WESC WARRIOR
Energy Services Corp.

# CEMENT BOND LOG
# GAMMA RAY-CCL-TEMP

| | |
|---|---|
| Company | EOG RESOURCES |
| Well | CRITTER CREEK 016-20H |
| Field | HEREFORD RANCH |
| County | WELD |
| State | CO |

**Company** EOG RESOURCES

**Well** CRITTER CREEK 016-20H

**Field** HEREFORD RANCH

**County** WELD **State** CO

**Location:** API # : 05-123-31431

NW NW

SEC 20 TWP 11N RGE 63W

Other Services

| | | | Elevation |
|---|---|---|---|
| Permanent Datum | GROUND LEVEL | Elevation | K.B.<br>D.F.<br>G.L. |
| Log Measured From | KELLY BUSHING | | |
| Drilling Measured From | KELLY BUSHING | | |

| | | | |
|---|---|---|---|
| Date | 12-AUGUST-2010 | | |
| Run Number | ONE | | |
| Depth Driller | | | |
| Depth Logger | 6850' | | |
| Bottom Logged Interval | 6850' | | |
| Top Log Interval | SURFACE | | |
| Open Hole Size | 8.75" BIT | | |
| Type Fluid | H2O | | |
| Density / Viscosity | NA | | |
| Max. Recorded Temp. | 221 | | |
| Estimated Cement Top | SURFACE | | |
| Time Well Ready | ROA | | |
| Time Logger on Bottom | 15:45 | | |
| Equipment Number | 5620 | | |
| Location | CASPER | | |
| Recorded By | DONALD MUNDELL | | |
| Witnessed By | DICK PHILO | | |

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

| Casing Record | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | 9.625" | 36# | SURFACE | 1460' |
| Prot. String | | | | |
| Production String | 7" | 23# | SURFACE | |
| Liner | 4.5" | 11.6# | 7016' | 13049' |
| | | | | |

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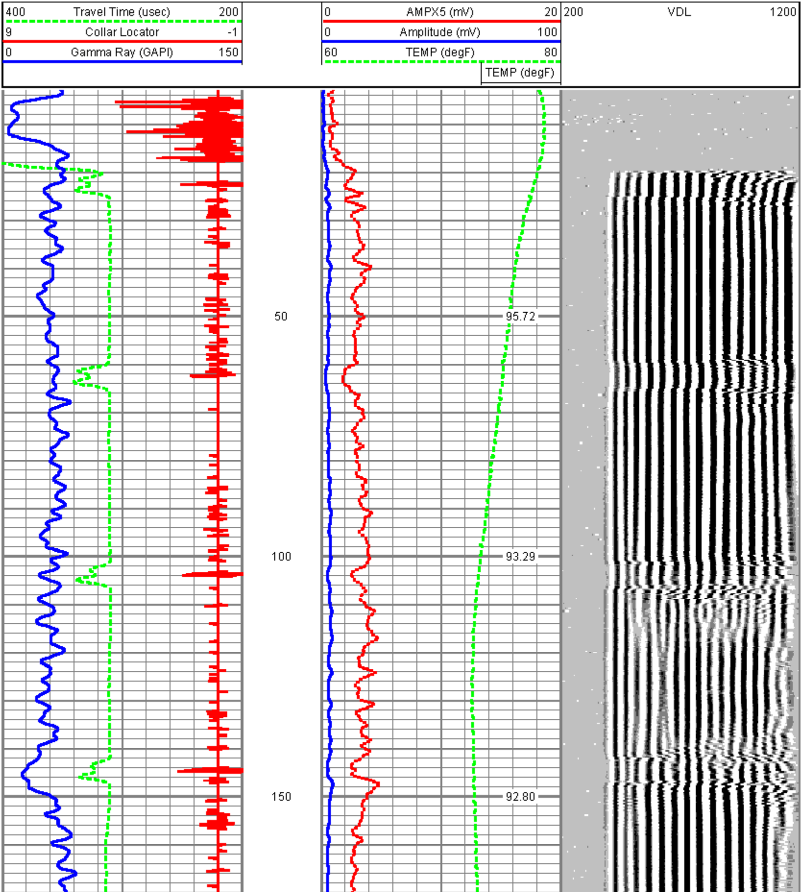
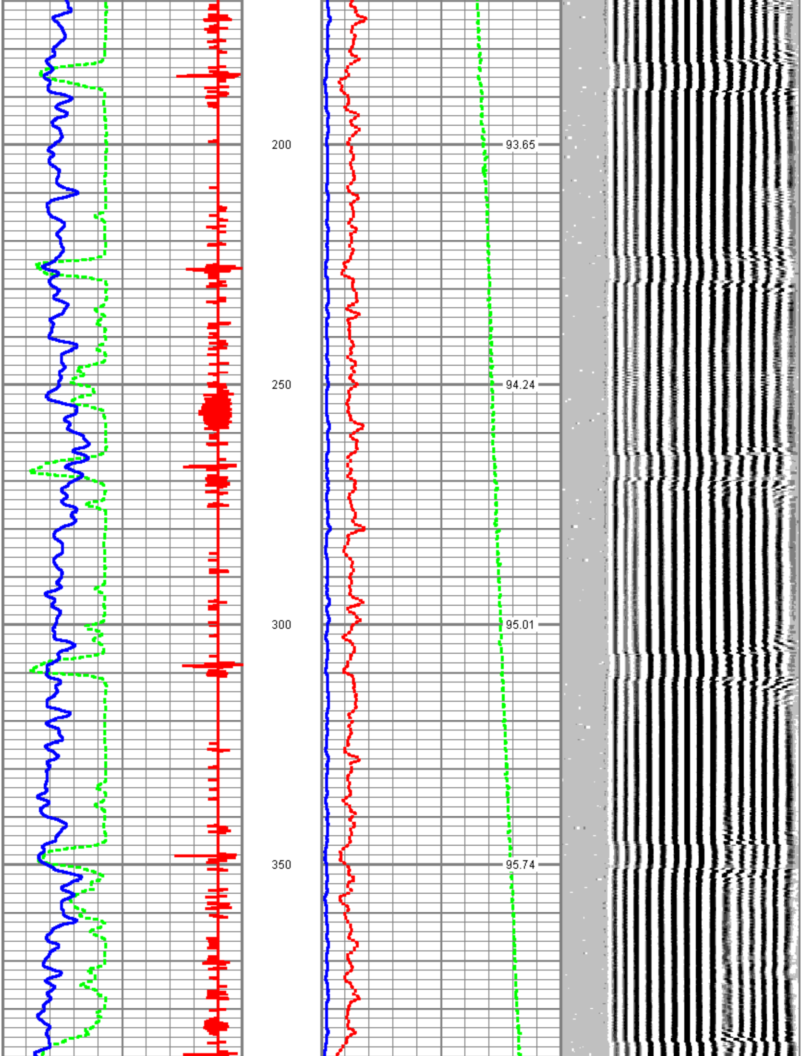
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

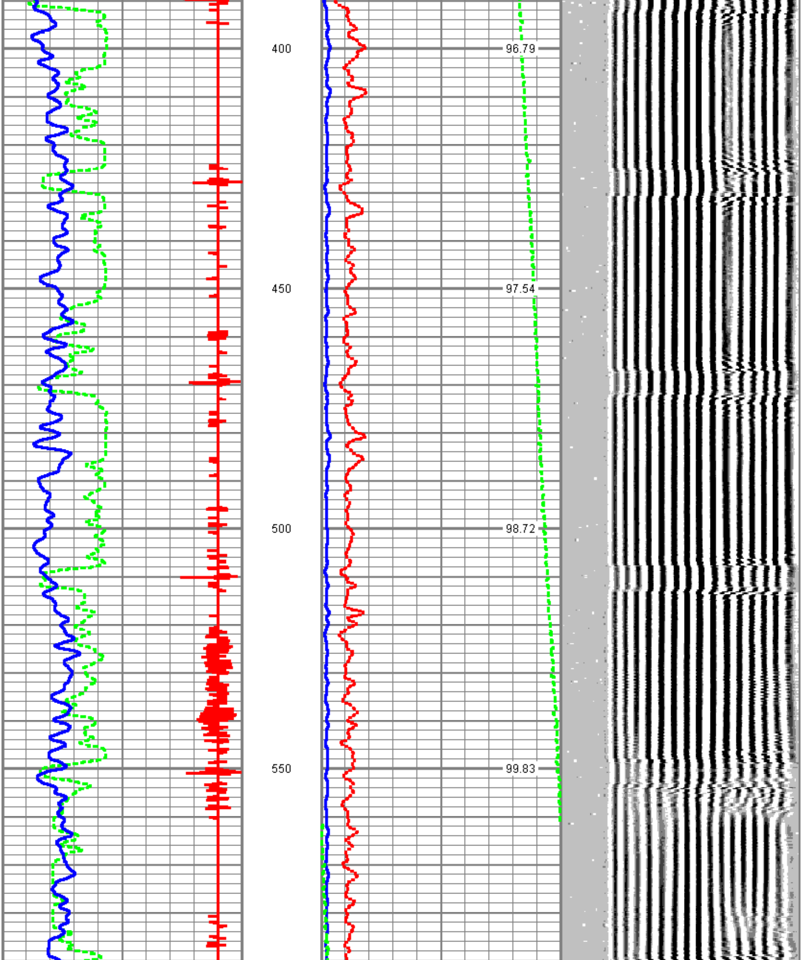
Comments

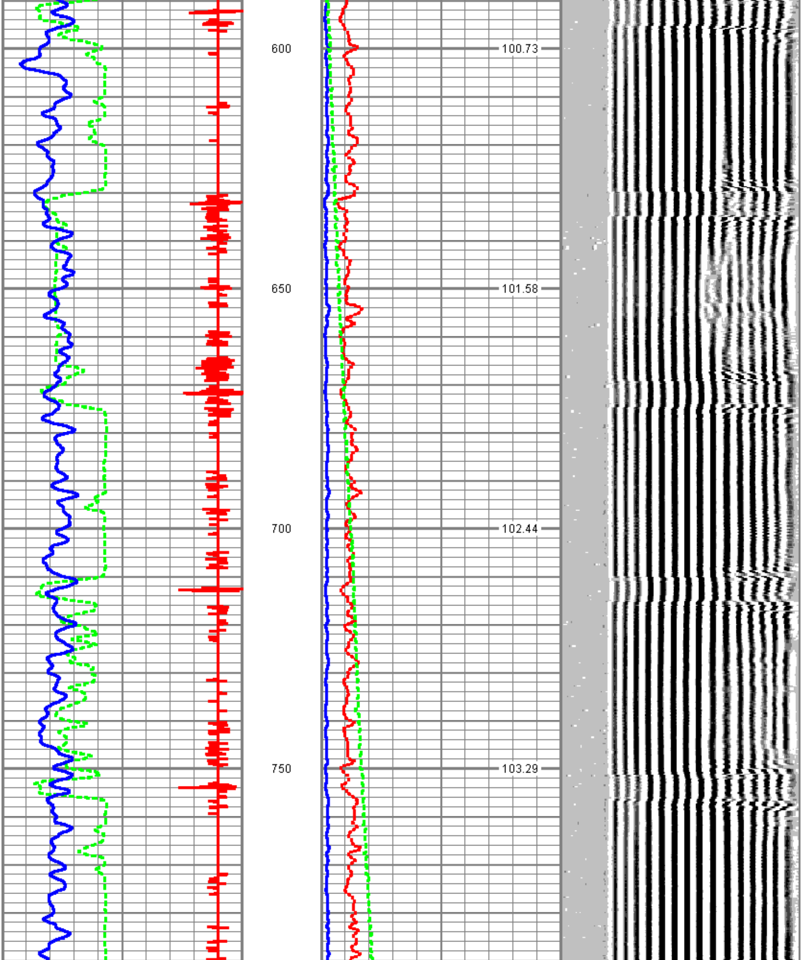
THANK YOU FOR USING WARRIOR ENERGY
NO LOG TO CORRELATE TO

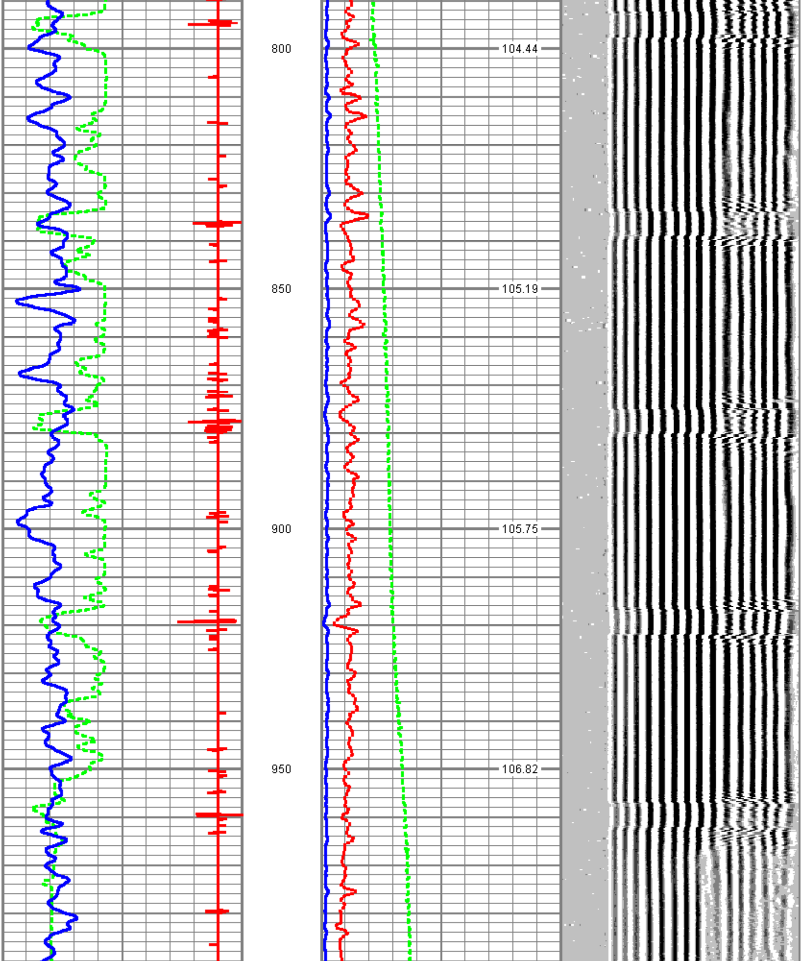
Database File: 1crittercreek16.db
Dataset Pathname: CBL1/pass5
Presentation Format: 2scbtvdl
Dataset Creation: Thu Aug 12 17:35:23 2010 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

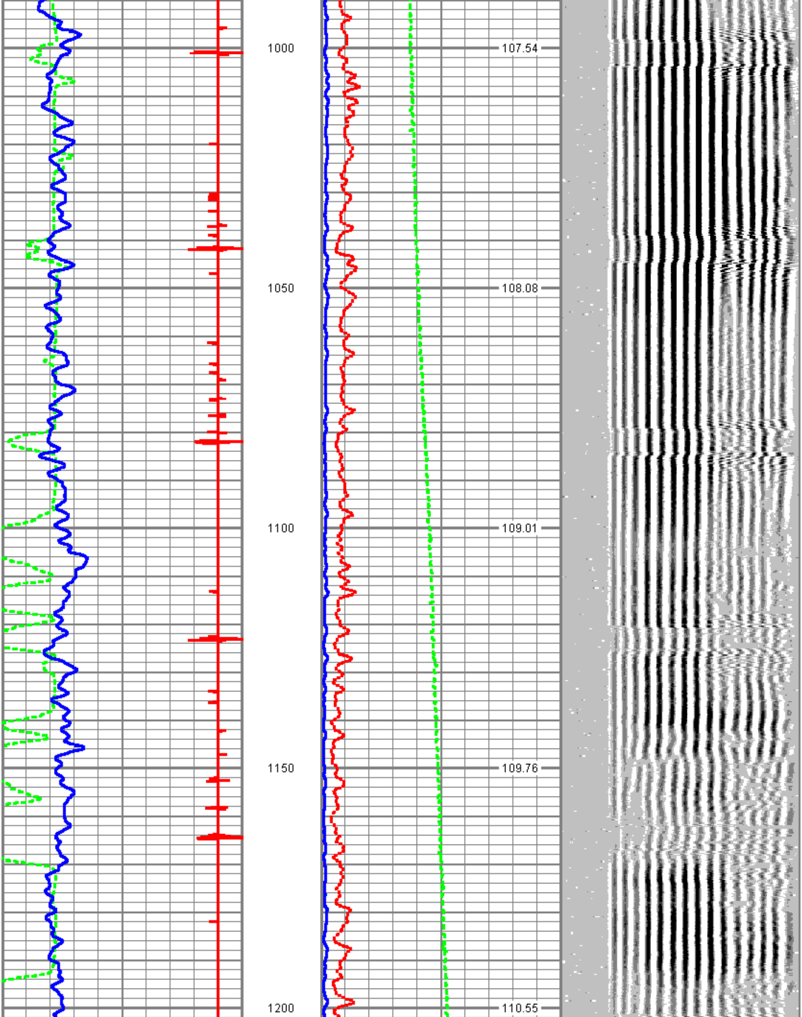


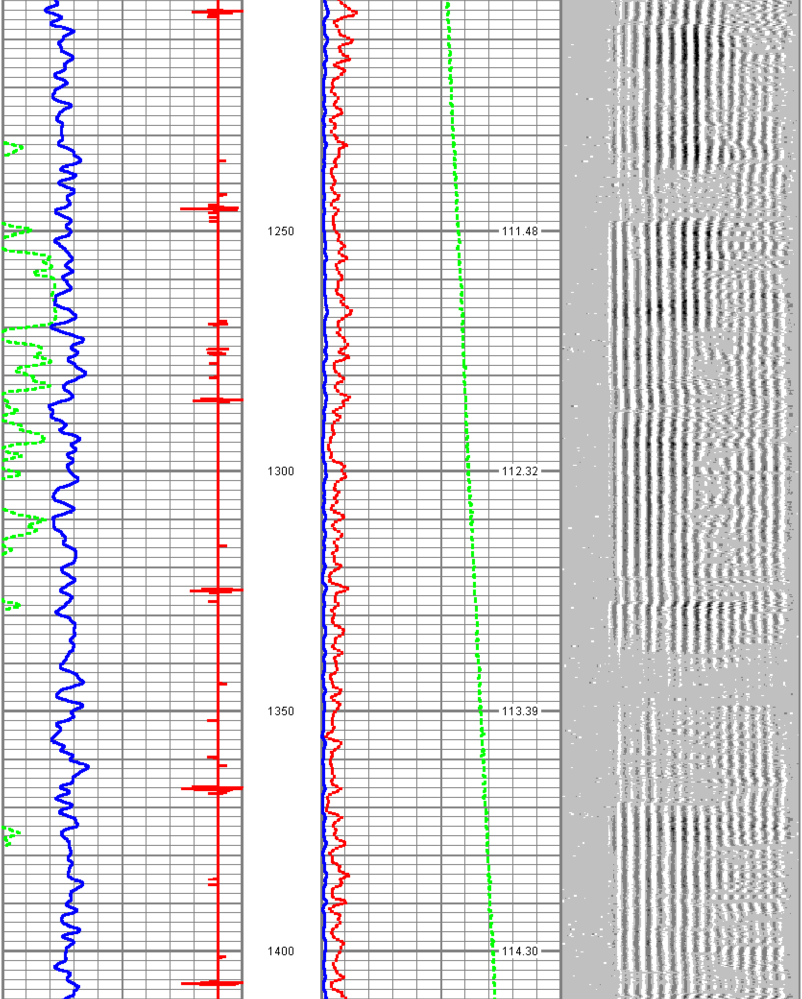


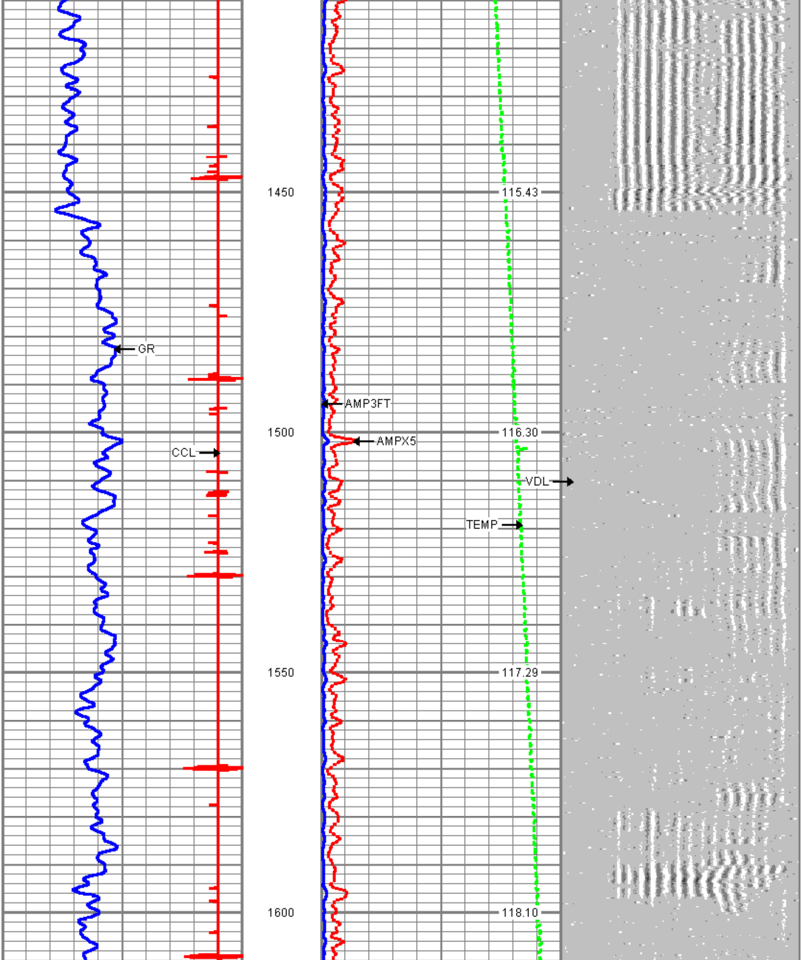


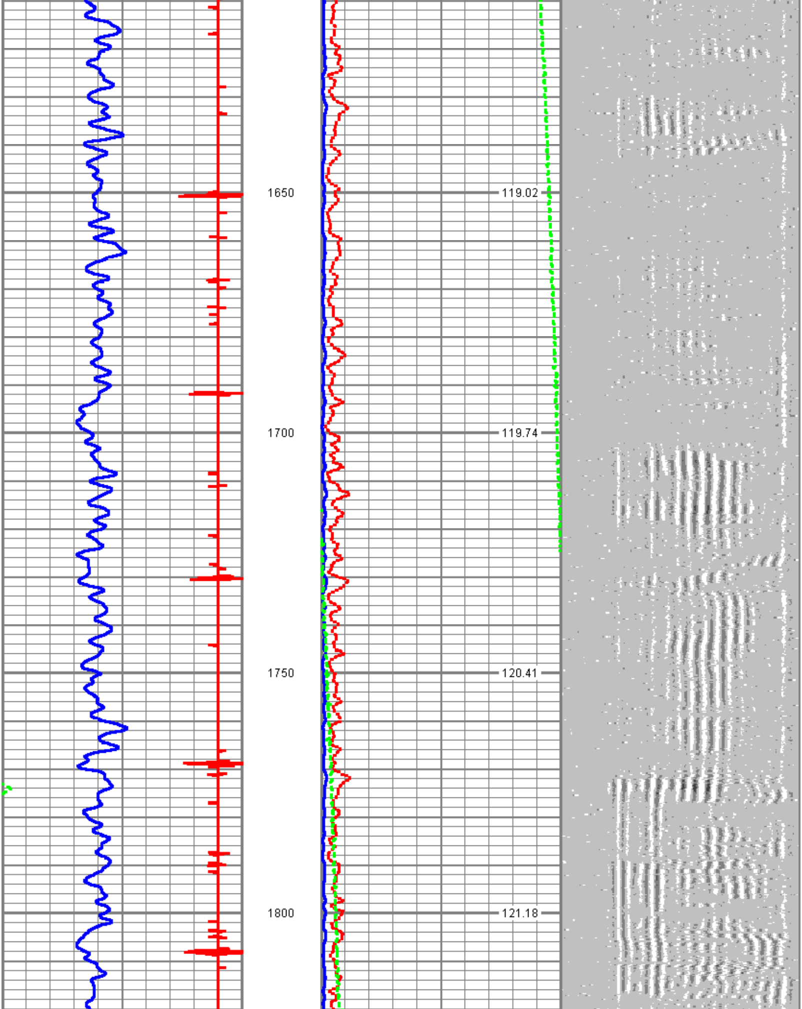


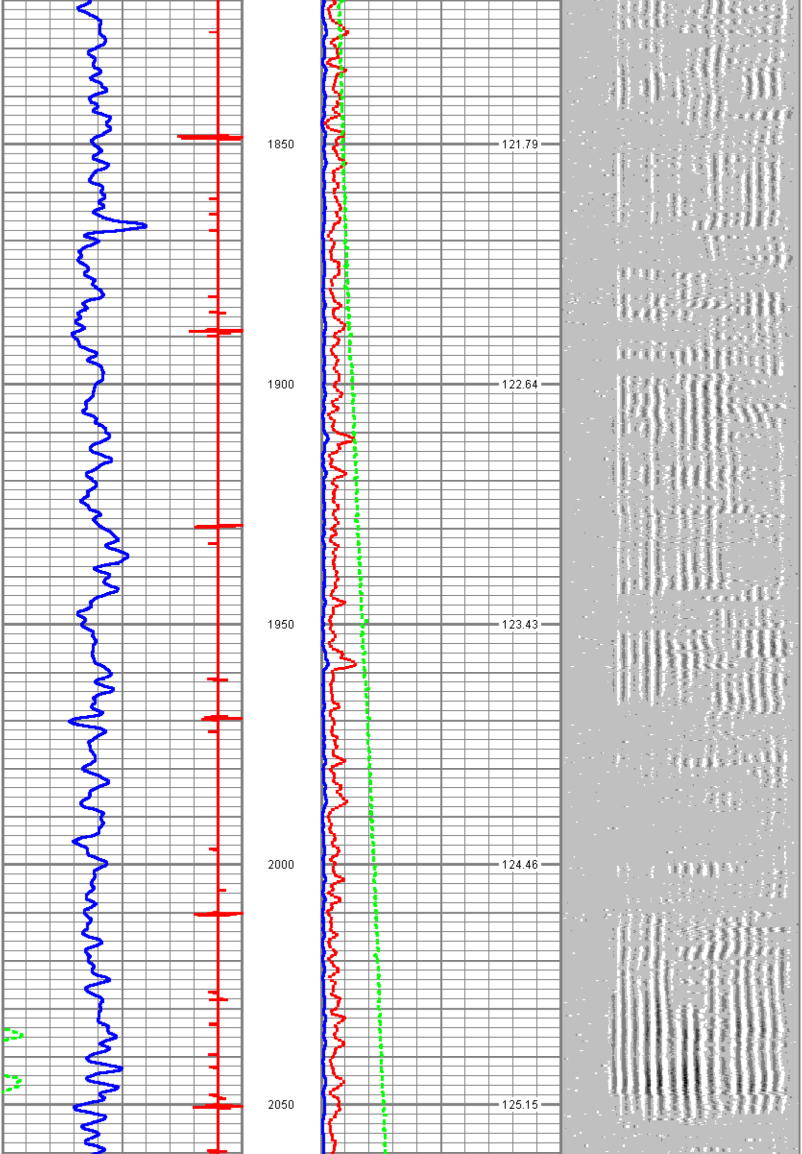


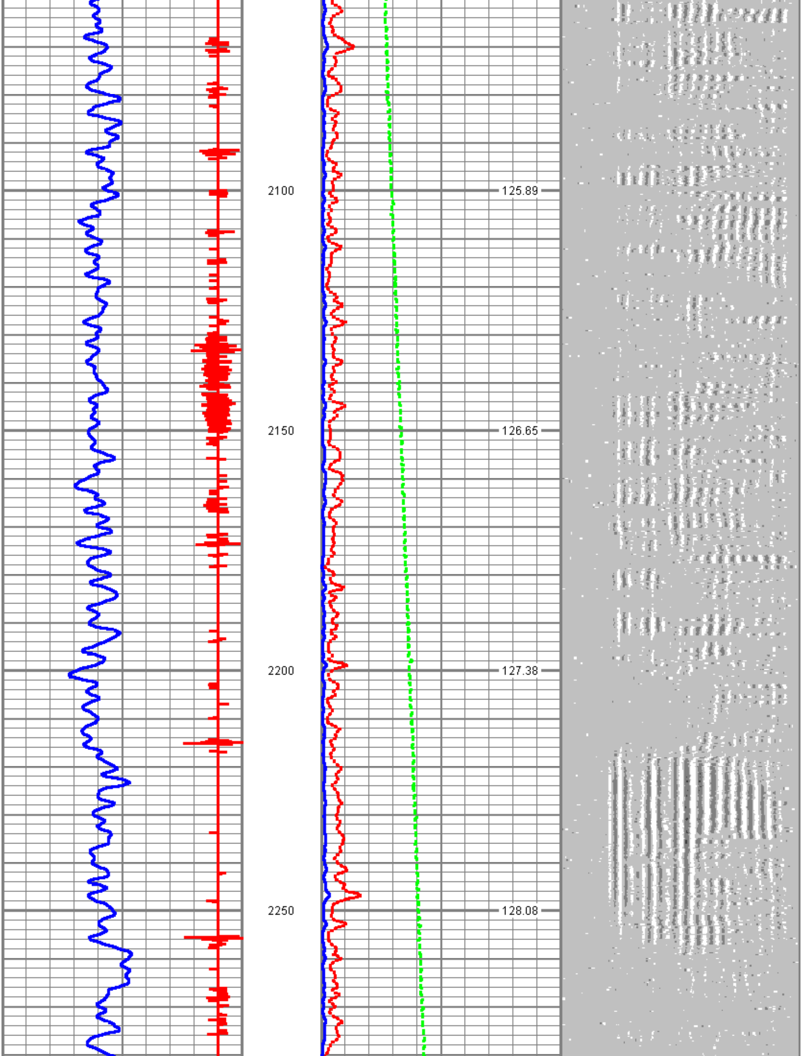


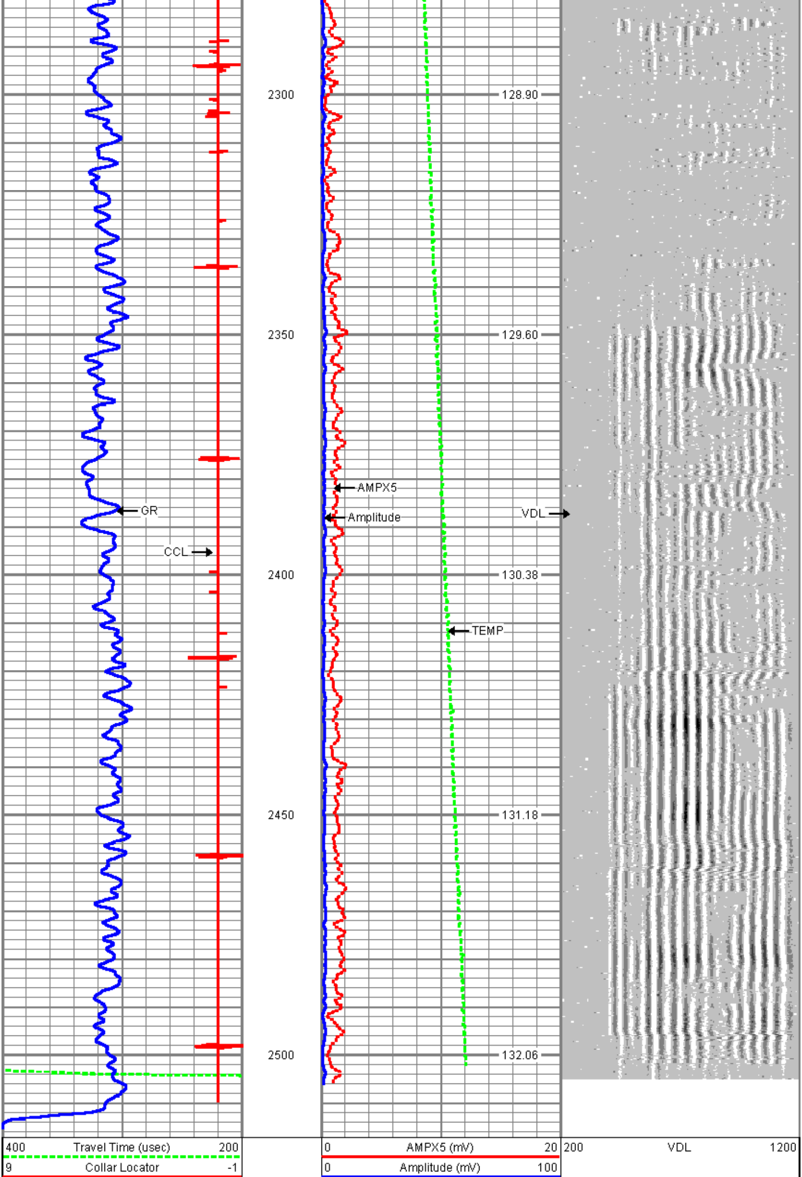












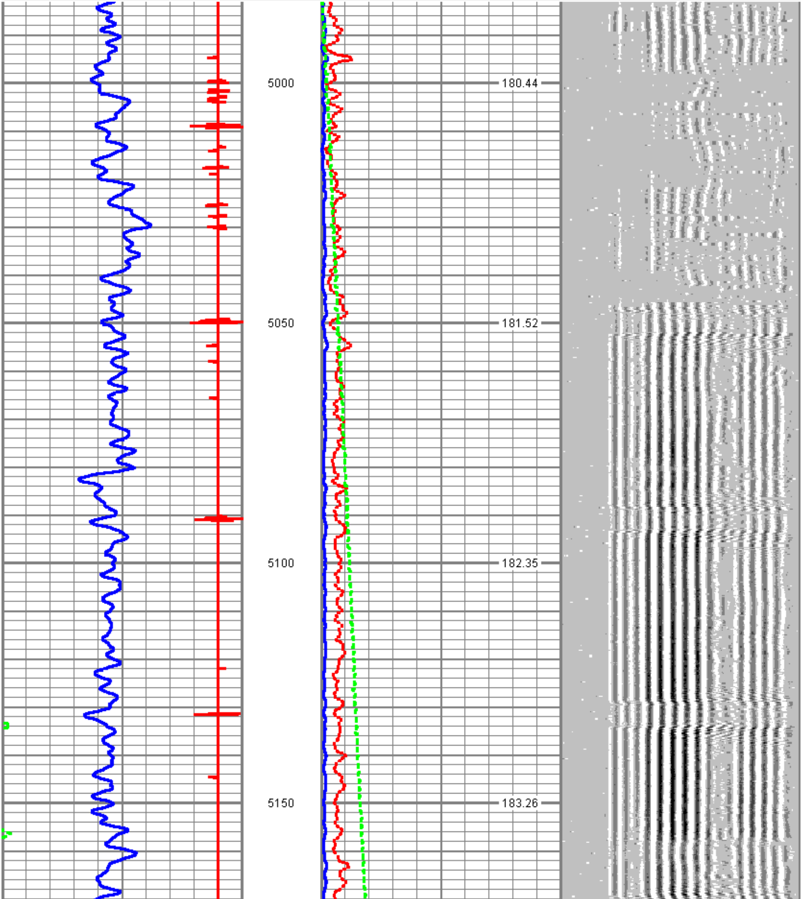
0 Gamma Ray (GAPI) 150
60 TEMP (degF) 80
TEMP (degF)

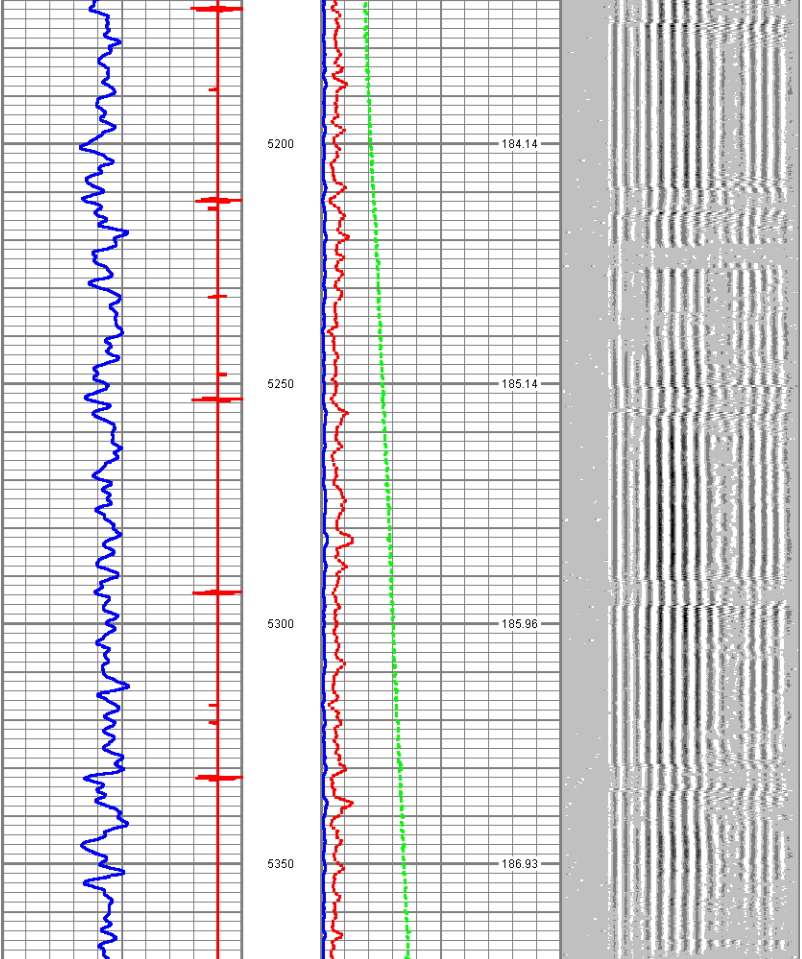
| | |
|---|---|
| Database File: | 1crittercreek16.db |
| Dataset Pathname: | CBL1/pass4 |
| Presentation Format: | 2scbtvdl |
| Dataset Creation: | Thu Aug 12 16:51:10 2010 by Log Std Casedhole 07122 |
| Charted by: | Depth in Feet scaled 1:240 |

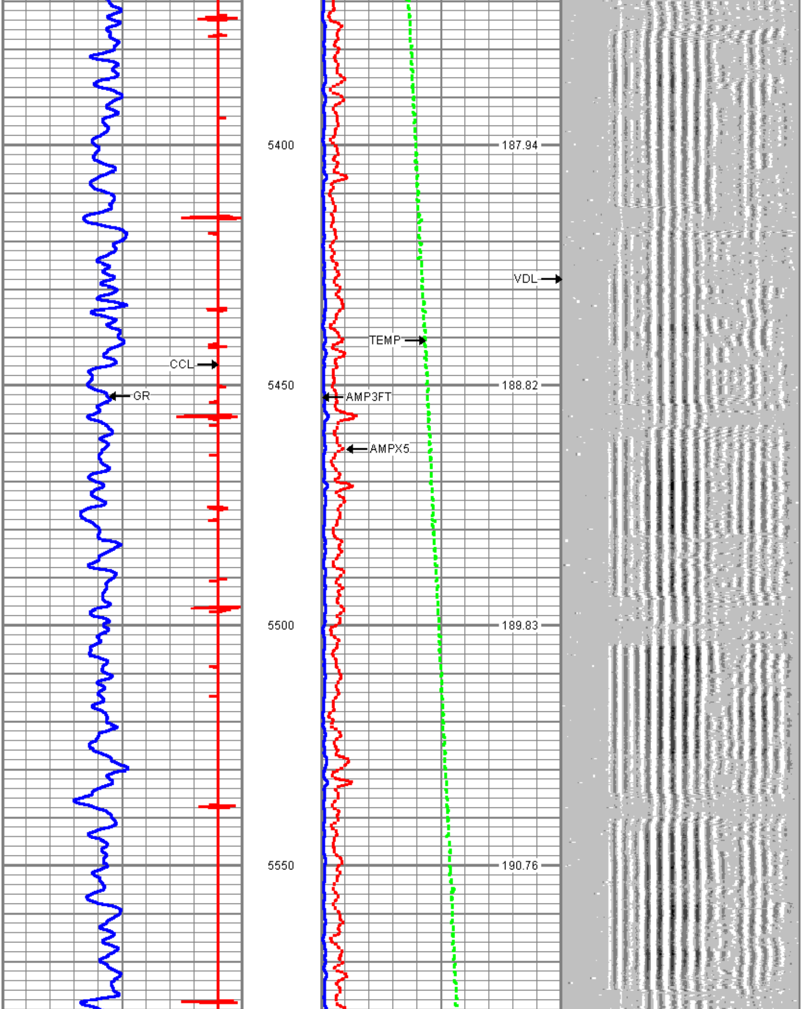
400 Travel Time (usec) 200
9 Collar Locator -1
0 Gamma Ray (GAPI) 150

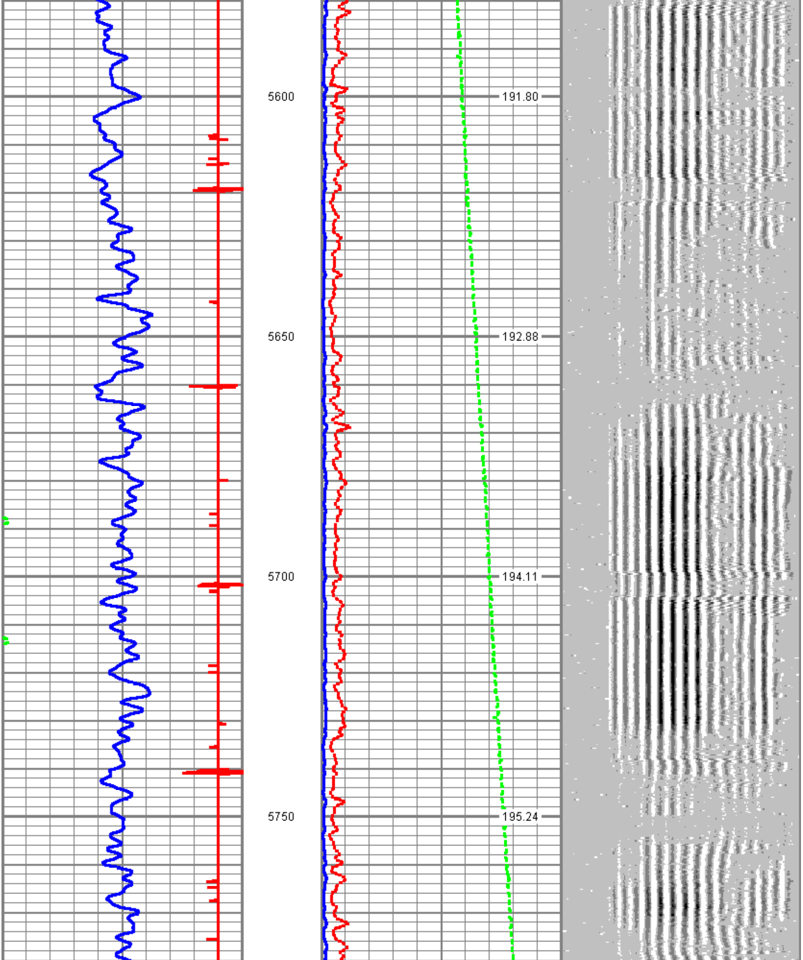
0 AMPX5 (mV) 20
0 Amplitude (mV) 100
60 TEMP (degF) 80
TEMP (degF)

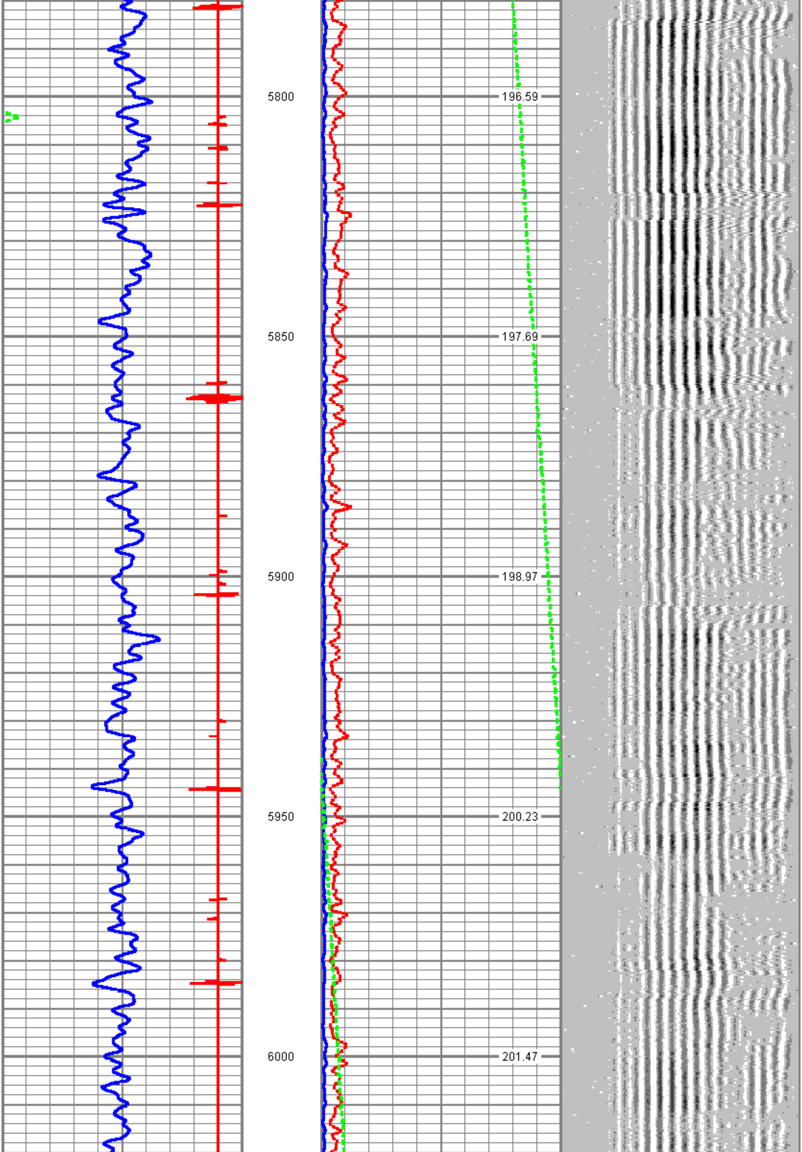
200 VDL 1200

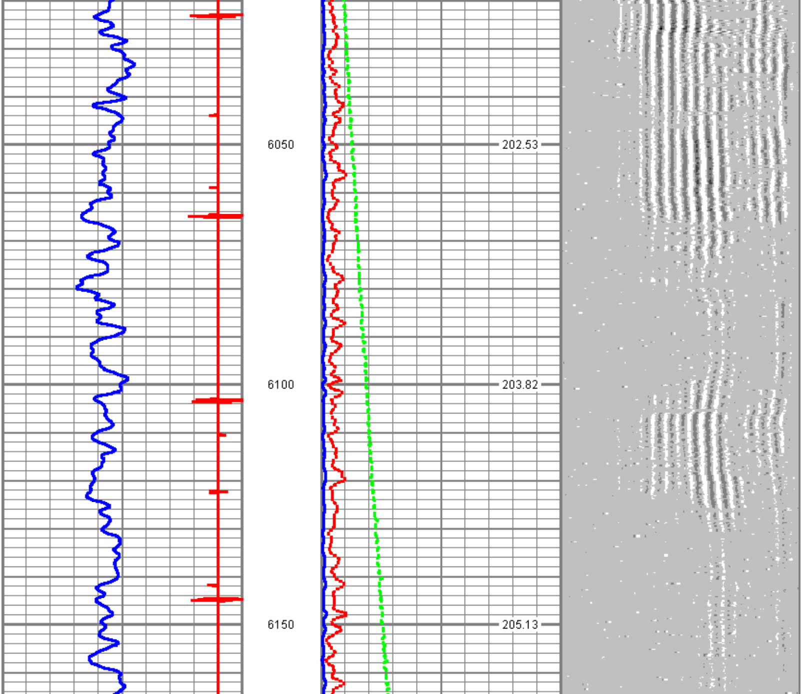




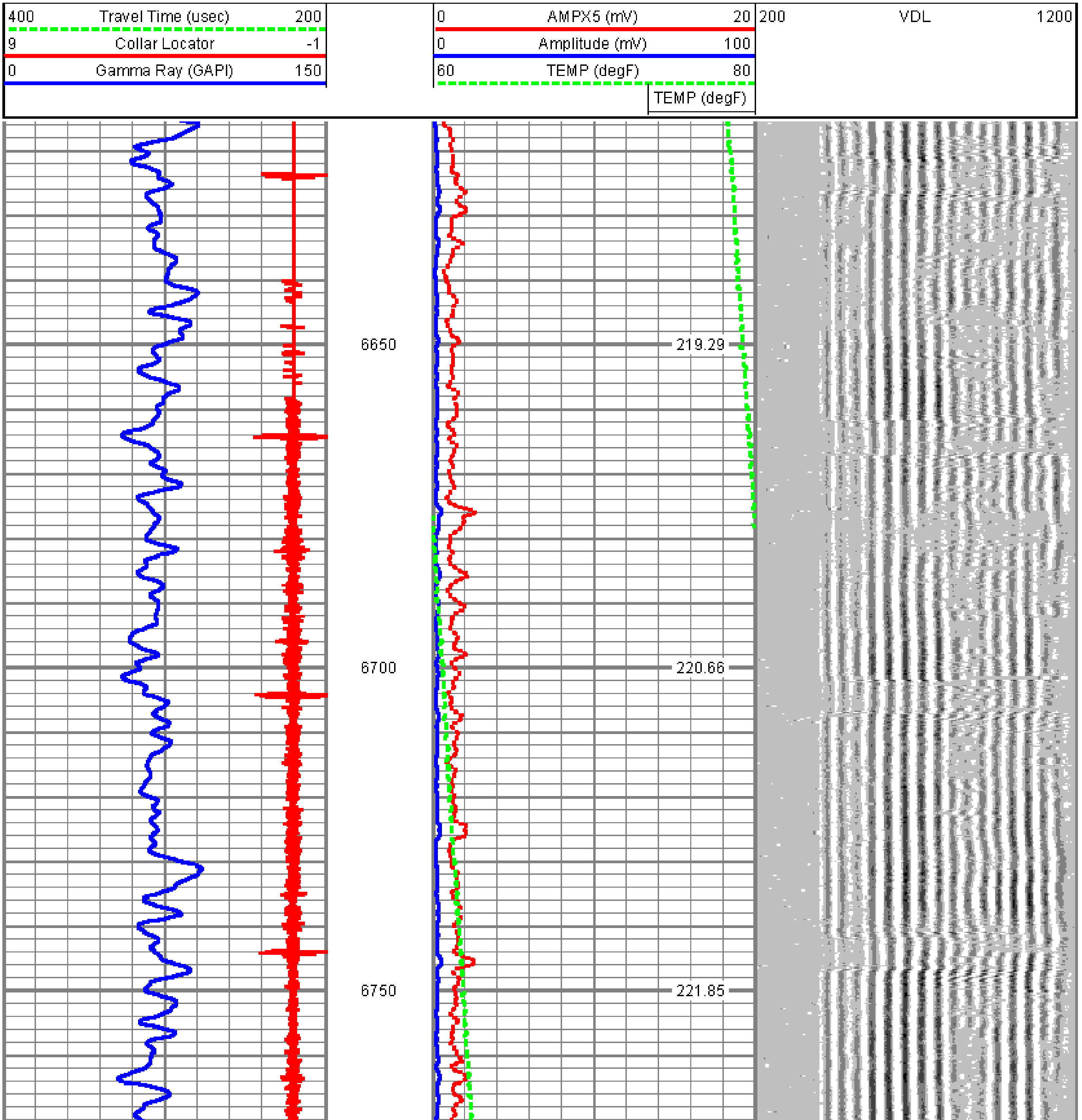






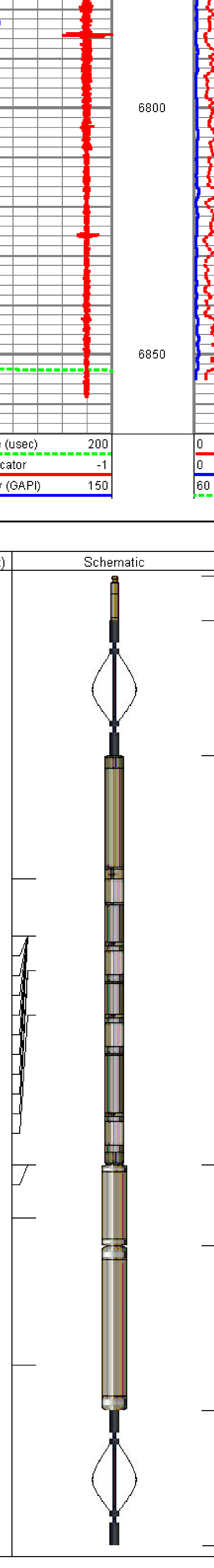


| | |
|---|---|
| Database File: | 1crittercreek16.db |
| Dataset Pathname: | CBL1/pass3 |
| Presentation Format: | 2scbtvdl |
| Dataset Creation: | Thu Aug 12 16:43:19 2010 by Log Std Casedhole 07122 |
| Charted by: | Depth in Feet scaled 1:240 |



| Sensor | Offset (ft) |
|---|---|
| TEMP | 14.85 |
| WVFS1 | 13.56 |
| WVFS2 | 13.56 |
| WVFS3 | 13.56 |
| WVFS4 | 13.56 |
| WVFS5 | 13.56 |
| WVFS6 | 13.56 |
| WVFS7 | 13.56 |
| WVFS8 | 13.56 |
| WVF3FT | 12.81 |
| WVFCAL | 12.81 |
| WVF5FT | 11.81 |
| WVFTEMP | 8.47 |
| WVFSYNC | 8.47 |
| CCL | 7.29 |
| GR | 4.00 |

Schematic



| Description | Len (ft) | OD (in) | Wt (lb) |
|---|---|---|---|
| CHD1_0 | 1.00 | 1.00 | 1.00 |
| LTEC-1.68<br>LTEC Six Arm | 3.00 | 1.69 | 15.00 |
| SCBL100T-Tekco100T (100T-001) | 9.13 | 0.00 | |
| CCL-Tekco105 (105-004) | 1.81 | 2.75 | 15.00 |
| GR-Tekco110 (110-004) | 3.66 | 2.75 | 25.00 |
| LTEC-1.68<br>LTEC Six Arm | 3.00 | 1.69 | 15.00 |

| | |
|---|---|
| Dataset: | 1crittercreek16.db: field/well/CBL1/pass5 |
| Total Length: | 21.60 ft |
| Total Weight: | 71.00 lb |
| O.D.: | 2.75 in |