

OPERATOR: **Extraction Oil & Gas**

WELL NAME: **United B S16-20-16C**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Ensign 769

API #: 05-014-20810

LAT/LONG: 39.985431, -105.000499

SURFACE HOLE: NENE S9-T1S-R68W, 454' FNL, 920' FEL

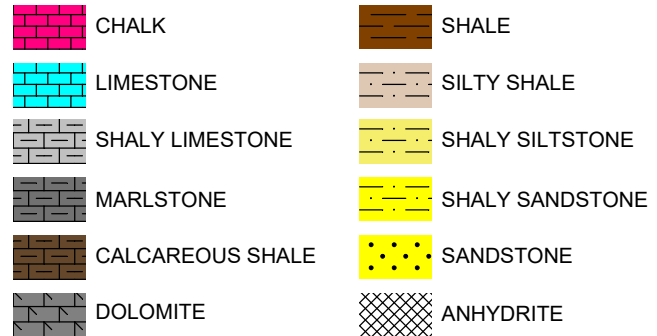
BOTTOM HOLE: S16-T1S-R68W, 460' FSL, 1123' FEL



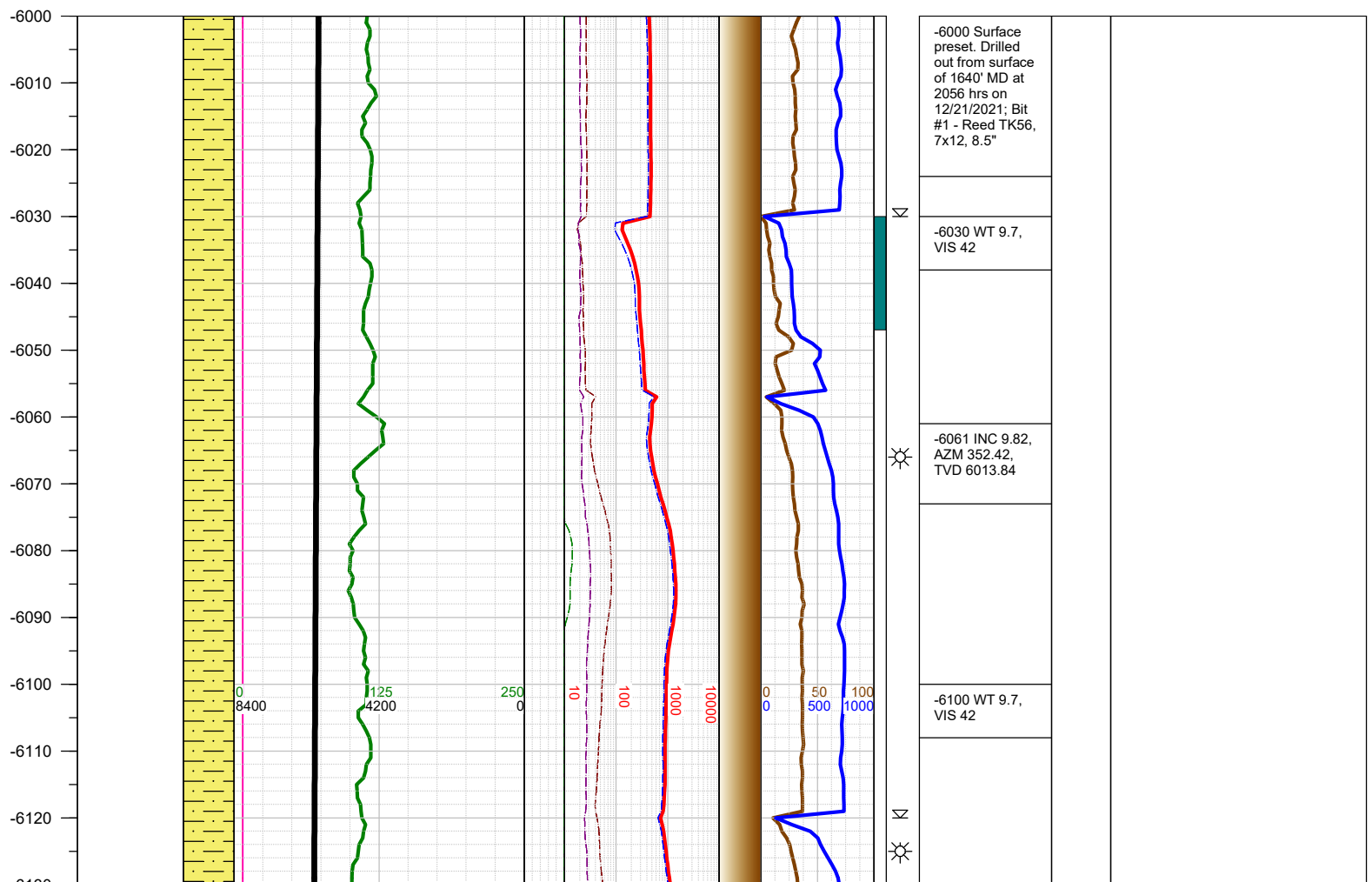
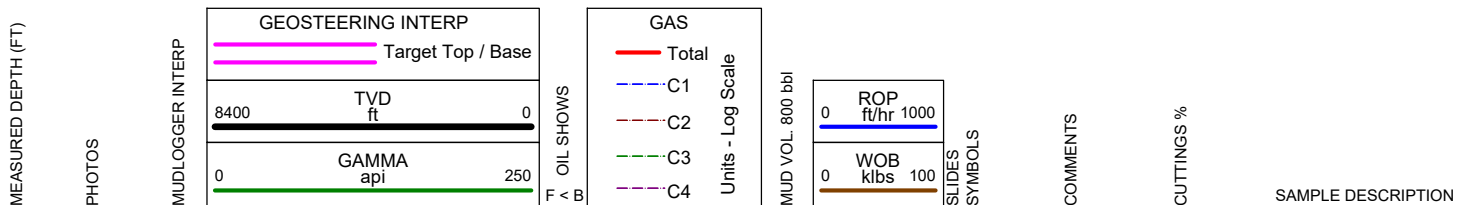
Earth Science Agency, LLC

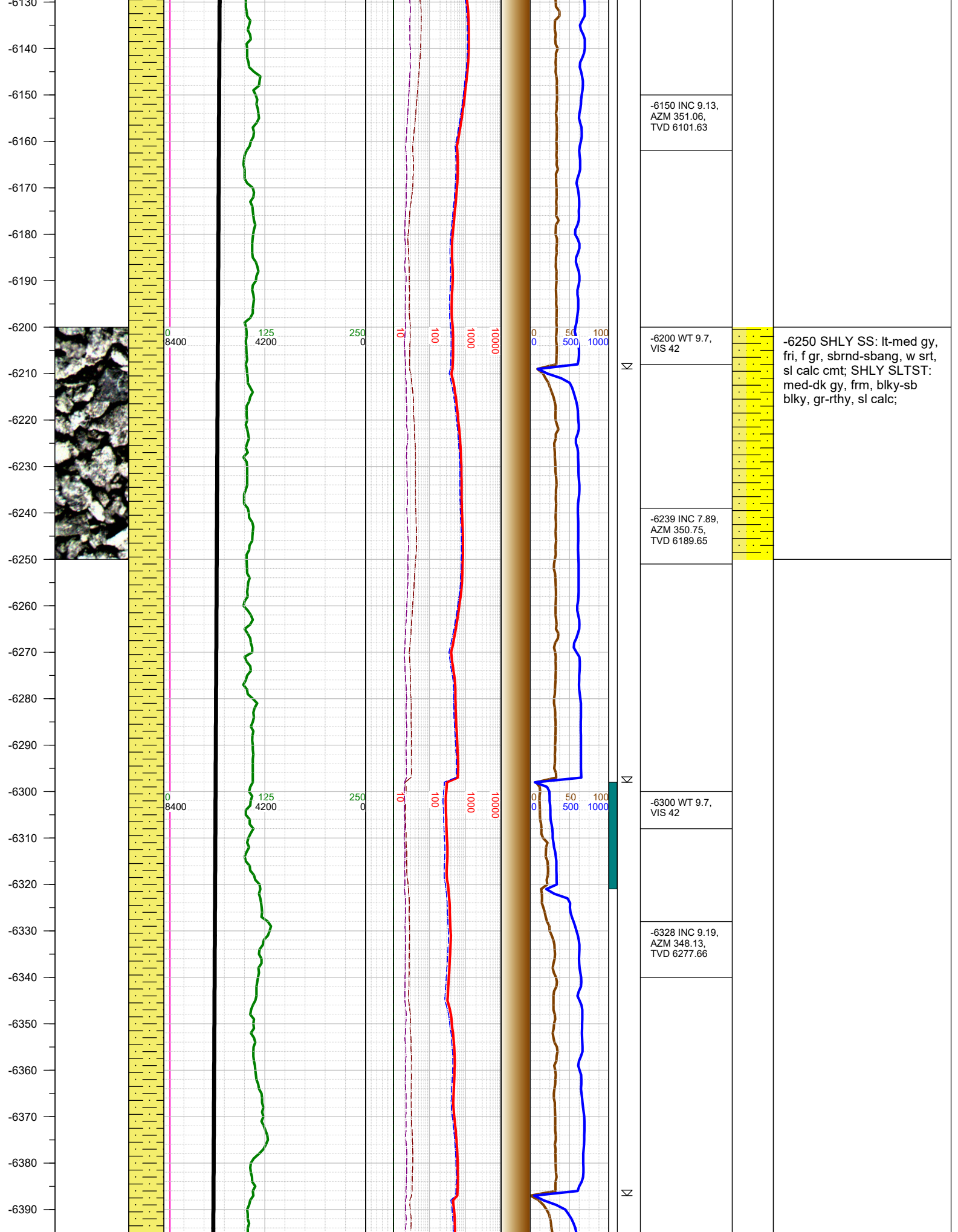
COUNTY: Broomfield
STATE: Colorado
GROUND ELEVATION: 5254'
KELLY BUSHING: 5282'
DRILLING FLUID: OBM
TVD VS. MD: 8225' / 18444'
LOGGING START DATE: December 22, 2021
TD DATE: December 27, 2021
DEPTHS LOGGED: 6000' - 18444'
DATES LOGGED: December 22, 2021 - December 27, 2021
GEOLOGISTS: Scott Snoy, Ross Apodaca
SCALE: 5" = 100'

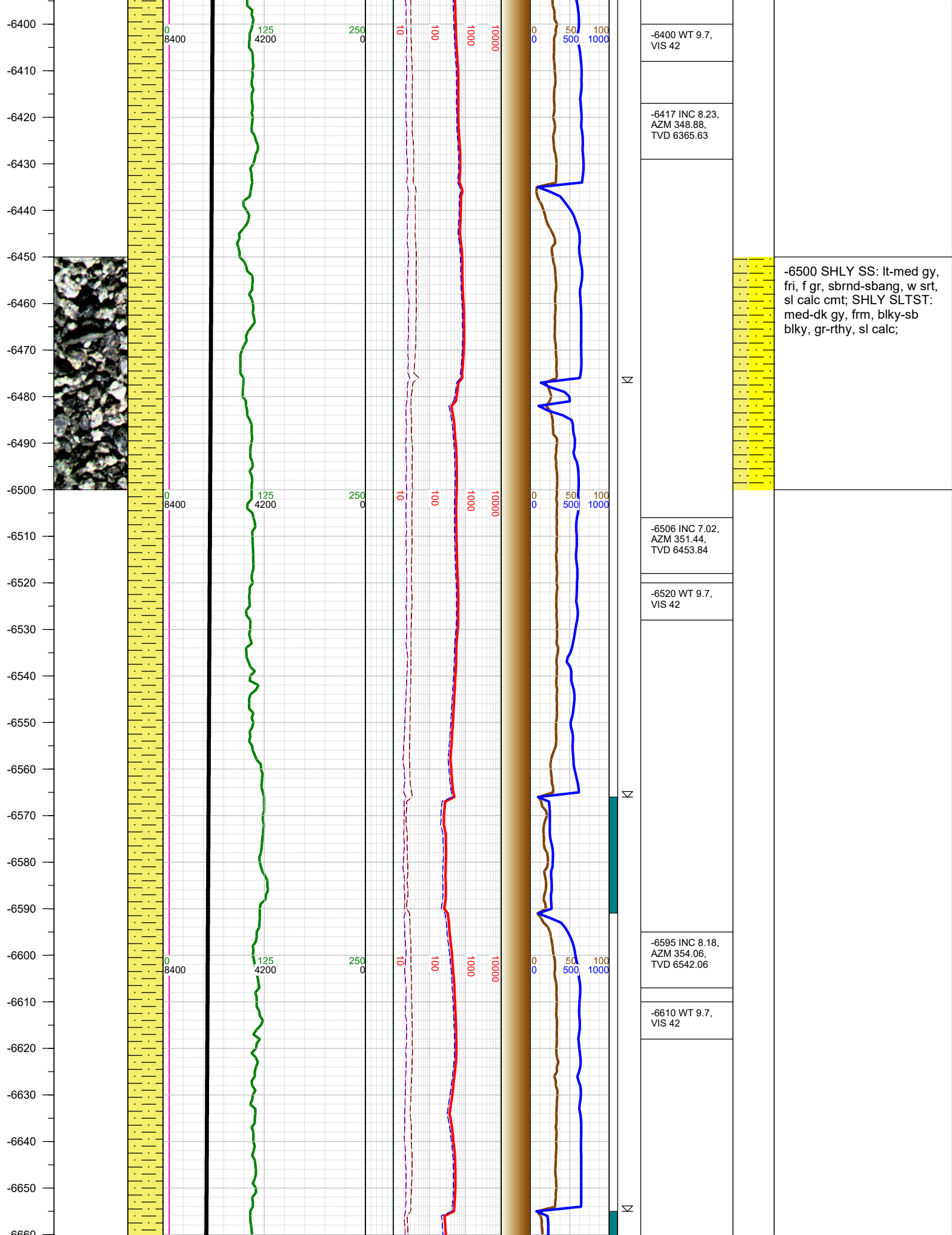
LEGEND

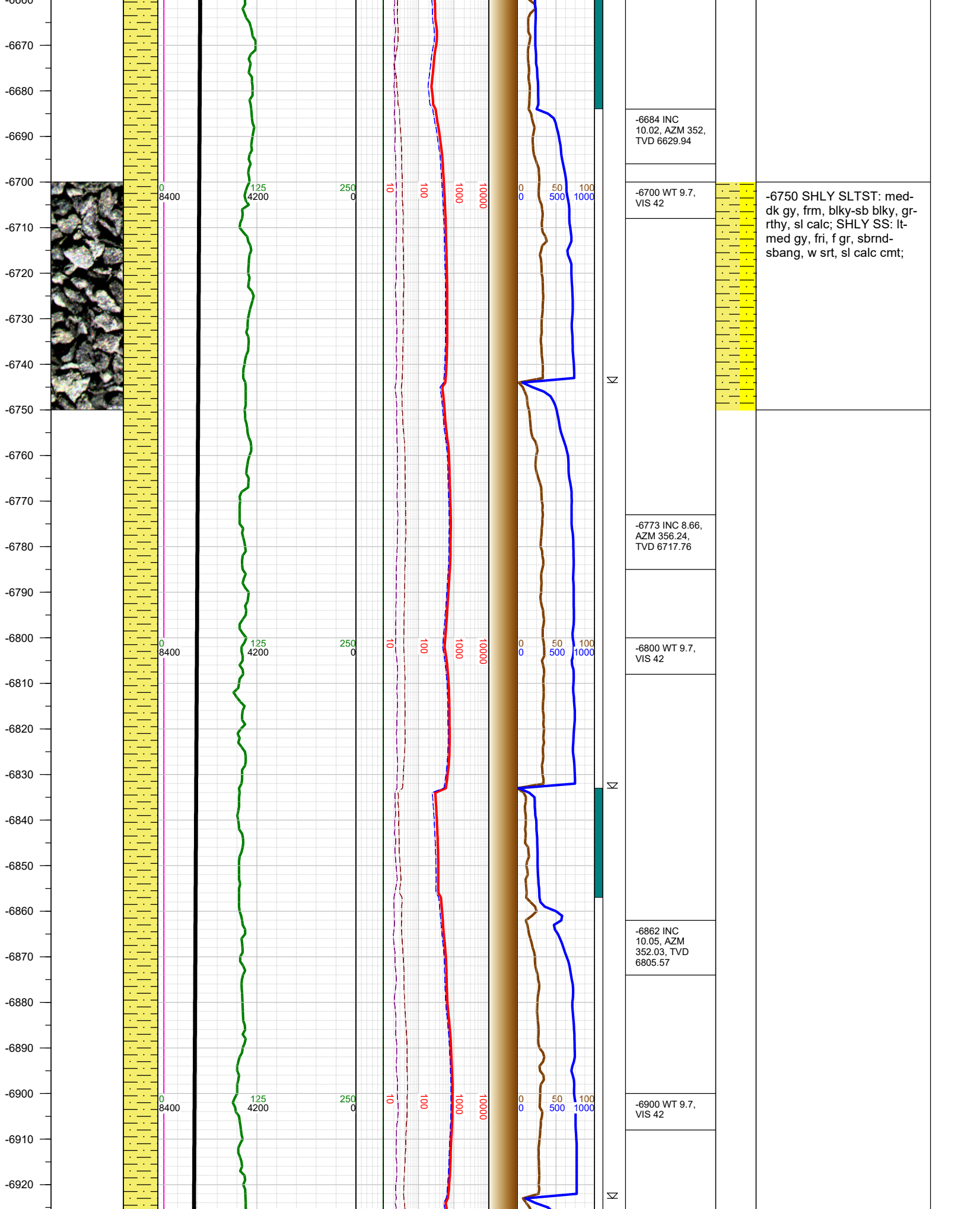


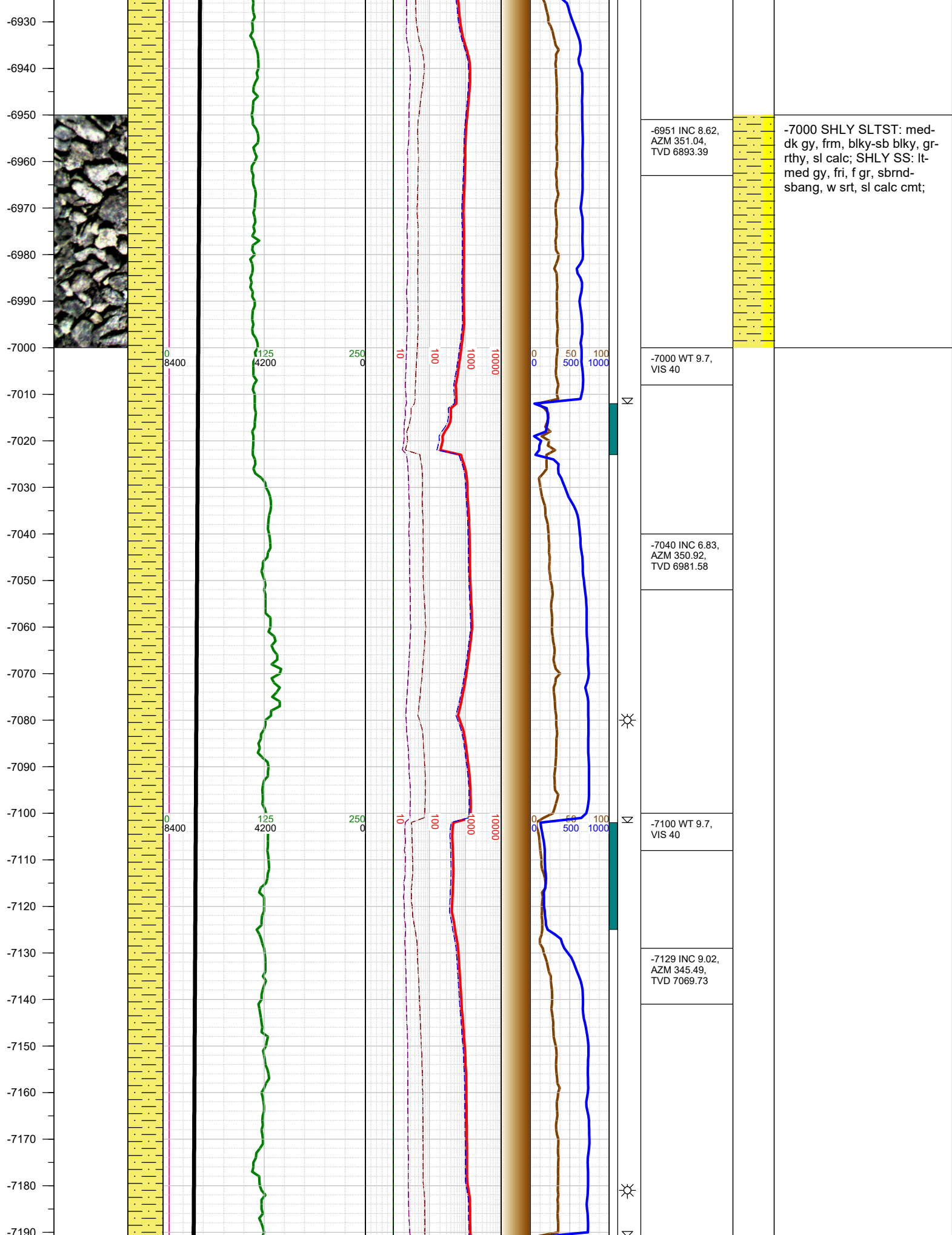
FORMATION \approx CONNECTION Δ MIDNIGHT NEW BIT GAS SHOW FAULT

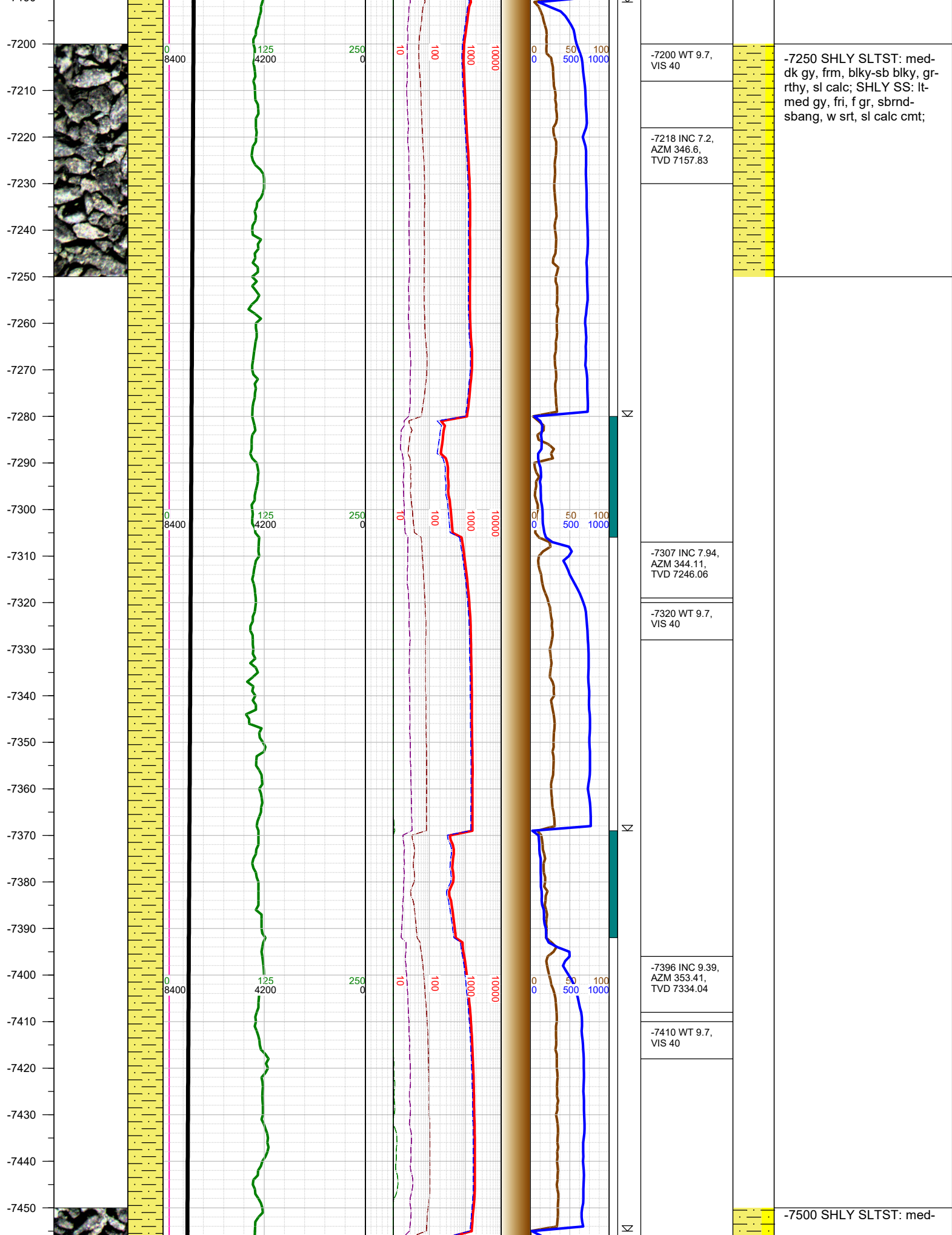


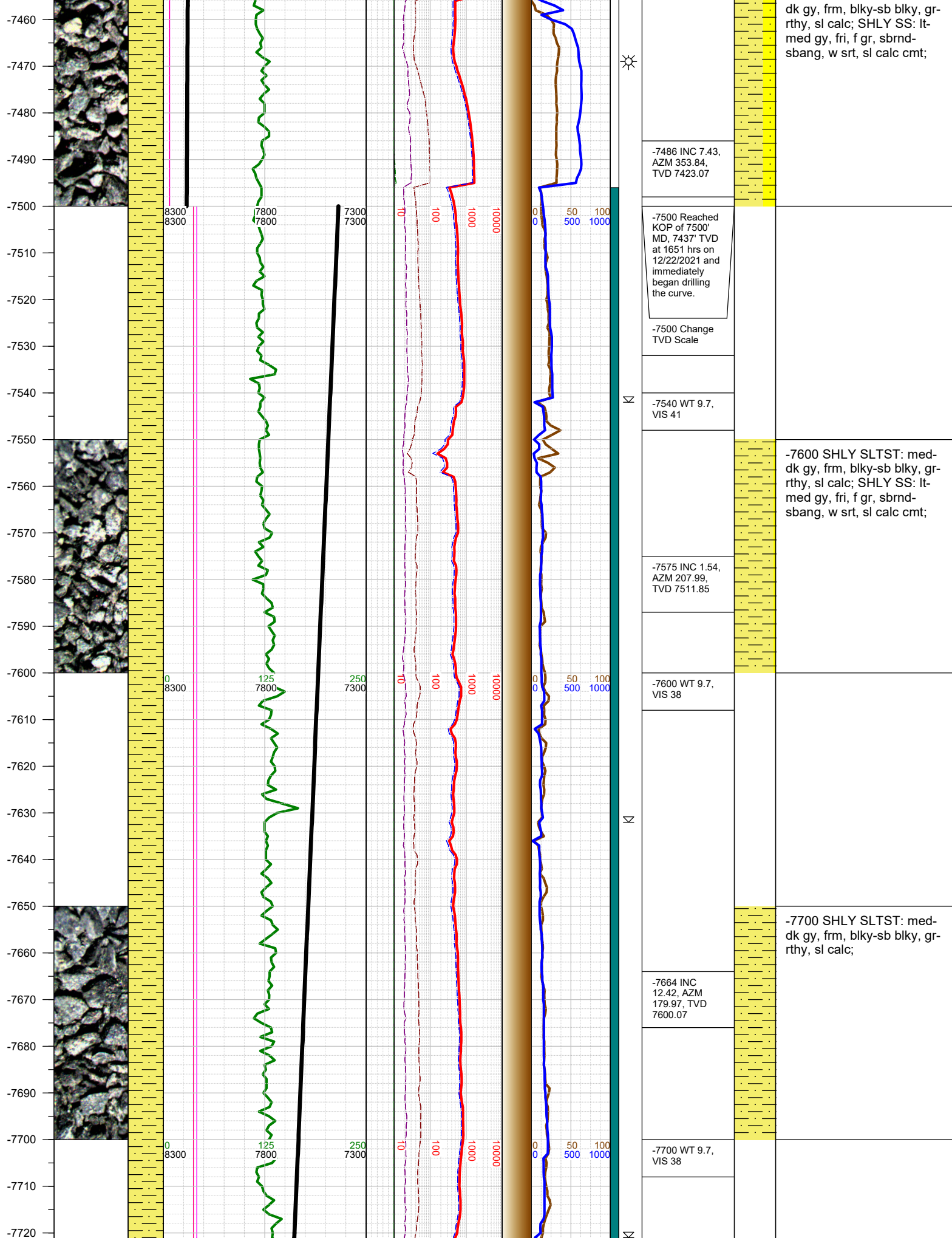


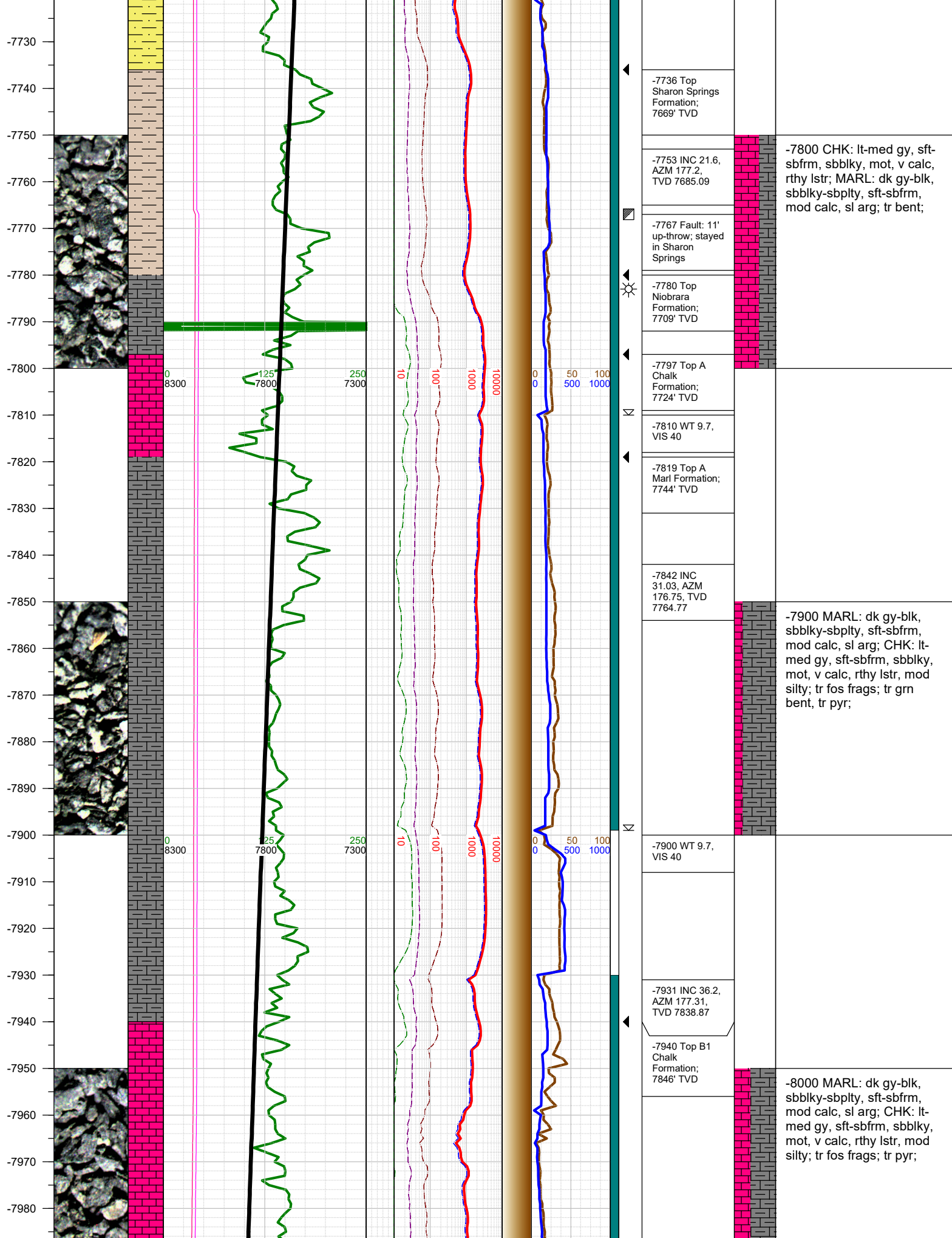


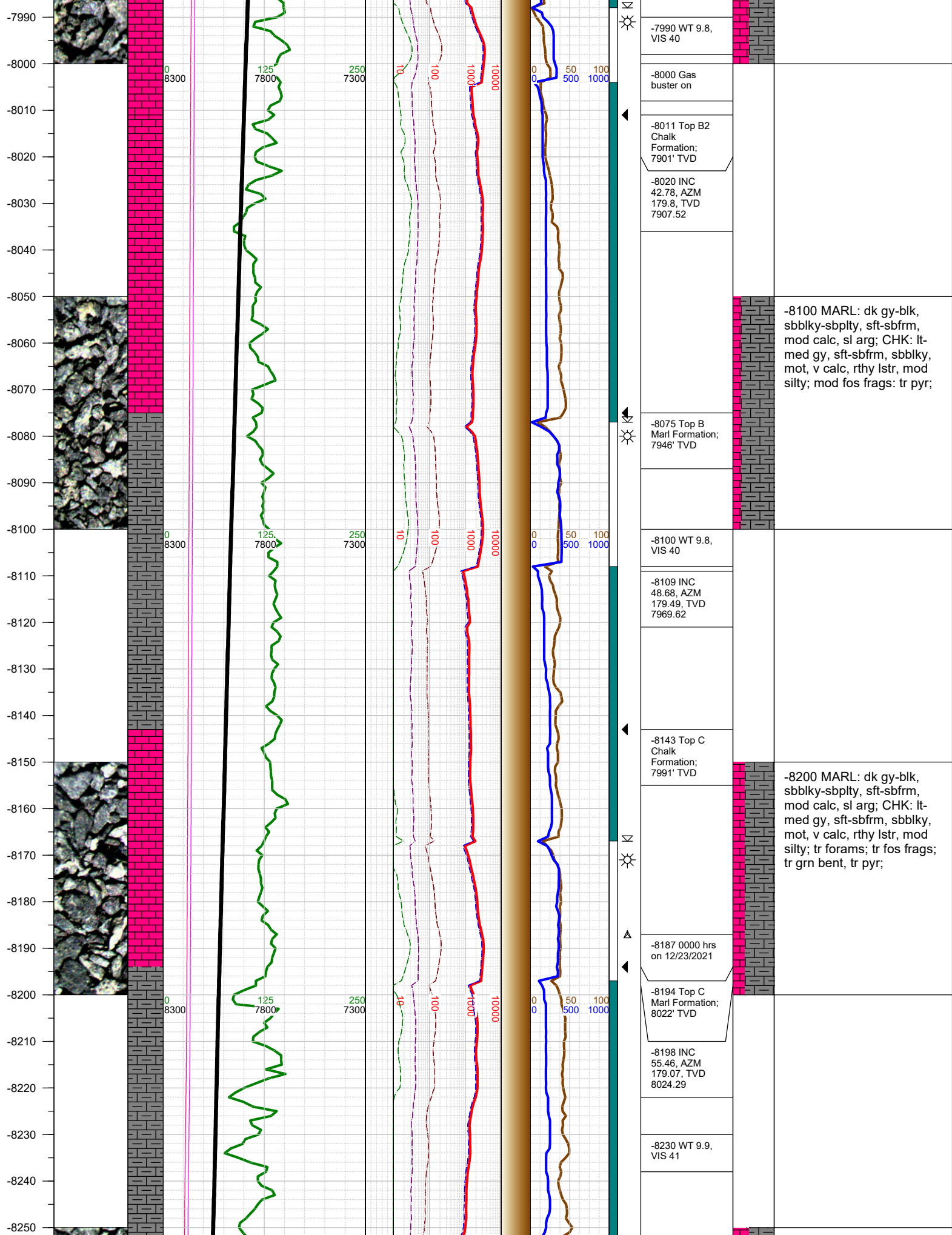


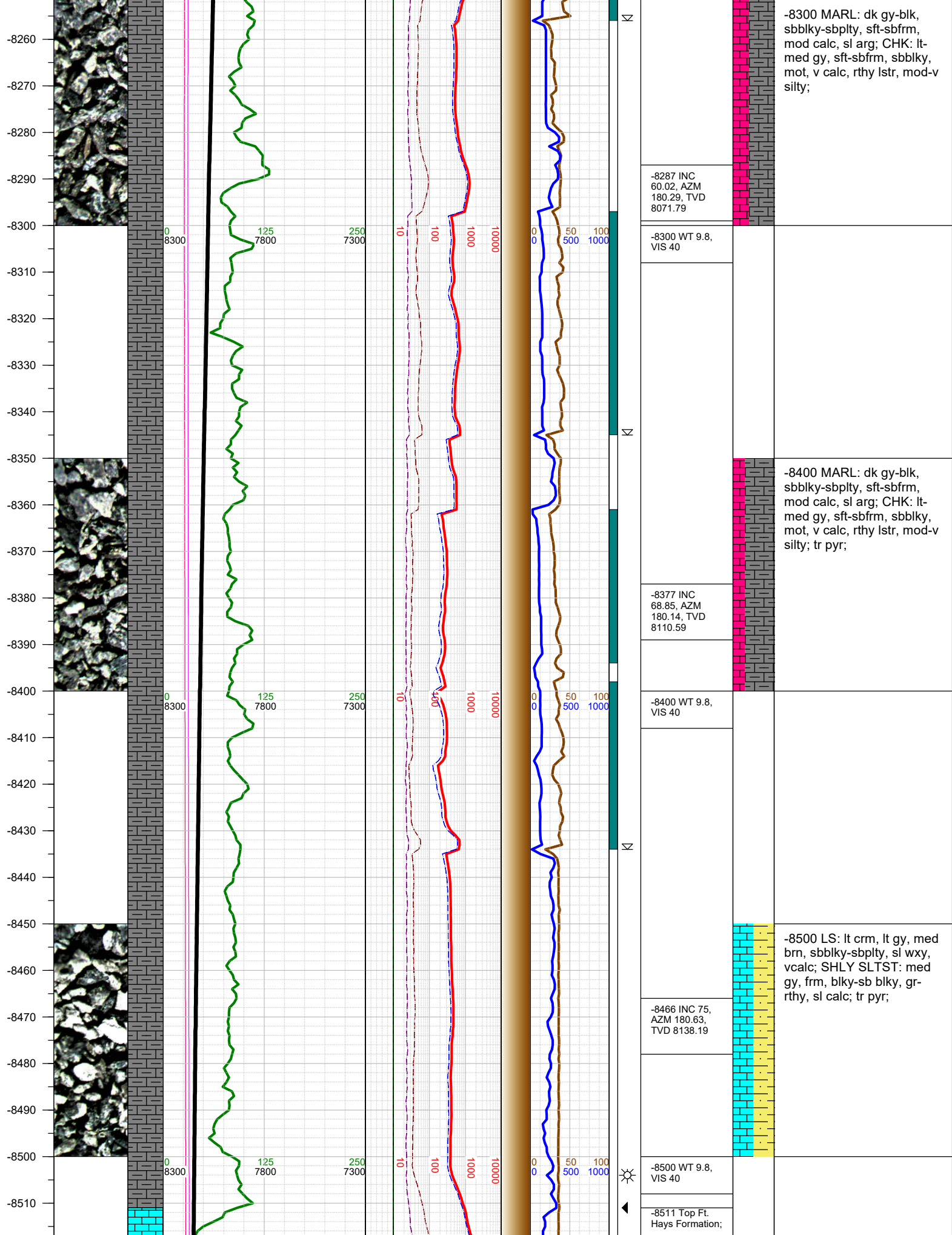


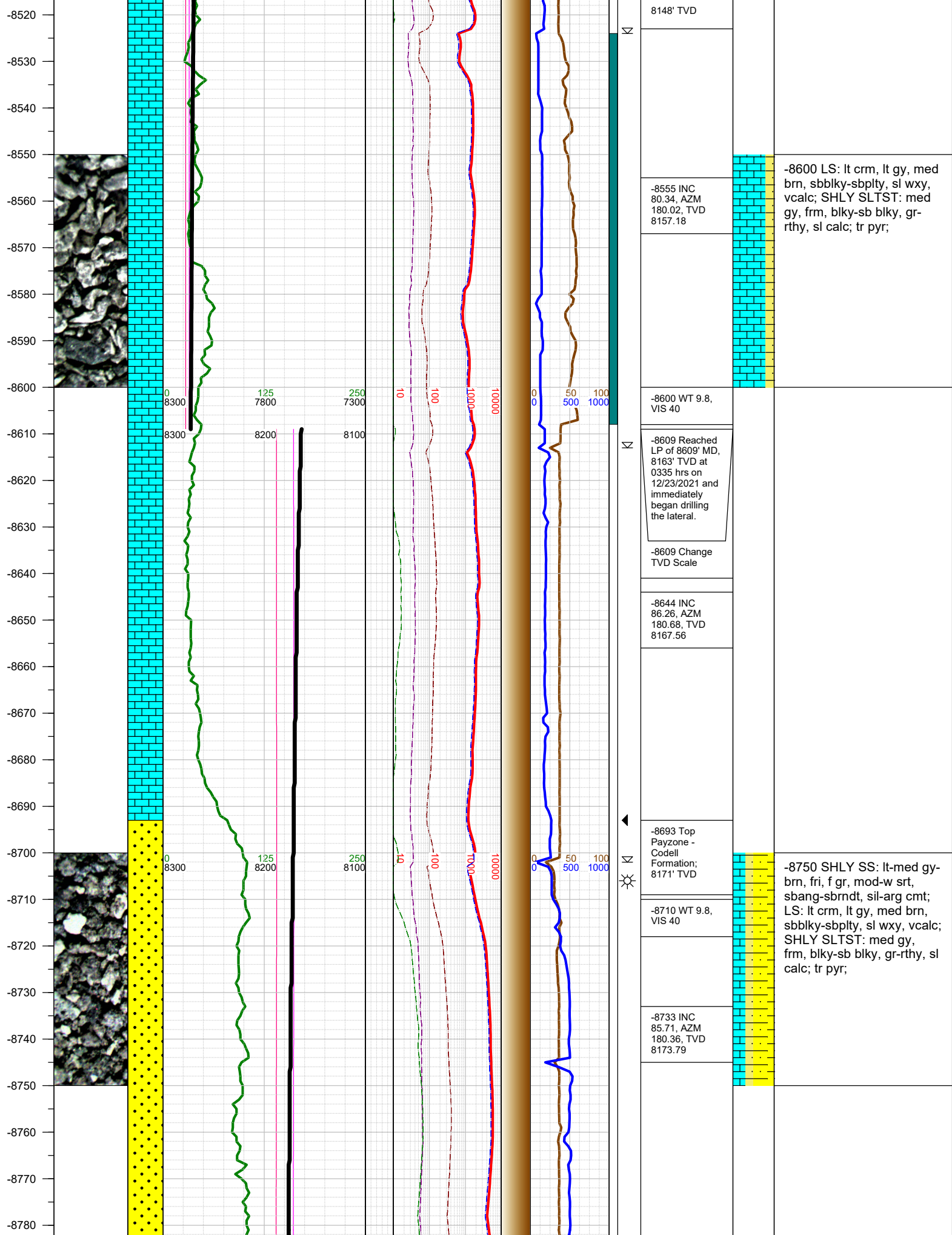


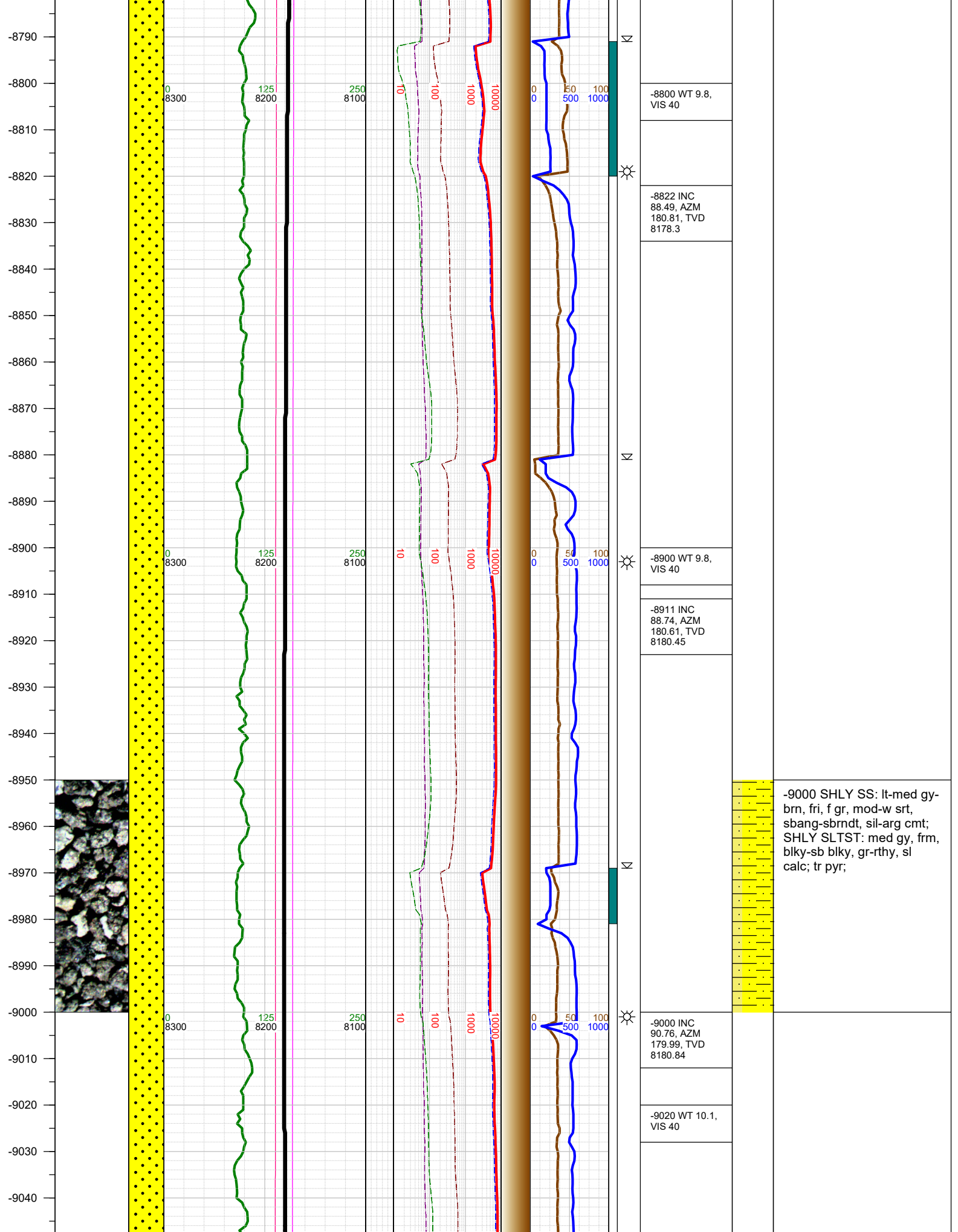


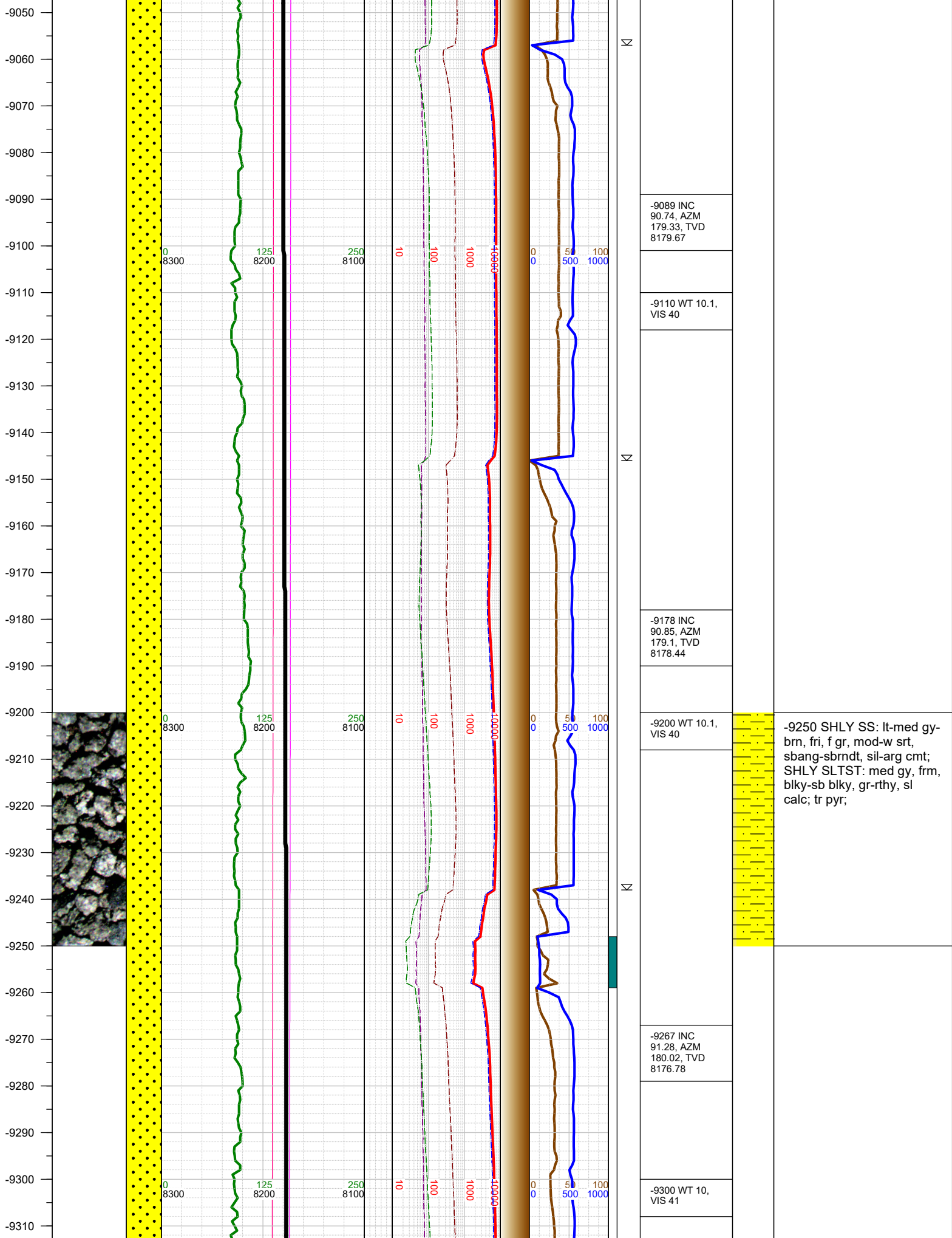


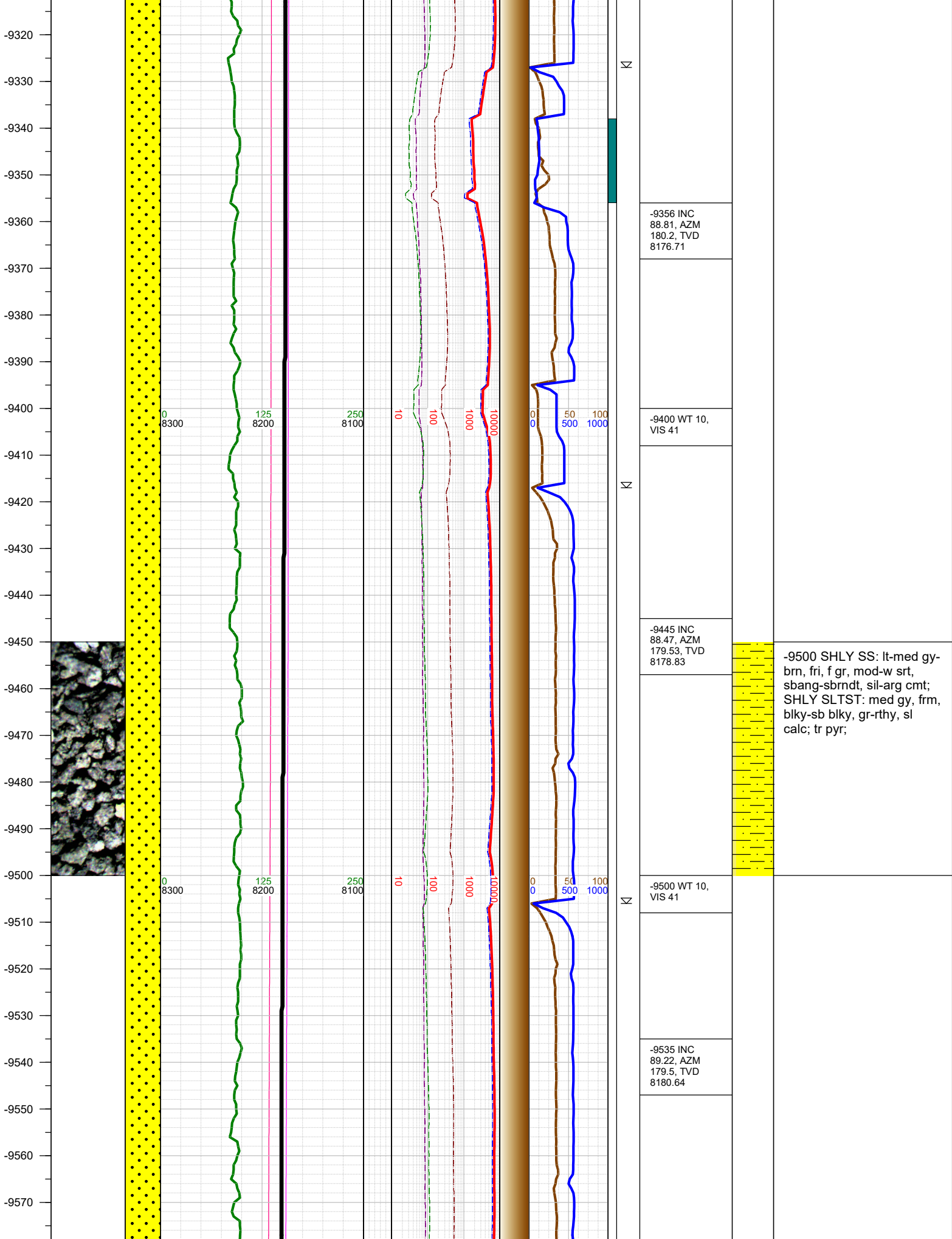


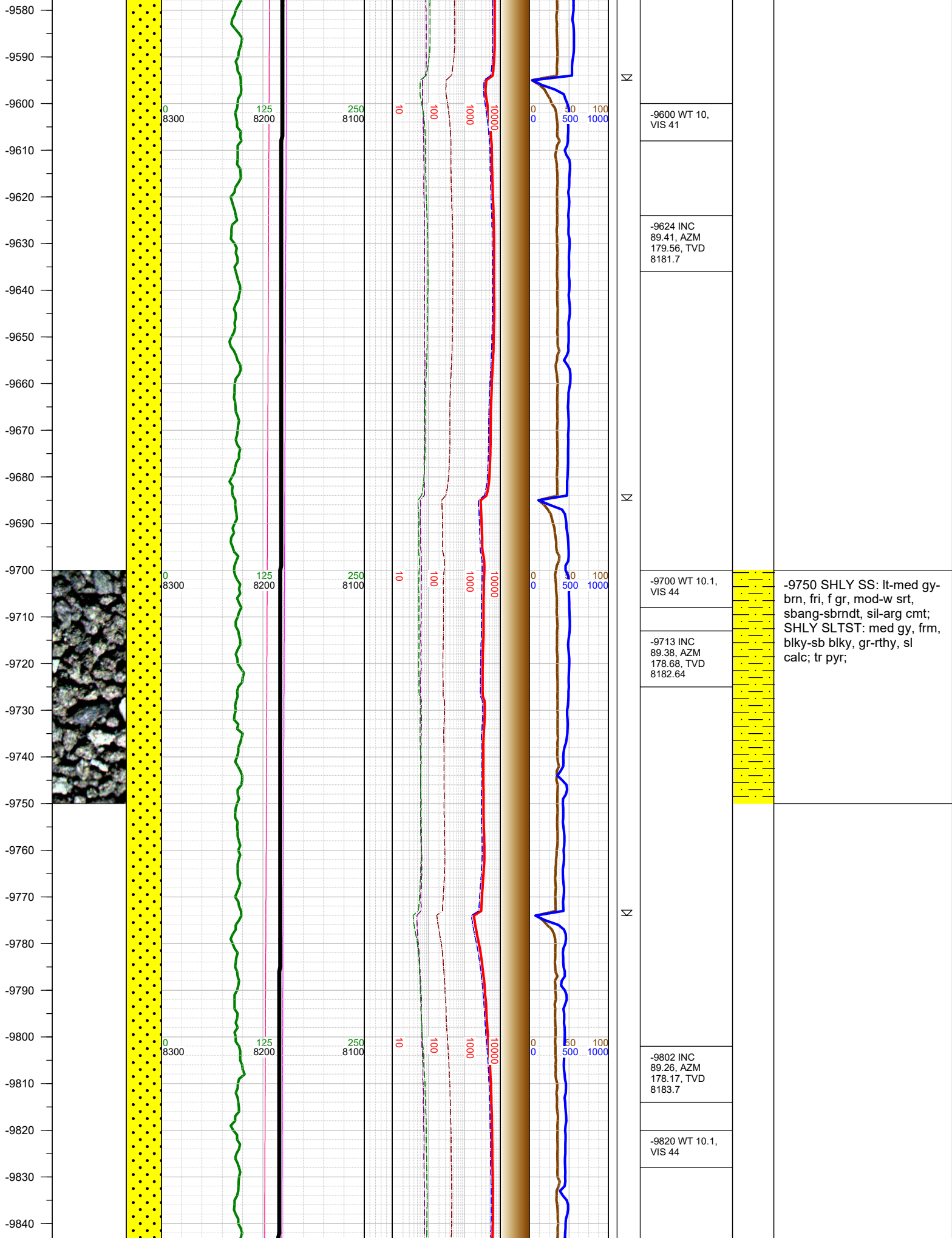


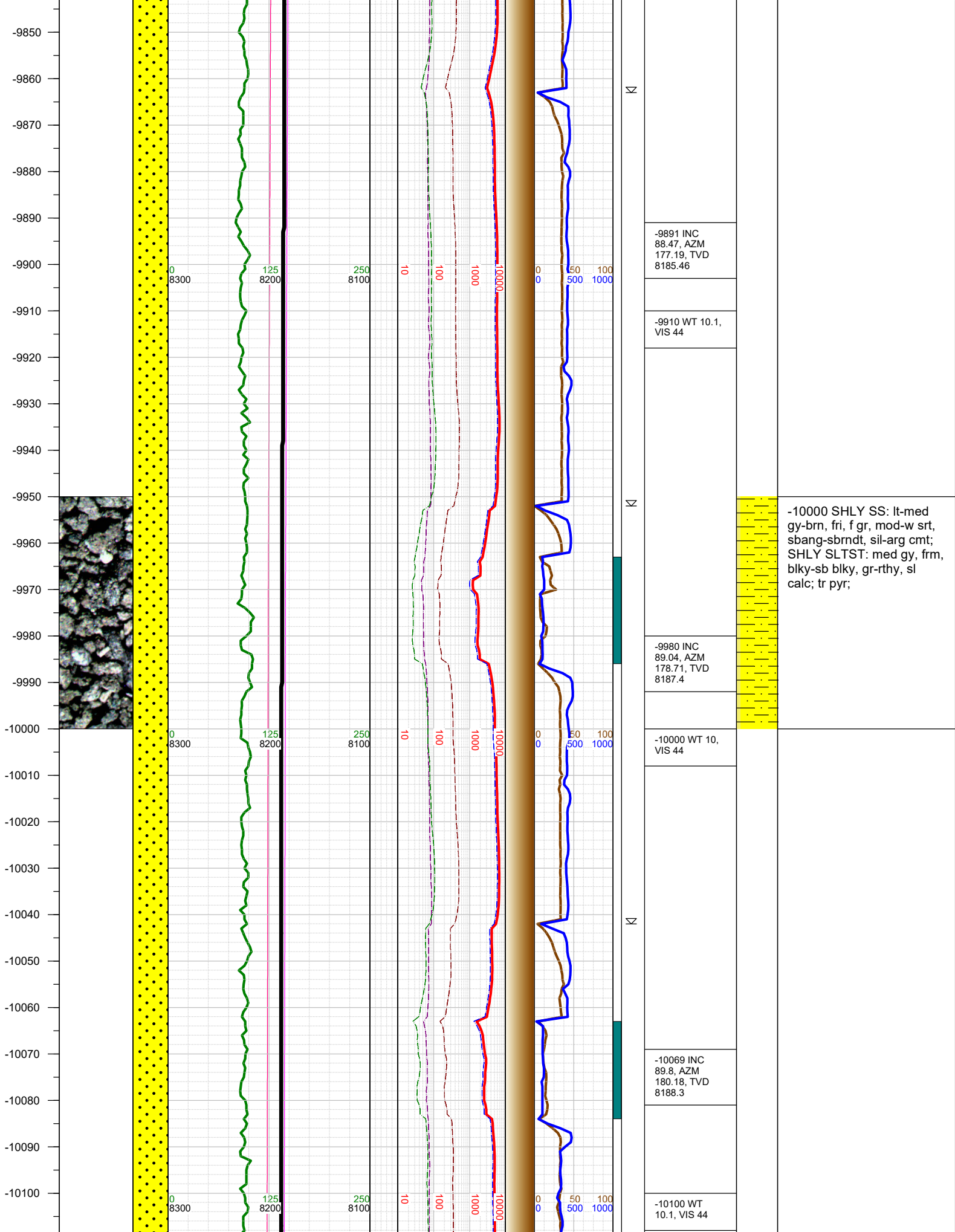


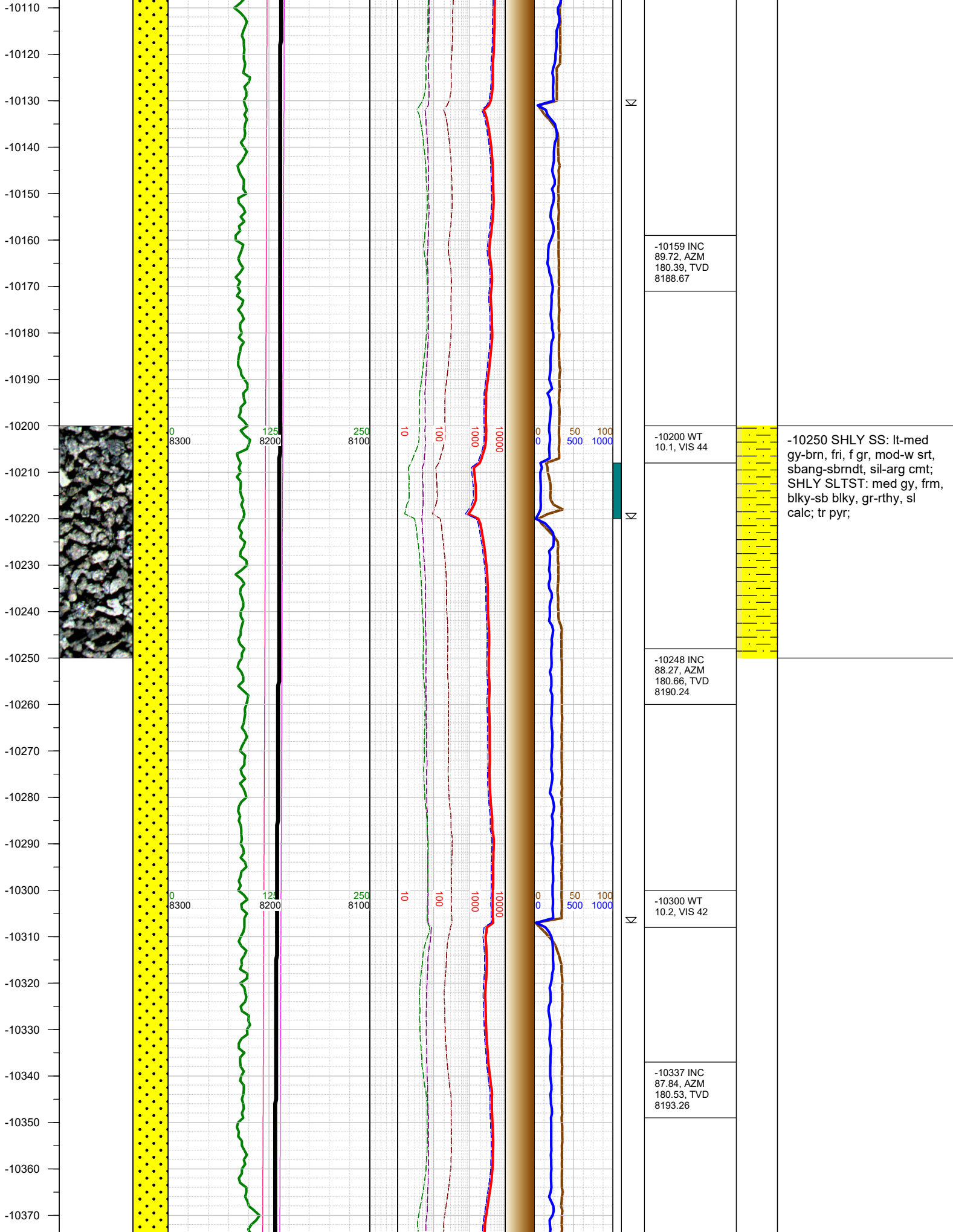




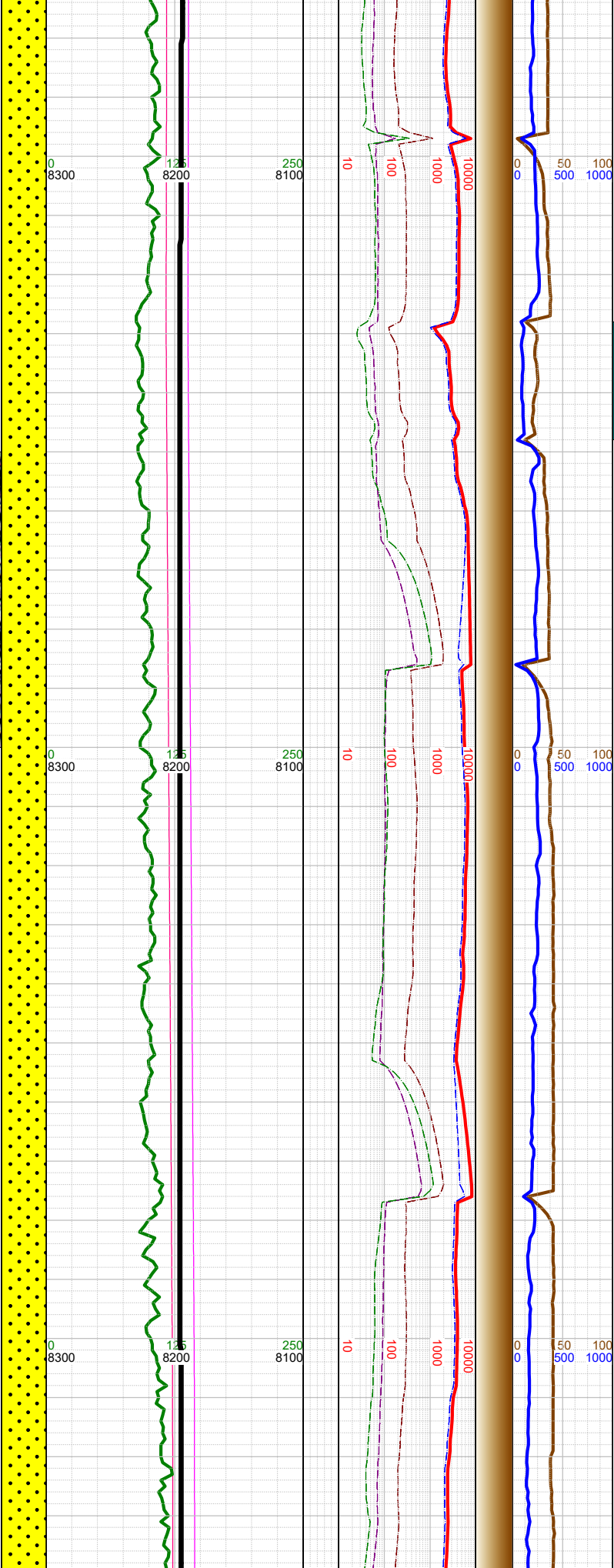
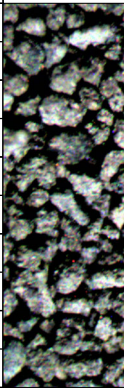




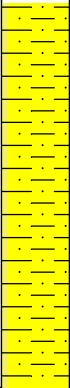




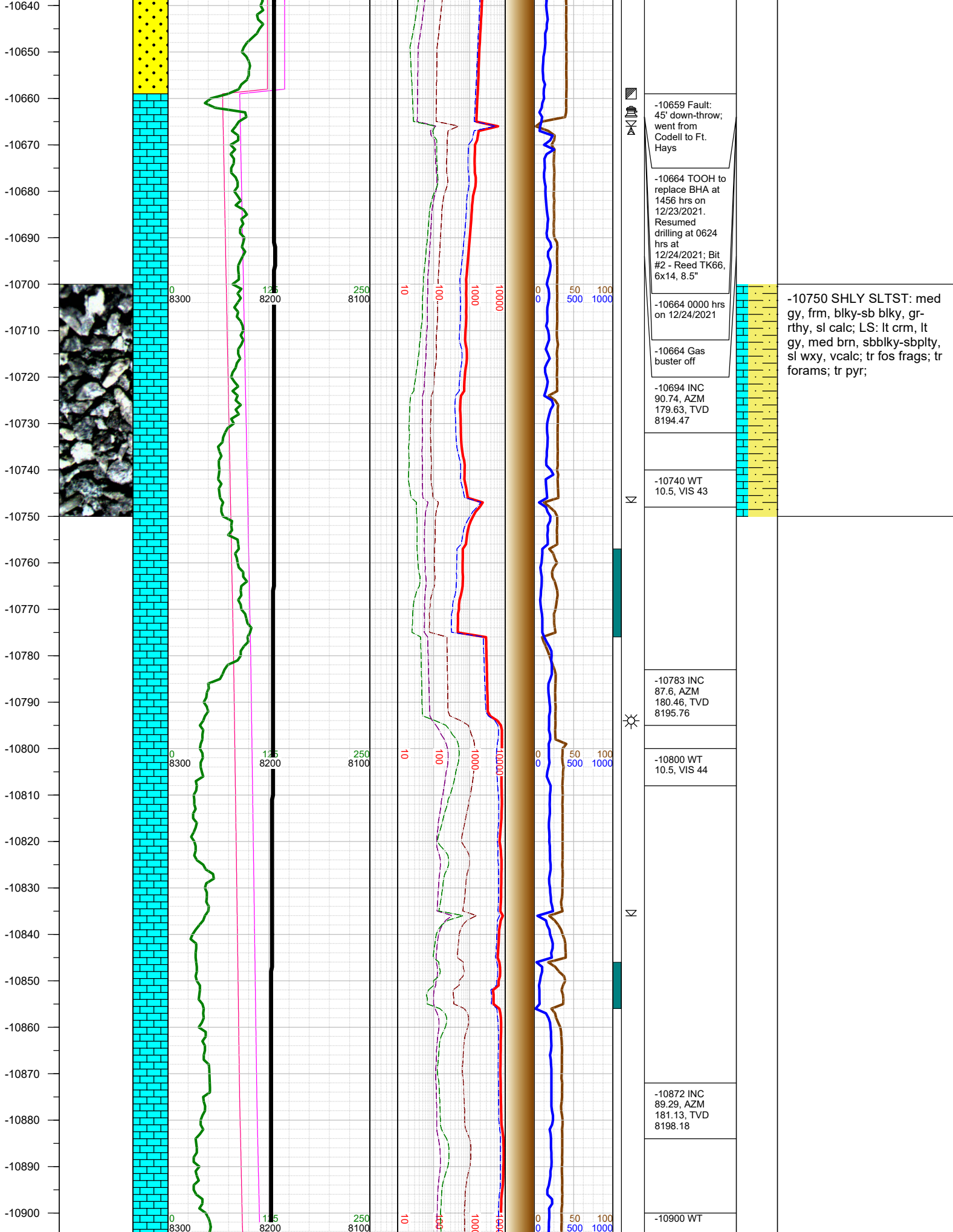
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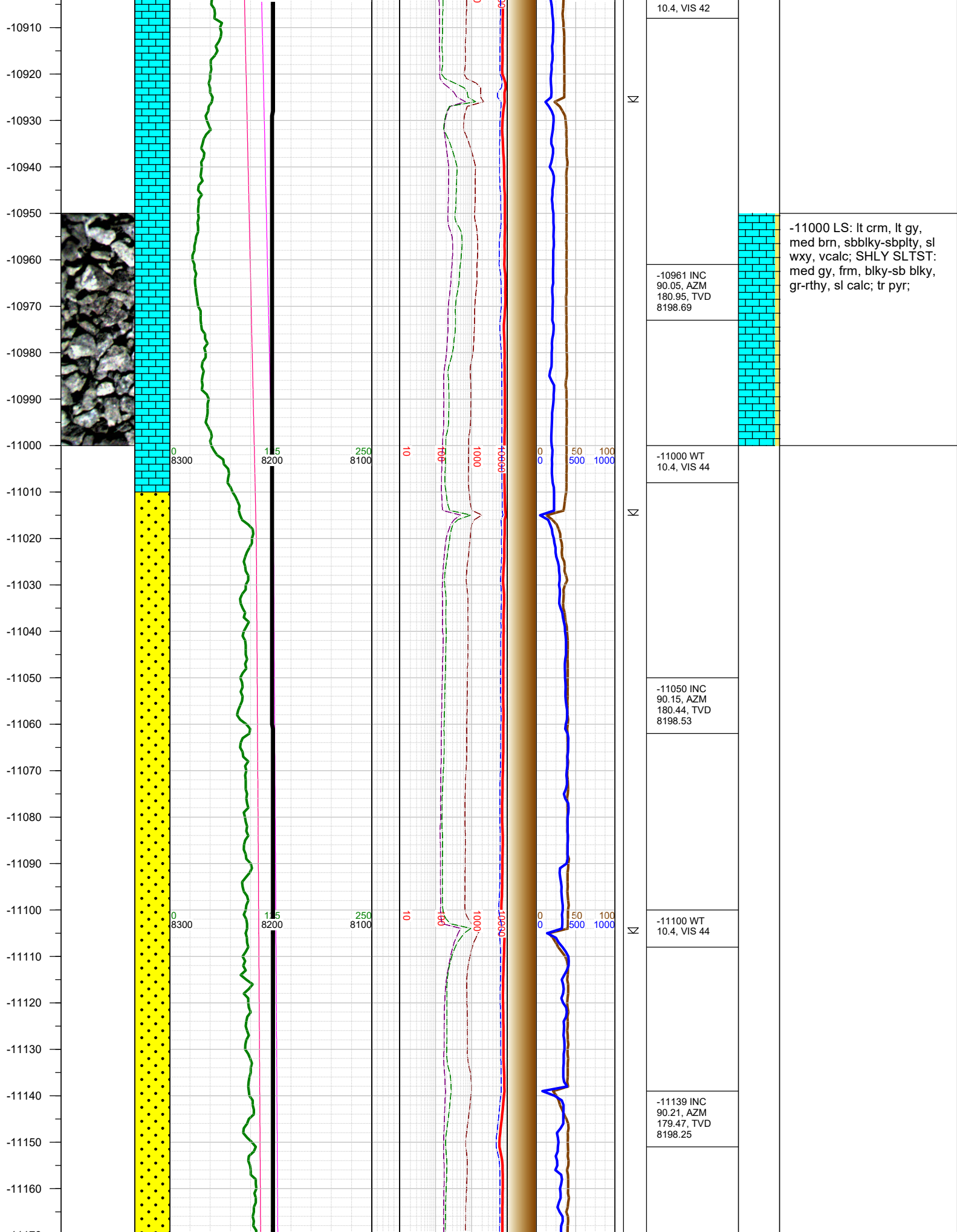
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N	-10426 INC 88.86, AZM 180.15, TVD 8195.82
N	-10500 WT 10.2, VIS 42
N	-10515 INC 90.52, AZM 179.95, TVD 8196.3
N	-10604 INC 90.54, AZM 180.05, TVD 8195.48
N	-10620 WT 10.3, VIS 43

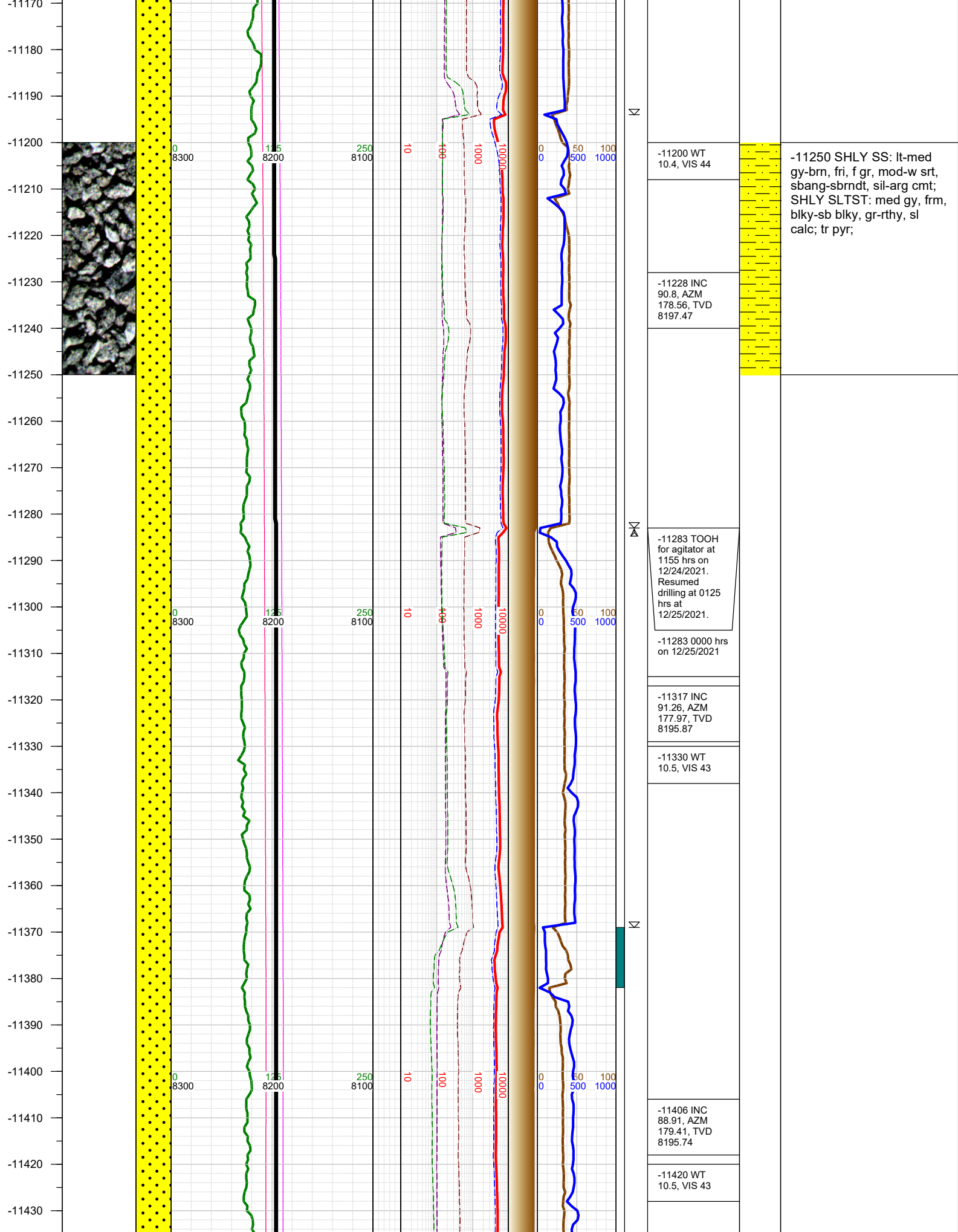


-10500 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SHLY SLTST: med gy, frm,
blky-sb blky, gr-rthy, sl
calc; tr pyr;

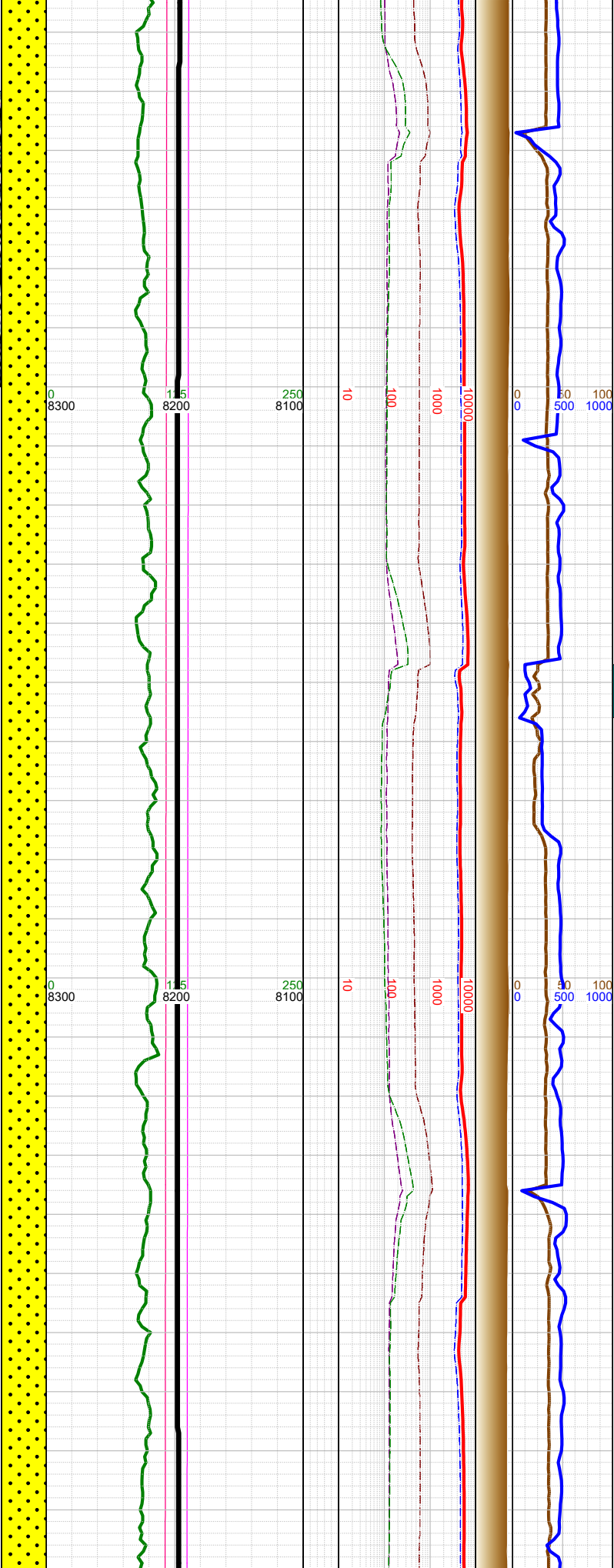
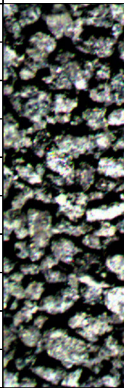


-10750 SHLY SLTST: med gy, frm, blkly-sb blkly, gr-rthy, sl calc; LS: lt crm, lt gy, med brn, sbblkly-sbply, sl wxy, vcalc; tr fos frags; tr forams; tr pyr;



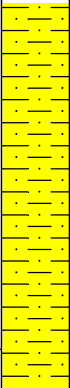


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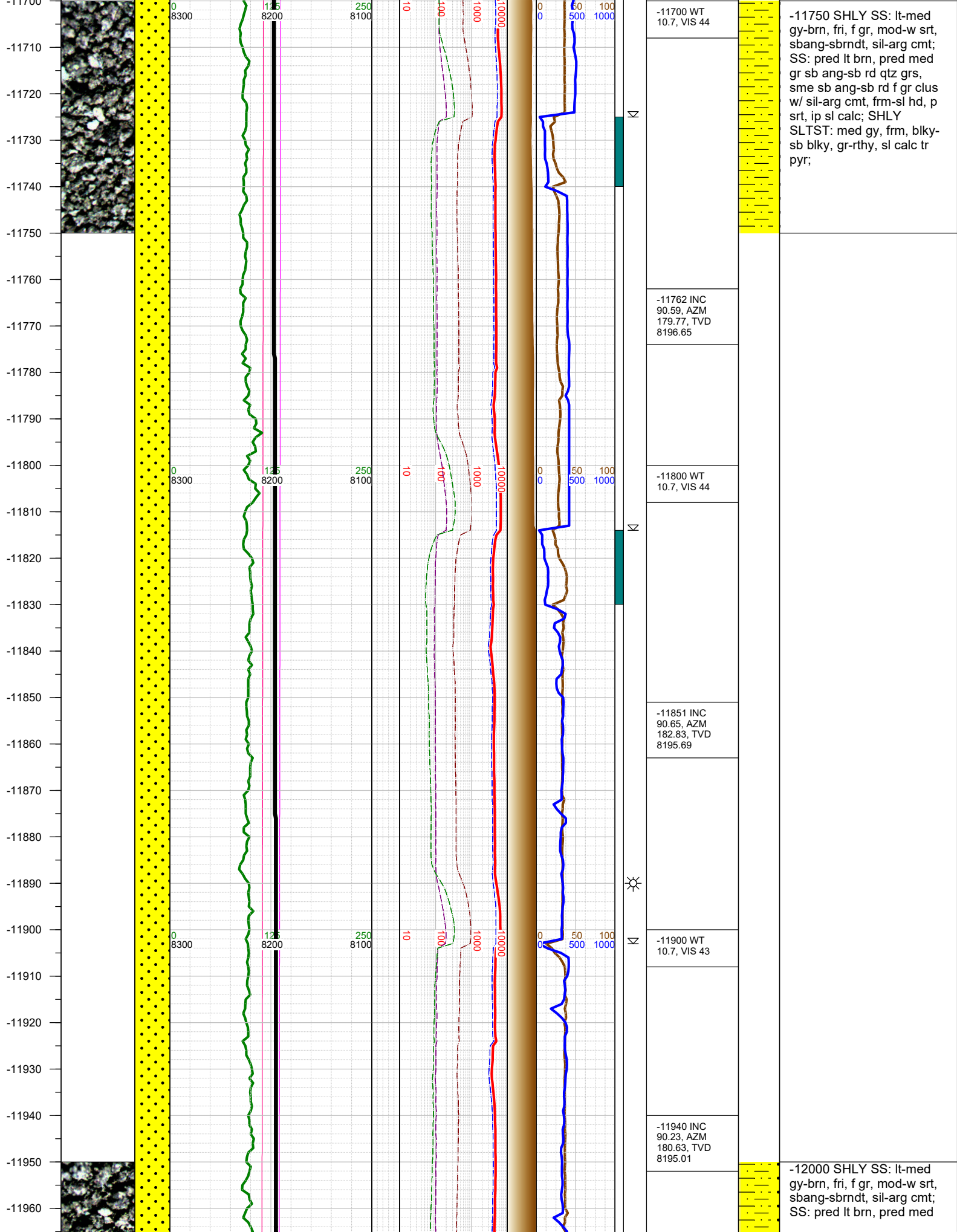


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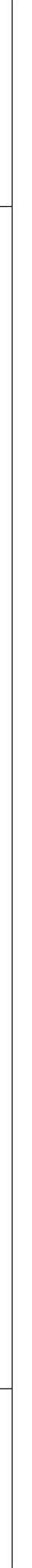
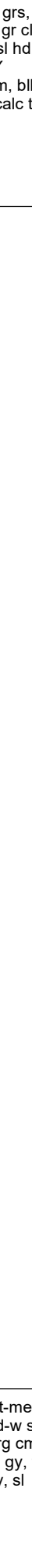
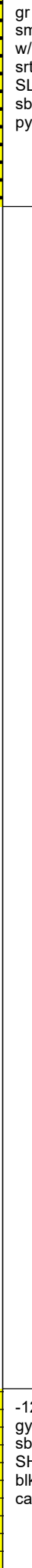
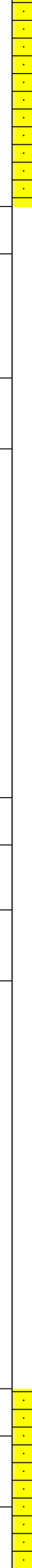
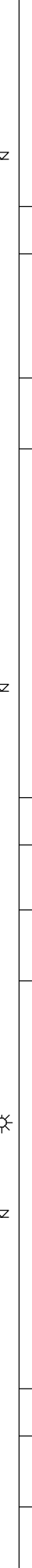
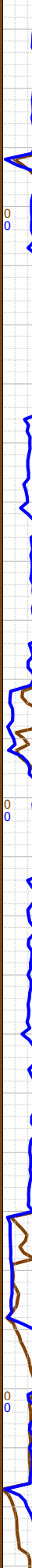
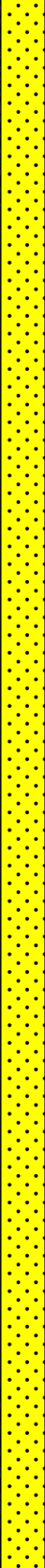
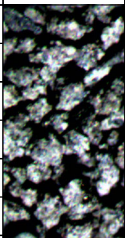
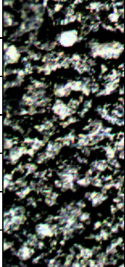
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		-11510 WT 10.5, VIS 43
		-11585 INC 90.27, AZM 178.92, TVD 8198.17
		-11600 WT 10.6, VIS 44
		-11673 INC 90.55, AZM 178.26, TVD 8197.54



-11500 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SHLY SLTST: med gy, frm,
blky-sb blky, gr-rthy, sl
calc; tr pyr;



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-12000 WT
10.7, VIS 43

-12029 INC
88.75, AZM
177.18, TVD
8195.8

-12100 WT
10.7, VIS 43

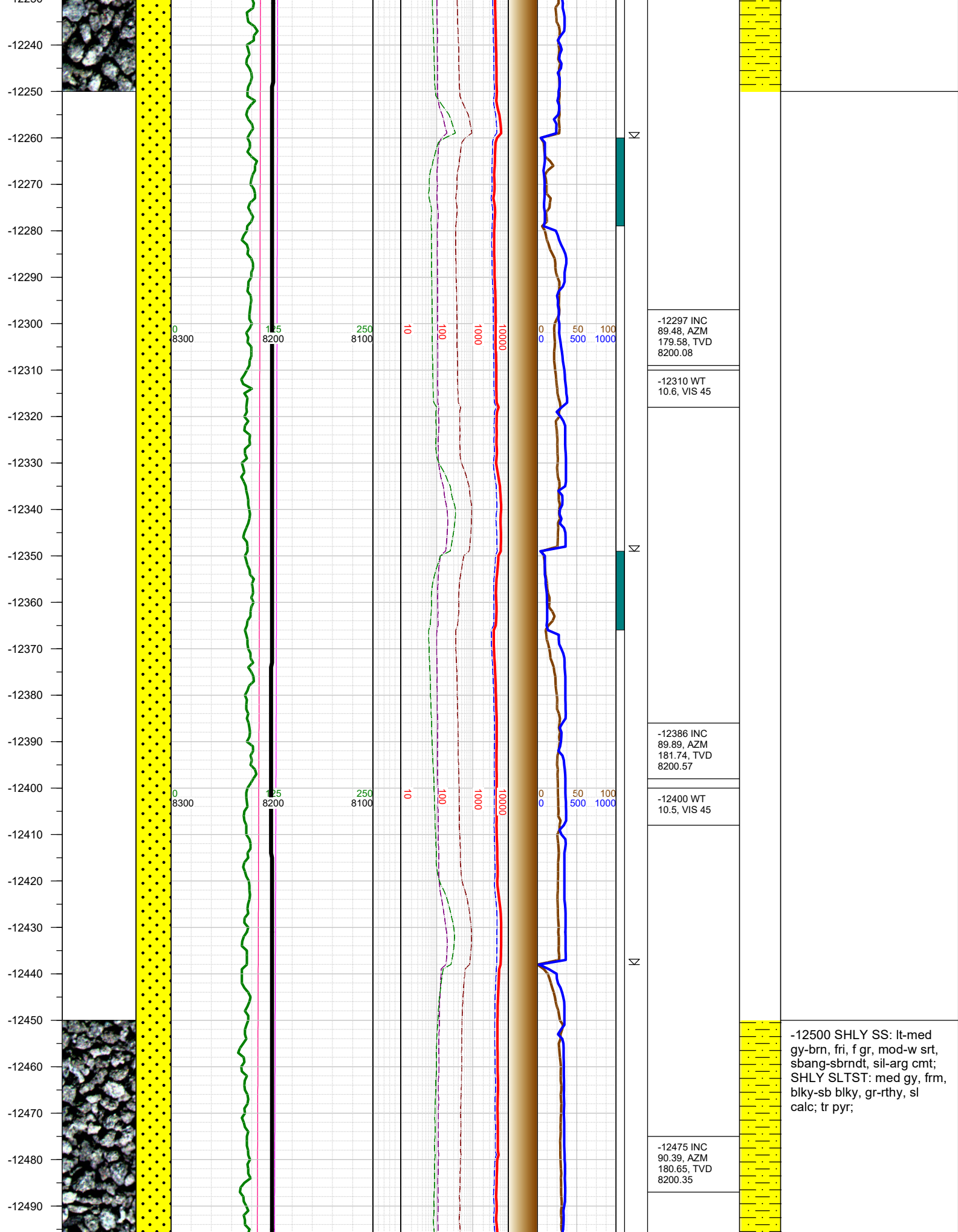
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TVD 8197.57

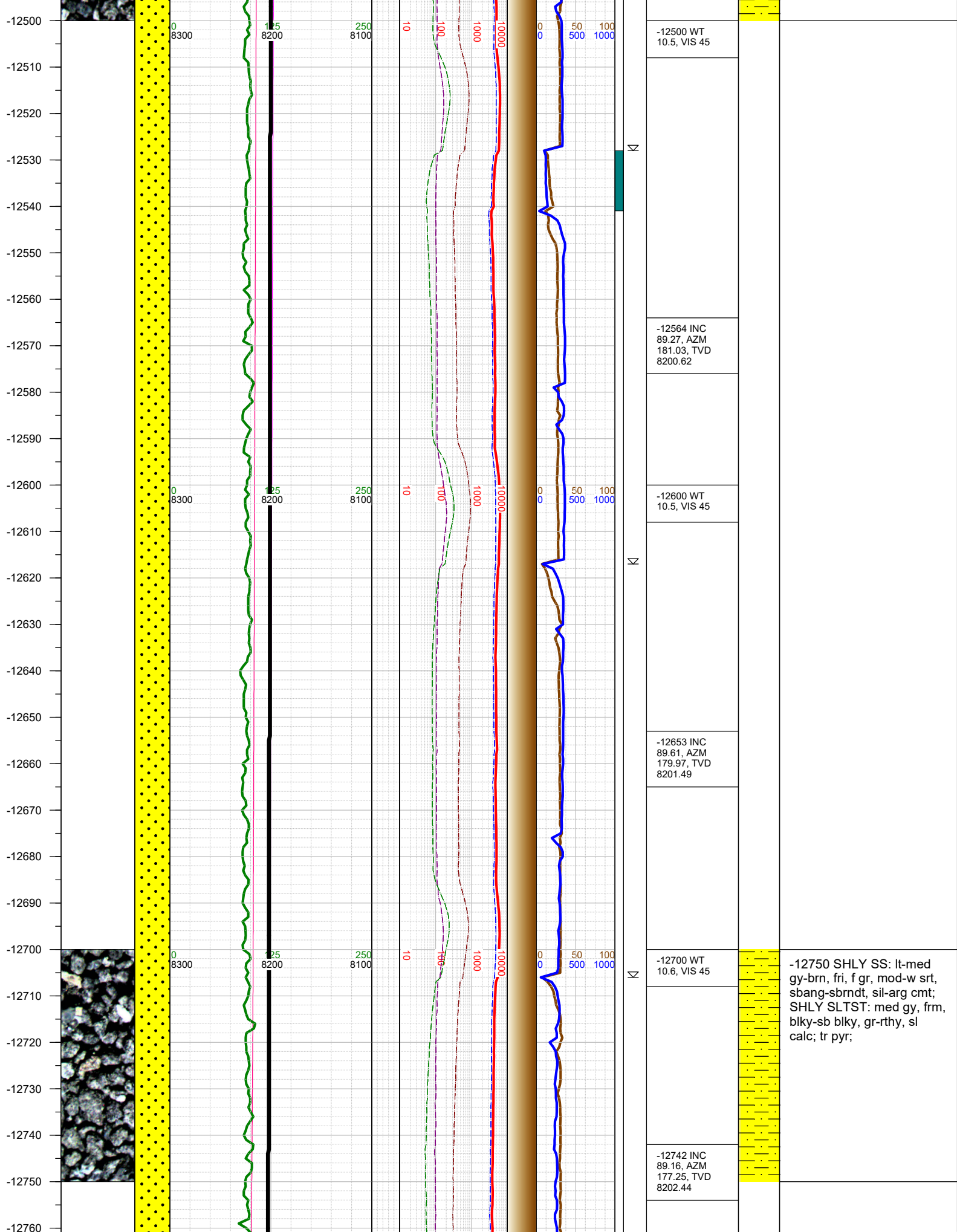
-12200 WT
10.6, VIS 45

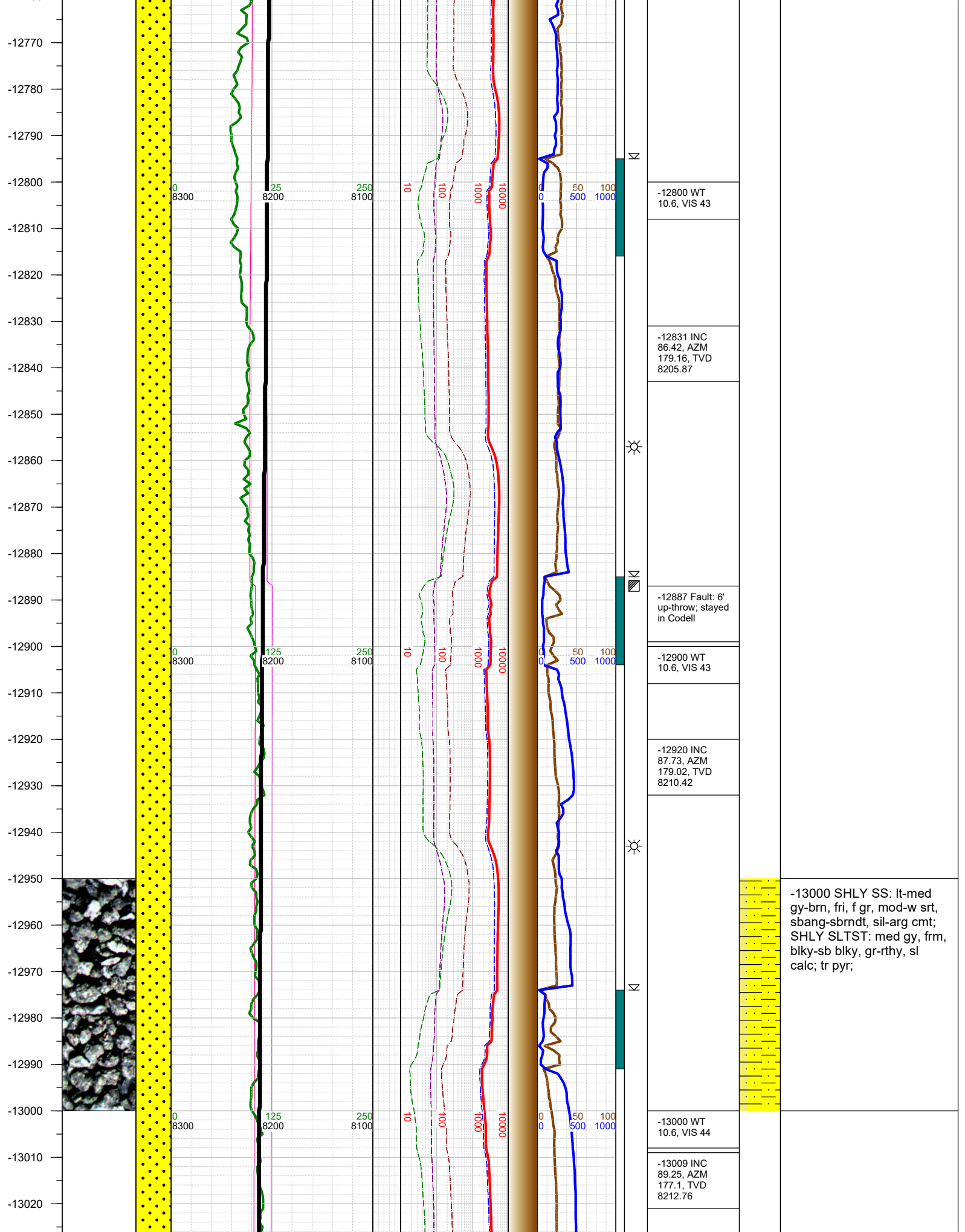
-12208 INC
89.14, AZM
178.22, TVD
8199.01

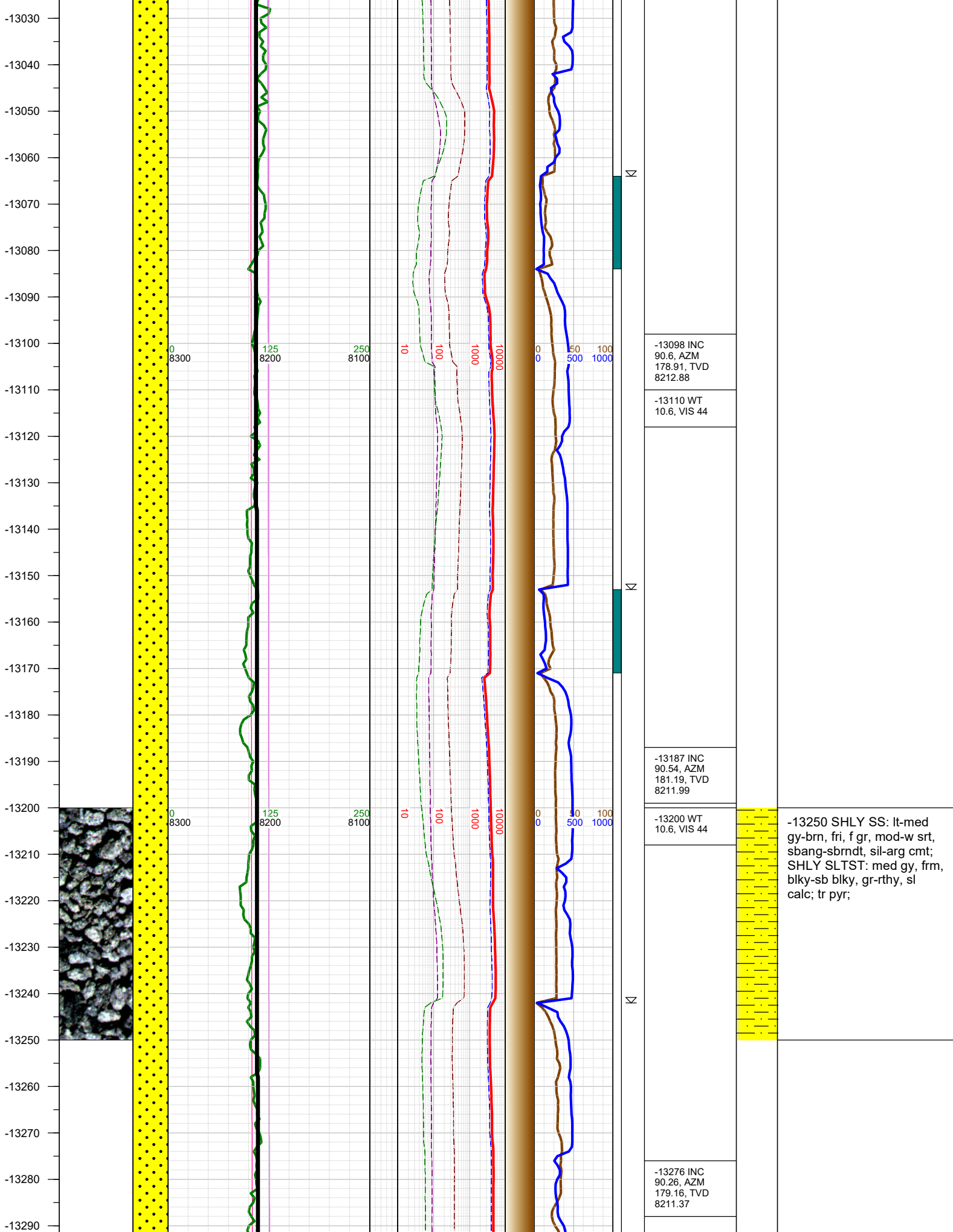
gr sb ang-sb rd qtz grs,
sme sb ang-sb rd f gr clus
w/ sil-arg cmt, frm-sl hd, p
srt, ip sl calc; SHLY
SLTST: med gy, frm, blk-
sb blk, gr-rthy, sl calc tr
pyr;

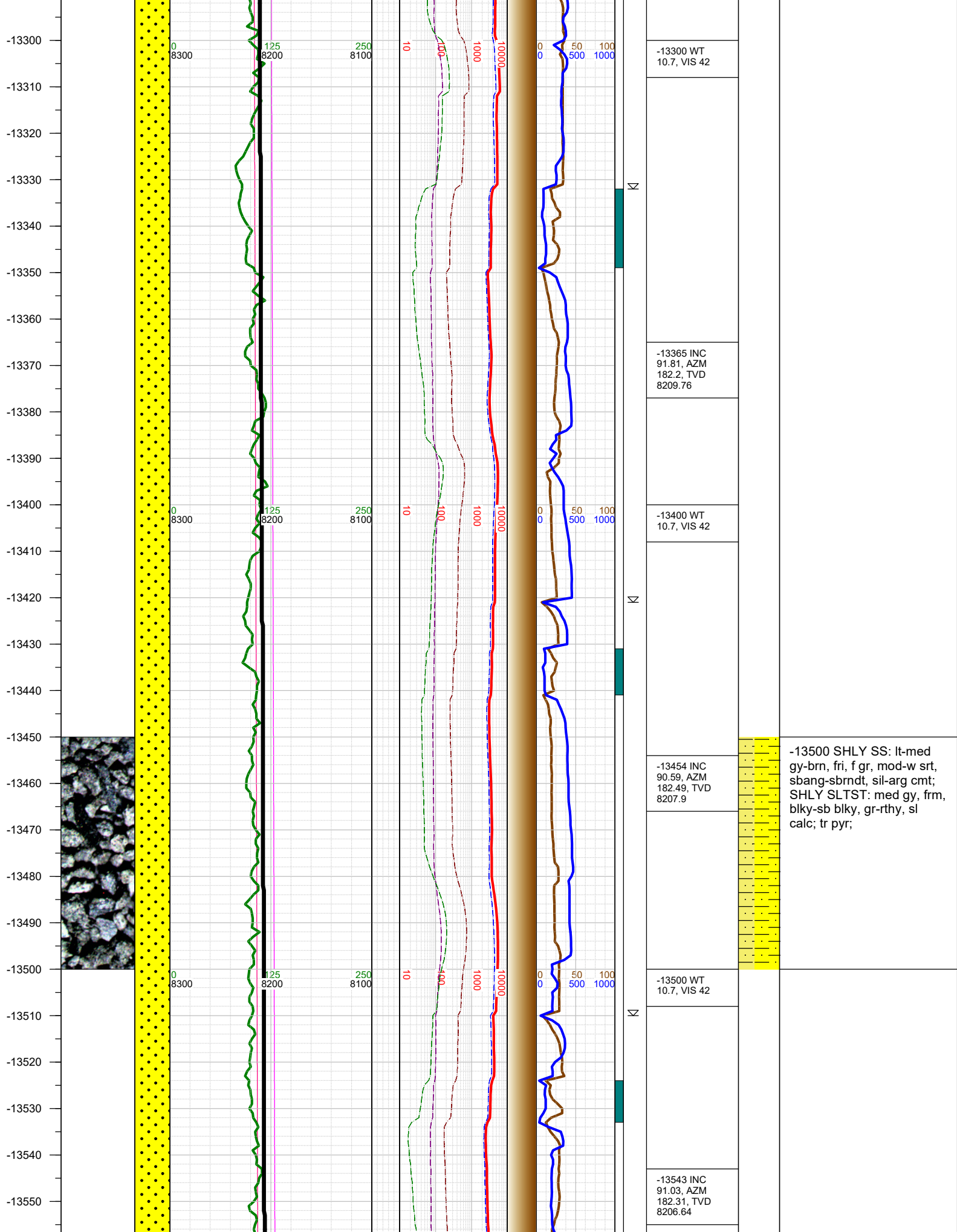
-12250 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SHLY SLTST: med gy, frm,
blk-sb blk, gr-rthy, sl
calc; tr pyr;

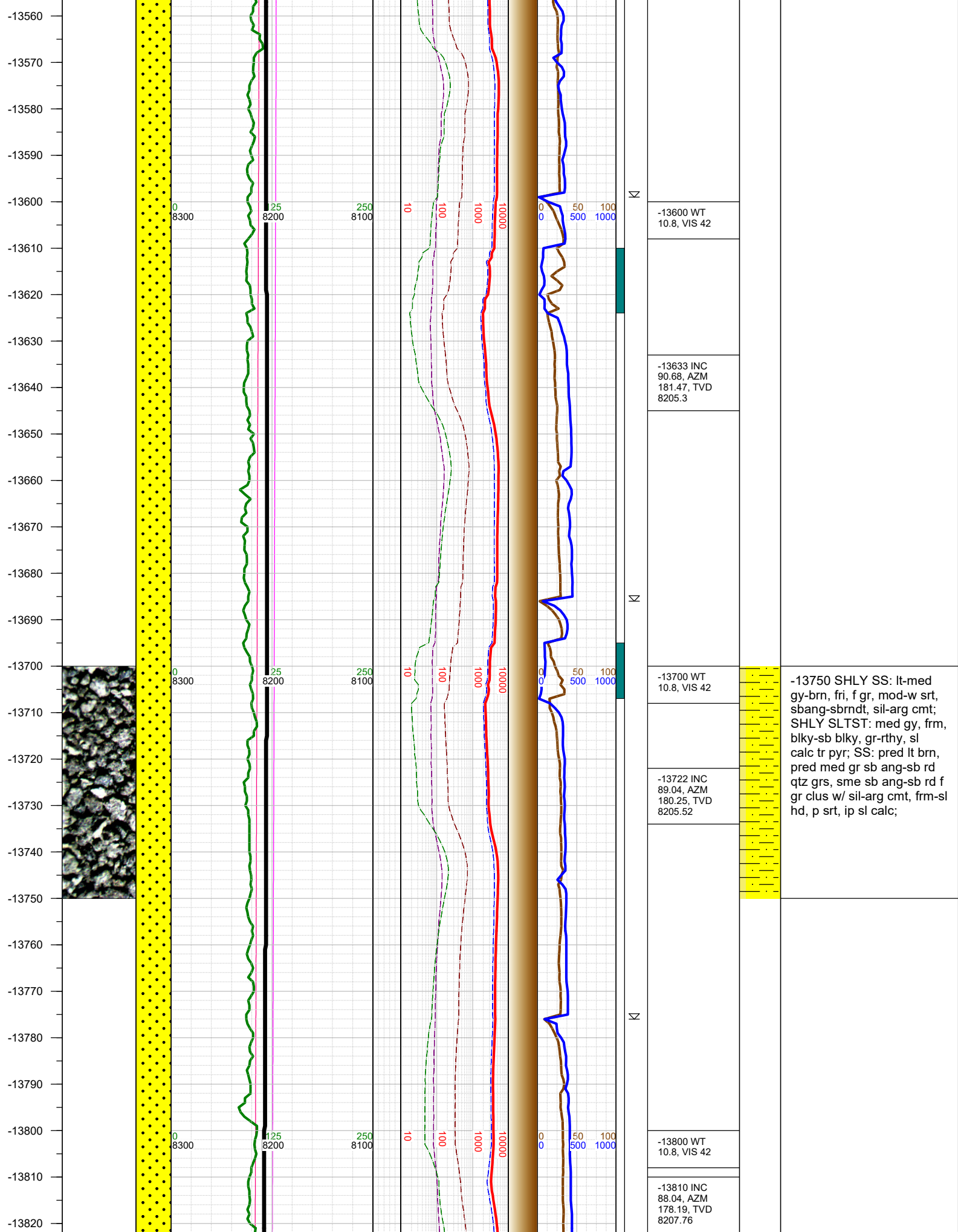


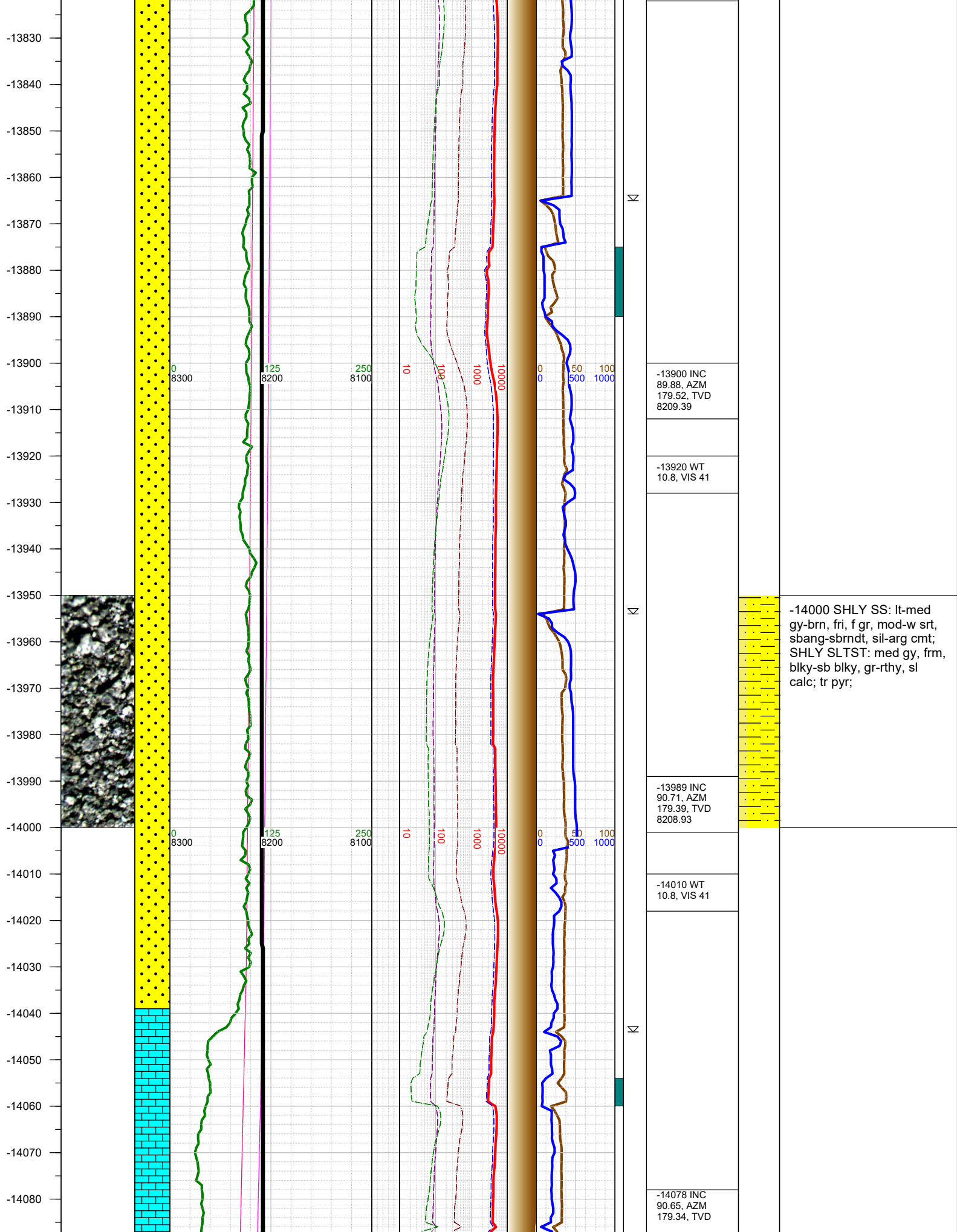


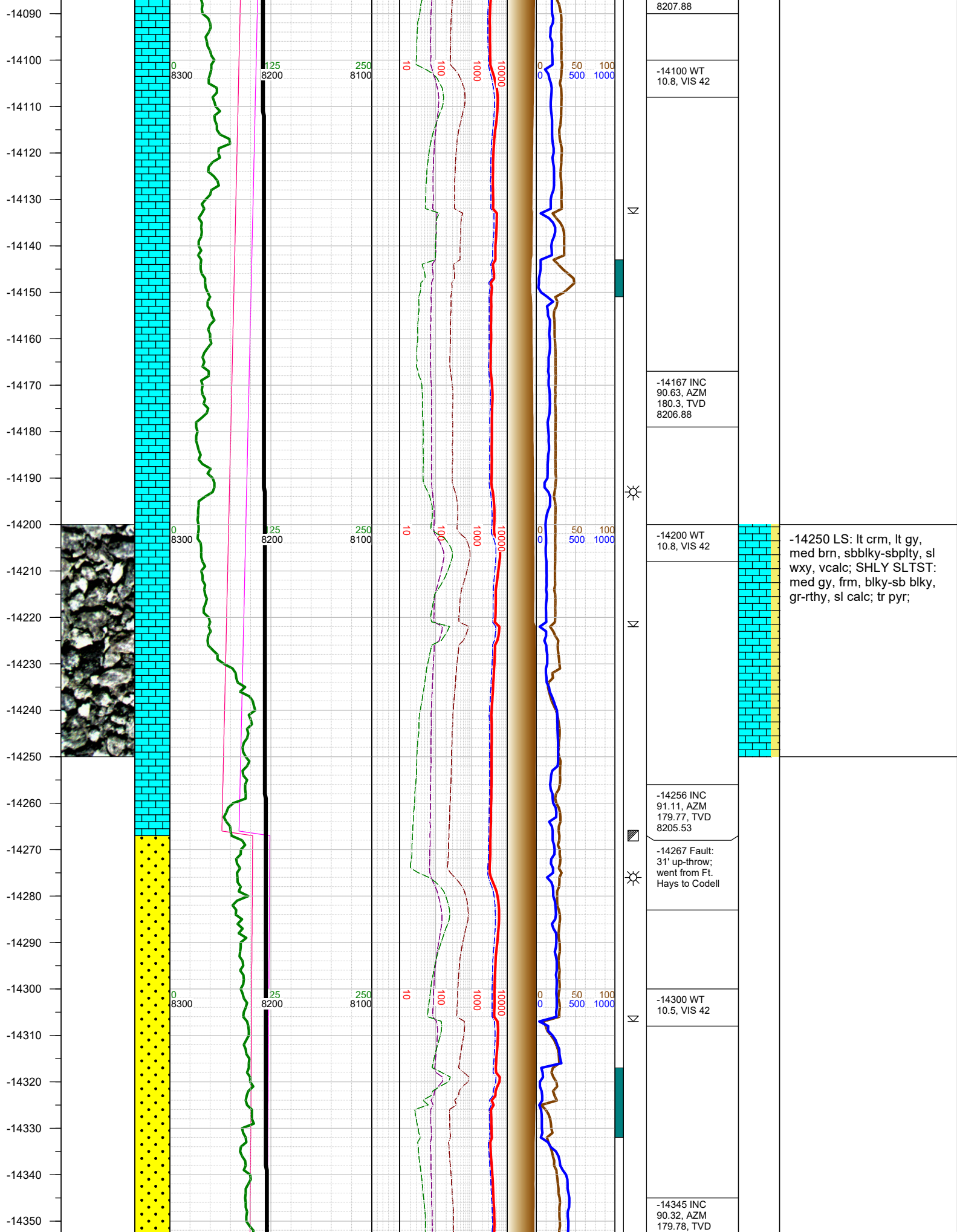


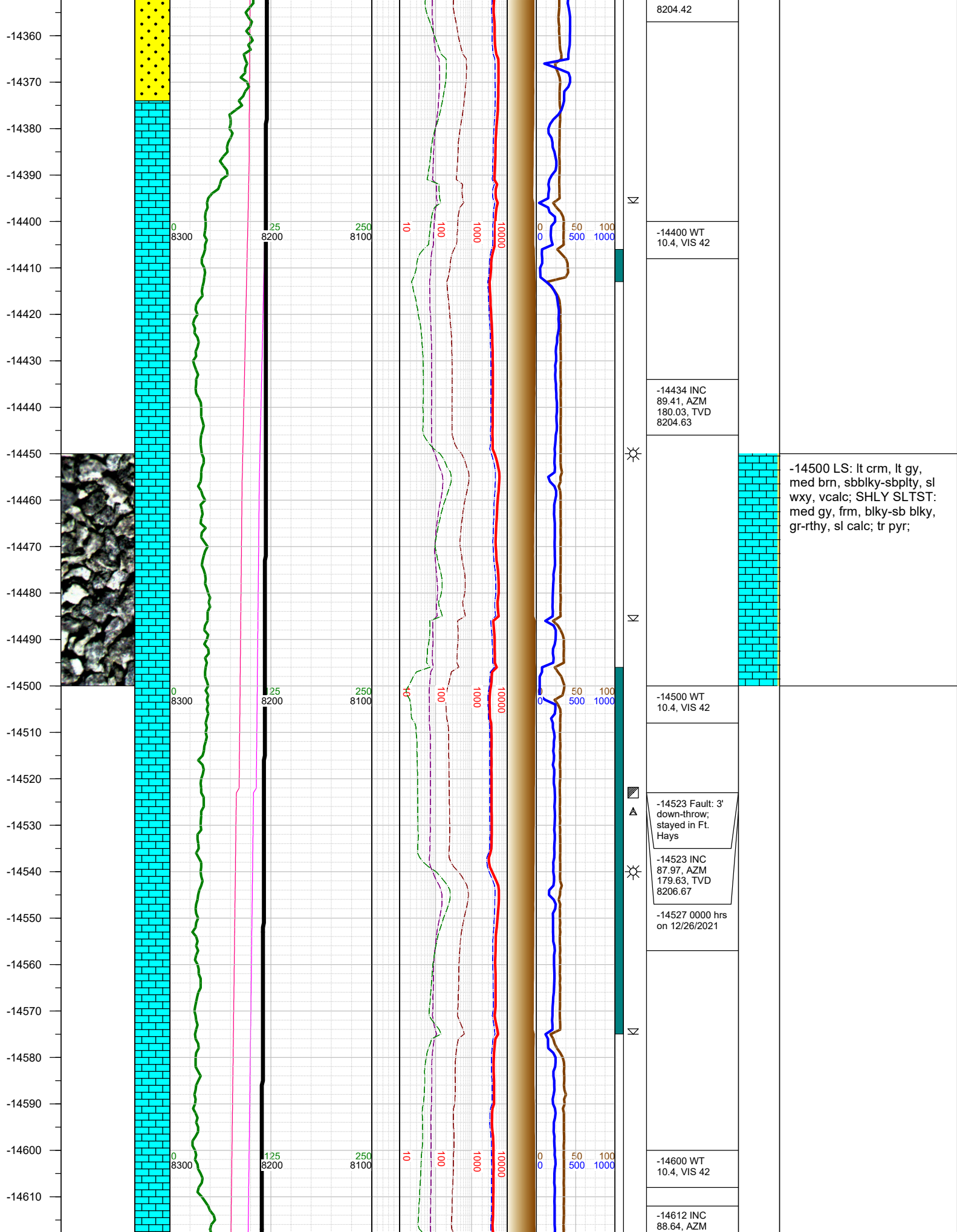




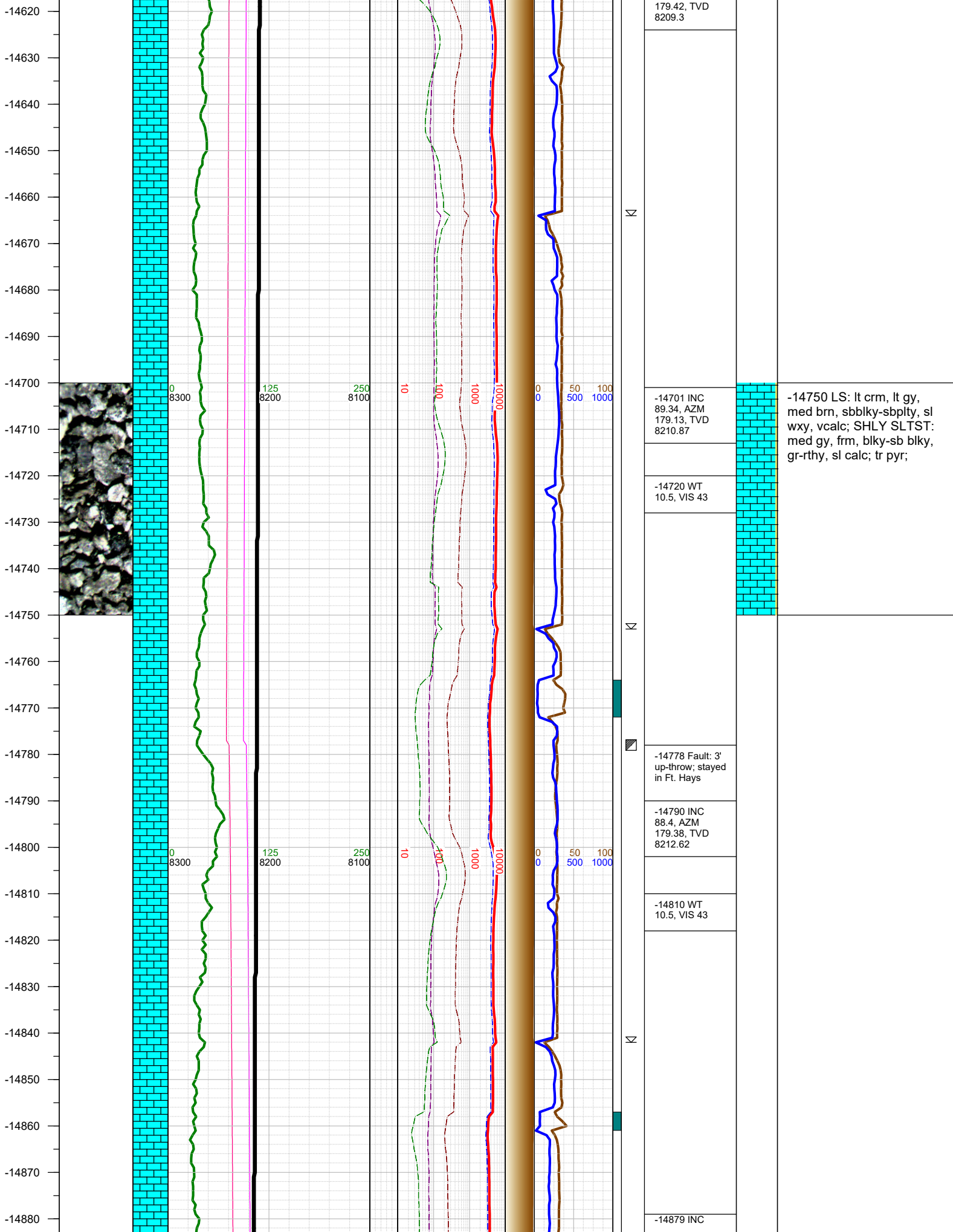




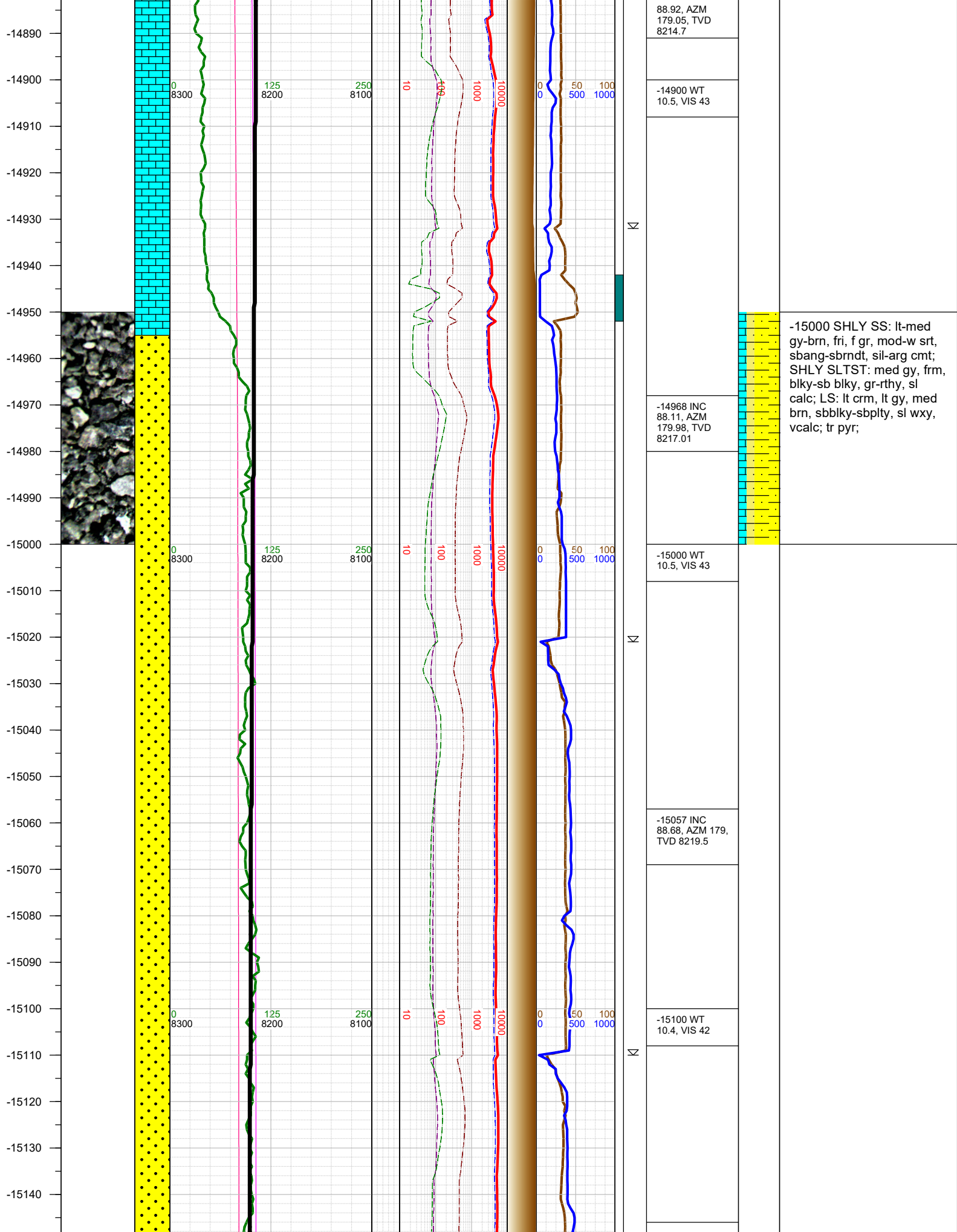


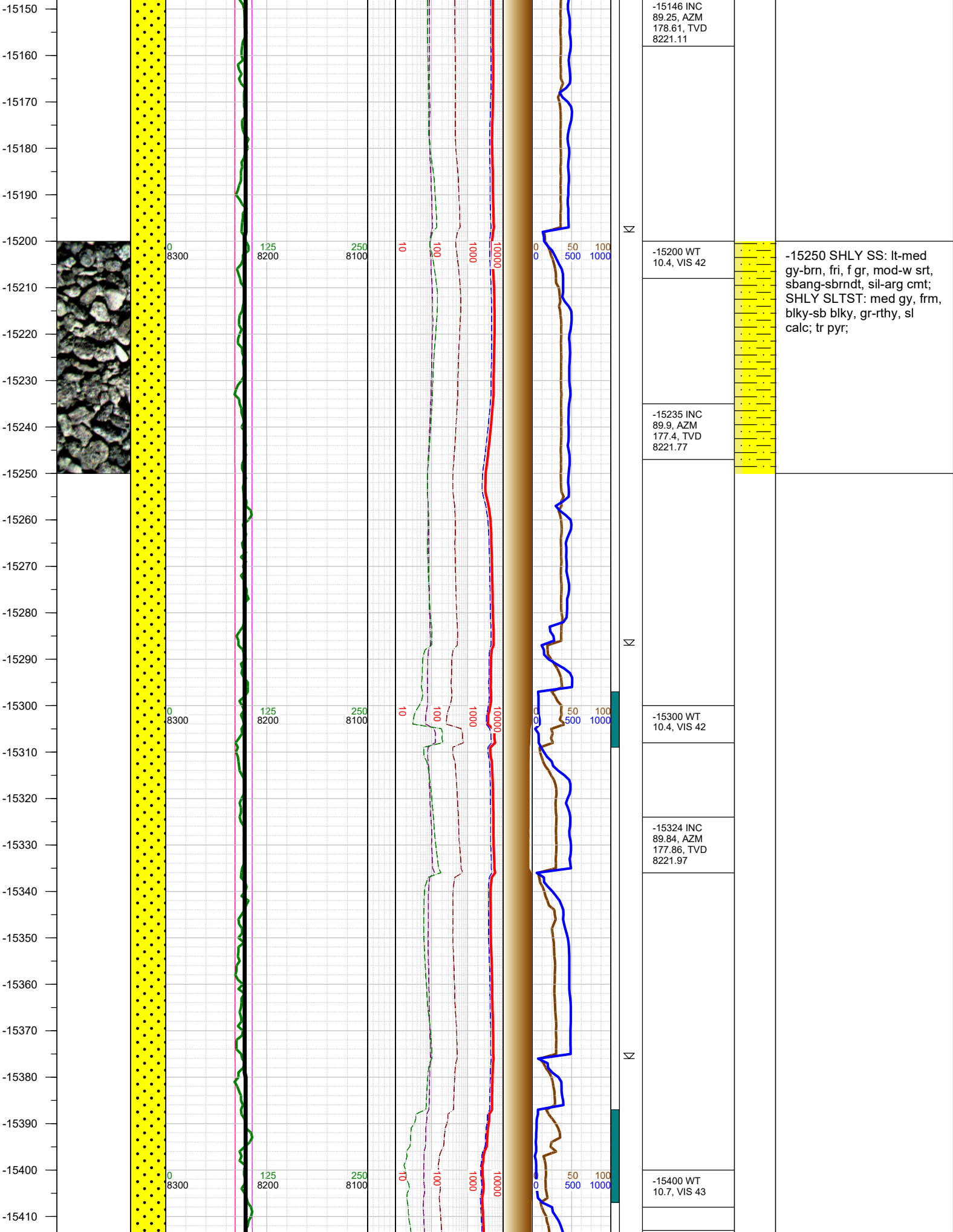


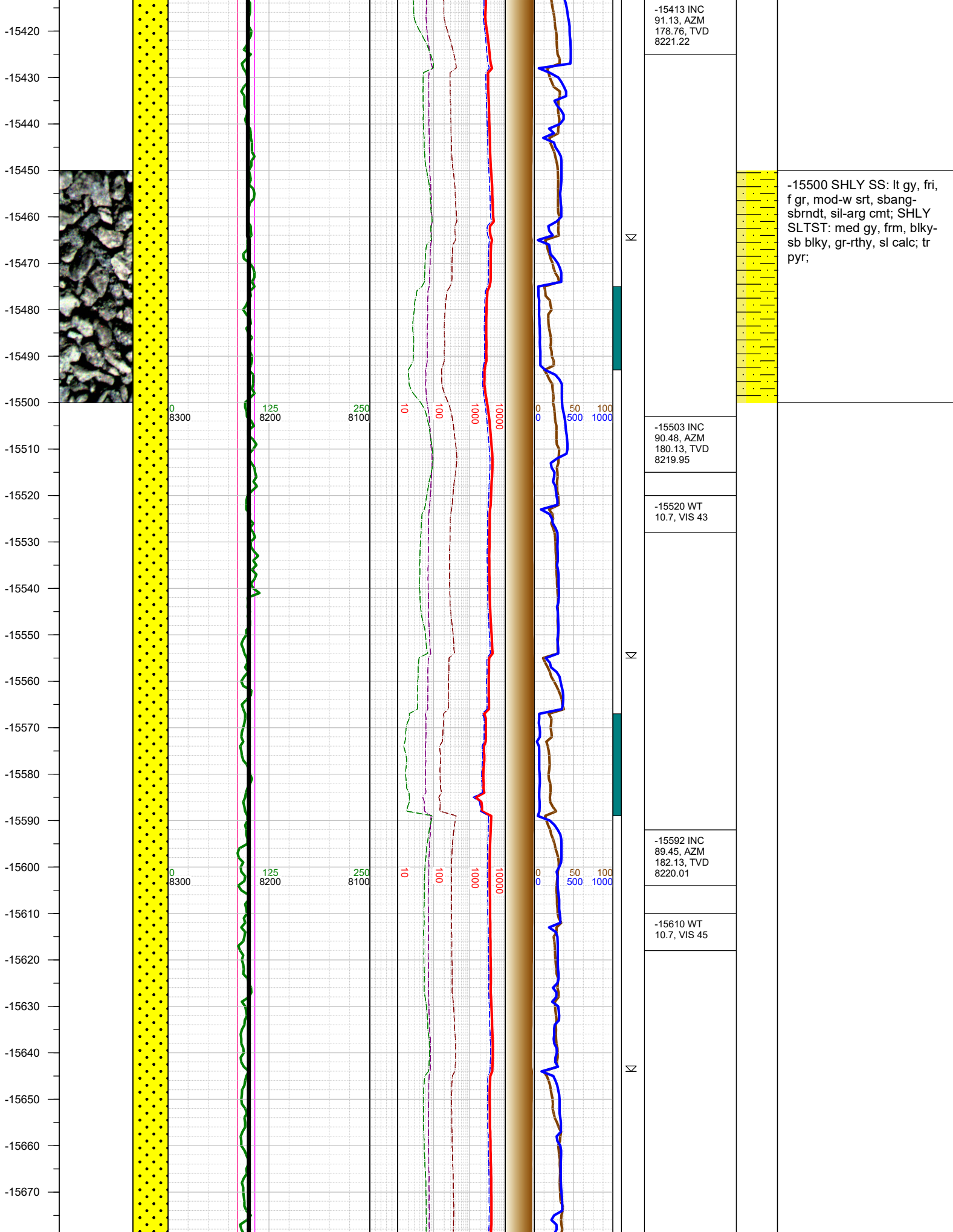
-14500 LS: lt crm, lt gy, med brn, sbbiky-sbpity, sl wxy, vcalc; SHLY SLTST: med gy, frm, blkly-sb blkly, gr-rthy, sl calc; tr pyr;

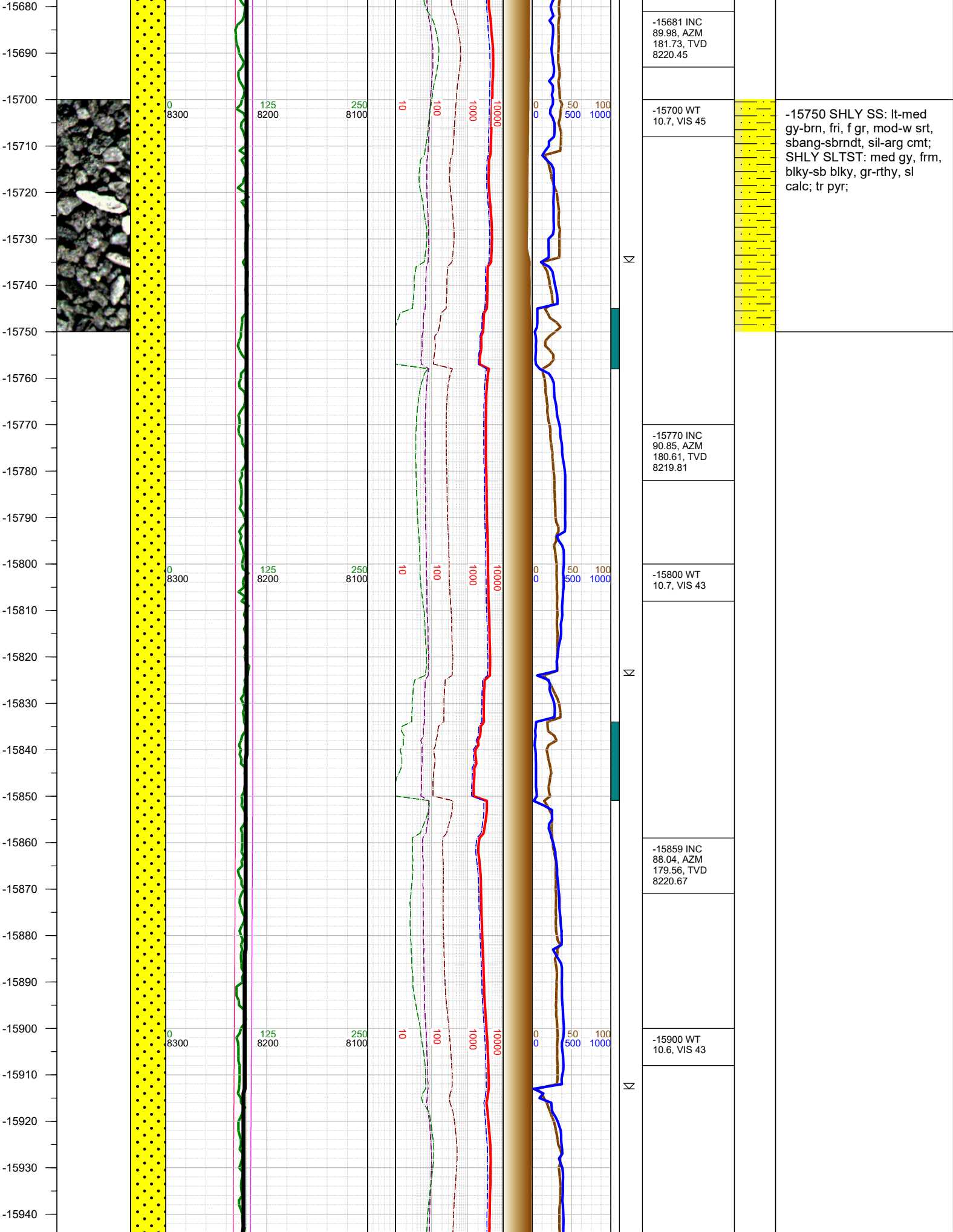


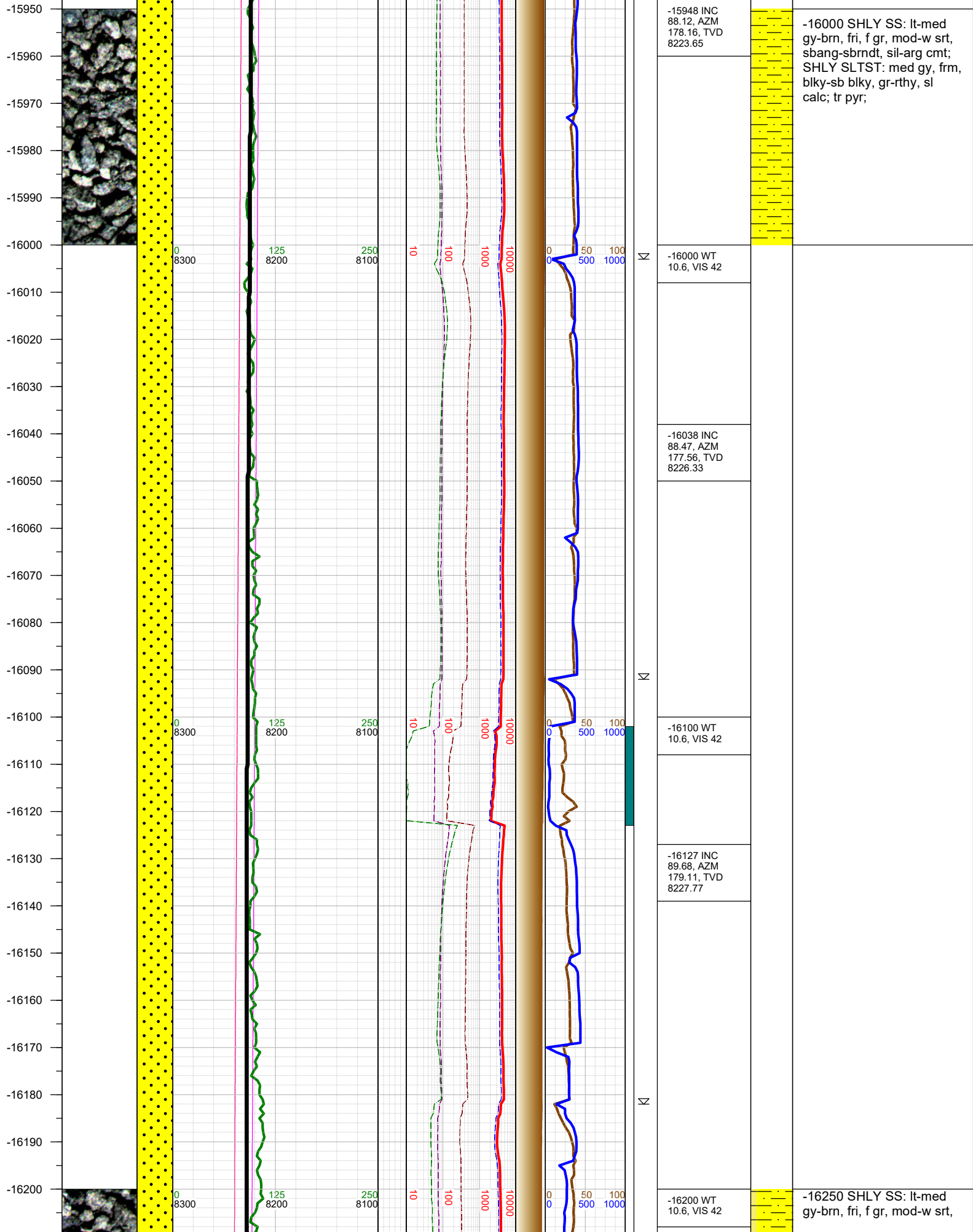
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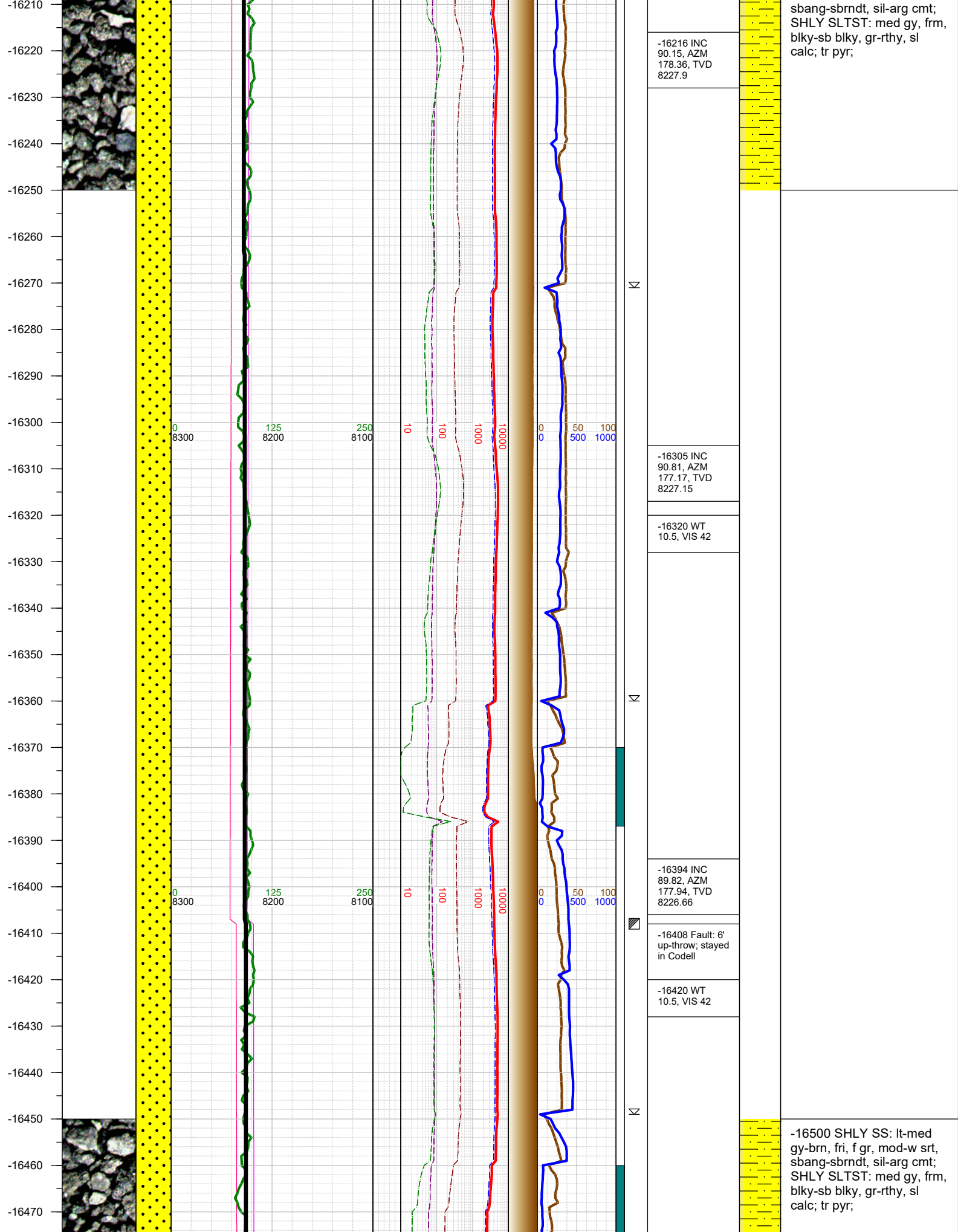




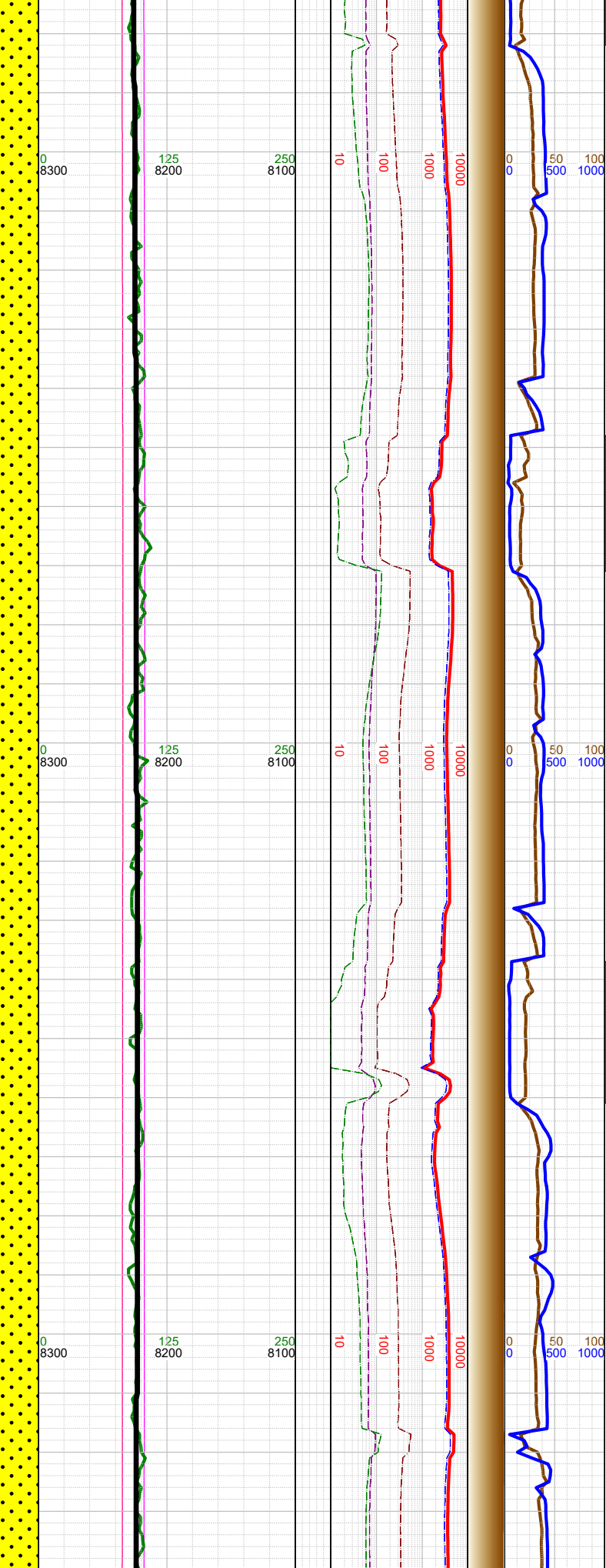
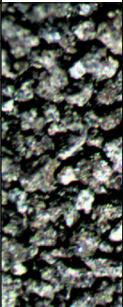
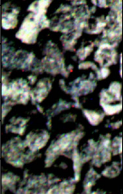








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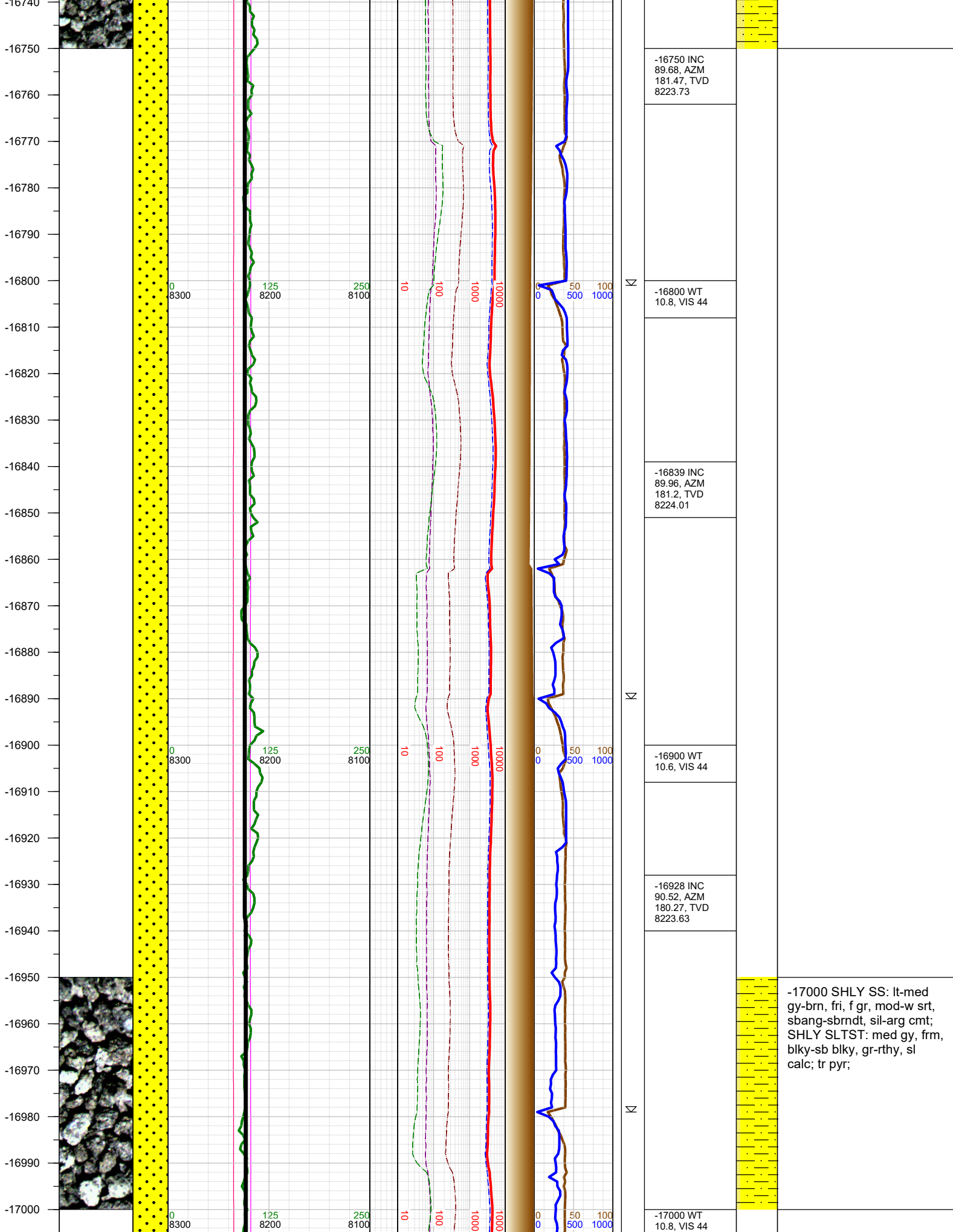


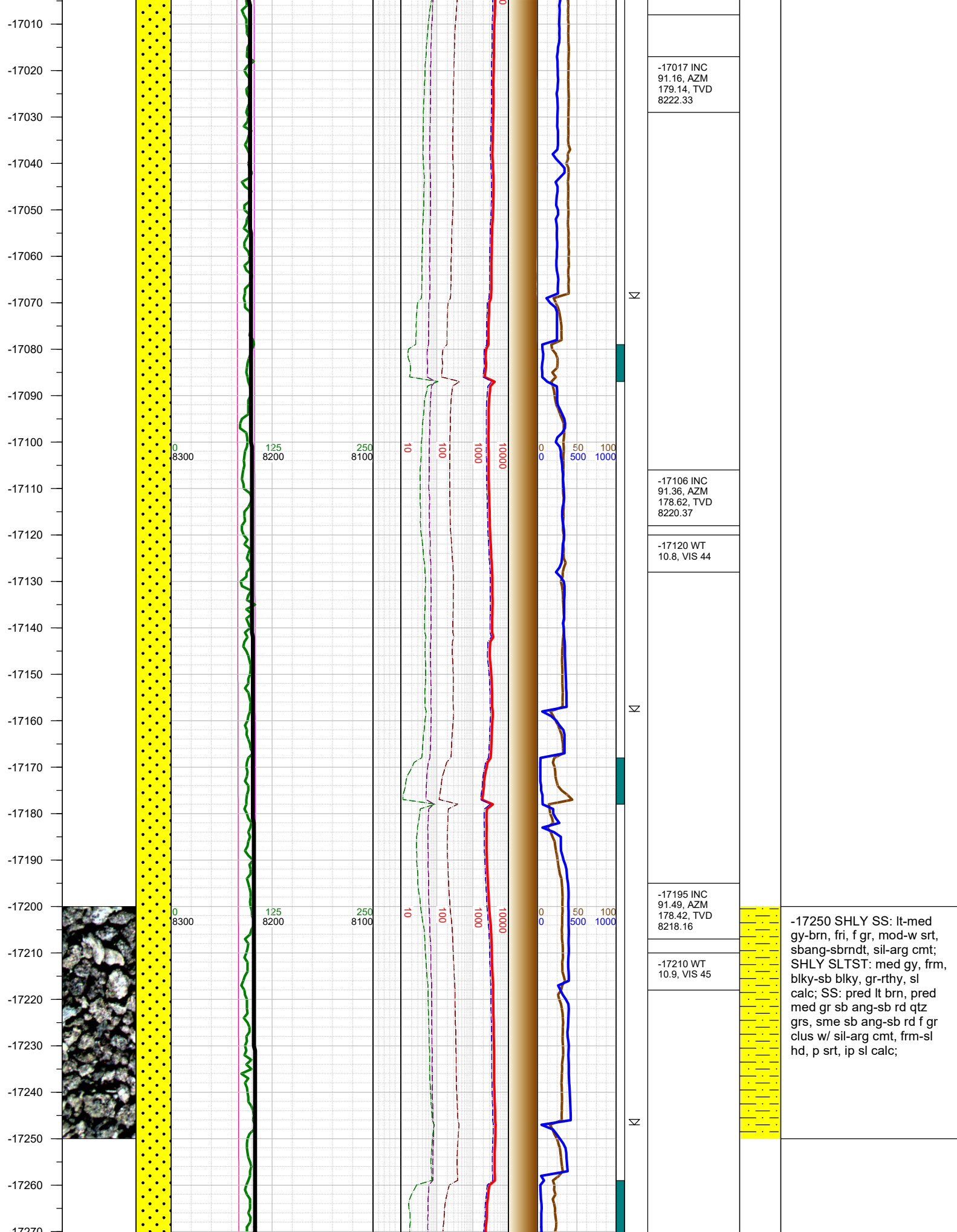
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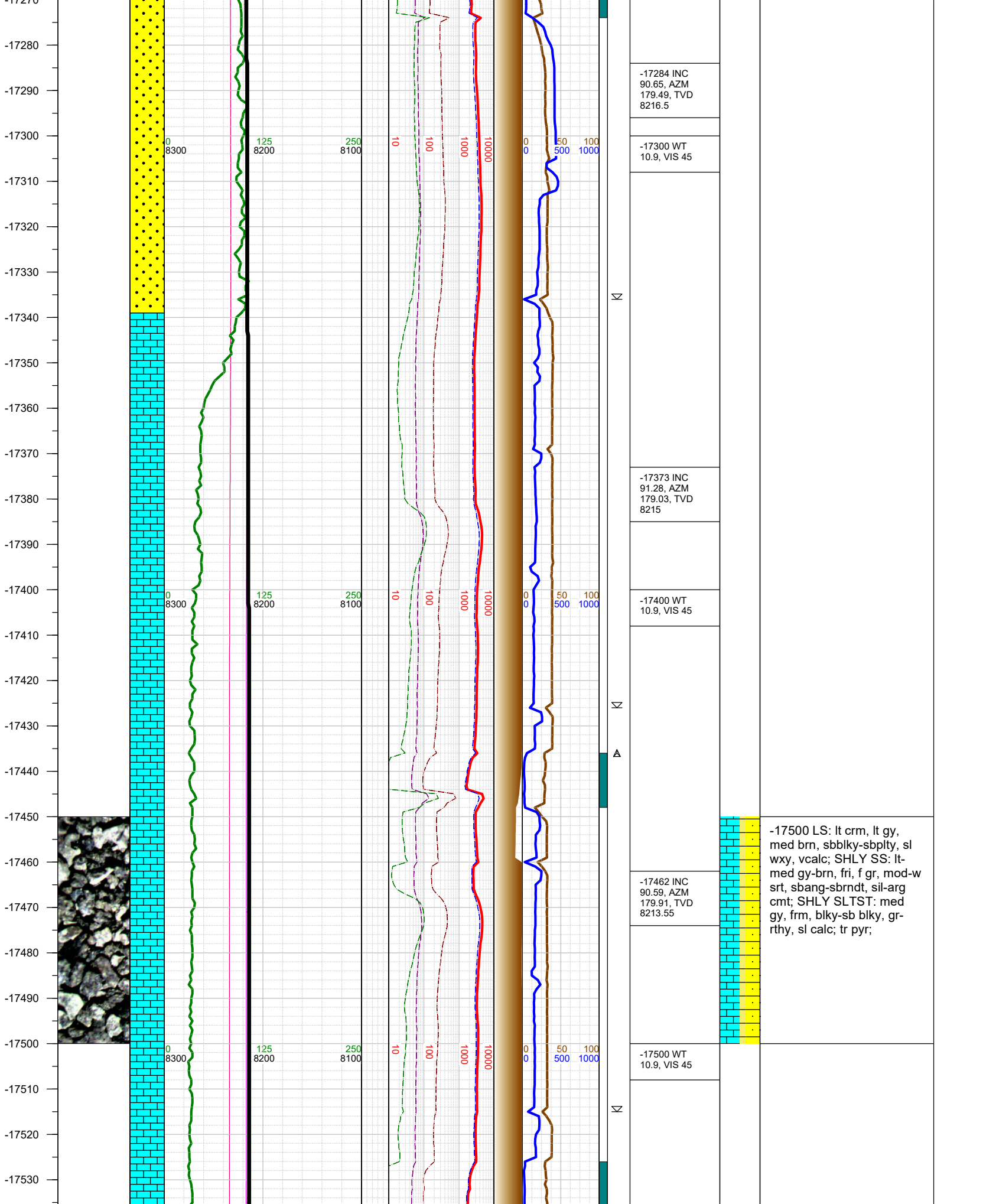
-16483 INC 91.52, AZM 178.13, TVD 8225.62
-16500 WT 10.8, VIS 44
-16572 INC 90.96, AZM 180.27, TVD 8223.7
-16600 WT 10.8, VIS 44
-16661 INC 89.66, AZM 181.85, TVD 8223.21
-16700 WT 10.8, VIS 44

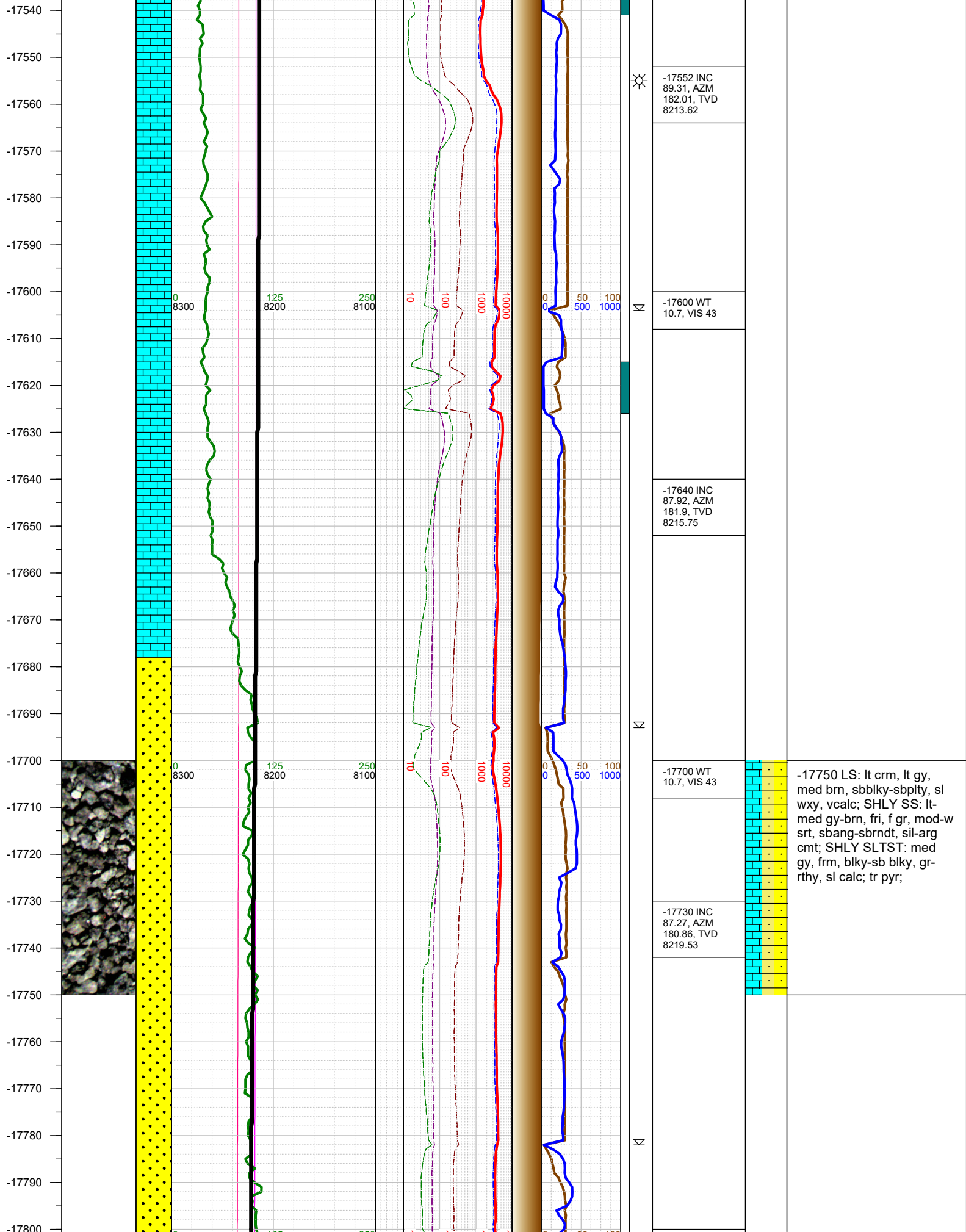


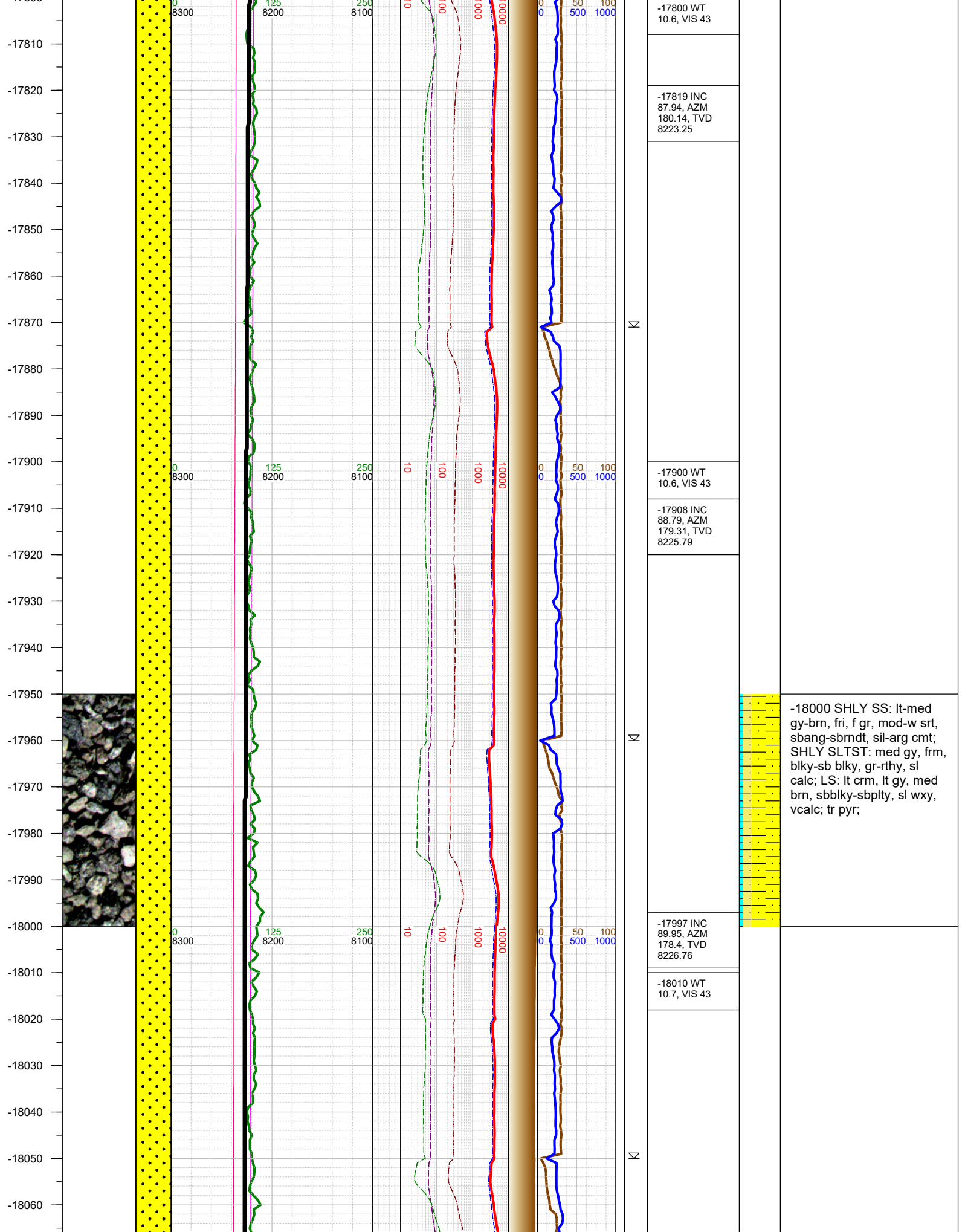
-16750 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SHLY SLTST: med gy, frm,
blky-sb blky, gr-rthy, sl
calc; tr pyr;



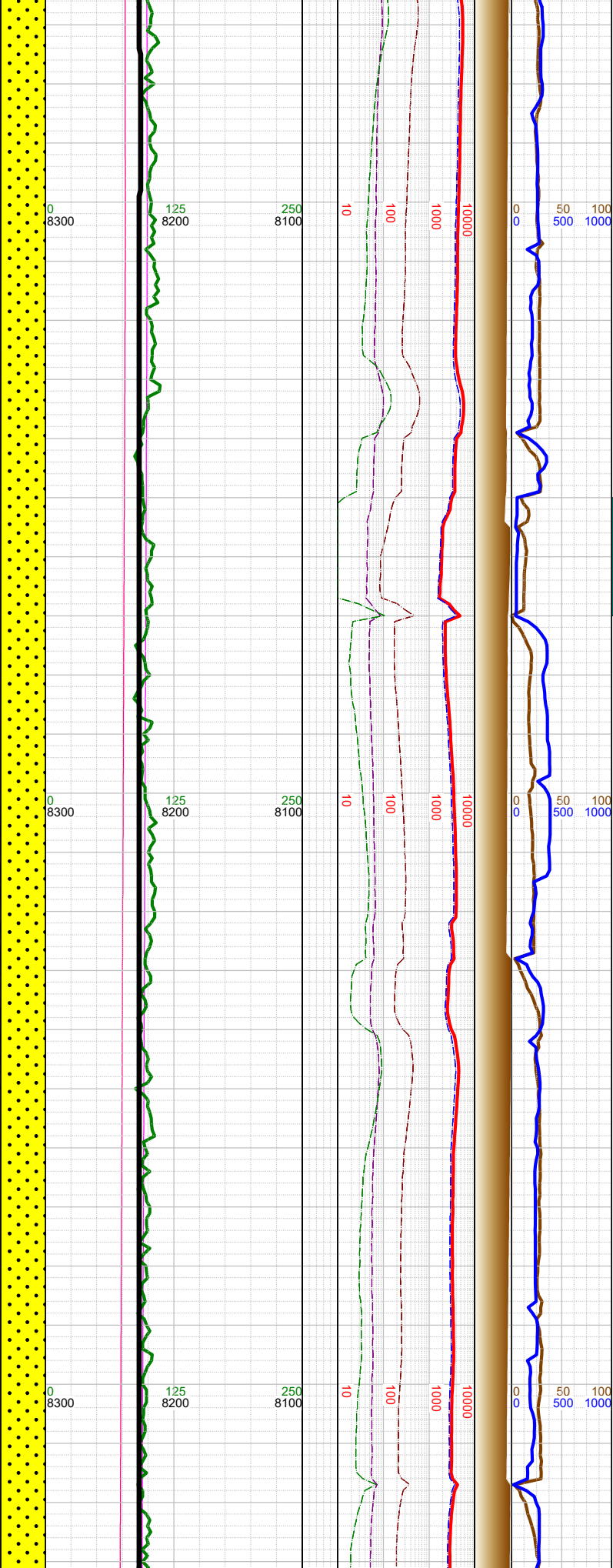
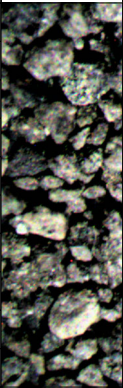








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-18086 INC
90.44, AZM
177.88, TVD
8226.46

-18100 WT
10.7, VIS 43

-18175 INC
89.2, AZM
178.52, TVD
8226.74

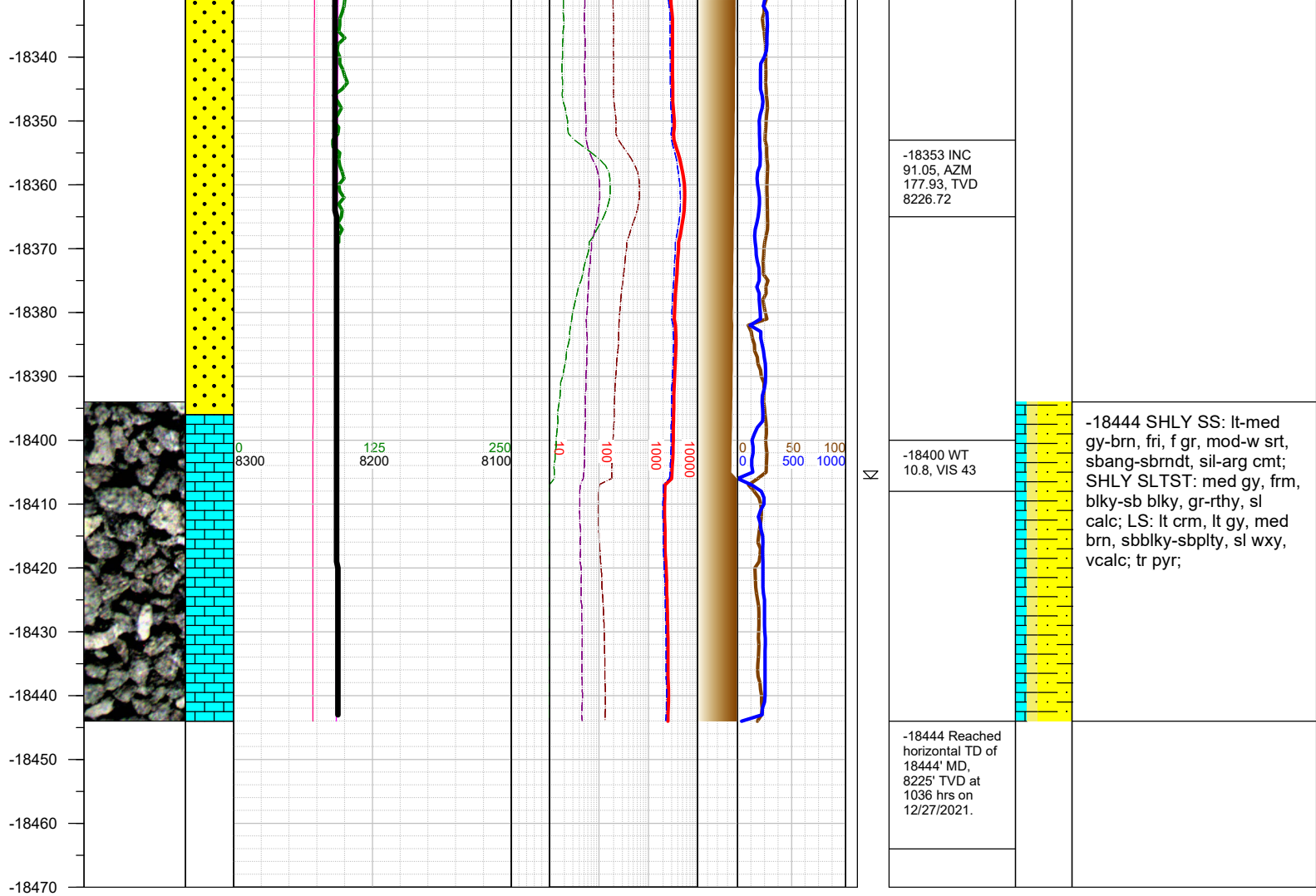
-18200 WT
10.7, VIS 43

-18264 INC
89.89, AZM
178.19, TVD
8227.45

-18300 WT
10.7, VIS 43



-18250 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SHLY SLTST: med gy, frm,
blky-sb blky, gr-rthy, sl
calc; tr pyr;



TOTAL DEPTH = 18444'

Thank you for using Earth Science Agency