# SECTOR BOND LOG

PIONEER
Pioneer Energy Services

|  |  |
|---|---|
| Company | ANADARKO PETROLEUM CORPORATION |
| Well | HENRICKSON 13N-18HZ |
| Field | WATTENBERG |
| County | WELD |
| State | COLORADO |

Company ANADARKO PETROLEUM CORPORATION
Well HENRICKSON 13N-18HZ
Field WATTENBERG
County WELD State COLORADO

Location: API #: 05123376740000
SHL: 1706' FSL X 814' FWL
BHL: 460' FSL X 1684' FWL
SEC 7 TWP 3N RGE 66W

Other Services
GAUGE RING
XIPE

Permanent Datum GL Elevation 4794'
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4810'
D.F. 4809'
G.L. 4794'

|  |  |
|---|---|
| Date | OCT. 26, 2013 |
| Run Number | ONE |
| Depth Driller | 13,505' |
| Depth Logger | 6654' |
| Bottom Logged Interval | 6642' |
| Top Log Interval | SURFACE |
| Open Hole Size | 8.750" |
| Type Fluid | WATER |
| Density / Viscosity | NA |
| Max. Recorded Temp. | 227 DEG. F. |
| Estimated Cement Top | NA |
| Time Well Ready | ROA |
| Time Logger on Bottom | 2:26 PM |
| Equipment Number | 1 |
| Location | FORT MORGAN |
| Recorded By | RANDY AZEVEDO |
| Witnessed By | BRIAN JOLLY |

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

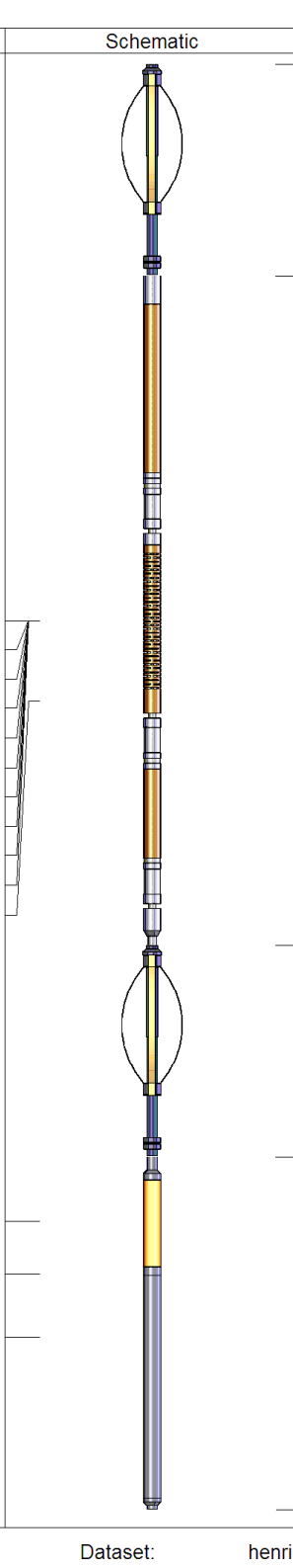
| Casing Record | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | 9 5/8 | 36# | SURFACE | 1000' |
| Prot. String |  |  |  |  |
| Production String | 7" | 26# | SURFACE | 7526' |
| Liner | 4.5" | 11.6# | 6553' | 13,495' |

<<< Fold Here >>>

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.

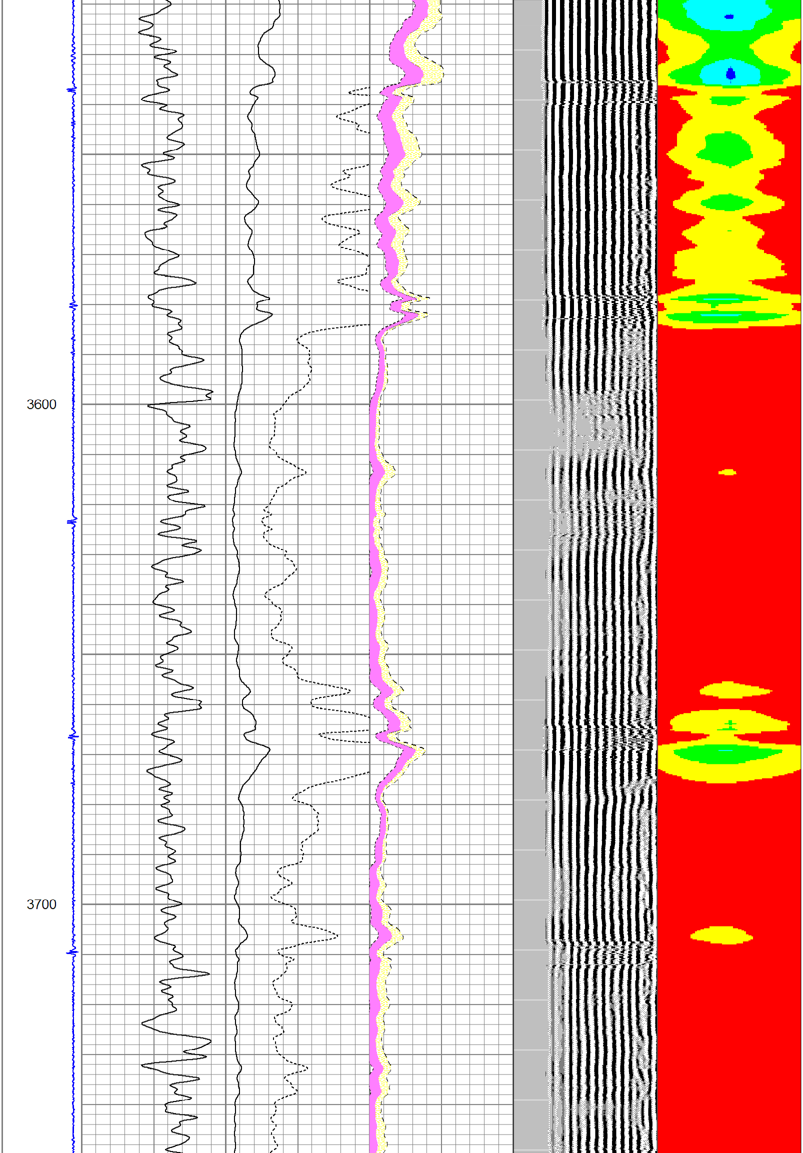
Comments

LOG CORRELATED TO PIPE TALLY FROM COMPANY REP @ 6553'
LOGGED UNDER 2800# PRESSURE
N
O
W O E
X
S
THANK YOU FOR USING PIONEER ENERGY SERVICES
SO# 2-204972

| Sensor | Offset (ft) | Schematic | Description | Len (ft) | OD (in) | Wt (lb) |
|---|---|---|---|---|---|---|
|  |  |  | PTS275 | 2.83 | 2.75 |  |
| WVF3FT<br>WVFCAL<br>WVFS1<br>WVFS2<br>WVFS3<br>WVFS4<br>WVFS5<br>WVFS6<br>WVFS7<br>WVFS8<br>WVF5FT | 11.86<br>11.86<br>11.86<br>11.86<br>11.86<br>11.86<br>11.86<br>11.86<br>11.86<br>11.86<br>10.78 |  | RBT-Probe (Base)<br>Probe Radii Bond Tool with Digital Telemetry | 8.92 | 2.75 | 90.00 |
|  |  |  | PTS275 | 2.83 | 2.75 |  |
| CCL<br>TEMP<br>GR | 3.84<br>3.14<br>2.30 |  | GCT-GRCCLTEMP (130608)<br>Probe GCT | 4.69 | 2.75 | 100.00 |

| | |
|---|---|
| Dataset: | henrickson 13n-18hz rbl.db: field/well/run1/pass4 |
| Total Length: | 19.27 ft |
| Total Weight: | 190.00 lb |
| O.D. | 2.75 in |

| | |
|---|---|
| Database File: | henrickson 13n-18hz rbl.db |
| Dataset Pathname: | pass4 |
| Presentation Format: | scbl02 |
| Dataset Creation: | Sat Oct 26 14:25:28 2013 by Log SCH 120126 |
| Charted by: | Depth in Feet scaled 1:240 |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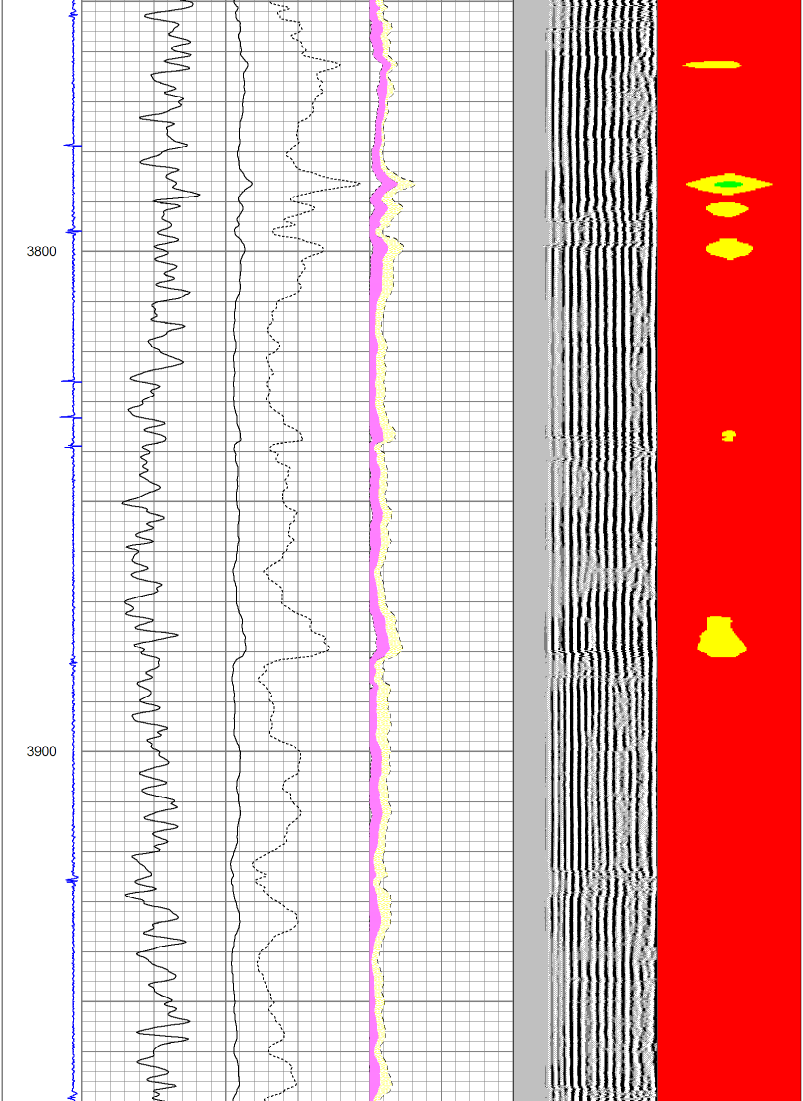
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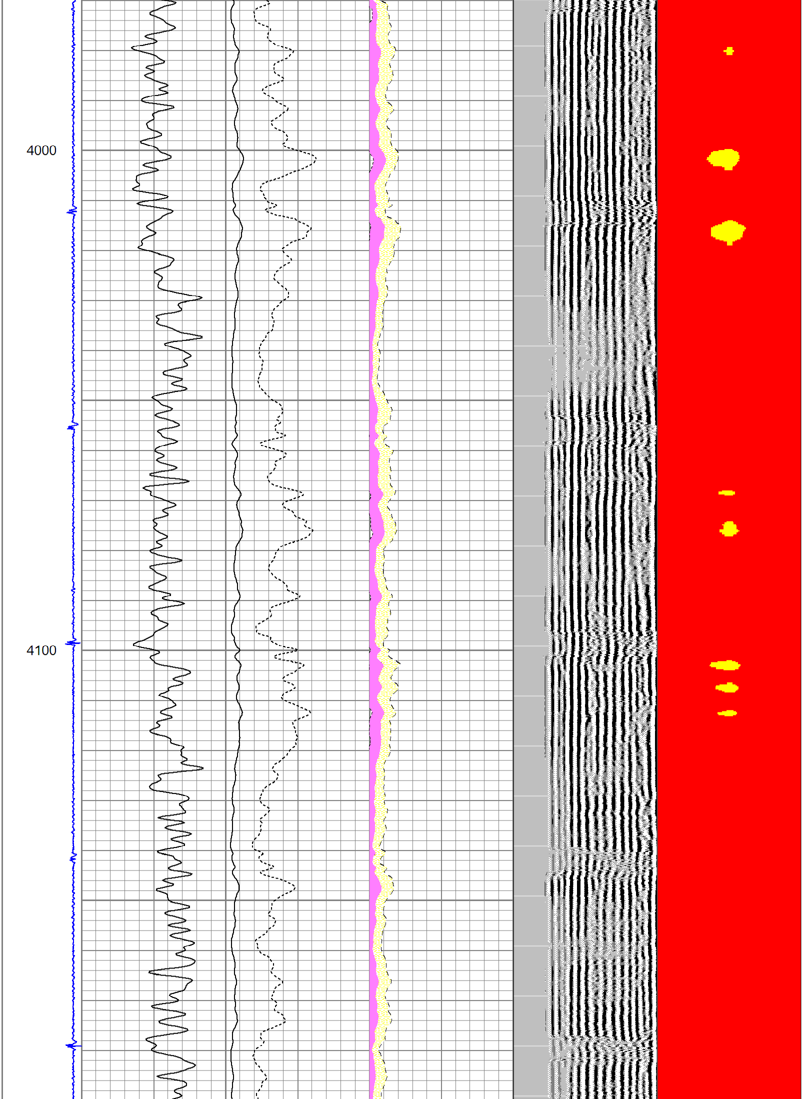
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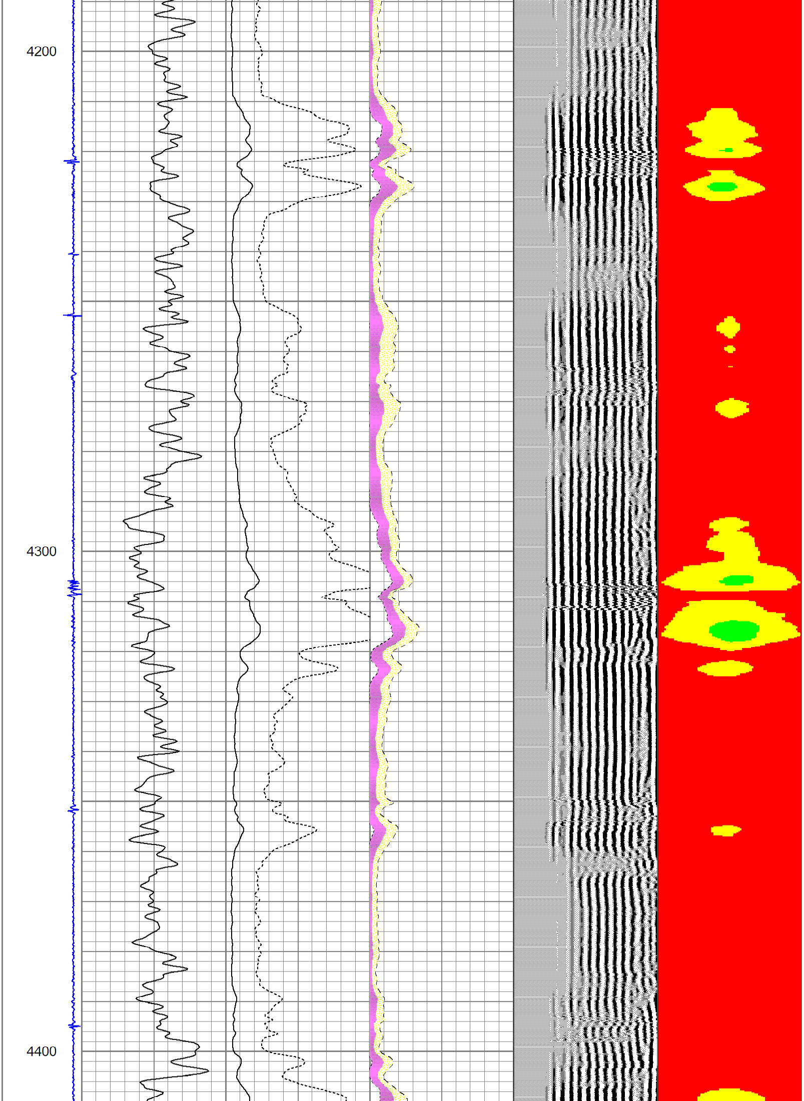
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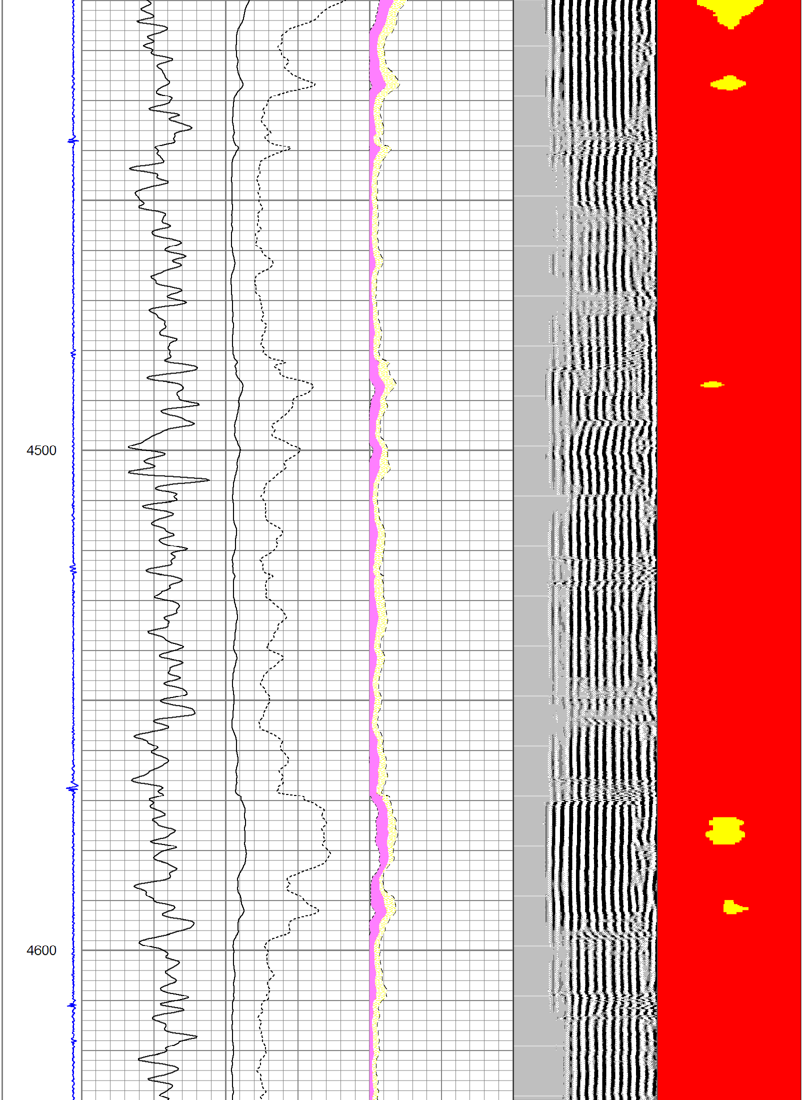
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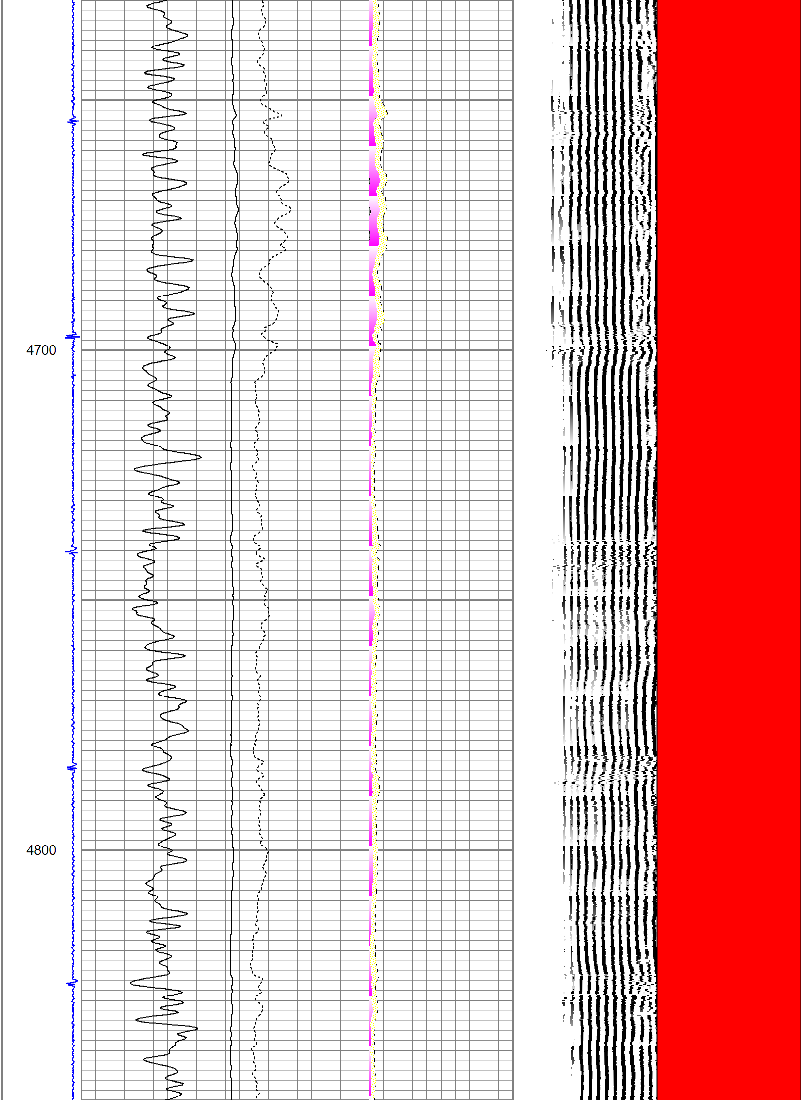

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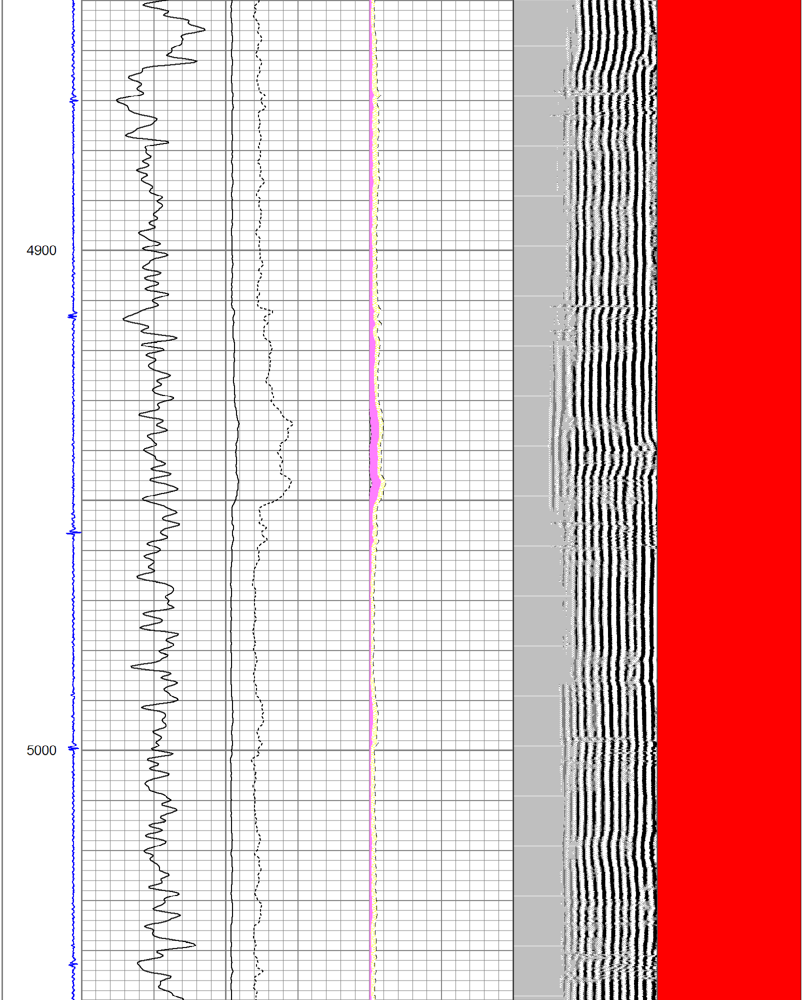
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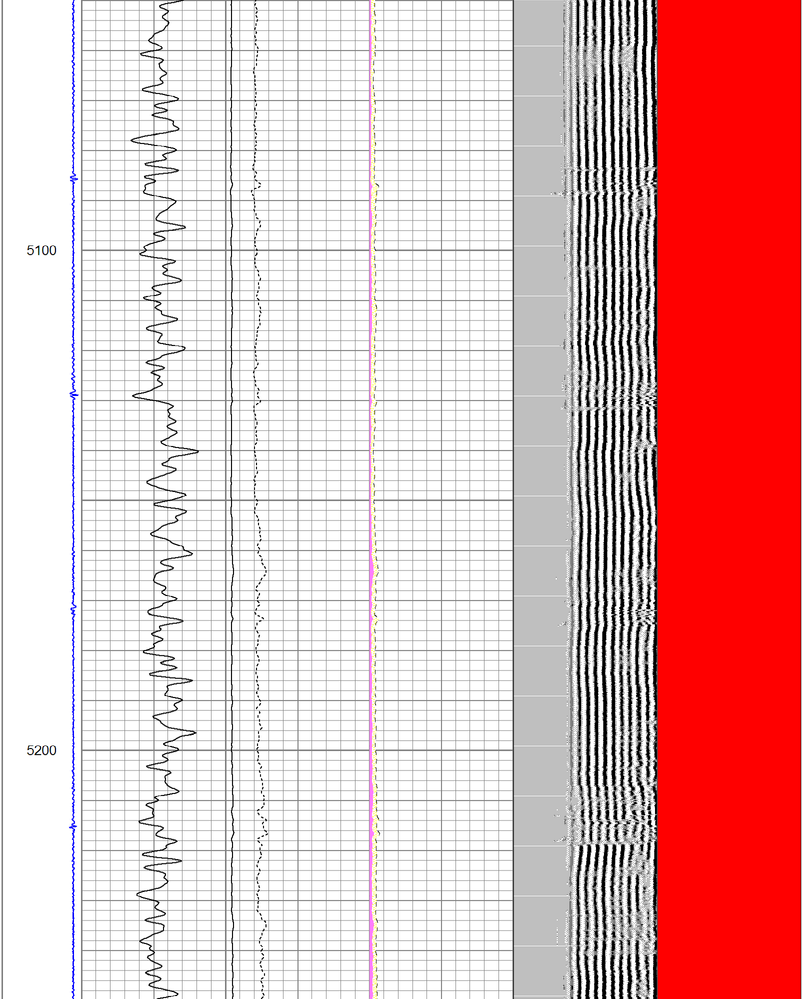
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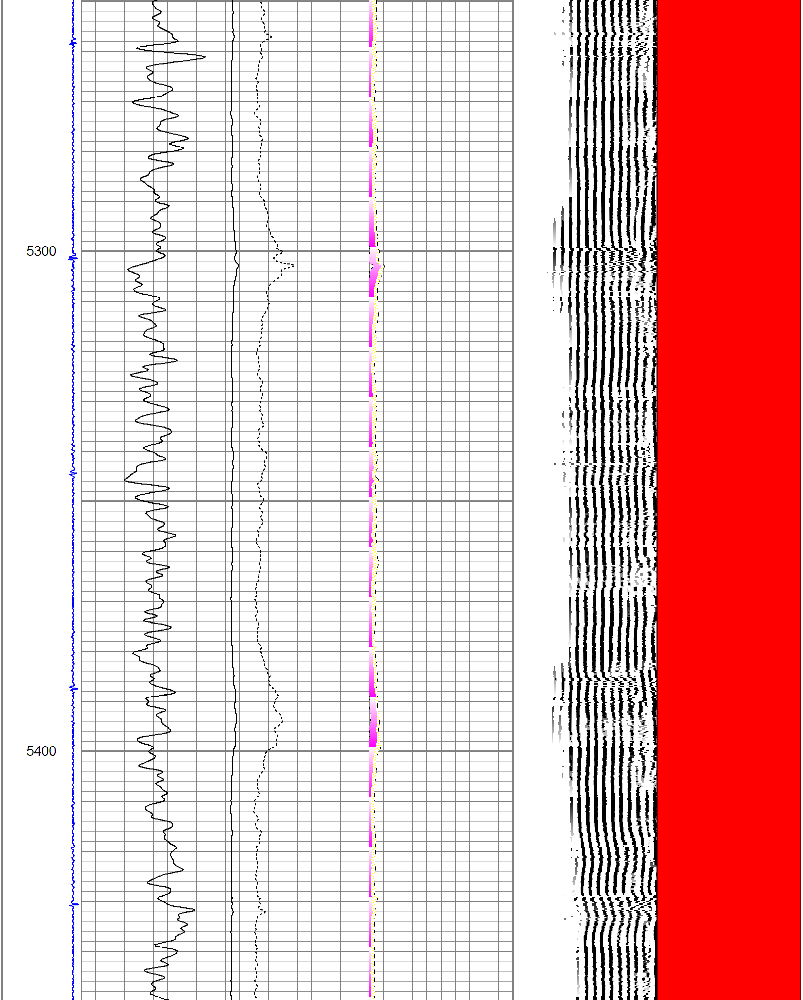
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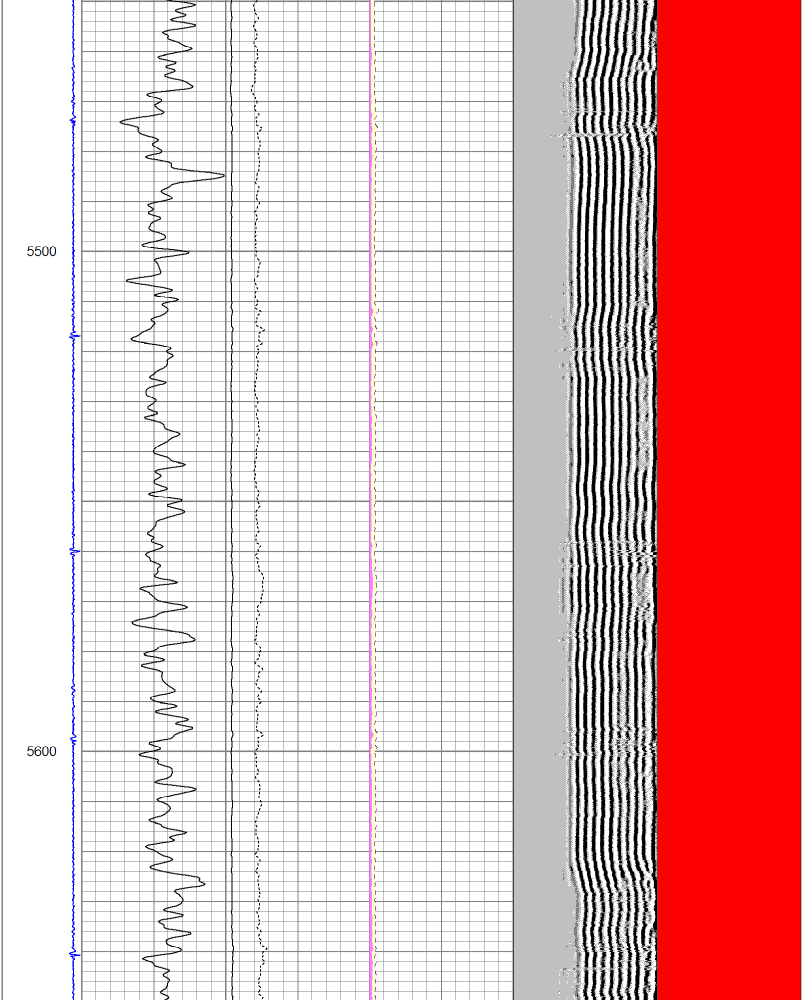
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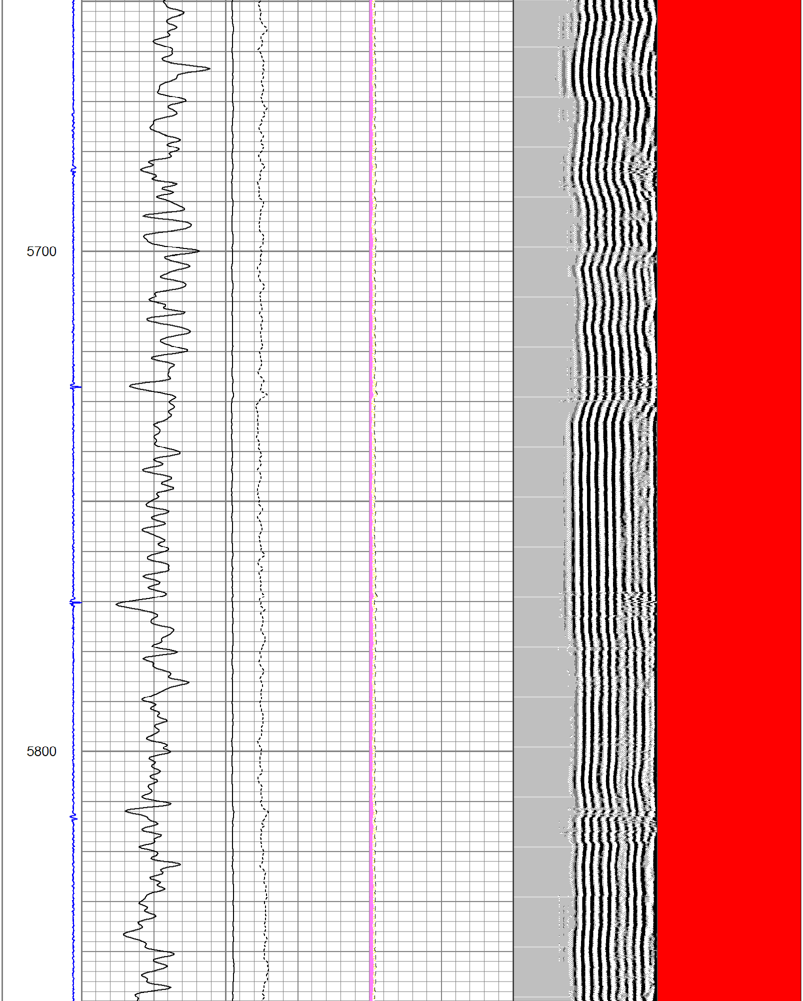
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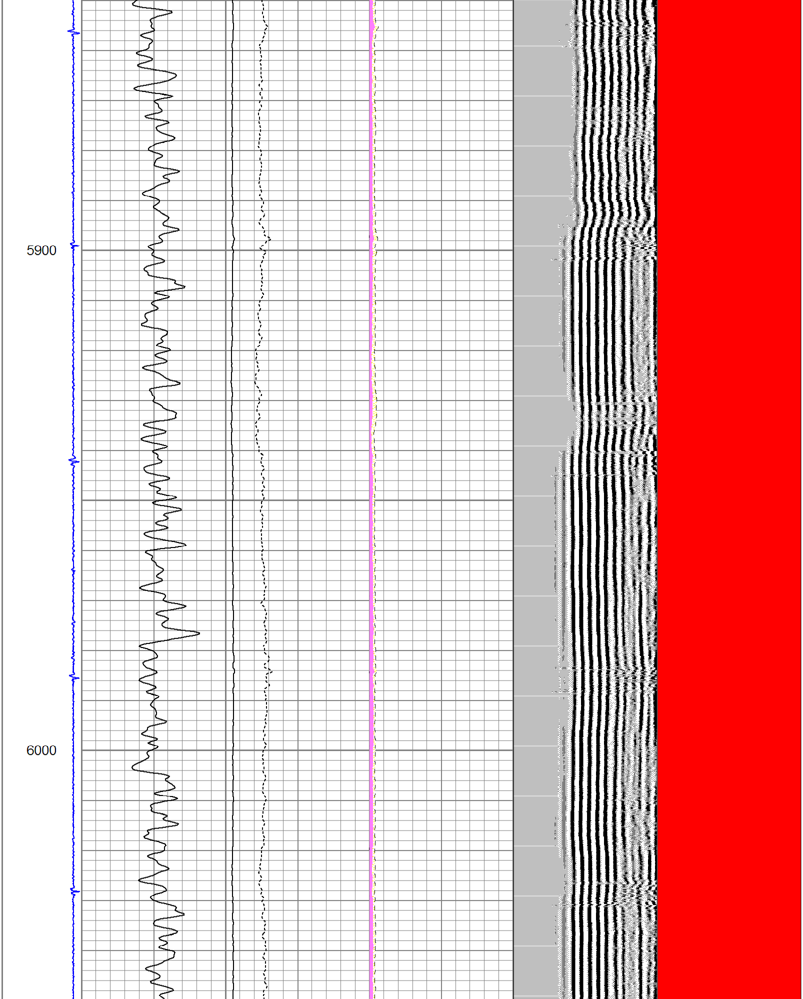
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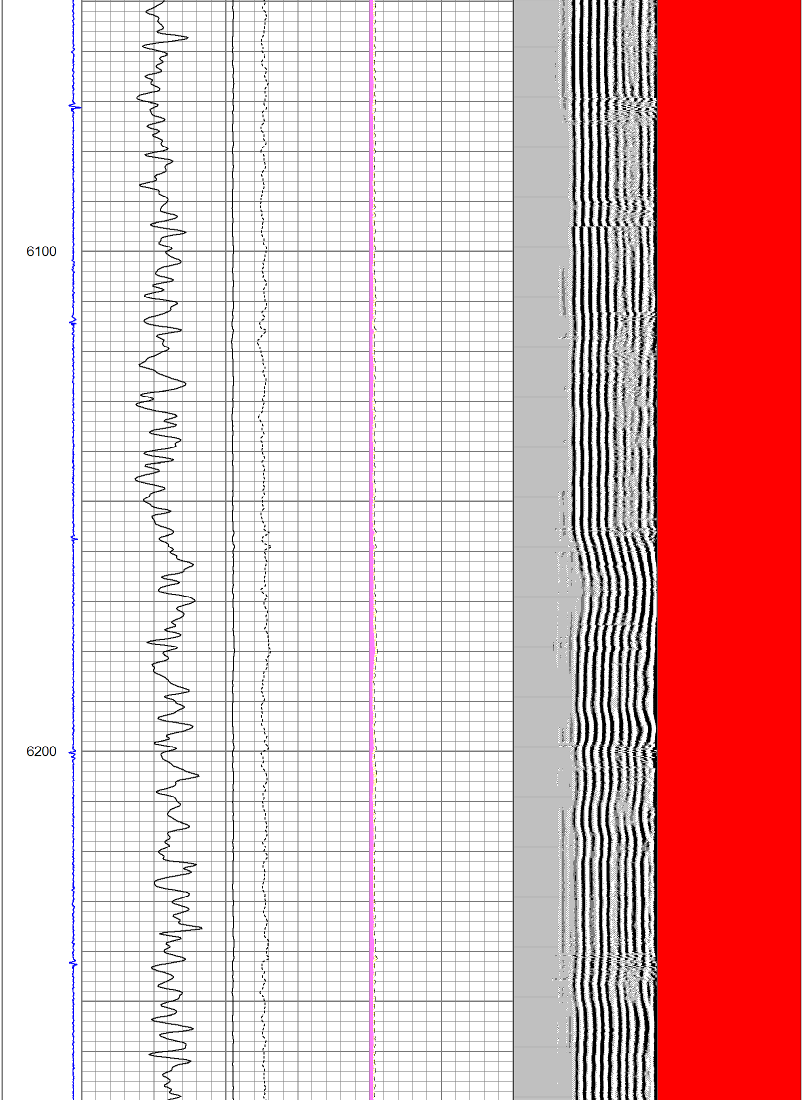
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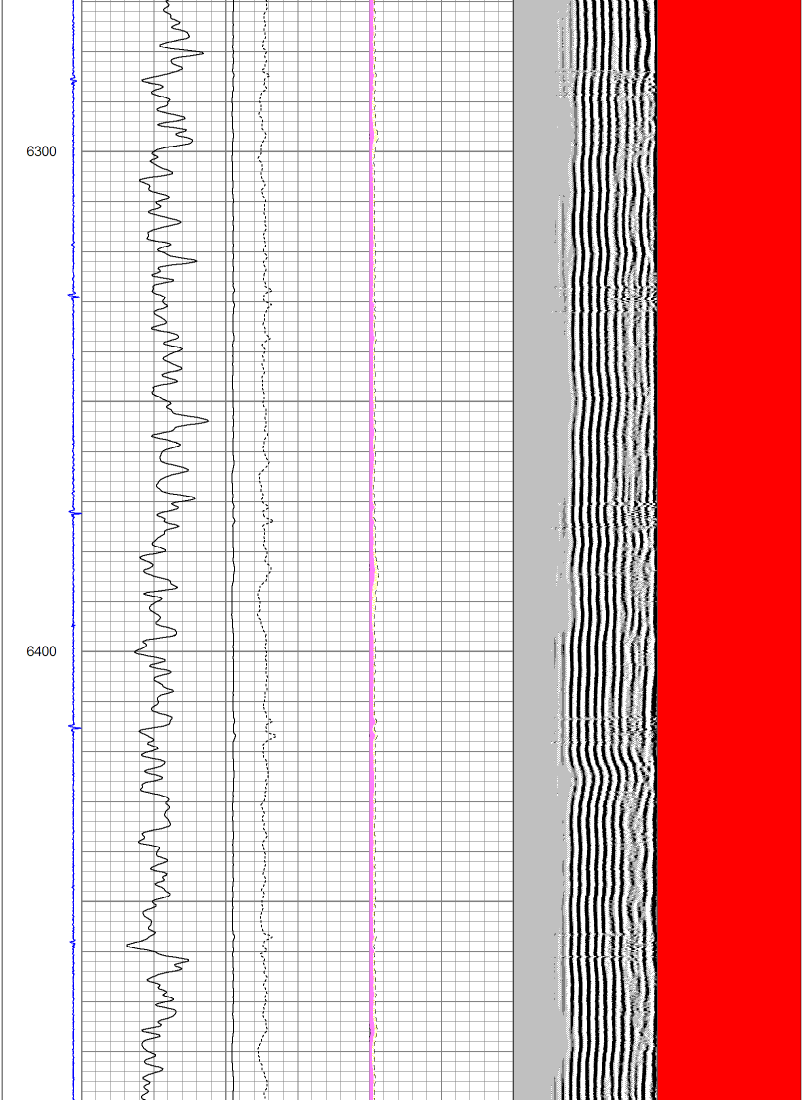
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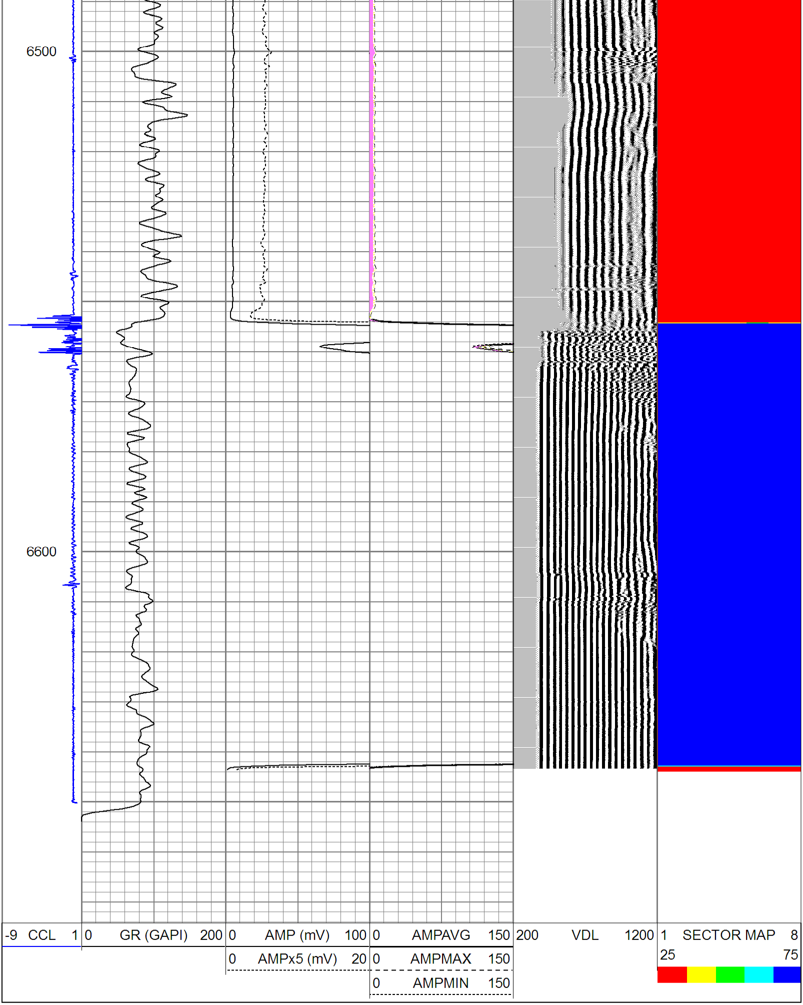
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6600
-9 CCL 1
0 GR (GAPI) 200
0 AMP (mV) 100
0 AMPx5 (mV) 20
0 AMPAVG 150
0 AMPMAX 150
0 AMPMIN 150
200 VDL 1200
1 SECTOR MAP 8
25
75