

OPERATOR: **Extraction Oil & Gas**

WELL NAME: **GP Cody 20E-15-4N**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Patterson 901

API #: 05-123-50283

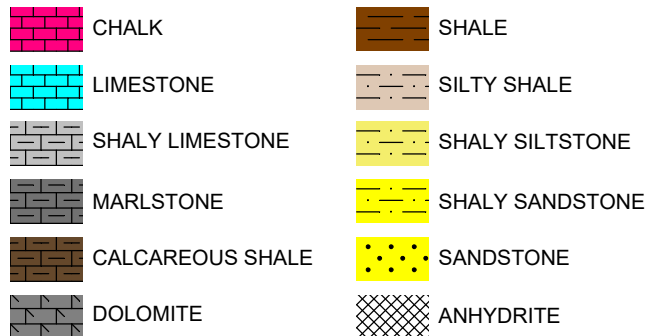
LAT/LONG: 40.38992, -104.68251
SURFACE HOLE: NENE S20-T5N-R65W, 706' FNL, 1605' FEL
BOTTOM HOLE: S22-T5N-R65W, 897' FNL, 200' FWL



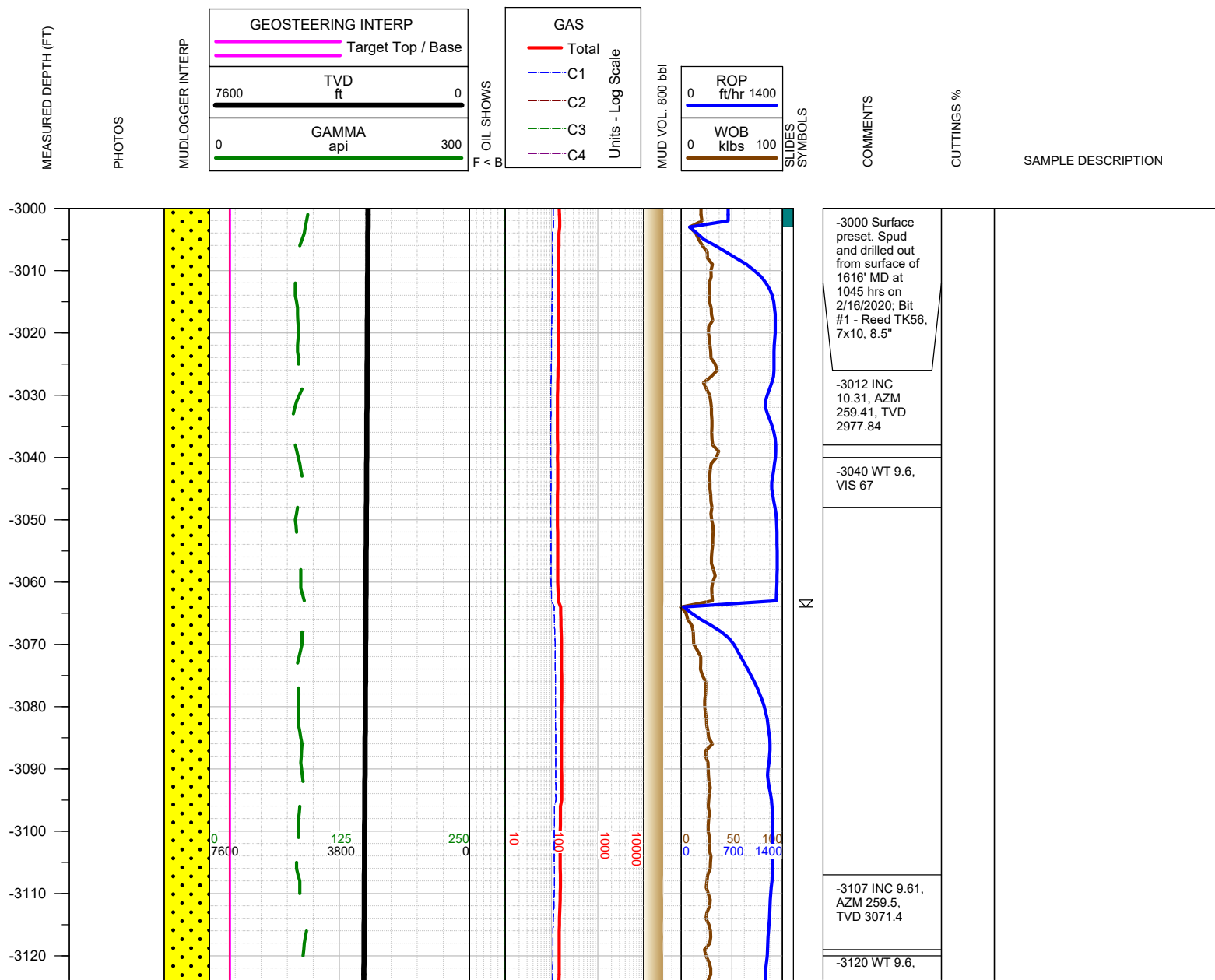
Earth Science Agency, LLC

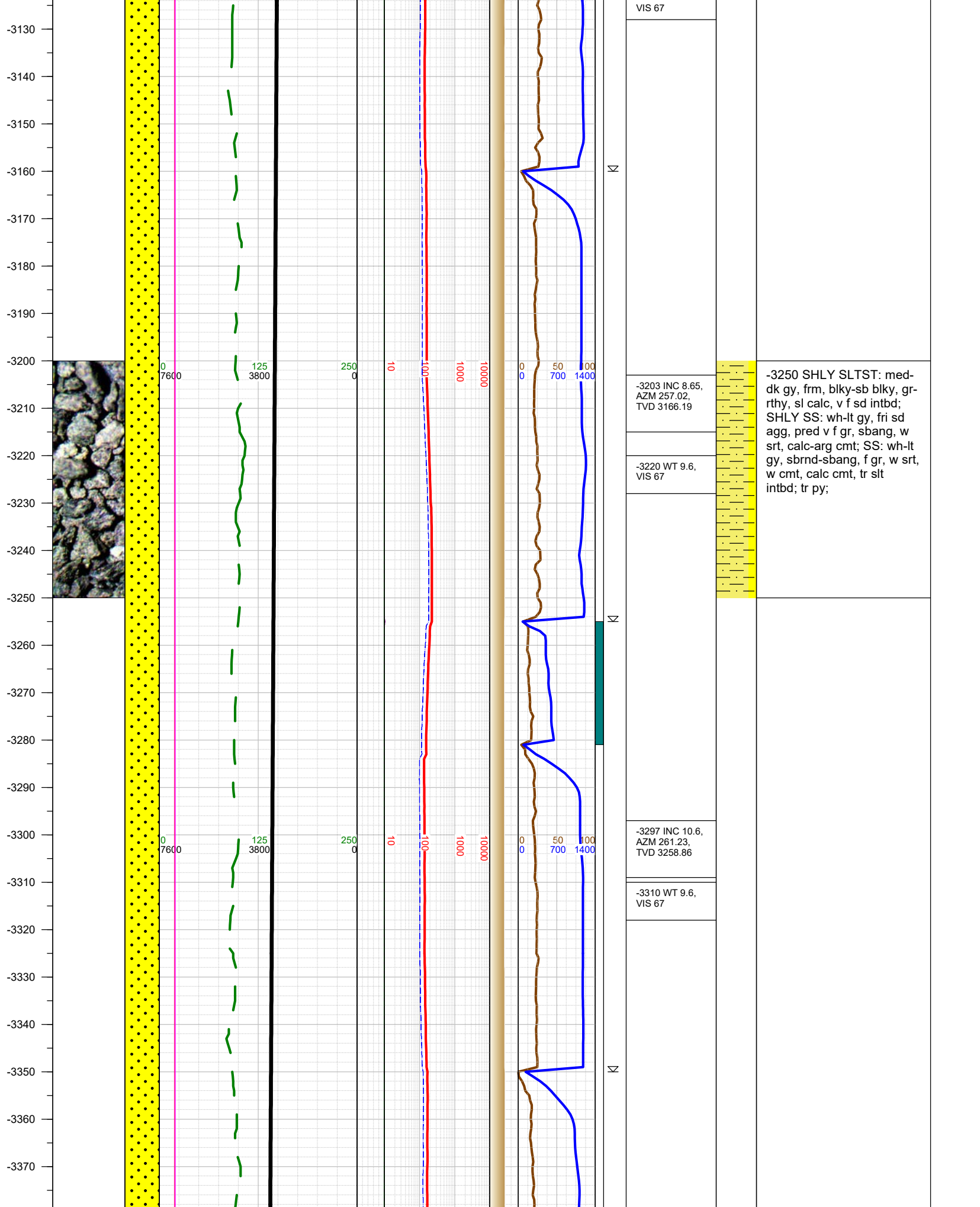
COUNTY: Broomfield
STATE: Colorado
GROUND ELEVATION: 4673'
KELLY BUSHING: 4702'
DRILLING FLUID: OBM
TVD VS. MD: 6972' / 14476'
SPUD DATE: February 16, 2020
TD DATE: February 18, 2020
DEPTHS LOGGED: 3000' - 14476'
DATES LOGGED: February 16, 2020 - February 18, 2020
GEOLOGISTS: Mitch Weller, Dominic Pitre
SCALE: 5" = 100'

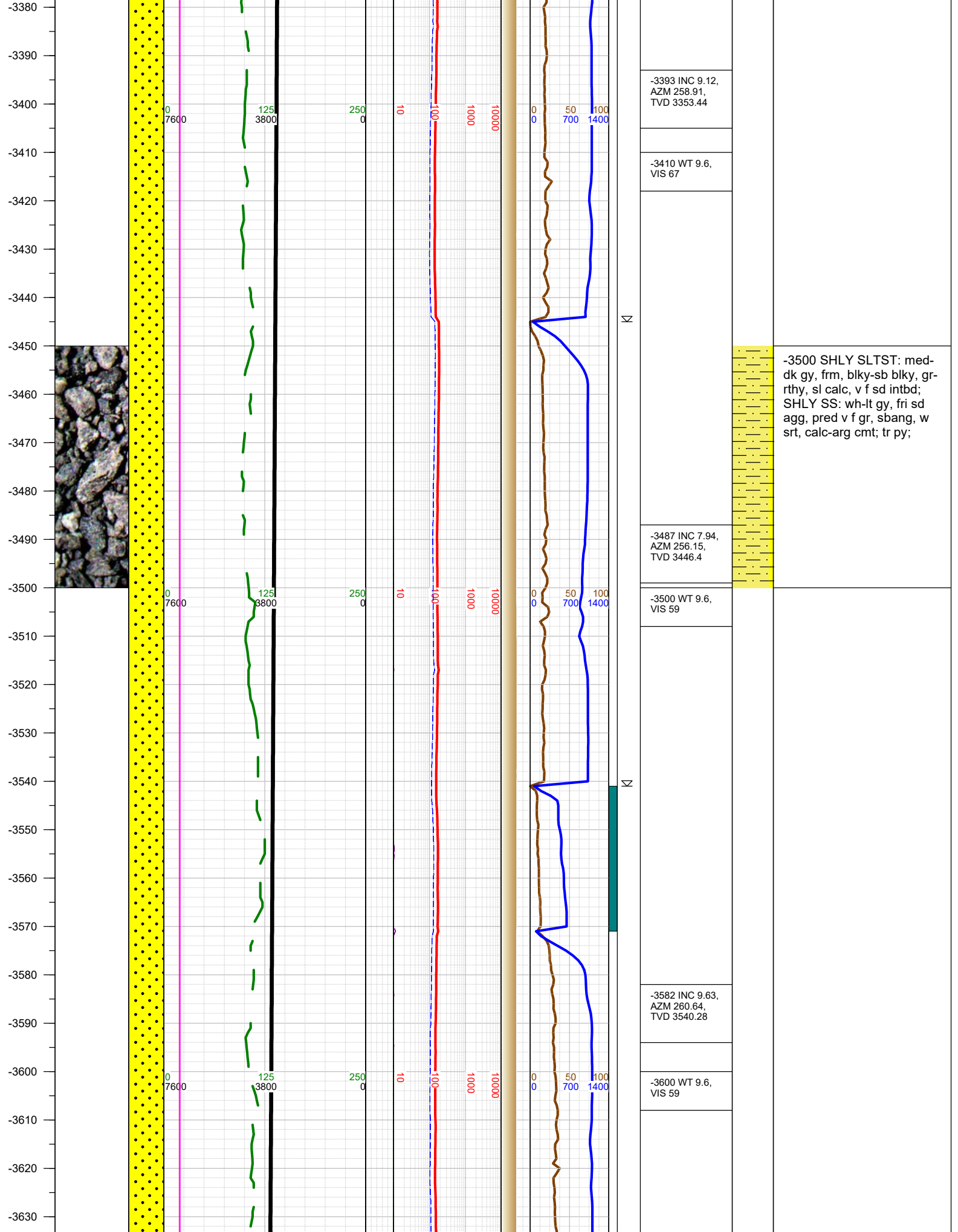
LEGEND

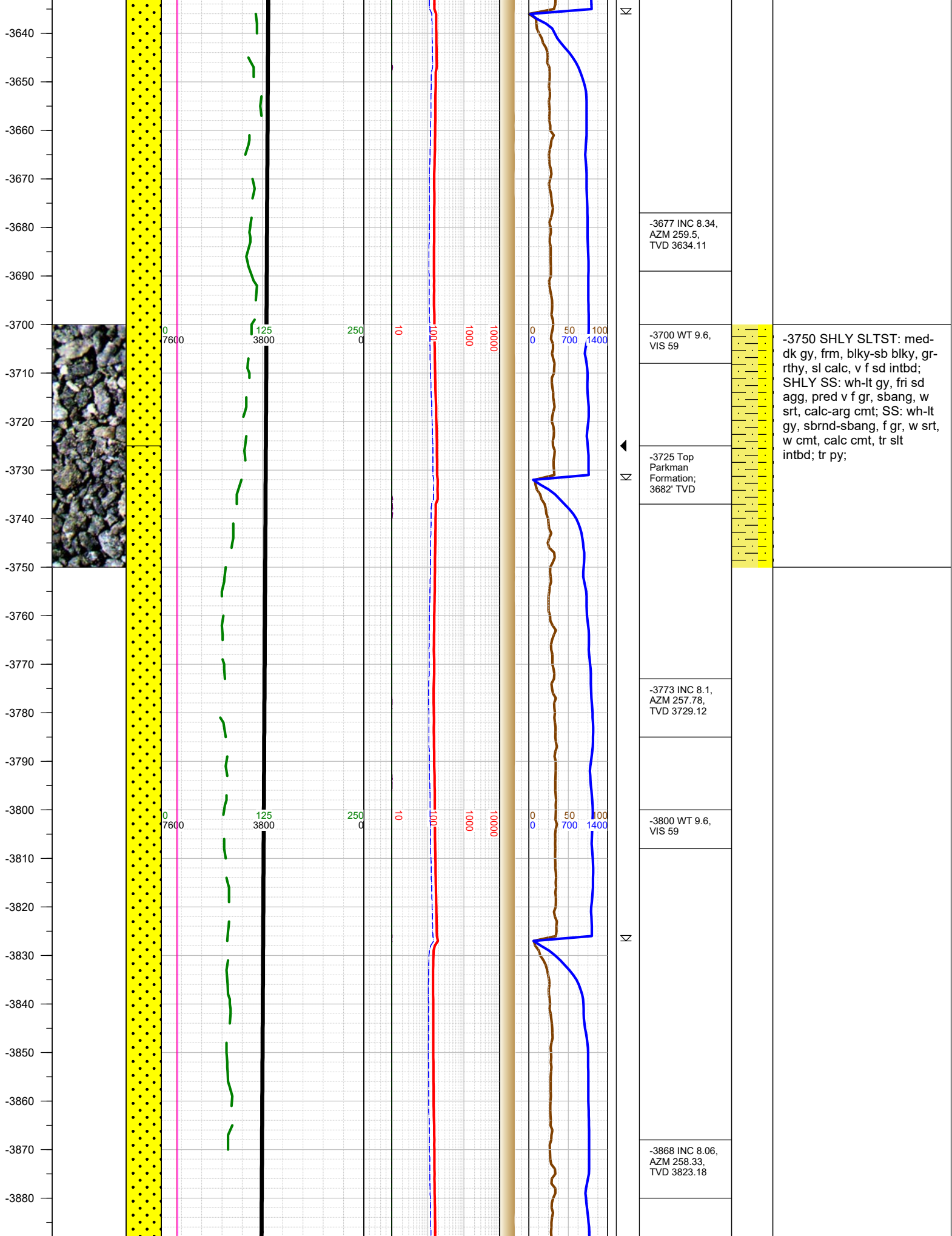


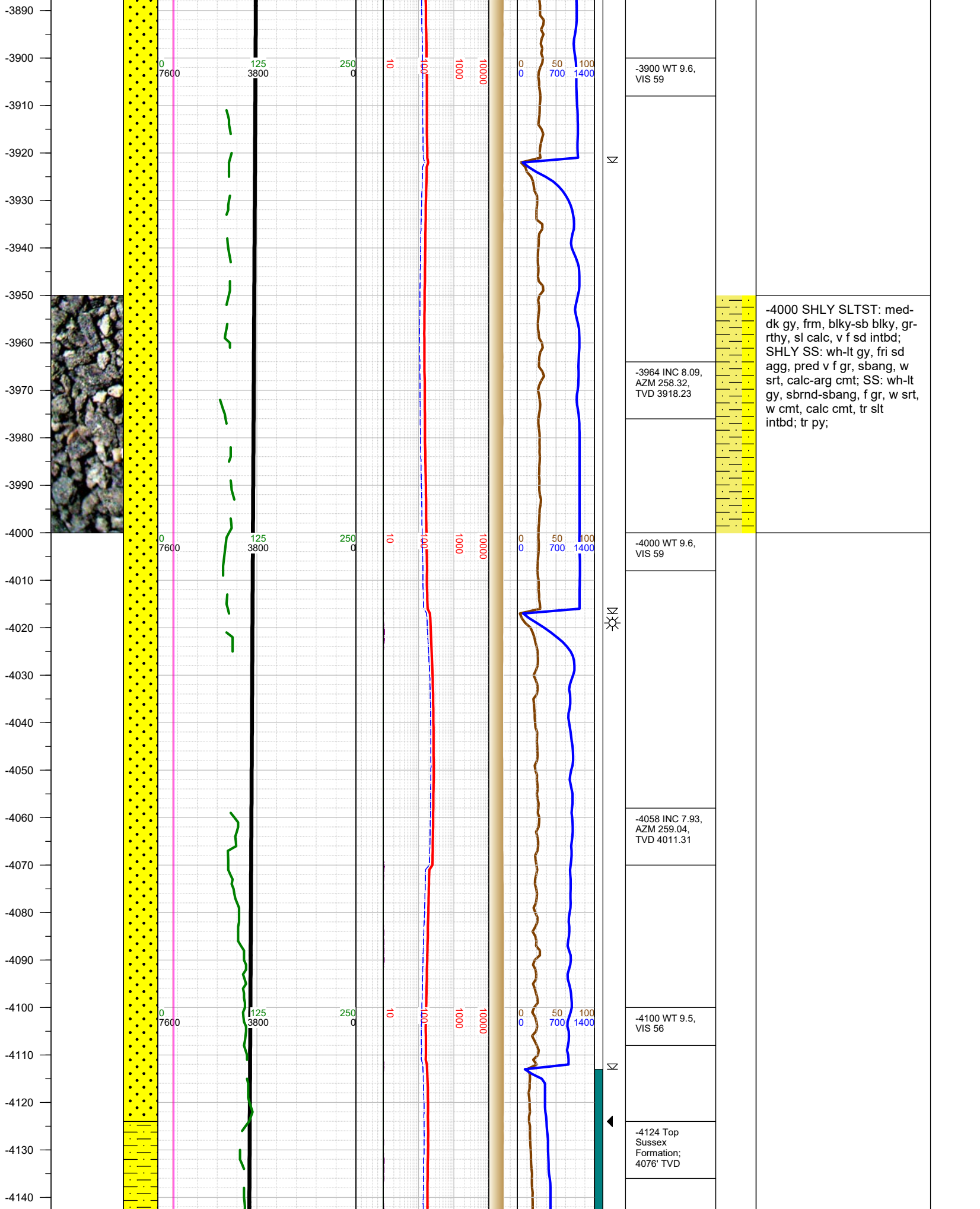
FORMATION \approx CONNECTION Δ MIDNIGHT NEW BIT GAS SHOW FAULT

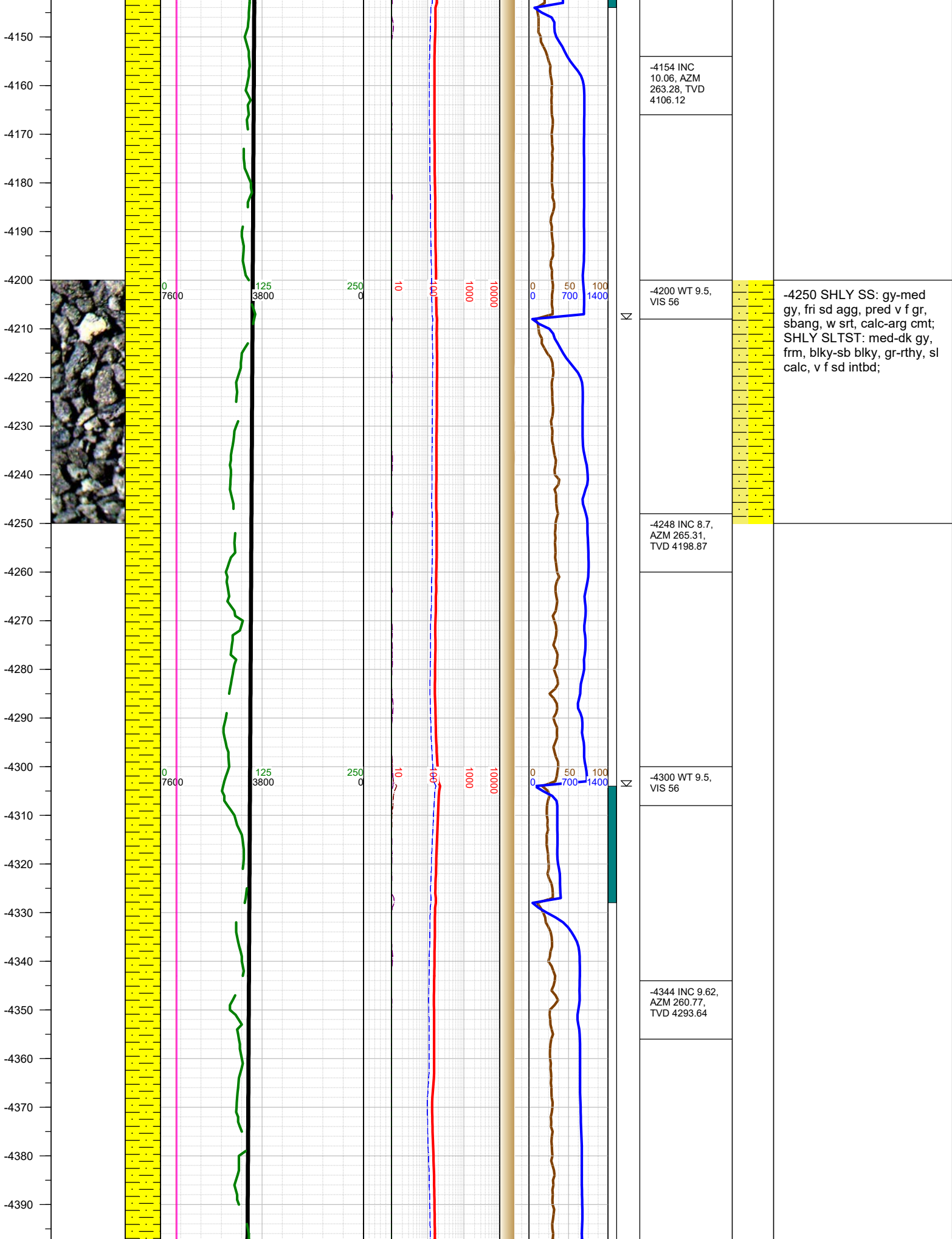


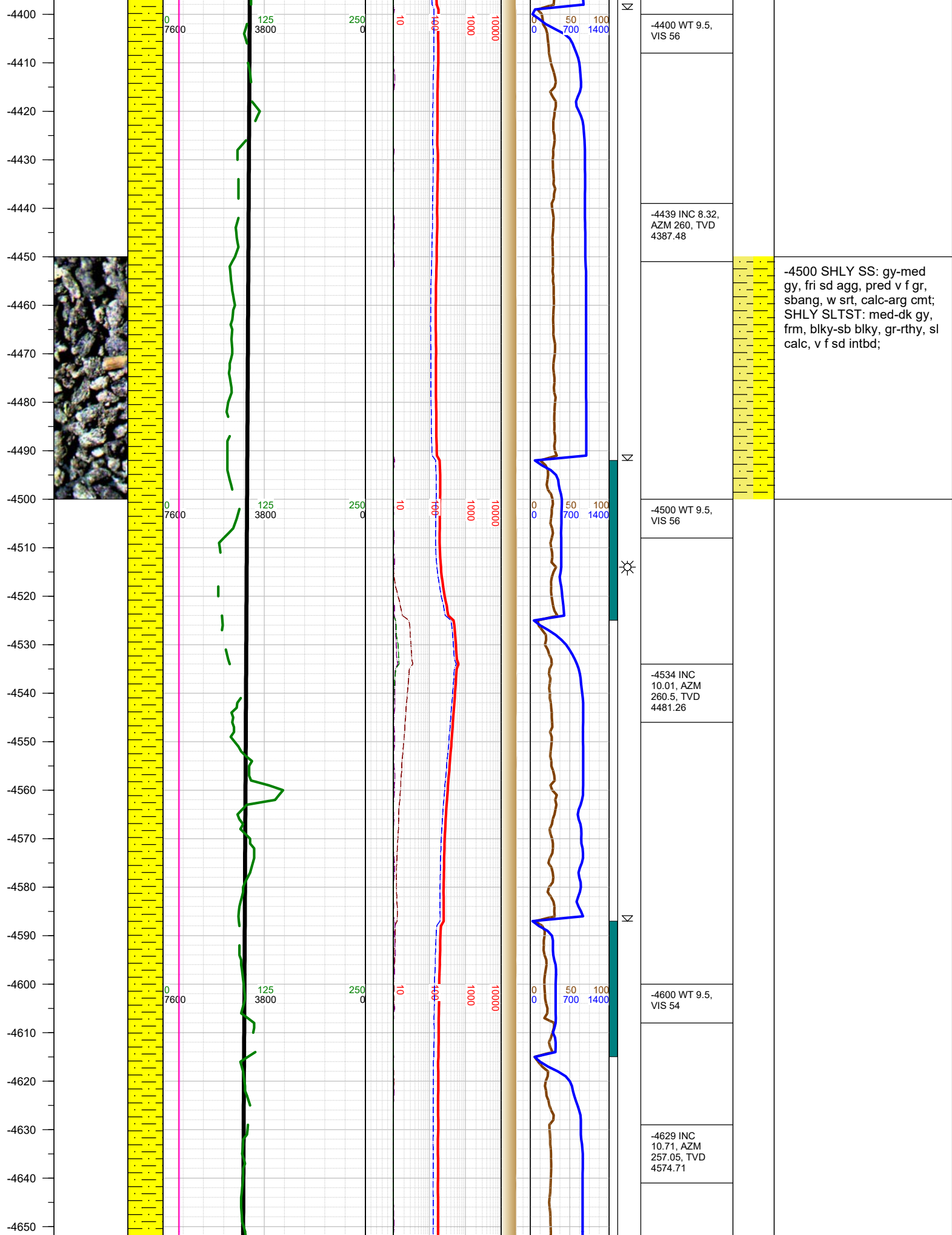


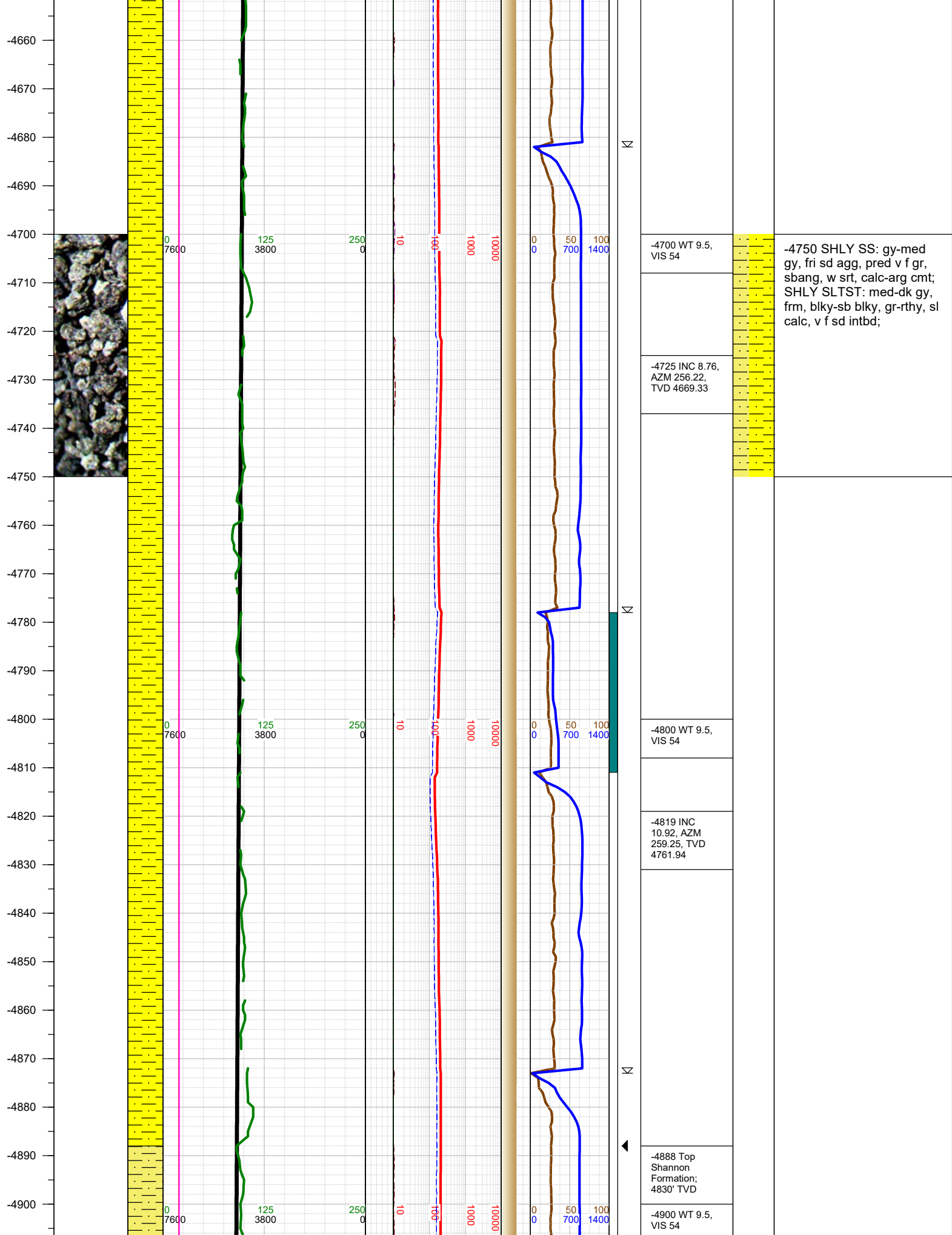


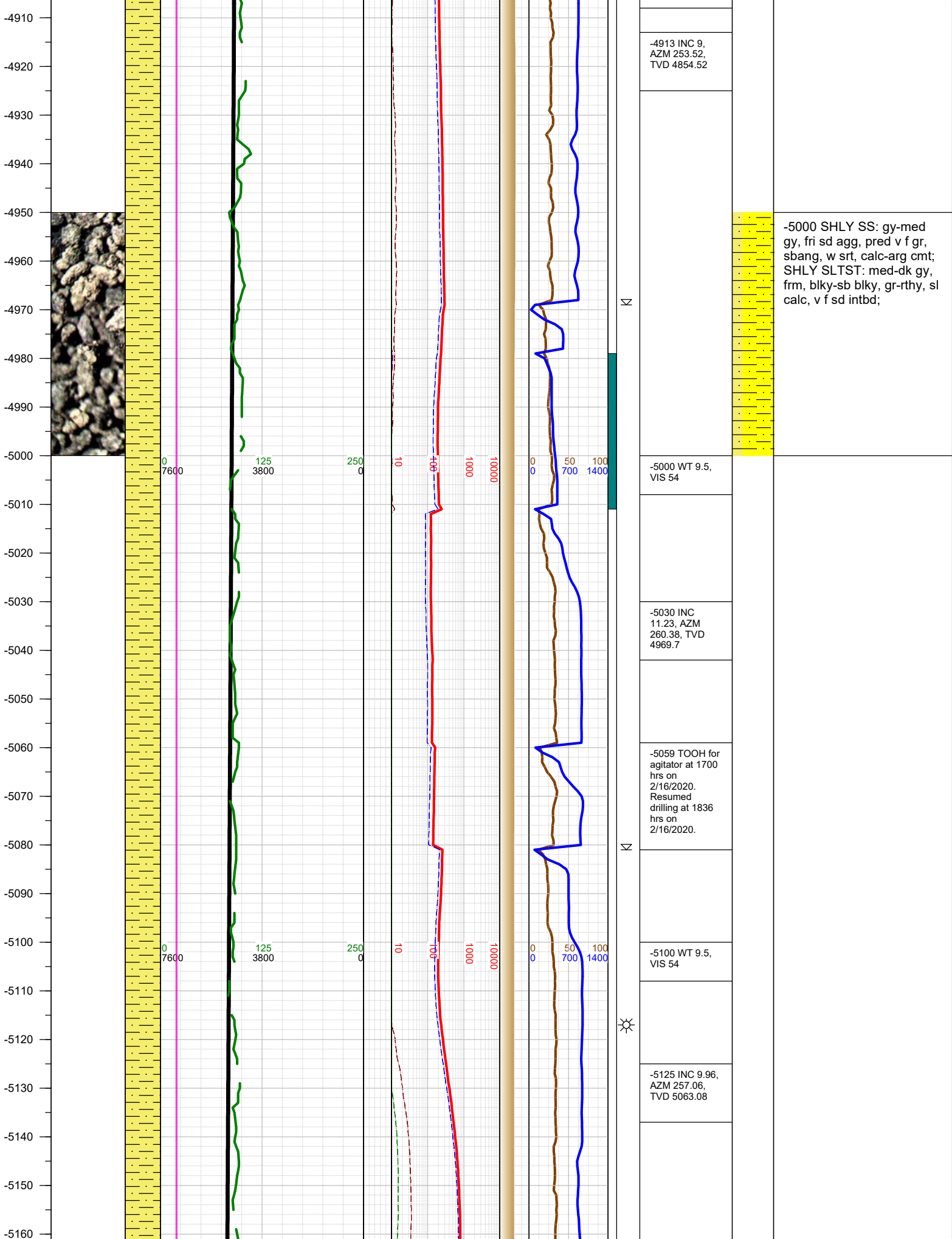


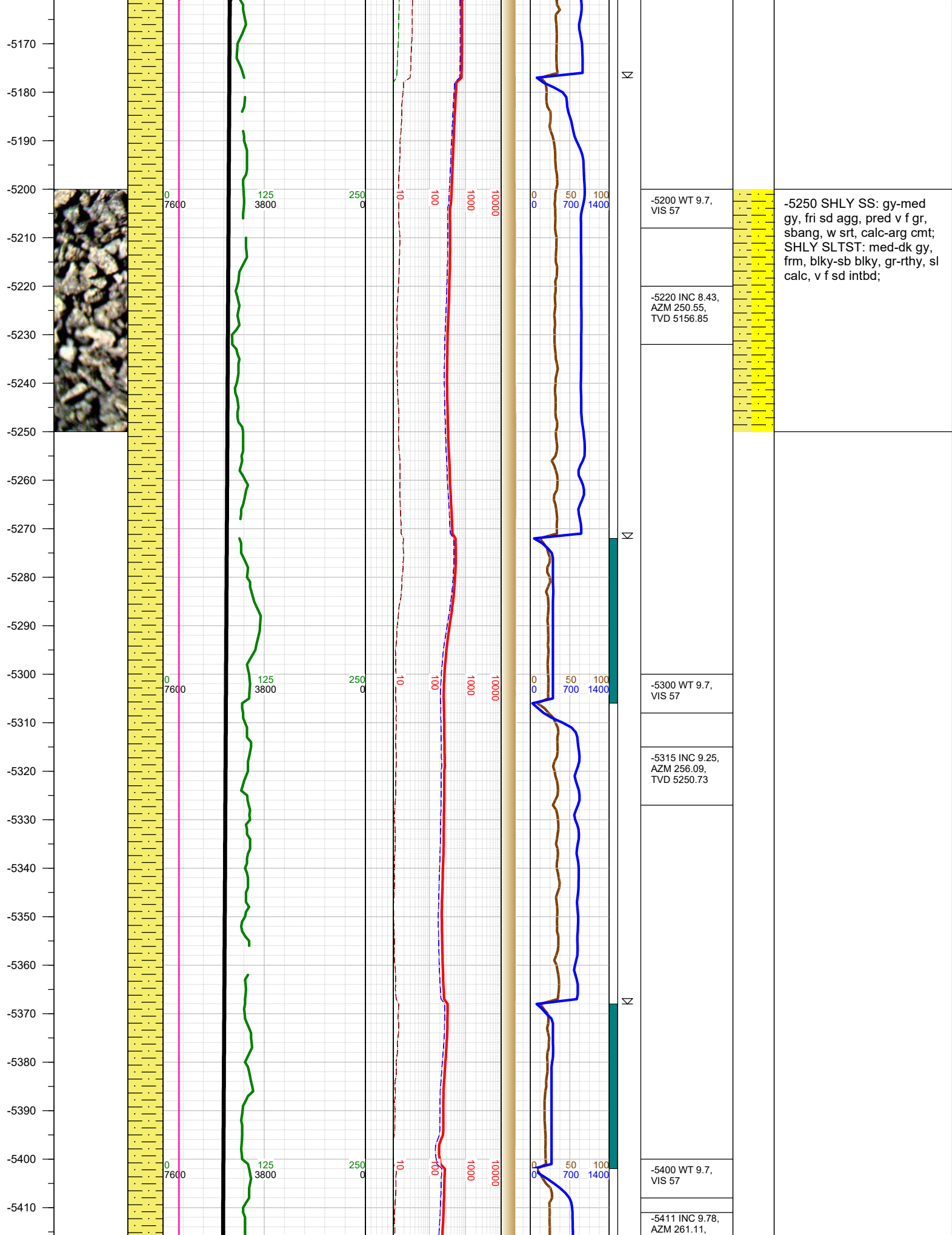


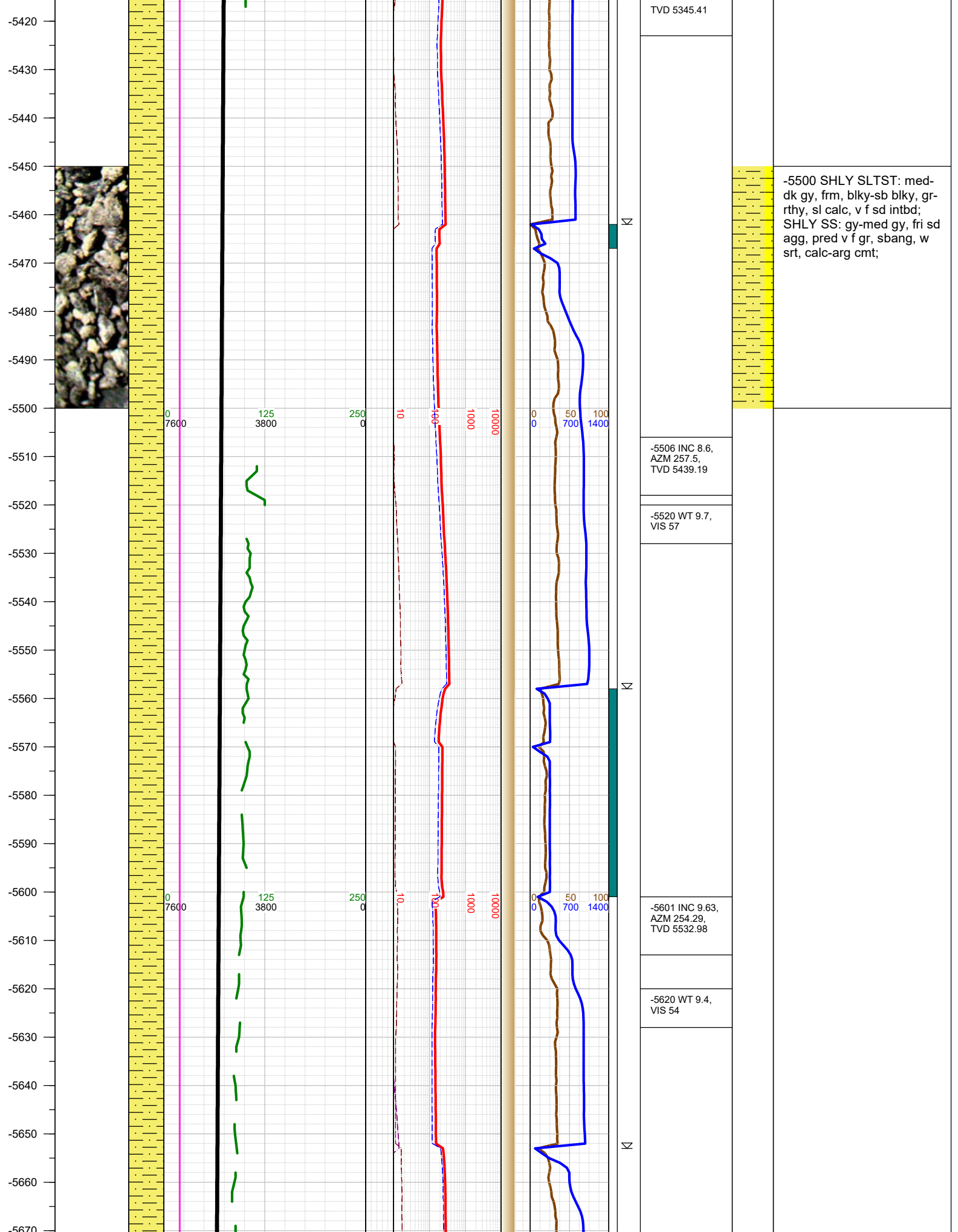


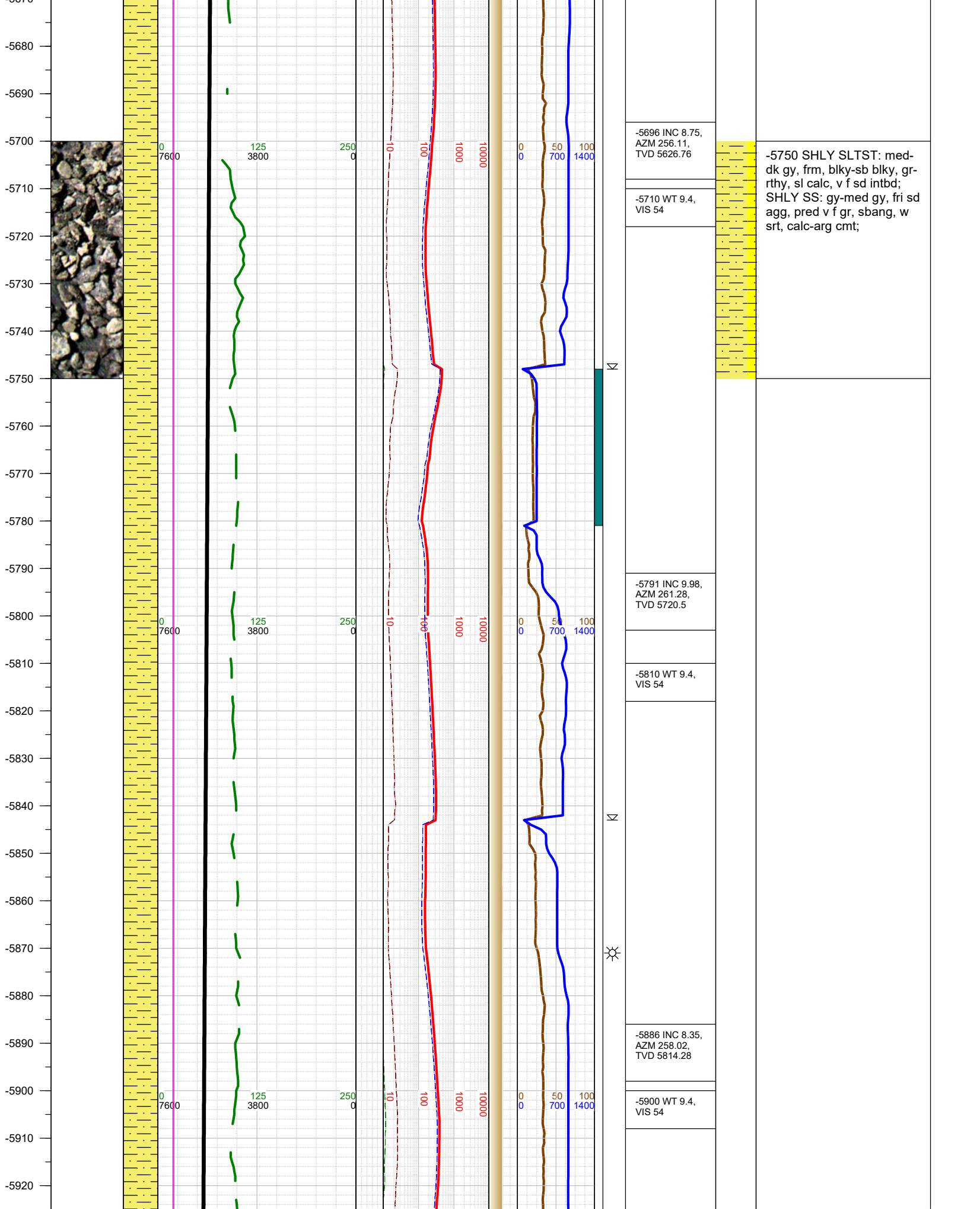


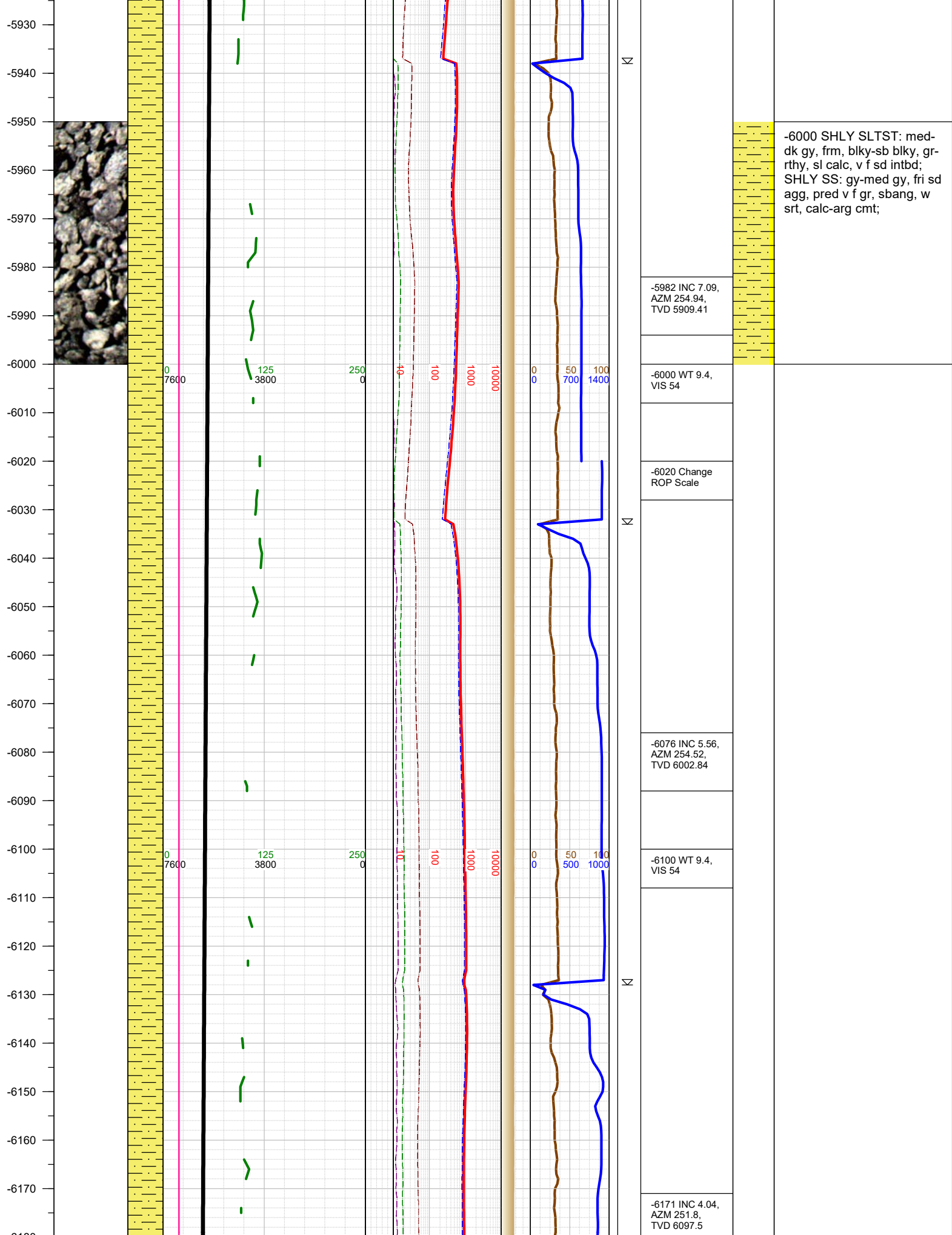




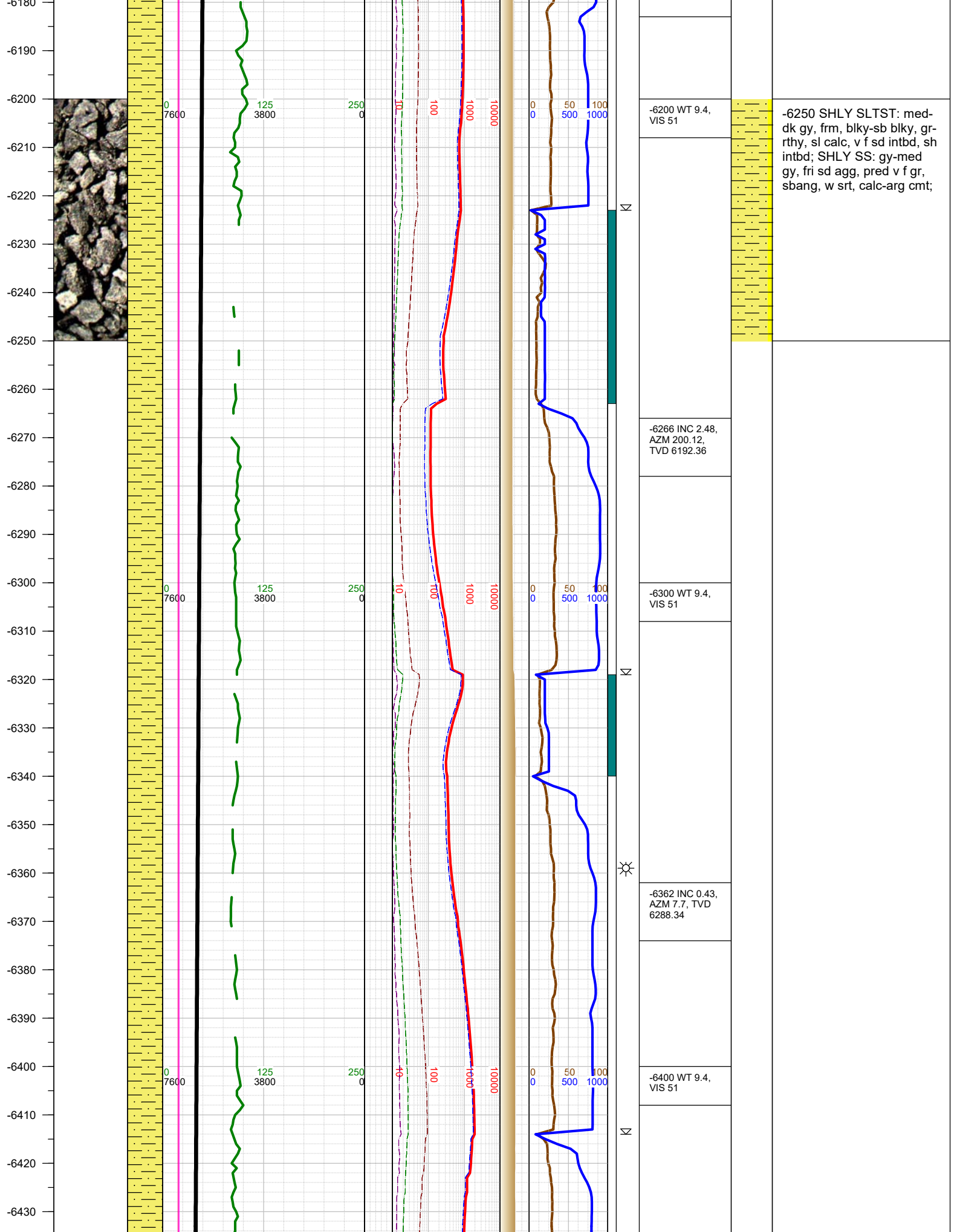


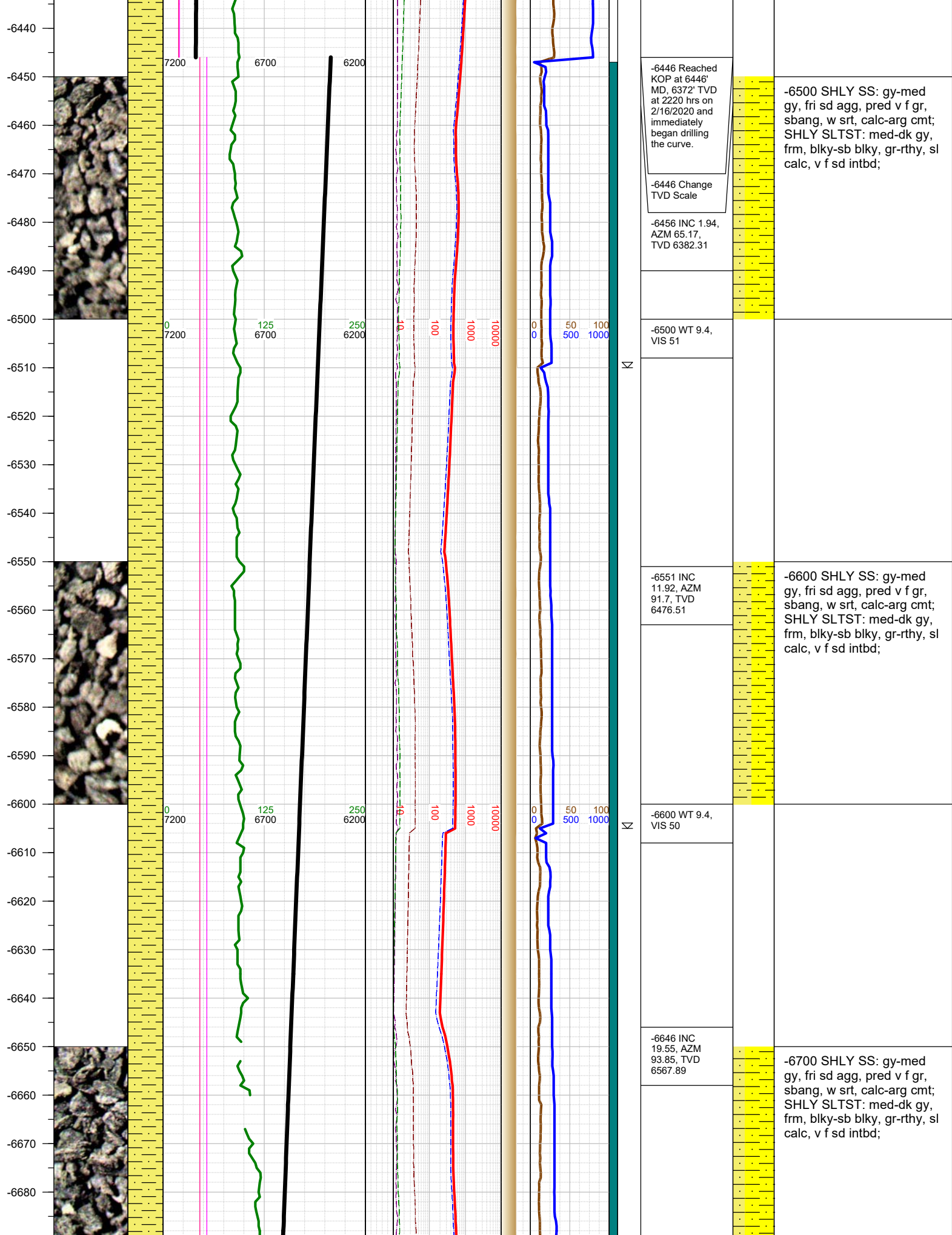


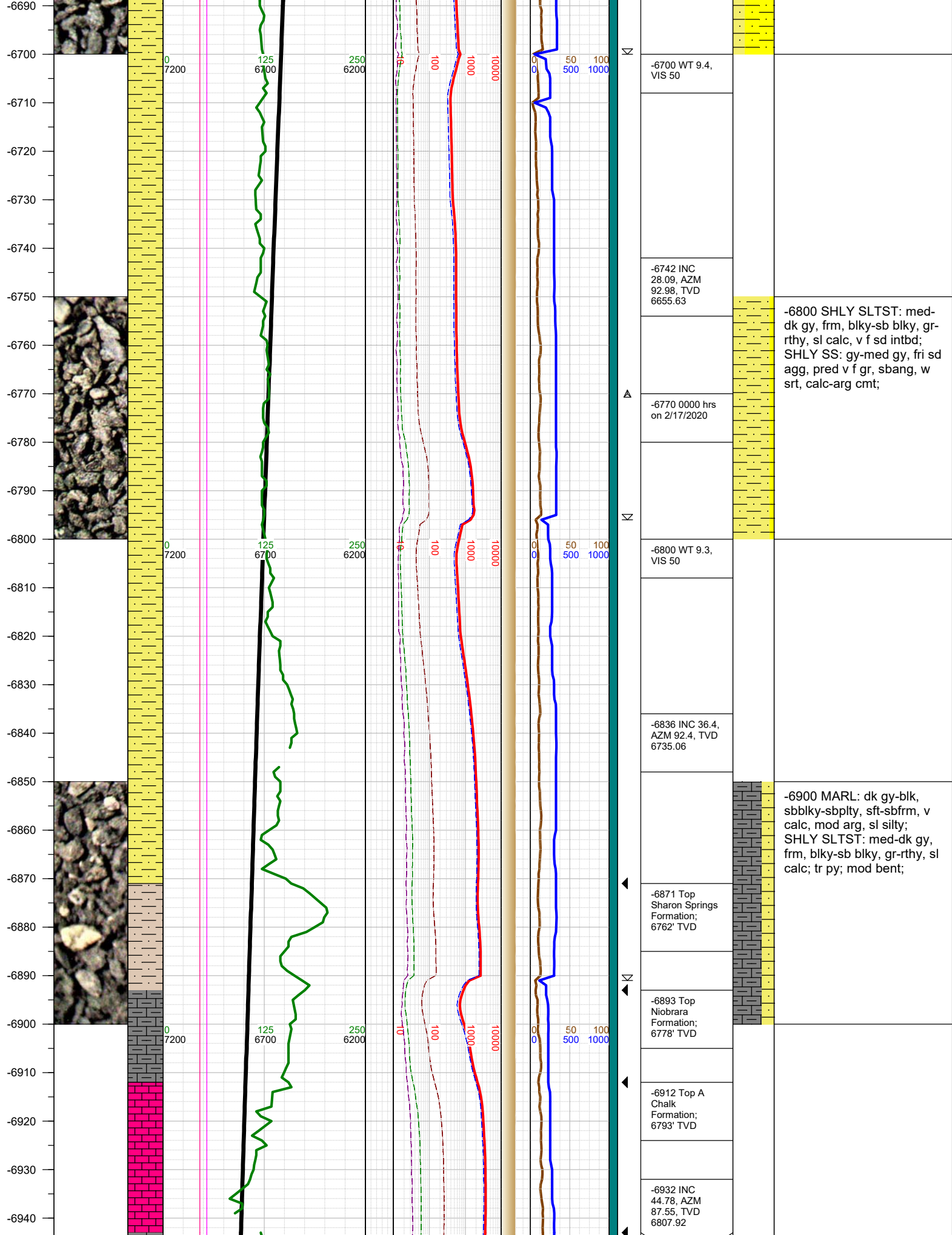


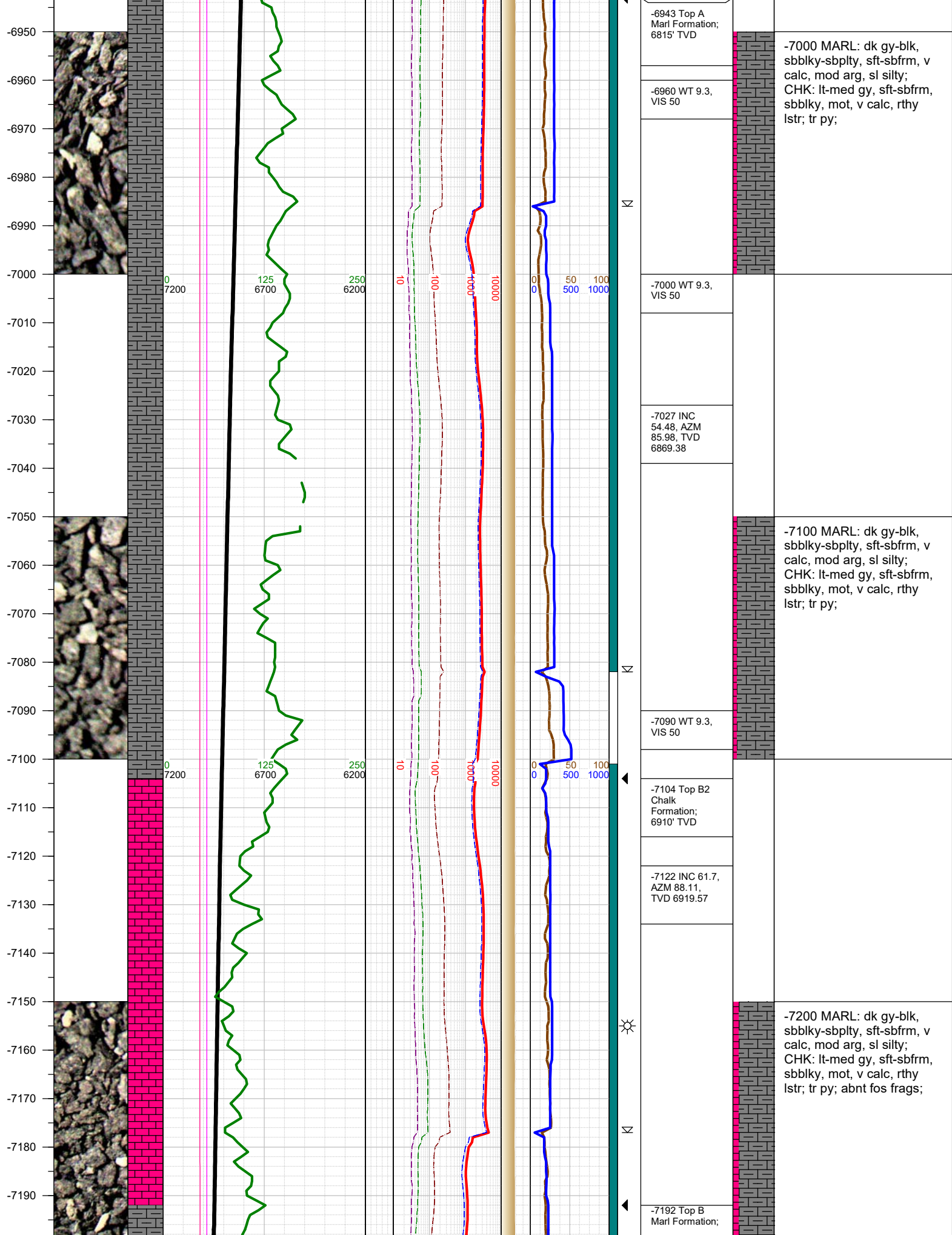


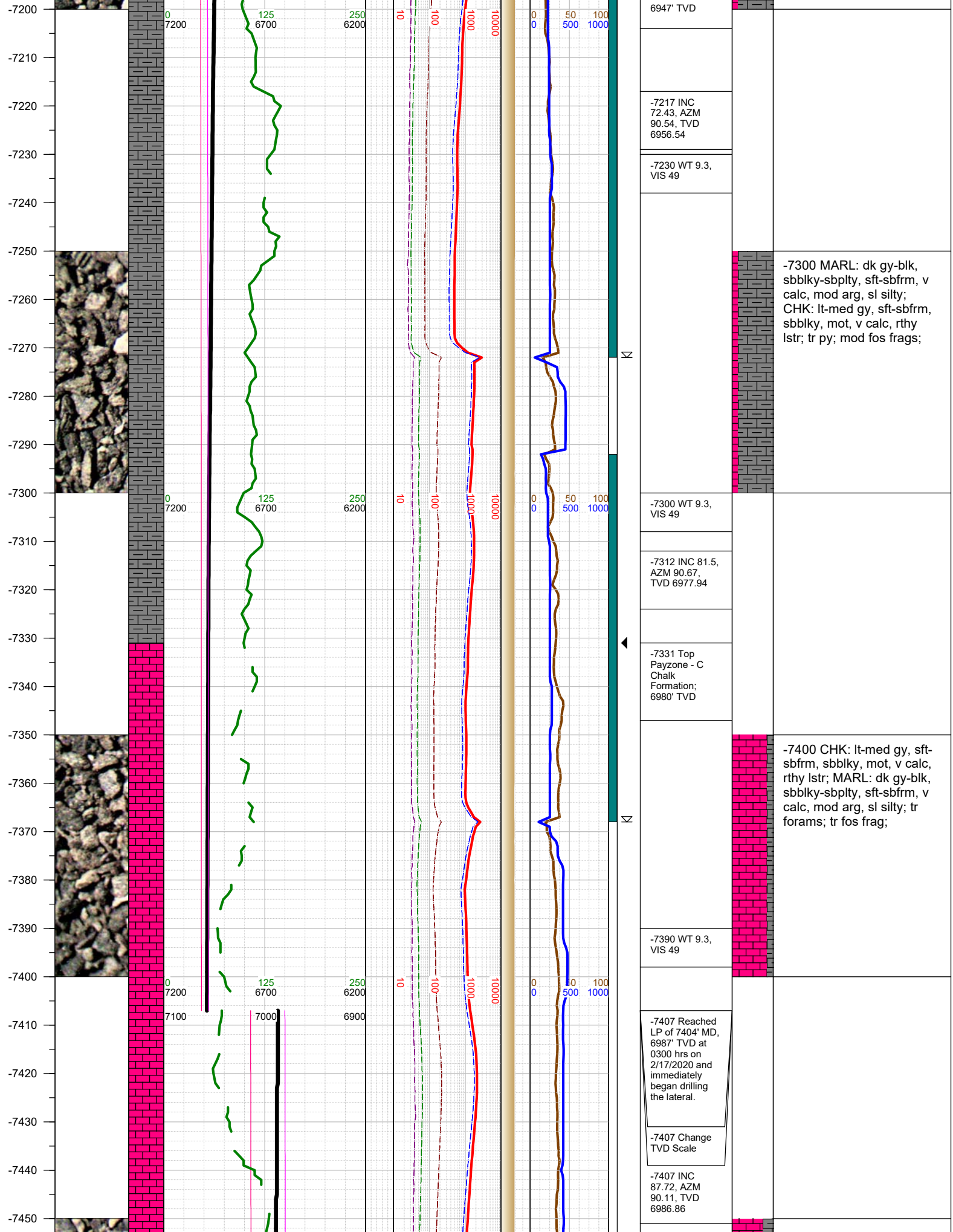
-6000 SHLY SLTST: med-
dk gy, frm, blkyy-sb blkyy, gr-
rthy, sl calc, v f sd intbd;
SHLY SS: gy-med gy, fri sd
agg, pred v f gr, sbang, w
srt, calc-arg cmt;

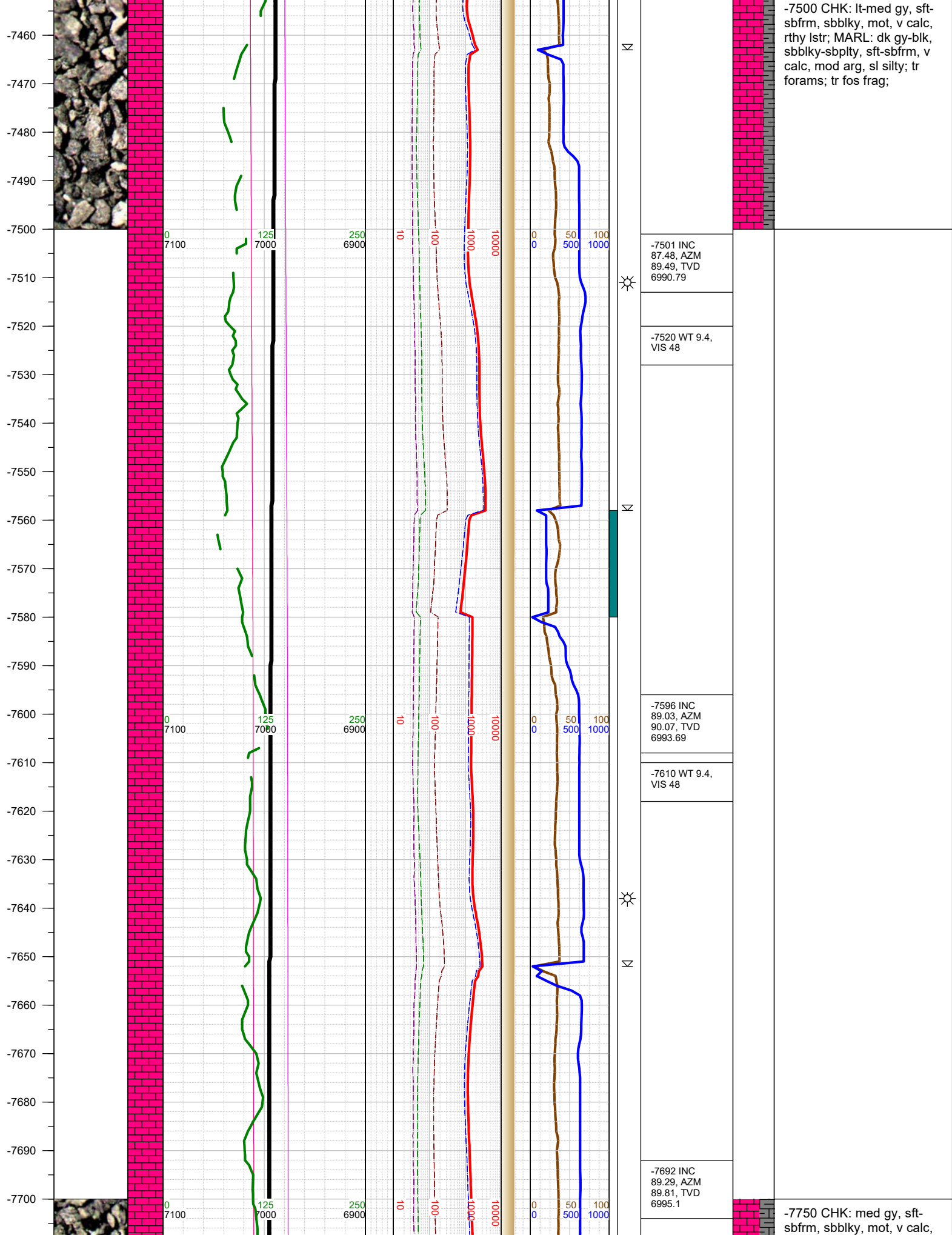


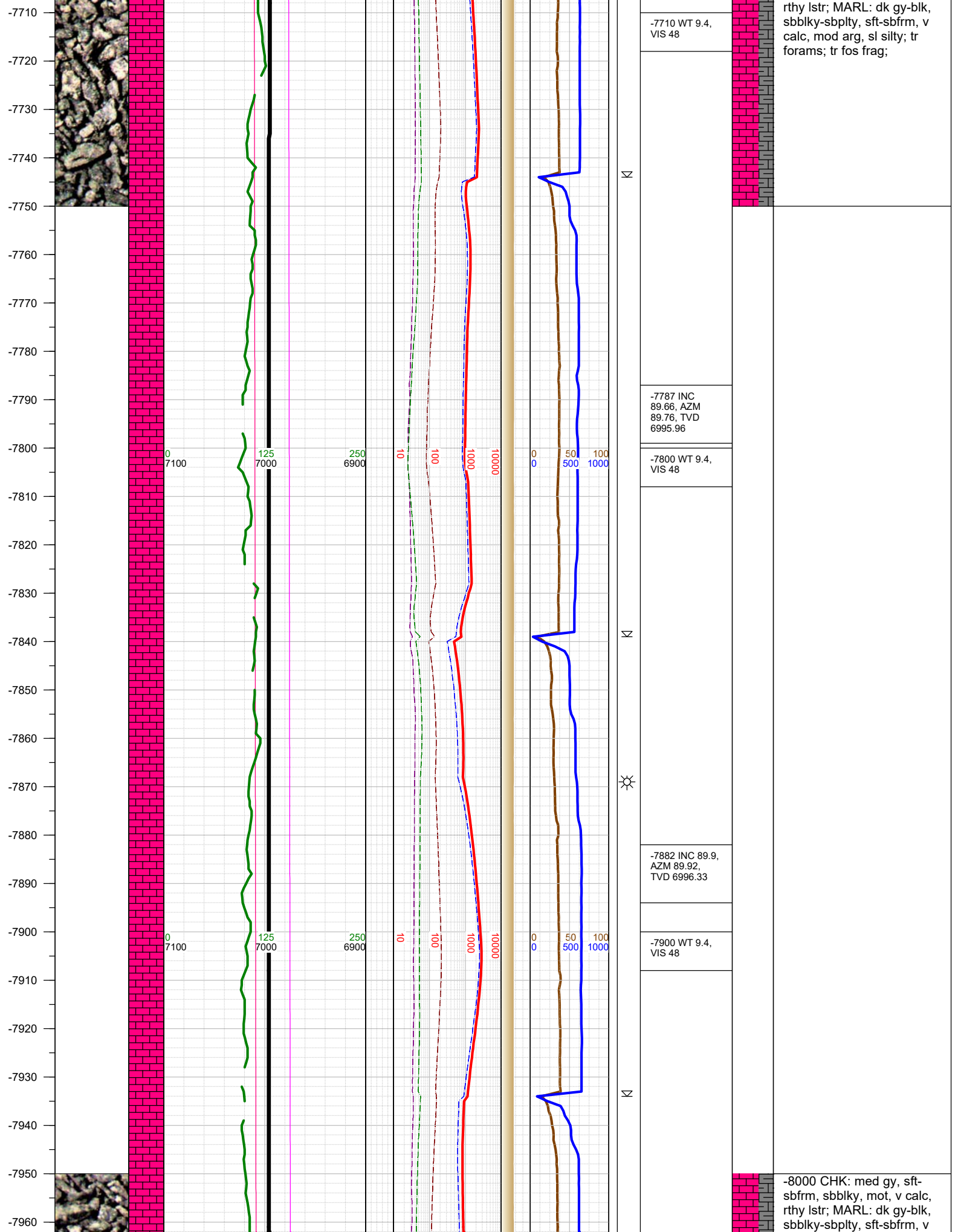


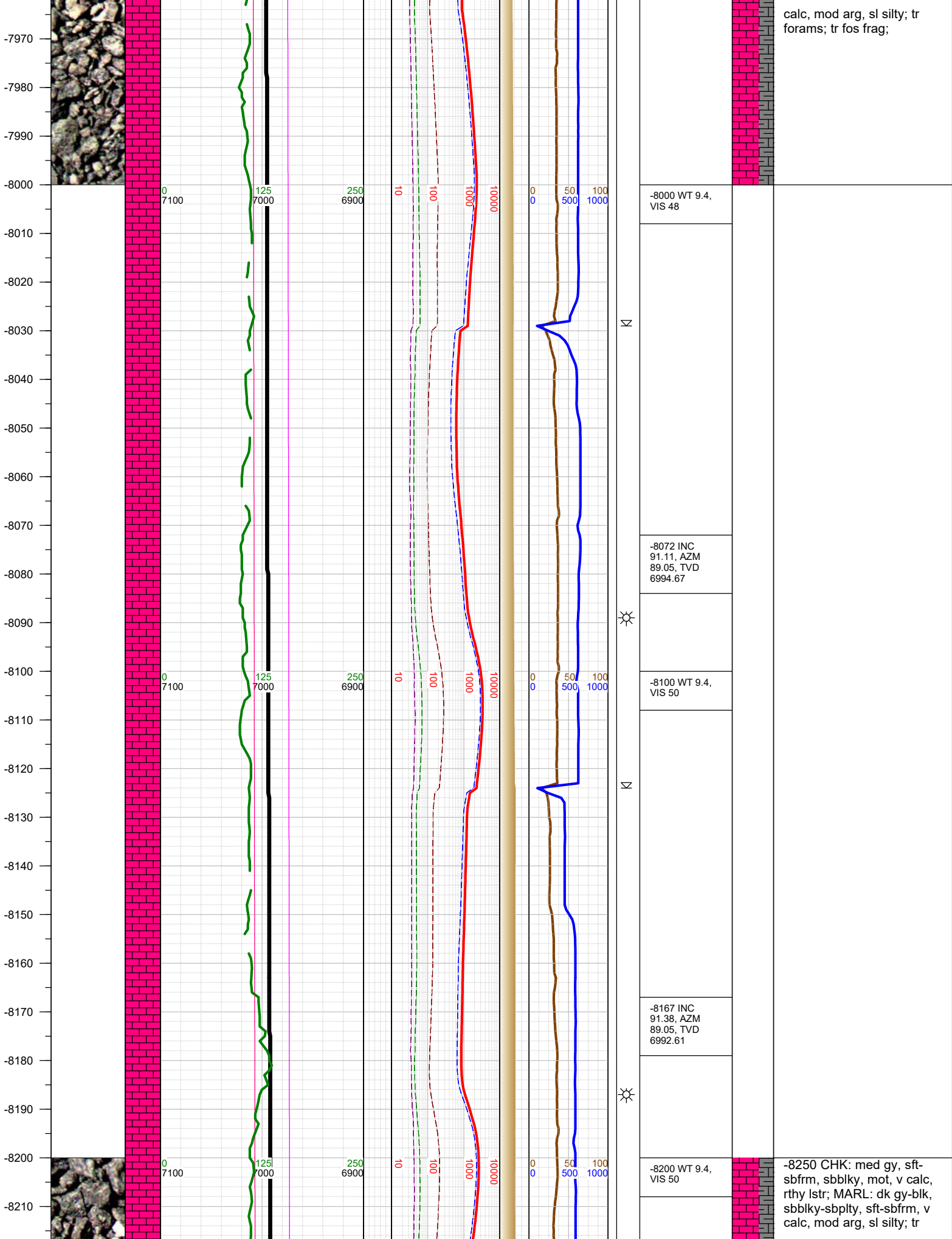


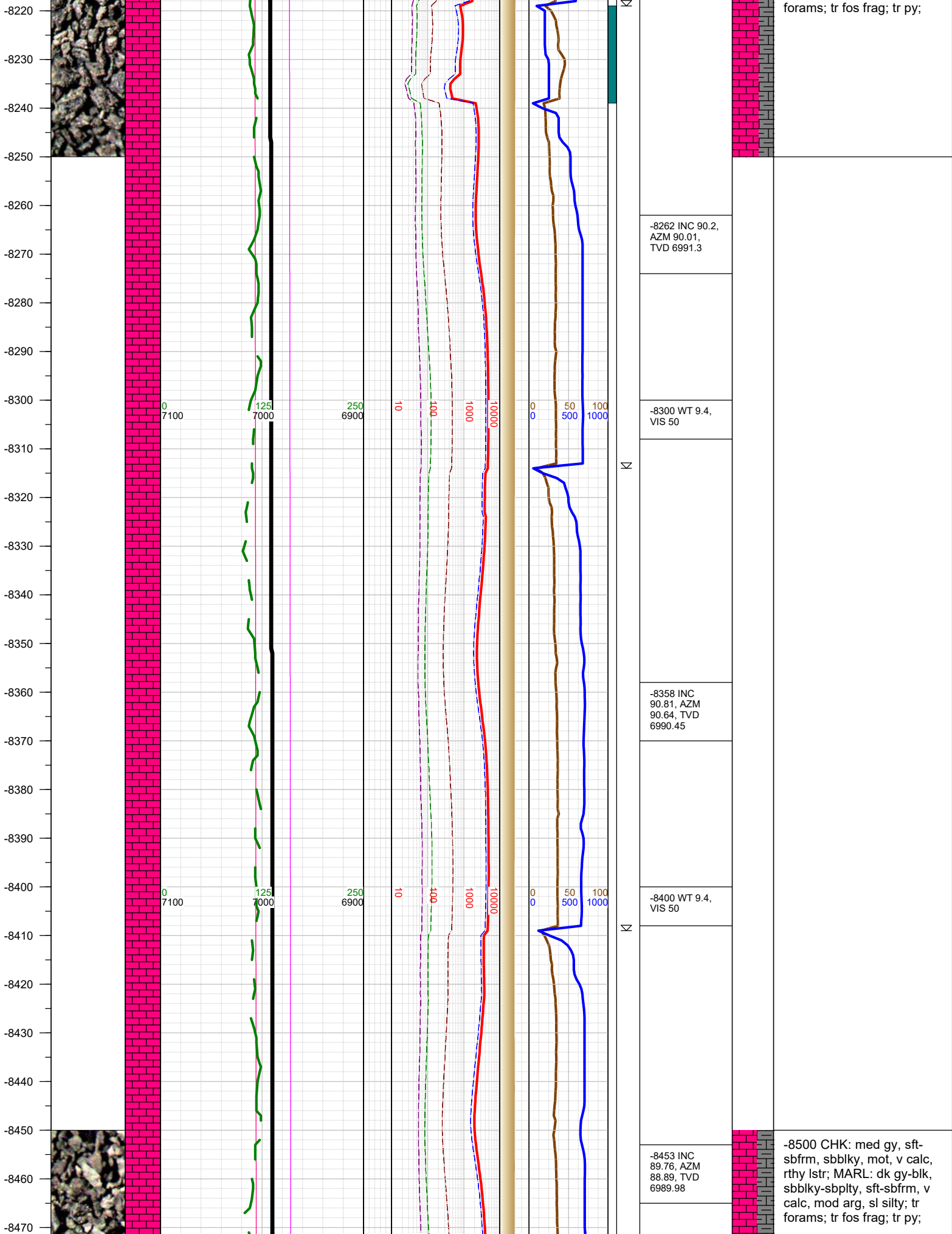


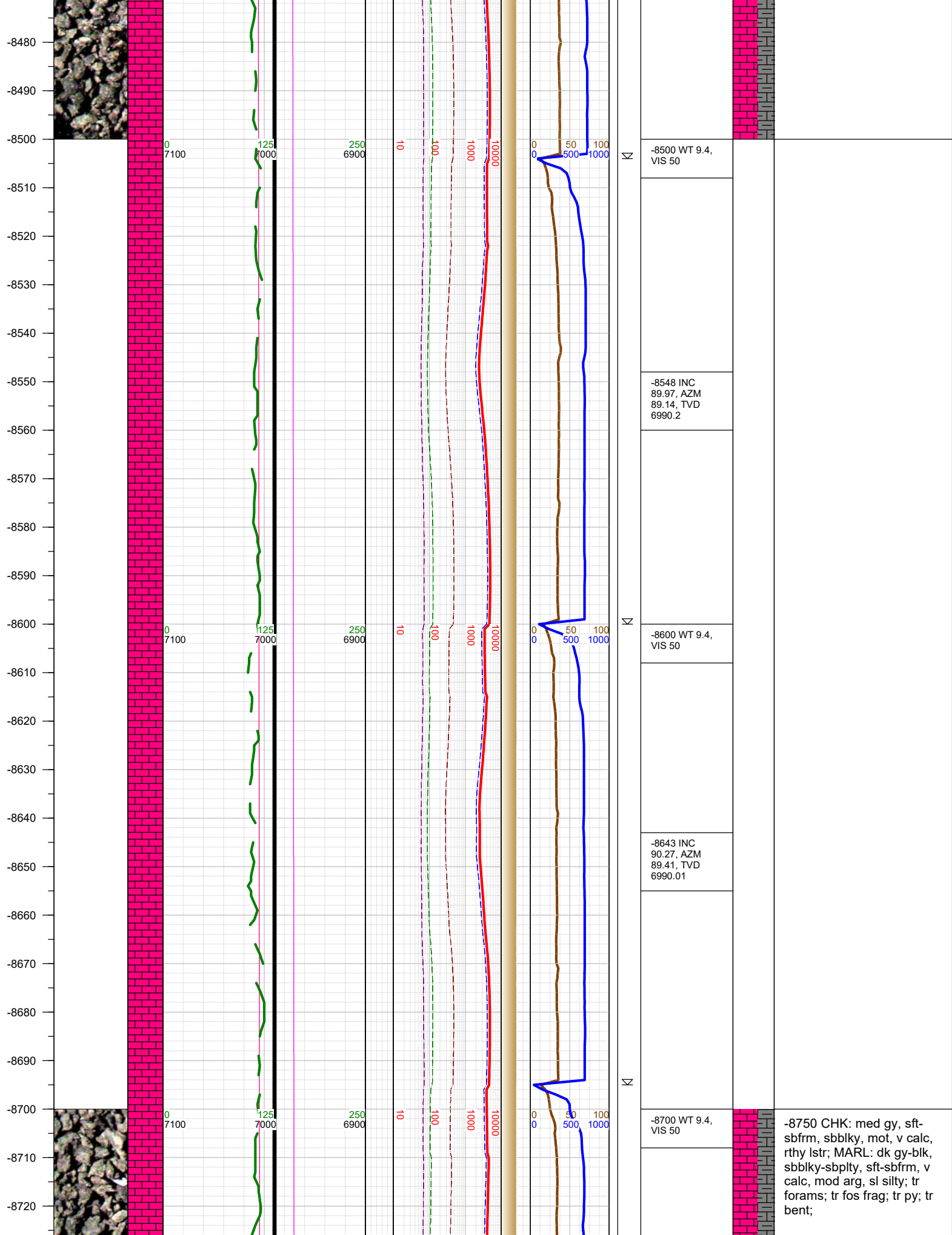


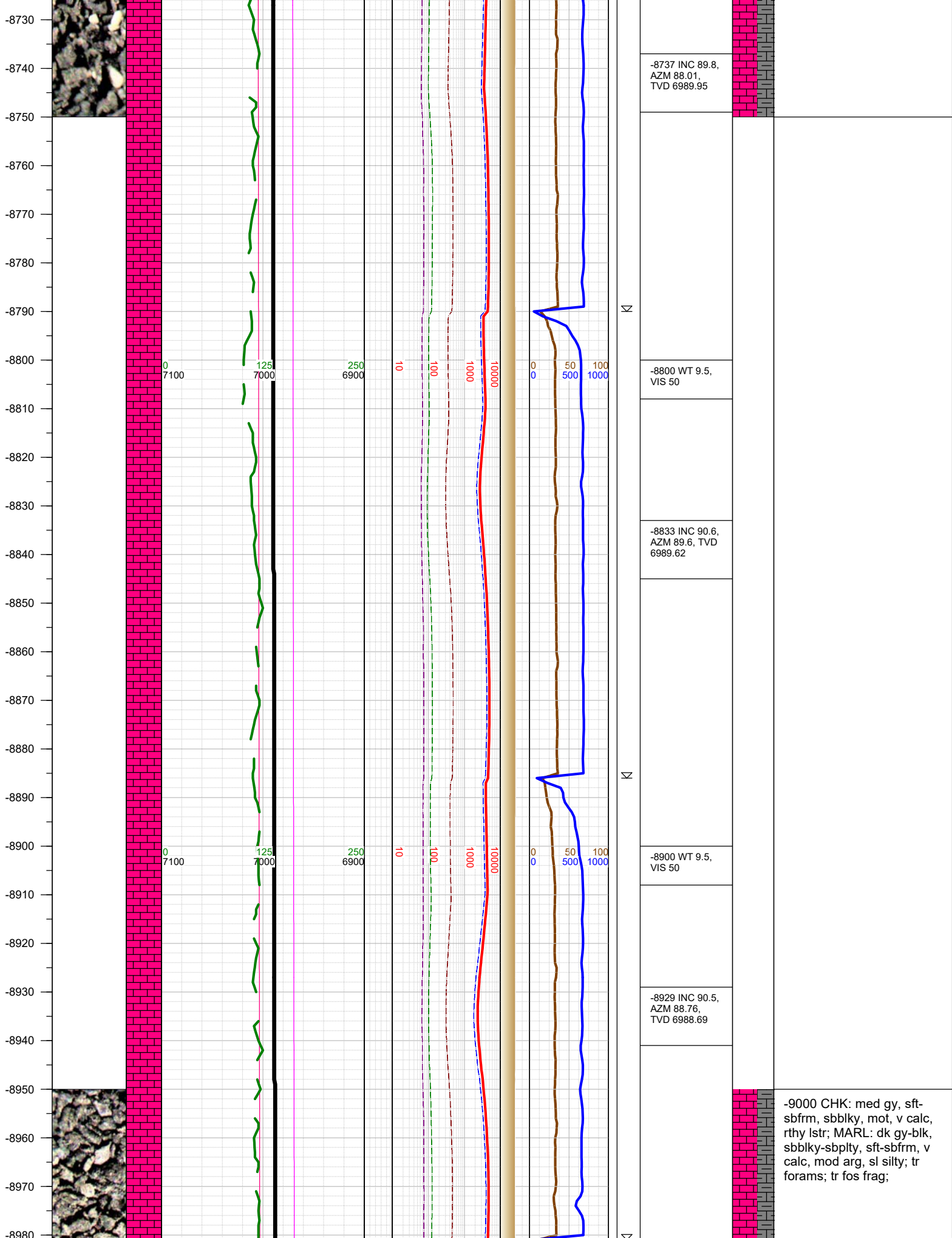


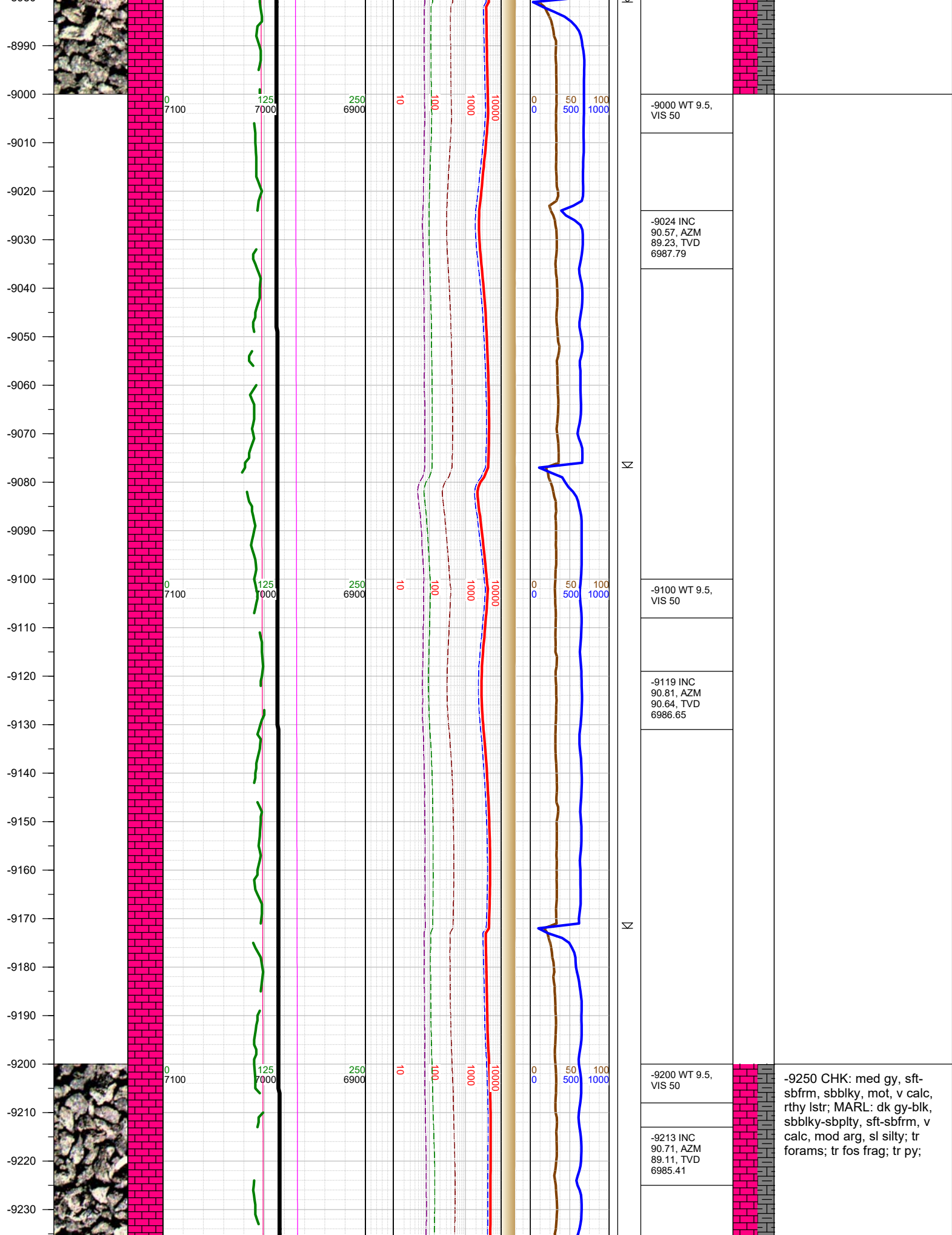


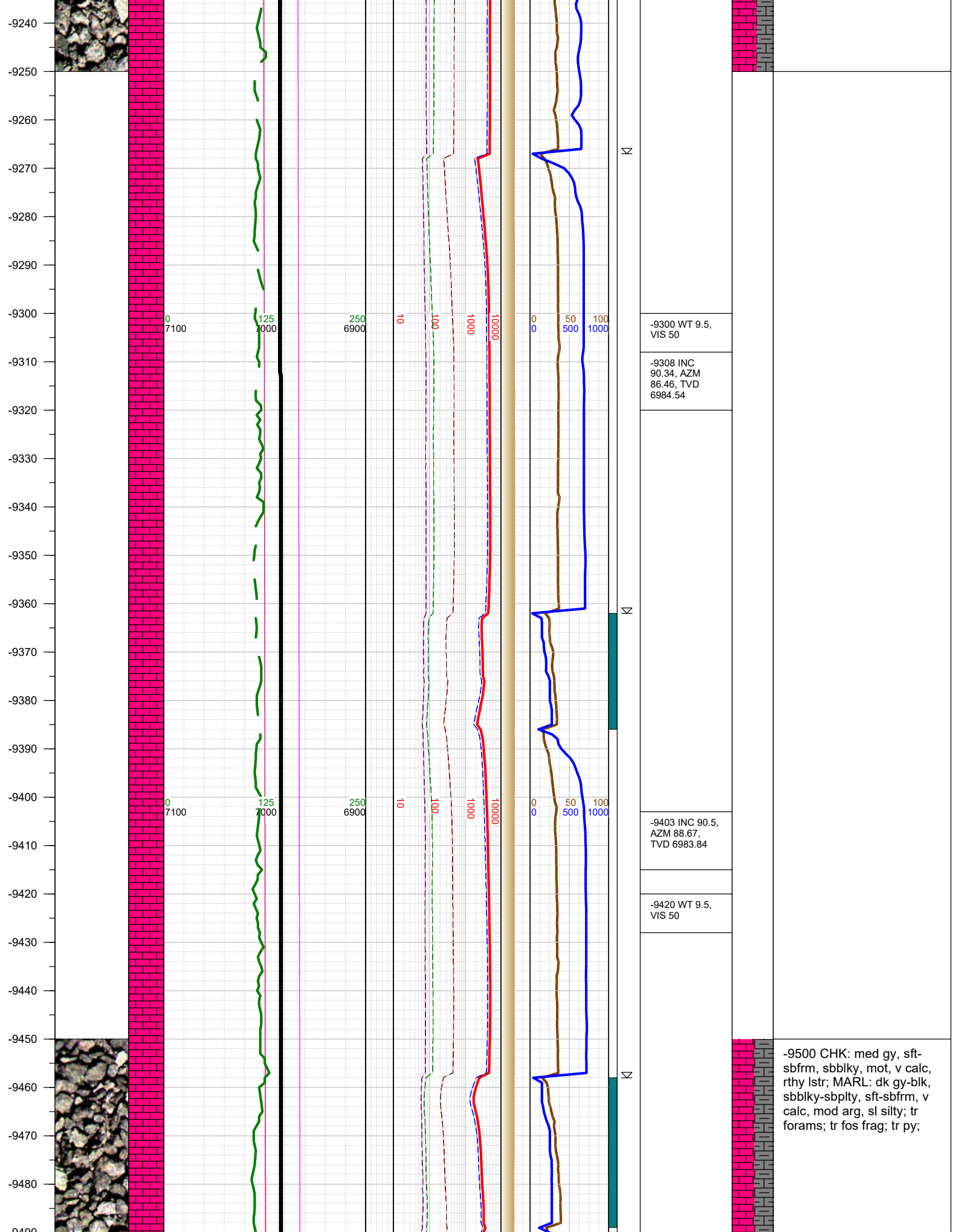


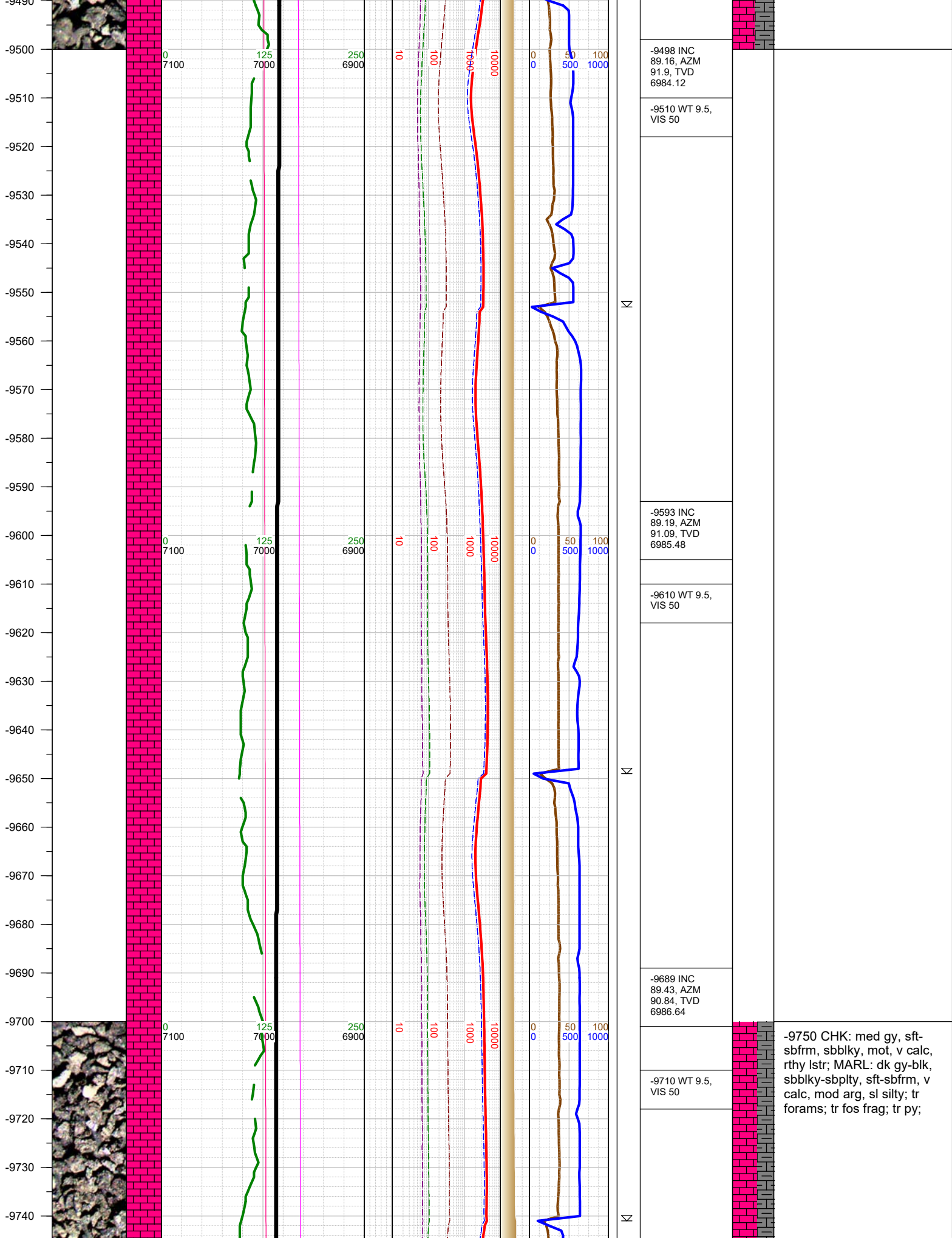




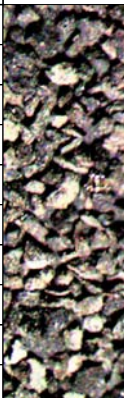








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-9783 INC
89.43, AZM
90.48, TVD
6987.58

-9800 WT 9.5,
VIS 50



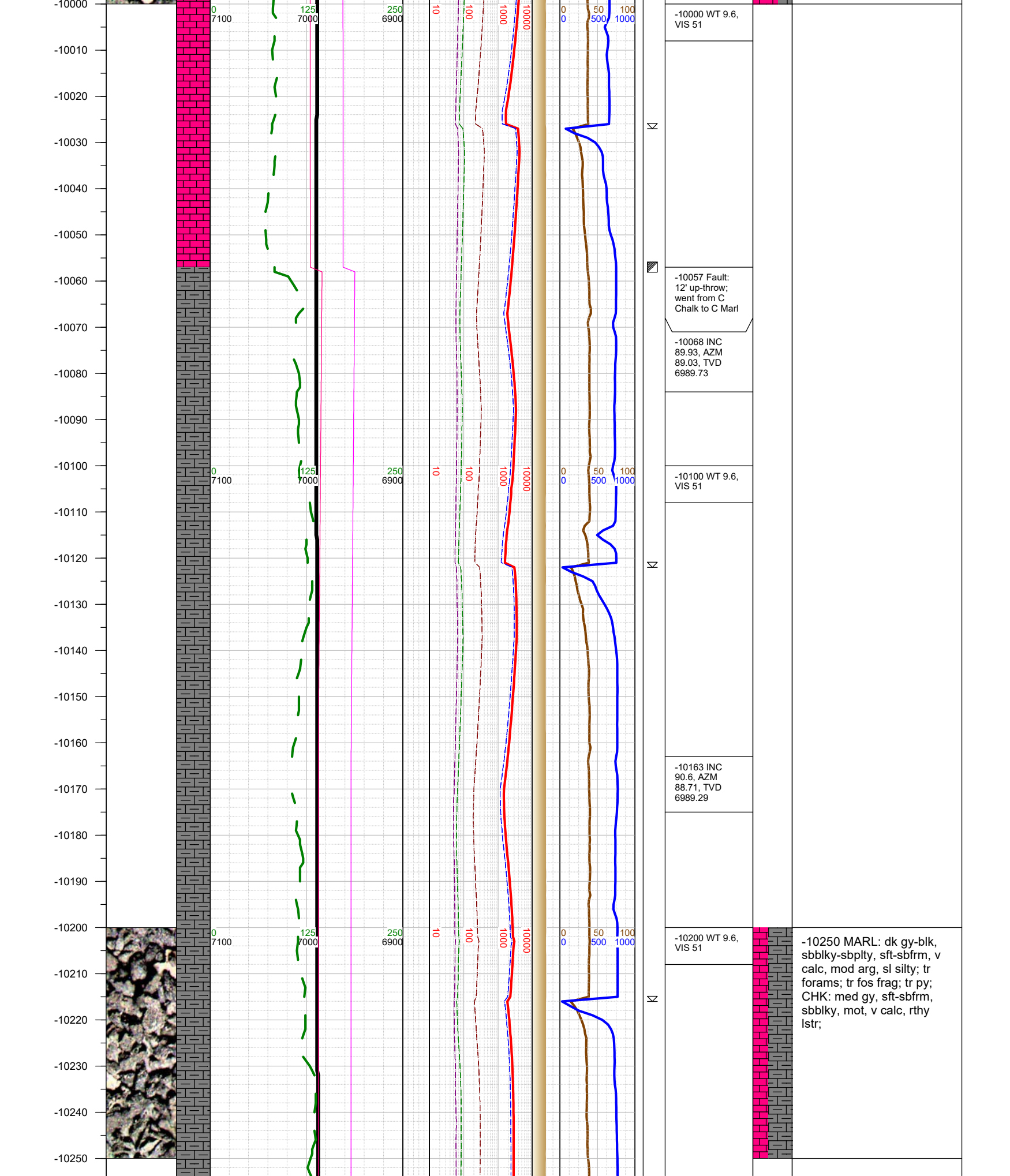
-9878 INC
89.53, AZM
90.15, TVD
6988.45

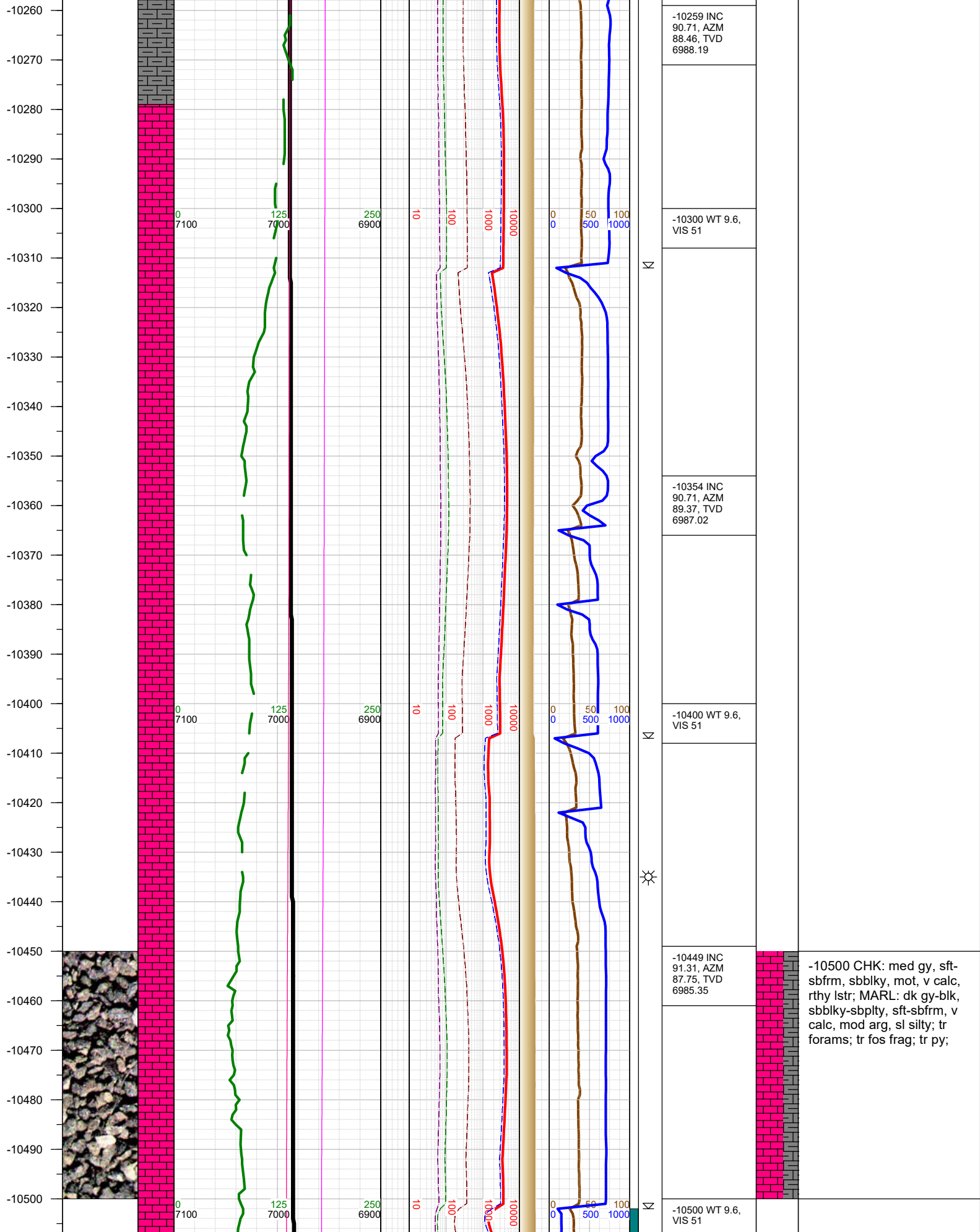
-9900 WT 9.6,
VIS 51



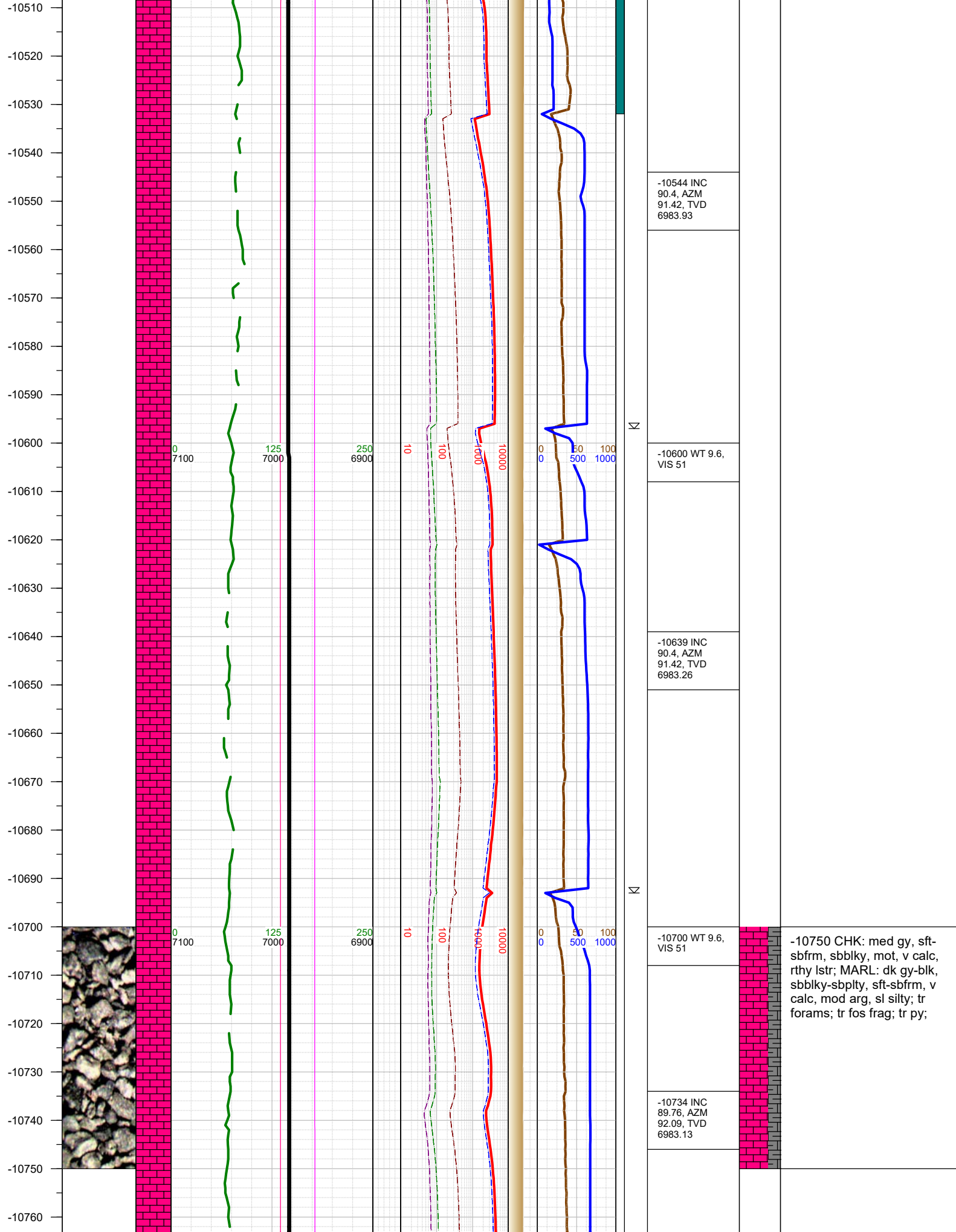
-9973 INC 89.5,
AZM 89.25,
TVD 6989.26

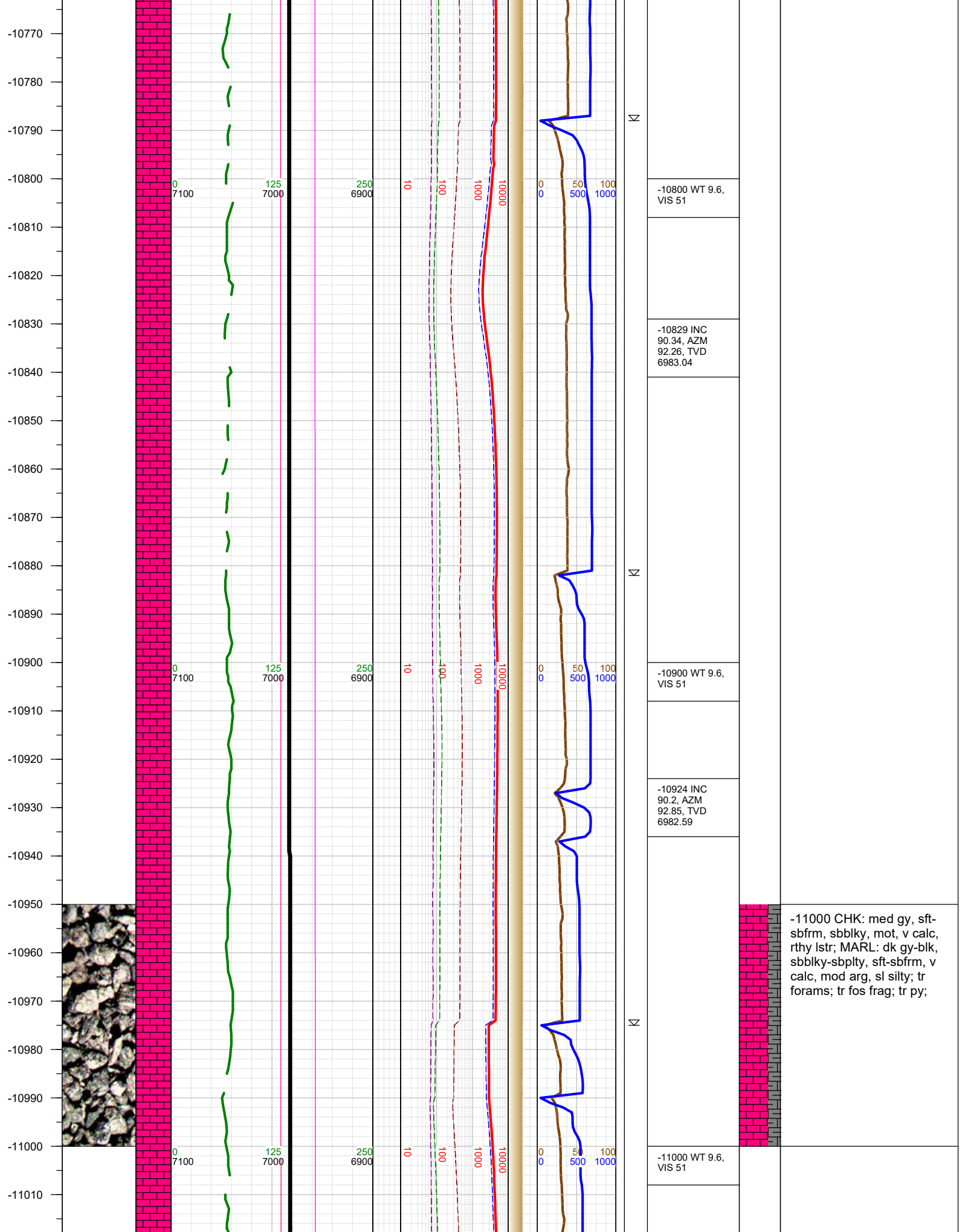
-10000 CHK: med gy, sft-
sbfrm, sbblky, mot, v calc,
rthy lstr; MARL: dk gy-blk,
sbblky-sbplty, sft-sbfrm, v
calc, mod arg, sl silty; tr
forams; tr fos frag; tr py;

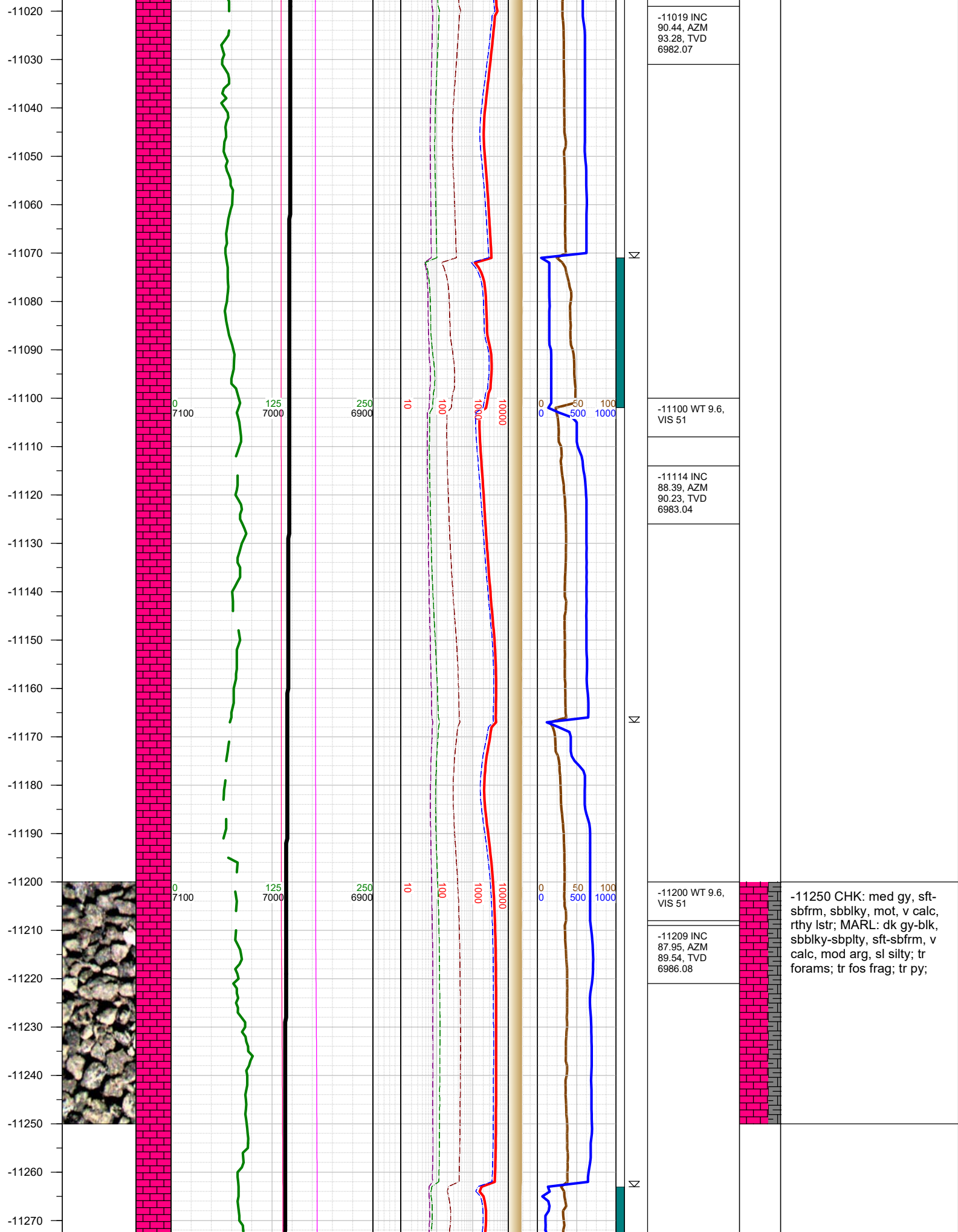


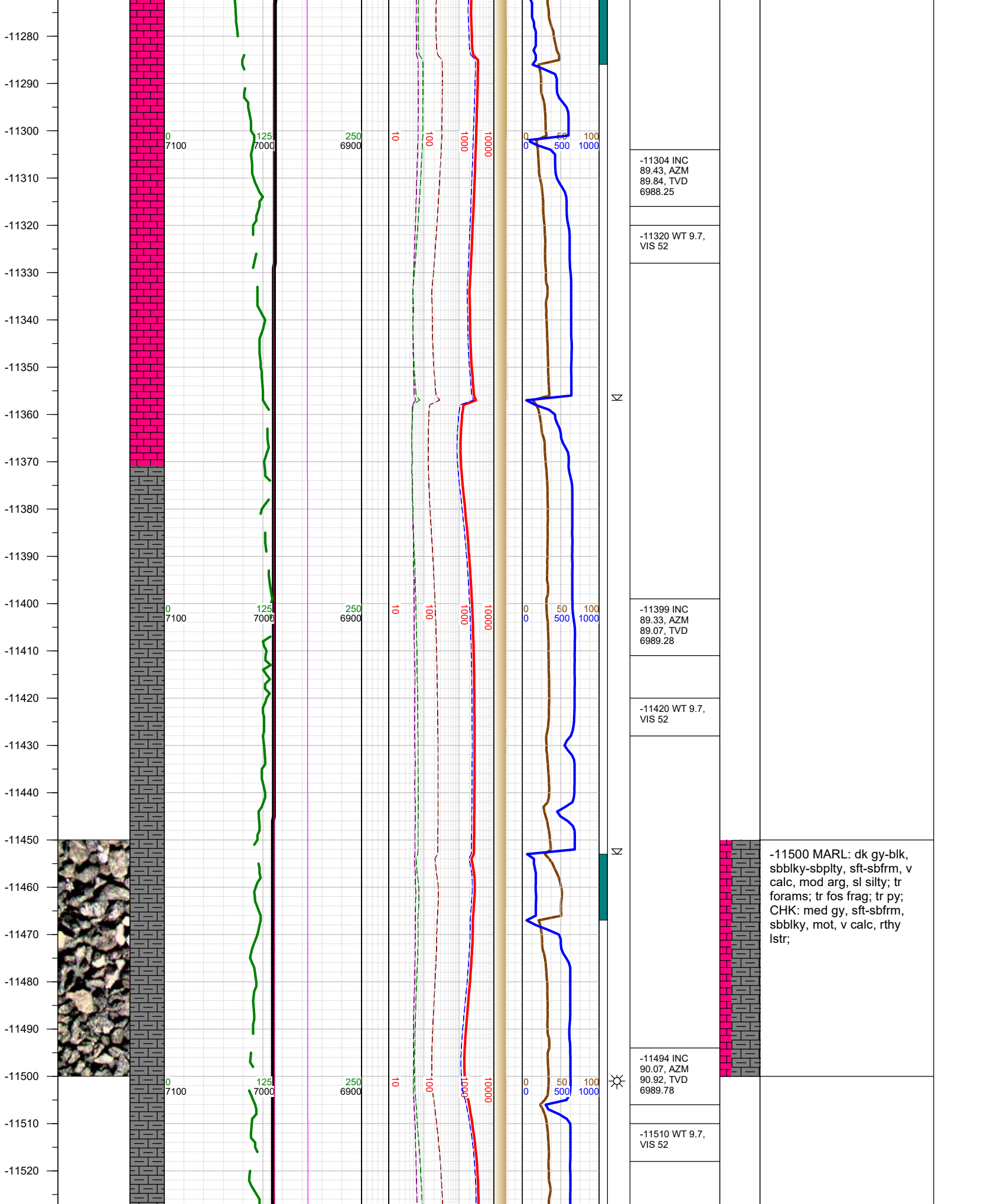


-10500 CHK: med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr forams; tr fos frag; tr py;



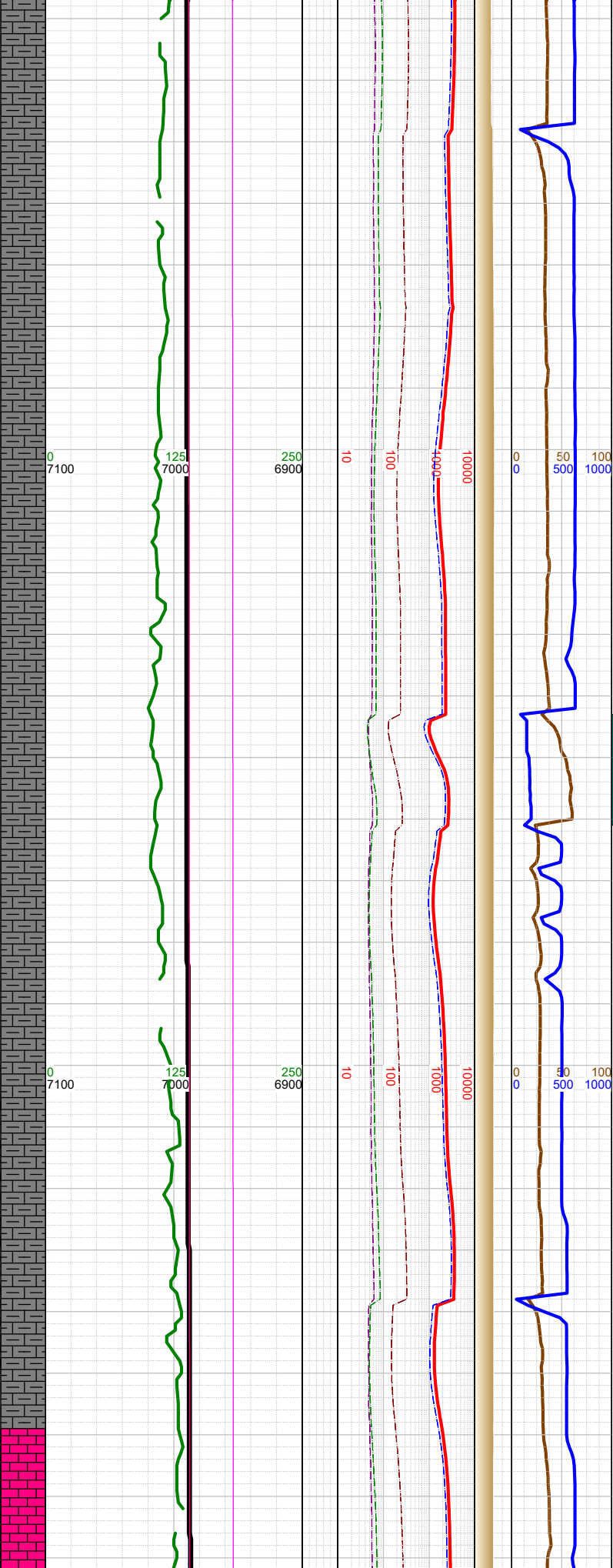
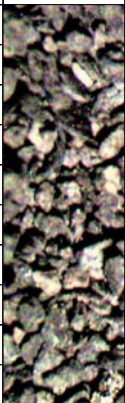






-11500 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr forams; tr fos frag; tr py; CHK: med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr;

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-11588 INC
89.56, AZM
89.88, TVD
6990.08

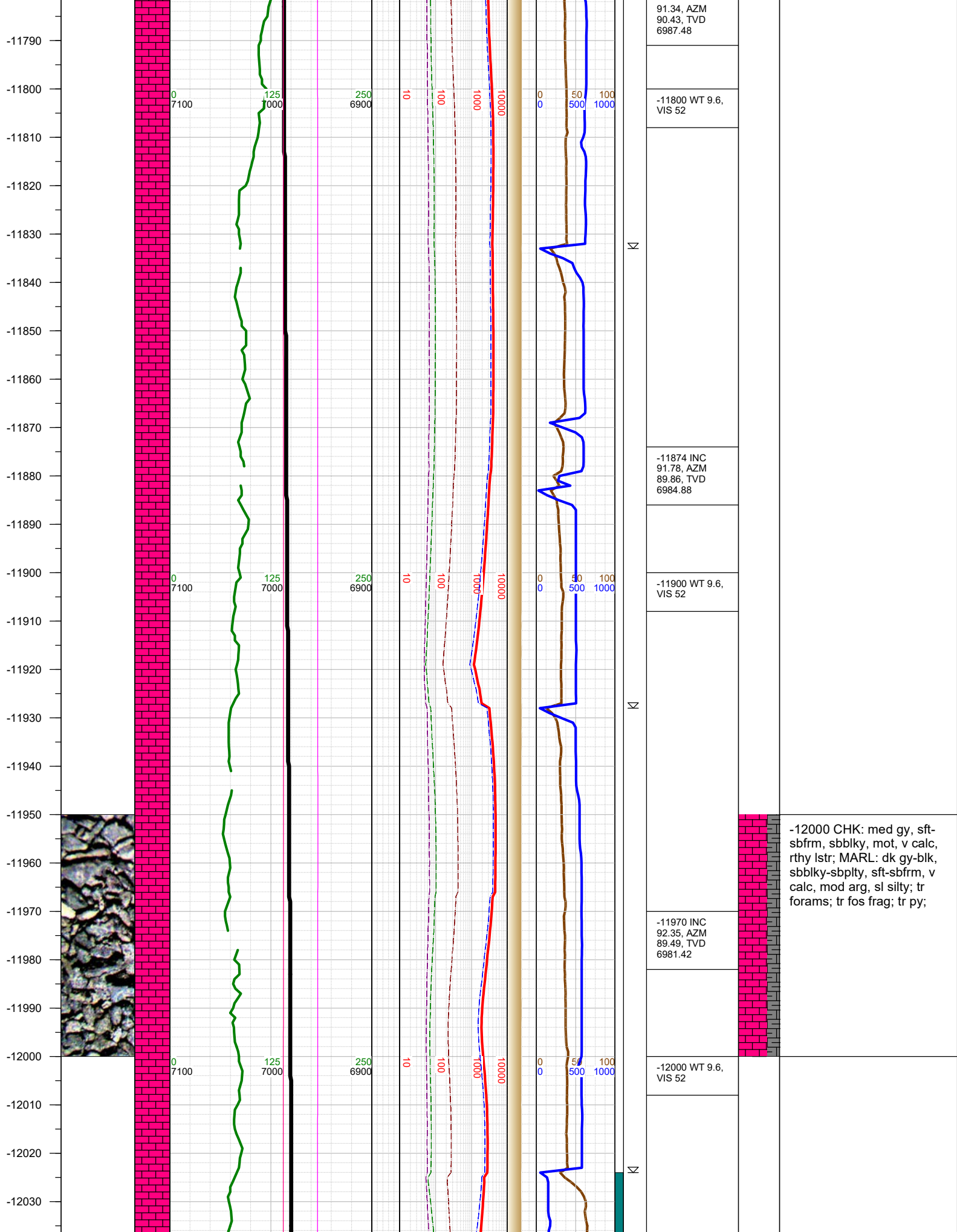
-11600 WT 9.7,
VIS 52

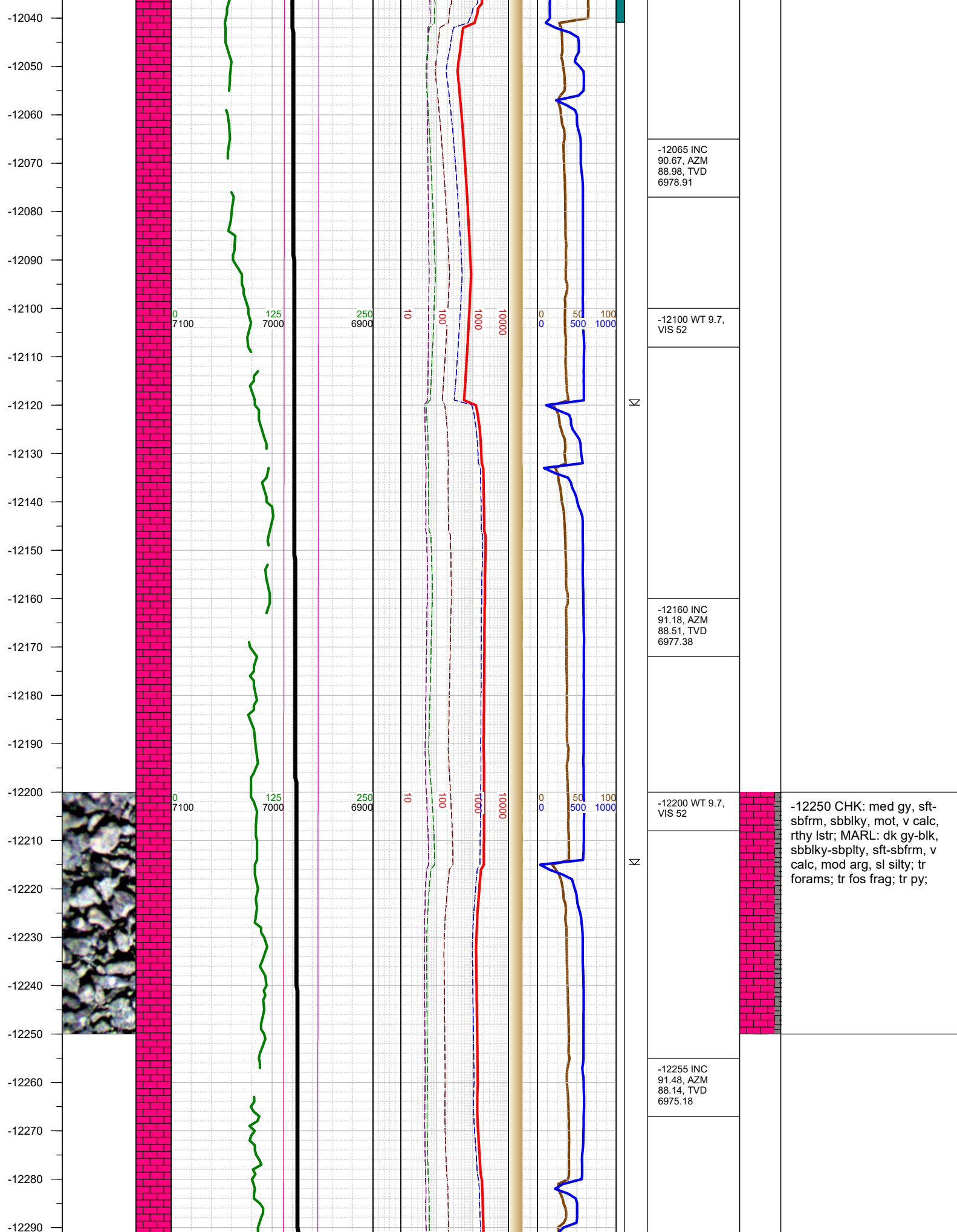
-11683 INC
91.11, AZM
91.35, TVD
6989.53

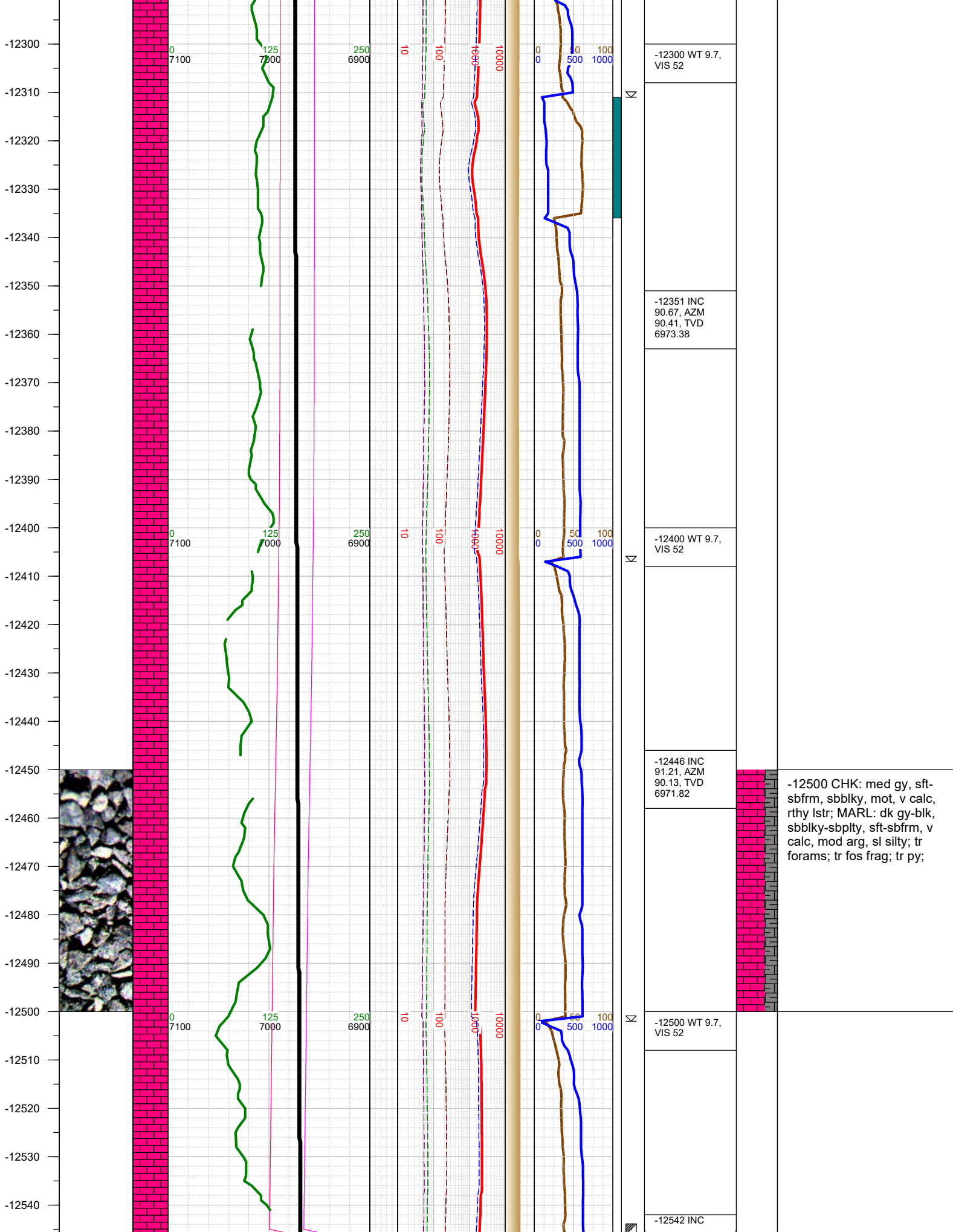
-11700 WT 9.7,
VIS 52

-11779 INC

-11750 MARL: dk gy-blk,
sbbly-sbply, sft-sbfrm, v
calc, mod arg, sl silty; tr
forams; tr fos frag; tr py;
CHK: med gy, sft-sbfrm,
sbbly, mot, v calc, rthy
lstr;







-12300 WT 9.7,
VIS 52

-12351 INC
90.67, AZM
90.41, TVD
6973.38

-12400 WT 9.7,
VIS 52

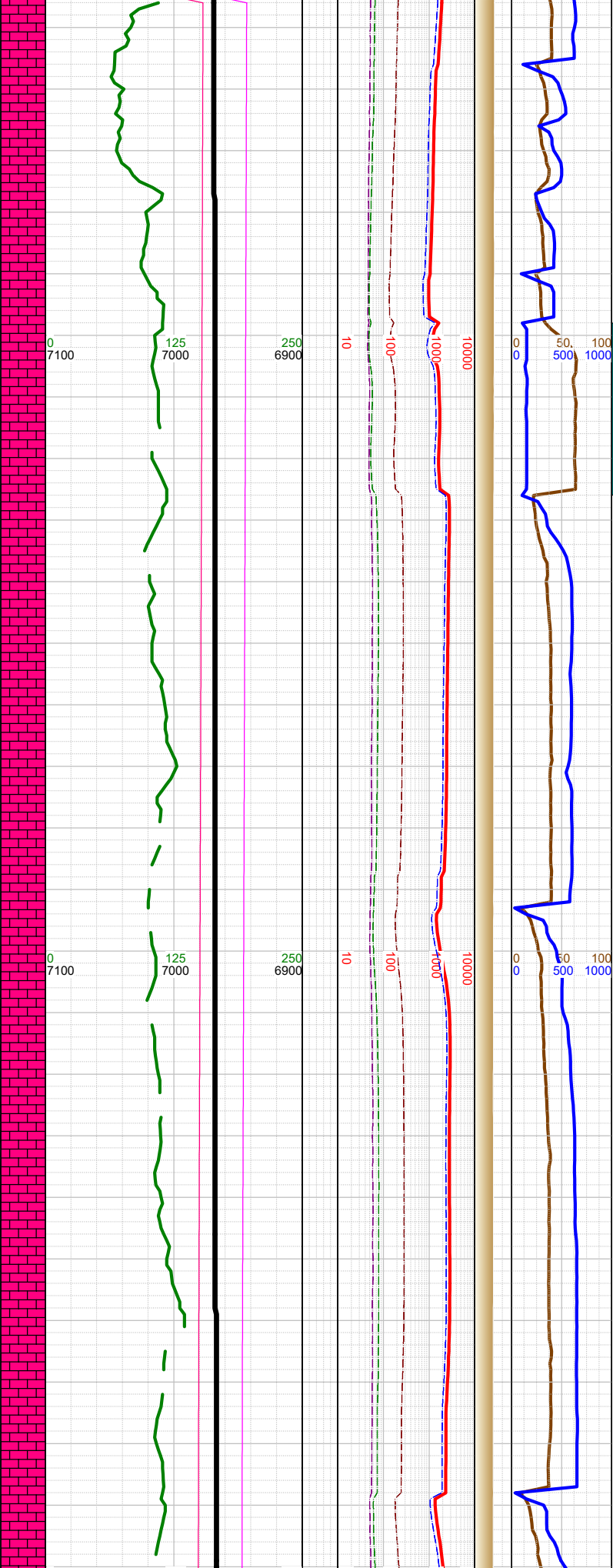
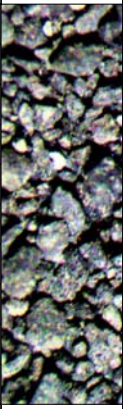
-12446 INC
91.21, AZM
90.13, TVD
6971.82

-12500 CHK: 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
forams; tr fos frag; tr py;

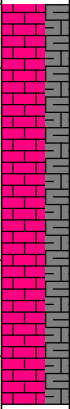
-12500 WT 9.7,
VIS 52

-12542 INC

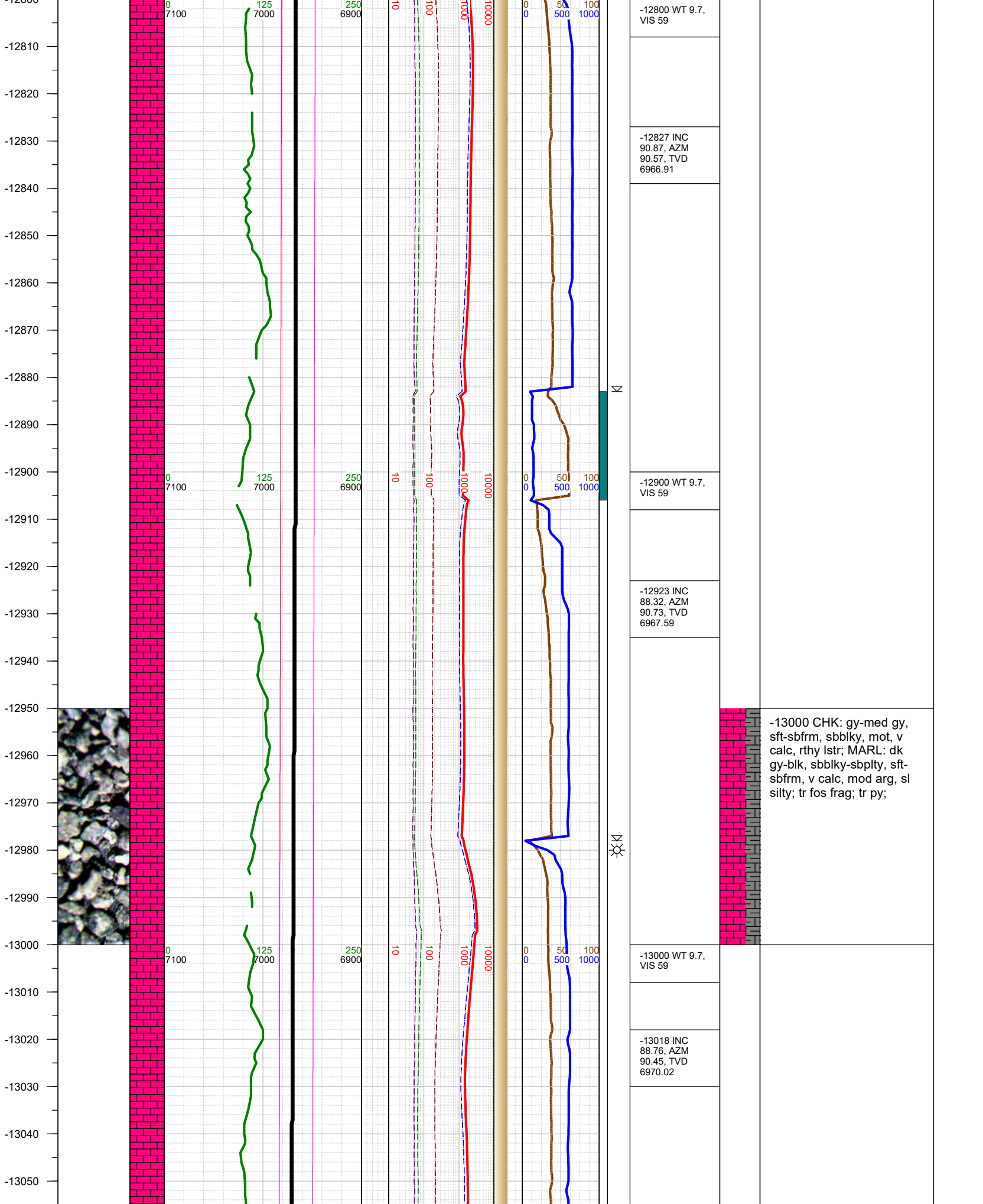
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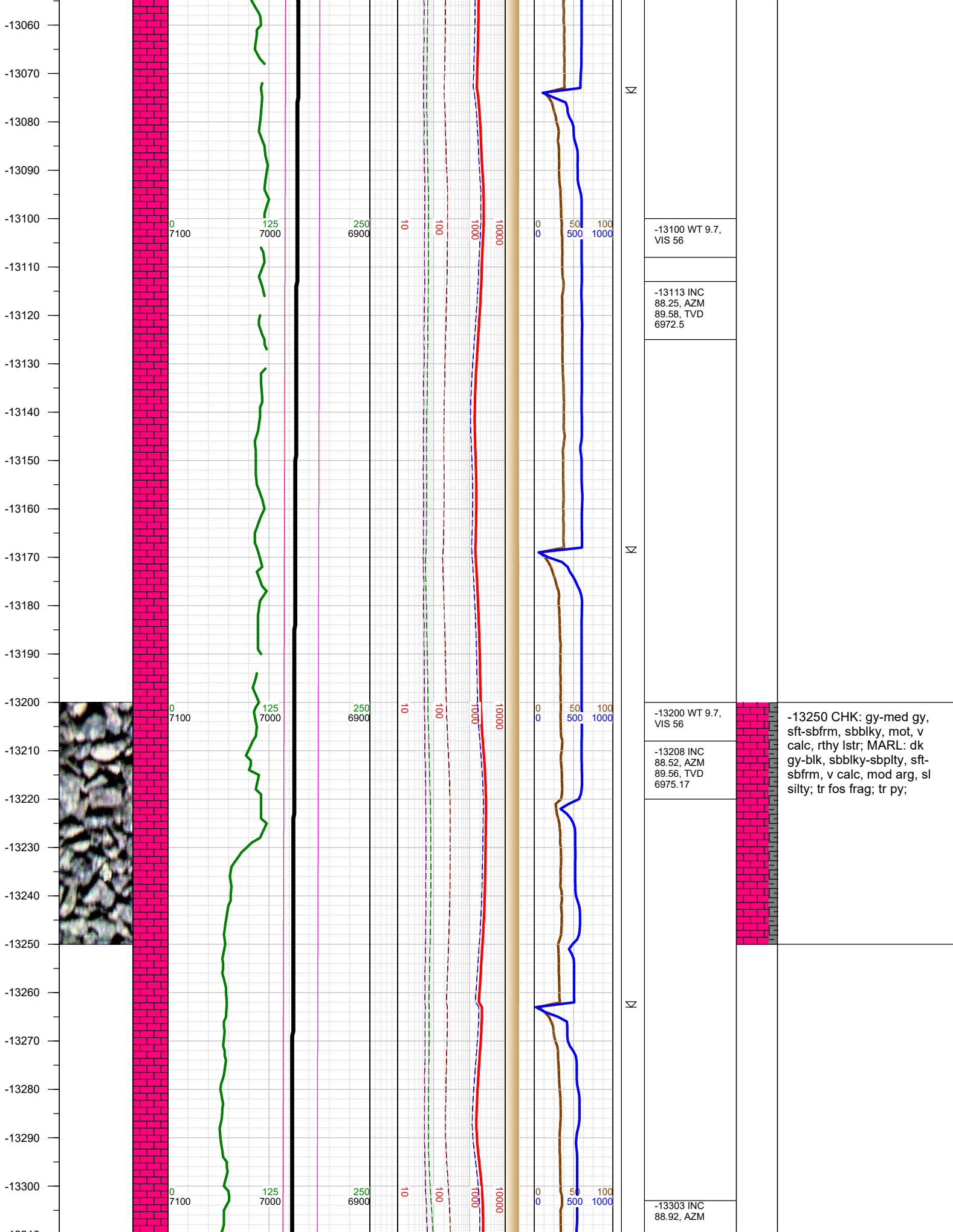


92.08, AZM 89.96, TVD 6969.06	
-12545 Fault: 22' up-throw; stayed in C Chalk	
-12600 WT 9.7, VIS 52	
-12636 INC 89.7, AZM 90.82, TVD 6967.6	
-12700 WT 9.7, VIS 59	
-12732 INC 90.13, AZM 90.61, TVD 6967.75	



-12750 CHK: 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
forams; tr fos frag; tr py;





-13100 WT 9.7,
VIS 56

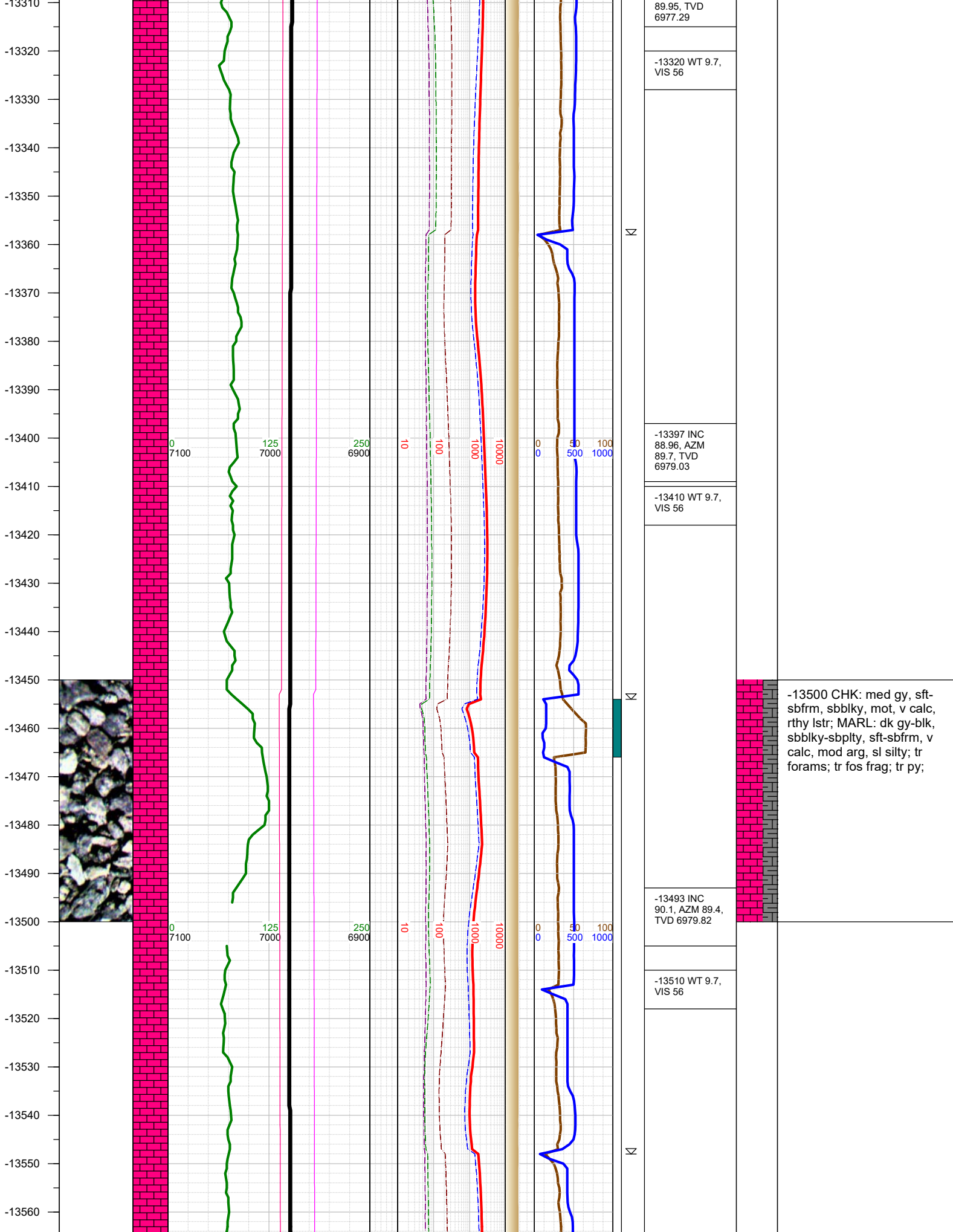
-13113 INC
88.25, AZM
89.58, TVD
6972.5

-13200 WT 9.7,
VIS 56

-13208 INC
88.52, AZM
89.56, TVD
6975.17

-13250 CHK: gy-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 frag; tr py;

-13303 INC
88.92, AZM



89.95, TVD
6977.29

-13320 WT 9.7,
VIS 56

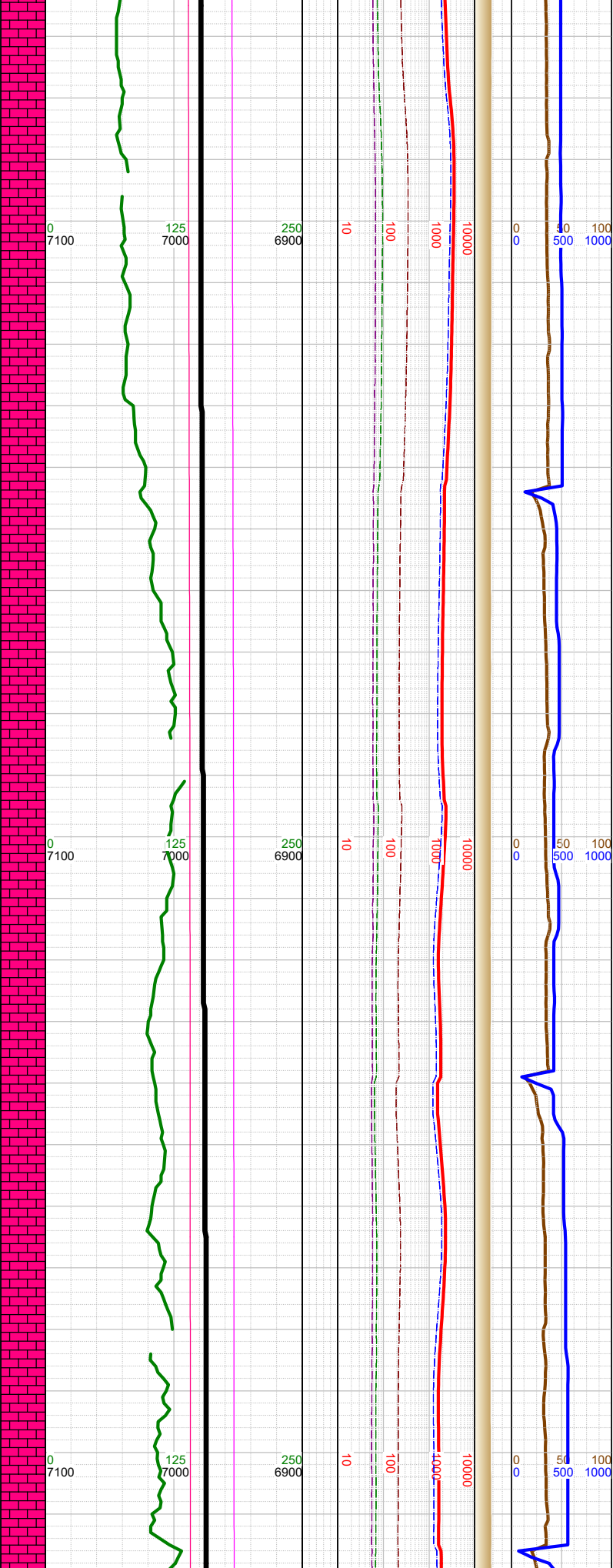
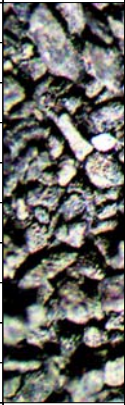
-13397 INC
88.96, AZM
89.7, TVD
6979.03

-13410 WT 9.7,
VIS 56

-13493 INC
90.1, AZM 89.4,
TVD 6979.82

-13510 WT 9.7,
VIS 56

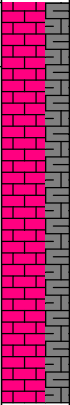
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-13588 INC 90.67, AZM 89.15, TVD 6979.18
-13600 WT 9.7, VIS 57
-13684 INC 91.14, AZM 88.67, TVD 6977.66
-13700 WT 9.7, VIS 57
-13779 INC 91.92, AZM 88.36, TVD 6975.13
-13800 WT 9.7, VIS 57



-13750 CHK: med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbpity, sft-sbfrm, v calc, mod arg, sl silty; tr forams; tr fos frag; tr py;

