

OPERATOR: **Extraction Oil & Gas**  
WELL NAME: **Interchange B N35-20-9N**

FIELD NAME: DJ Basin - Wattenberg  
DRILLING RIG: Patterson 901  
API #: 05-014-20773

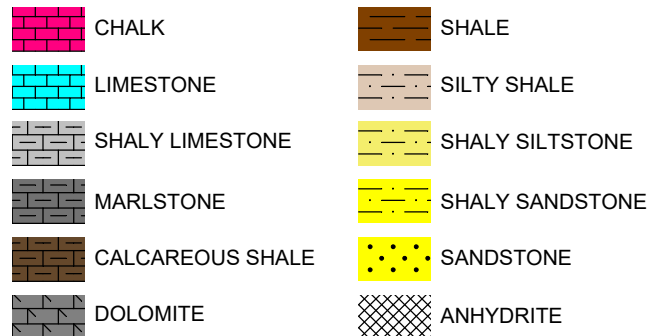
LAT/LONG: 39.97901, -104.991156  
SURFACE HOLE: NESW S10-T1S-R68W, 2509' FSL, 1690' FWL  
BOTTOM HOLE: S34-T1N-R68W, 460' FNL, 672' FEL



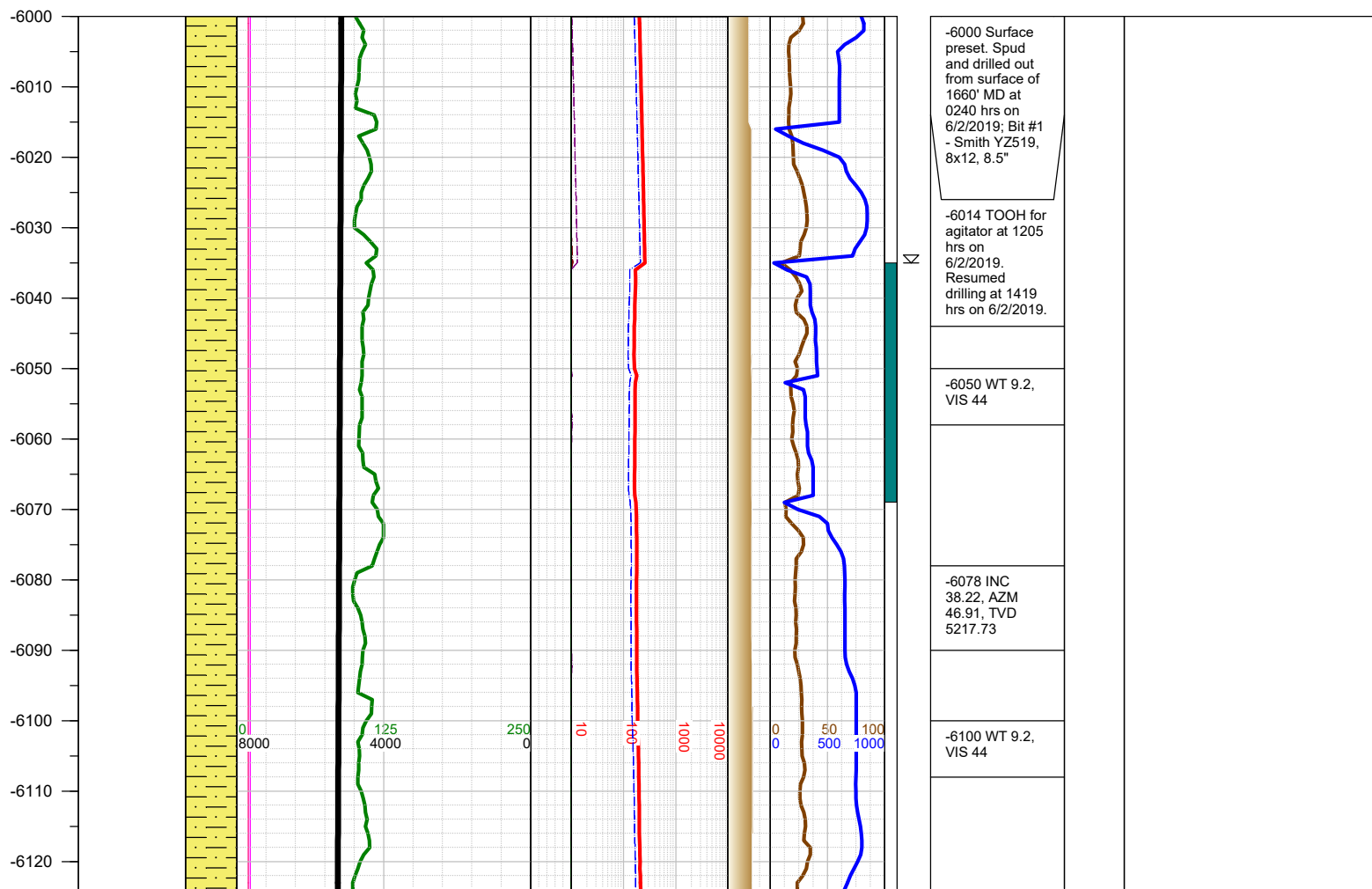
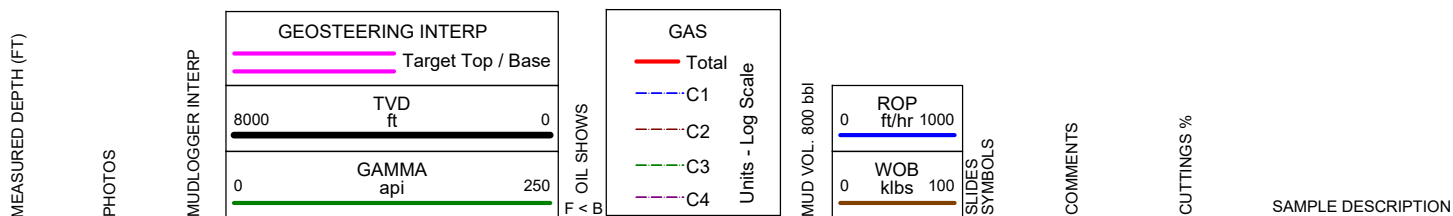
Earth Science Agency, LLC

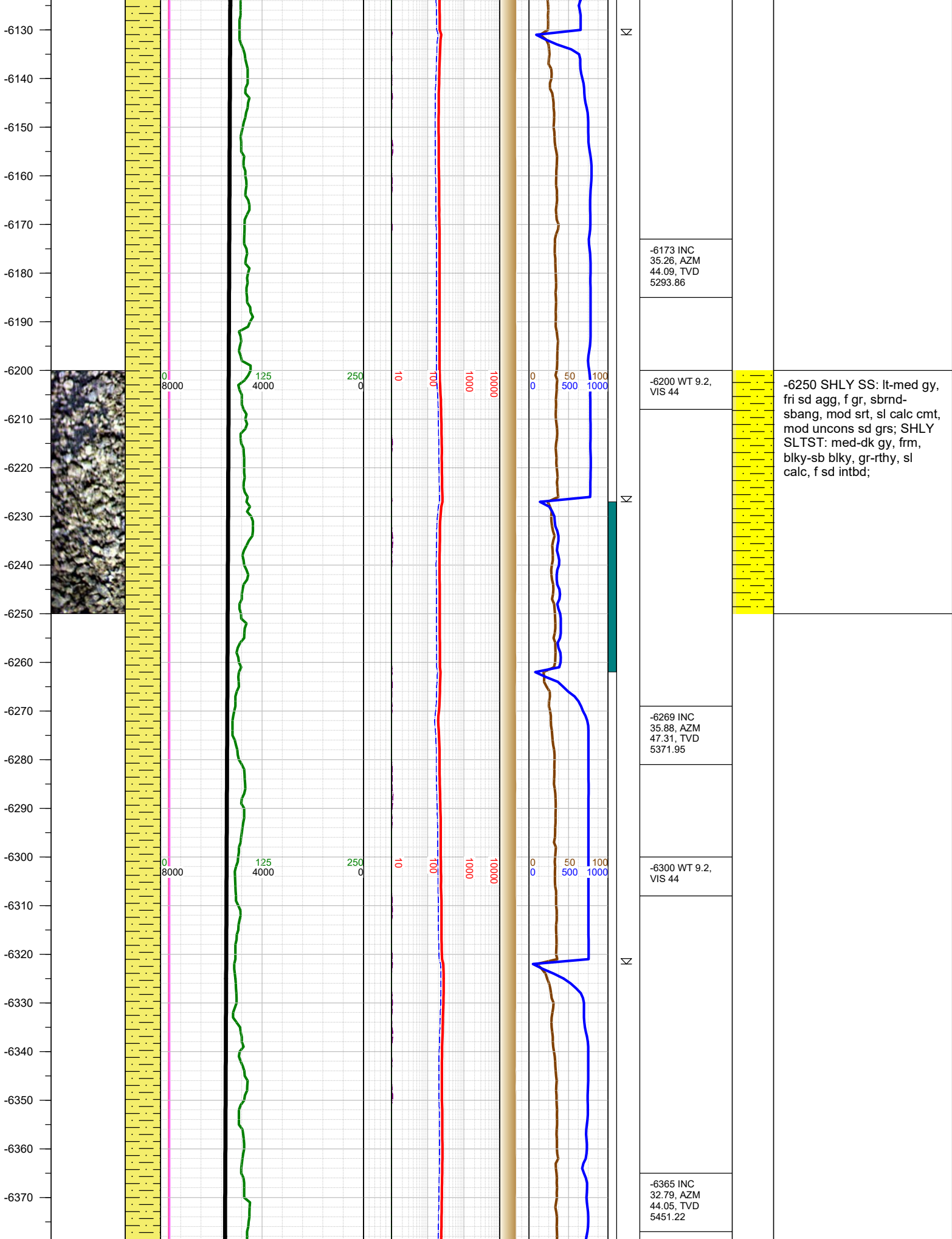
COUNTY: Broomfield  
STATE: Colorado  
GROUND ELEVATION: 5213'  
KELLY BUSHING: 5242'  
DRILLING FLUID: OBM  
TVD VS. MD: 7634' / 18672'  
SPUD DATE: June 2, 2019  
TD DATE: June 4, 2019  
  
DEPTHS LOGGED: 6000' - 18672'  
DATES LOGGED: June 2, 2019 - June 4, 2019  
GEOLOGISTS: Nick Damon, Madison Miller  
SCALE: 5" = 100'

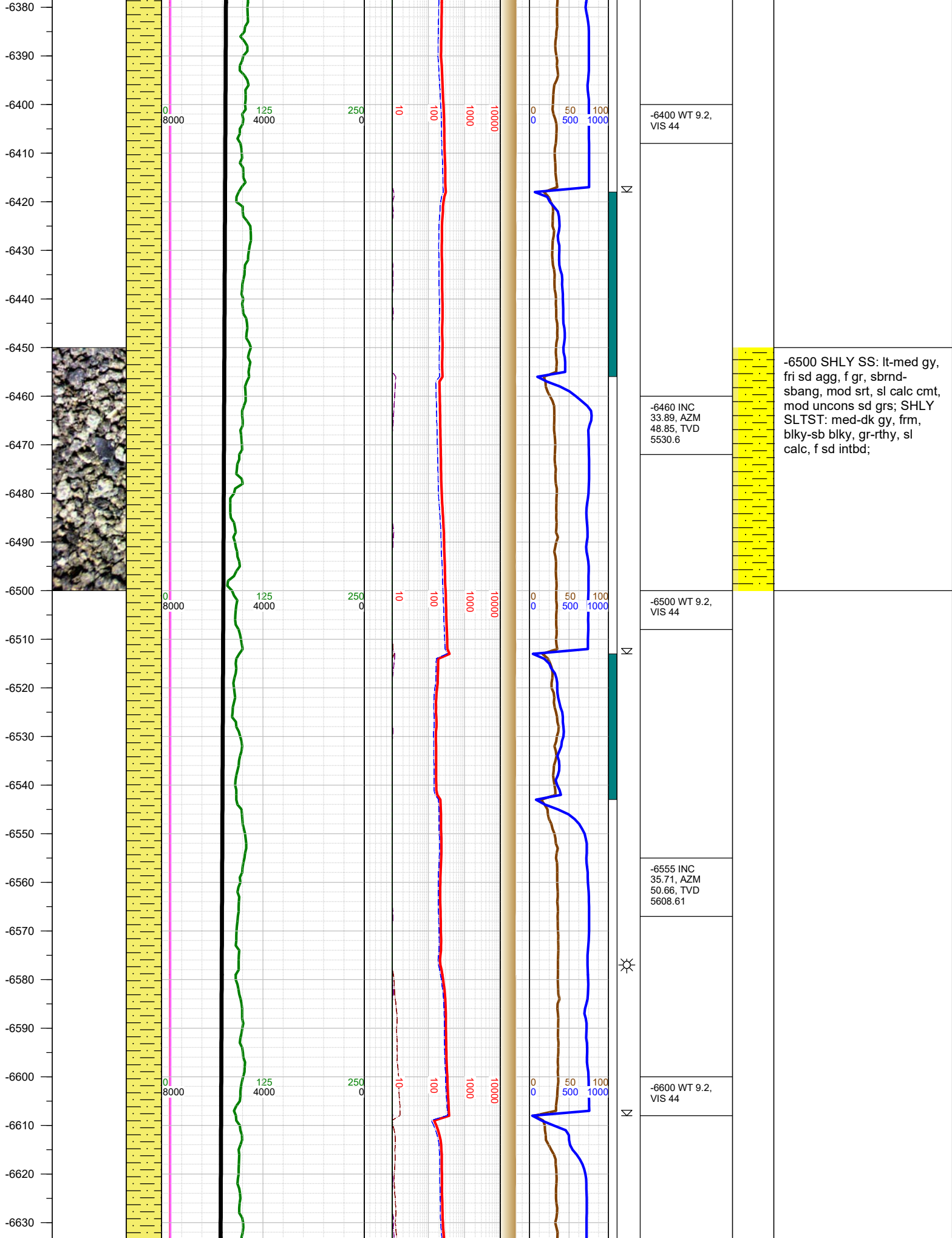
#### LEGEND

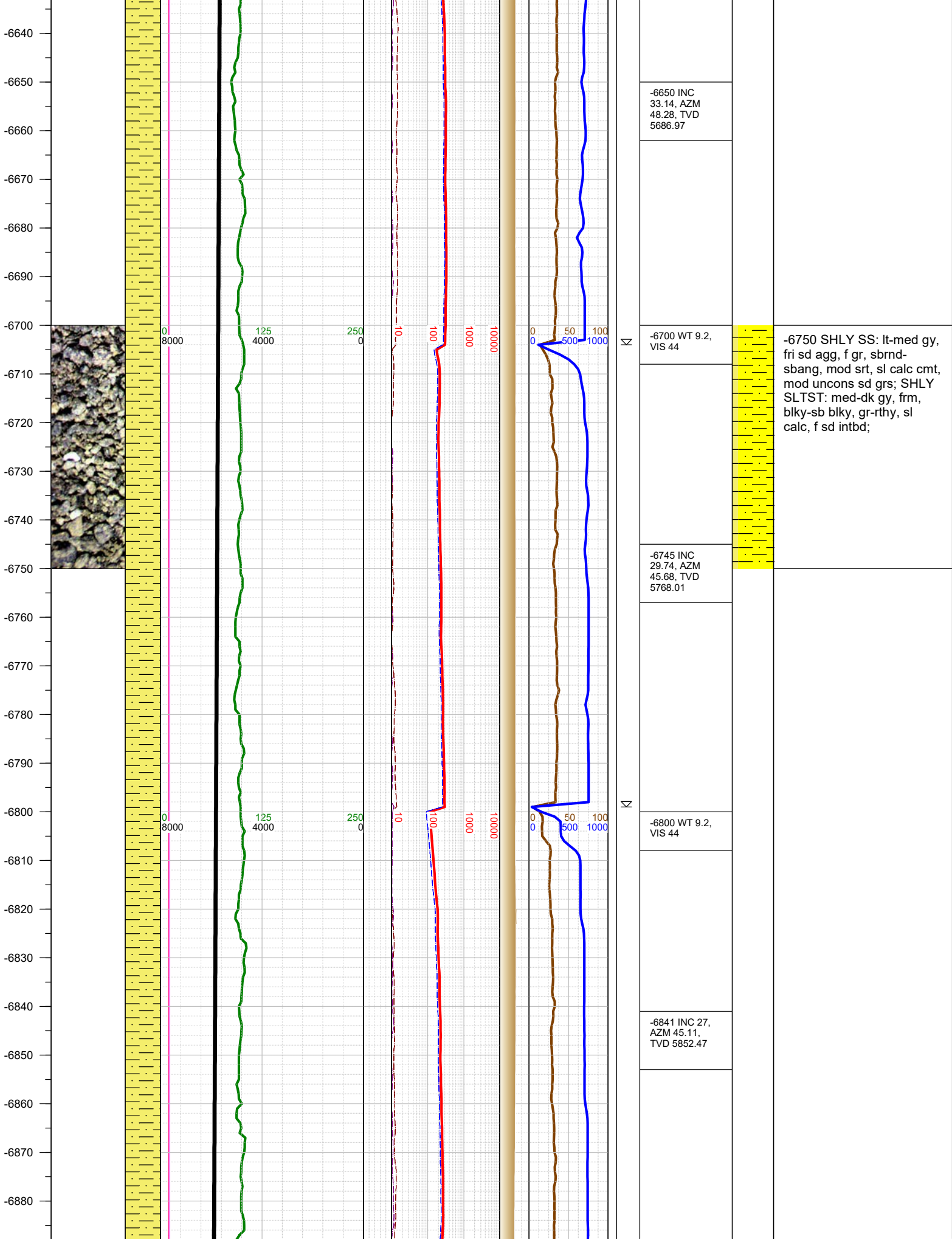


FORMATION  $\approx$  CONNECTION  $\Delta$  MIDNIGHT NEW BIT GAS SHOW FAULT

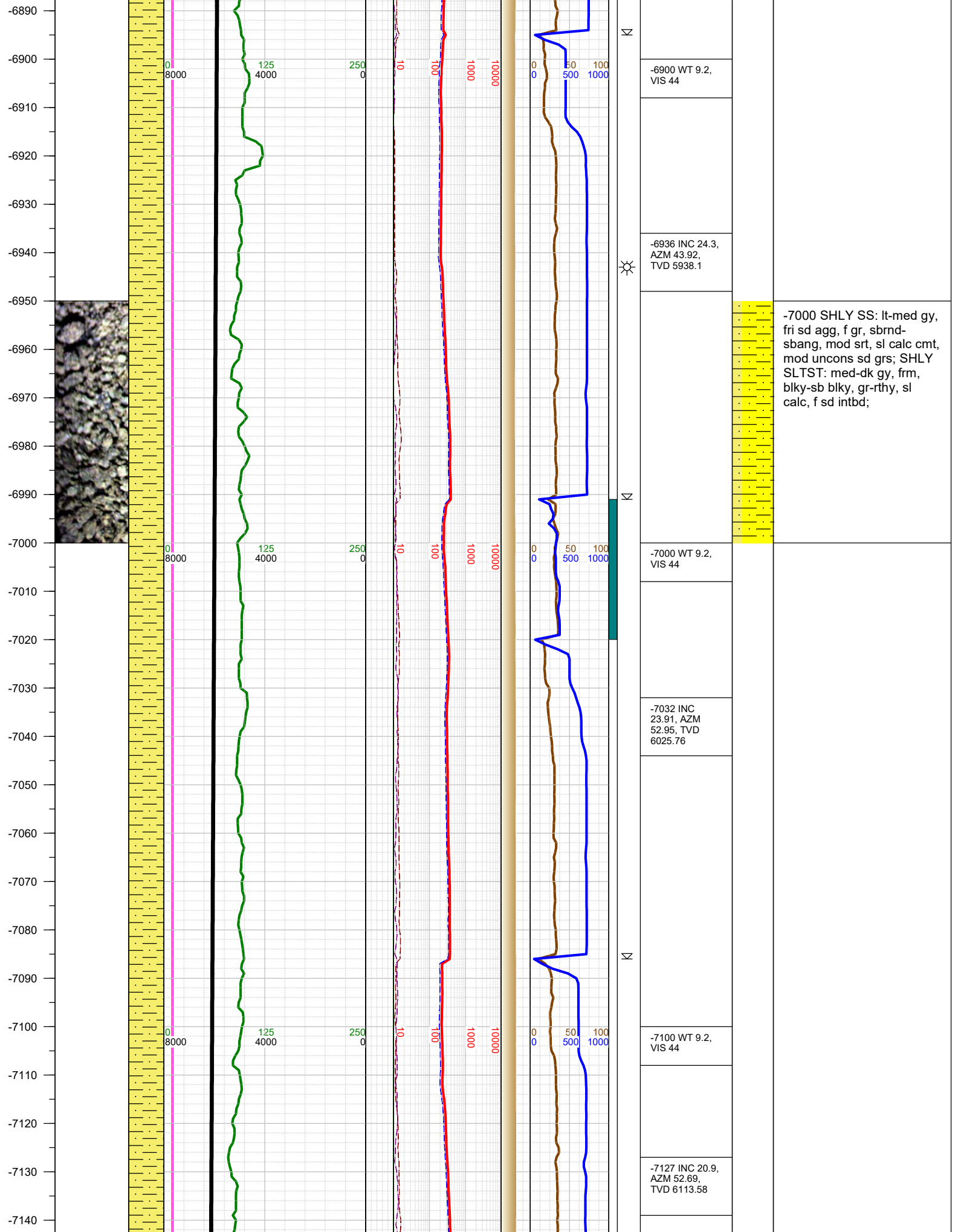


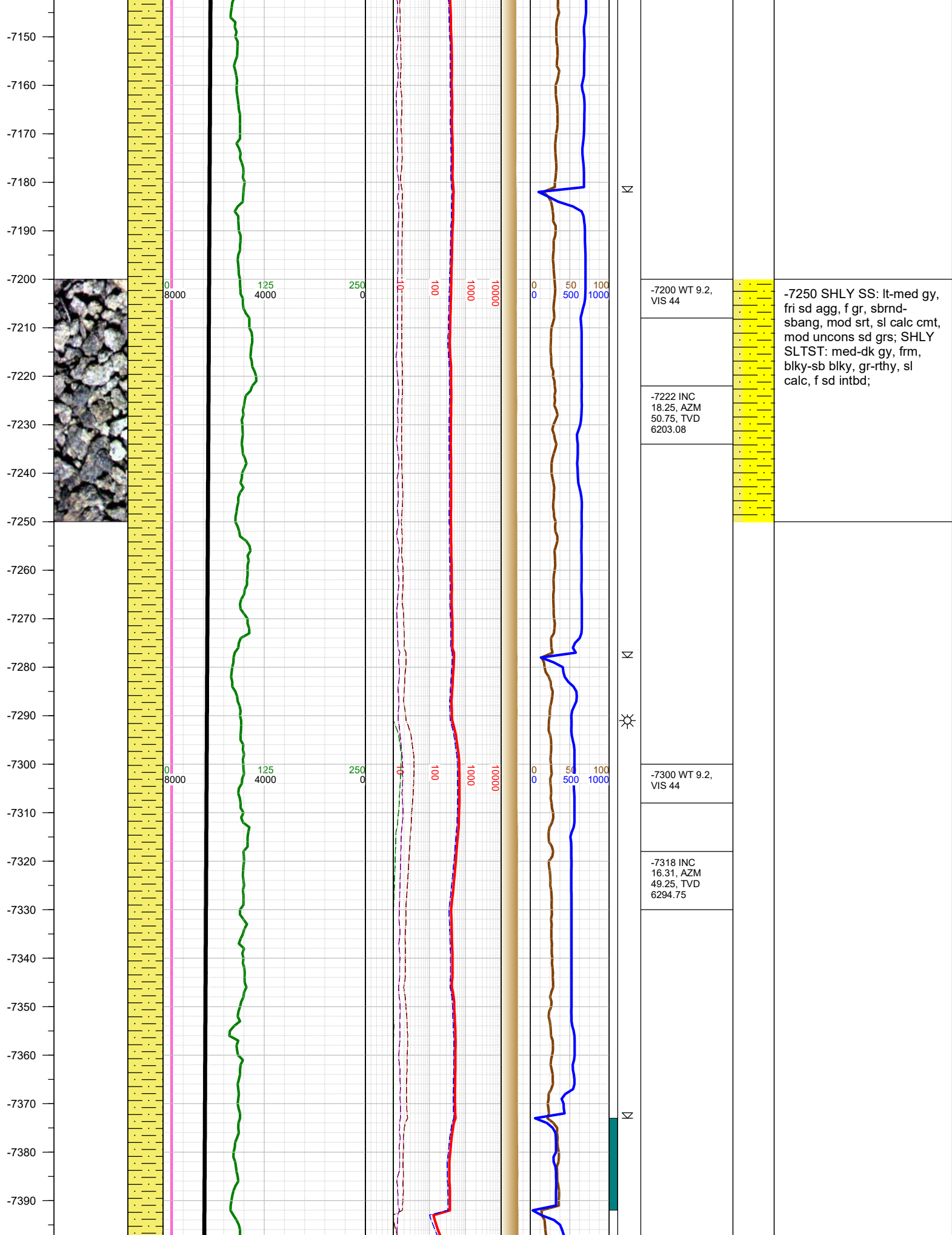


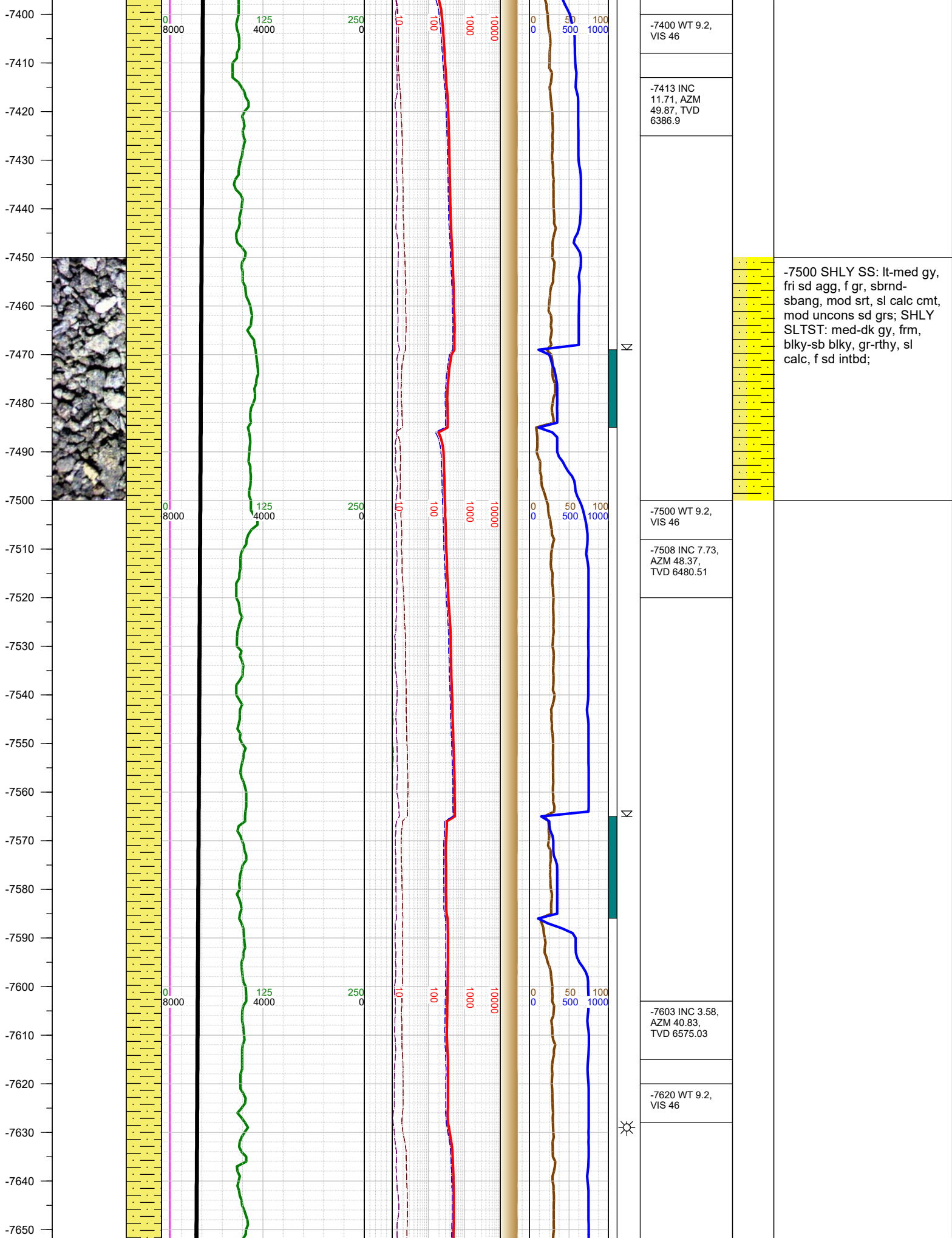




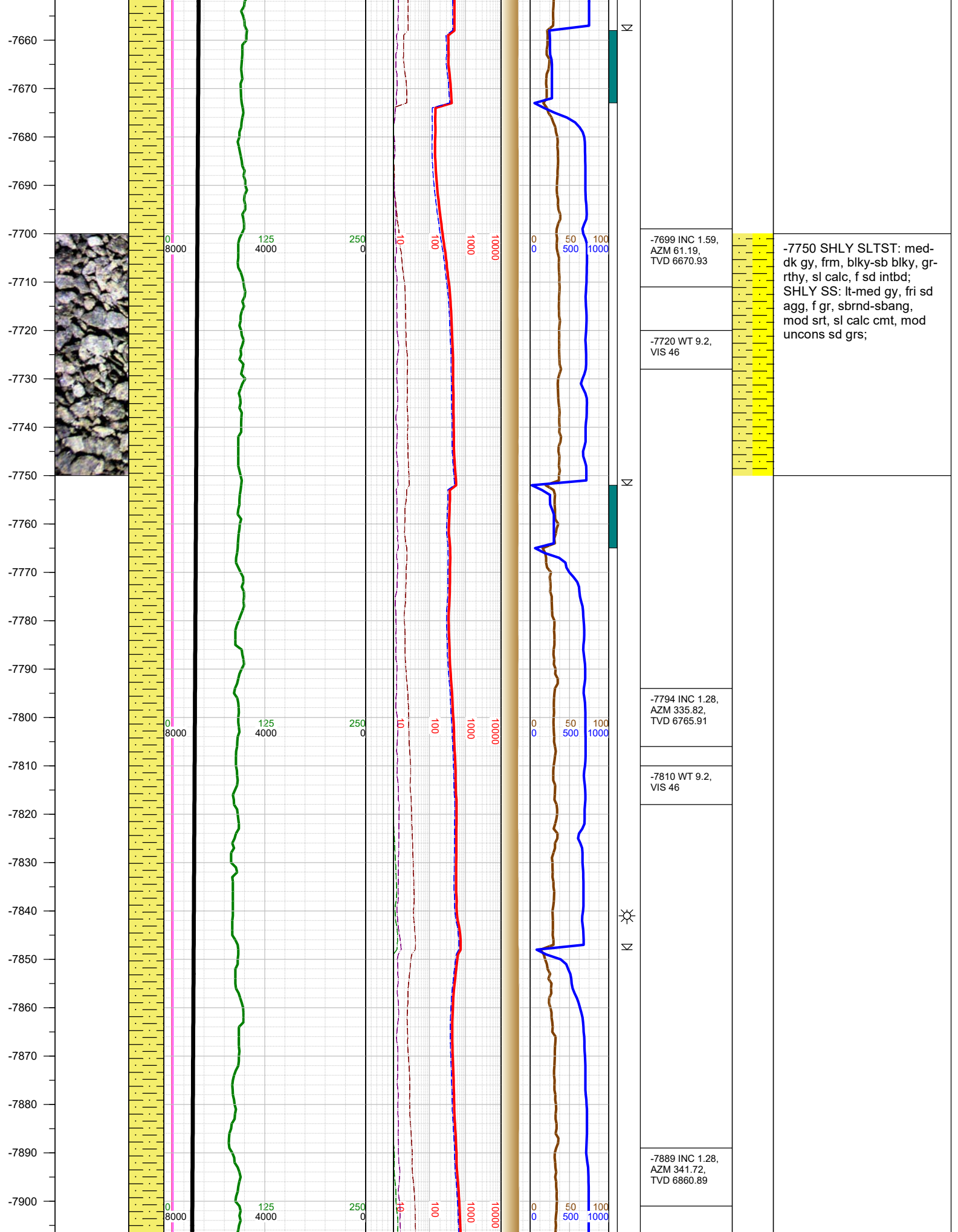




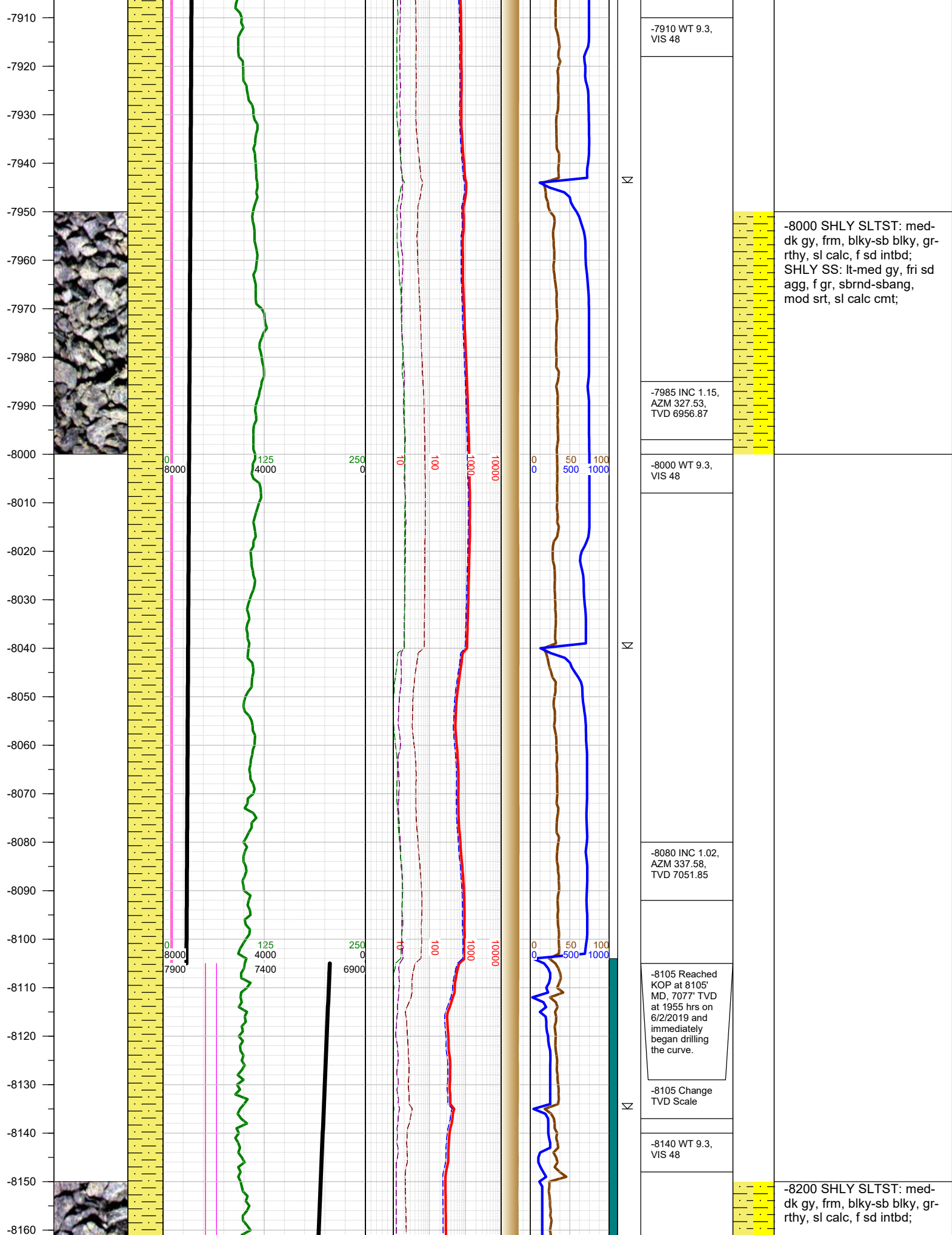


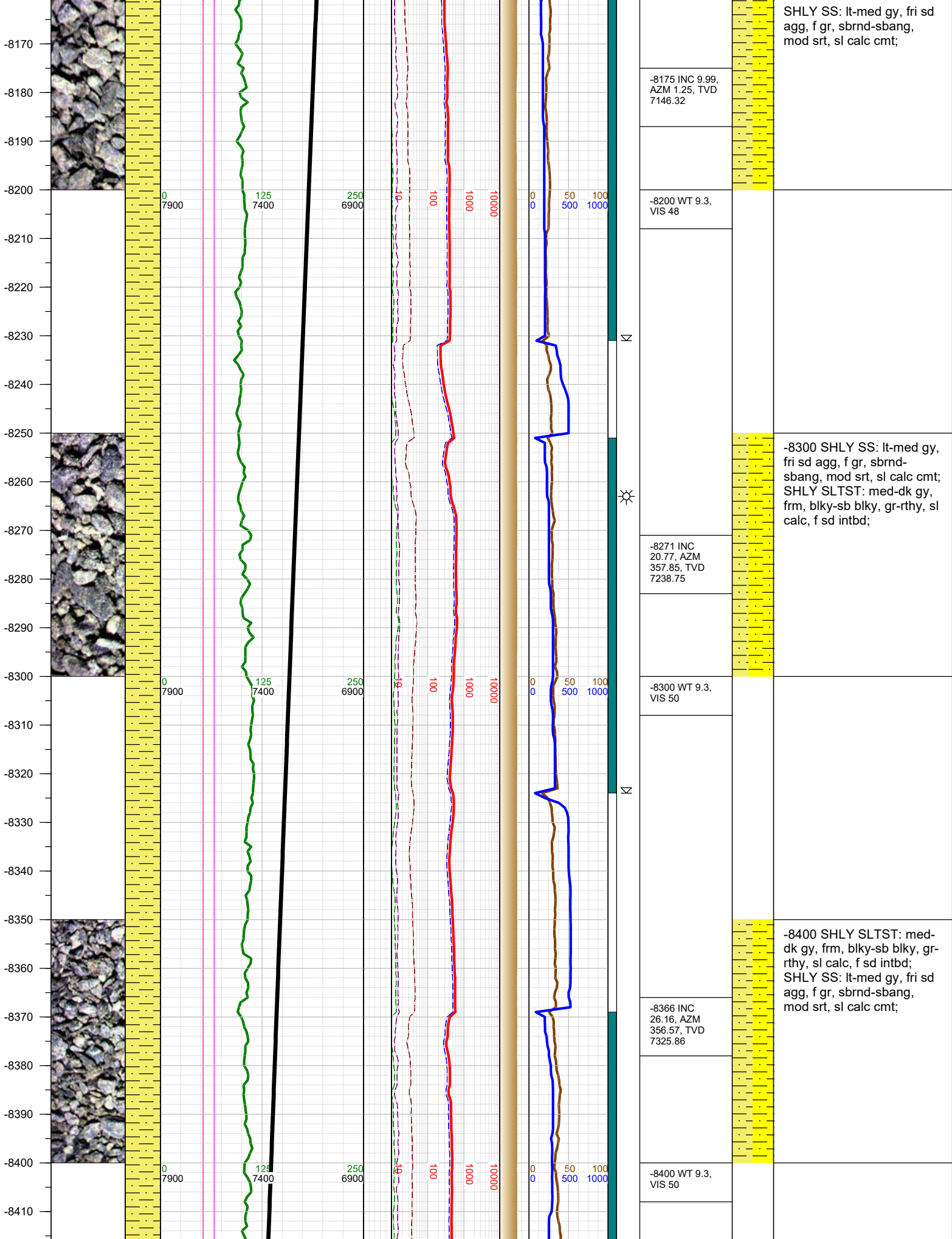


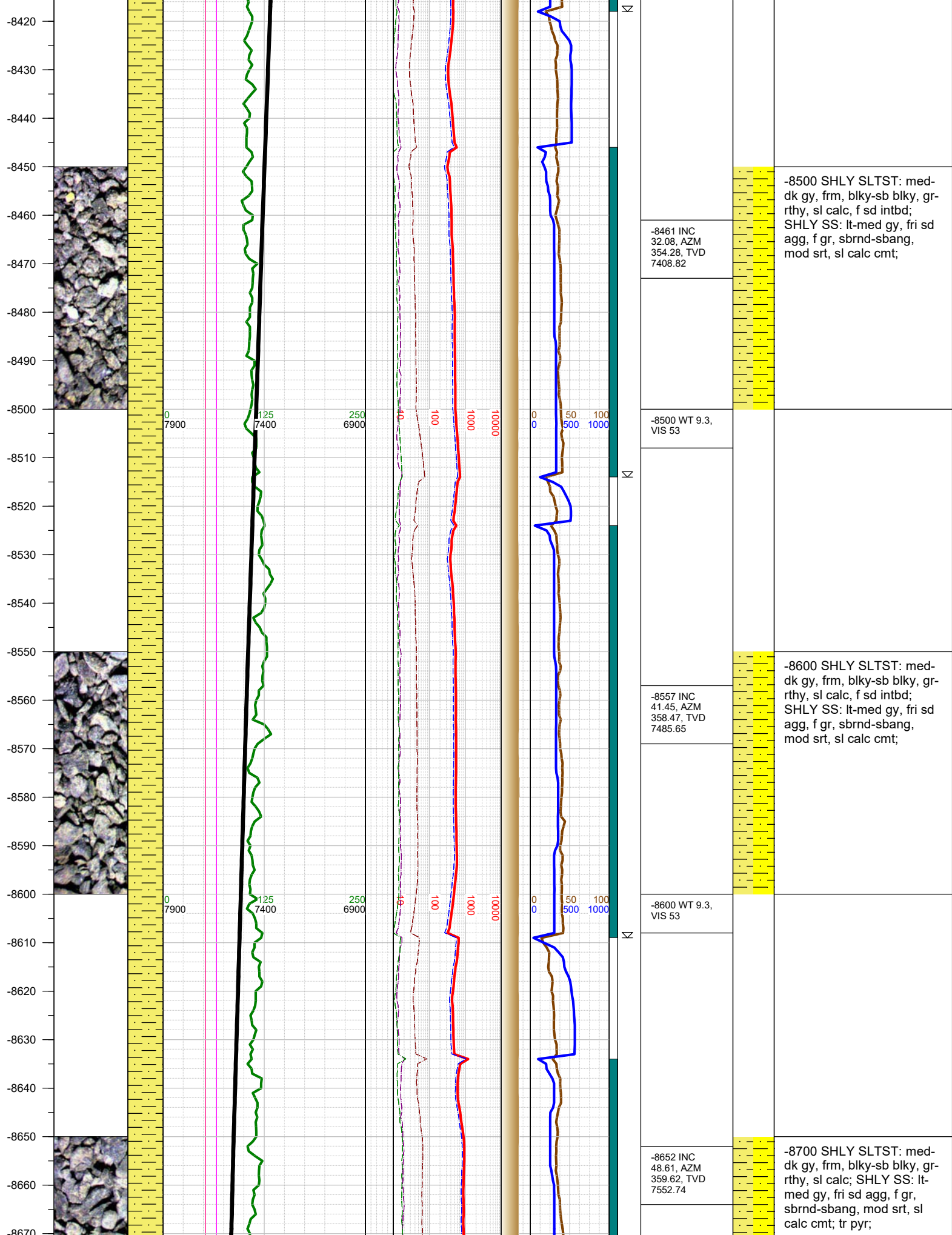




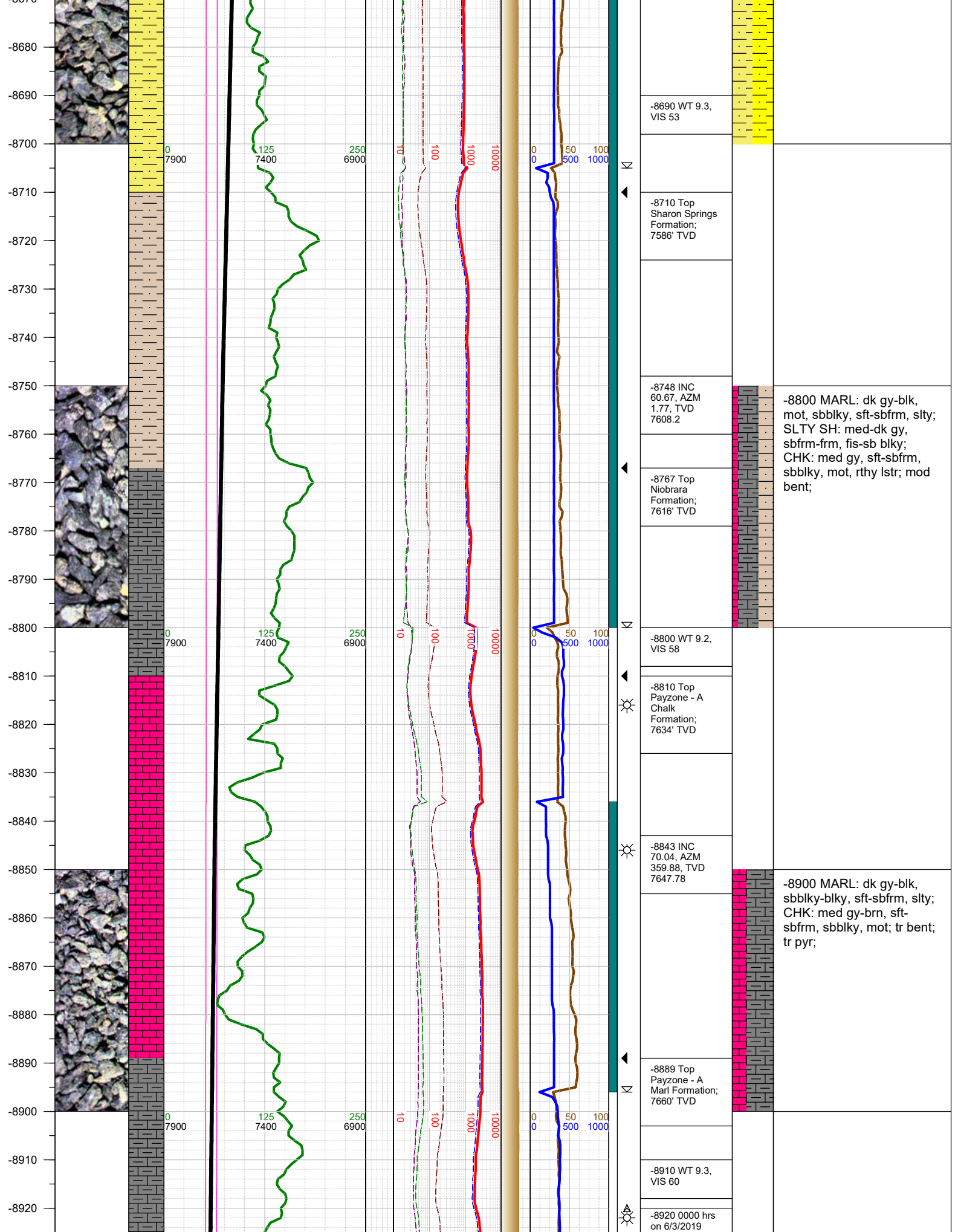




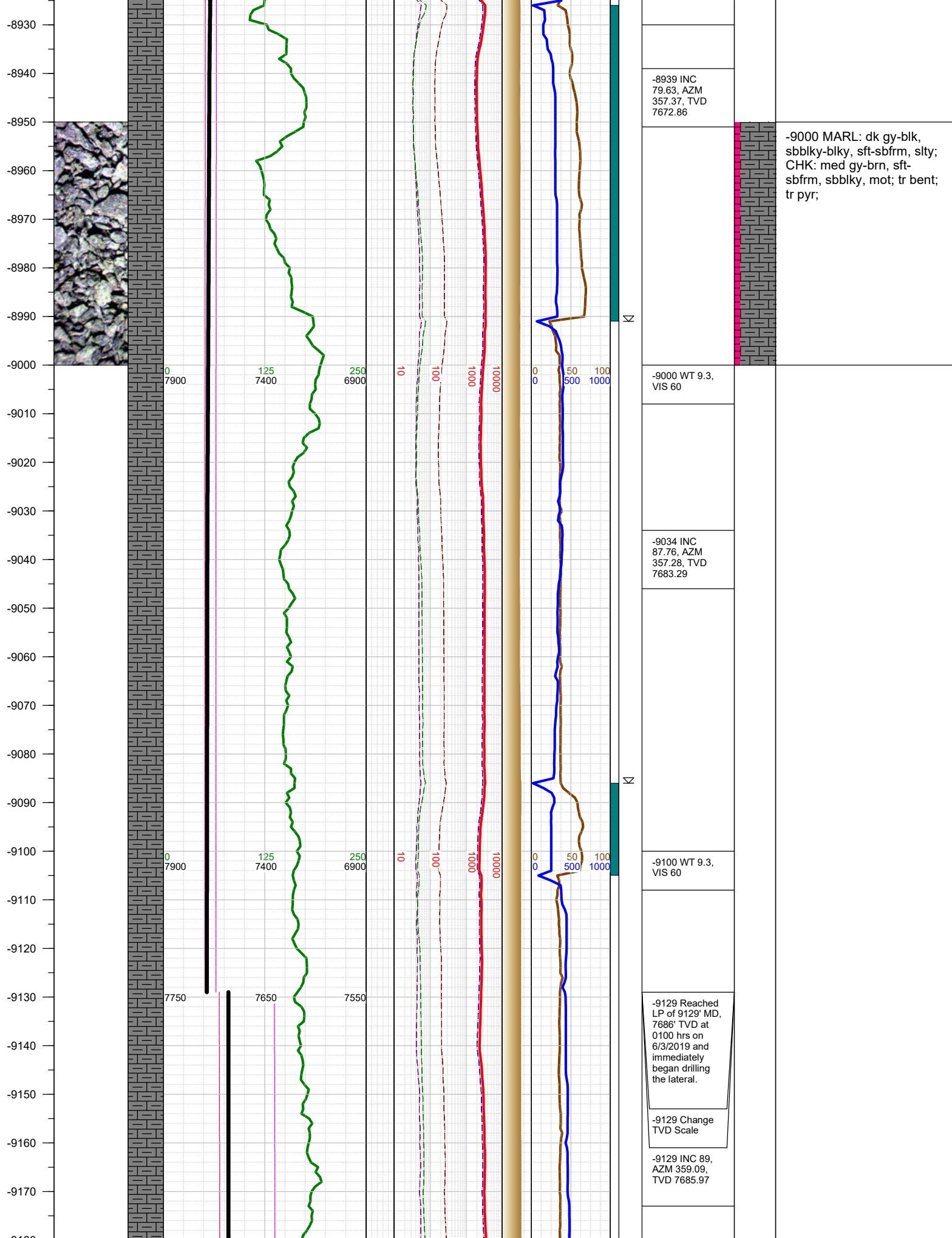


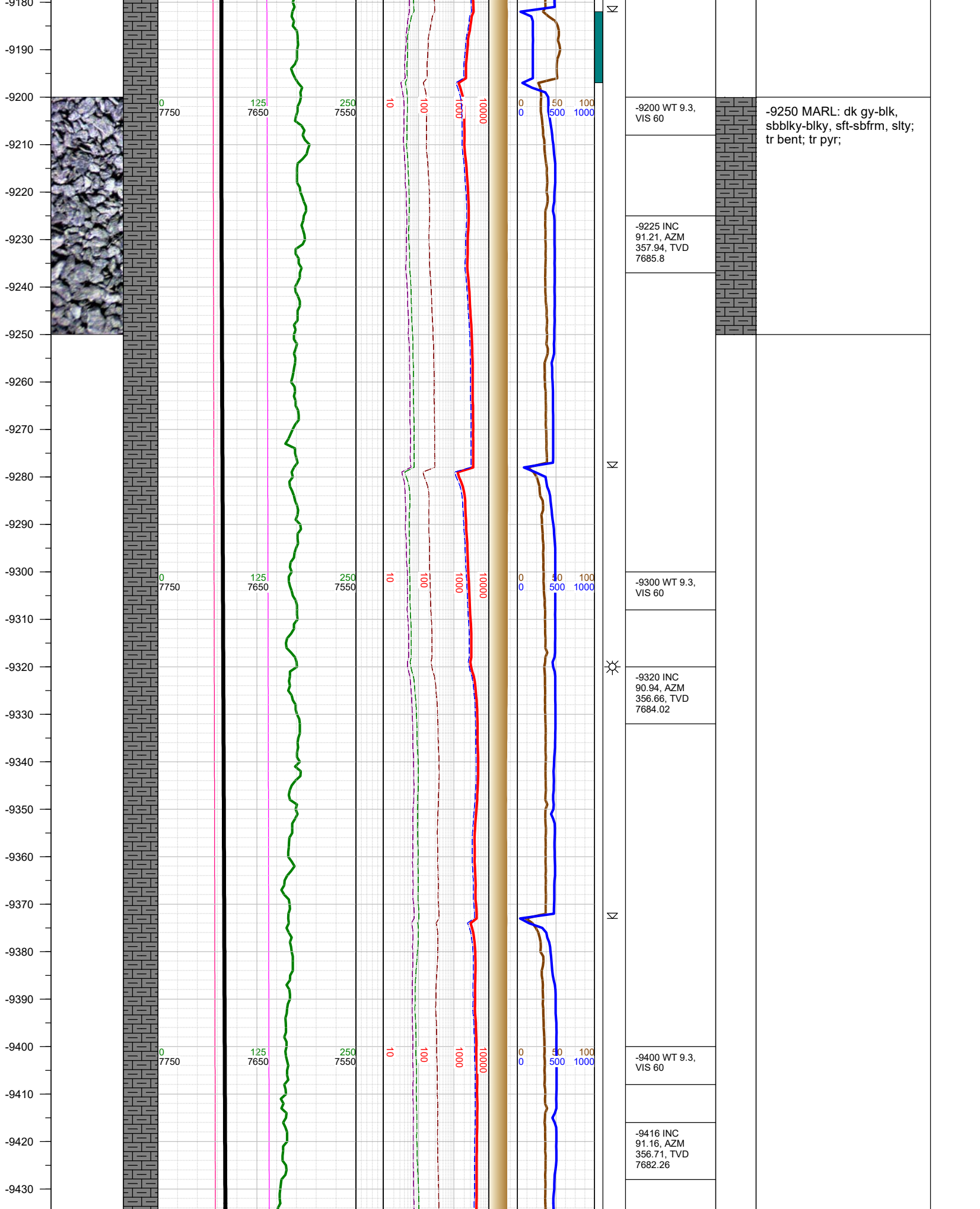


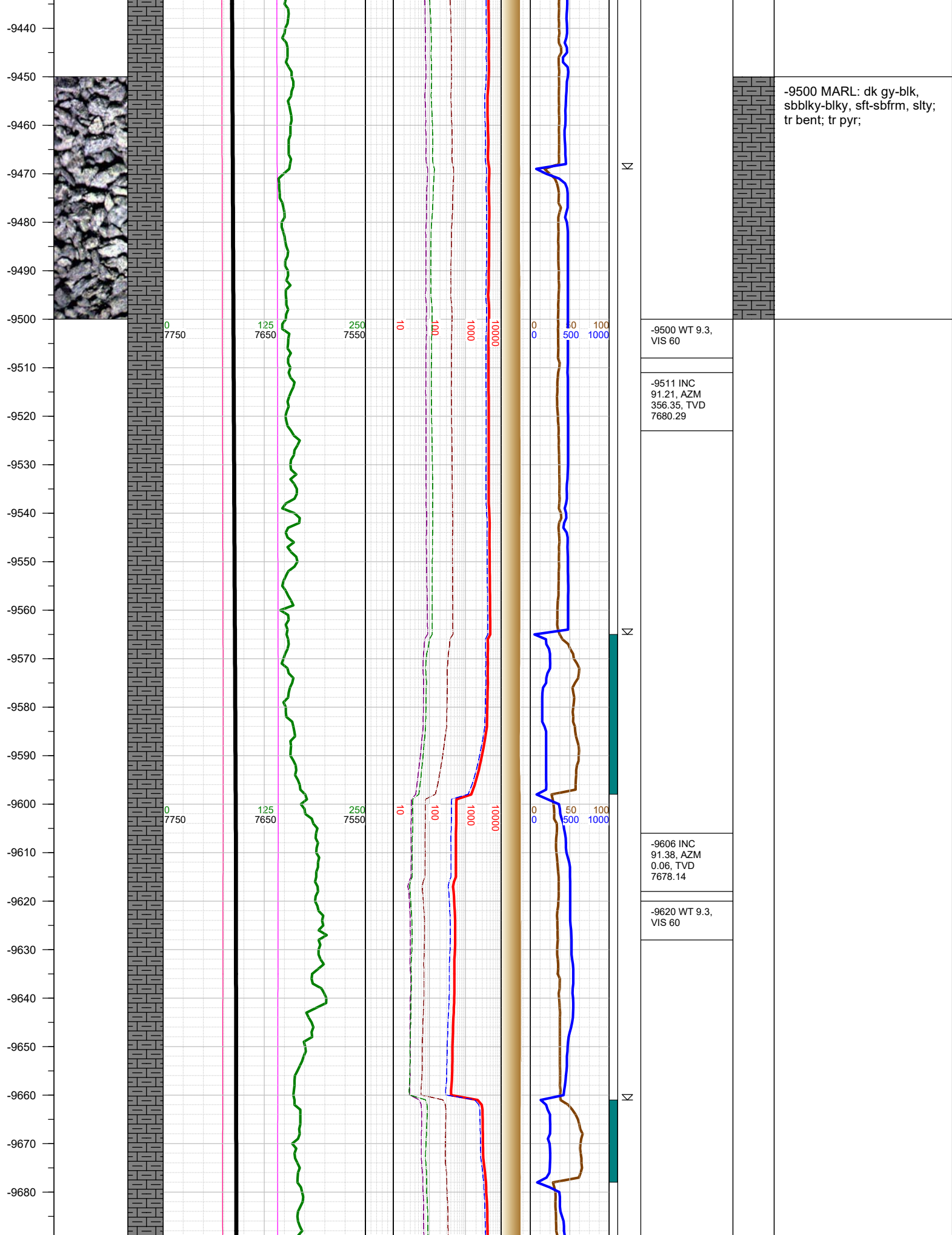




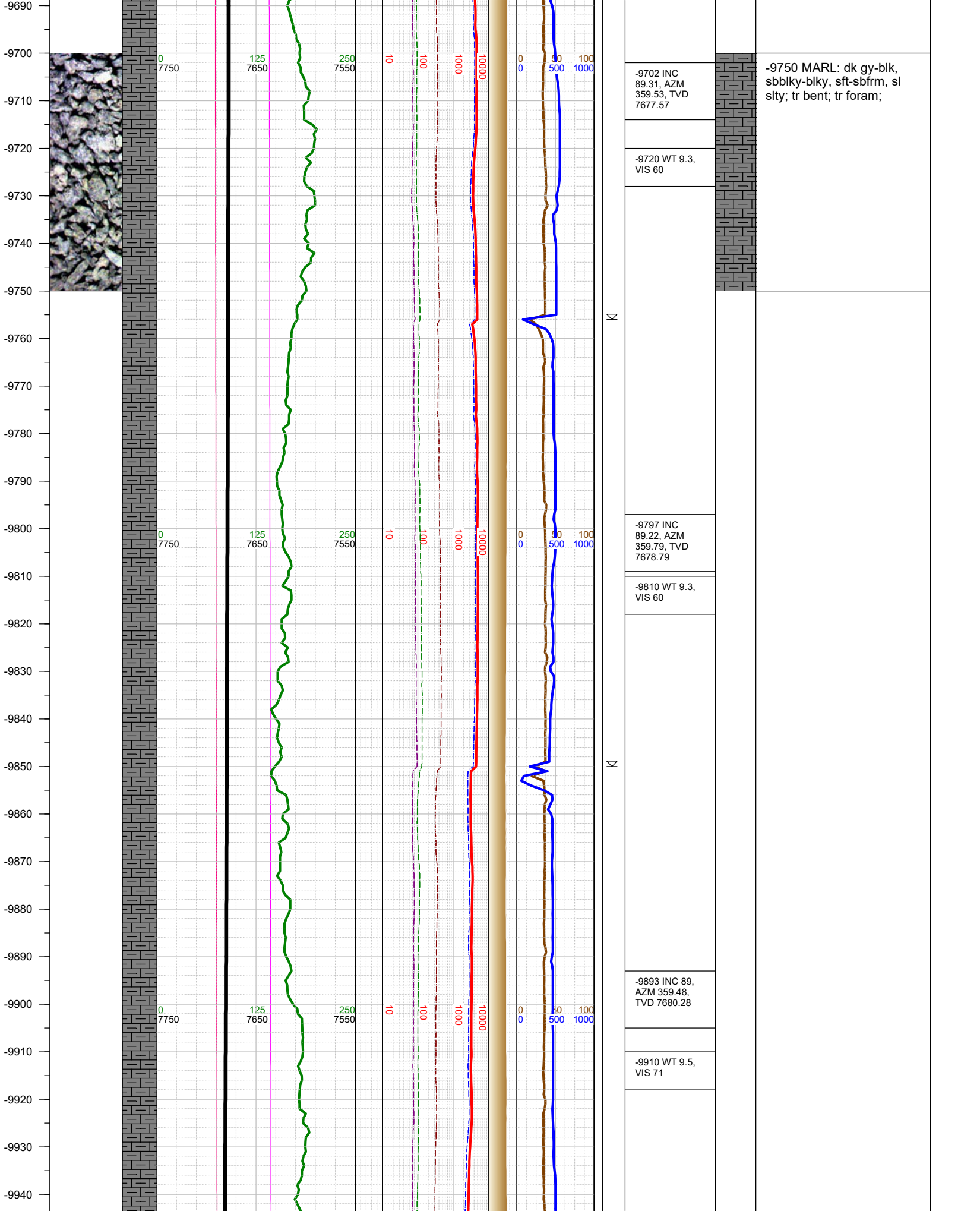






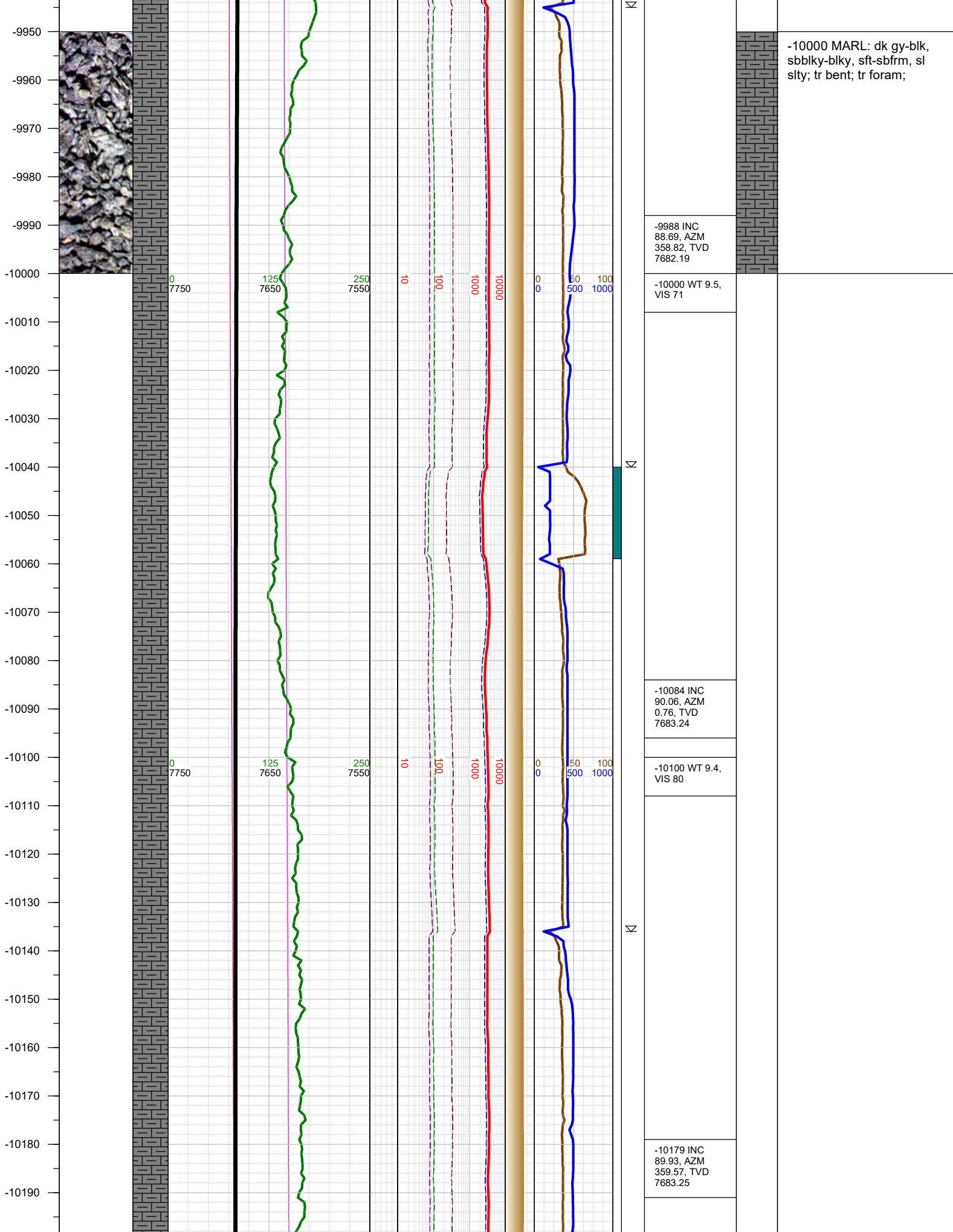




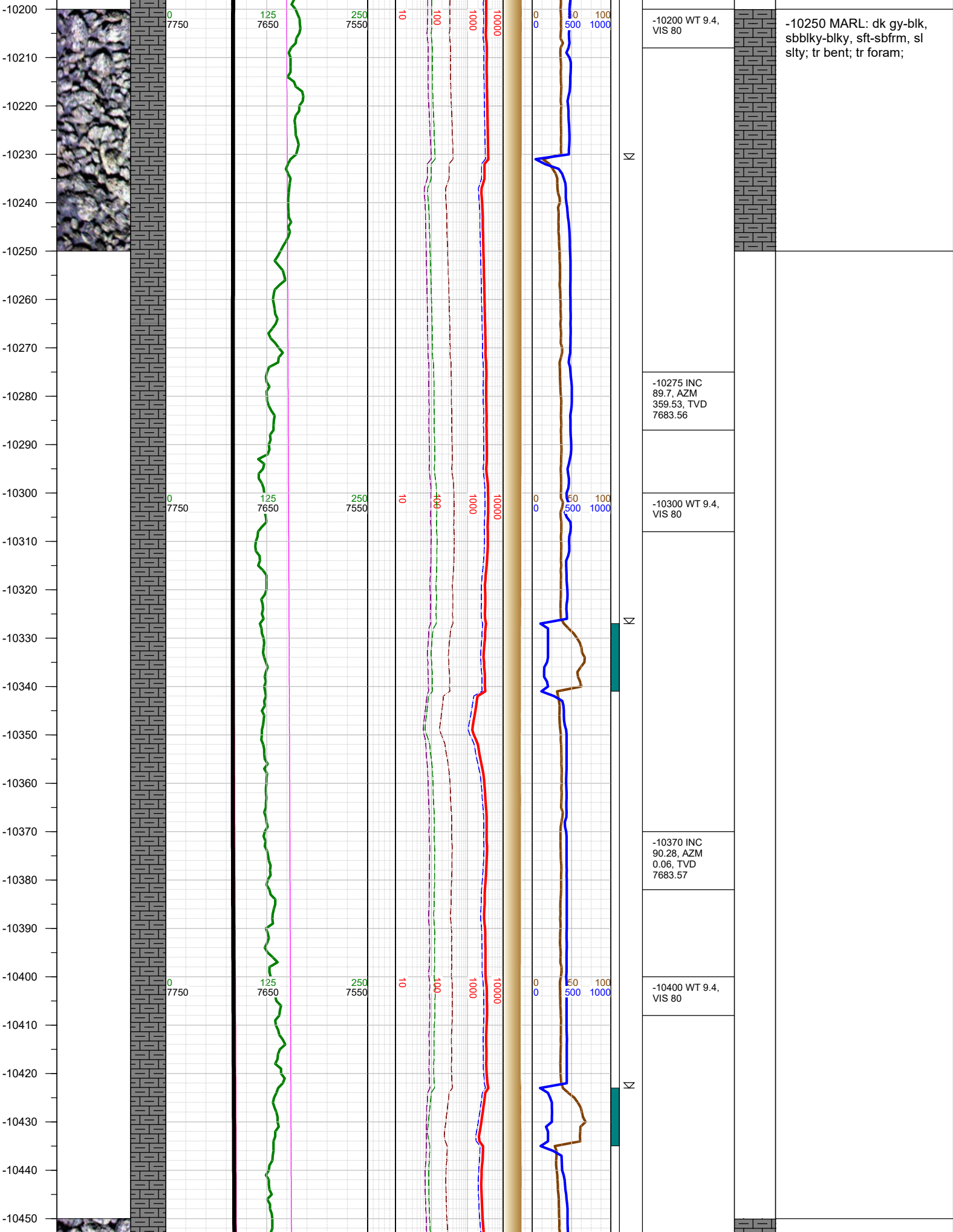


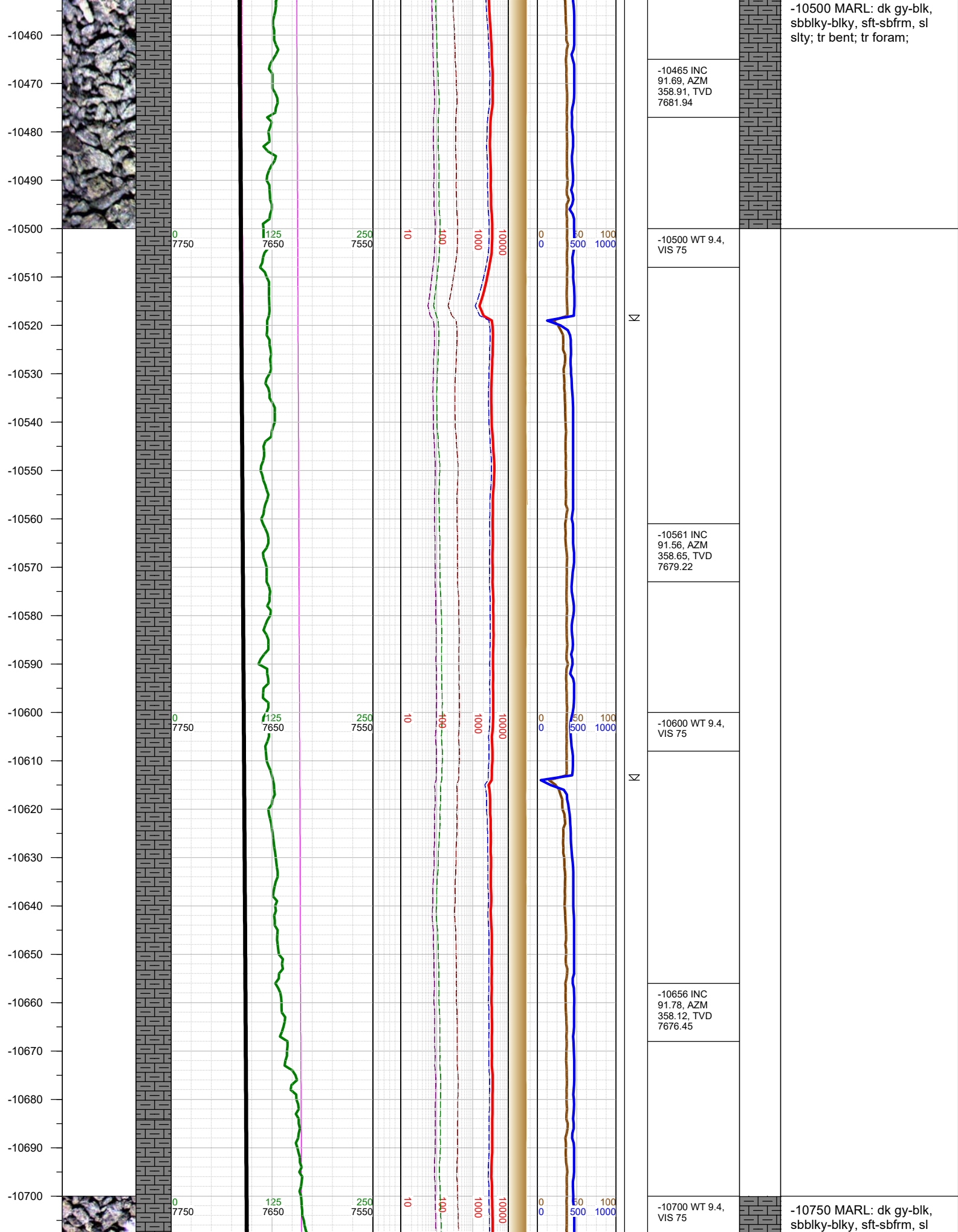
-9750 MARL: dk gy-blk, sbblky-blky, sft-sbfrm, sl slty; tr bent; tr foram;



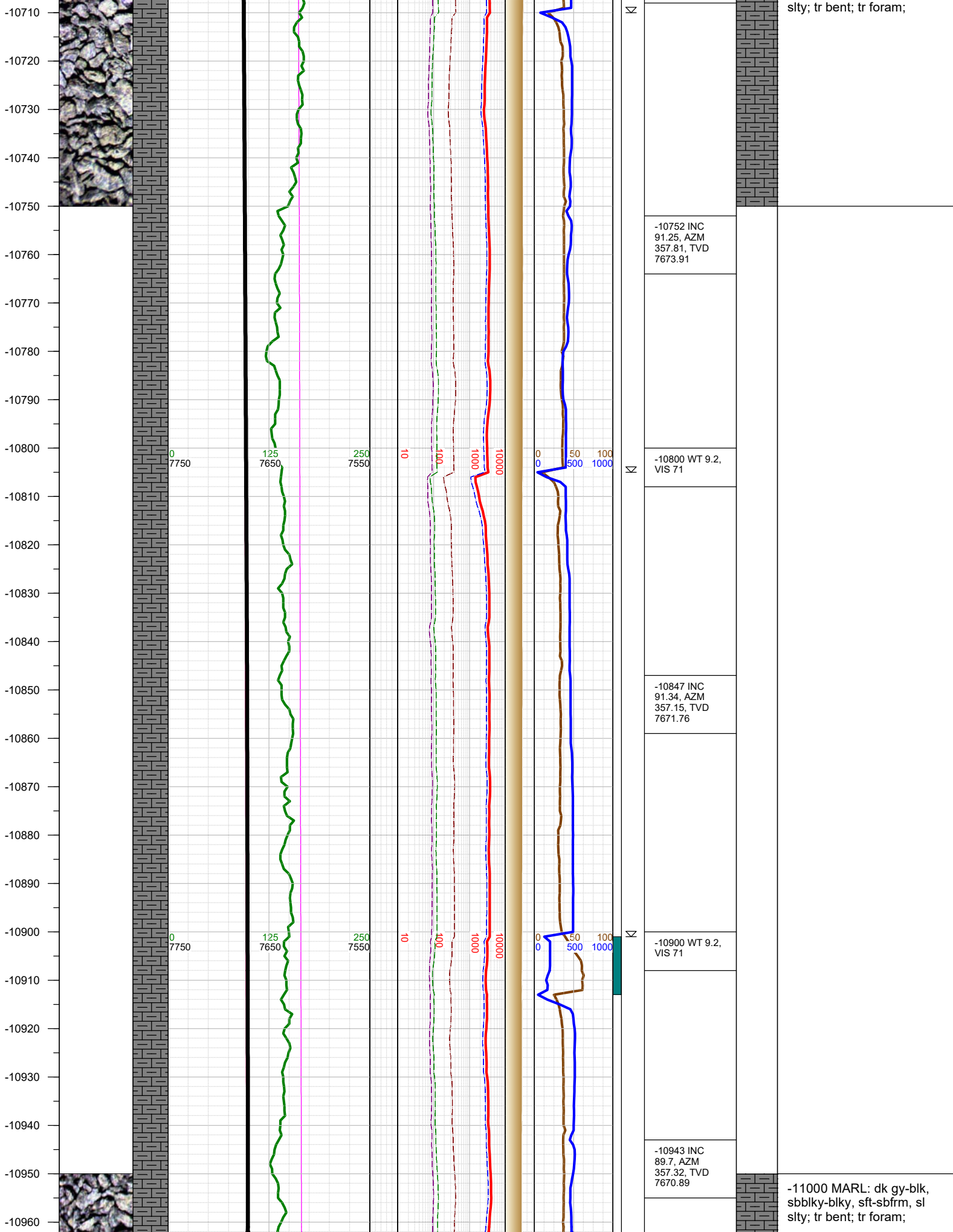


-10000 MARL: dk gy-blk, sbblky-blky, sft-sbfrm, sl slty; tr bent; tr foram;

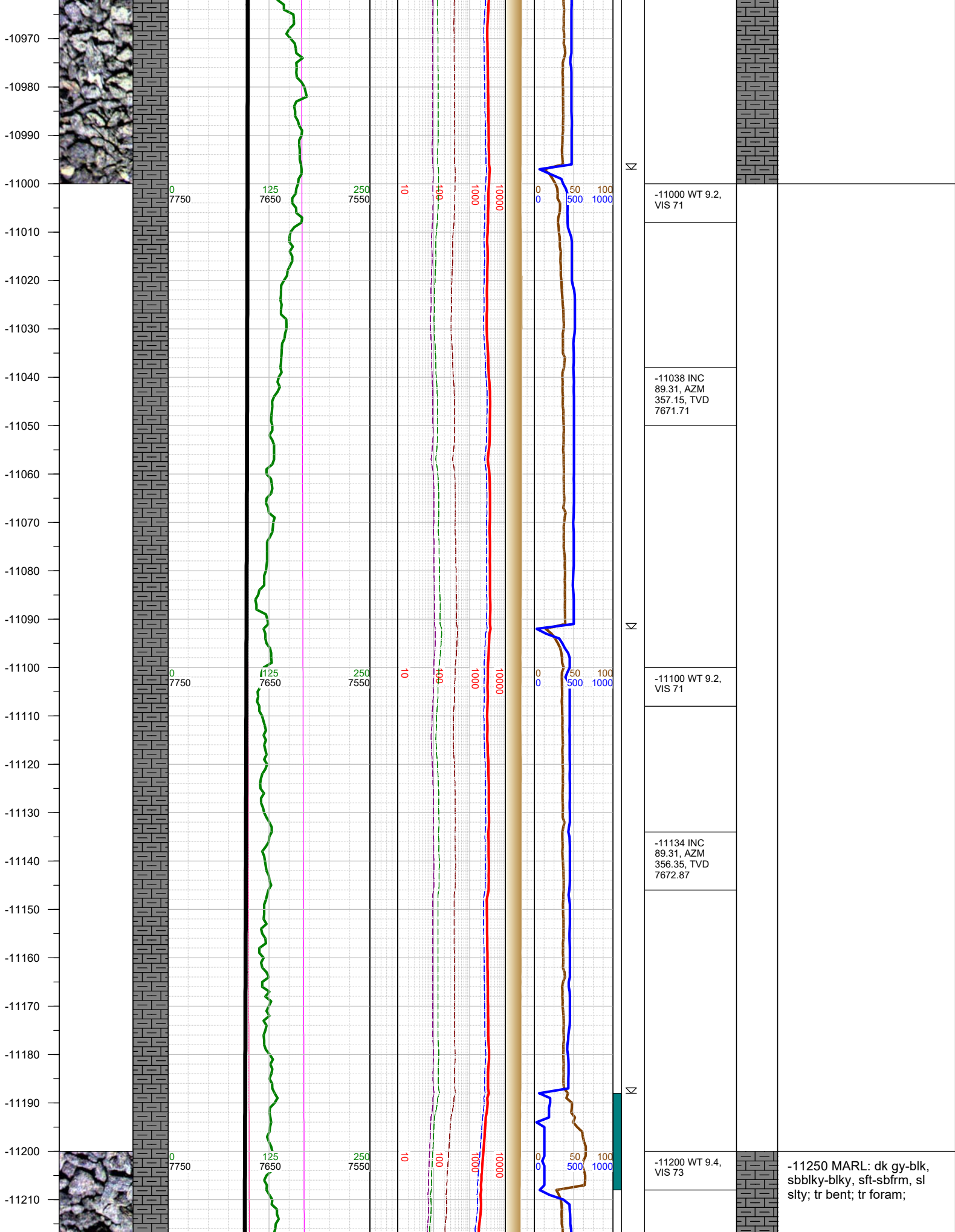


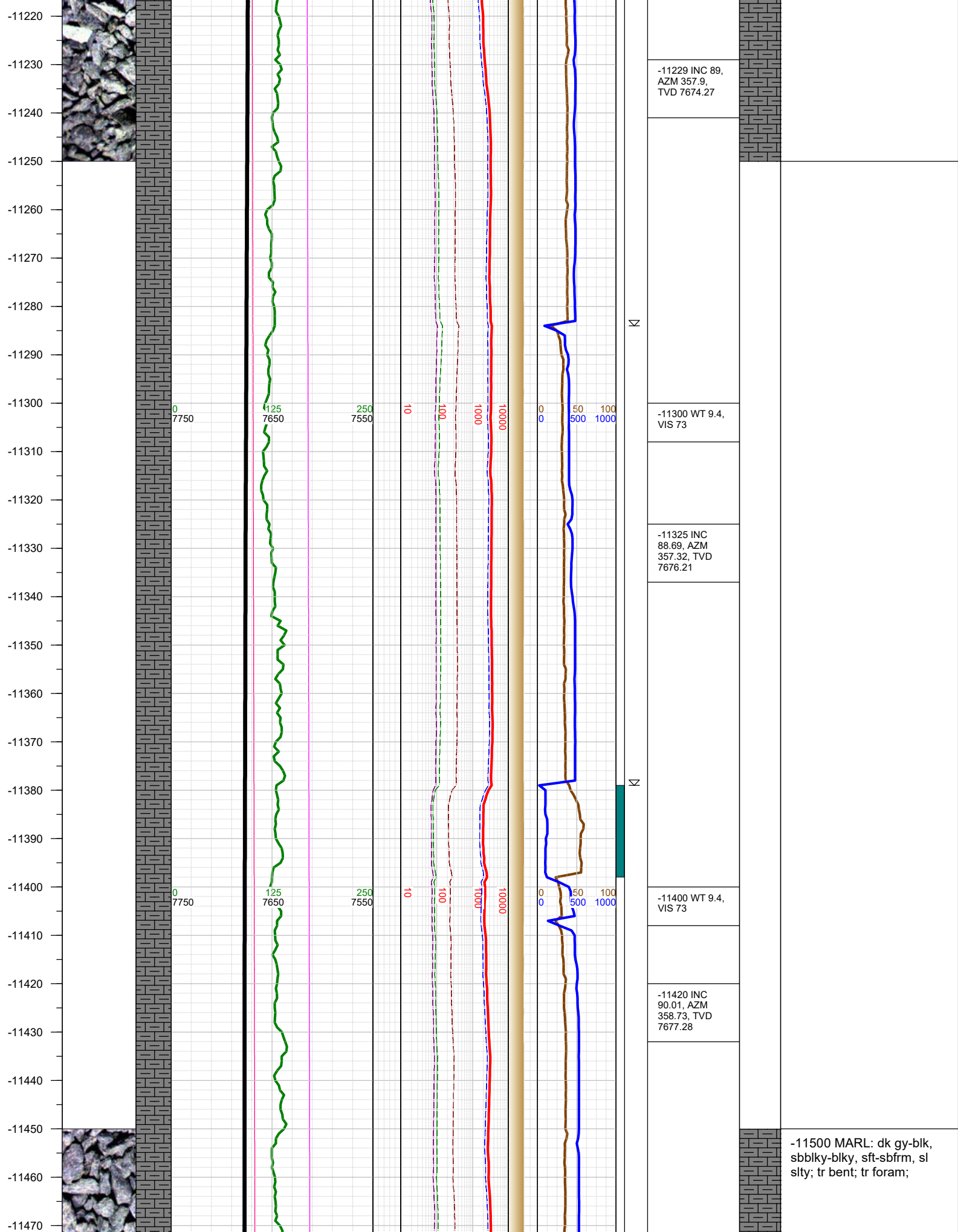


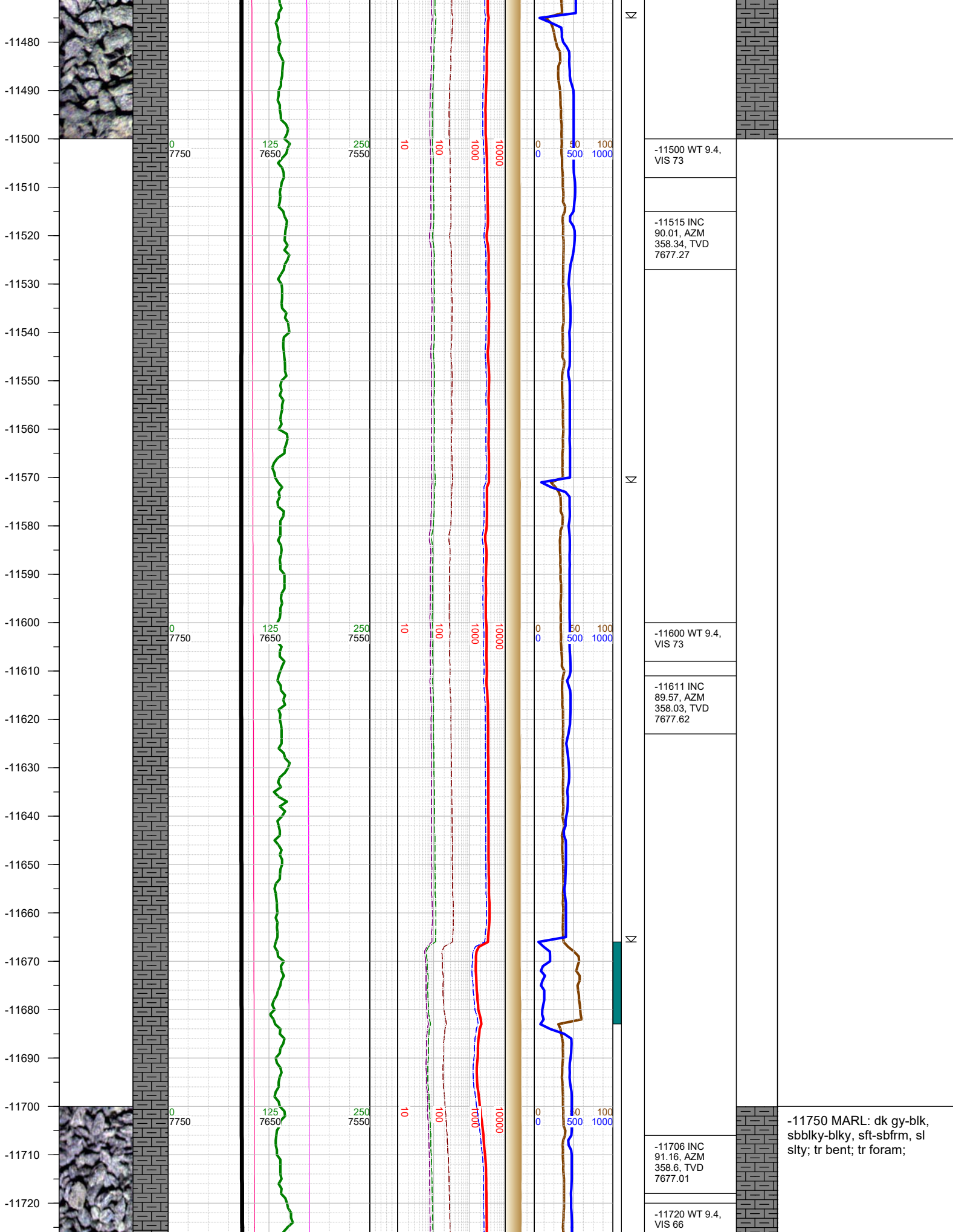












-11500 WT 9.4,  
VIS 73

-11515 INC  
90.01, AZM  
358.34, TVD  
7677.27

-11600 WT 9.4,  
VIS 73

-11611 INC  
89.57, AZM  
358.03, TVD  
7677.62

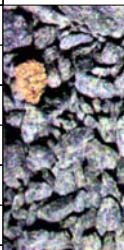
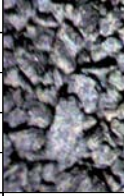
-11706 INC  
91.16, AZM  
358.6, TVD  
7677.01

-11720 WT 9.4,  
VIS 66

-11750 MARL: dk gy-blk,  
sbbky-blky, sft-sbfrm, sl  
slty; tr bent; tr foram;



-11730  
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-11802 INC  
91.25, AZM  
358.38, TVD  
7674.99

-11820 WT 9.4,  
VIS 66

Σ

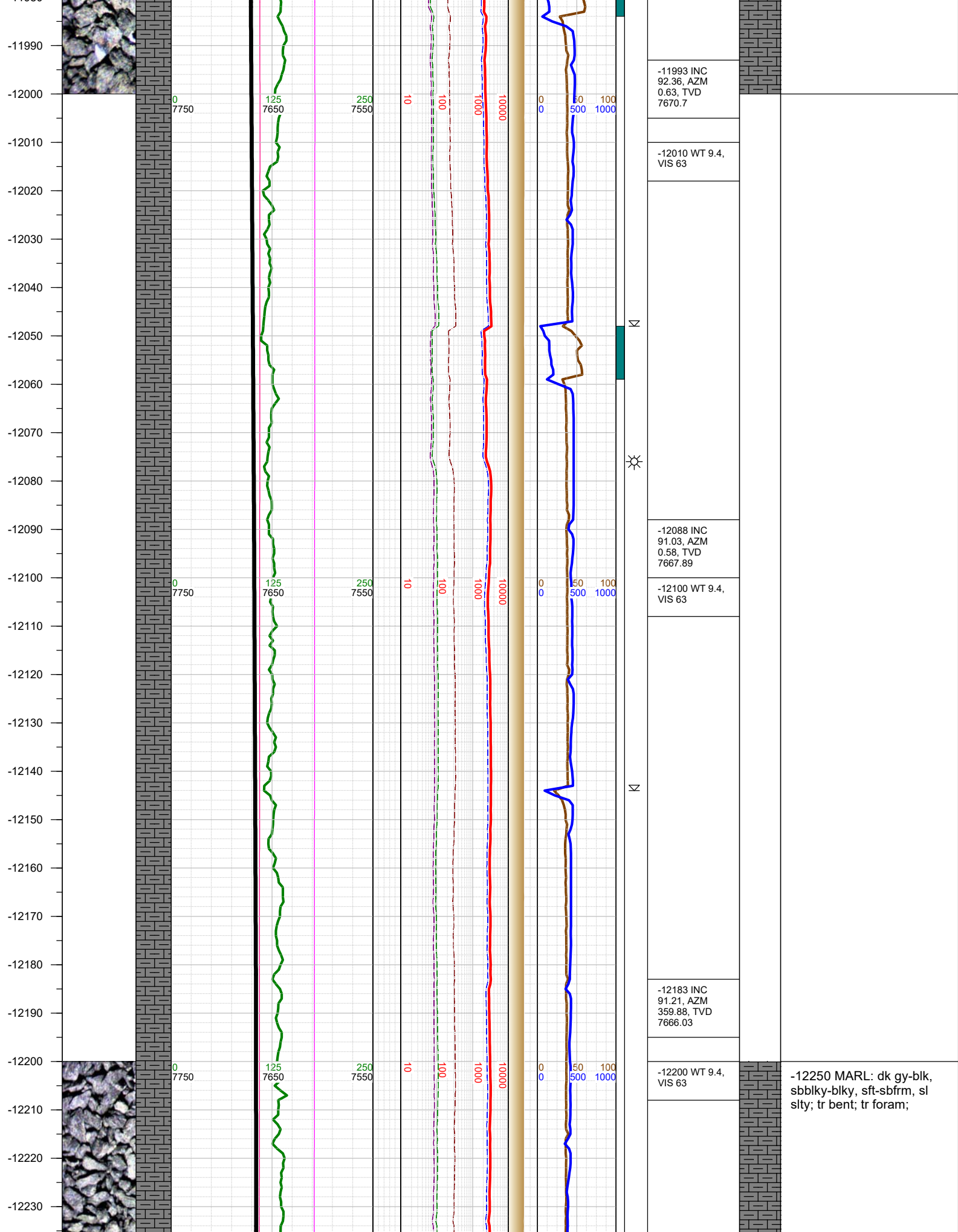
-11897 INC  
90.77, AZM  
356.93, TVD  
7673.32

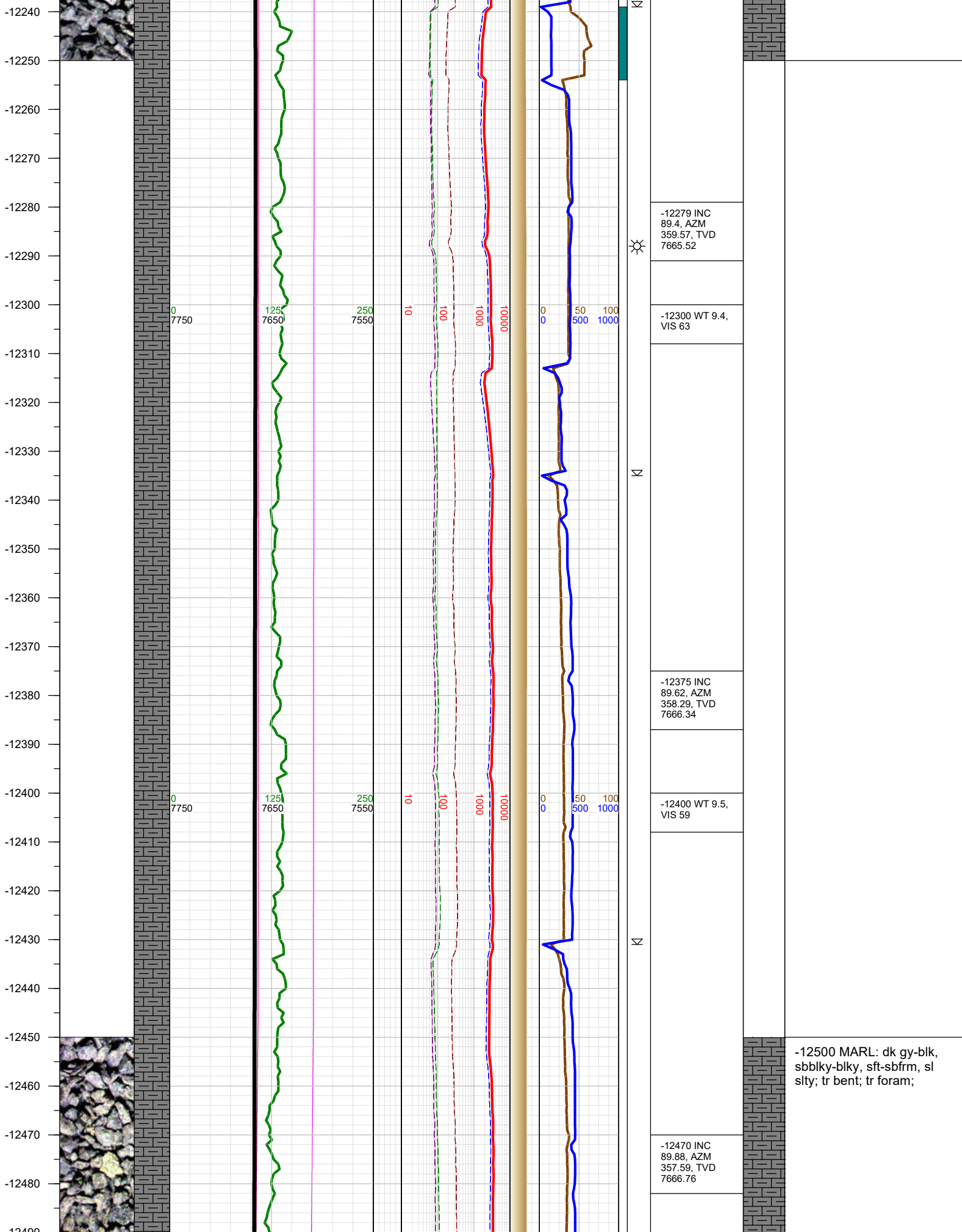
-11910 WT 9.4,  
VIS 66

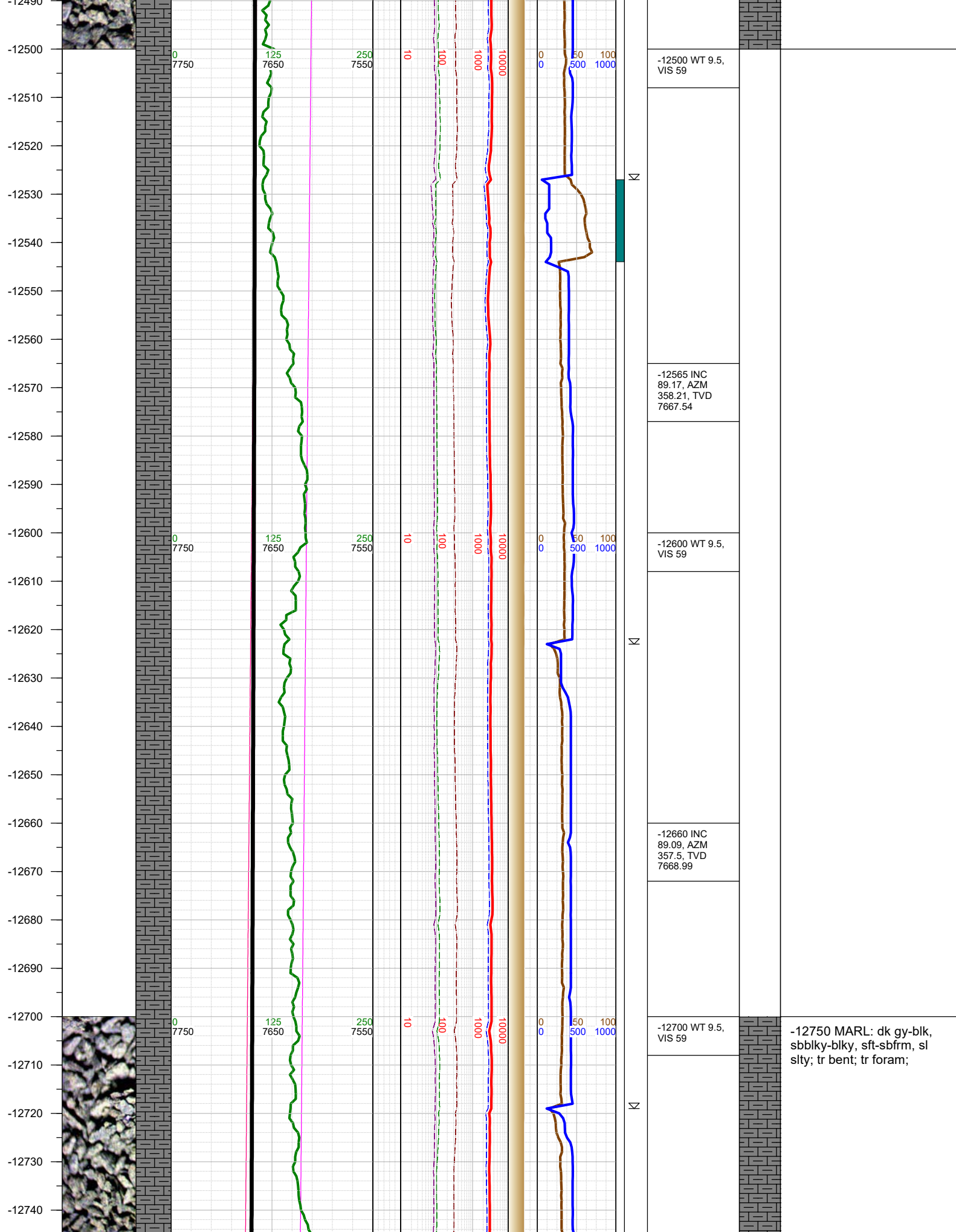
Σ

-12000 MARL: dk gy-blk,  
sbbly-blky, sft-sbfrm, sl  
silty; tr bent; tr foram;



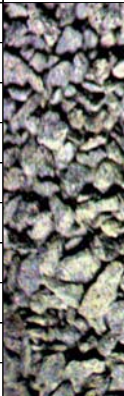








-12750  
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-12980  
-12990



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-12755 INC  
89.09, AZM  
357.32, TVD  
7670.49

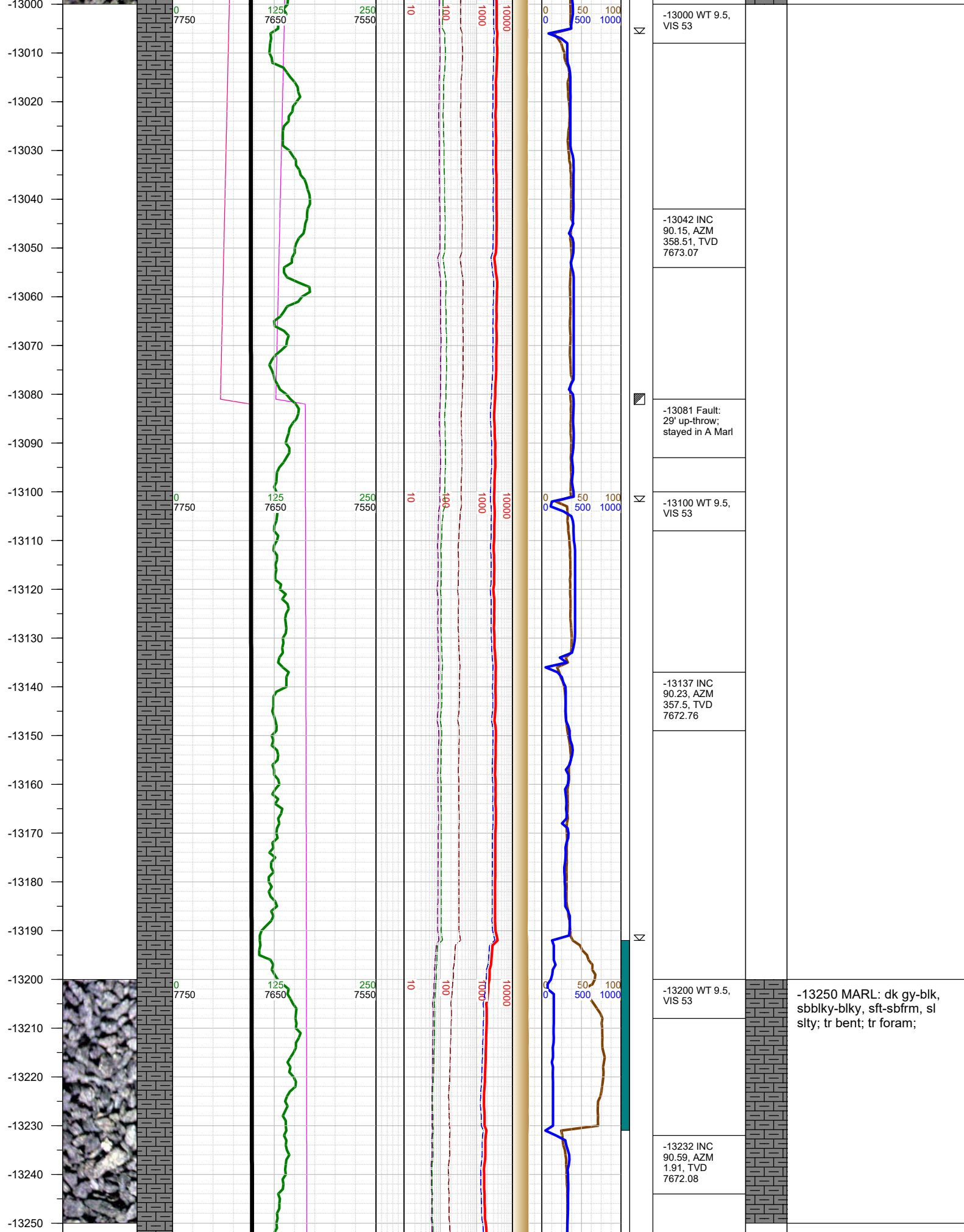
-12800 WT 9.5,  
VIS 59

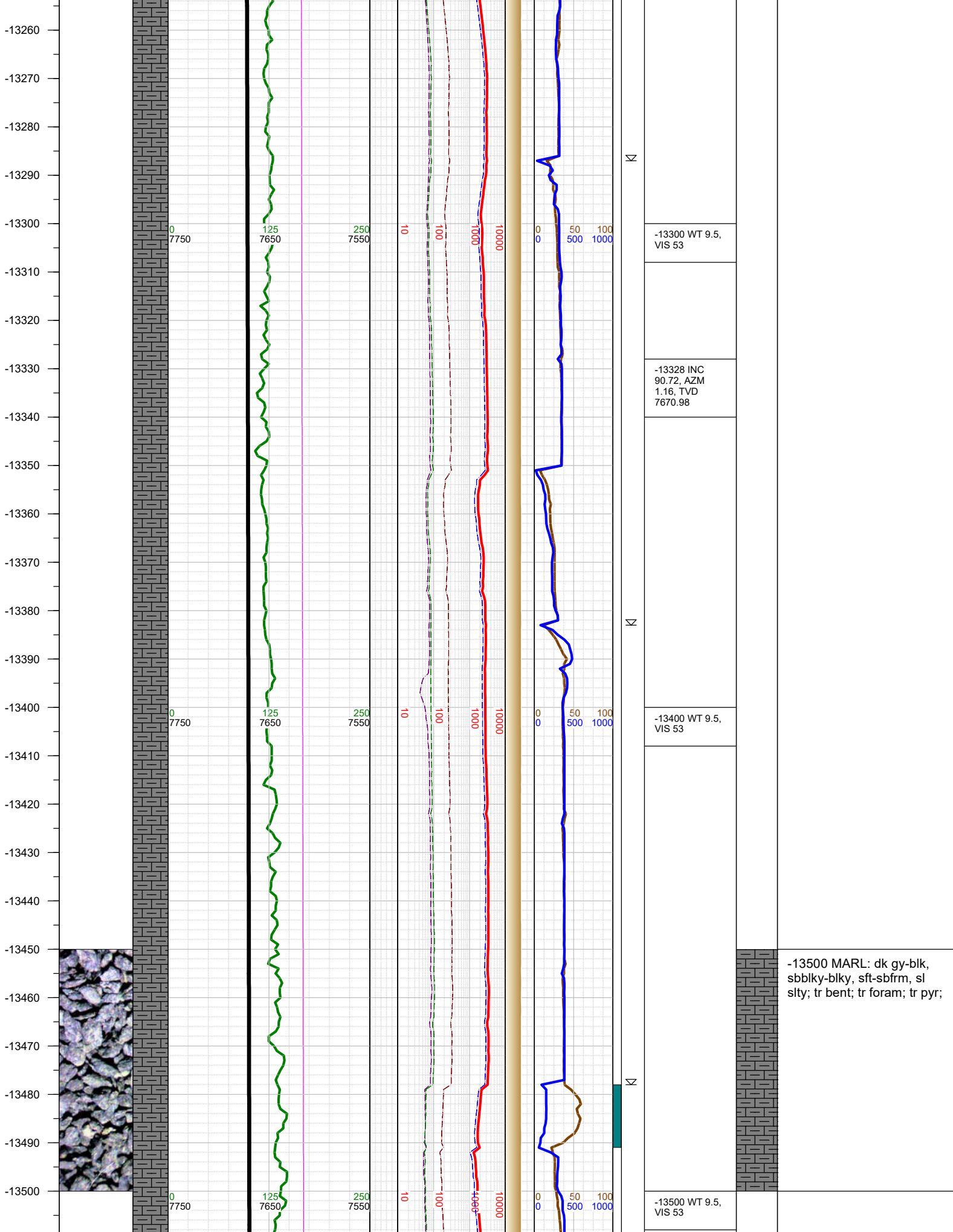
-12851 INC  
89.09, AZM  
356.93, TVD  
7672.02

-12900 WT 9.5,  
VIS 59

-12947 INC  
89.75, AZM  
359.13, TVD  
7672.99

-13000 MARL: dk gy-blk,  
sbbiky-blky, sft-sbfrm, sl  
slty; tr bent; tr foram;





-13300 WT 9.5,  
VIS 53

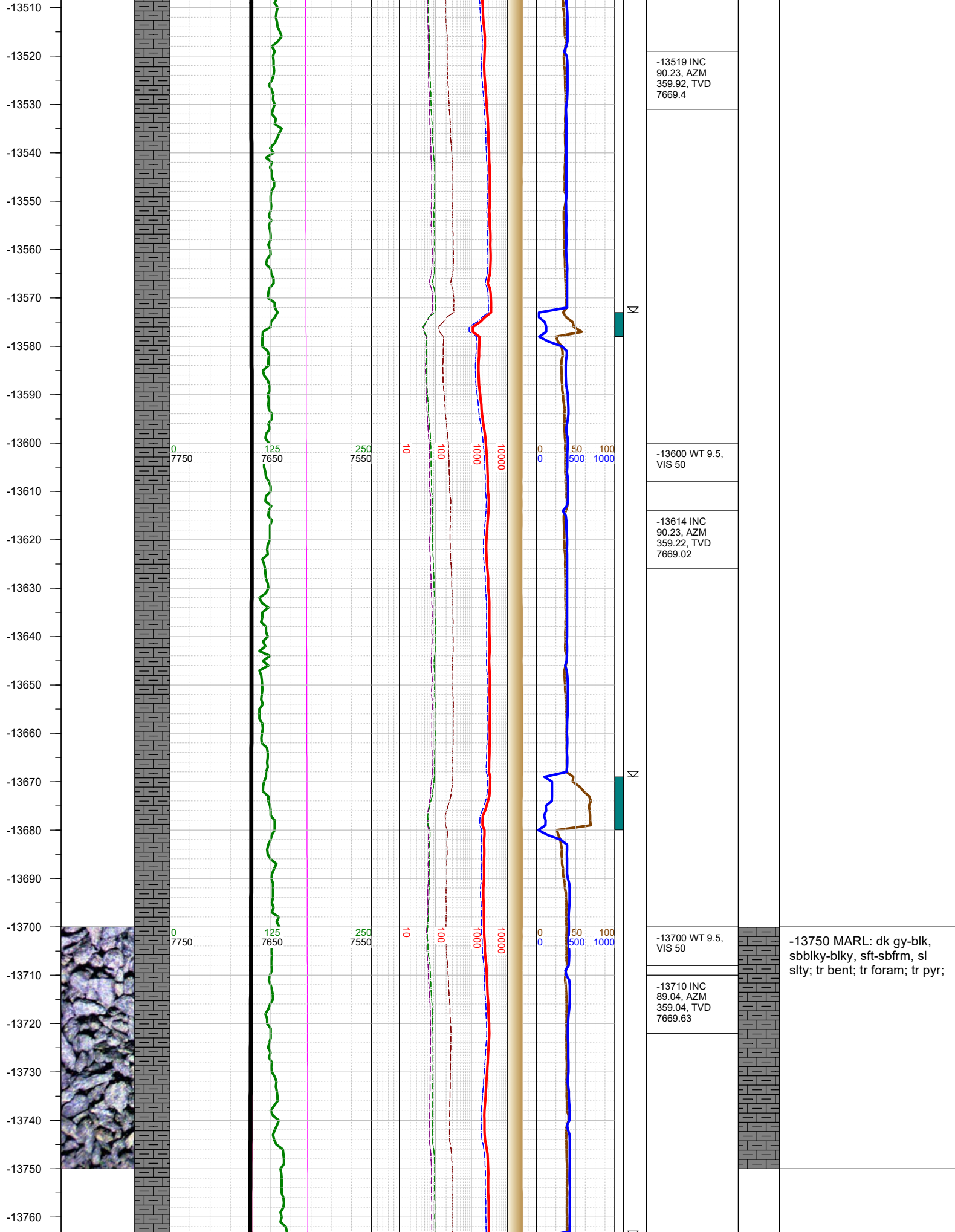
-13328 INC  
90.72, AZM  
1.16, TVD  
7670.98

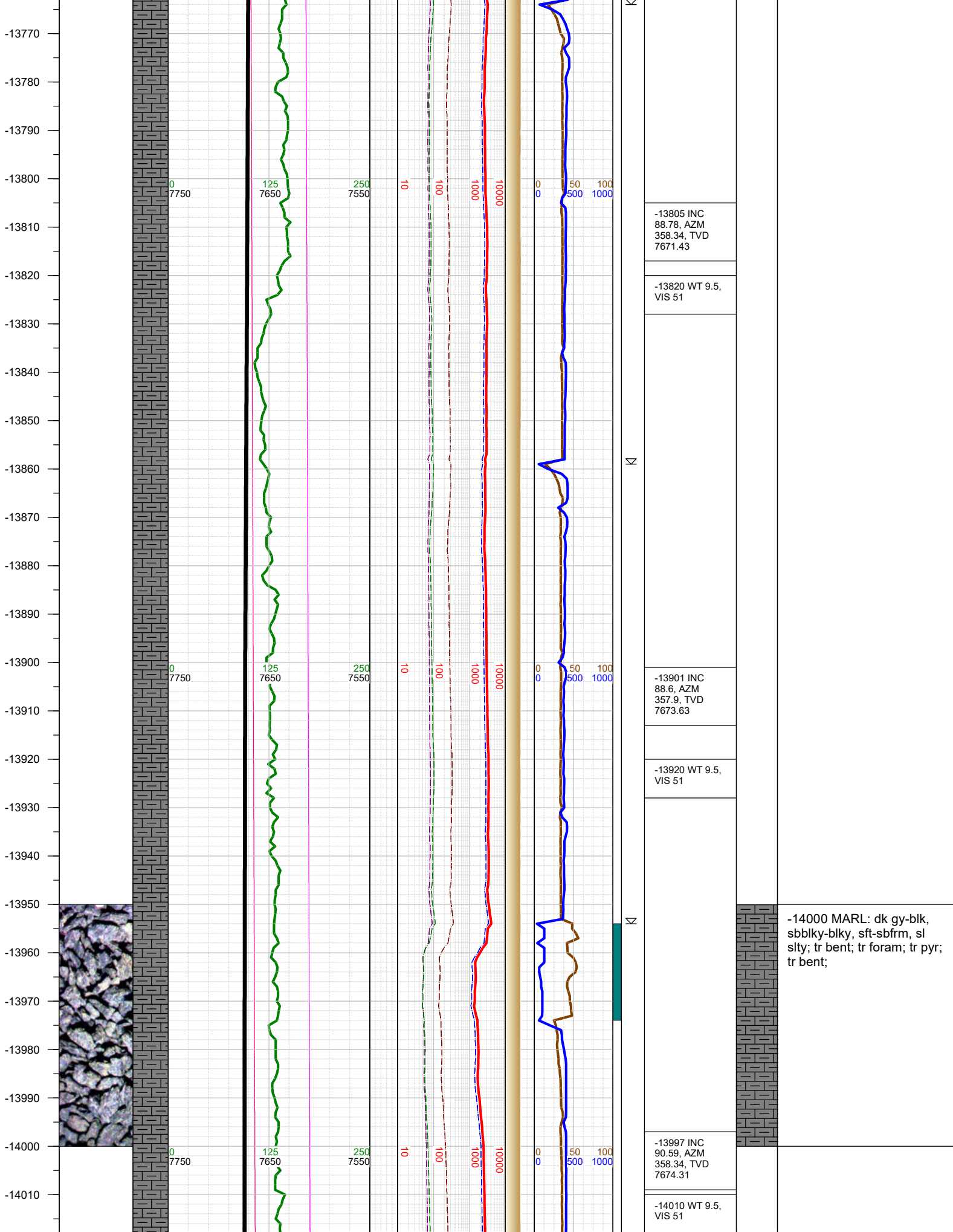
-13400 WT 9.5,  
VIS 53

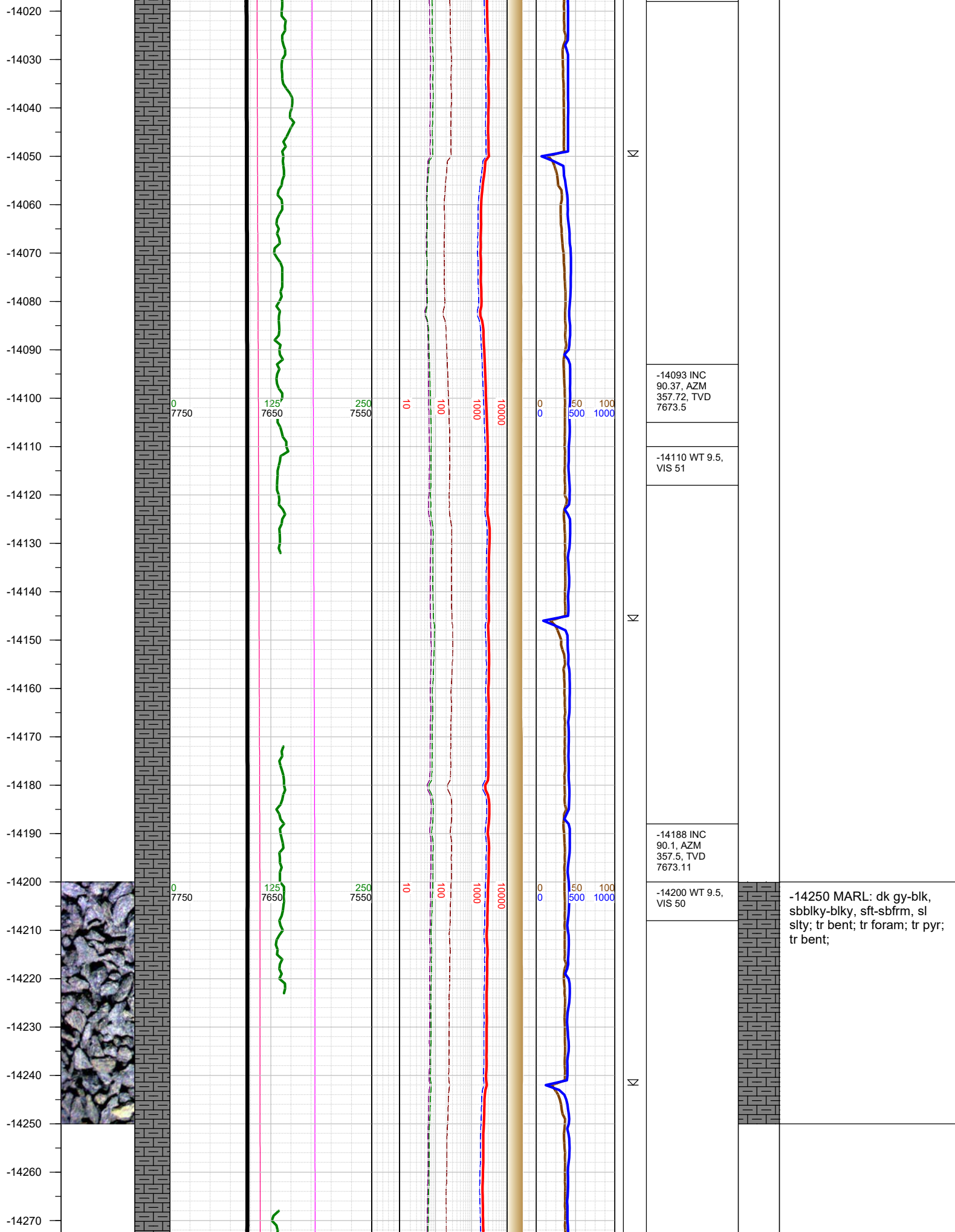
-13500 MARL: dk gy-blk,  
sbbiky-blky, sft-sbfrm, sl  
slty; tr bent; tr foram; tr pyr;

-13500 WT 9.5,  
VIS 53

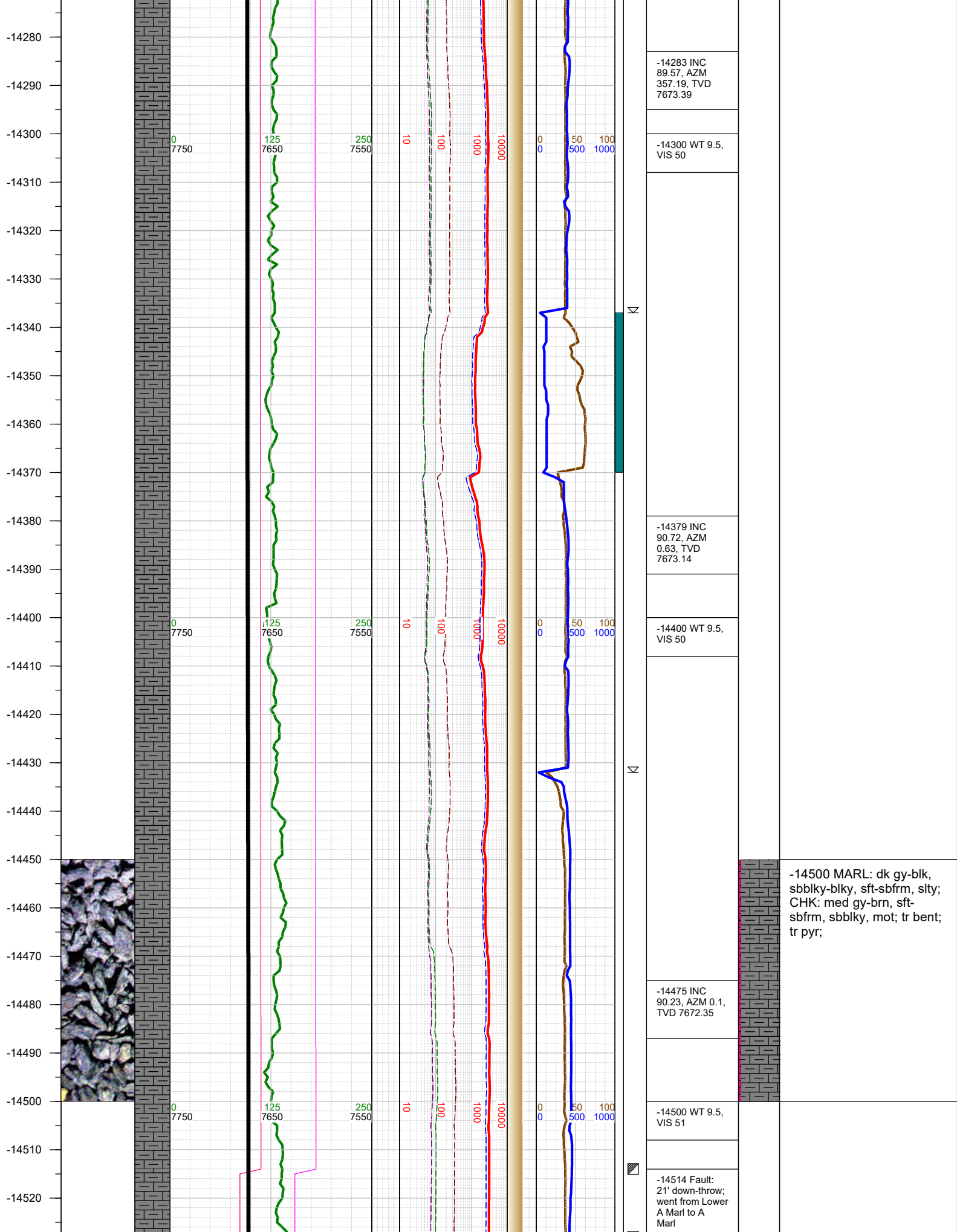




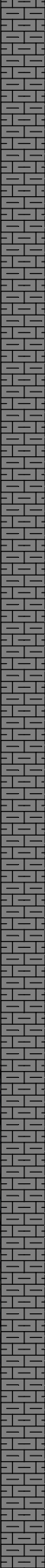








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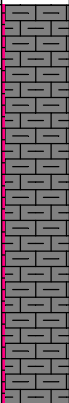
-14570 INC  
89.97, AZM  
0.58, TVD  
7672.18

-14600 WT 9.5,  
VIS 51

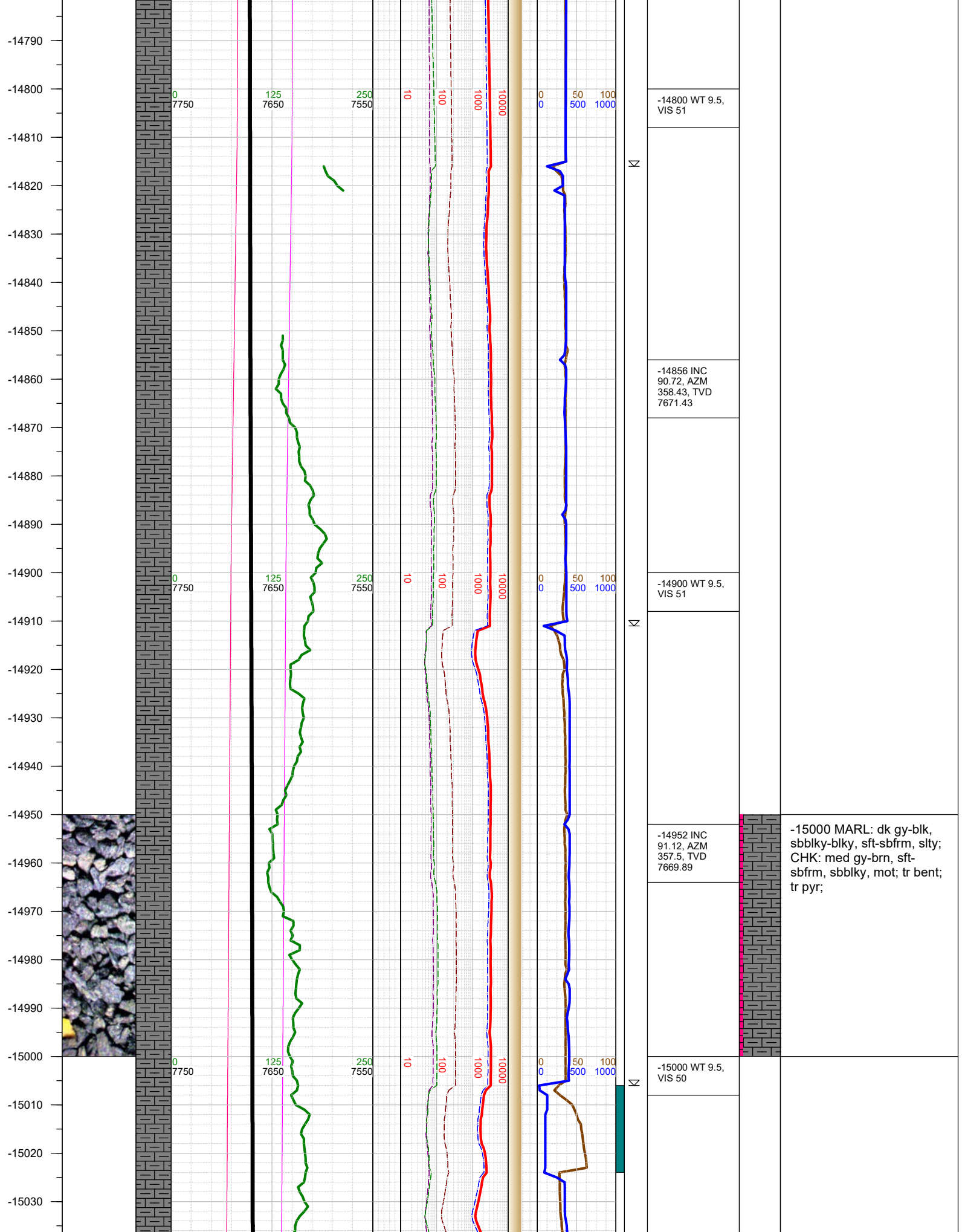
-14666 INC  
89.88, AZM  
359.88, TVD  
7672.31

-14700 WT 9.5,  
VIS 51

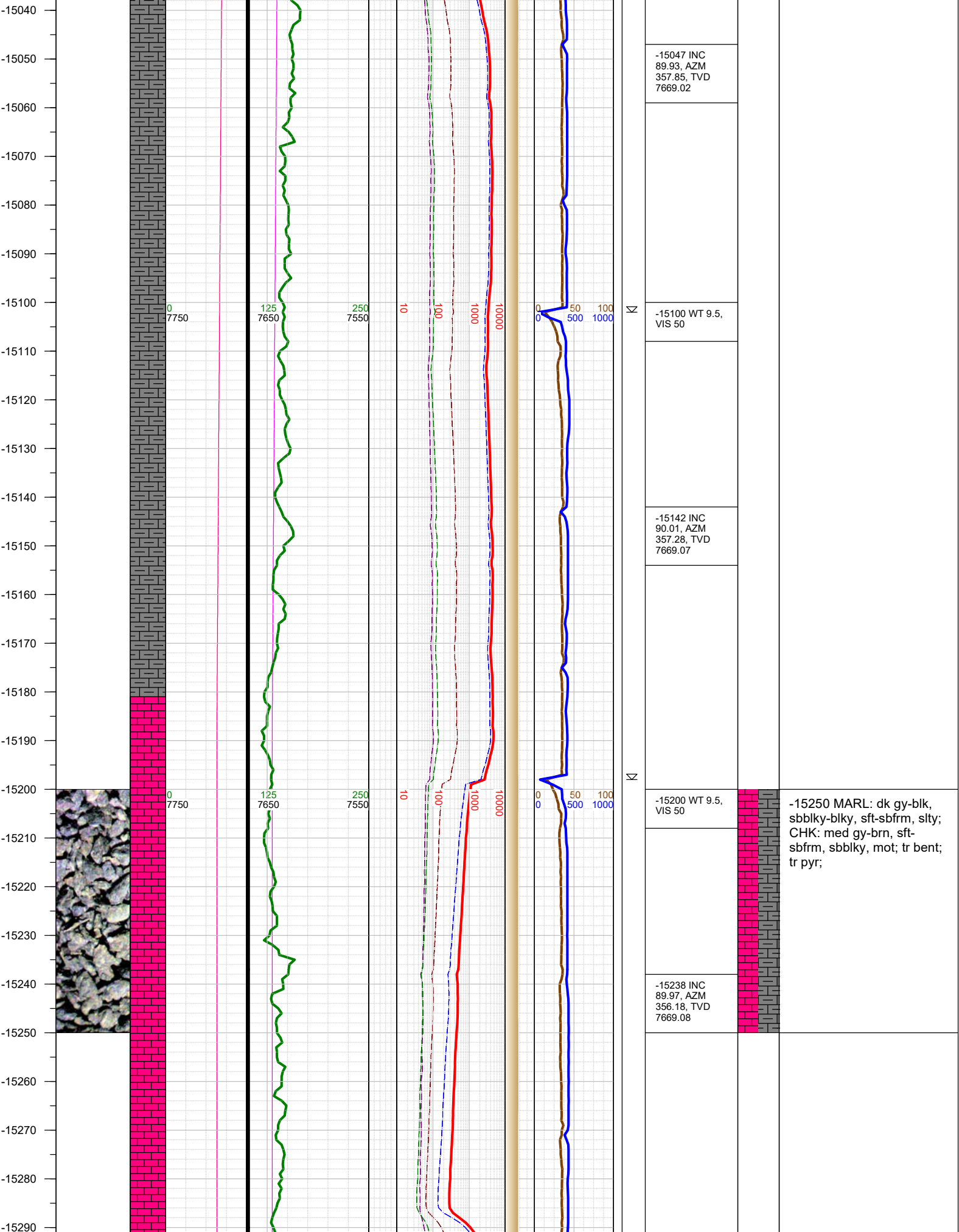
-14761 INC  
90.23, AZM  
359.31, TVD  
7672.22

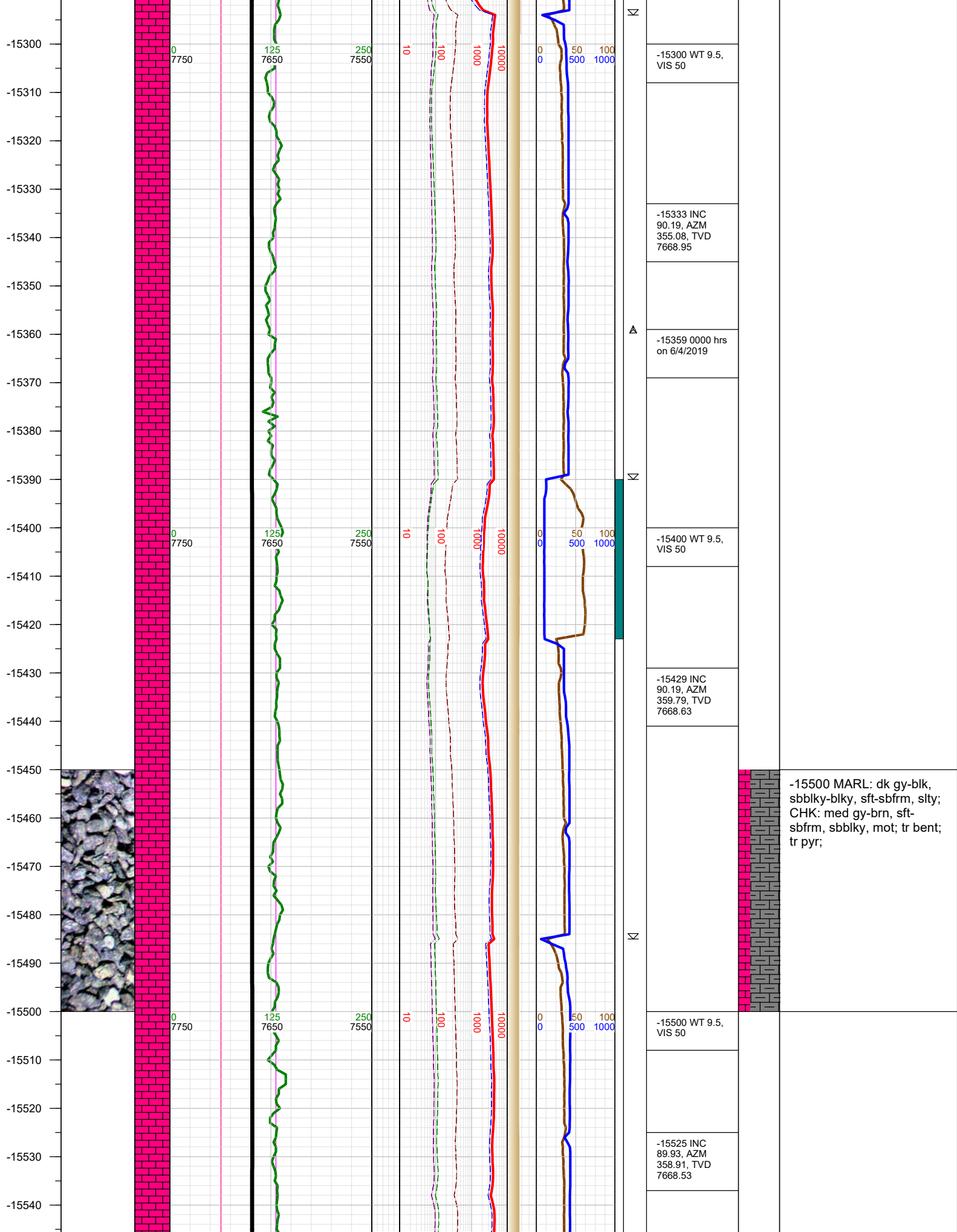


-14750 MARL: dk gy-blk,  
sbbkly-blky, sft-sbfrm, slty;  
CHK: med gy-brn, sft-  
sbfrm, sbbkly, mot; tr bent;  
tr pyr;

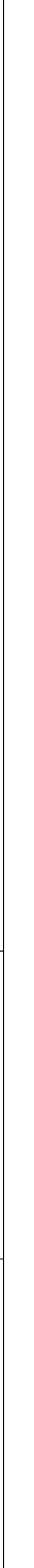
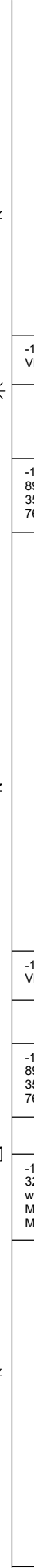
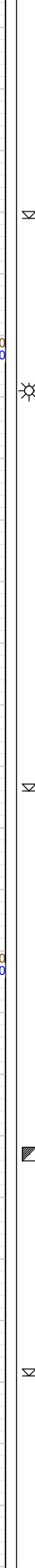
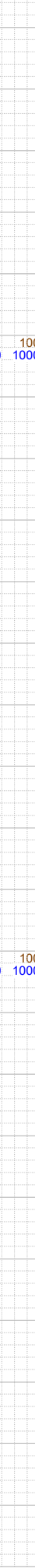
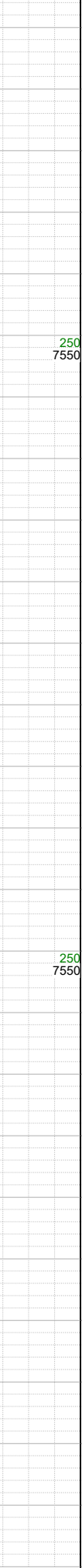
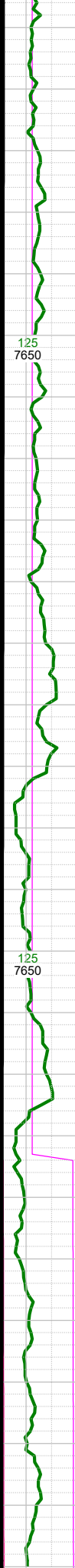
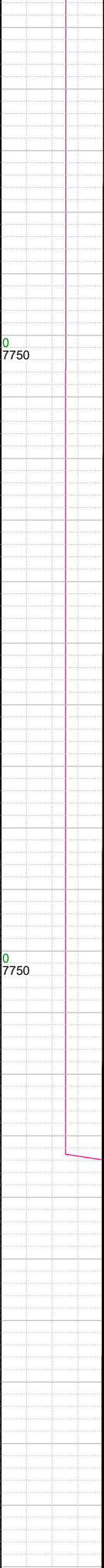
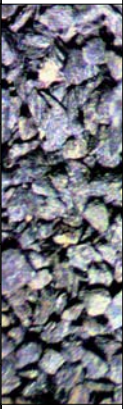








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-15600 WT 9.5,  
VIS 50

-15620 INC  
89.57, AZM  
358.16, TVD  
7668.95

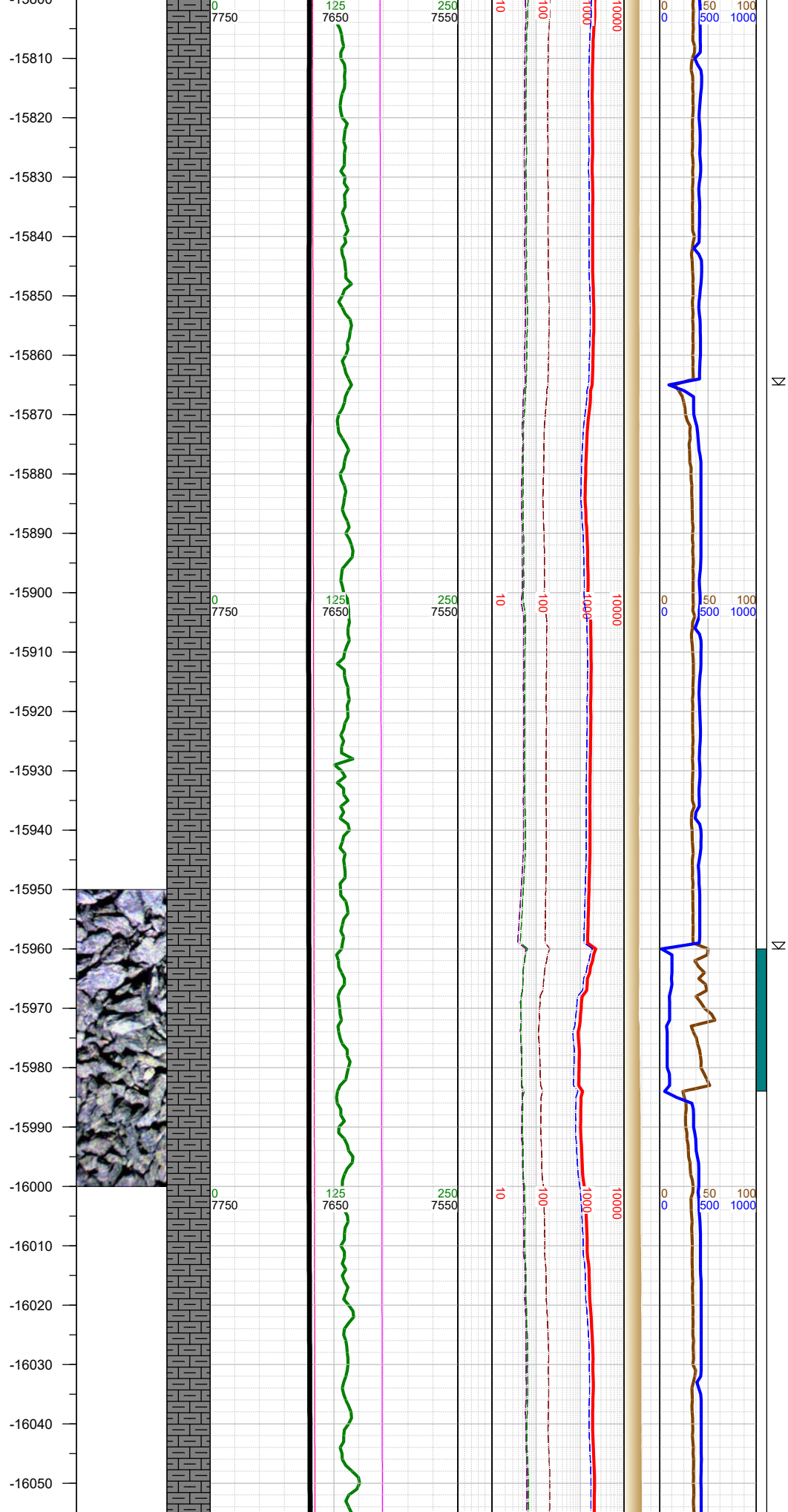
-15700 WT 9.6,  
VIS 50

-15715 INC  
89.75, AZM  
357.5, TVD  
7669.51

-15733 Fault:  
32' up-throw;  
went from A  
Marl to Lower A  
Marl

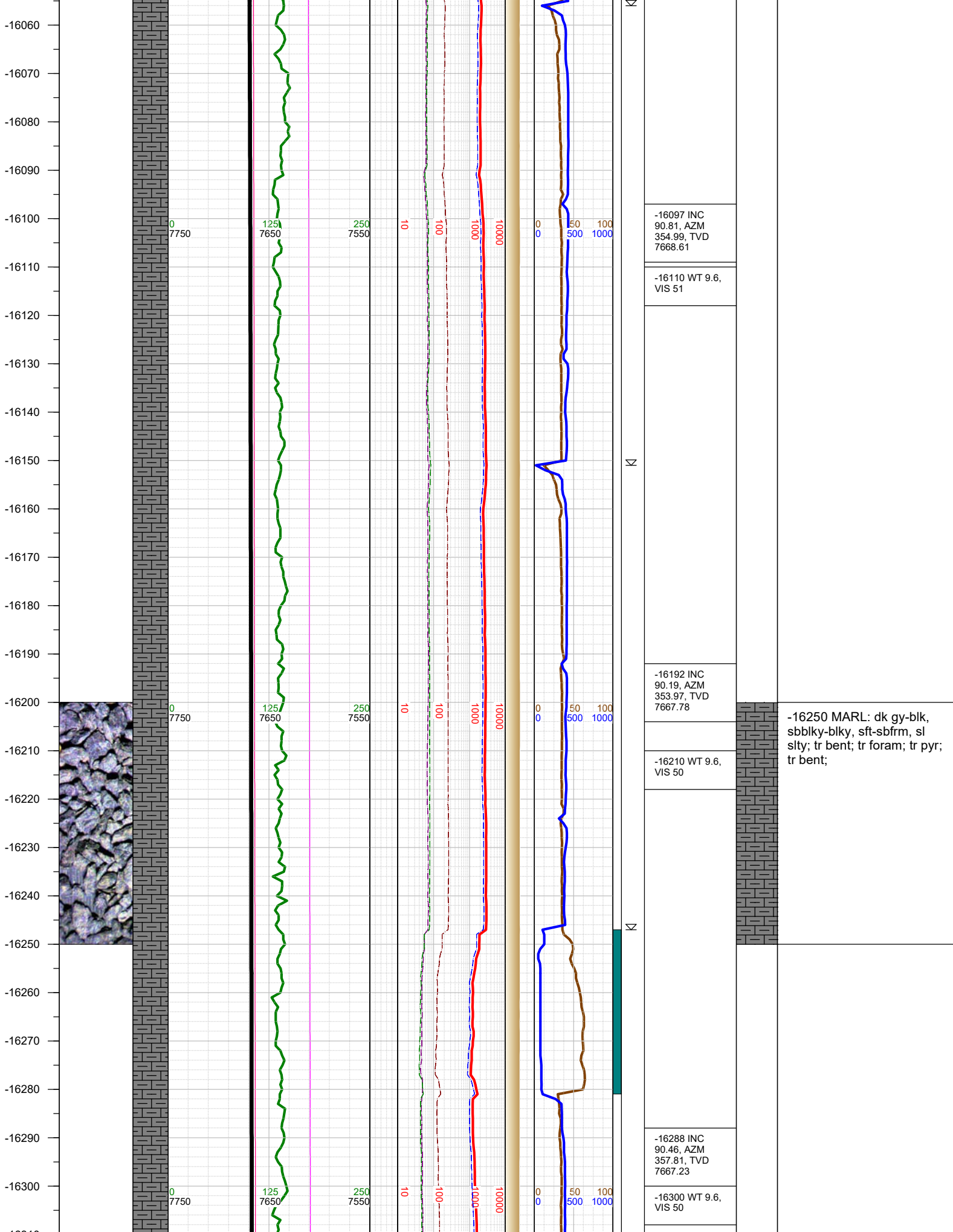
-15750 MARL: dk gy-blk,  
sbbkly-blky, sft-sbfrm, slty;  
CHK: med gy-brn, sft-  
sbfrm, sbbkly, mot; tr bent;  
tr pyr;

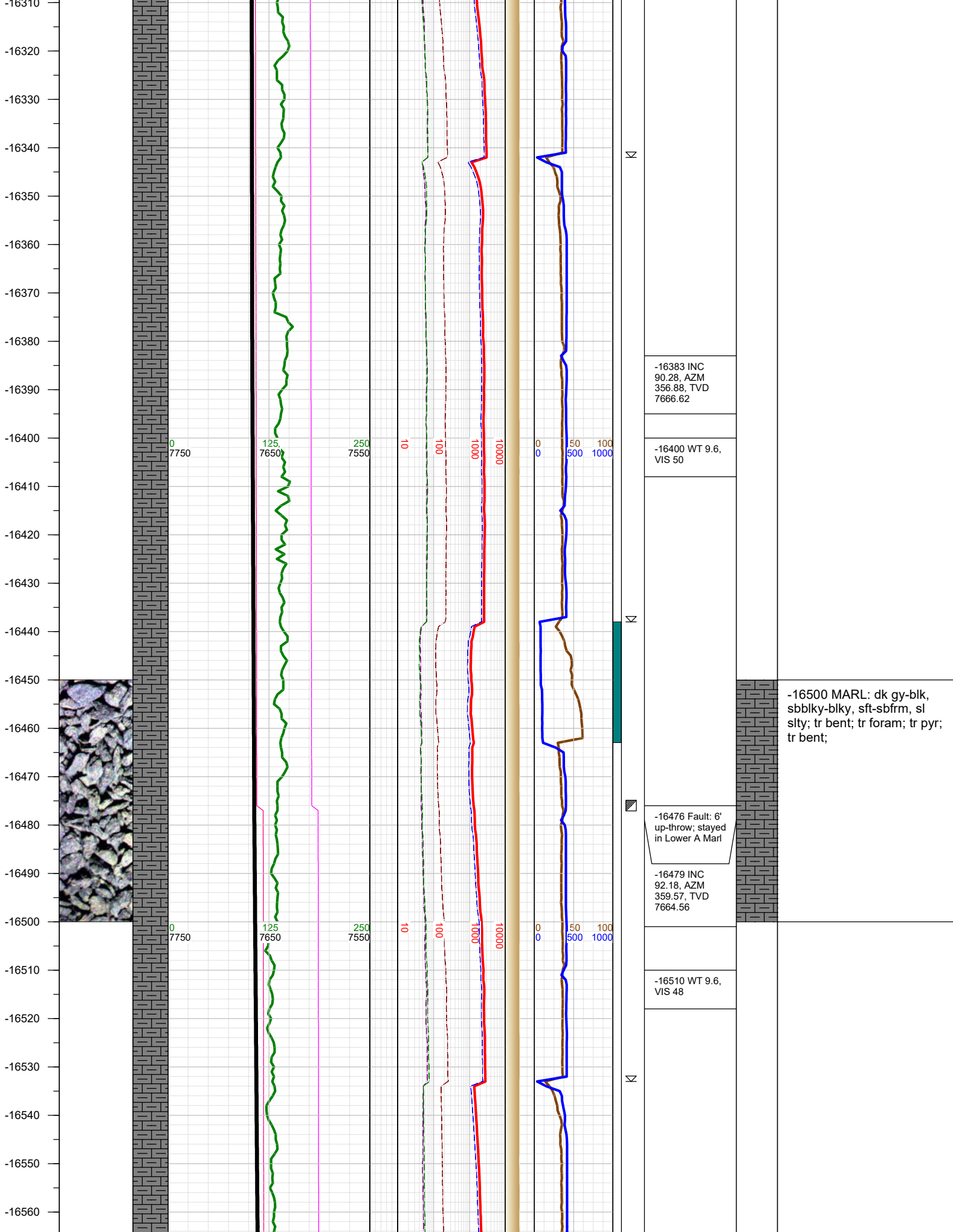




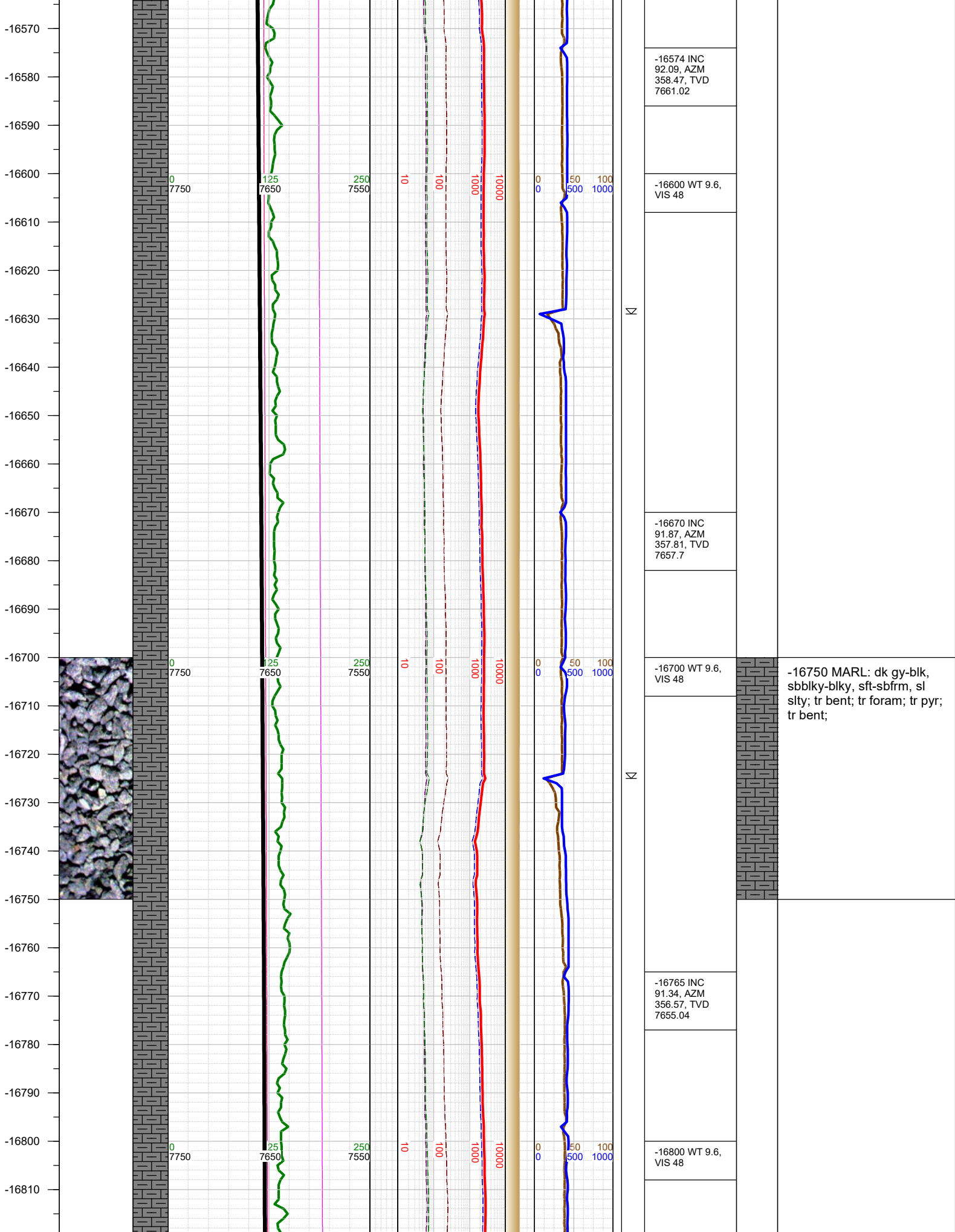
-16020 WT 9.6,  
VIS 51

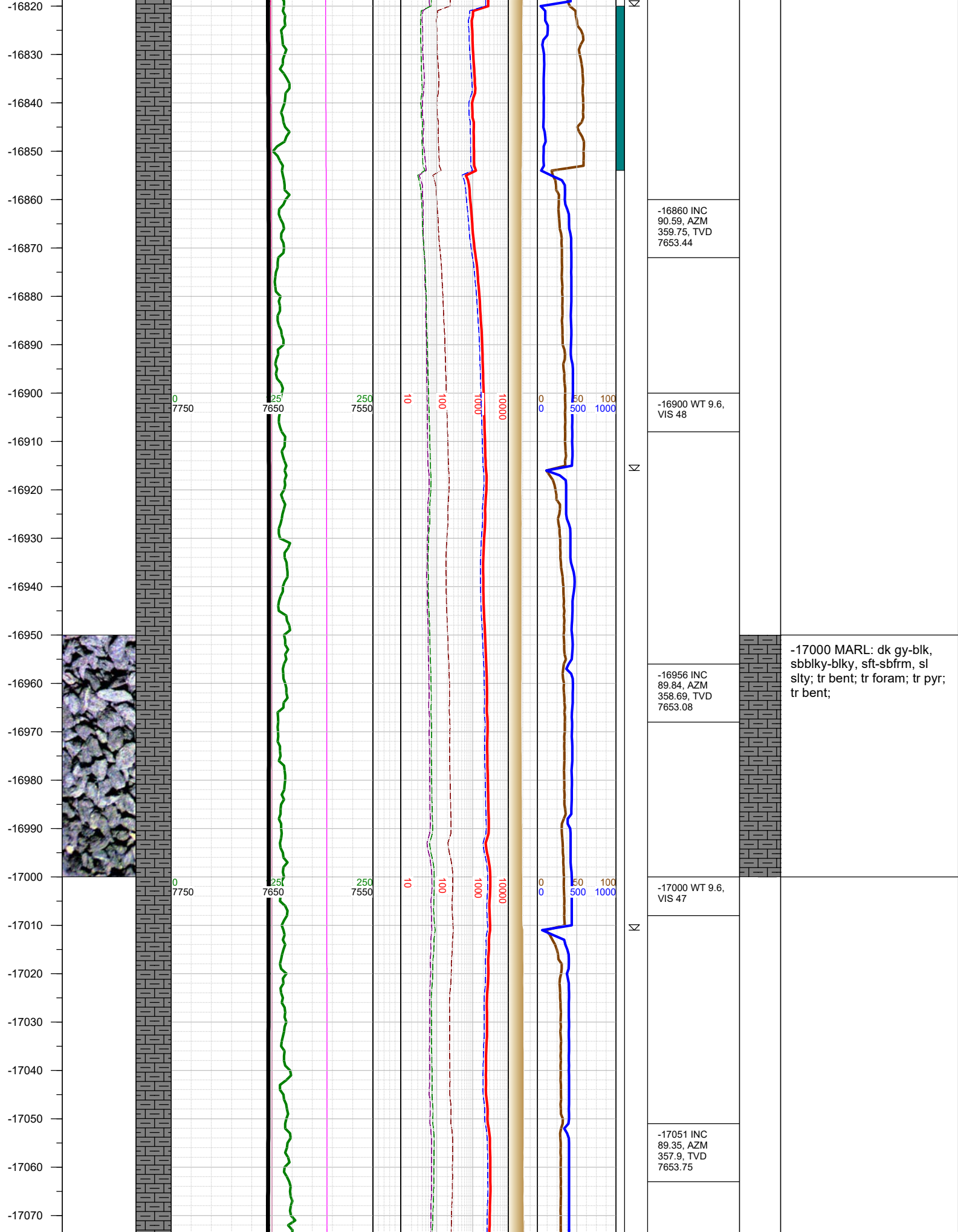
-16000 MARL: dk gy-blk,  
sbbly-blky, sft-sbfrm, slty;  
CHK: med gy-brn, sft-  
sbfrm, sbbly, mot; tr bent;  
tr pyr;

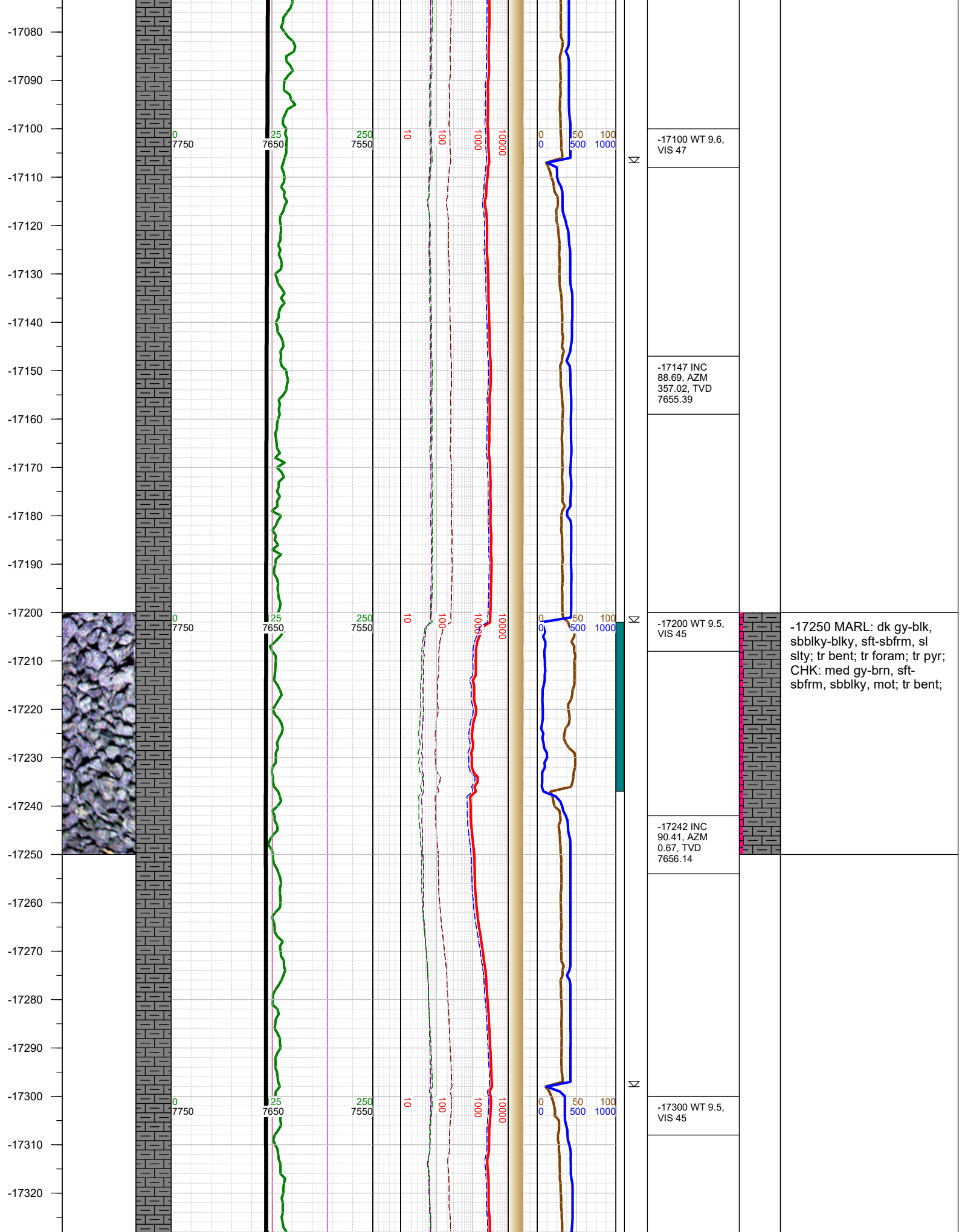




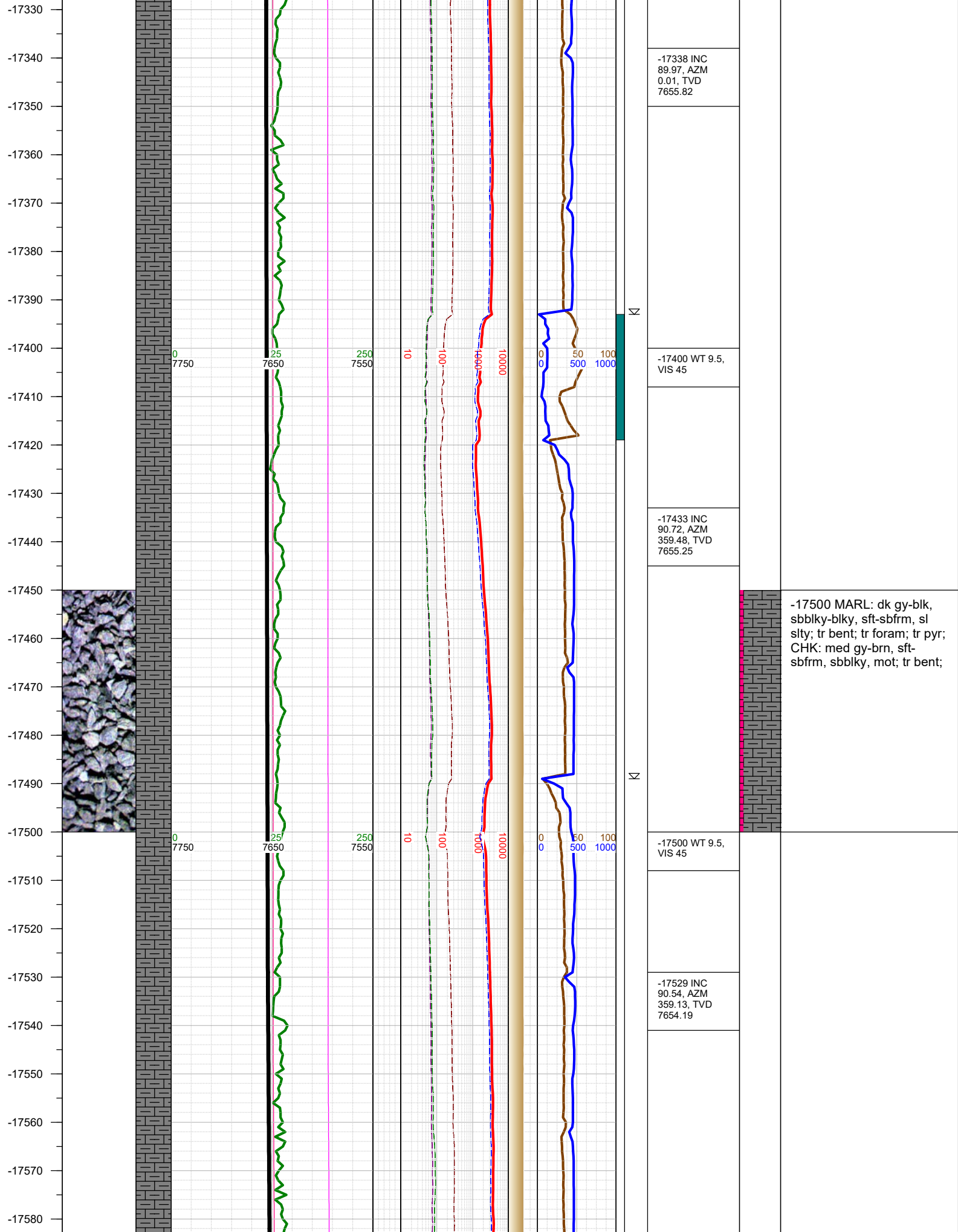


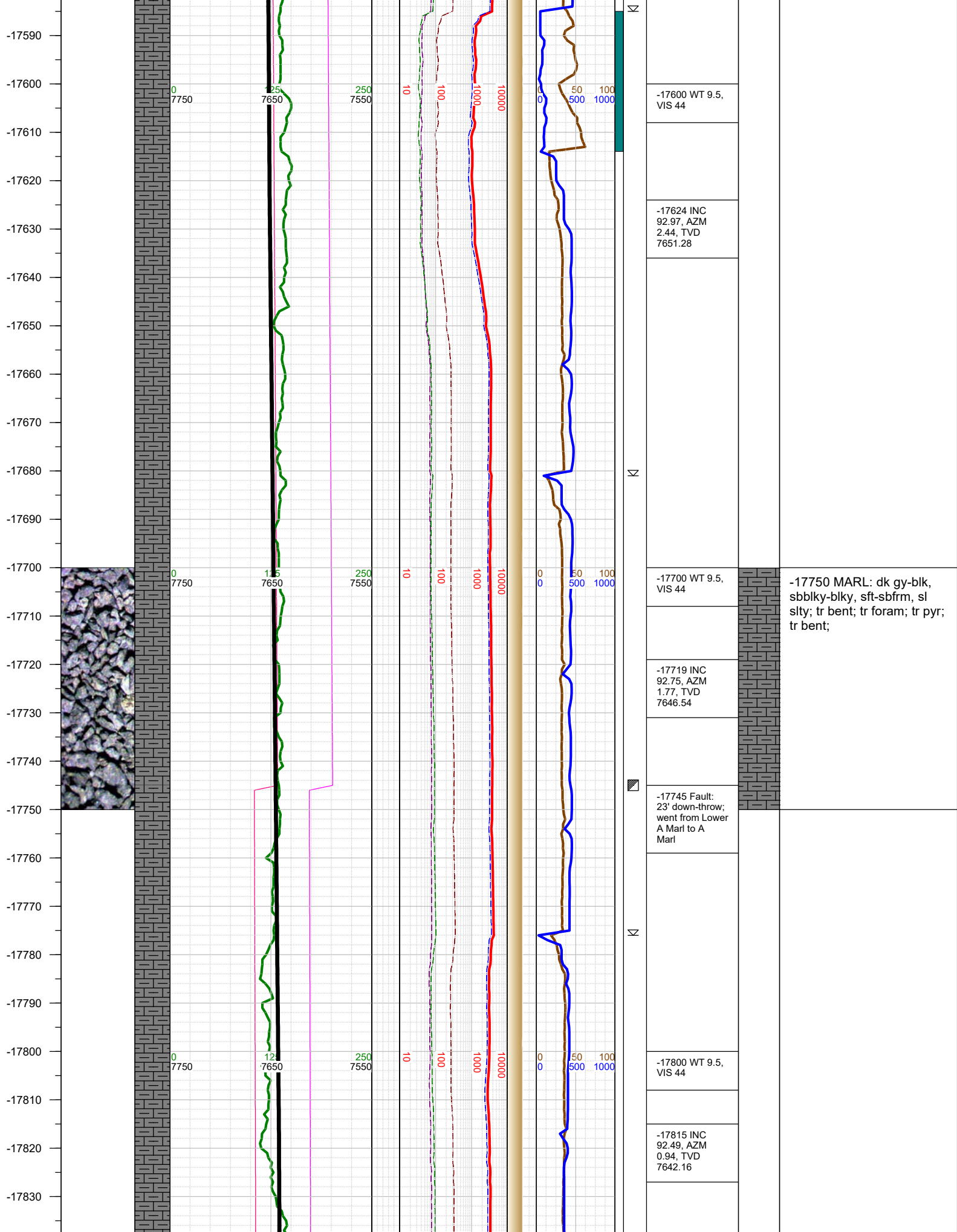


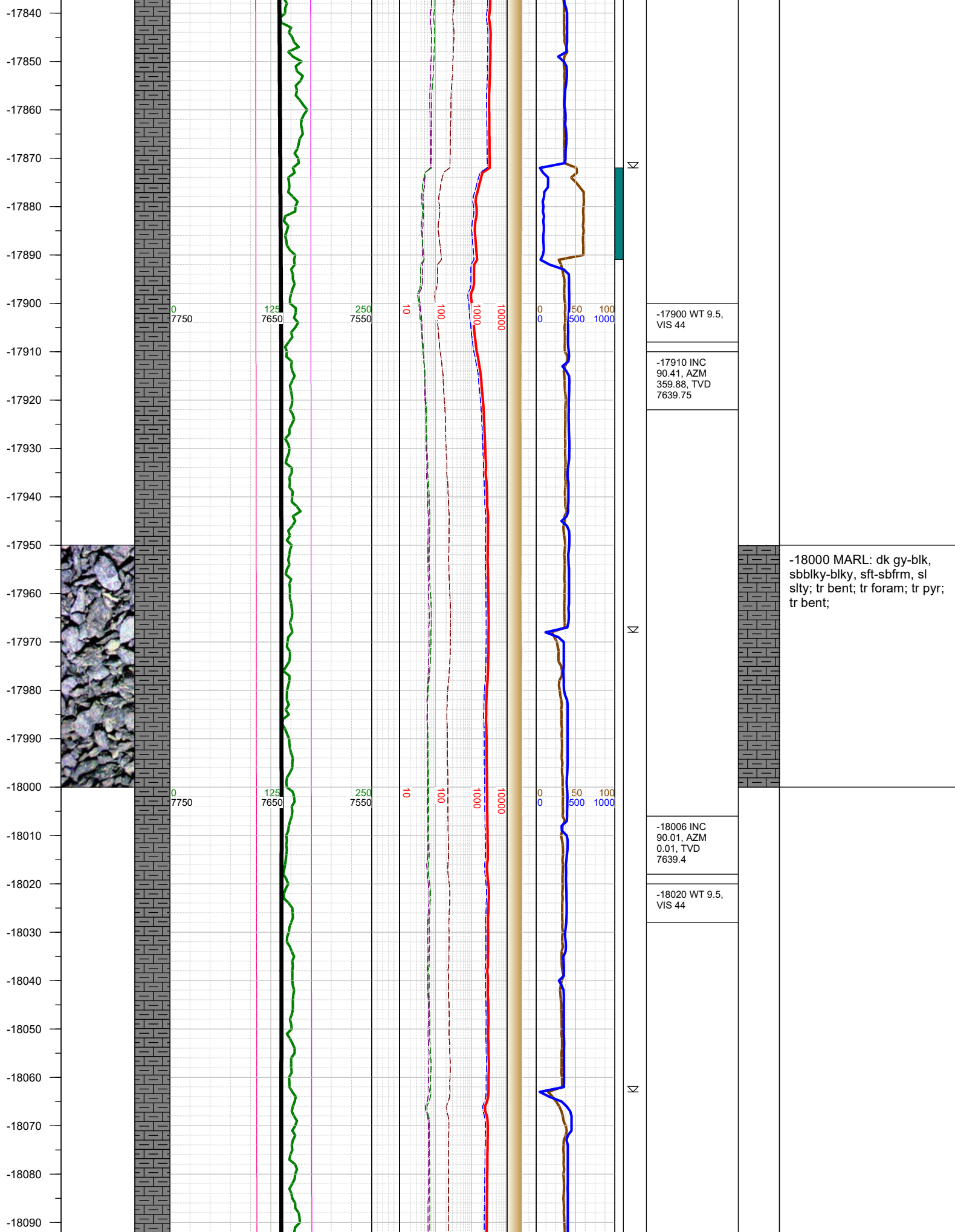




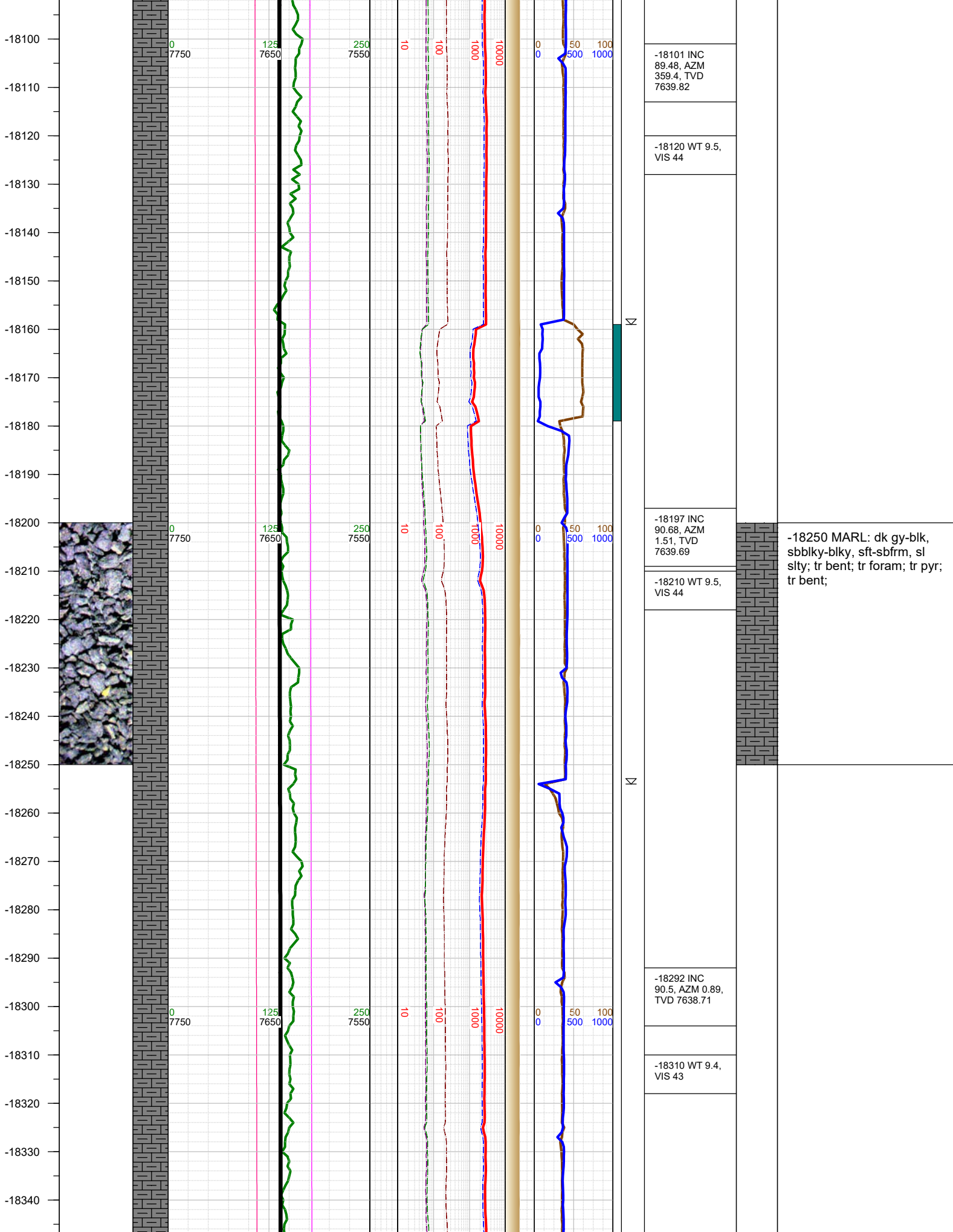


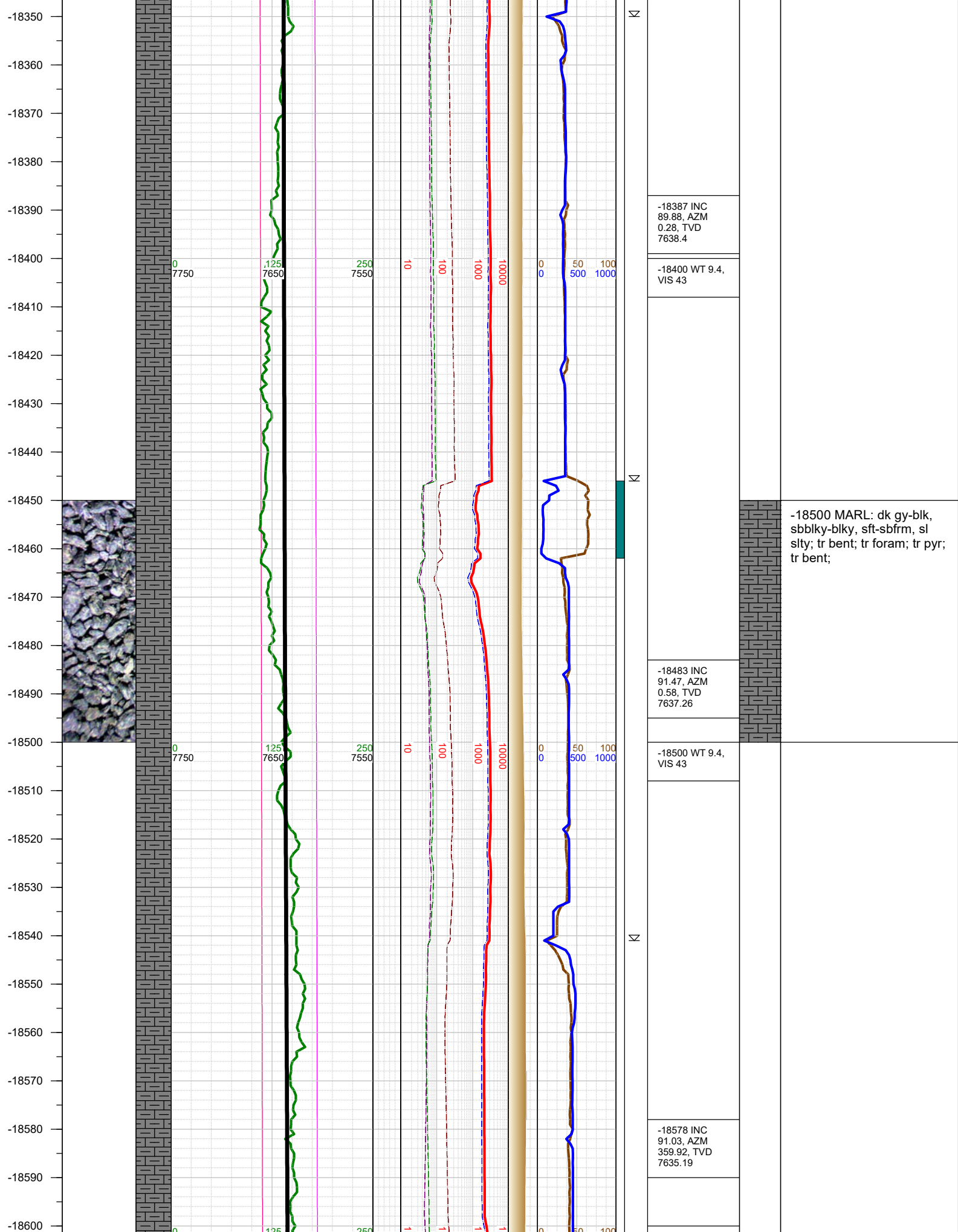


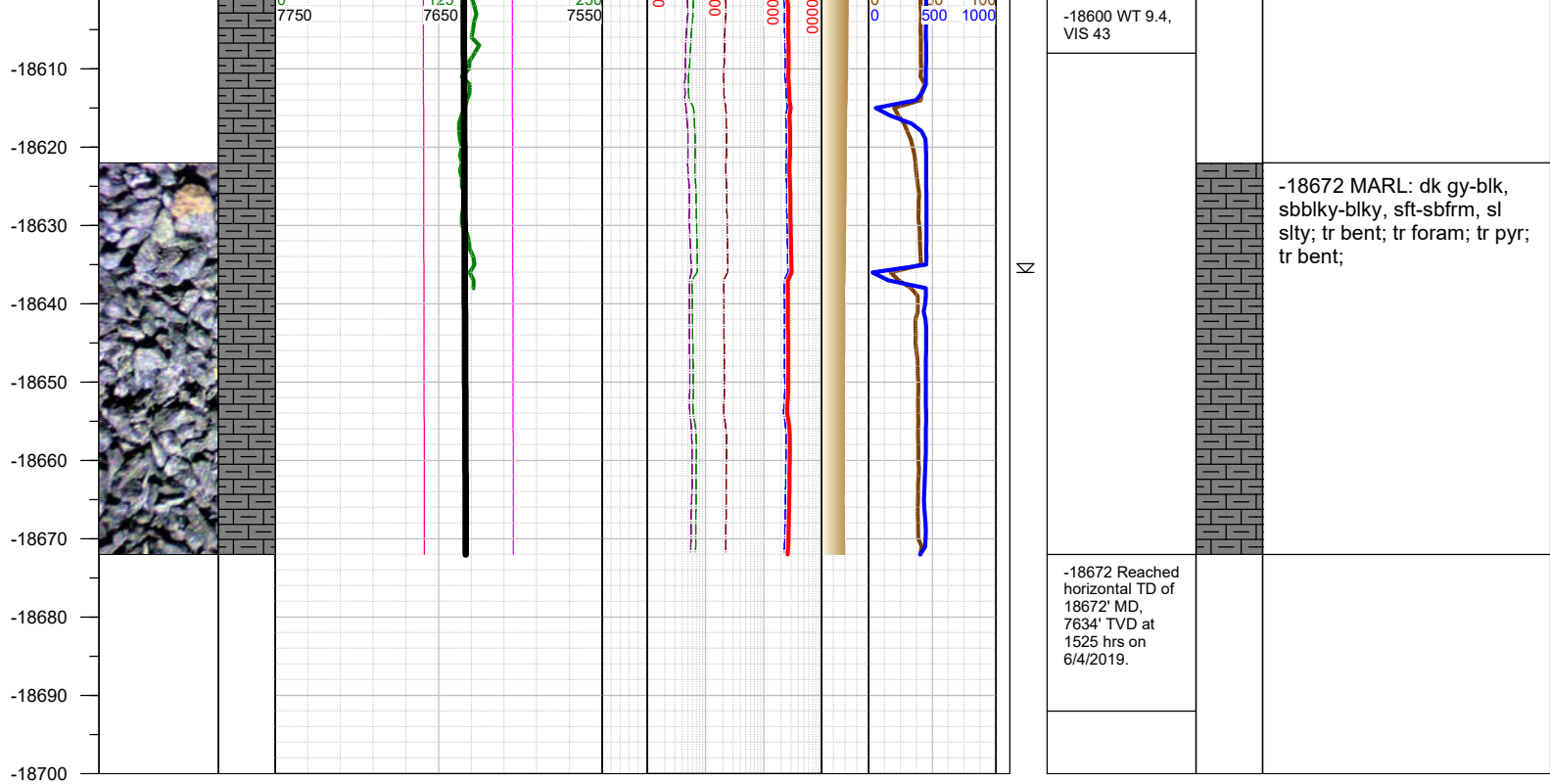












TOTAL DEPTH = 18672'

Thank you for using Earth Science Agency