PIONEER

Pioneer Energy Services

# Computer Processed Interpretation

| | |
|---|---|
| Company | Toto Energy, LLC |
| Well | Baker #19-1 |
| Field | Jarvis Gas Area |
| County | Cowley |
| State | Kansas |
| API No. | 15-035-24,522-00-00 |
| Location | SE-SW 660' FSL & 1980' FWL |
| Sec: 19 | Twp: 33S Rge: 6E |
| Permanent Datum | Ground Level |
| Log Measured From | Kelly Bushing 11 Ft. Above Perm. Datum |
| Drilling Measured From | Kelly Bushing |
| Other Services | DIL/CNL/CDL MEL |
| Elevation | K.B. 1308 D.F. G.L. 1297 |

| Curve Definitions | |
|---|---|
| Date Recorded | 10/16/2013 |
| Depth Logger | 3599 |
| SW | Water Saturation |
| SXO | Water Saturation In The Flushed Zone |
| VCL | Volume Of Clay |
| PHIE | Density - Neutron Crossplot Shale Corrected |
| BVW | Bulk Volume Water |
| BVWSXO | Bulk Volume Water In Flushed Zone |
| DCAL | Caliper |
| SPC | SP Corrected For Baseline |
| DGA | Apparent Grain Density |
| Payflag | If: PHIE> 2 %, VCL< 40 %, SPC> -10 , SW< 50 % & DCAL< 11 |
| Recorded By | J. Henrickson |
| Witnessed By | Harley Sales |
| Analysis By | Dale Legleiter |

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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.

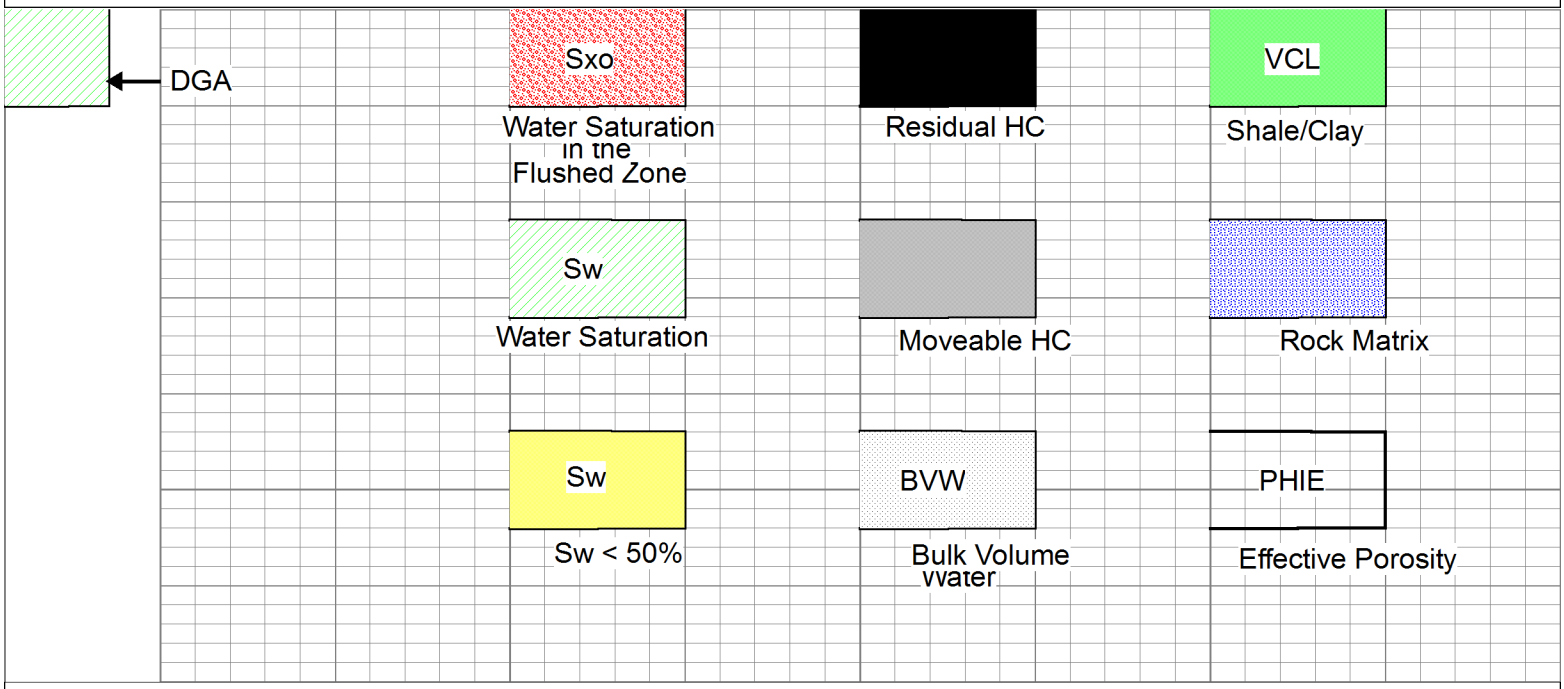
## Comments

Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858

Winfield Kansas
E to 151 Rd, 5 S, 3 E, 1 S, 1/2 E Into

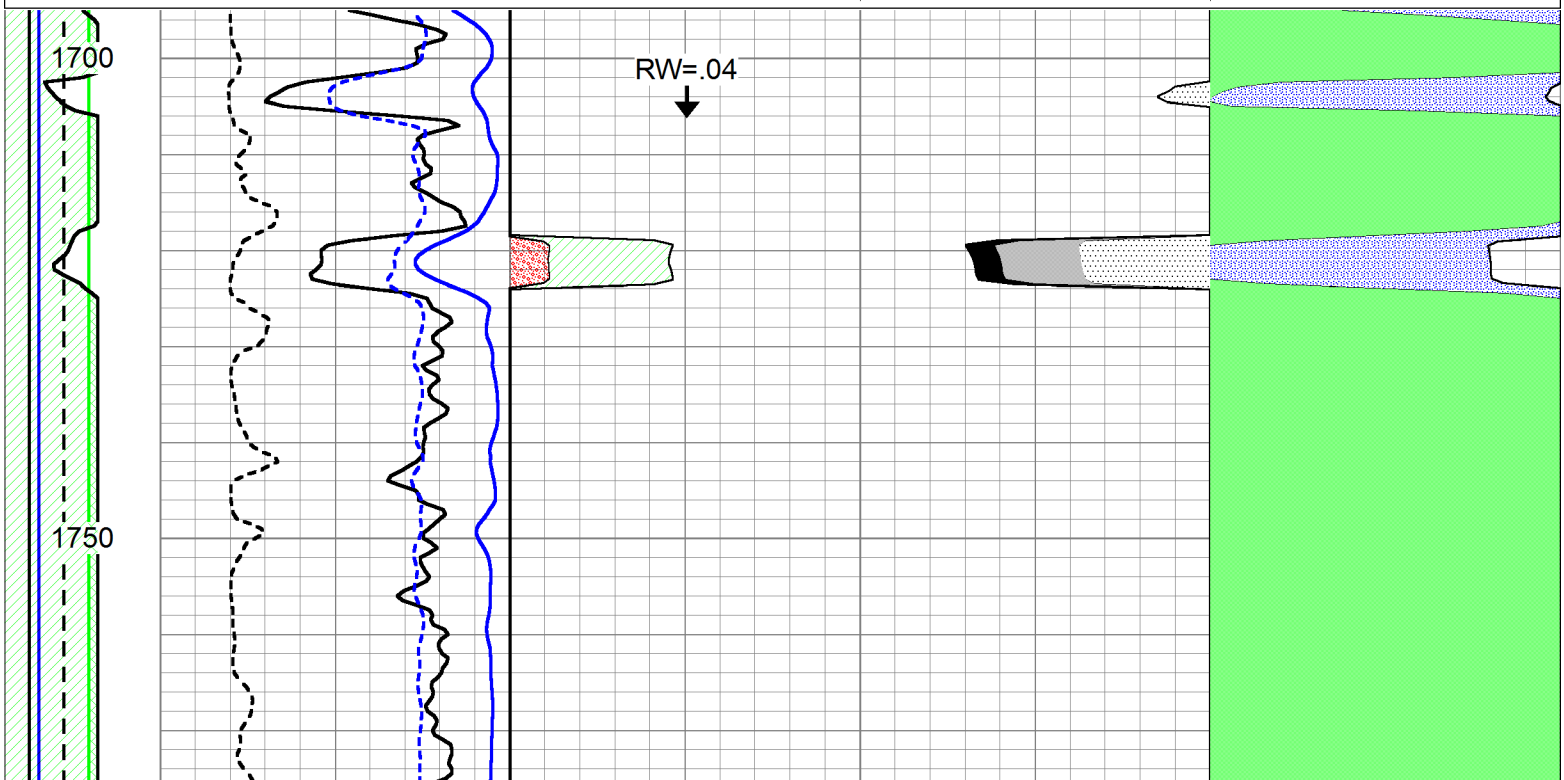
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| Dataset Pathname: | litho |
| Presentation Format: | 2wxplt |

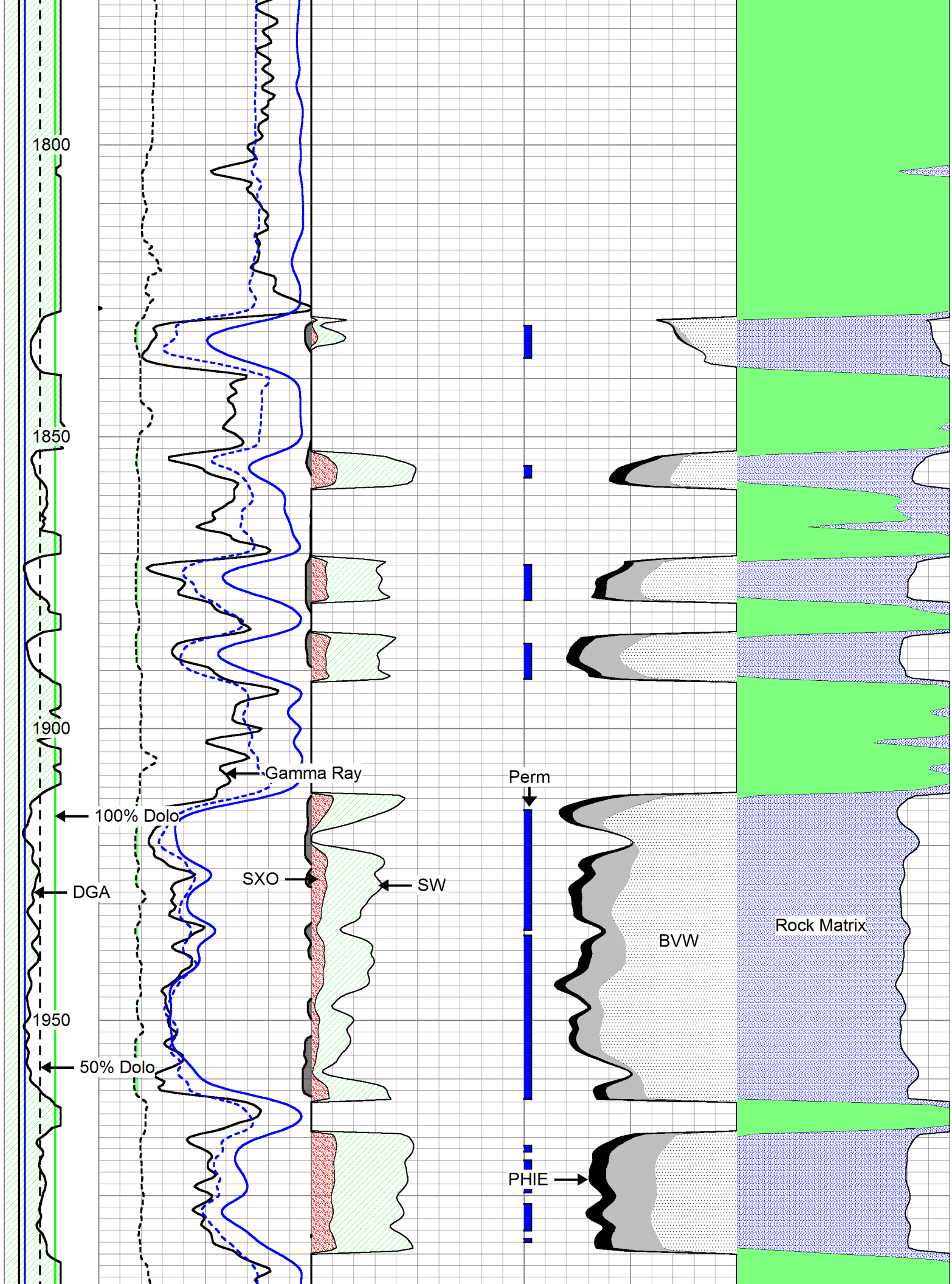
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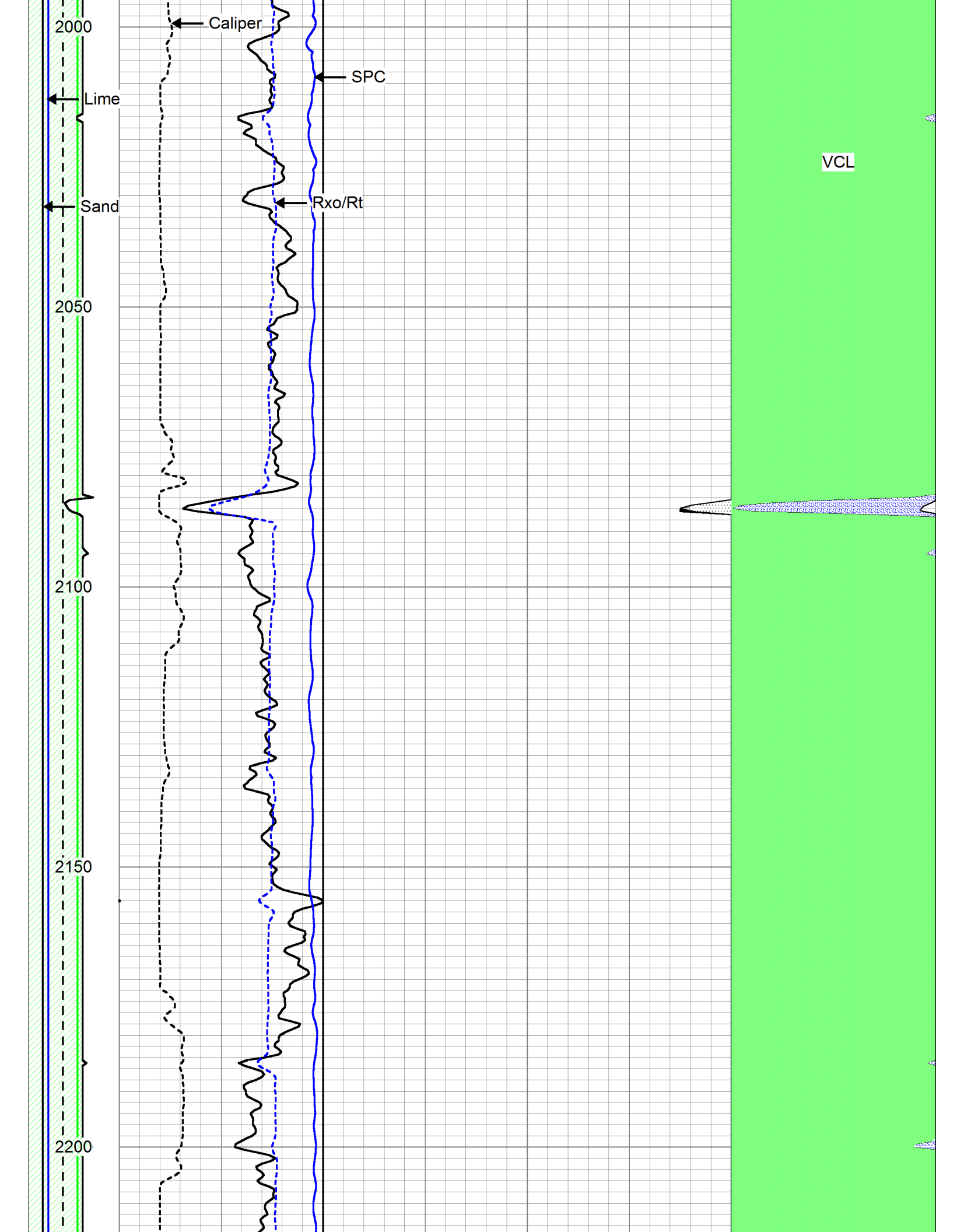


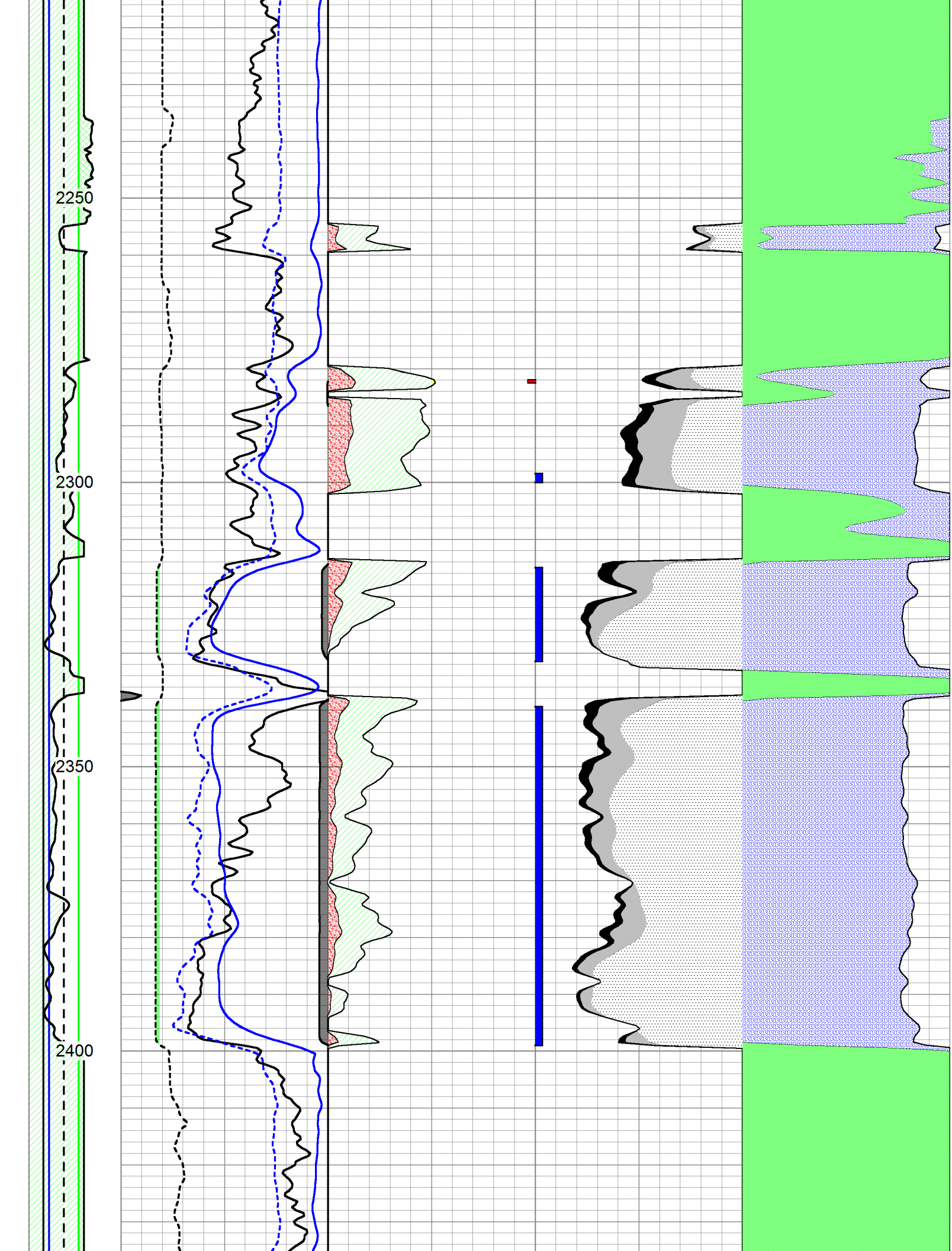

Database File: c:\warrior\data\toto energy_baker #19-1\toto_baker_19_1hd.db
Dataset Pathname: cpi/totocpi
Presentation Format: calc
Dataset Creation: Wed Oct 16 12:38:35 2013
Charted by: Depth in Feet scaled 1:240

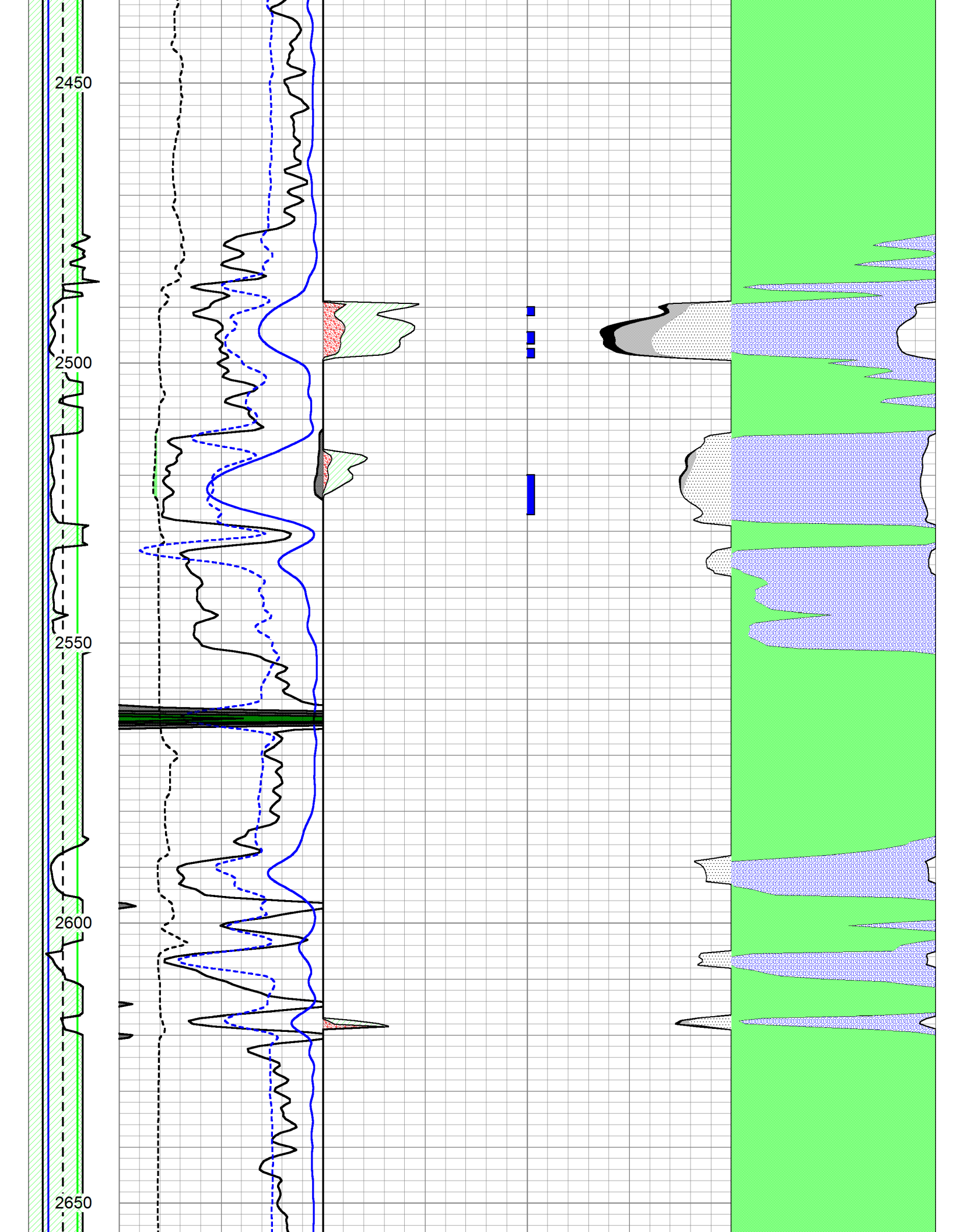
| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DGA | | 0 | Gamma Ray | 150 | 1 | SW | 0 | 0.3 | PHIE | 0 | 0 | VCL | 1 |
| 2.6 | 3.1 | 6 | DCAL | 16 | 30 | PAYFLAG | 0 | 0.3 | BVW | 0 | 1 | PHIE | 0 |
| | | -150 | SPC (mV) | 0 | 1 | SXO | 0 | 0 | PERM | 30 | | | |
| | | | | | | | | 0.3 | BVWSXO | 0 | | | |

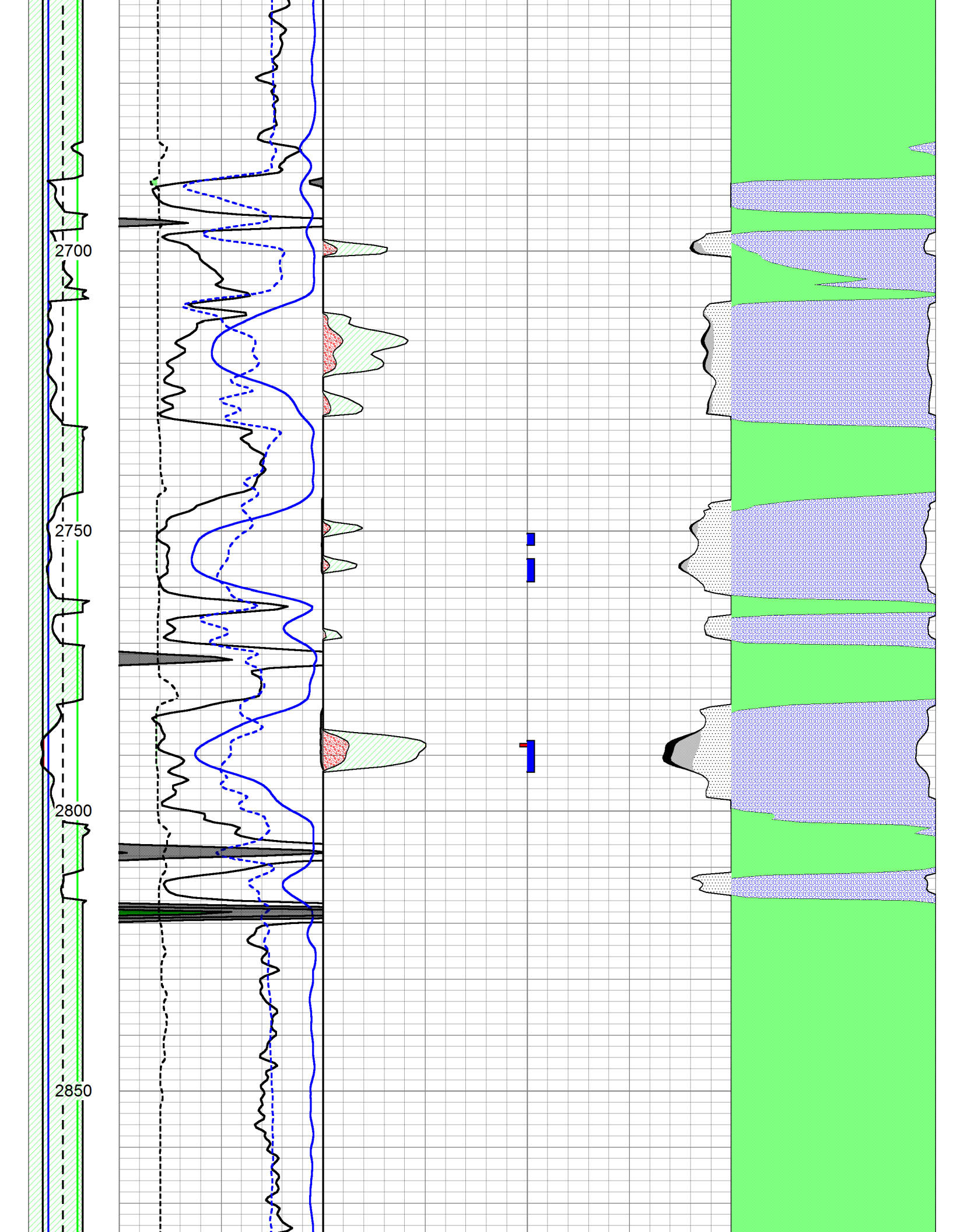


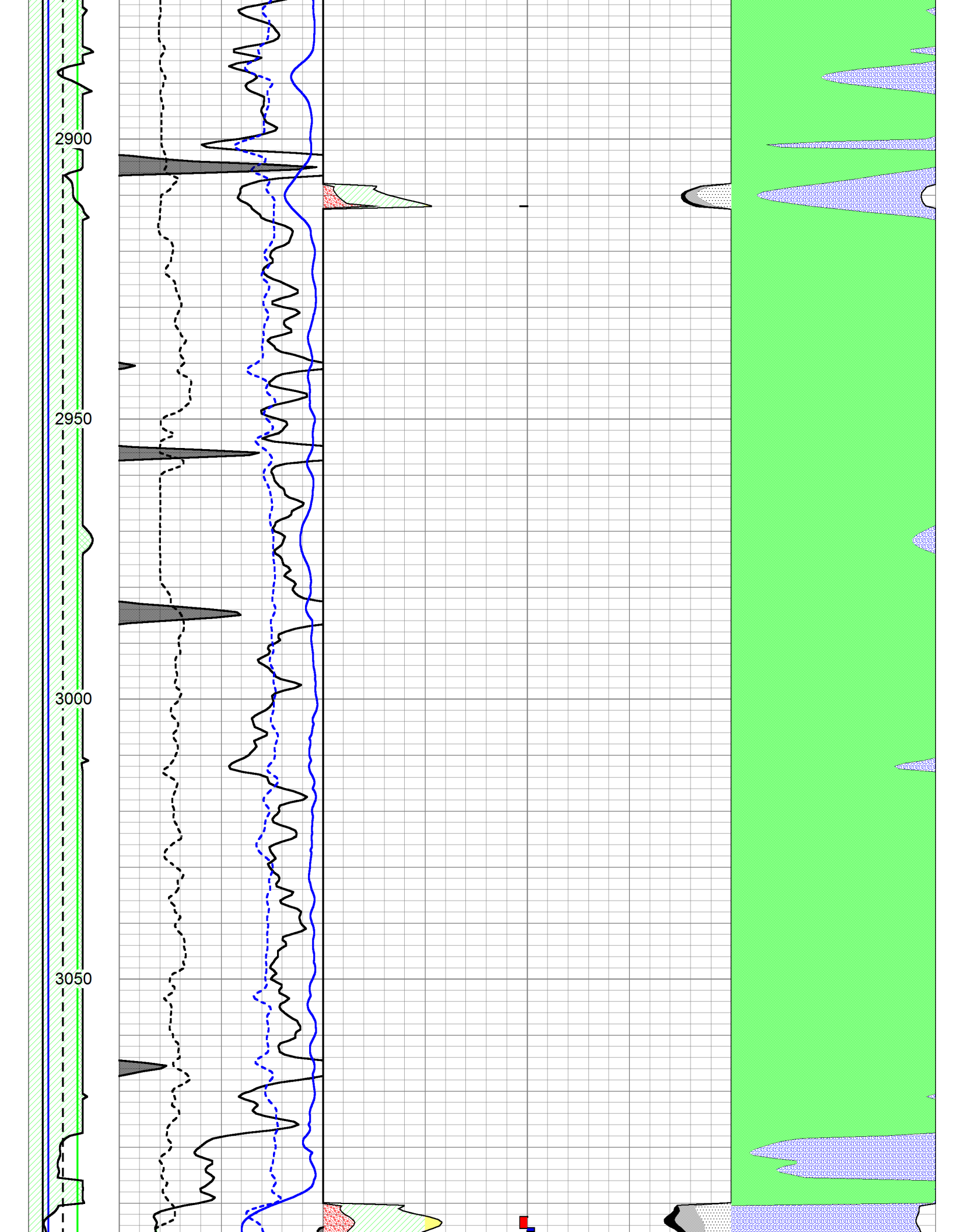

1800
1850
1900
1950
Gamma Ray
100% Dolo
DGA
SXO
SW
50% Dolo
Perm
BVW
Rock Matrix
PHIE

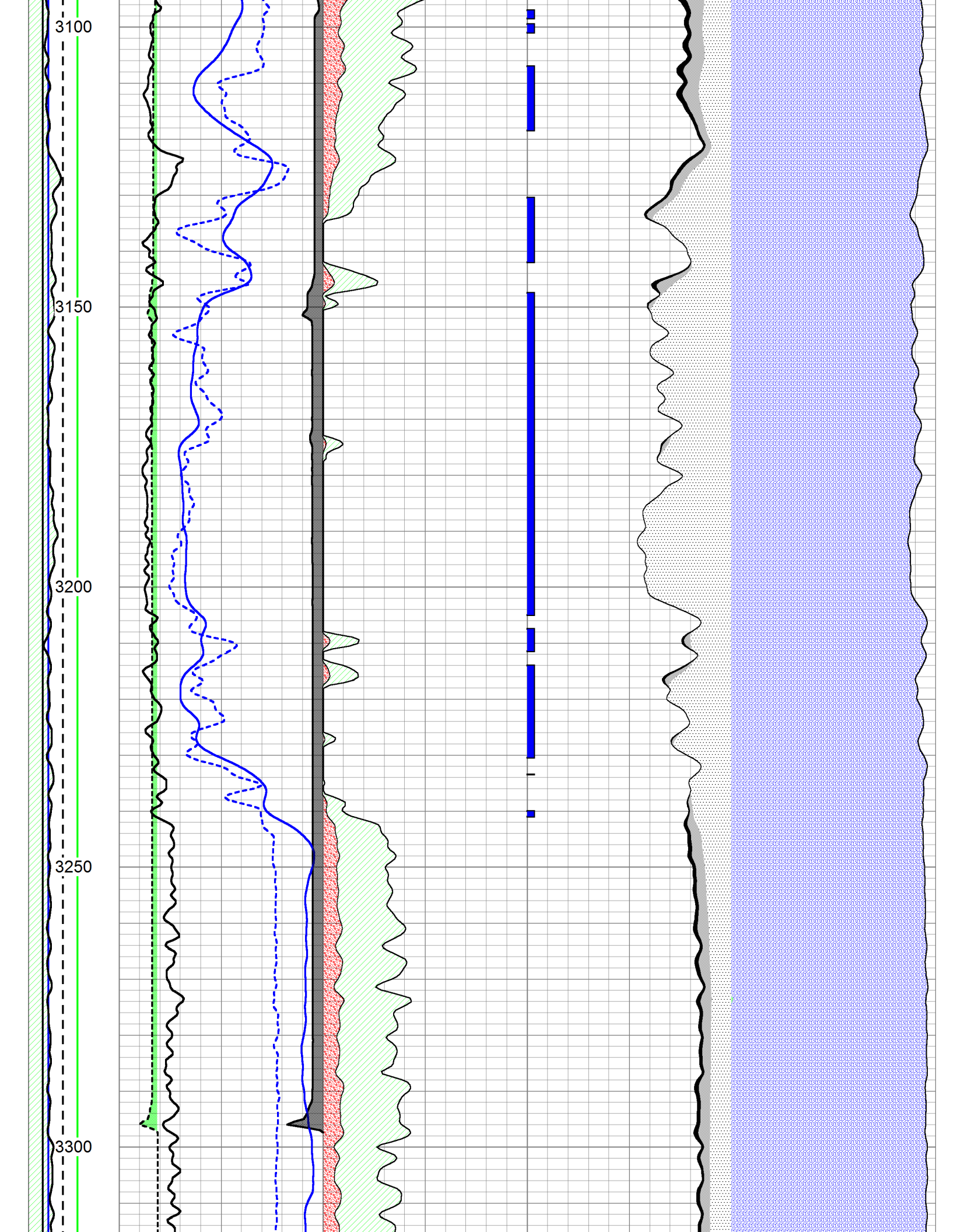

2000
Caliper
SPC
Lime
VCL
Sand
Rxo/Rt
2050
2100
2150
2200

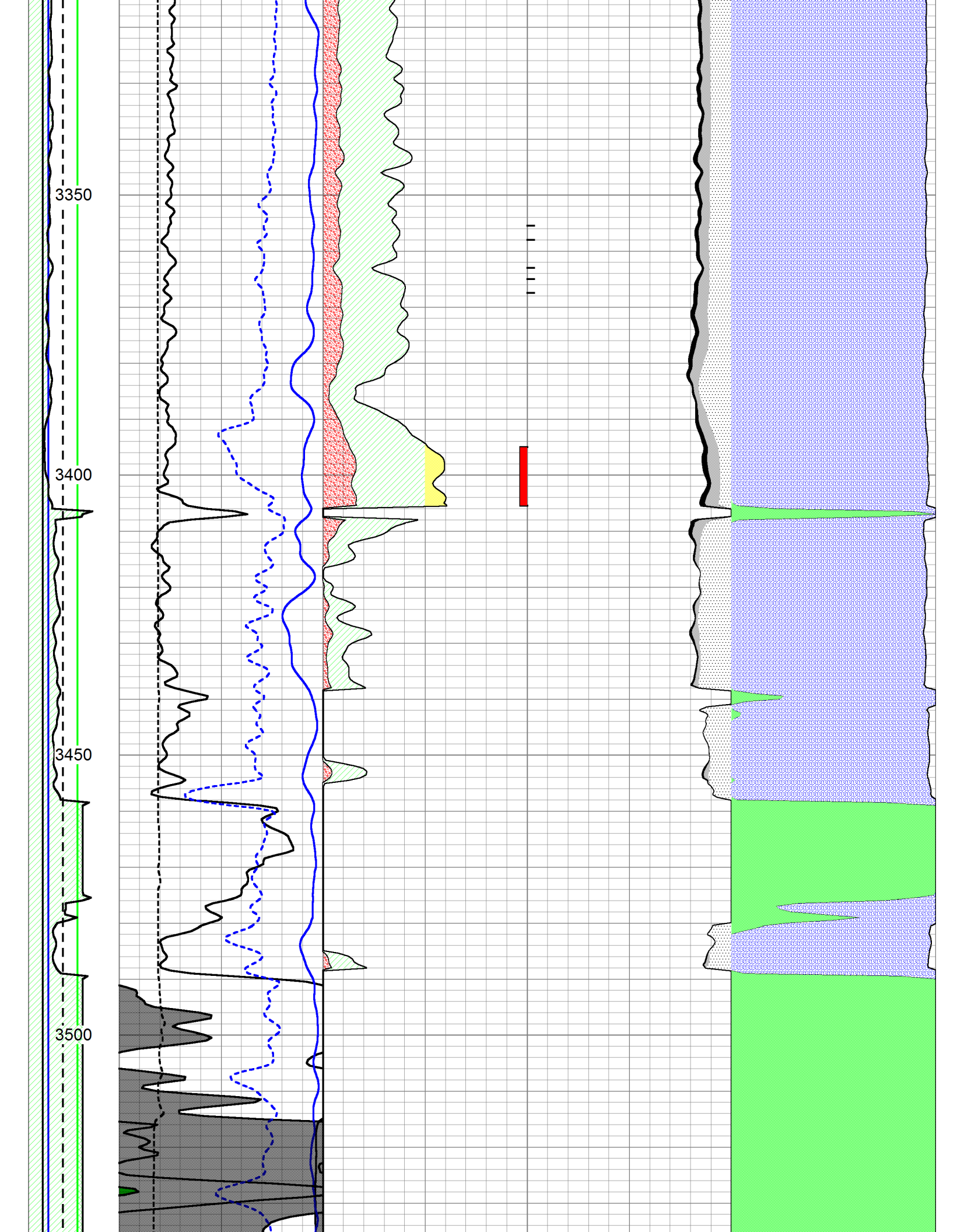

2250
2300
2350
2400

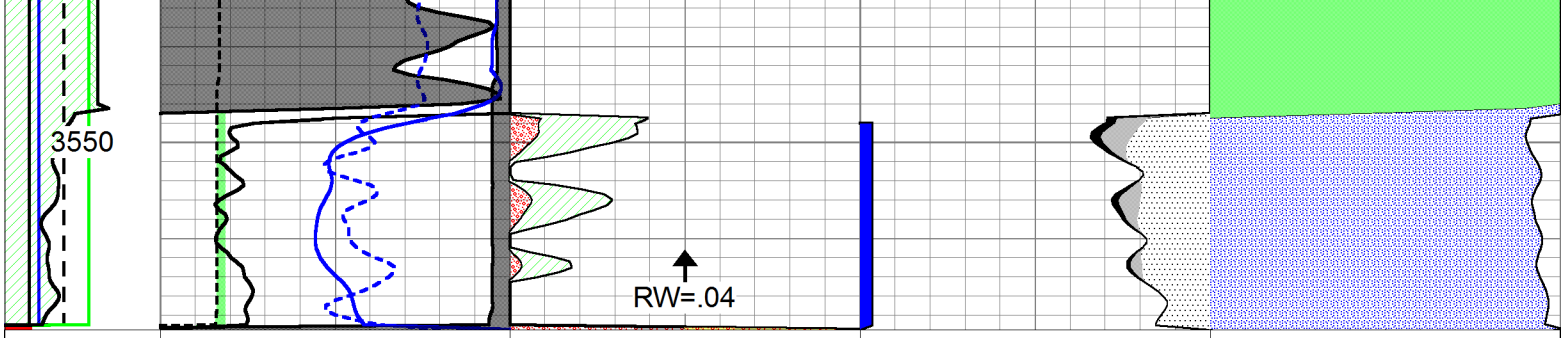

2450
2500
2550
2600
2650


2700
2750
2800
2850


2900
2950
3000
3050


3100
3150
3200
3250
3300


3350
3400
3450
3500




| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DGA | | 0 | Gamma Ray | 150 | 1 | SW | 0 | 0.3 | PHIE | 0 | 0 | VCL | 1 |
| 2.6 | 3.1 | 6 | DCAL | 16 | 30 | PAYFLAG | 0 | 0.3 | BVW | 0 | 1 | PHIE | 0 |
| | | -150 | SPC (mV) | 0 | 1 | SXO | 0 | 0 | PERM | 30 | | | |
| | | | | | | | | 0.3 | BVWSXO | 0 | | | |