

OPERATOR: **Bill Barrett Corp.**

WELL NAME: **AEF 4-62-29-4148C**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Savanna 802

API #: 05-123-42727

LAT/LONG: 40.281494, -104.337406

SURFACE HOLE: NWSW S28-T4N-R62W, 2128' FSL, 306' FWL

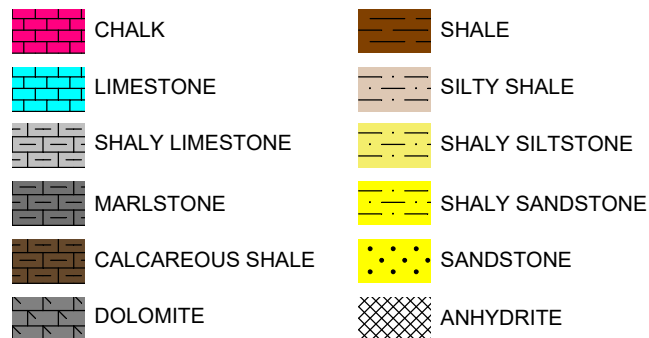
BOTTOM HOLE: NWSW S30-T4N-R62W, 1593' FSL, 400' FWL



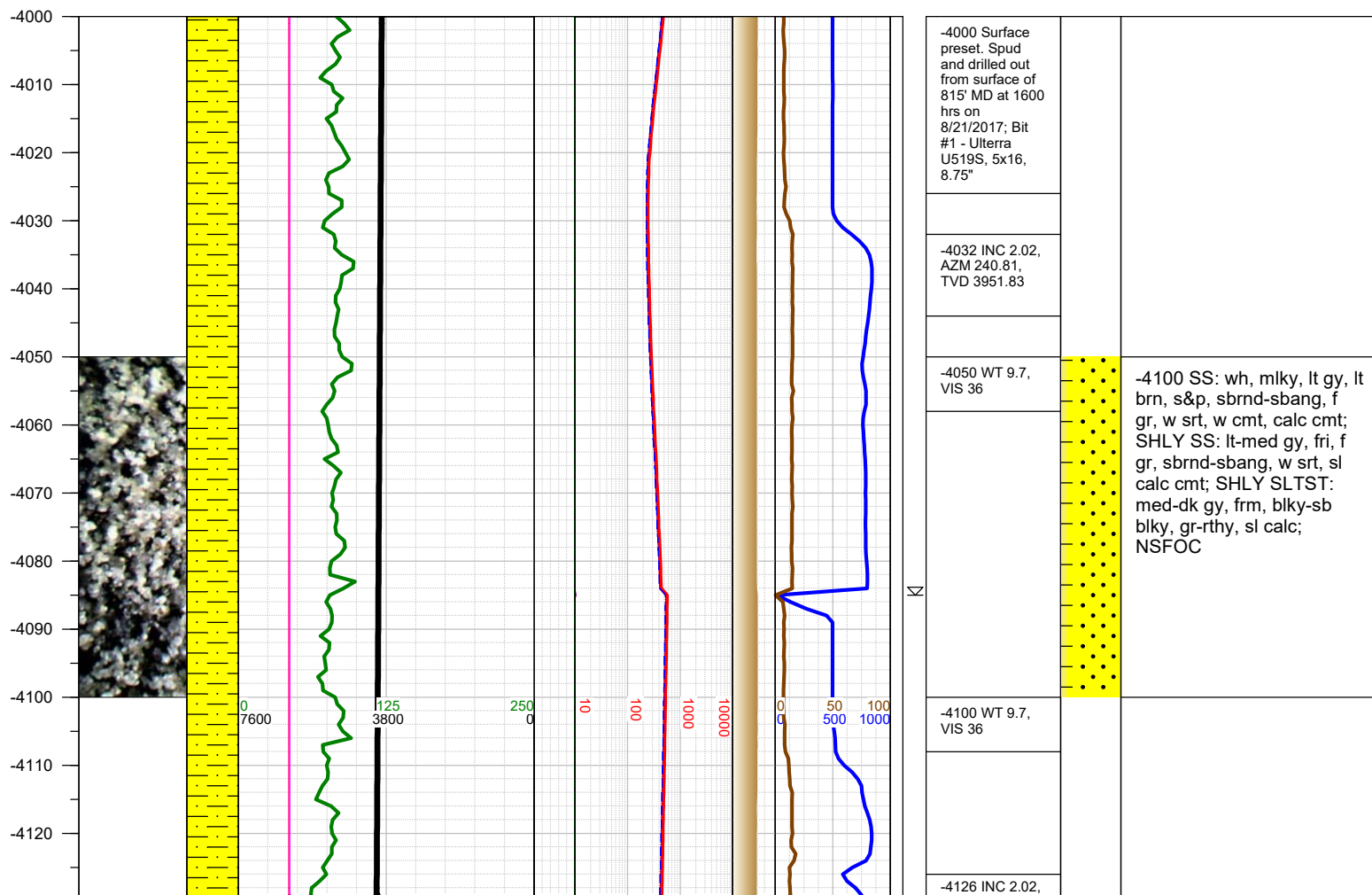
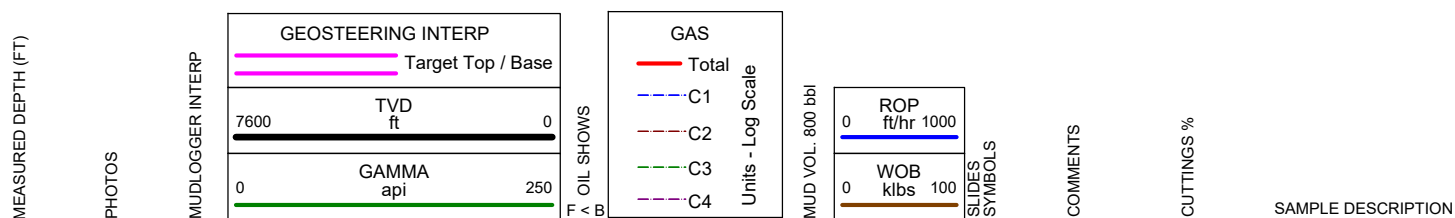
Earth Science Agency, LLC

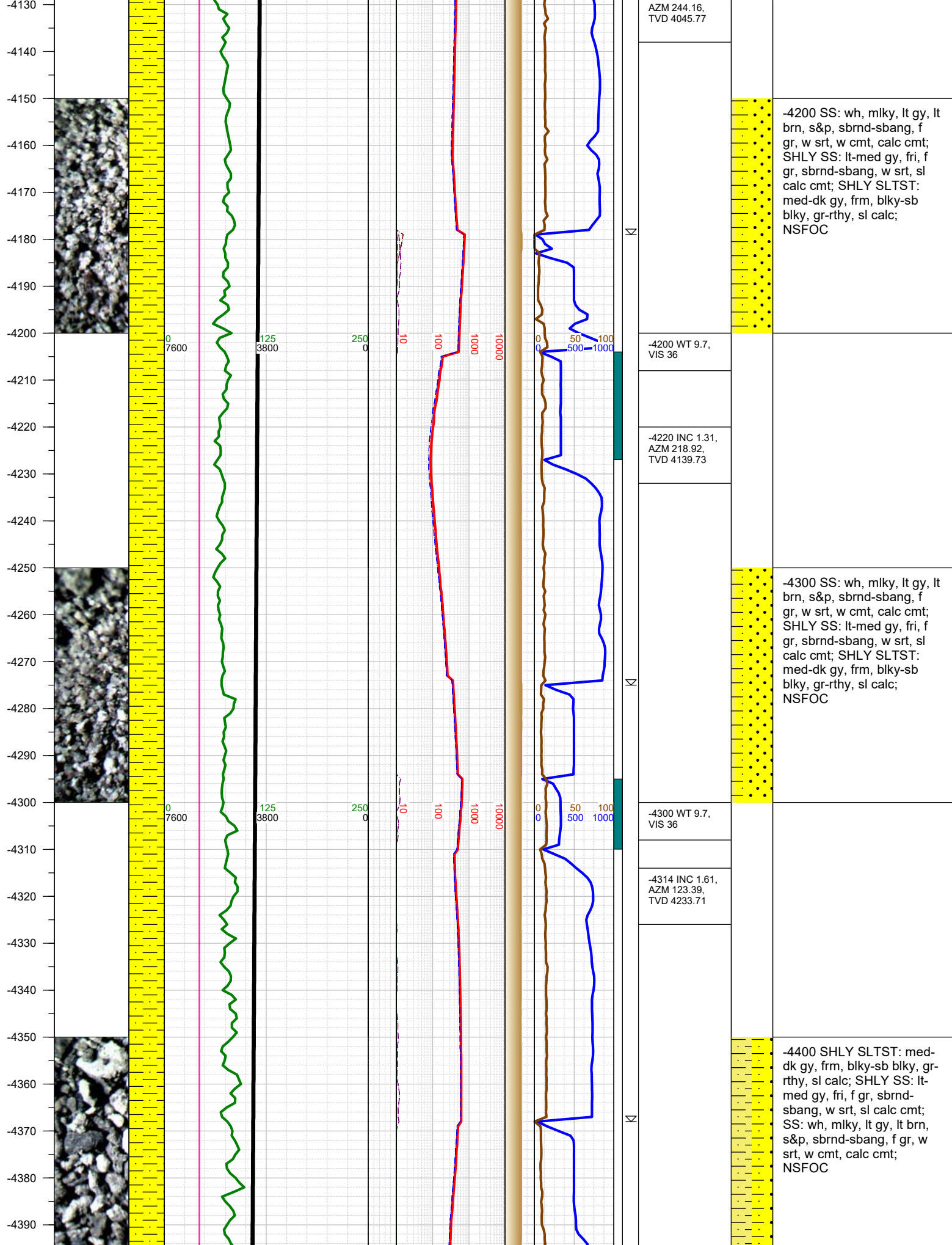
COUNTY: Weld  
STATE: Colorado  
GROUND ELEVATION: 4624'  
KELLY BUSHING: 4644'  
DRILLING FLUID: LSND  
TVD VS. MD: 6404' / 16350'  
SPUD DATE: August 21, 2017  
TD DATE: August 27, 2017  
  
DEPTHS LOGGED: 4000' - 16350'  
DATES LOGGED: August 21, 2017 - August 27, 2017  
GEOLOGISTS: Nathan Brown, Gabe Aguilar  
SCALE: 5" = 100'

#### LEGEND



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





AZM 244.16,  
TVD 4045.77

-4200 SS: wh, mlky, lt gy, lt  
brn, s&p, sbrnd-sbang, f  
gr, w srt, w cmt, calc cmt;  
SHLY SS: lt-med gy, fri, f  
gr, sbrnd-sbang, w srt, sl  
calc cmt; SHLY SLTST:  
med-dk gy, frm, blk-y-sb  
blk-y, gr-rthy, sl calc;  
NSFOC

-4200 WT 9.7,  
VIS 36

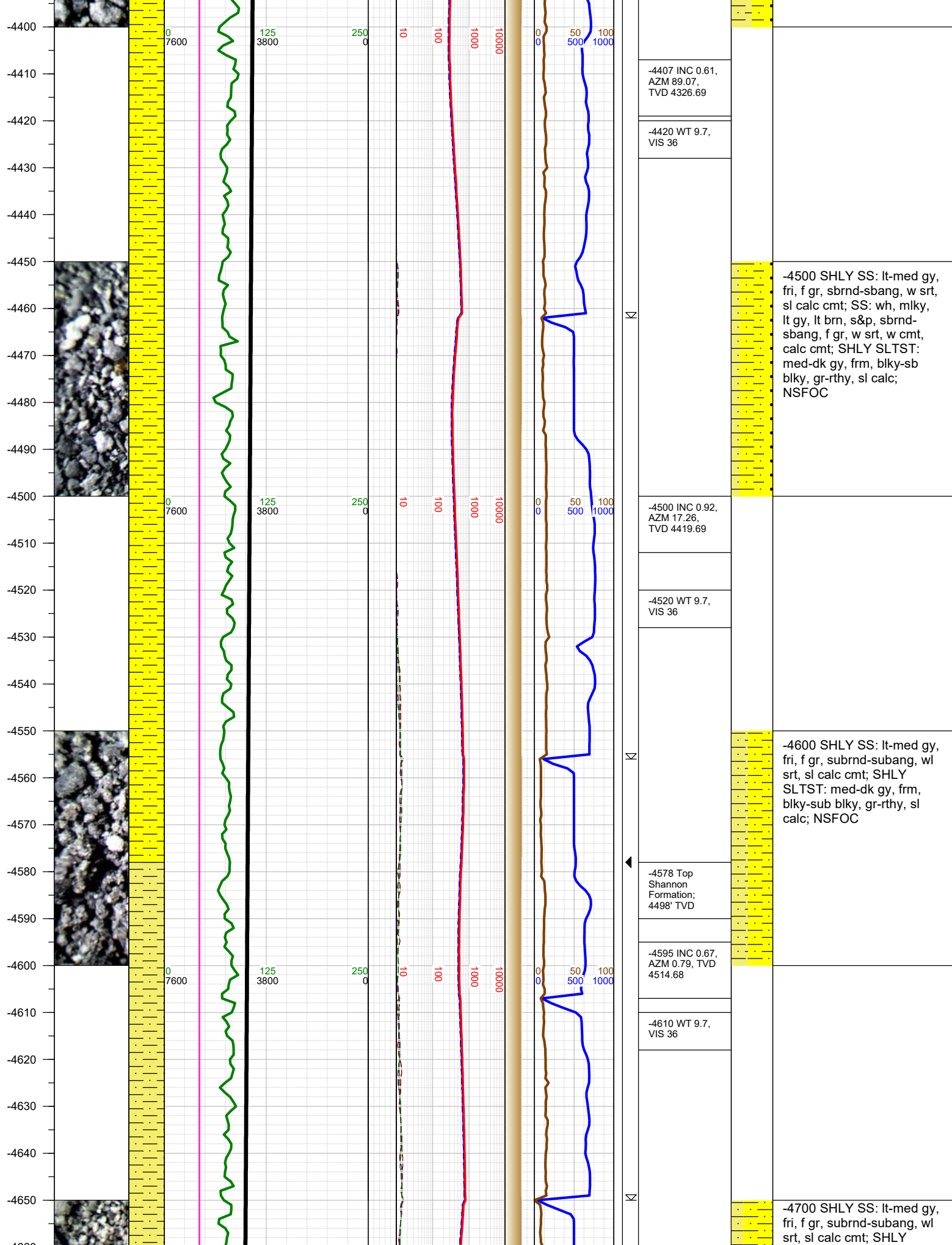
-4220 INC 1.31,  
AZM 218.92,  
TVD 4139.73

-4300 SS: wh, mlky, lt gy, lt  
brn, s&p, sbrnd-sbang, f  
gr, w srt, w cmt, calc cmt;  
SHLY SS: lt-med gy, fri, f  
gr, sbrnd-sbang, w srt, sl  
calc cmt; SHLY SLTST:  
med-dk gy, frm, blk-y-sb  
blk-y, gr-rthy, sl calc;  
NSFOC

-4300 WT 9.7,  
VIS 36

-4314 INC 1.61,  
AZM 123.39,  
TVD 4233.71

-4400 SHLY SLTST: med-  
dk gy, frm, blk-y-sb blk-y, gr-  
rthy, sl calc; SHLY SS: lt-  
med gy, fri, f gr, sbrnd-  
sbang, w srt, sl calc cmt;  
SS: wh, mlky, lt gy, lt brn,  
s&p, sbrnd-sbang, f gr, w  
srt, w cmt, calc cmt;  
NSFOC



-4407 INC 0.61,  
AZM 89.07,  
TVD 4326.69

-4420 WT 9.7,  
VIS 36

-4500 SHLY SS: lt-med gy,  
fri, f gr, sbrnd-sbang, w srt,  
sl calc cmt; SS: wh, mlky,  
lt gy, lt brn, s&p, sbrnd-  
sbang, f gr, w srt, w cmt,  
calc cmt; SHLY SLTST:  
med-dk gy, frm, blkly-sb  
blkly, gr-rthy, sl calc;  
NSFOC

-4500 INC 0.92,  
AZM 17.26,  
TVD 4419.69

-4520 WT 9.7,  
VIS 36

-4600 SHLY SS: lt-med gy,  
fri, f gr, subrnd-subang, wl  
srt, sl calc cmt; SHLY  
SLTST: med-dk gy, frm,  
blkly-sub blkly, gr-rthy, sl  
calc; NSFOC

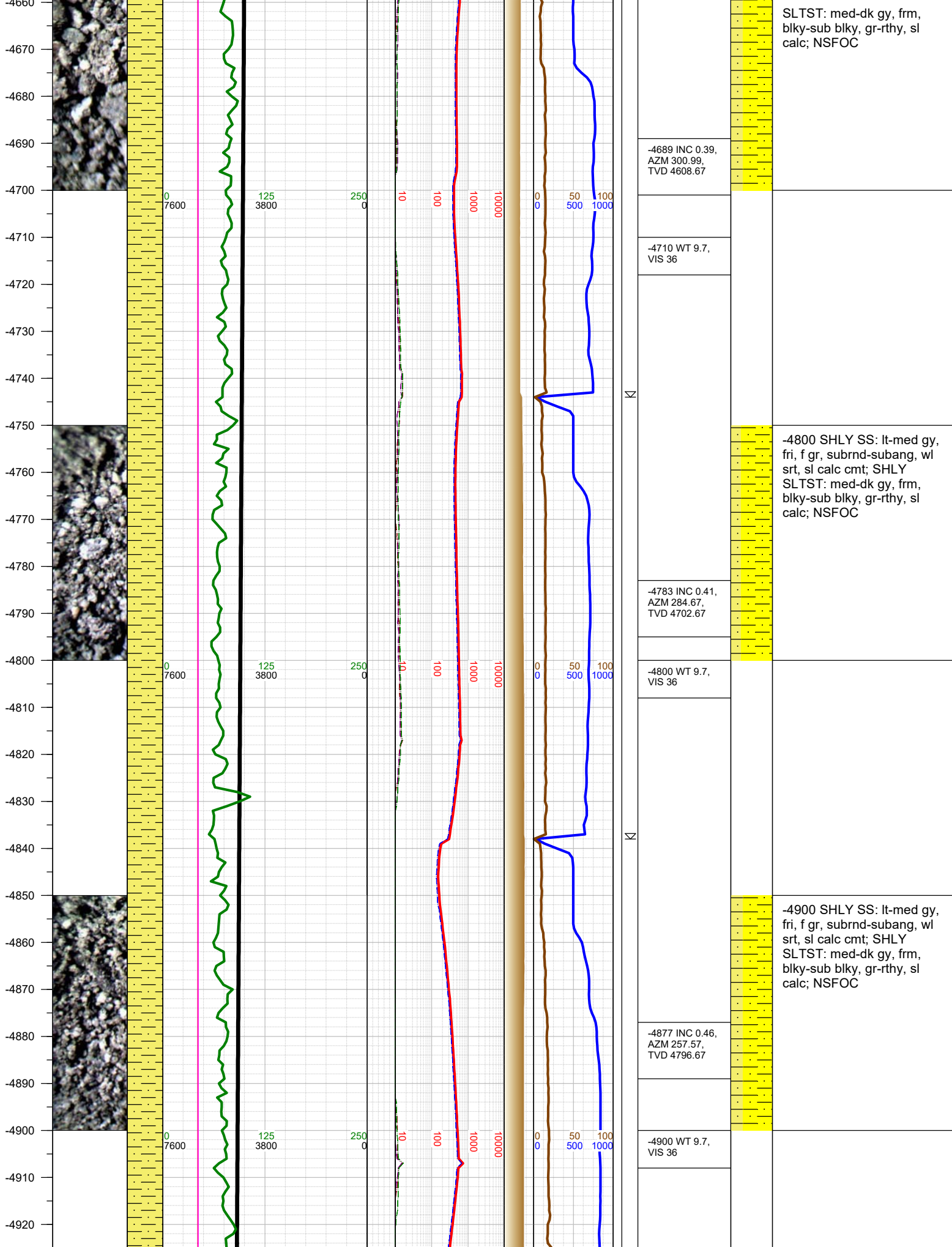
-4578 Top  
Shannon  
Formation;  
4498' TVD

-4595 INC 0.67,  
AZM 0.79, TVD  
4514.68

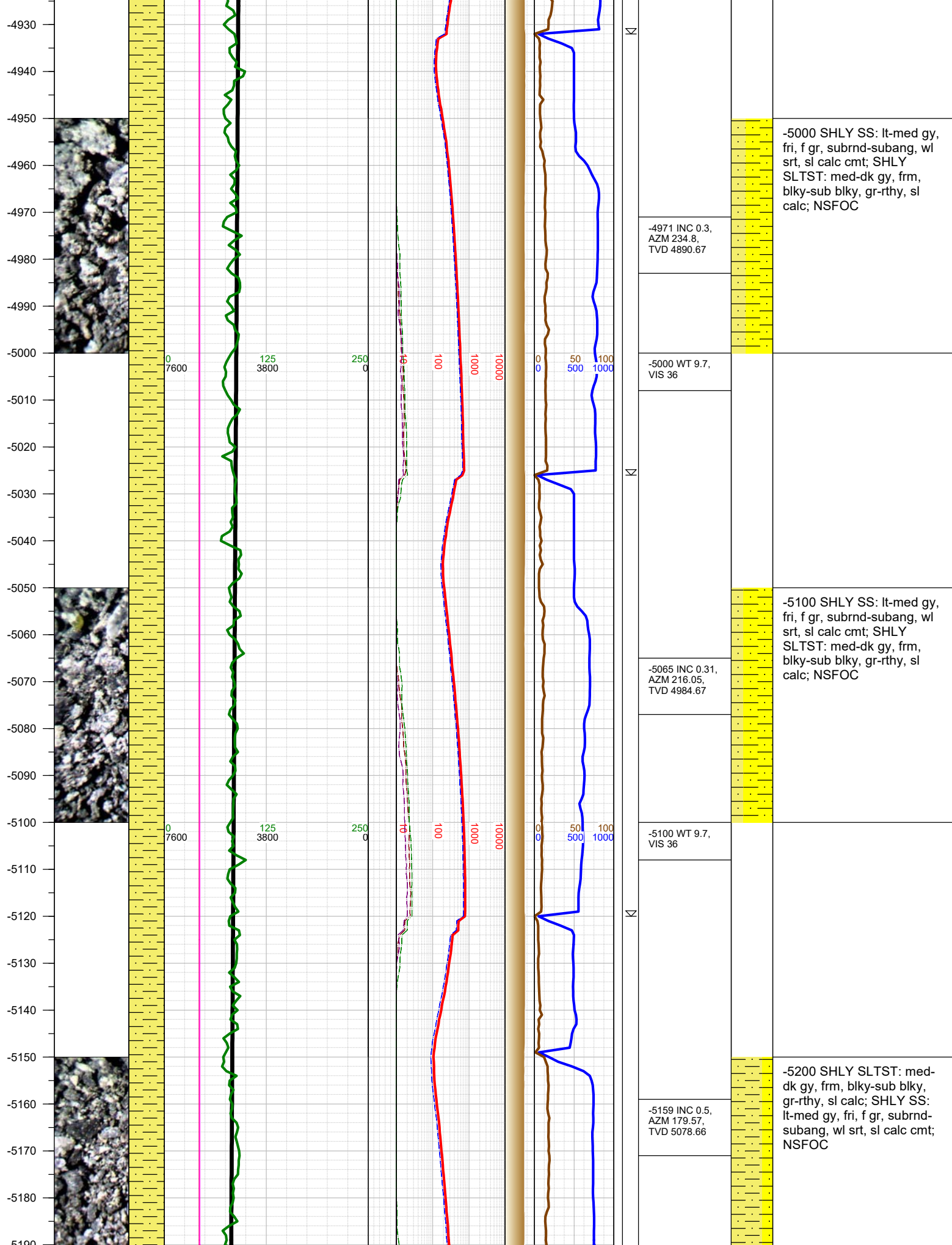
-4610 WT 9.7,  
VIS 36

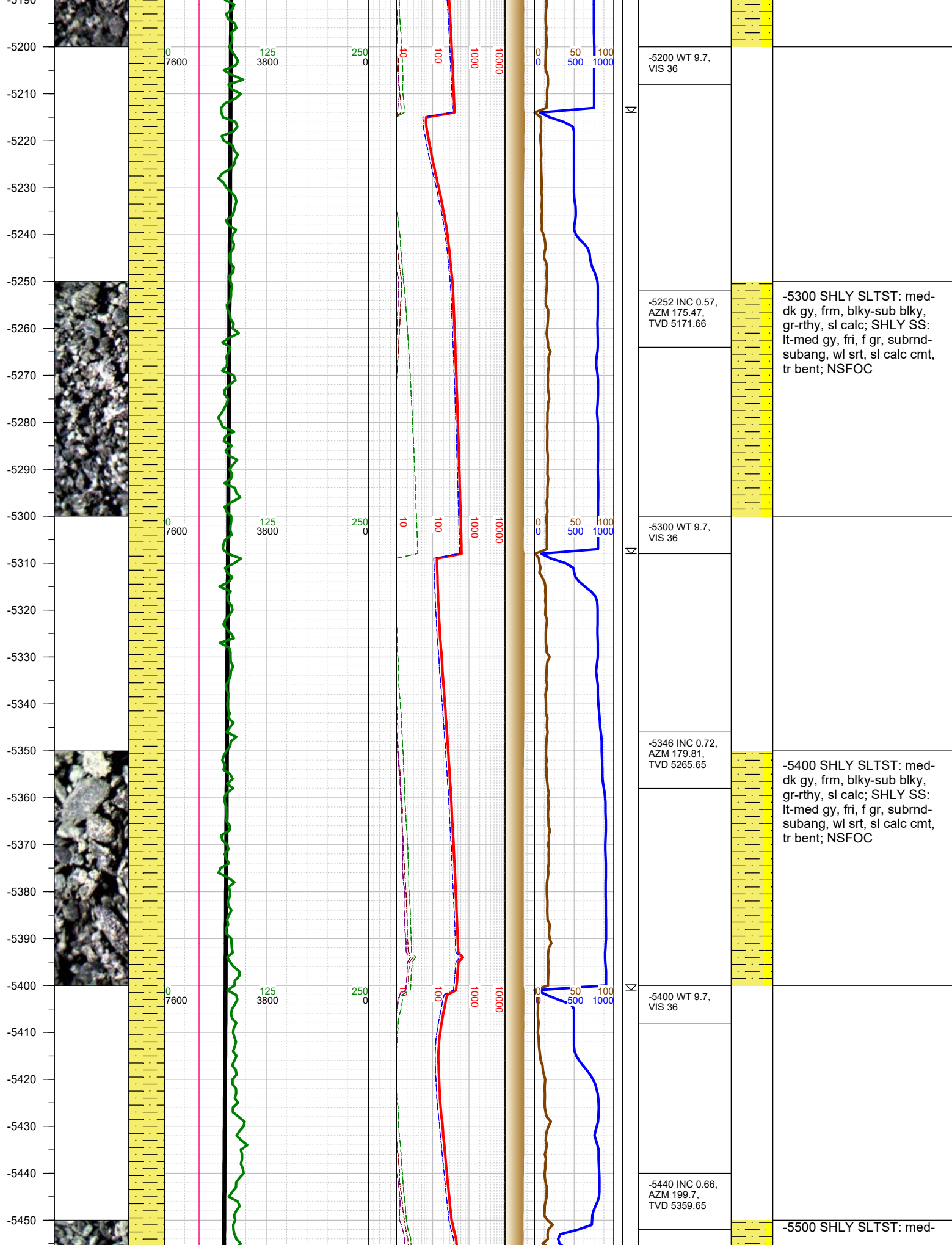
-4700 SHLY SS: lt-med gy,  
fri, f gr, subrnd-subang, wl  
srt, sl calc cmt; SHLY

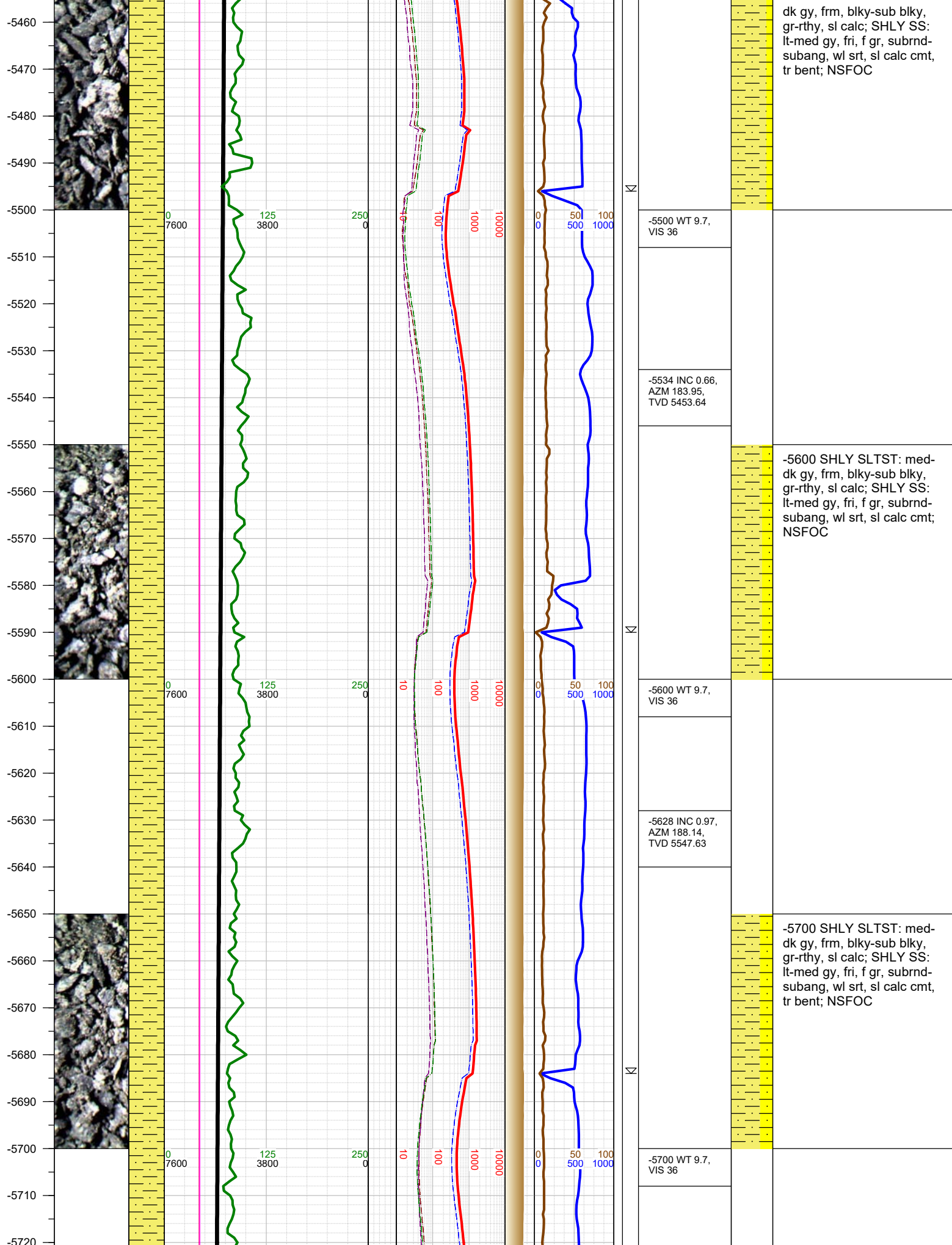




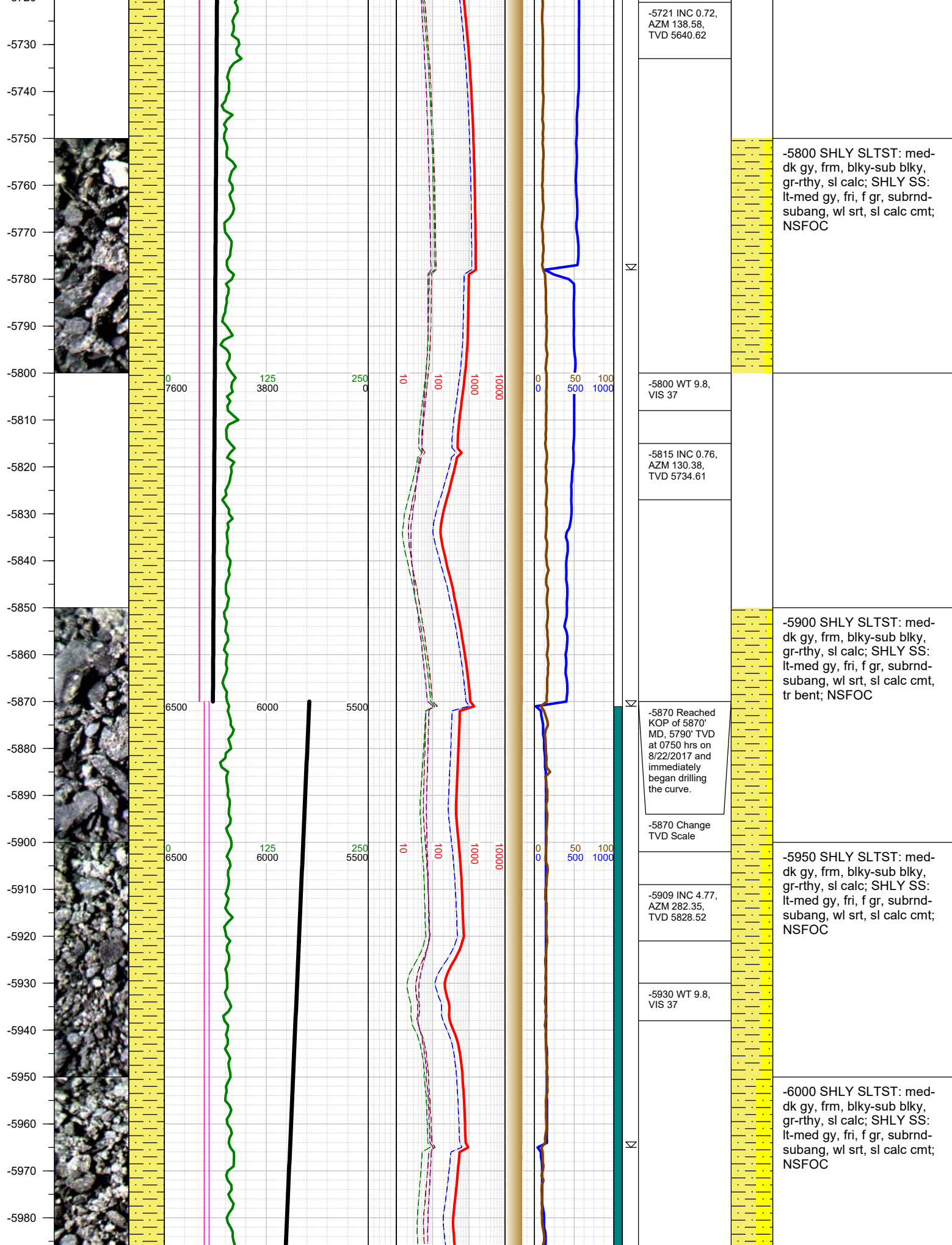


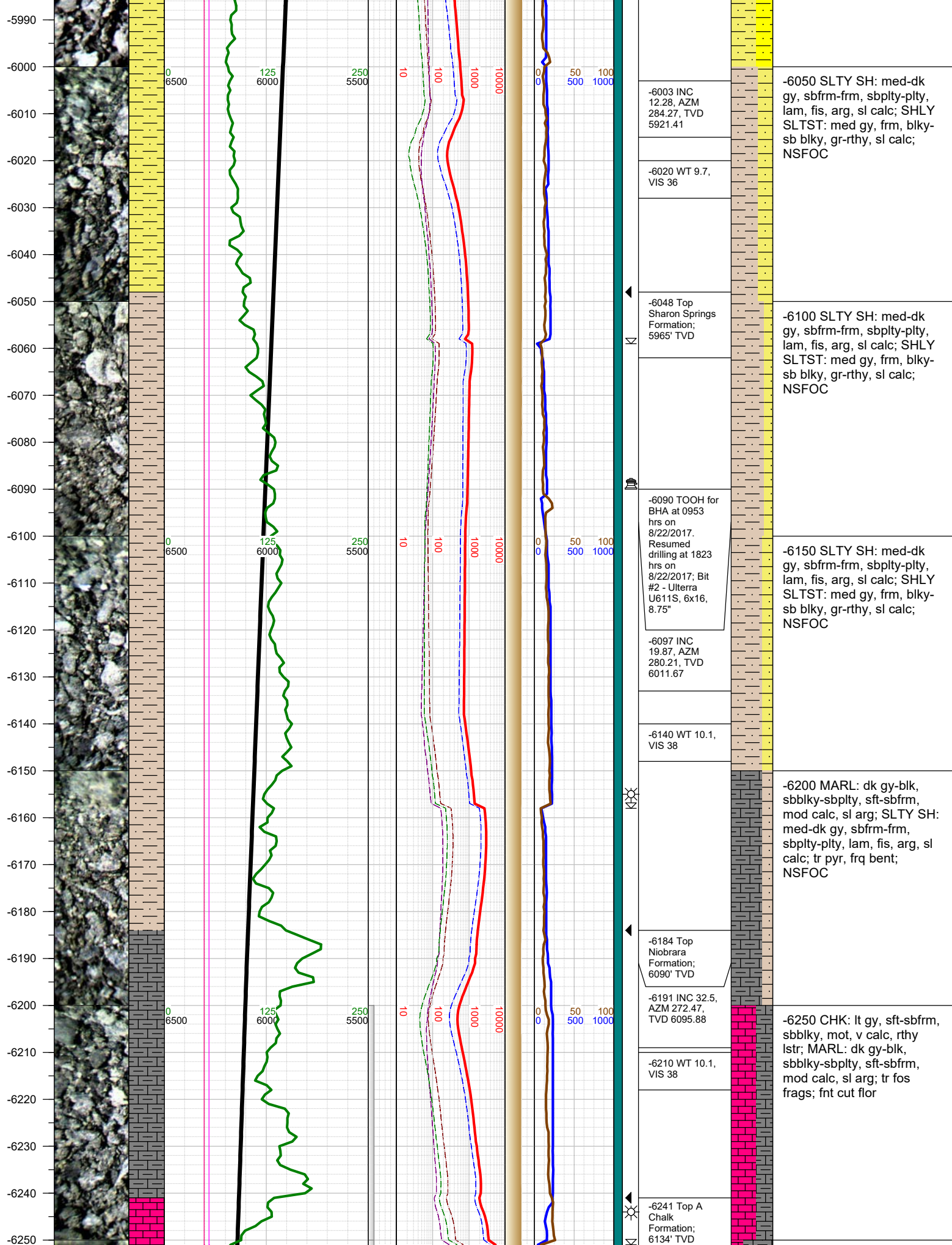




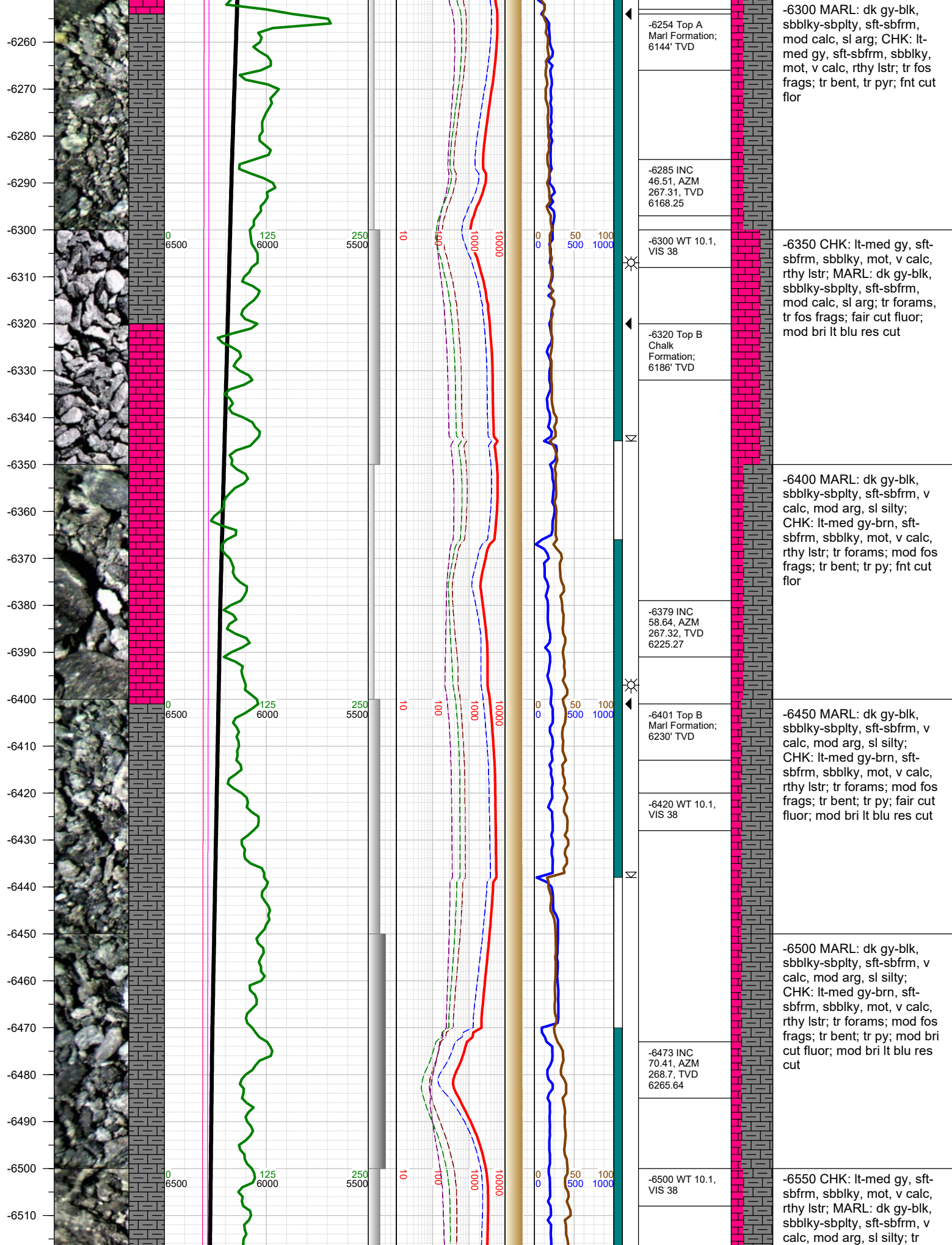




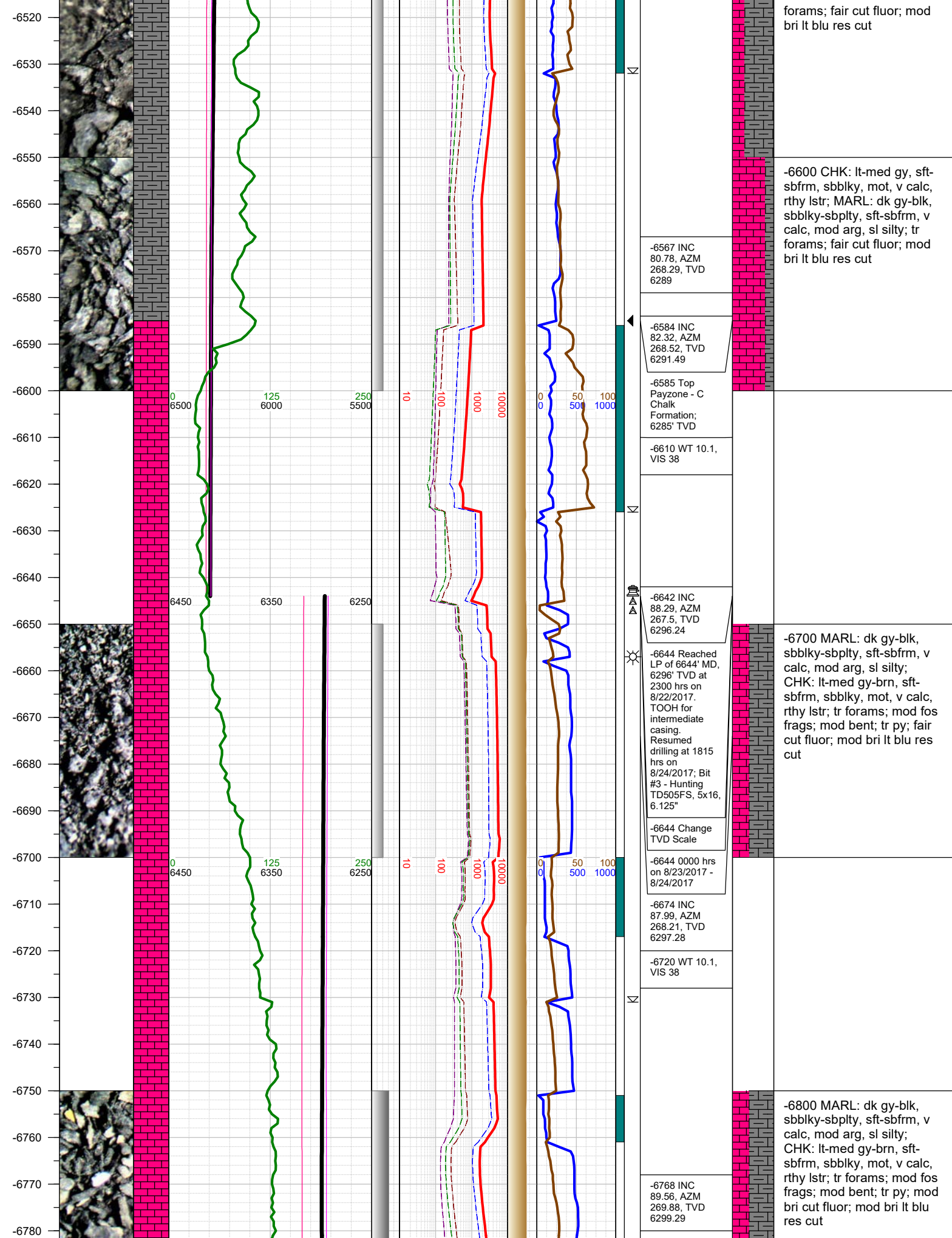


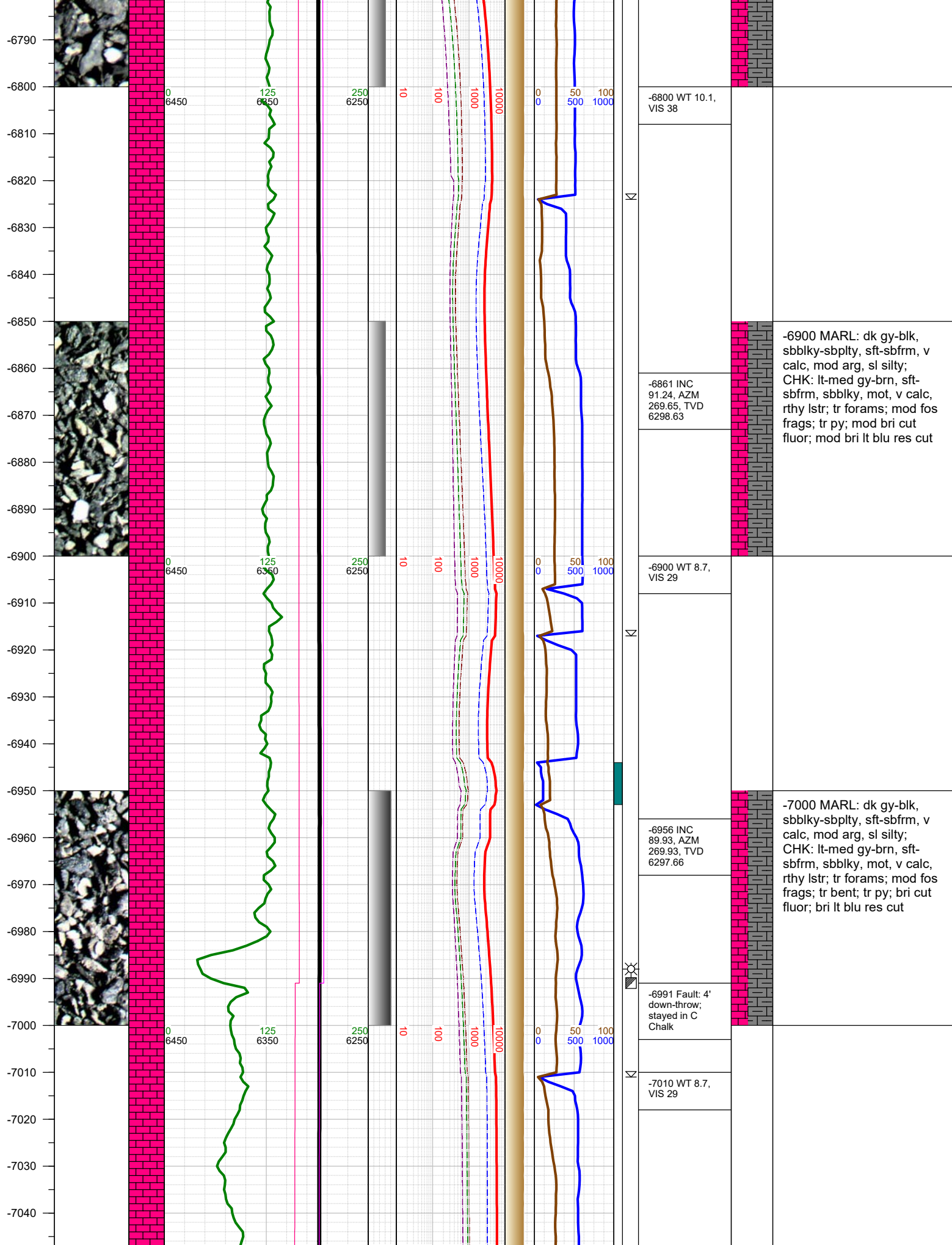


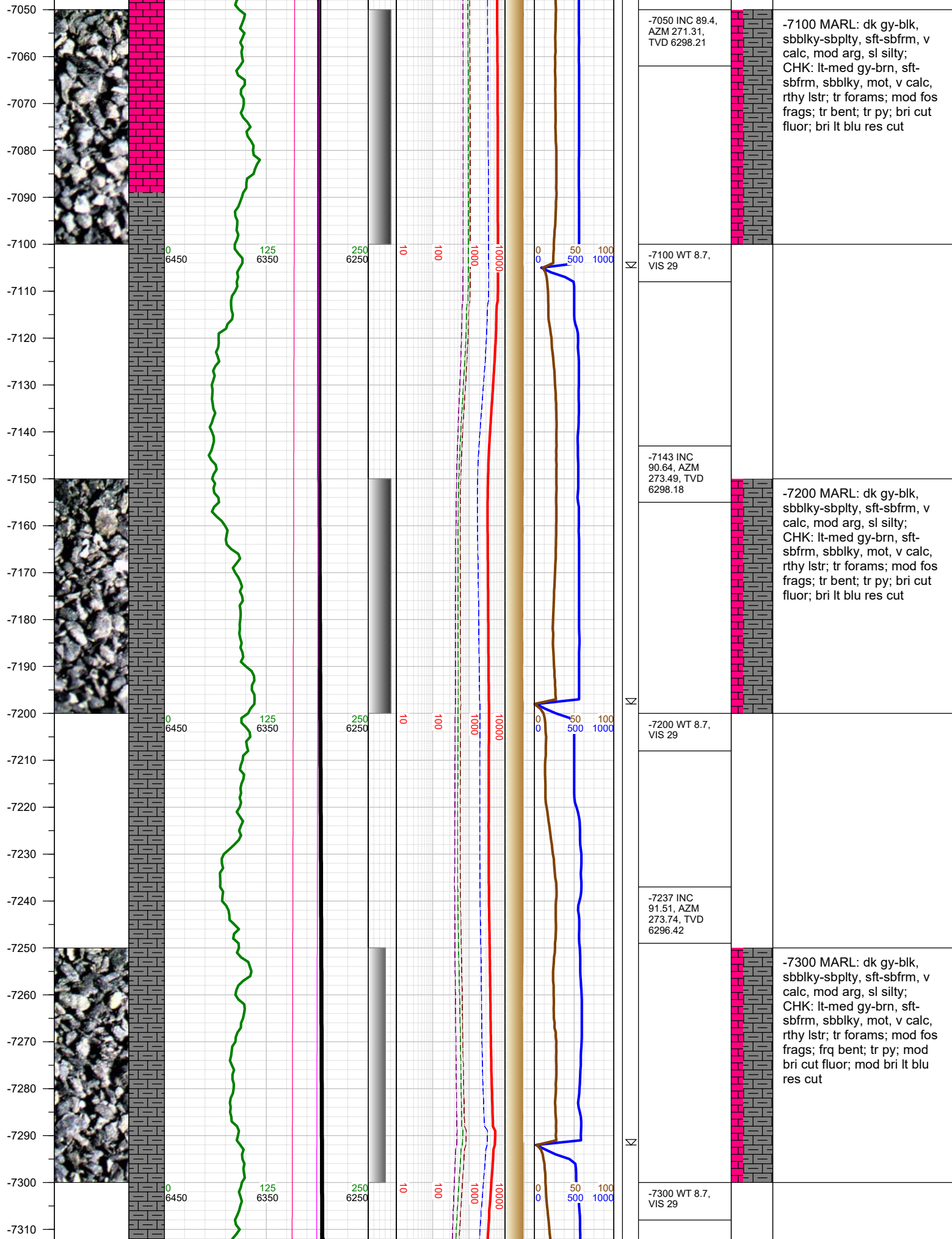




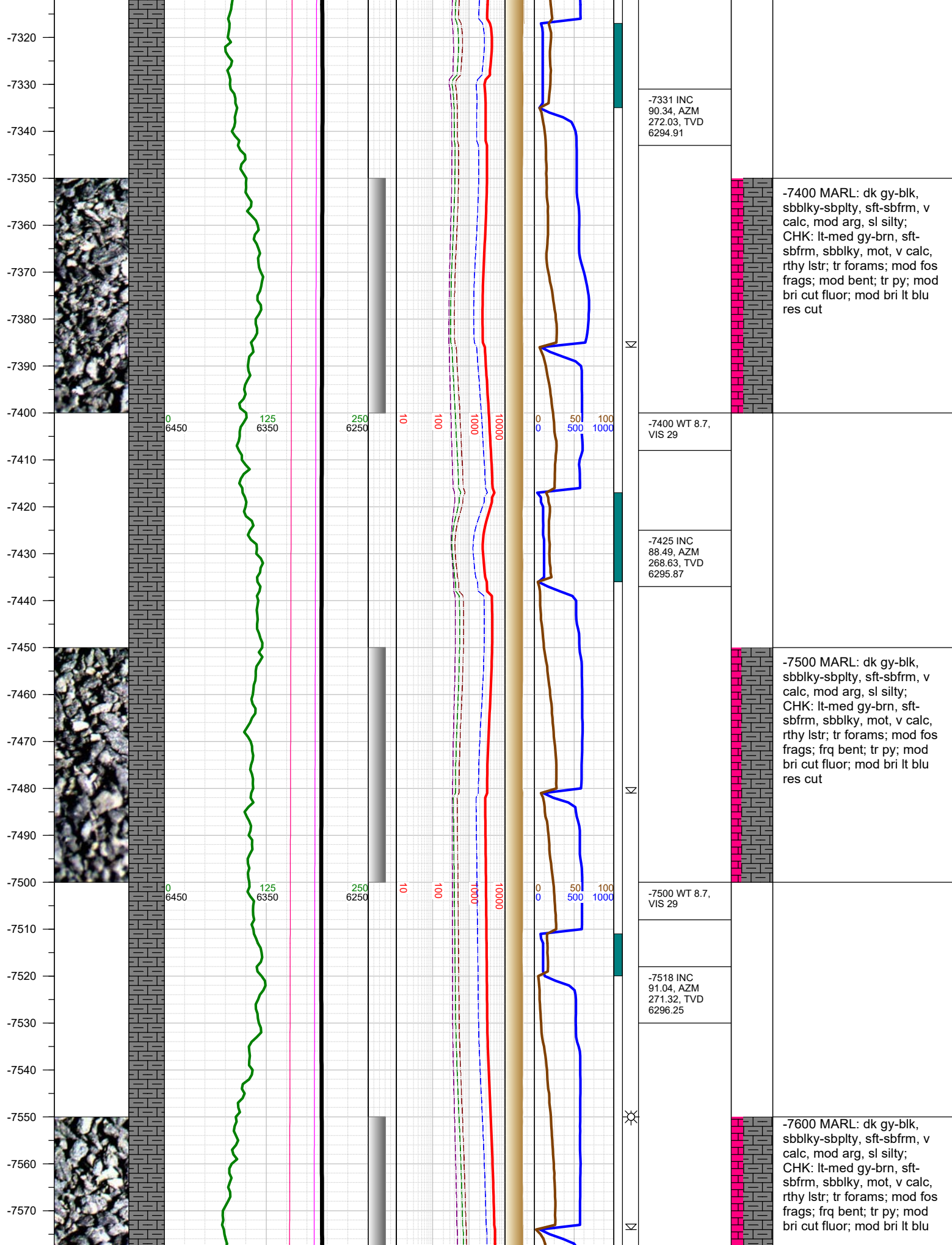




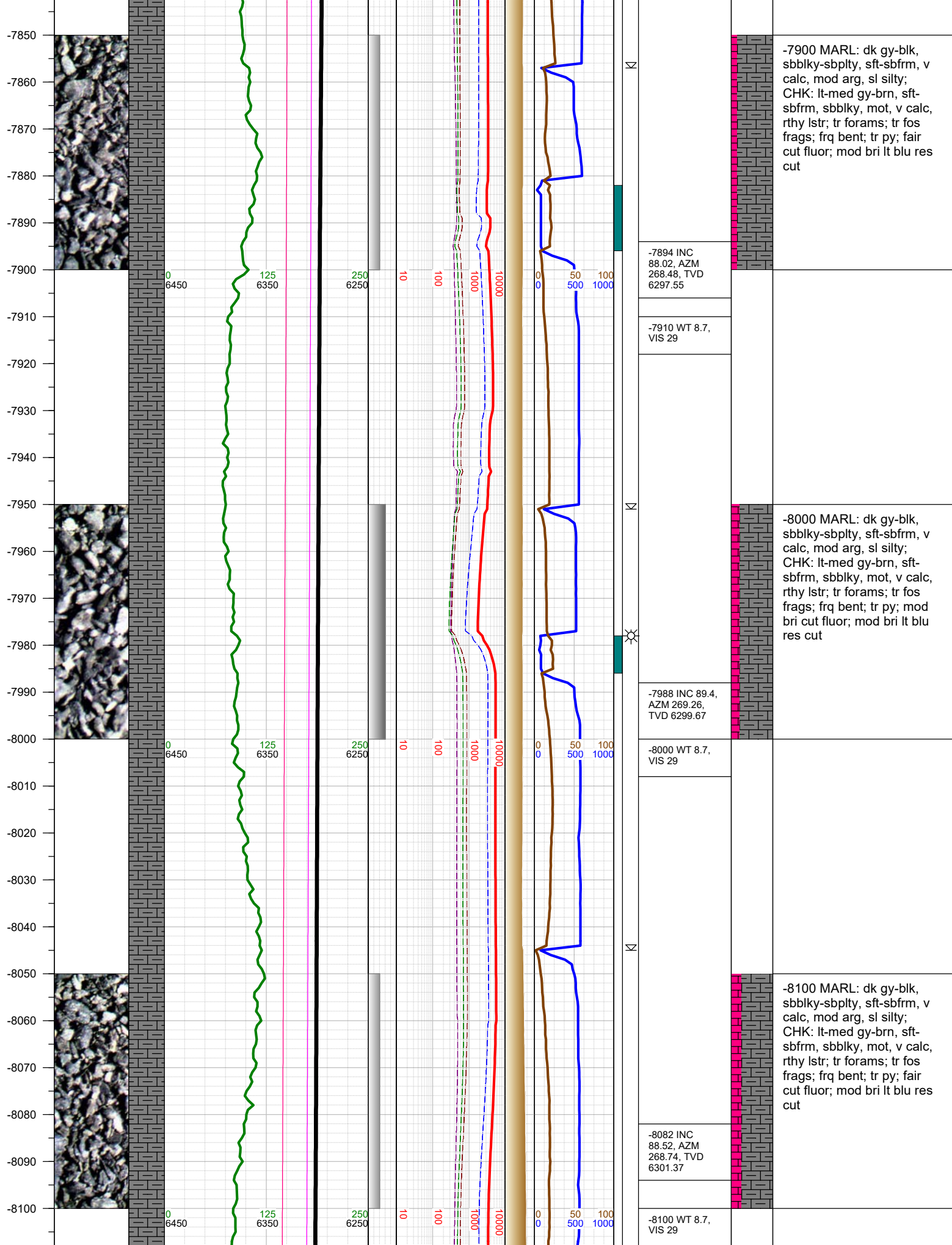




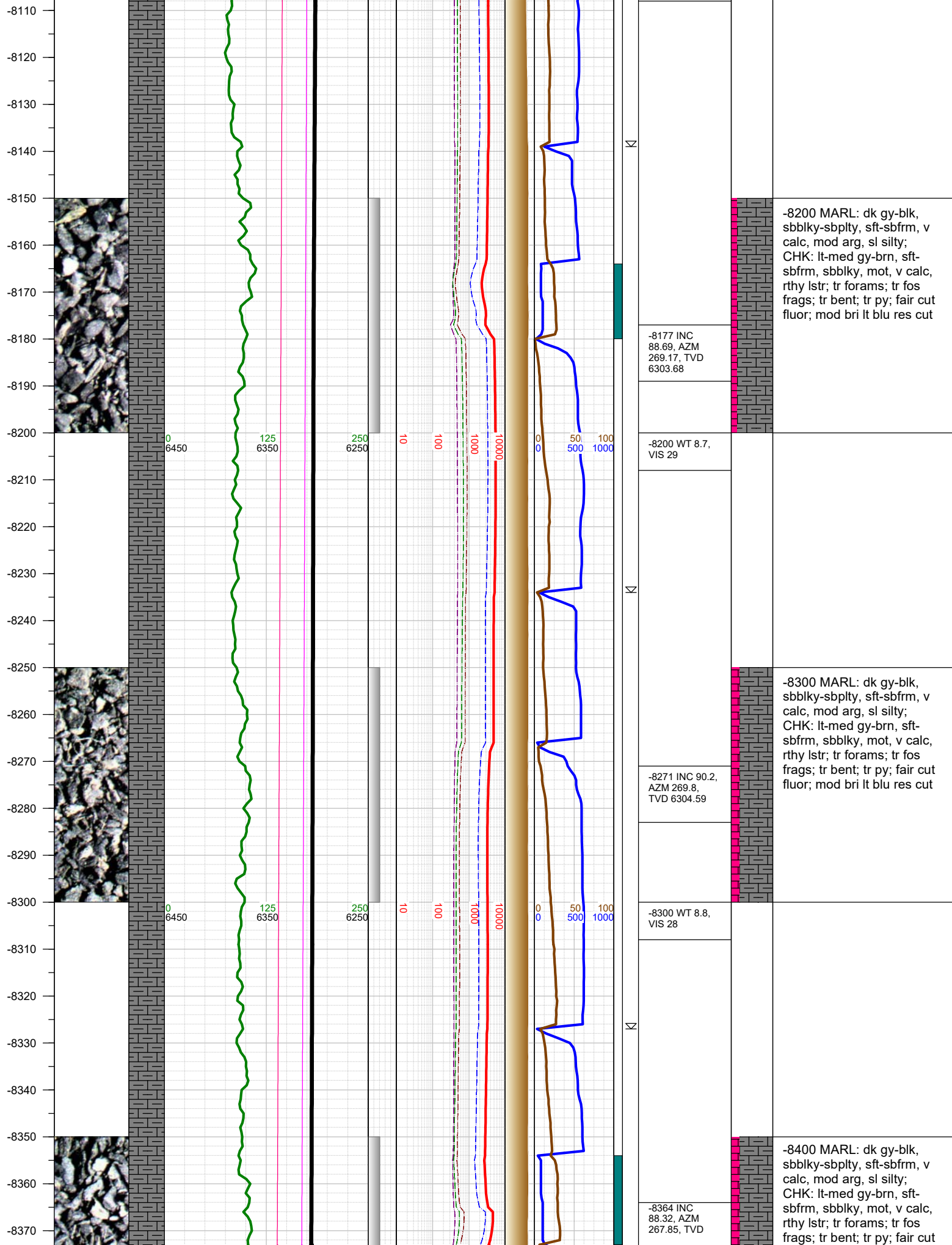


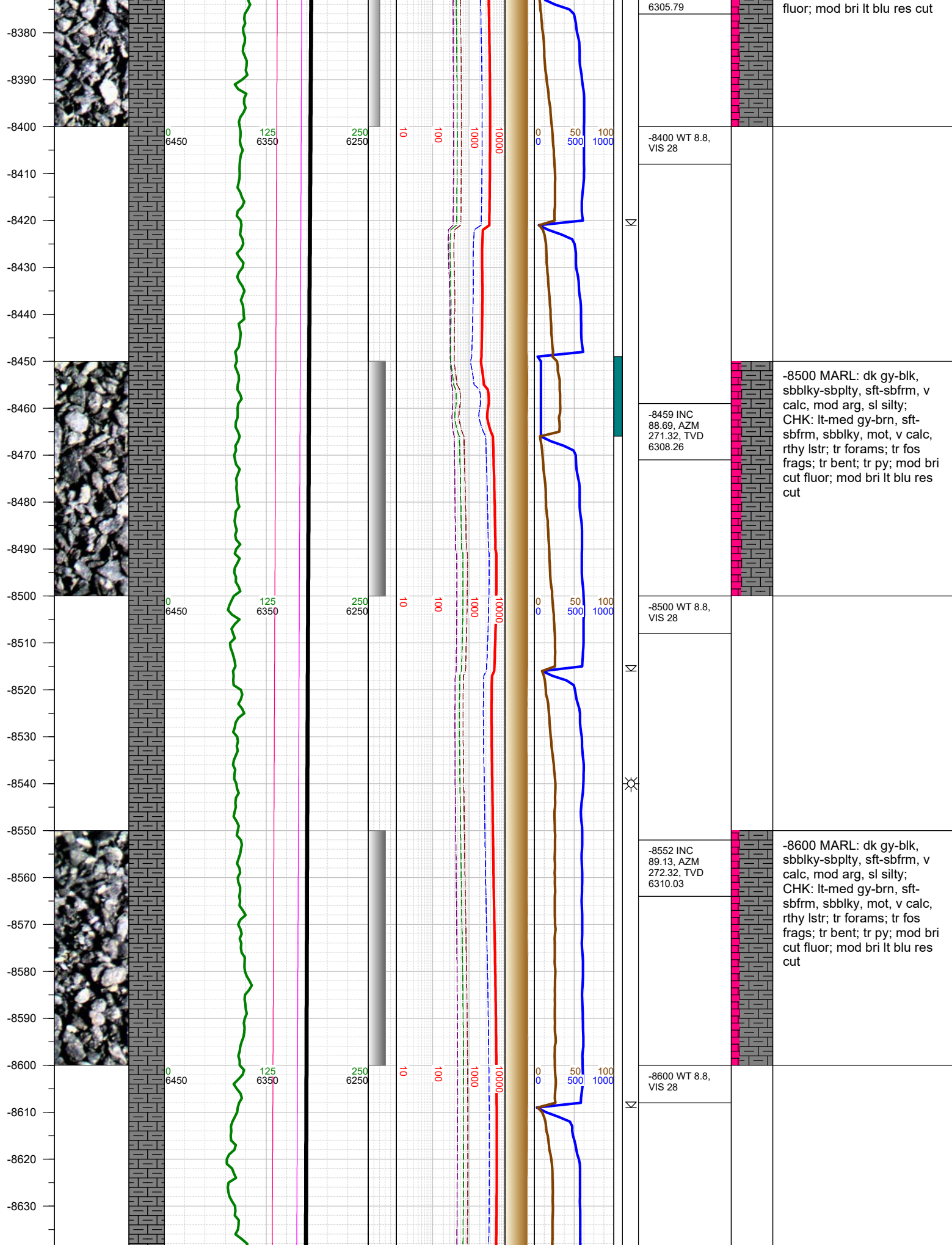


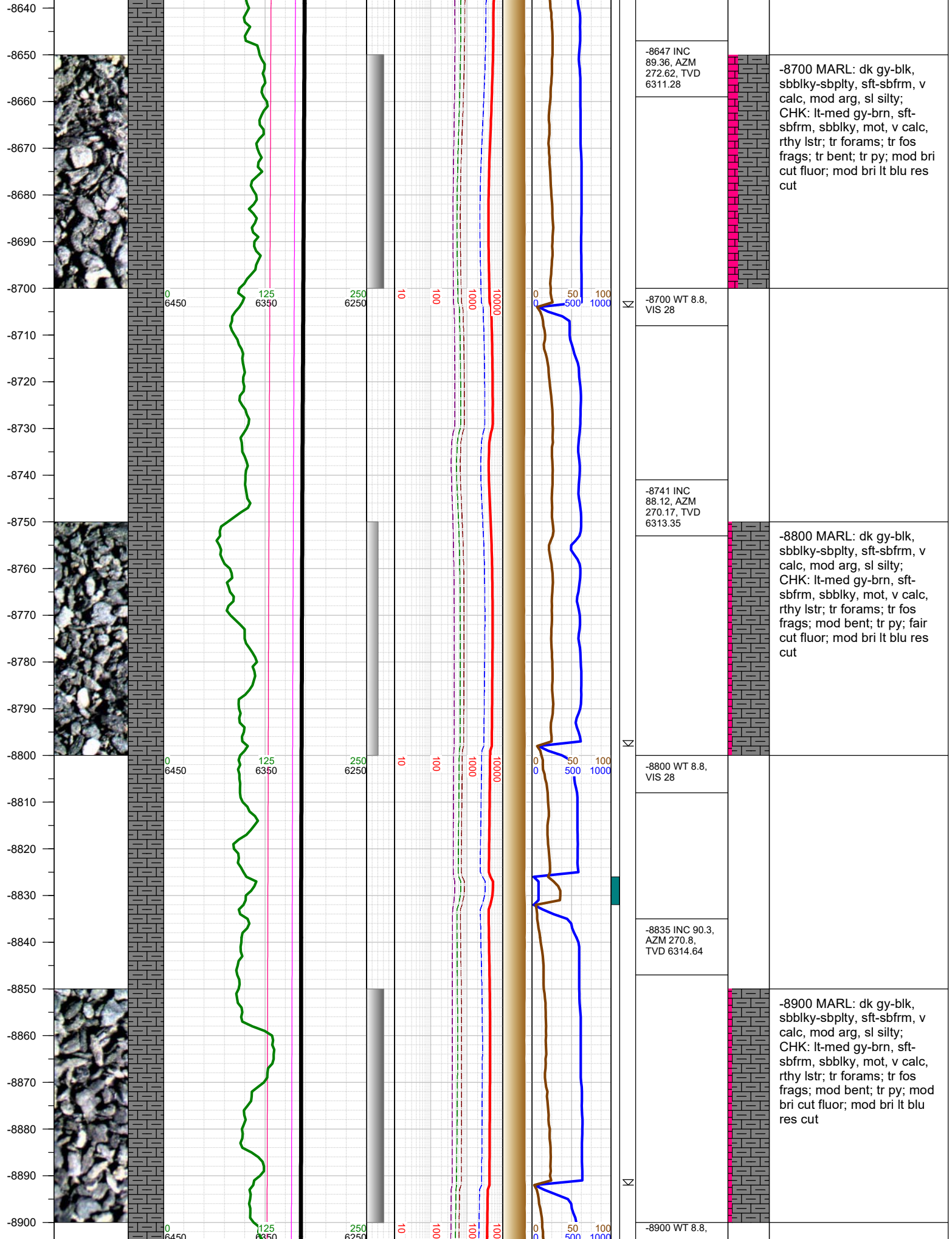




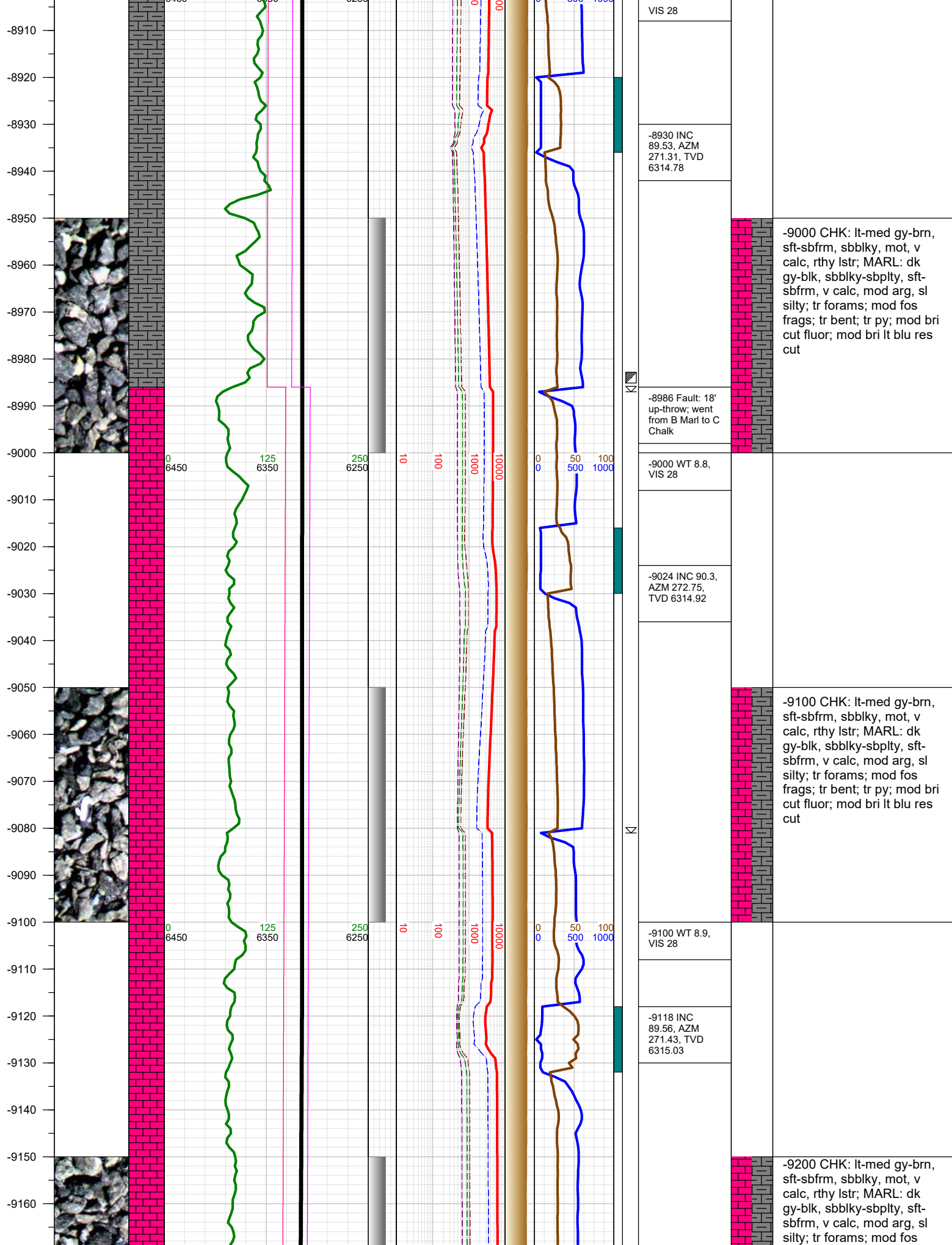


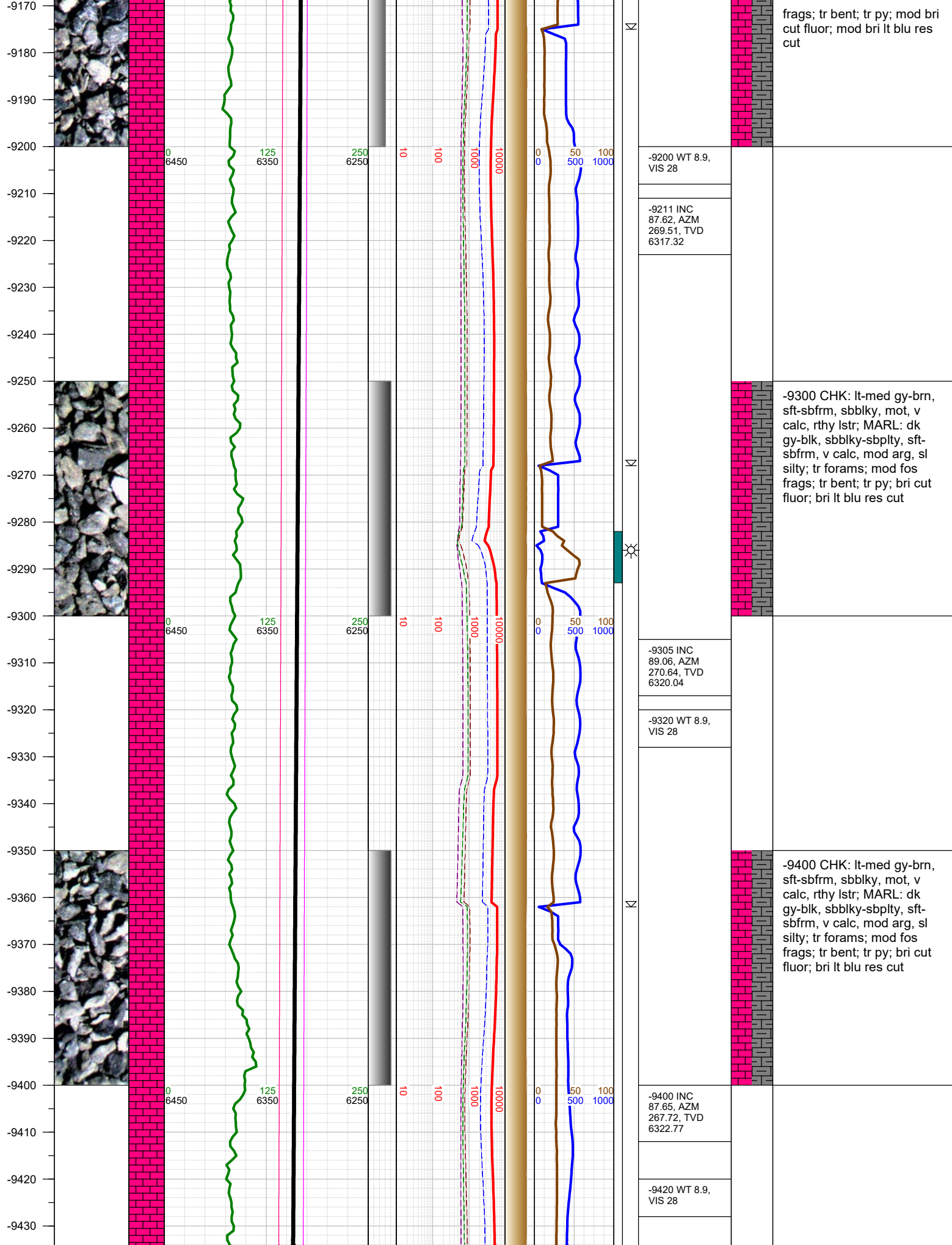


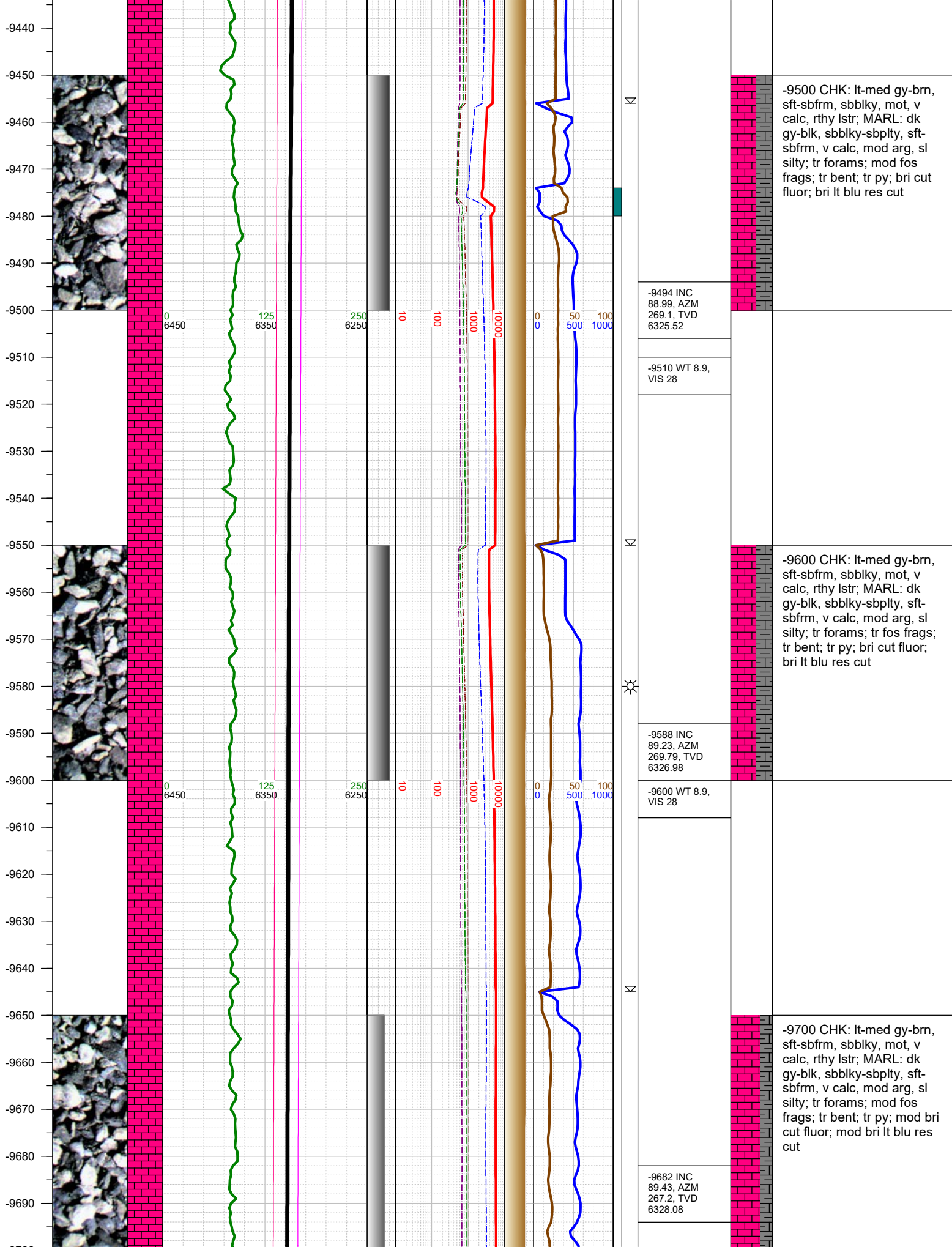




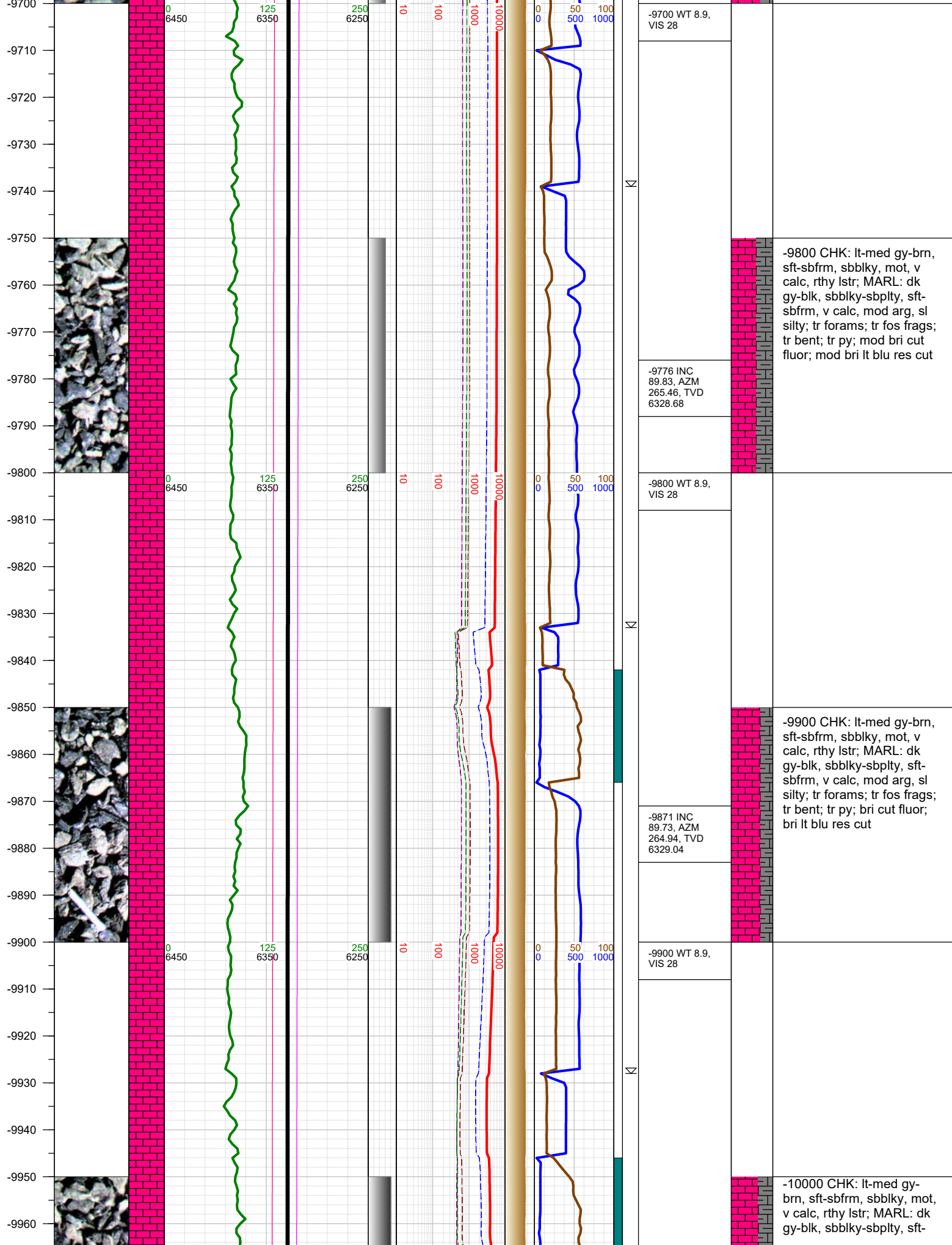


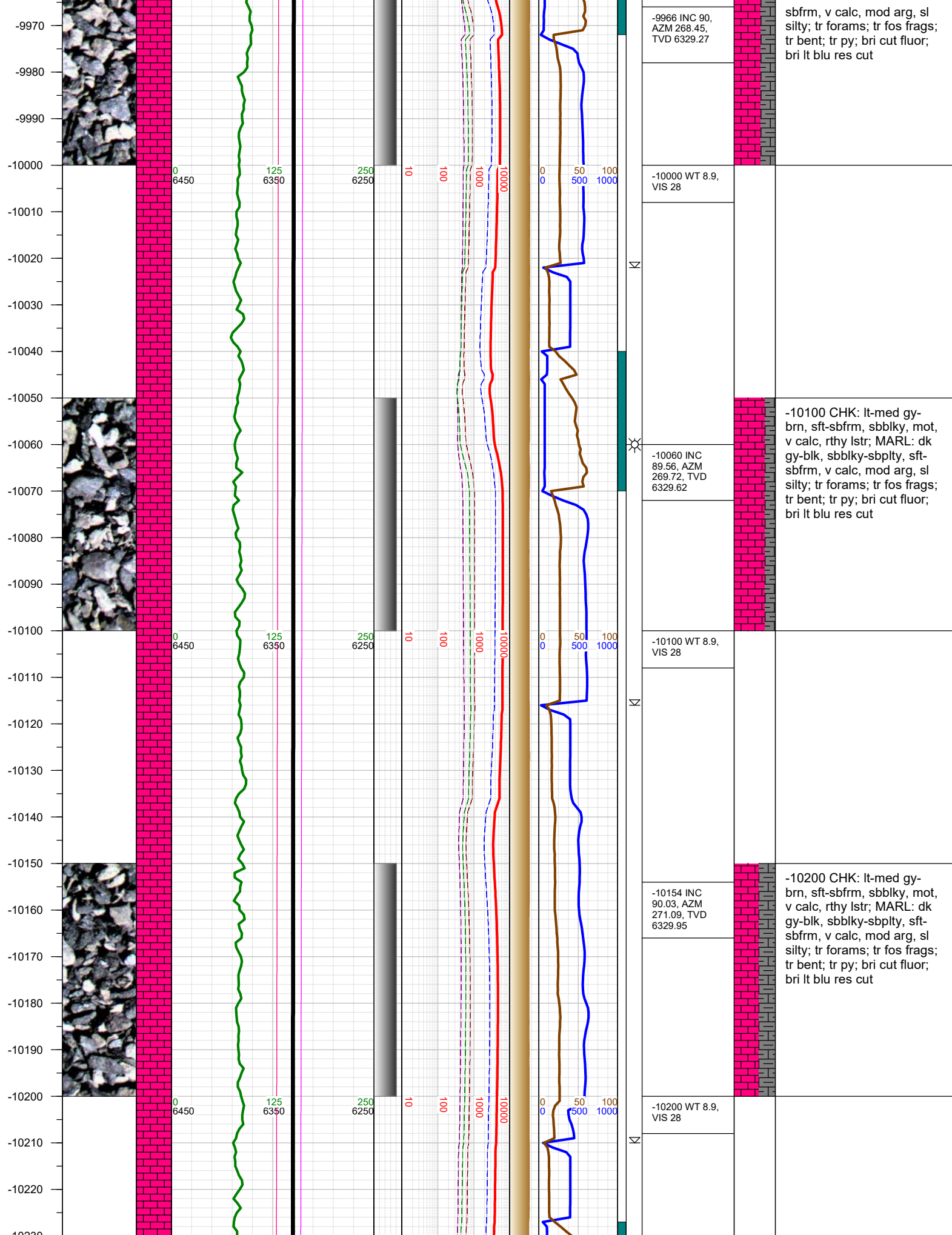


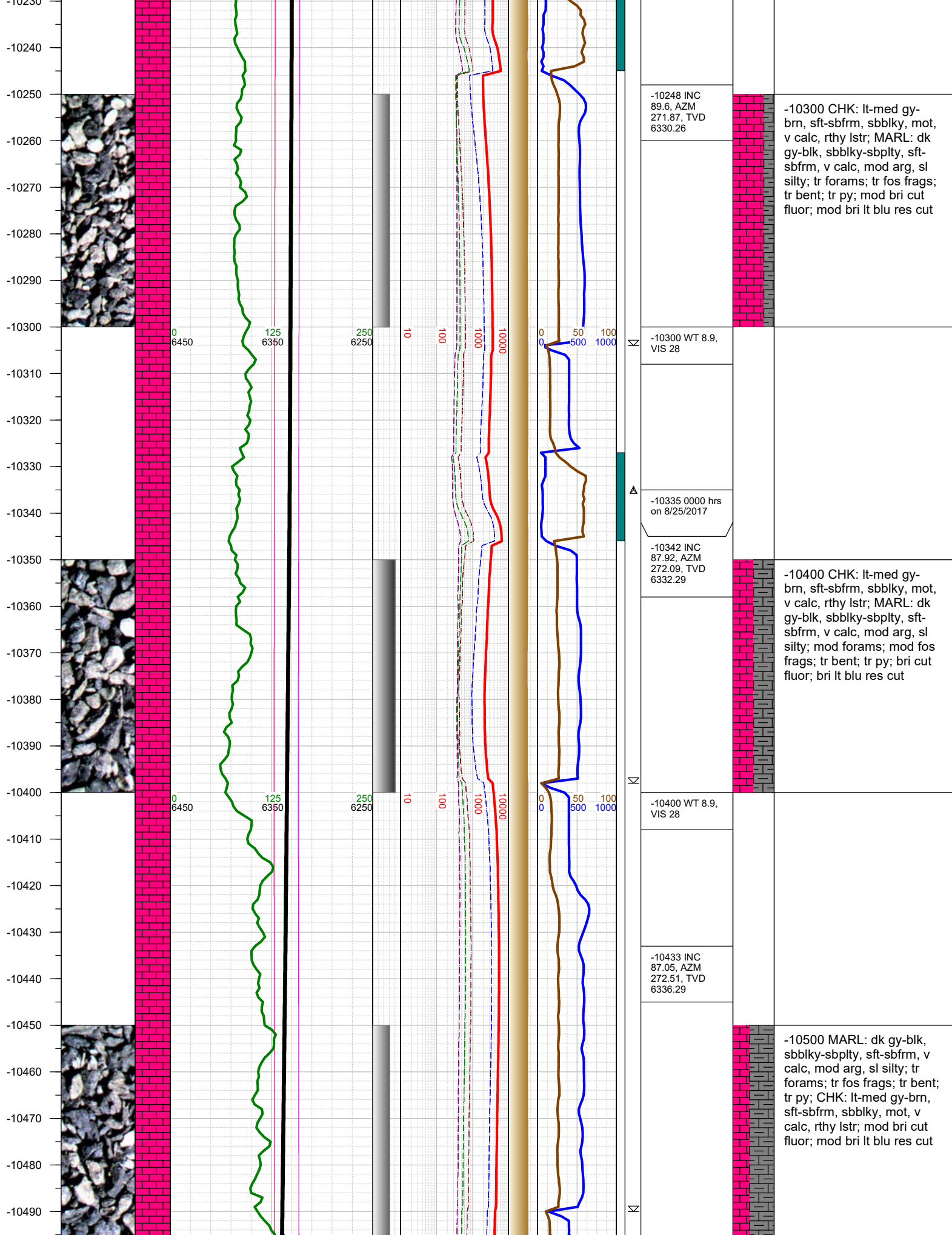




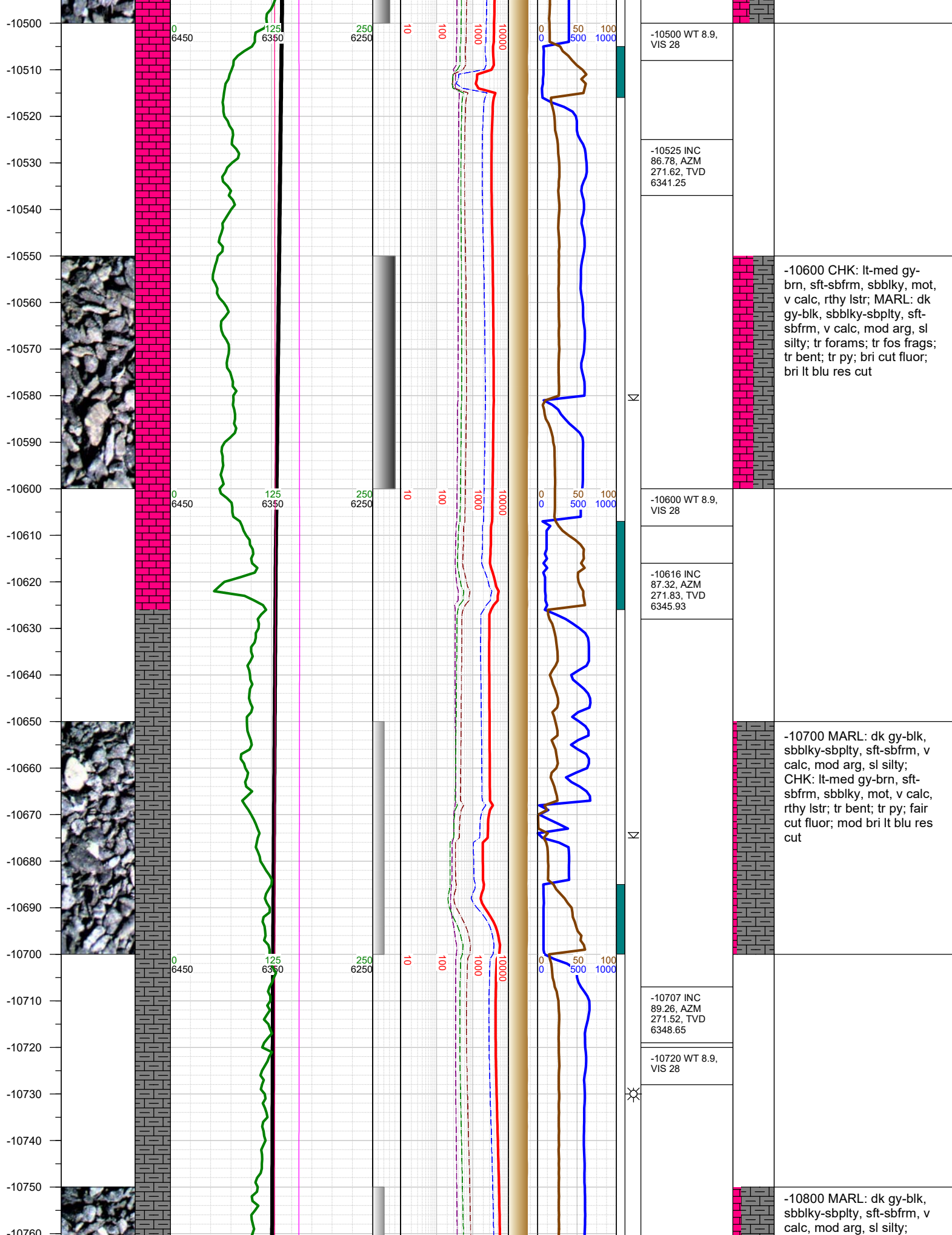


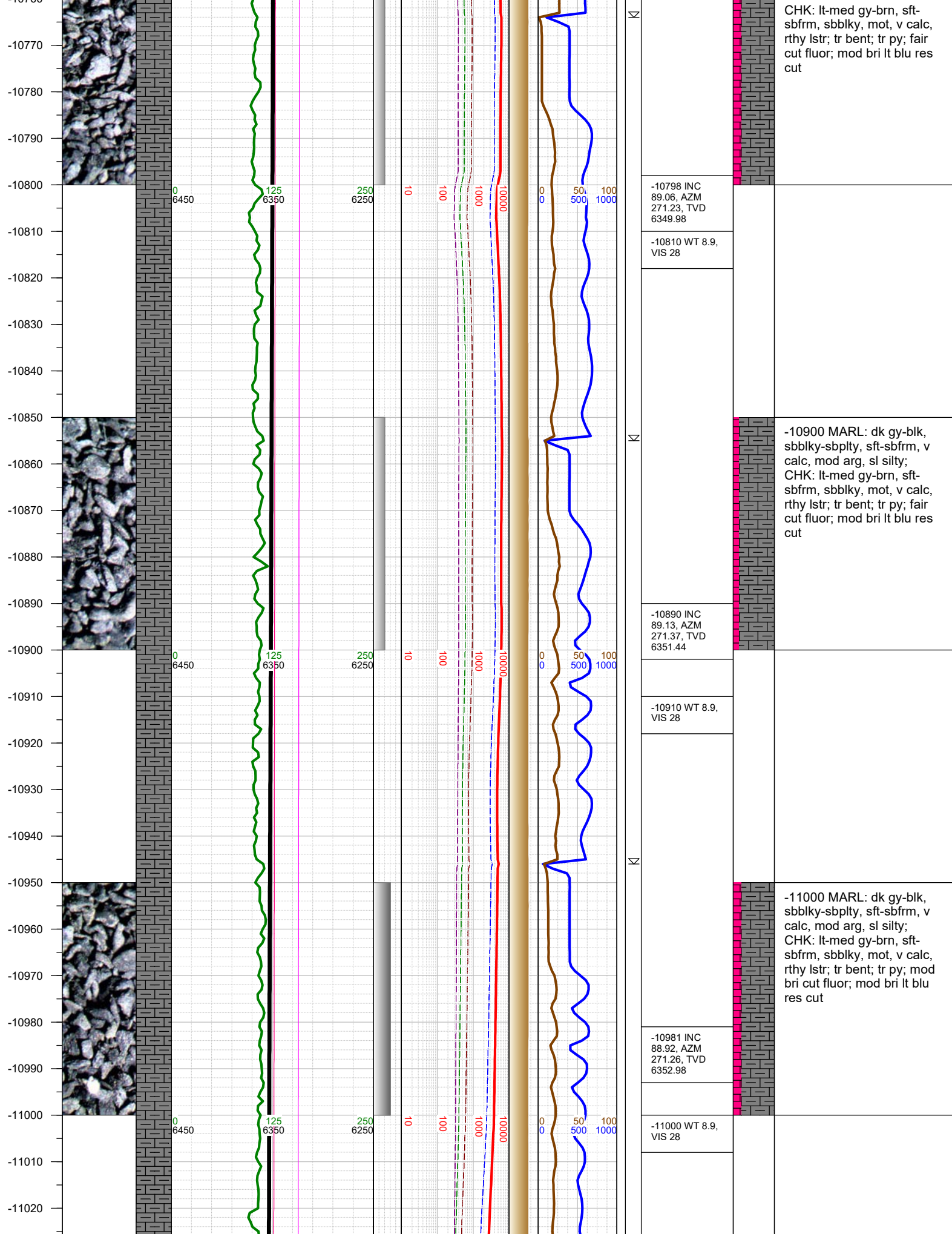


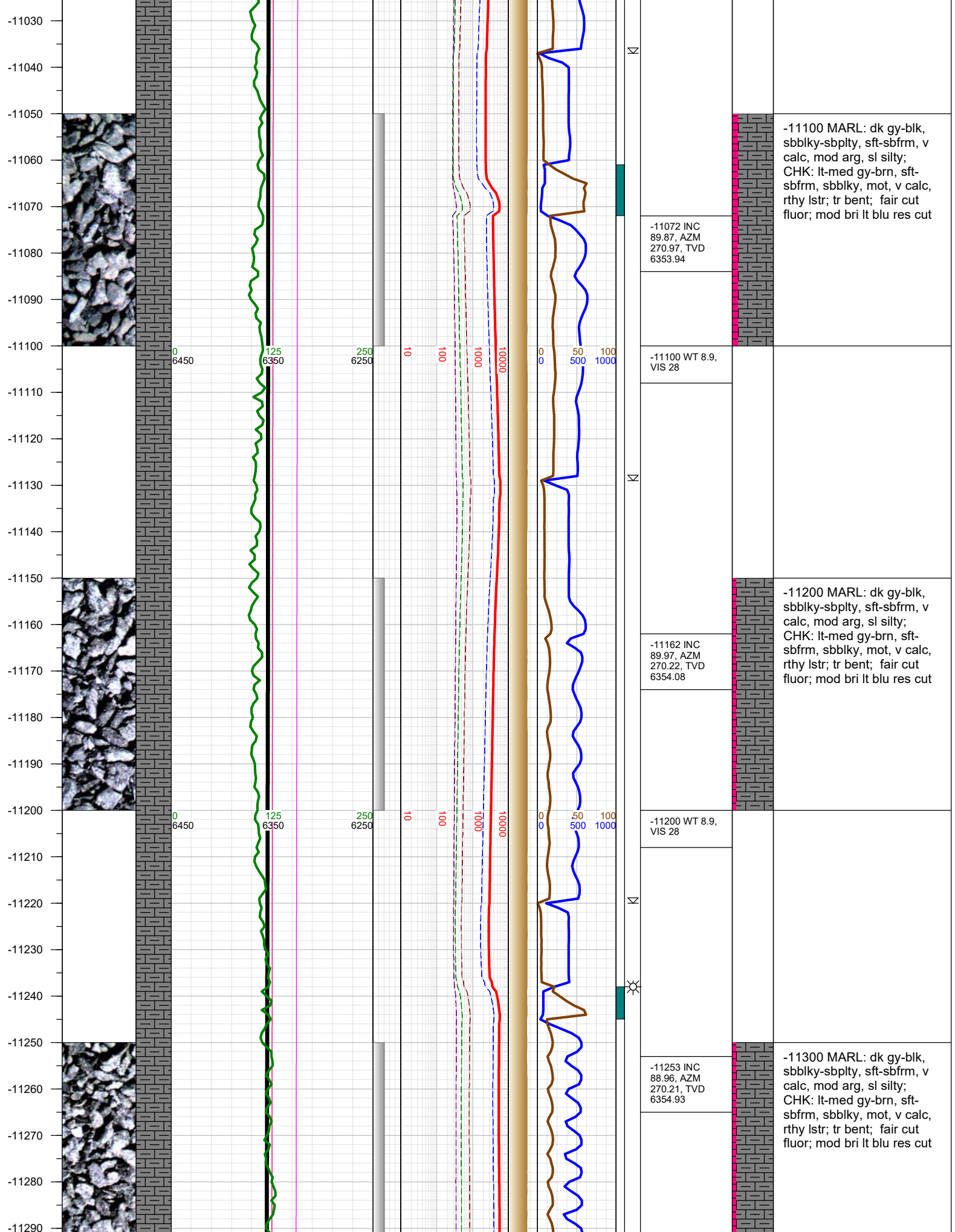




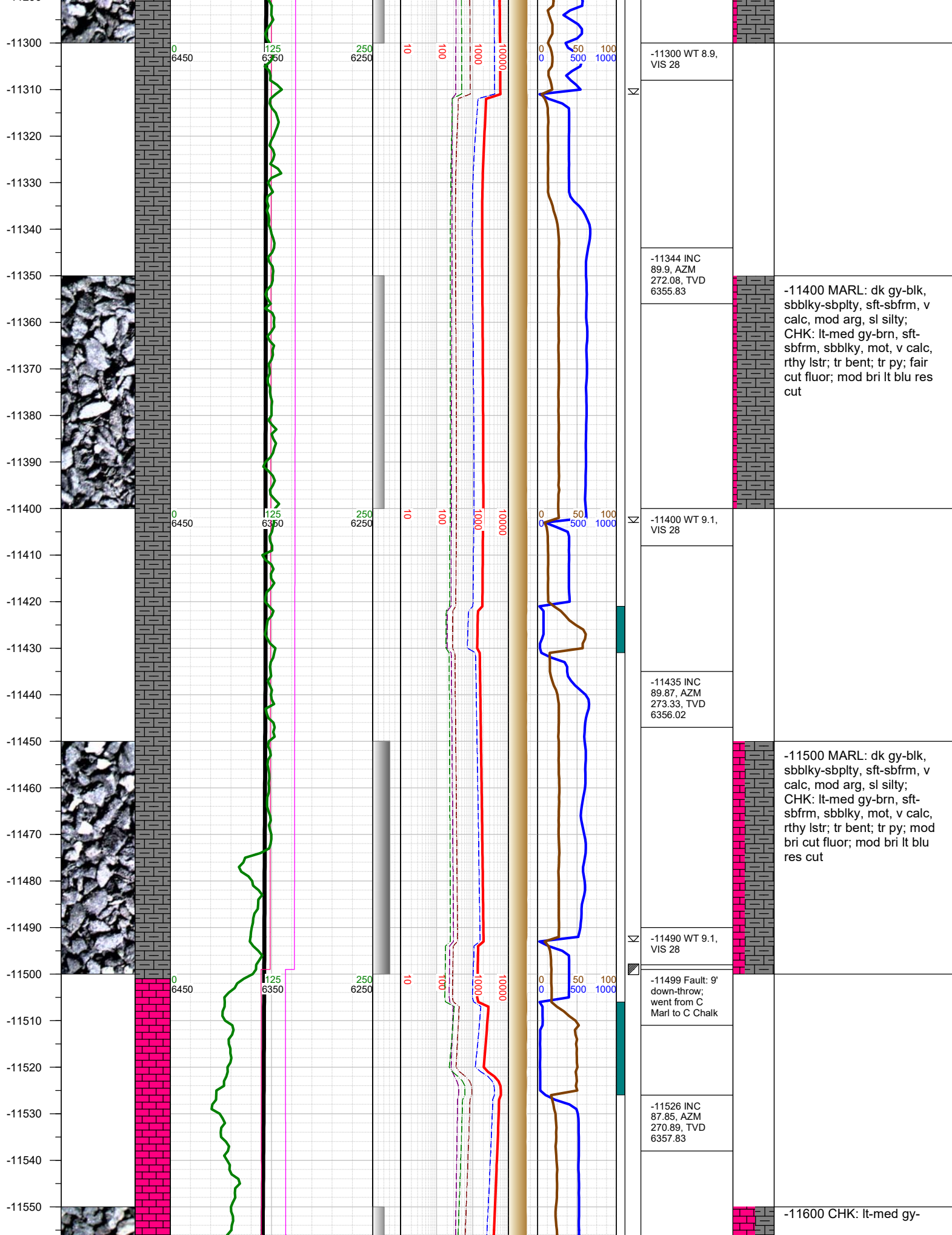


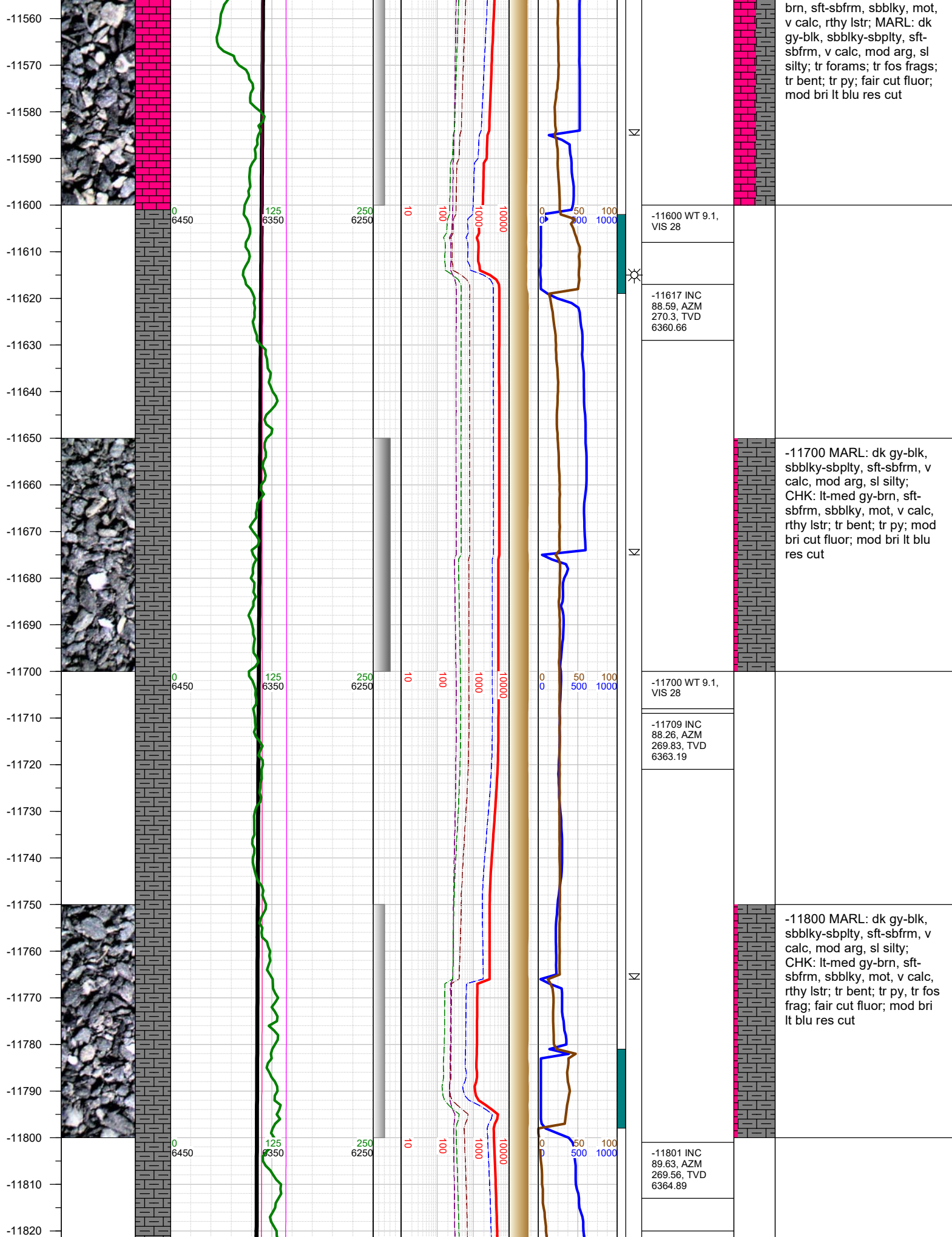








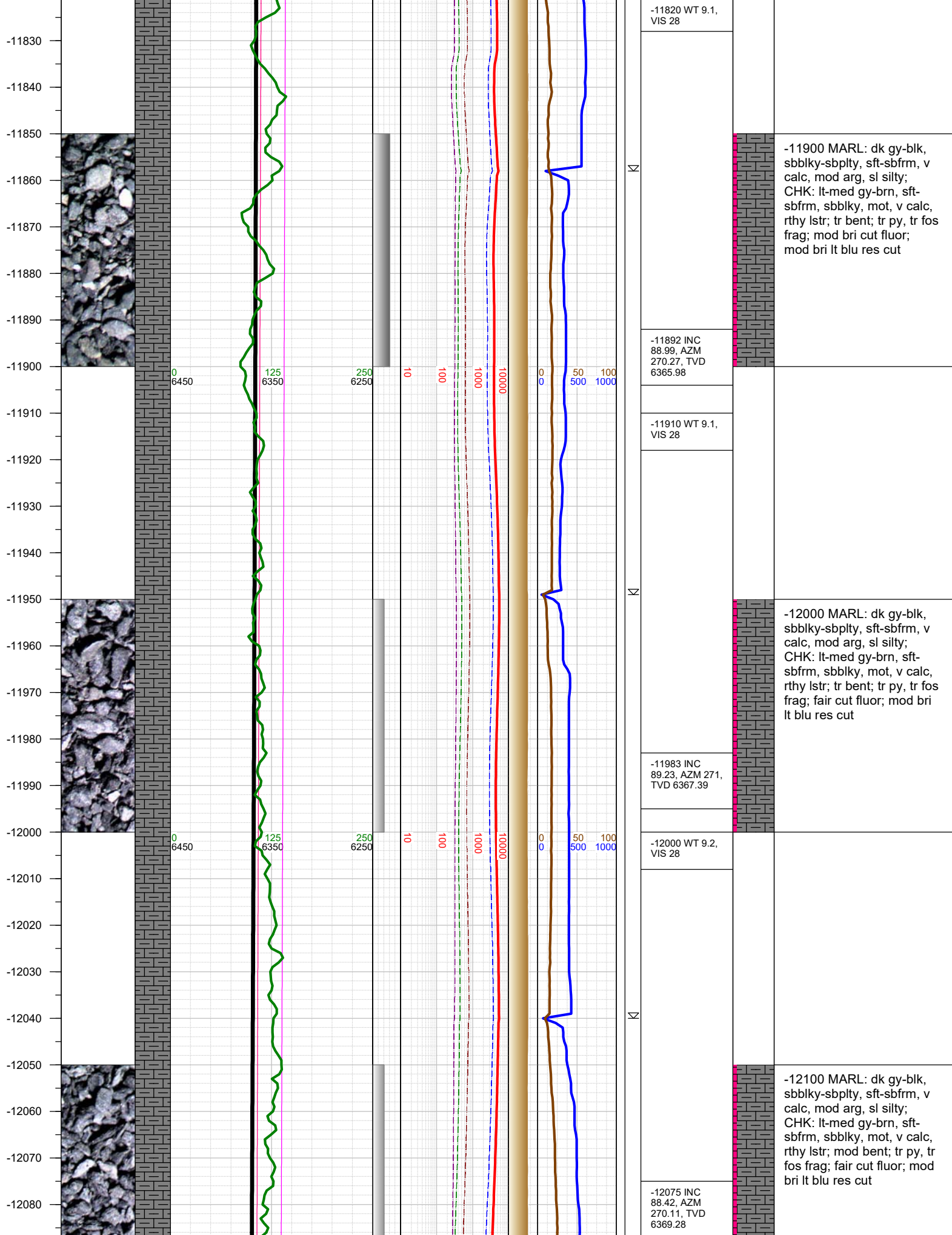




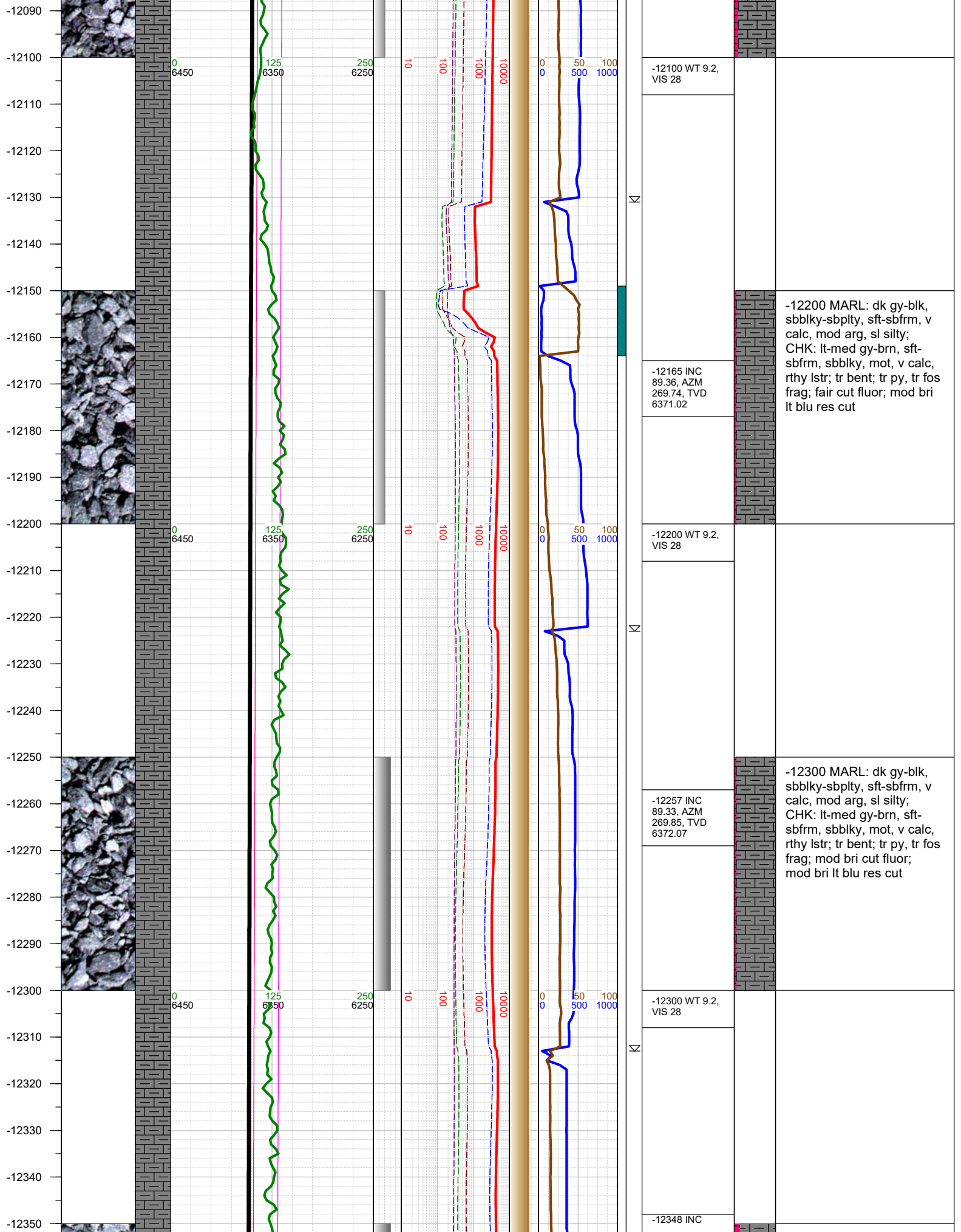
brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr forams; tr fos frags; tr bent; tr py; fair cut fluor; mod bri lt blu res cut

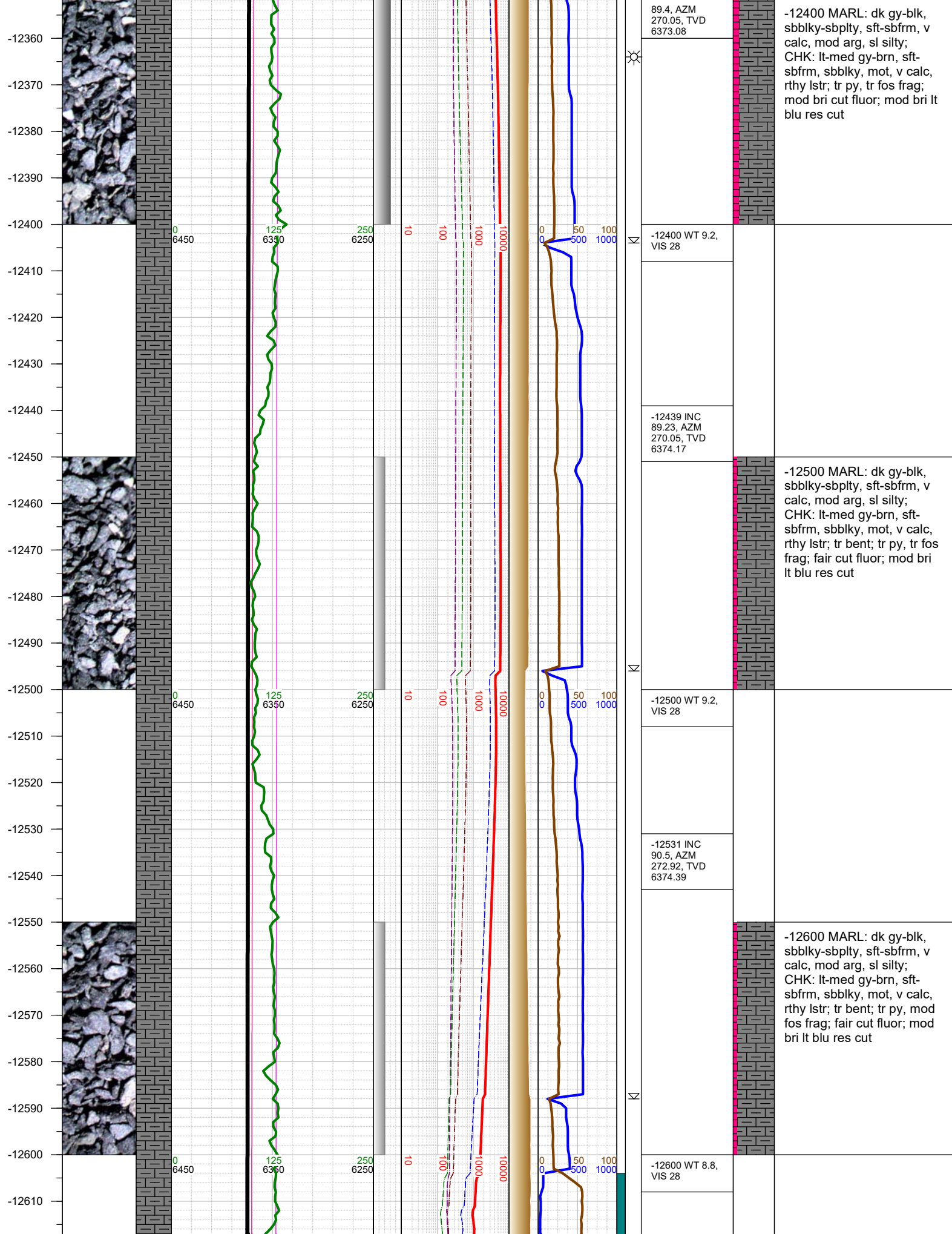
-11700 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; tr bent; tr py; mod bri cut fluor; mod bri lt blu res cut

-11800 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; tr bent; tr py, tr fos frag; fair cut fluor; mod bri lt blu res cut





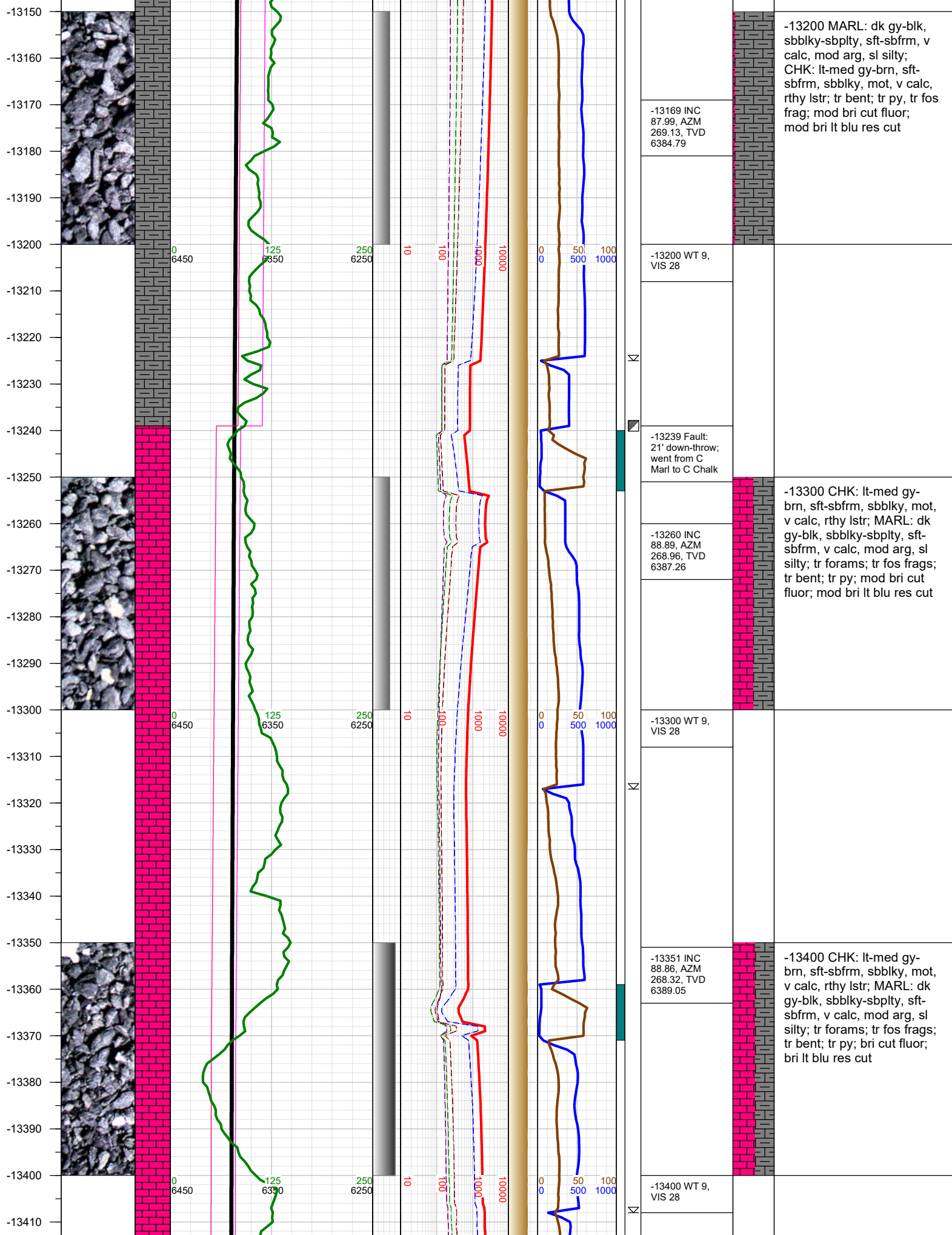






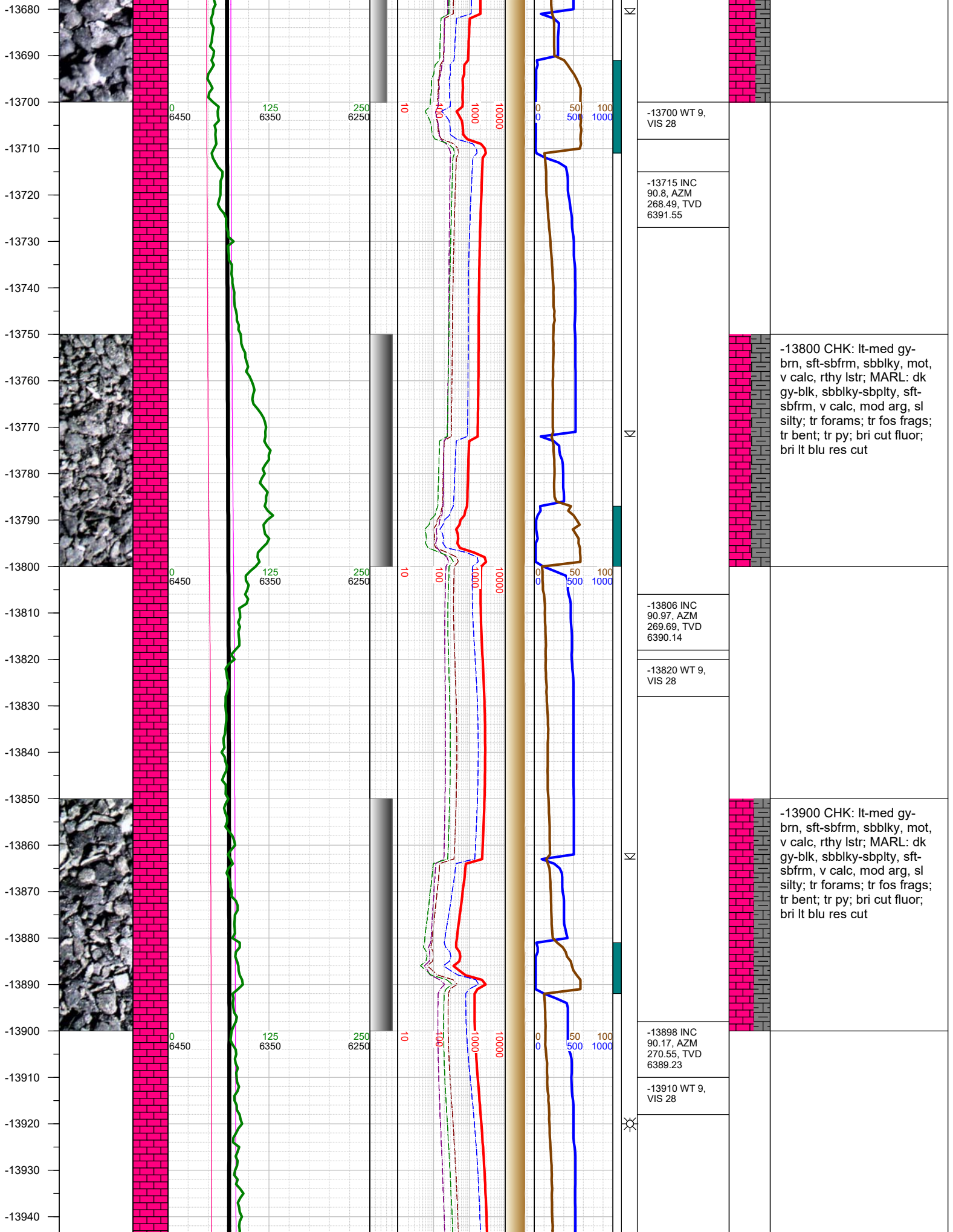


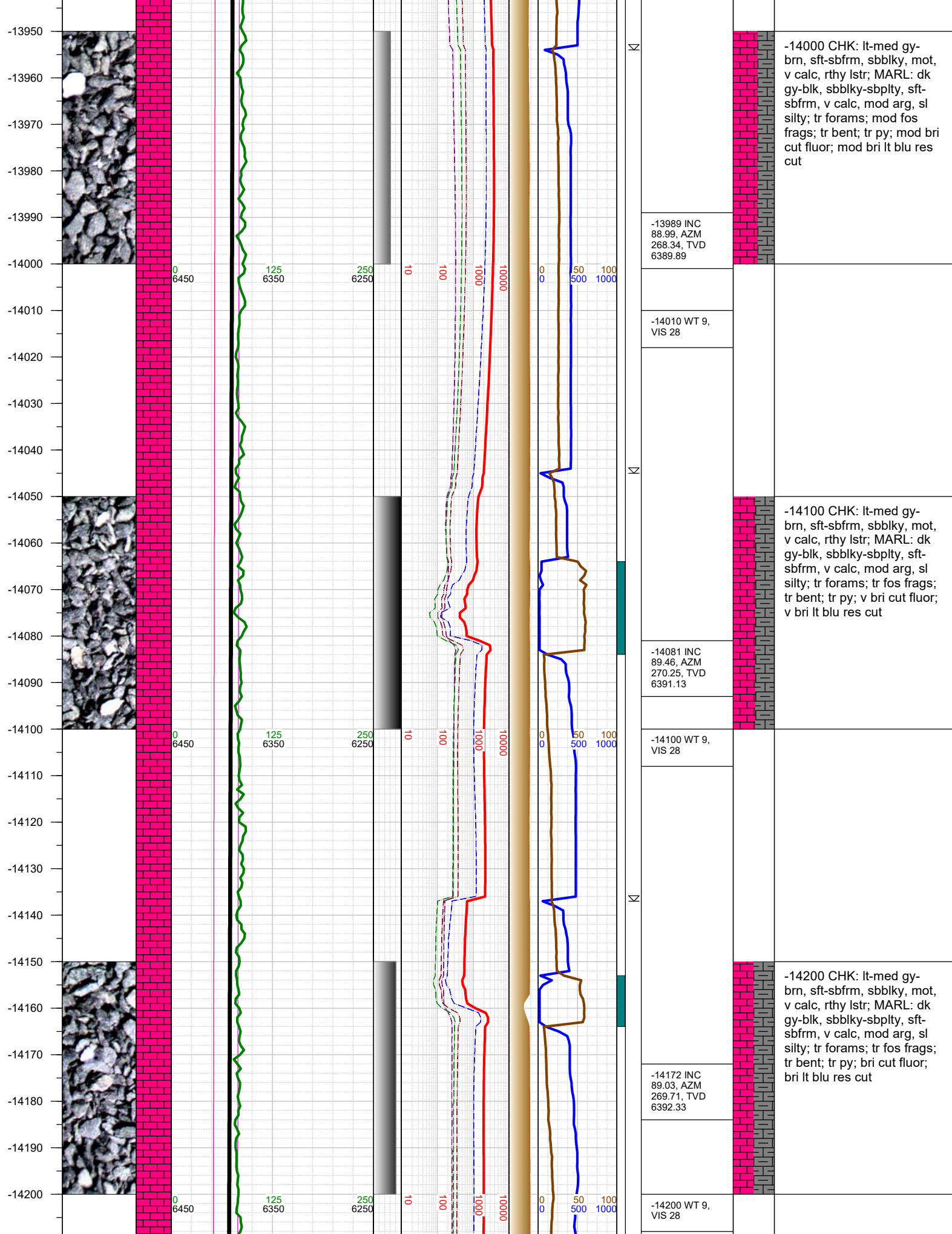


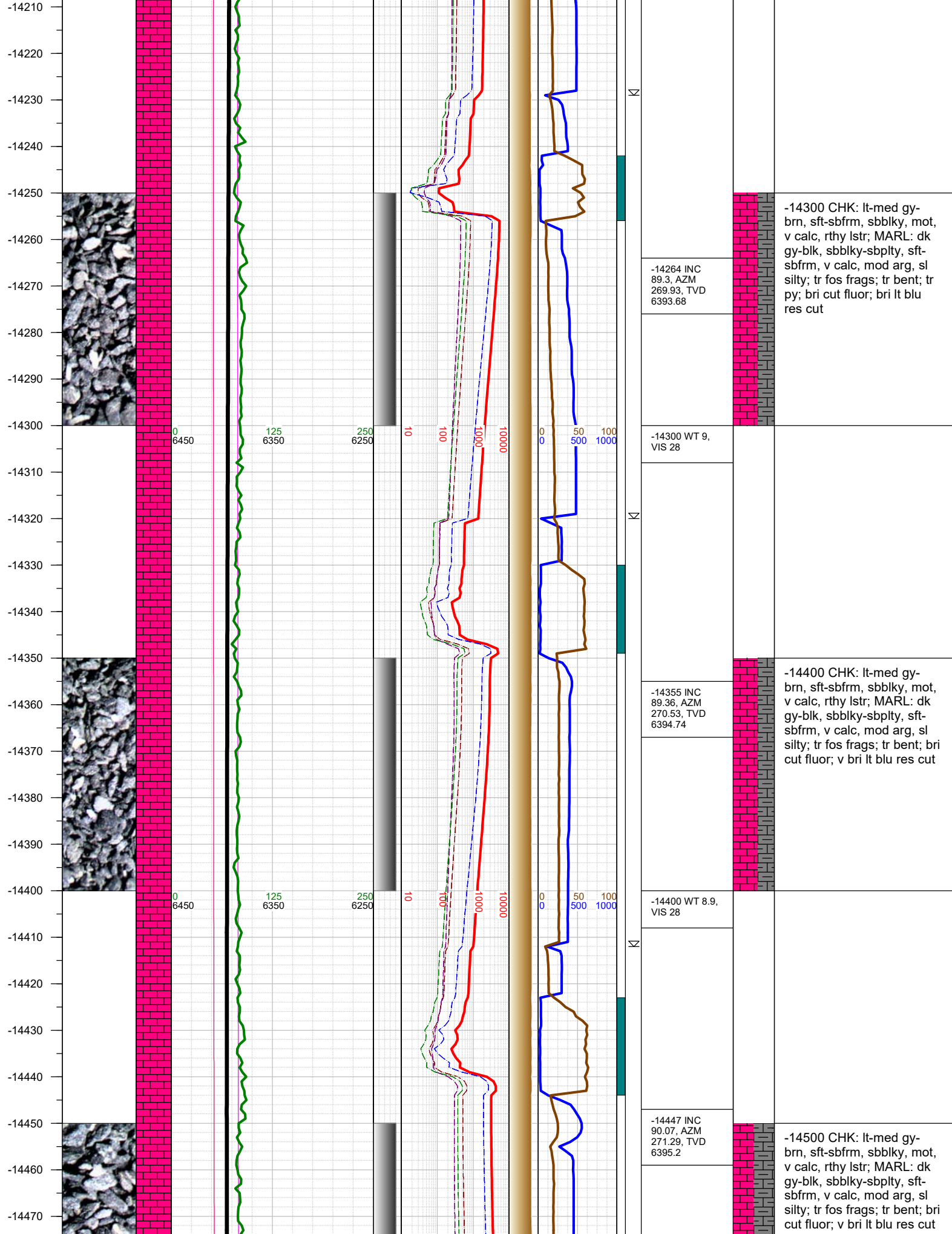














-14480  
-14490  
-14500  
-14510  
-14520  
-14530  
-14540  
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-14580  
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-14700  
-14710  
-14720  
-14730



0  
6450

125  
6350

250  
6250

10

100

1000

10000

0

50

100

1000

10000

0

50

100

1000

10000



-14500 WT 8.9,  
VIS 28

-14539 INC  
90.13, AZM  
270.65, TVD  
6395.04

-14600 WT 8.9,  
VIS 28

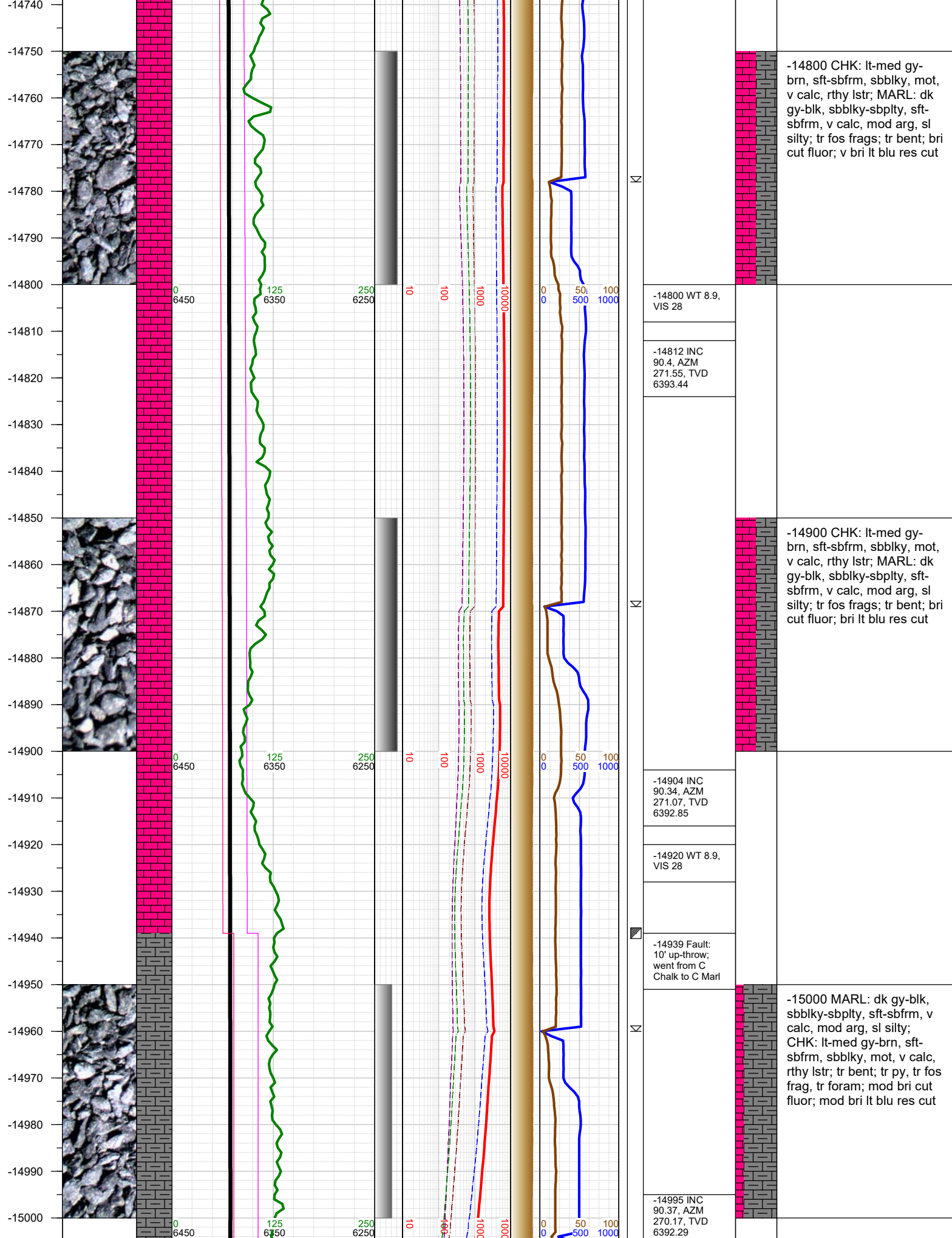
-14630 INC  
90.17, AZM  
270.17, TVD  
6394.8

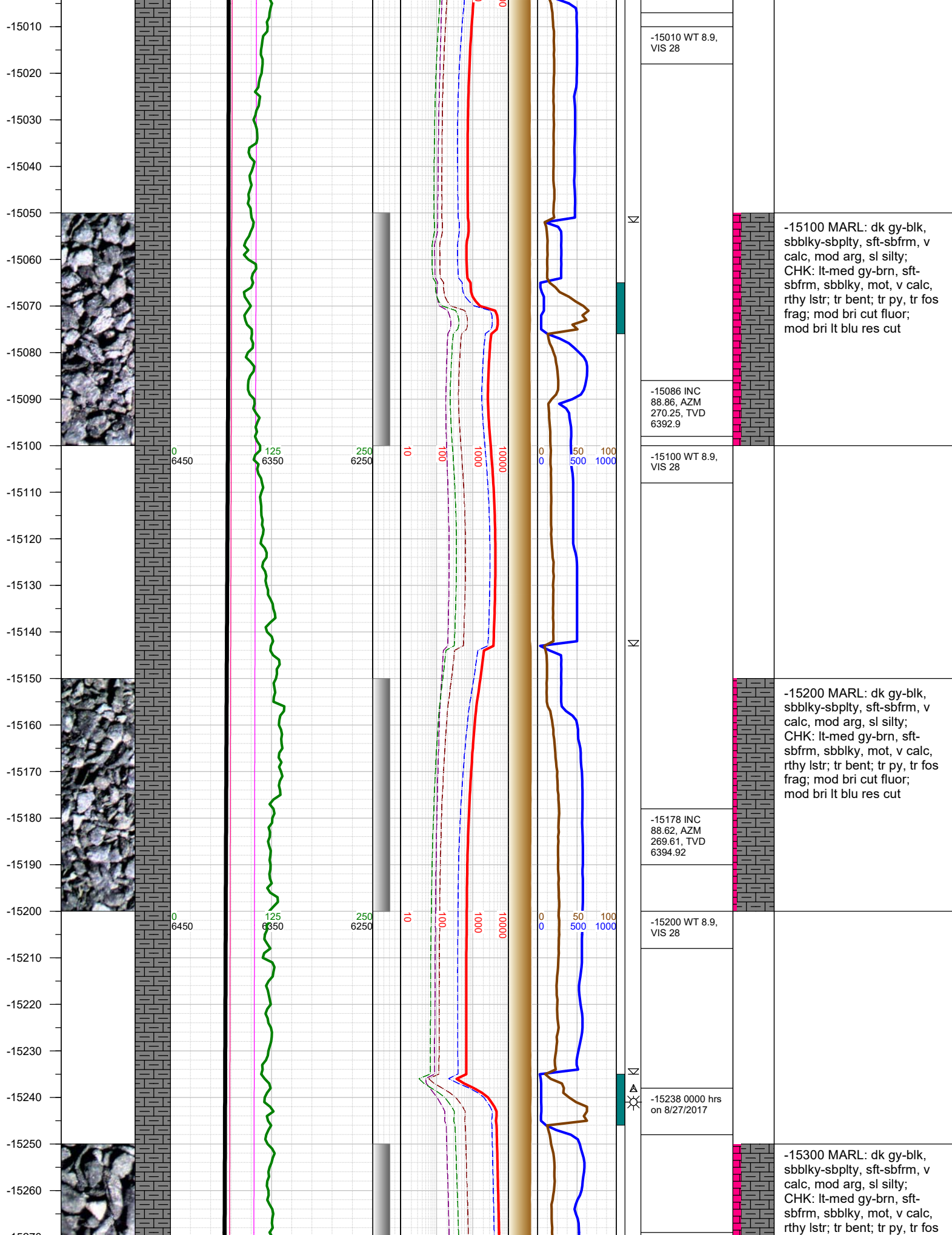
-14700 WT 8.9,  
VIS 28

-14721 INC  
90.57, AZM  
271.35, TVD  
6394.21

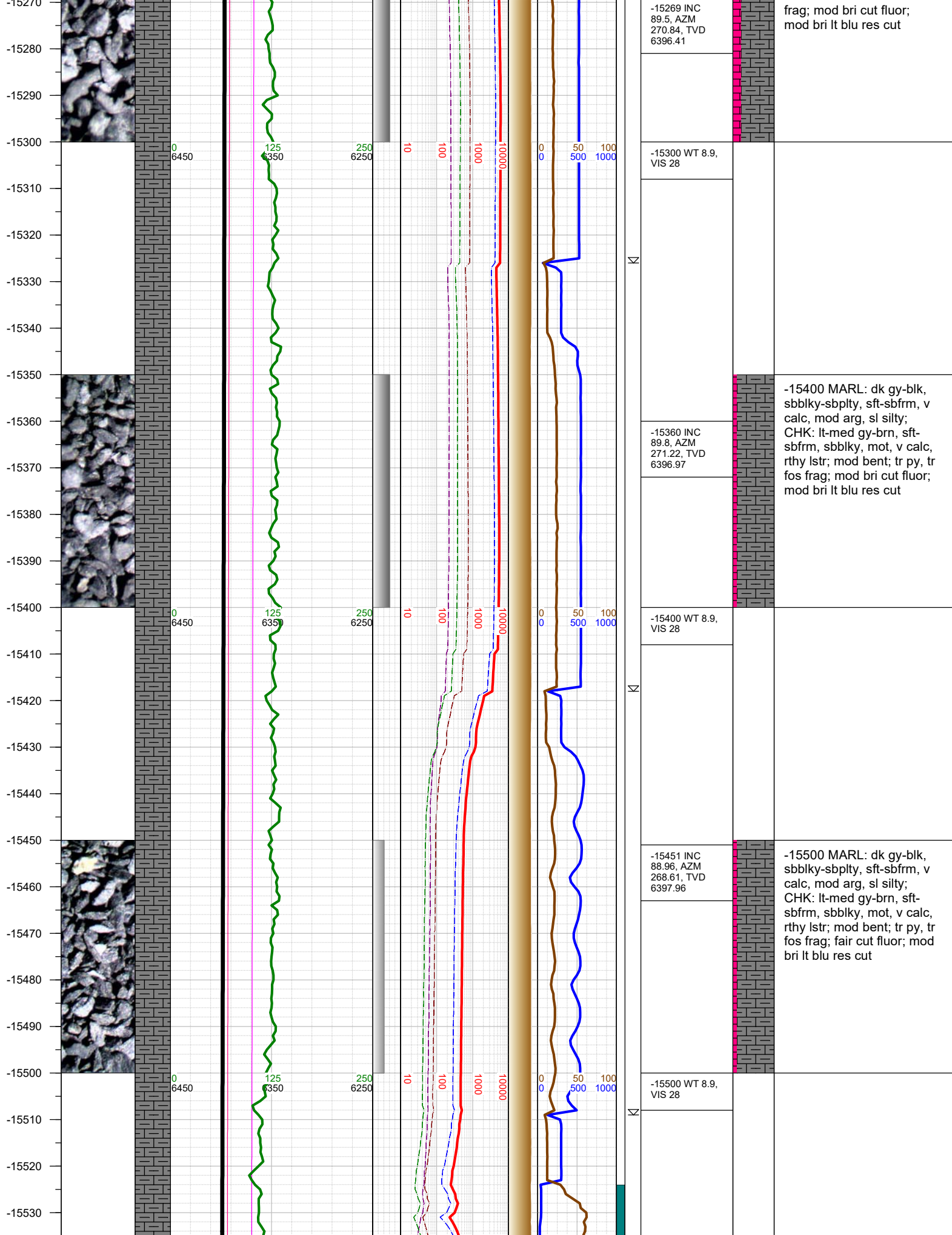
-14600 CHK: lt-med gy-  
brn, sft-sbfrm, sbbly, mot,  
v calc, rthy lstr; MARL: dk  
gy-blk, sbbly-sbply, sft-  
sbfrm, v calc, mod arg, sl  
silty; tr fos frags; tr bent; bri  
cut fluor; v bri lt blu res cut

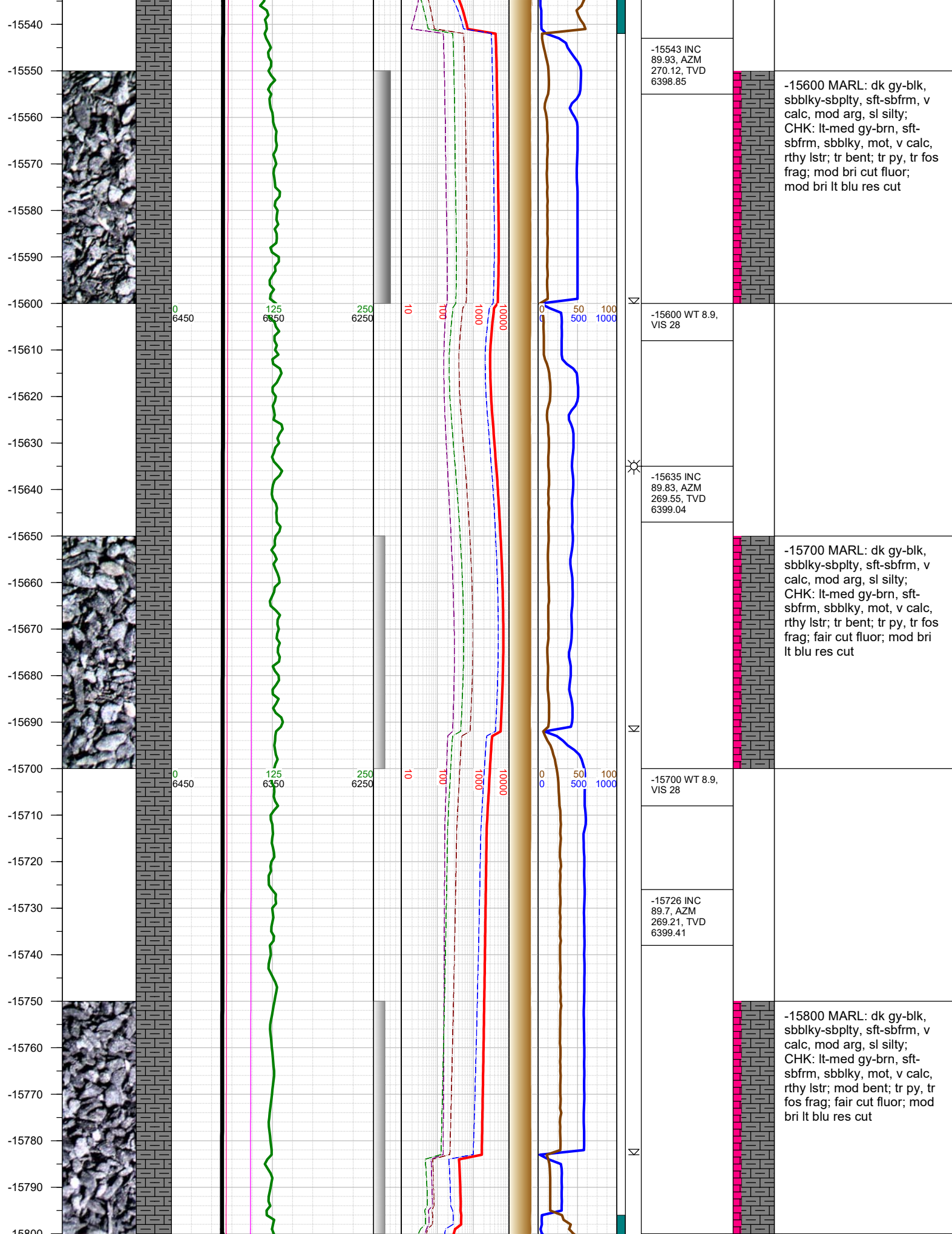
-14700 CHK: lt-med gy-  
brn, sft-sbfrm, sbbly, mot,  
v calc, rthy lstr; MARL: dk  
gy-blk, sbbly-sbply, sft-  
sbfrm, v calc, mod arg, sl  
silty; tr fos frags; tr bent; bri  
cut fluor; bri lt blu res cut

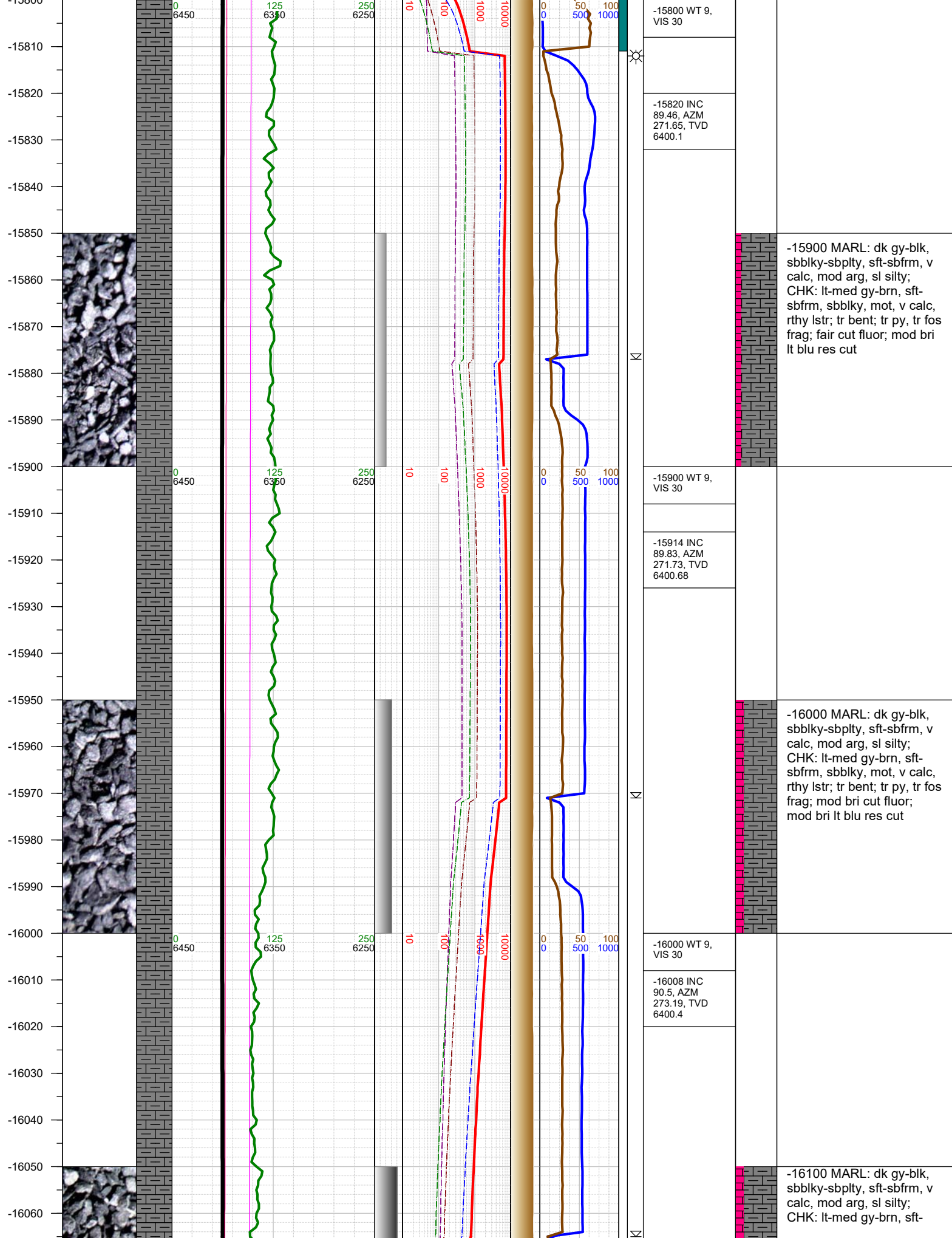




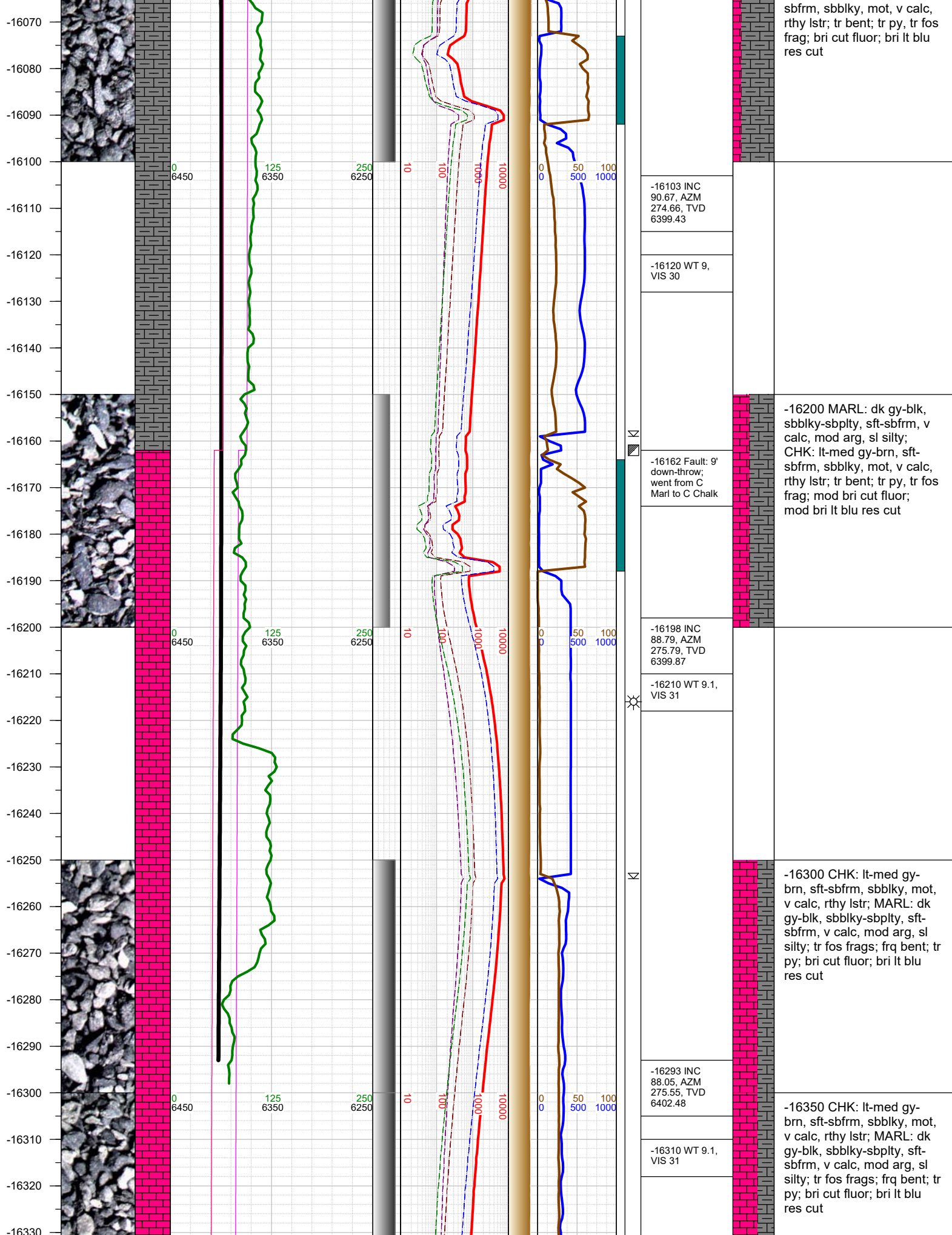


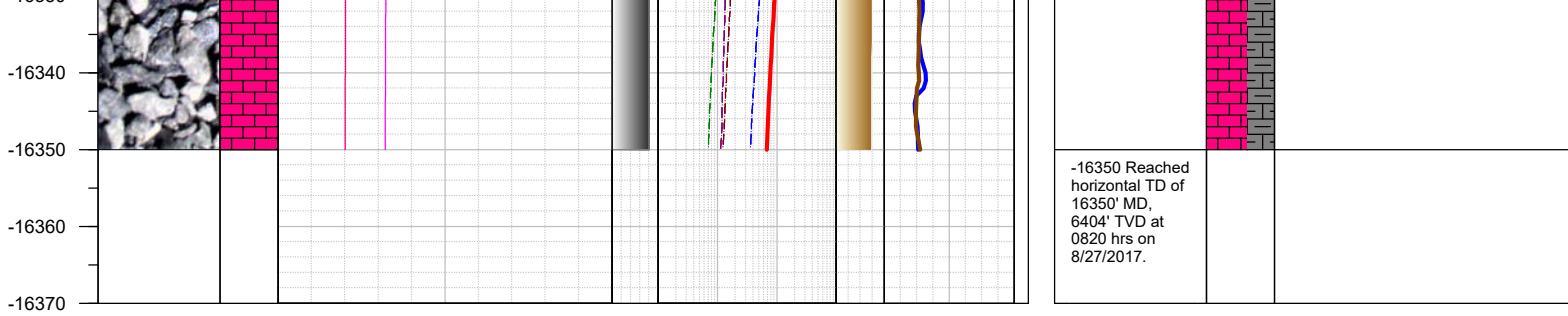












TOTAL DEPTH = 16350'

Thank you for using Earth Science Agency