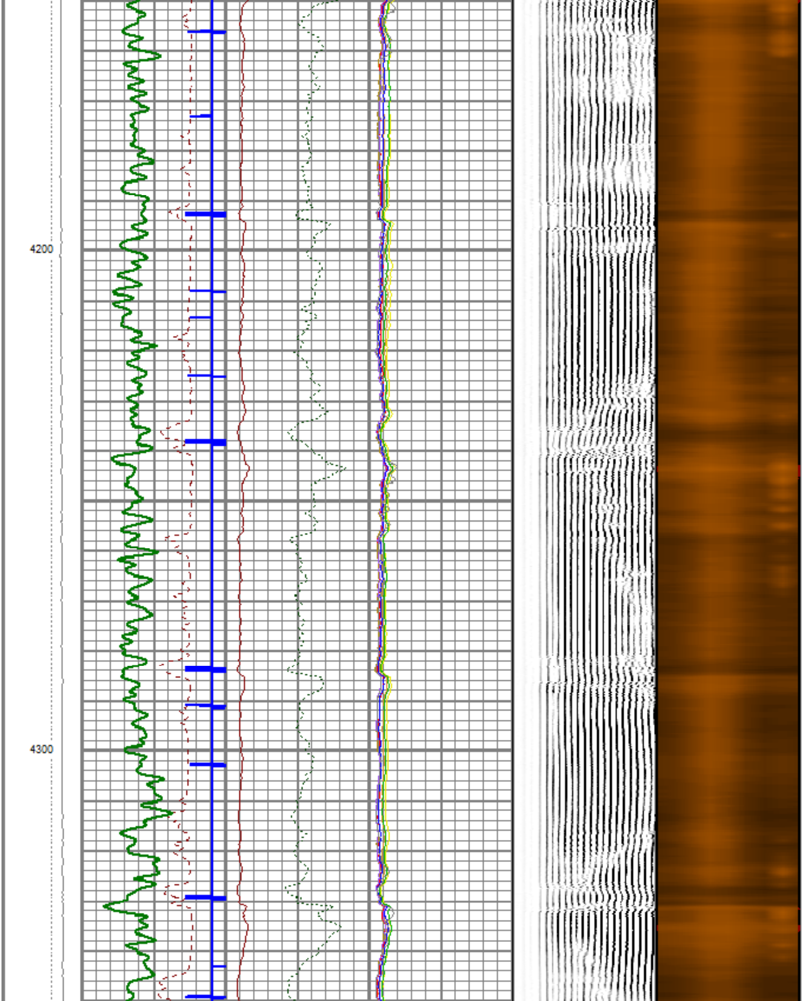
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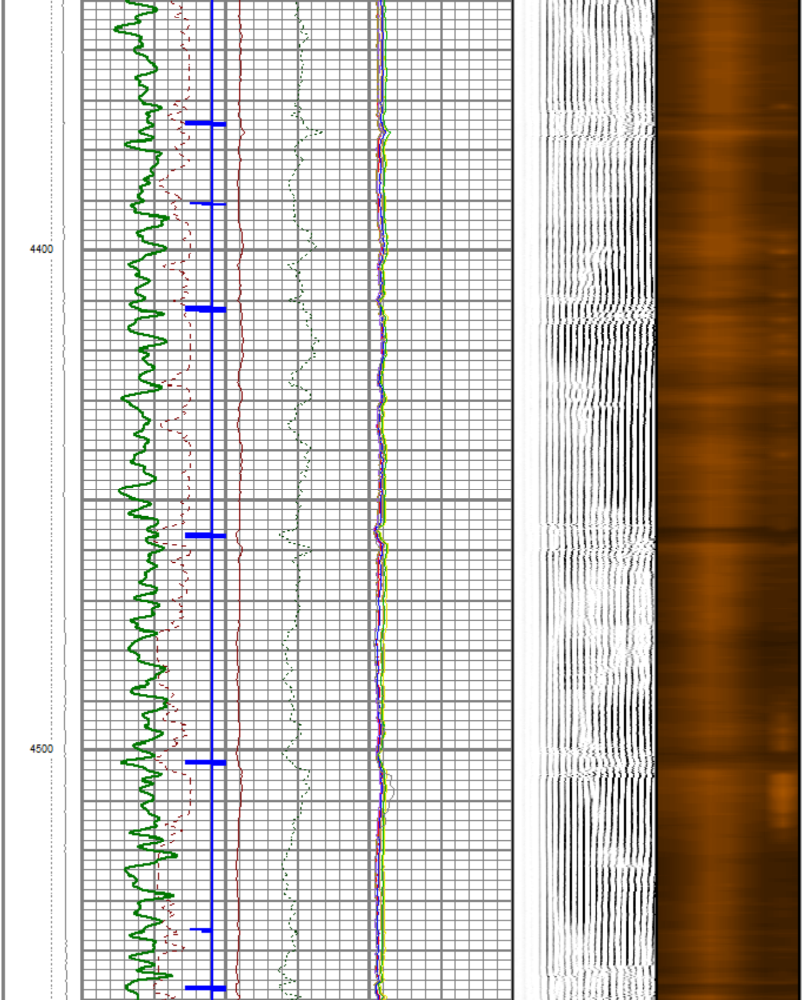
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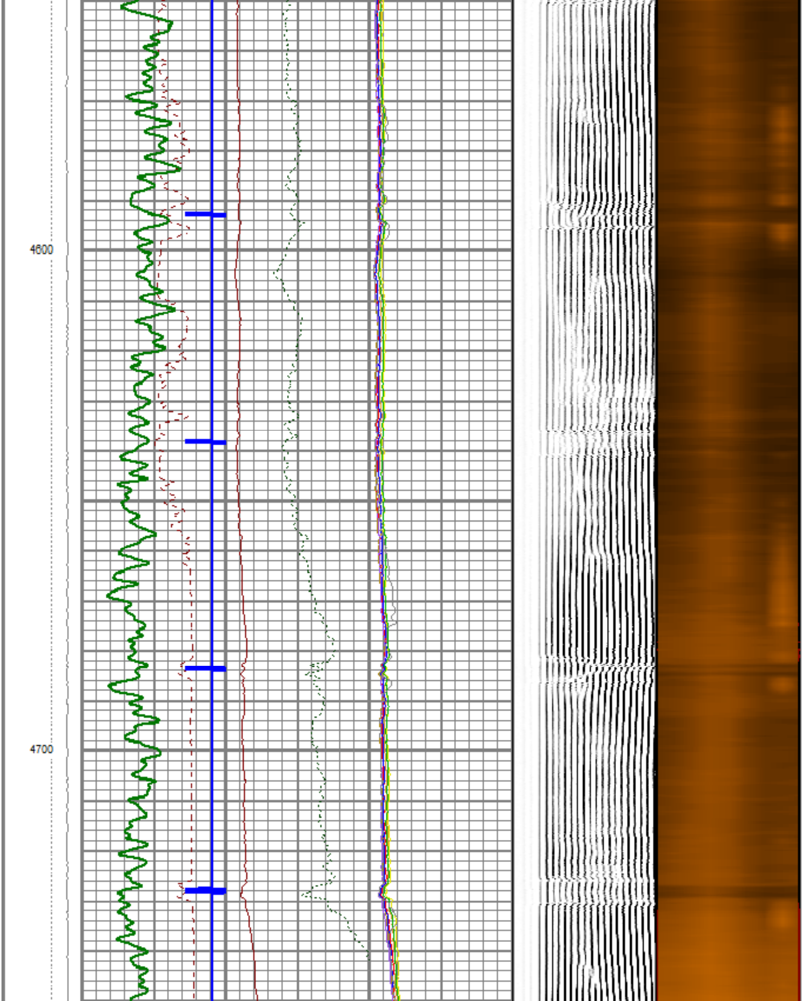
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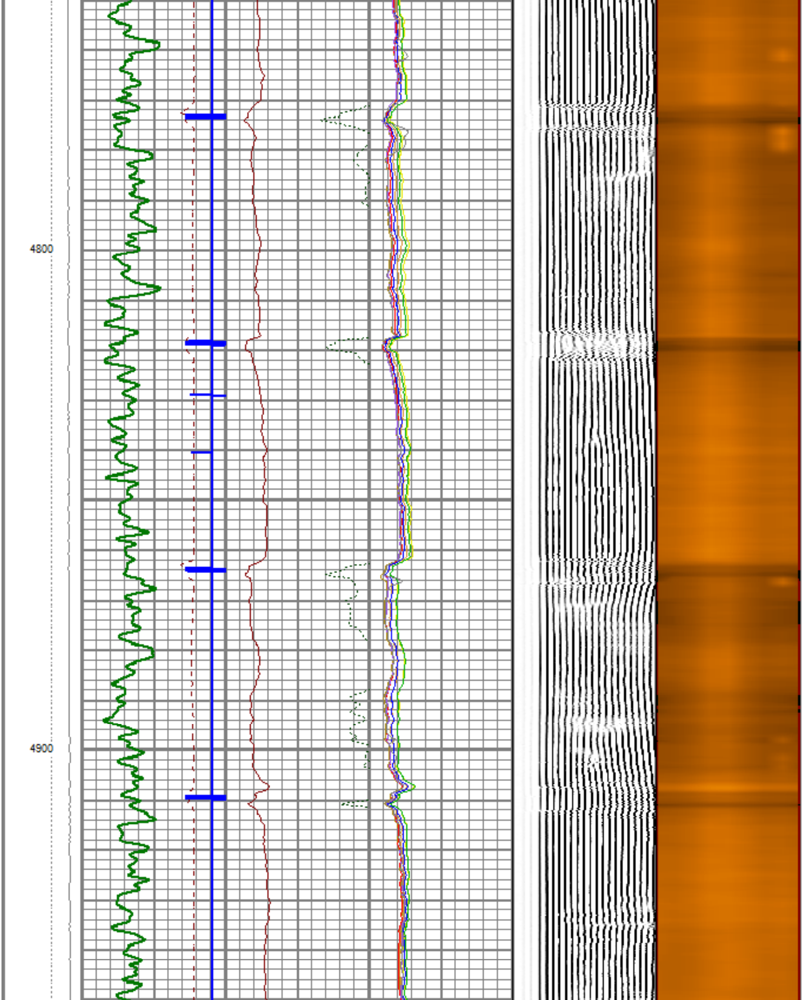
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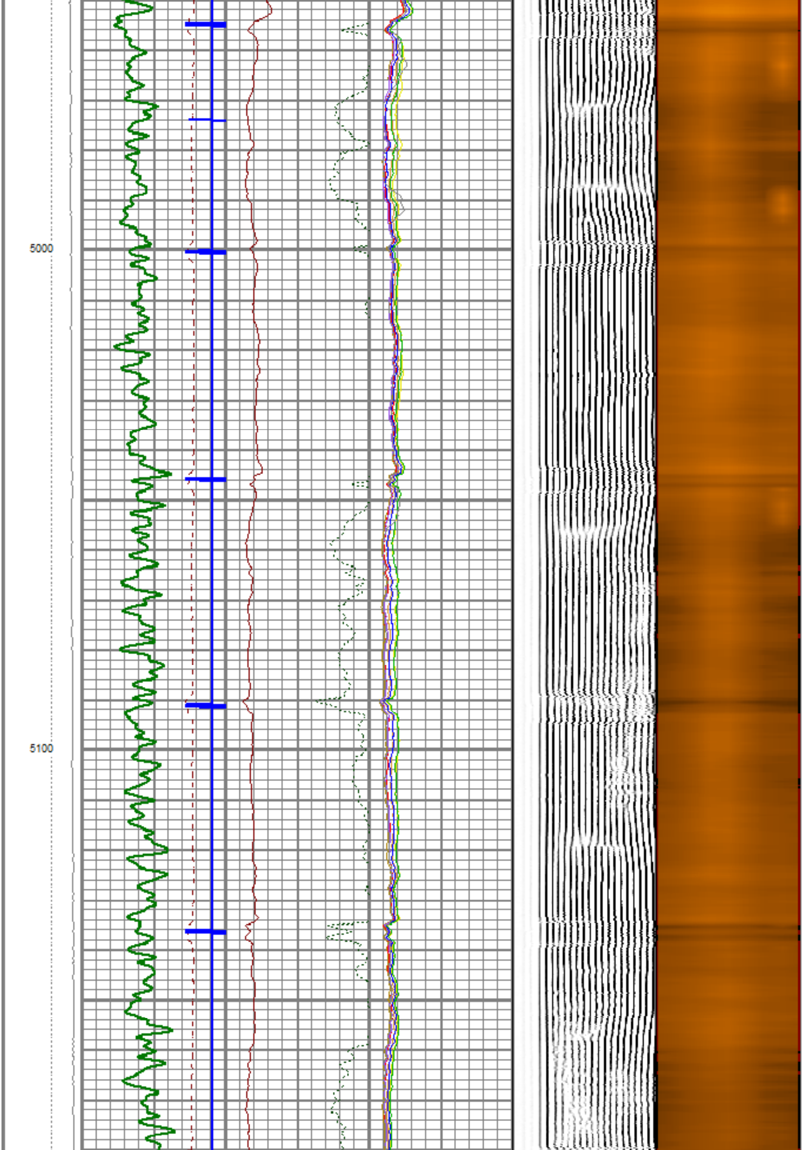
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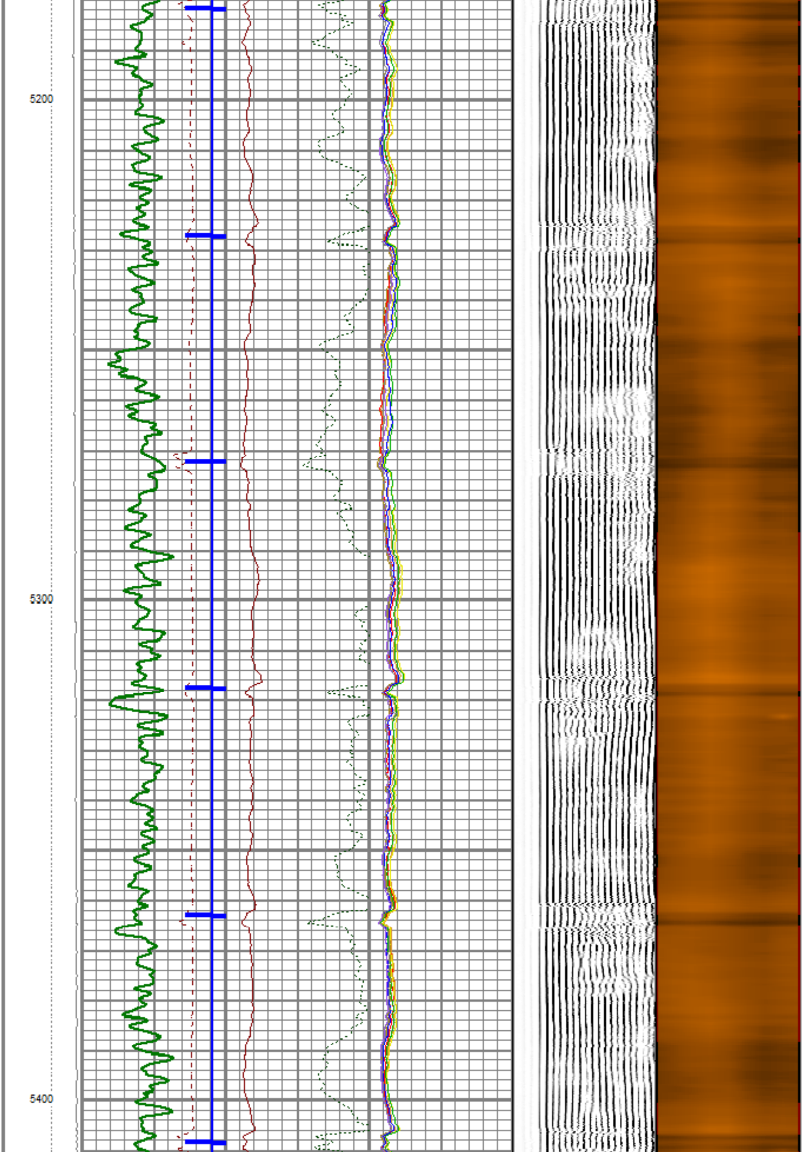
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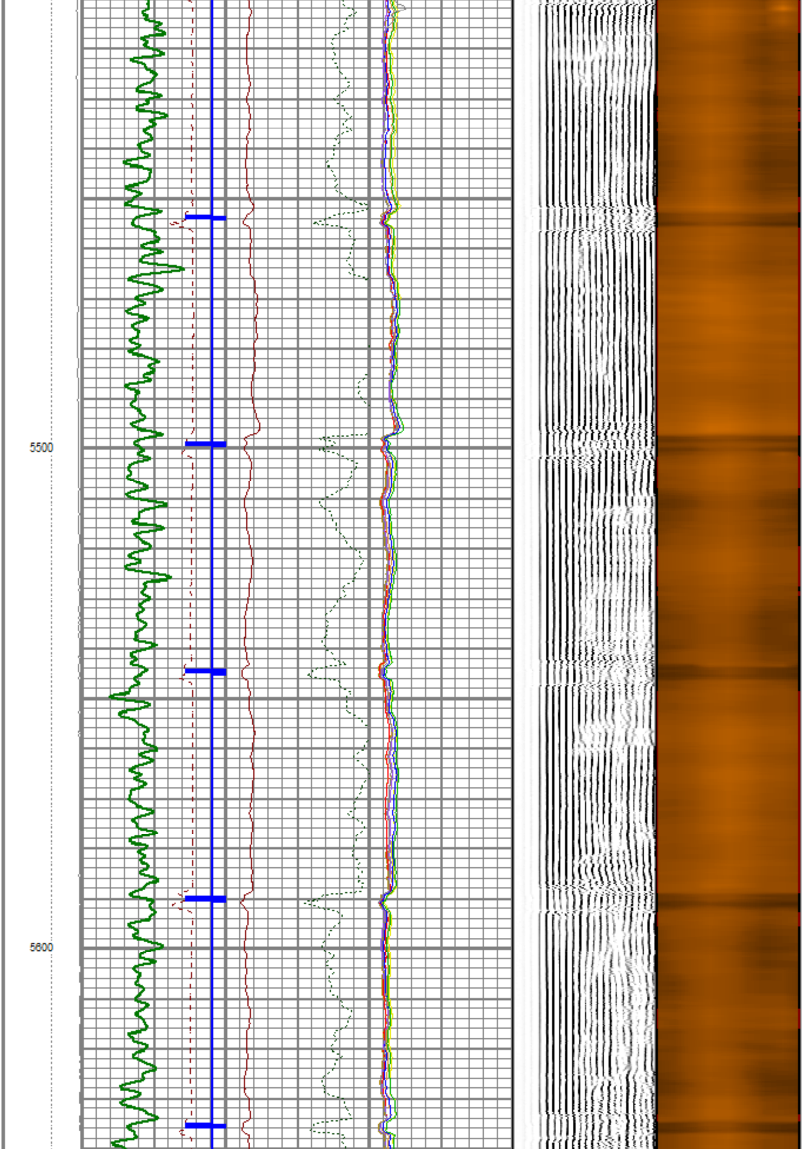
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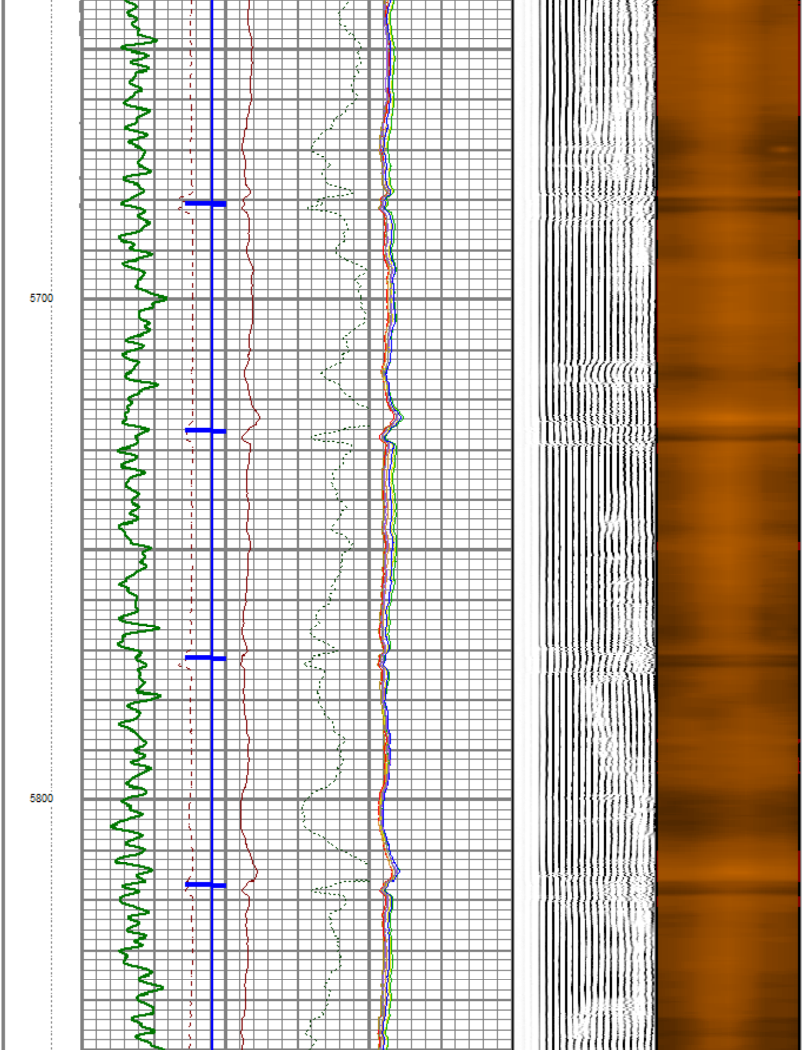
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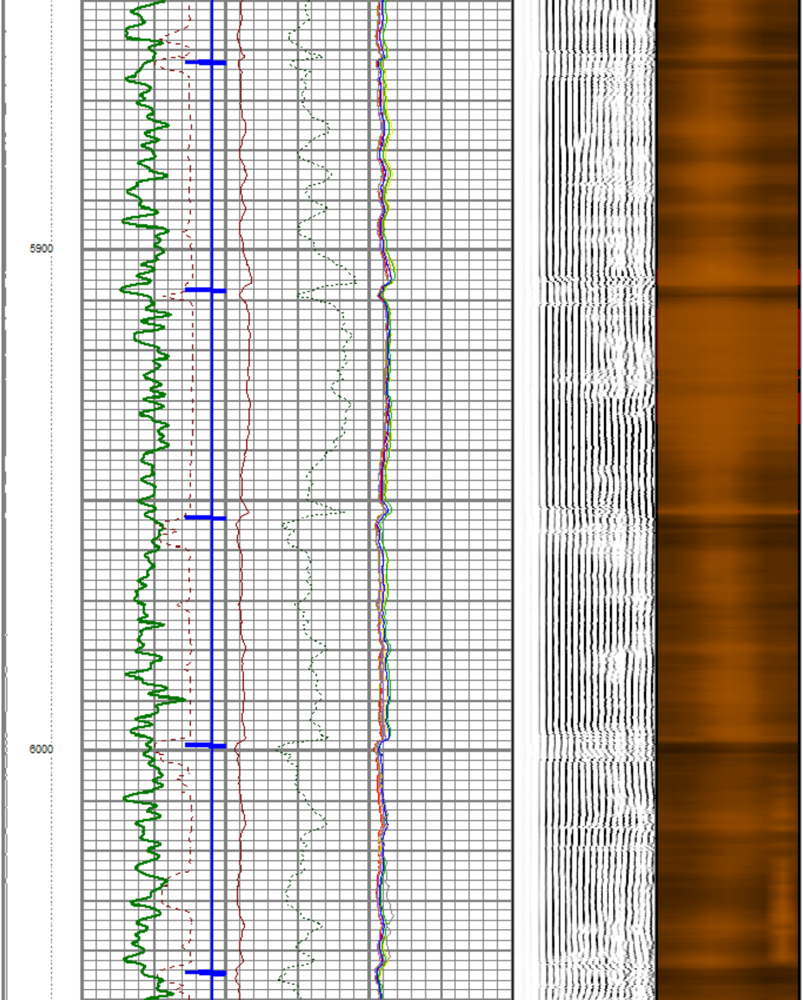
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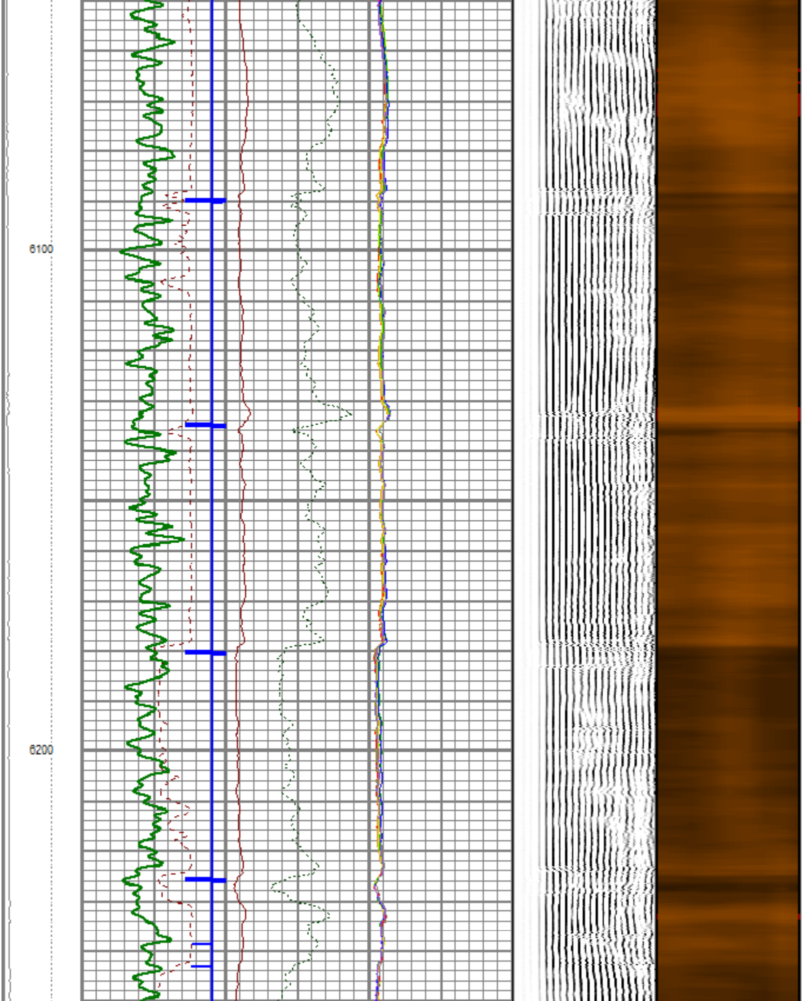
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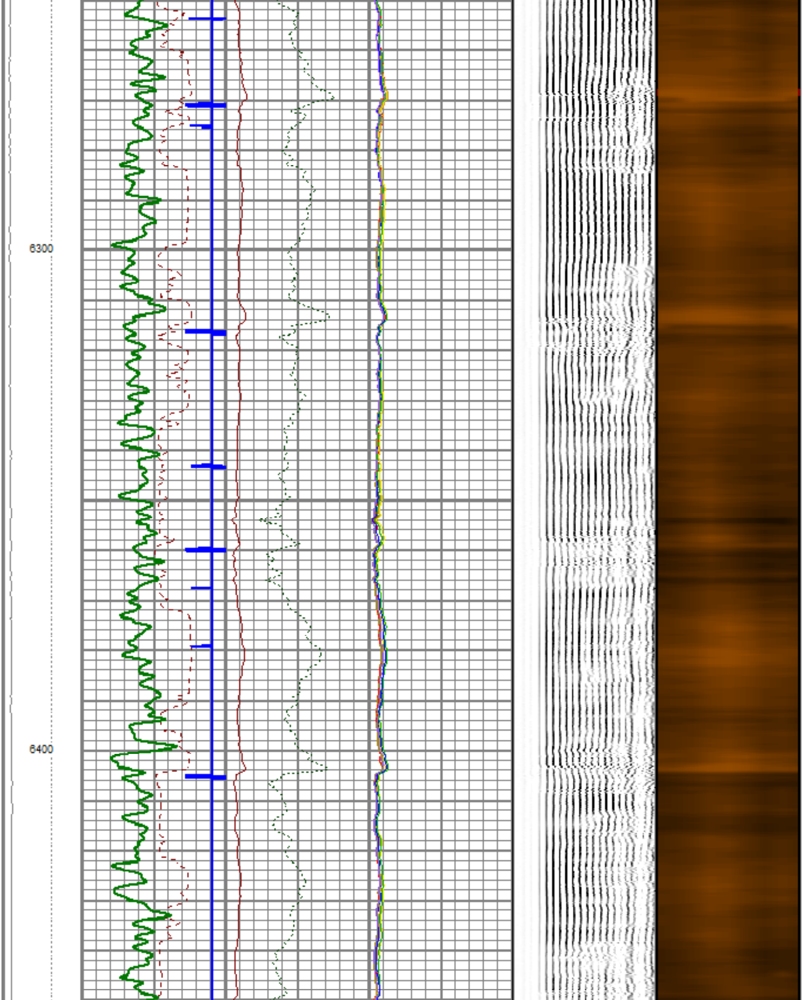
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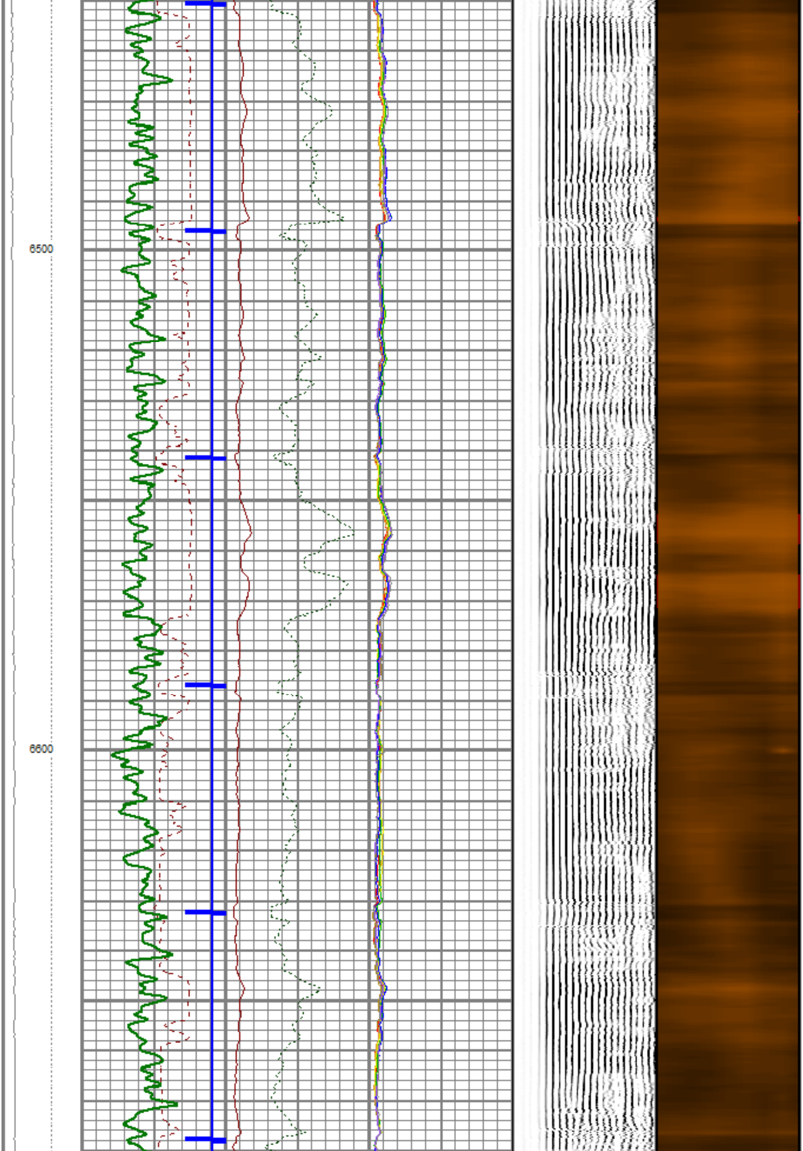
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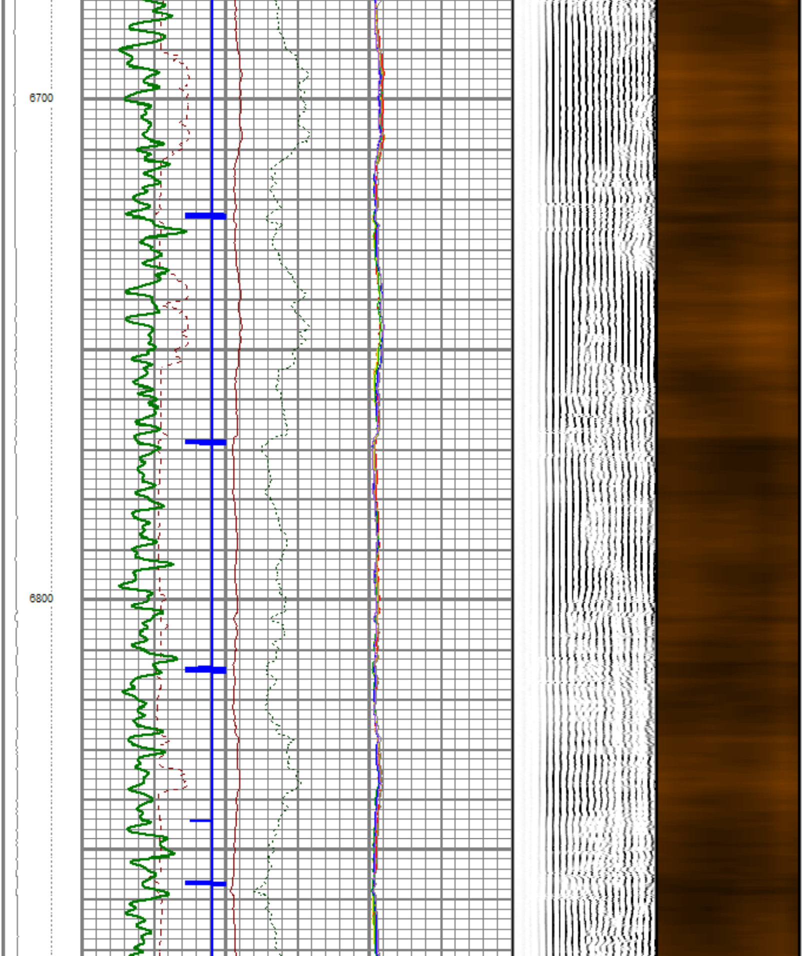
6700
6800

| LTEN | 3' Travel Time | 3' Amplitude (mV) | AMPS1 | 5' Variable Density | SECTORS |
|---|---|---|---|---|---|
| 0 (lb) 1000 | 400 (usec) 200 | 0 100 | 0 150 | 200 (usec) 1200 | 1 8 |
| LSPD | Casing Collar Locator | 3 'Amplified Amplitude | AMPS2 0 150 | -409.6 (V) 409.4 | -2 50 |
| (ft/min) | 0 Gamma Ray (GAPI) 200 | 0 (mV) 20 | AMPS3 0 150 | | |
| 500 -500 | | | AMPS4 0 150 | | |
| | | | AMPS5 0 150 | | |
| | | | AMPS6 0 150 | | |
| | | | AMPS7 0 150 | | |
| | | | AMPS8 0 150 | | |

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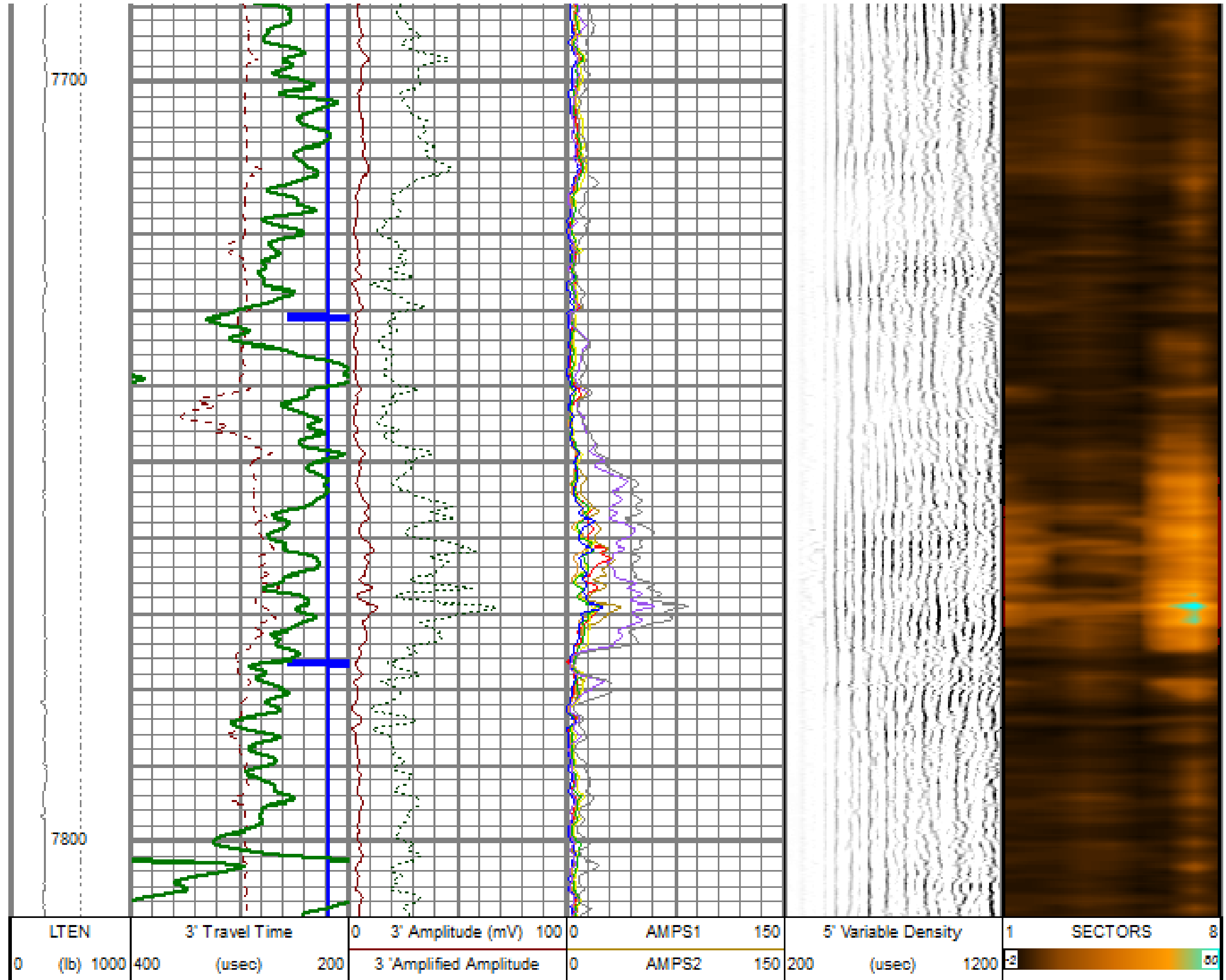
# REPEAT SECTION

Database File 90644_highpoint_foxcreek_rcbl.db
Dataset Pathname pass6
Presentation Format rbl_all_8_2020
Dataset Creation Tue Jan 07 16:25:44 2020
Charted by Depth in Feet scaled 1:240

| LTEN | 3' Travel Time | 3' Amplitude (mV) | AMPS1 | 5' Variable Density | SECTORS |
|---|---|---|---|---|---|
| 0 (lb) 1000 | 400 (usec) 200 | 0 100 | 0 150 | 200 (usec) 1200 | 1 8 |
| LSPD | Casing Collar Locator | 3 'Amplified Amplitude | AMPS2 0 150 | -409.6 (V) 409.4 | -2 50 |
| (ft/min) | 0 Gamma Ray (GAPI) 200 | 0 (mV) 20 | AMPS3 0 150 | | |
| 500 -500 | | | AMPS4 0 150 | | |
| | | | AMPS5 0 150 | | |
| | | | AMPS6 0 150 | | |
| | | | AMPS7 0 150 | | |
| | | | AMPS8 0 150 | | |



| LTEN | 3' Travel Time | 3' Amplitude (mV) | AMPS1 | 5' Variable Density | SECTORS |
|---|---|---|---|---|---|
| 0 (lb) 1000 | 400 (usec) 200 | 0 100 | 0 150 | 200 (usec) 1200 | 1 8 |
| LSPD | Casing Collar Locator | 3 'Amplified Amplitude | AMPS2 0 150 | -409.6 (V) 409.4 | -2 50 |
| (ft/min) | 0 Gamma Ray (GAPI) 200 | 0 (mV) 20 | AMPS3 0 150 | | |
| 500 -500 | | | AMPS4 0 150 | | |
| | | | AMPS5 0 150 | | |
| | | | AMPS6 0 150 | | |
| | | | AMPS7 0 150 | | |
| | | | AMPS8 0 150 | | |