**Casedhole Solutions**

# GAMMA RAY C.C.L.
# CEMENT BOND V.D.L.

| | |
|---|---|
| Company | Noble Energy |
| Well | Lilli Unit 16-12 |
| Field | Wattenberg |
| County | Weld |
| State | CO |

**Company** Noble Energy

**Well** Lilli Unit 16-12

**Field** Wattenberg

**County** Weld **State** CO

**Location:** API # : 05-123-13916

800' FSL & 520' FEL
SE / SE

SEC 12 TWP 8N RGE 59W

| | | | |
|---|---|---|---|
| Permanent Datum | GL | Elevation | 4716' |
| Log Measured From | GL | | |
| Drilling Measured From | KB | | |

Other Services

Elevation
K.B.
D.F.
G.L. 4726'

| | | | |
|---|---|---|---|
| Date | August 1, 2017 | | |
| Run Number | 1 | | |
| Depth Driller | 6510' | | |
| Depth Logger | 2191' | | |
| Bottom Logged Interval | 2191'-0' | | |
| Top Log Interval | | | |
| Casing Size | | | |
| Type Fluid | WATER | | |
| Max. Recorded Temp. | N/A | | |
| Estimated Cement Top | | | |
| Time Well Ready | | | |
| Time Logger On Bottom | | | |
| Unit Number | 923827 | | |
| Tool Size / ID Number | 2-3/4" Probe Radii | | |
| Location | WCRs129+96,W3.9,S7/10,Einto | | |
| Recorded By | Meisner | | |
| Witnessed By | Stew Setchfield | | |

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

| Casing Record | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | | | | |
| Prot. String | | | | |
| Production String | 4.5" | | | |
| Liner | | | | |

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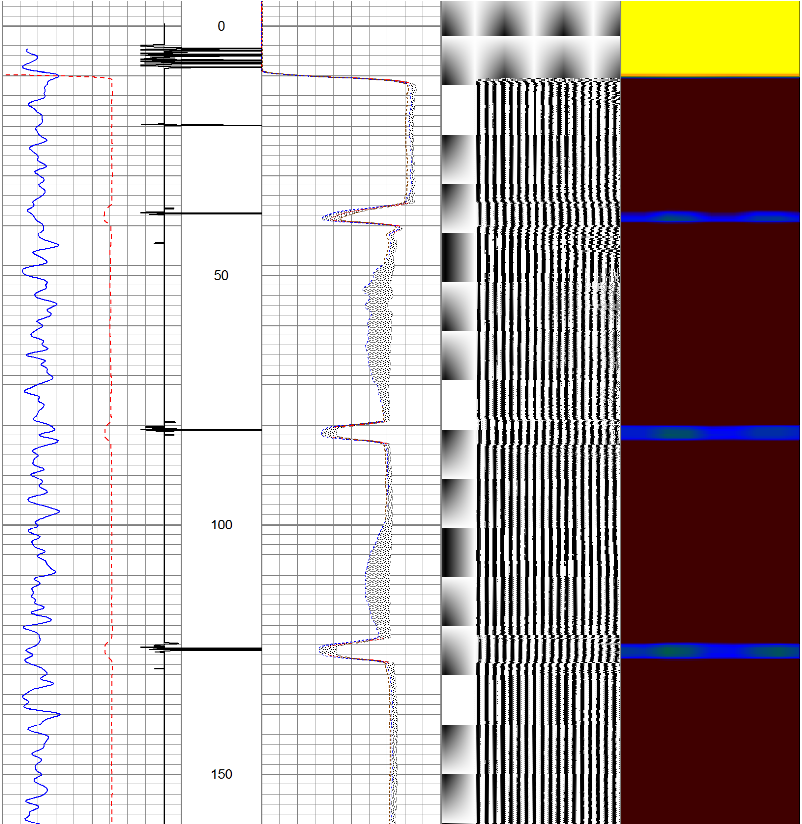
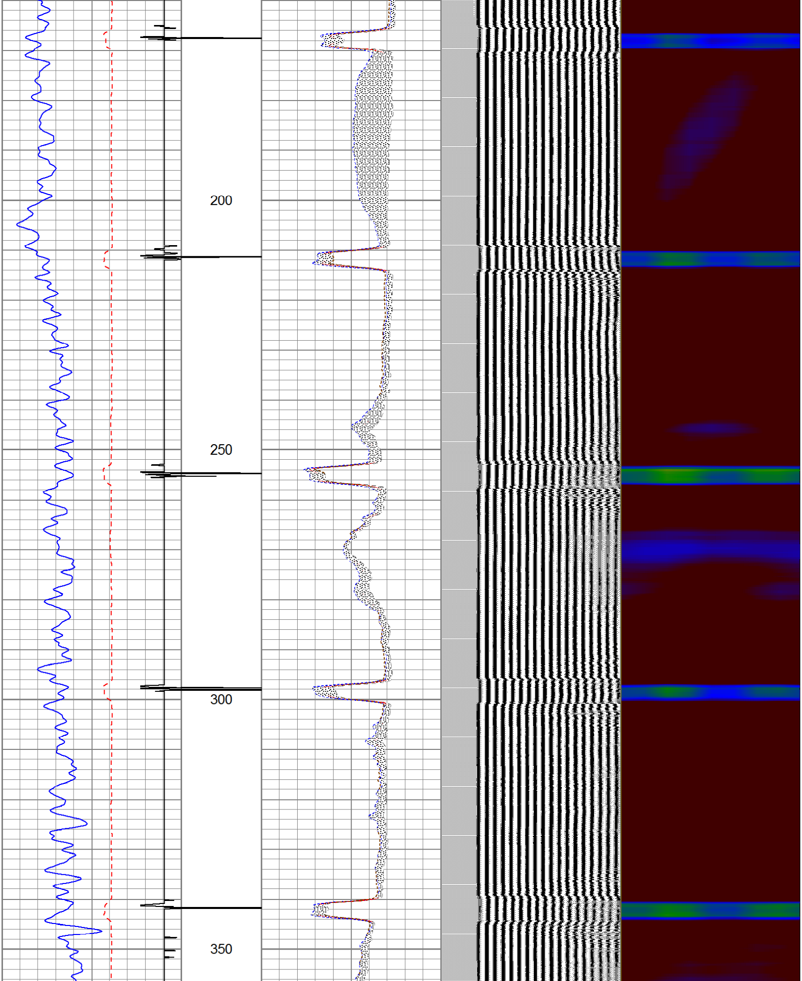
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

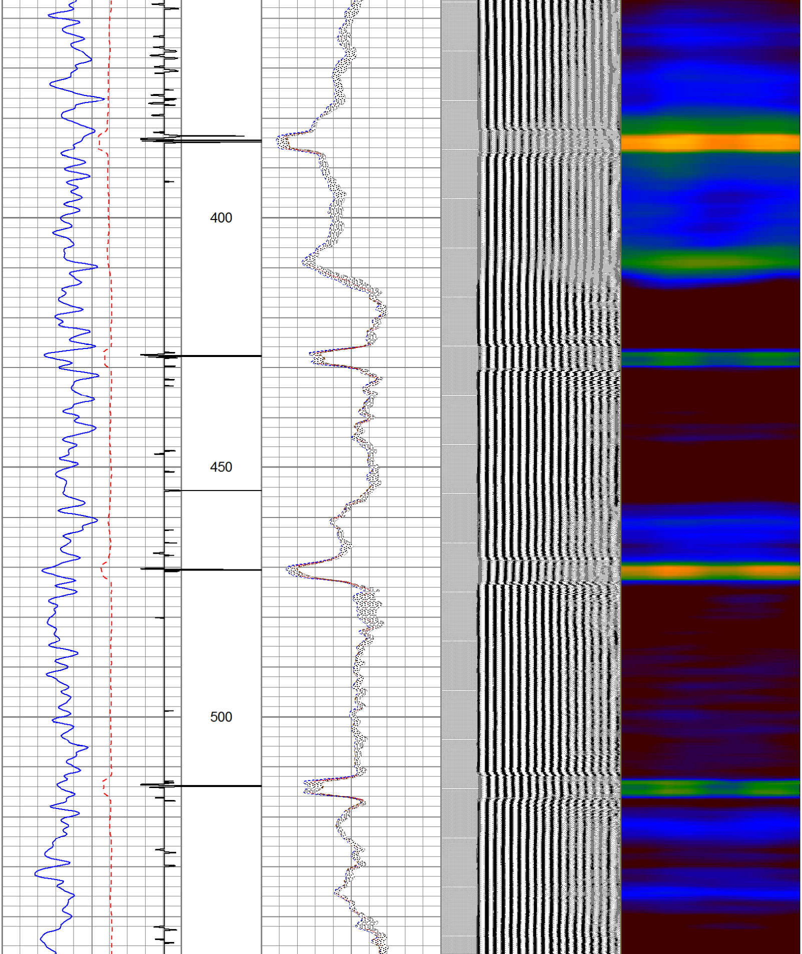
## Comments

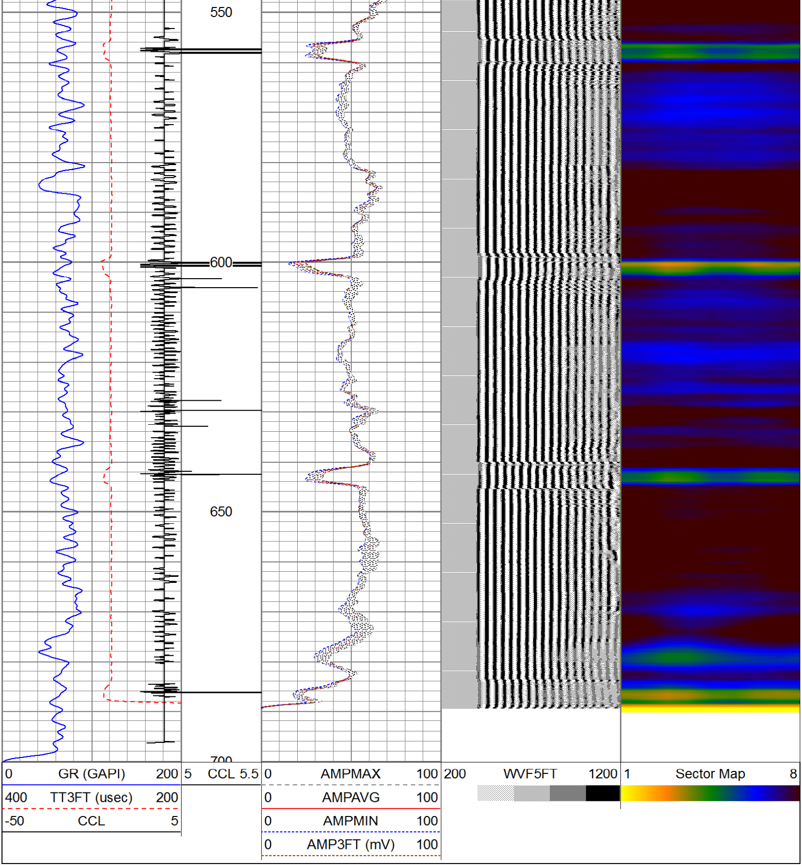
Database File: nbllu1612.db
Dataset Pathname: pass2
Presentation Format: sector2
Dataset Creation: Tue Aug 01 08:28:24 2017 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

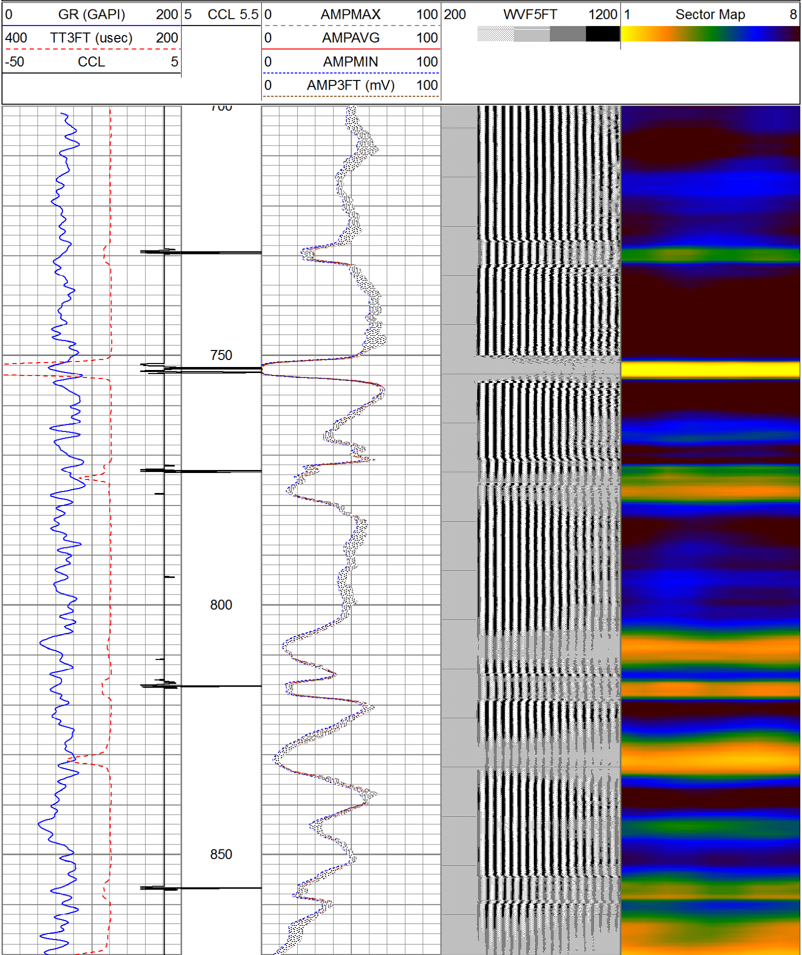
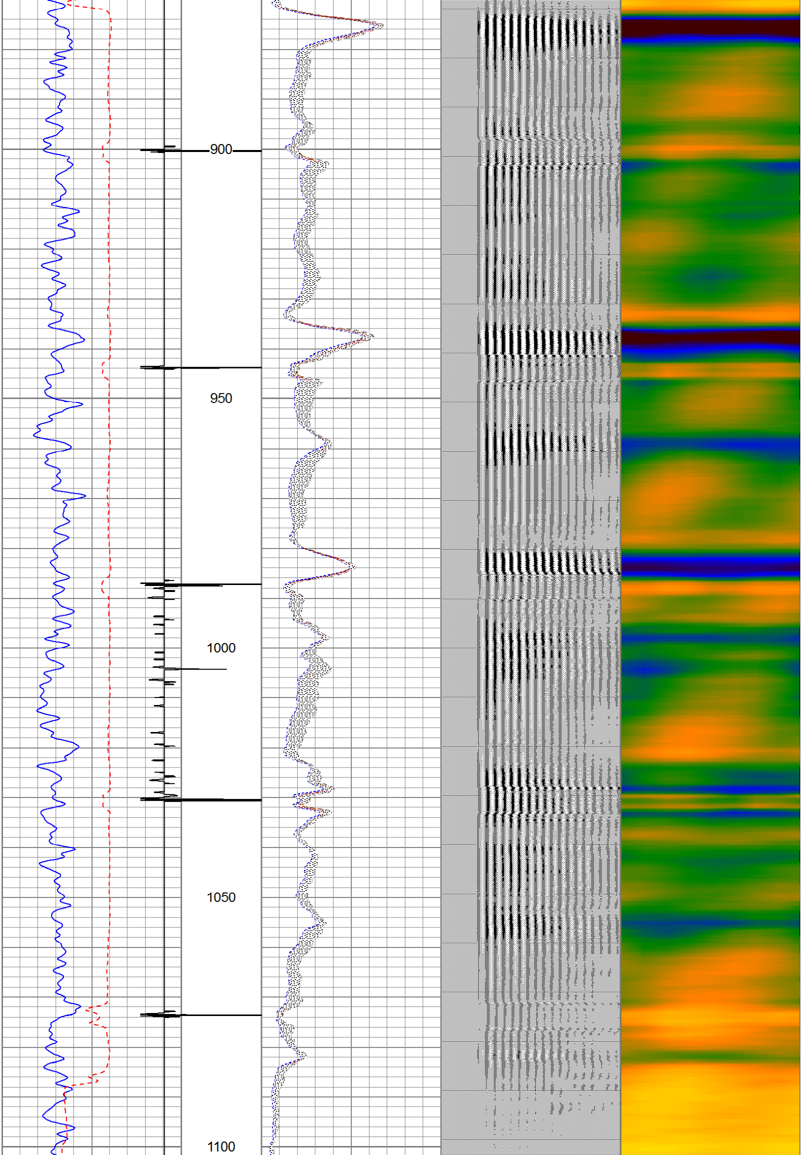
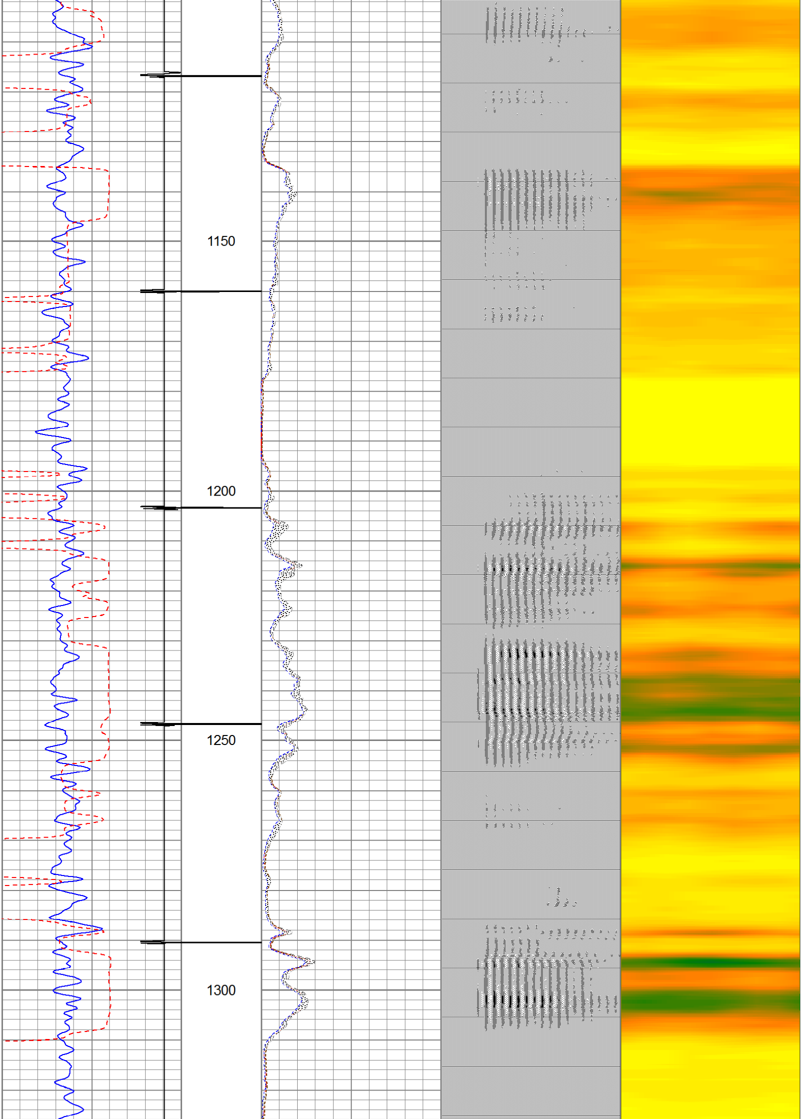
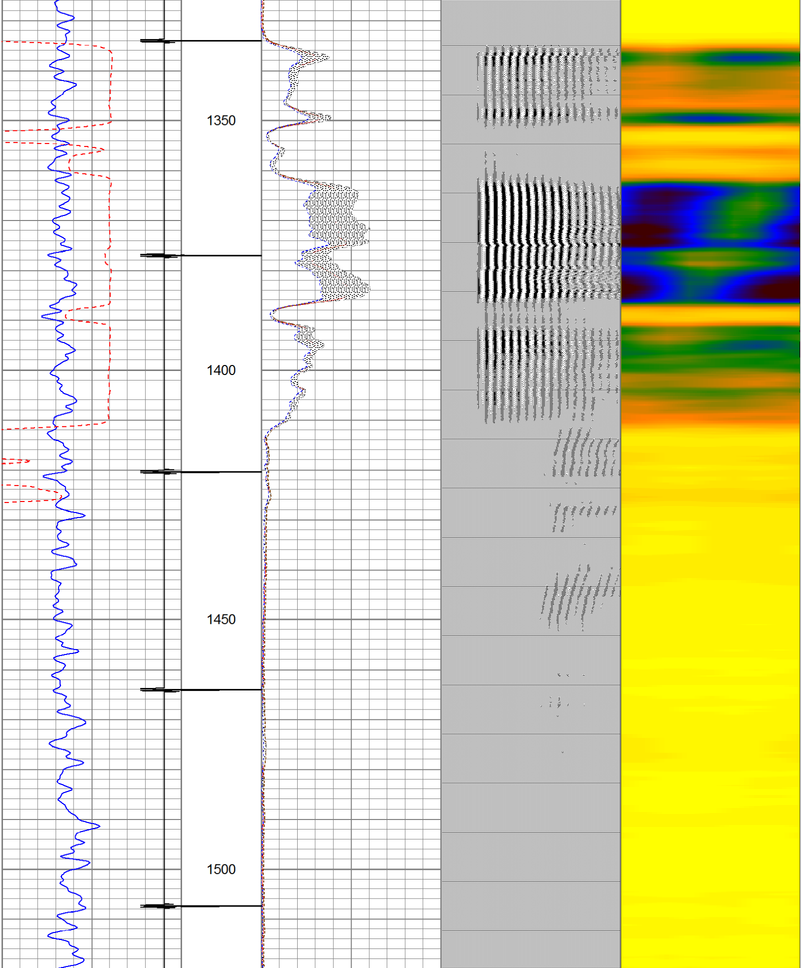
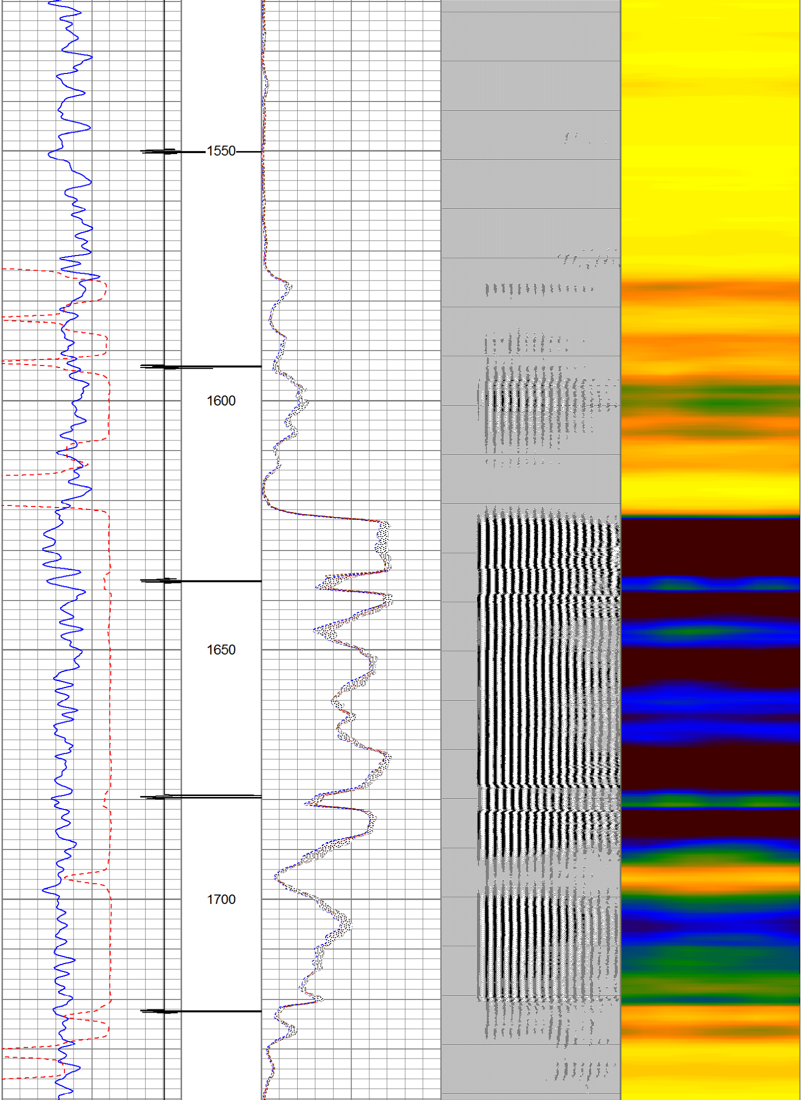
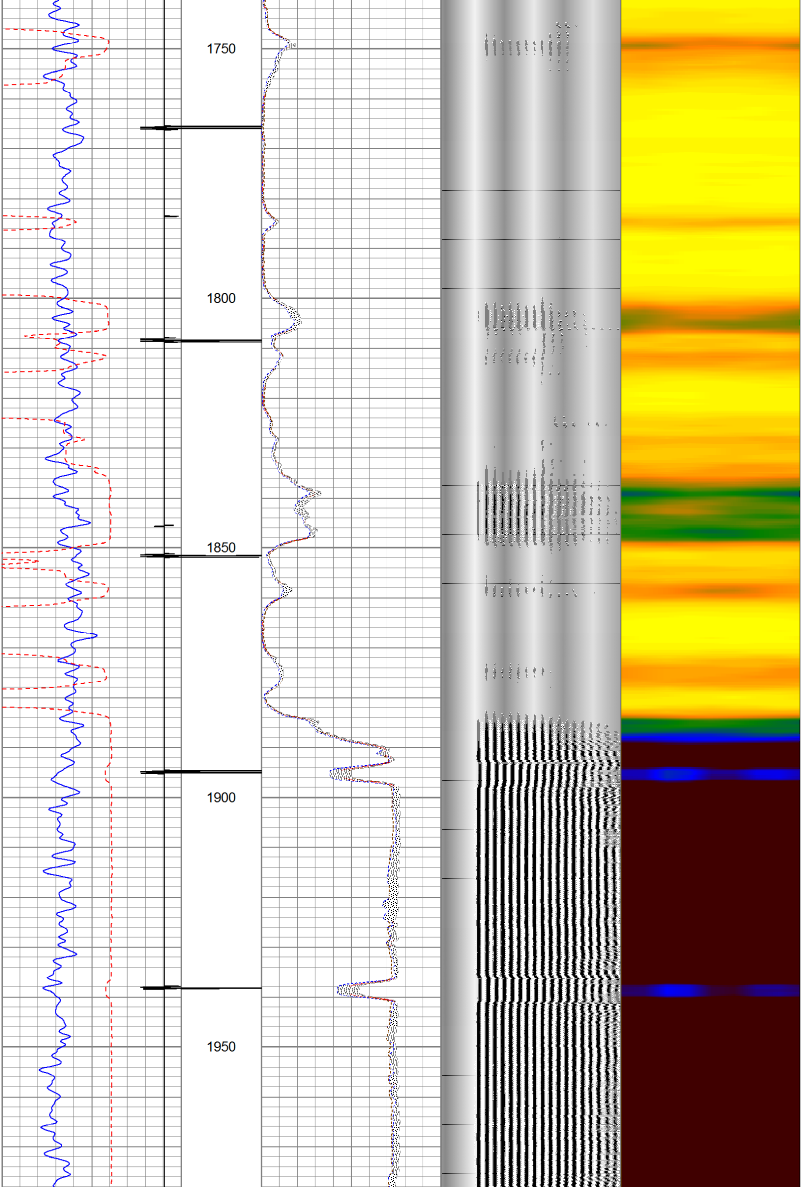
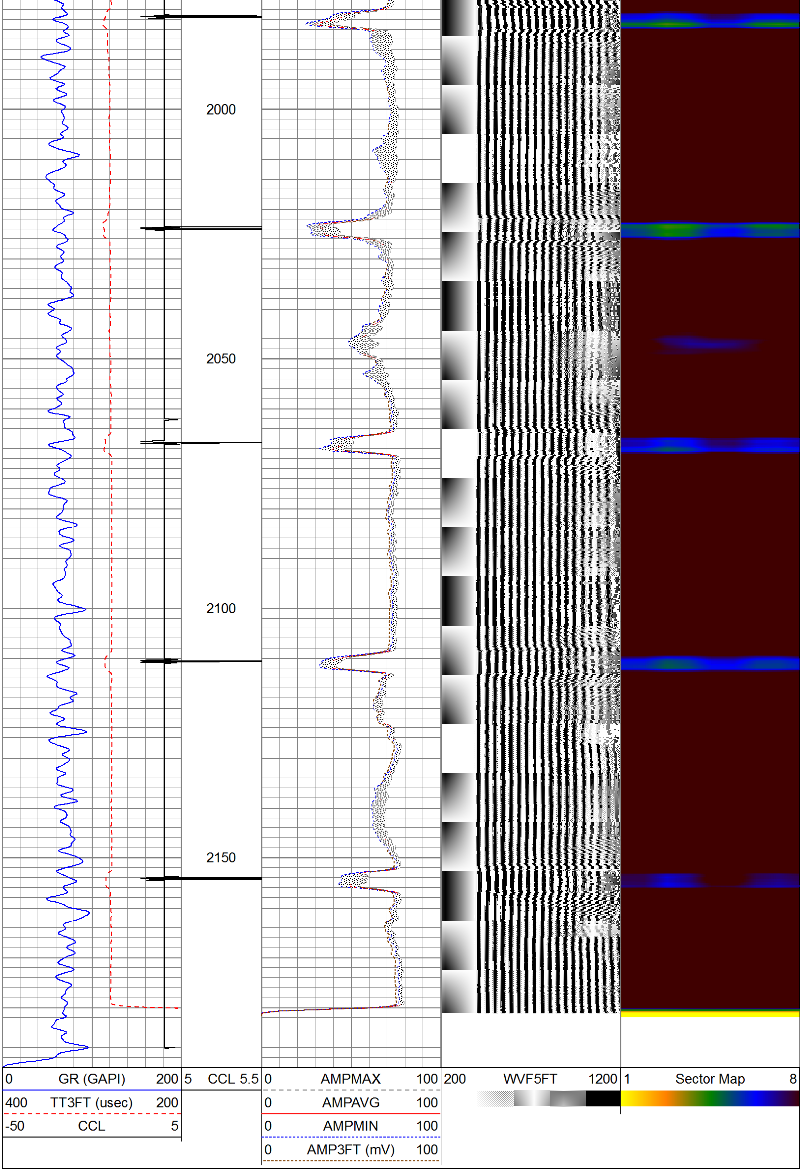
| | | | | |
|---|---|---|---|---|
| 0 GR (GAPI) 200 | 5 CCL 5.5 | 0 AMPMAX 100 | 200 WVF5FT 1200 | 1 Sector Map 8 |
| 400 TT3FT (usec) 200 | | 0 AMPAVG 100 | | |
| -50 CCL 5 | | 0 AMPMIN 100 | | |
| | | 0 AMP3FT (mV) 100 | | |









Database File: nbllu1612.db
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