

OPERATOR: **Bill Barrett Corp.**

WELL NAME: **AEF 4-62-28-1609C**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Savanna 802

API #: 05-123-42740

LAT/LONG: 40.287386, -104.33735

SURFACE HOLE: NWNW S28-T4N-R62W, 950' FNL, 316' FWL

BOTTOM HOLE: NENE S27-T4N-R62W, 1060' FNL, 500' FEL



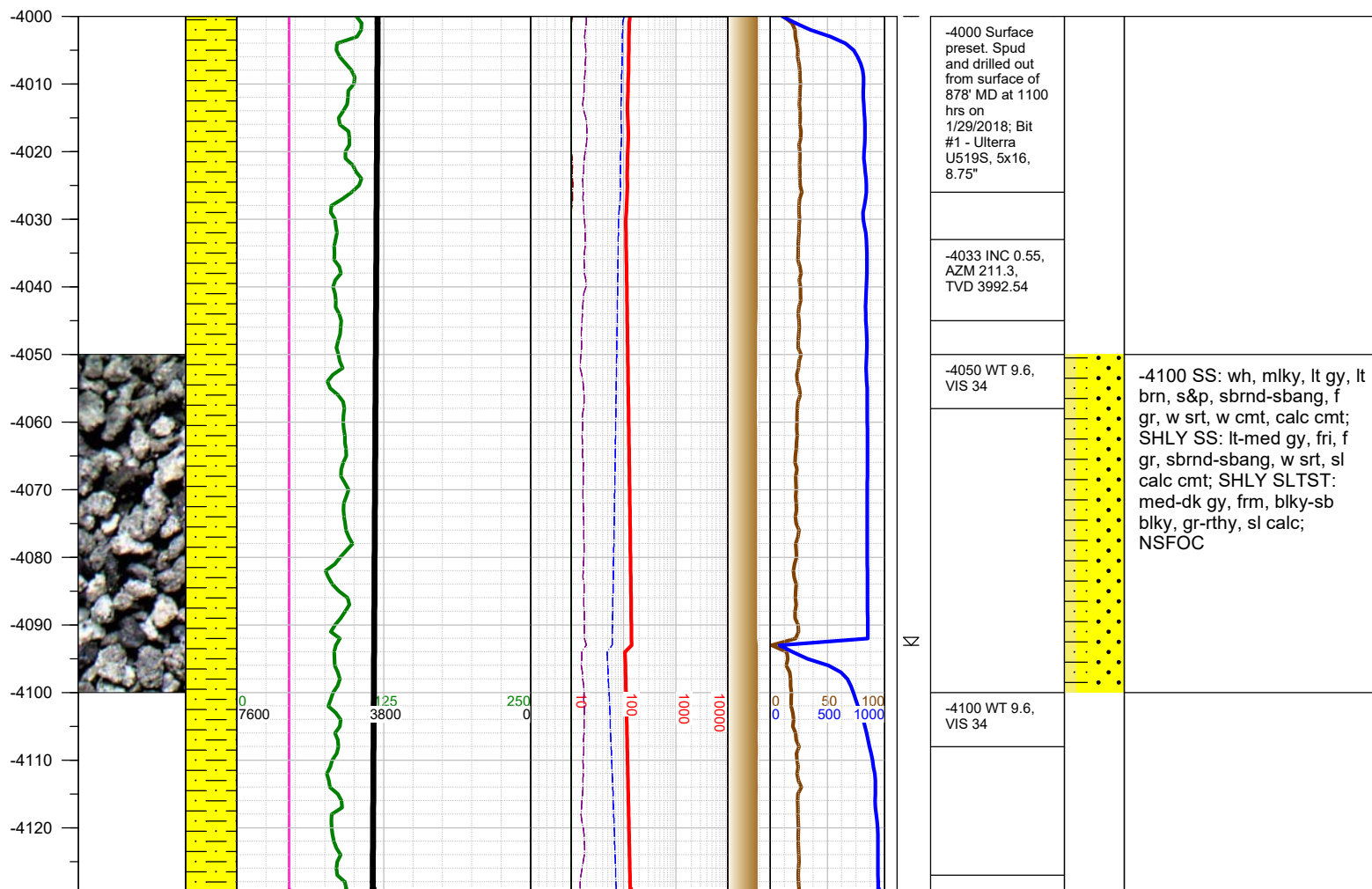
Earth Science Agency, LLC

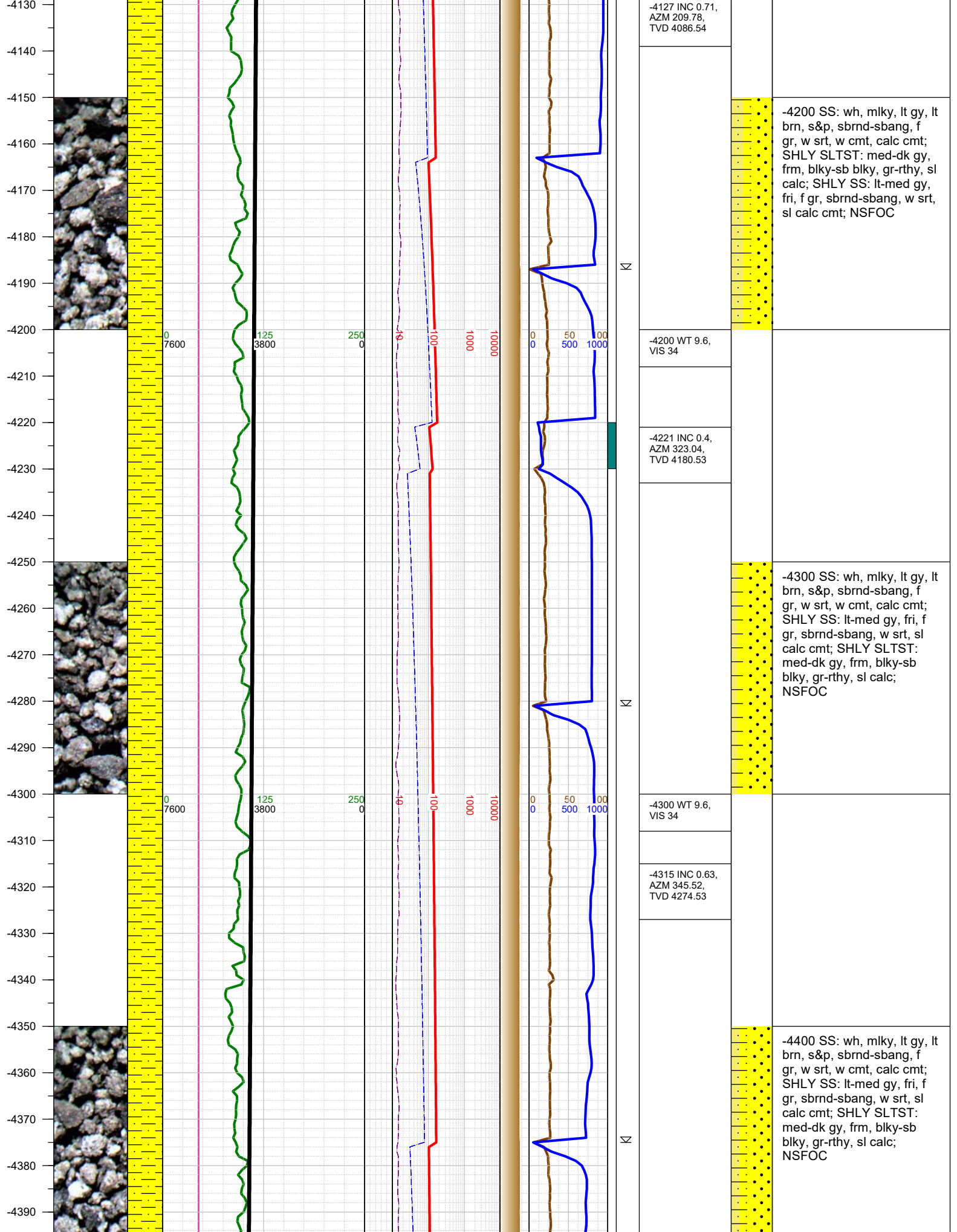
COUNTY: Weld  
STATE: Colorado  
GROUND ELEVATION: 4574'  
KELLY BUSHING: 4594'  
DRILLING FLUID: LSND  
TVD VS. MD: 6137' / 16253'  
SPUD DATE: January 29, 2018  
TD DATE: February 3, 2018  
  
DEPTHS LOGGED: 4000' - 16253'  
DATES LOGGED: January 29, 2018 - February 3, 2018  
GEOLOGISTS: Rob Semple, Kyle Welty  
SCALE: 5" = 100'

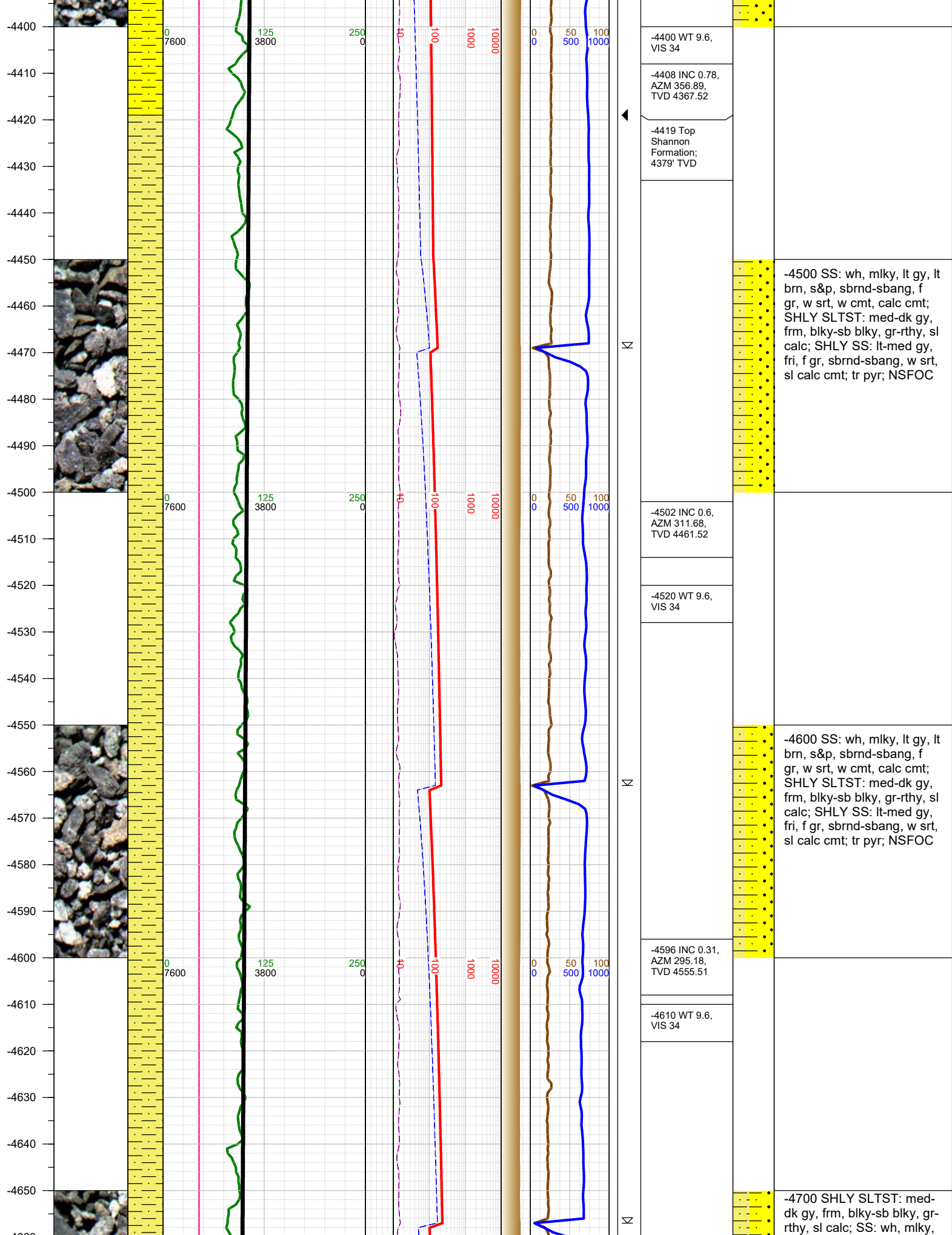
#### LEGEND



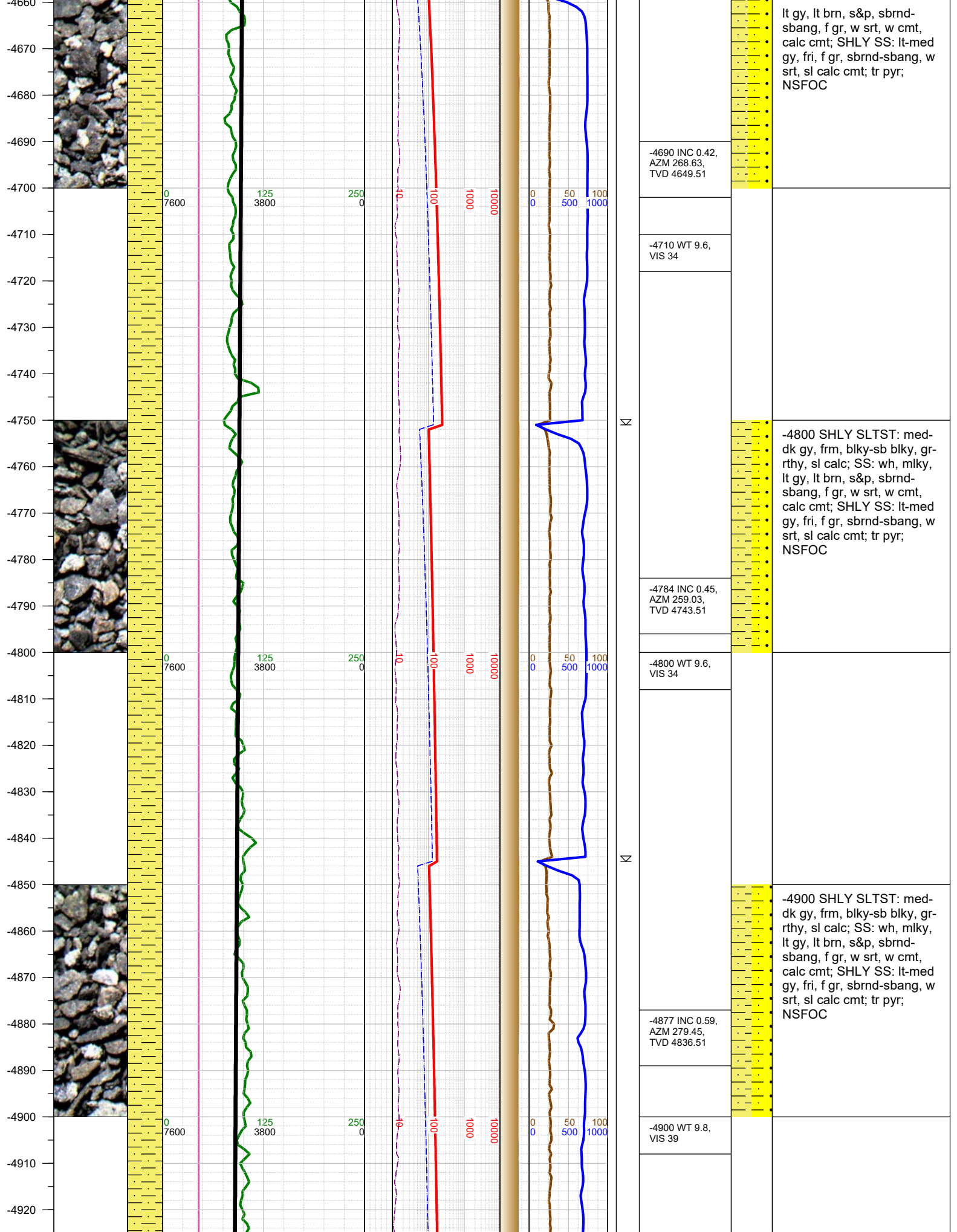
FORMATION  $\approx$  CONNECTION  $\Delta$  MIDNIGHT NEW BIT GAS SHOW FAULT



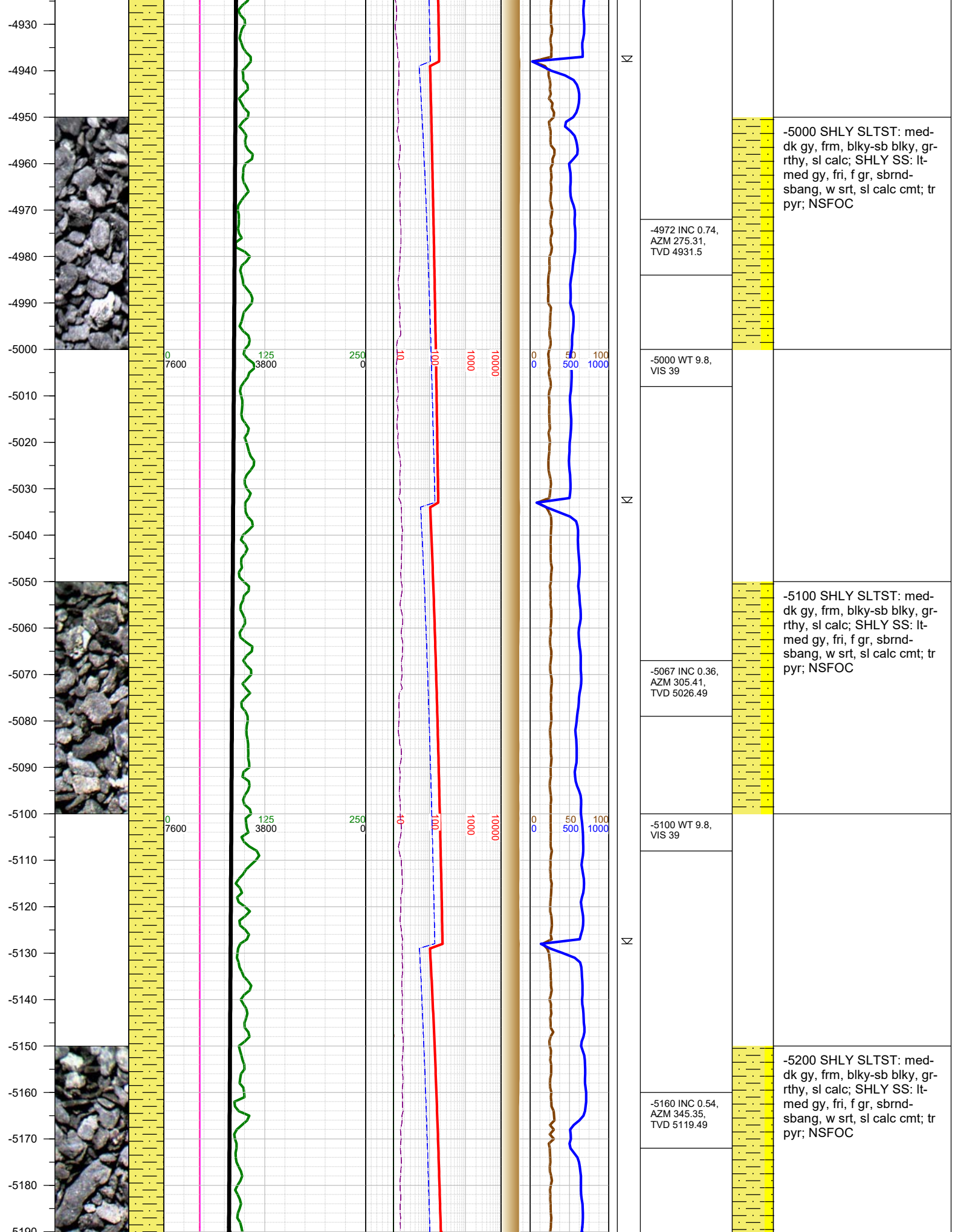


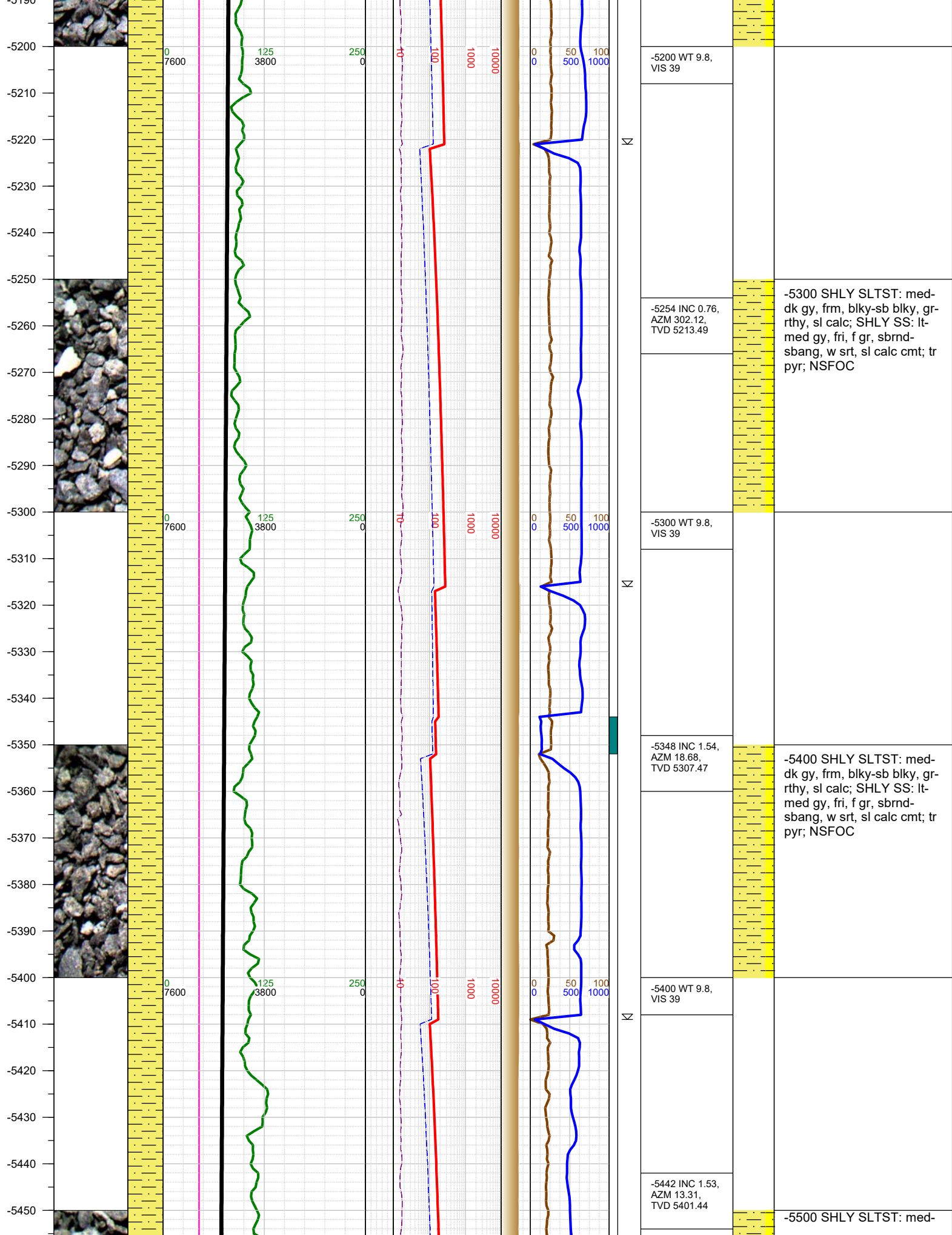


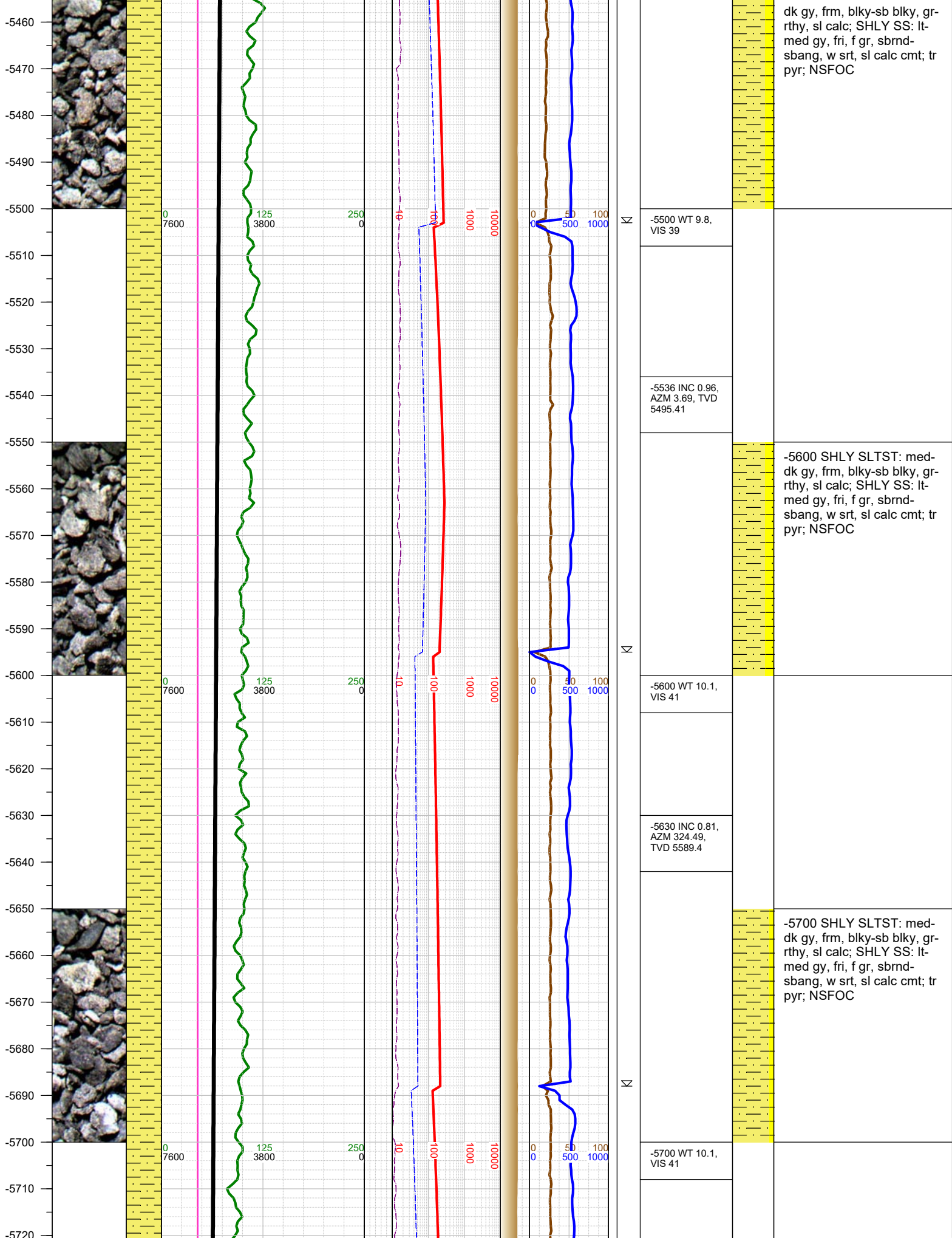




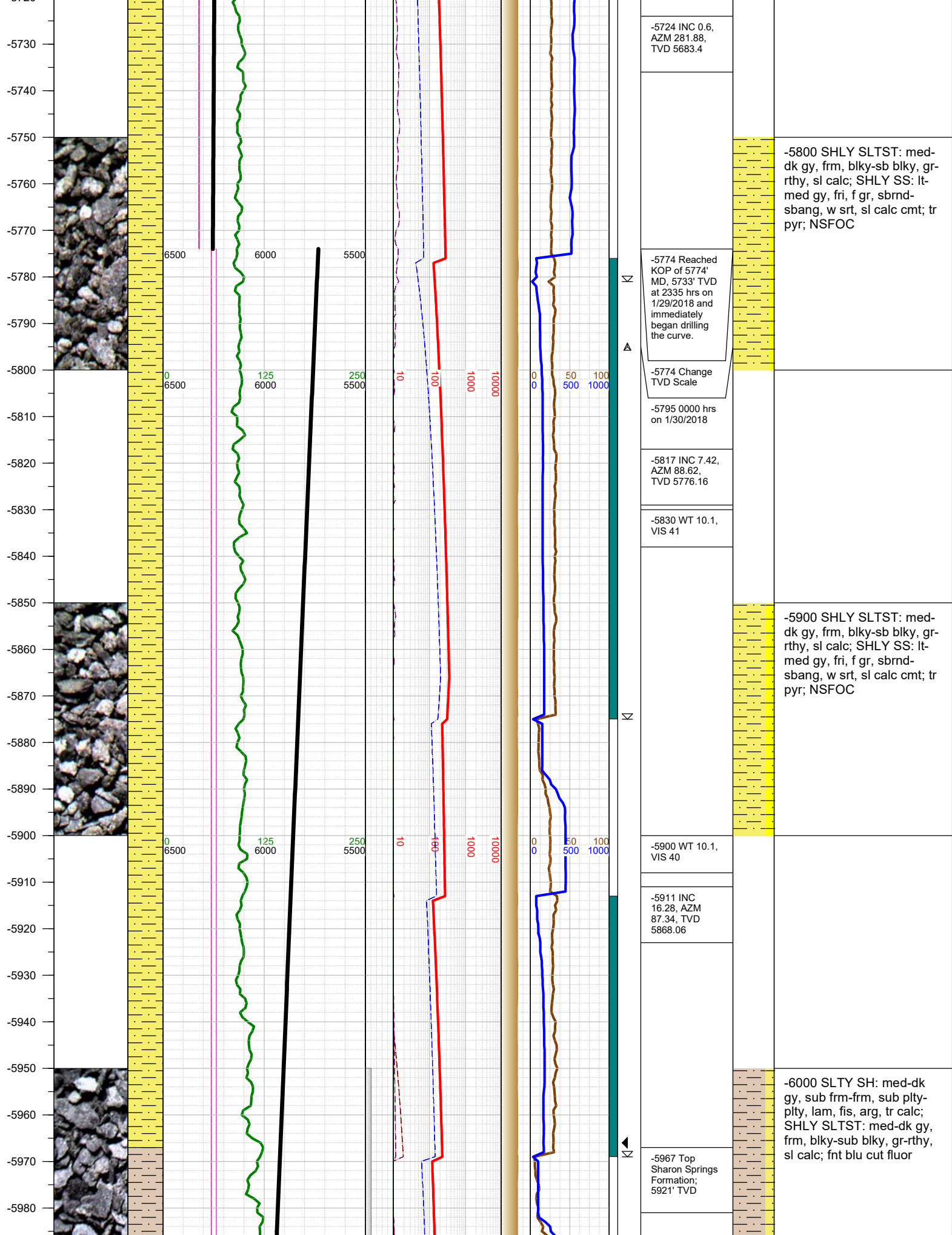


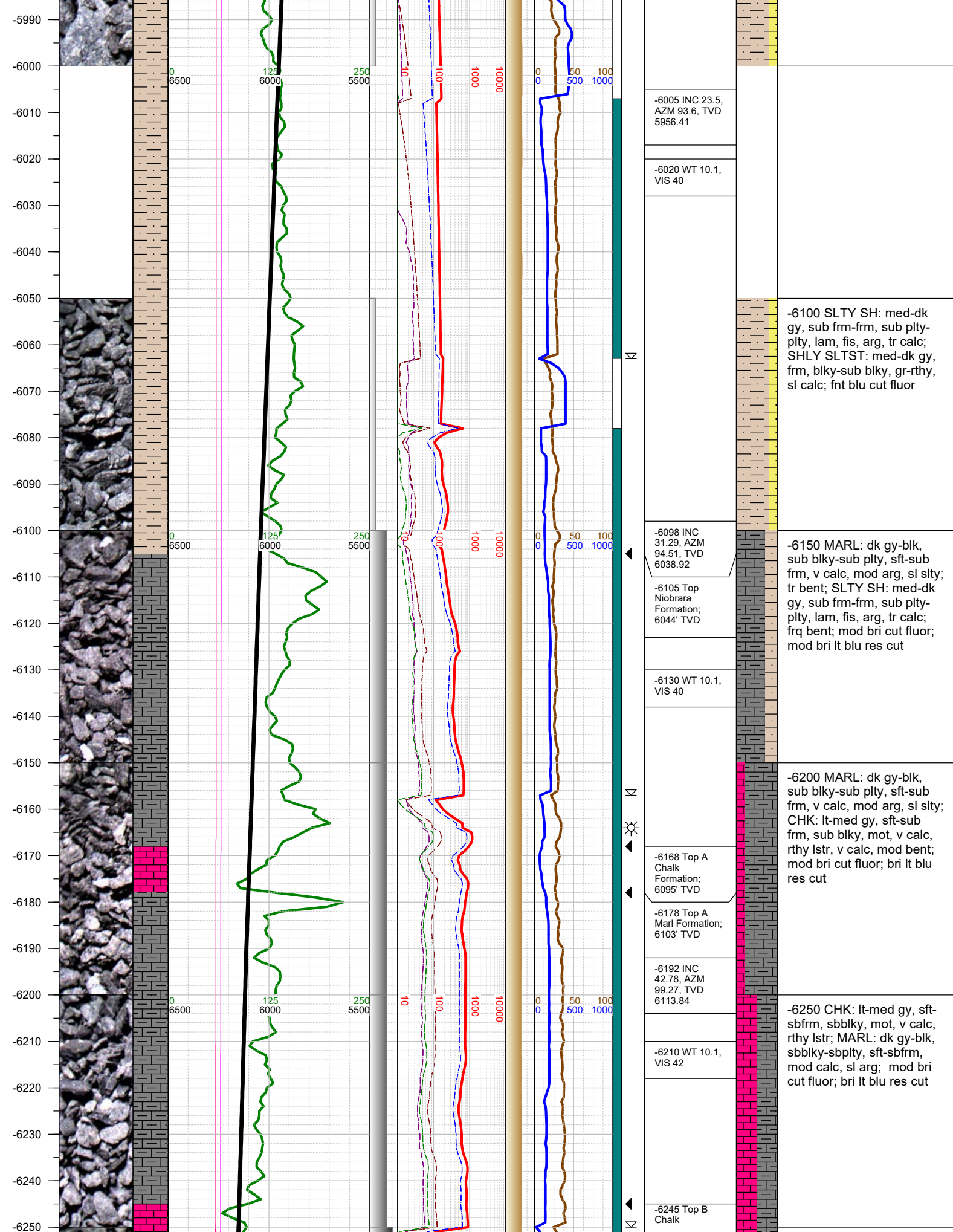












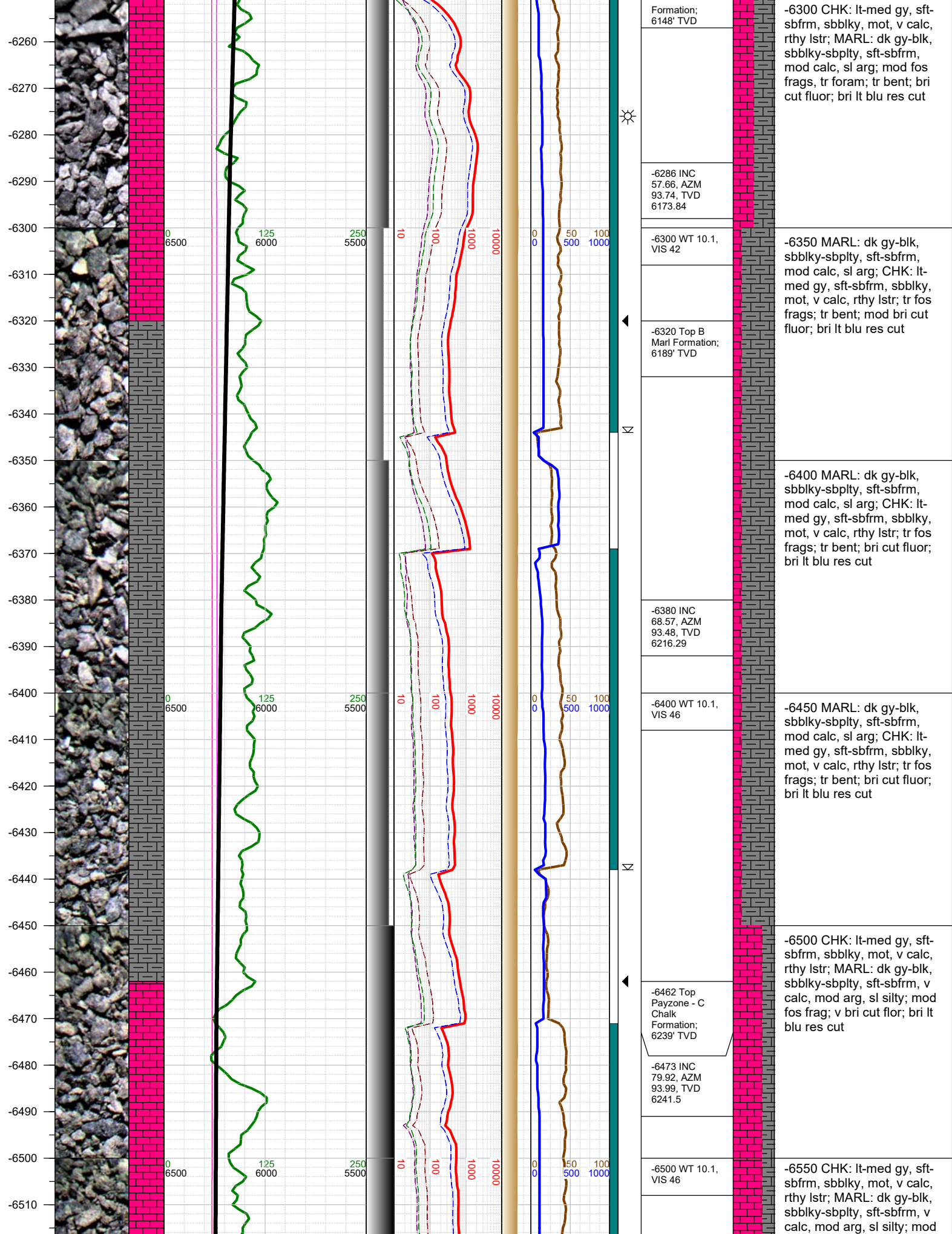
-6100 SLTY SH: med-dk gy, sub frm-frm, sub plty-plty, lam, fis, arg, tr calc; SHLY SLTST: med-dk gy, frm, blk-sub blk, gr-rthy, sl calc; fnt blu cut fluor

-6150 MARL: dk gy-blk, sub blk-sub plty, sft-sub frm, v calc, mod arg, sl slty; tr bent; SLTY SH: med-dk gy, sub frm-frm, sub plty-plty, lam, fis, arg, tr calc; frq bent; mod bri cut fluor; mod bri lt blu res cut

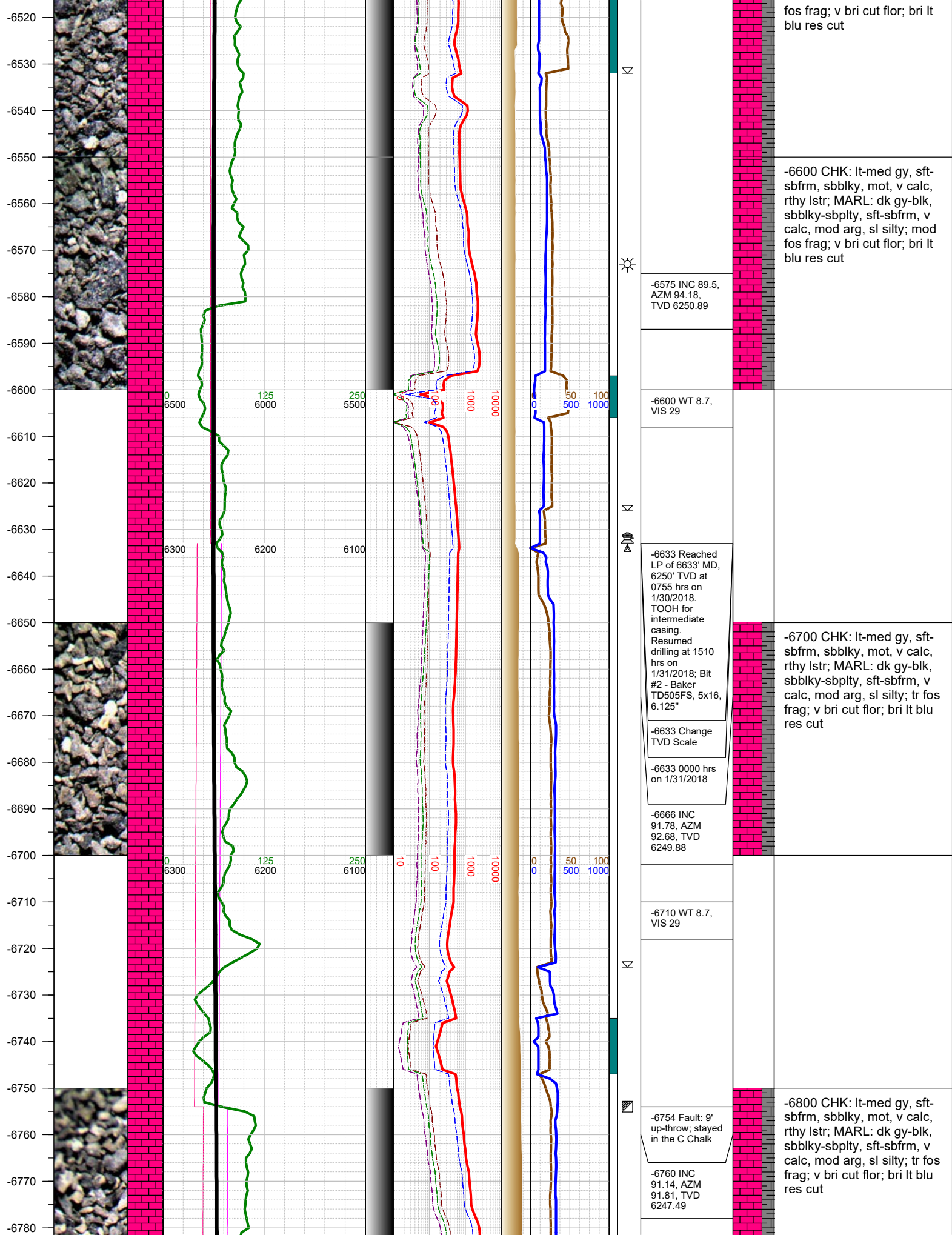
-6200 MARL: dk gy-blk, sub blk-sub plty, sft-sub frm, v calc, mod arg, sl slty; CHK: lt-med gy, sft-sub frm, sub blk, mot, v calc, rthy lstr, v calc, mod bent; mod bri cut fluor; bri lt blu res cut

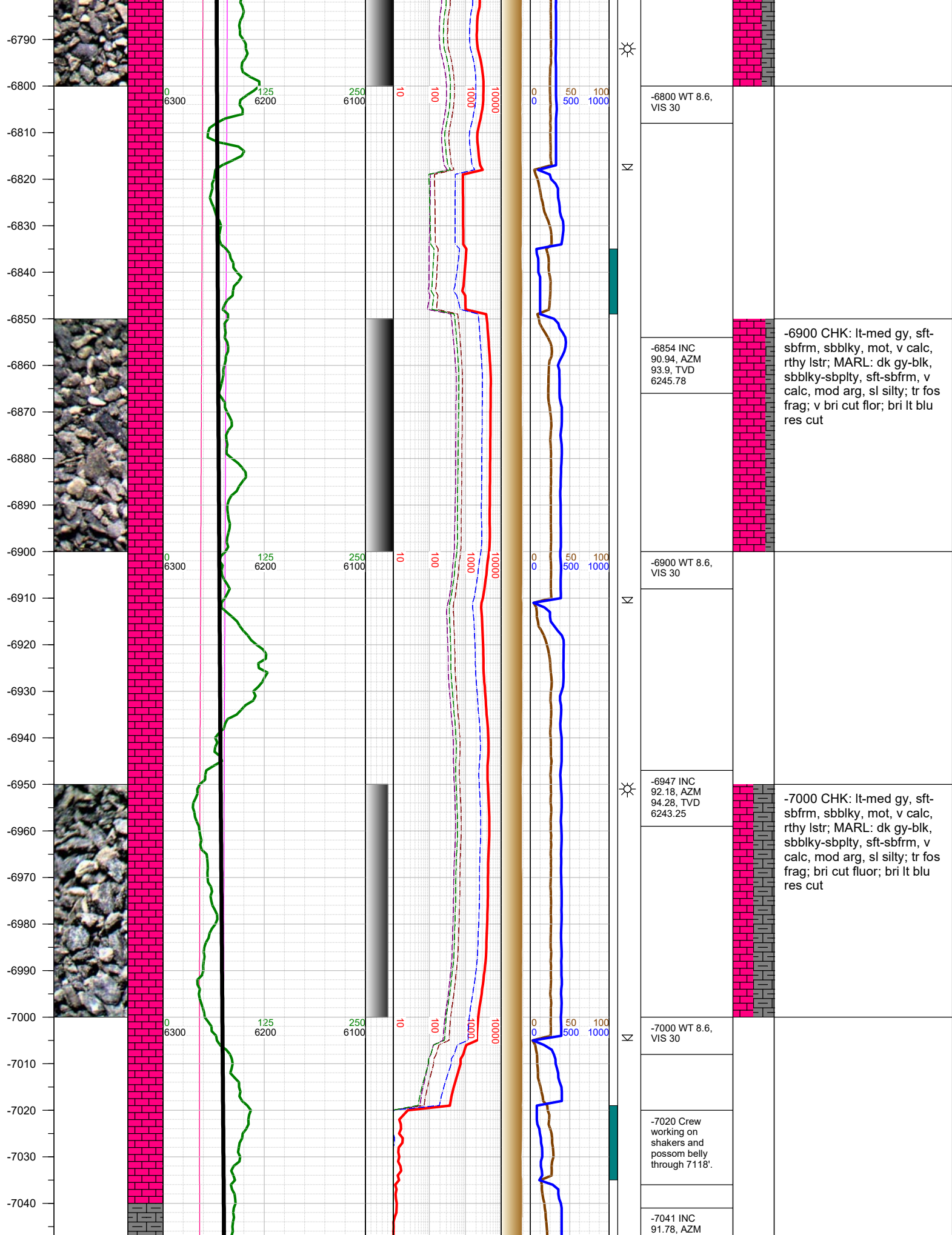
-6250 CHK: lt-med gy, sft-sbfrm, sbblk, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblk-sbplty, sft-sbfrm, mod calc, sl arg; mod bri cut fluor; bri lt blu res cut

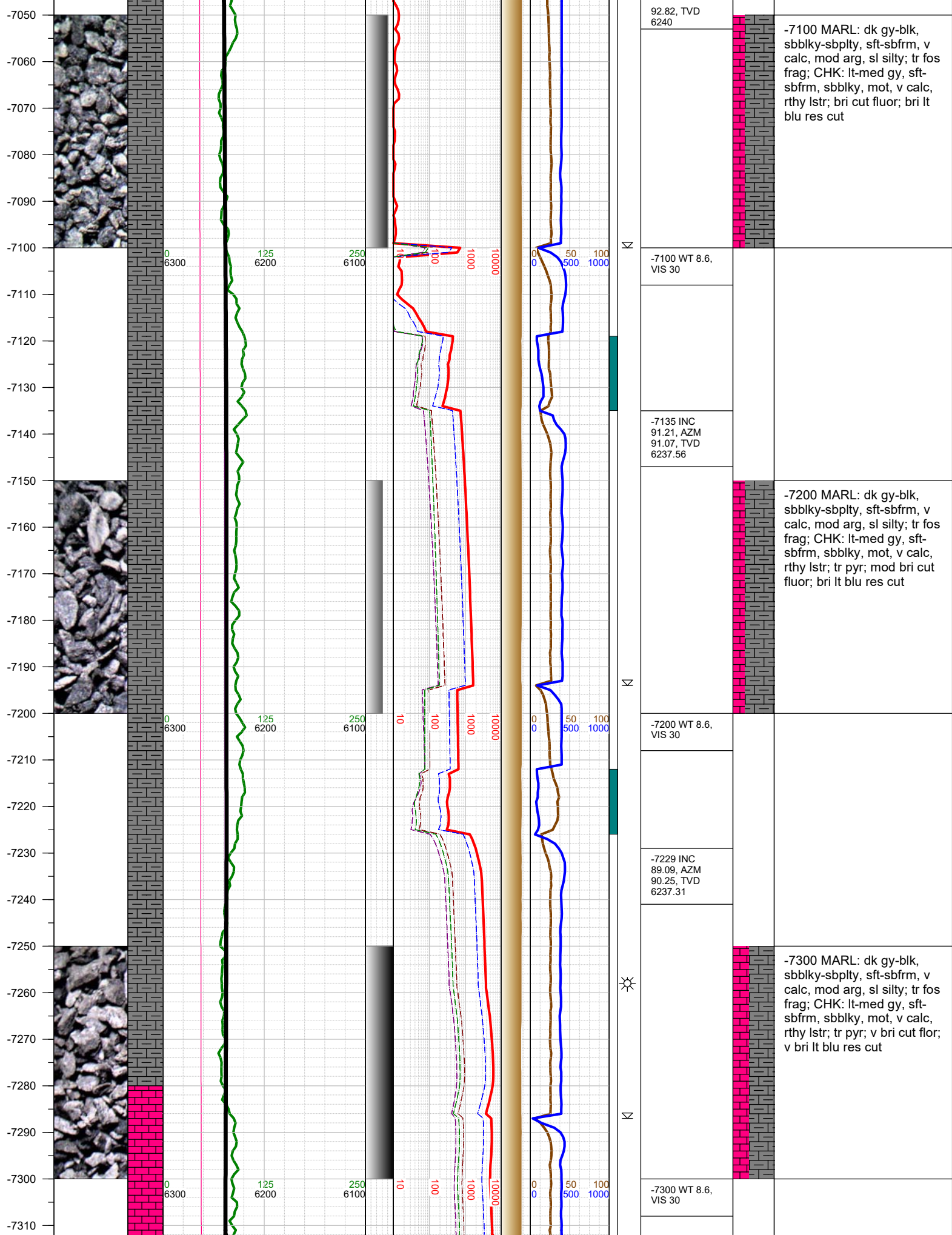




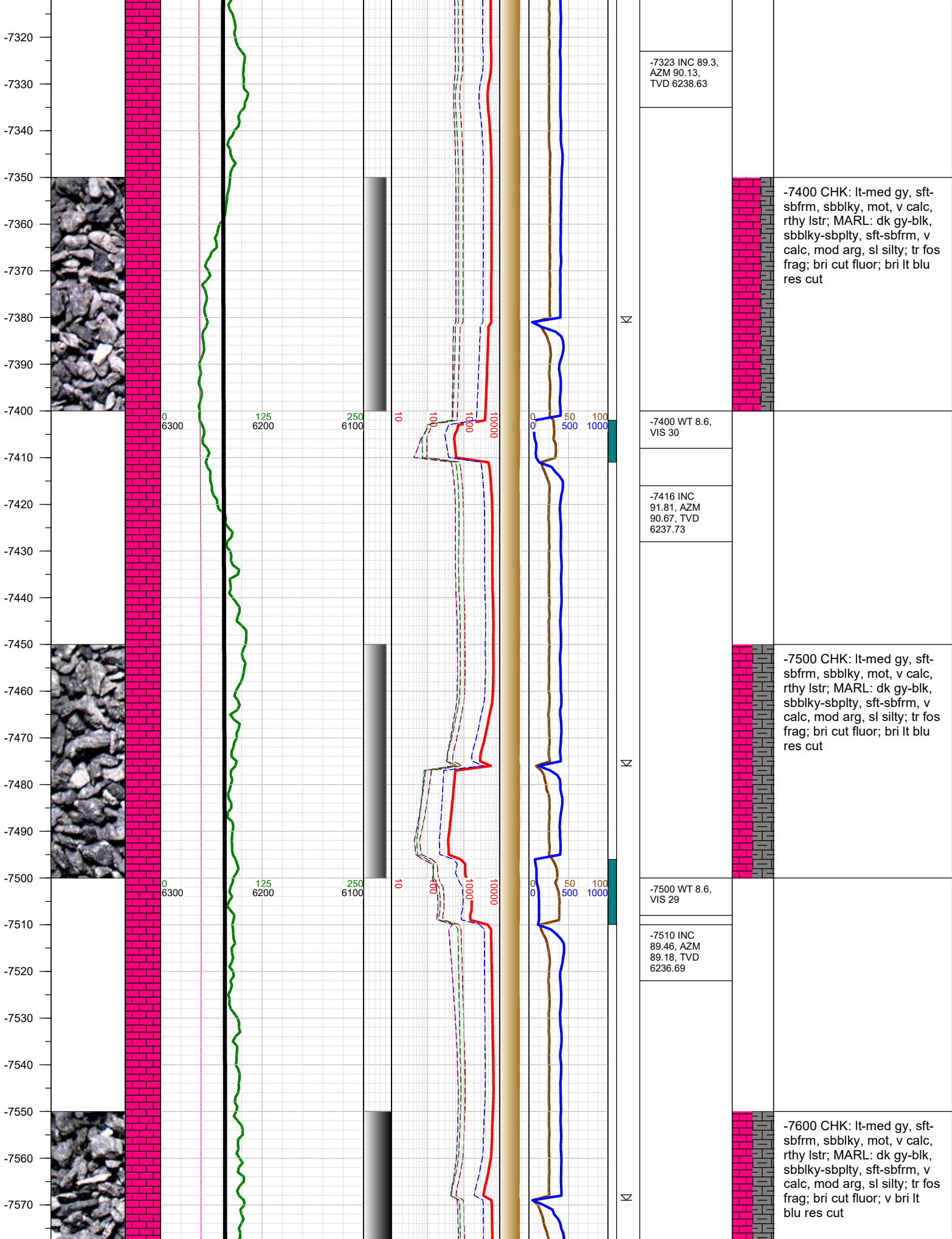


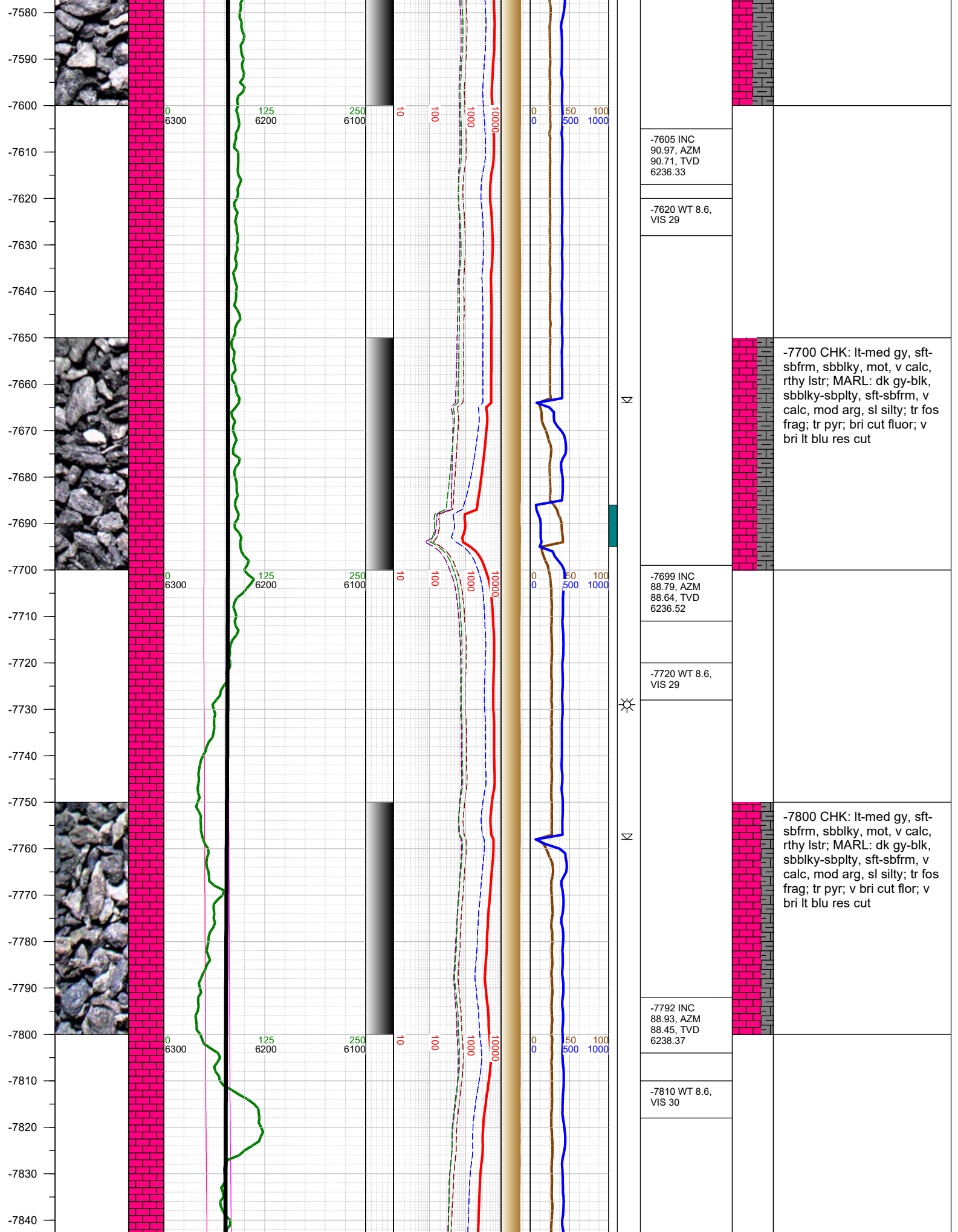


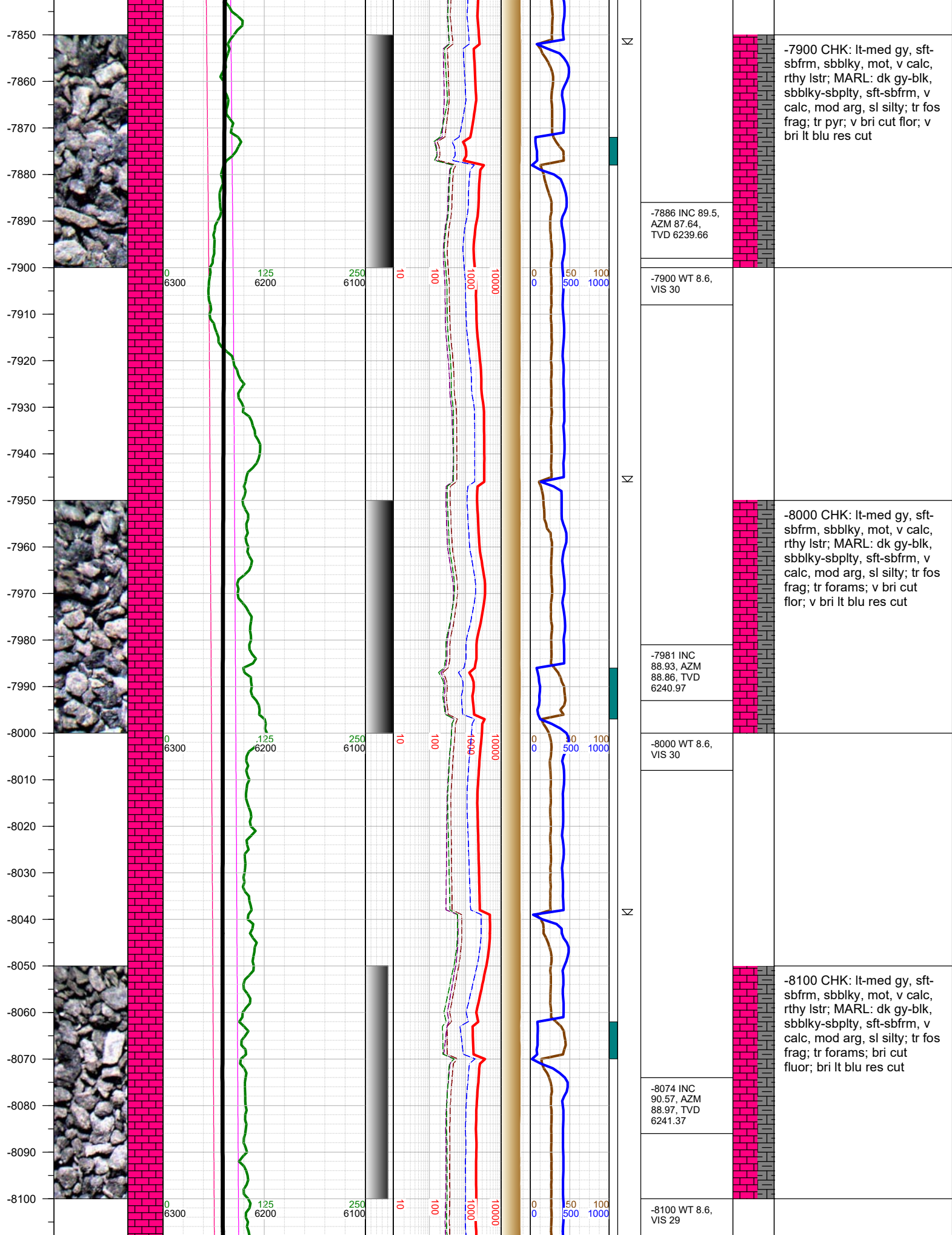




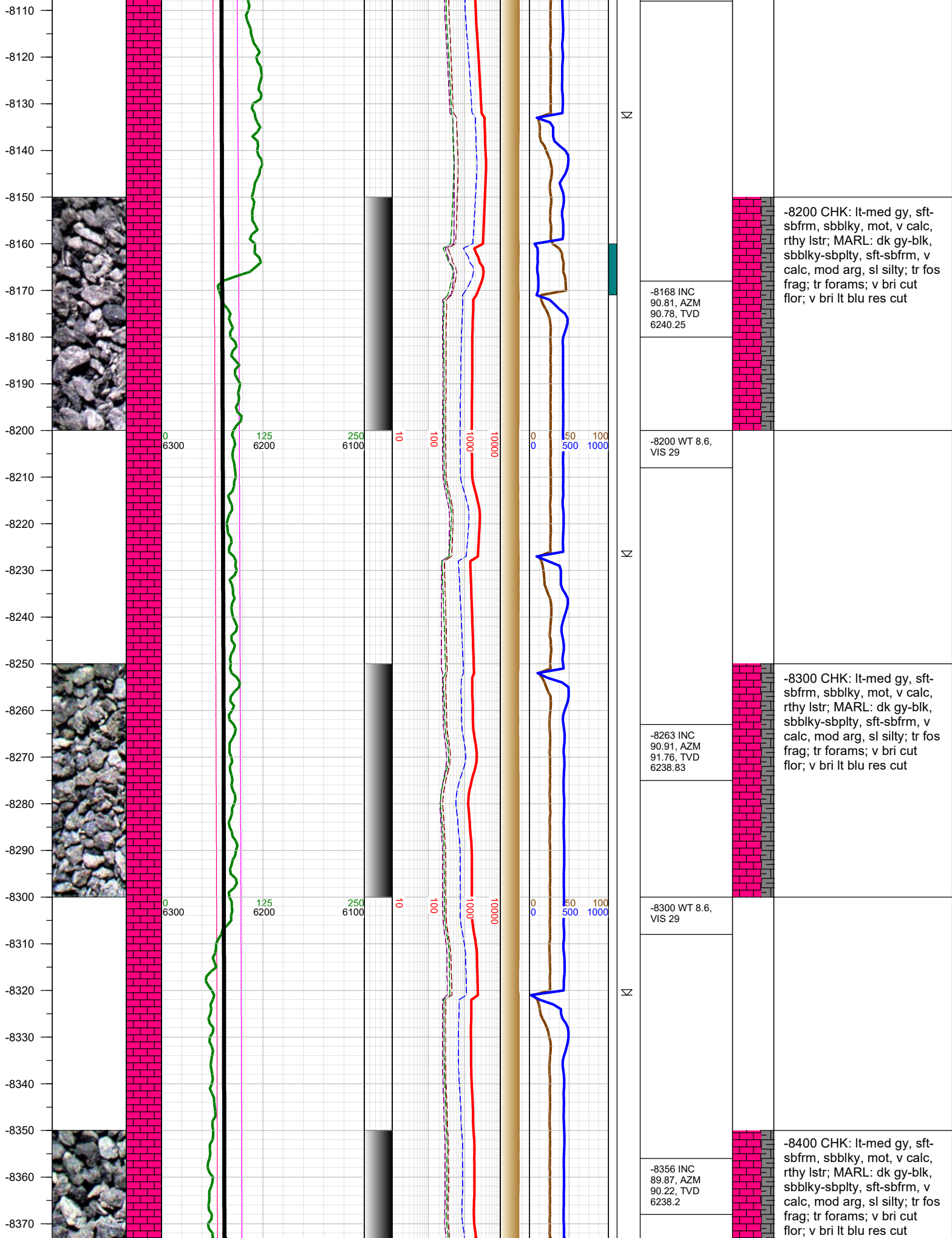


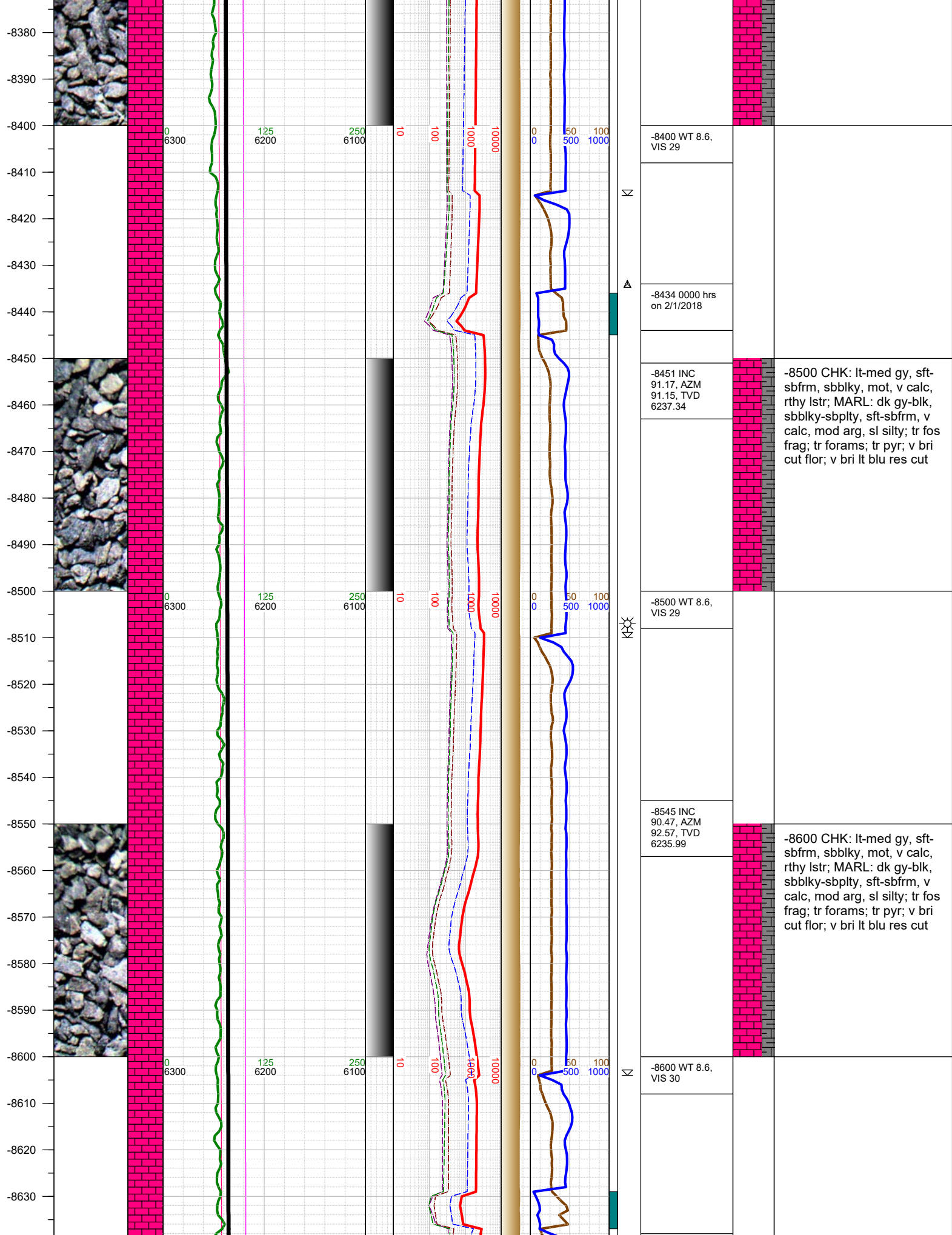


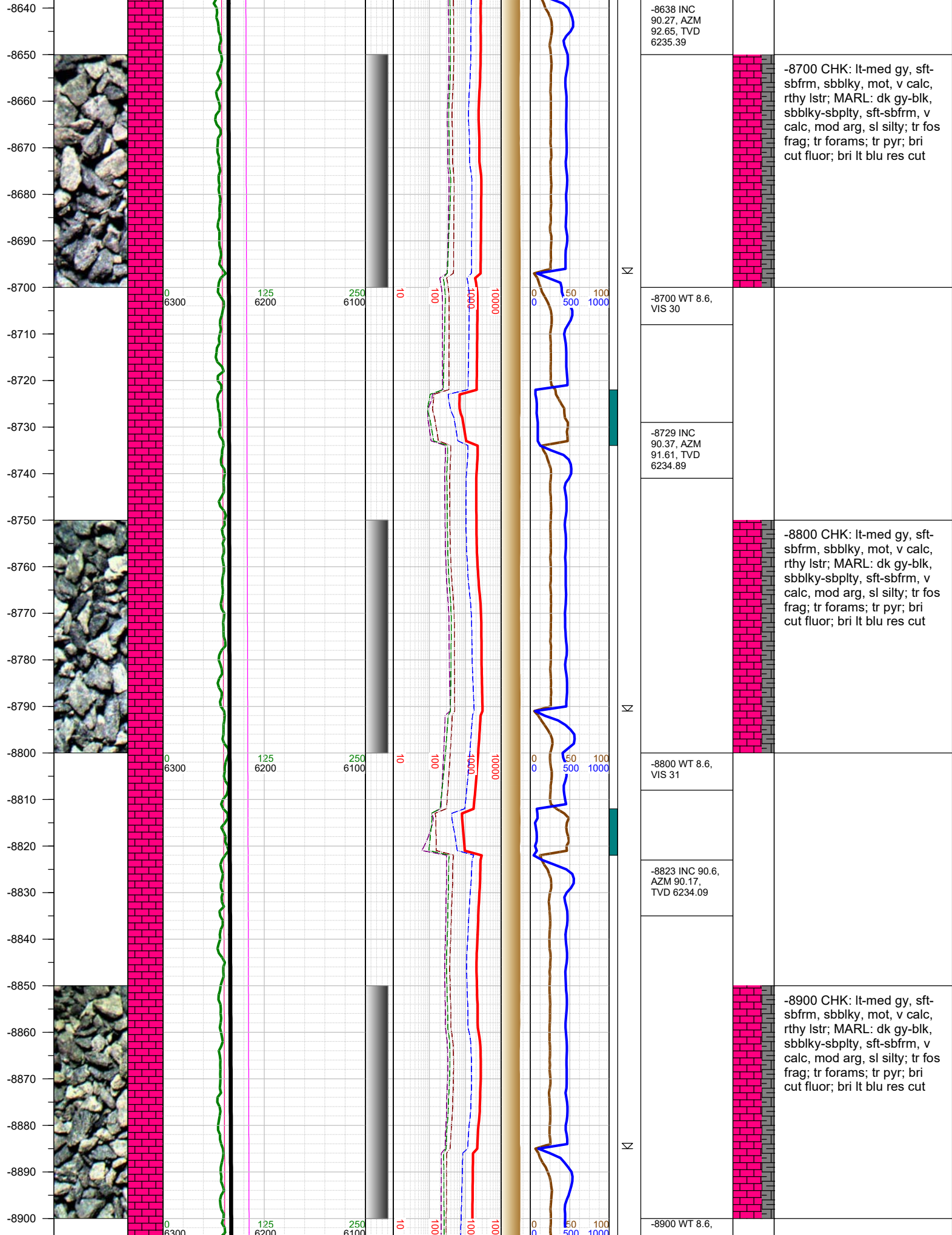




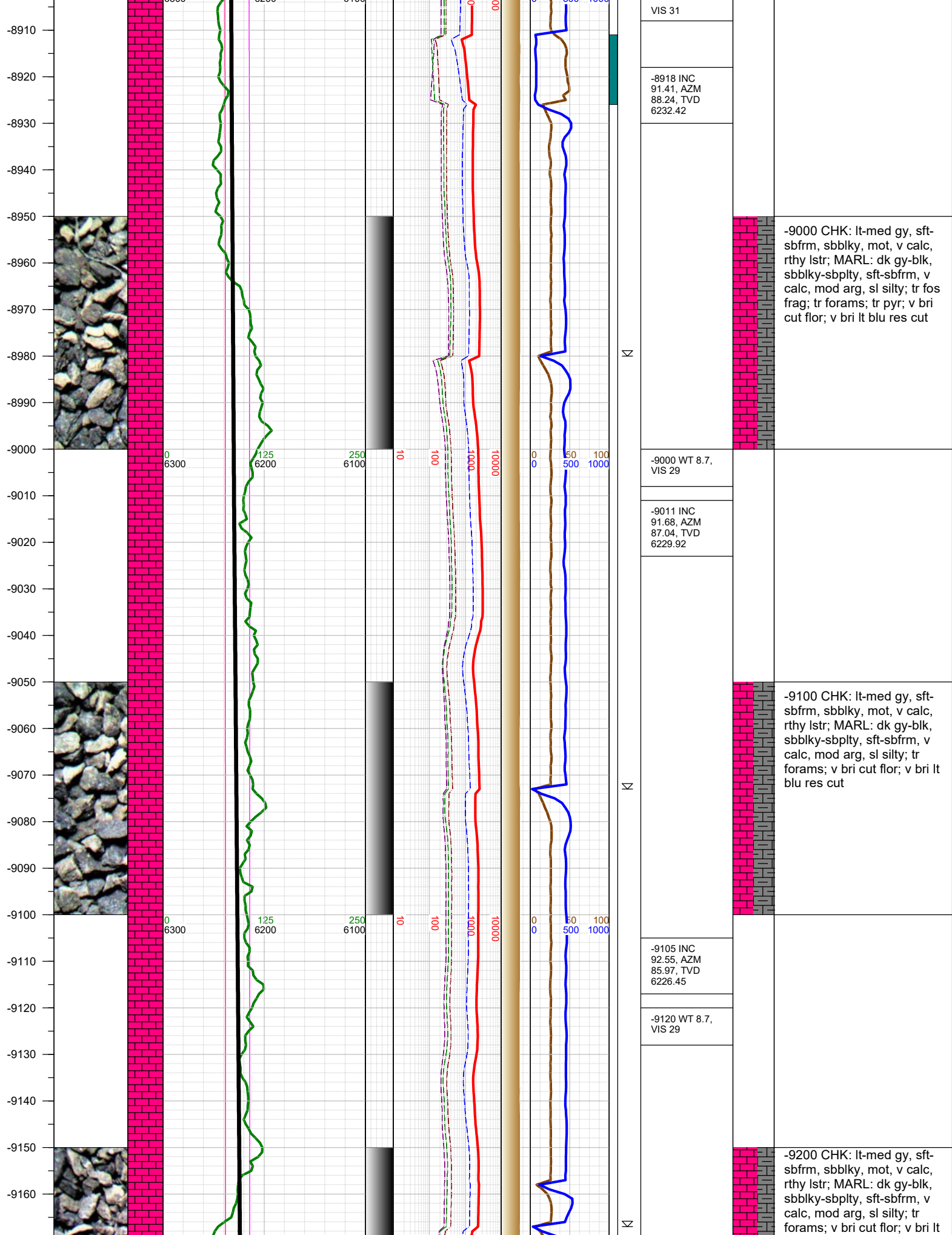


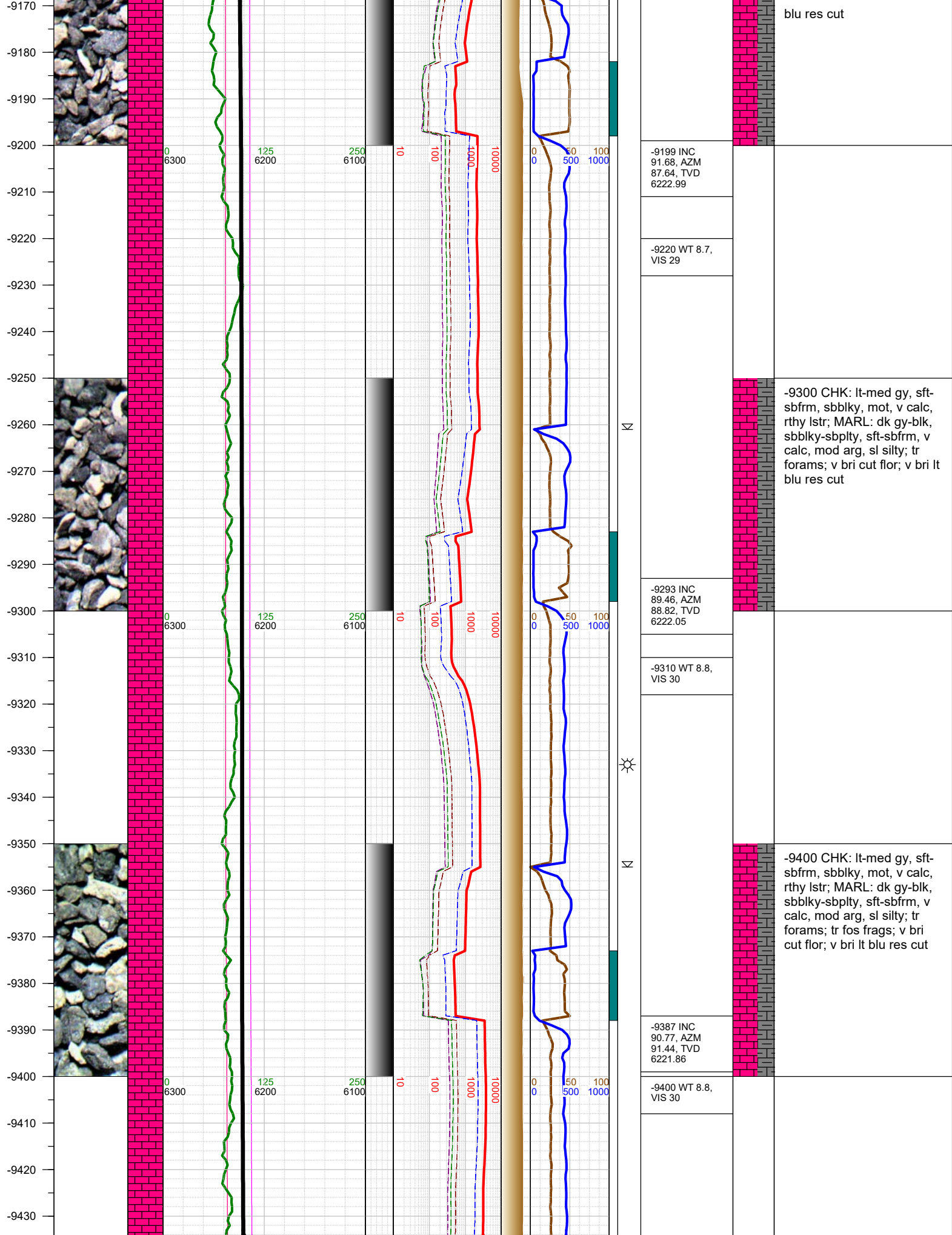


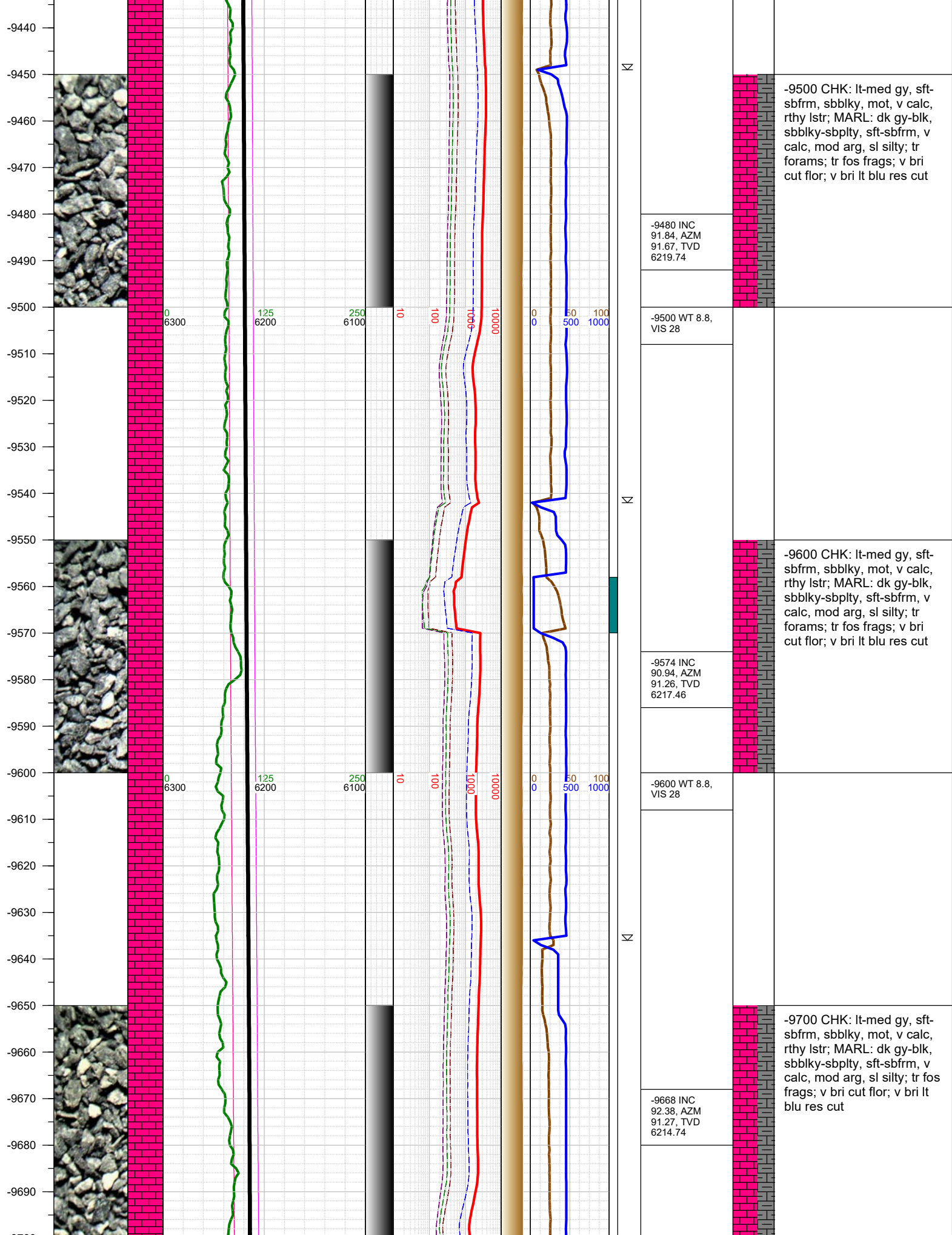






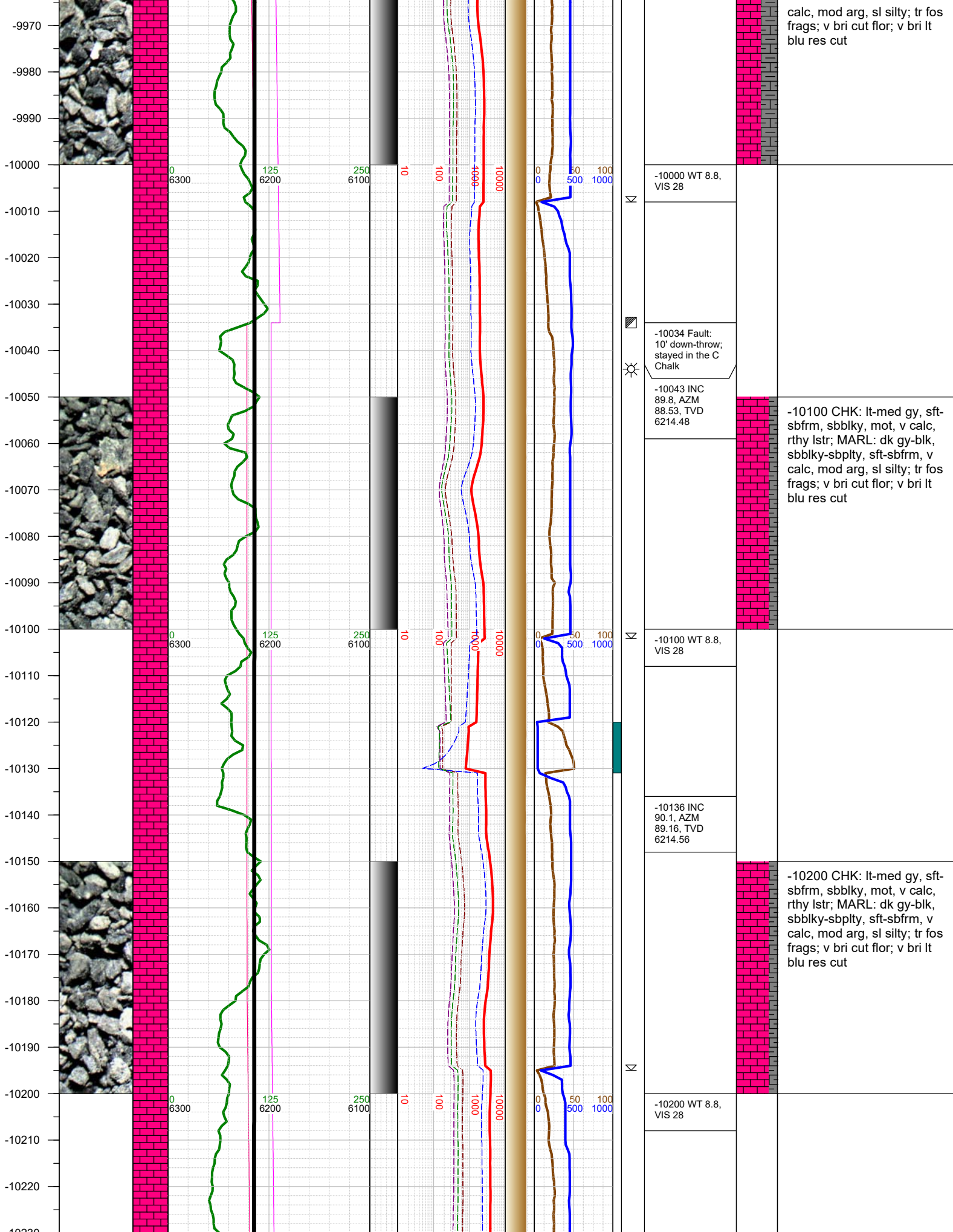












calc, mod arg, sl silty; tr fos frags; v bri cut flr; v bri lt blu res cut

-10000 WT 8.8, VIS 28

-10034 Fault: 10' down-throw; stayed in the C Chalk

-10043 INC 89.8, AZM 88.53, TVD 6214.48

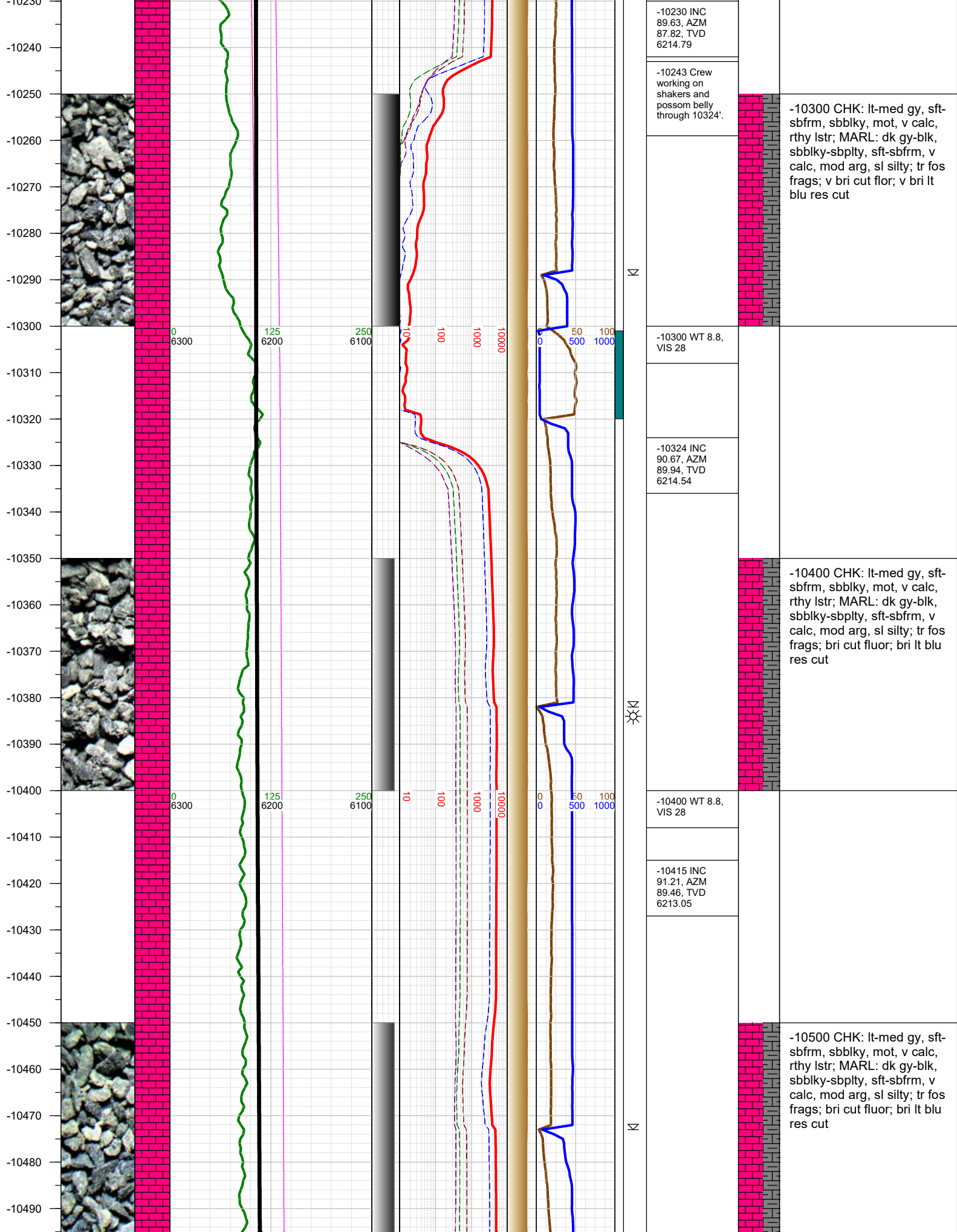
-10100 CHK: lt-med gy, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, v calc, mod arg, sl silty; tr fos frags; v bri cut flr; v bri lt blu res cut

-10100 WT 8.8, VIS 28

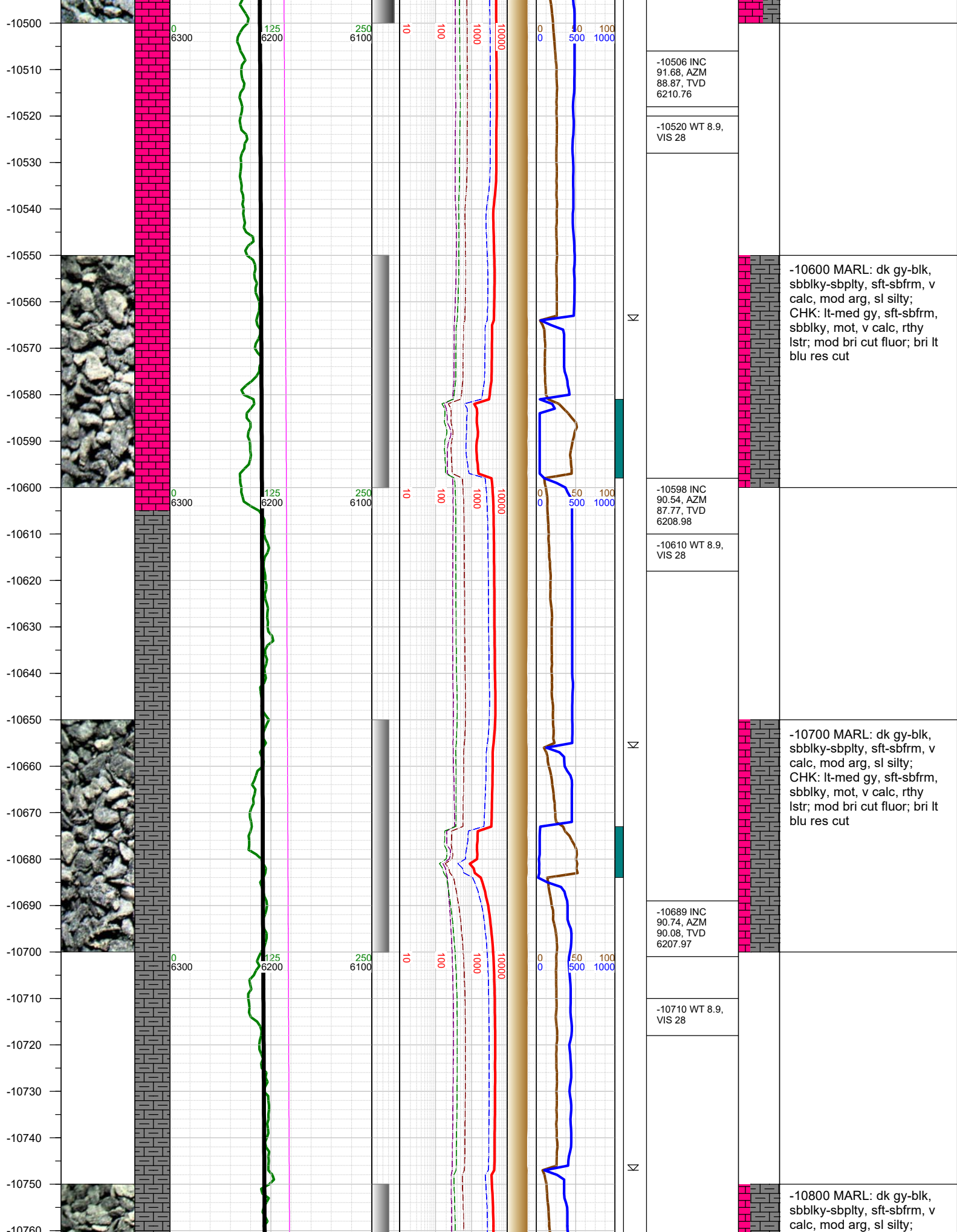
-10136 INC 90.1, AZM 89.16, TVD 6214.56

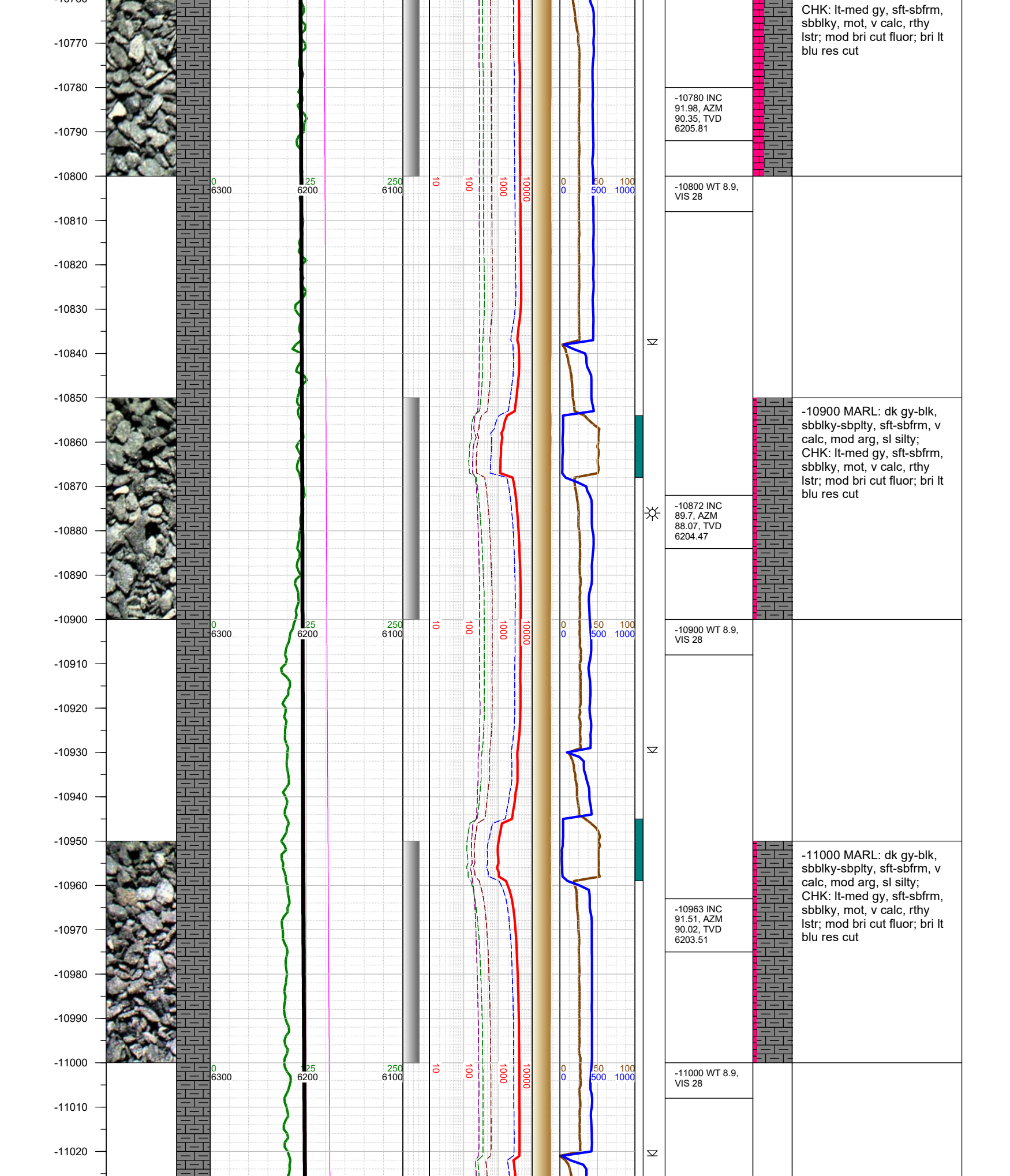
-10200 CHK: lt-med gy, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, v calc, mod arg, sl silty; tr fos frags; v bri cut flr; v bri lt blu res cut

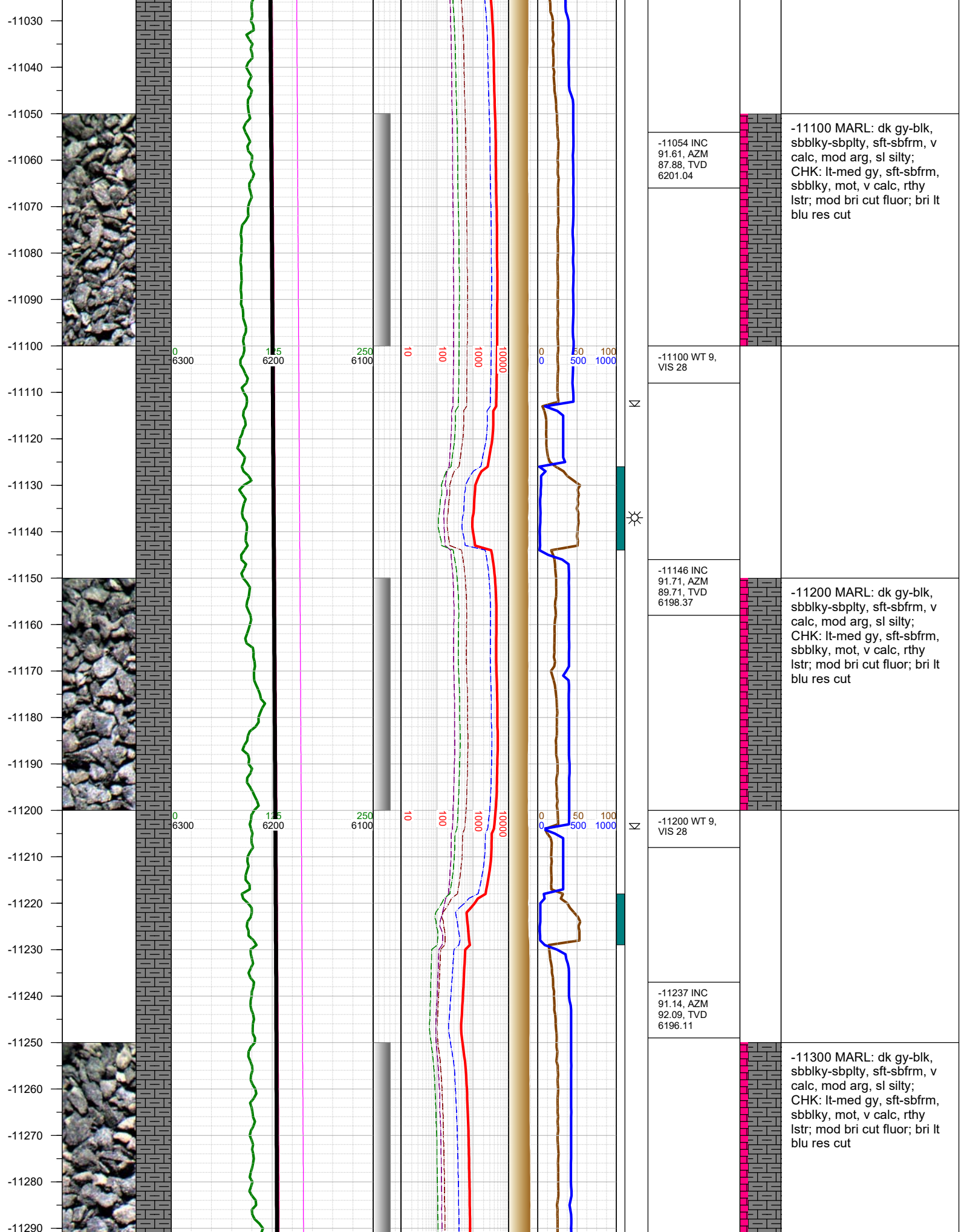
-10200 WT 8.8, VIS 28



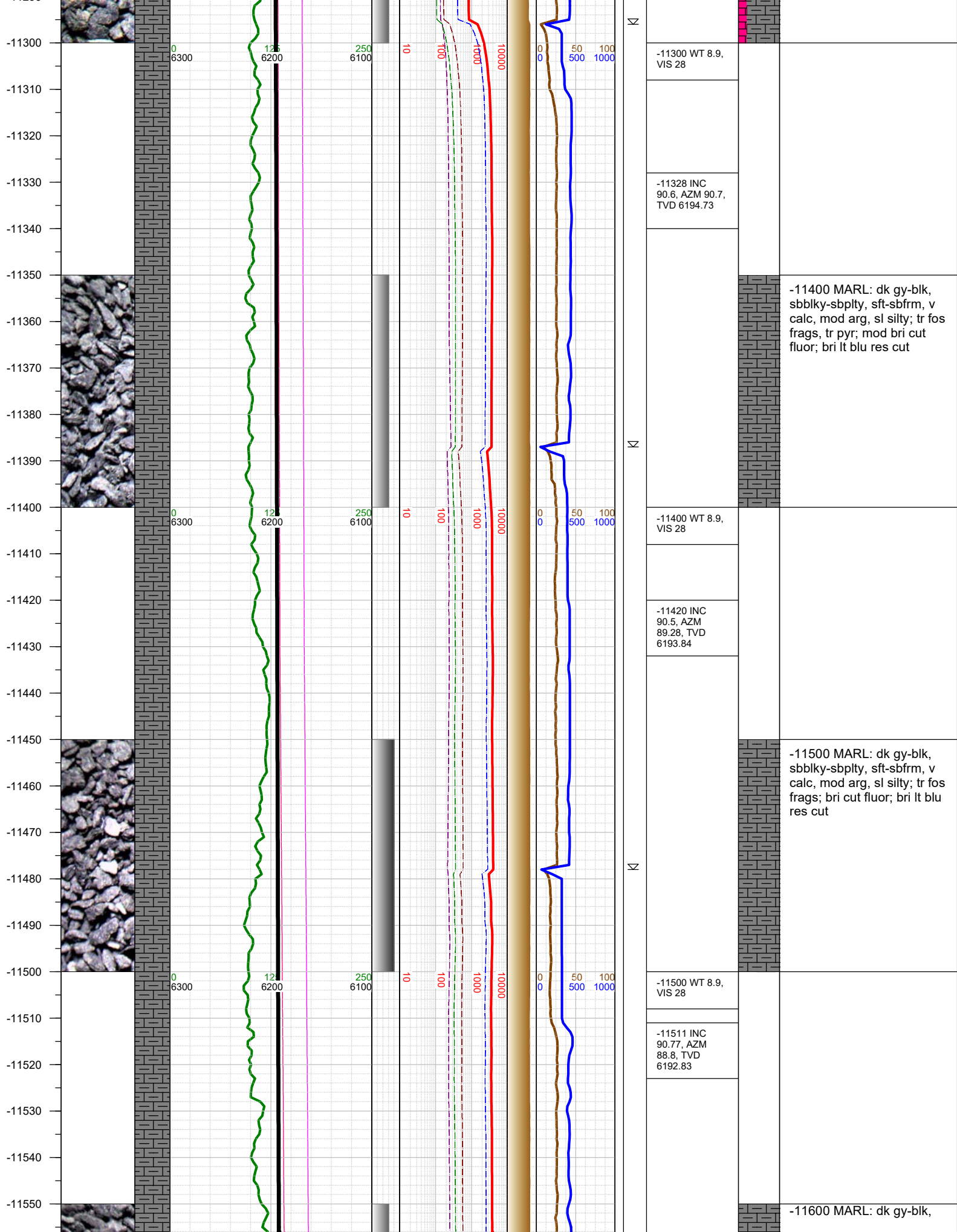












-11300 WT 8.9,  
VIS 28

-11328 INC  
90.6, AZM 90.7,  
TVD 6194.73

-11400 MARL: dk gy-blk,  
sbbkly-sbplty, sft-sbfrm, v  
calc, mod arg, sl silty; tr fos  
frags, tr pyr; mod bri cut  
flur; bri lt blu res cut

-11400 WT 8.9,  
VIS 28

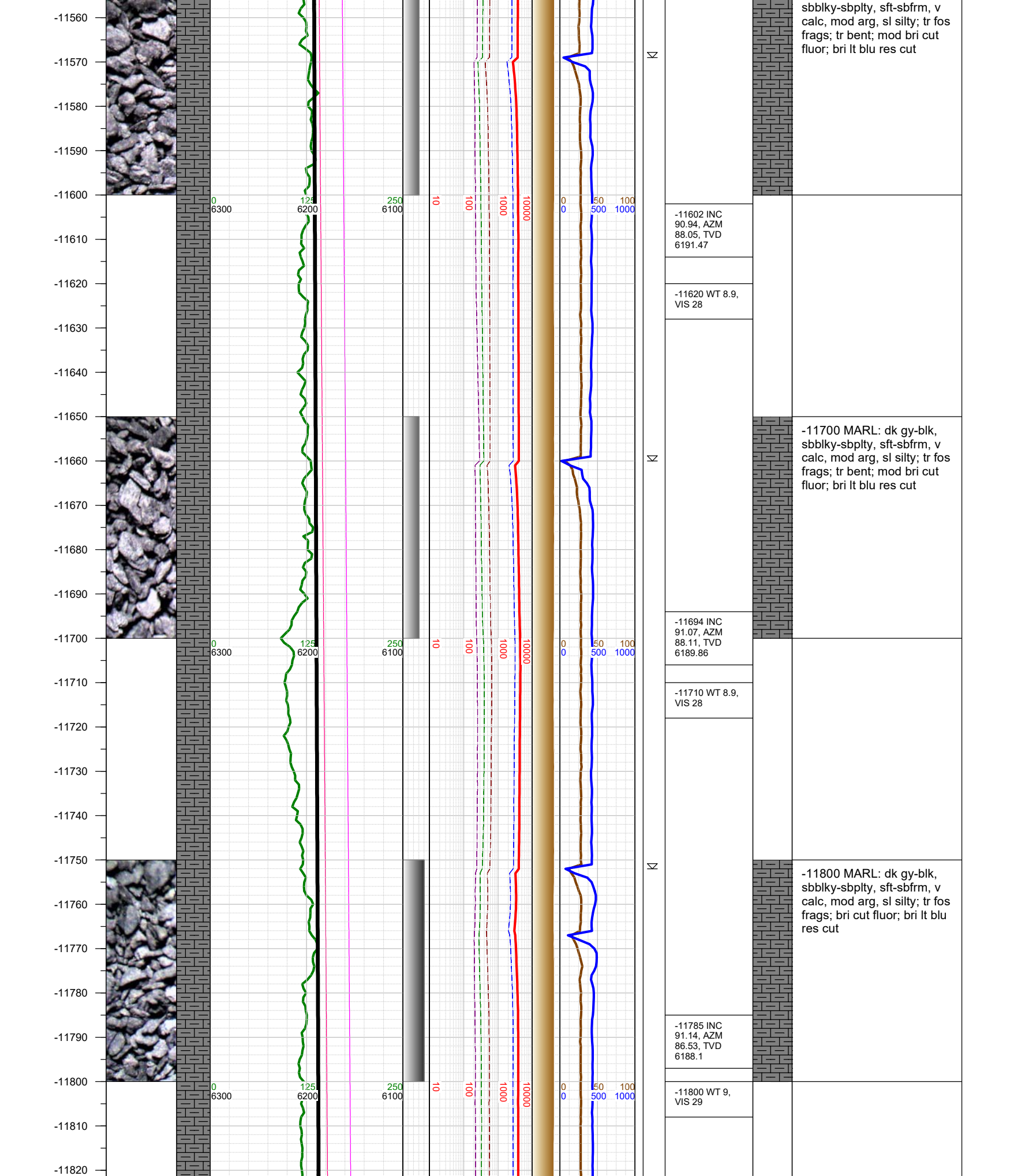
-11420 INC  
90.5, AZM  
89.28, TVD  
6193.84

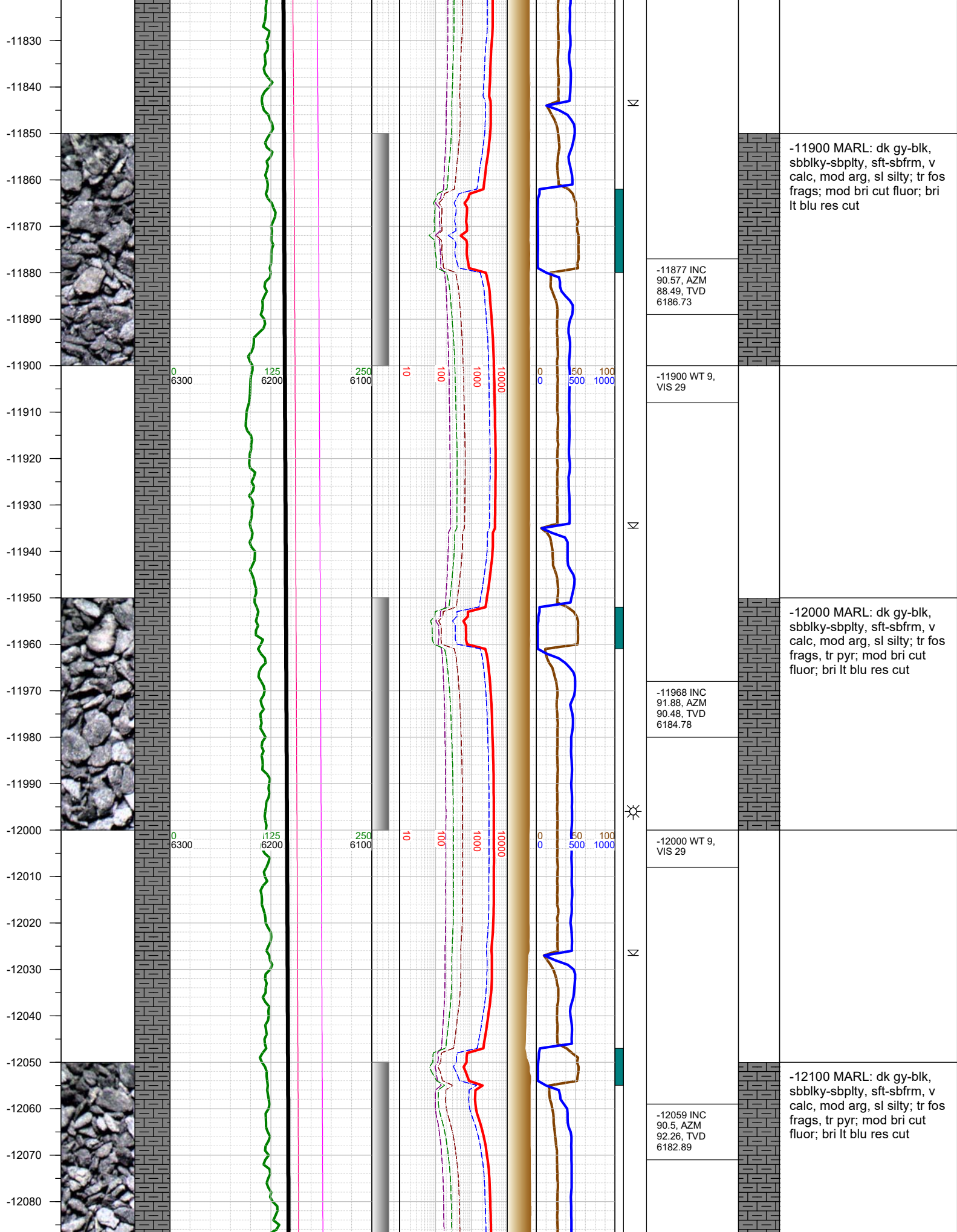
-11500 MARL: dk gy-blk,  
sbbkly-sbplty, sft-sbfrm, v  
calc, mod arg, sl silty; tr fos  
frags; bri cut flur; bri lt blu  
res cut

-11500 WT 8.9,  
VIS 28

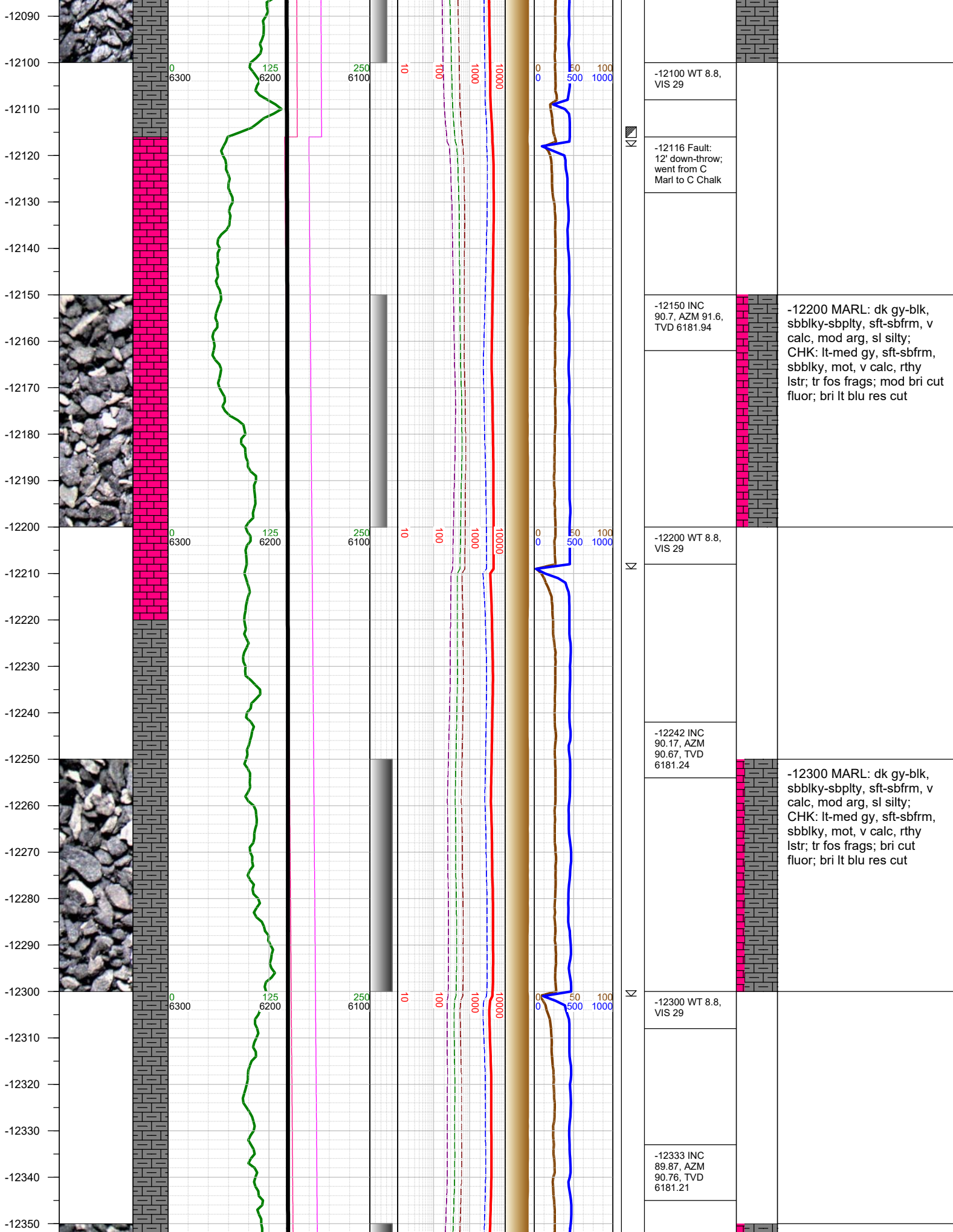
-11511 INC  
90.77, AZM  
88.8, TVD  
6192.83

-11600 MARL: dk gy-blk,









-12100 WT 8.8,  
VIS 29

-12116 Fault:  
12' down-throw;  
went from C  
Marl to C Chalk

-12150 INC  
90.7, AZM 91.6,  
TVD 6181.94

-12200 MARL: dk gy-blk,  
sbblky-sbplty, sft-sbfrm, v  
calc, mod arg, sl silty;  
CHK: lt-med gy, sft-sbfrm,  
sbblky, mot, v calc, rthy  
lstr; tr fos frags; mod bri cut  
fluor; bri lt blu res cut

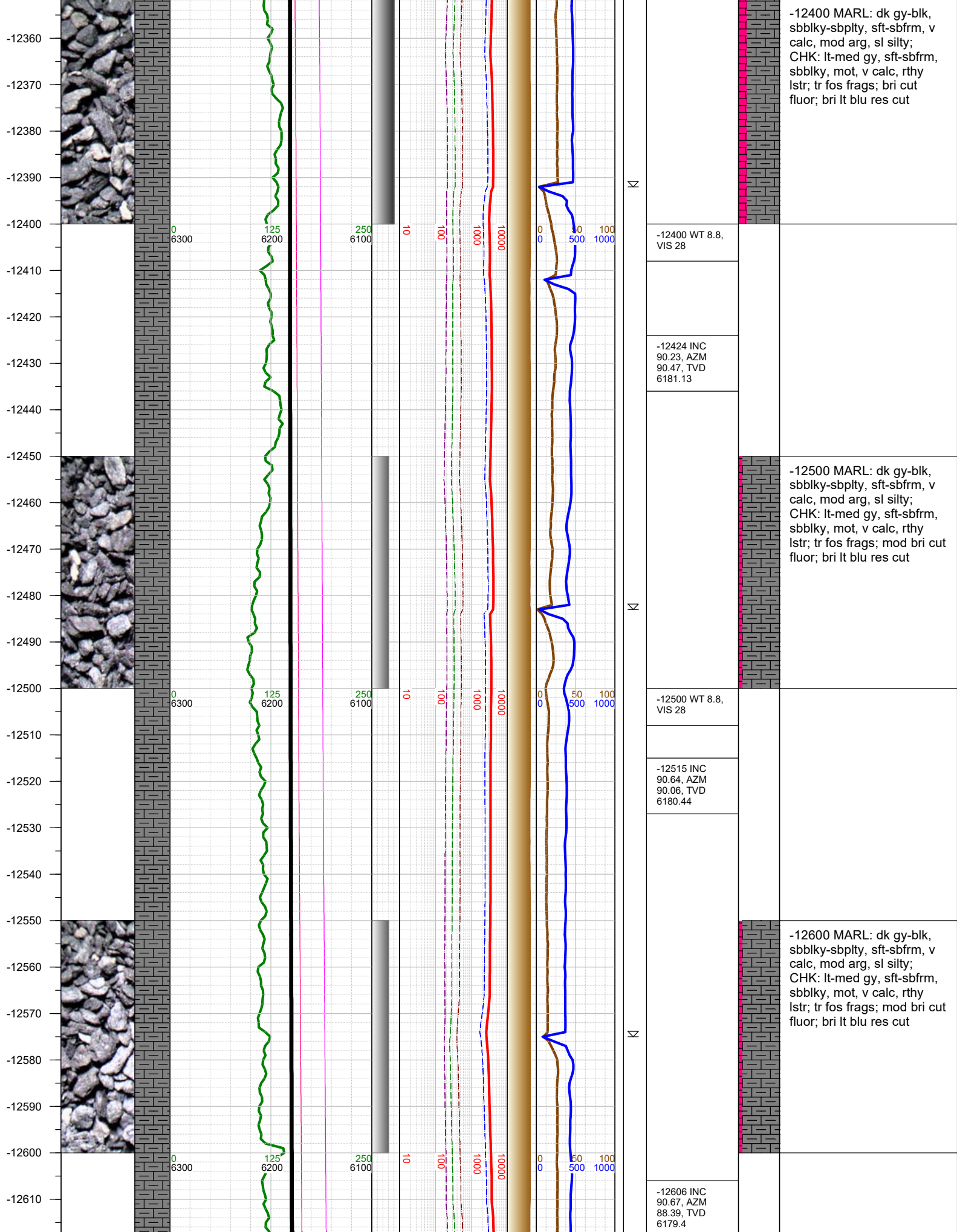
-12200 WT 8.8,  
VIS 29

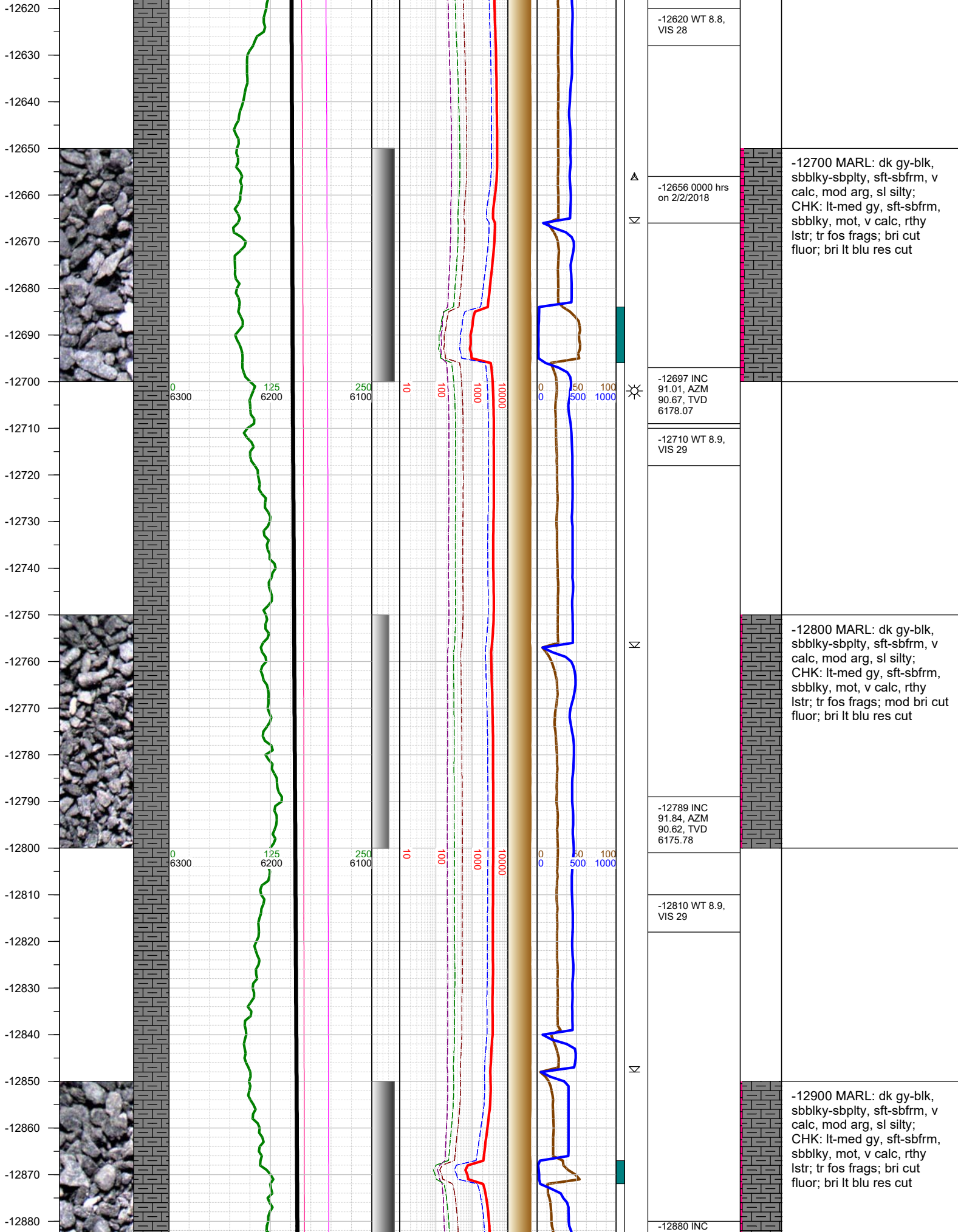
-12242 INC  
90.17, AZM  
90.67, TVD  
6181.24

-12300 MARL: dk gy-blk,  
sbblky-sbplty, sft-sbfrm, v  
calc, mod arg, sl silty;  
CHK: lt-med gy, sft-sbfrm,  
sbblky, mot, v calc, rthy  
lstr; tr fos frags; bri cut  
fluor; bri lt blu res cut

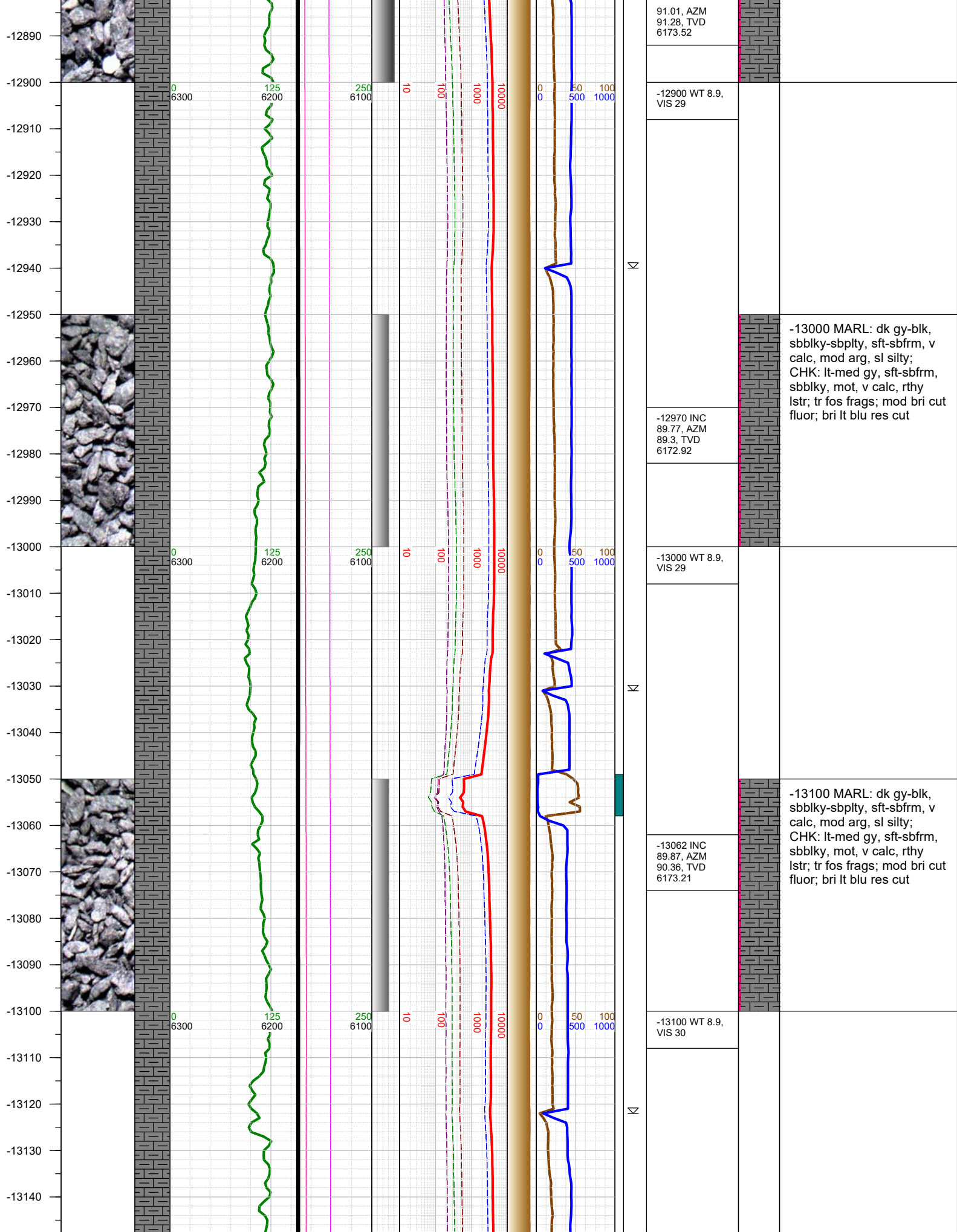
-12300 WT 8.8,  
VIS 29

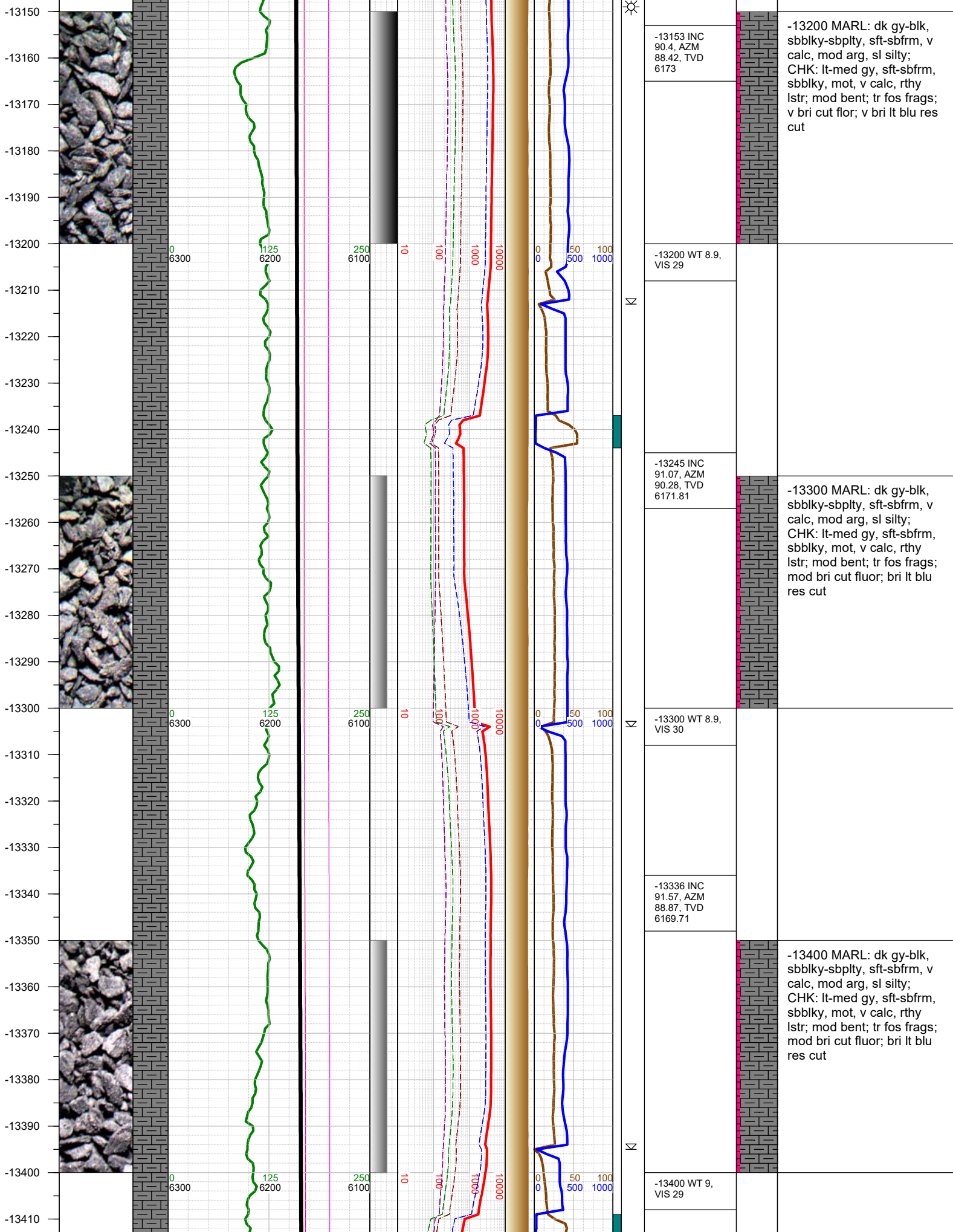
-12333 INC  
89.87, AZM  
90.76, TVD  
6181.21

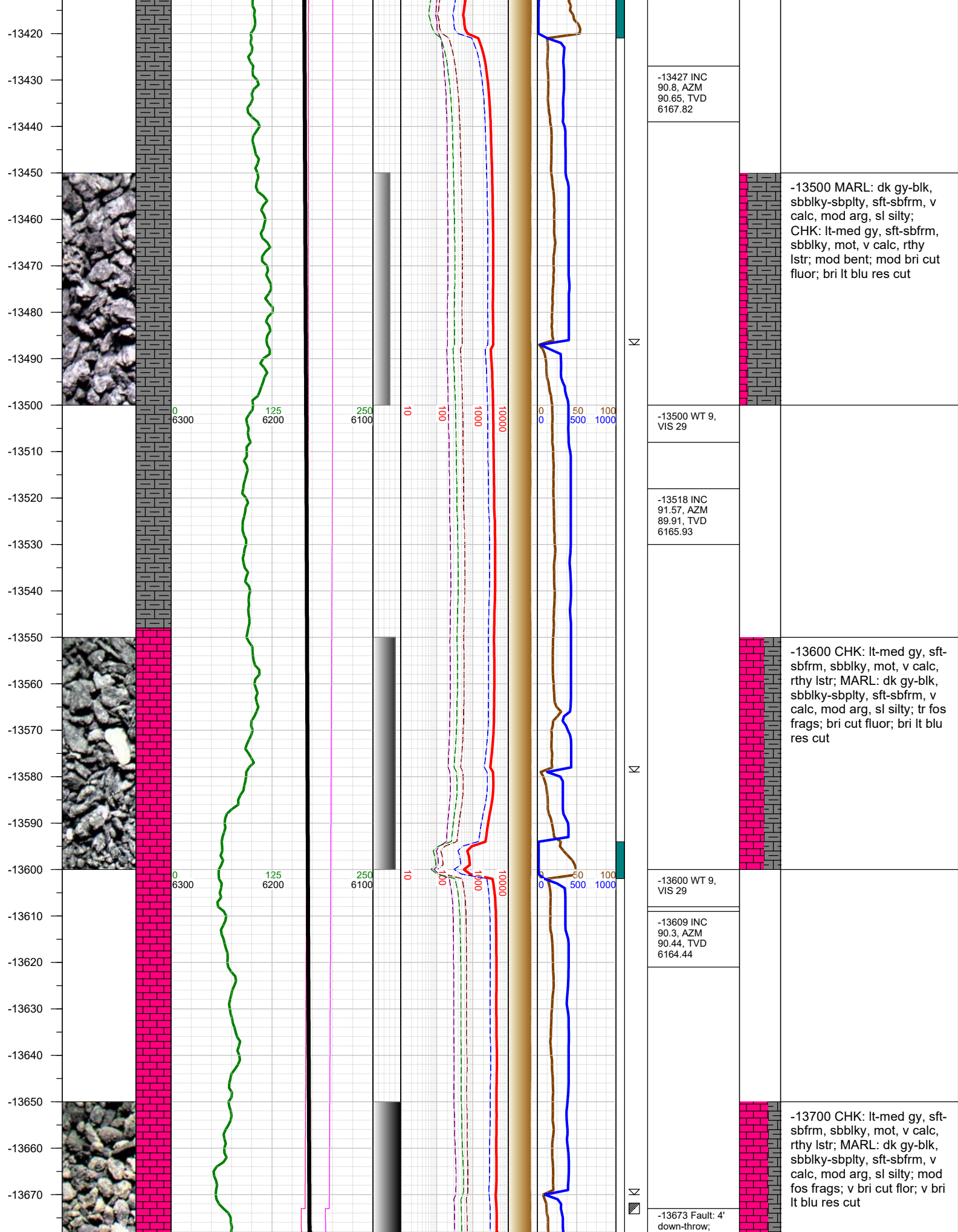




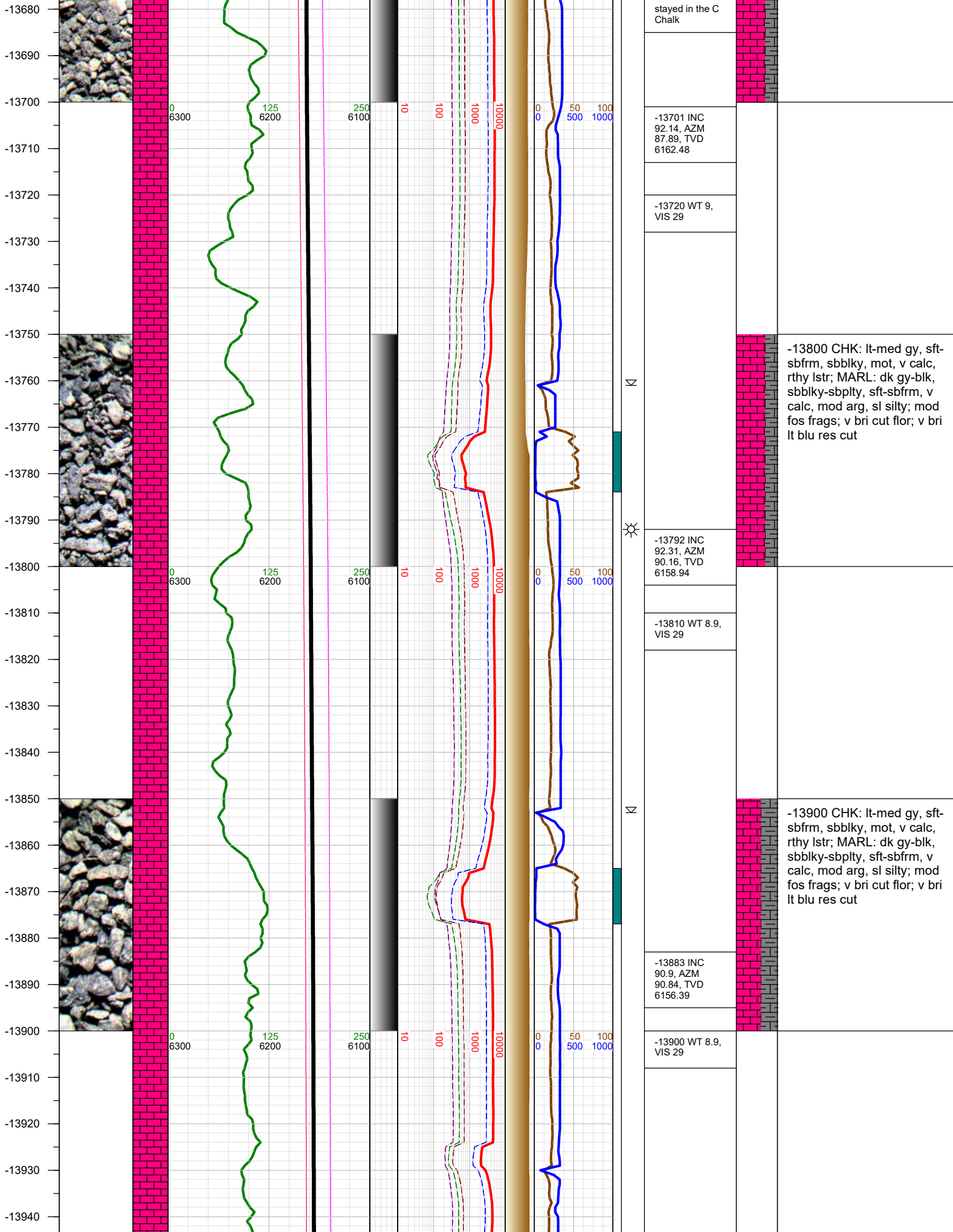


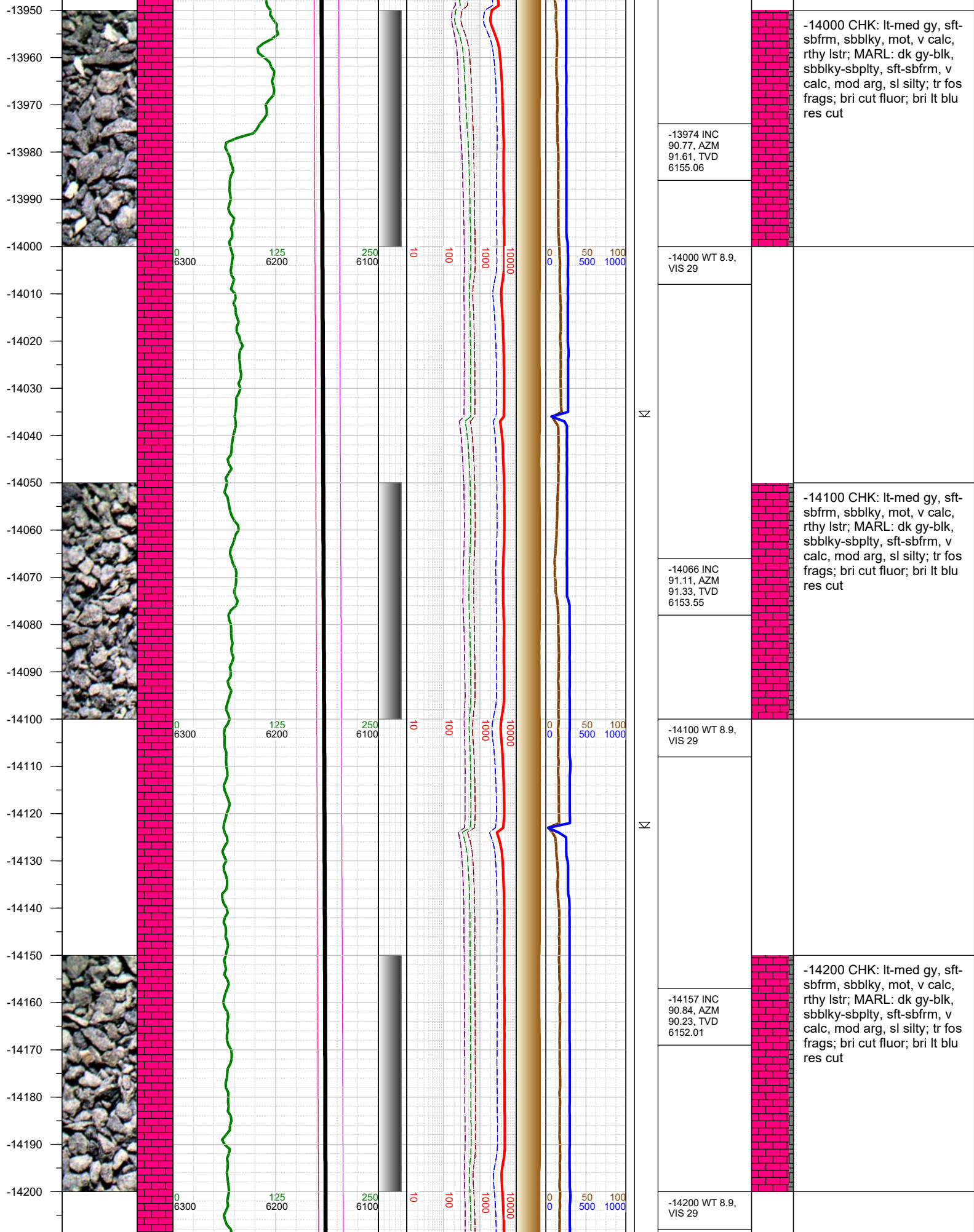


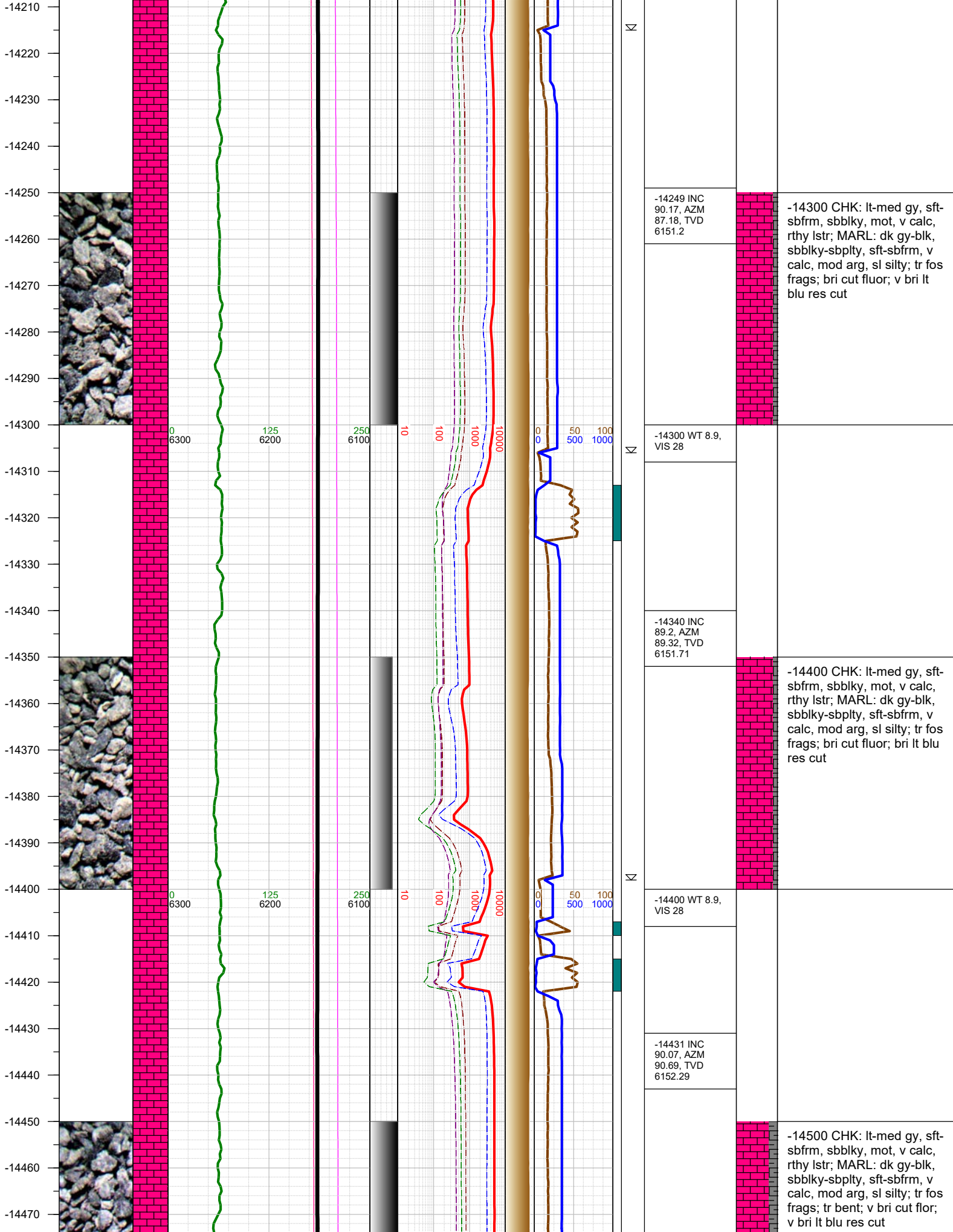














-14480  
-14490  
-14500  
-14510  
-14520  
-14530  
-14540  
-14550  
-14560  
-14570  
-14580  
-14590  
-14600  
-14610  
-14620  
-14630  
-14640  
-14650  
-14660  
-14670  
-14680  
-14690  
-14700  
-14710  
-14720  
-14730



0  
6300

125  
6200

250  
6100

10

100

1000

10000

0

50

100

-14500 WT 8.9,  
VIS 28

-14522 INC  
90.57, AZM  
90.18, TVD  
6151.78

-14600 CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr fos frags; tr bent; v bri cut flor; v bri lt blu res cut

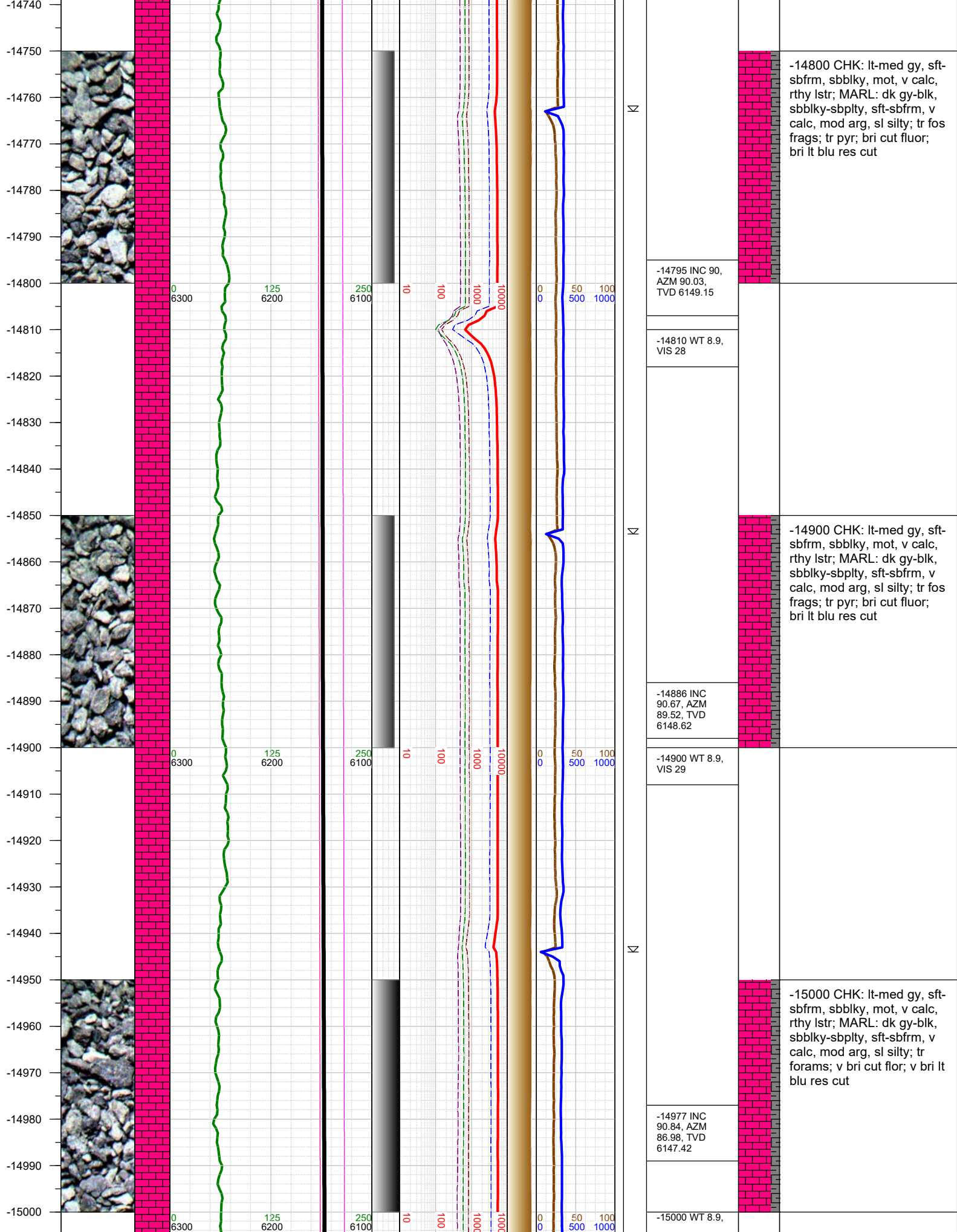
-14600 WT 8.9,  
VIS 28

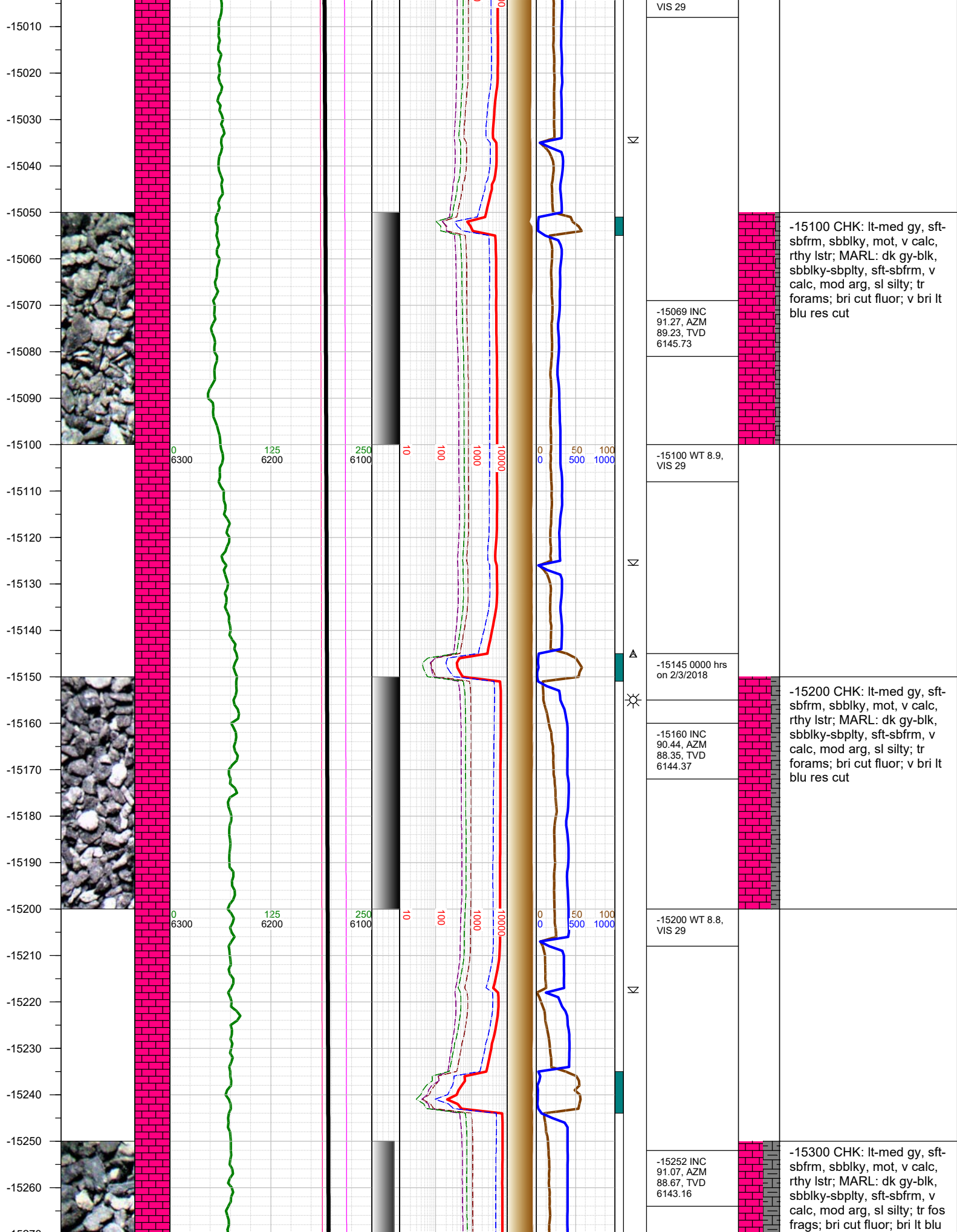
-14613 INC  
91.14, AZM  
91.92, TVD  
6150.43

-14700 CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr fos frags; tr bent; bri cut fluor; v bri lt blu res cut

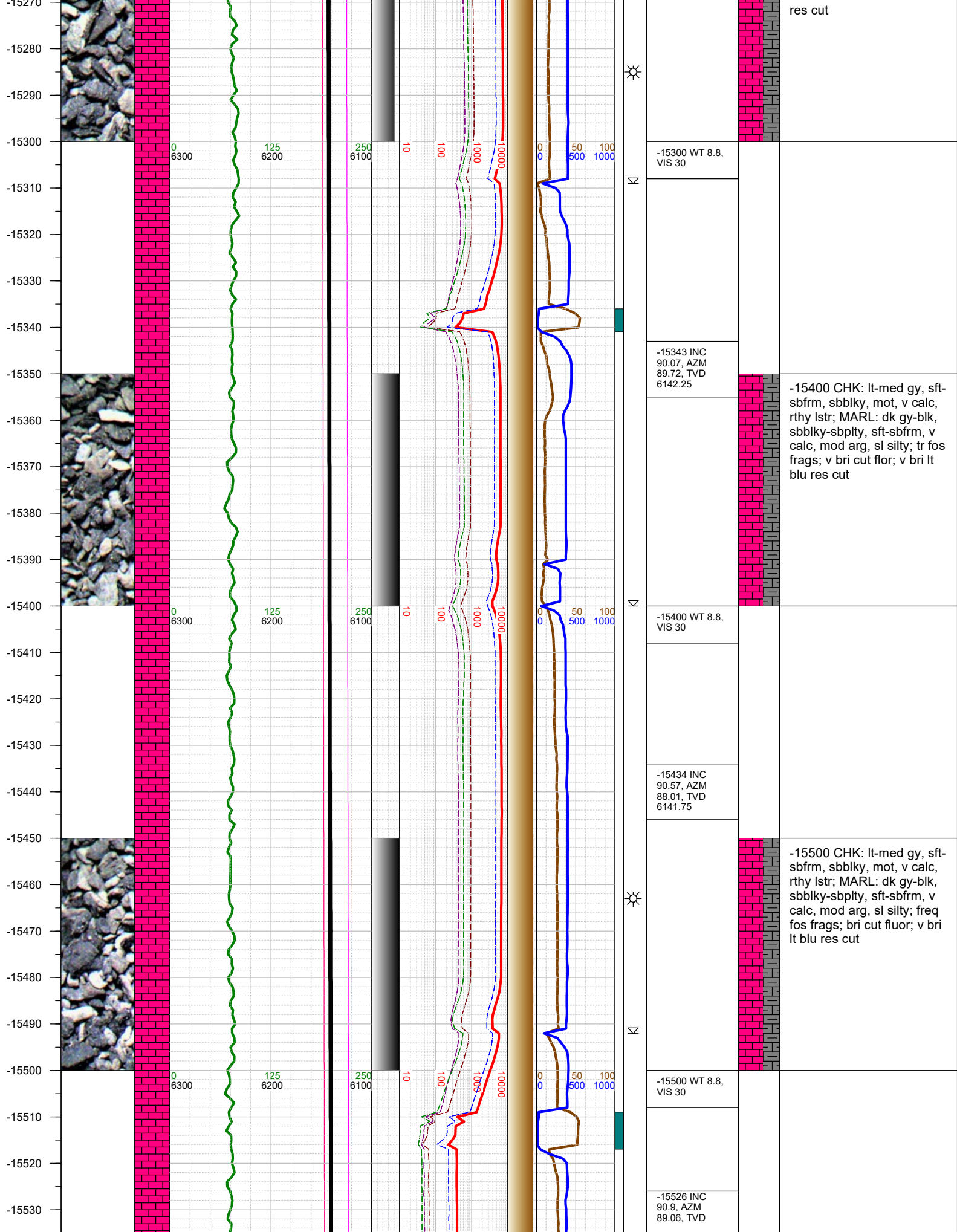
-14704 INC  
90.23, AZM  
90.96, TVD  
6149.34

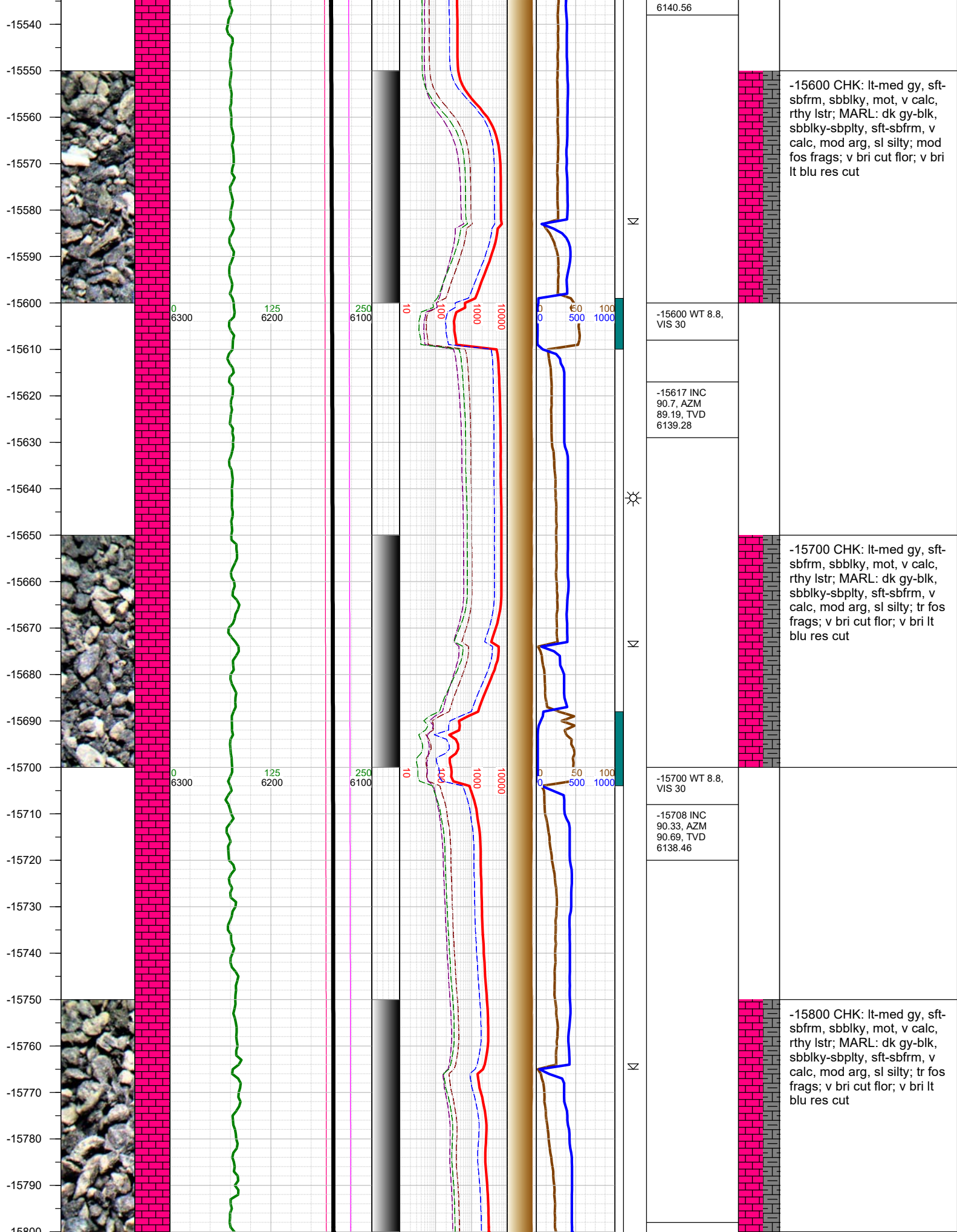
-14720 WT 8.9,  
VIS 28

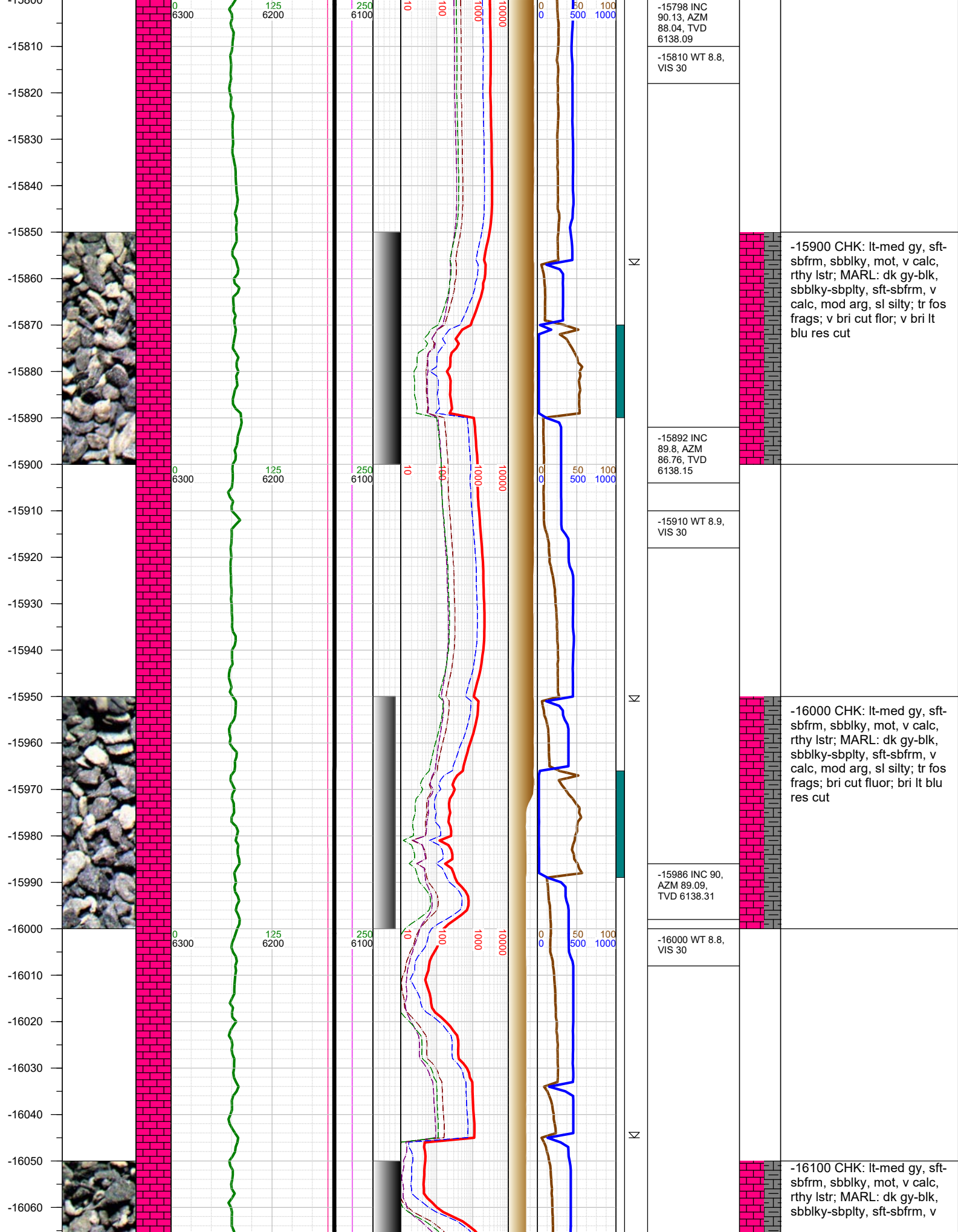




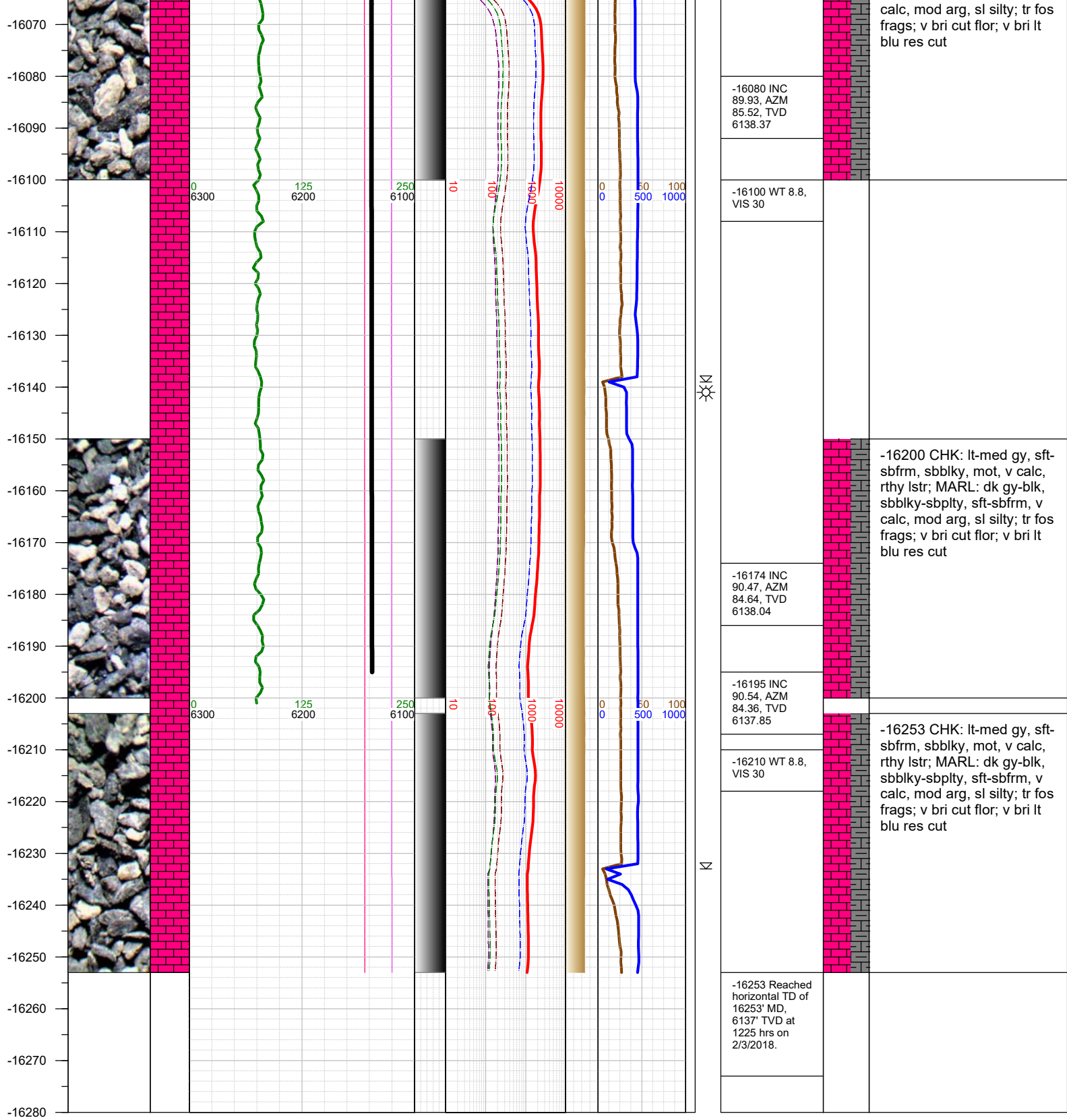












TOTAL DEPTH = 16253'

Thank you for using Earth Science Agency