SureFire WIRELINE WEST LLC.

# RADIAL BOND
# GAMMA RAY
# COLLAR LOG

Company CRESTONE PEAK RESOURCES
Well LONE TREE 4-65 15-16 3CH
Field WATTENBERG
County ARAPAHOE
State COLORADO Country USA

| | |
|---|---|
| Company | CRESTONE PEAK RESOURCES |
| Well | LONE TREE 4-65 15-16 3CH |
| Field | WATTENBERG |
| County | ARAPAHOE |
| State | COLORADO |
| Country | USA |

Location: API # : 05-005-07501

SENE

SEC 15 TWP 4S RGE 65W

Other Services

| | | | |
|---|---|---|---|
| Permanent Datum | GROUND LEVEL | Elevation | 5693 |
| Log Measured From | KELLY BUSHING | | |
| Drilling Measured From | KELLY BUSHING | | |

Elevation
K.B. 5718
D.F.
G.L. 5693

| | | | |
|---|---|---|---|
| Date | 01-DEC-2022 | | |
| Run Number | ONE | | |
| Depth Driller | 18481 | | |
| Depth Logger | 8300 | | |
| Bottom Logged Interval | 8296 | | |
| Top Log Interval | SURFACE | | |
| Open Hole Size | 8 1/2 | | |
| Type Fluid | WATER | | |
| Density / Viscosity | --- | | |
| Max. Recorded Temp. | 250 F | | |
| Estimated Cement Top | SURFACE | | |
| Time Well Ready | ROA | | |
| Time Logger on Bottom | 1545 | | |
| Equipment Number | 803 | | |
| Location | KERSEY | | |
| Recorded By | JIM McKIE | | |
| Witnessed By | MR. MANNY PARRAS | | |

| 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 | SURFACE | 3306 |
| Prot. String | | | | |
| Production String | 5 1/2 | 17 | SURFACE | TOTAL DEPTH |
| Liner | | | | |

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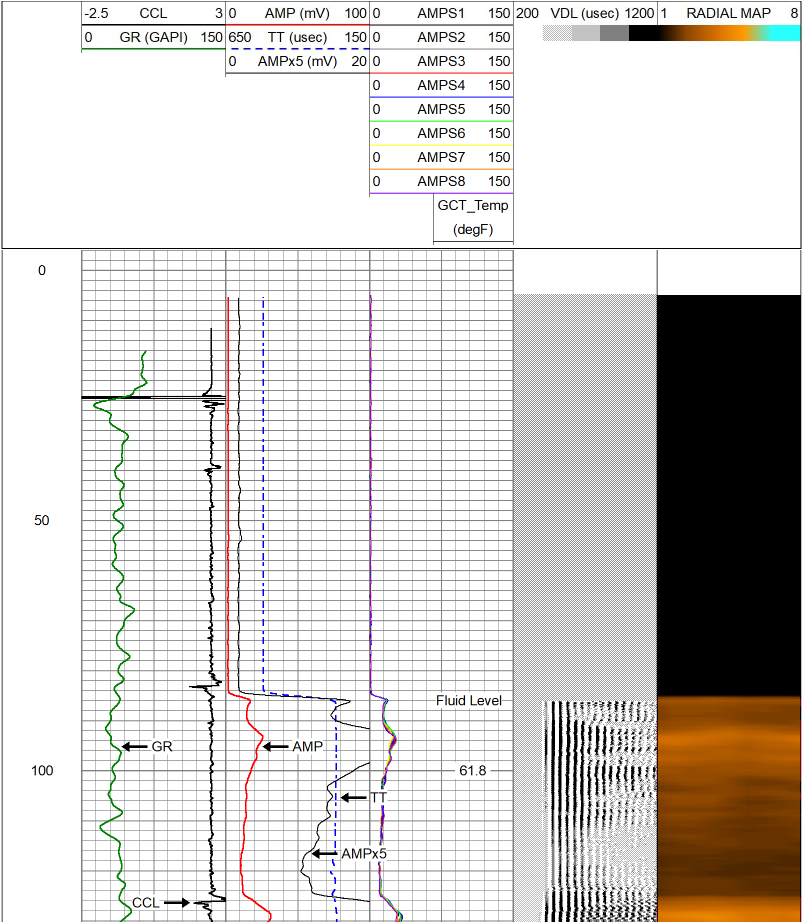
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 Schedule.

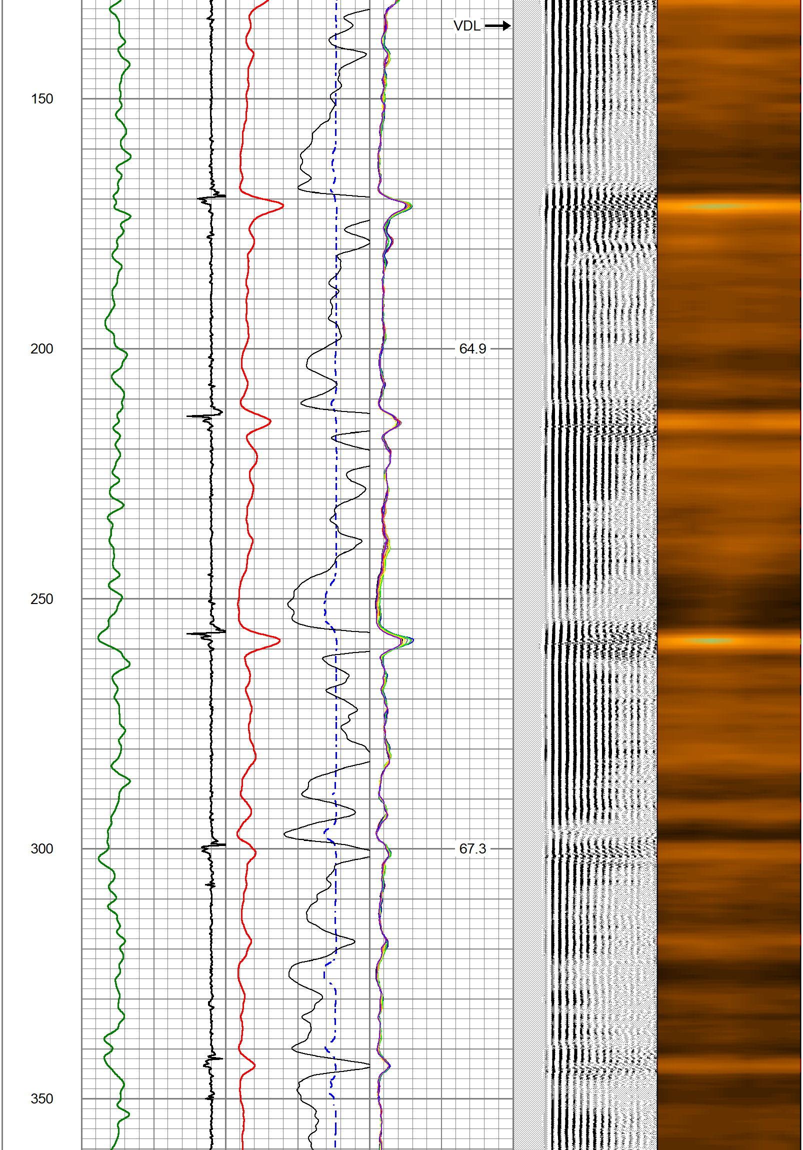
## Comments

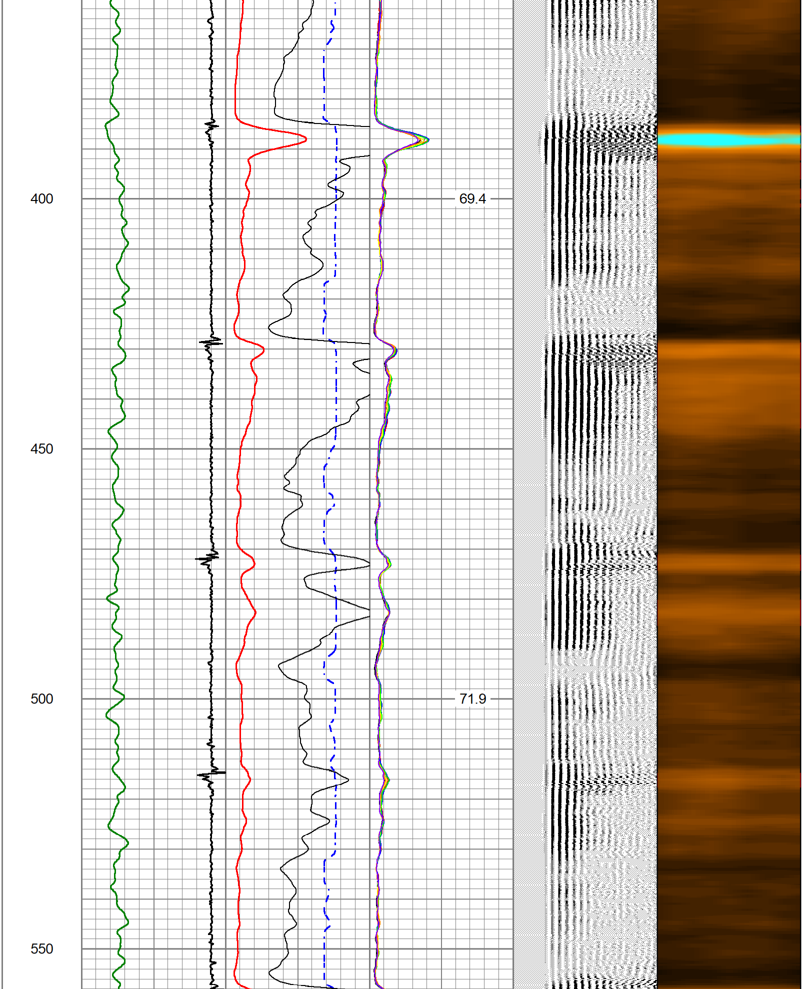
LOG RECORDED USING 25' KB

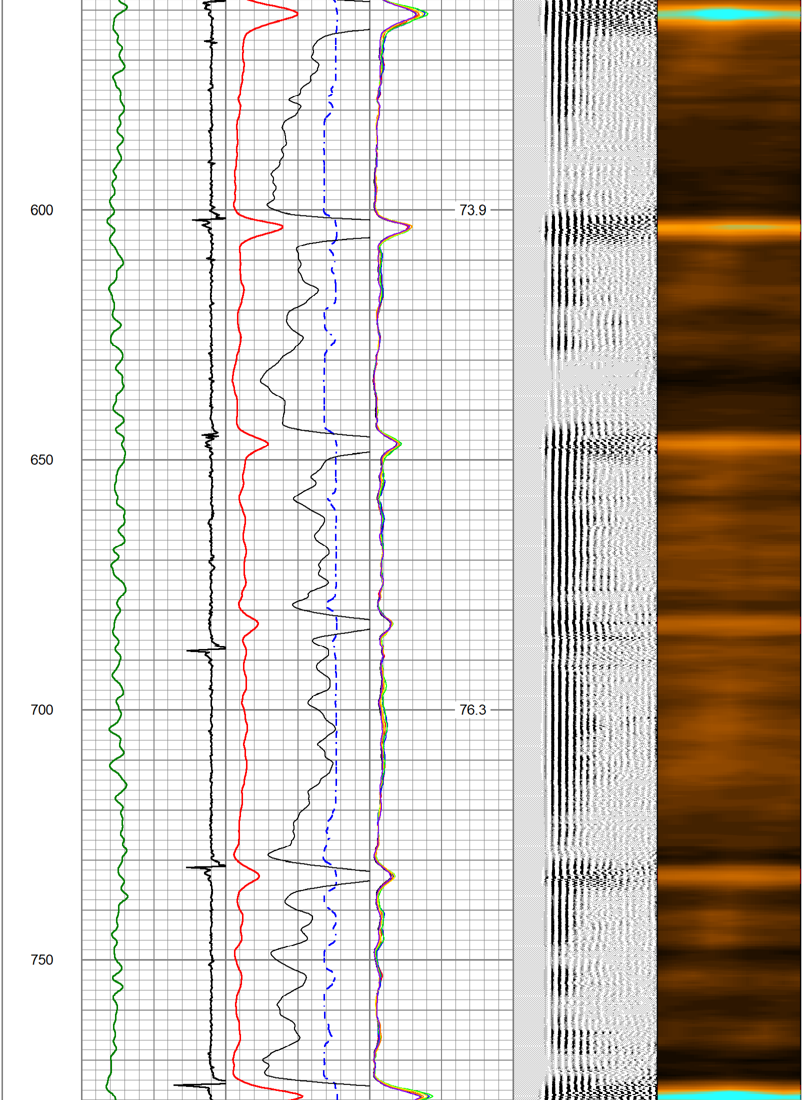
LOCATION:
N-00000000X00000-S
X= LONE TREE 4-65 15-16 3CH

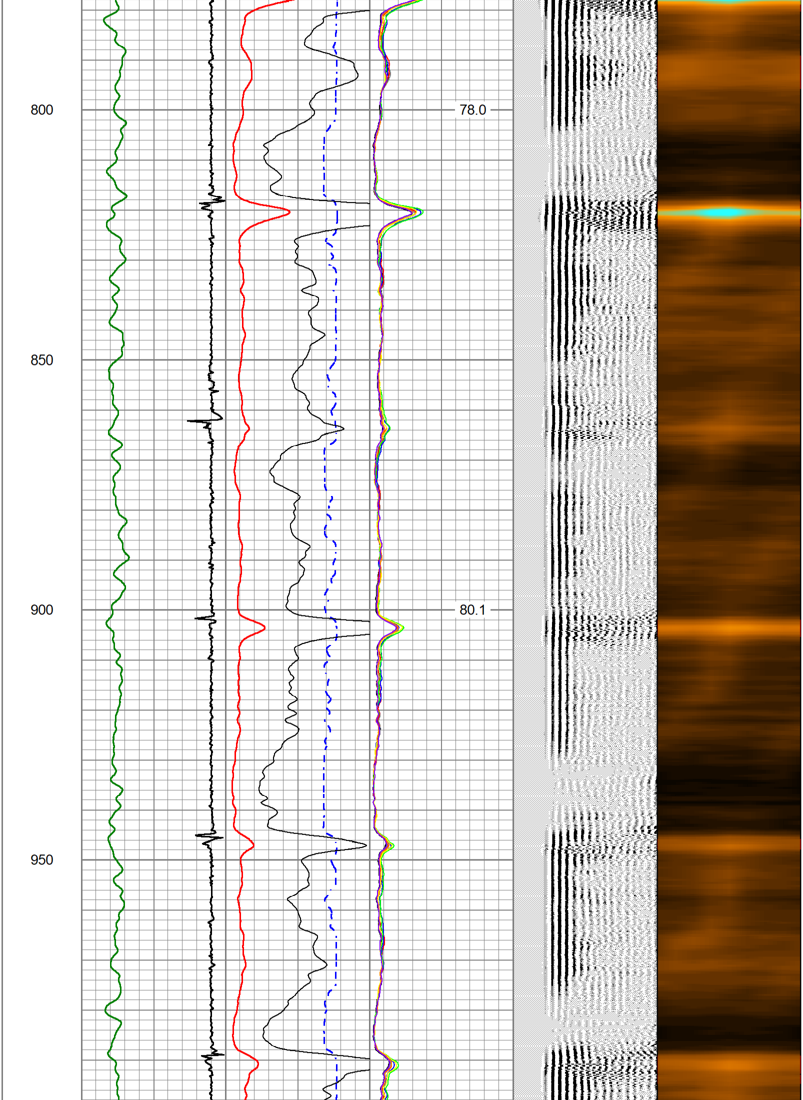
| | |
|---|---|
| Database File | civitas lone tree 4-65 15-16 3ch.db |
| Dataset Pathname | pass3 |
| Presentation Format | sfww_cbl_oasis-sectors (2) |
| Dataset Creation | Thu Dec 01 15:57:29 2022 |
| Charted by | Depth in Feet scaled 1:240 |

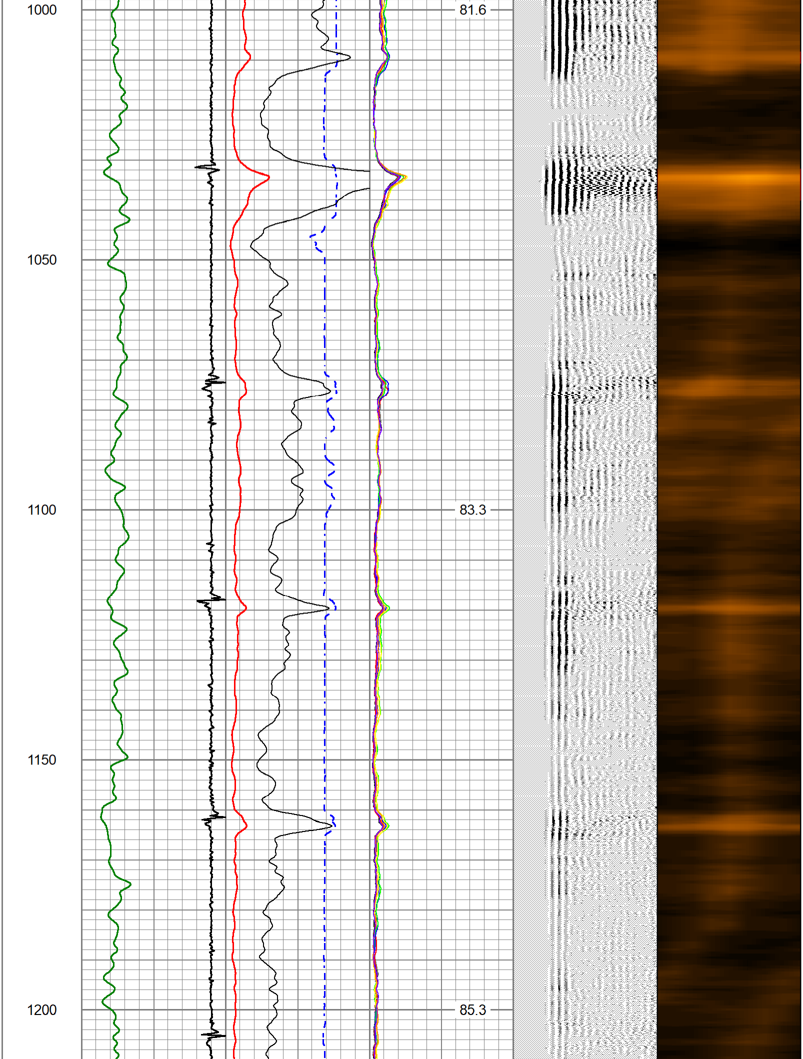


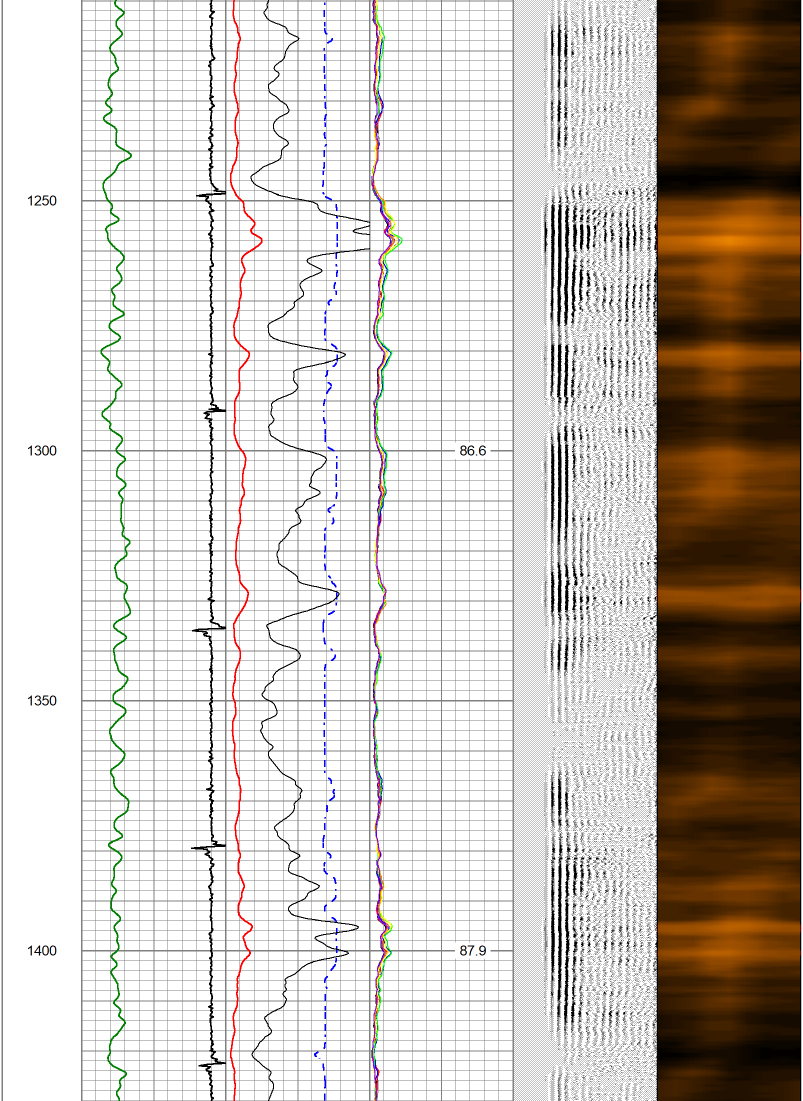


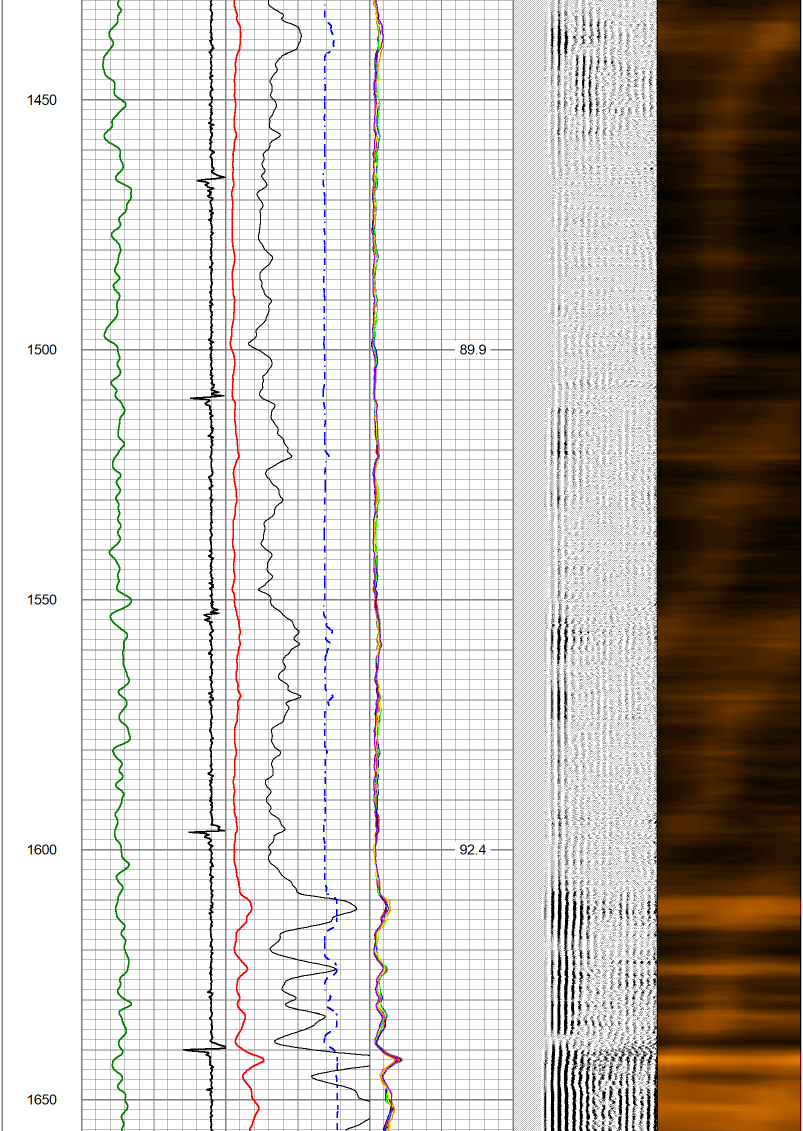


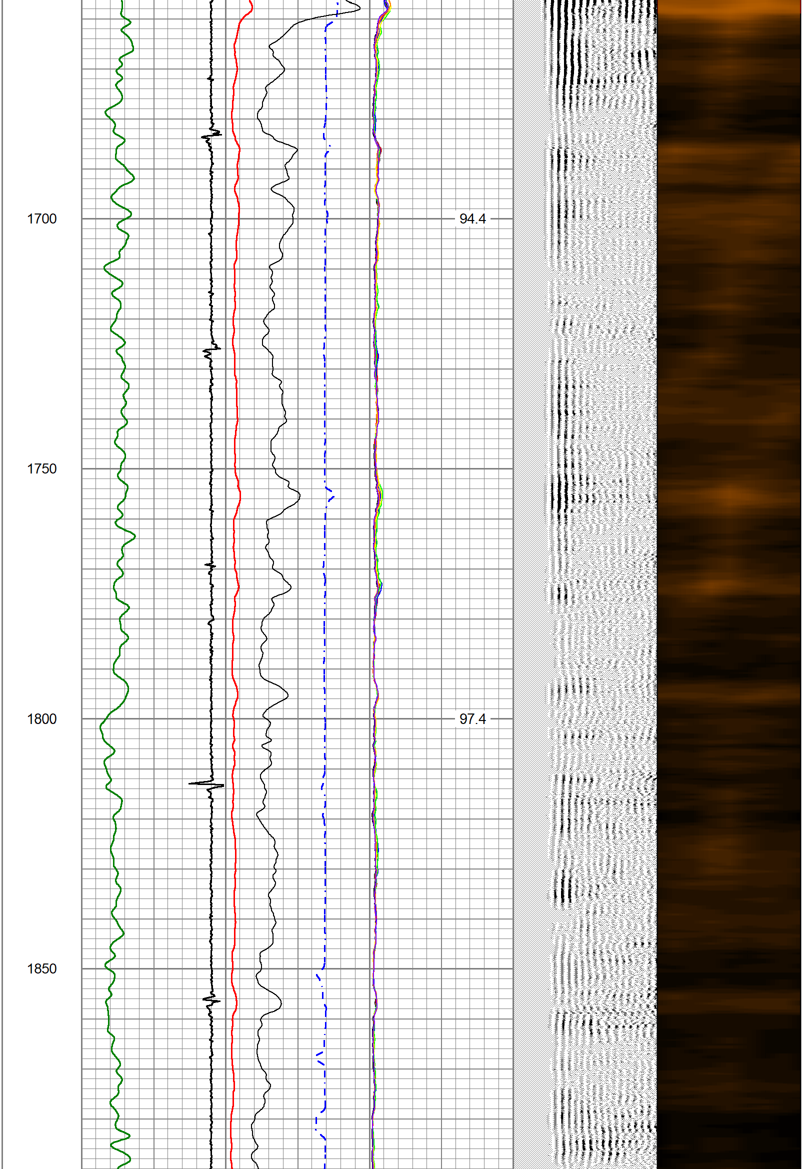


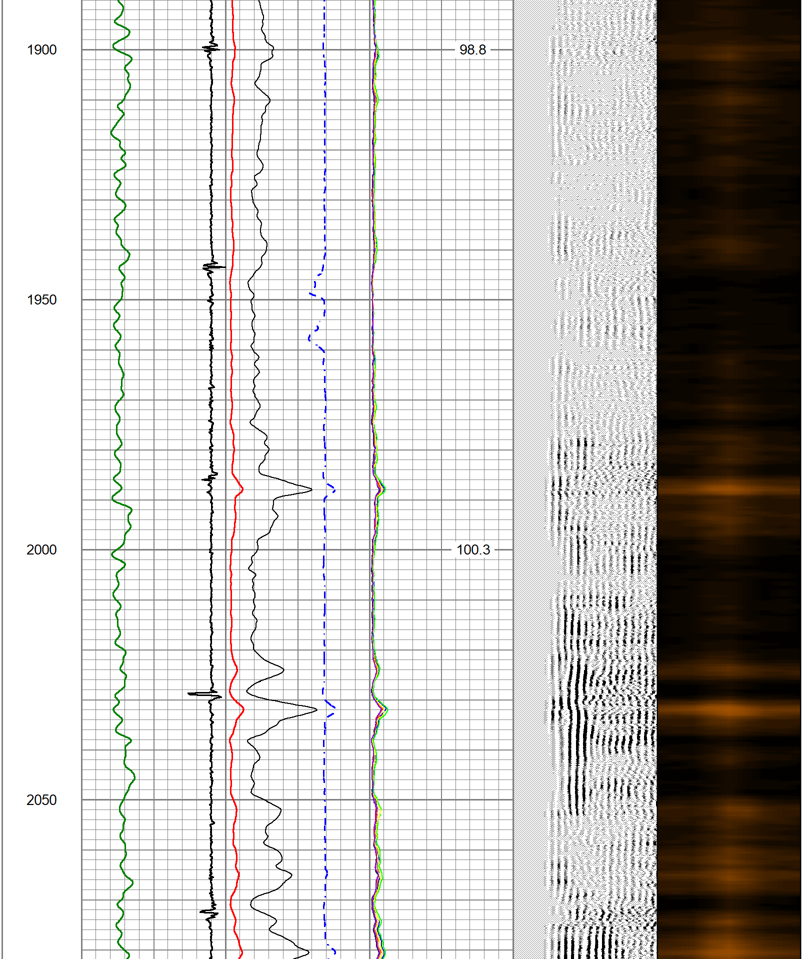


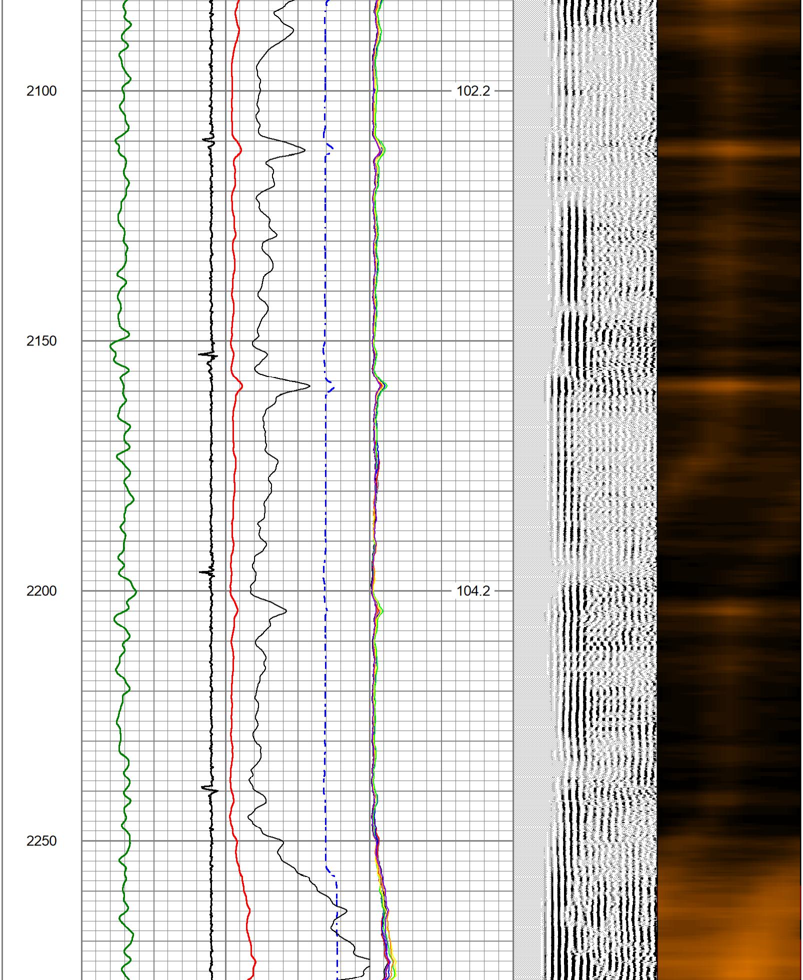


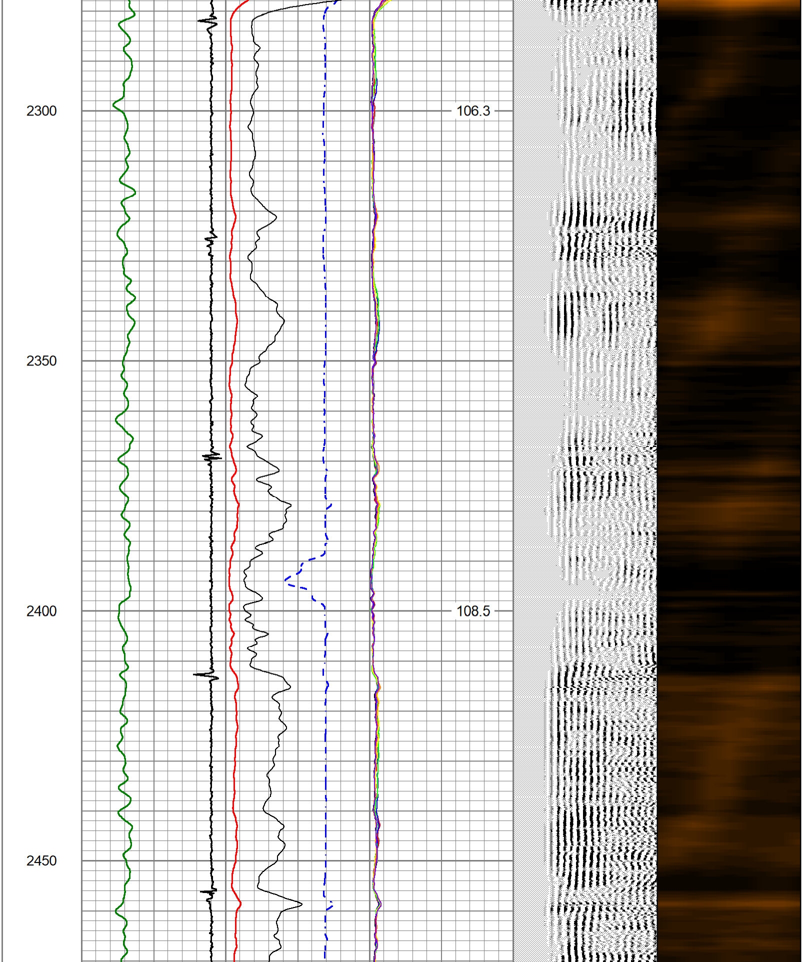


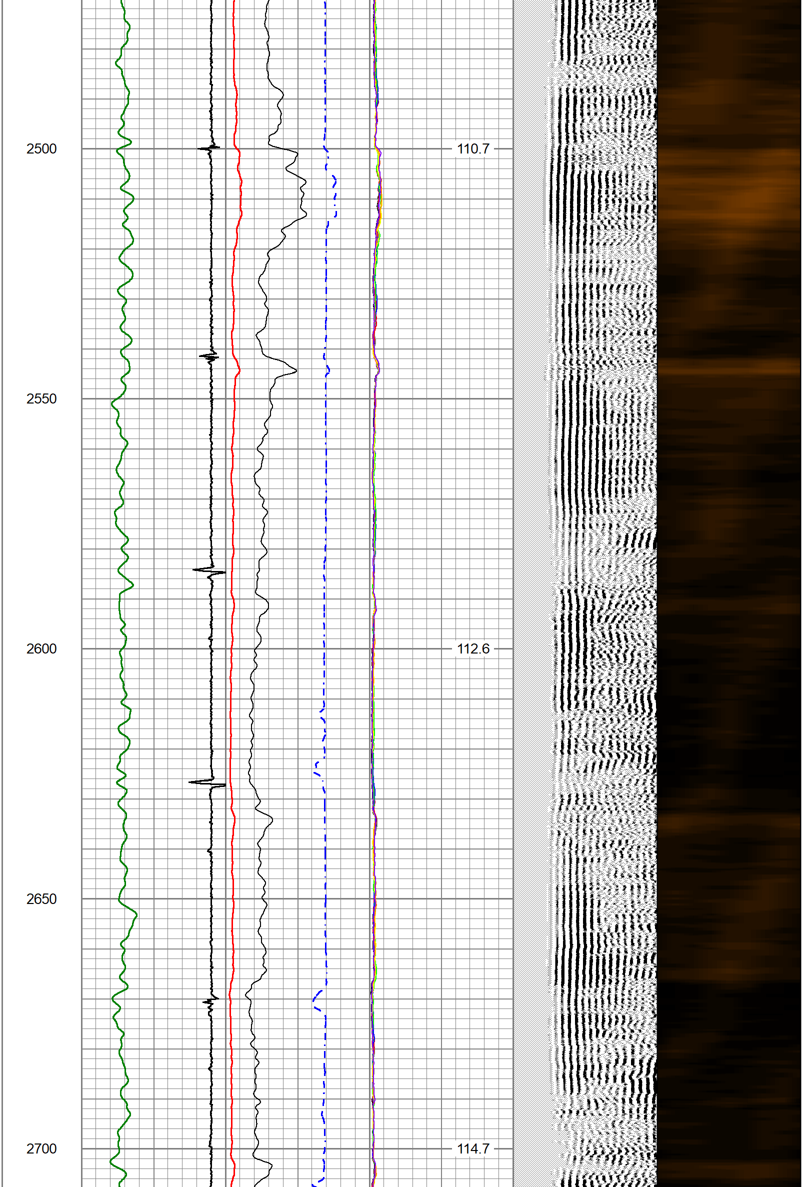


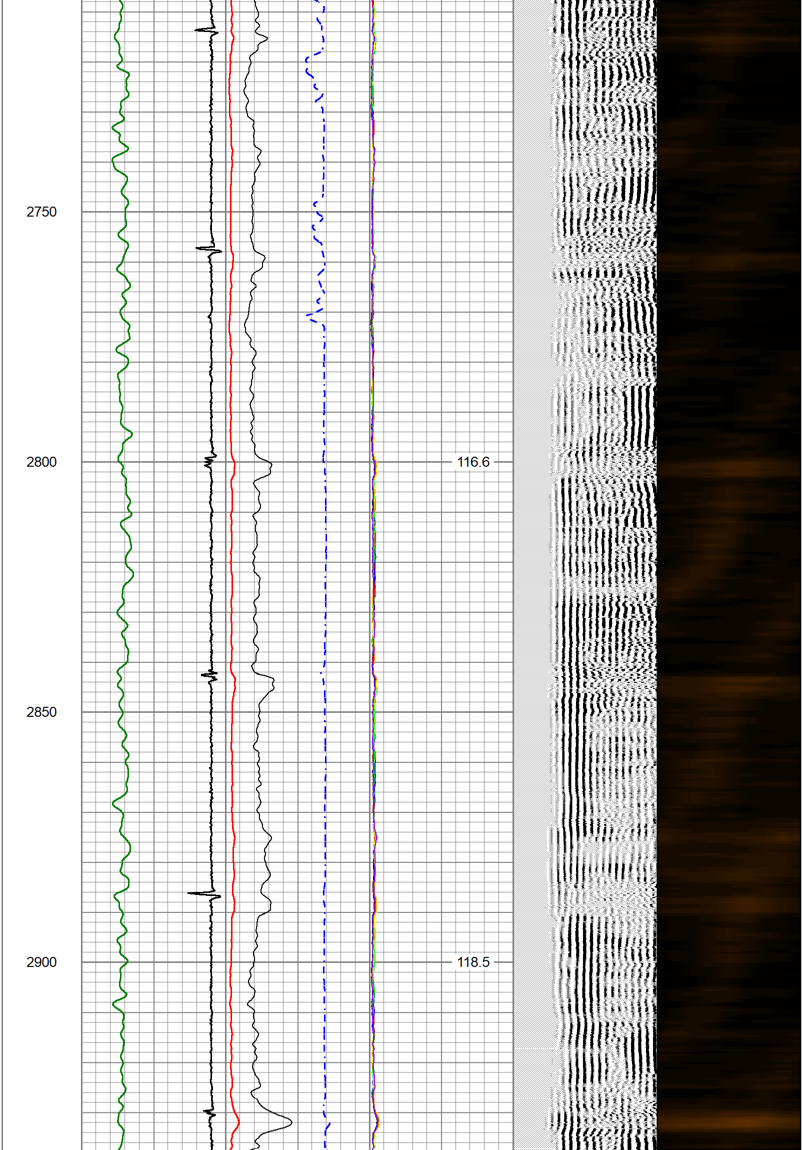


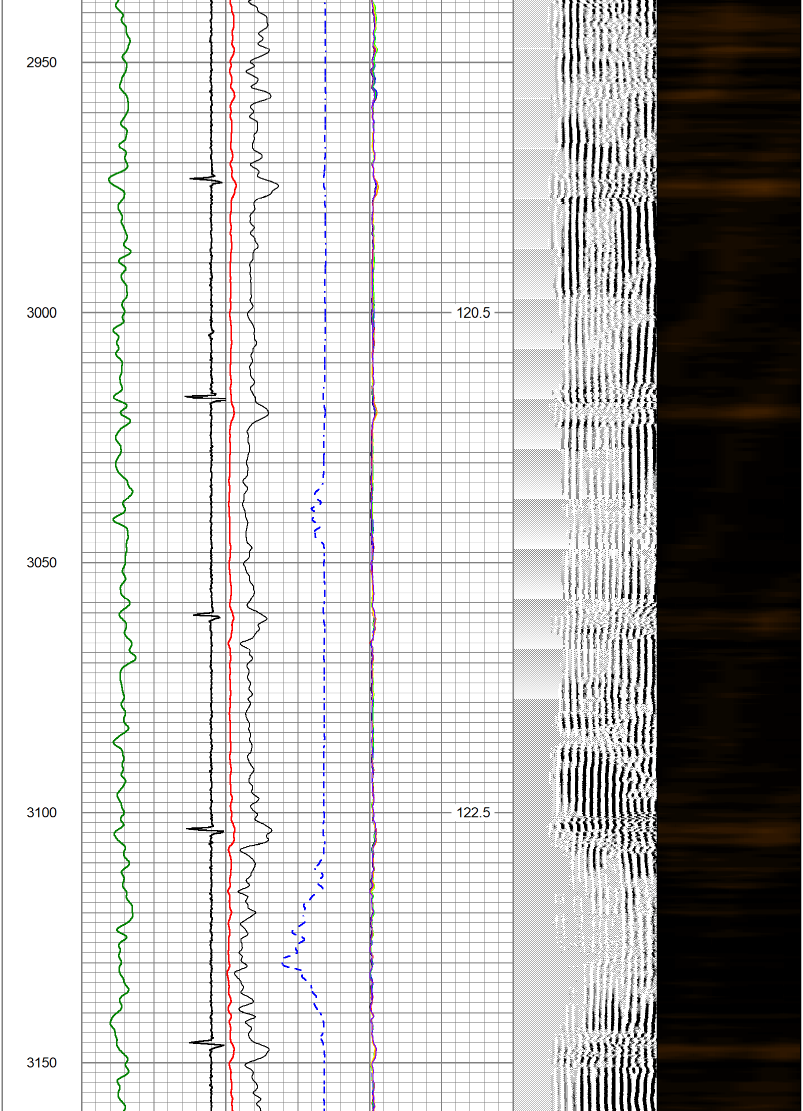


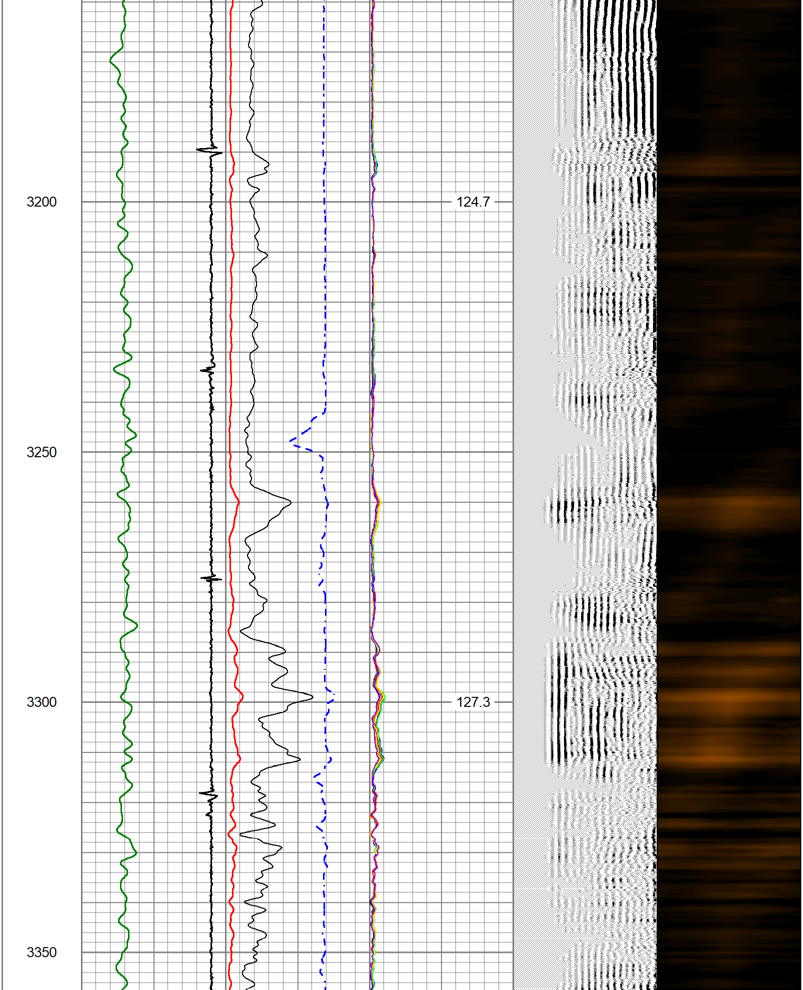


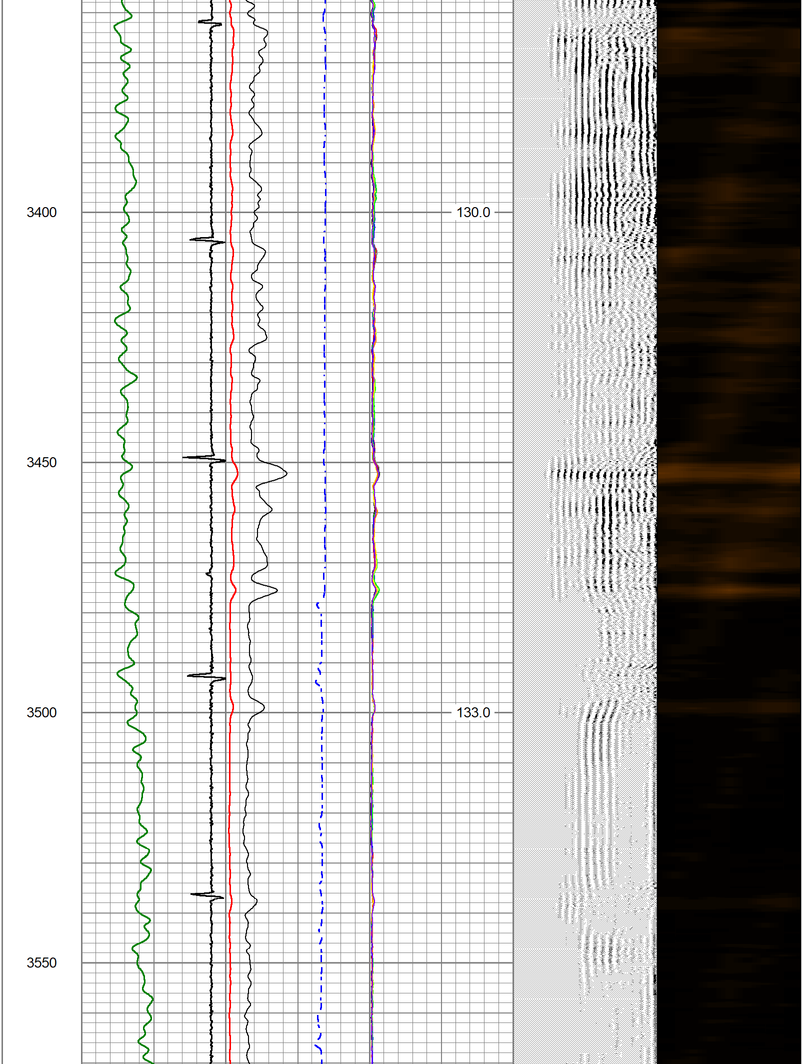


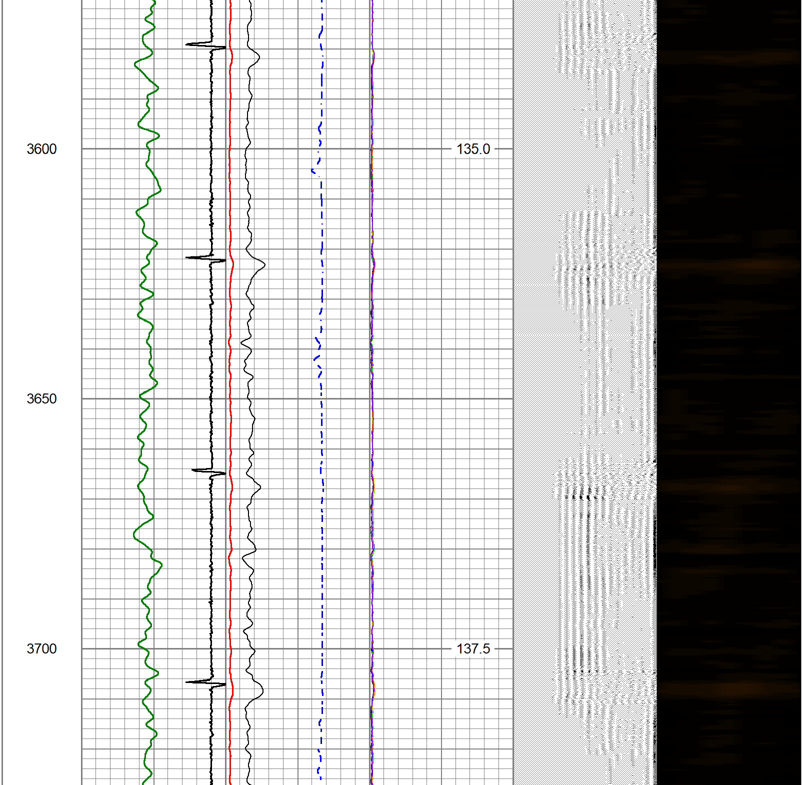


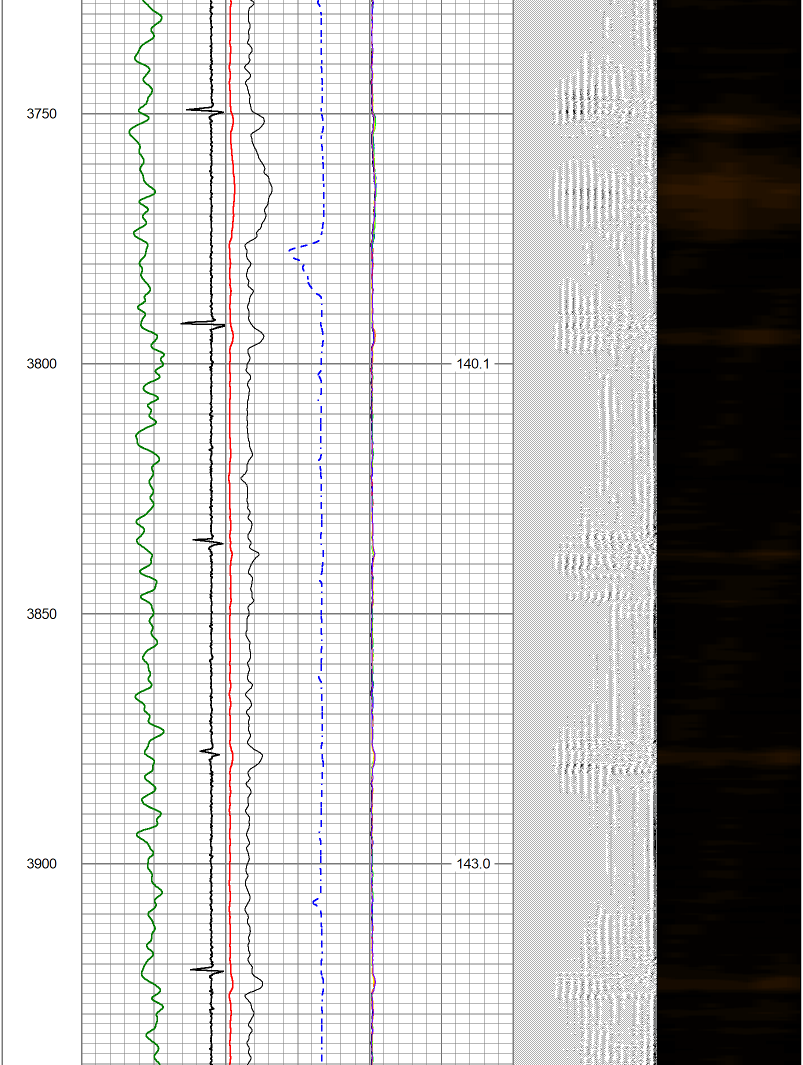








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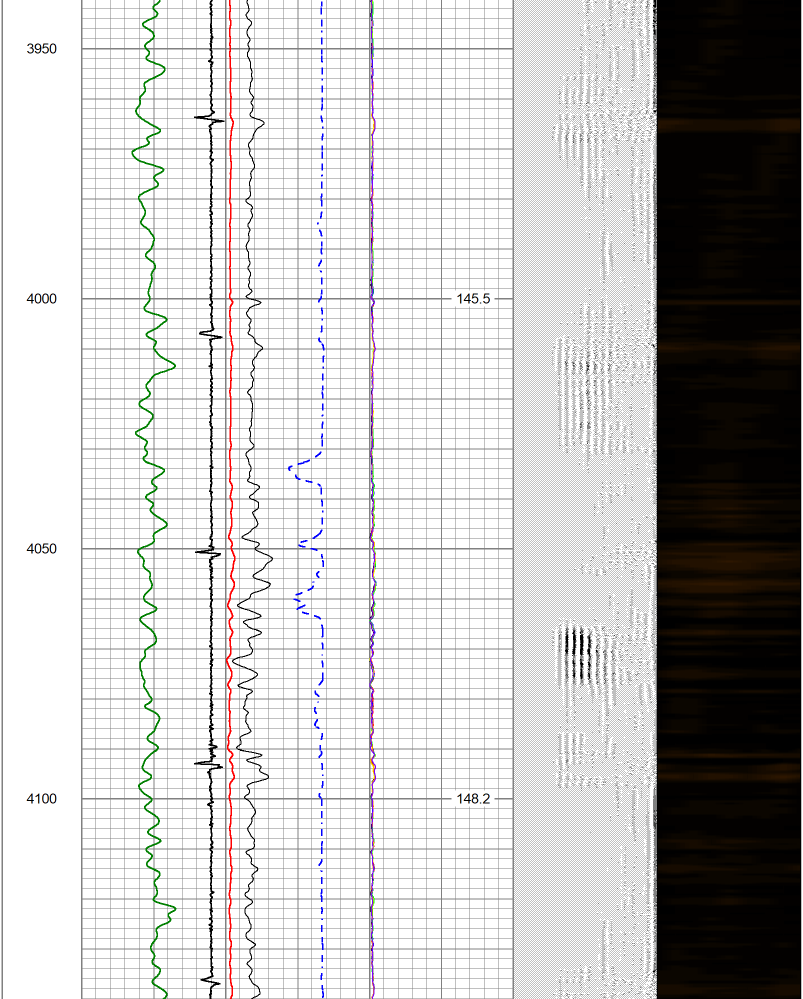
3850
3900
143.0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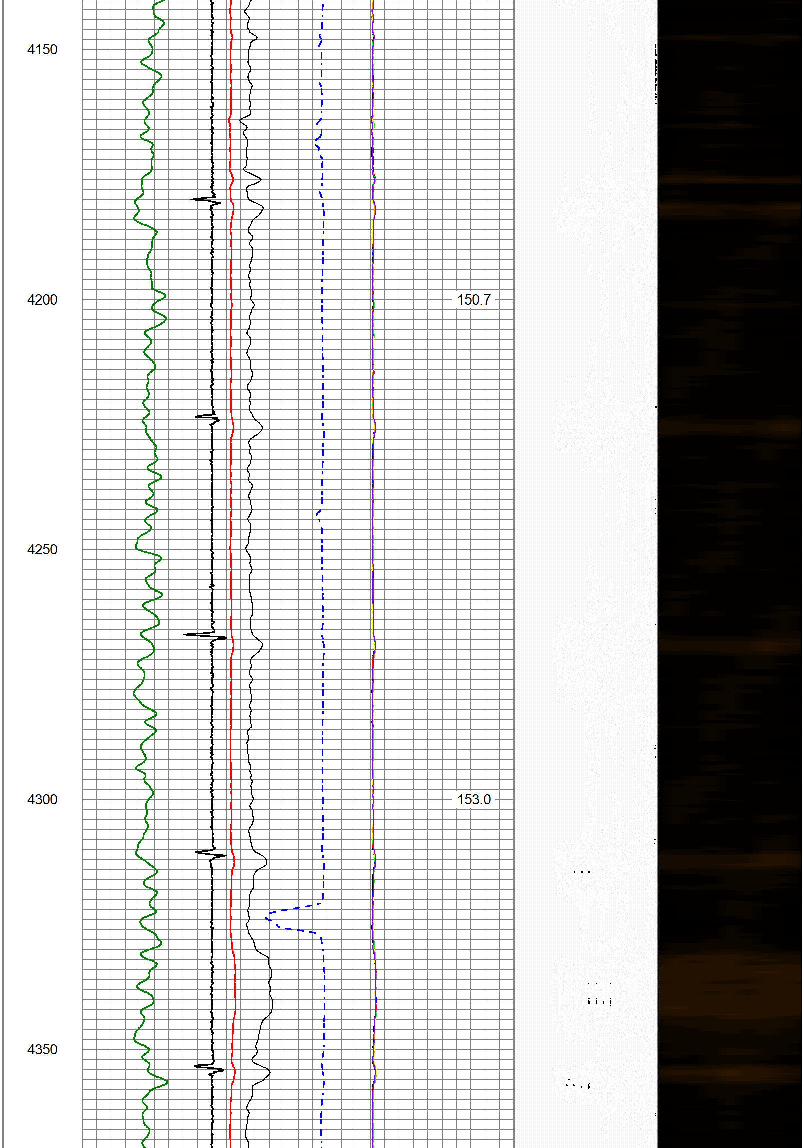
4050
4100
148.2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4200
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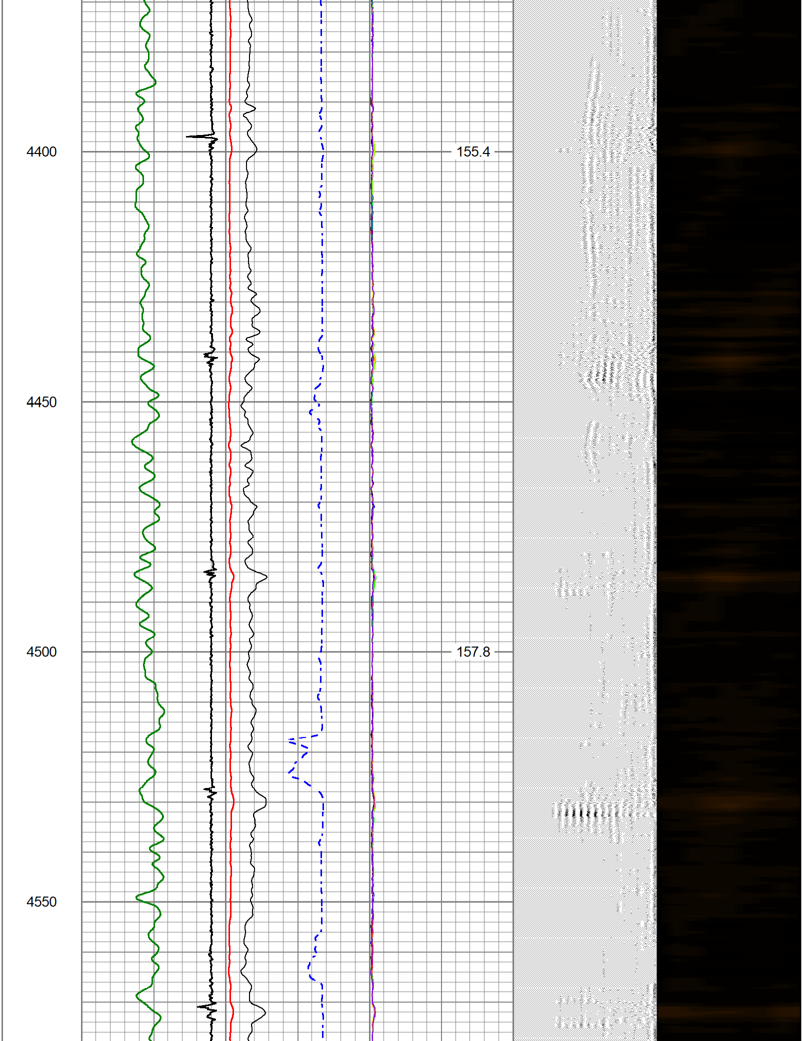
4300
153.0
4350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4500
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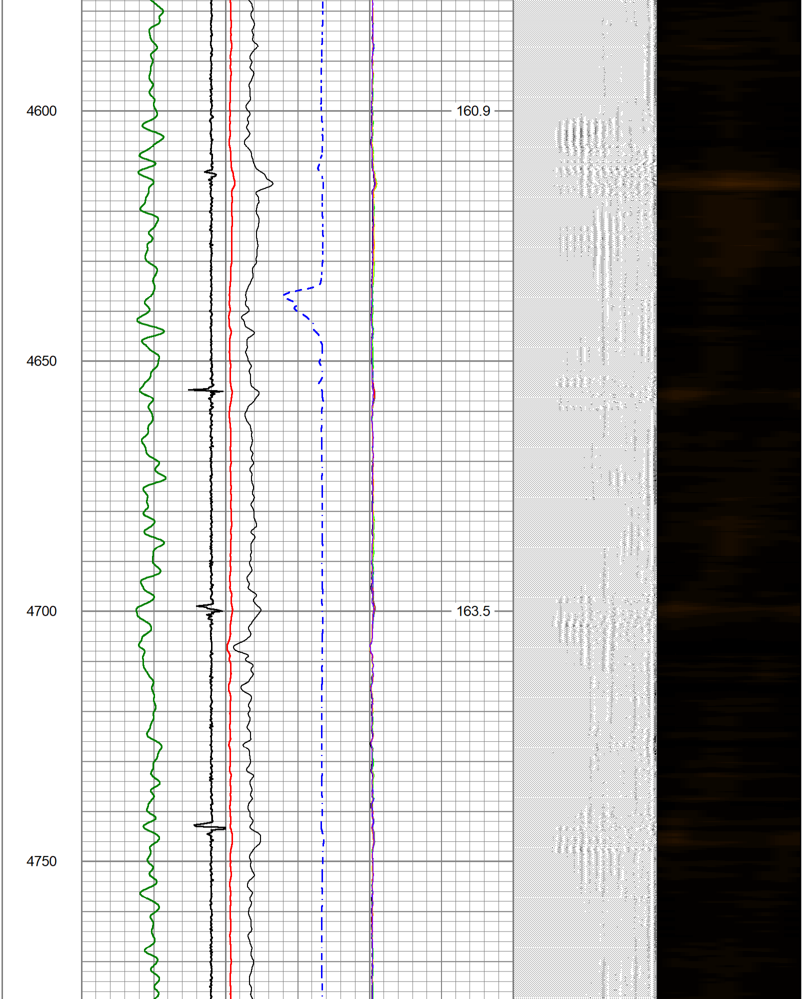
4550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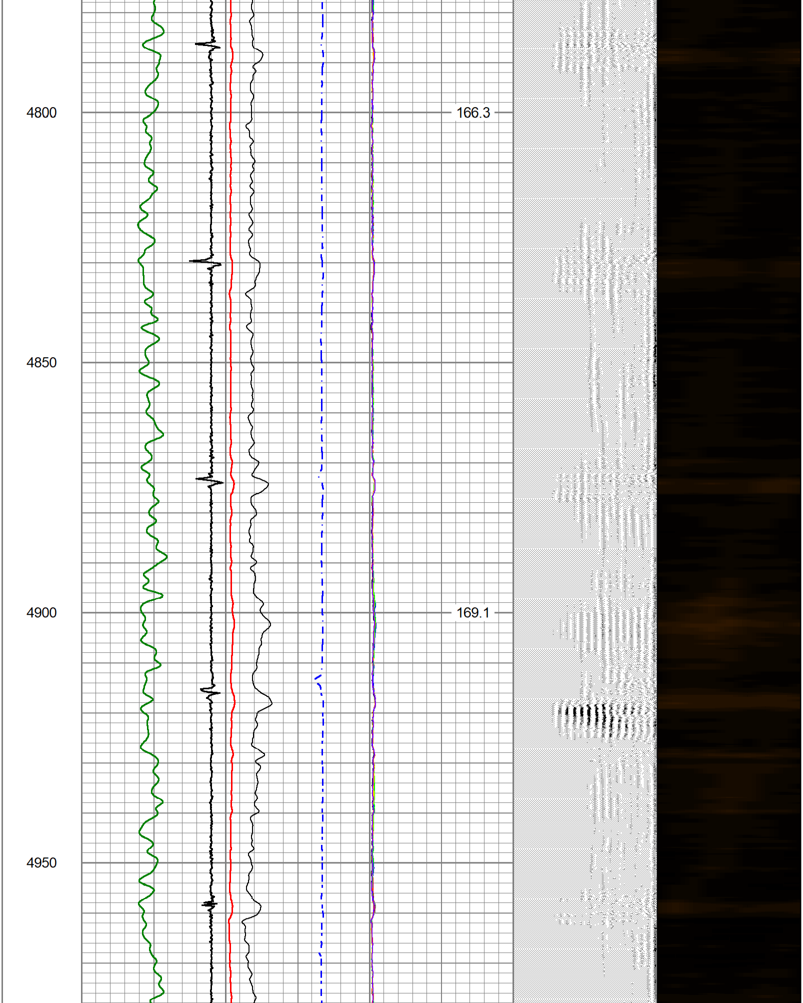
4750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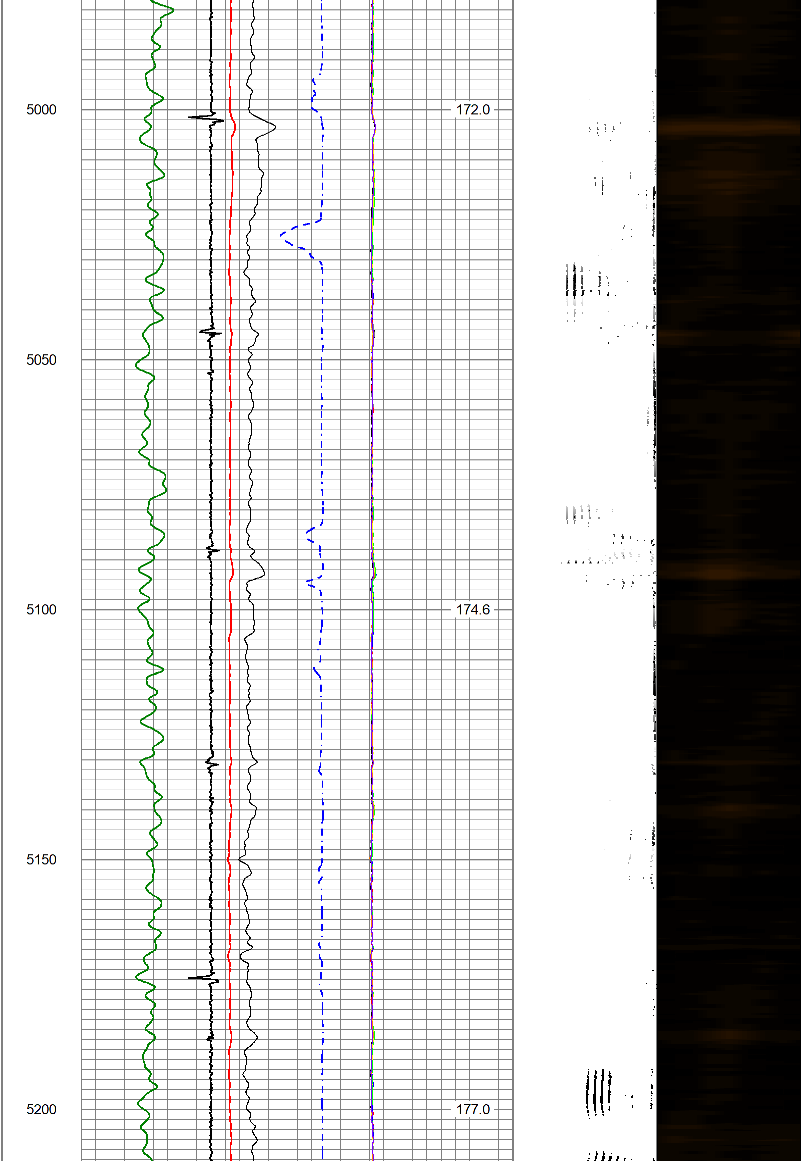
4950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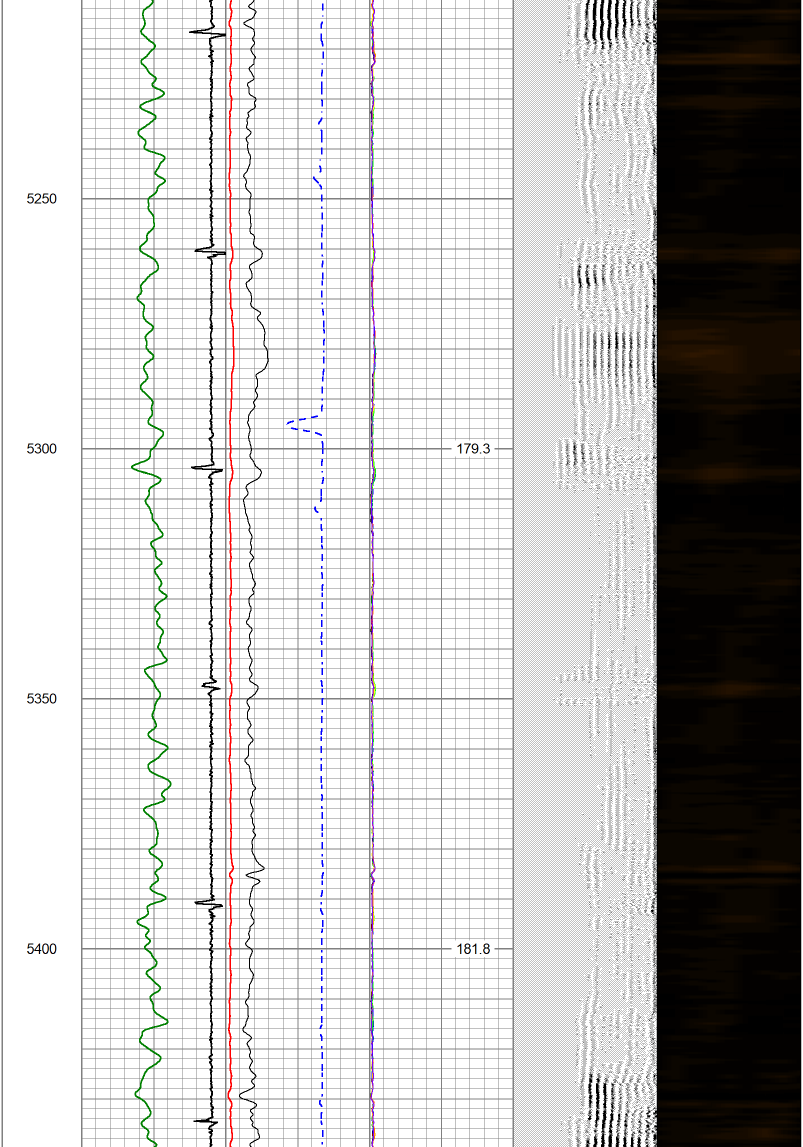
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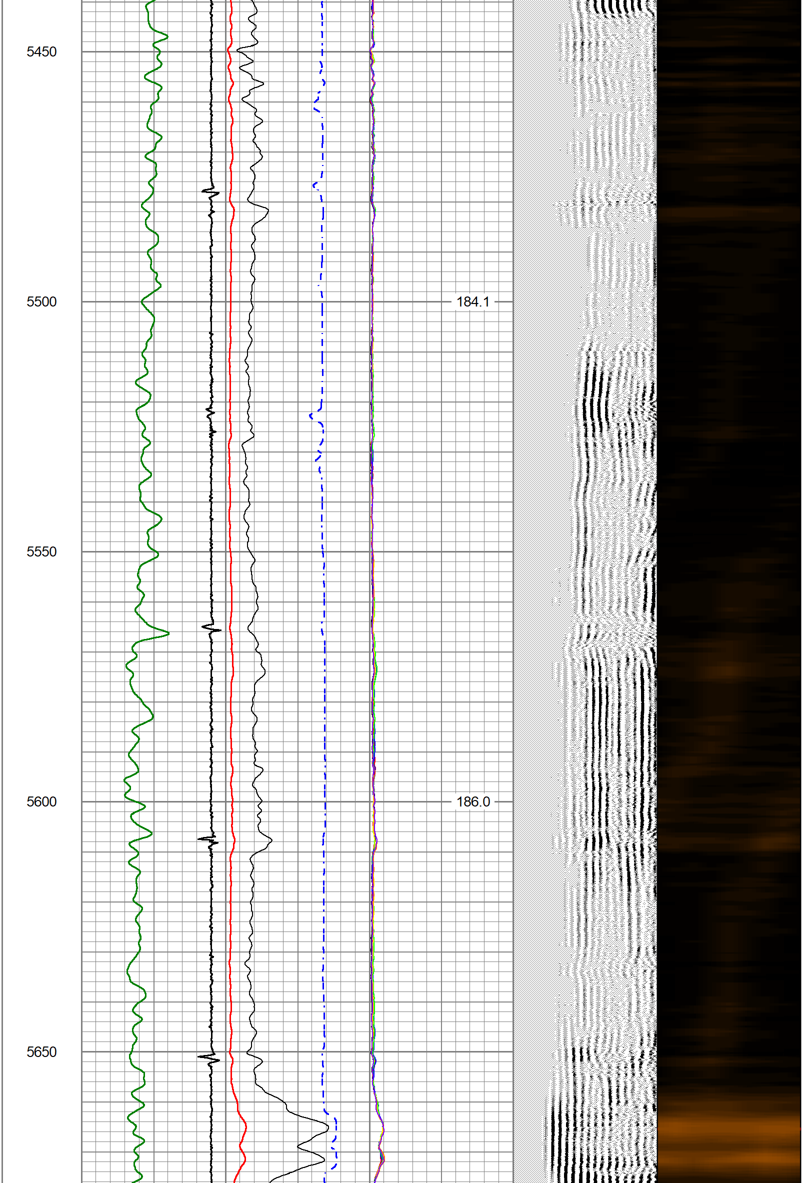
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5600
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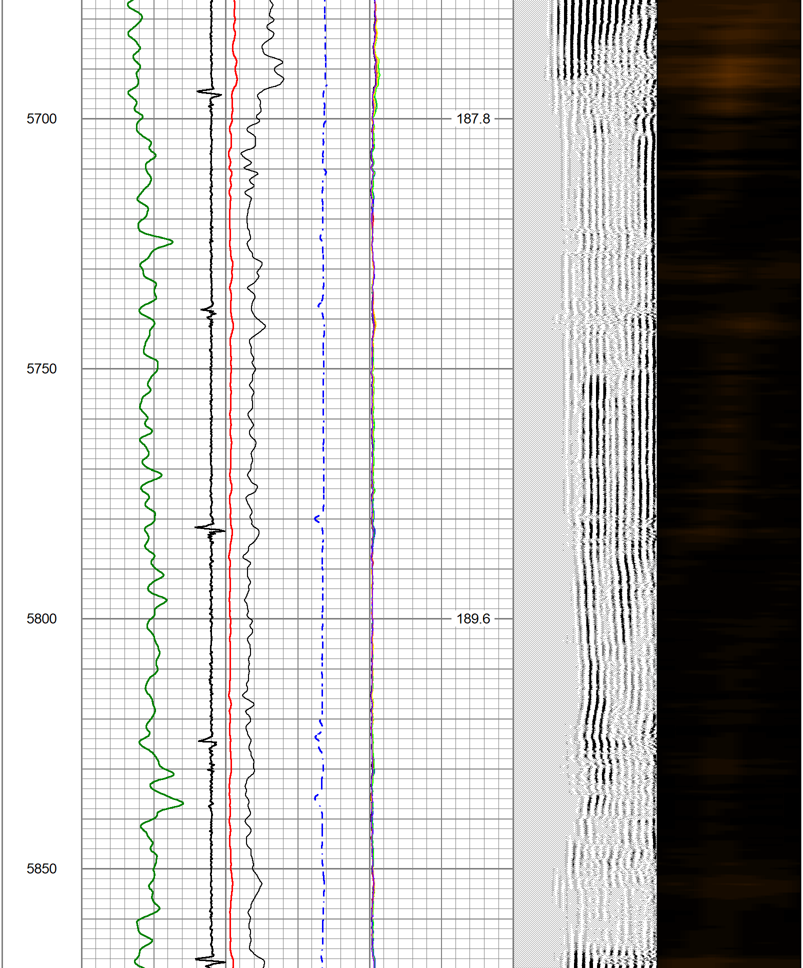
5650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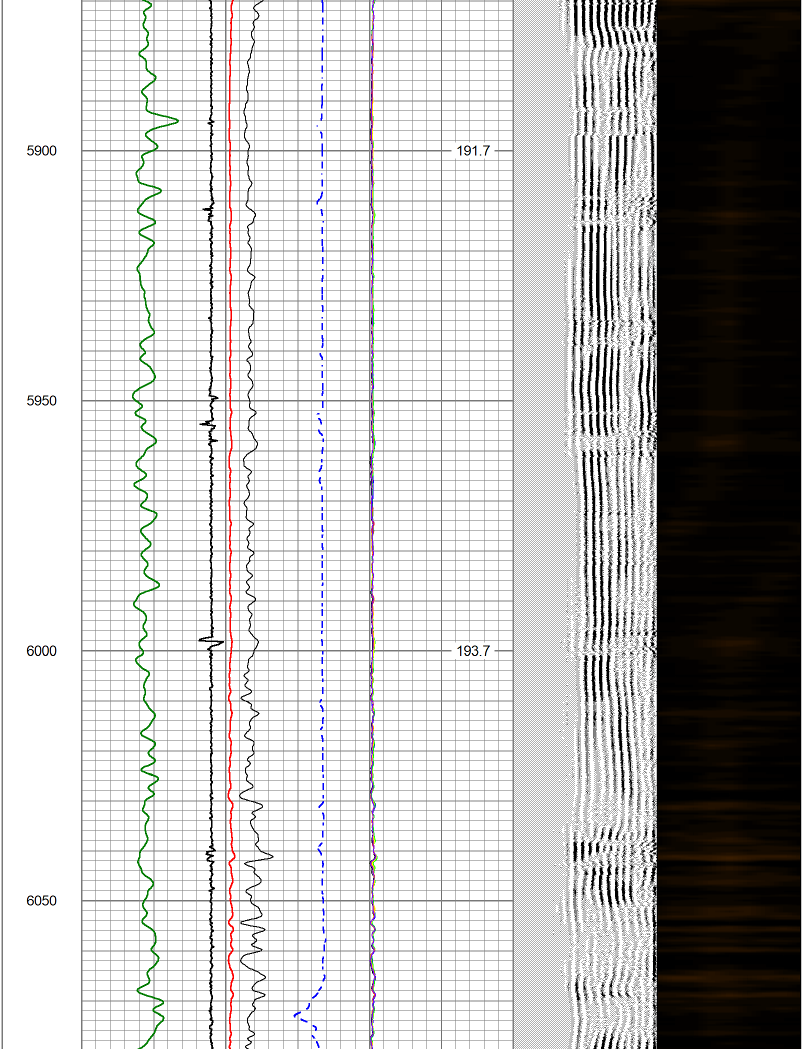
5800
189.6
5850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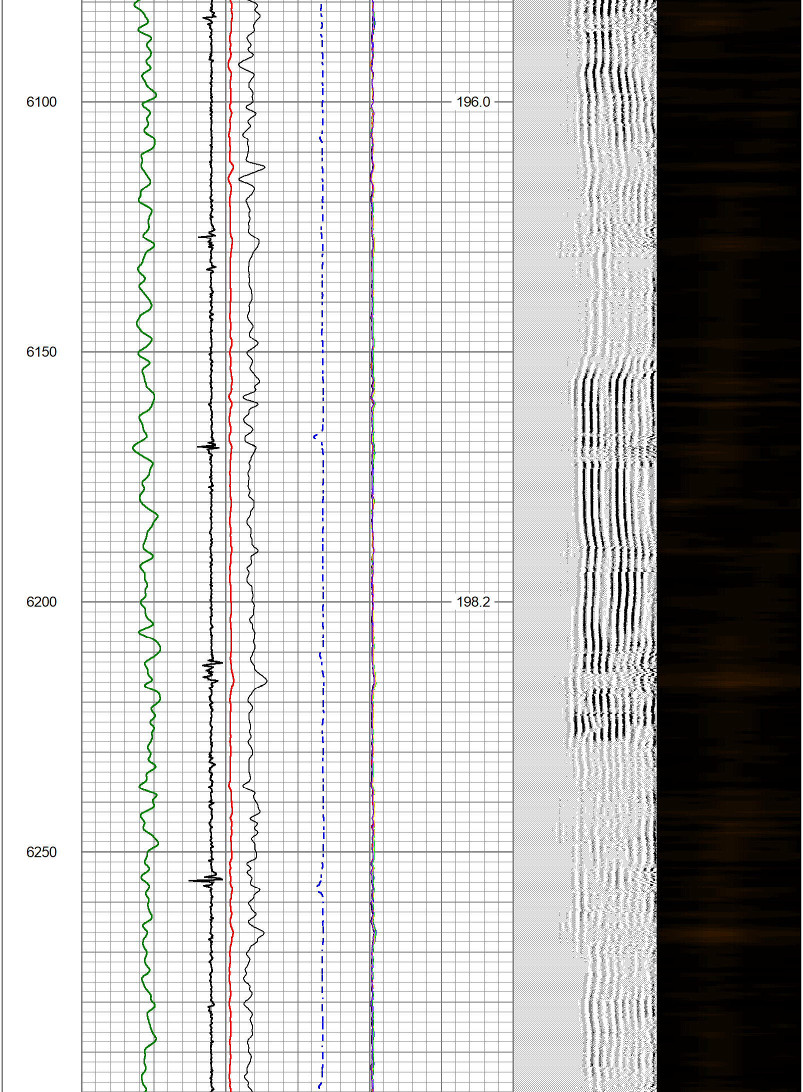
6050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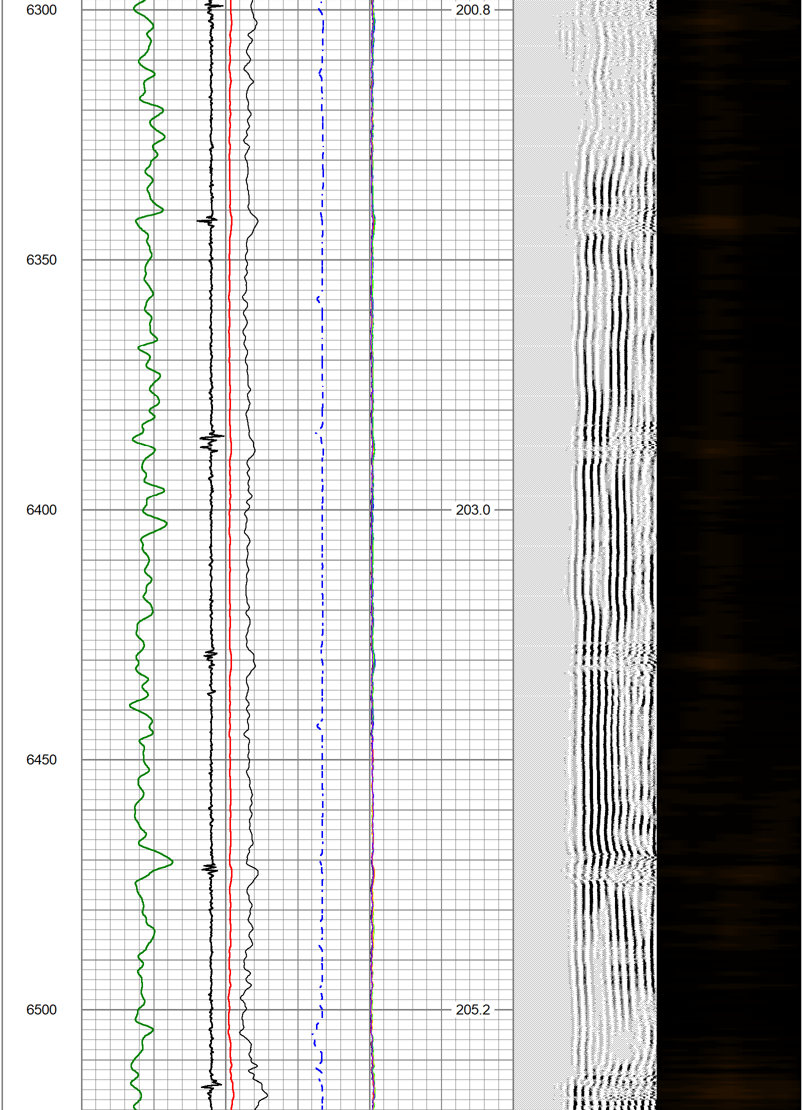
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6400
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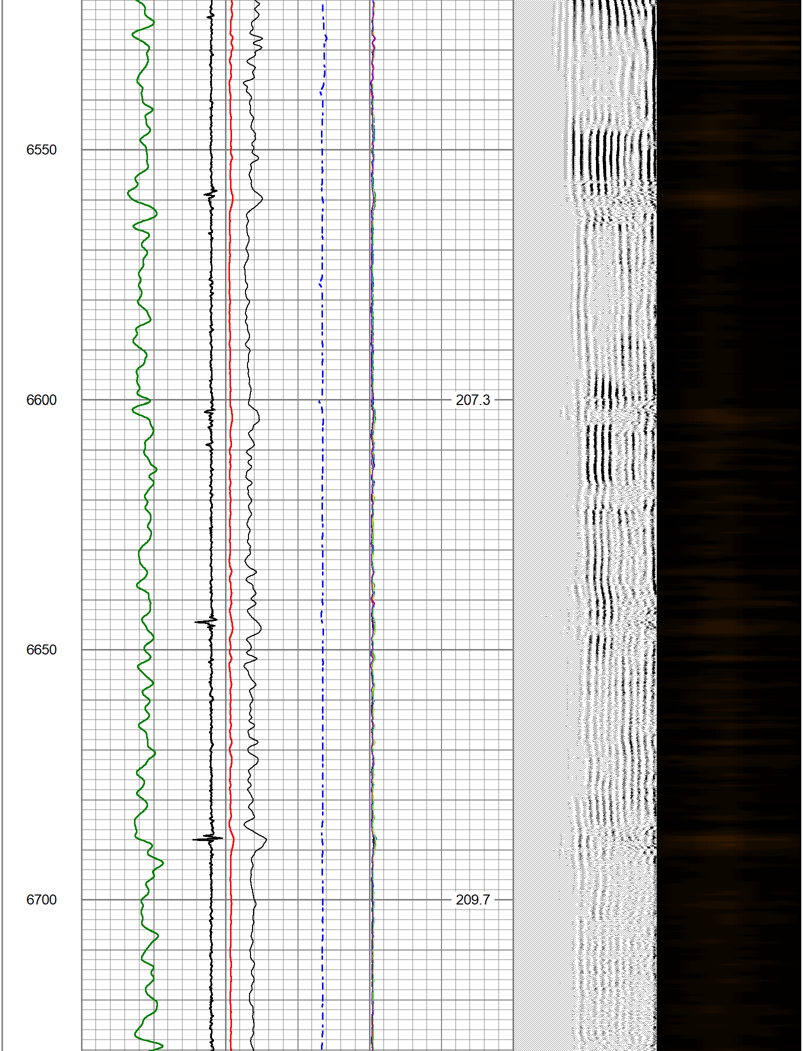
6450
6500
205.2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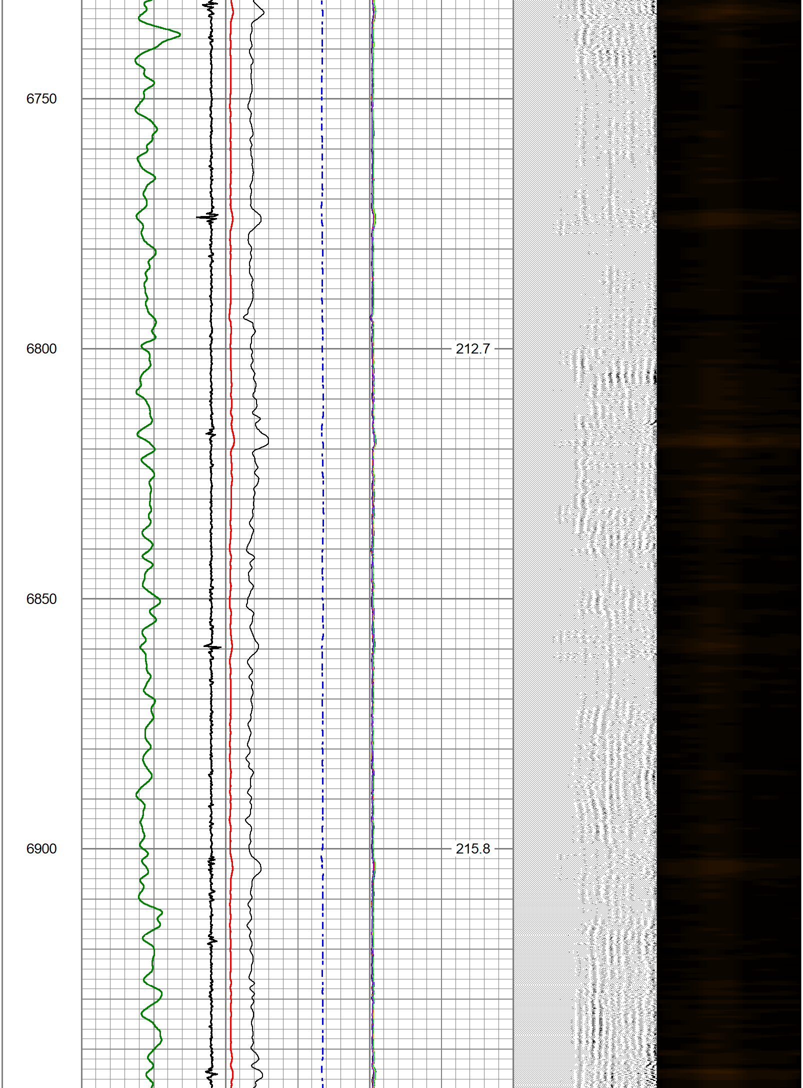
6600
207.3
6650
6700
209.7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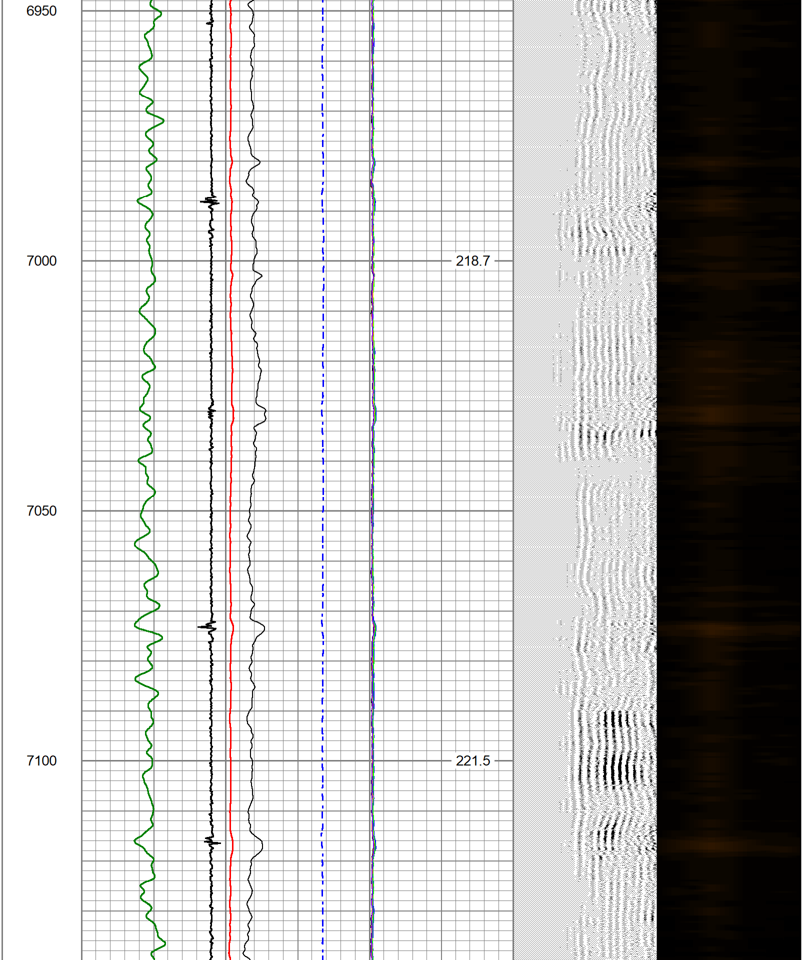
6800
212.7
6850
6900
215.8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7050
7100
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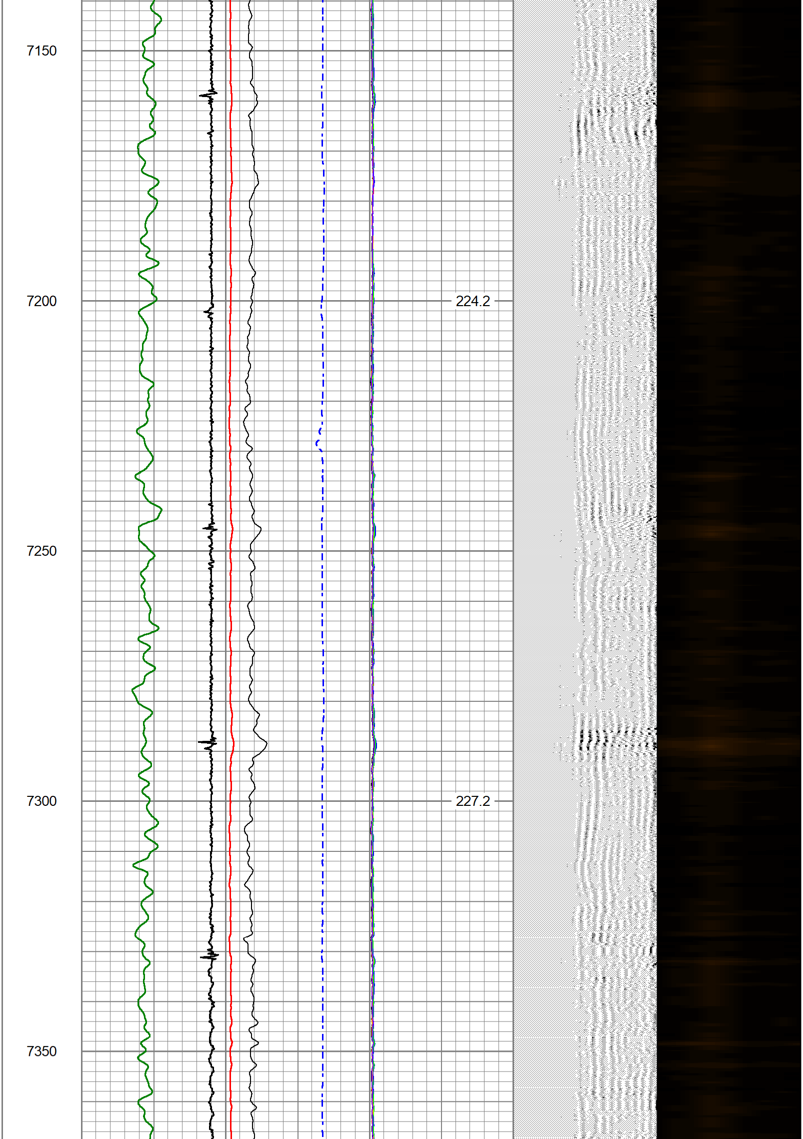
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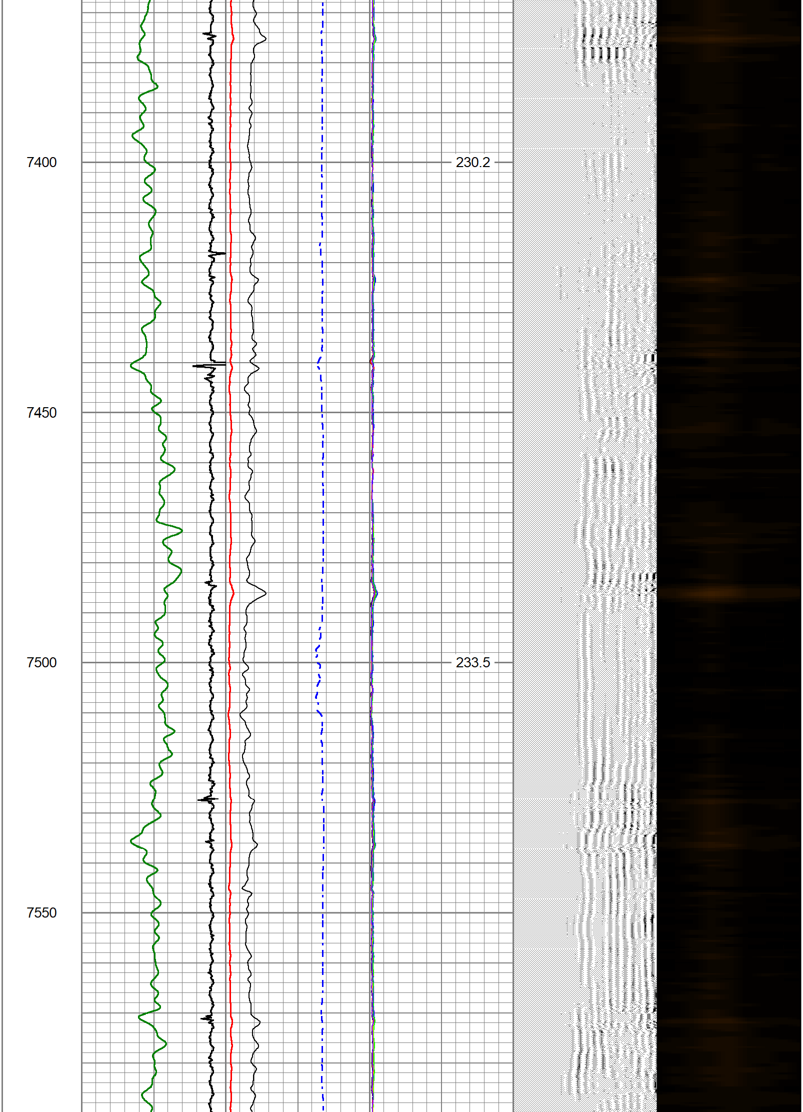
7250
7300
227.2
7350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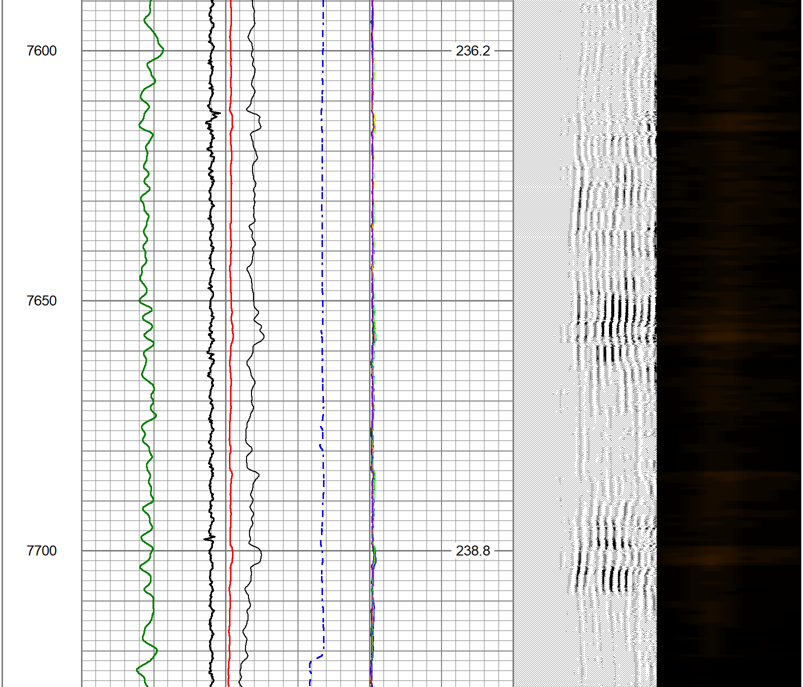
7450
7500
233.5
7550

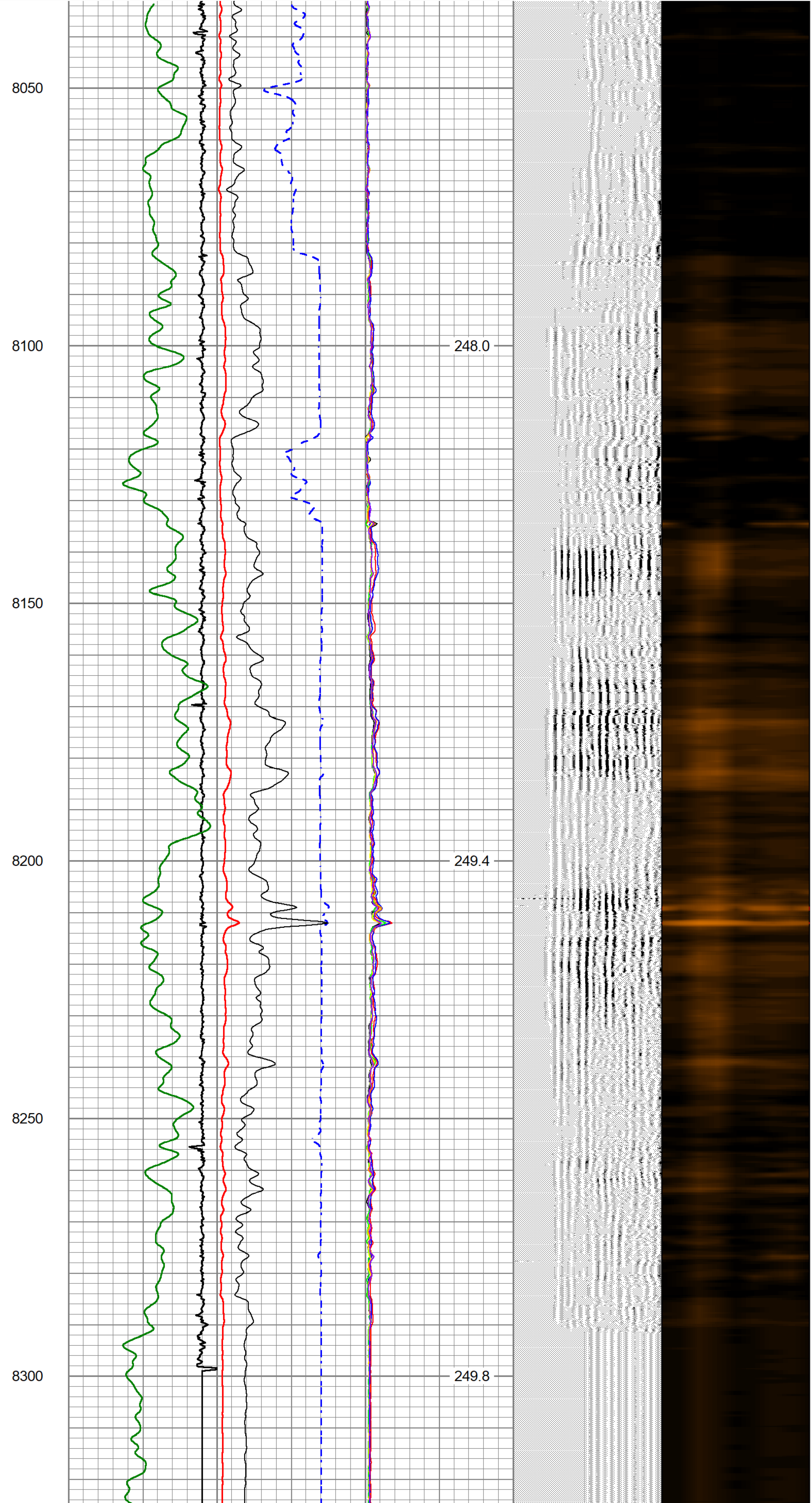

7600
236.2
7650
7700
238.8

| | | | | |
|---|---|---|---|---|
| -2.5 CCL 3 | 0 AMP (mV) 100 | 0 AMPS1 150 | 200 VDL (usec) 1200 | 1 RADIAL MAP 8 |
| 0 GR (GAPI) 150 | 650 TT (usec) 150 | 0 AMPS2 150 | | |
| | 0 AMPx5 (mV) 20 | 0 AMPS3 150 | | |
| | | 0 AMPS4 150 | | |
| | | 0 AMPS5 150 | | |
| | | 0 AMPS6 150 | | |
| | | 0 AMPS7 150 | | |
| | | 0 AMPS8 150 | | |
| | | GCT_Temp (degF) | | |

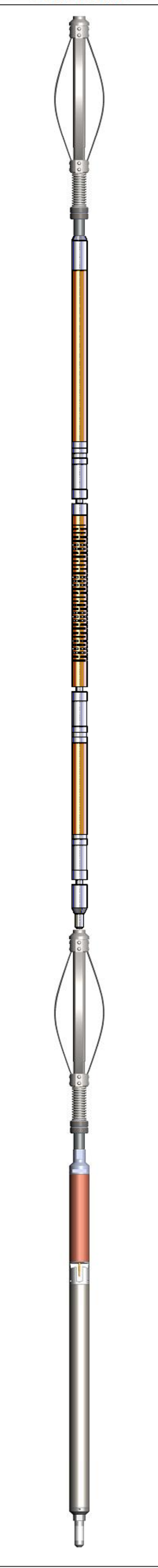
# REPEAT SECTION

| | |
|---|---|
| Database File | civitas lone tree 4-65 15-16 3ch.db |
| Dataset Pathname | pass2 |
| Presentation Format | sfww_cbl_oasis-sectors (2) |
| Dataset Creation | Thu Dec 01 15:51:00 2022 |
| Charted by | Depth in Feet scaled 1:240 |

| | | | | |
|---|---|---|---|---|
| -2.5 CCL 3 | 0 AMP (mV) 100 | 0 AMPS1 150 | 200 VDL (usec) 1200 | 1 RADIAL MAP 8 |
| 0 GR (GAPI) 150 | 650 TT (usec) 150 | 0 AMPS2 150 | | |
| | 0 AMPx5 (mV) 20 | 0 AMPS3 150 | | |
| | | 0 AMPS4 150 | | |
| | | 0 AMPS5 150 | | |
| | | 0 AMPS6 150 | | |
| | | 0 AMPS7 150 | | |
| | | 0 AMPS8 150 | | |
| | | GCT_Temp (degF) | | |



| | | | | |
|---|---|---|---|---|
| -2.5 CCL 3 | 0 AMP (mV) 100 | 0 AMPS1 150 | 200 VDL (usec) 1200 | 1 RADIAL MAP 8 |
| 0 GR (GAPI) 150 | 650 TT (usec) 150 | 0 AMPS2 150 | | |
| | 0 AMPx5 (mV) 20 | 0 AMPS3 150 | | |
| | | 0 AMPS4 150 | | |
| | | 0 AMPS5 150 | | |
| | | 0 AMPS6 150 | | |
| | | 0 AMPS7 150 | | |
| | | 0 AMPS8 150 | | |
| | | GCT_Temp (degF) | | |

| Sensor | Offset (ft) | Schematic | Description | Length (ft) | O.D. (in) | Weight (lb) |
|---|---|---|---|---|---|---|
| ErrCt | 19.69 |  | CENT-BC275-0000<br>Probe 2.75" Bowspring Centralizer | 2.83 | 2.75 | 24.00 |
| WVFSYNC<br>WVFS8<br>WVFS7<br>WVFS6<br>WVFS5<br>WVFS4<br>WVFS3<br>WVFS2<br>WVFS1<br>WVFCAL<br>WVF3FT<br>WVF5FT | 12.27<br>12.27<br>12.27<br>12.27<br>12.27<br>12.27<br>12.27<br>12.27<br>12.27<br>12.27<br>12.27<br>11.19 | | RBT-Probe (FW1905-055)<br>Probe Radii Bond Tool with Digital Telemetry | 8.92 | 2.75 | 90.00 |
| | | | CENT-BC275-0000<br>Probe 2.75" Bowspring Centralizer | 2.83 | 2.75 | 24.00 |
| GCT_HV<br>CCL$2<br>CCL$1<br>GCT_Temp<br>GR | 5.10<br>4.14<br>4.14<br>3.59<br>2.72 | | GC-GCT275-0000 (FW1905-098)<br>Probe Gamma Ray - CCL w/ Temp | 4.77 | 2.75 | 55.00 |
| | | | Plug-FA108-0000<br>1.38" Bull Plug | 0.33 | 1.38 | 1.00 |

| | |
|---|---|
| Dataset: | civitas lone tree 4-65 15-16 3ch.db: field/well/run1/pass3 |
| Total length: | 19.69 ft |
| Total weight: | 194.00 lb |
| O.D.: | 2.75 in |