

OPERATOR: **Cub Creek Energy**

WELL NAME: **Markham 2**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Xtreme 18

API #: 05-123-43649

LAT/LONG: 40.26867, -105.02312

SURFACE HOLE: NWSE S32-T4N-R68W, 2341' FSL, 1514' FEL

BOTTOM HOLE: SWSW S32-T4N-R68W, 330' FSL, 460' FWL

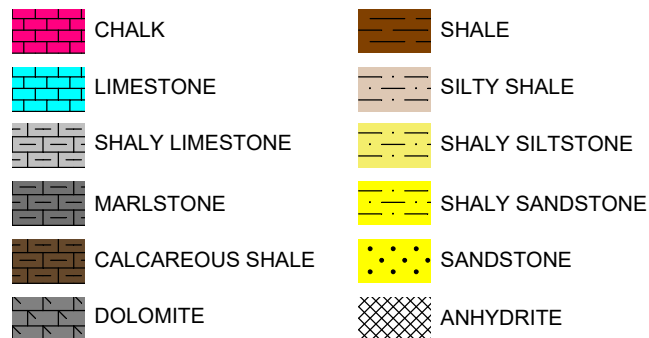


Earth Science Agency, LLC

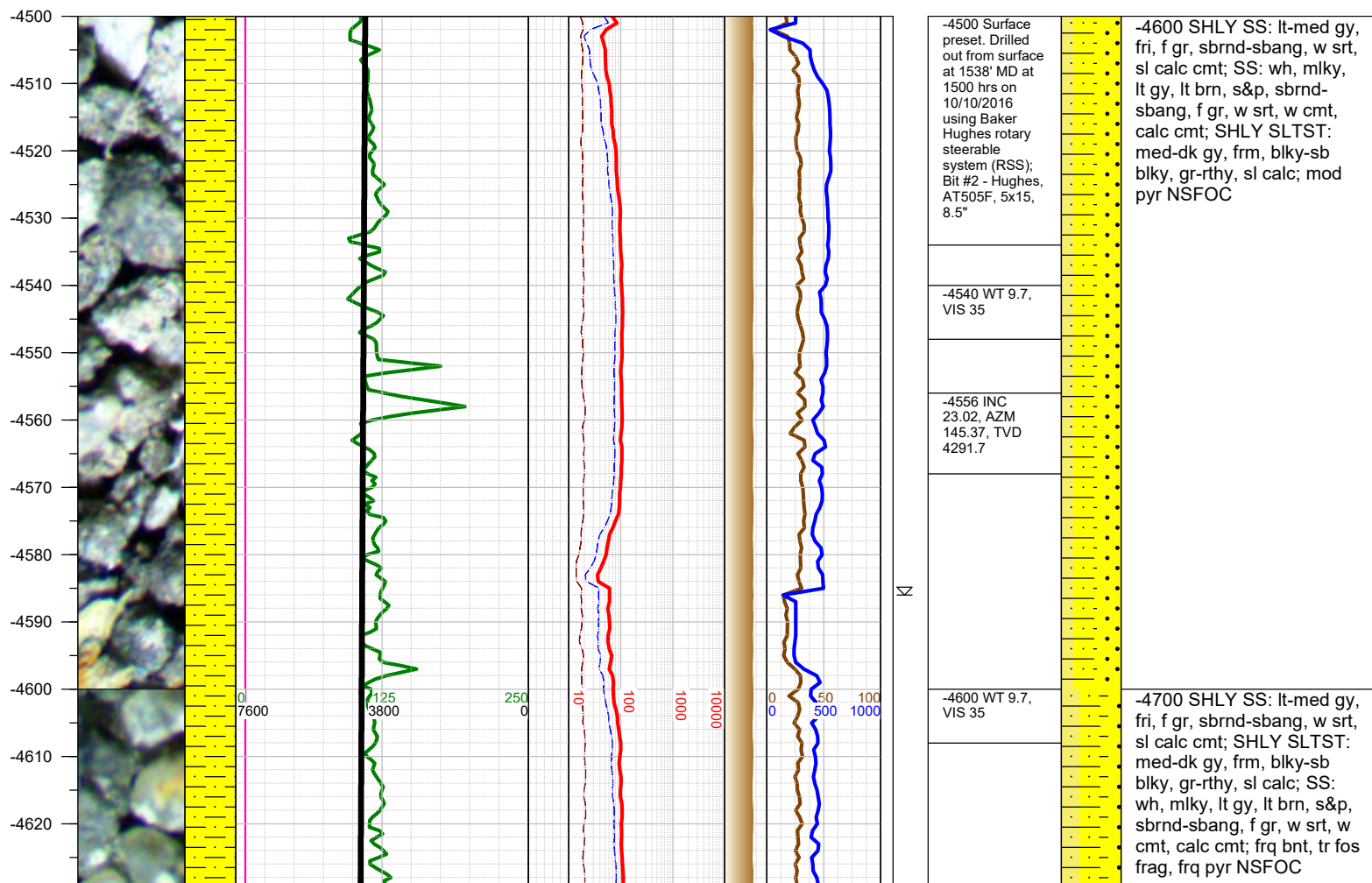
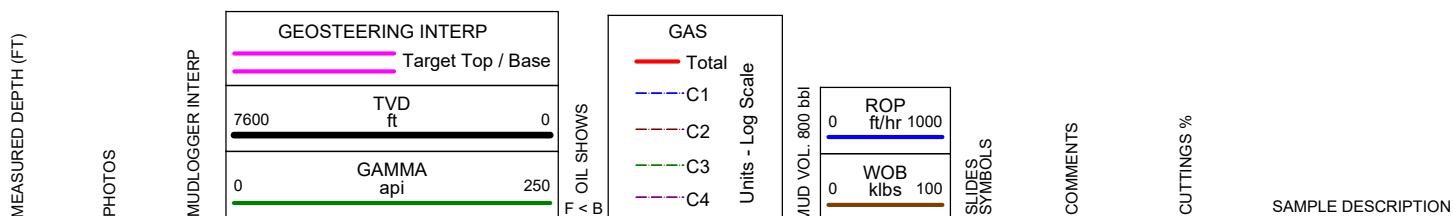
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 5043'
KELLY BUSHING: 5060'
DRILLING FLUID: WBM
TVD VS. MD: 7284' / 12395'
SPUD DATE: October 10, 2016
TD DATE: October 13, 2016

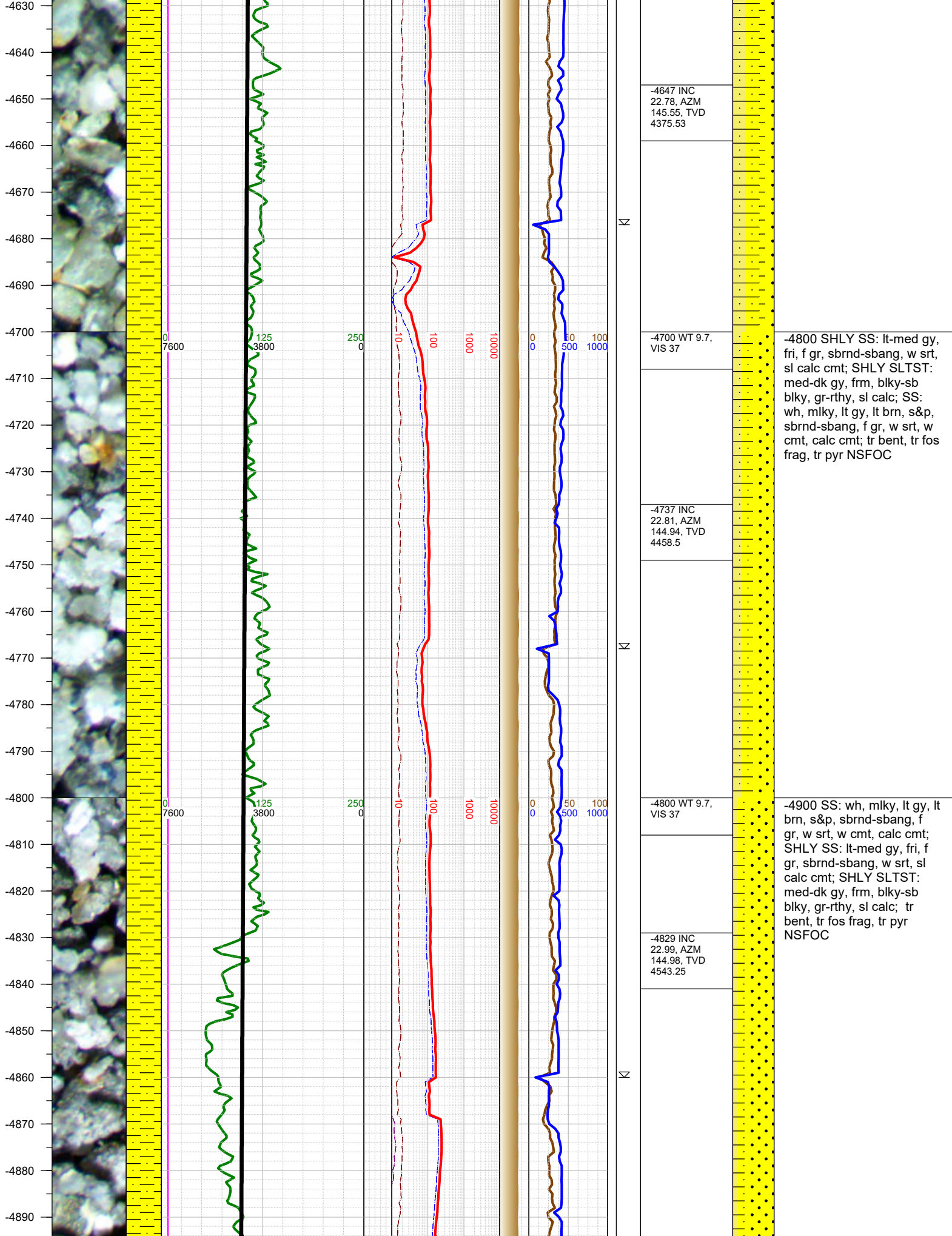
DEPTHS LOGGED: 4500' - 12395'
DATES LOGGED: October 11, 2016 - October 13, 2016
GEOLOGISTS: Ari Berland, Curtis Magnino
SCALE: 5" = 100'

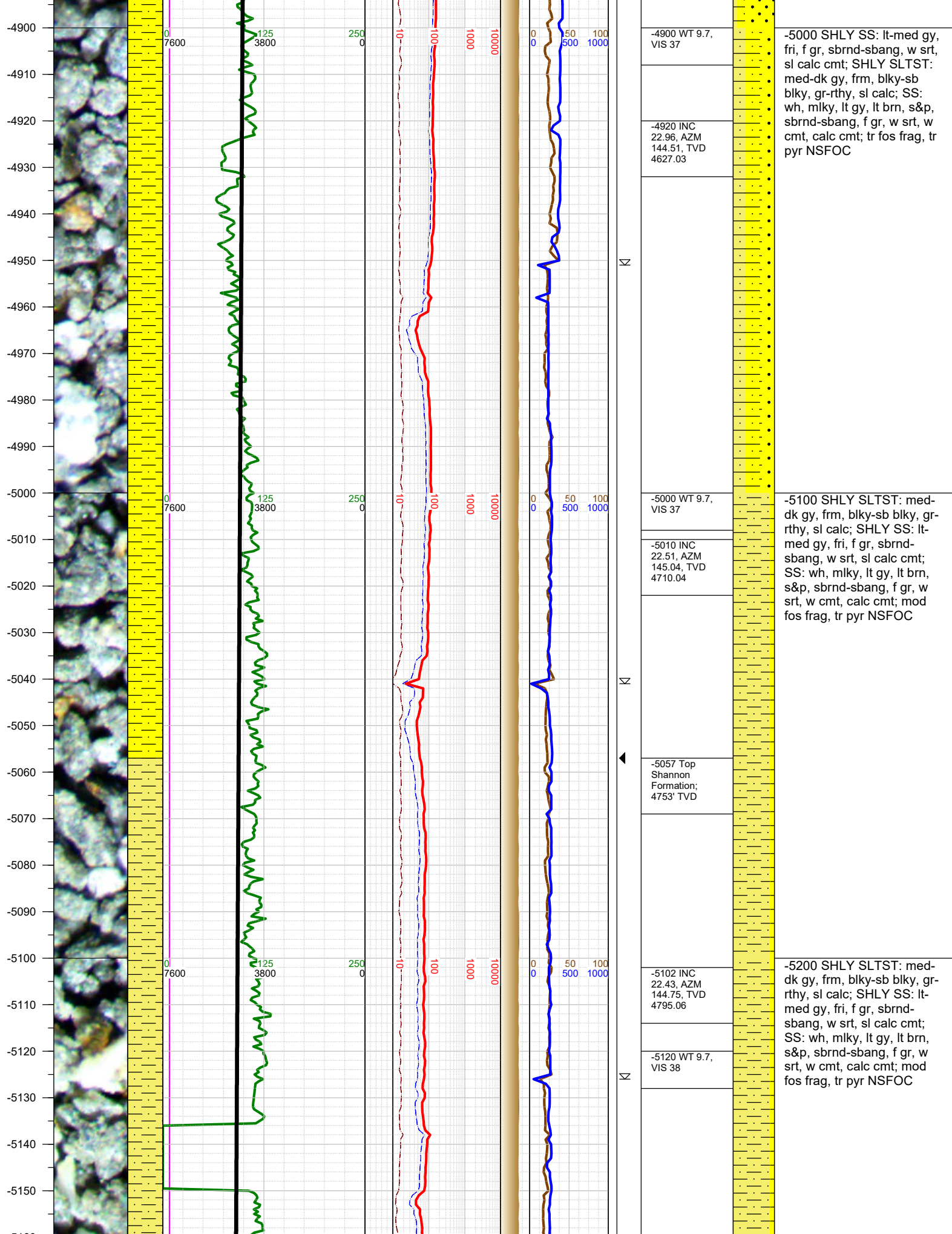
LEGEND

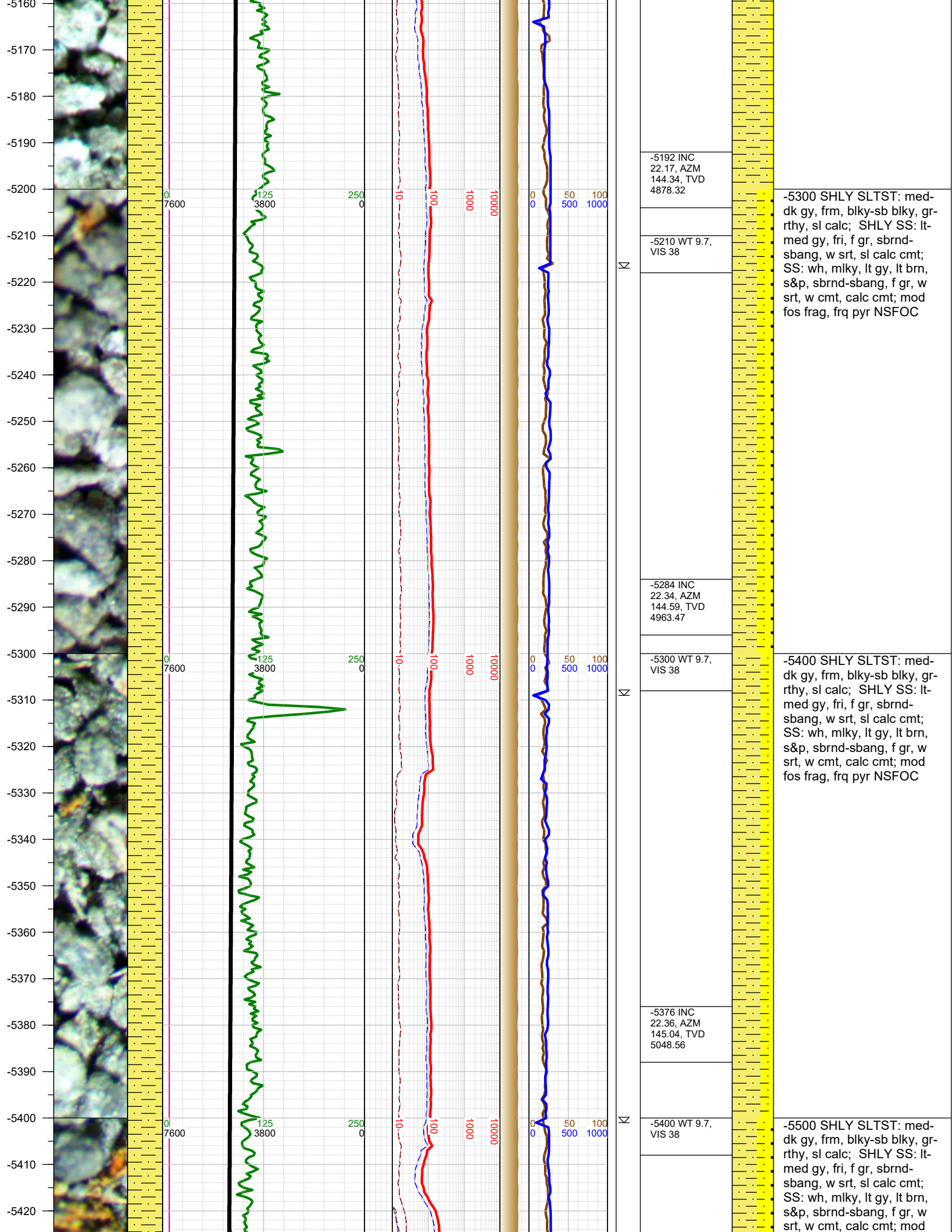


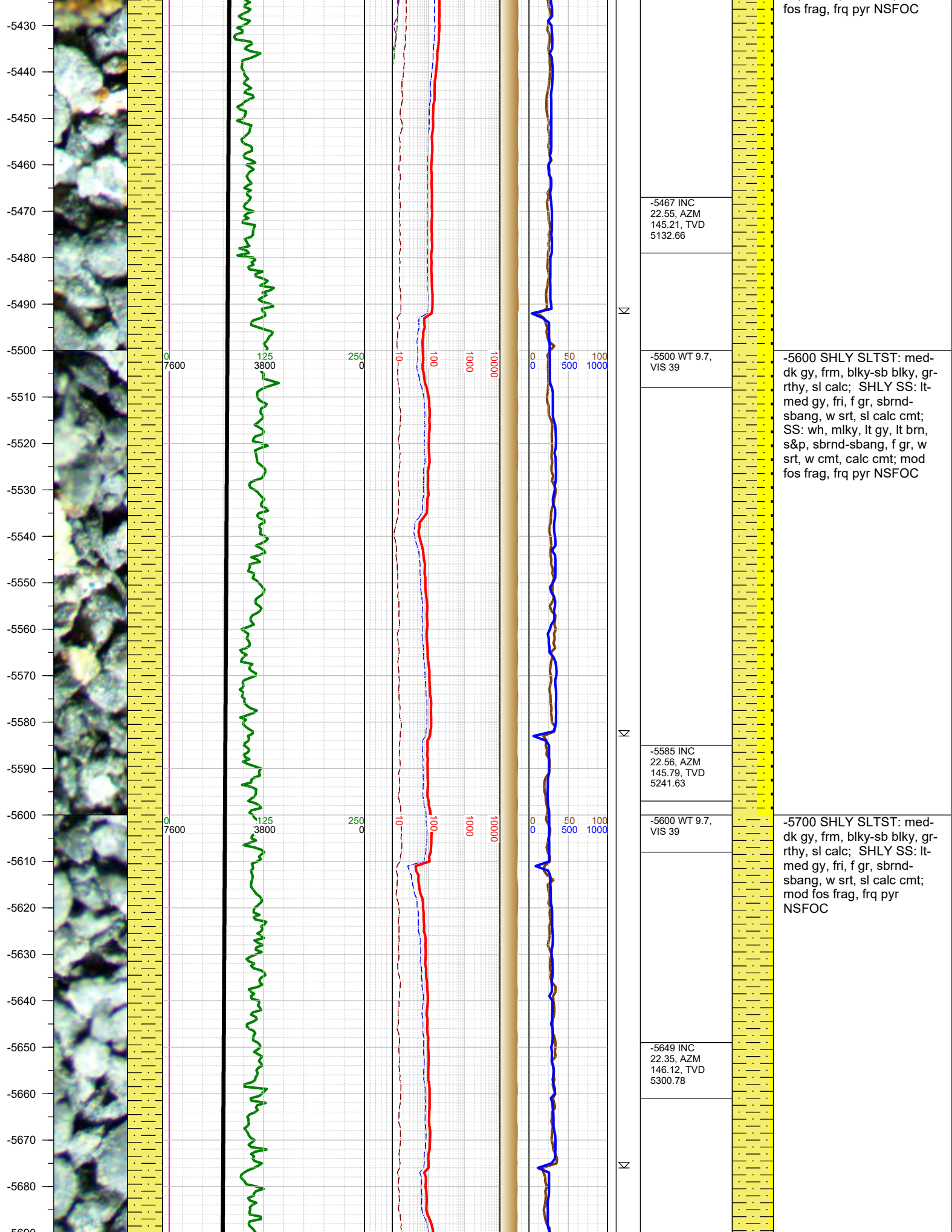
FORMATION \approx CONNECTION Δ MIDNIGHT NEW BIT GAS SHOW FAULT

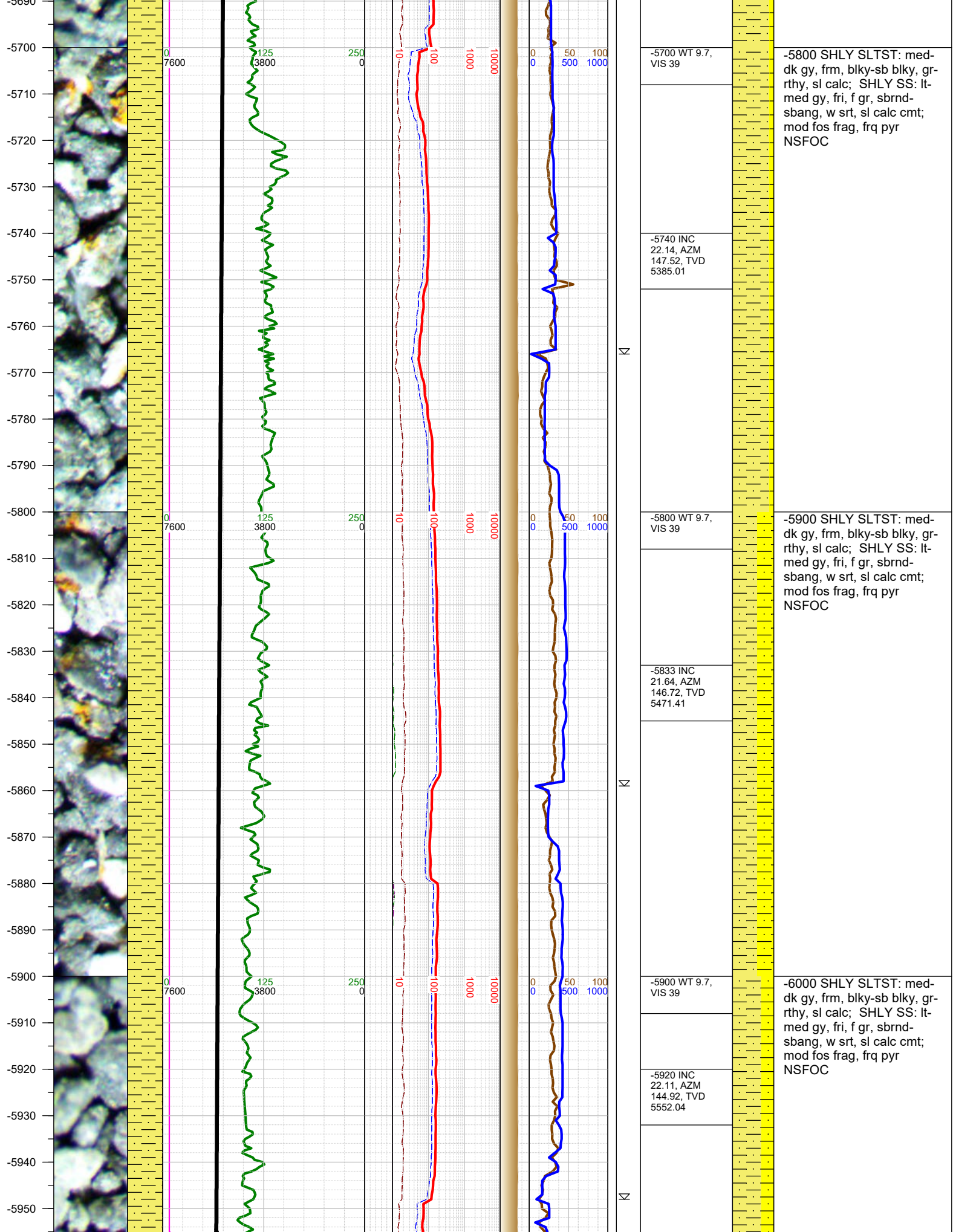


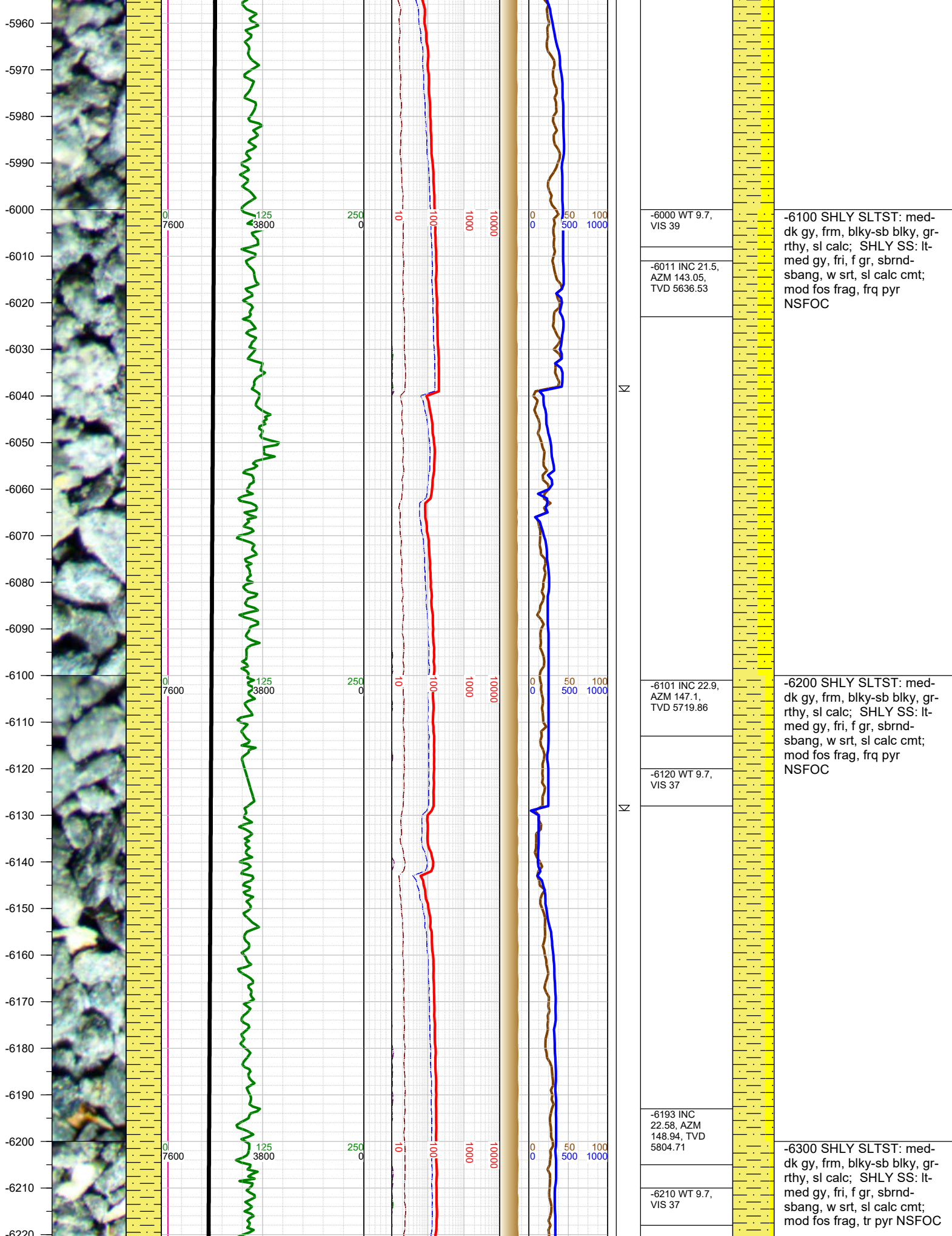


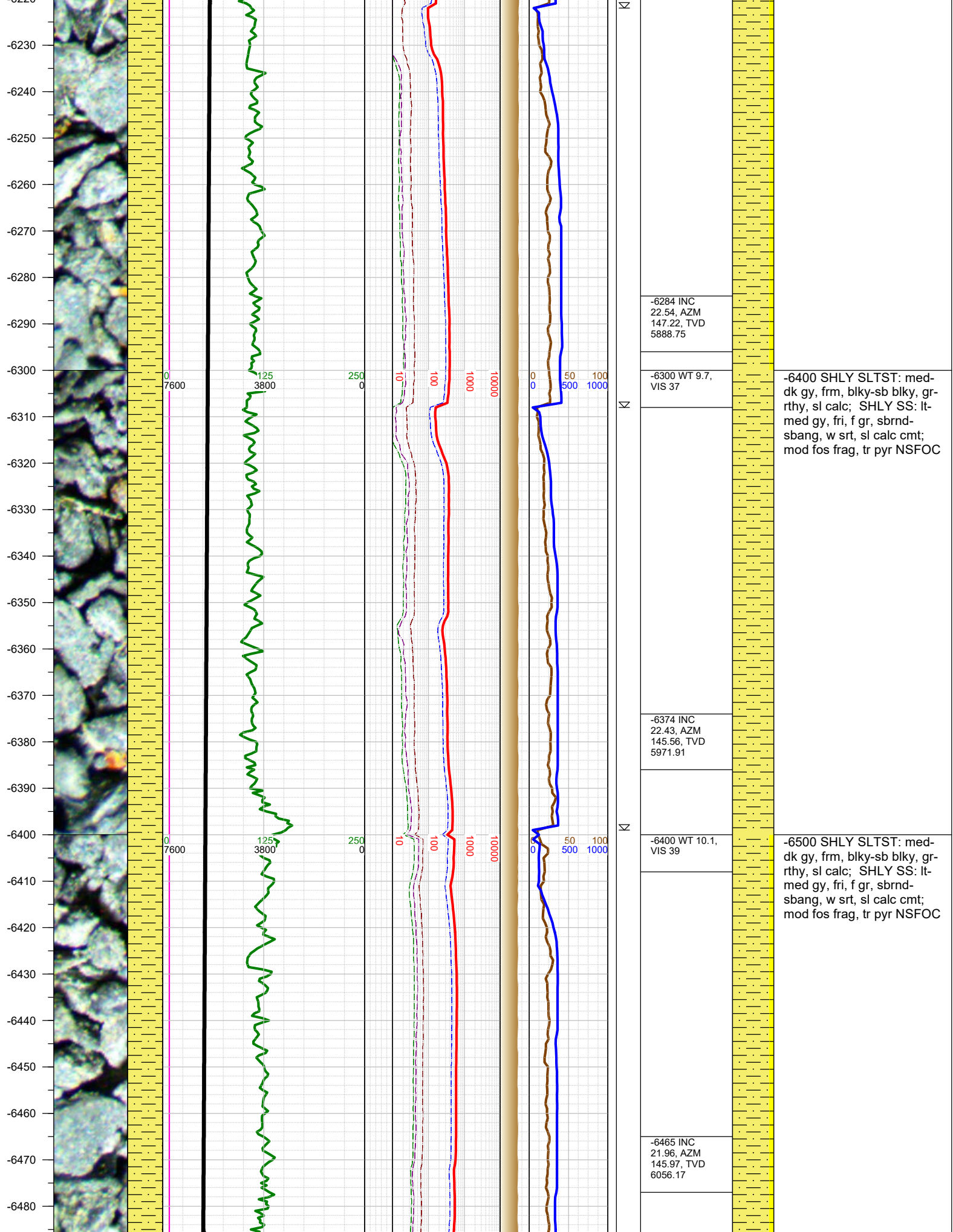


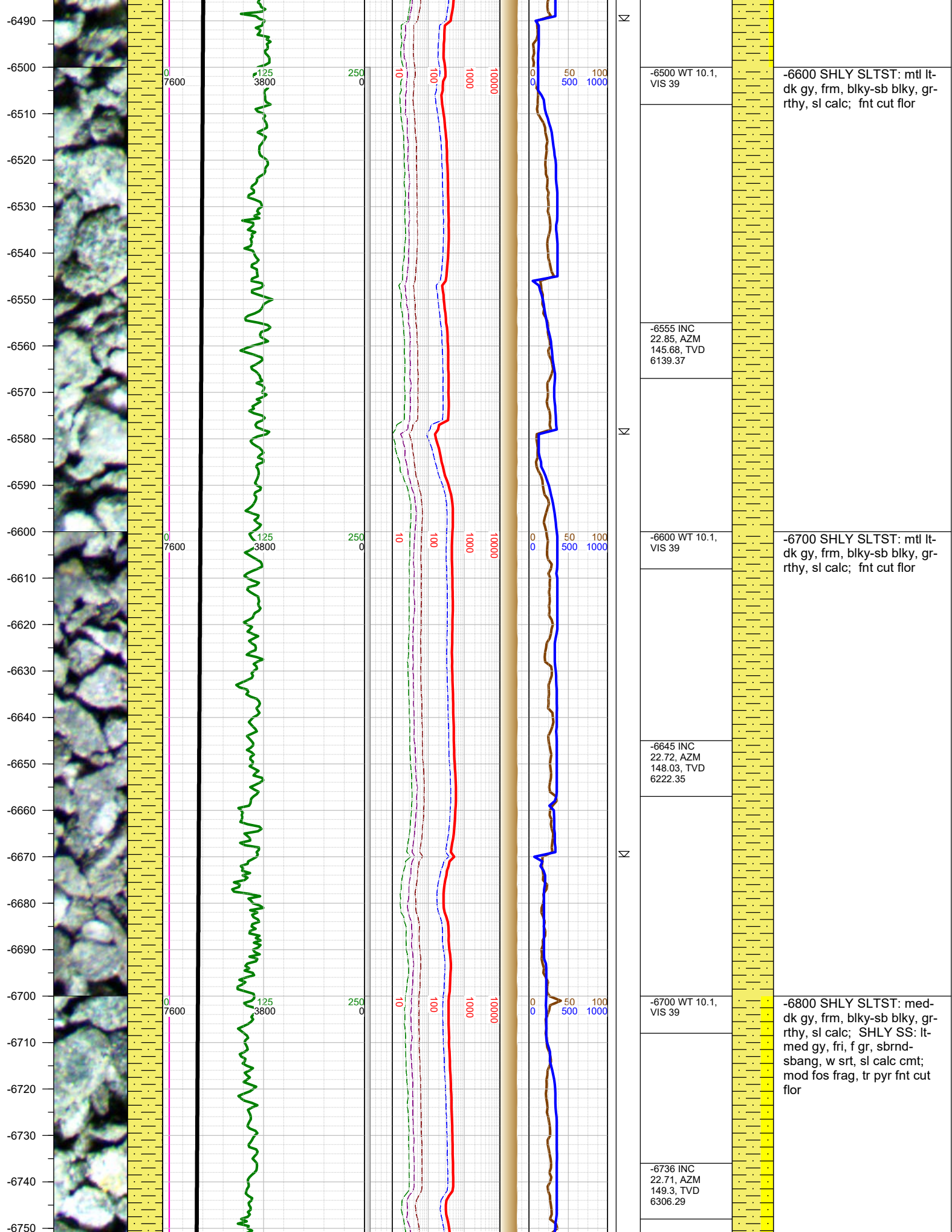


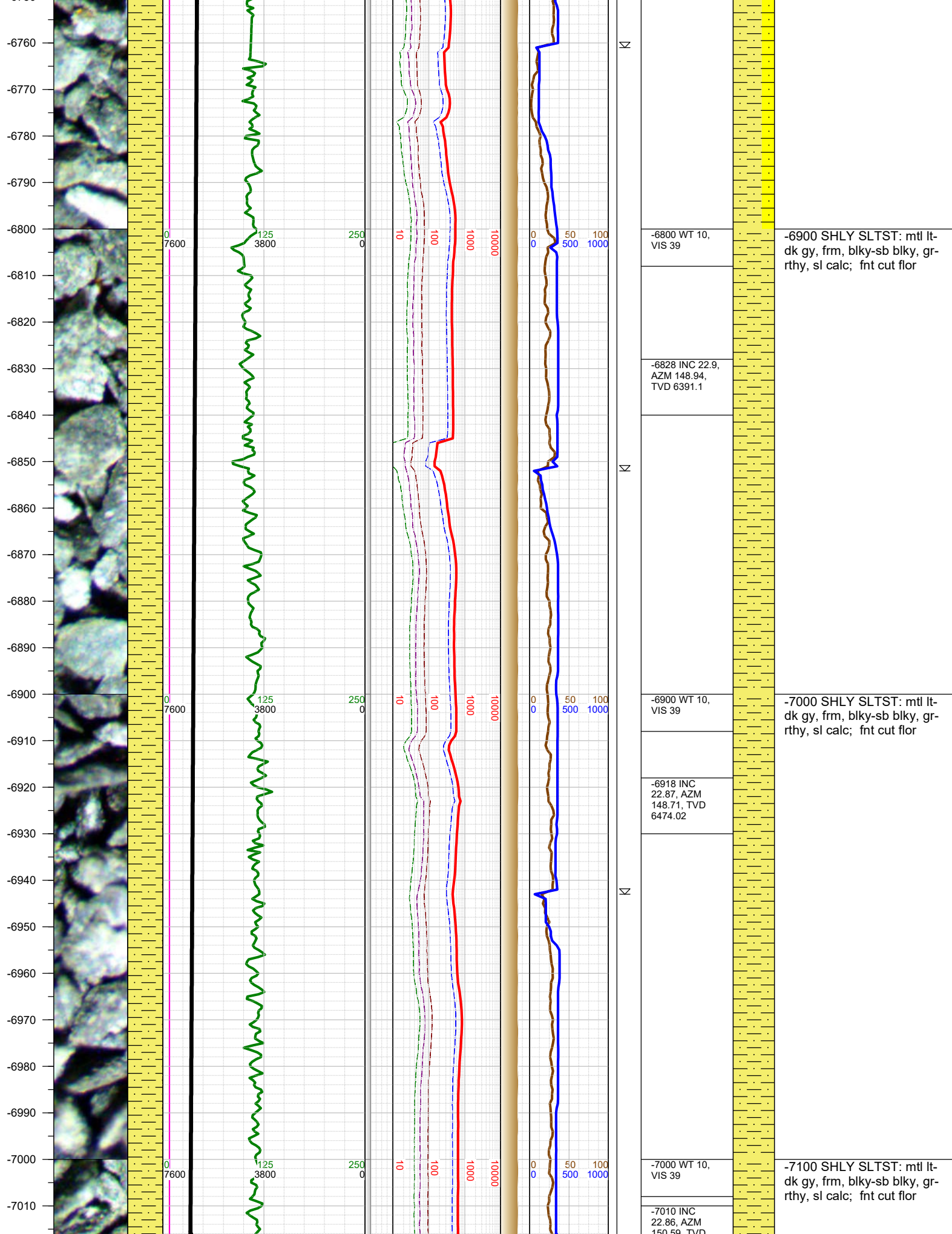


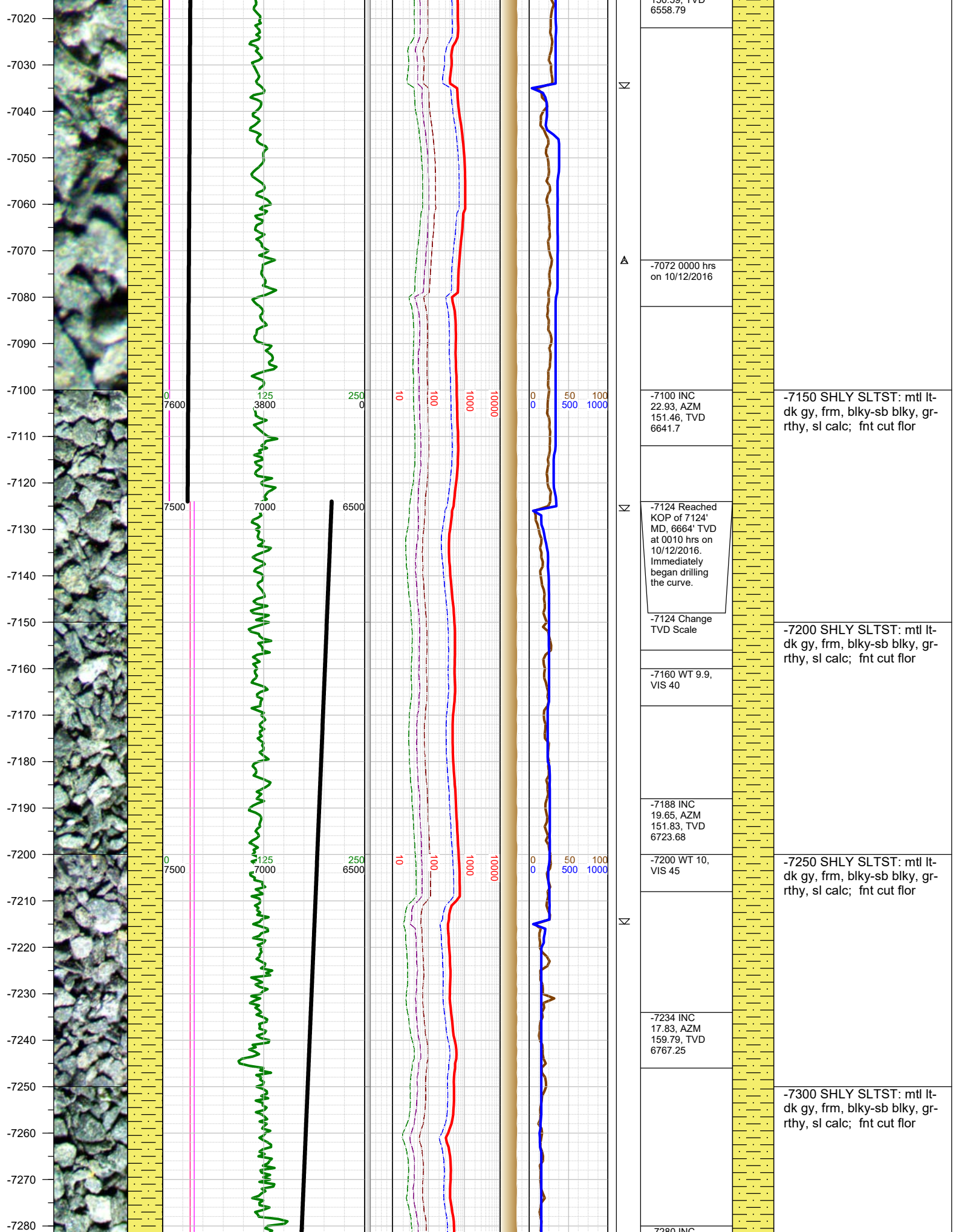


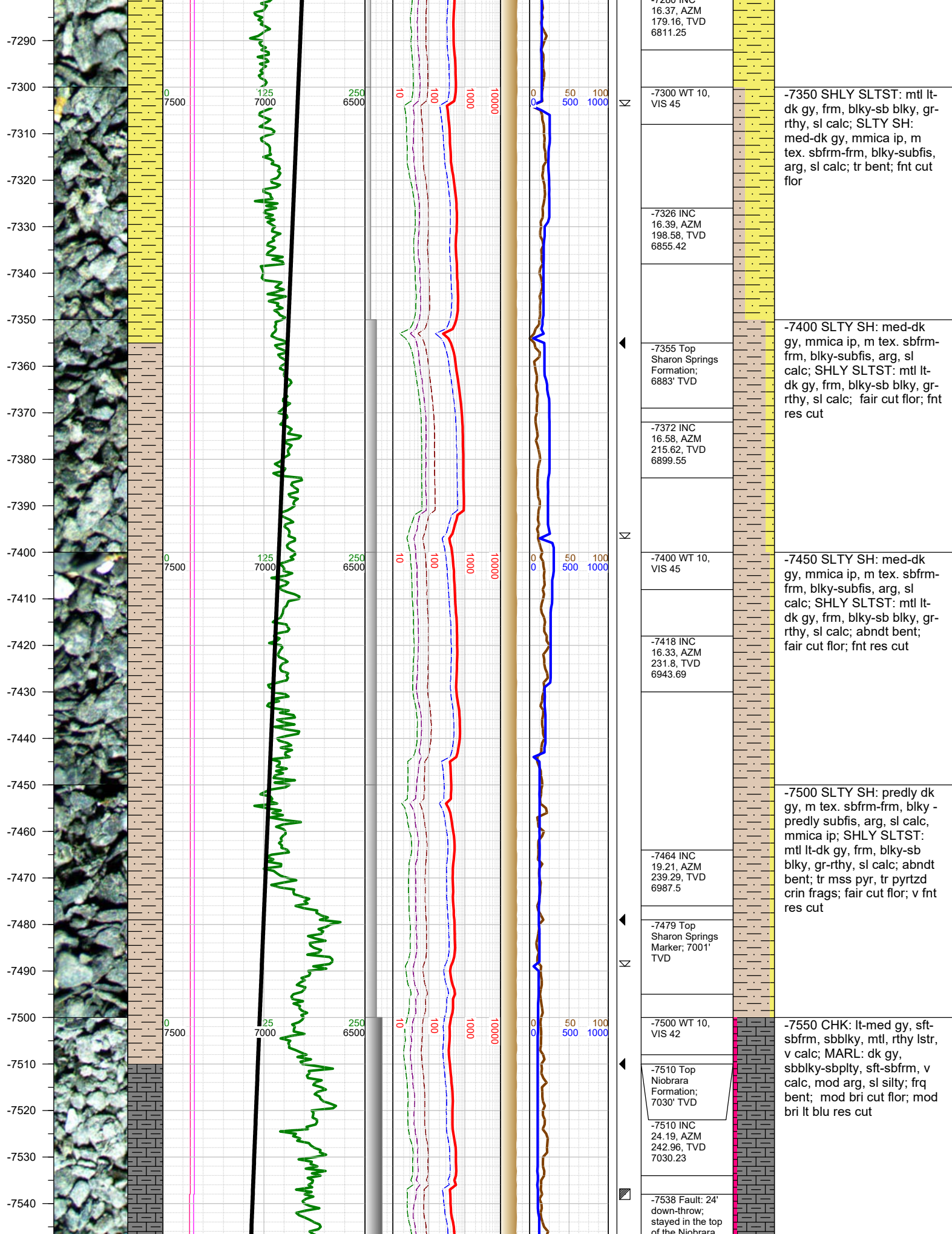


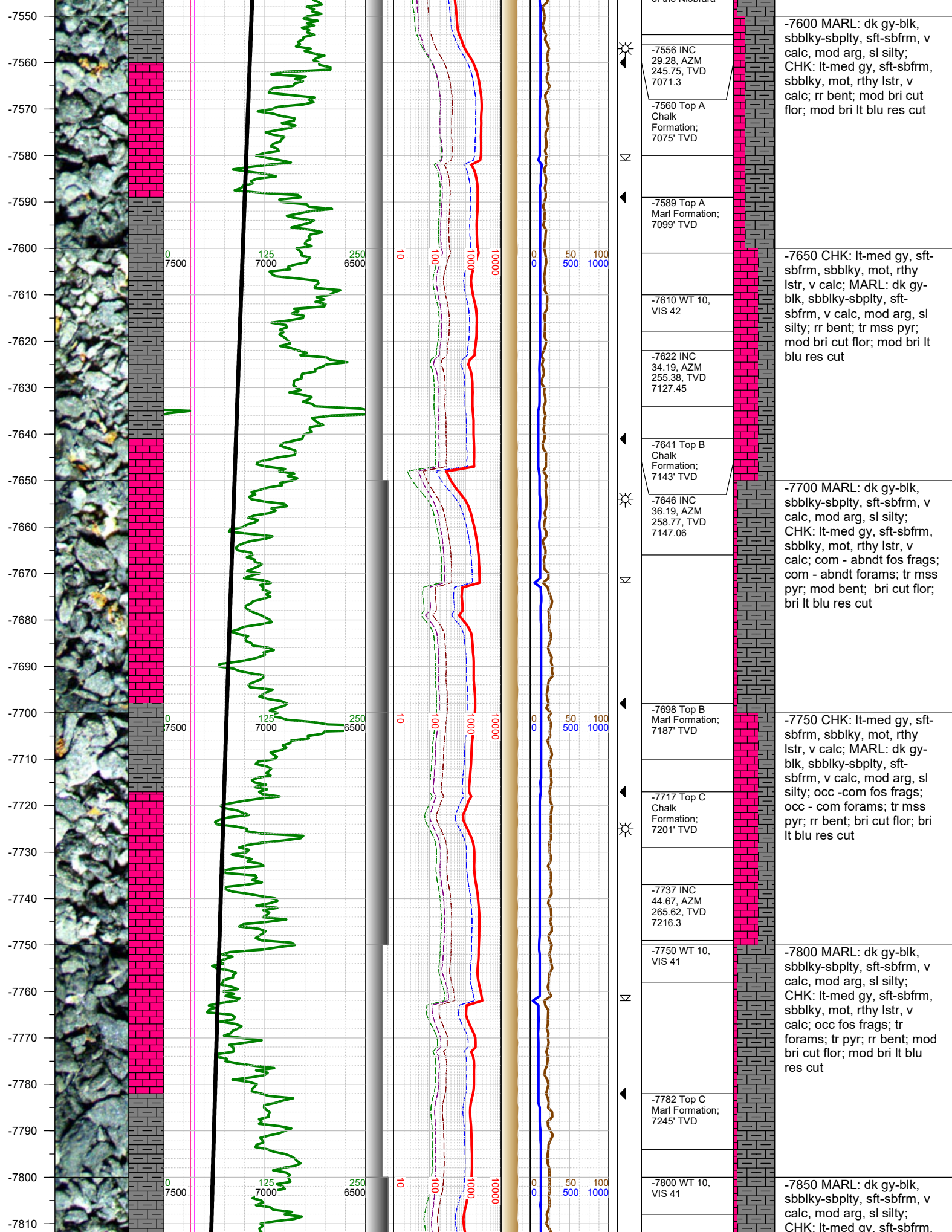


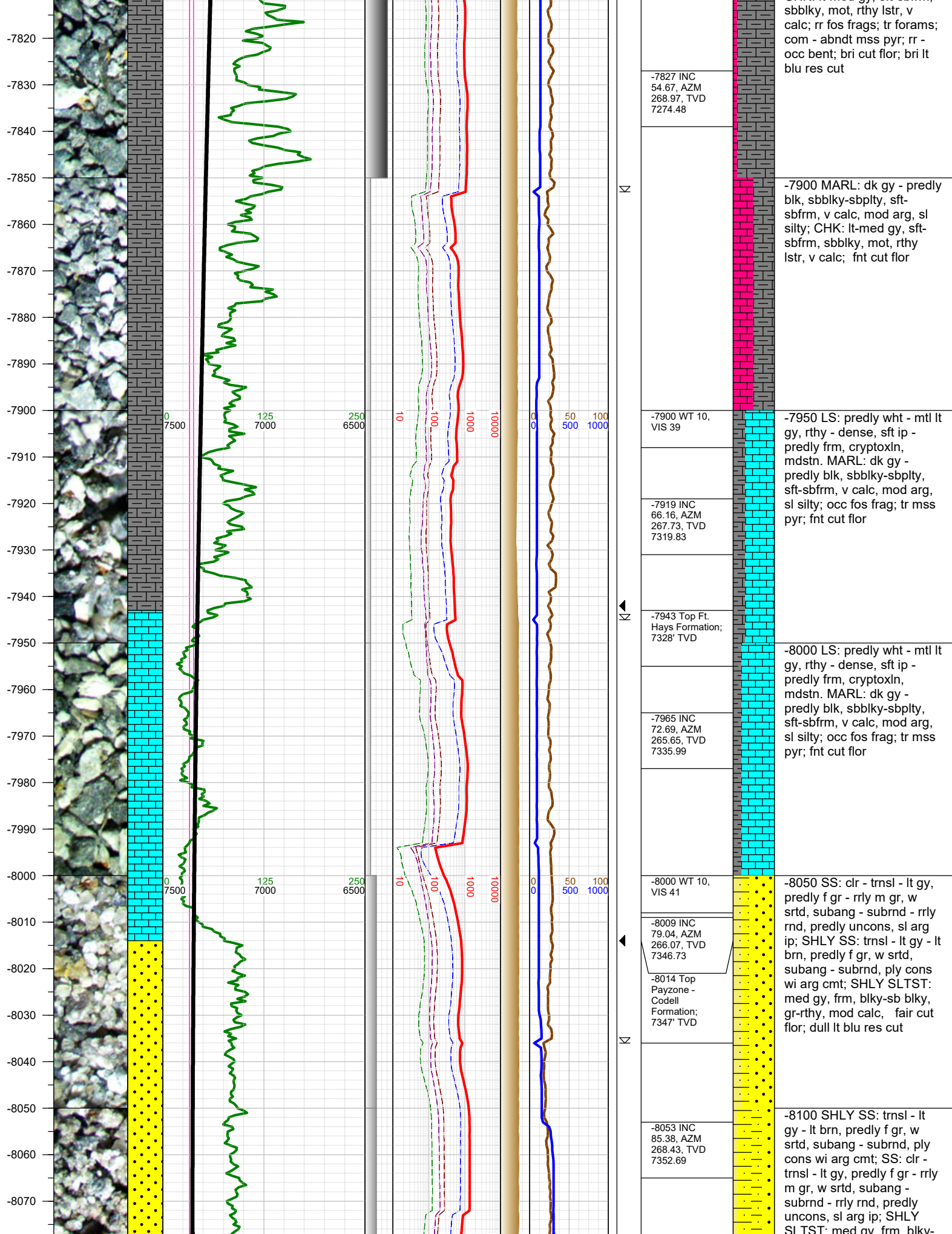


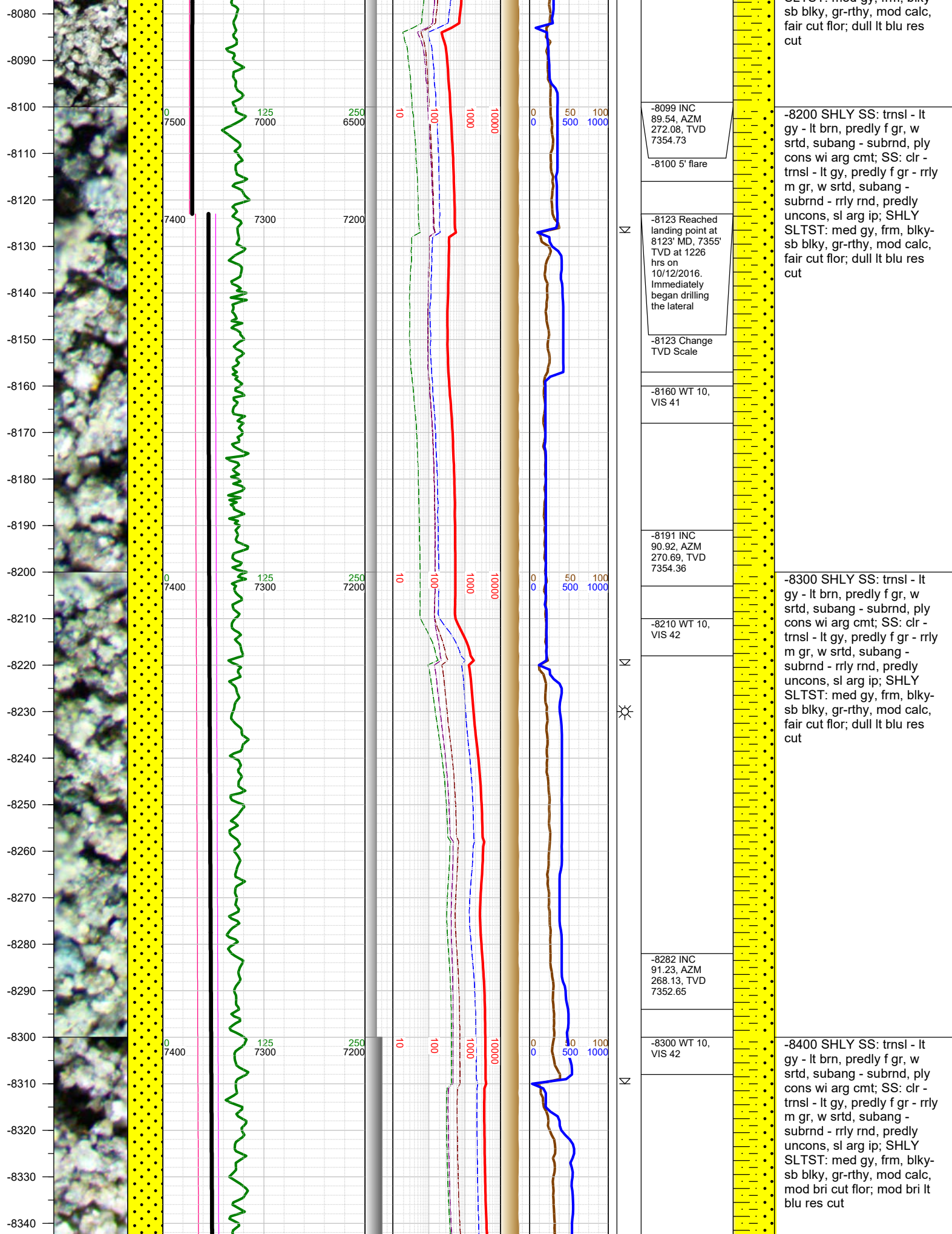


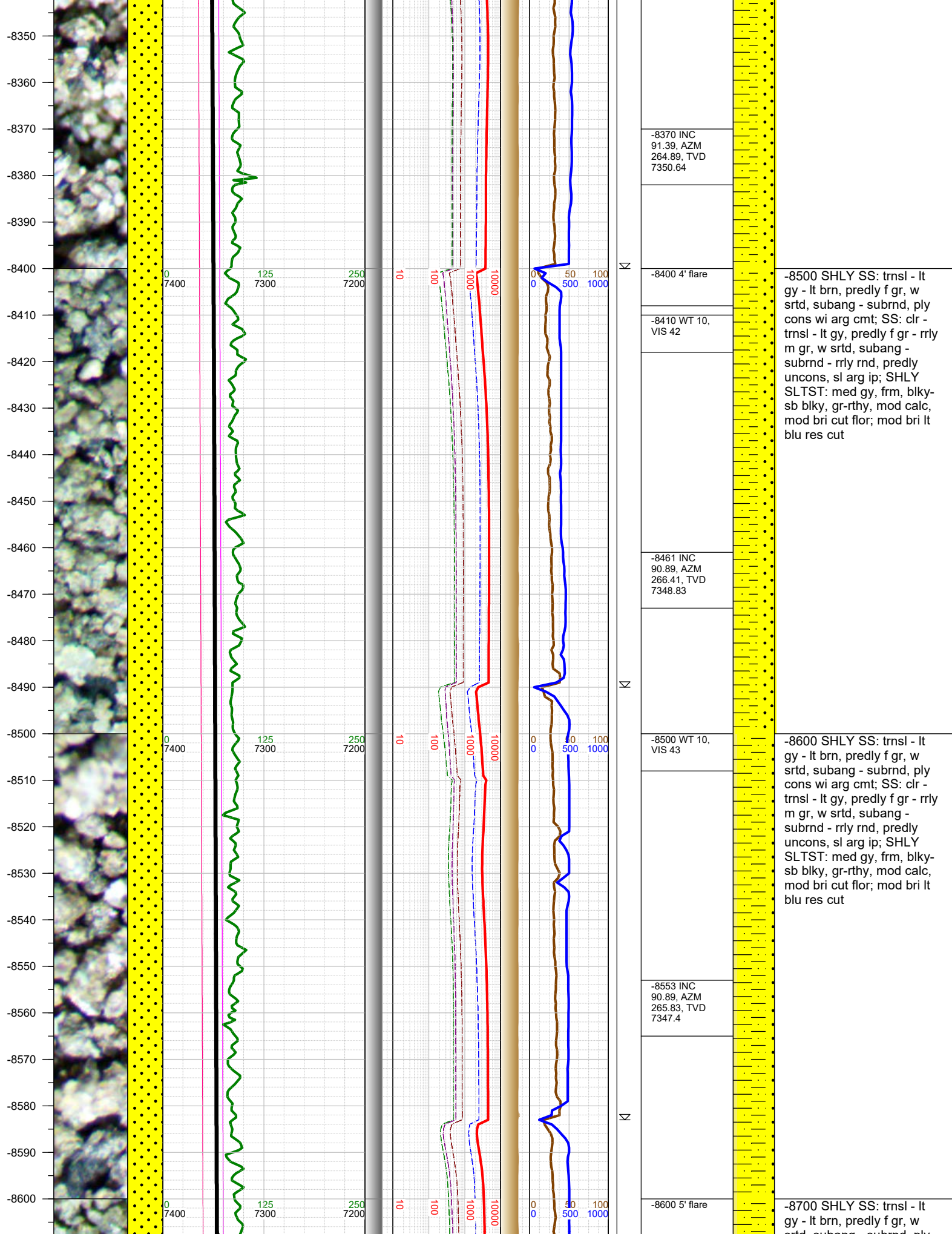


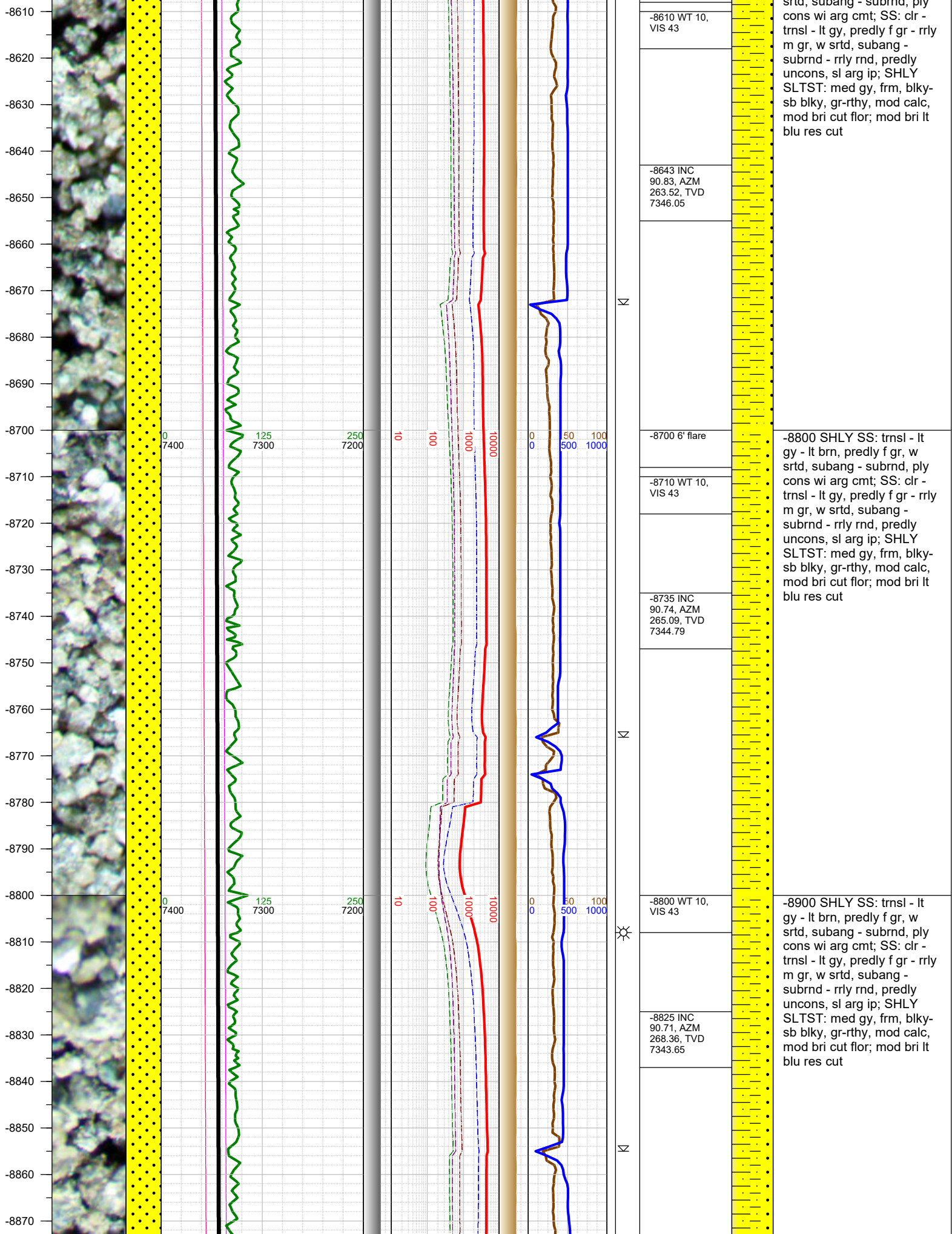


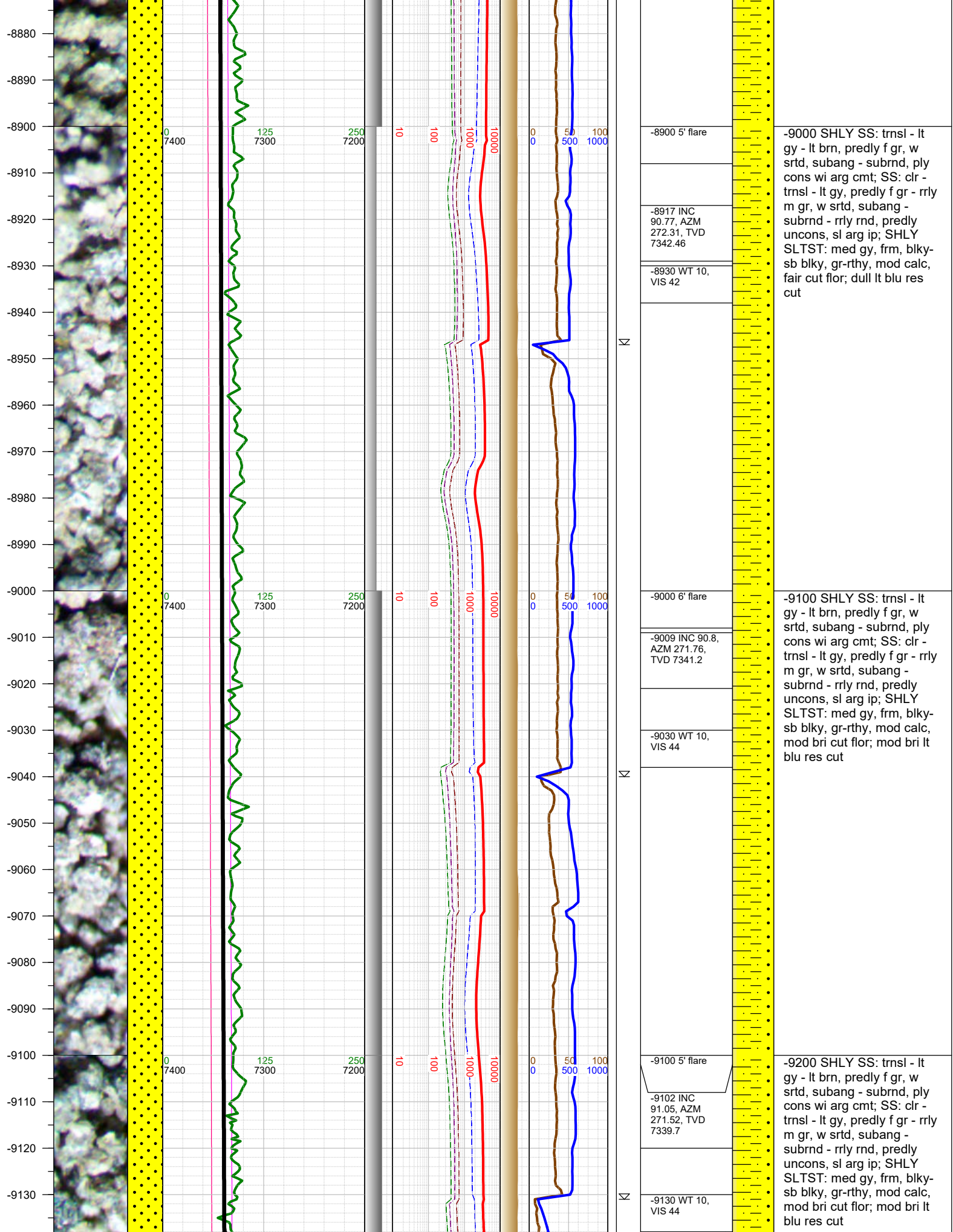


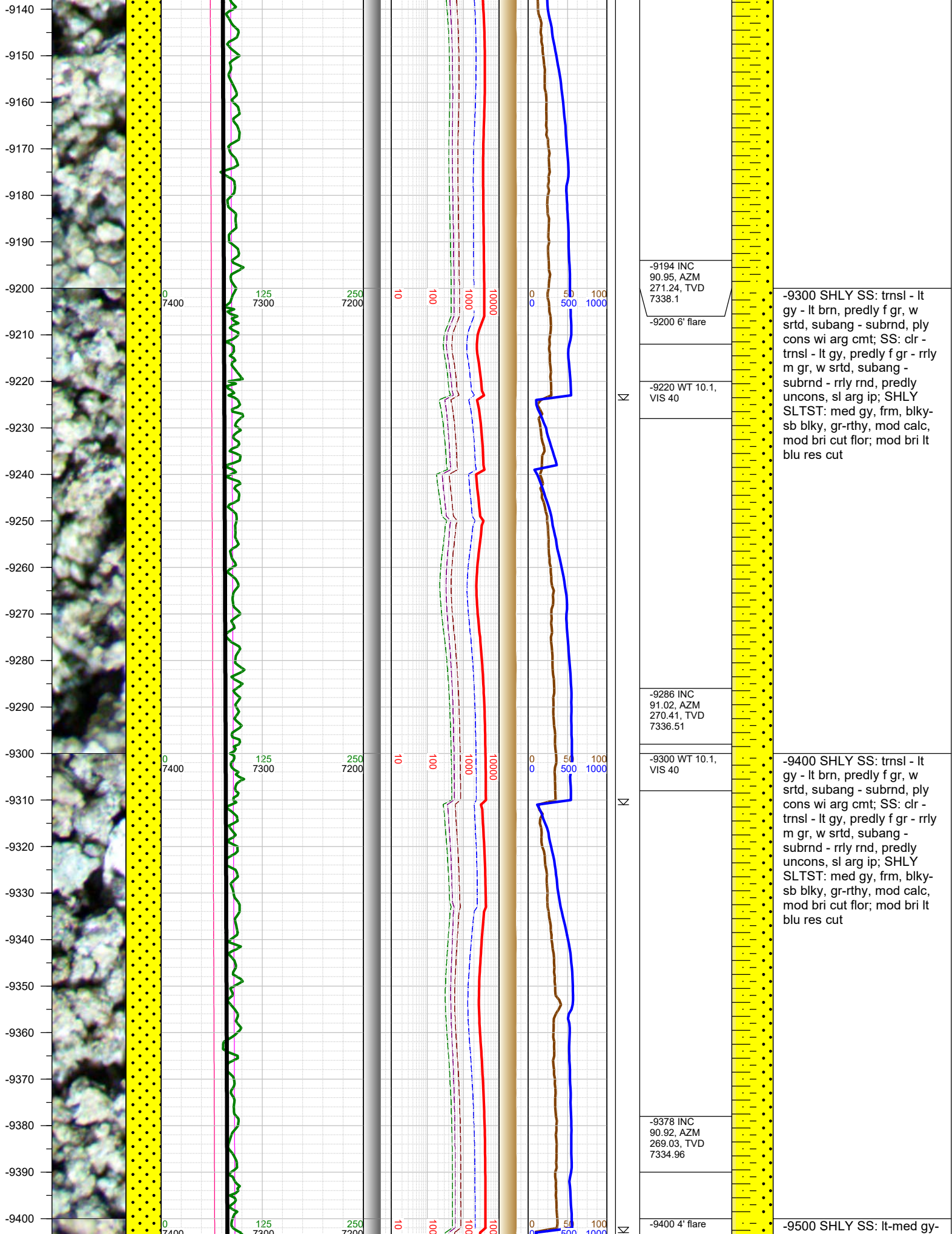


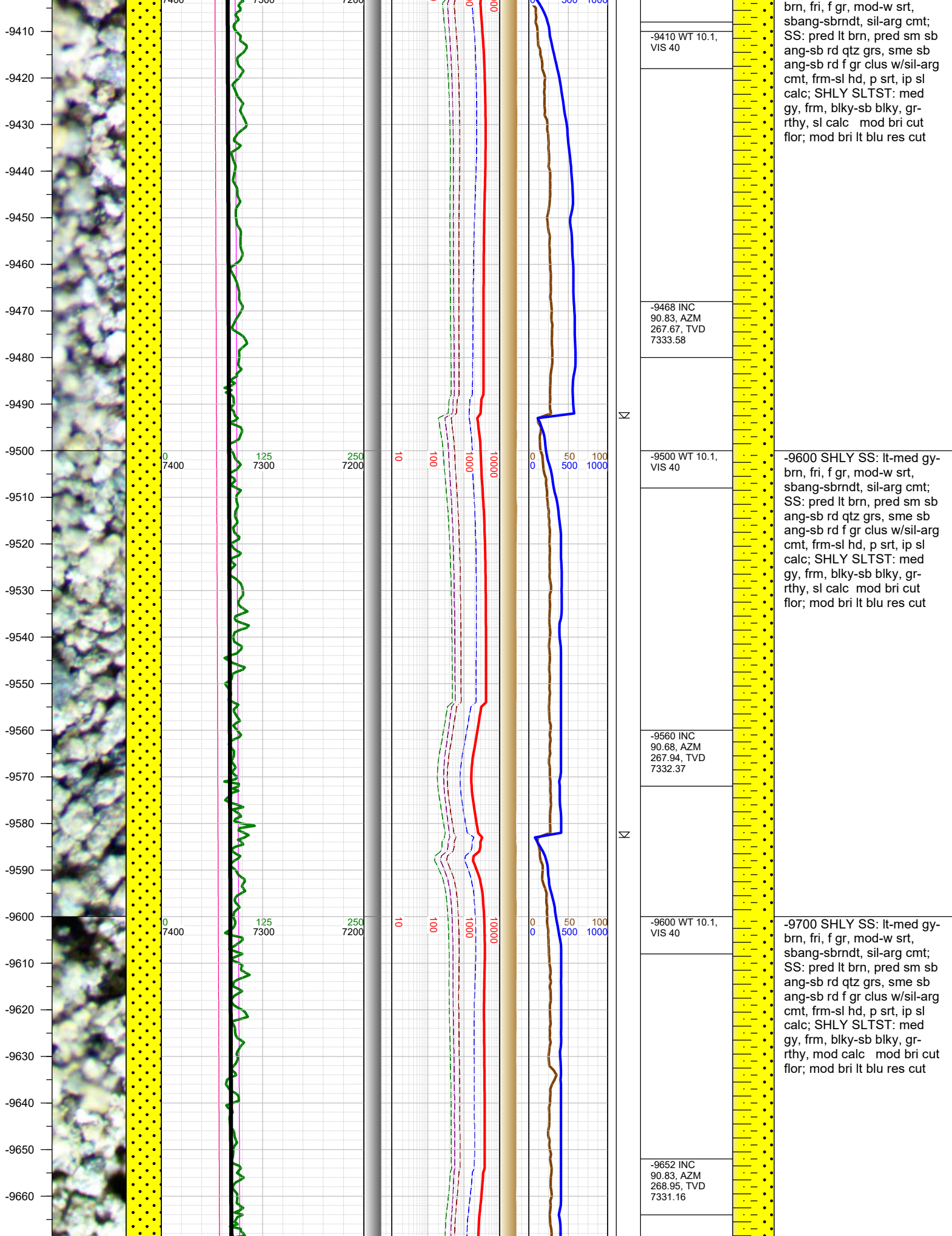


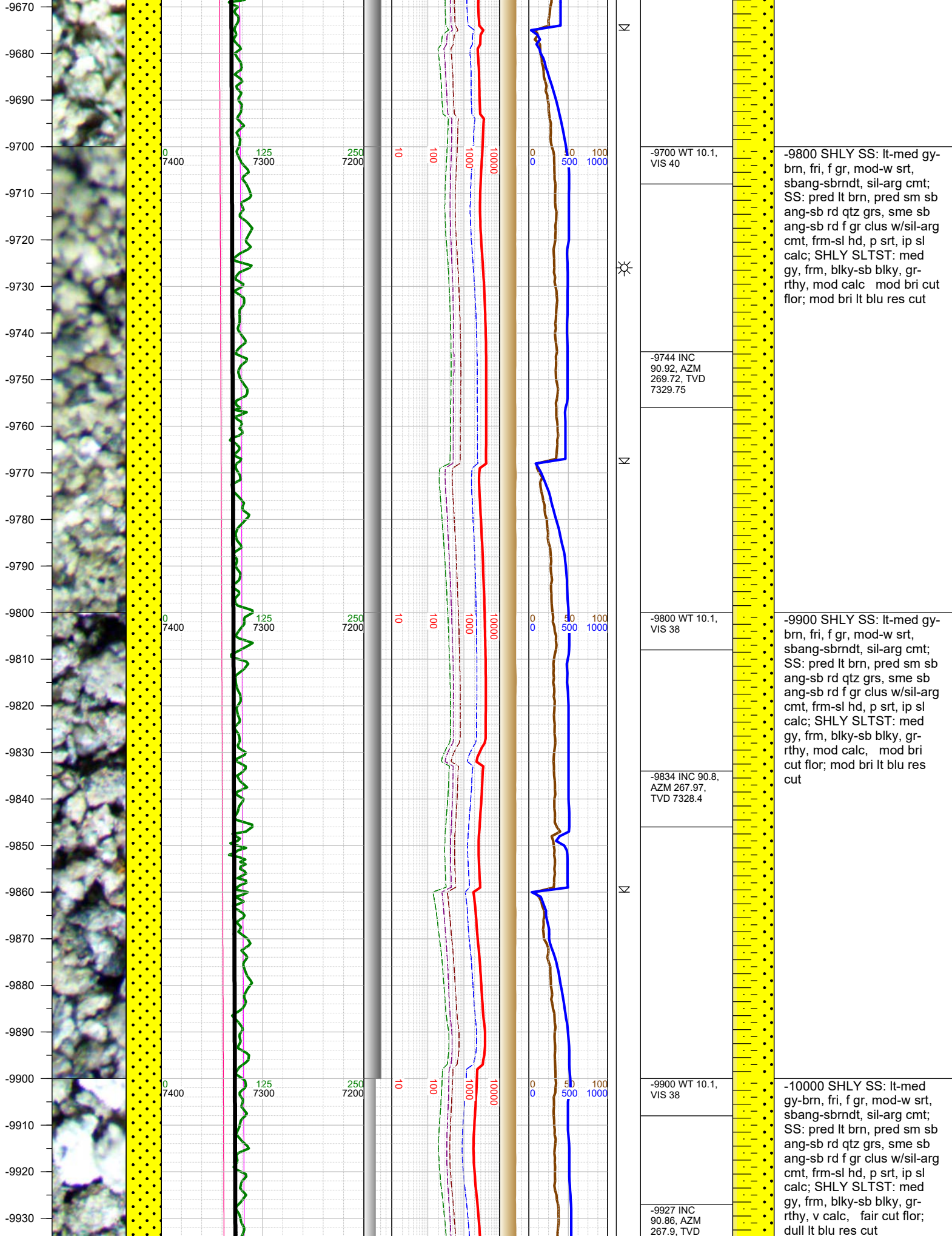


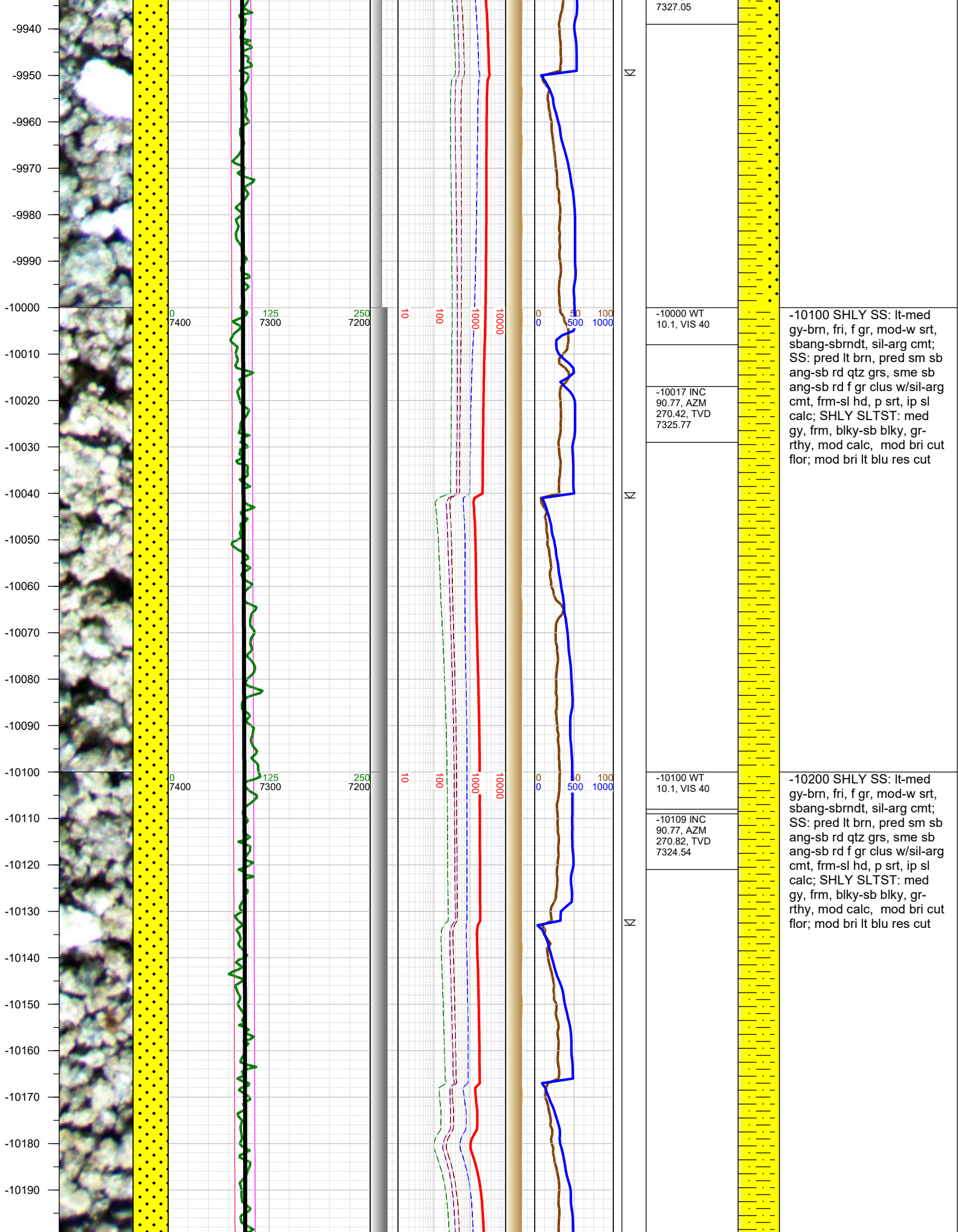


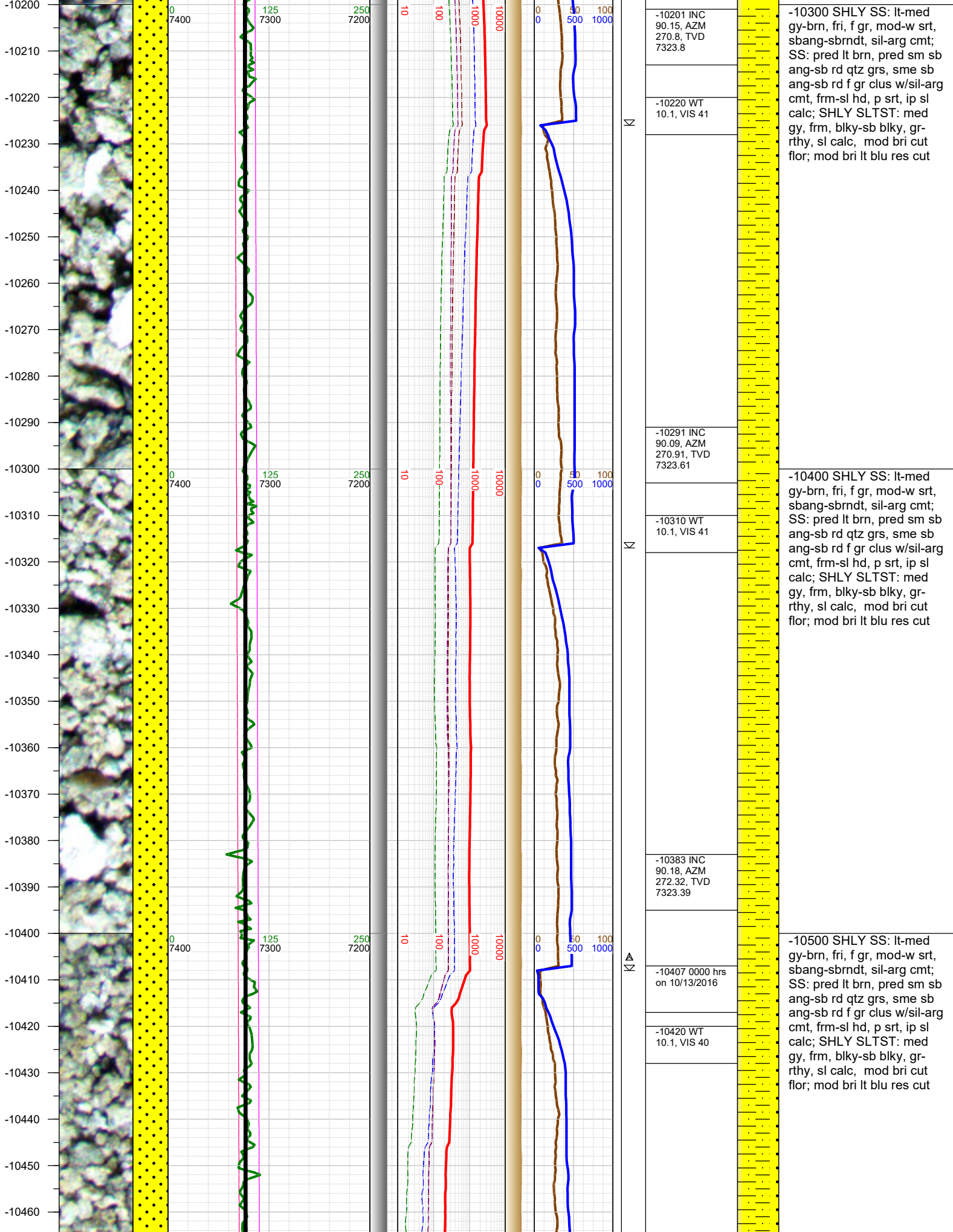




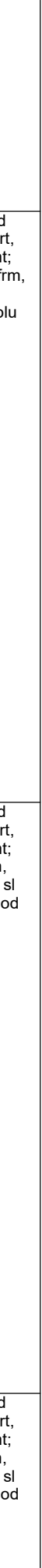
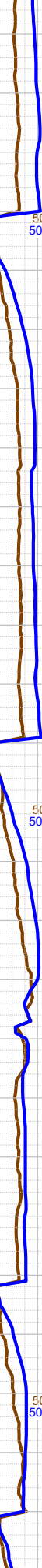
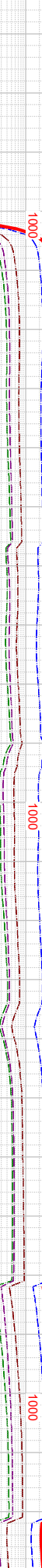
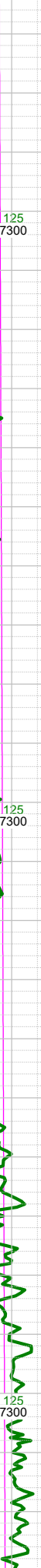








-10470
-10480
-10490
-10500
-10510
-10520
-10530
-10540
-10550
-10560
-10570
-10580
-10590
-10600
-10610
-10620
-10630
-10640
-10650
-10660
-10670
-10680
-10690
-10700
-10710
-10720
-10730



-10475 INC
90.09, AZM
270.08, TVD
7323.18

-10500 WT
10.1, VIS 40

-10566 INC
90.22, AZM
267.91, TVD
7322.93

-10600 WT
10.1, VIS 41

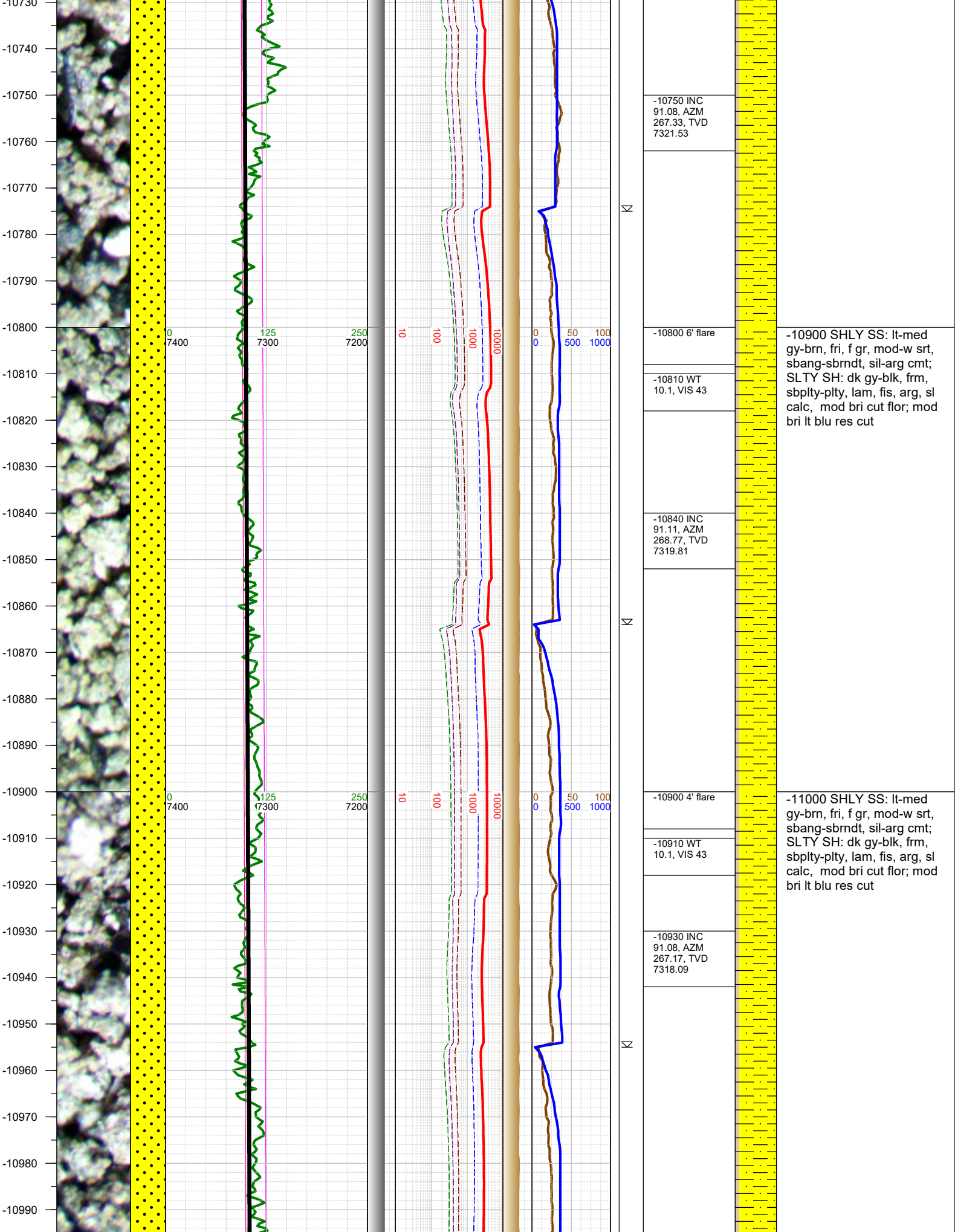
-10658 INC
90.22, AZM
267.22, TVD
7322.58

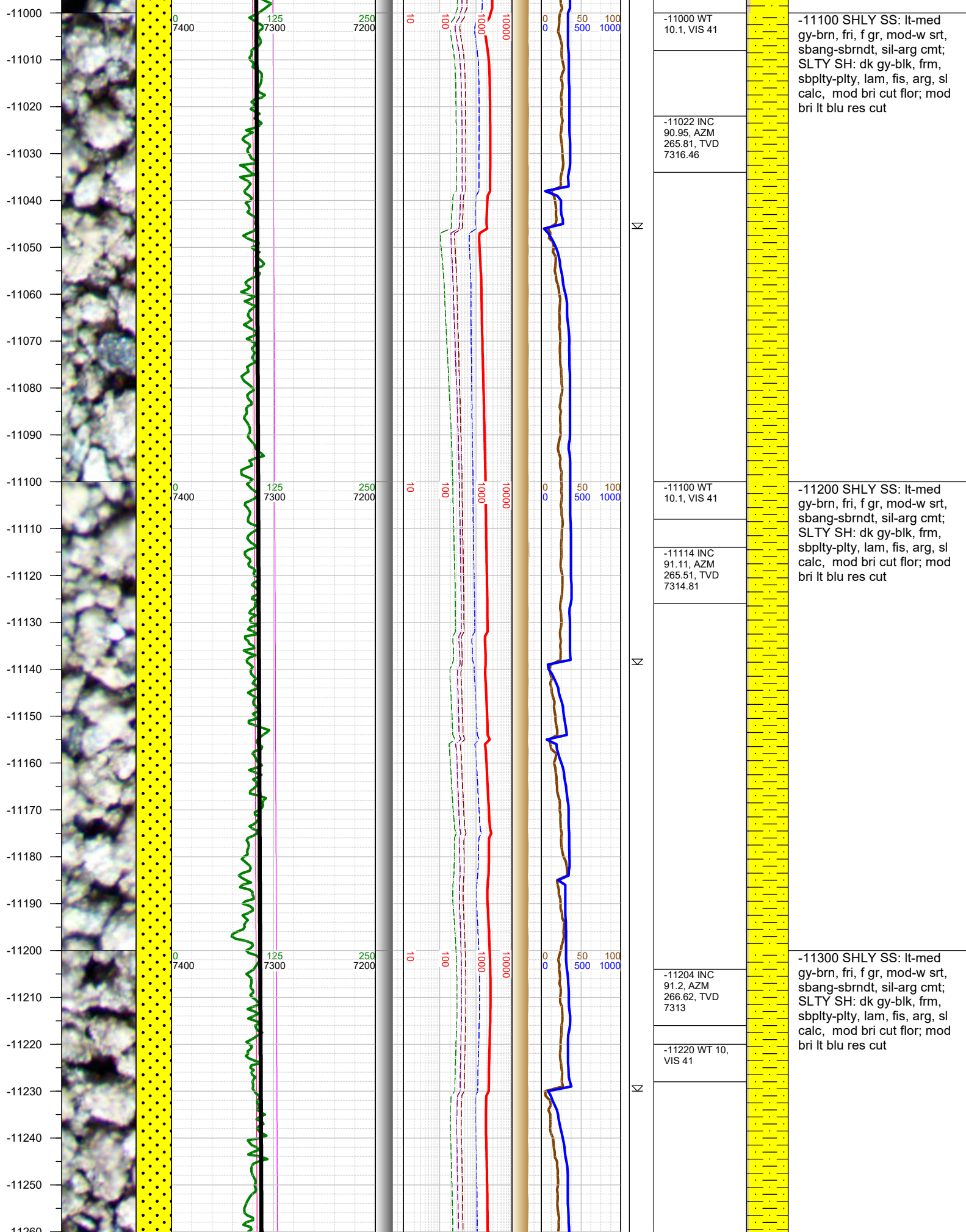
-10700 WT
10.1, VIS 41

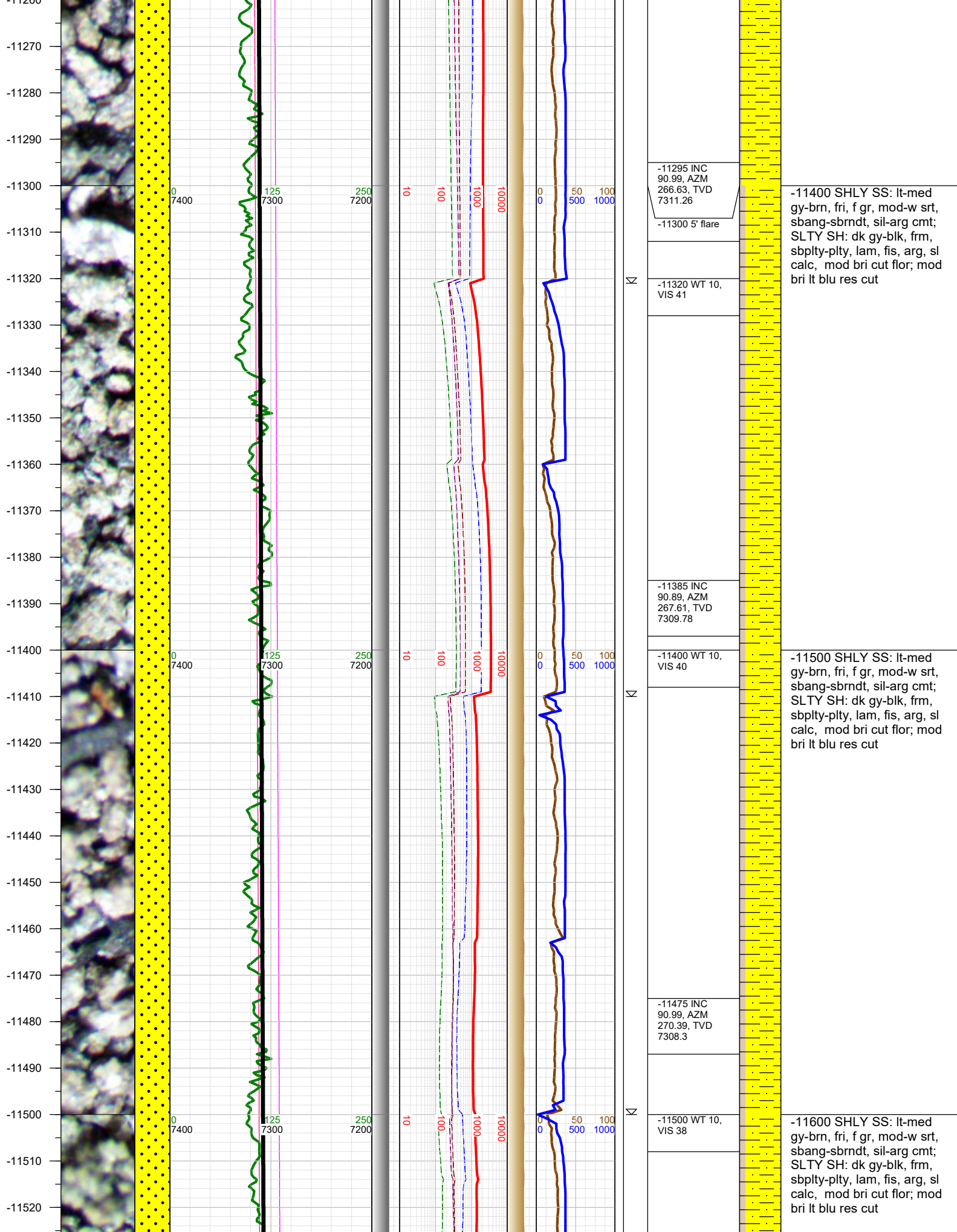
-10600 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SHLY SLTST: med gy, frm,
blky-sb blky, gr-rthy, sl
calc, fair cut flor; fair lt blu
res cut

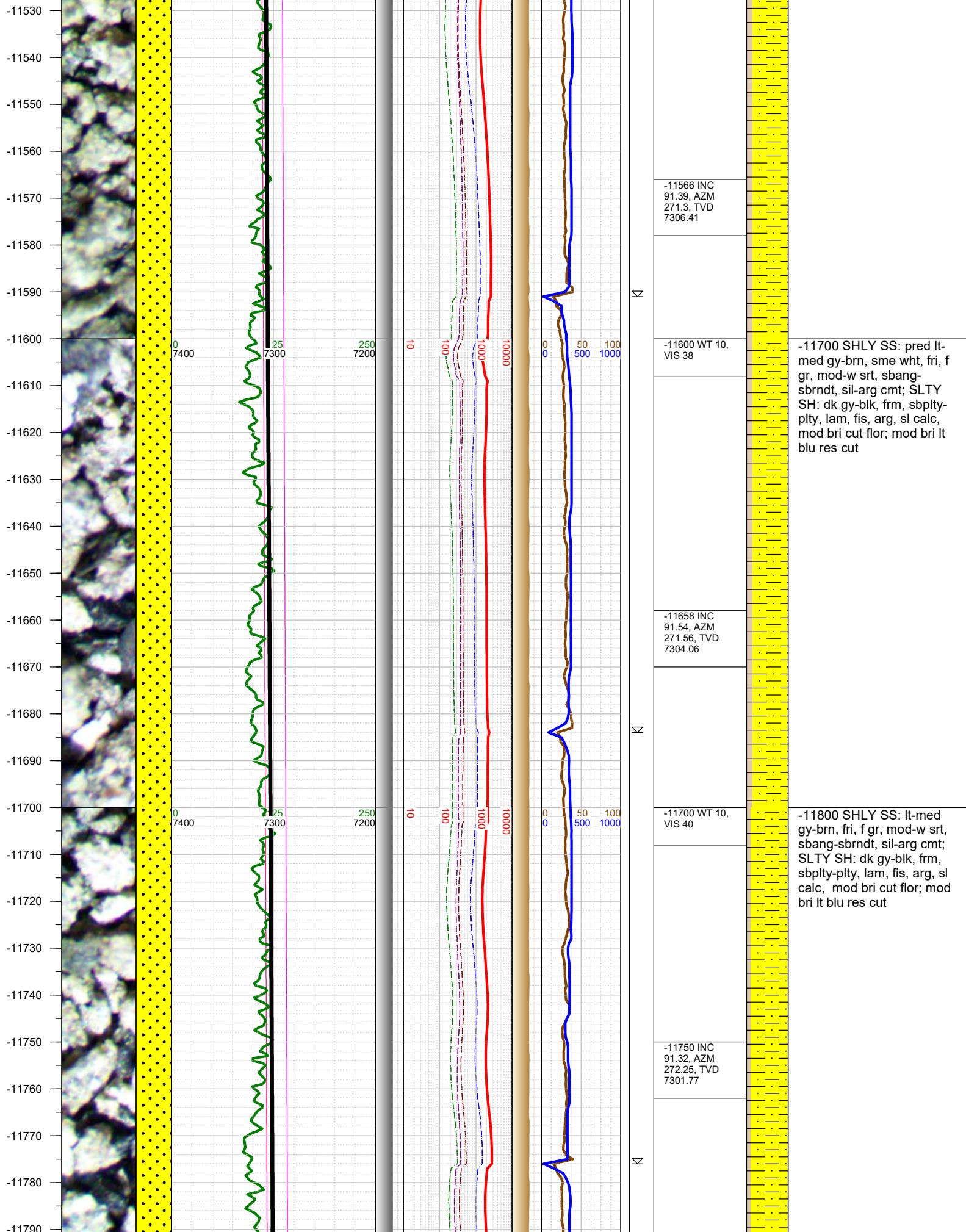
-10700 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SLTY SH: dk gy-blk, frm,
sbplty-plty, lam, fis, arg, sl
calc, mod bri cut flor; mod
bri lt blu res cut

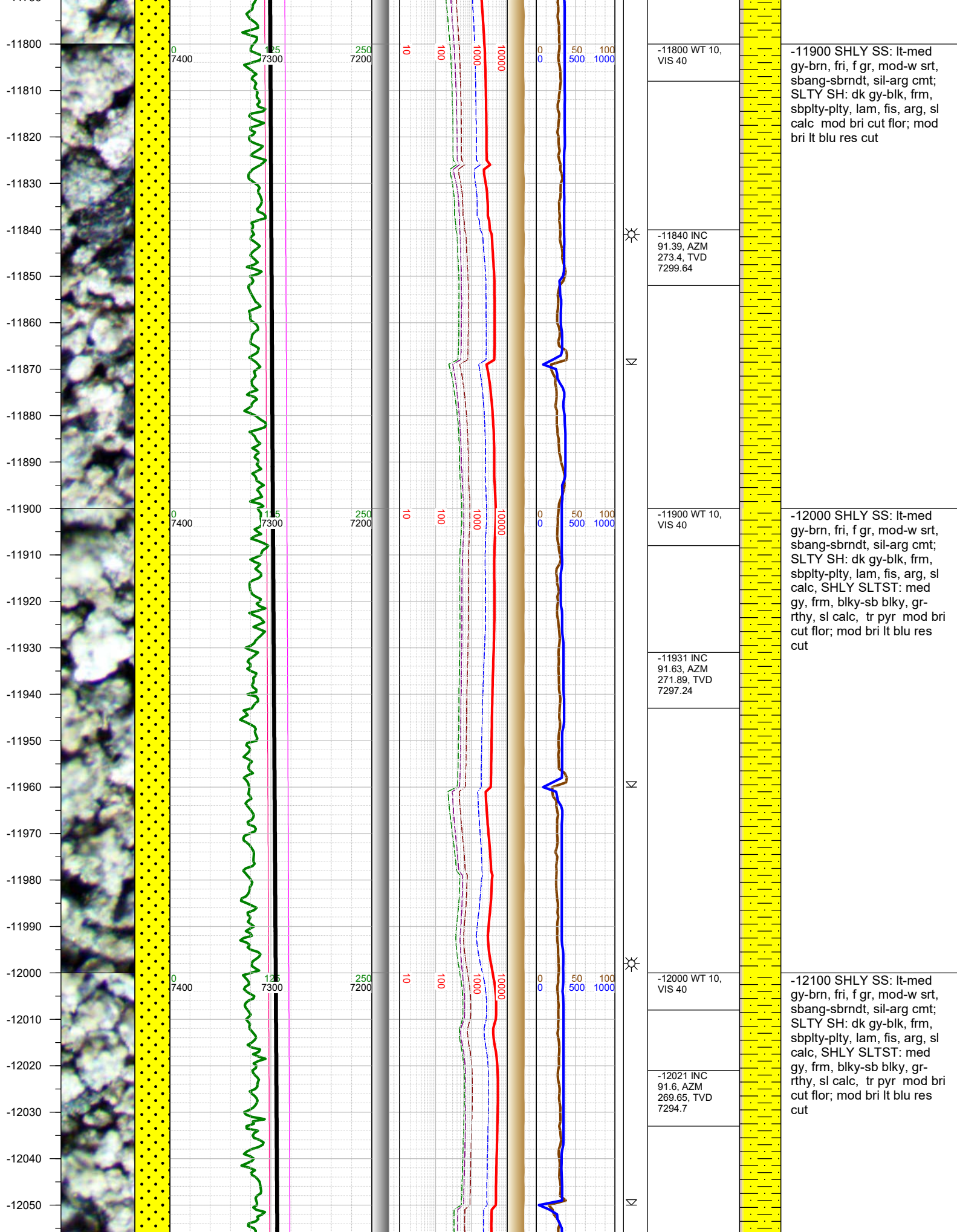
-10800 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SLTY SH: dk gy-blk, frm,
sbplty-plty, lam, fis, arg, sl
calc, mod bri cut flor; mod
bri lt blu res cut

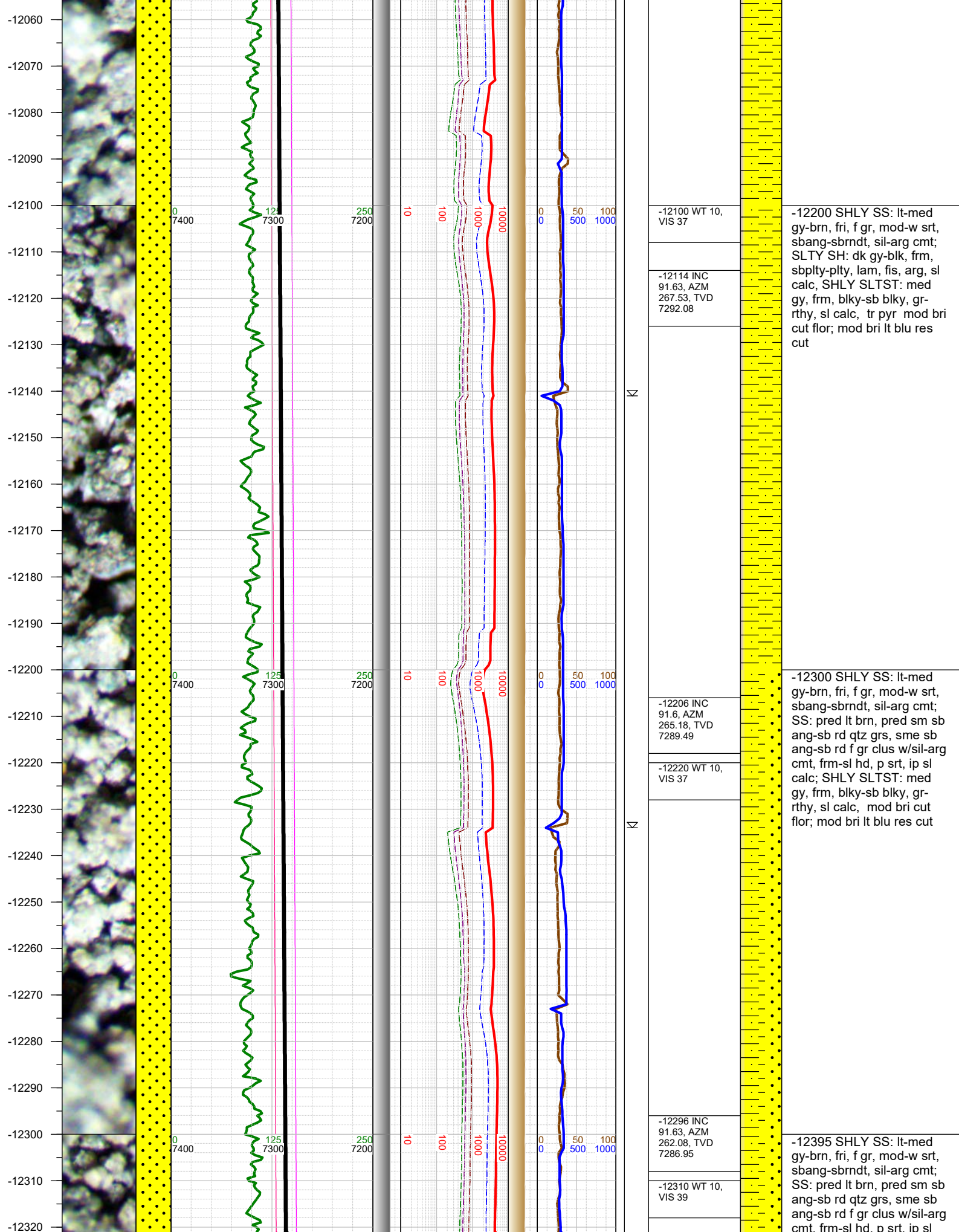


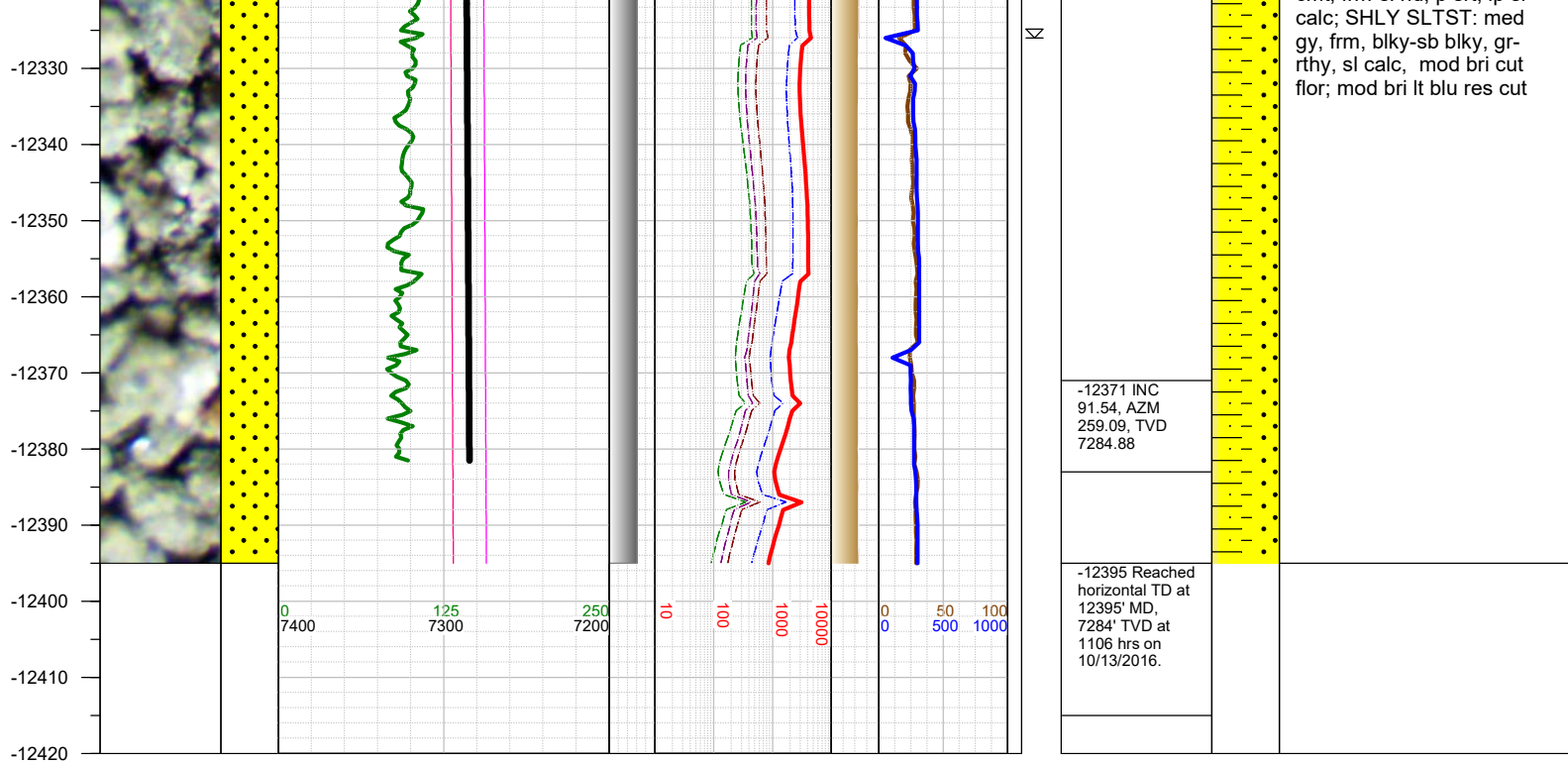












TOTAL DEPTH = 12395'

Thank you for using Earth Science Agency