# Casedhole Solutions

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

|  |  |
|---|---|
| Company | PDC Energy |
| Well | Elbert 1N |
| Field | Wattenberg |
| County | Weld |
| State | CO |

**Company** PDC Energy

**Well** Elbert 1N

**Field** Wattenberg

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

**Location:** API #: 05-123-44562
2209' FSL & 710' FWL
NW / SW

SEC 21 TWP 5N RGE 65W

Other Services

|  |  |  |  |
|---|---|---|---|
| Permanent Datum | GL | Elevation 4638' | Elevation<br>K.B.<br>D.F.<br>G.L. 4638' |
| Log Measured From | GL |  |  |
| Drilling Measured From | KB |  |  |

|  |  |
|---|---|
| Date | September 11, 2017 |
| Run Number | 1 |
| Depth Driller | 12,072' |
| Depth Logger | 7000' |
| Bottom Logged Interval | 7000'-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 | 923856 |
| Tool Size / ID Number | 2-3/4" Probe Radii |
| Location | 37thAVE&1stSTR,N4/10,Einto |
| Recorded By | Meisner |
| Witnessed By | Gardella |

| 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 | 5.5" |  |  |  |
| 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

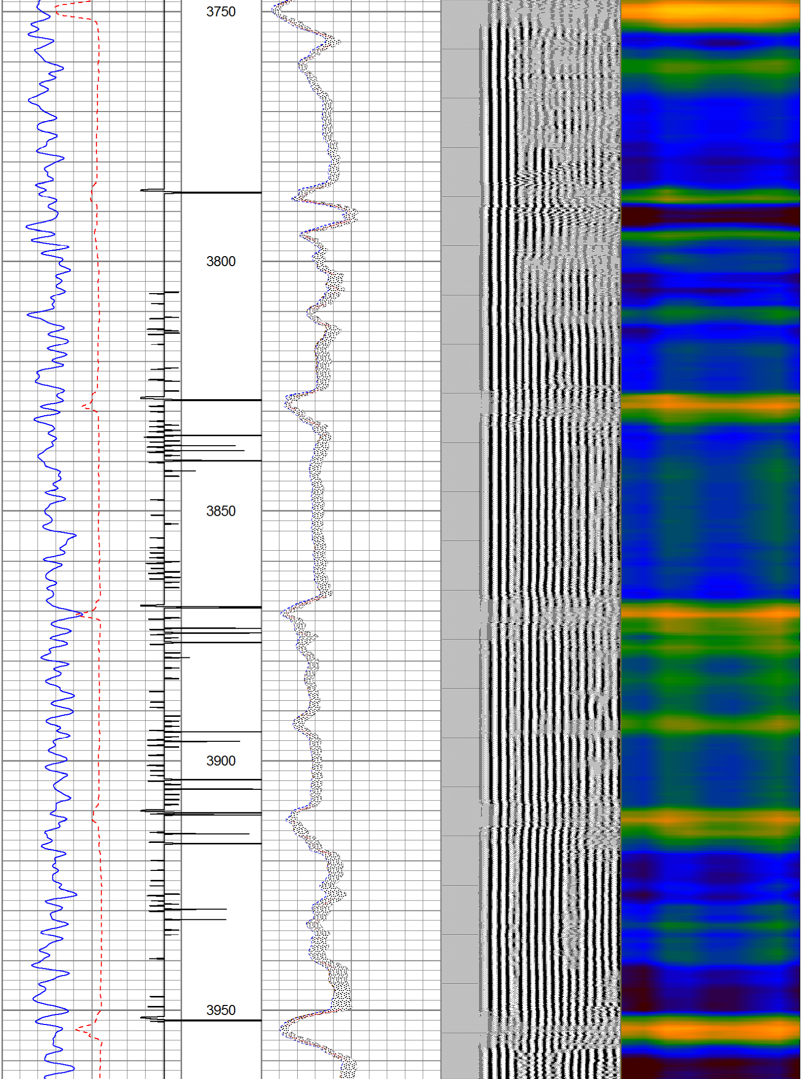
Elbert 12 Well Pad

<NORTH> X O O O O O O O O O O O <SOUTH>

X = Elbert 1N

|  |  |
|---|---|
| Database File: | pdce1n.db |
| Dataset Pathname: | pass1 |
| Presentation Format: | sector2 |
| Dataset Creation: | Mon Sep 11 22:37:58 2017 by Log 7.0 B1 |
| Charted by: | Depth in Feet scaled 1:240 |

| Track 1 | Track 2 | Track 3 | Track 4 | Track 5 |
|---|---|---|---|---|
| 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 |  |  |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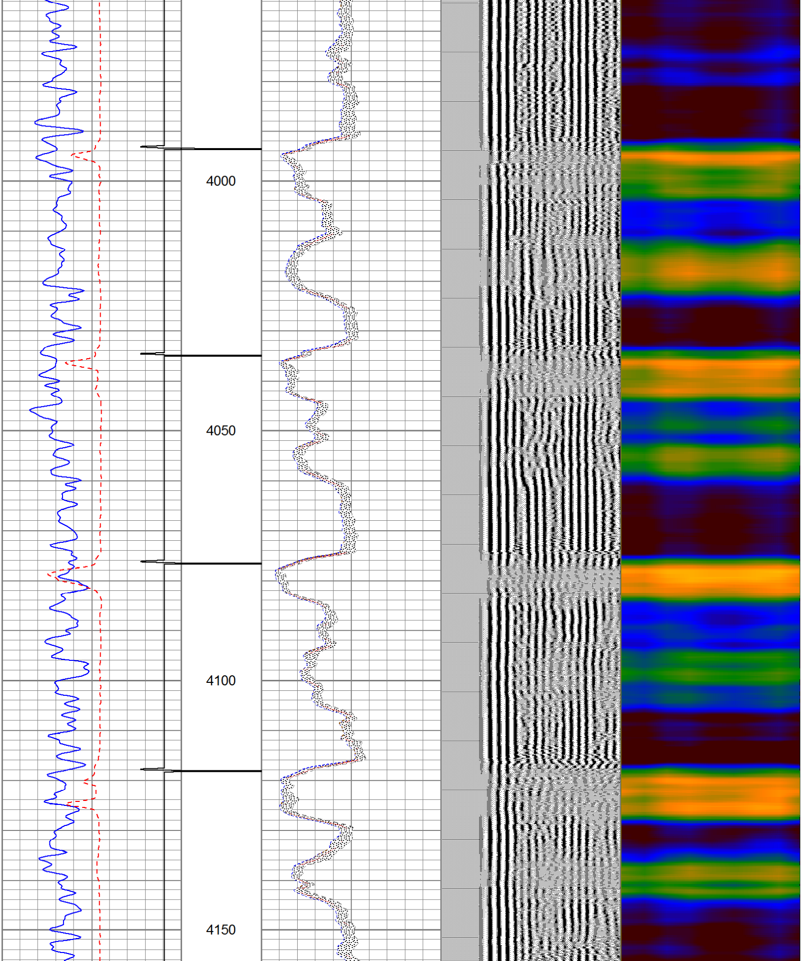
3900
3950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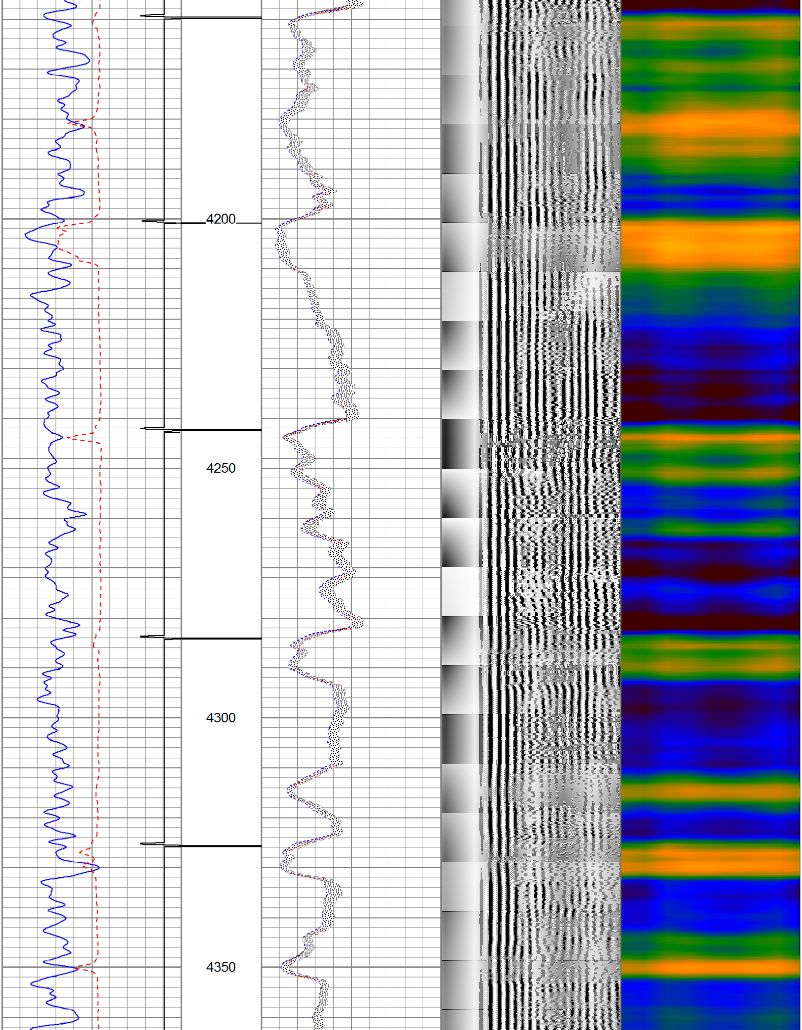

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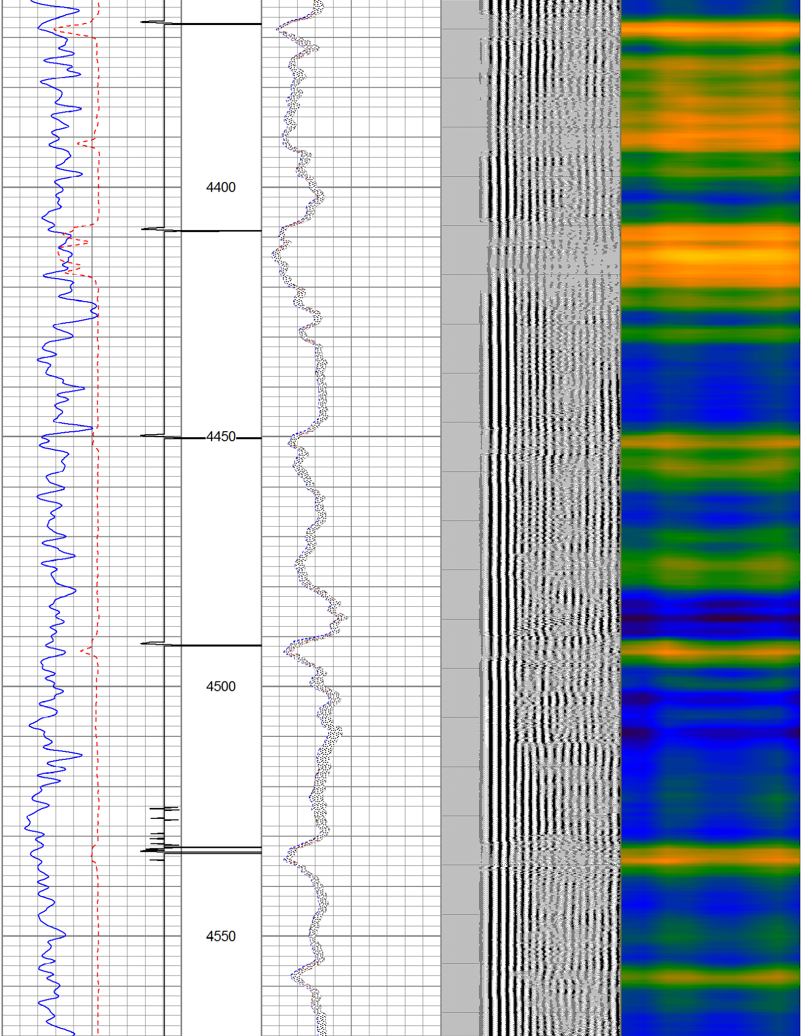
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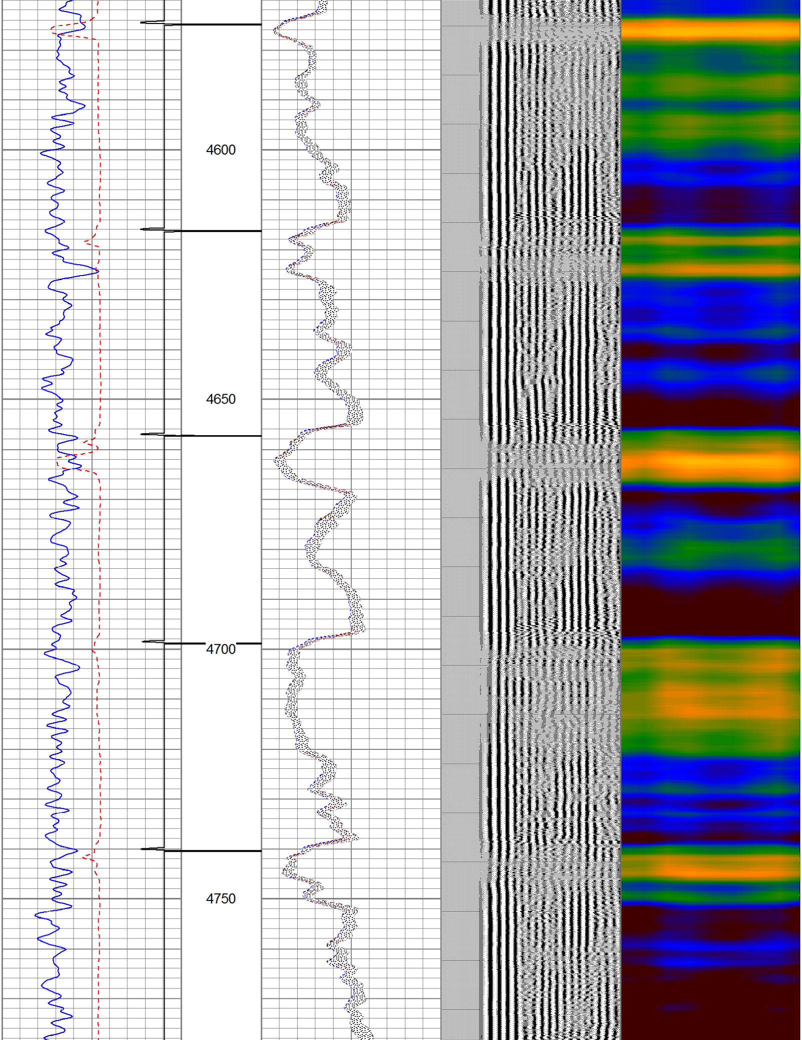
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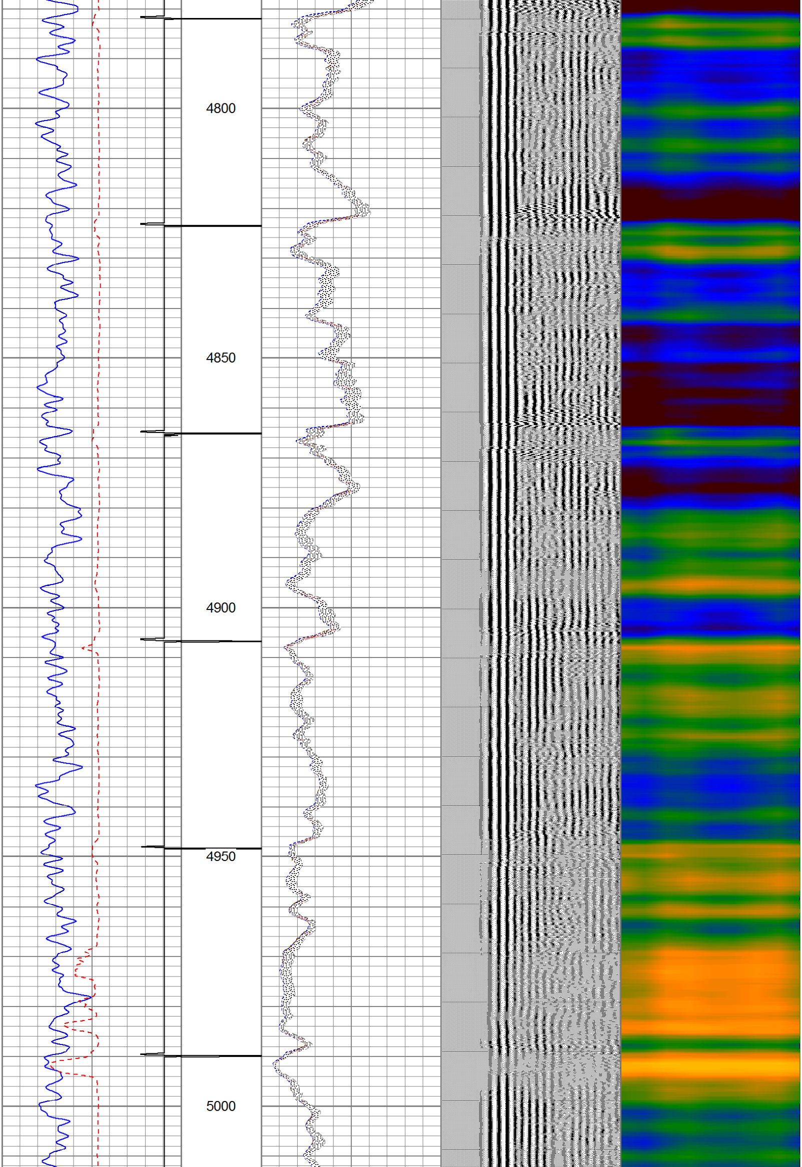
4700
4750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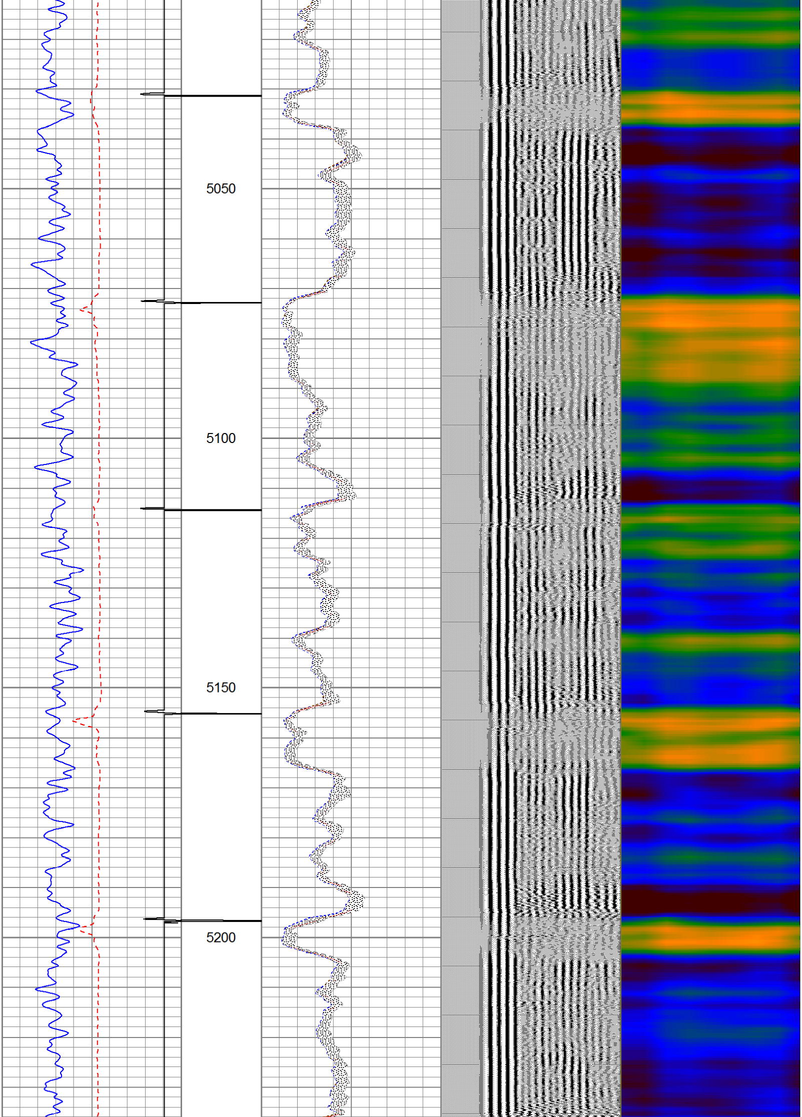
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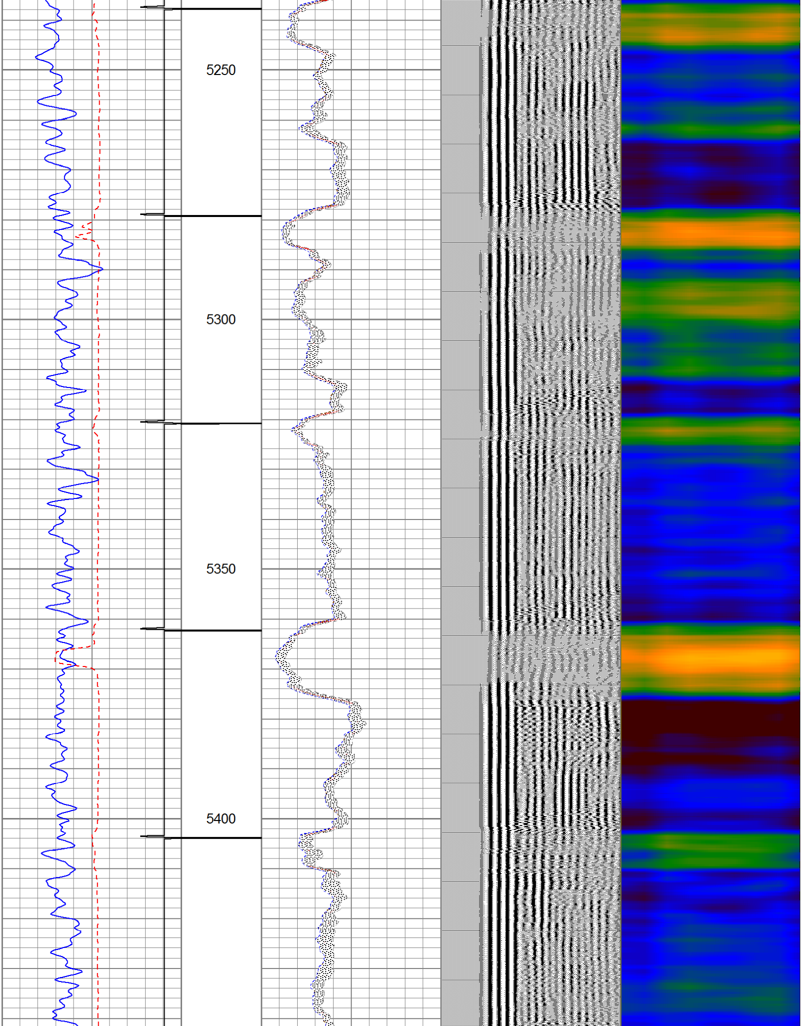
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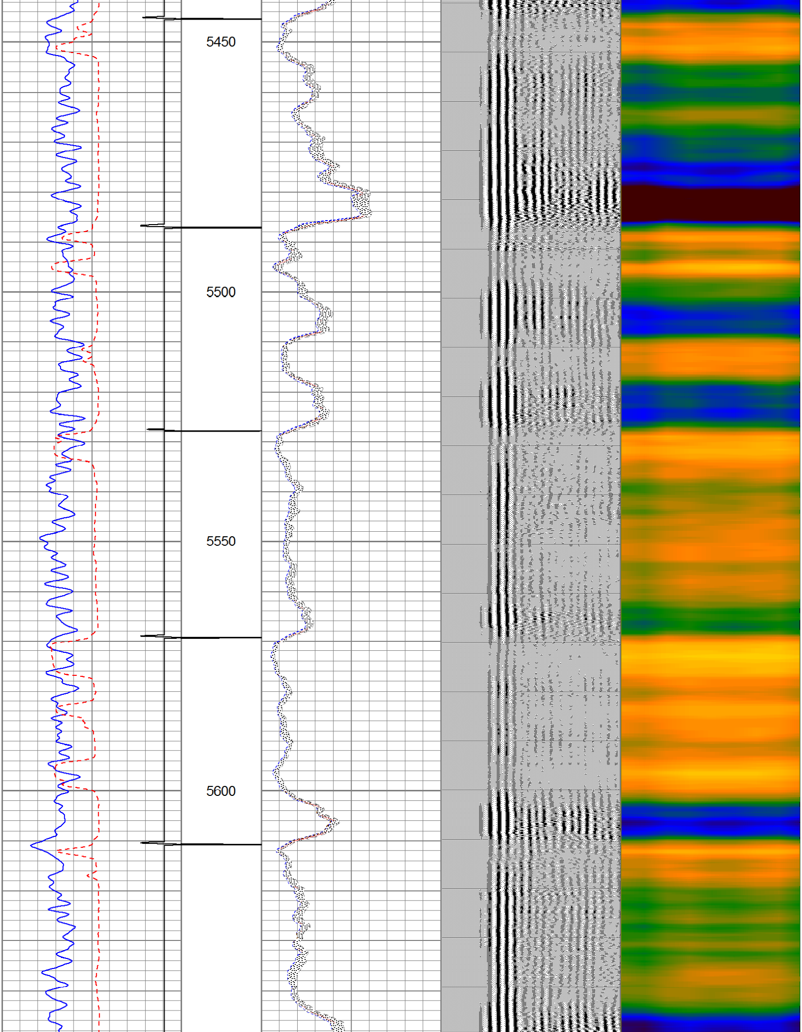
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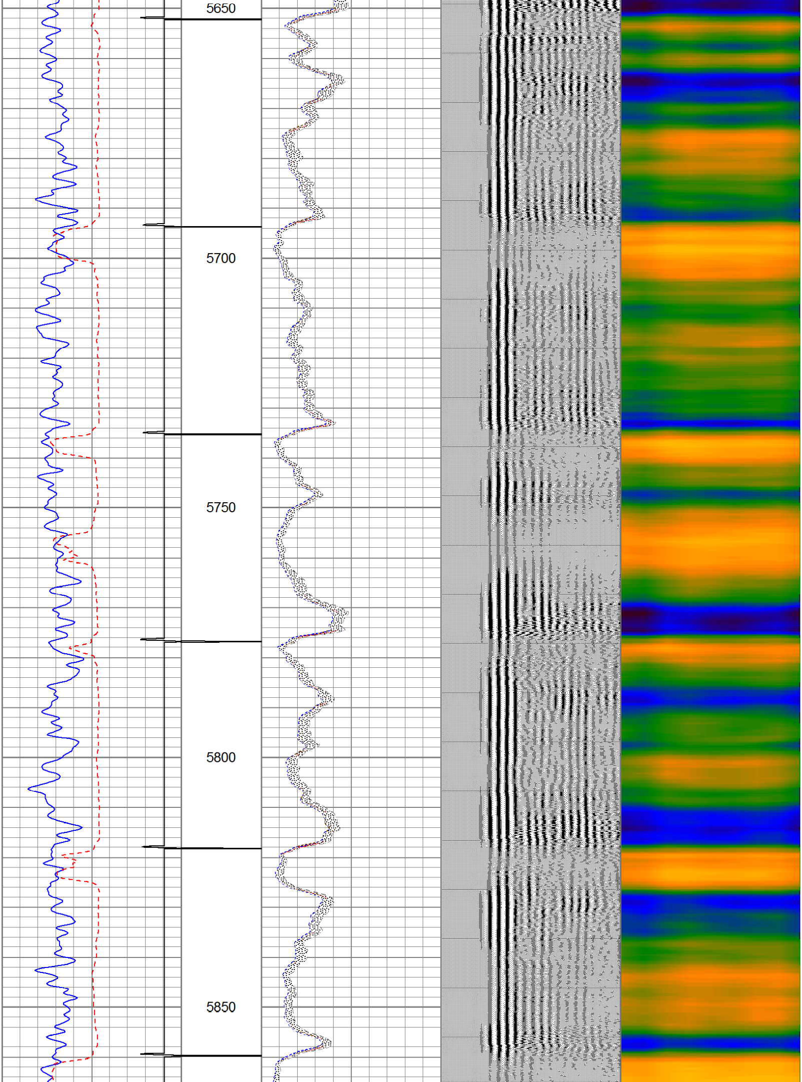
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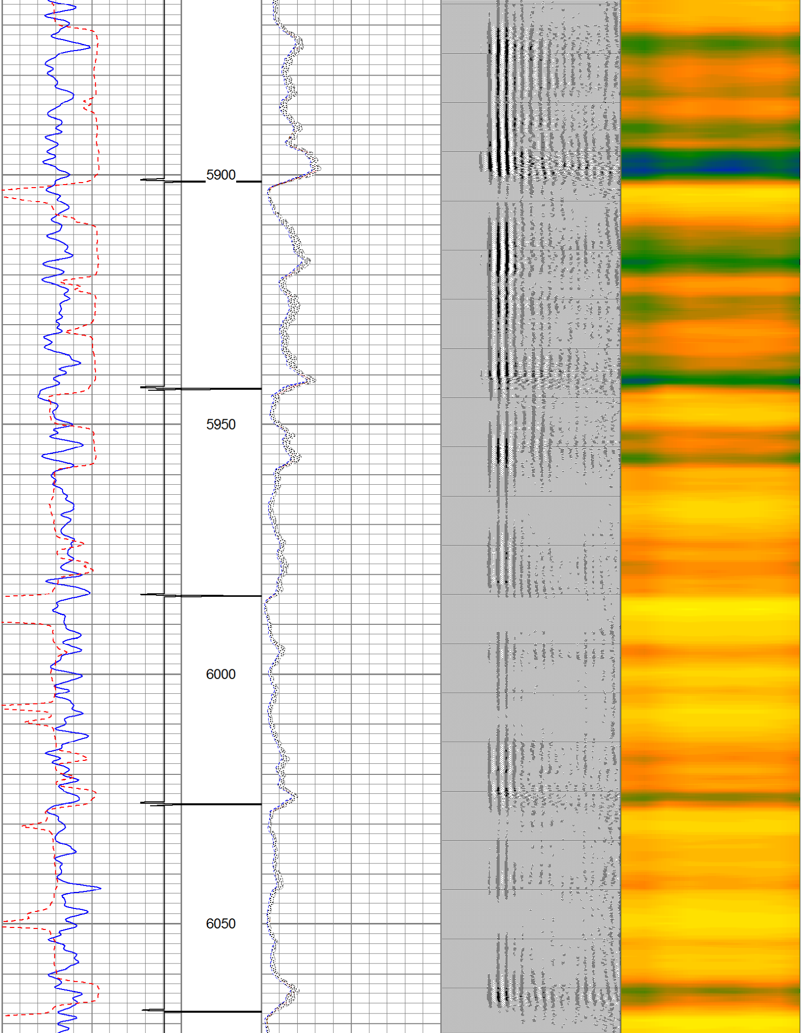
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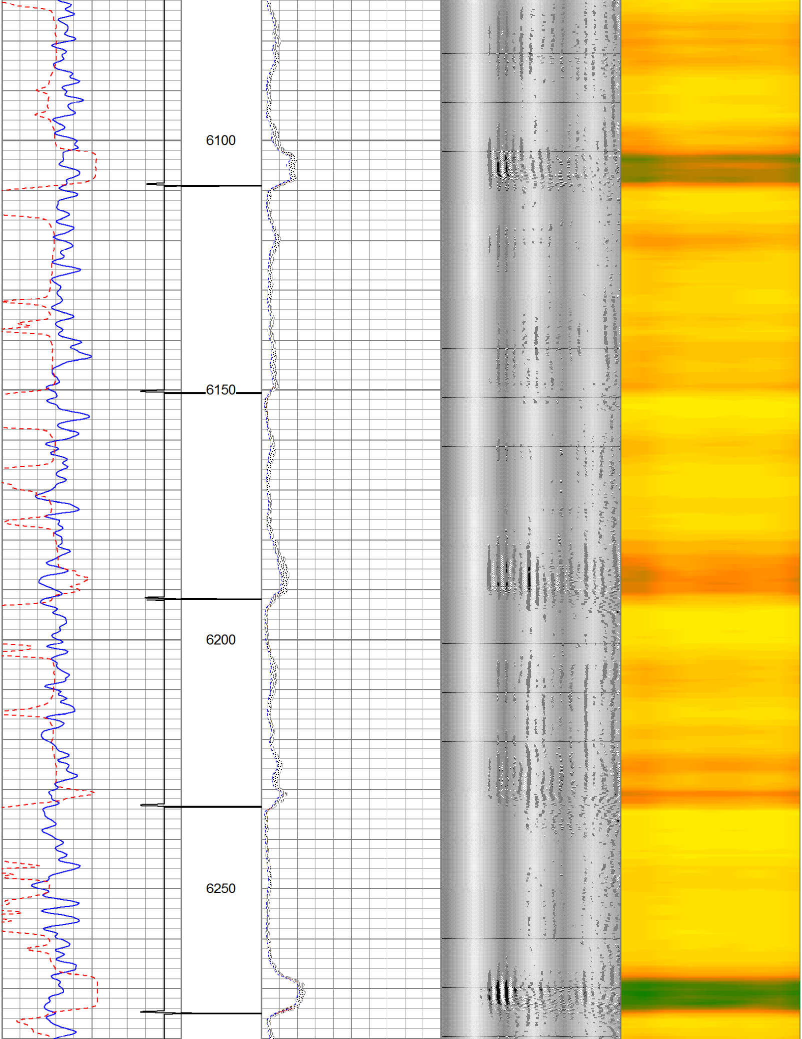
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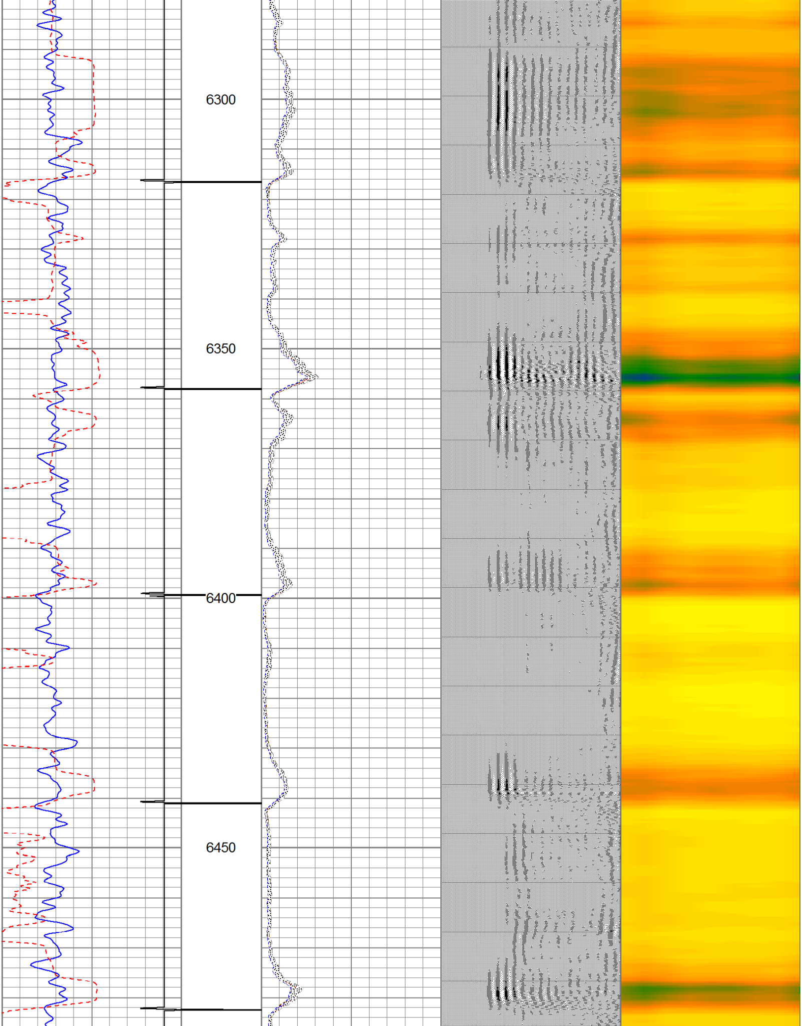
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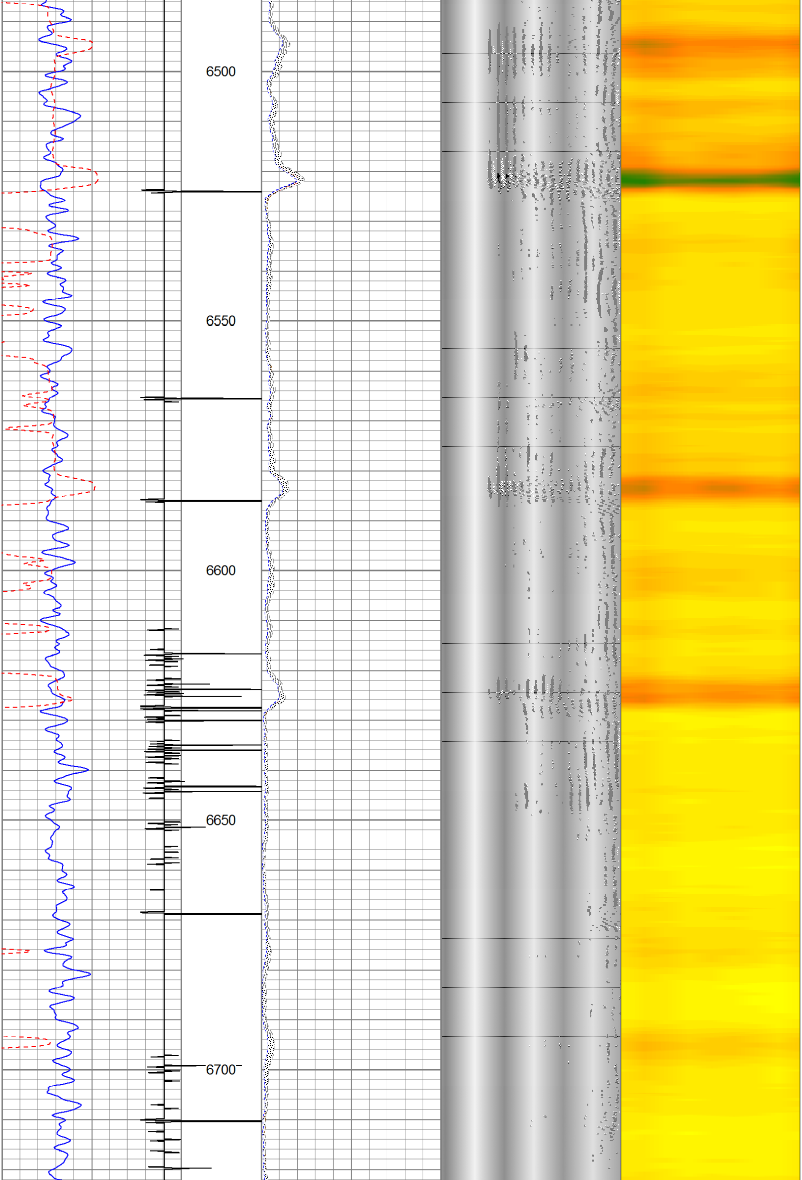
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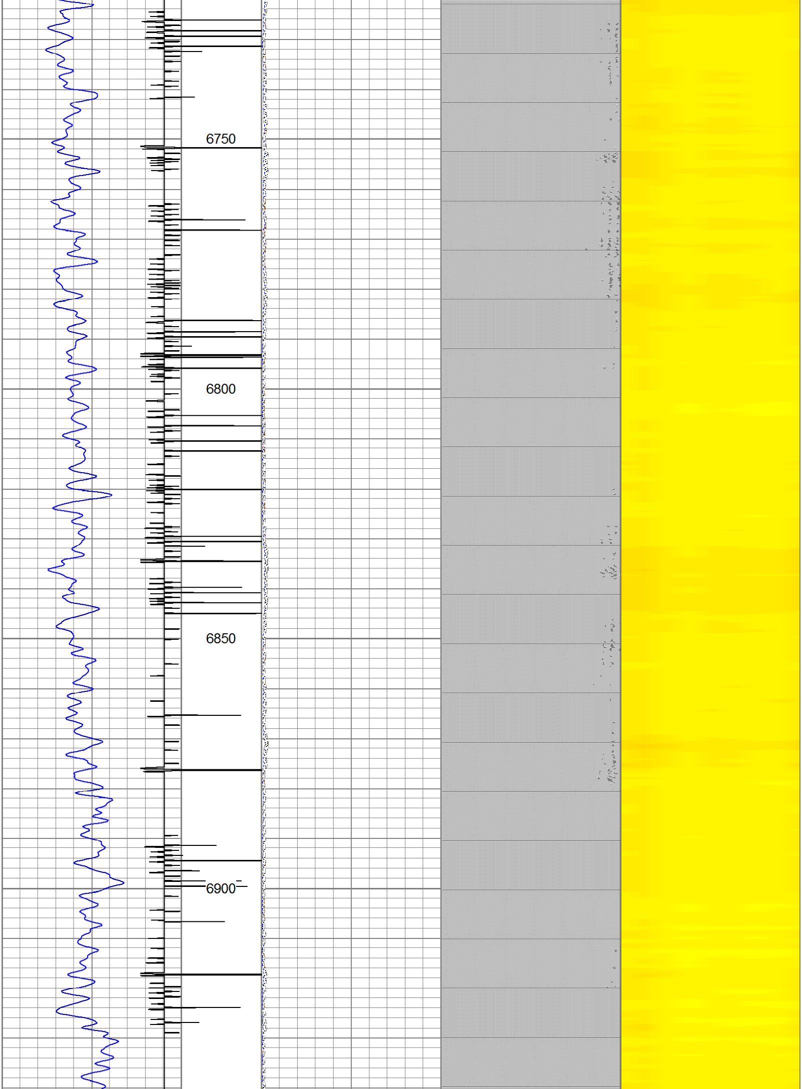
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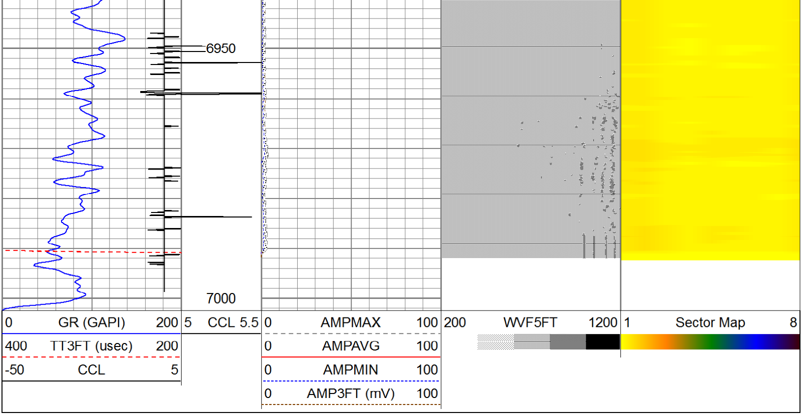
6900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7000
0 GR (GAPI) 200
400 TT3FT (usec) 200
-50 CCL 5
5 CCL 5.5
0 AMPMAX 100
0 AMPAVG 100
0 AMPMIN 100
0 AMP3FT (mV) 100
200 WVF5FT 1200
1 Sector Map 8