

OPERATOR: **Extraction Oil & Gas**

WELL NAME: **GP Cody 20E-15-1N**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Patterson 901

API #: 05-123-50286

LAT/LONG: 40.39002, -104.68251
SURFACE HOLE: NENE S20-T5N-R65W, 670' FNL, 1305' FEL
BOTTOM HOLE: S22-T5N-R65W, 44' FNL, 200' FWL

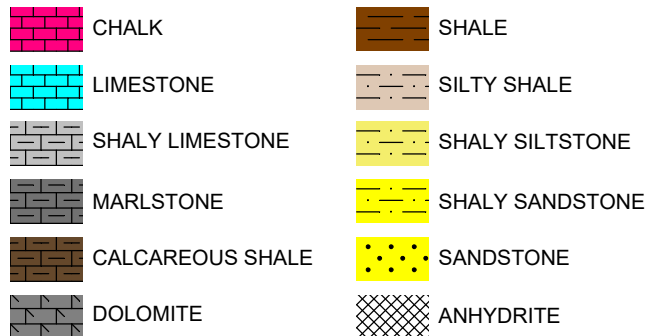


Earth Science Agency, LLC

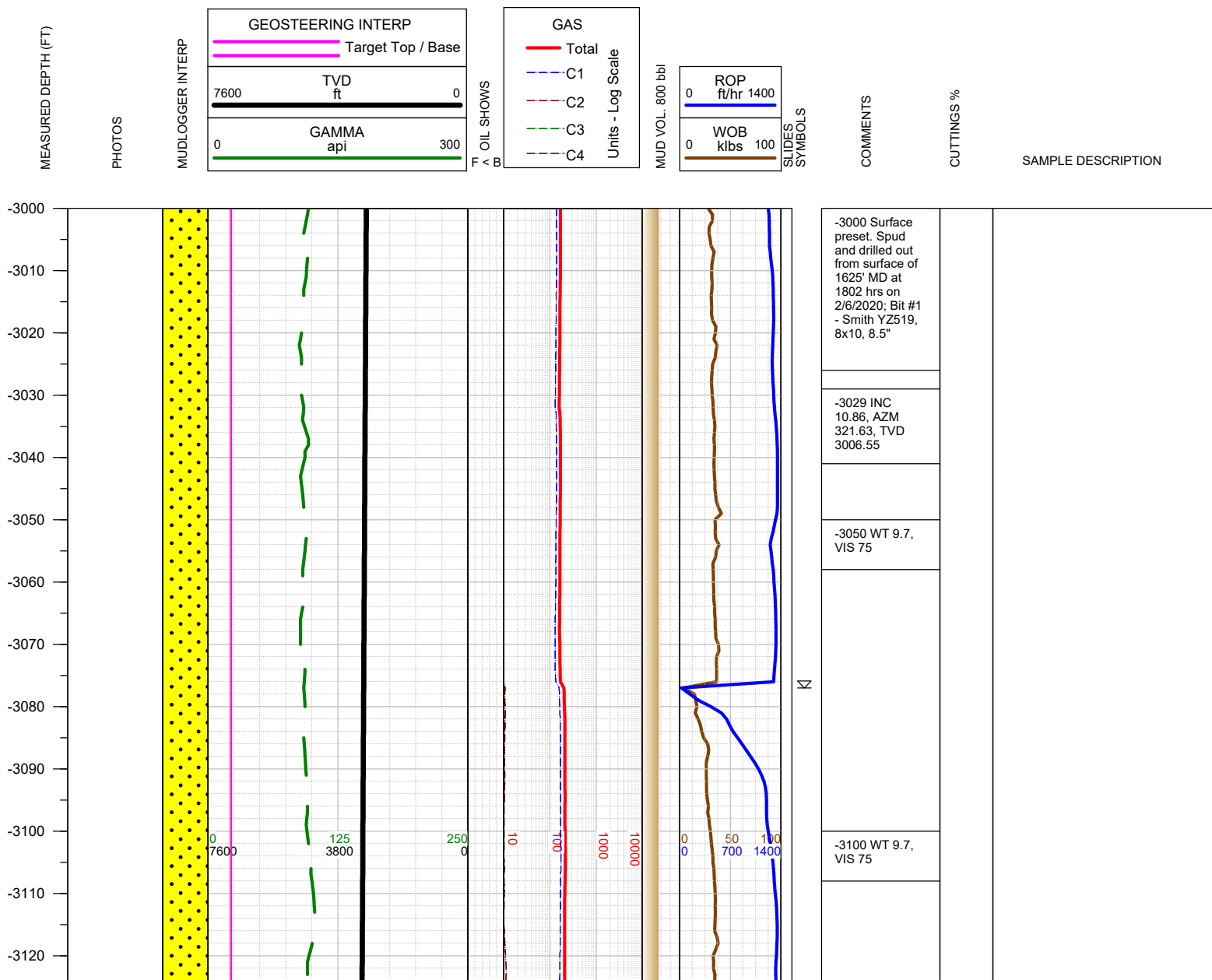
COUNTY: Broomfield
STATE: Colorado
GROUND ELEVATION: 4673'
KELLY BUSHING: 4702'
DRILLING FLUID: OBM
TVD VS. MD: 6905' / 14062'
SPUD DATE: February 6, 2020
TD DATE: February 8, 2020

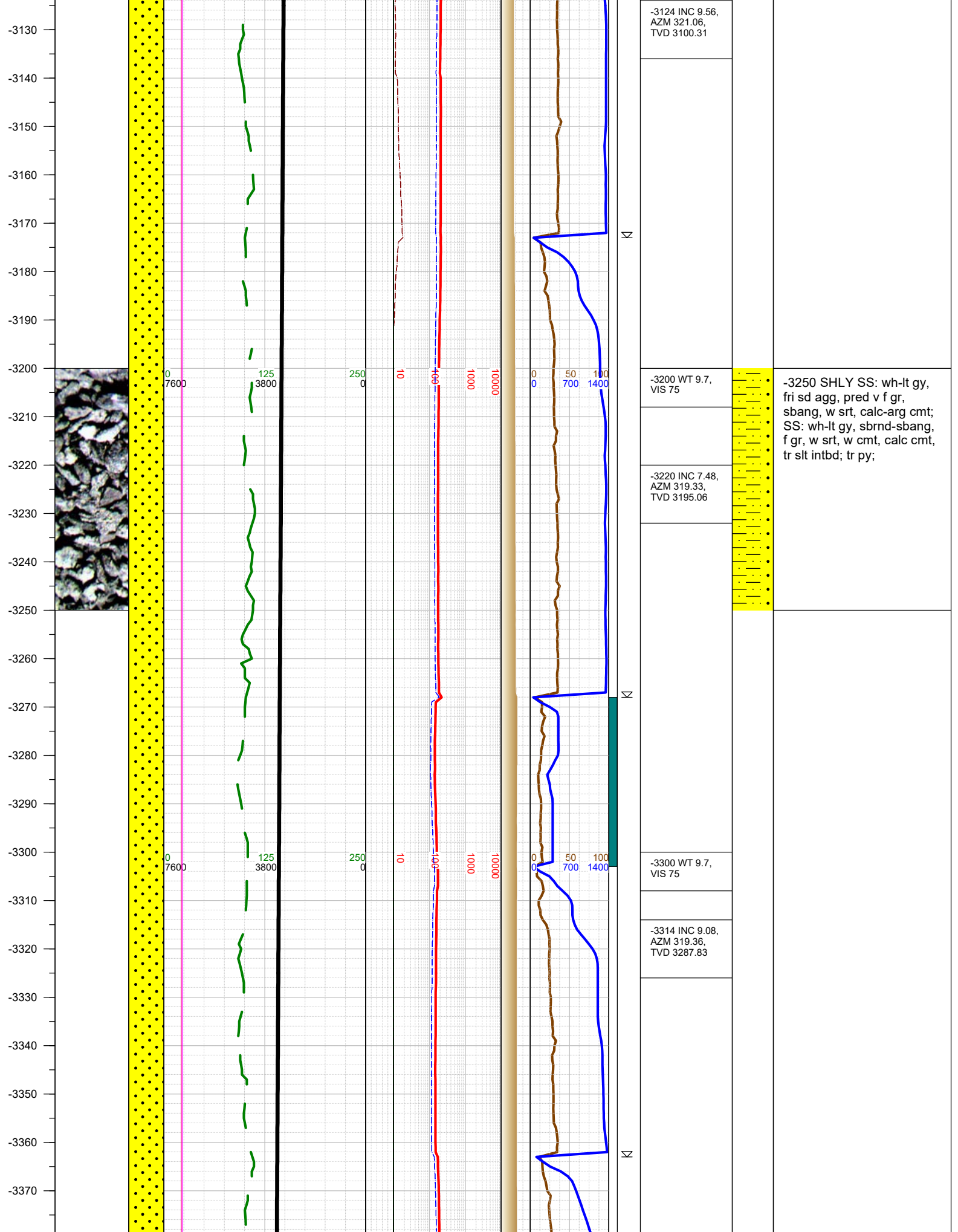
DEPTHS LOGGED: 3000' - 14062'
DATES LOGGED: February 6, 2020 - February 8, 2020
GEOLOGISTS: Kyle Newman, Mitch Weller
SCALE: 5" = 100'

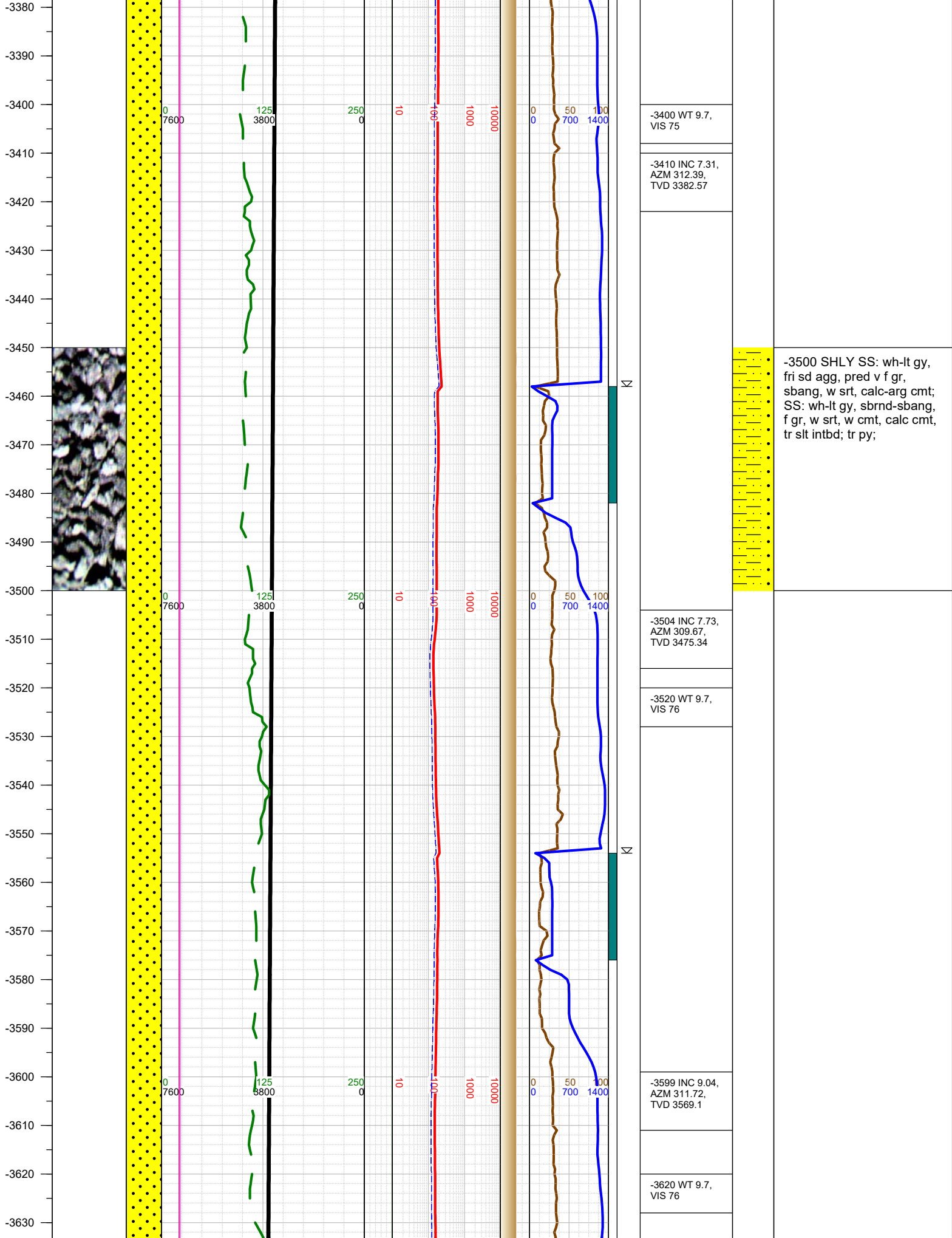
LEGEND

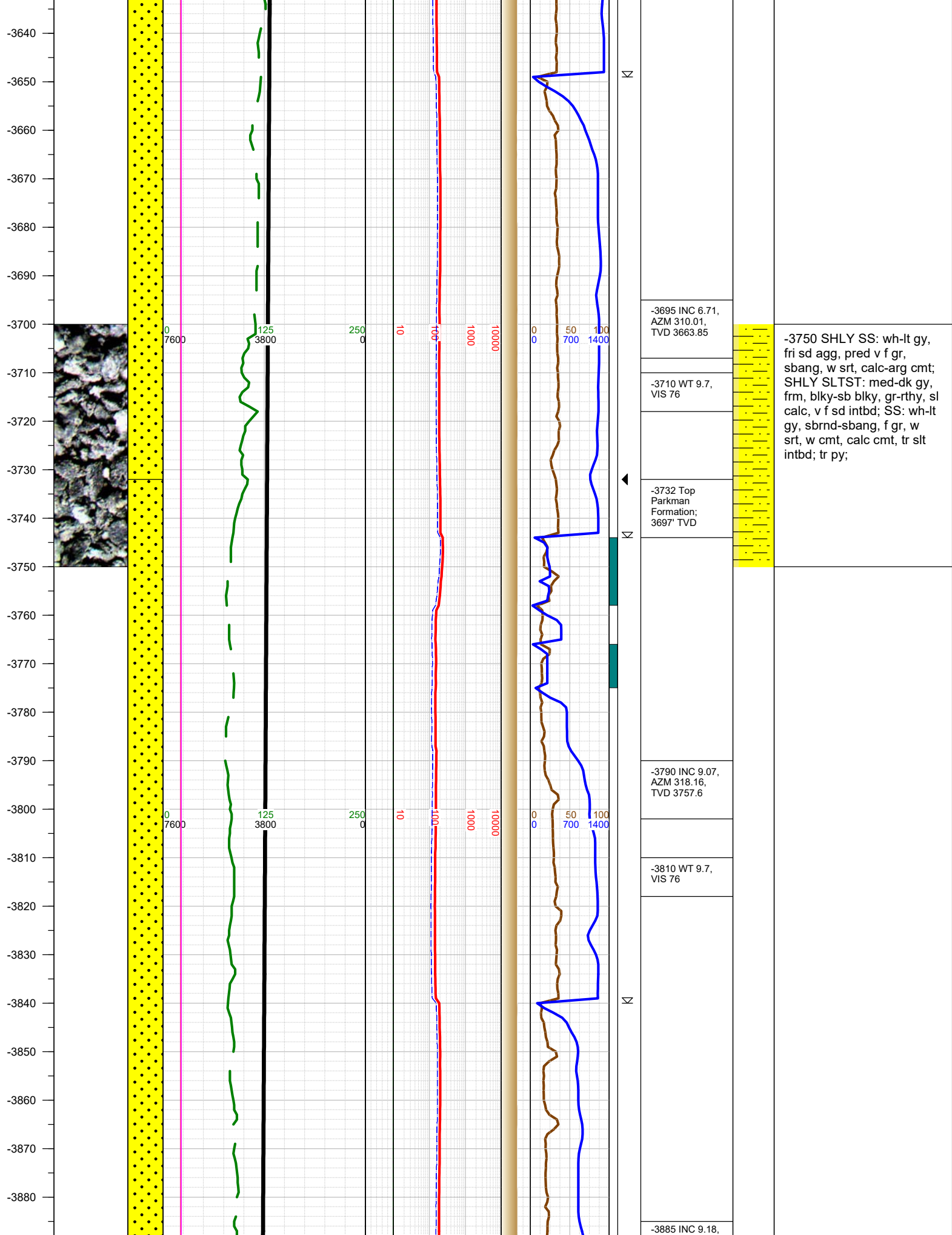


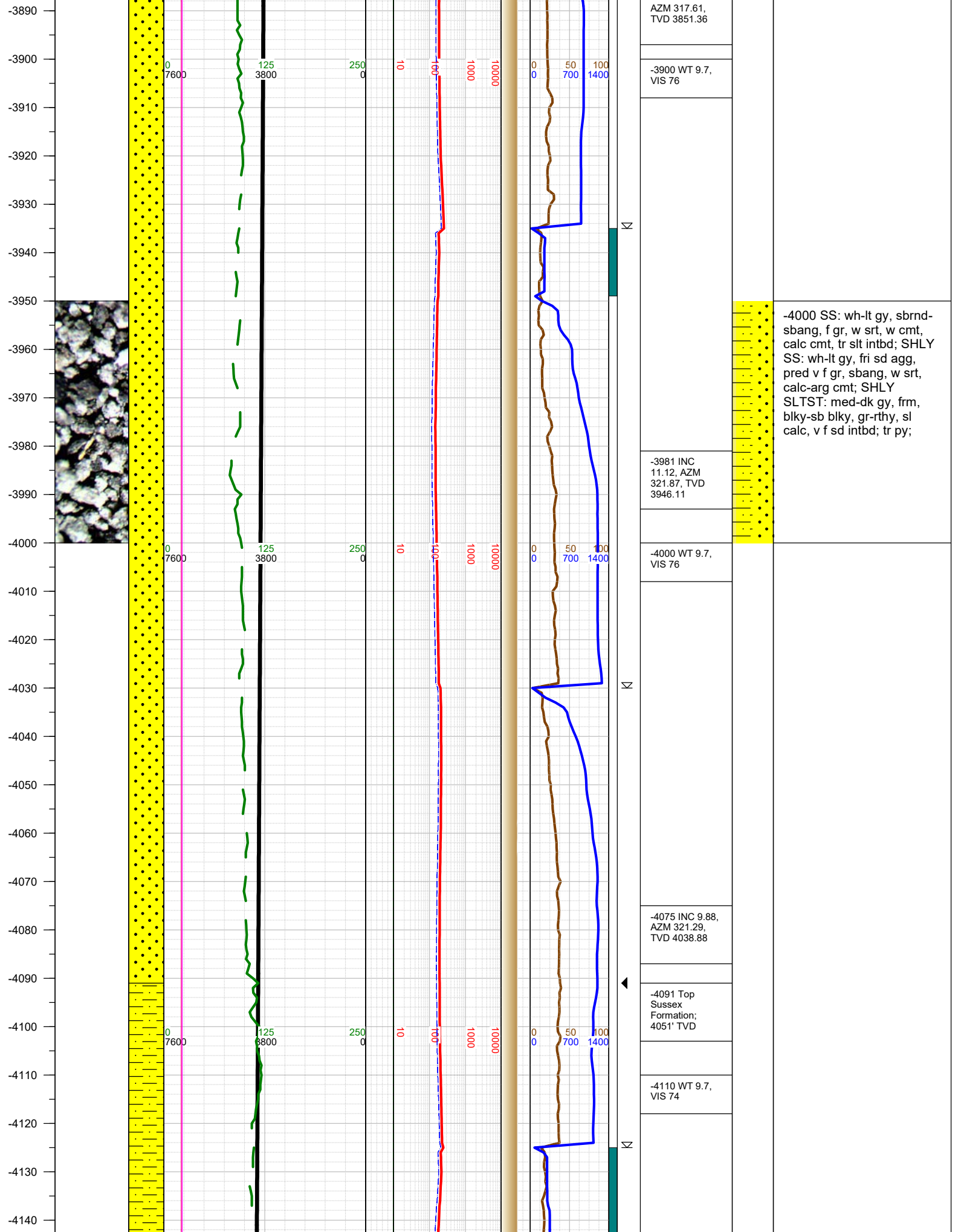
FORMATION \approx CONNECTION Δ MIDNIGHT NEW BIT GAS SHOW FAULT

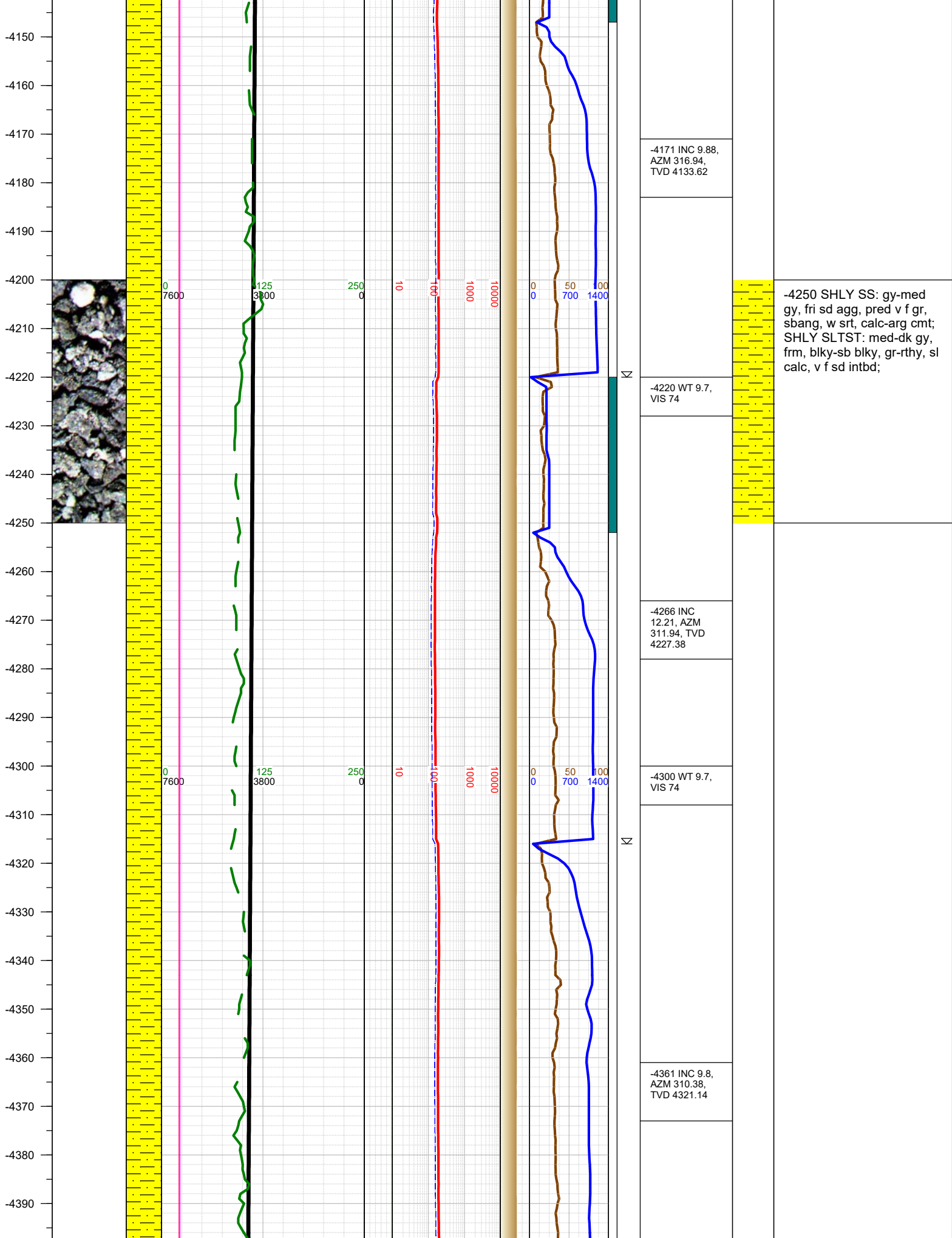


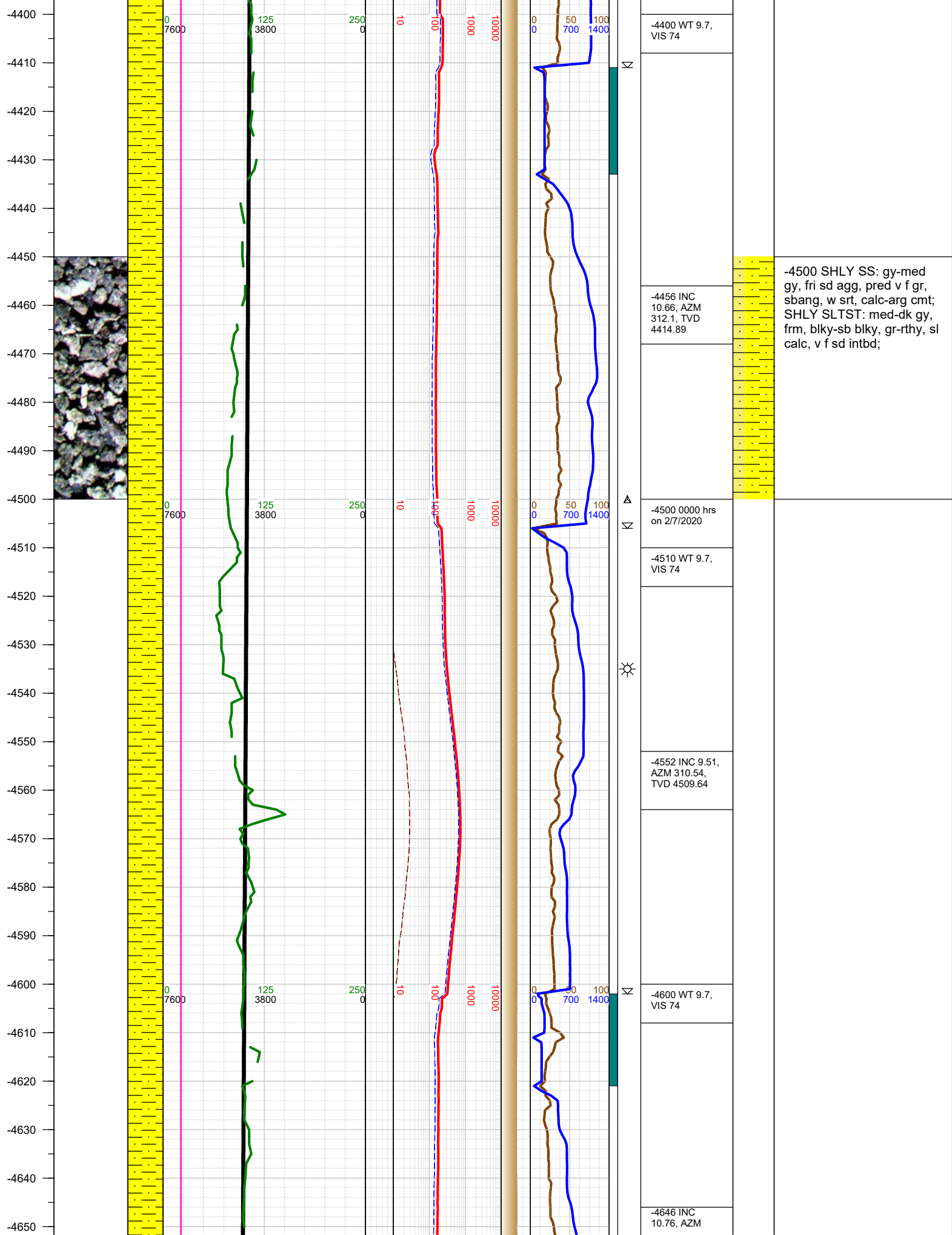


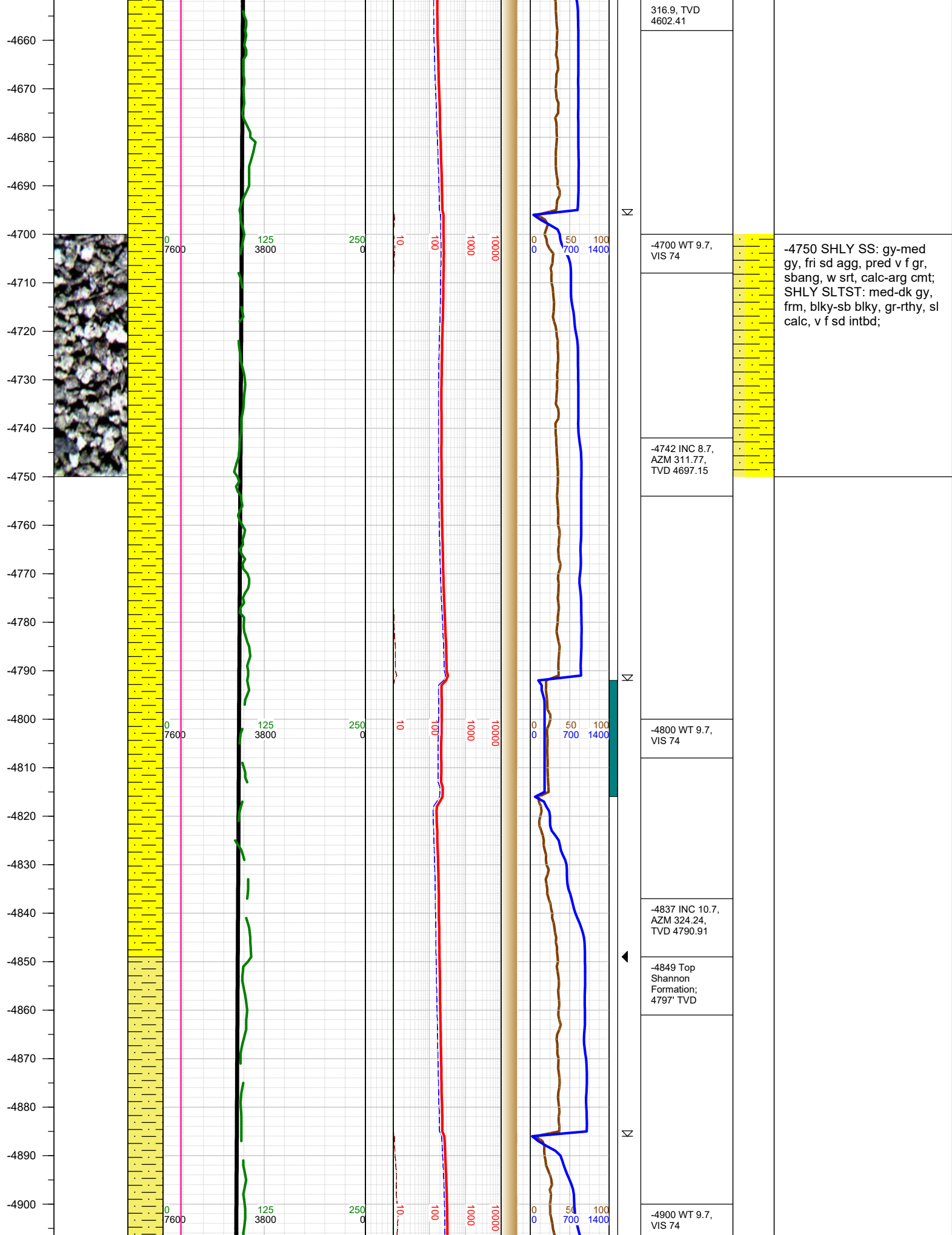


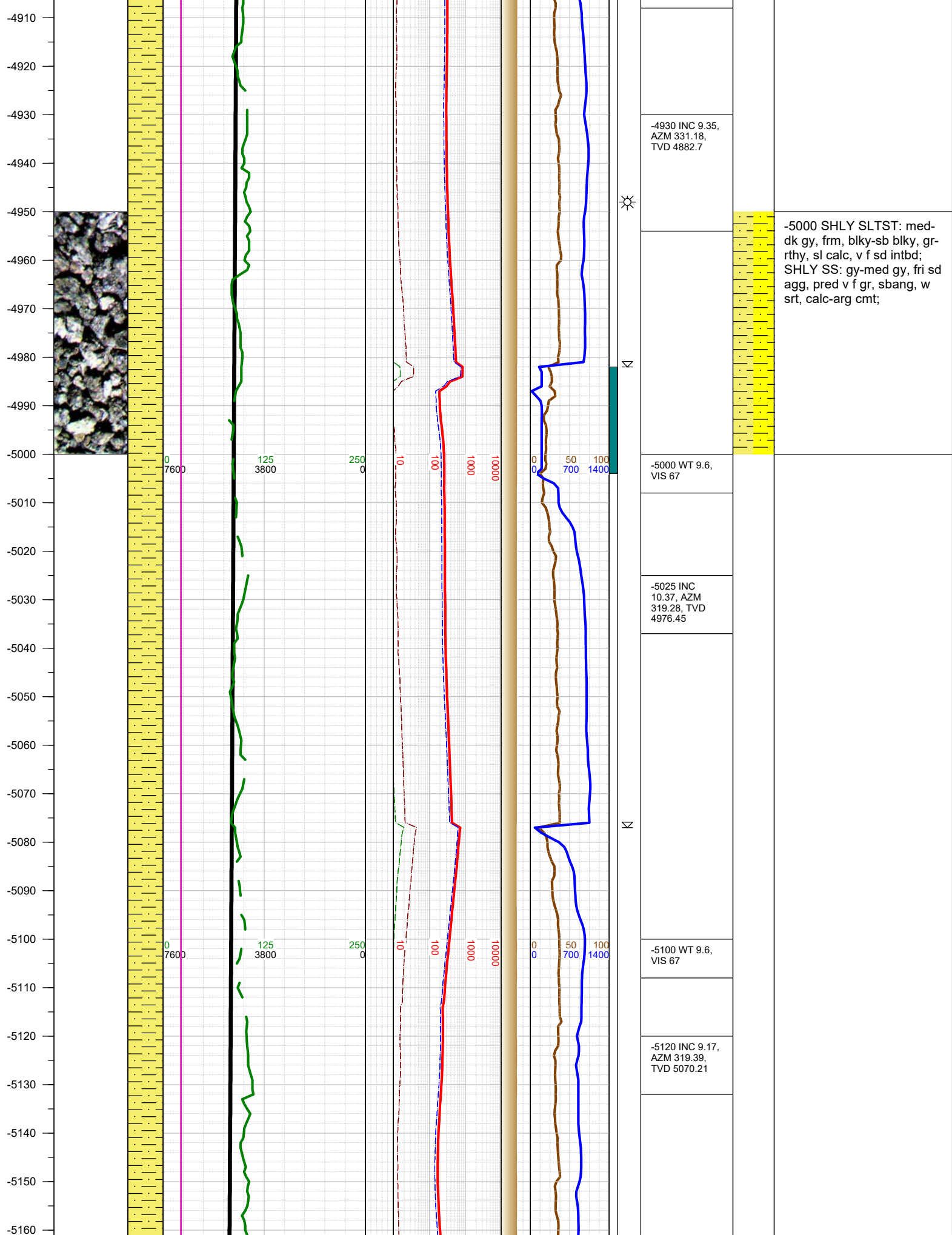


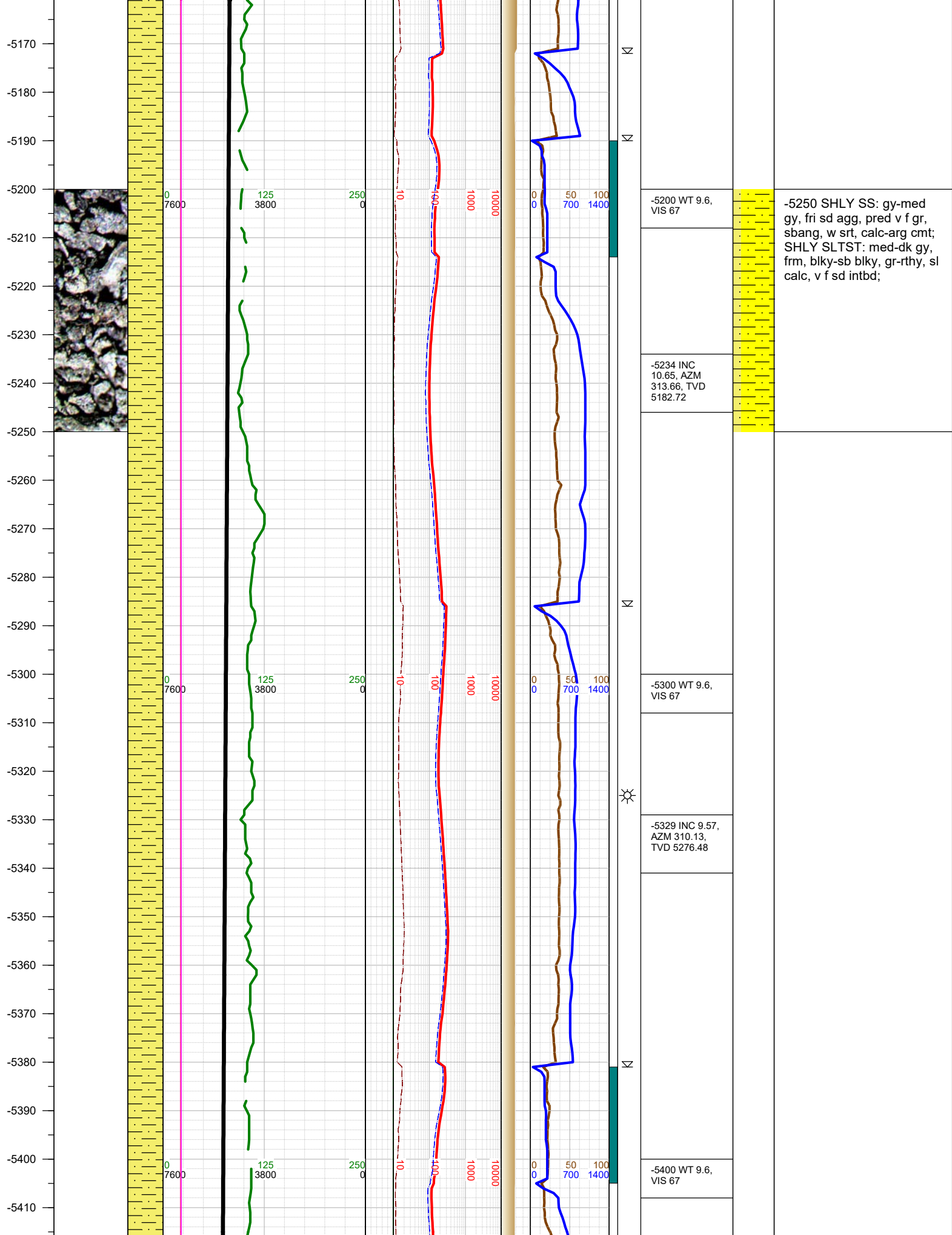




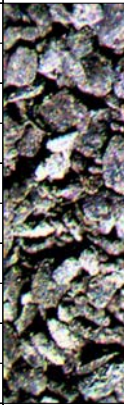








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-5425 INC 11.5,
AZM 314.22,
TVD 5371.22

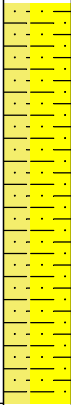
-5500 WT 9.6,
VIS 67

-5520 INC 9.6,
AZM 312.54,
TVD 5464.98

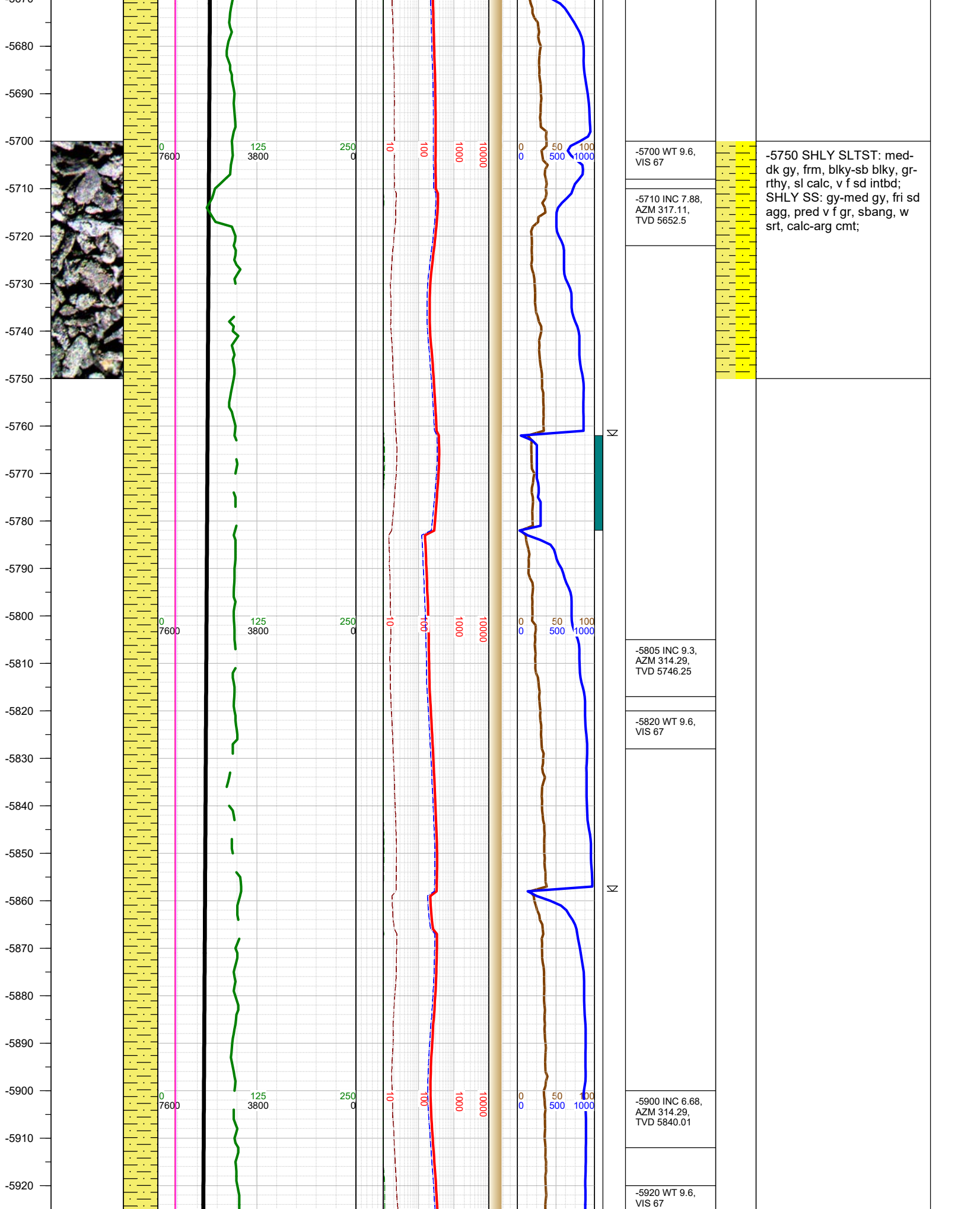
-5600 WT 9.6,
VIS 67

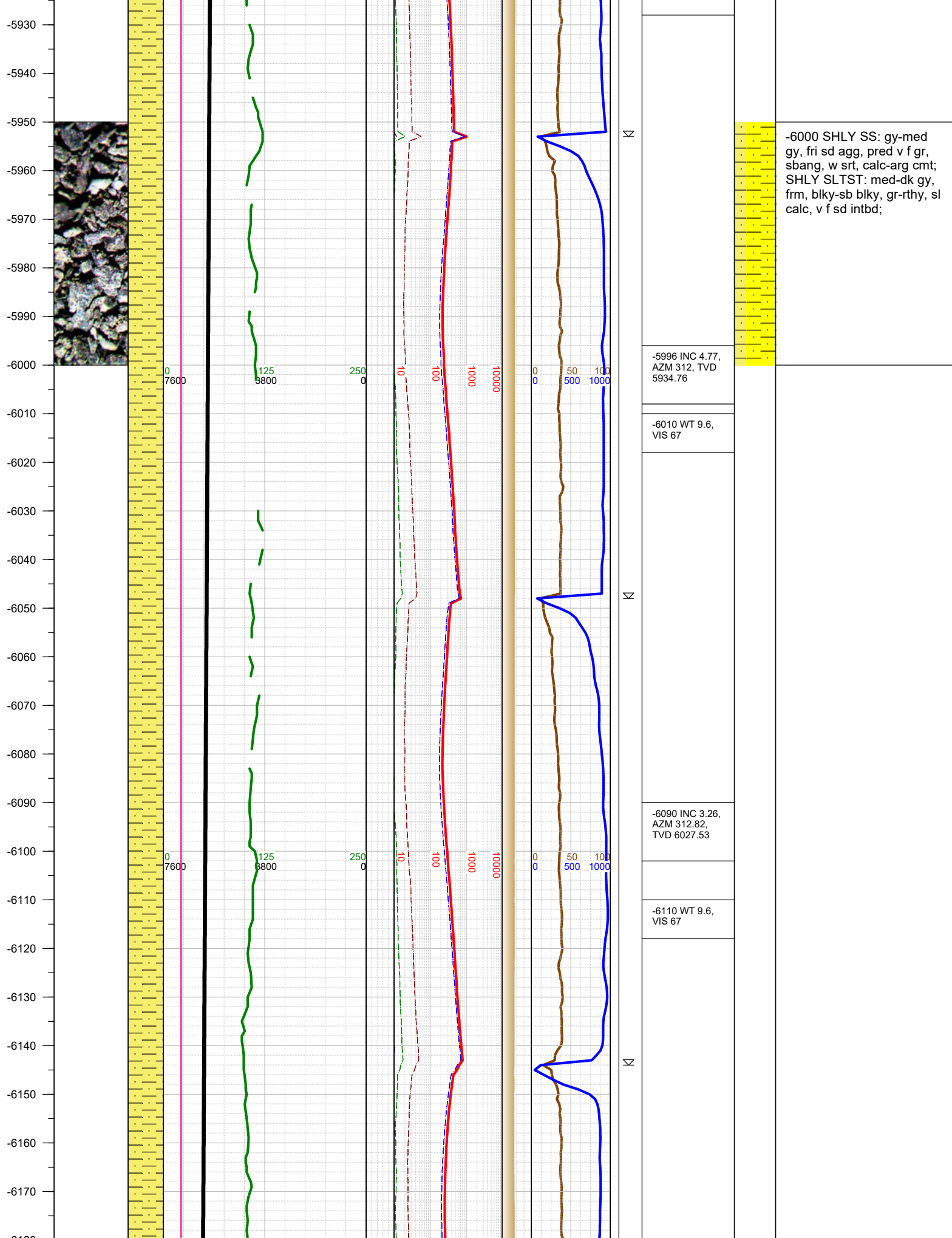
-5615 INC 10.3,
AZM 315.44,
TVD 5558.74

-5660 Change
ROP Scale

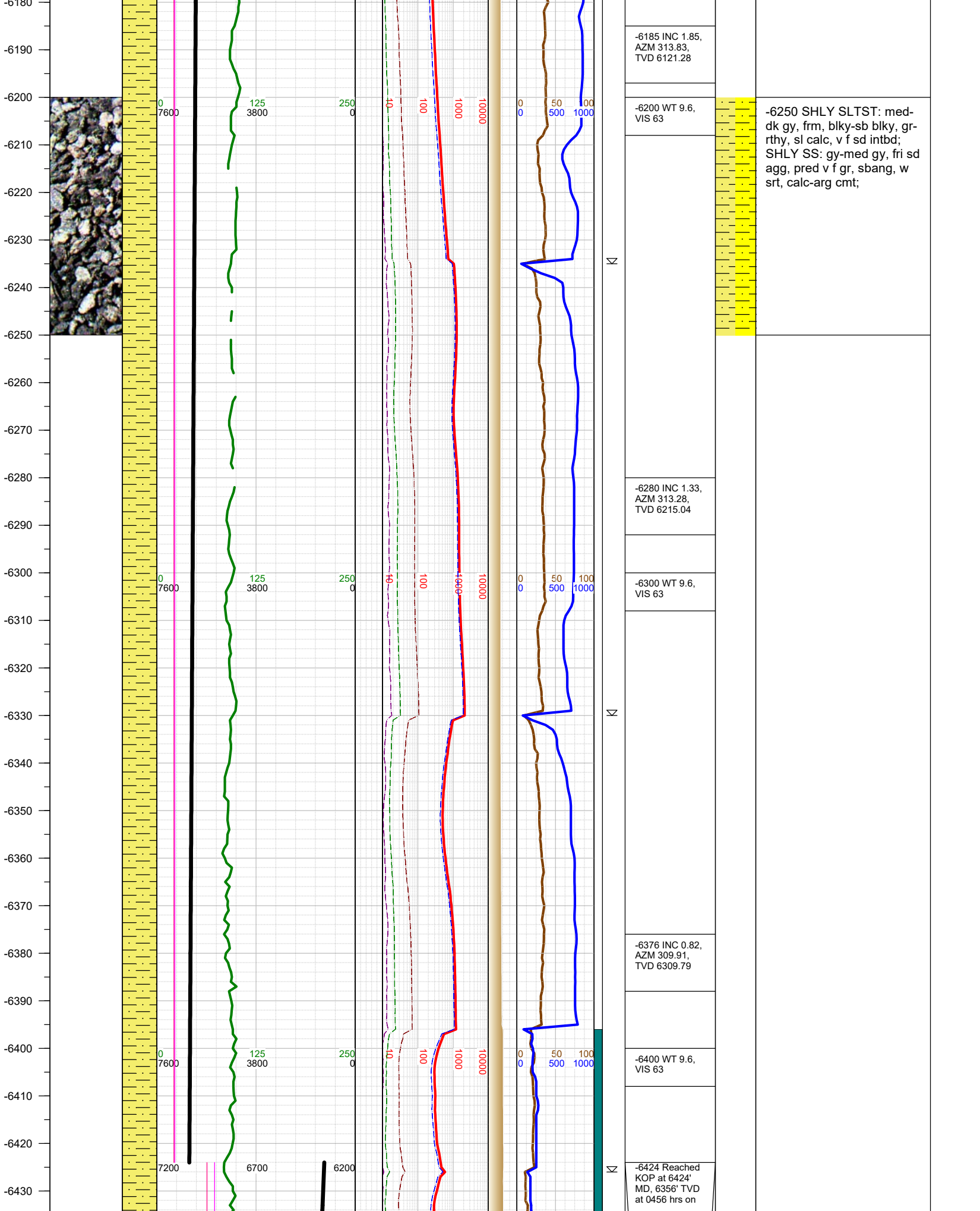


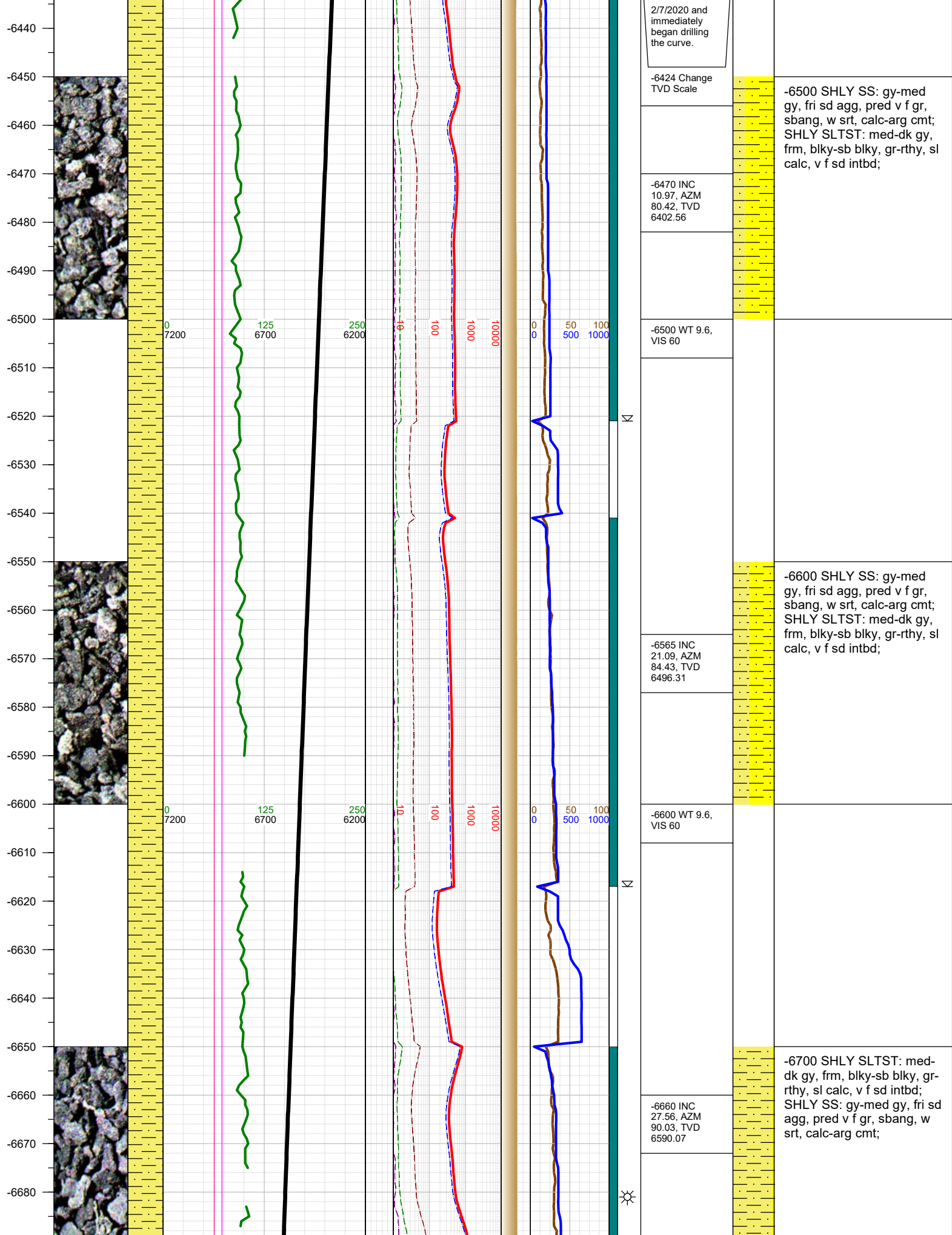
-5500 SHLY SS: gy-med
gy, fri sd agg, pred v f gr,
sbang, w srt, calc-arg cmt;
SHLY SLTST: med-dk gy,
frm, blk-y-sb blk-y, gr-rthy, sl
calc, v f sd intbd;

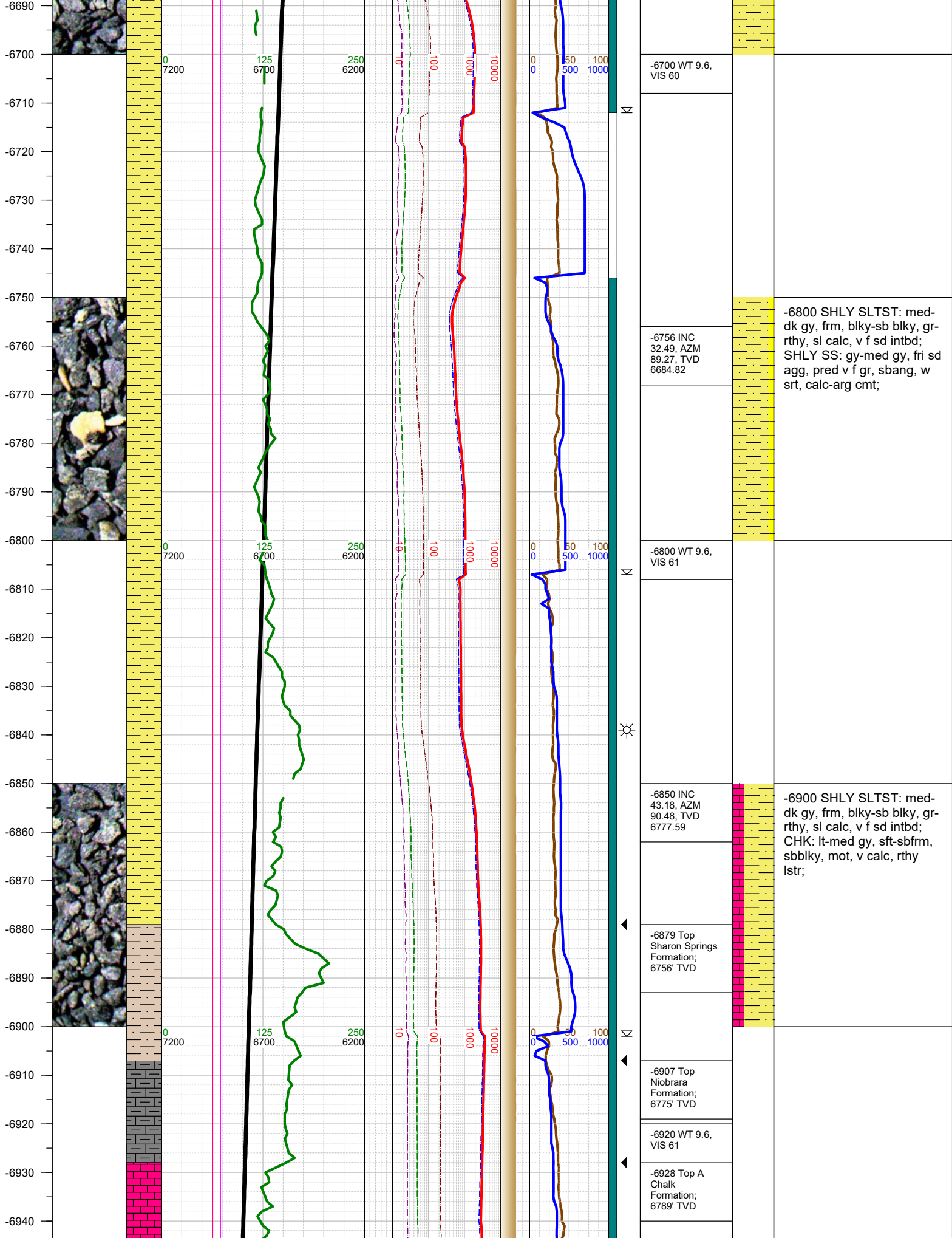


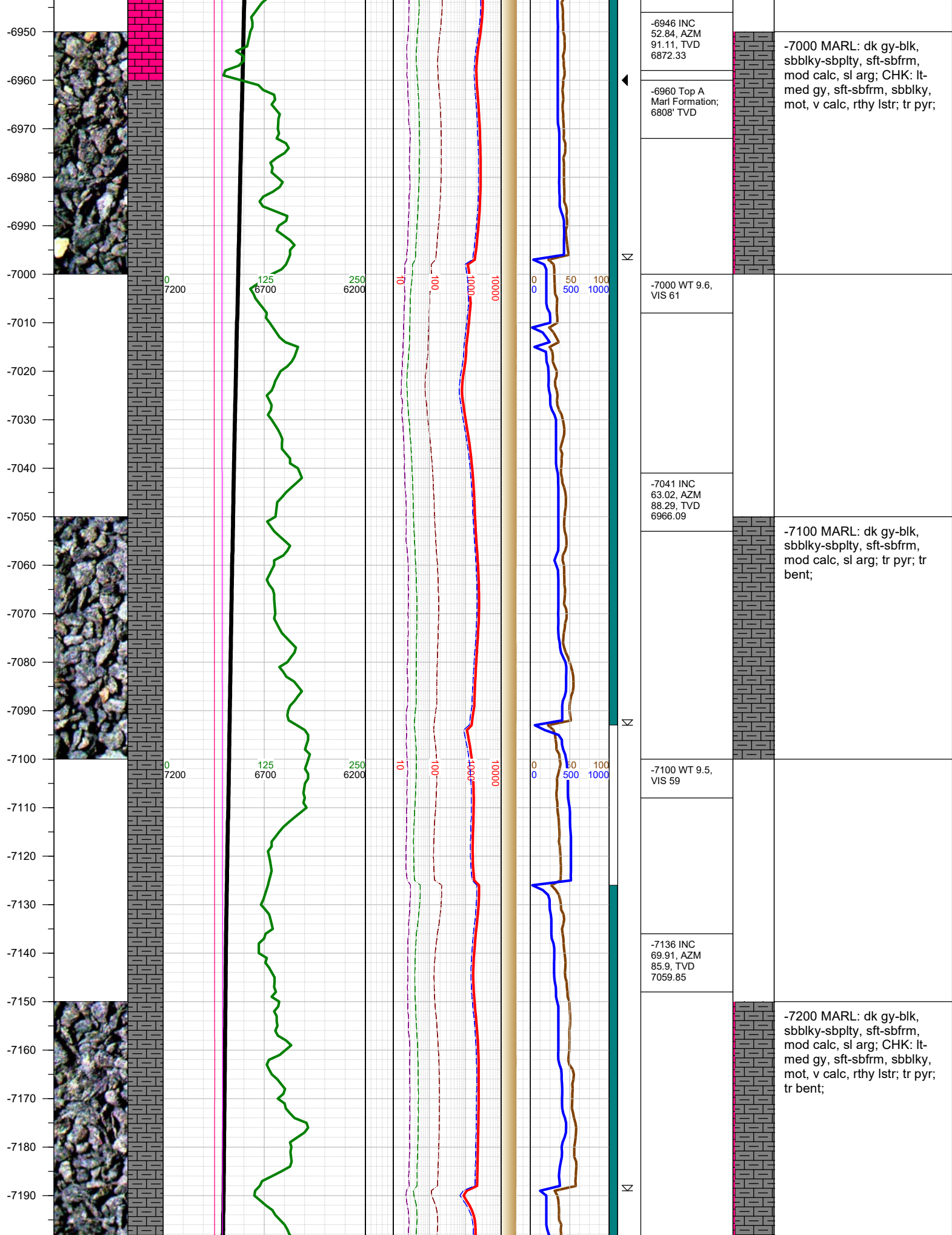


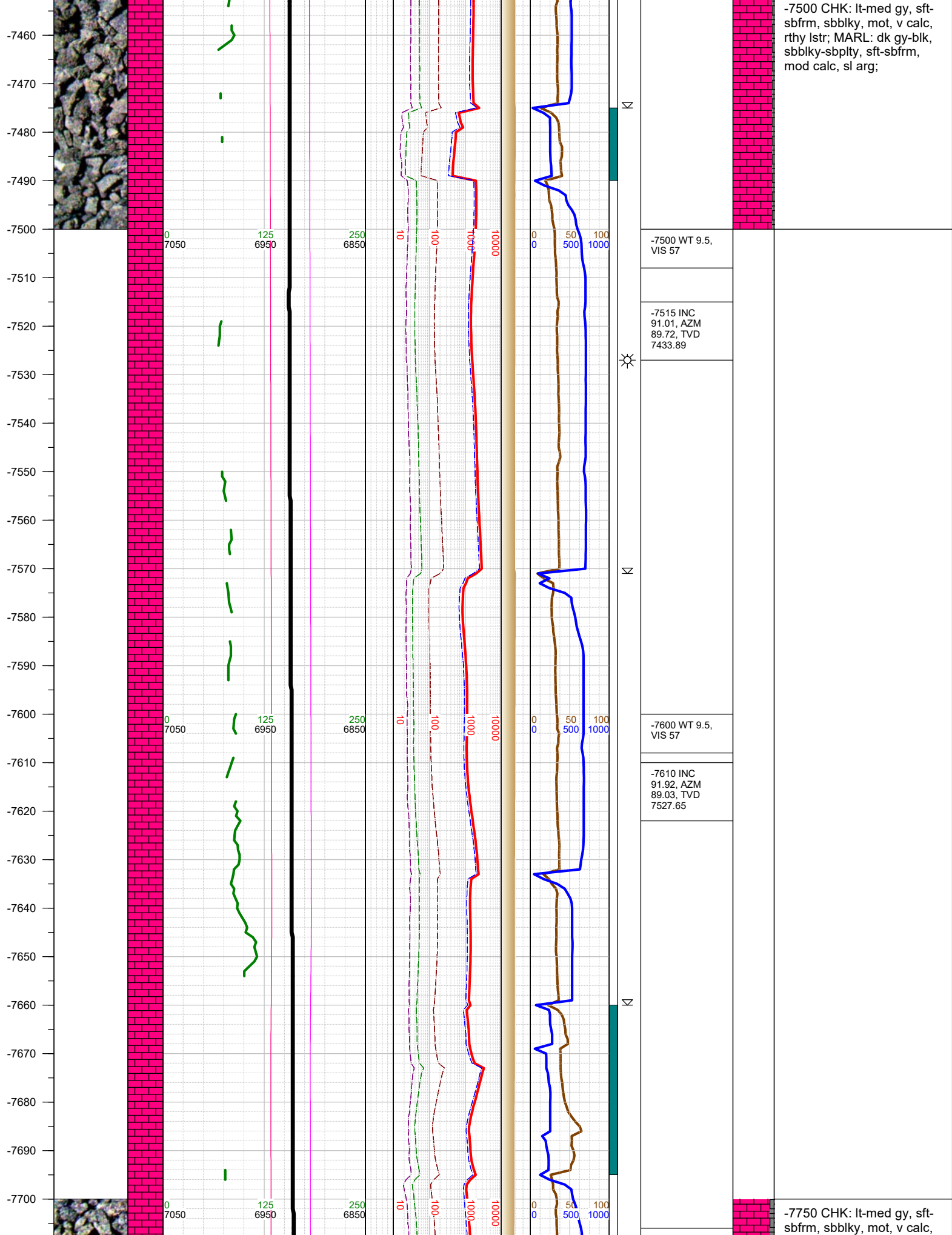
-6000 SHLY SS: gy-med gy, fri sd agg, pred v f gr, sbang, w srt, calc-arg cmt; SHLY SLTST: med-dk gy, frm, blk-y-sb blk-y, gr-rthy, sl calc, v f sd intbd;

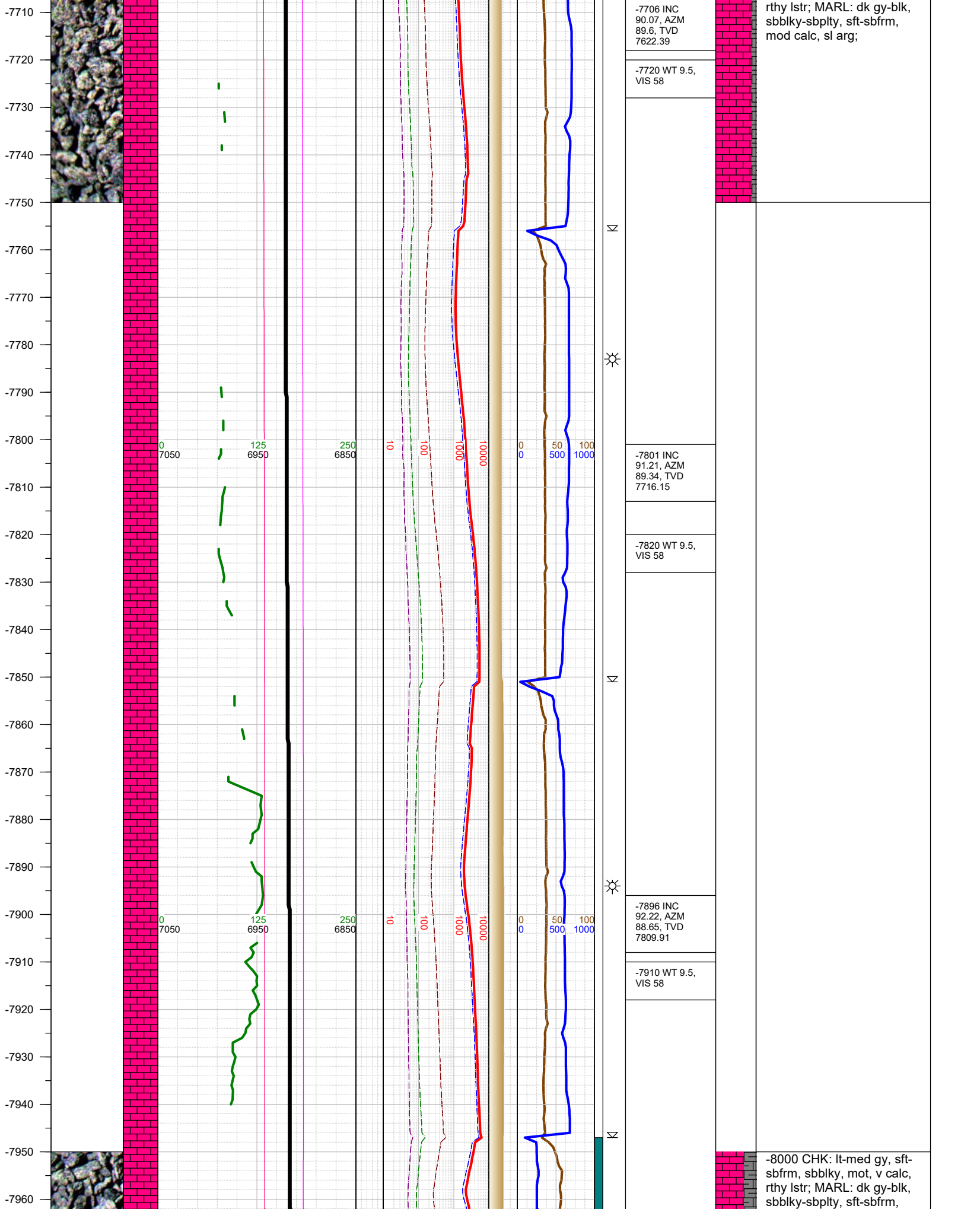


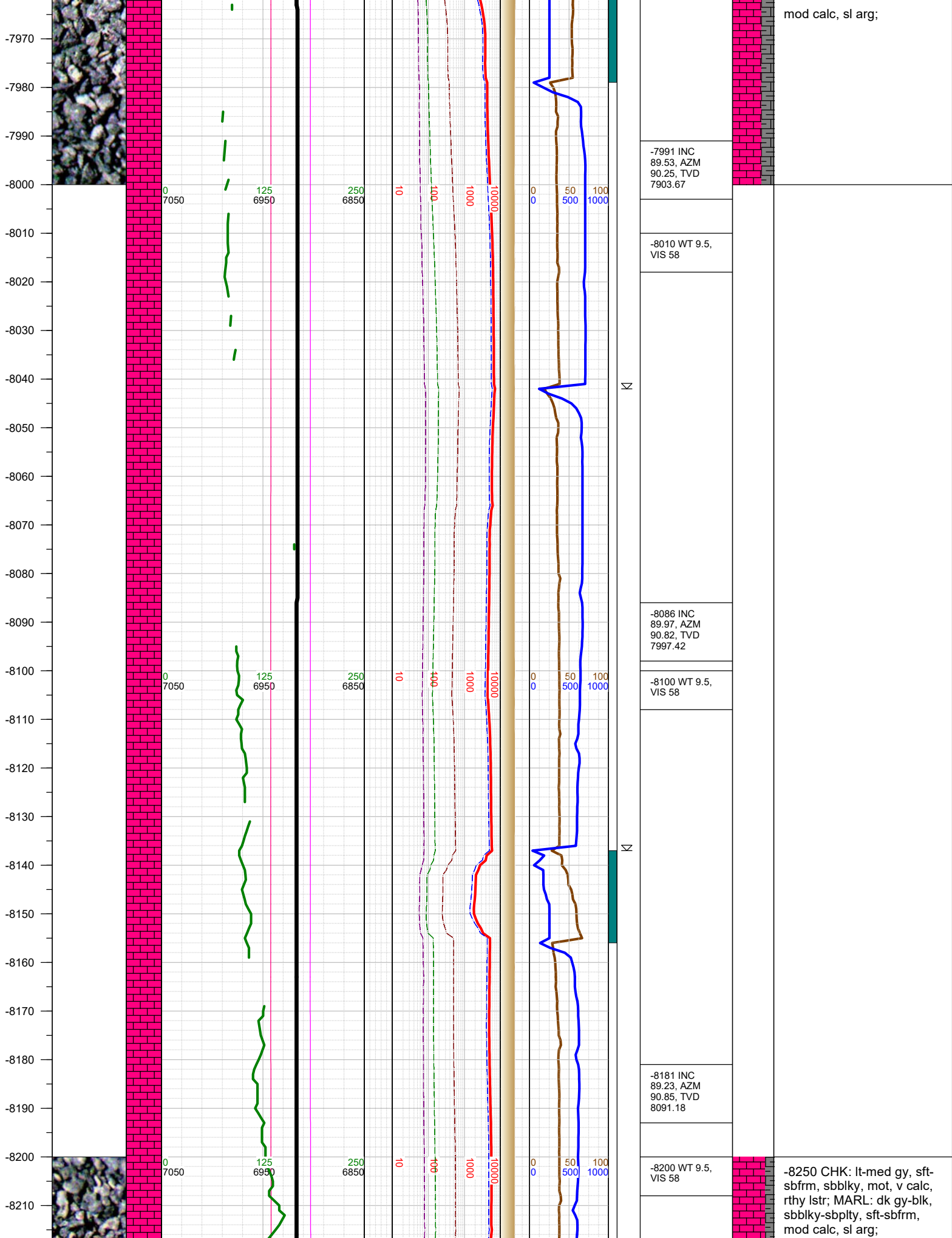


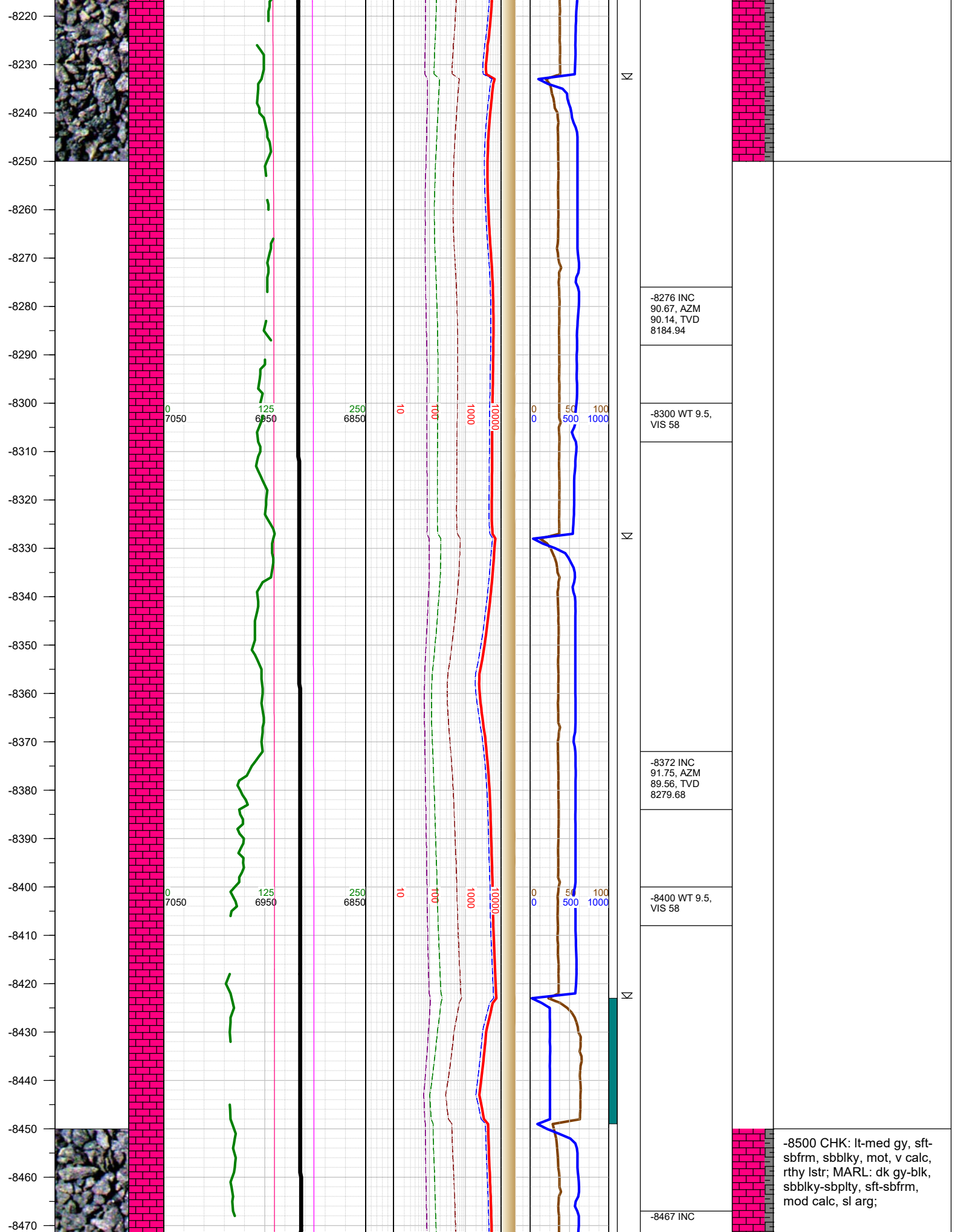


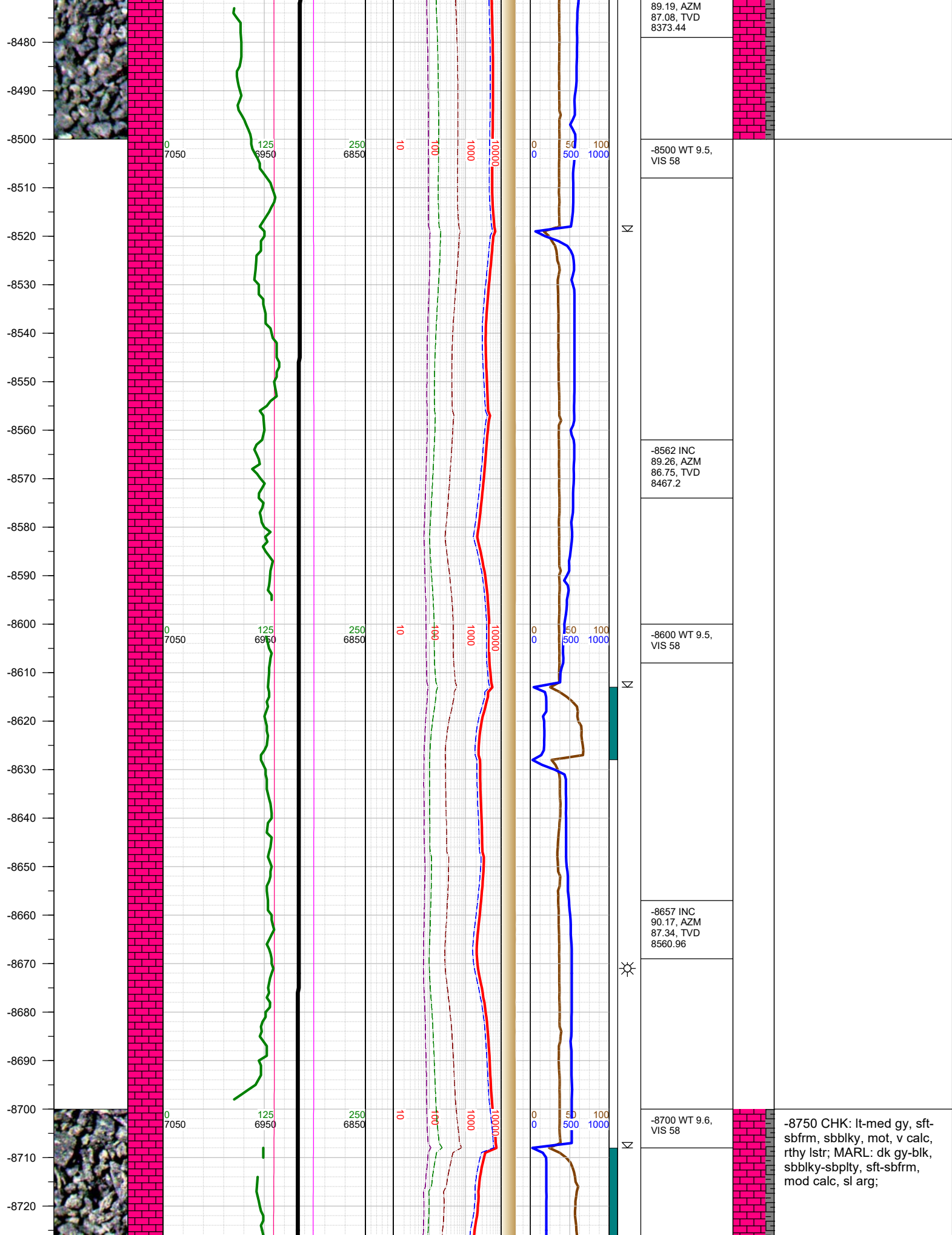


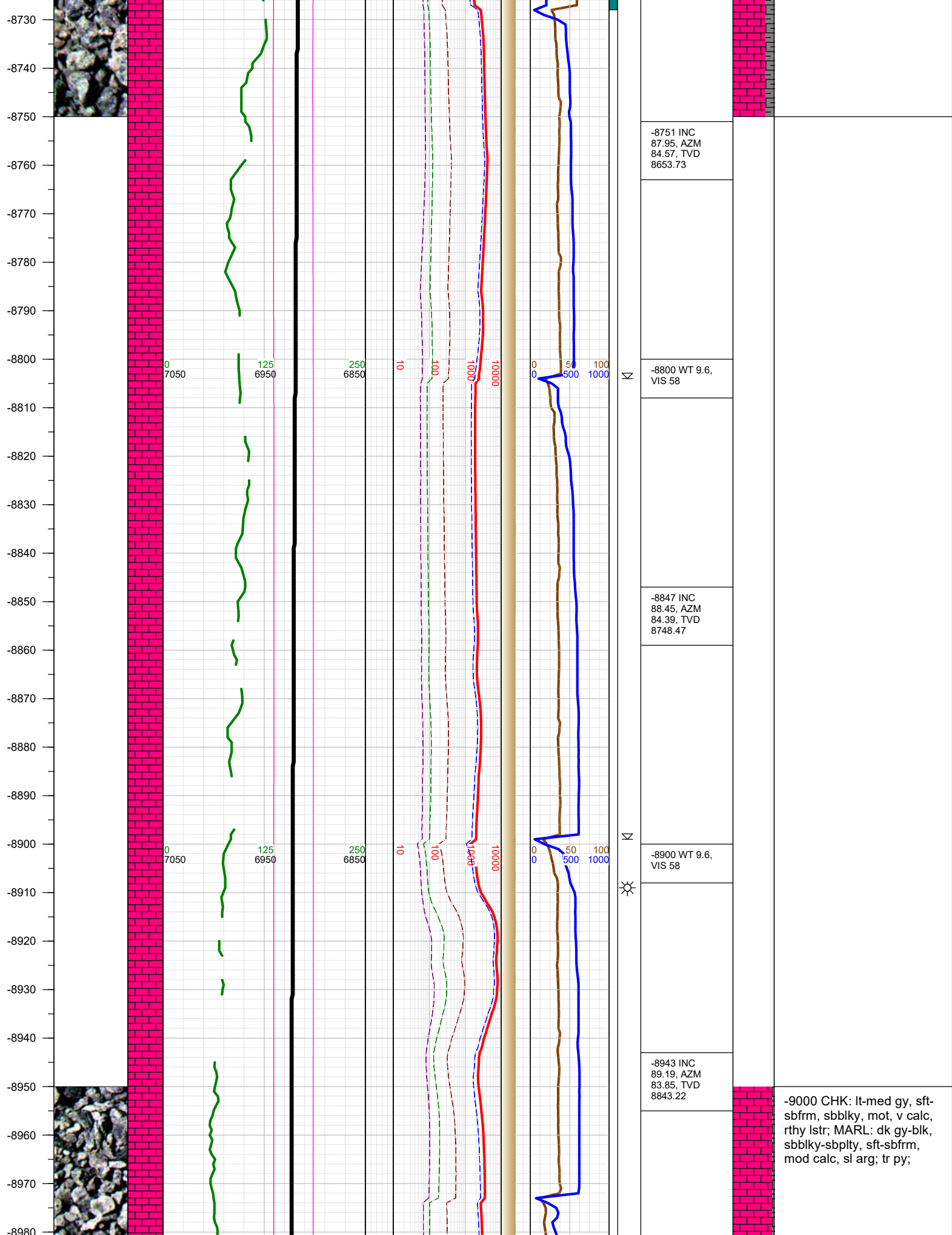


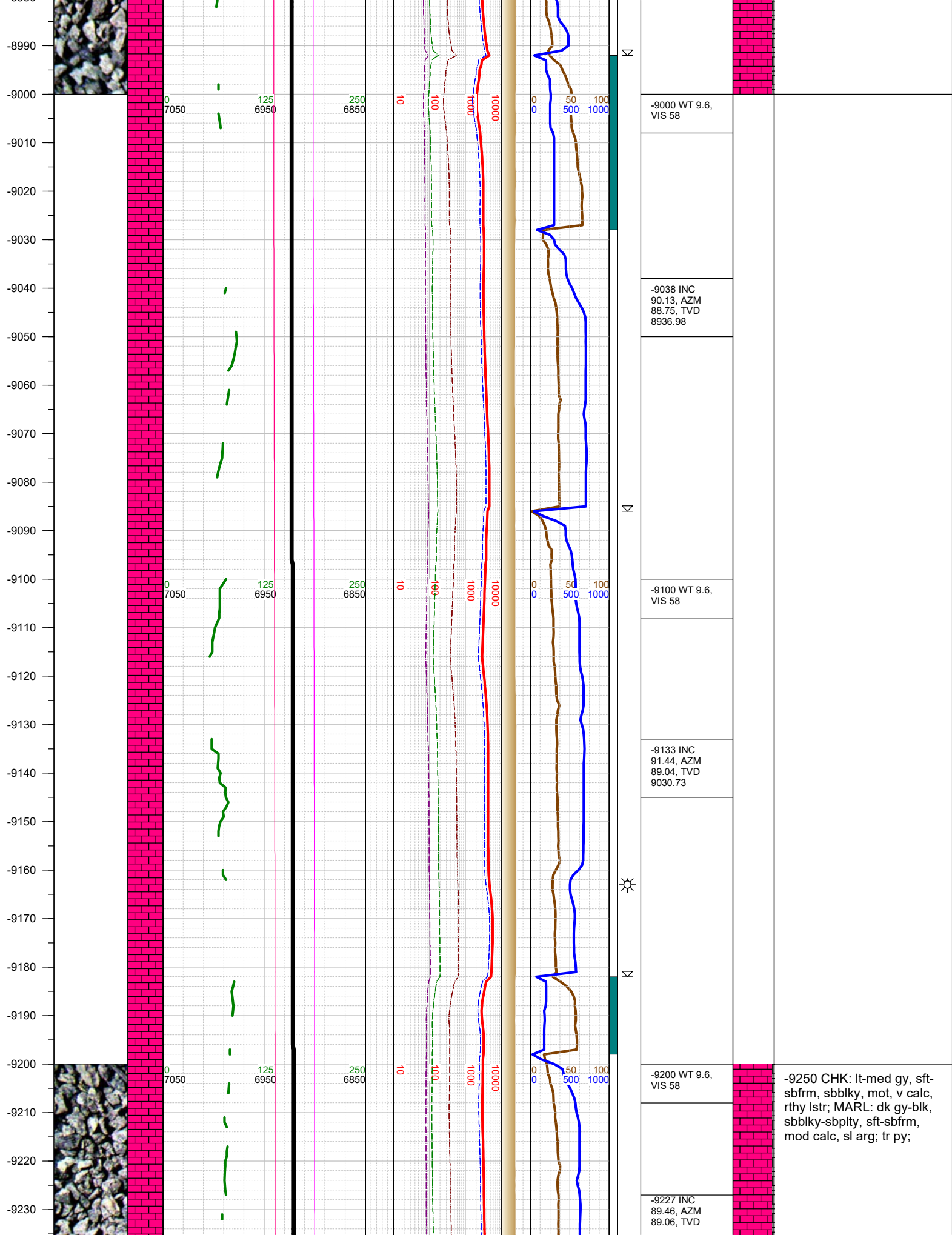


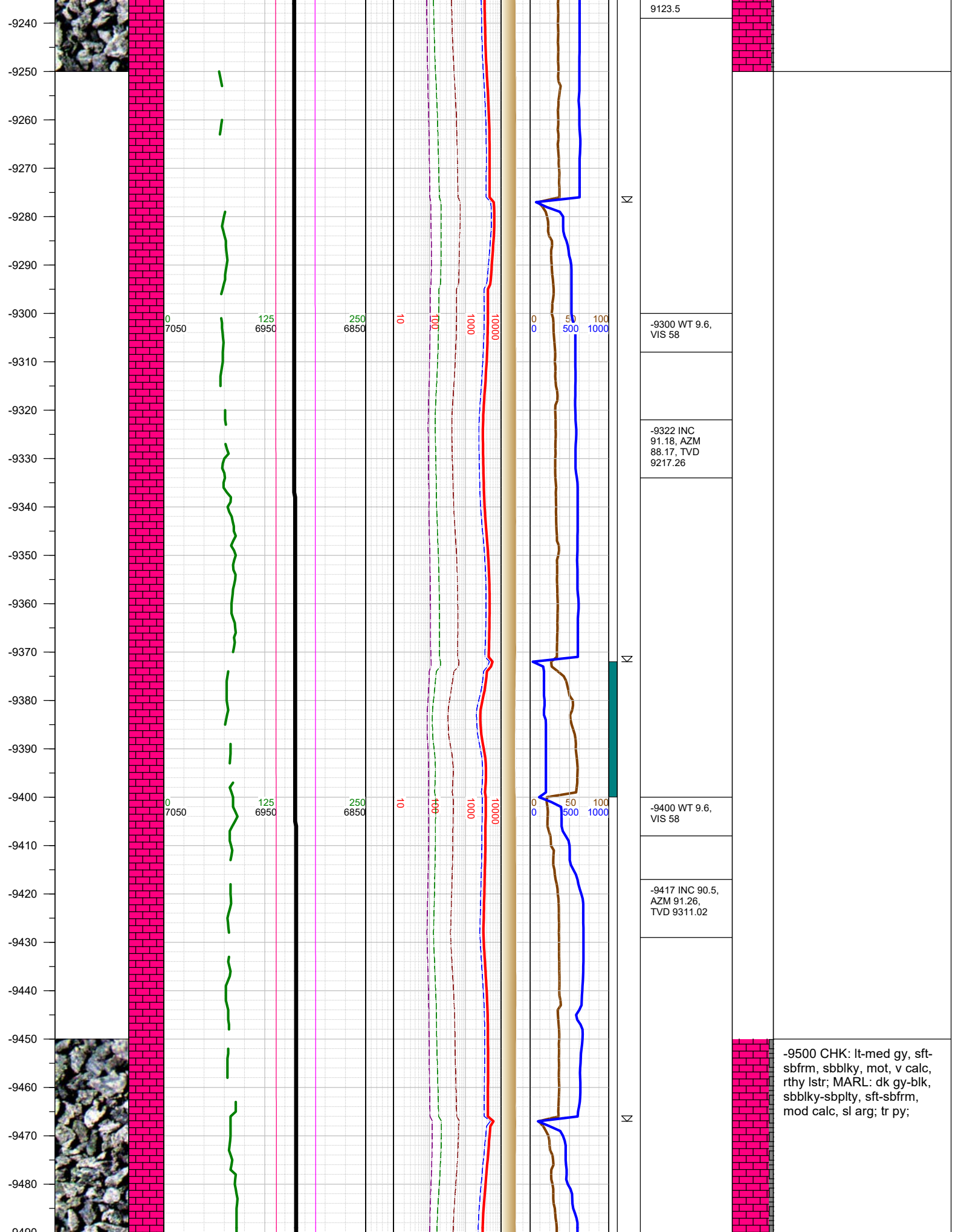


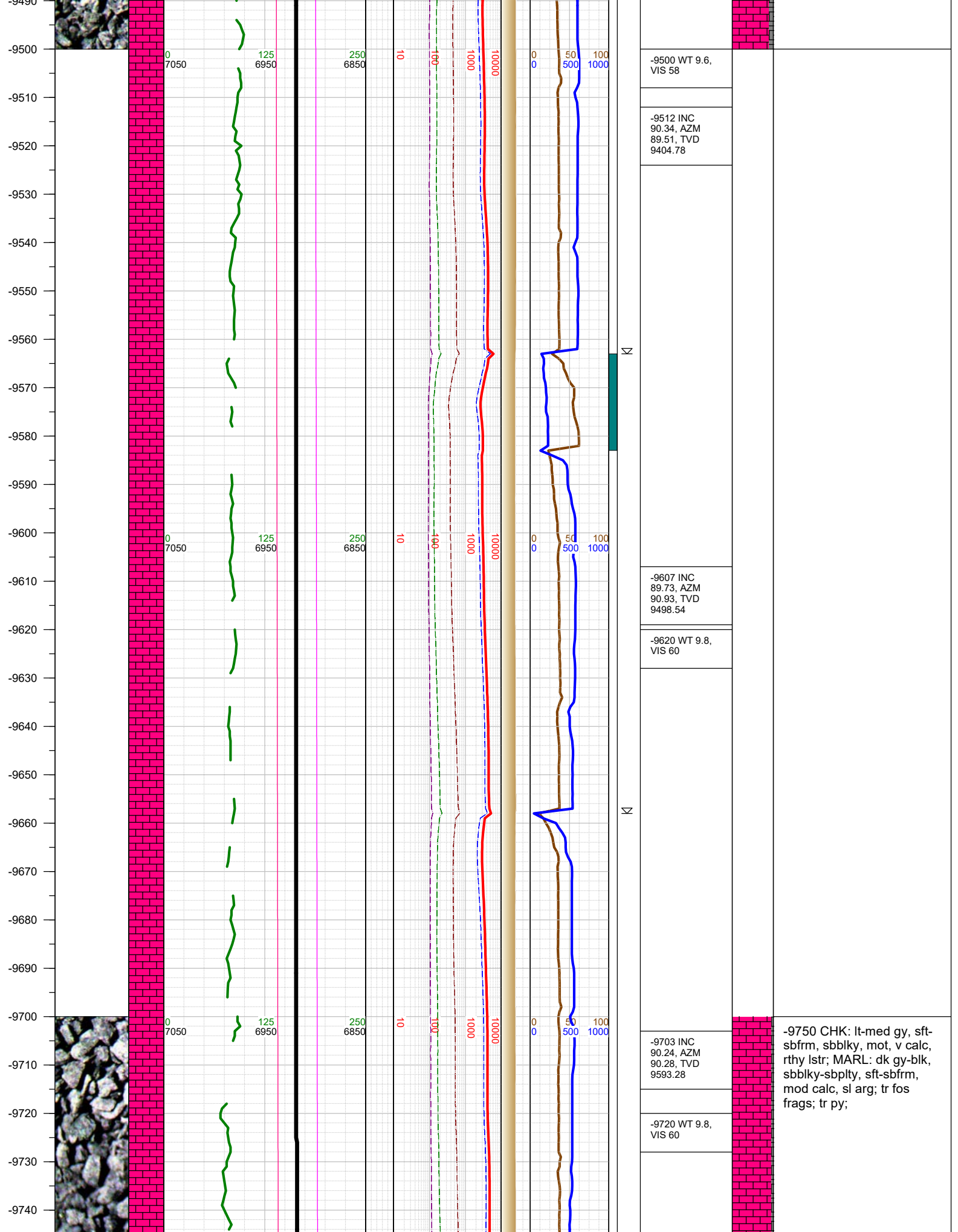




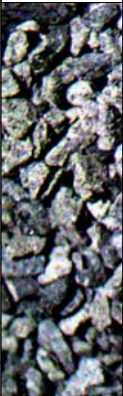








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-9797 INC 90.3,
AZM 89.87,
TVD 9686.05

-9810 WT 10,
VIS 60

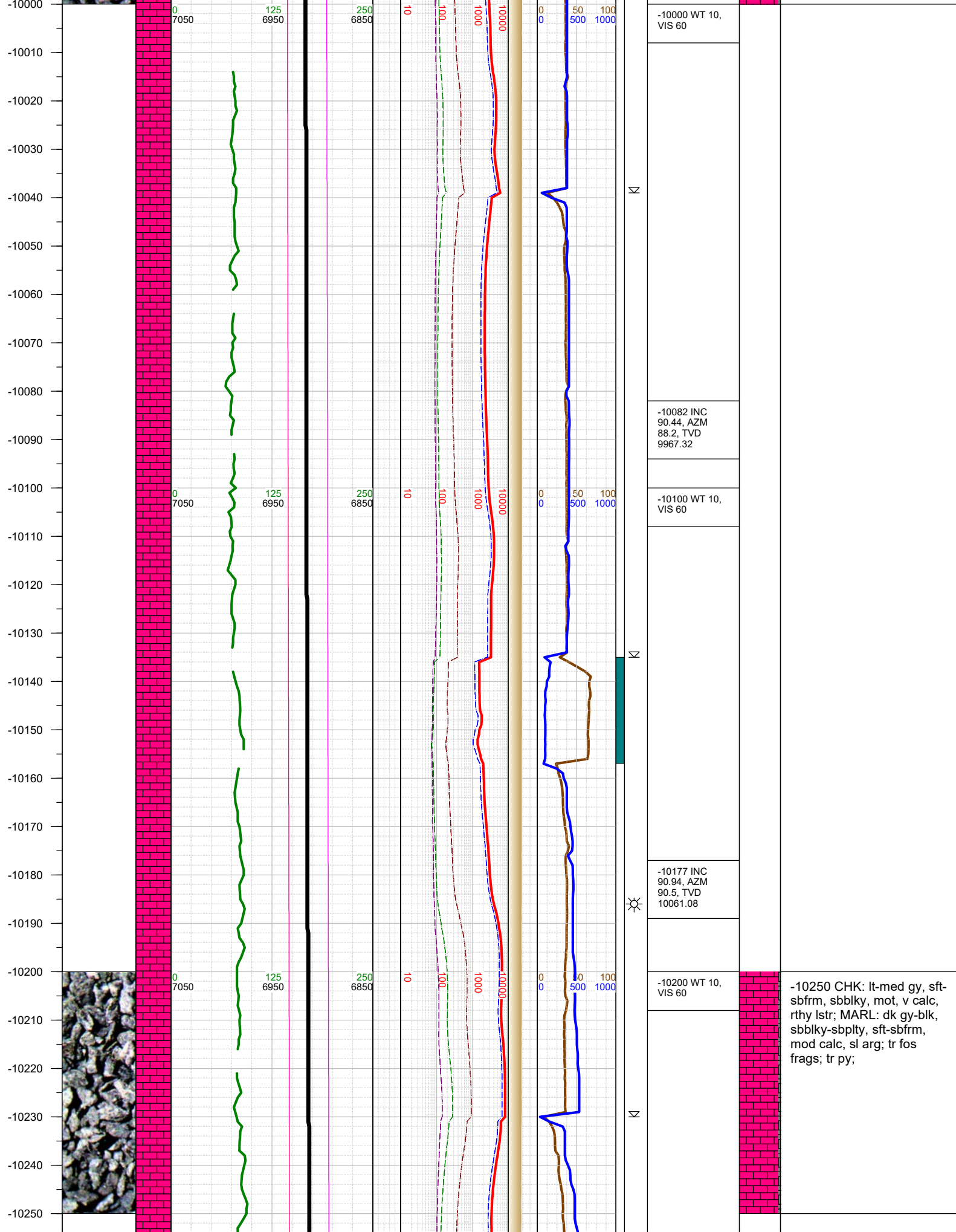
-9892 INC
90.34, AZM
89.42, TVD
9779.81

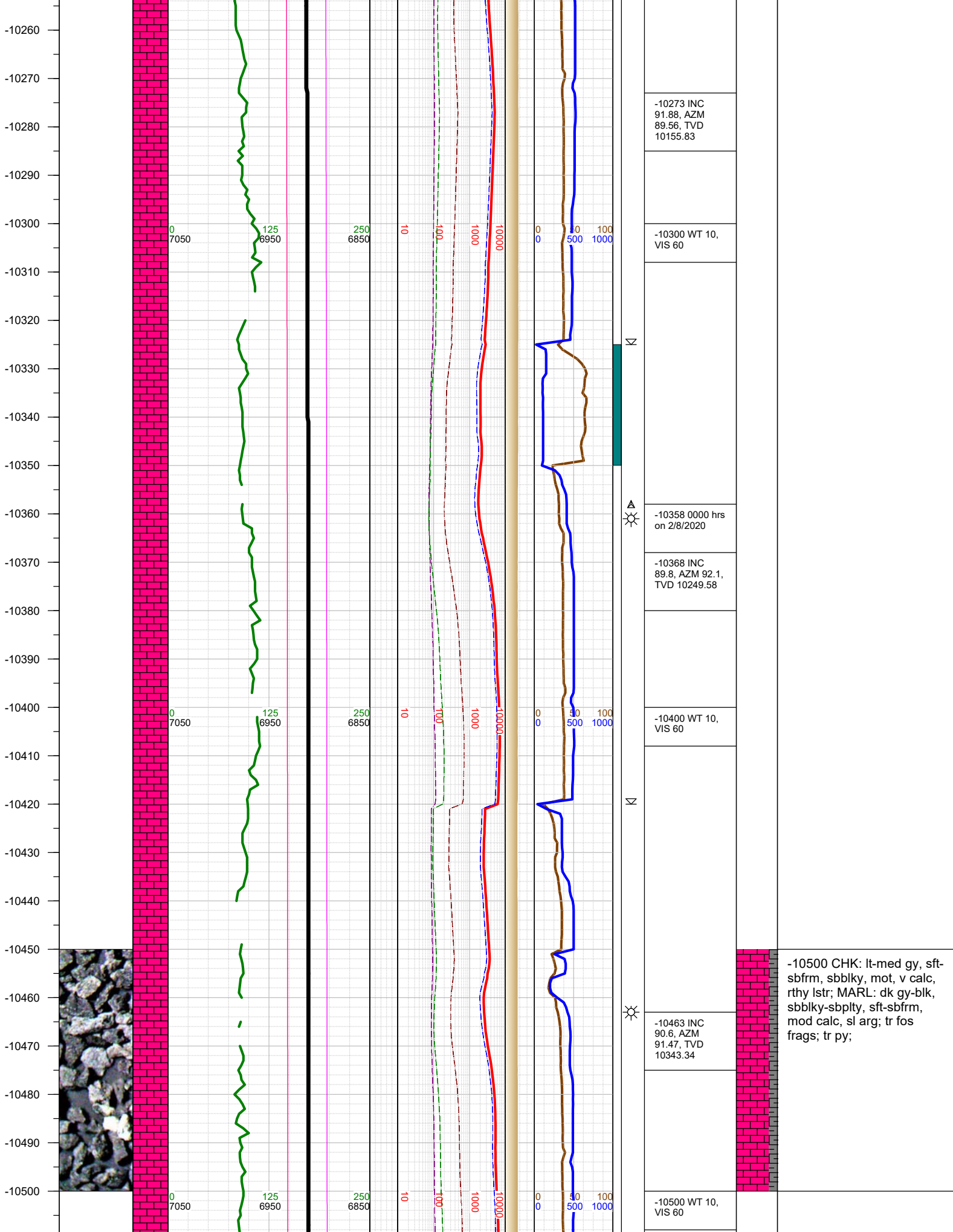
-9910 WT 10,
VIS 60



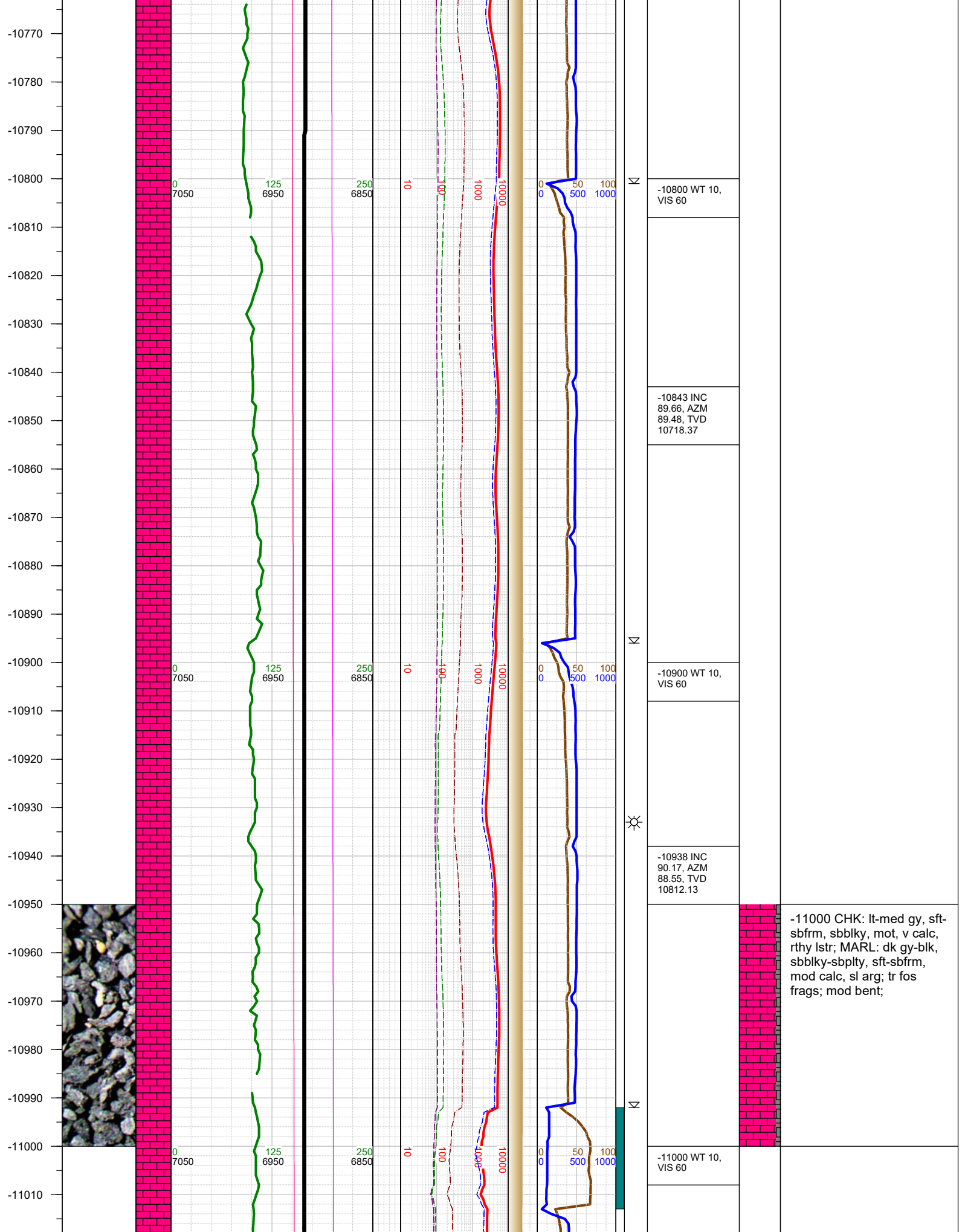
-10000 CHK: lt-med gy, sft-
sbfrm, sbblky, mot, v calc,
rthy lstr; MARL: dk gy-blk,
sbblky-sbplty, sft-sbfrm,
mod calc, sl arg; tr fos
frags; tr py;

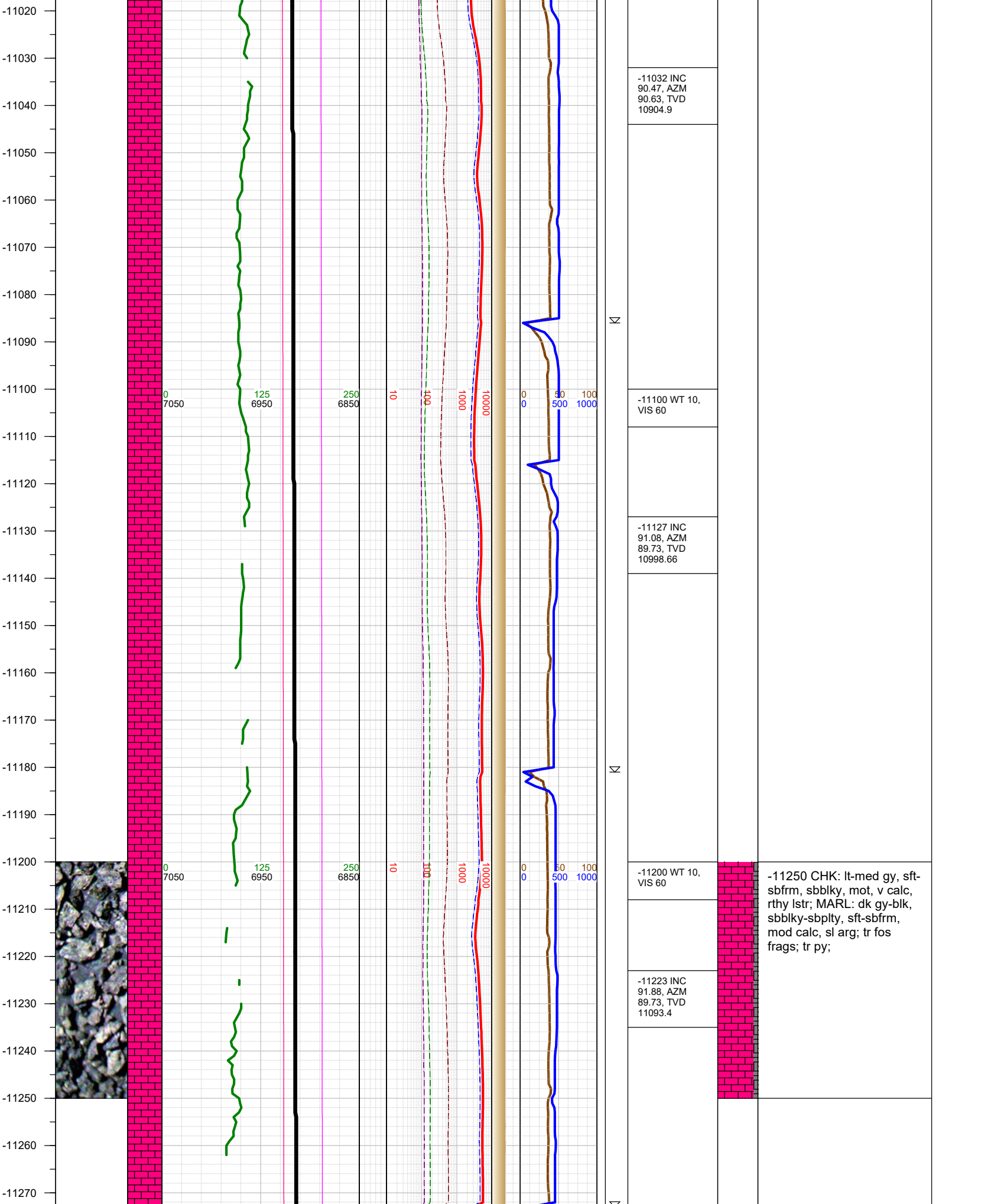
-9987 INC 90.6,
AZM 88.72,
TVD 9873.57

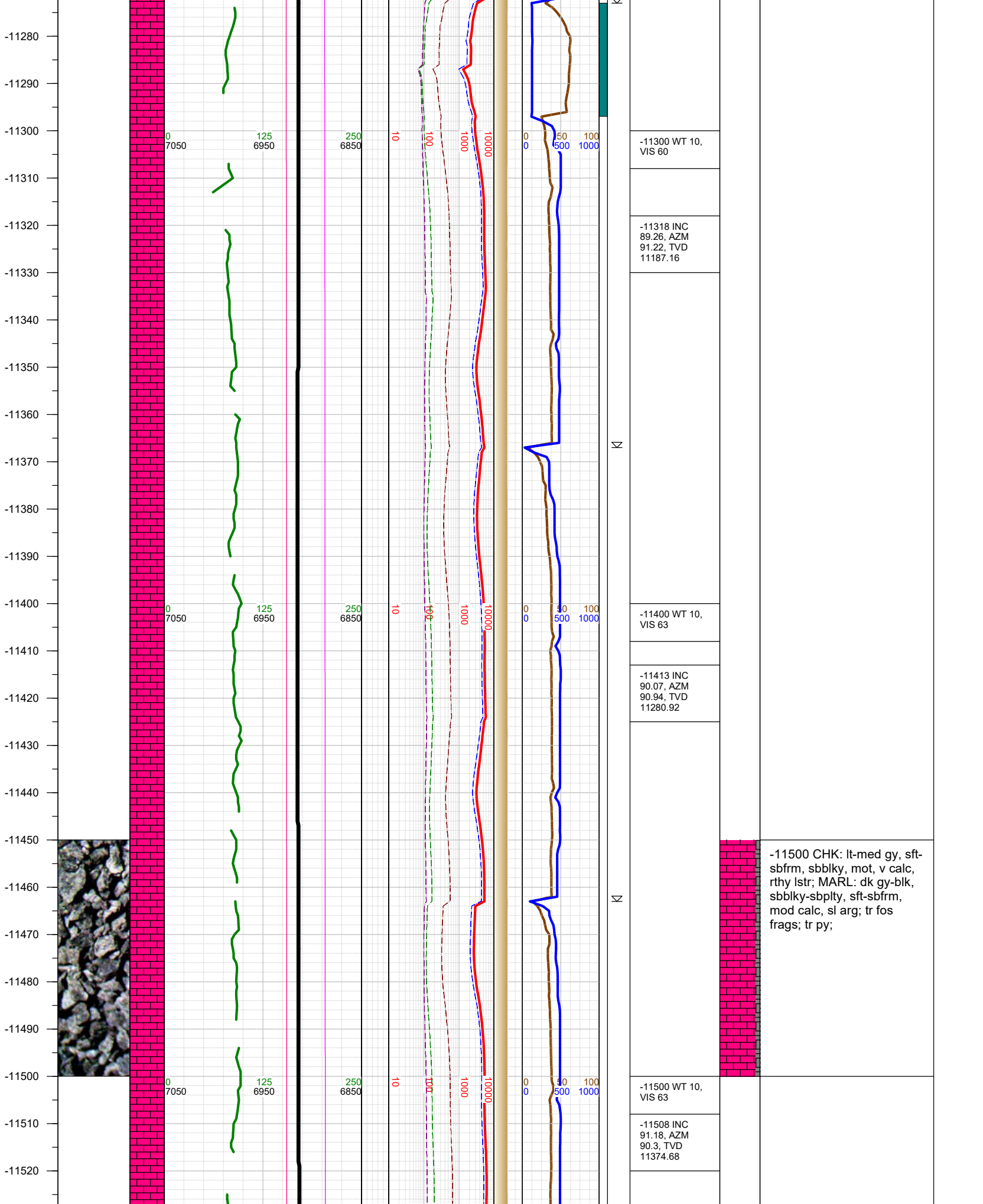




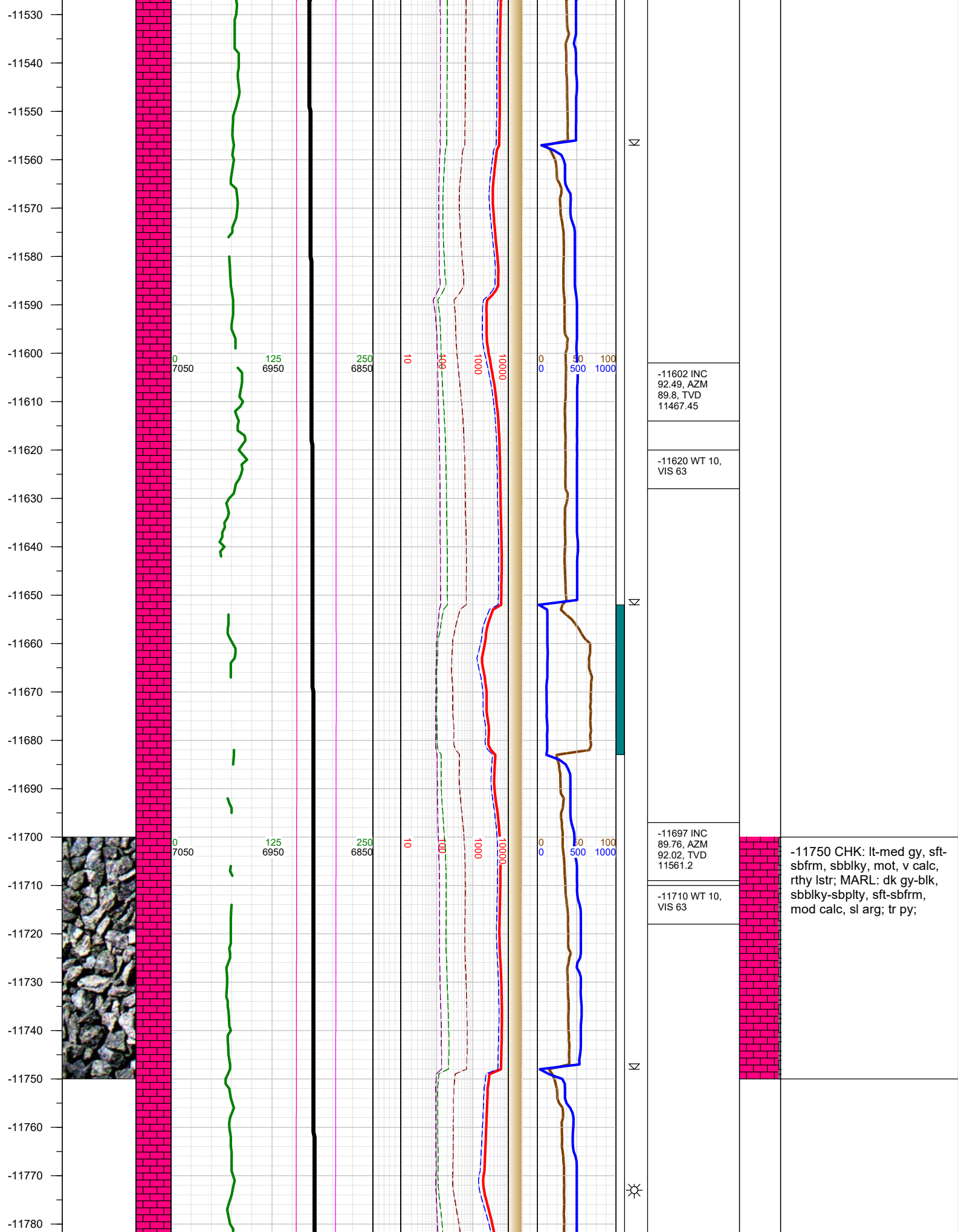
-10500 CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr fos frags; tr py;

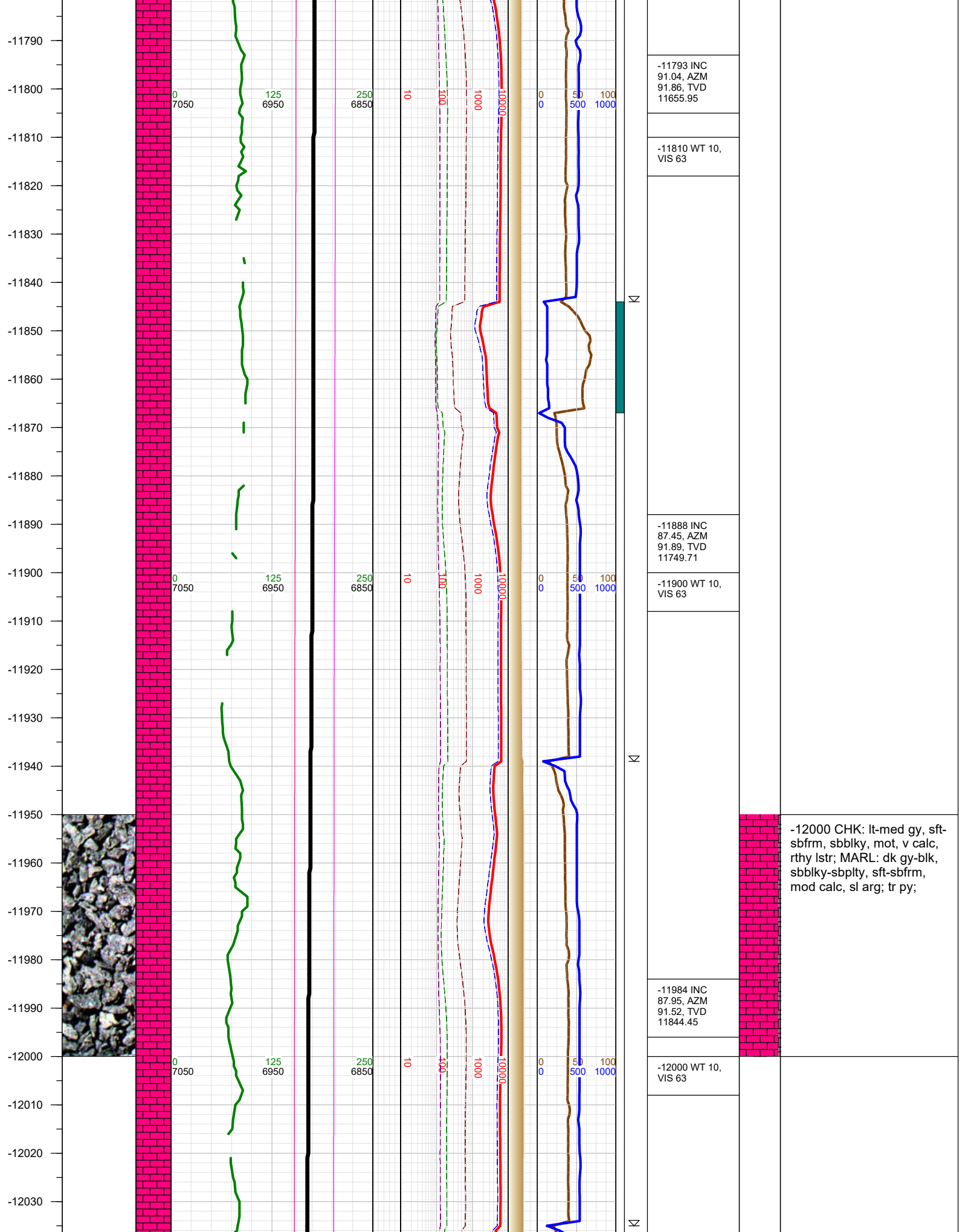


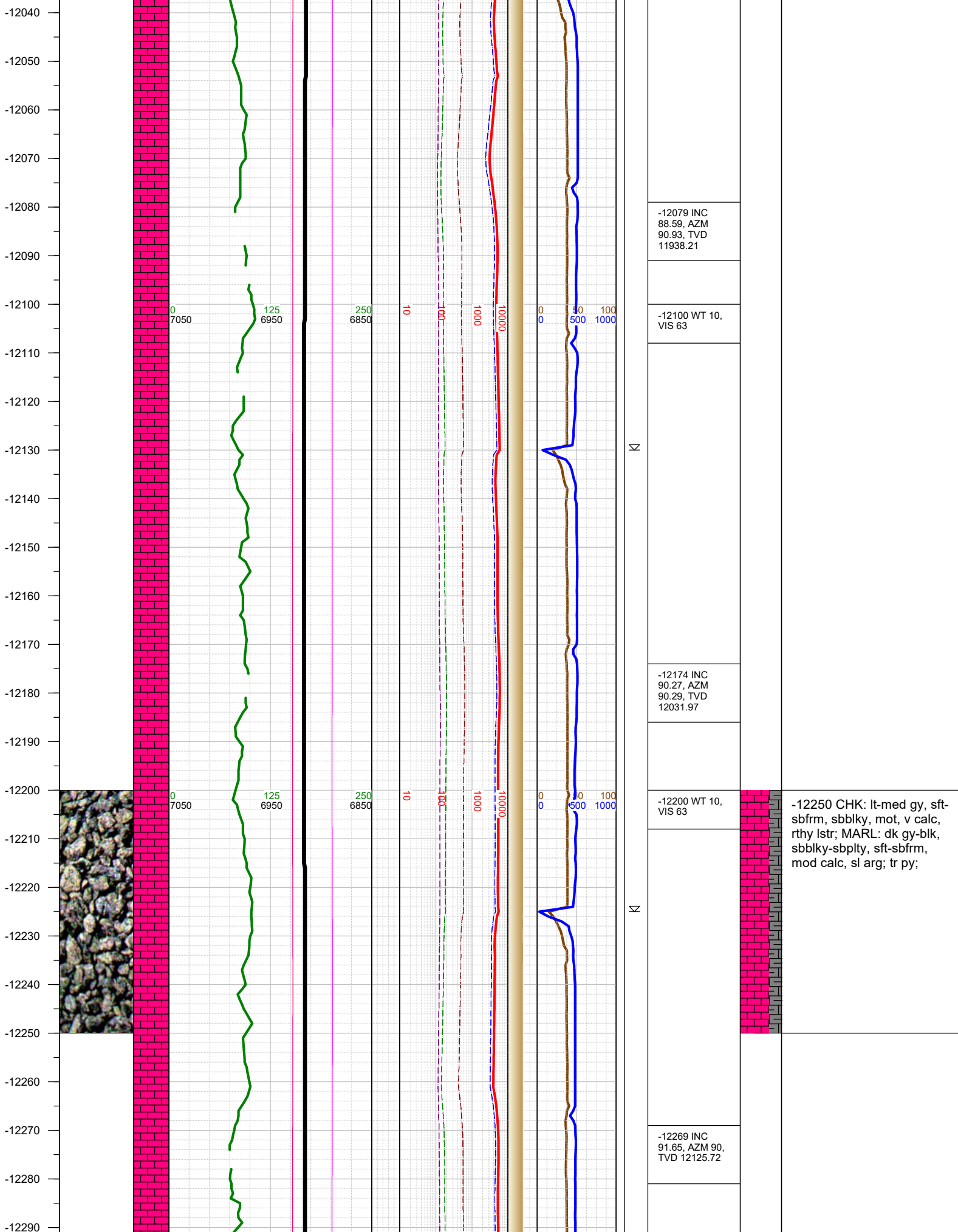




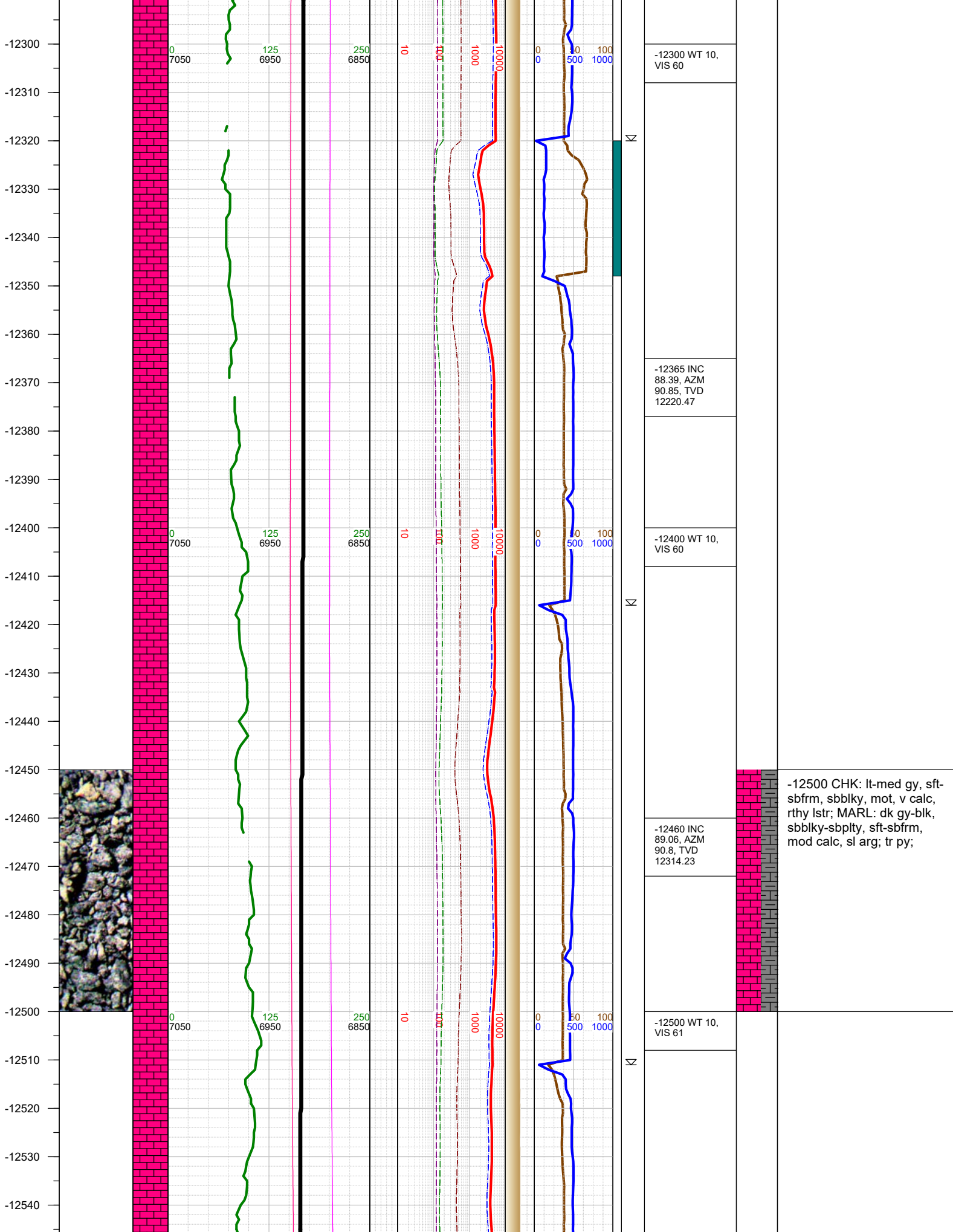
-11500 CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr fos frags; tr py;



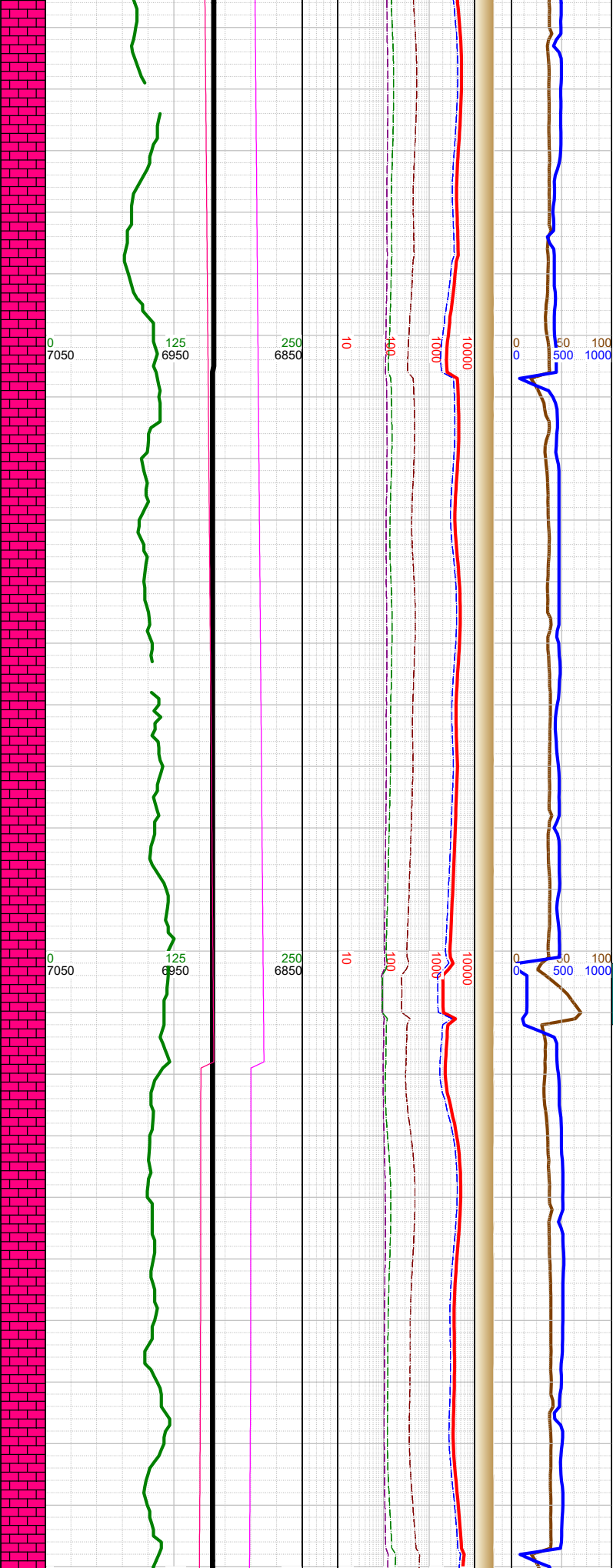
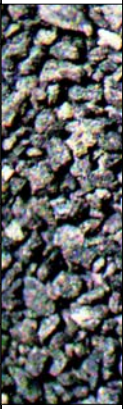




-12250 CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr py;



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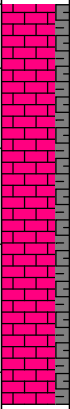
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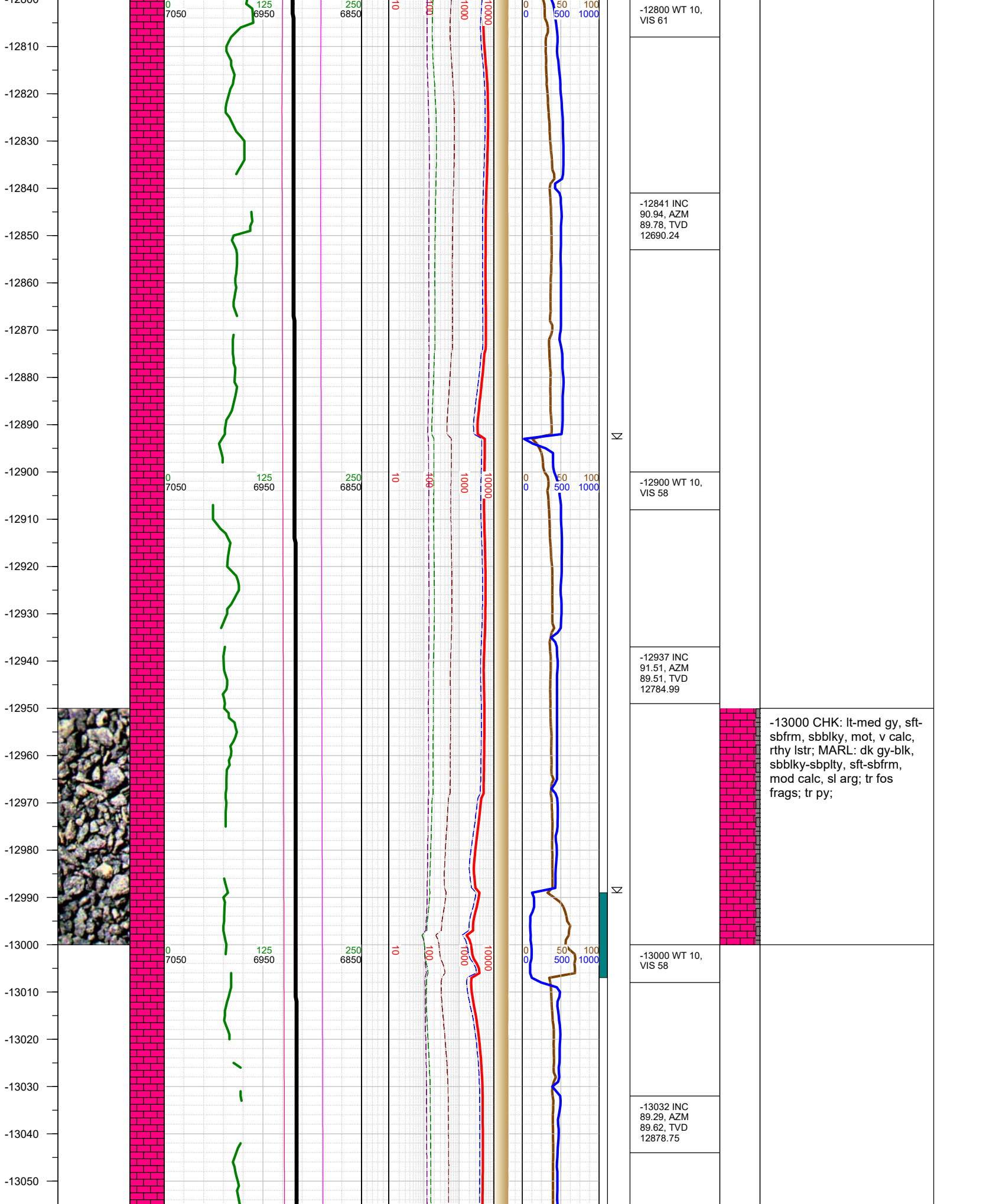
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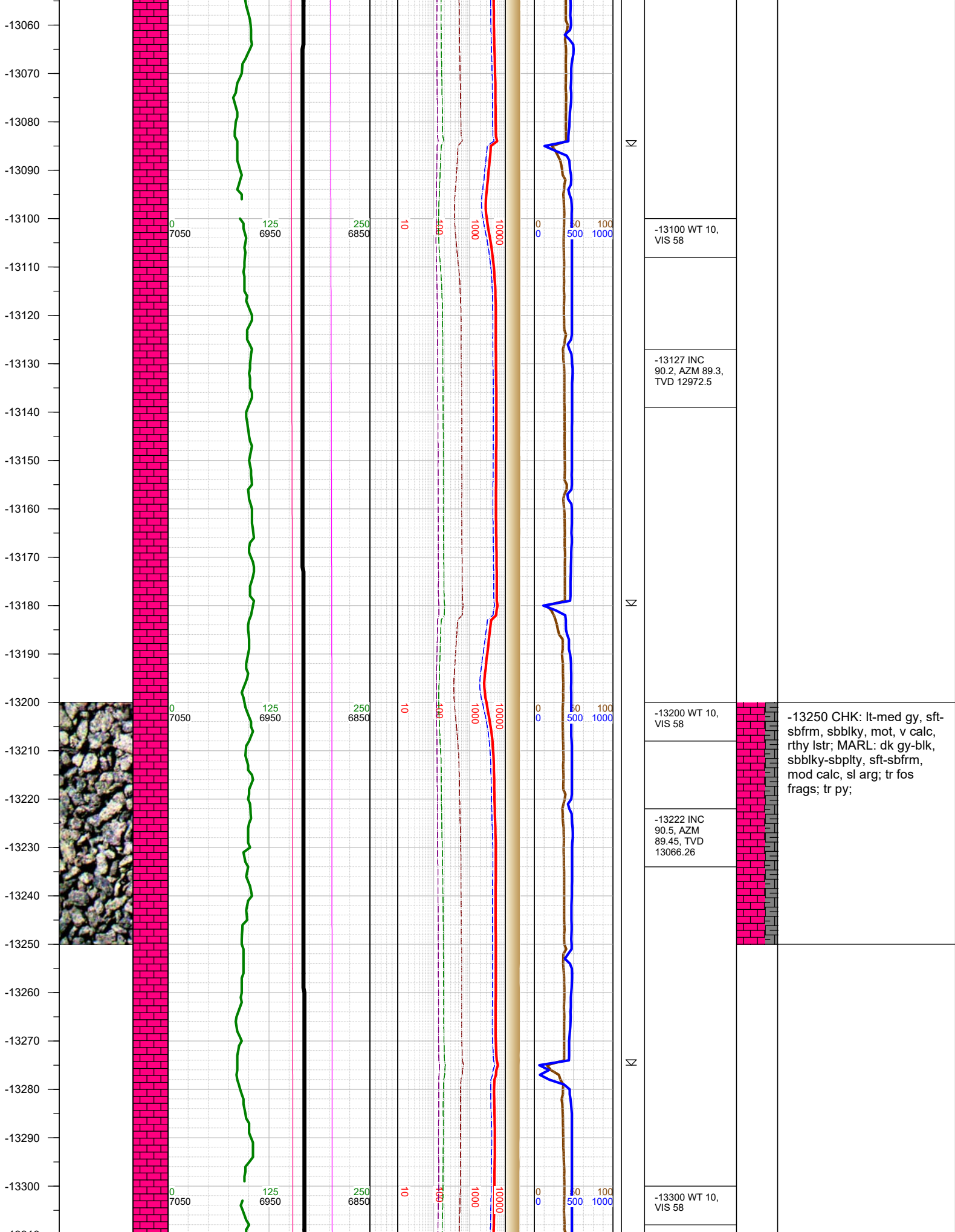
	-12556 INC 89.4, AZM 90.63, TVD 12408.97
	-12600 WT 10, VIS 61
	-12650 INC 89.4, AZM 90.18, TVD 12501.74
	-12700 WT 10, VIS 61
	-12718 Fault: 10' down-throw; stayed in B2 Chalk
	-12746 INC 90.37, AZM 90.14, TVD 12596.49

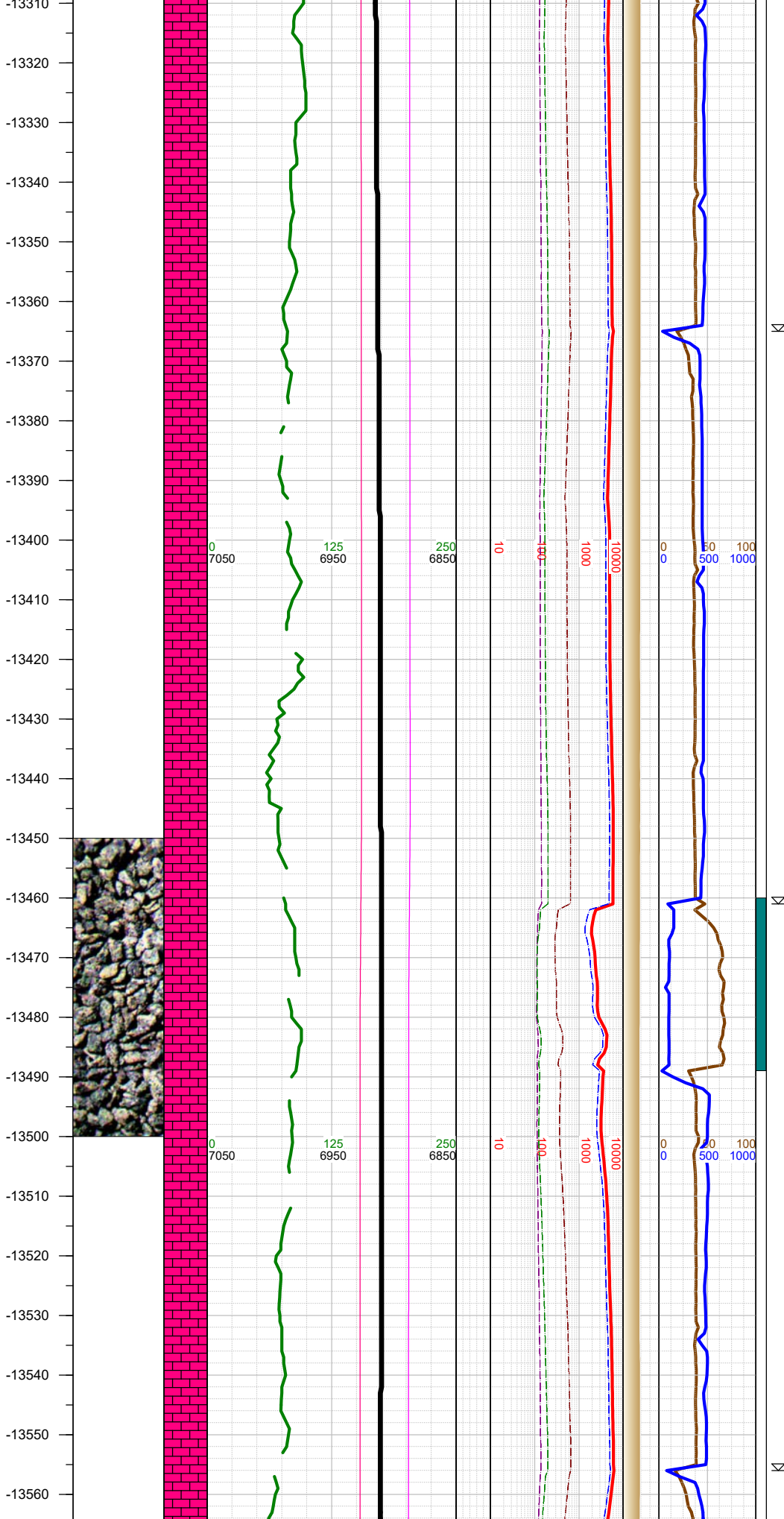


-12750 CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr fos frags; tr py;



-13000 CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr fos frags; tr py;





-13317 INC
91.65, AZM
89.01, TVD
13160.02

-13400 WT 10,
VIS 56

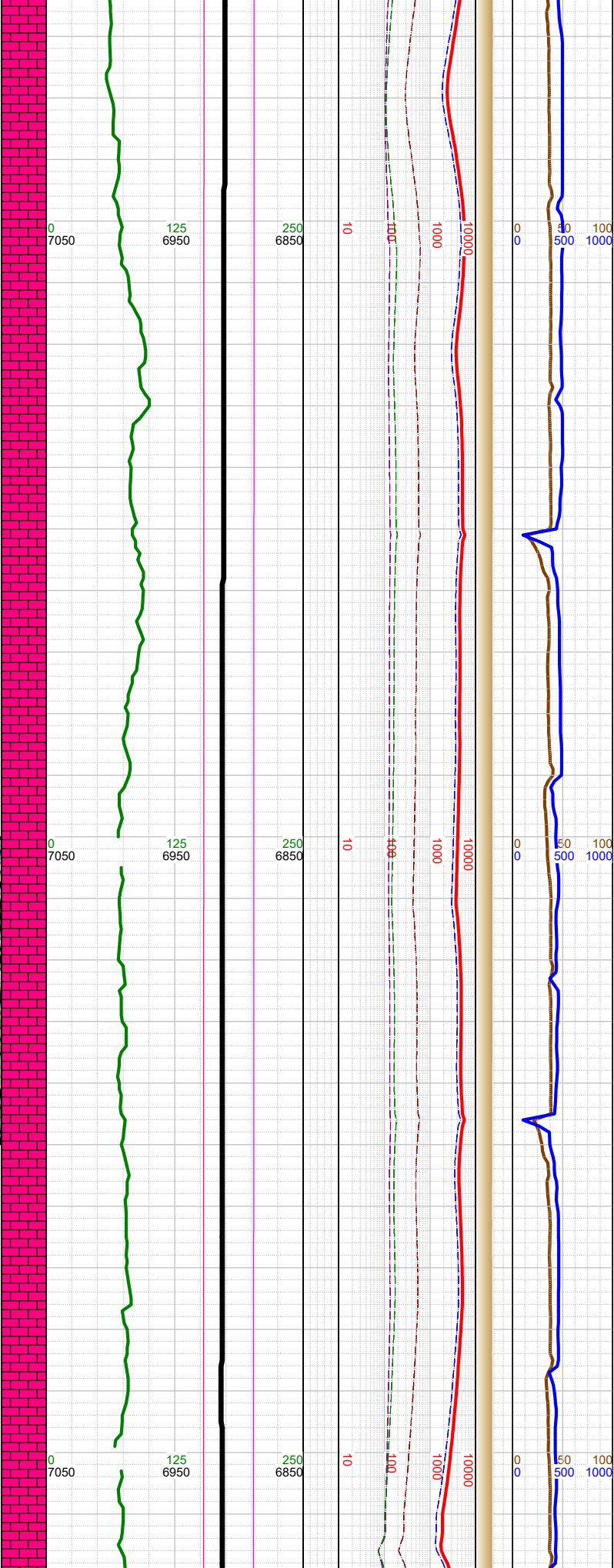
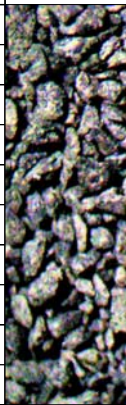
-13411 INC
92.59, AZM
88.58, TVD
13252.79

-13500 CHK: lt-med gy, sft-
sbfrm, sbblky, mot, v calc,
rthy lstr; MARL: dk gy-blk,
sbblky-sbplty, sft-sbfrm,
mod calc, sl arg; tr fos
frags; tr py;

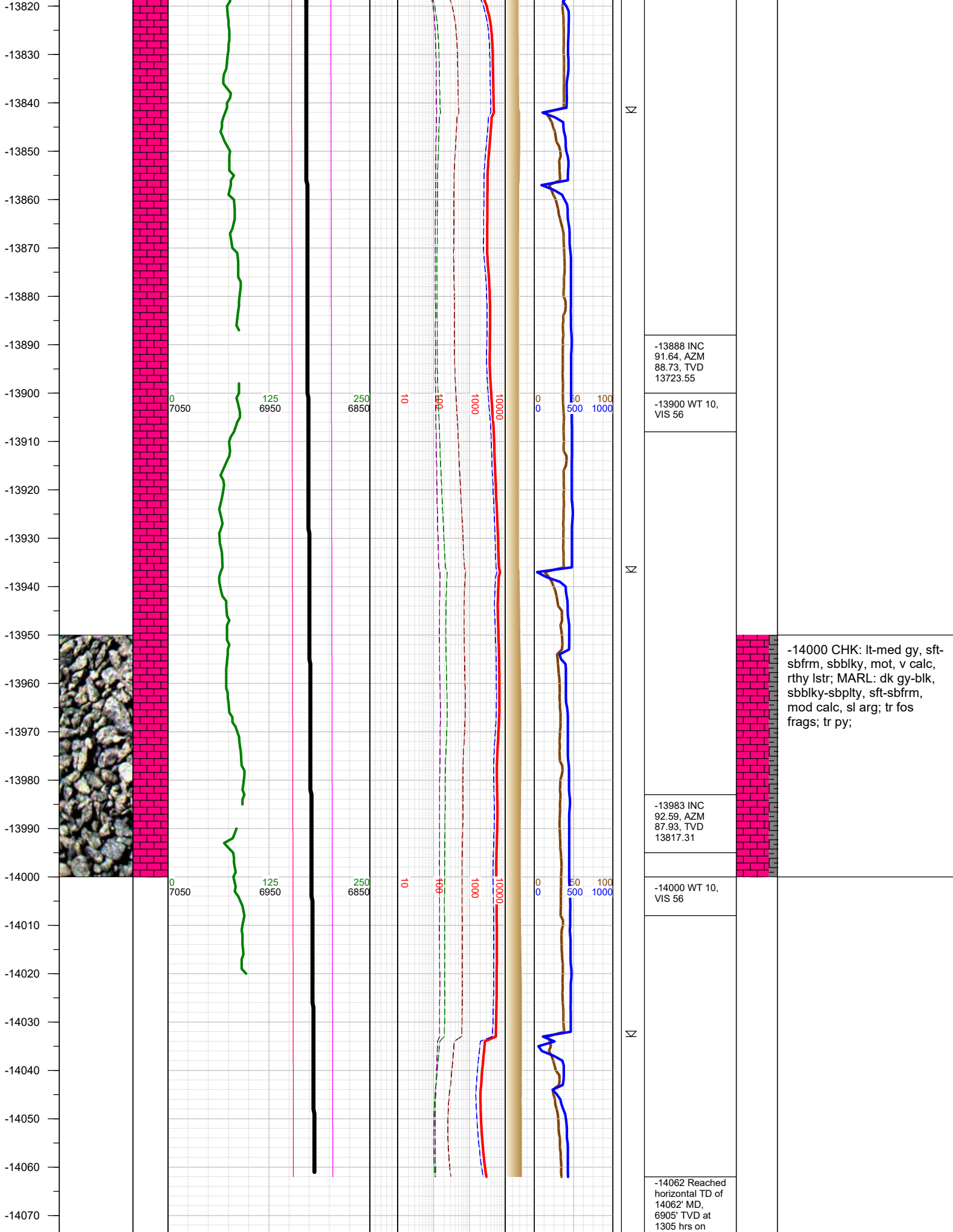
-13507 INC
88.76, AZM
89.9, TVD
13347.54

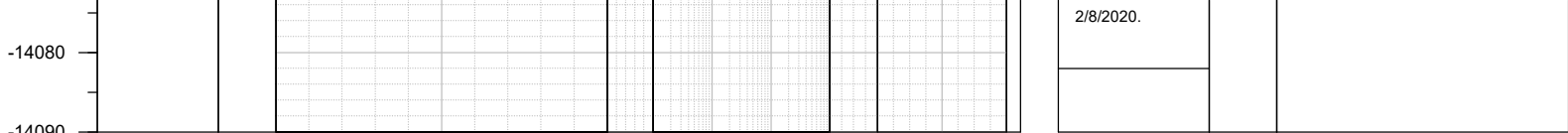
-13520 WT 10,
VIS 56

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-13810



☀	-13602 INC 89.03, AZM 89.71, TVD 13441.29	
	-13620 WT 10, VIS 56	
☀	-13698 INC 89.23, AZM 89.52, TVD 13536.04	-13750 CHK: lt-med gy, sft- sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr fos frags; tr py;
	-13710 WT 10, VIS 56	
☀	-13793 INC 90.24, AZM 88.48, TVD 13629.79	
	-13810 WT 10, VIS 56	





TOTAL DEPTH = 14062'

Thank you for using Earth Science Agency