

OPERATOR: **Cub Creek Energy**

WELL NAME: **Markham 1**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Xtreme 18

API #: 05-123-43650

LAT/LONG: 40.26862, -105.02312

SURFACE HOLE: NWSE S32-T4N-R68W, 2325' FSL, 1514' FEL

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



Earth Science Agency, LLC

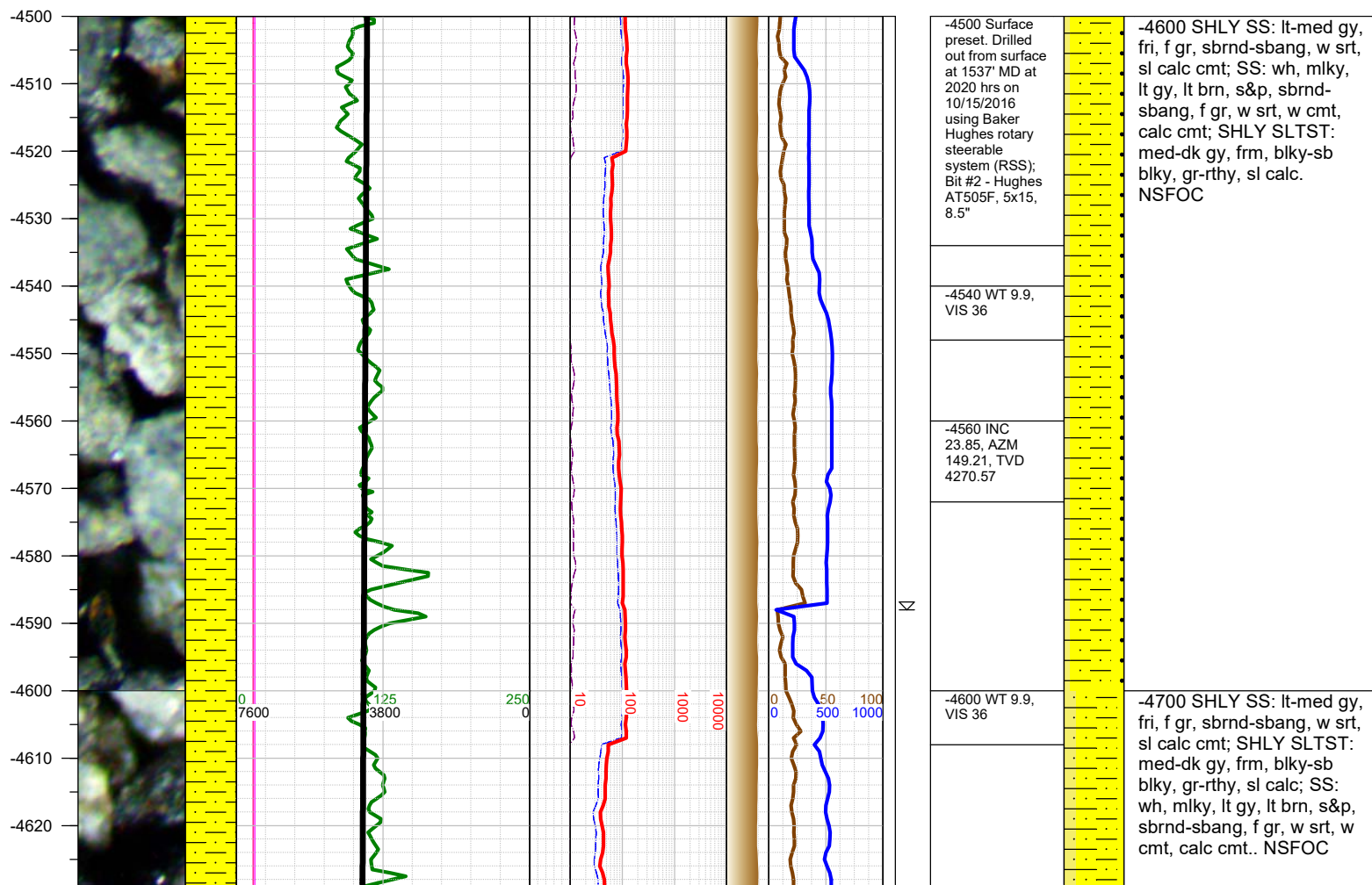
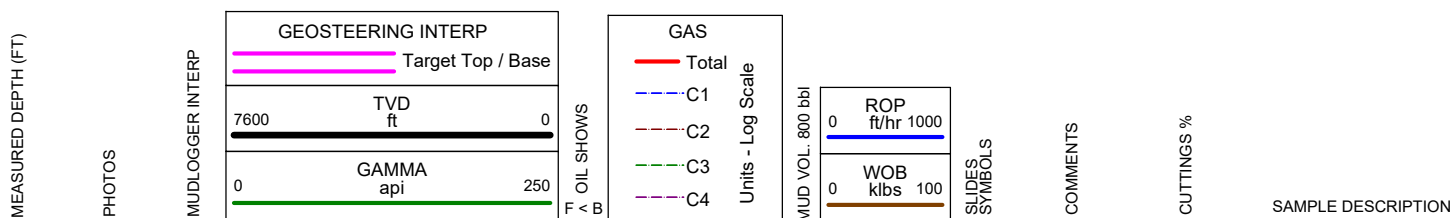
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 5044'
KELLY BUSHING: 5060'
DRILLING FLUID: WBM
TVD VS. MD: 7078' / 12202'
SPUD DATE: October 15, 2016
TD DATE: October 18, 2016

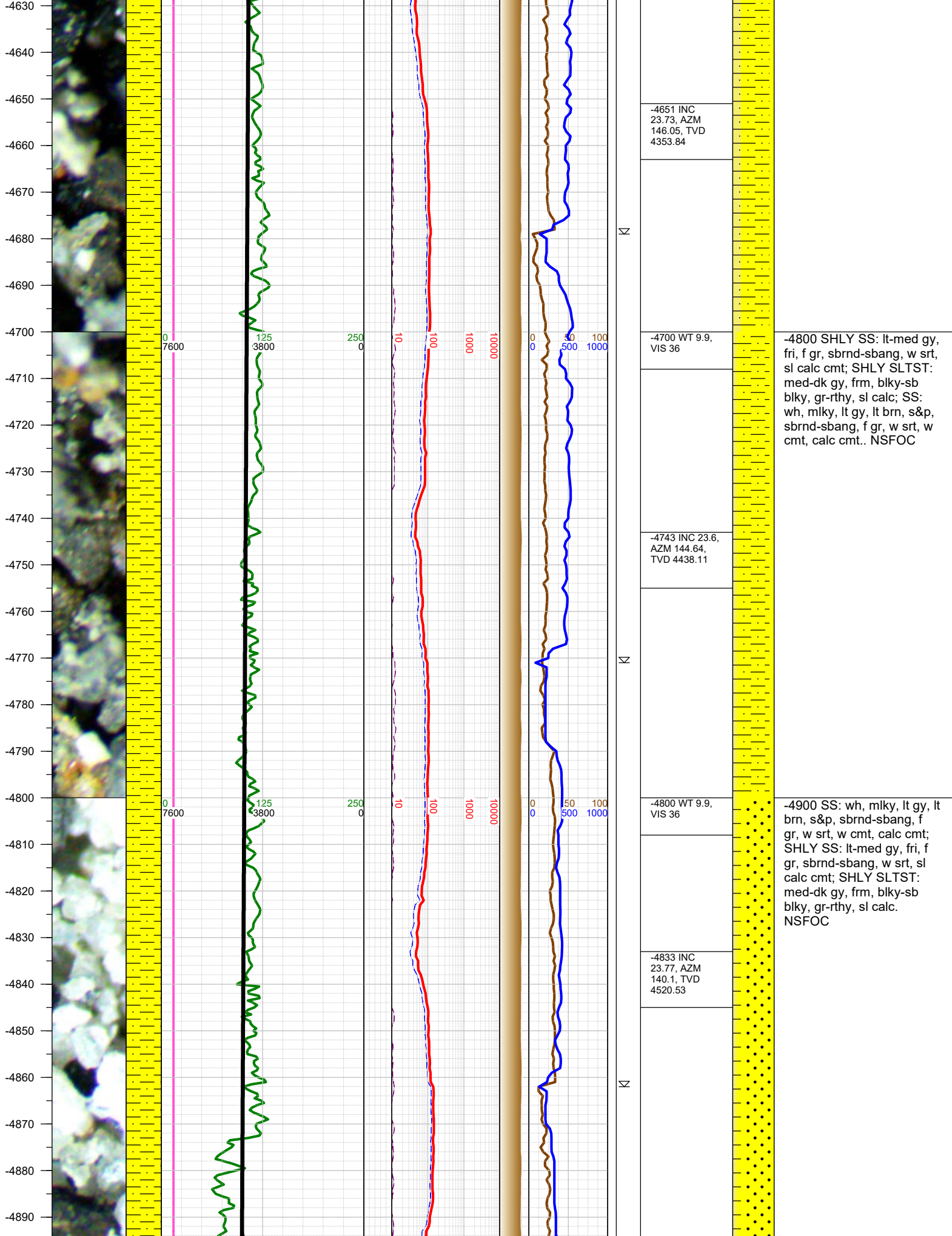
DEPTHS LOGGED: 4500' - 12202'
DATES LOGGED: October 16, 2016 - October 18, 2016
GEOLOGISTS: Blue Spikes, Tracy Lawson
SCALE: 5" = 100'

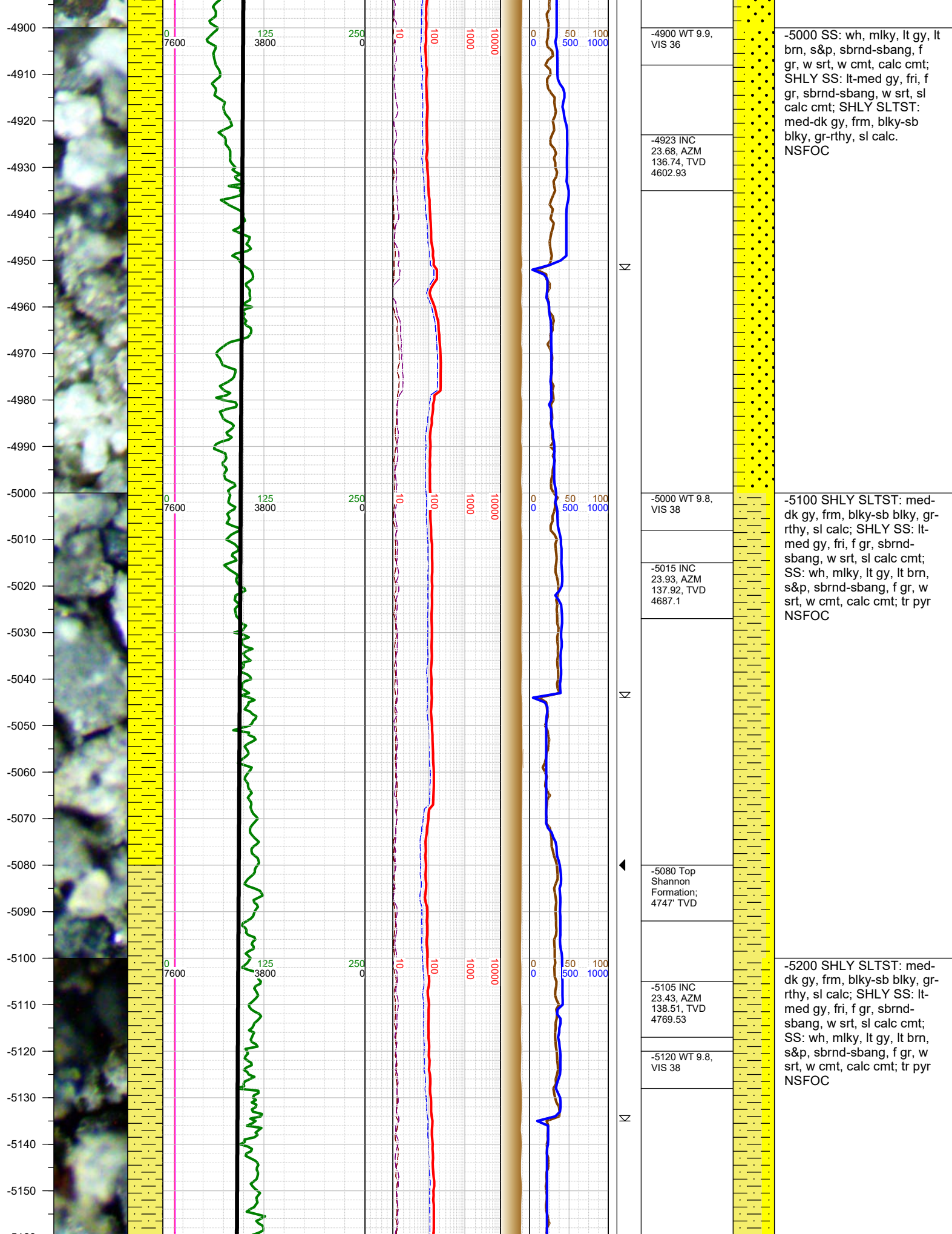
LEGEND

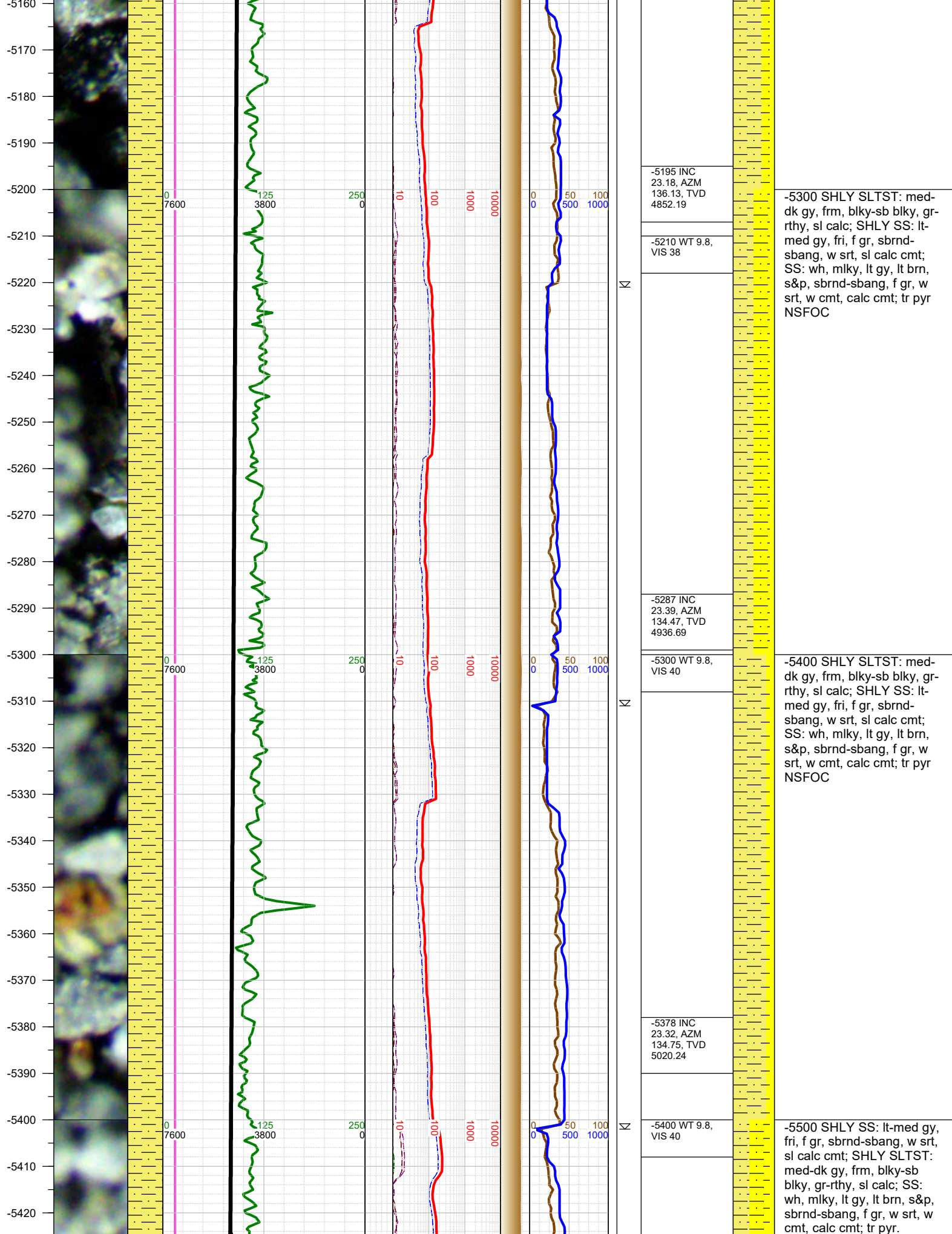


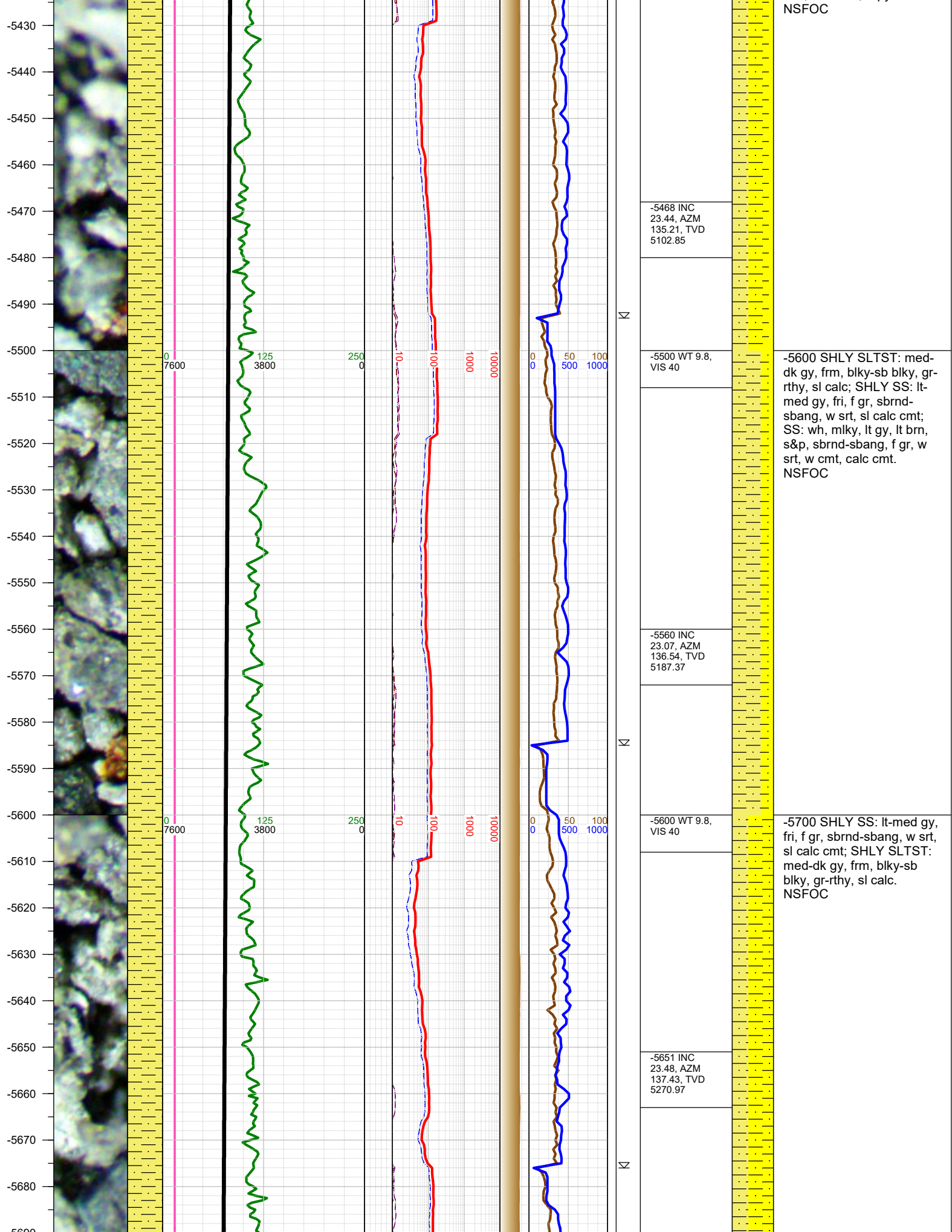
FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

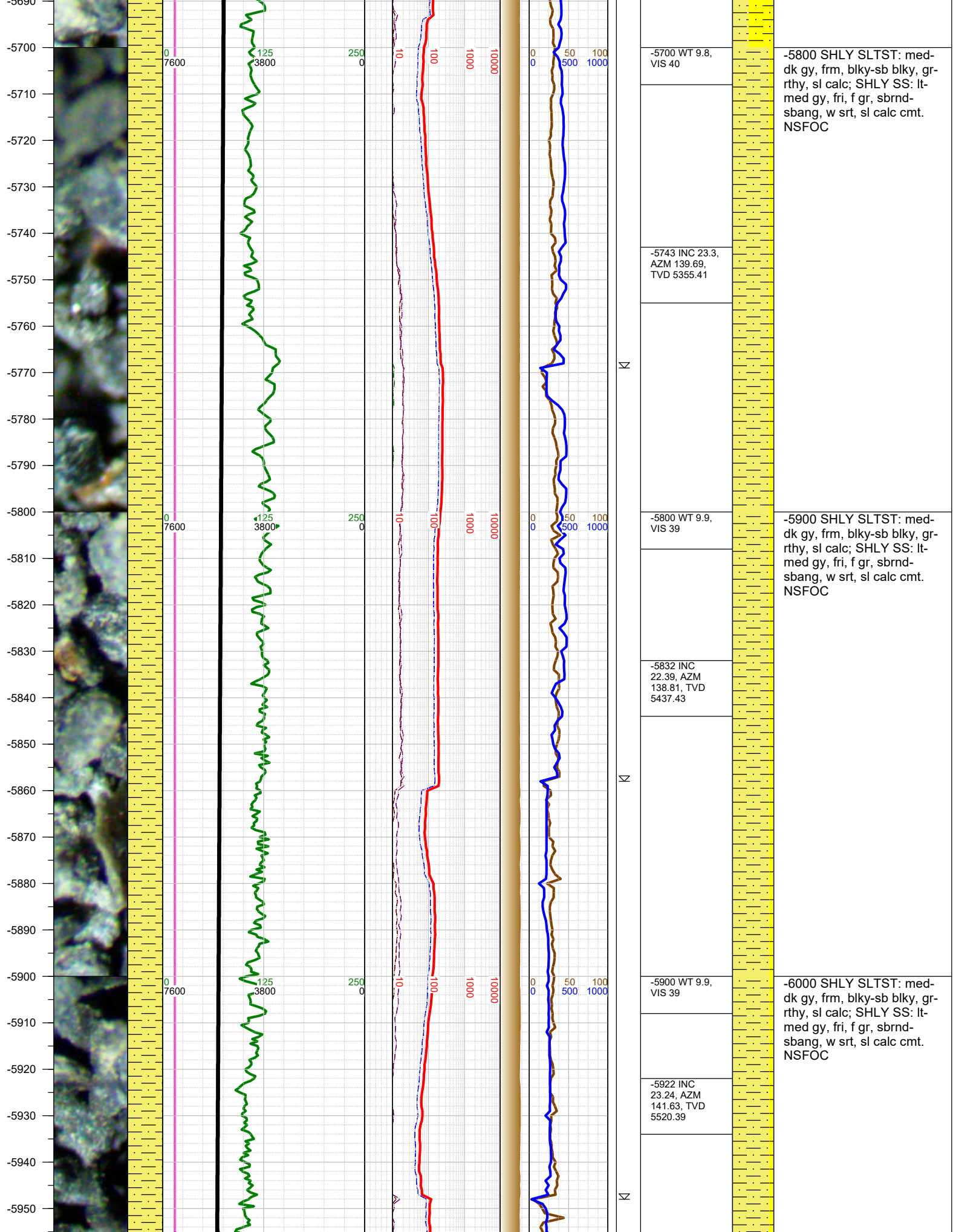


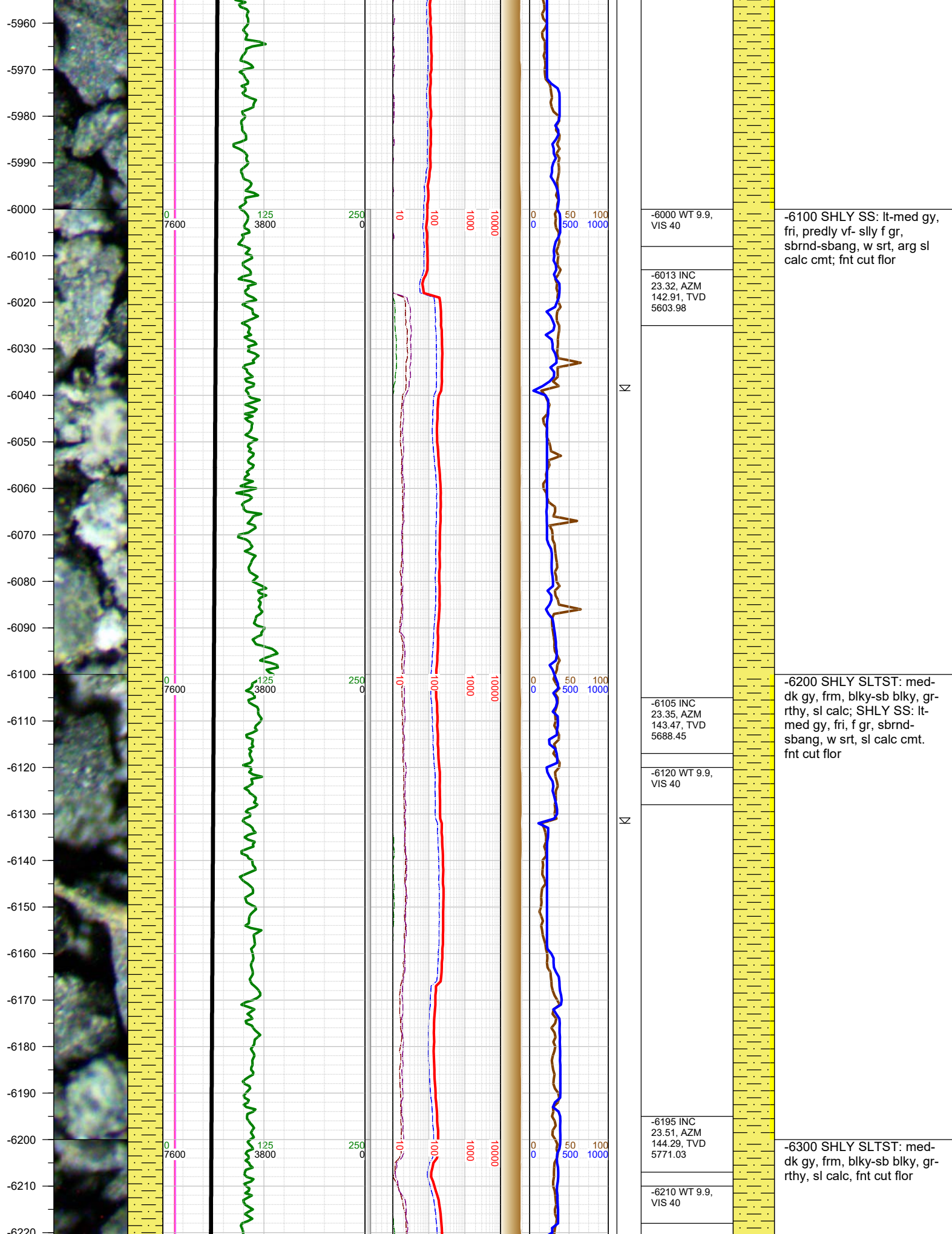


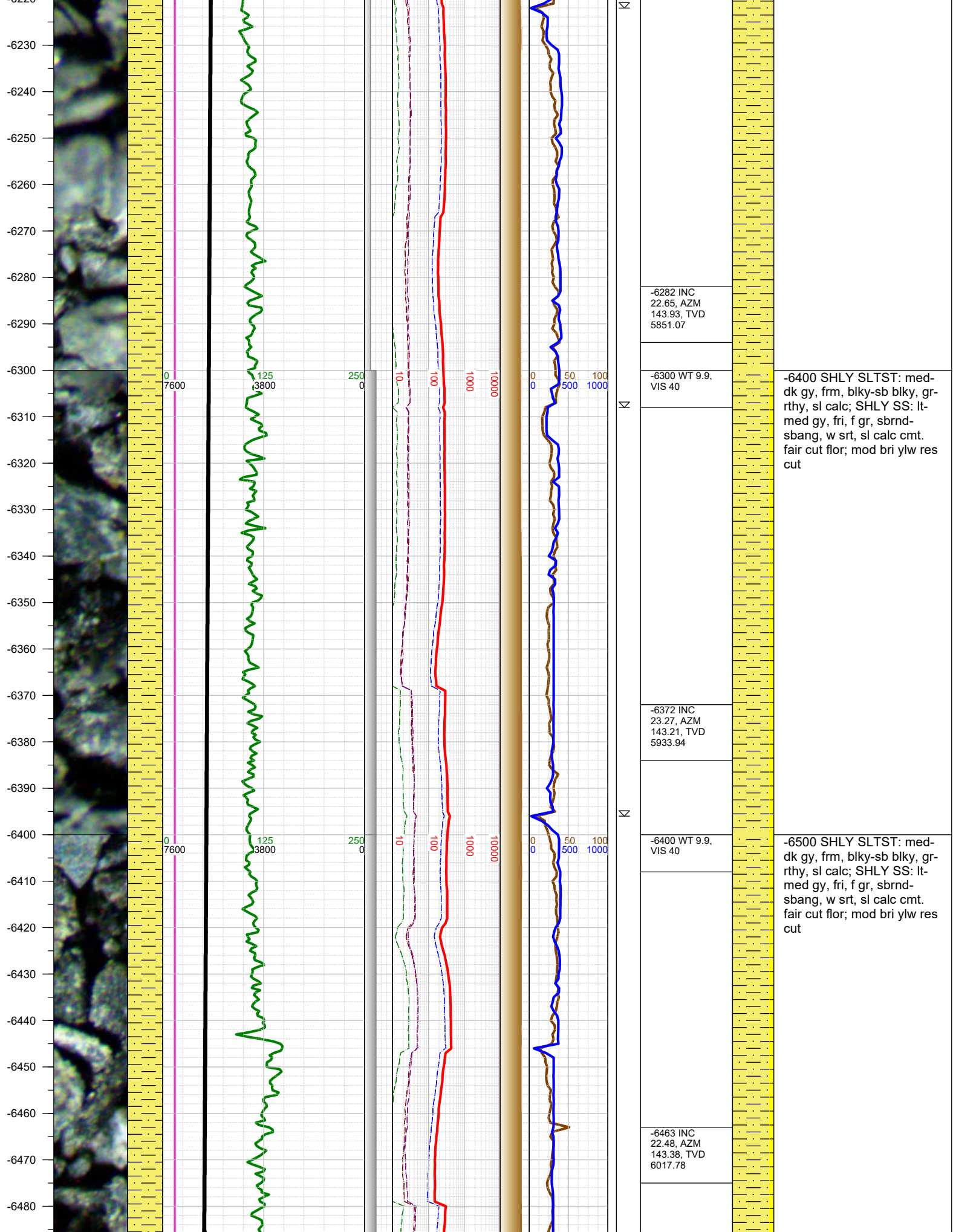


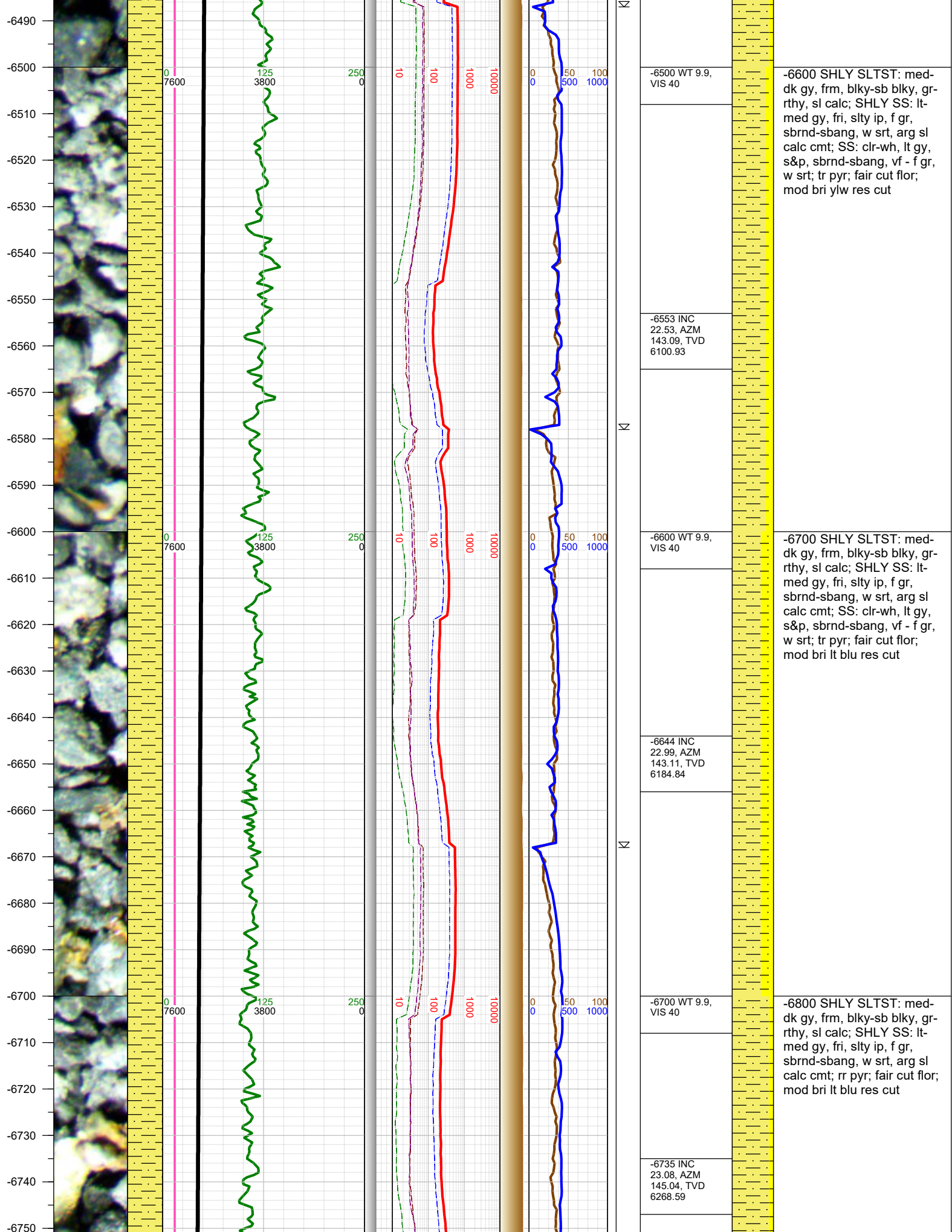


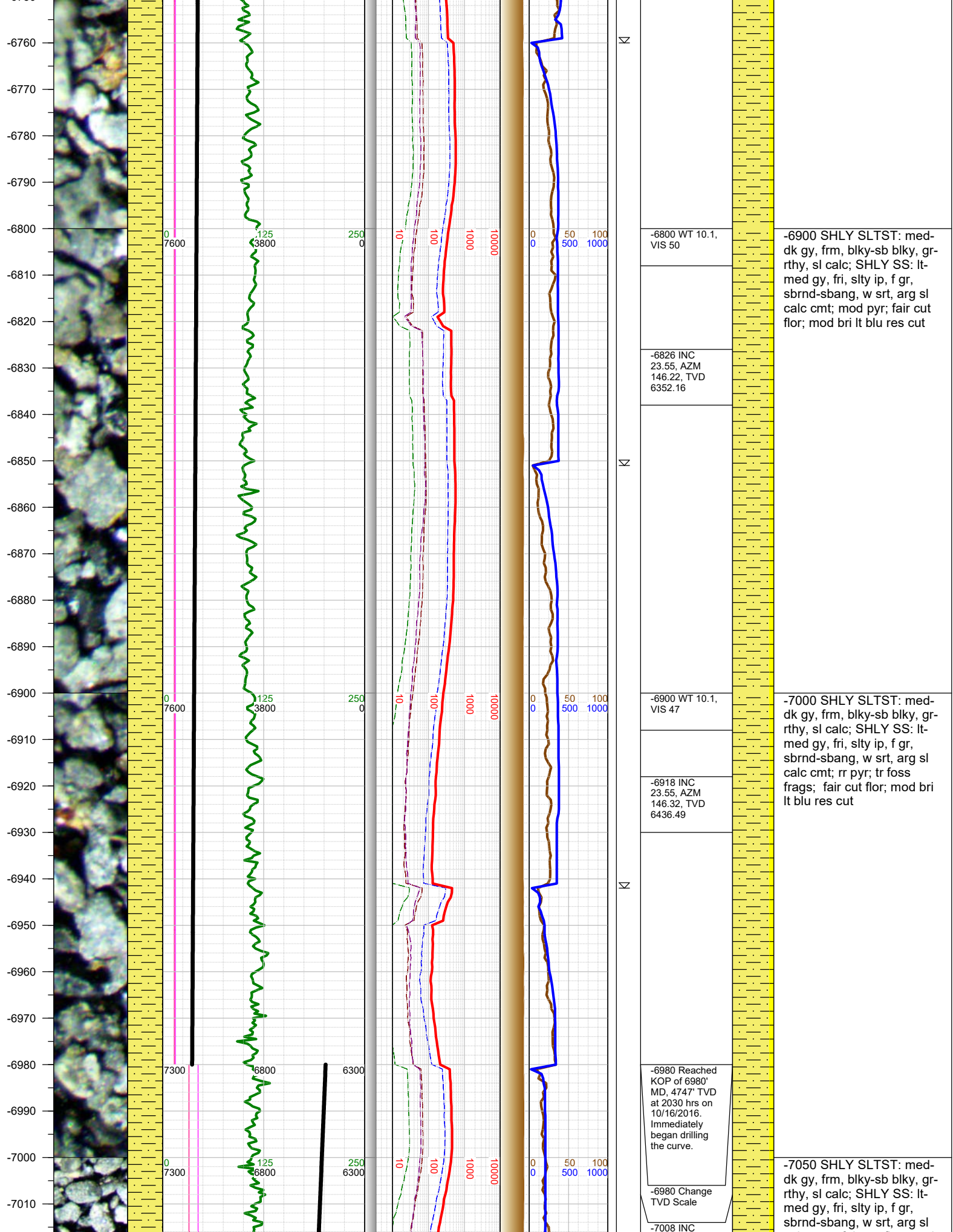


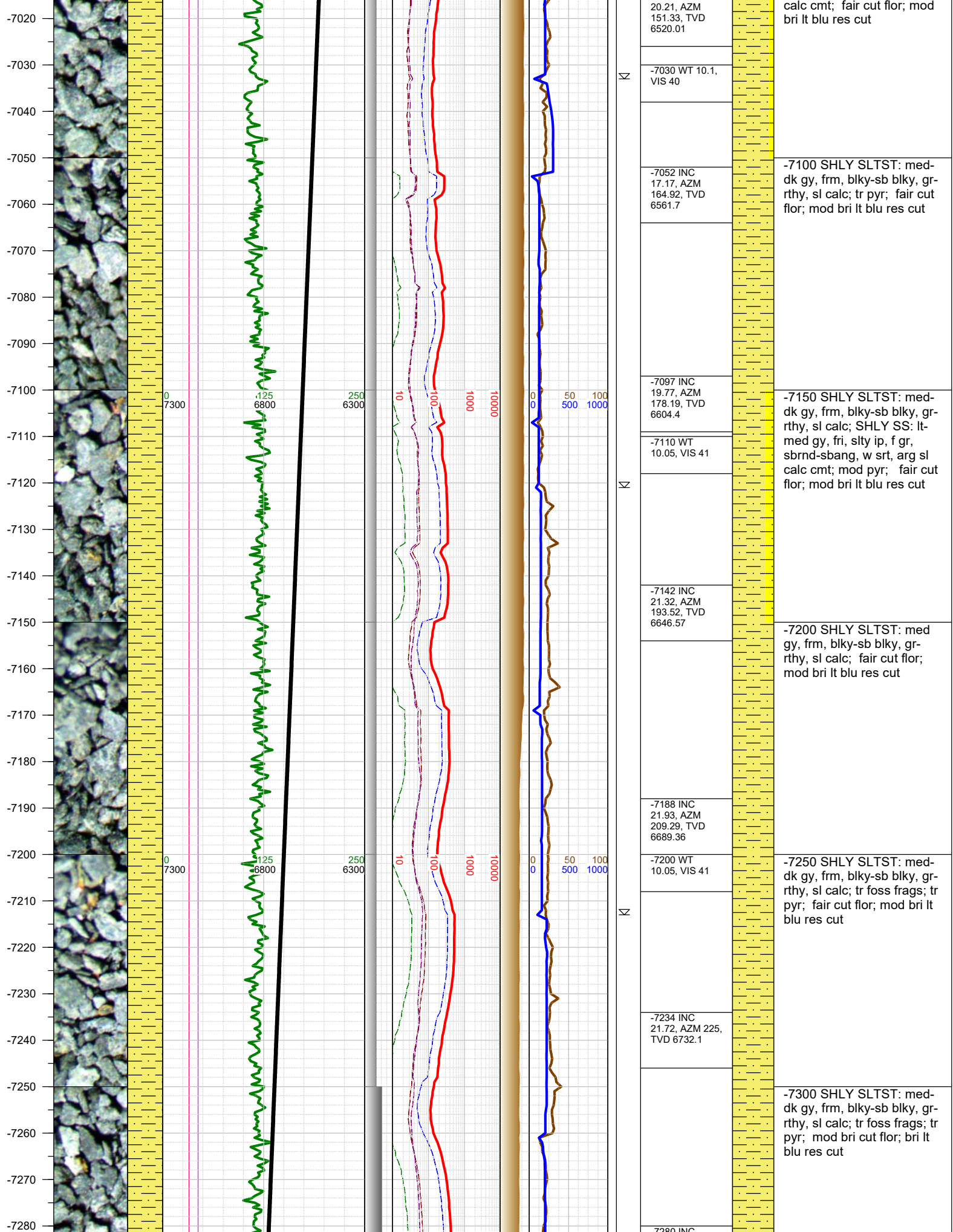


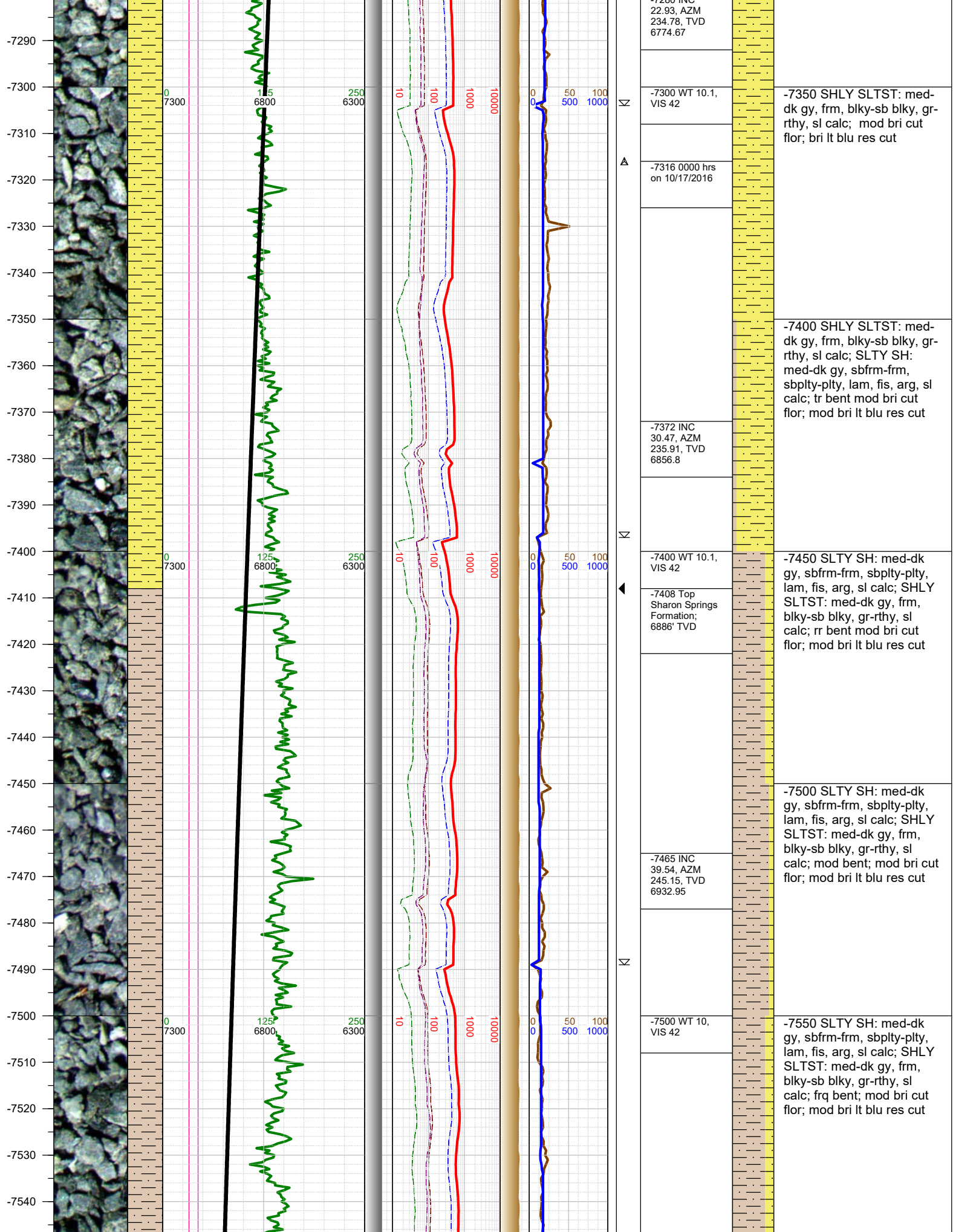


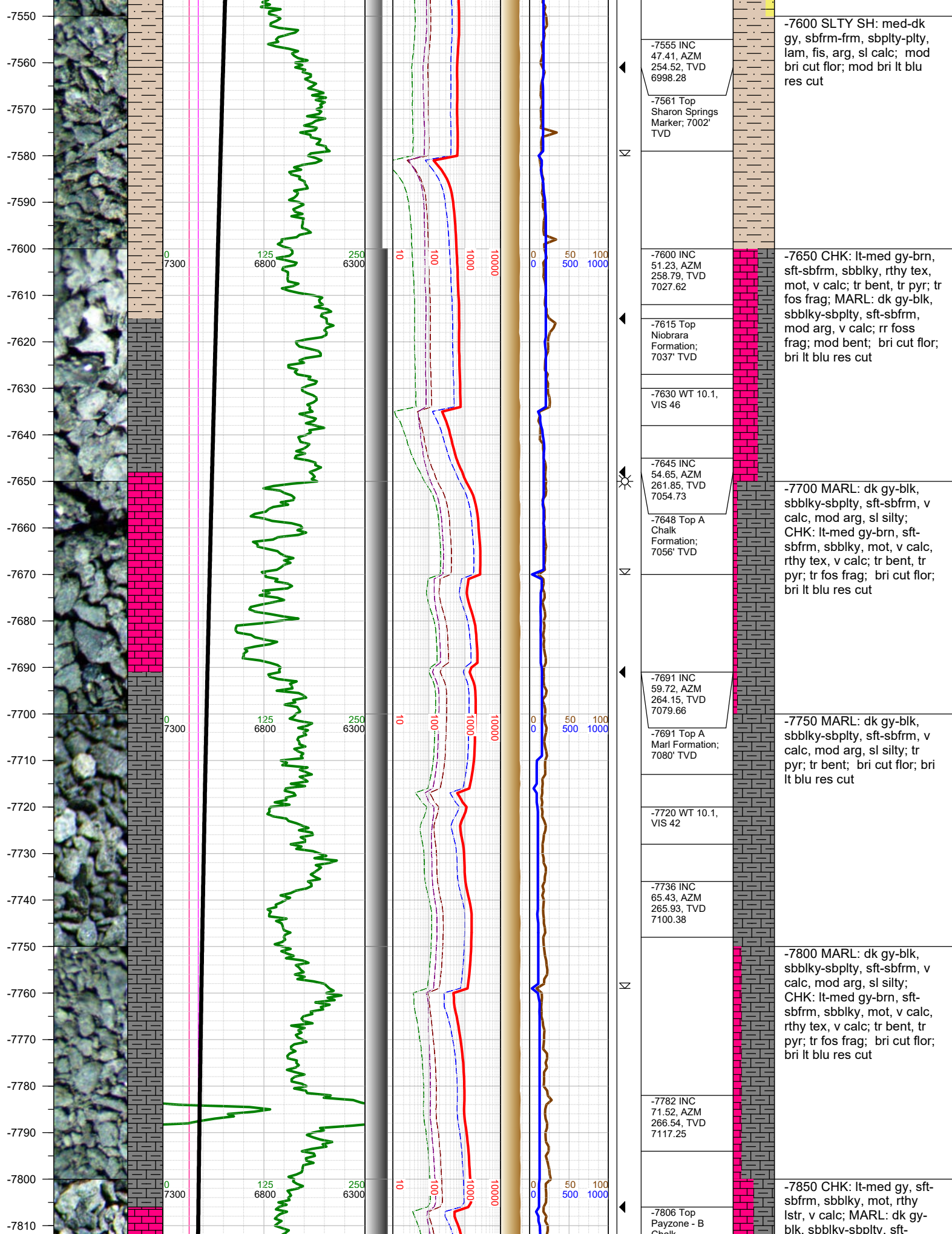


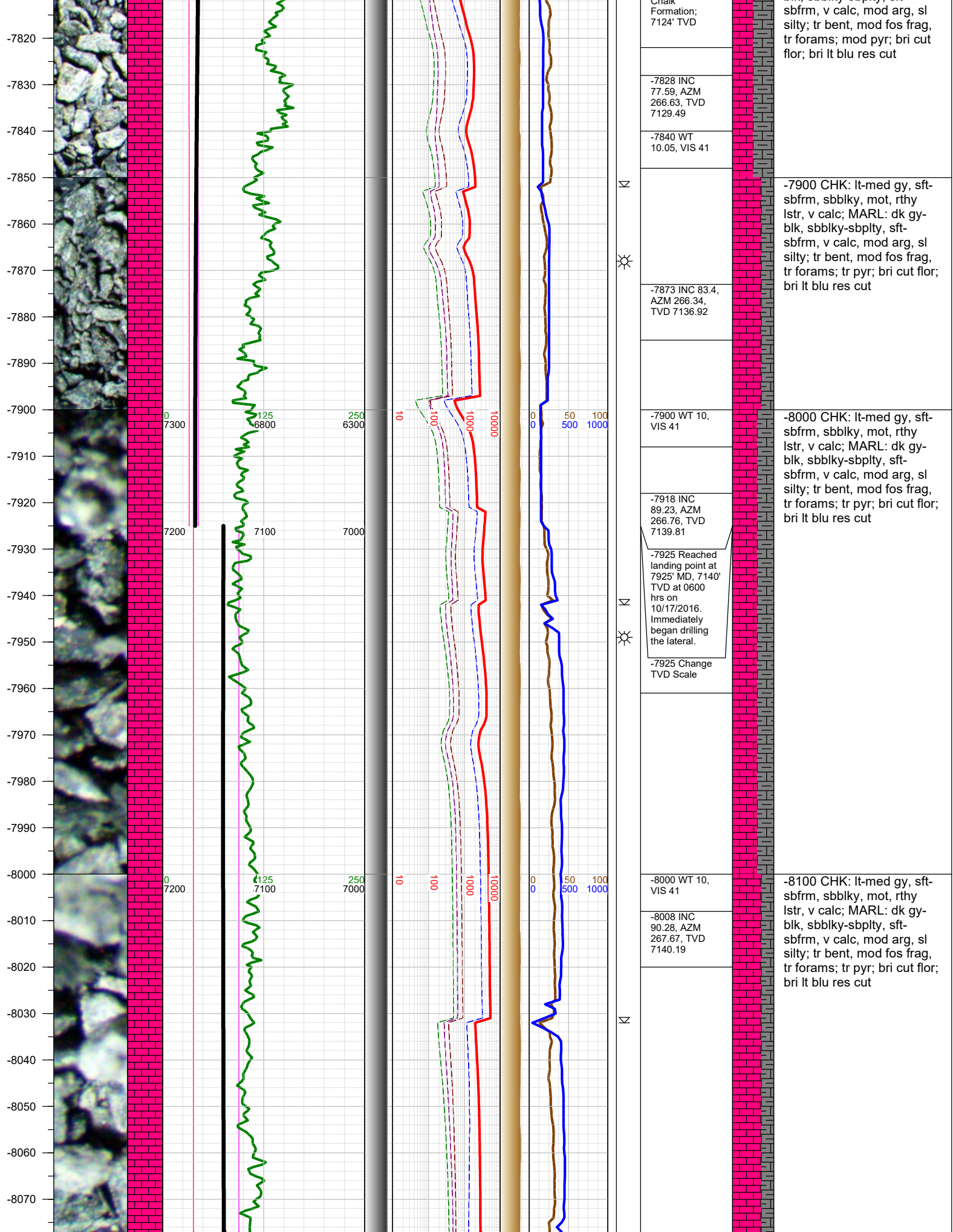


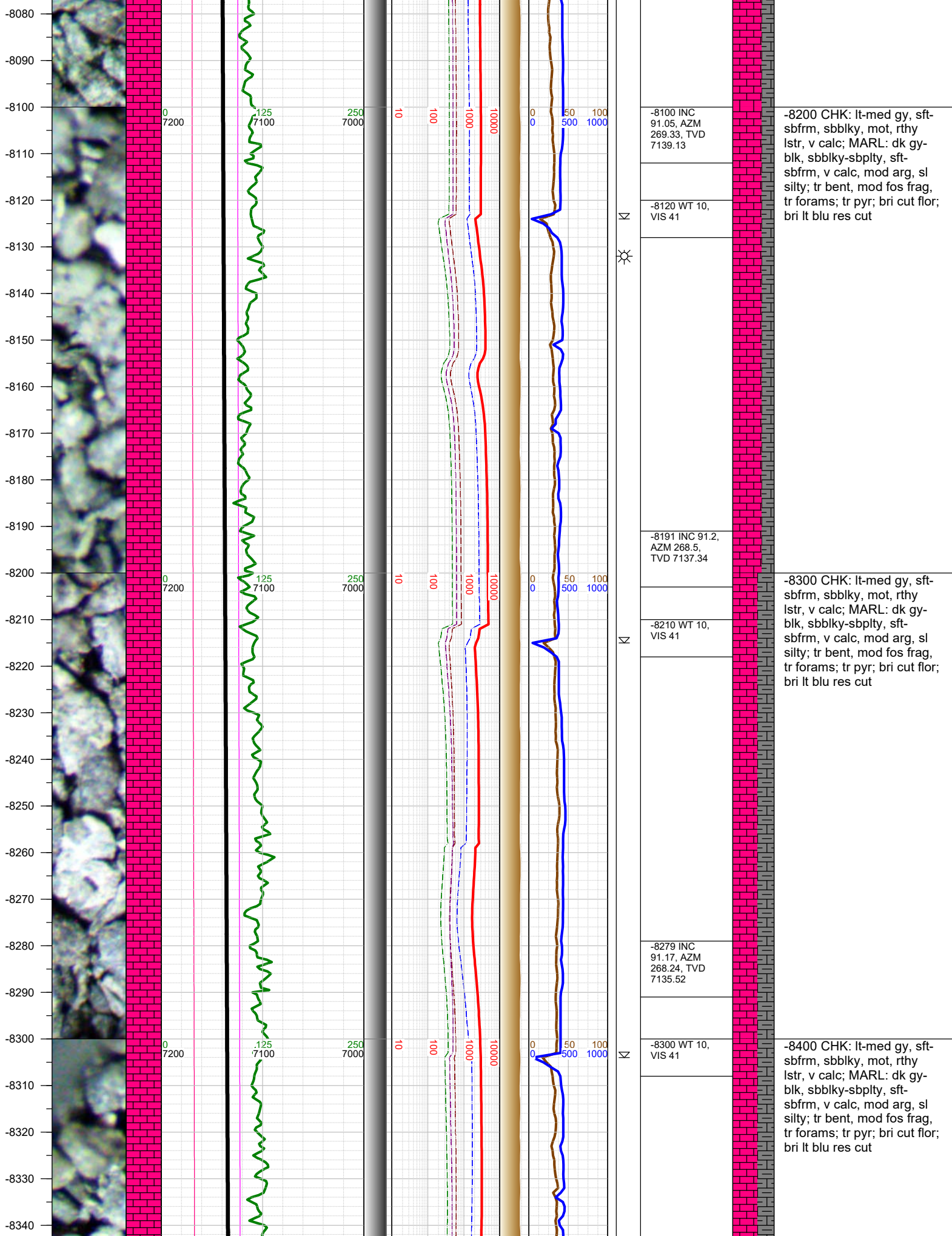


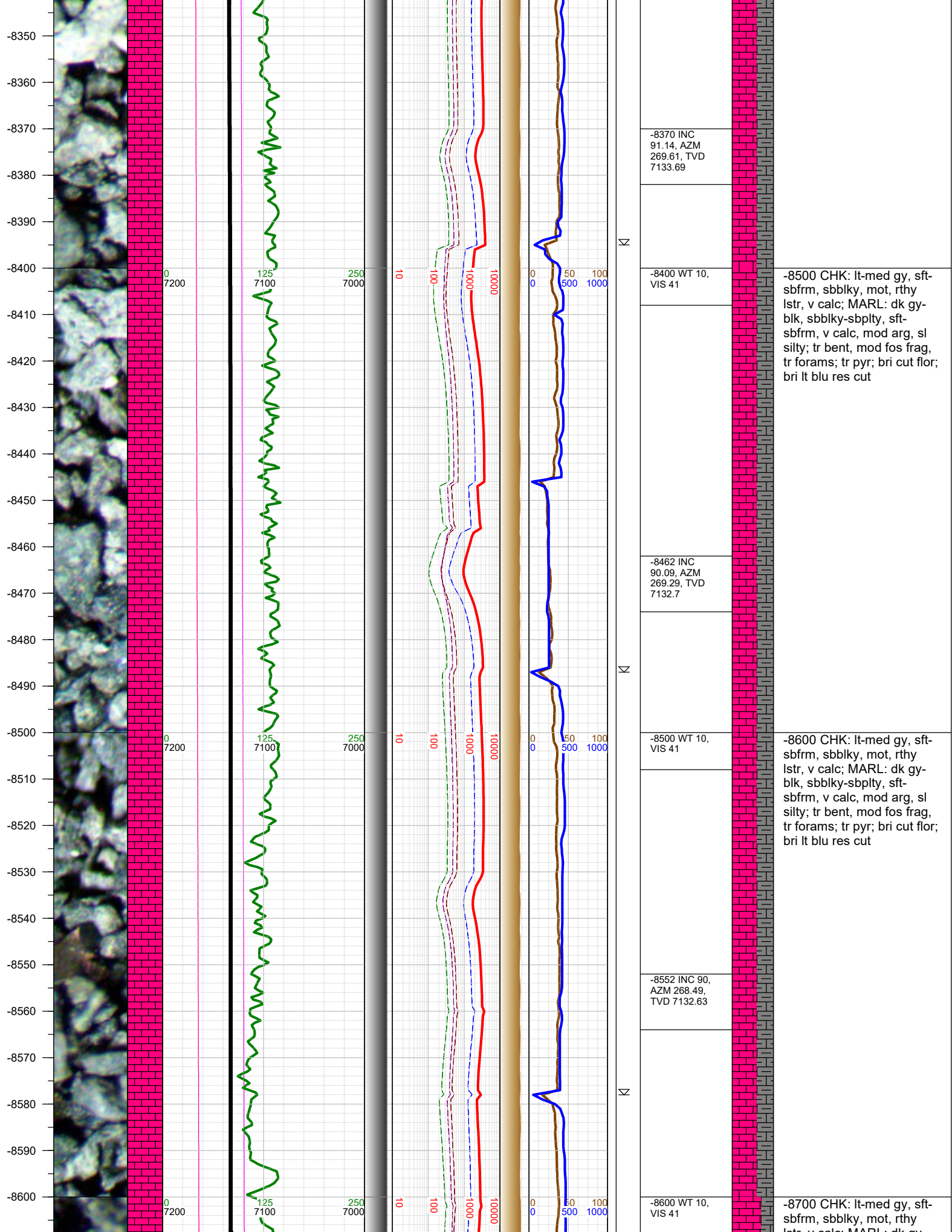


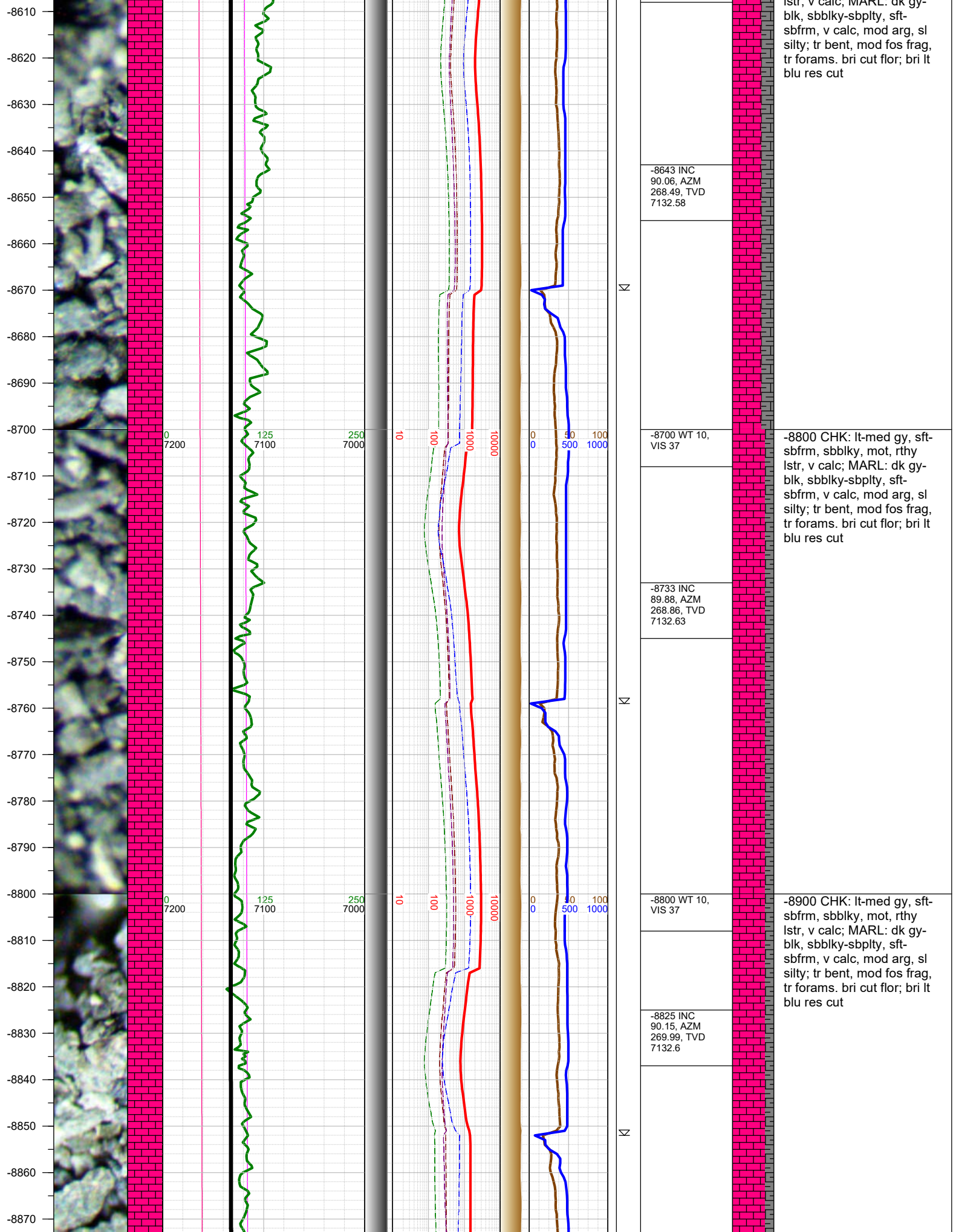


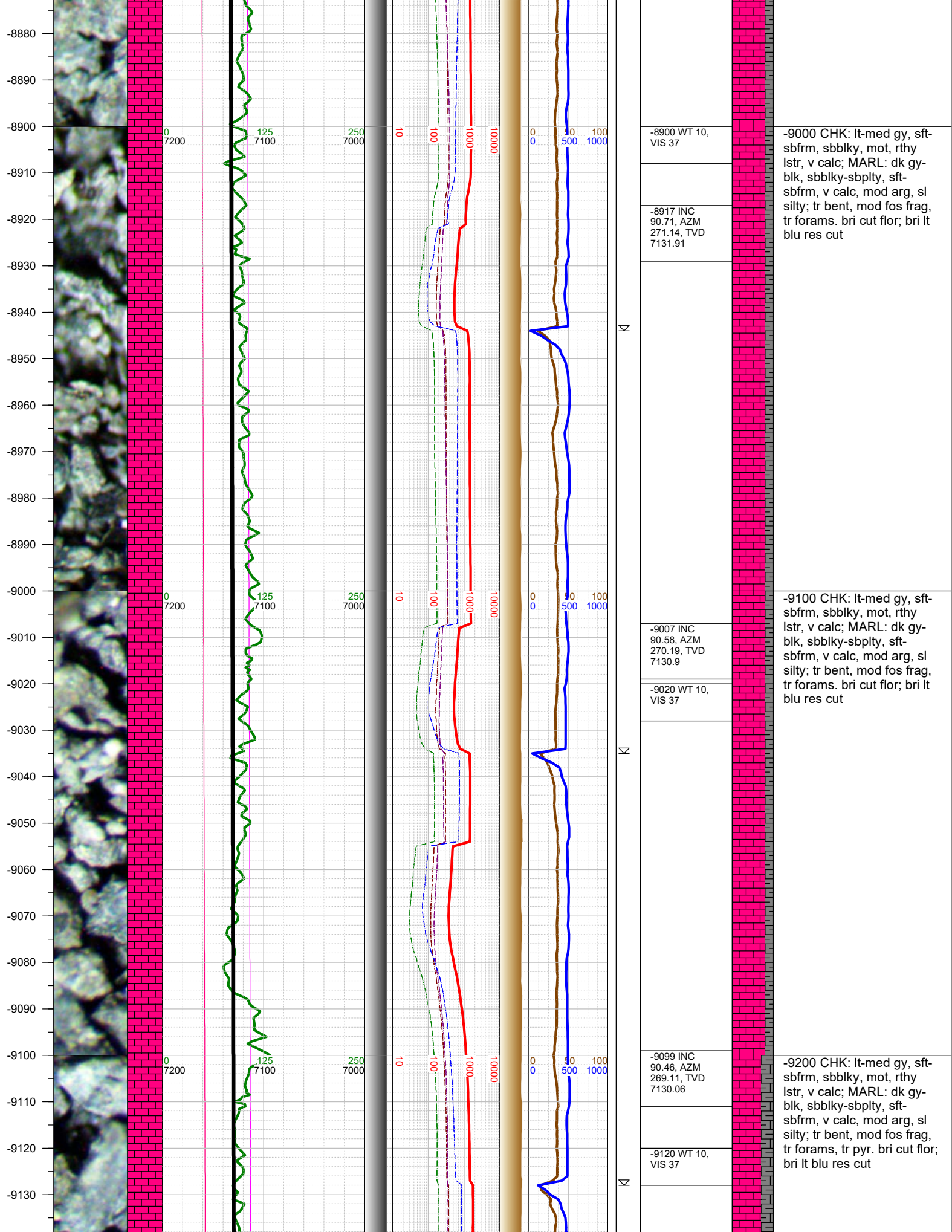


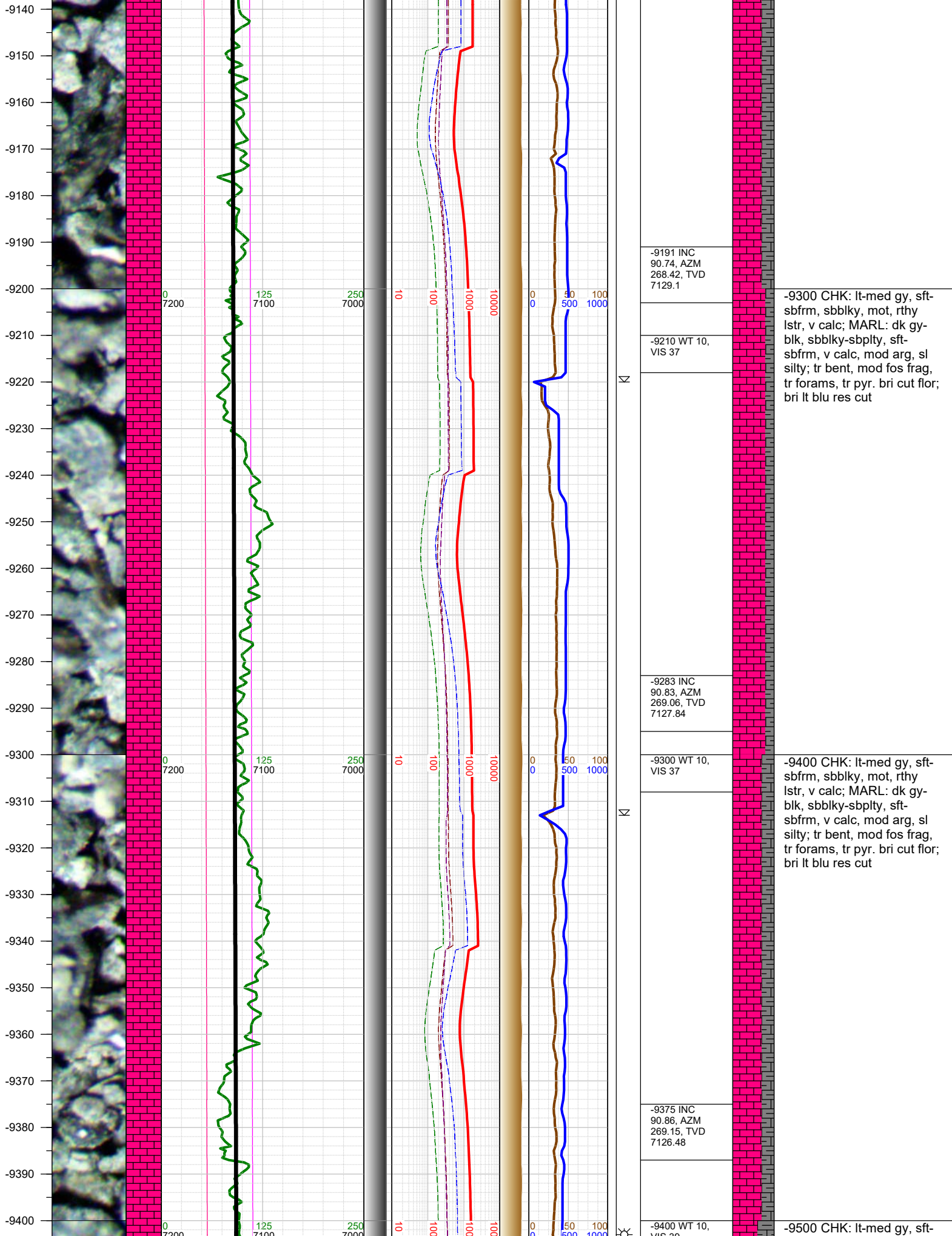


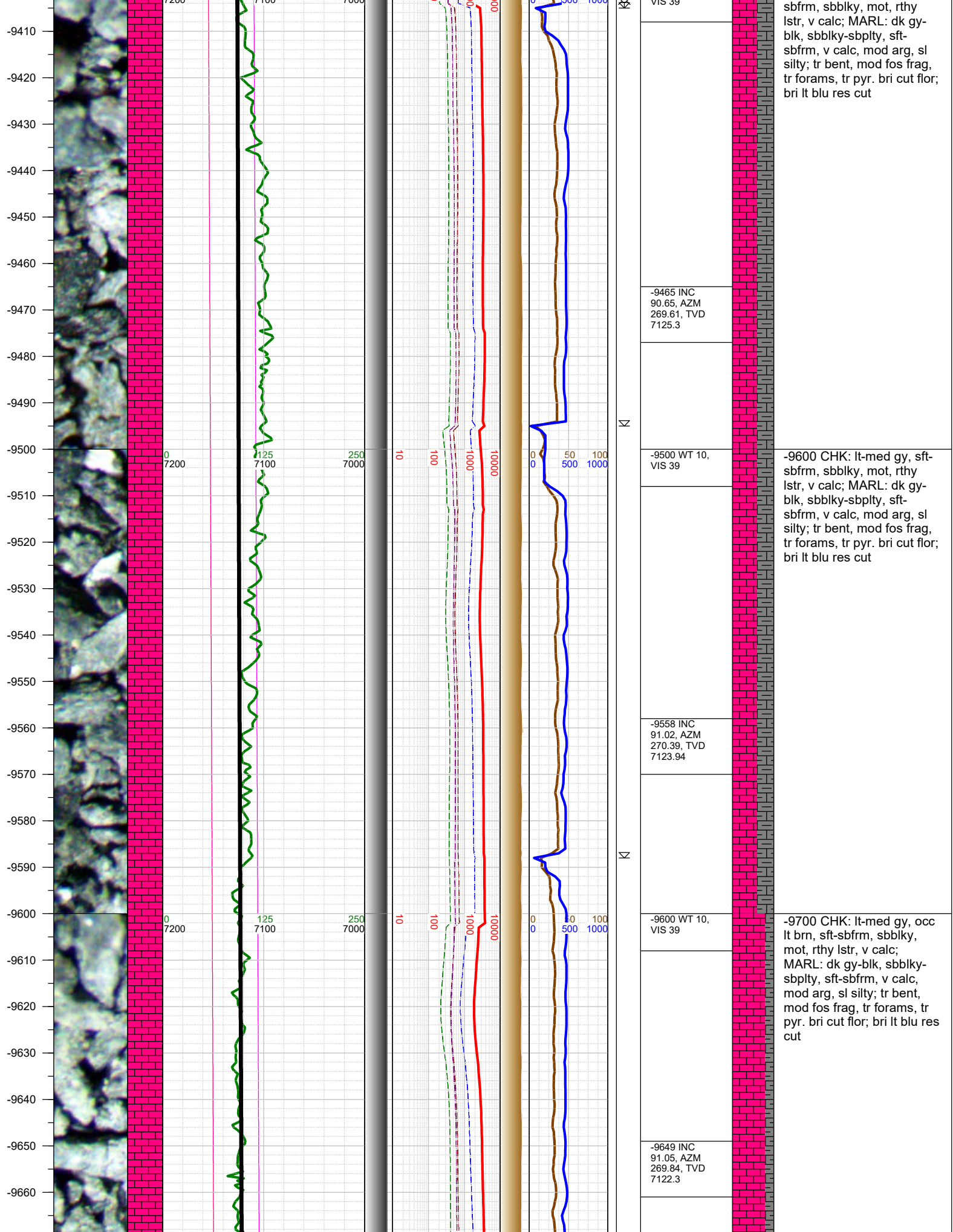


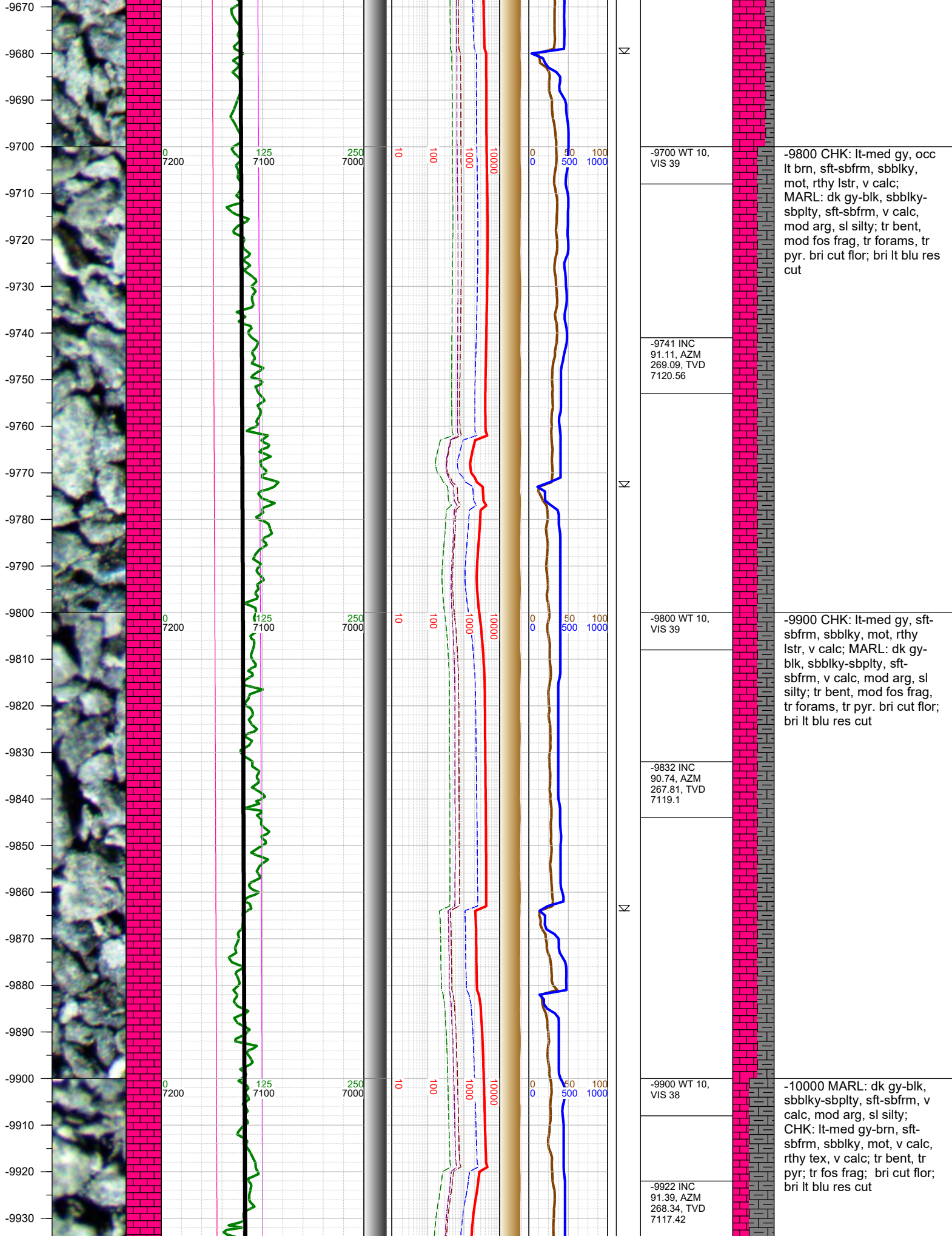




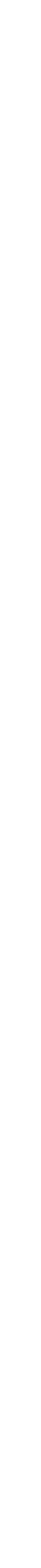
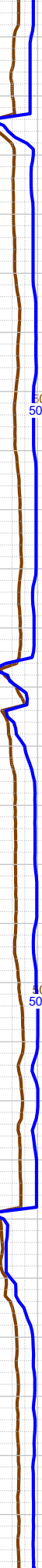
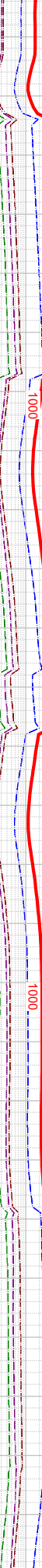
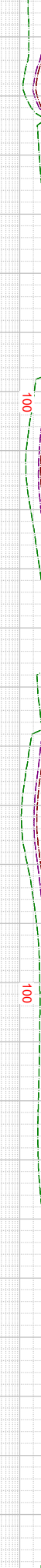
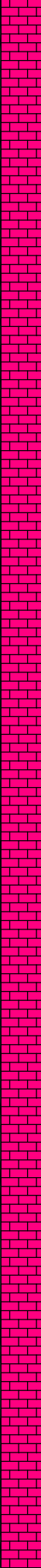








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-10000 WT 10,
VIS 38

-10015 INC
91.26, AZM
267.77, TVD
7115.27

-10107 INC
90.55, AZM
267.84, TVD
7113.82

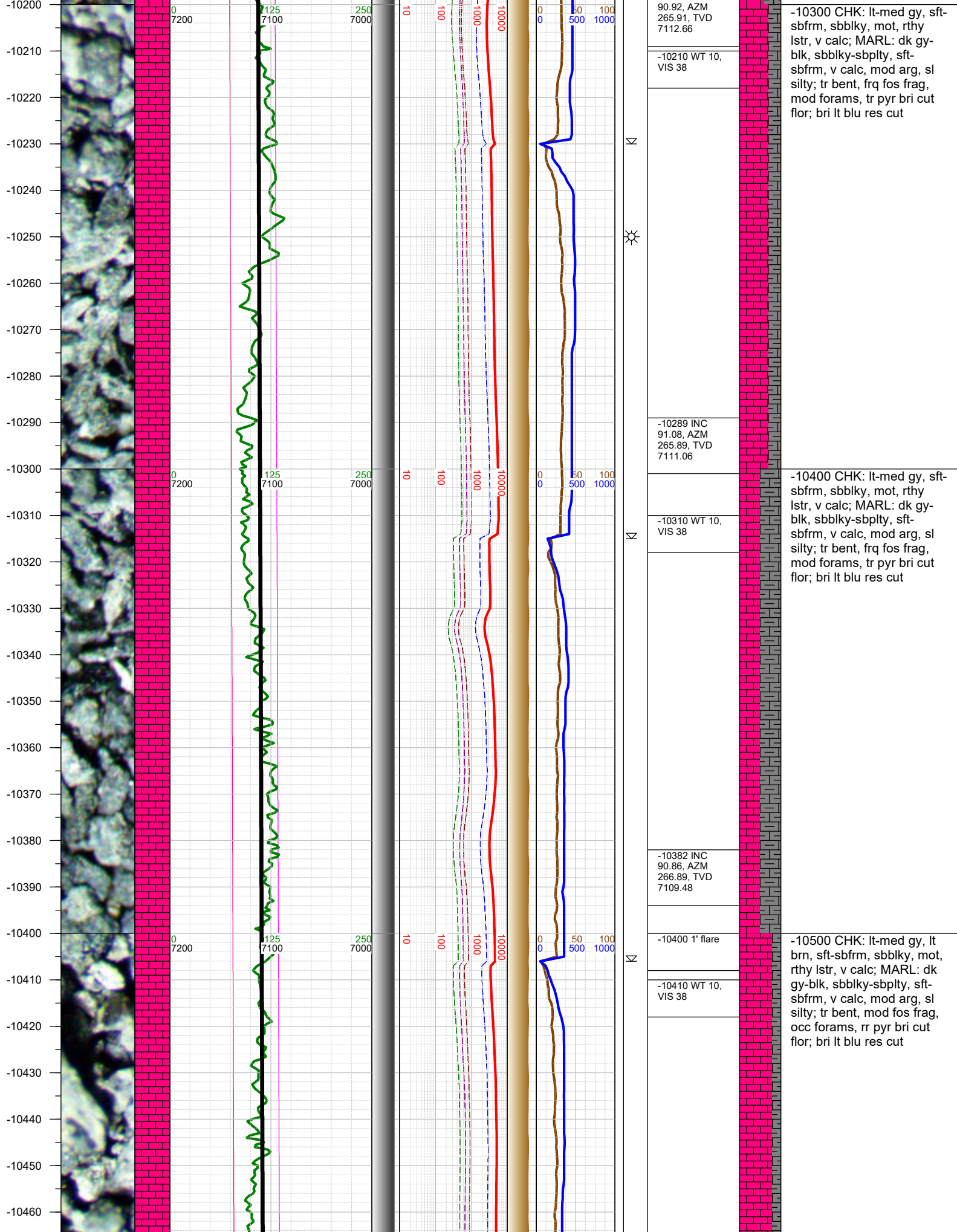
-10120 WT 10,
VIS 38

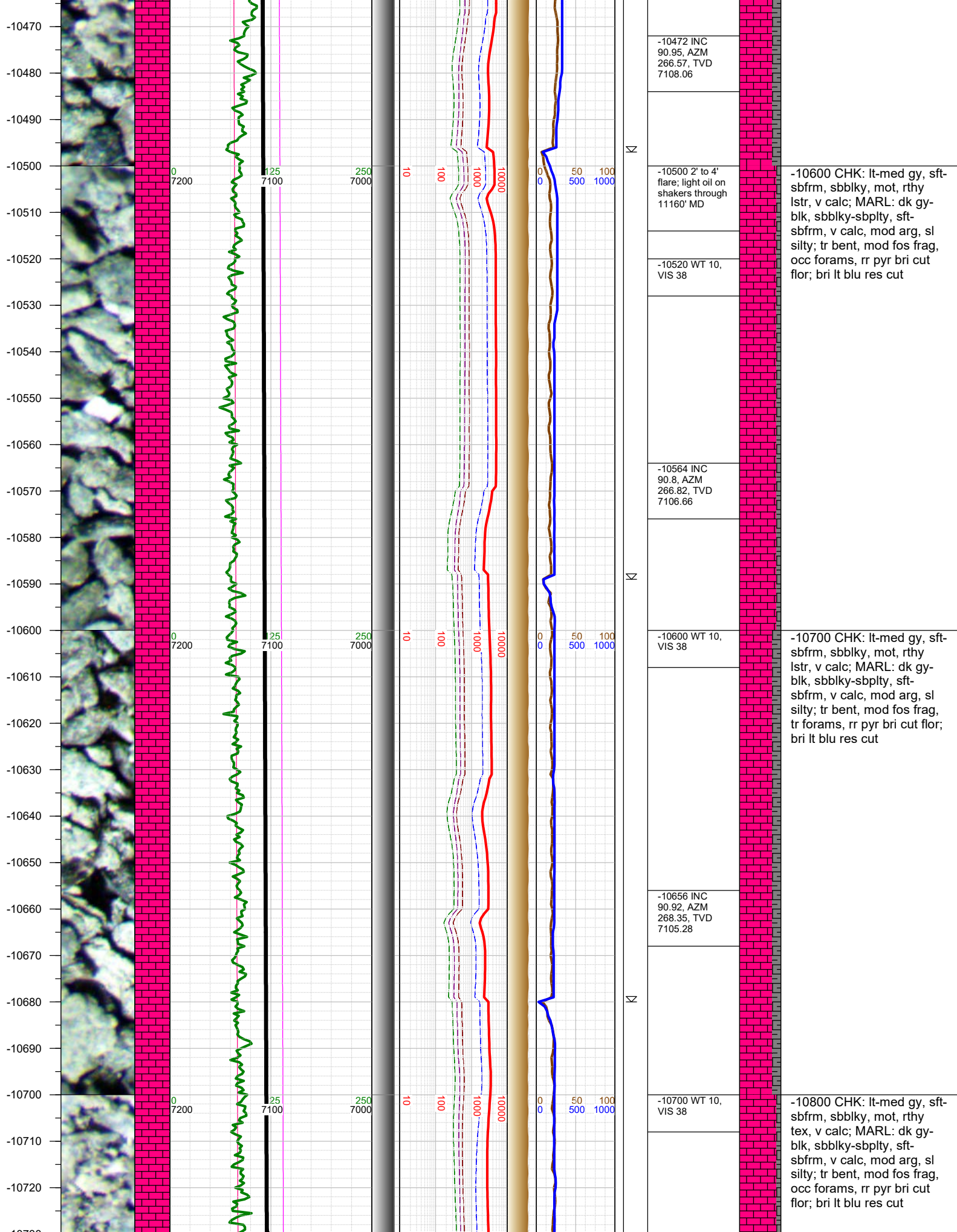
-10181 3' flare

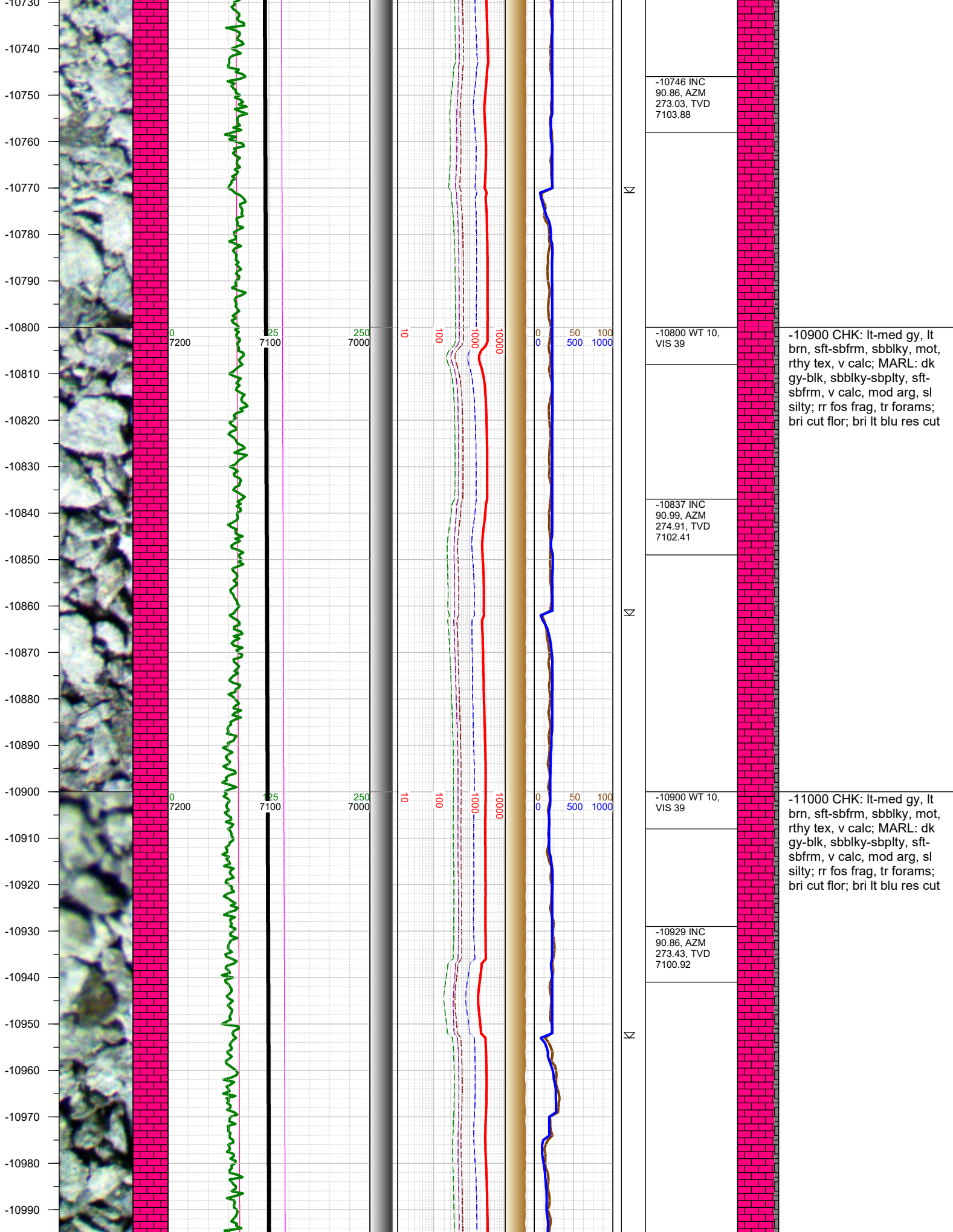
-10197 INC

-10100 CHK: lt-med gy, sft-
sbfrm, sbbkly, mot, rthy
lstr, v calc; MARL: dk gy-
blk, sbbkly-sbply, sft-
sbfrm, v calc, mod arg, sl
silty; tr bent, mod fos frag,
tr forams, tr pyr. bri cut flor;
bri lt blu res cut

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

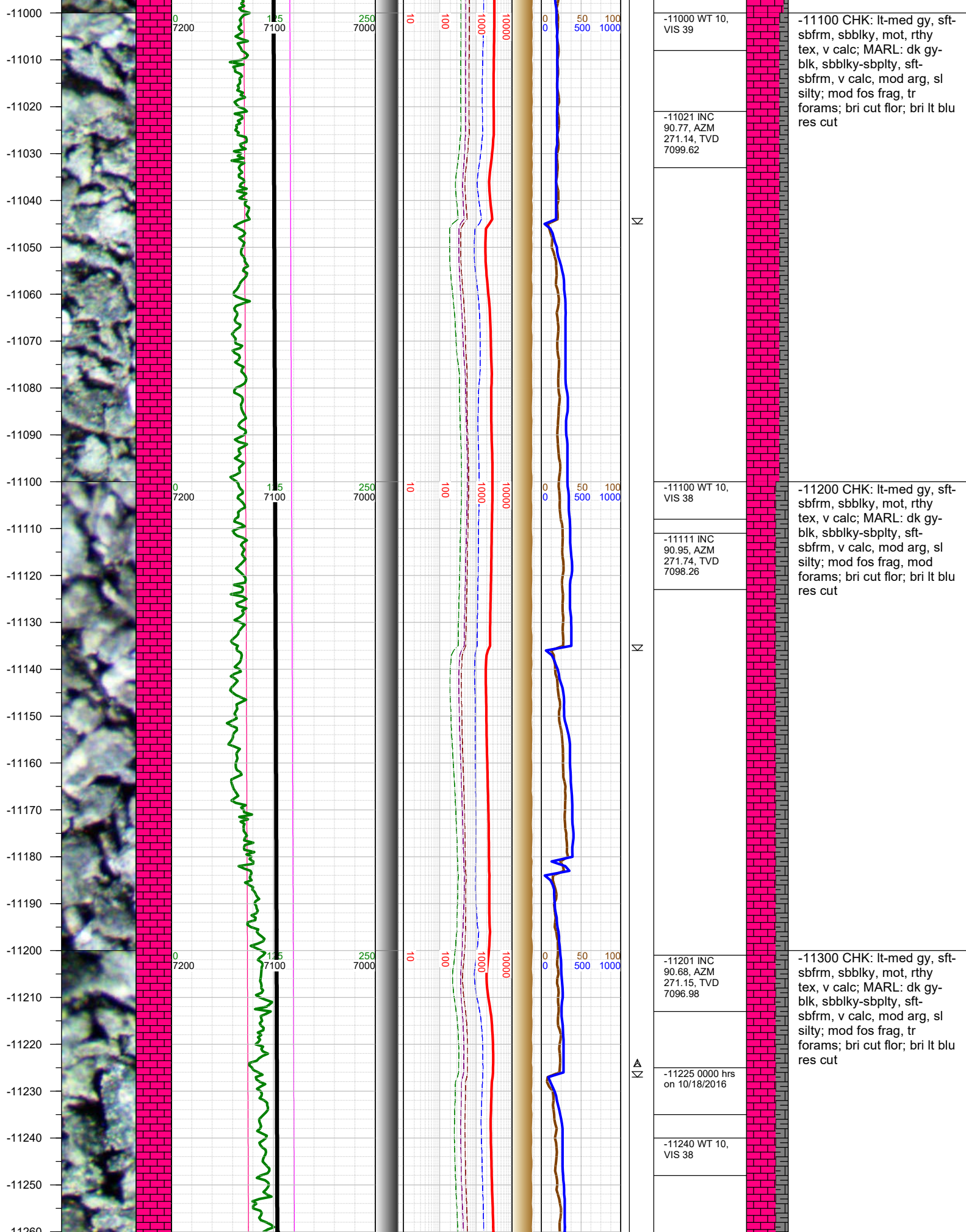


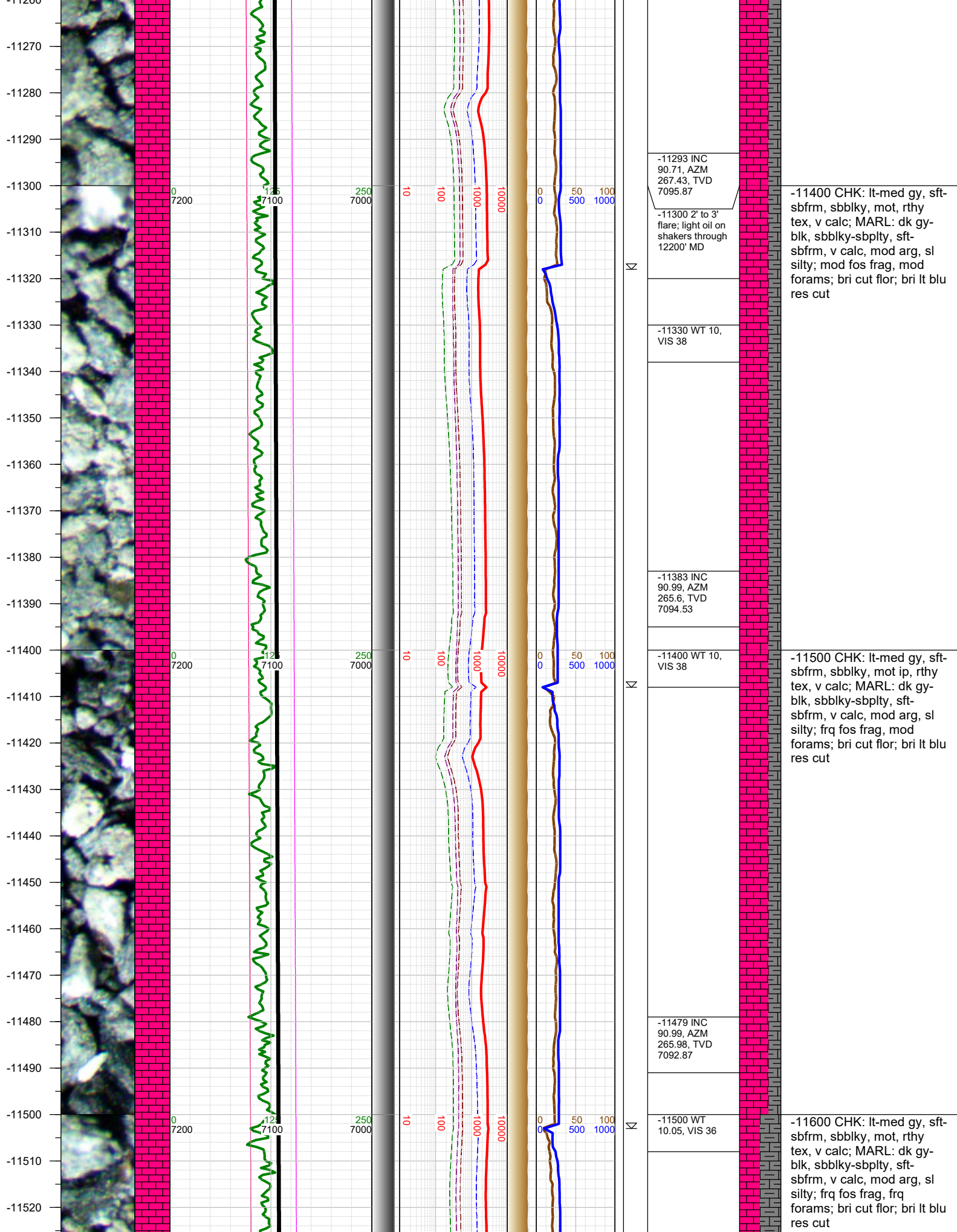


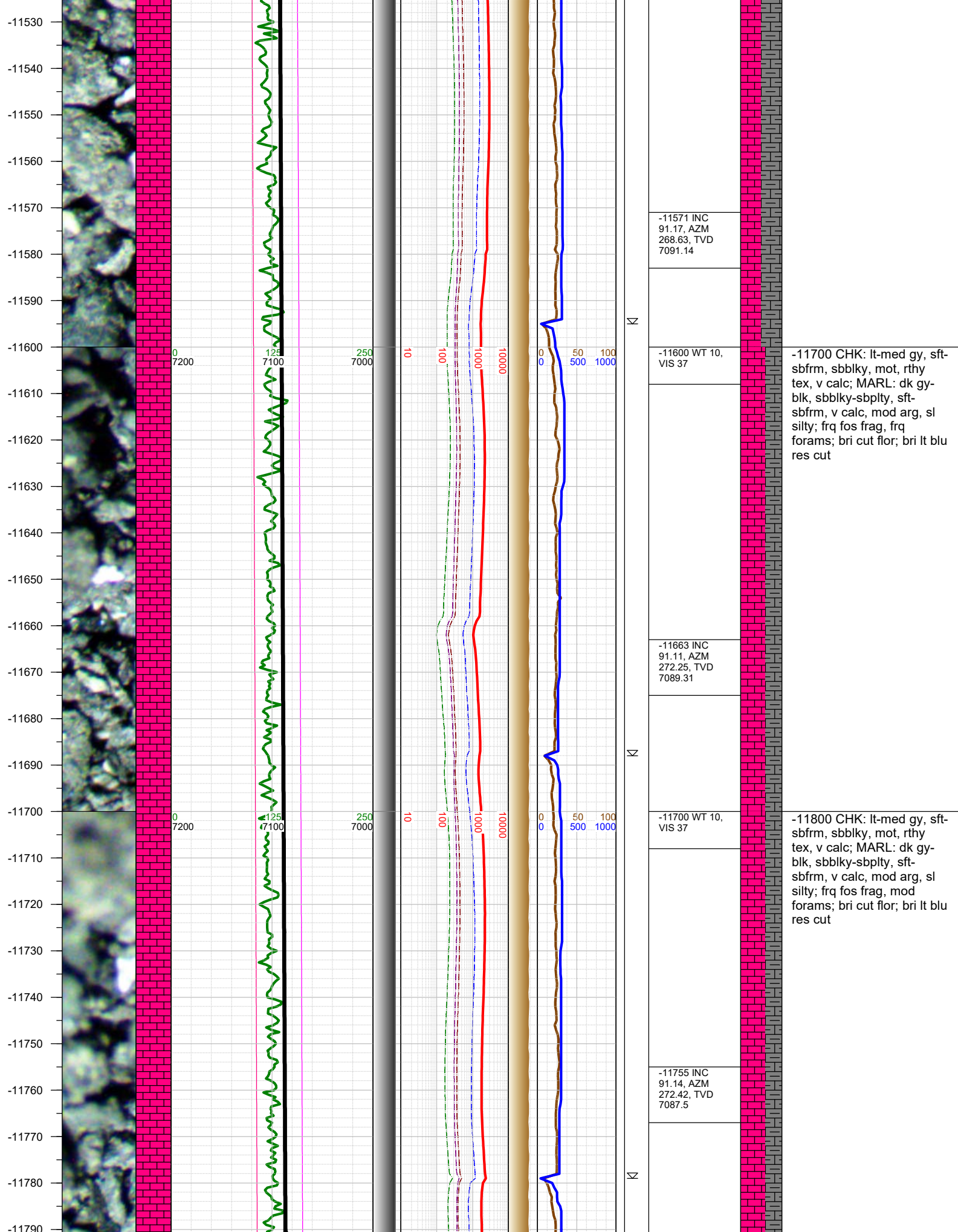


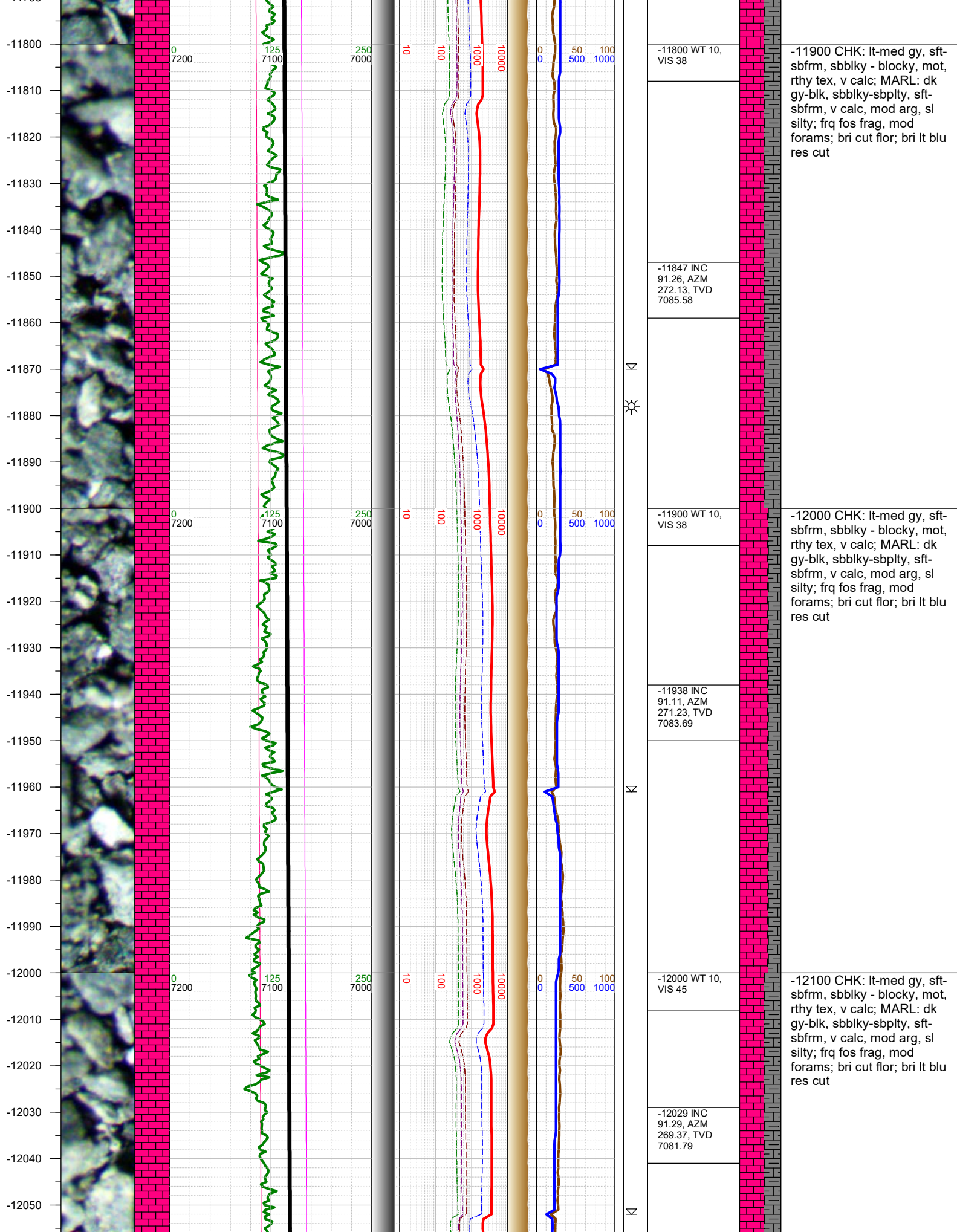
-10900 CHK: lt-med gy, lt brn, sft-sbfrm, sbblky, mot, rthy tex, v calc; MARL: dk gy-blk, sbblky-sbply, sft-sbfrm, v calc, mod arg, sl silty; rr fos frag, tr forams; bri cut flr; bri lt blu res cut

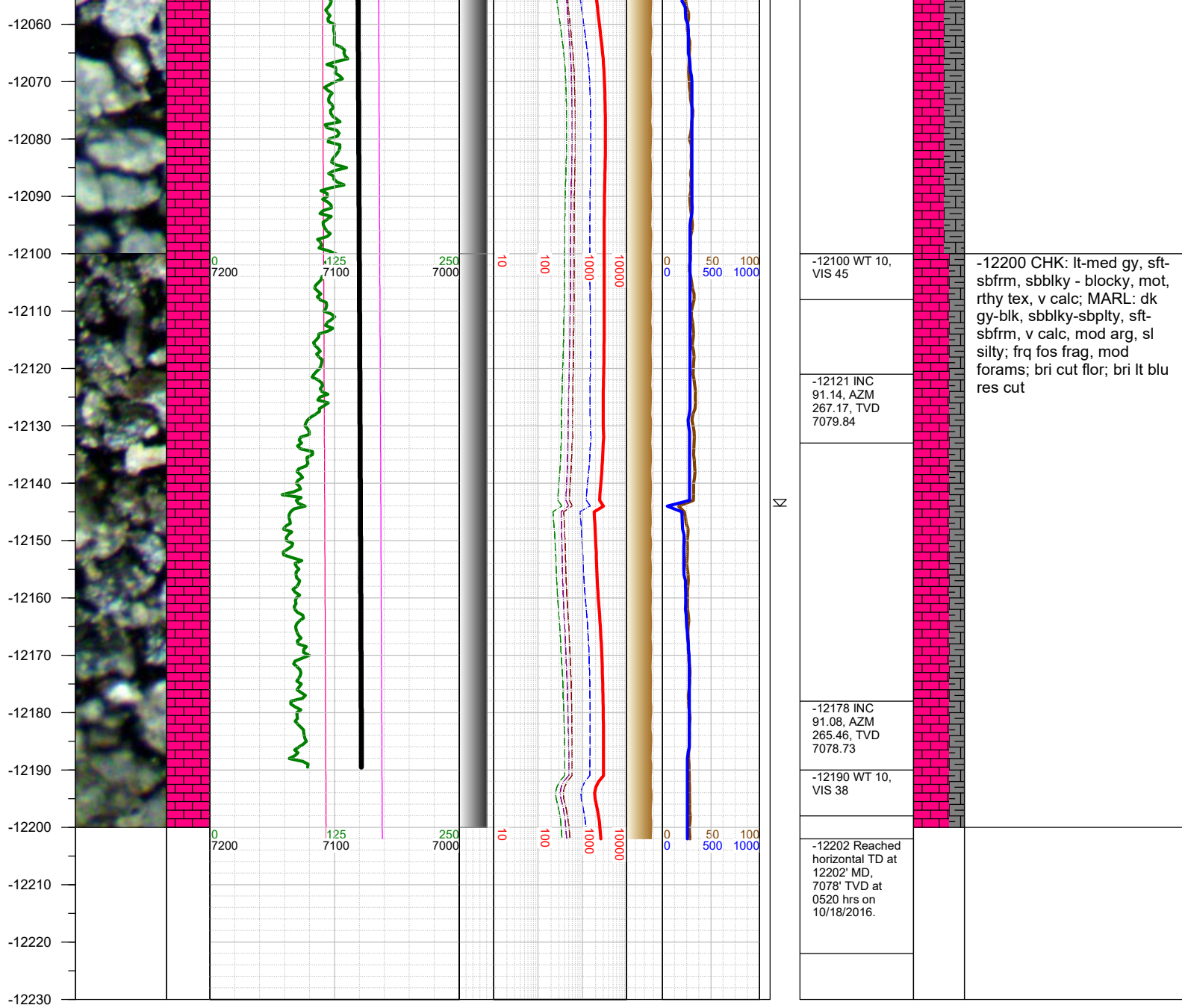
-11000 CHK: lt-med gy, lt brn, sft-sbfrm, sbblky, mot, rthy tex, v calc; MARL: dk gy-blk, sbblky-sbply, sft-sbfrm, v calc, mod arg, sl silty; rr fos frag, tr forams; bri cut flr; bri lt blu res cut











TOTAL DEPTH = 12202'

Thank you for using Earth Science Agency