

OPERATOR: **Bayswater E&P, LLC**

WELL NAME: **Thornton D-29-30HN**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: True 38

API #: 05-123-43604

LAT/LONG: 40.548495, -104.791357
SURFACE HOLE: SWNW S28-T7N-R66W, 1692' FNL, 405' FWL
BOTTOM HOLE: S30-T7N-R66W, 820' FNL, 470' FWL

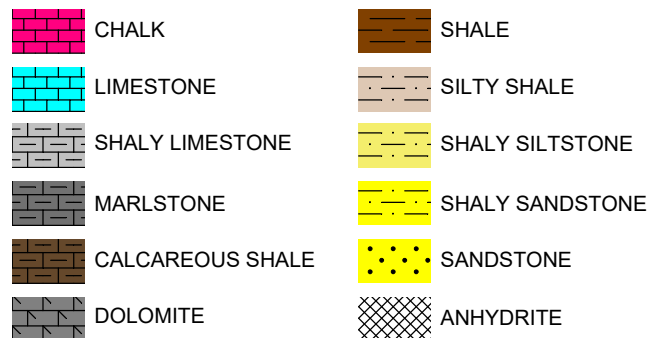


Earth Science Agency, LLC

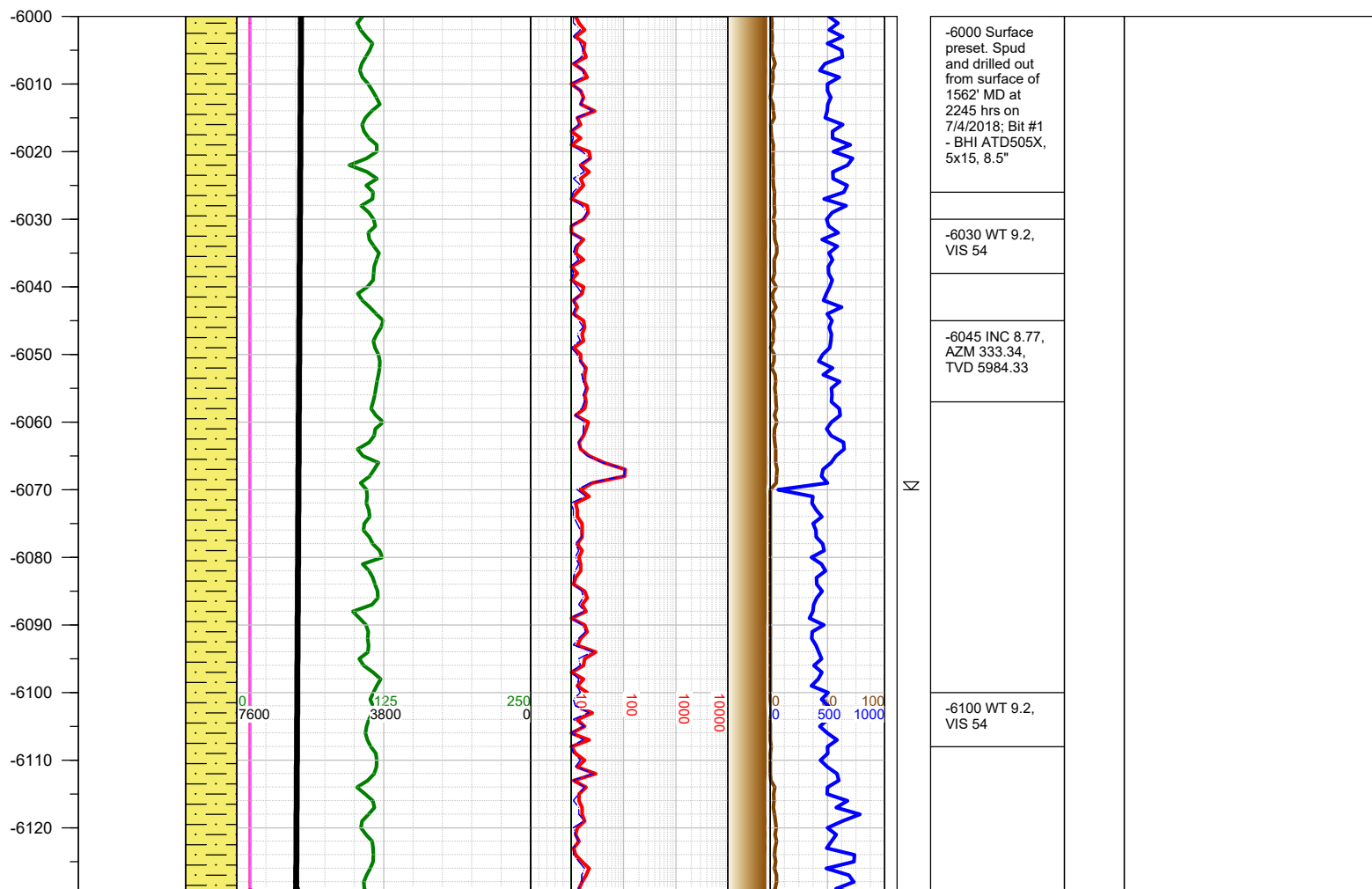
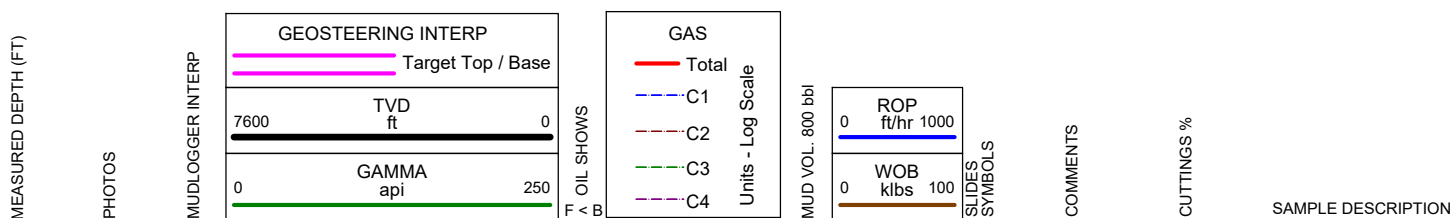
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 4909'
KELLY BUSHING: 4934'
DRILLING FLUID: OBM
TVD VS. MD: 7220' / 17619'
SPUD DATE: July 4, 2018
TD DATE: July 8, 2018

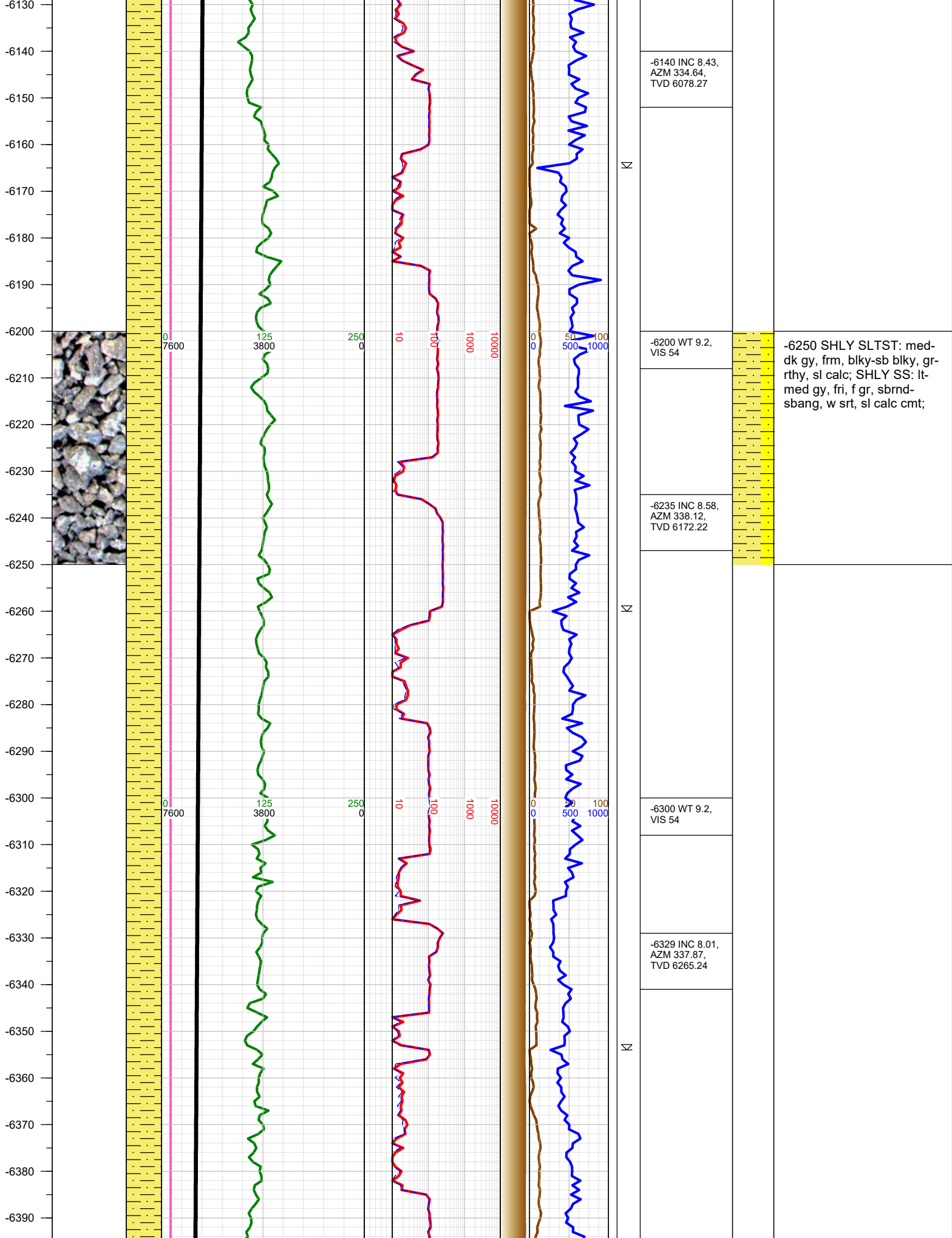
DEPTHS LOGGED: 6000' - 17619'
DATES LOGGED: July 5, 2018 - July 8, 2018
GEOLOGISTS: Kyle Welty, Curtis Magnino
SCALE: 5" = 100'

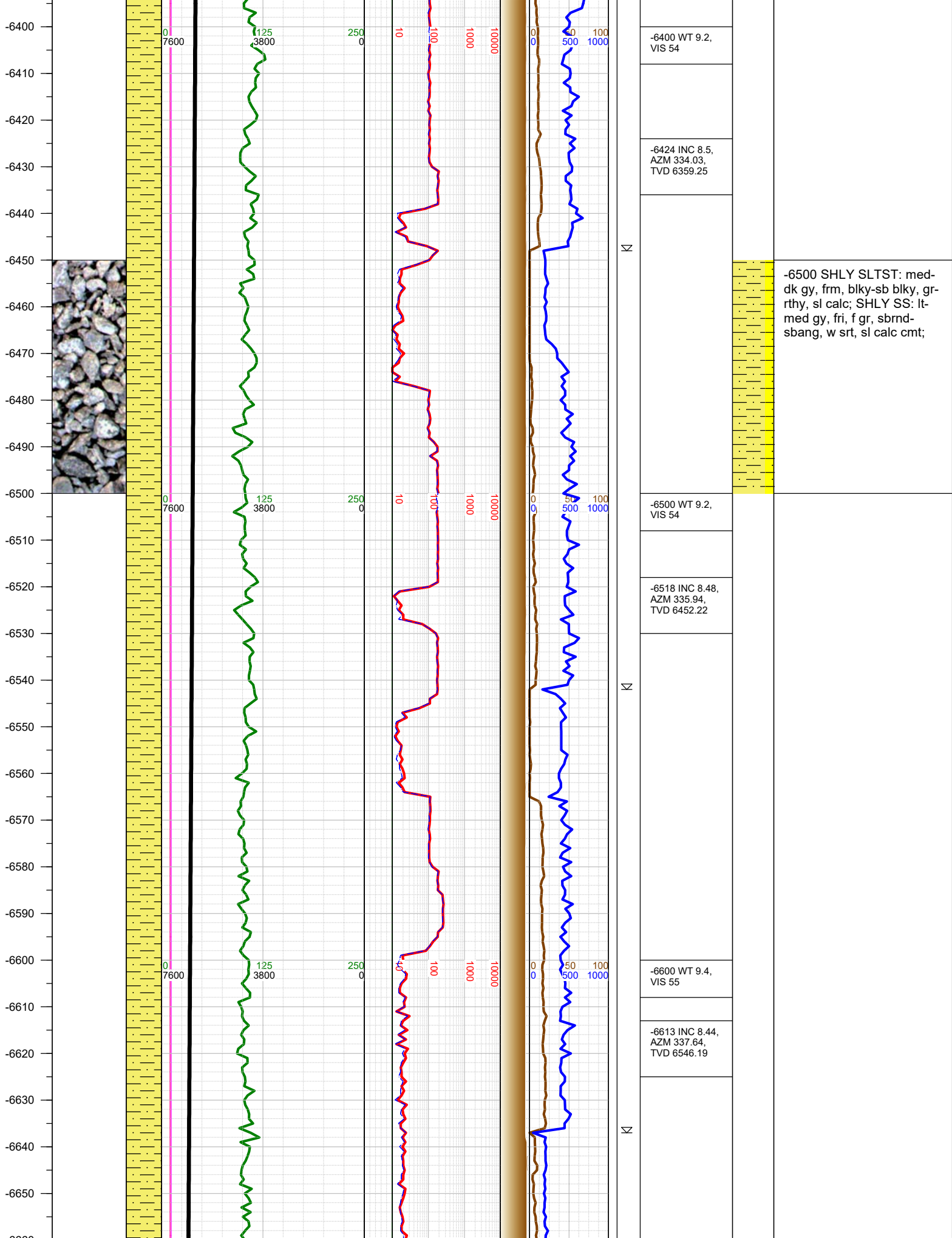
LEGEND

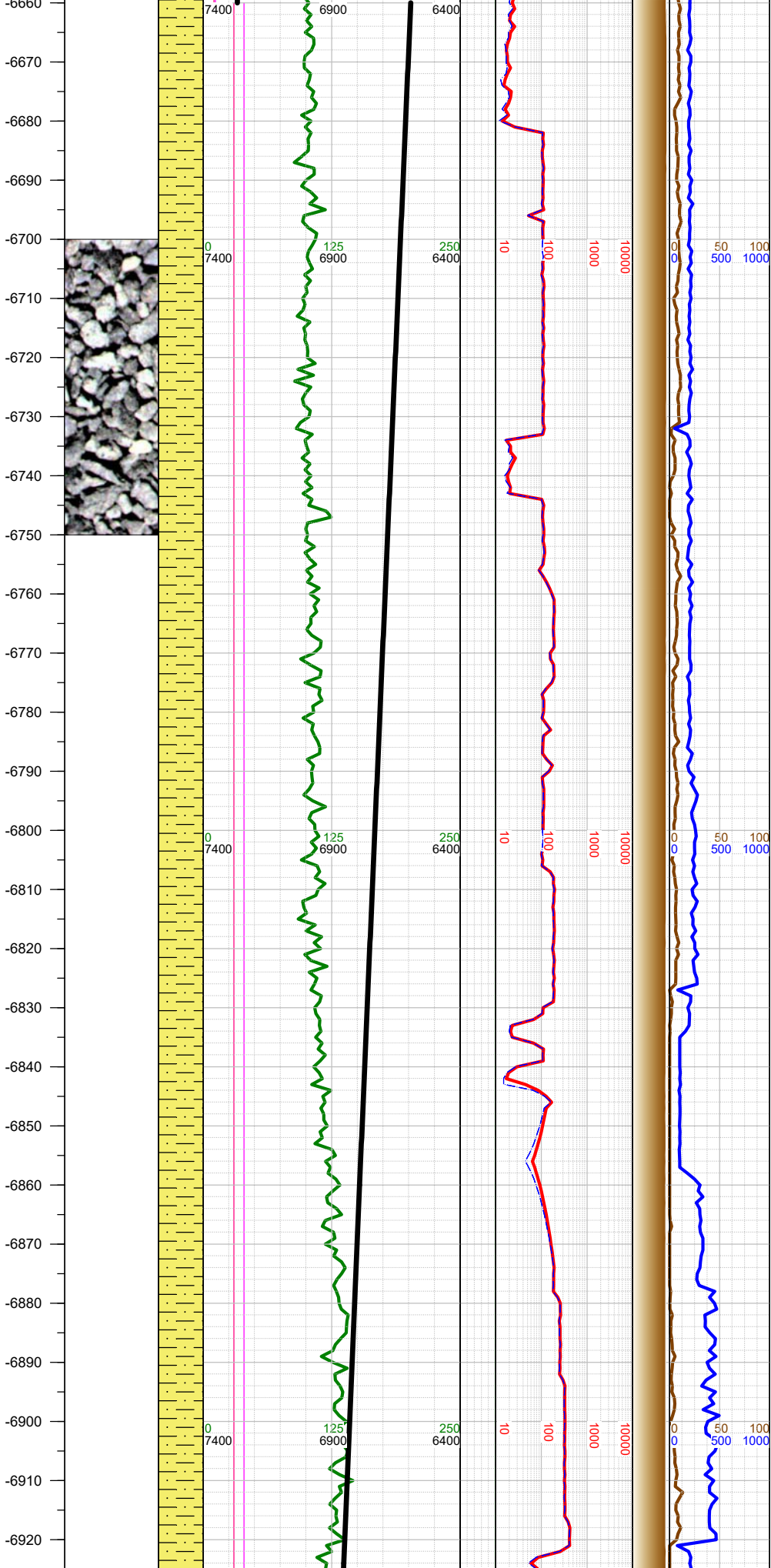


FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT









-6660 Reached KOP of 6660' MD, 6593' TVD at 0515 hrs on 7/6/2018 and immediately began drilling the curve.

-6660 Change TVD Scale

-6700 WT 9.4, VIS 55

-6708 INC 2.44, AZM 308.23, TVD 6640.73

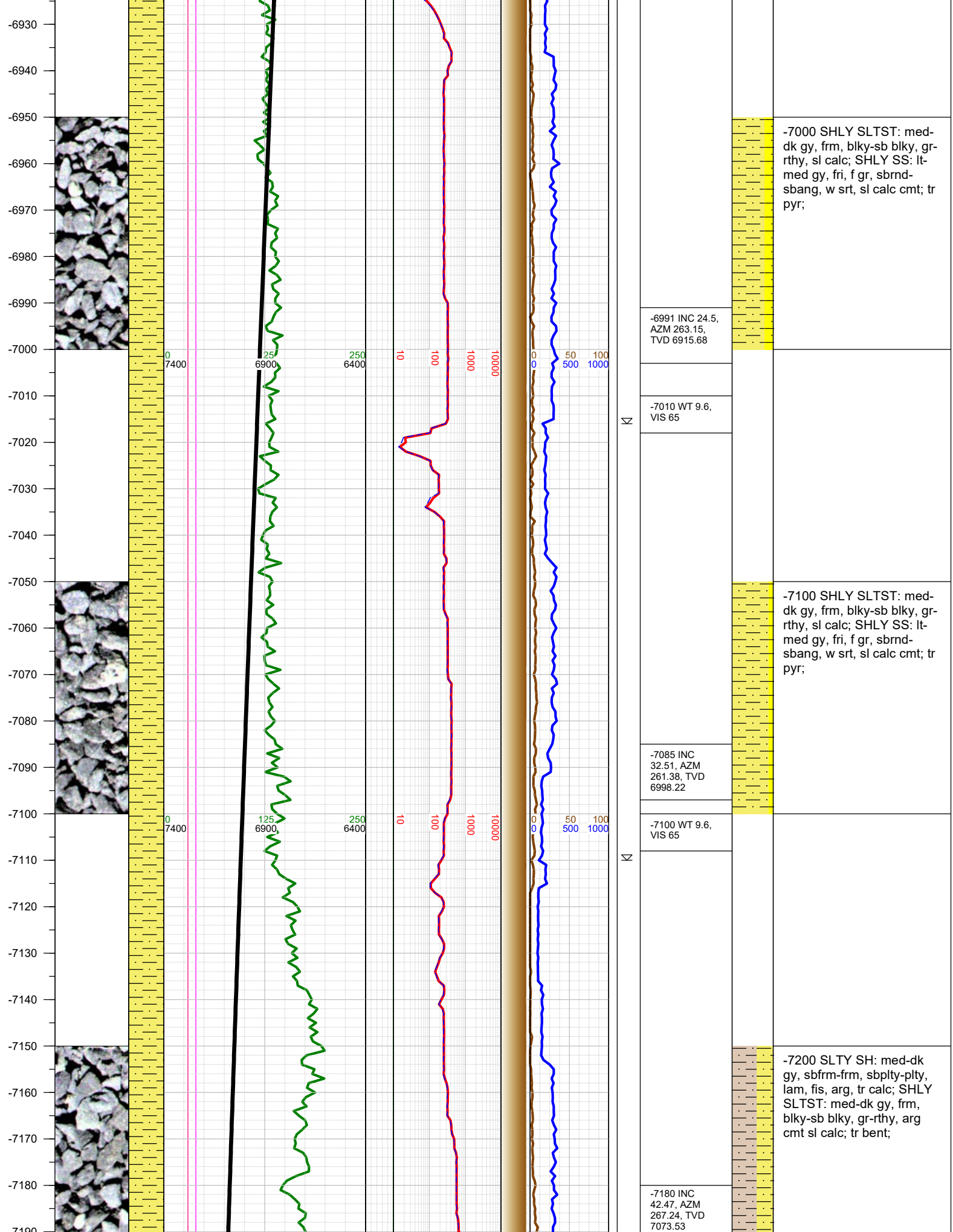
-6803 INC 5.79, AZM 266.48, TVD 6735.49

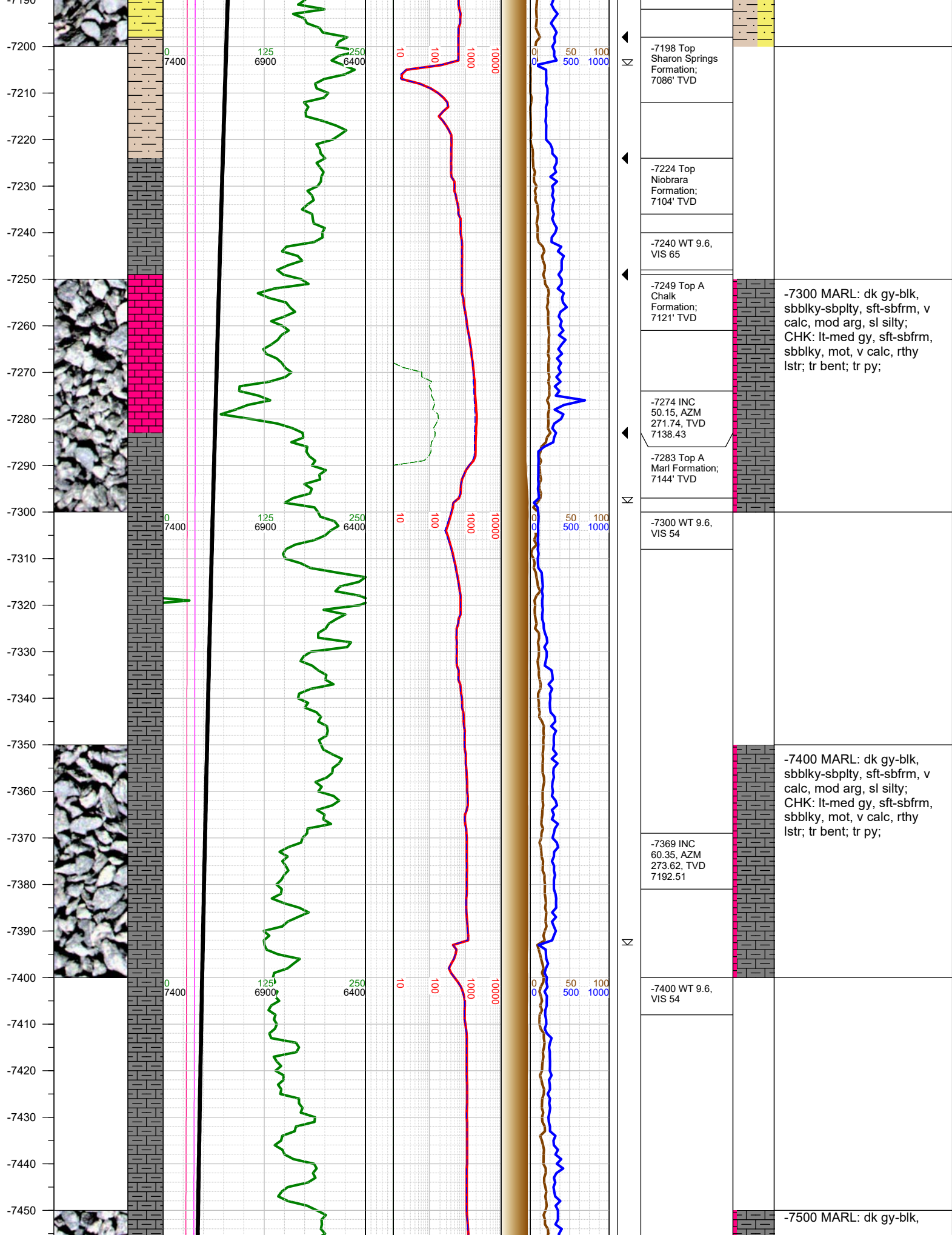
-6820 WT 9.5, VIS 64

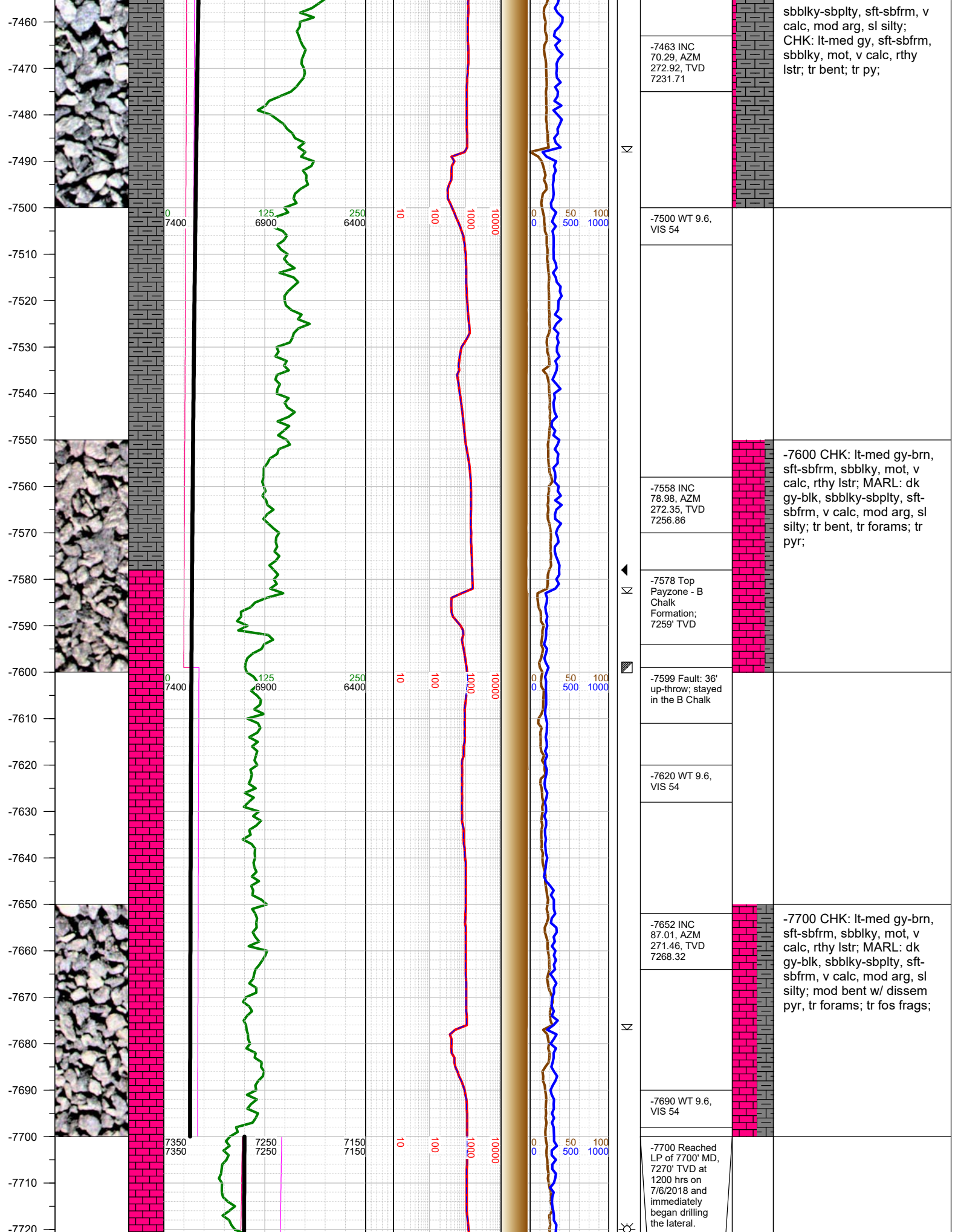
-6897 INC 16.25, AZM 269.79, TVD 6827.63

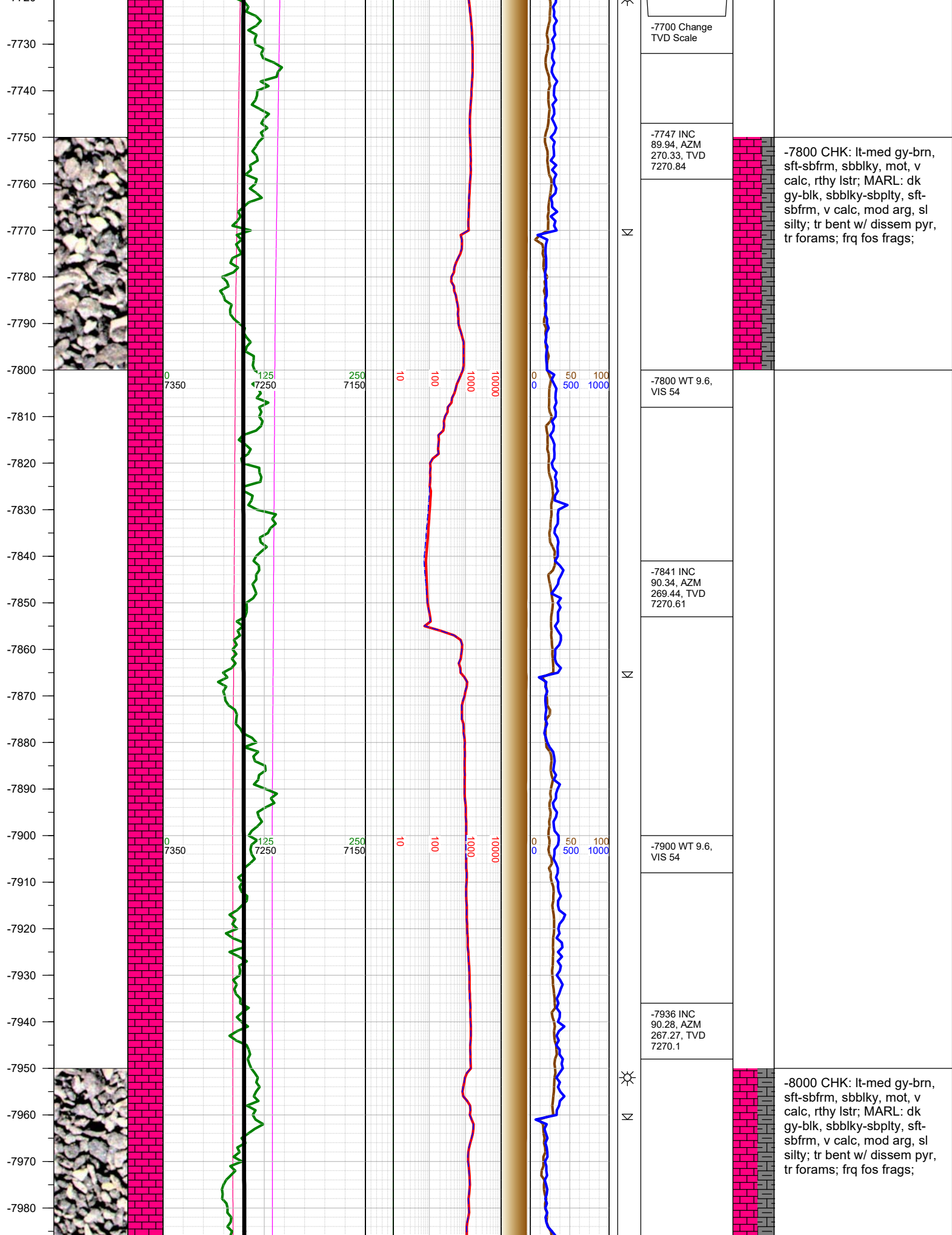
-6910 WT 9.5, VIS 64

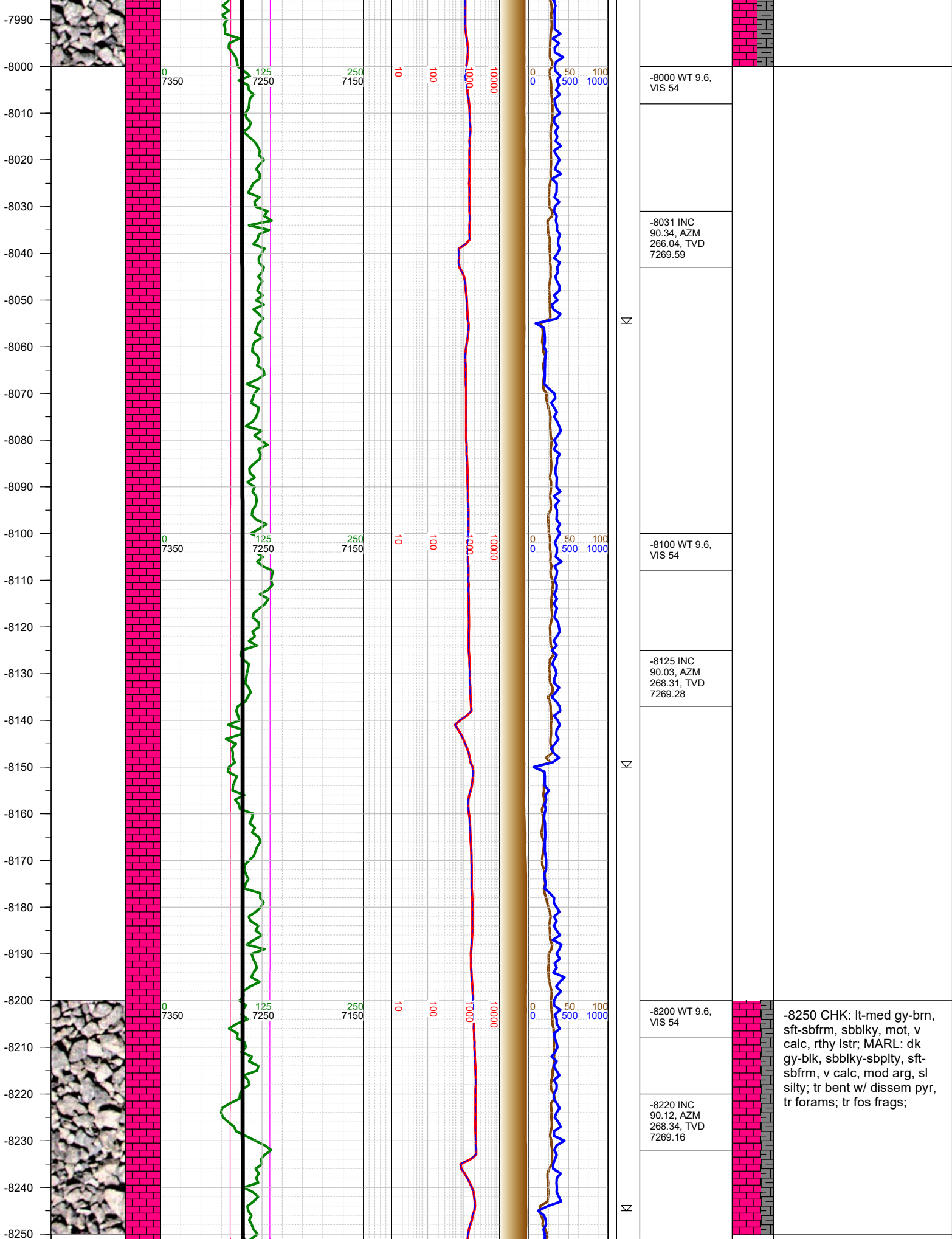
-6750 SHLY SLTST: med-dk gy, frm, blk-y-sb blk-y, gr-rthy, sl calc; SHLY SS: lt-med gy, fri, f gr, sbnd-sbang, w srt, sl calc cmt;

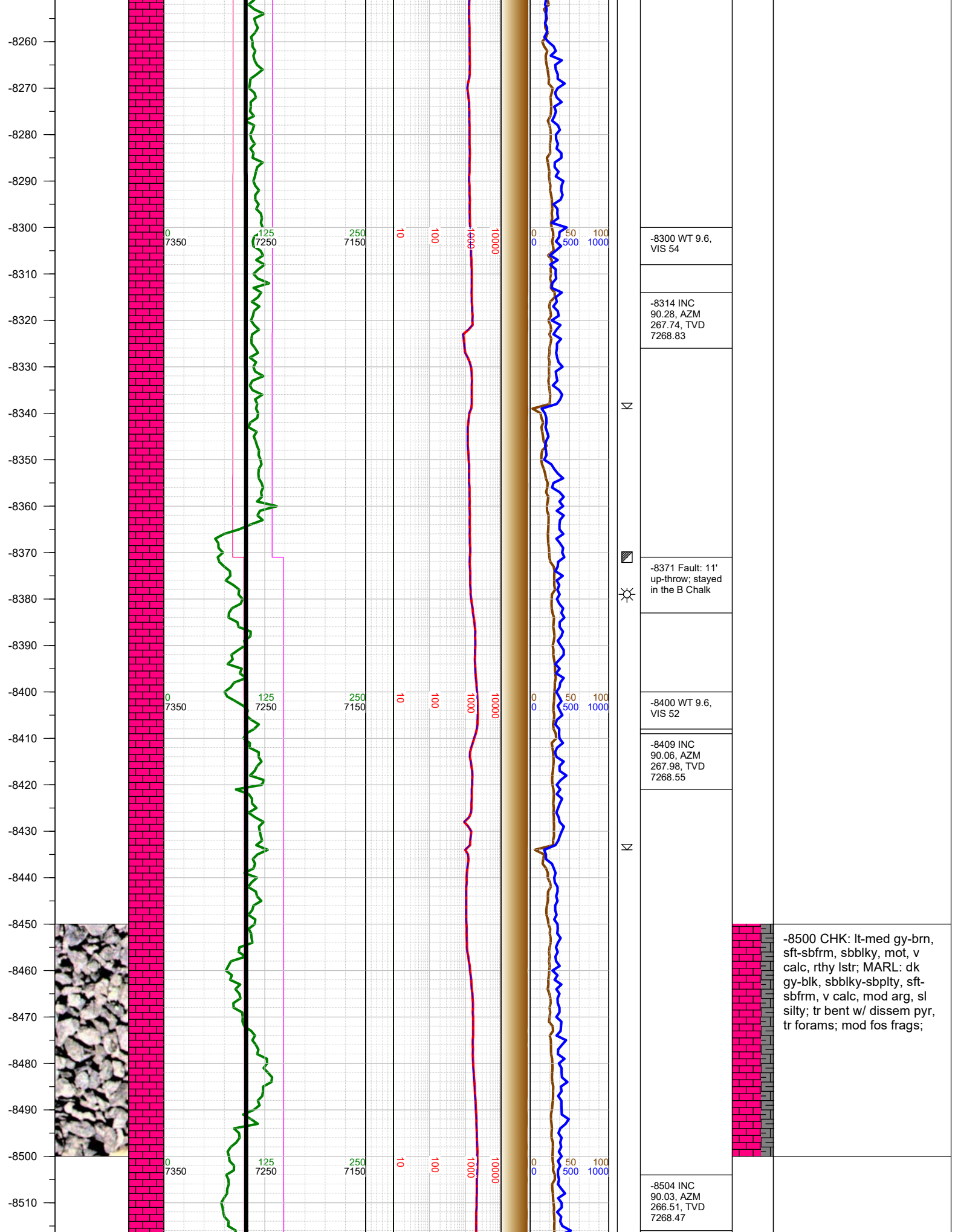




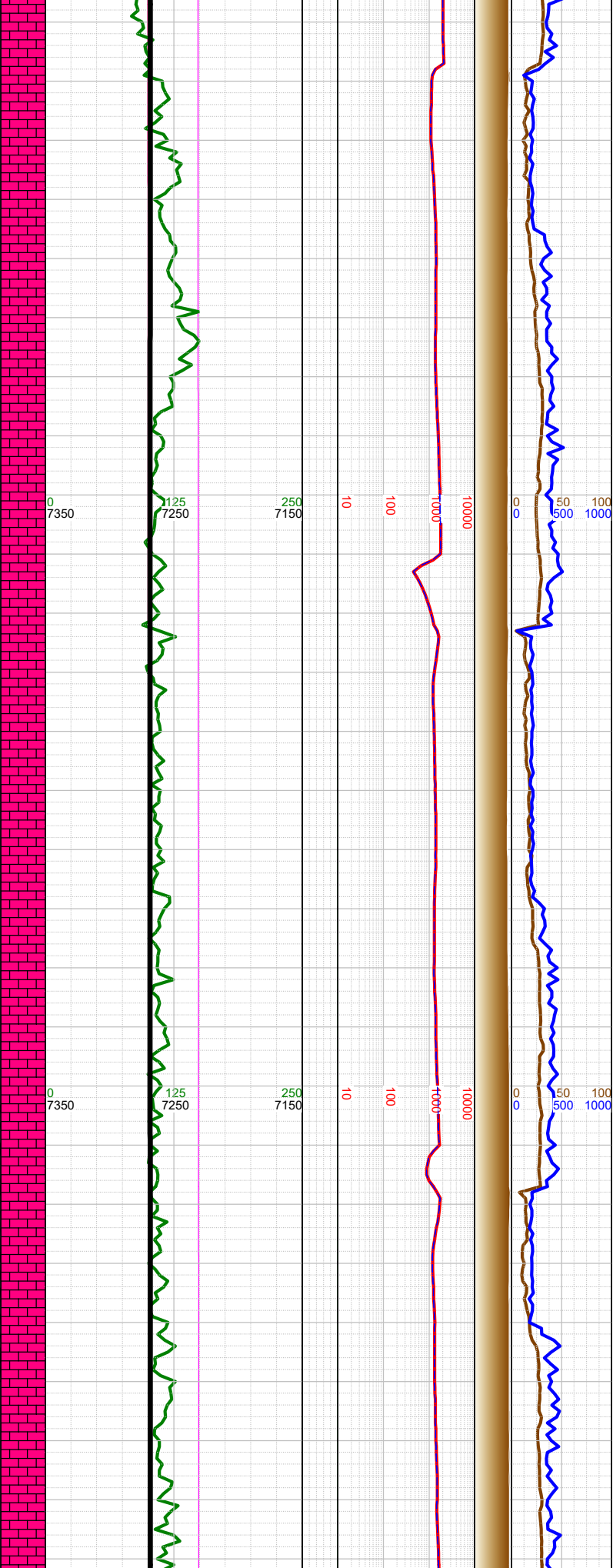
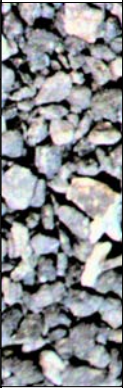




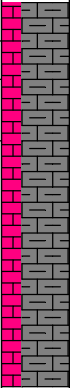




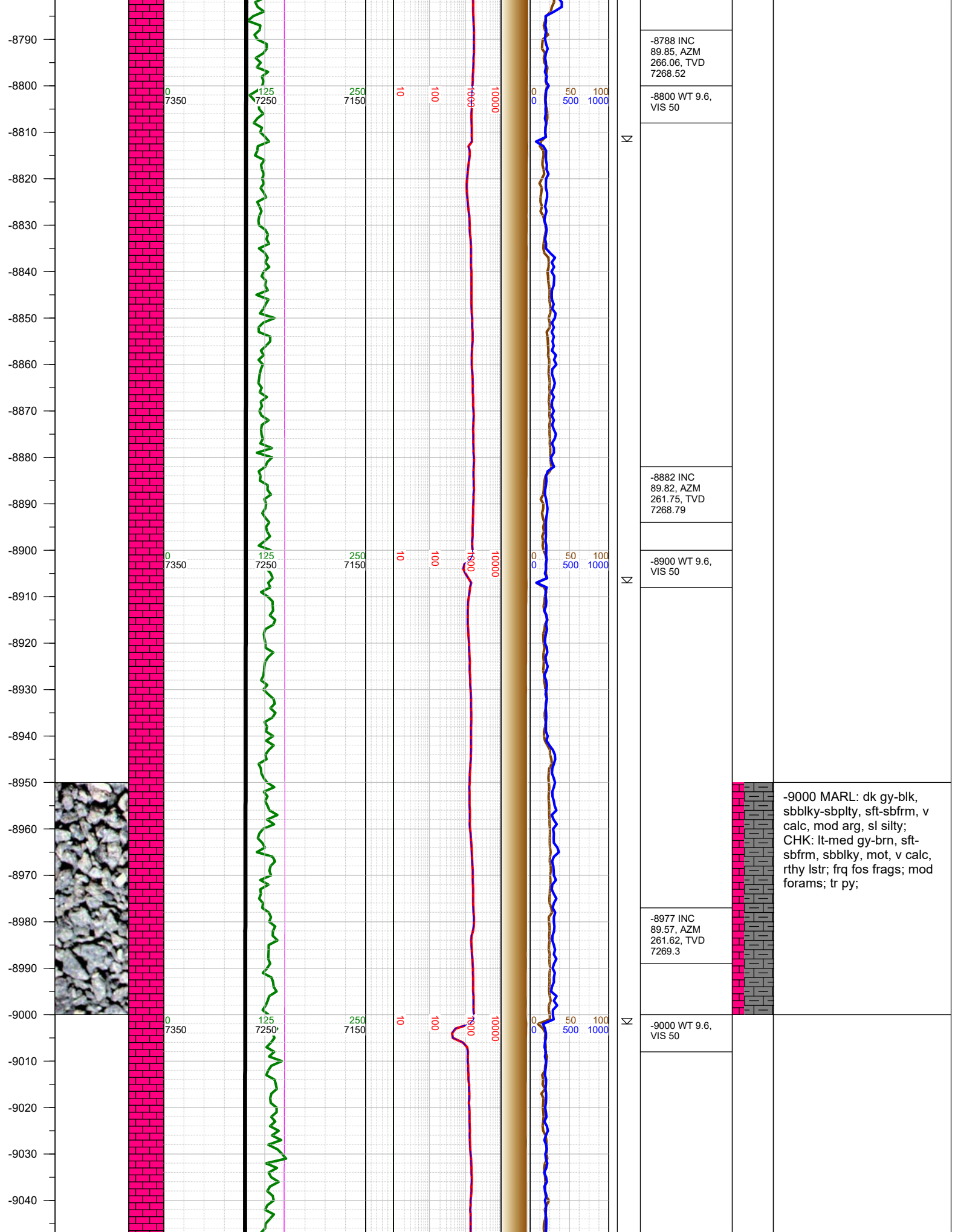
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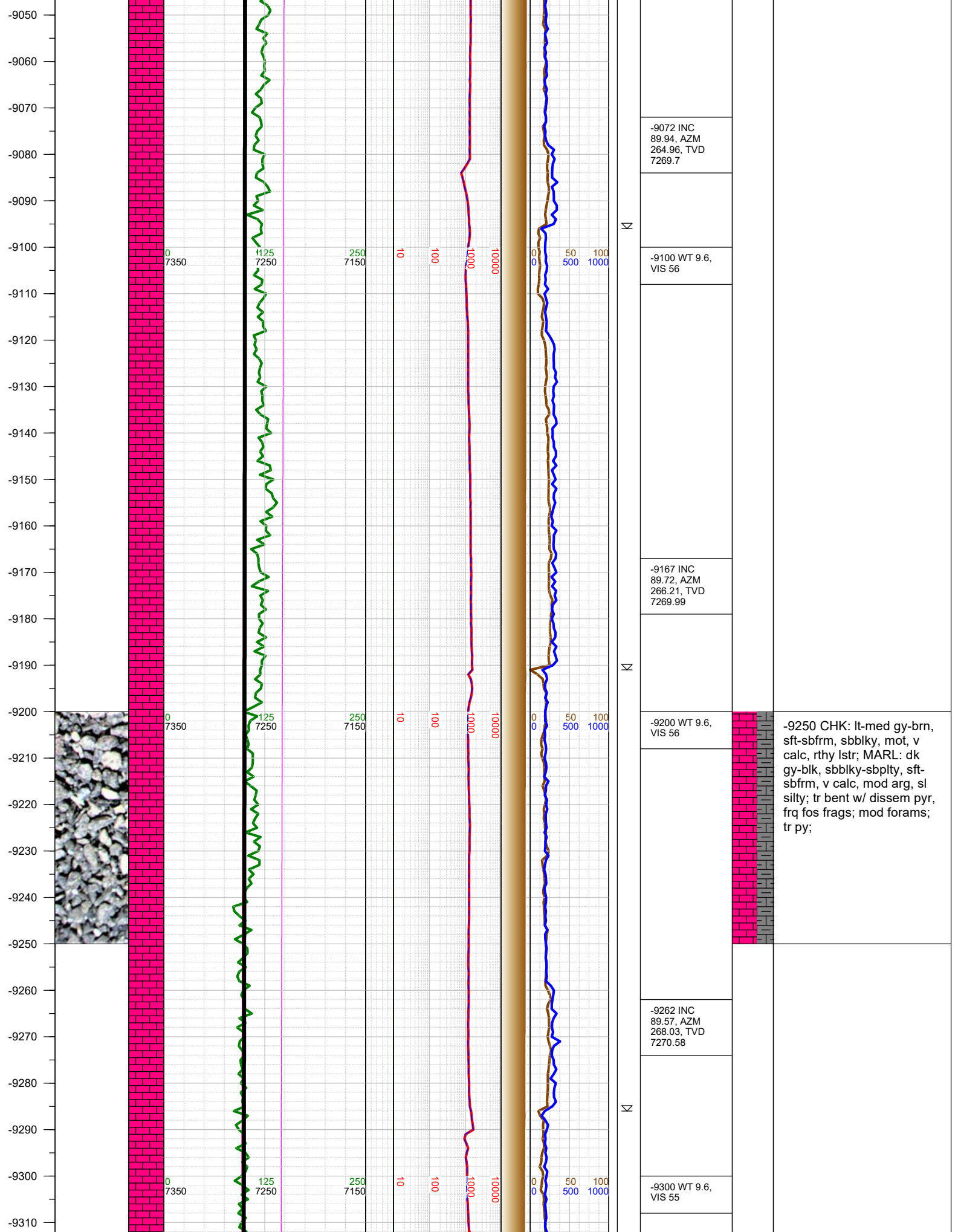


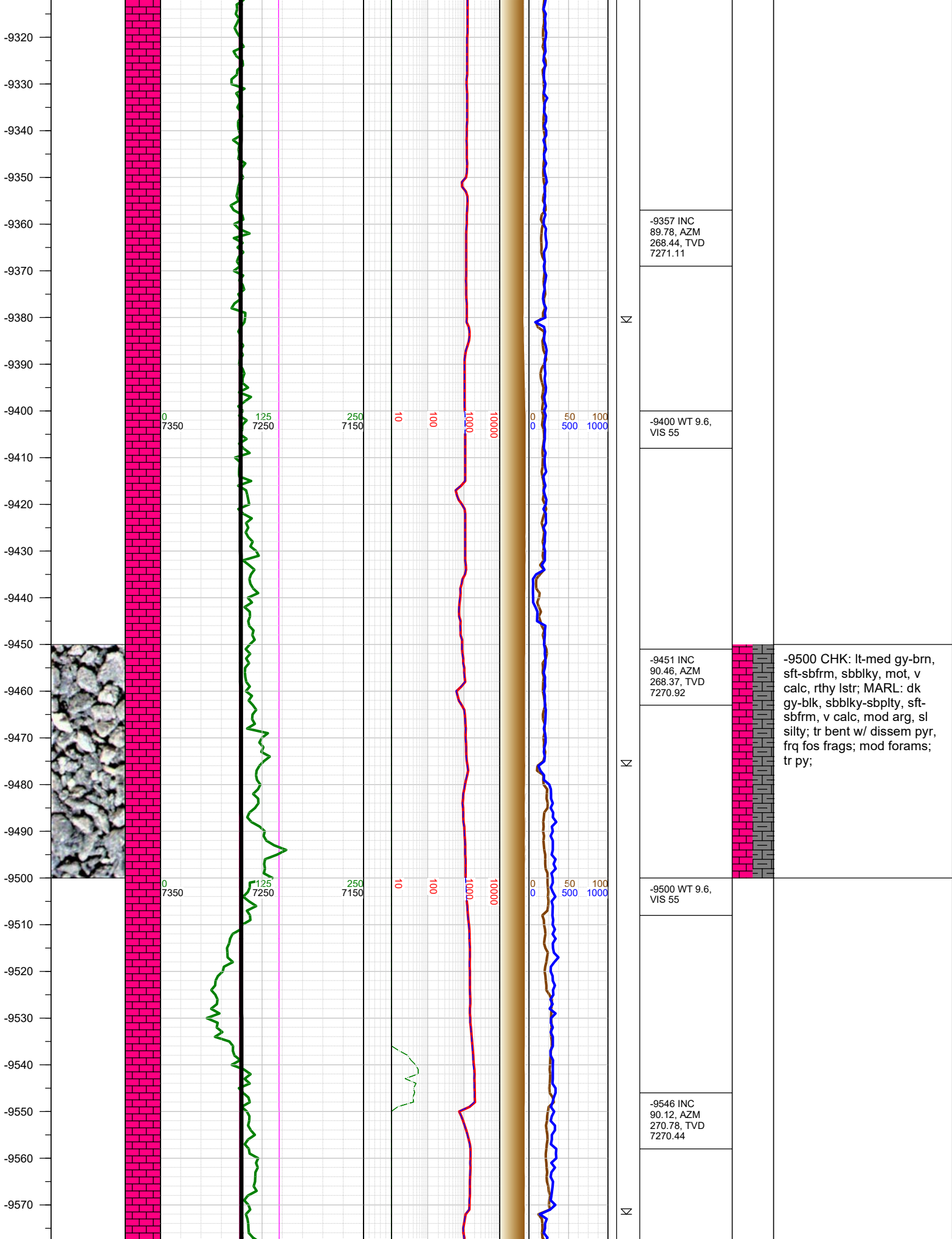
N	-8520 WT 9.6, VIS 52
☀	-8598 INC 89.75, AZM 265.12, TVD 7268.65
	-8610 WT 9.6, VIS 52
N	
	-8693 INC 90.28, AZM 269.02, TVD 7268.63
N	-8710 WT 9.6, VIS 52

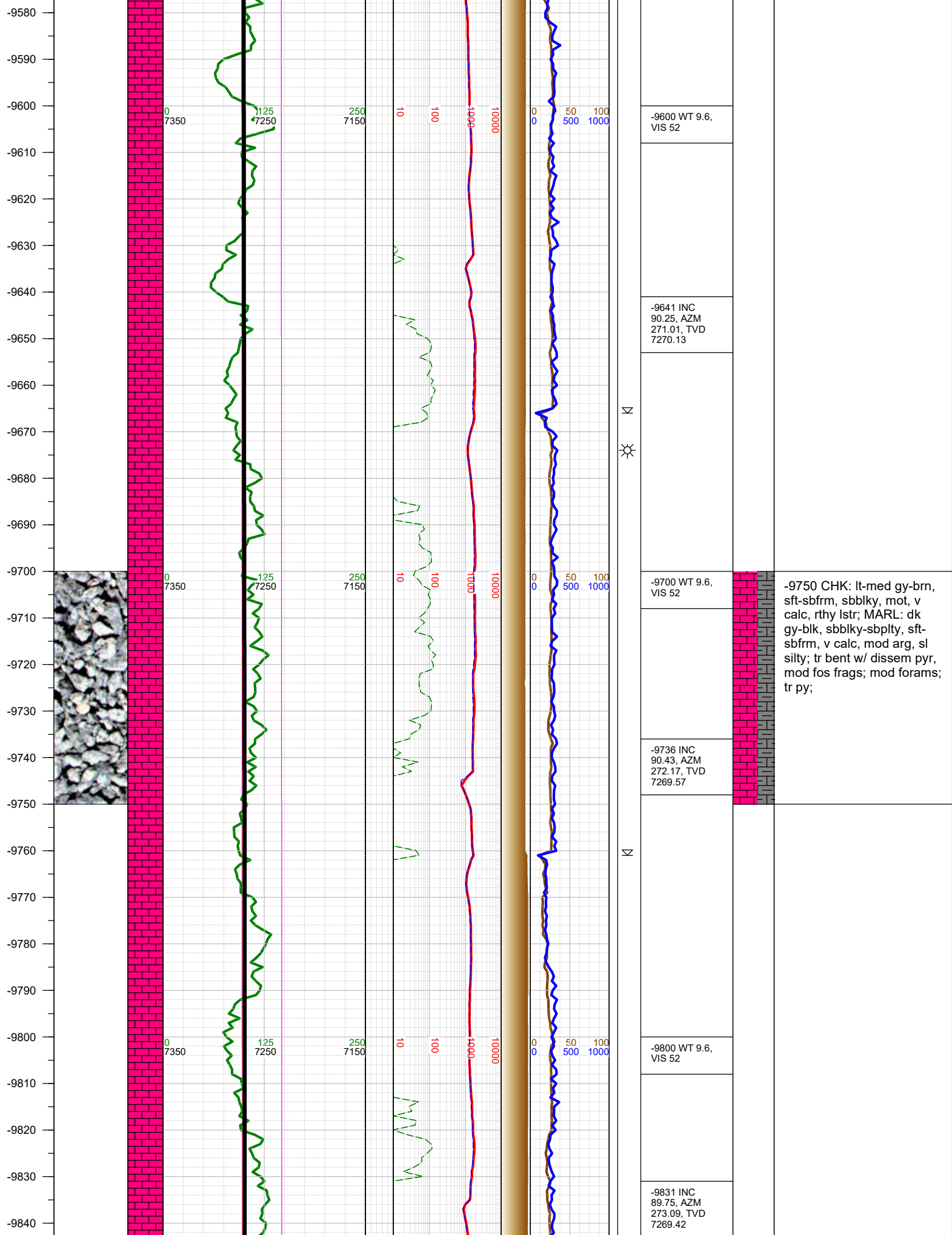


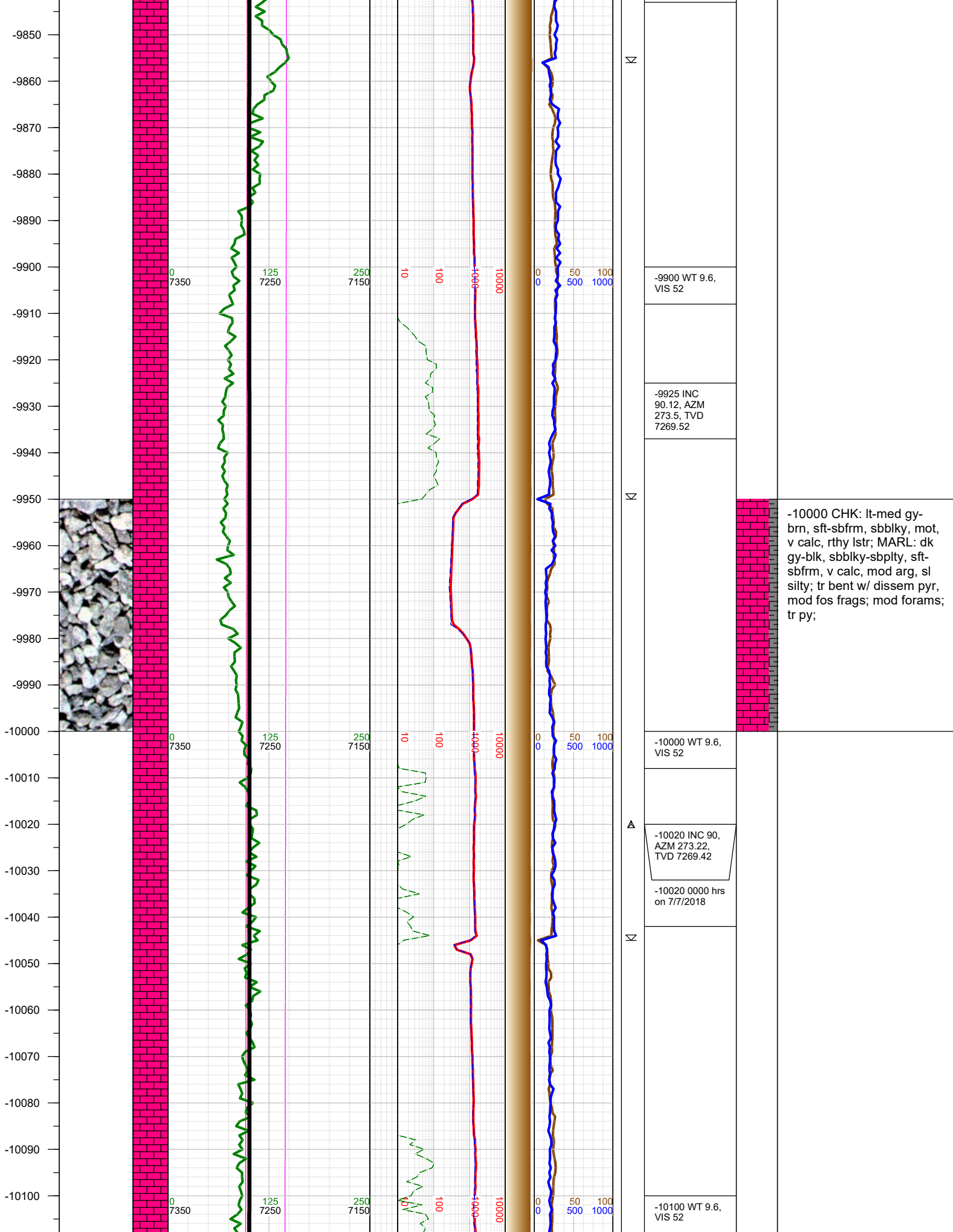
-8750 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; frq fos frags; mod forams; tr py;

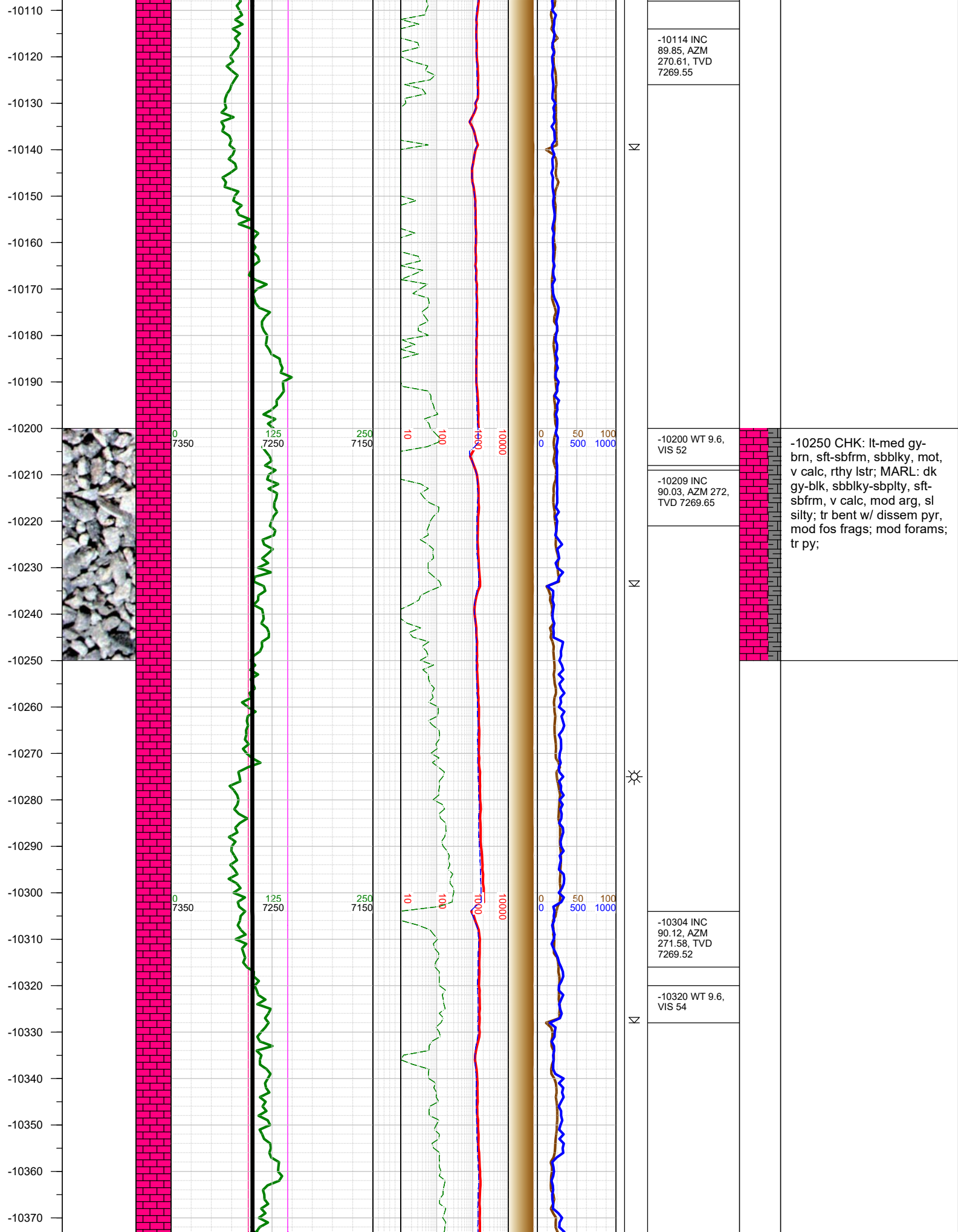


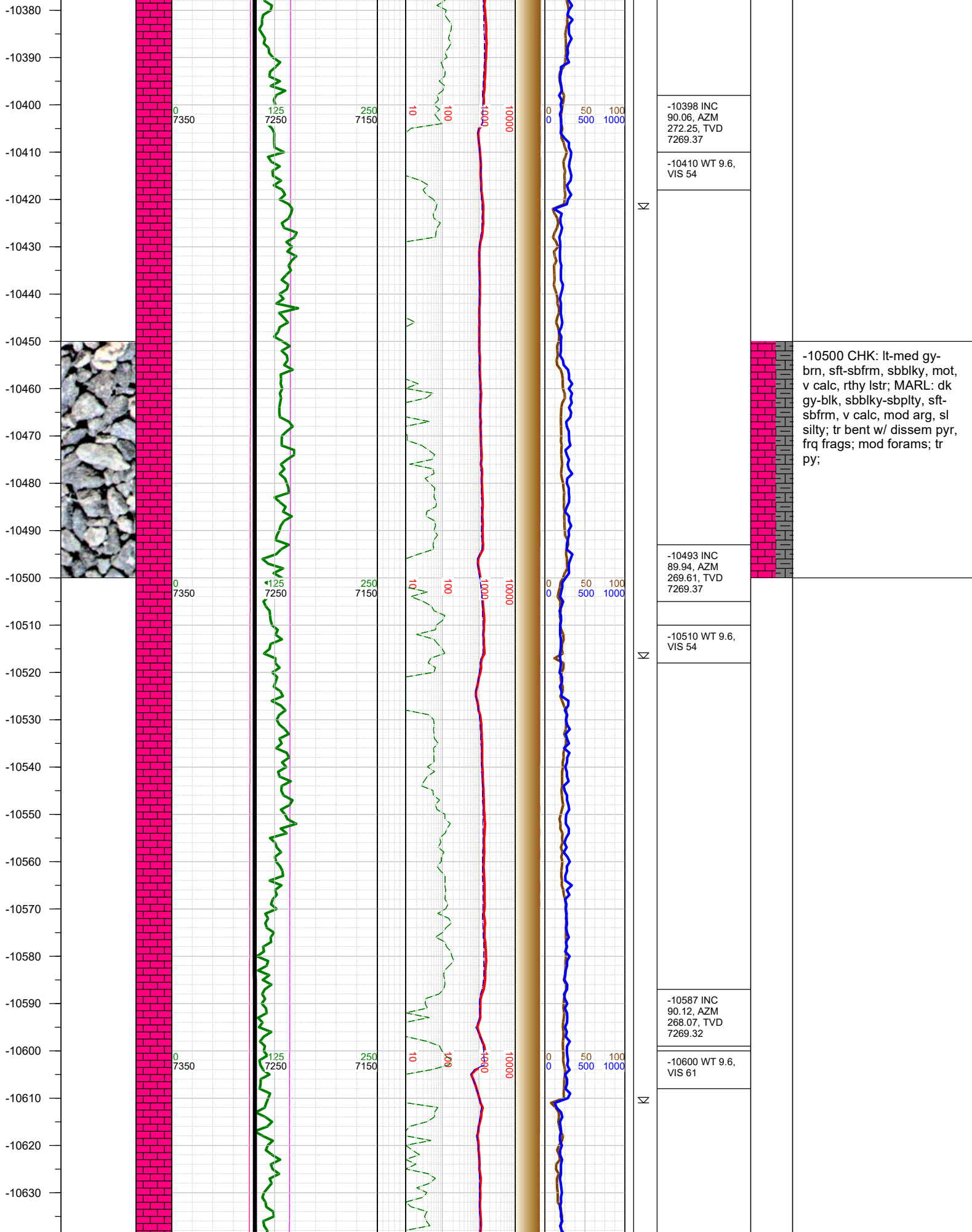


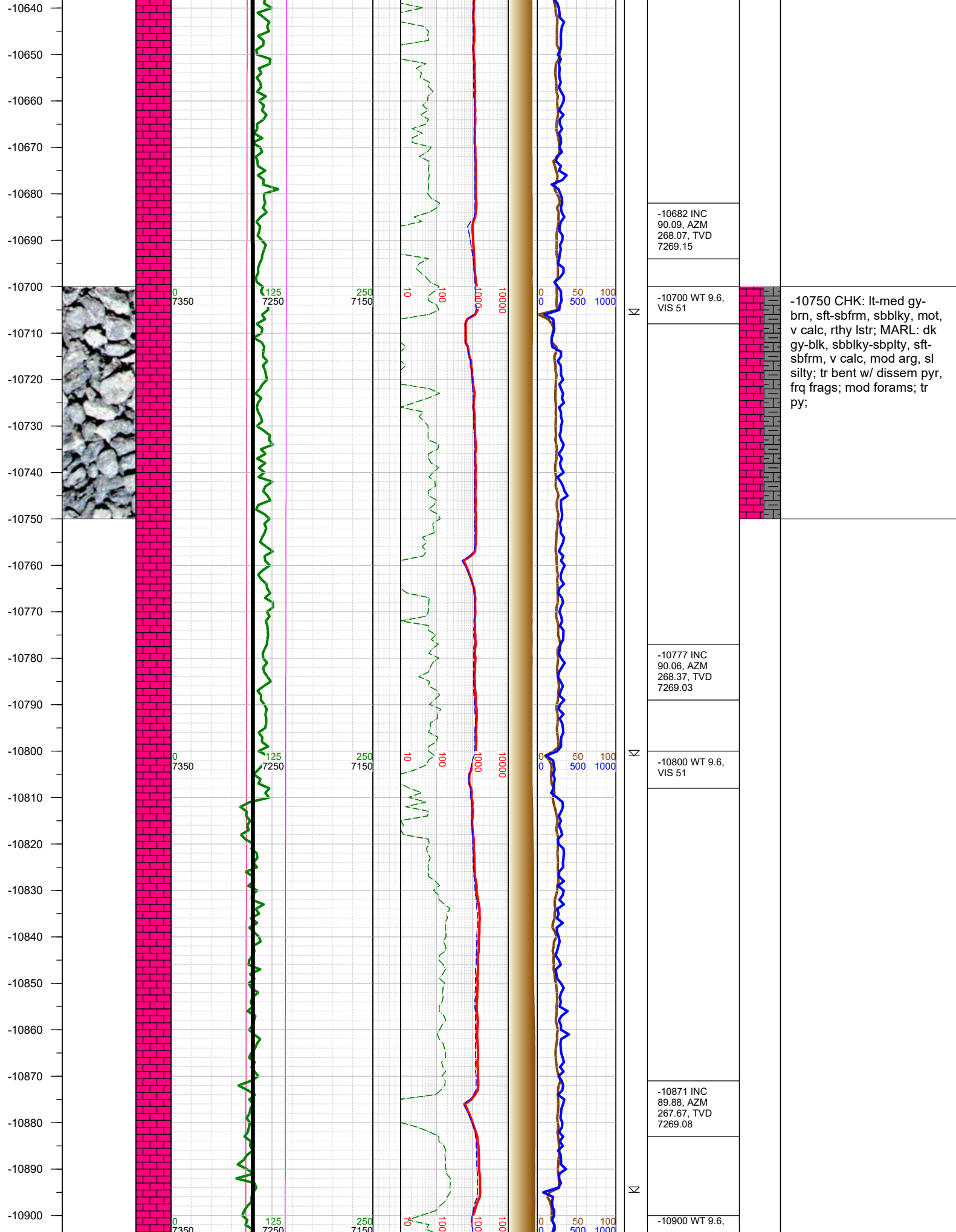




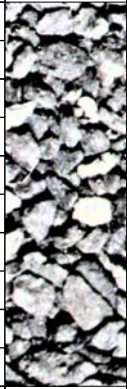








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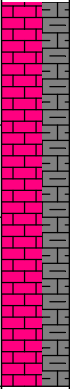
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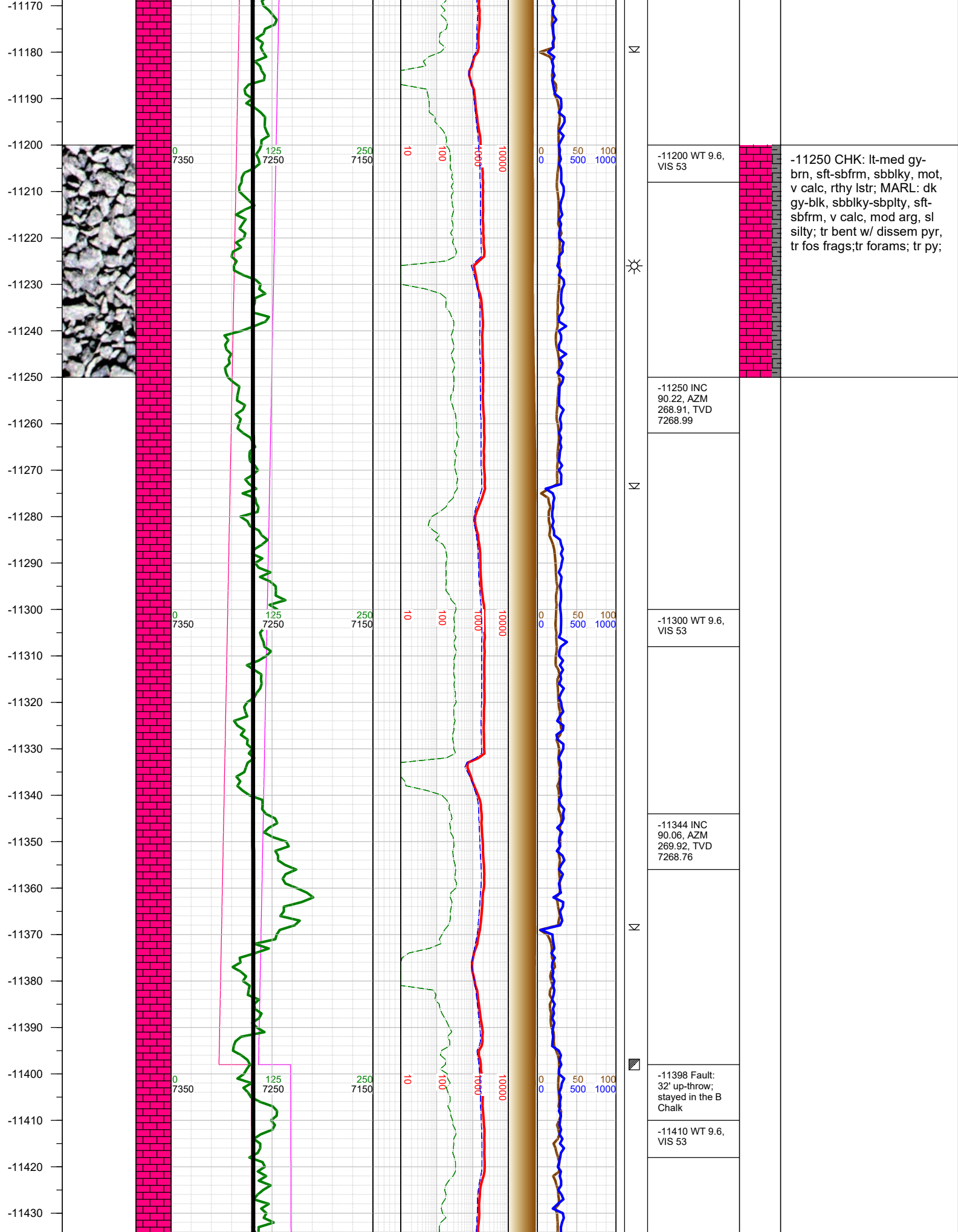
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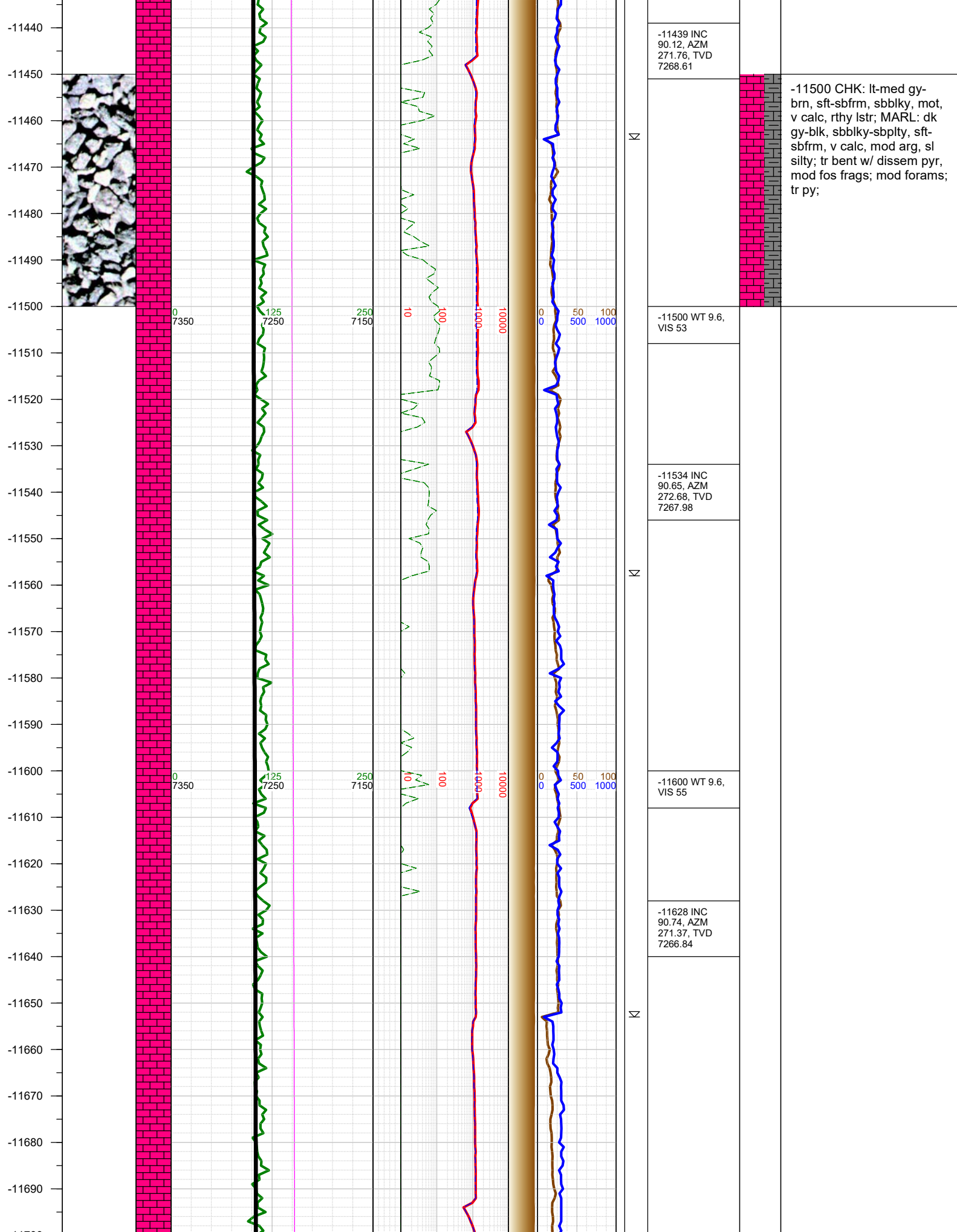
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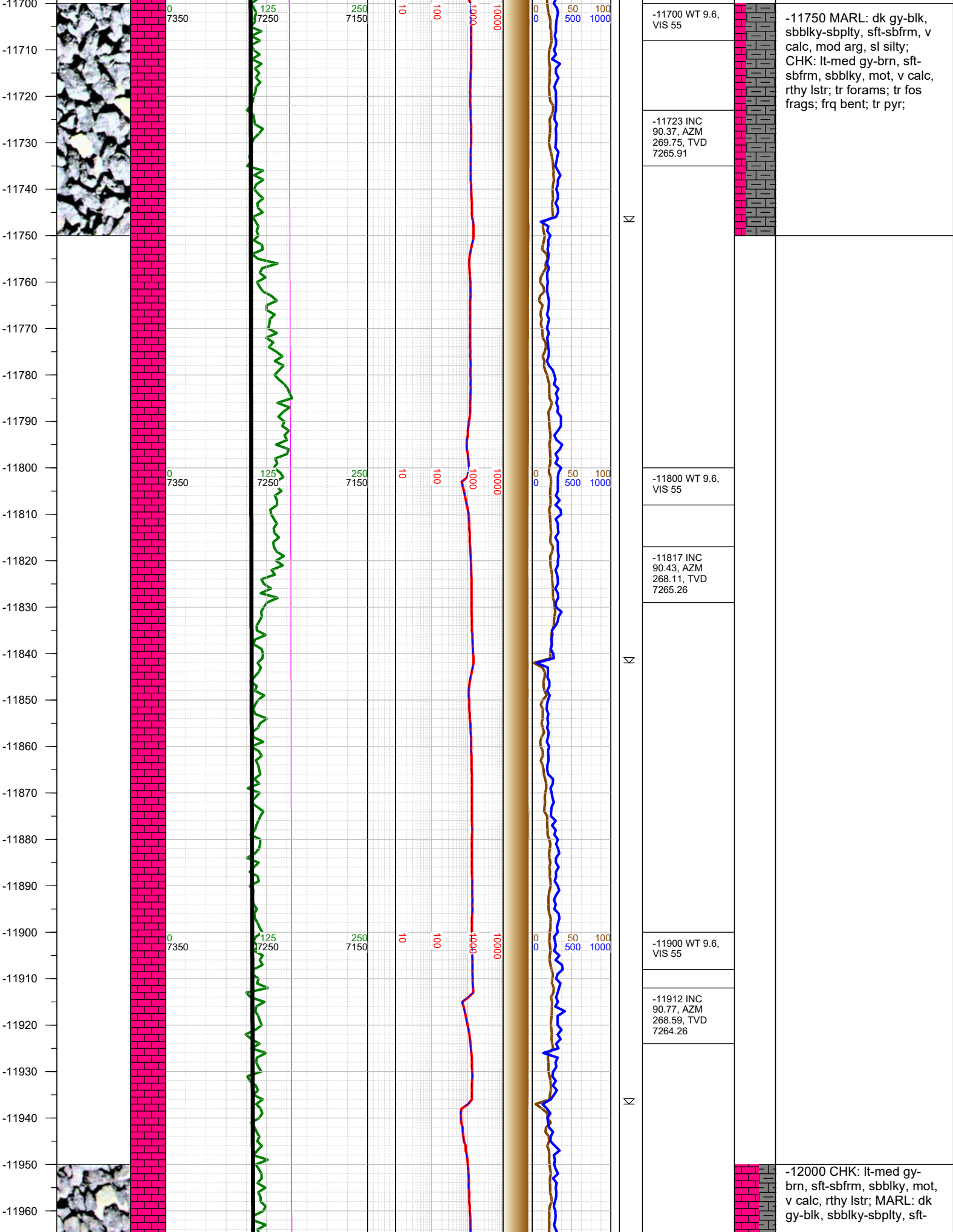
VIS 51
-10966 INC 90.03, AZM 266.79, TVD 7269.15
-11000 WT 9.6, VIS 53
-11060 INC 89.97, AZM 267.11, TVD 7269.15
-11100 WT 9.6, VIS 53
-11155 INC 90, AZM 267.58, TVD 7269.18

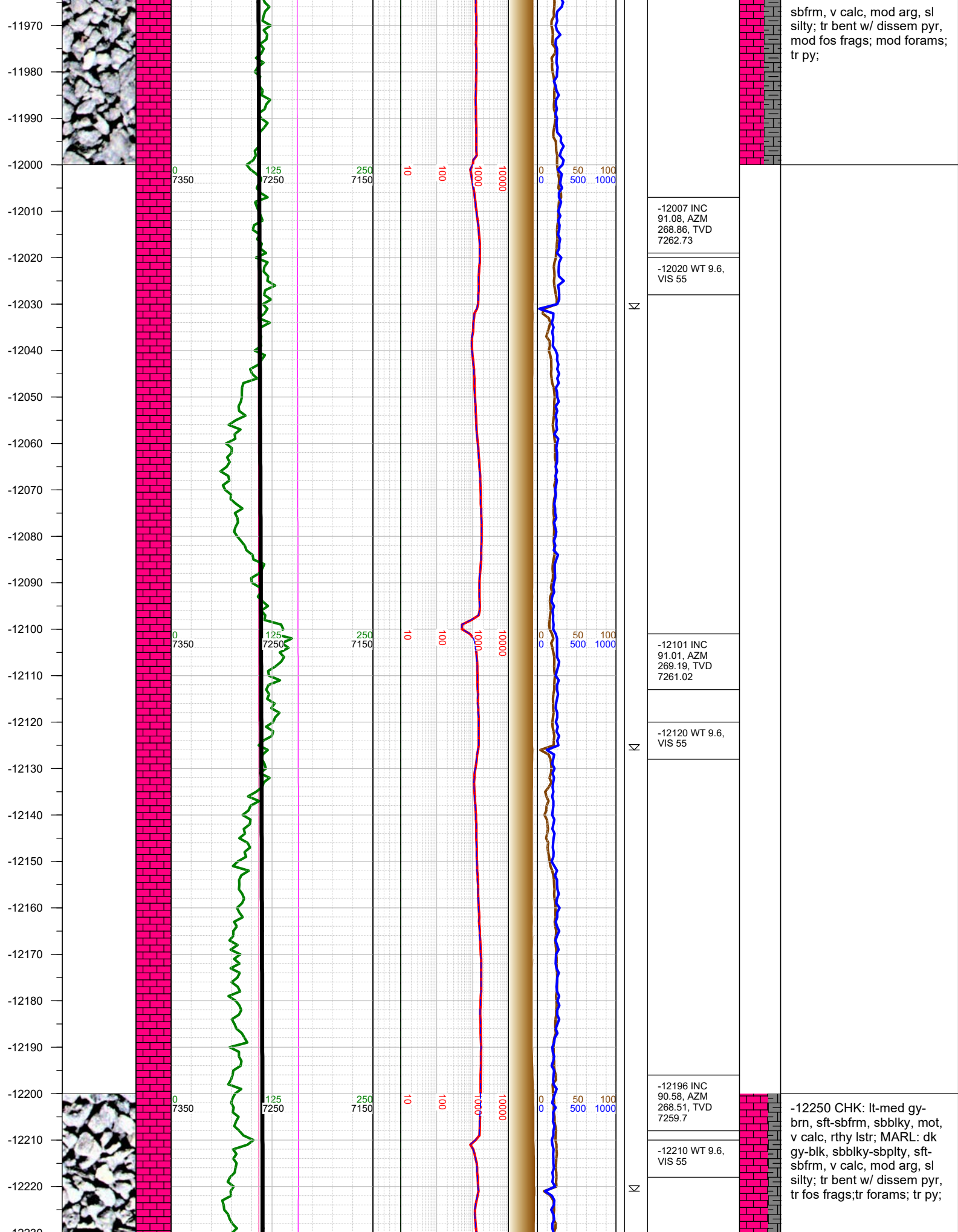


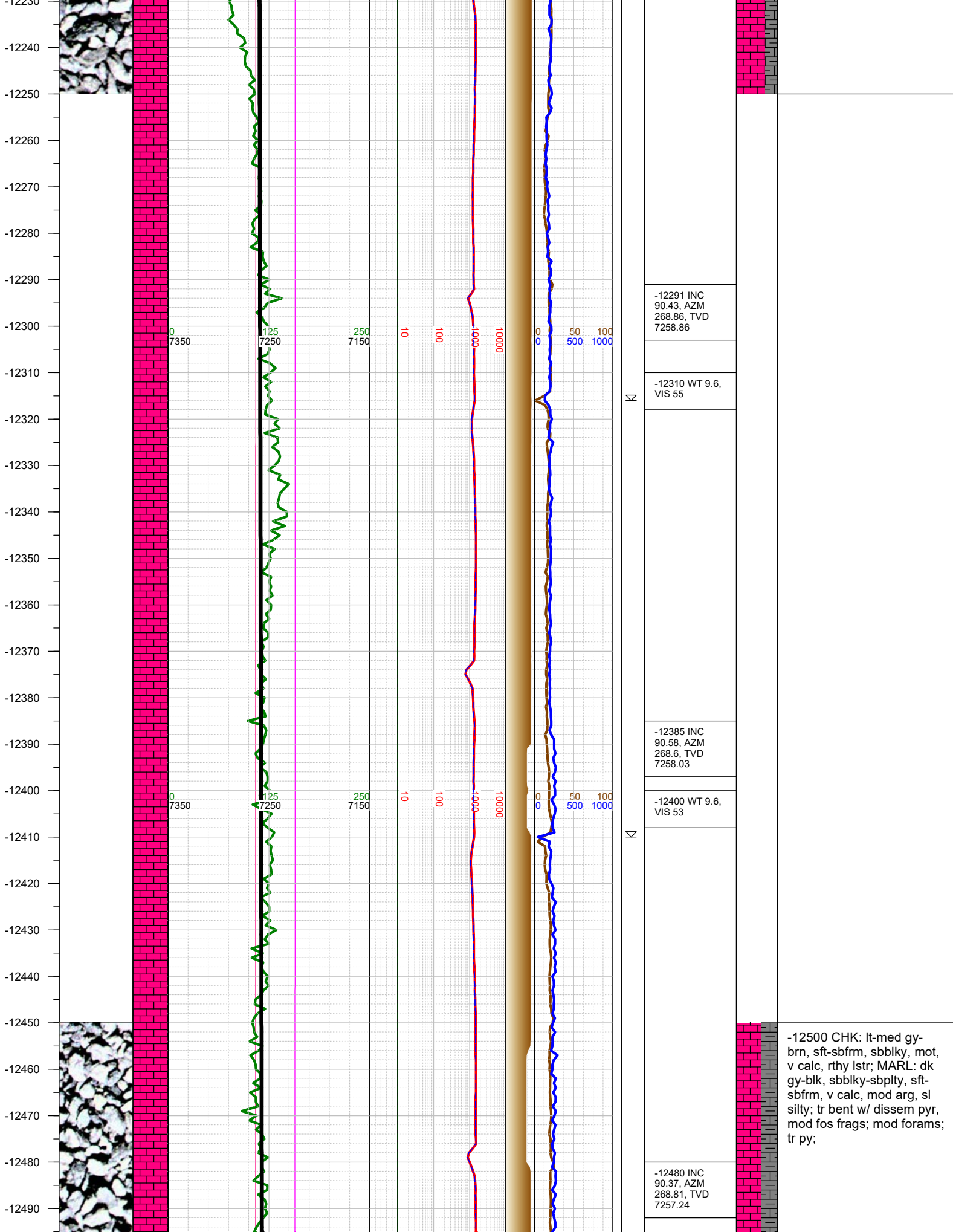
-11000 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, v calc, mod arg, sl silty; tr bent w/ dissem pyr, frq frags; mod forams; tr py;

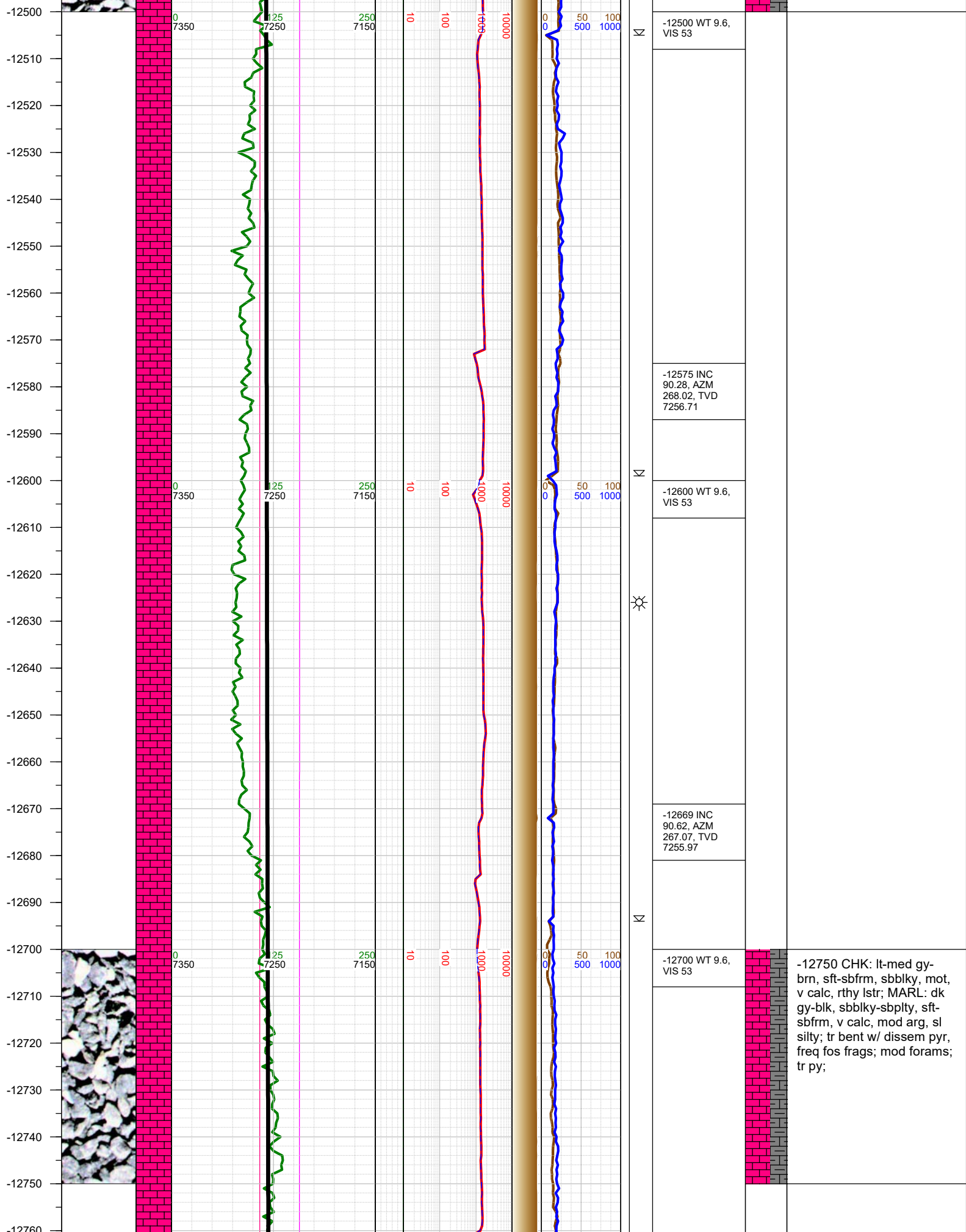


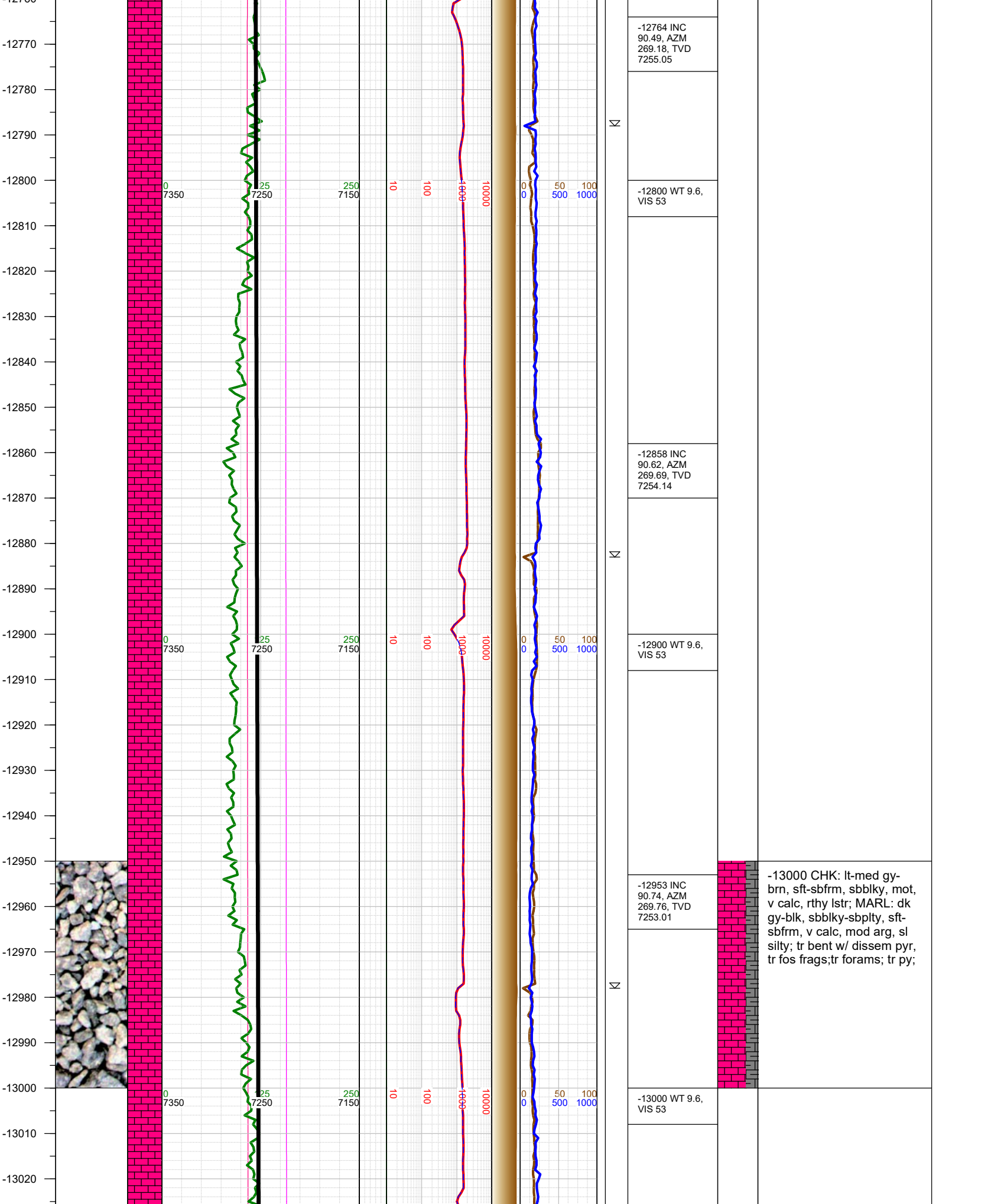




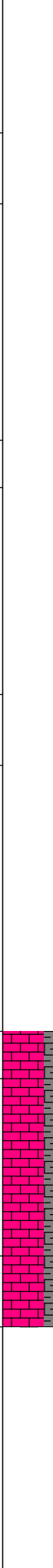
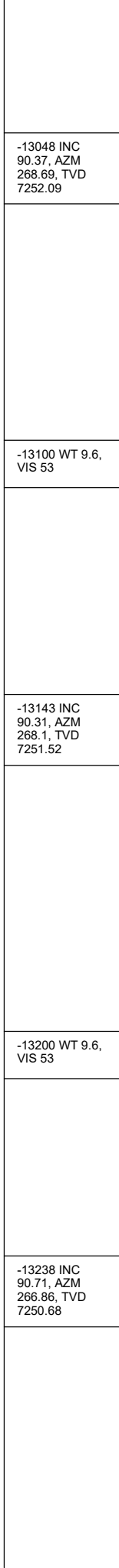
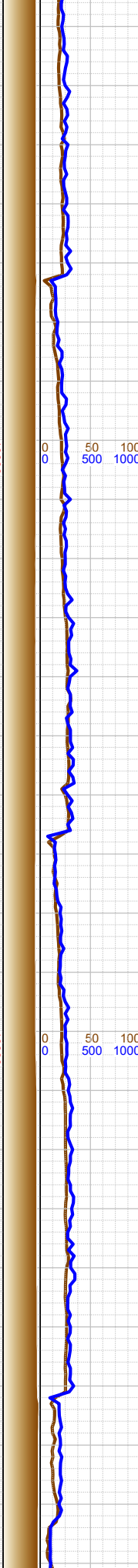
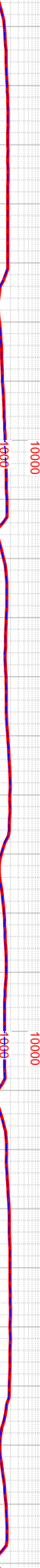
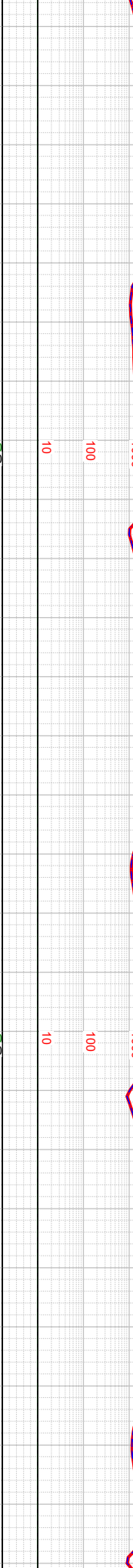
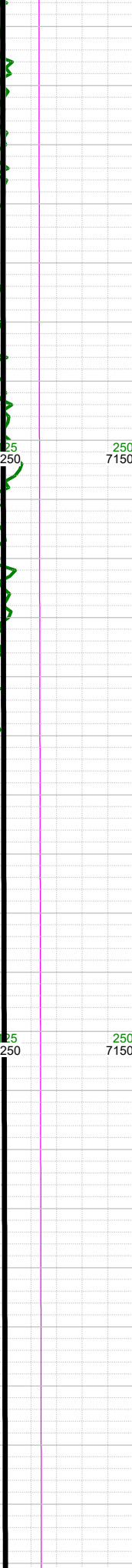
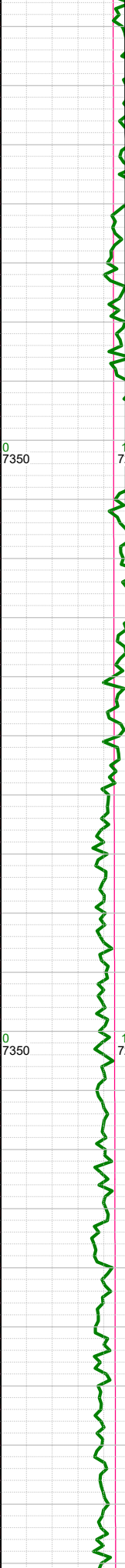
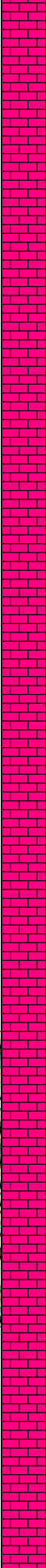








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-13048 INC
90.37, AZM
268.69, TVD
7252.09

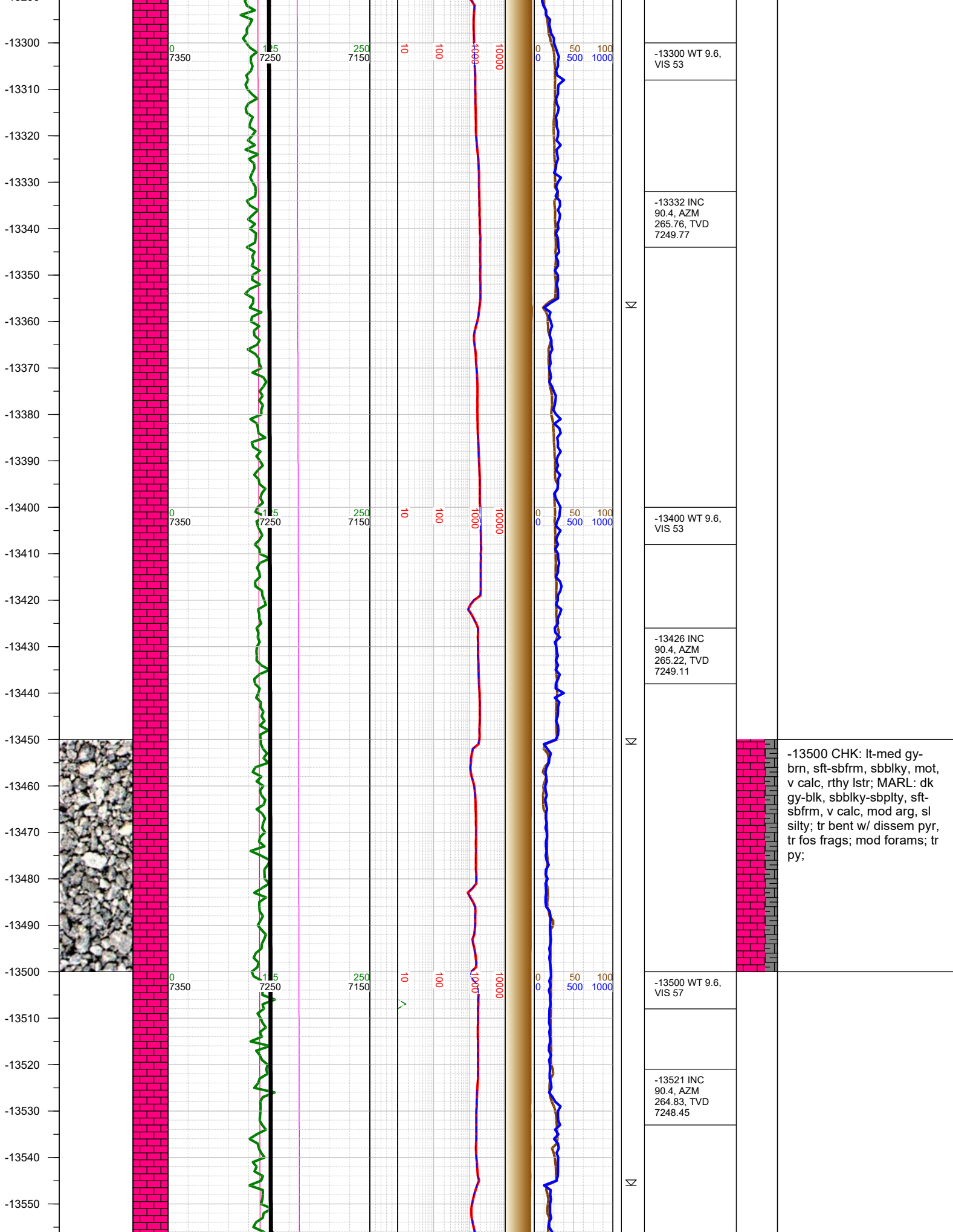
-13100 WT 9.6,
VIS 53

-13143 INC
90.31, AZM
268.1, TVD
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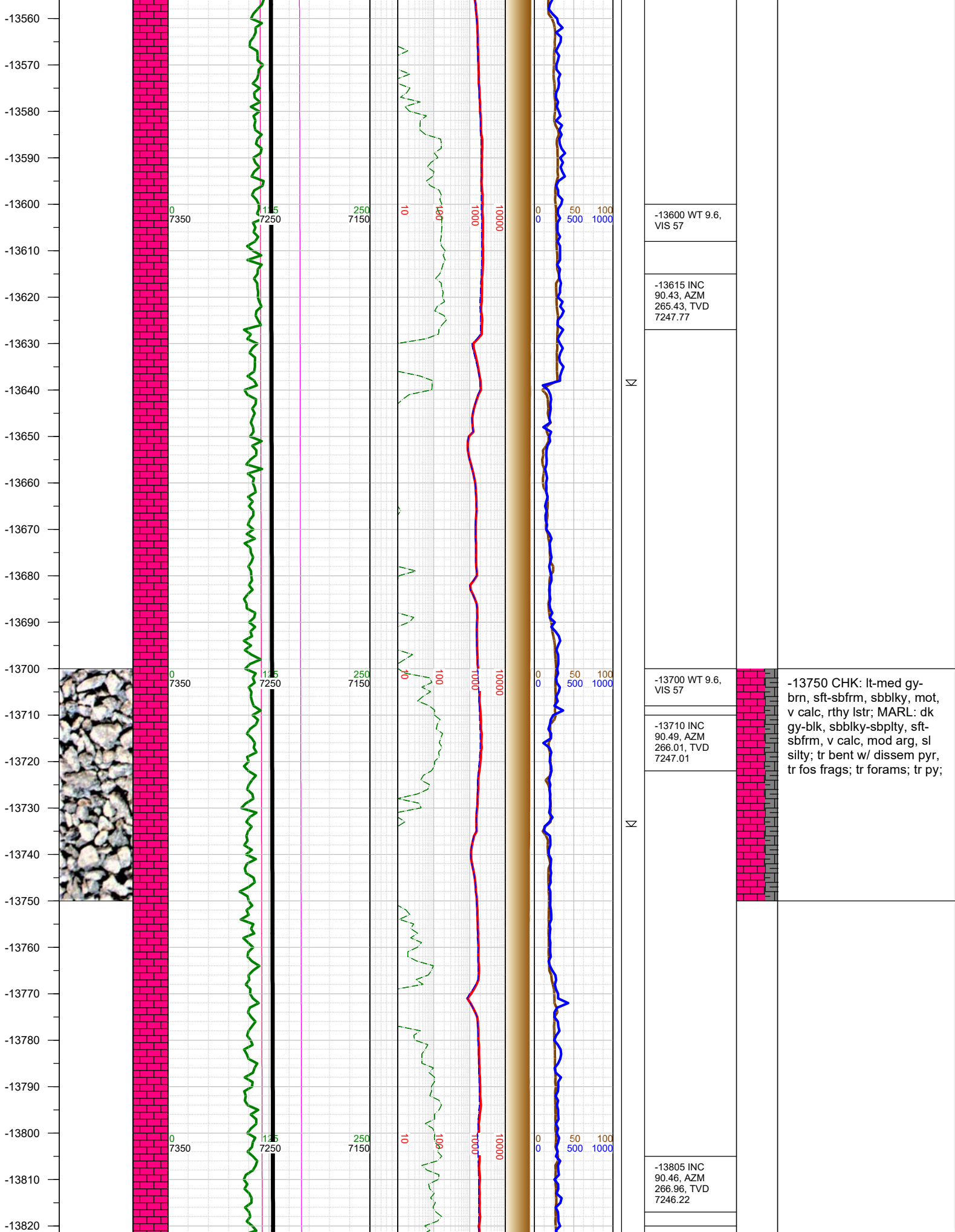
-13200 WT 9.6,
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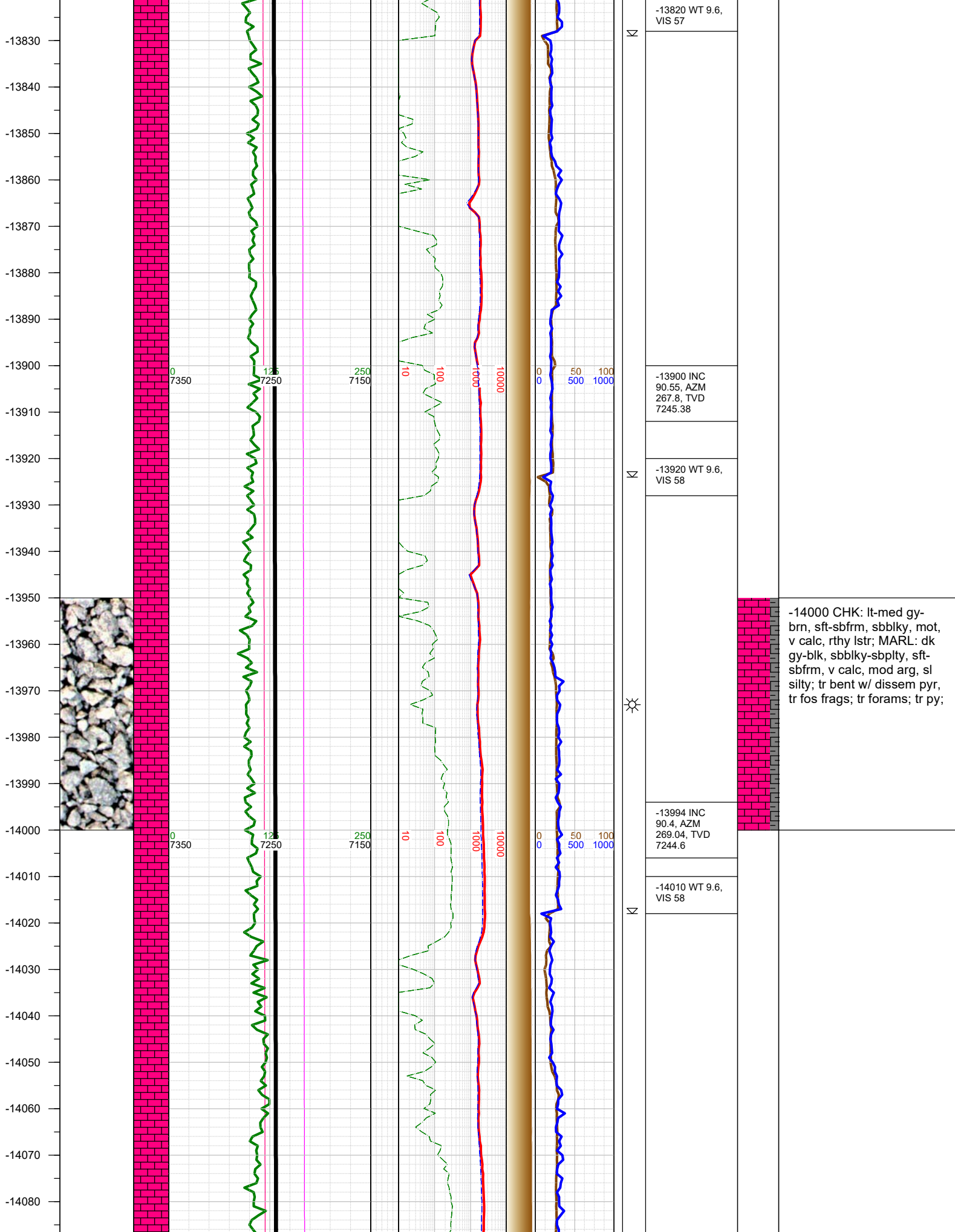
-13238 INC
90.71, AZM
266.86, TVD
7250.68

-13250 CHK: lt-med gy-
bn, sft-sbfrm, sbbkly, mot,
v calc, rthy lstr; MARL: dk
gy-blk, sbbkly-sbply, sft-
sbfrm, v calc, mod arg, sl
silty; tr bent w/ dissem pyr,
tr fos frags; mod forams; tr
py;

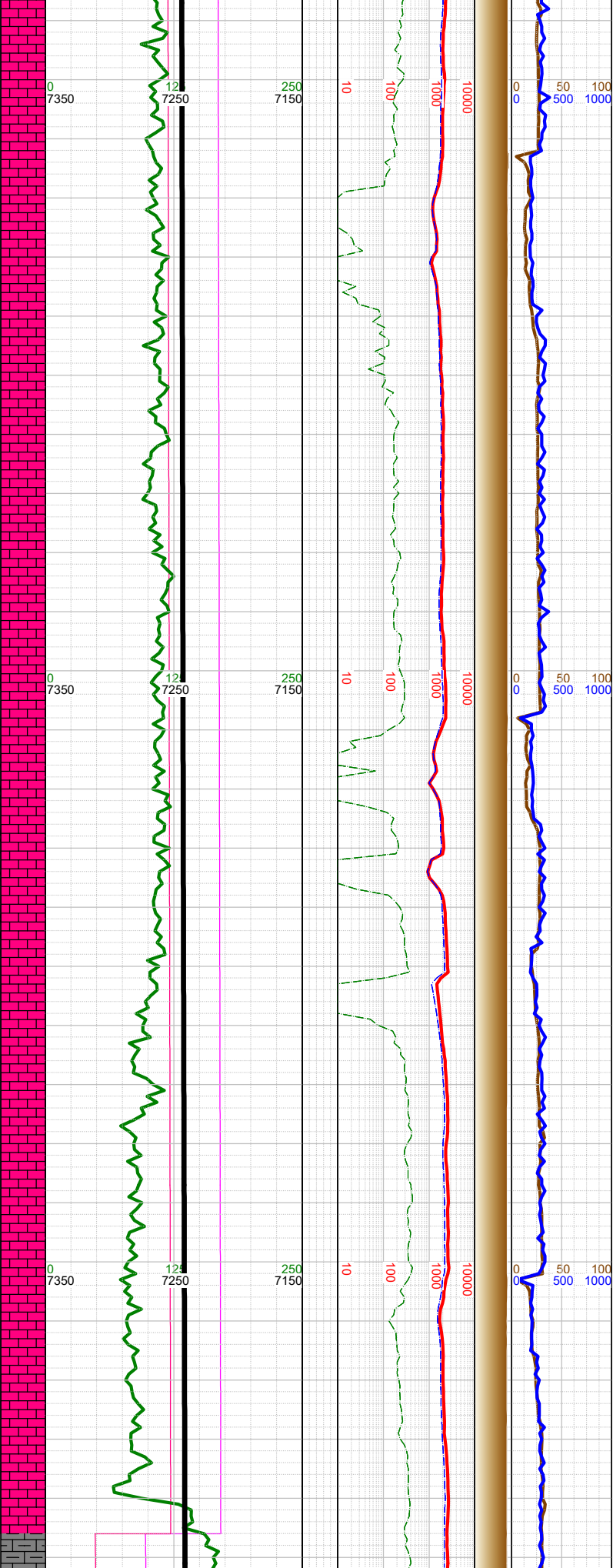


-13500 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, v calc, mod arg, sl silty; tr bent w/ dissem pyr, tr fos frags; mod forams; tr py;

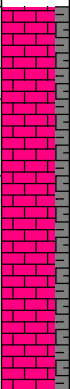




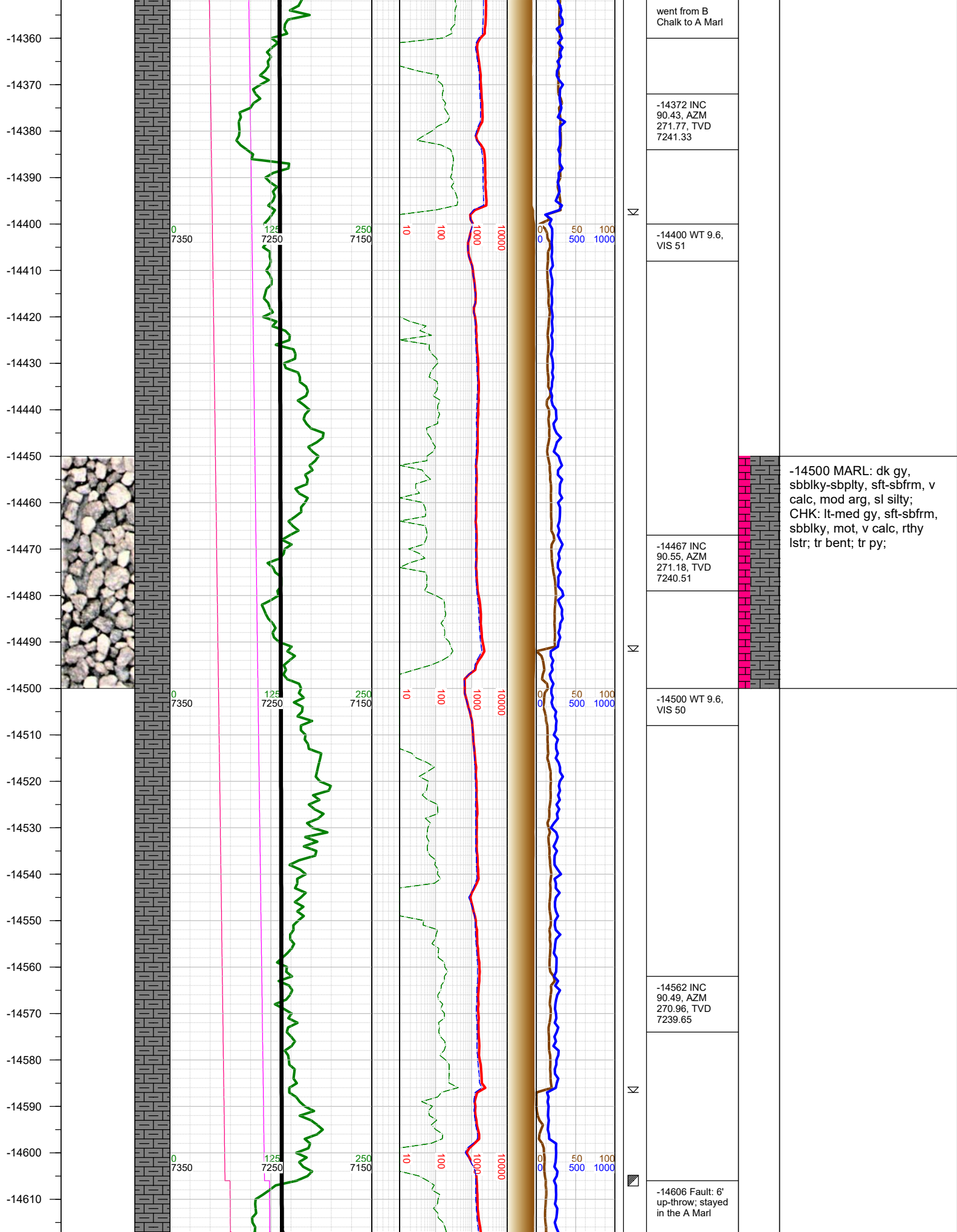
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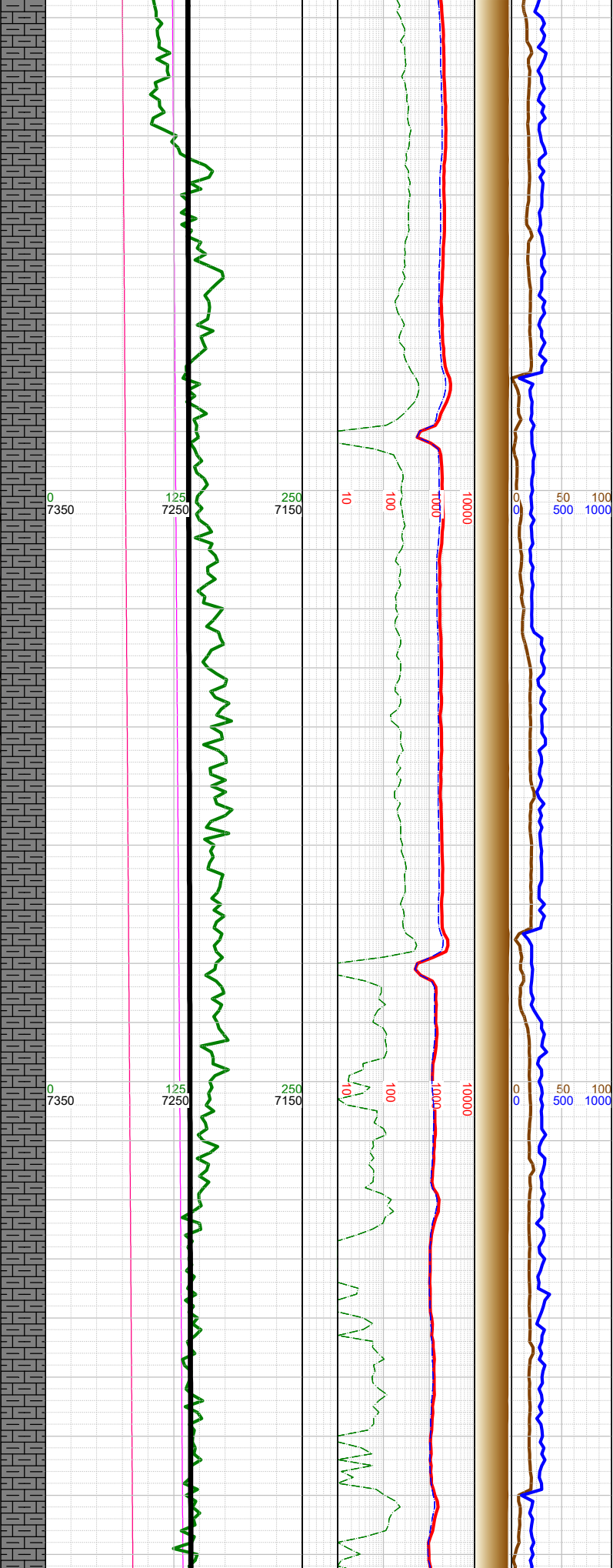
N	-14088 INC 90.46, AZM 269.53, TVD 7243.9
	-14100 WT 9.6, VIS 58
N ▲ ☀	-14183 INC 90.43, AZM 271.99, TVD 7243.16
	-14200 WT 9.6, VIS 57
	-14212 0000 hrs on 7/8/2018
N	-14278 INC 90.68, AZM 272.68, TVD 7242.24
	-14300 WT 9.6, VIS 57
	-14346 Fault: 59' down-throw;



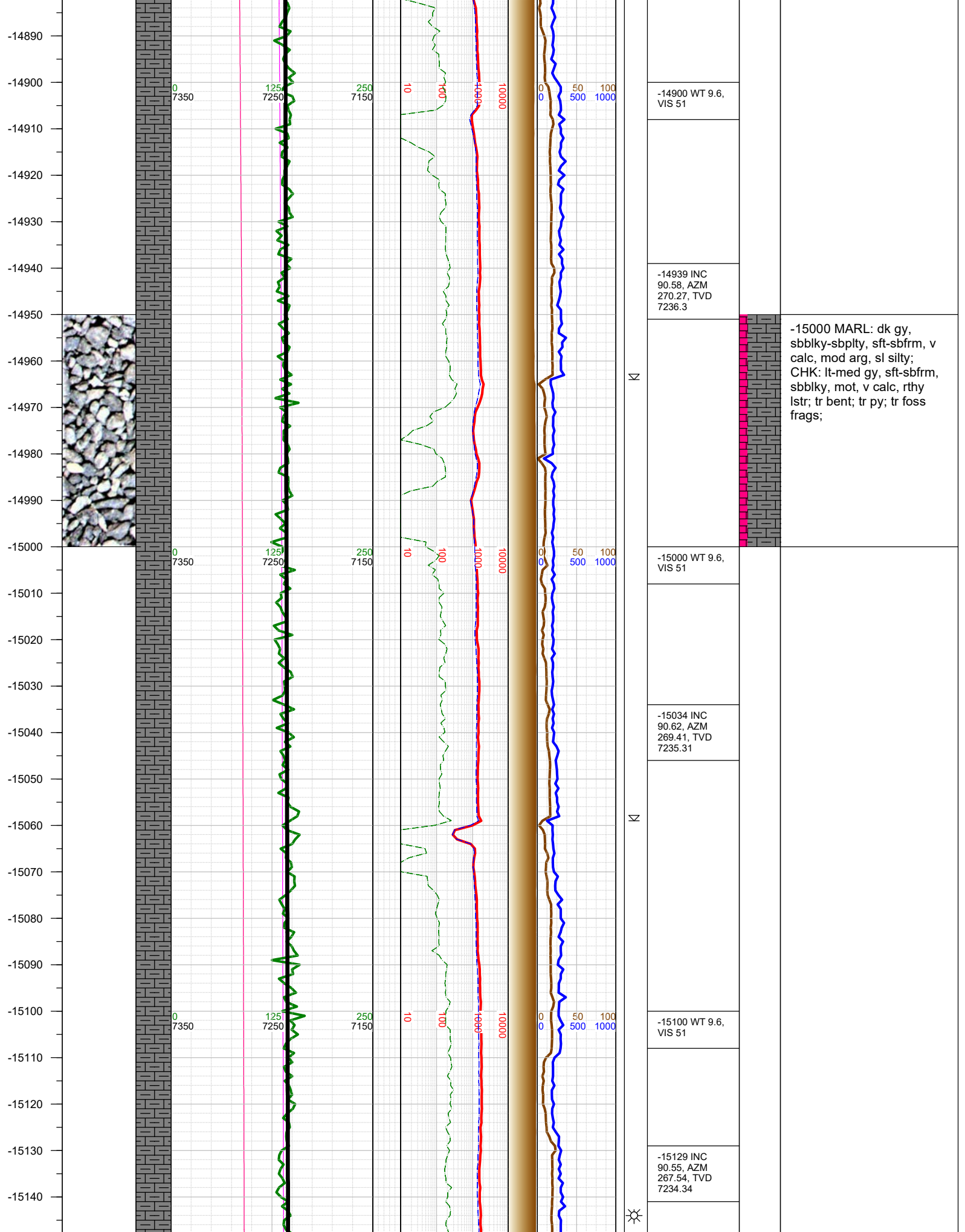
-14250 CHK: lt-med gy-
brn, sft-sbfrm, sbbkly, mot,
v calc, rthy lstr; MARL: dk
gy-blk, sbbkly-sbply, sft-
sbfrm, v calc, mod arg, sl
silty; tr bent w/ dissem pyr,
tr fos frags; tr forams; tr py;

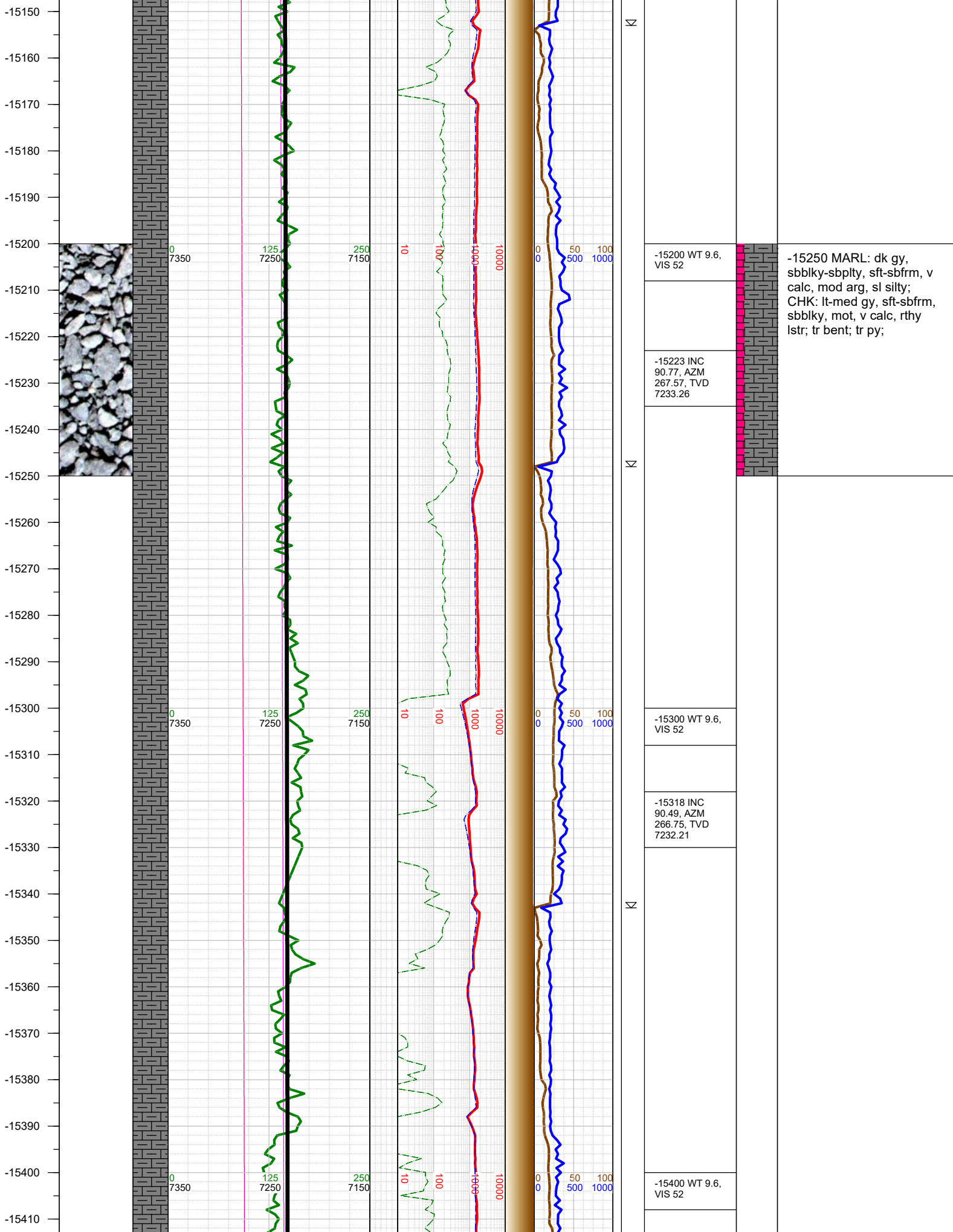


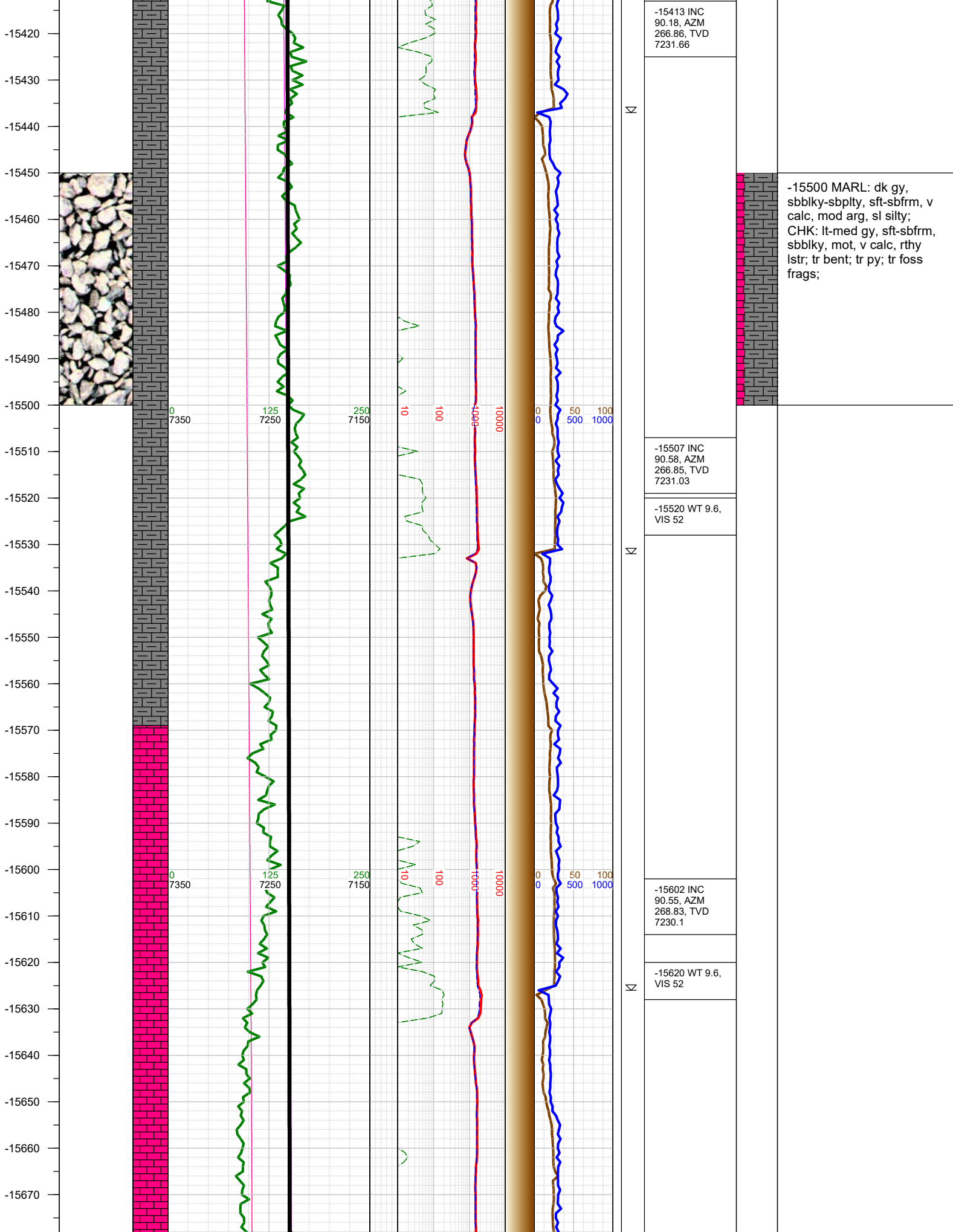
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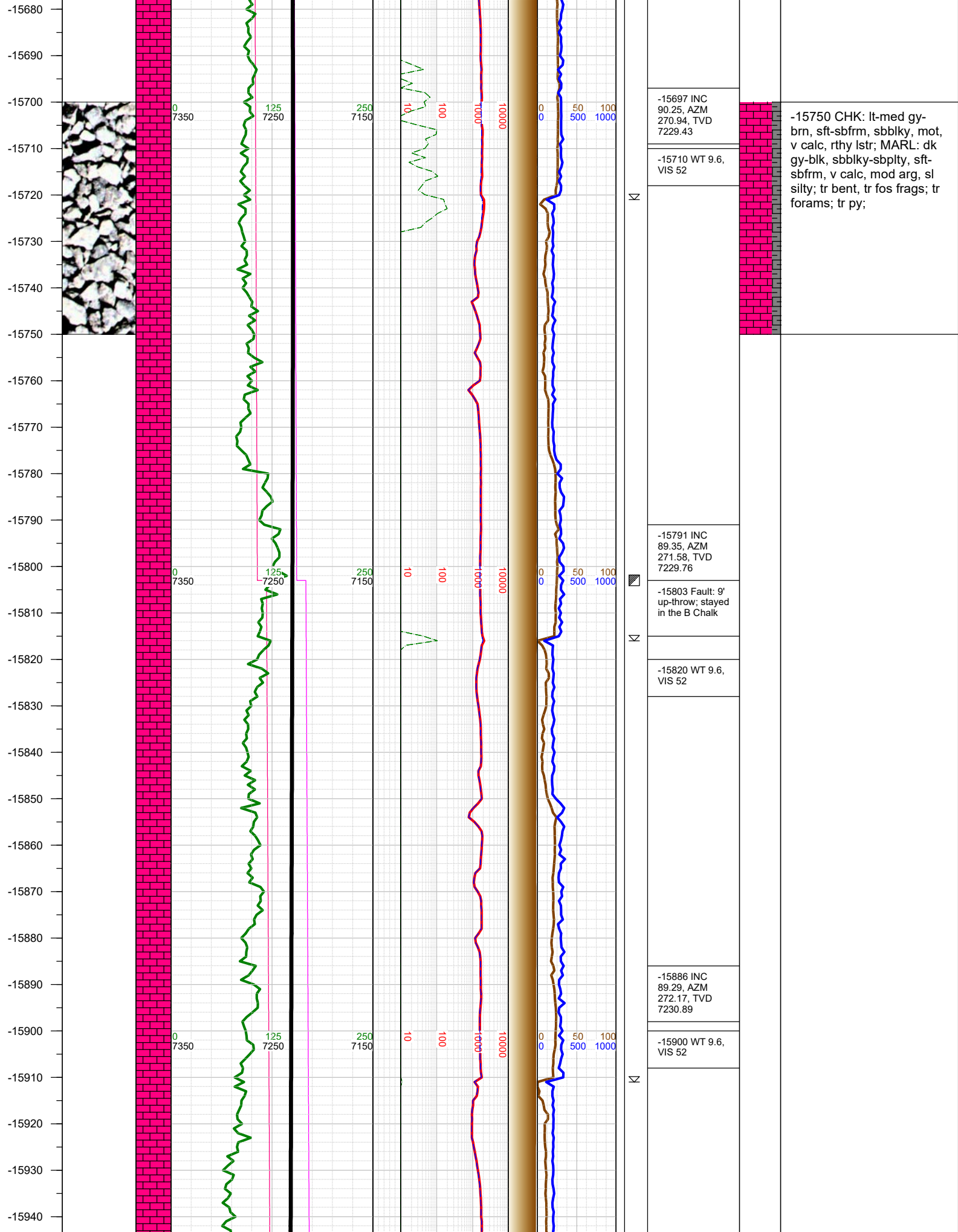


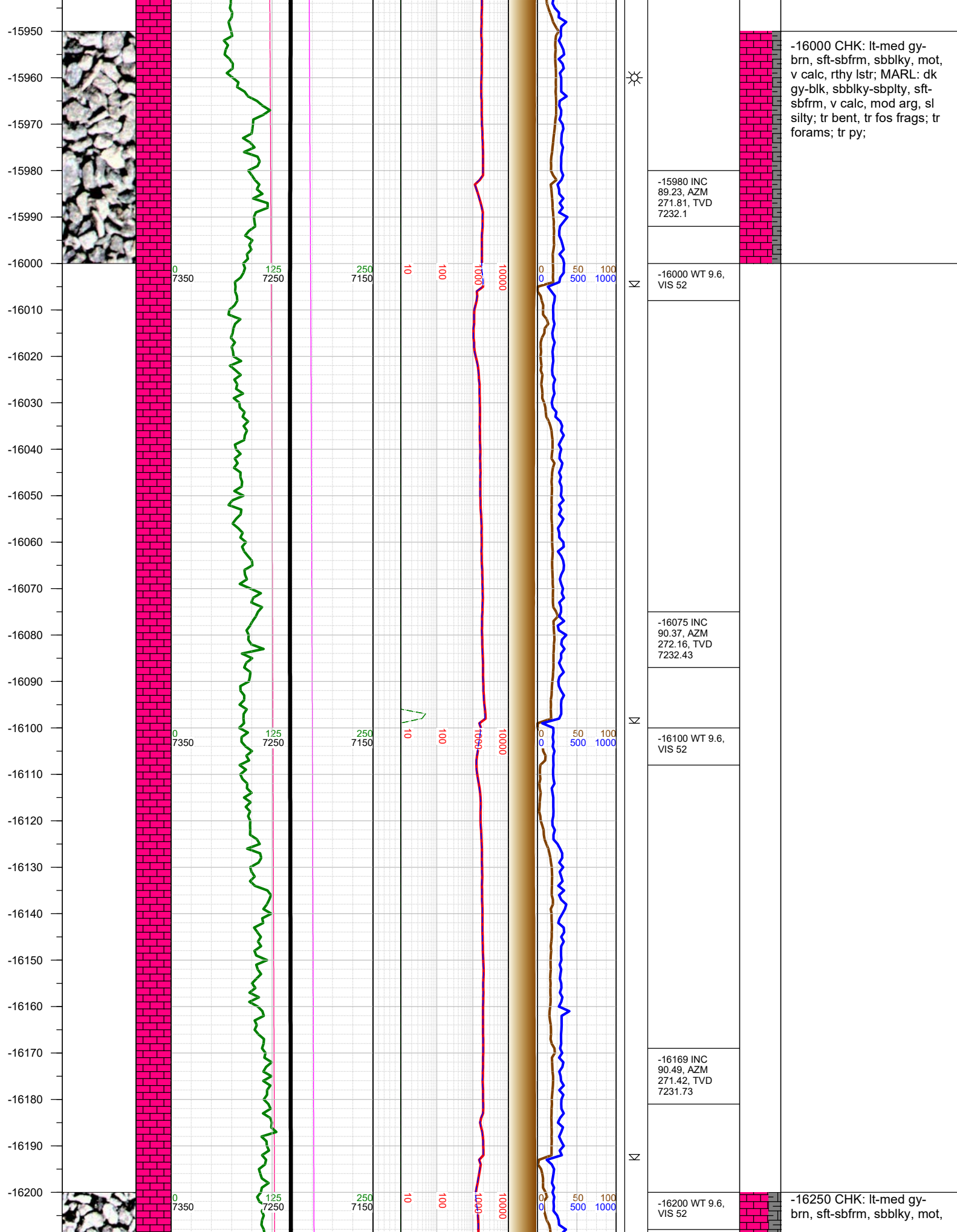
☀ N	-14620 WT 9.6, VIS 50	
	-14656 INC 90.43, AZM 270.16, TVD 7238.9	
N	-14700 WT 9.6, VIS 50	-14750 MARL: dk gy, sbbkly-sbplty, sft-sbfrm, v calc, mod arg, sl silty; CHK: lt-med gy, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; tr bent; tr py;
	-14750 INC 90.58, AZM 269.75, TVD 7238.07	
N	-14800 WT 9.6, VIS 50	
	-14845 INC 90.49, AZM 270.24, TVD 7237.18	

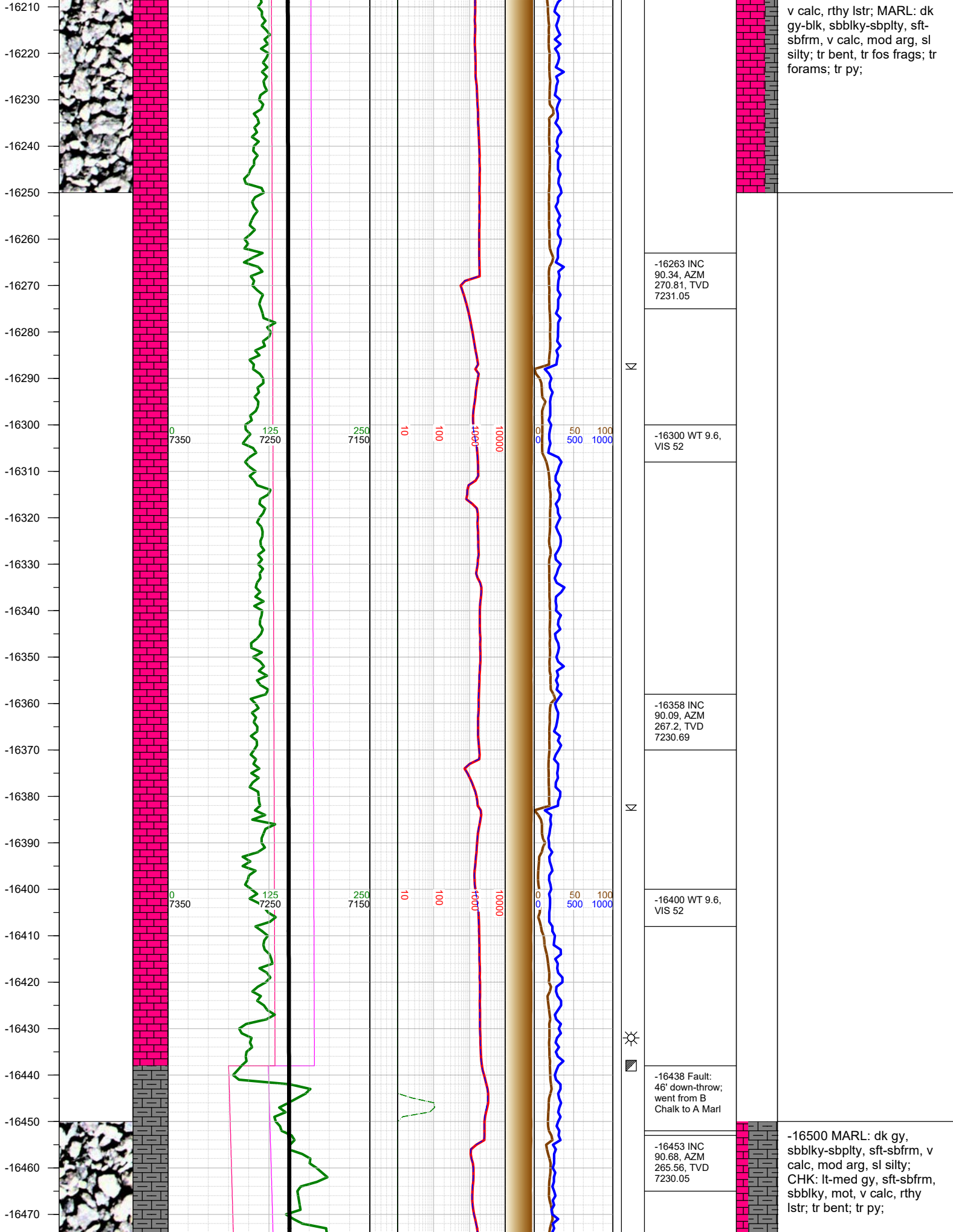


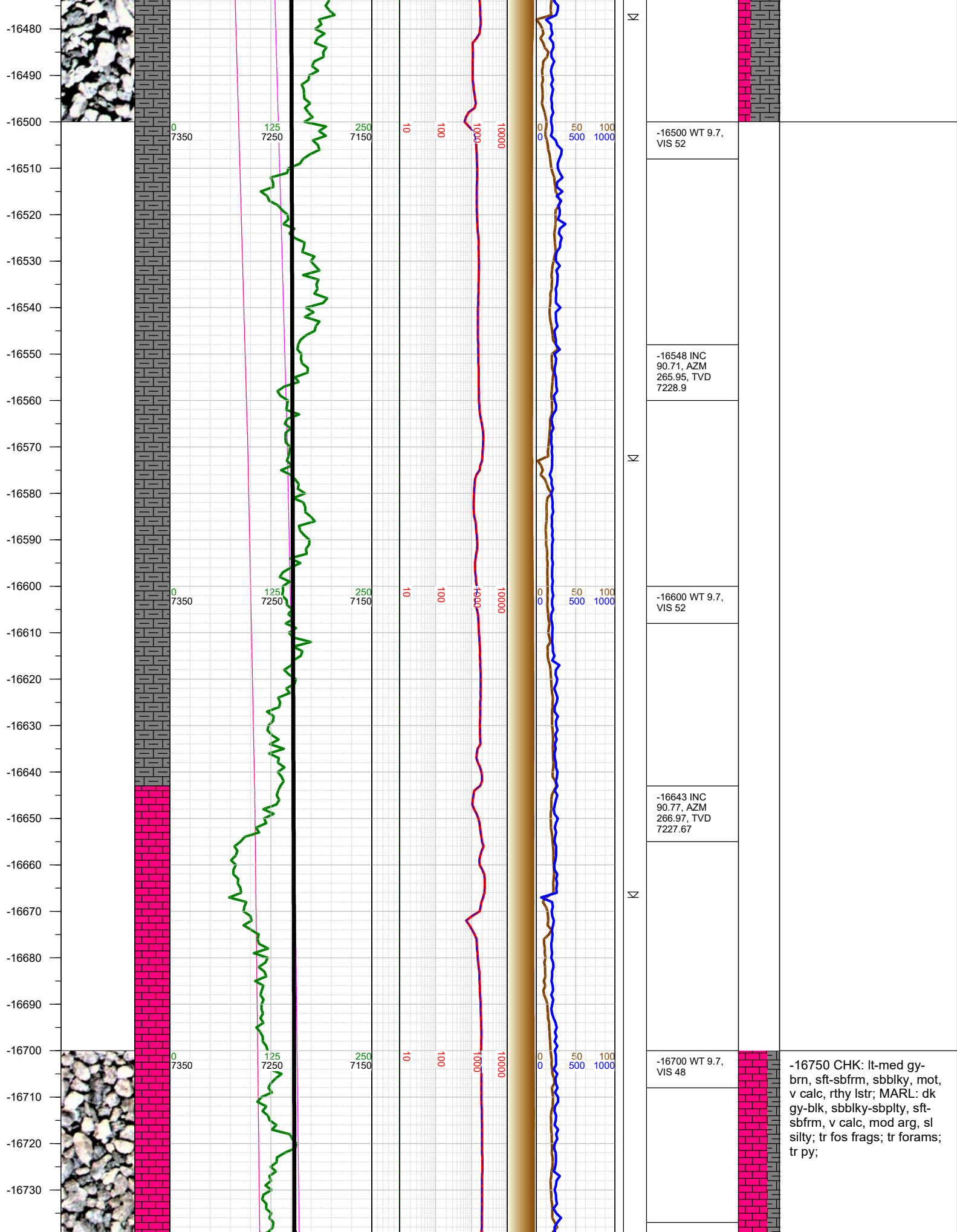


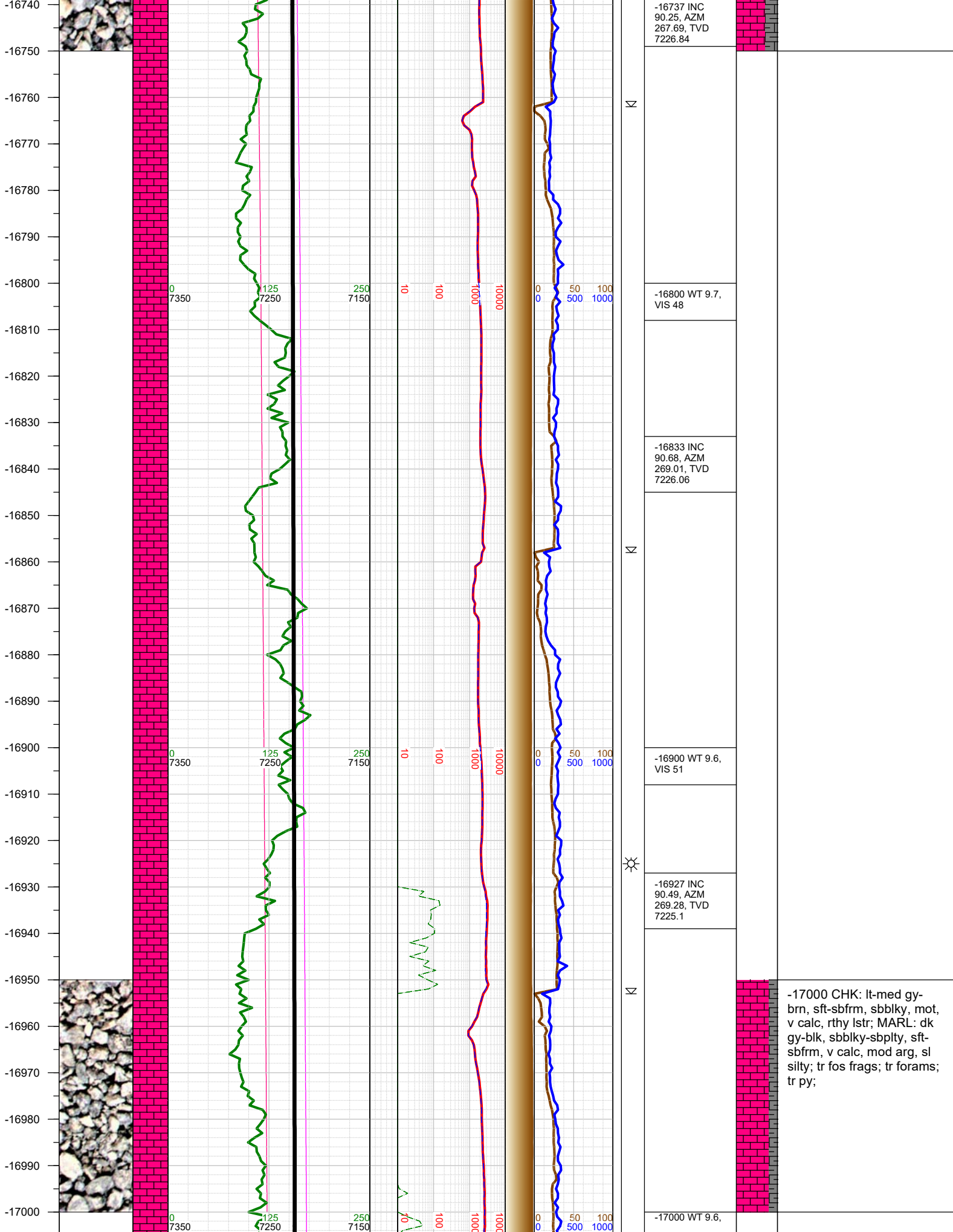


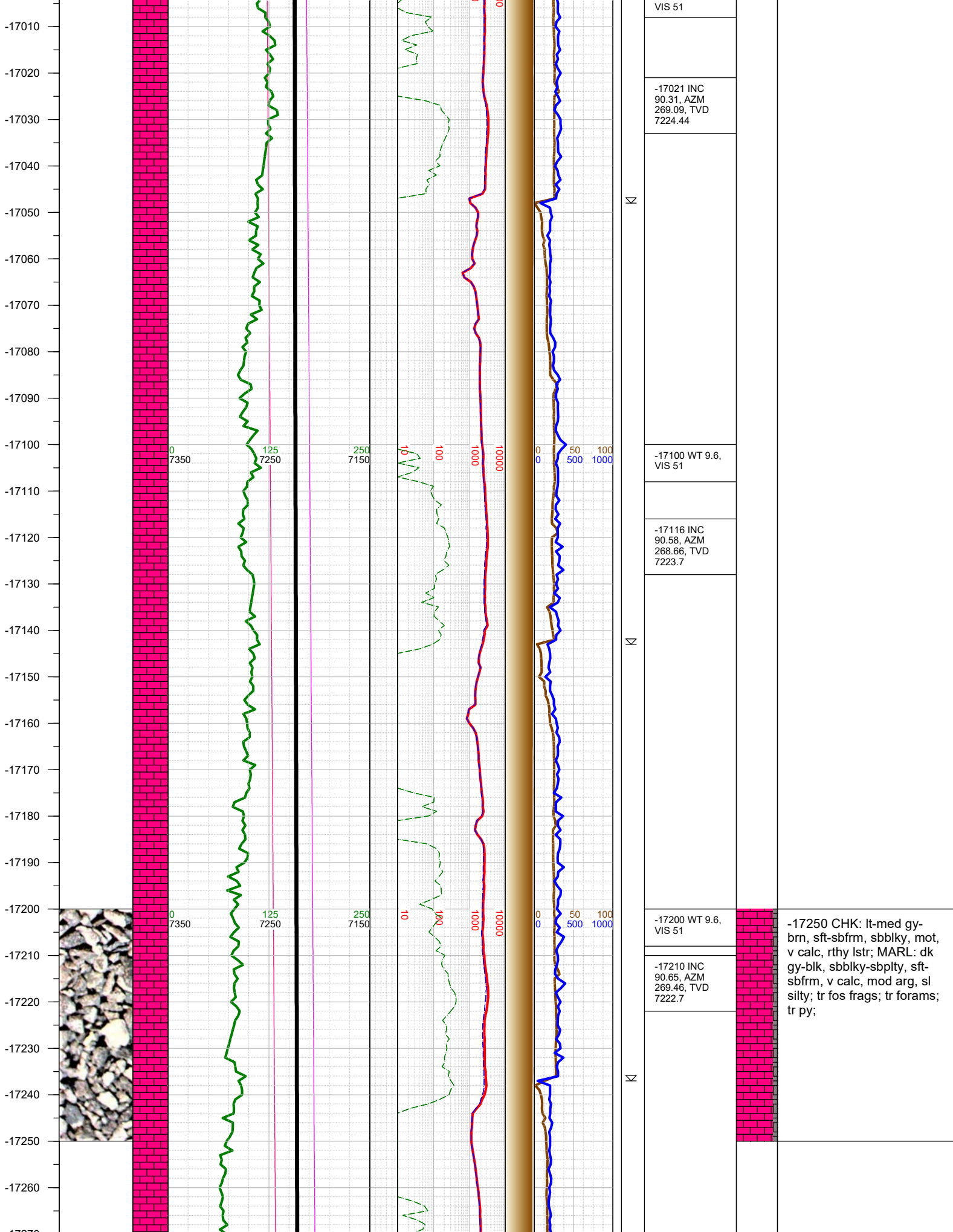












VIS 51
-17021 INC 90.31, AZM 269.09, TVD 7224.44
-17100 WT 9.6, VIS 51
-17116 INC 90.58, AZM 268.66, TVD 7223.7
-17200 WT 9.6, VIS 51
-17210 INC 90.65, AZM 269.46, TVD 7222.7

-17250 CHK: lt-med gy-brn, 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 forams; tr py;

