

OPERATOR: **Extraction Oil & Gas**

WELL NAME: **Mickey 4**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Patterson 346

API #: 05-123-43851

LAT/LONG: 40.516401, -104.914364
SURFACE HOLE: SWNE S5-T6N-R67W, 2419' FNL, 1813' FEL
BOTTOM HOLE: S3-T6N-R67W, 631' FNL, 2629' FEL

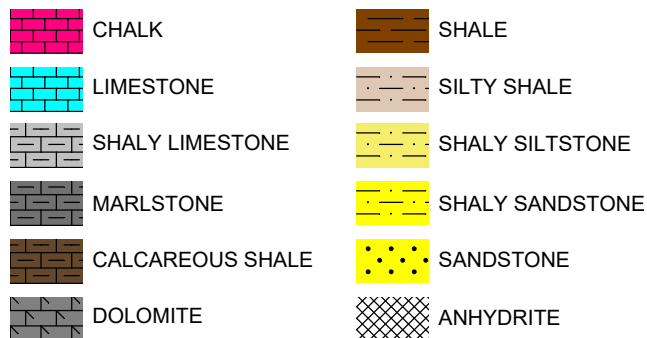


Earth Science Agency, LLC

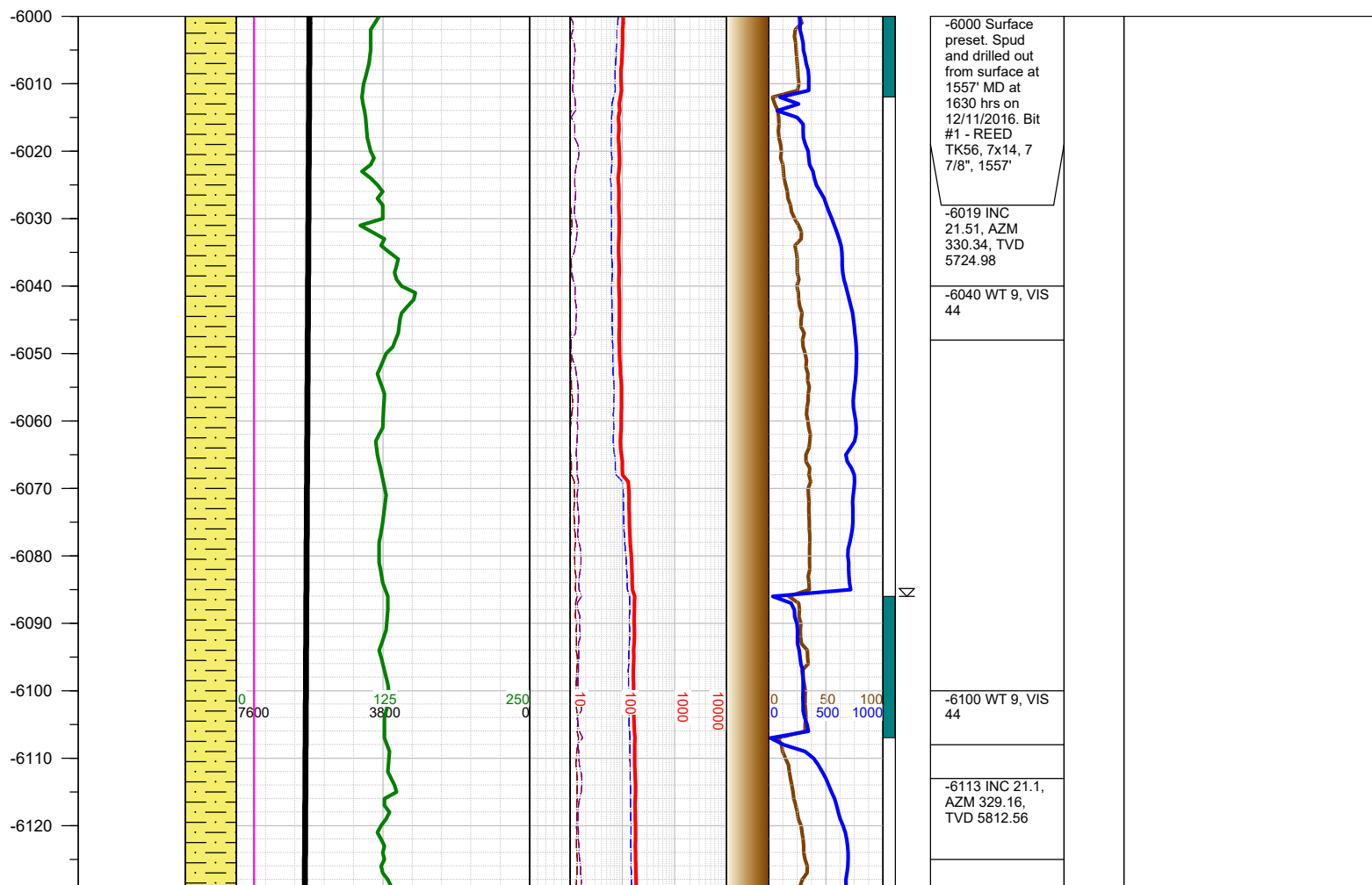
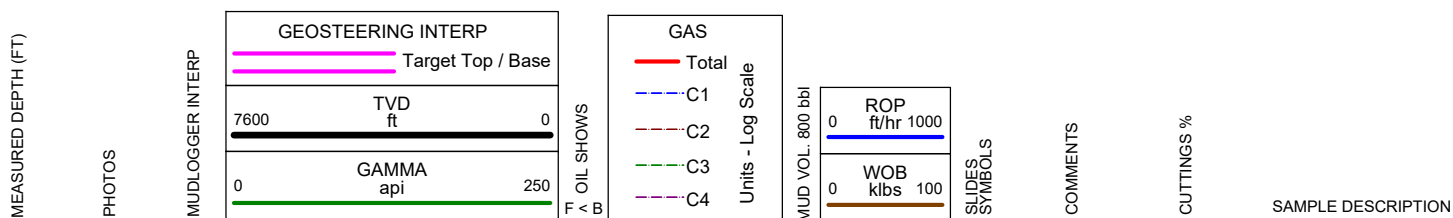
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 4881'
KELLY BUSHING: 4906'
DRILLING FLUID: OBM
TVD VS. MD: 7230' / 17790'
SPUD DATE: December 11, 2016
TD DATE: December 16, 2016

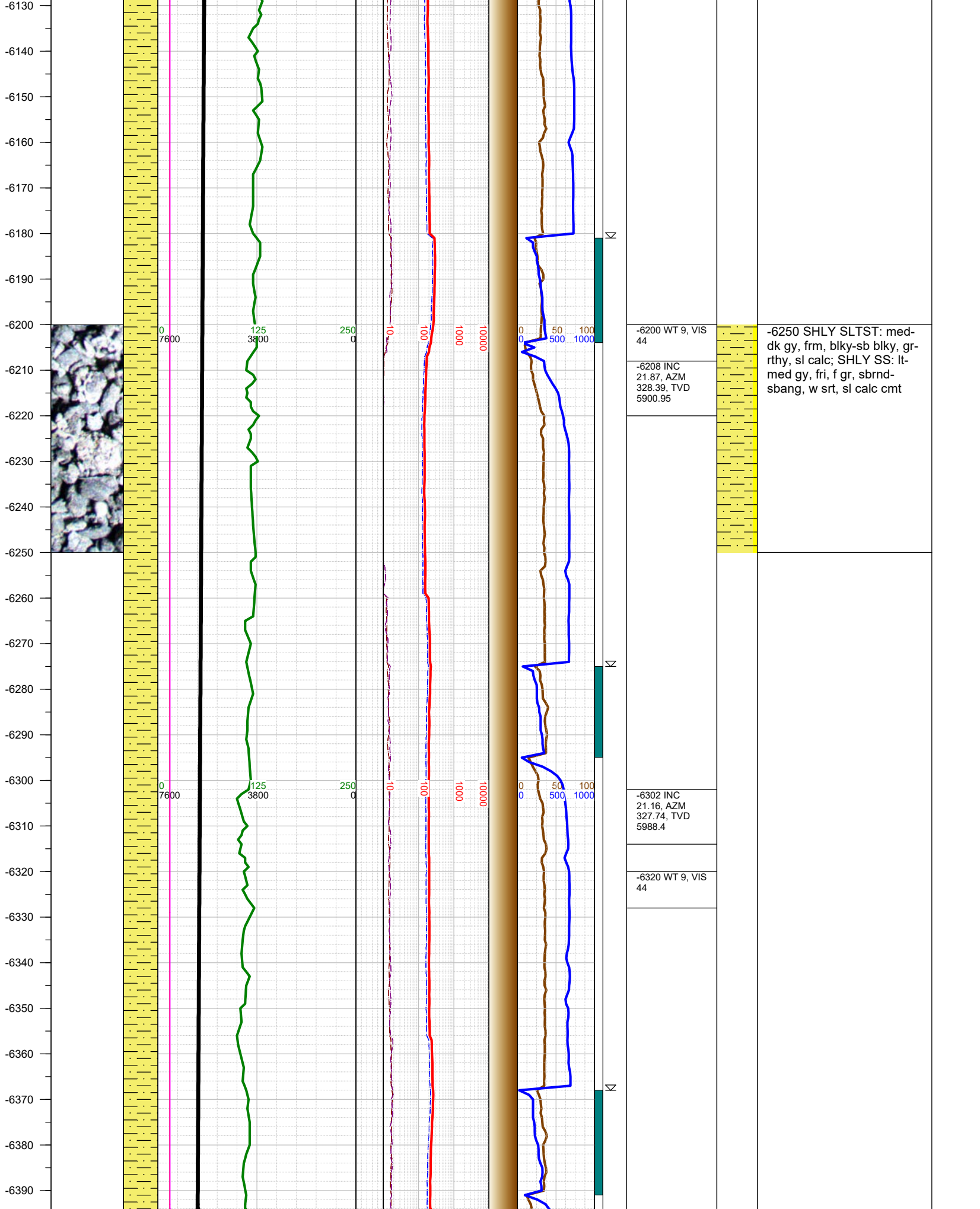
DEPTHS LOGGED: 6000' - 17790'
DATES LOGGED: December 11, 2016 - December 16, 2016
GEOLOGISTS: Dominic Pitre, Joe Coon
SCALE: 5" = 100'

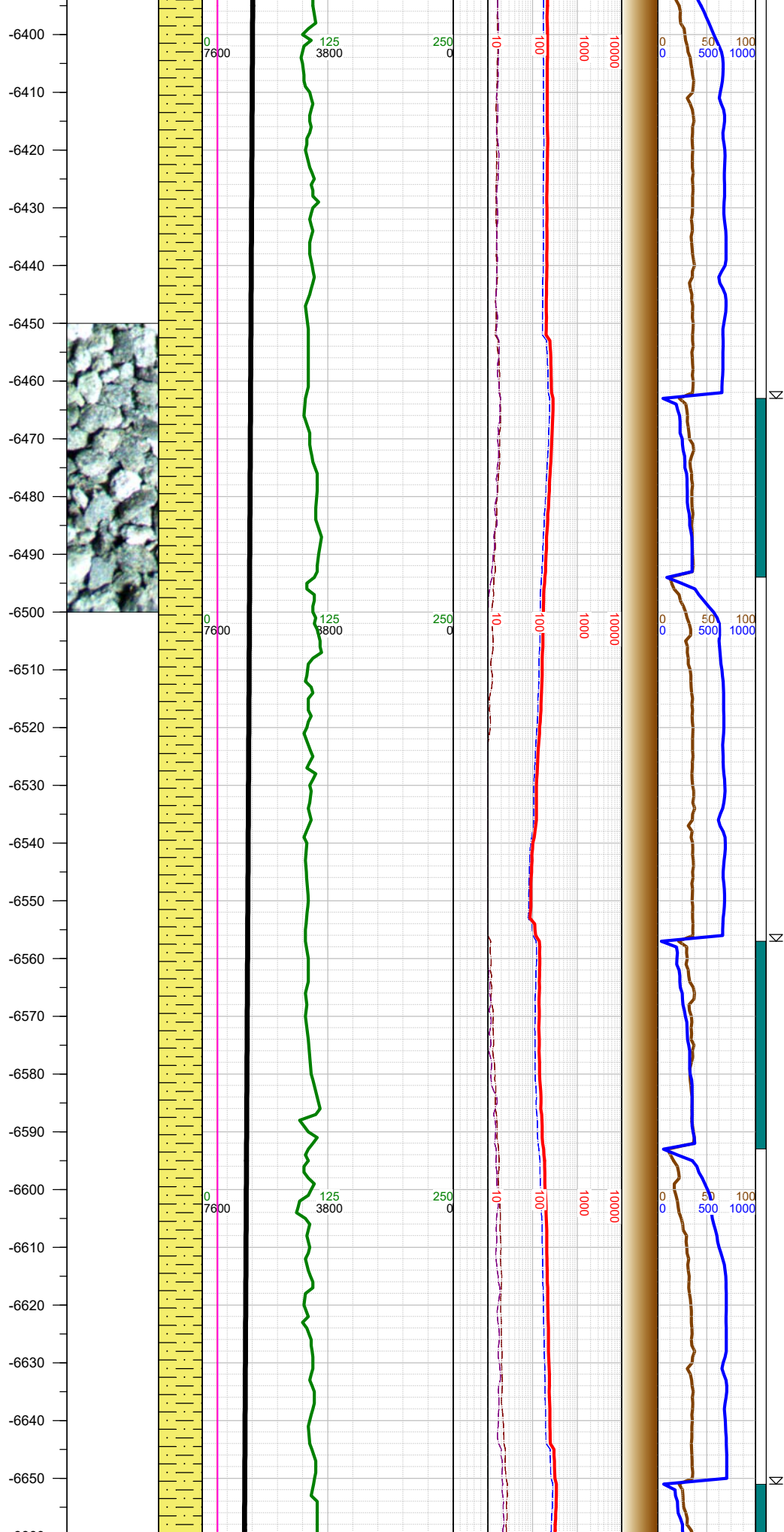
LEGEND



FORMATION \approx CONNECTION Δ MIDNIGHT NEW BIT GAS SHOW FAULT







-6397 INC 20,
AZM 323.98,
TVD 6077.34

-6410 WT 9, VIS
44

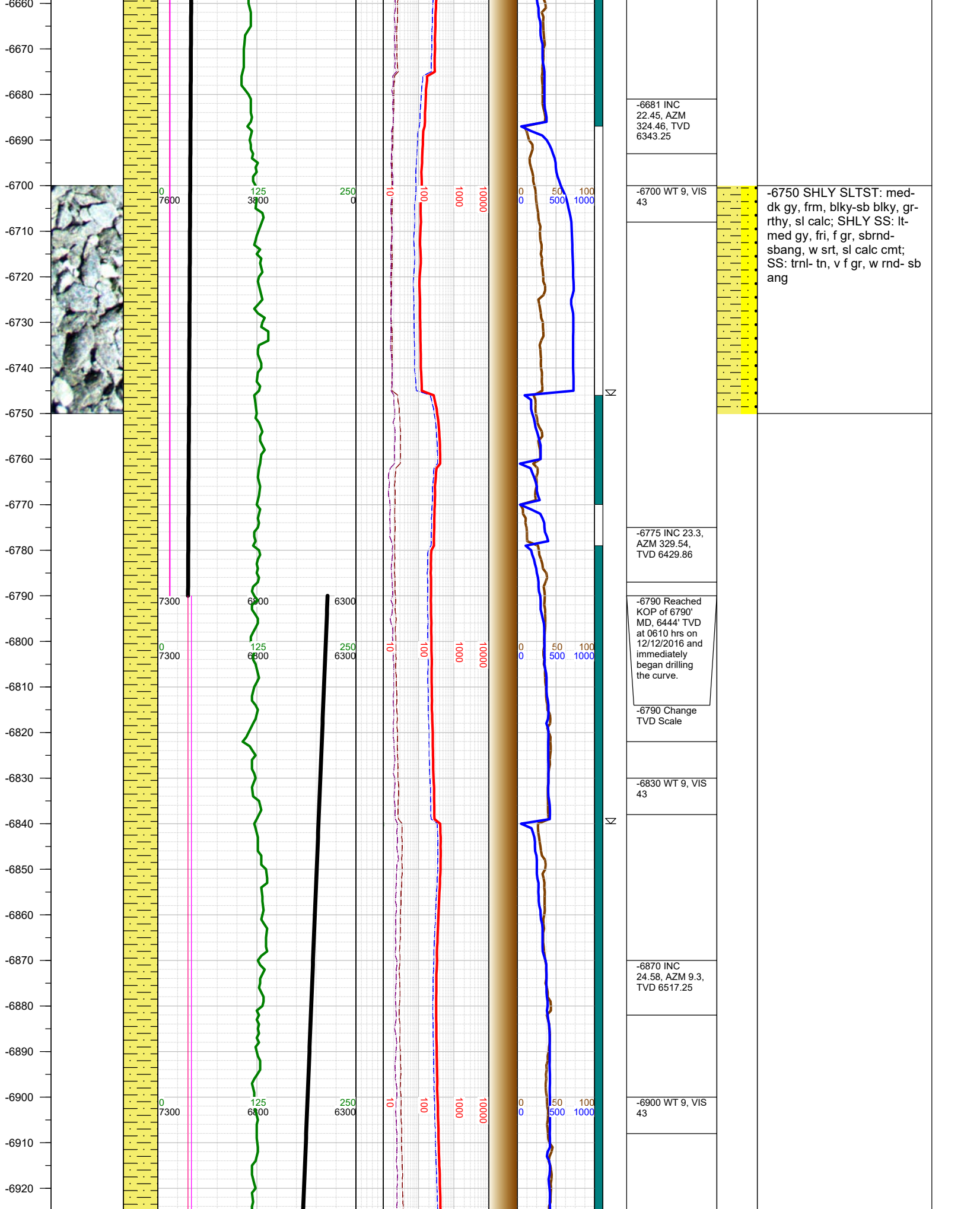
-6492 INC
19.94, AZM
324.31, TVD
6166.63

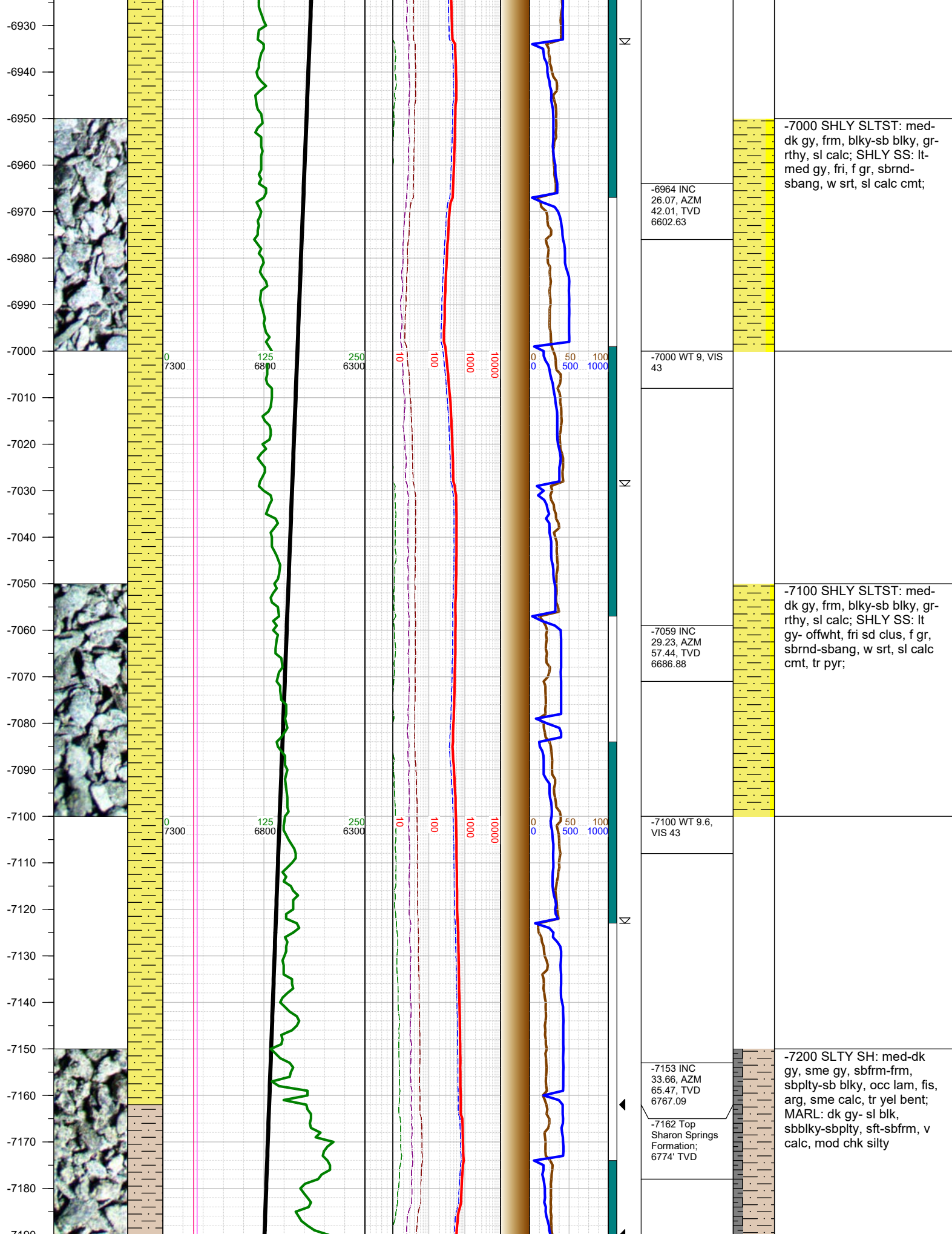
-6510 WT 9, VIS
43

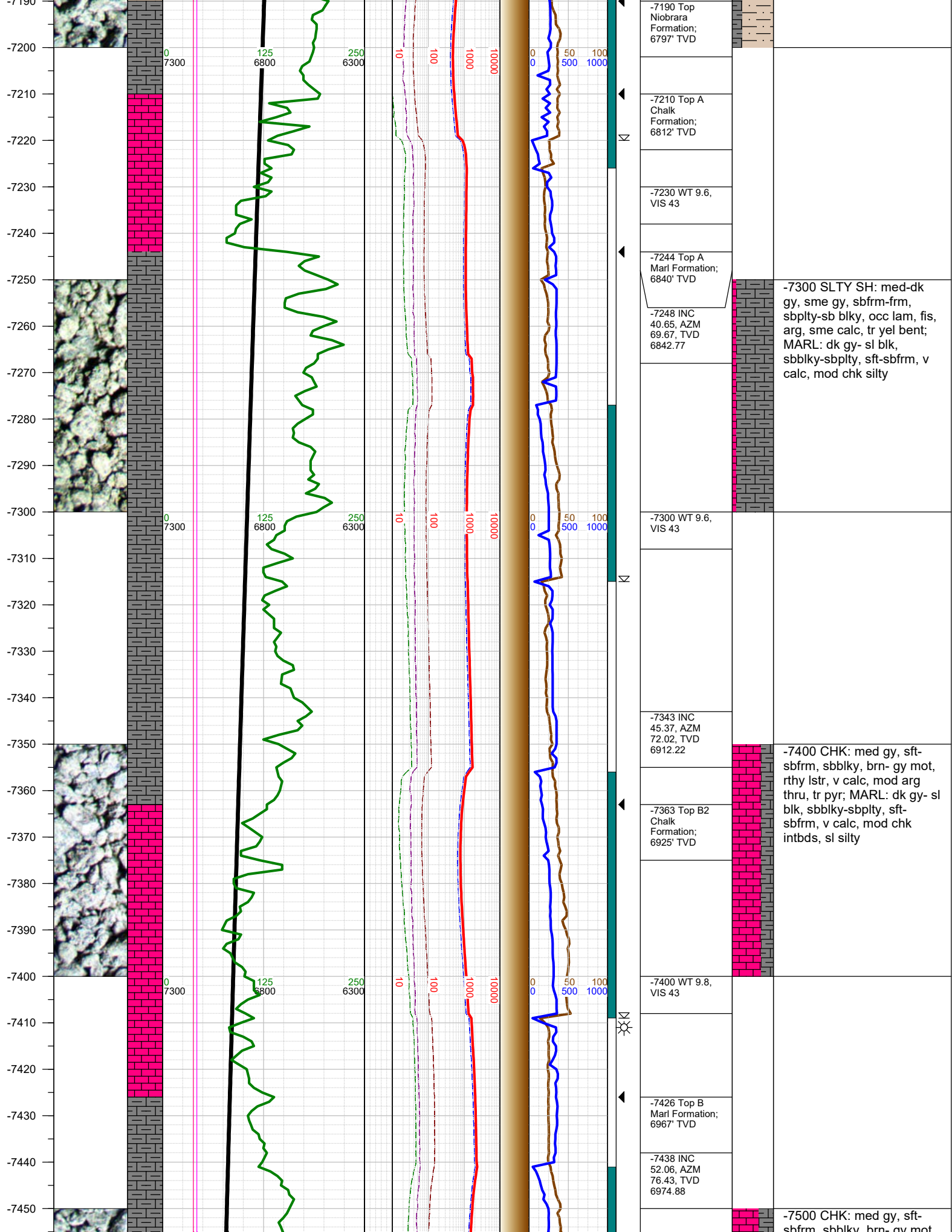
-6586 INC
20.49, AZM
321.58, TVD
6254.84

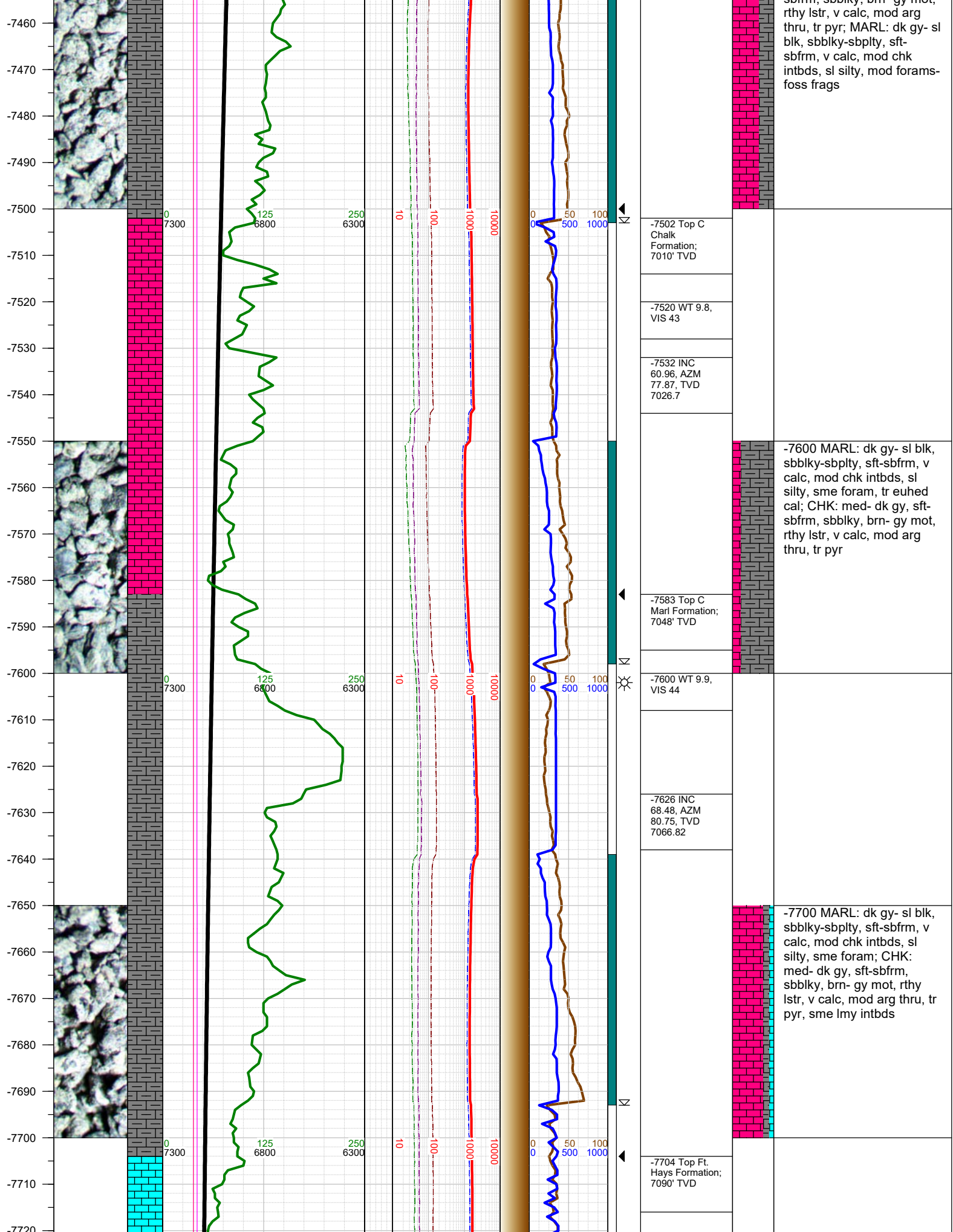
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43

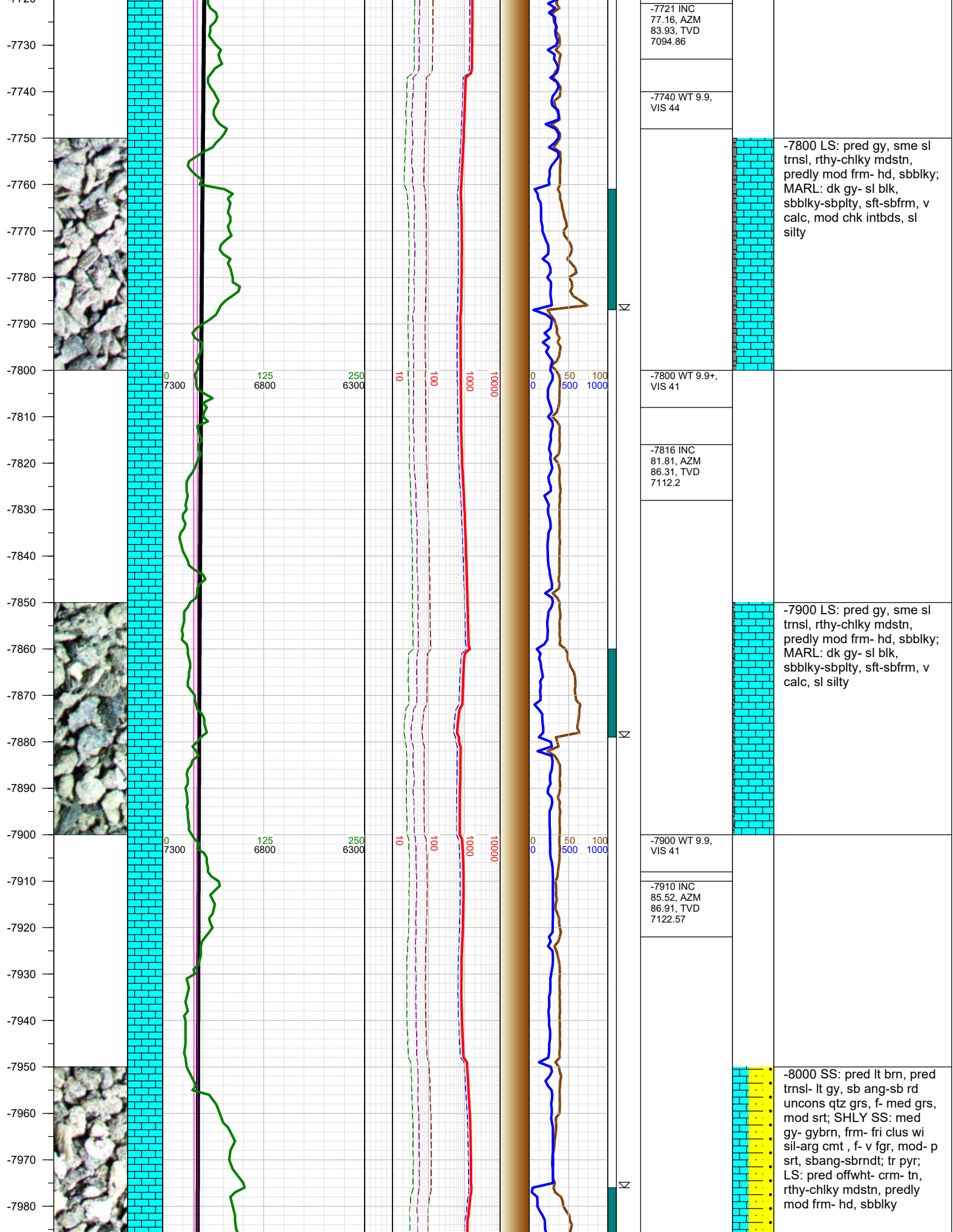
-6500 SHLY SLTST: med-
dk gy, frm, blk-y-sb blk-y, gr-
rthy, sl calc; SHLY SS: lt-
med gy, fri, f gr, sbrnd-
sbang, w srt, sl calc cmt;
SS: trnl- tn, v f gr, w rnd- sb
ang











-7721 INC
77.16, AZM
83.93, TVD
7094.86

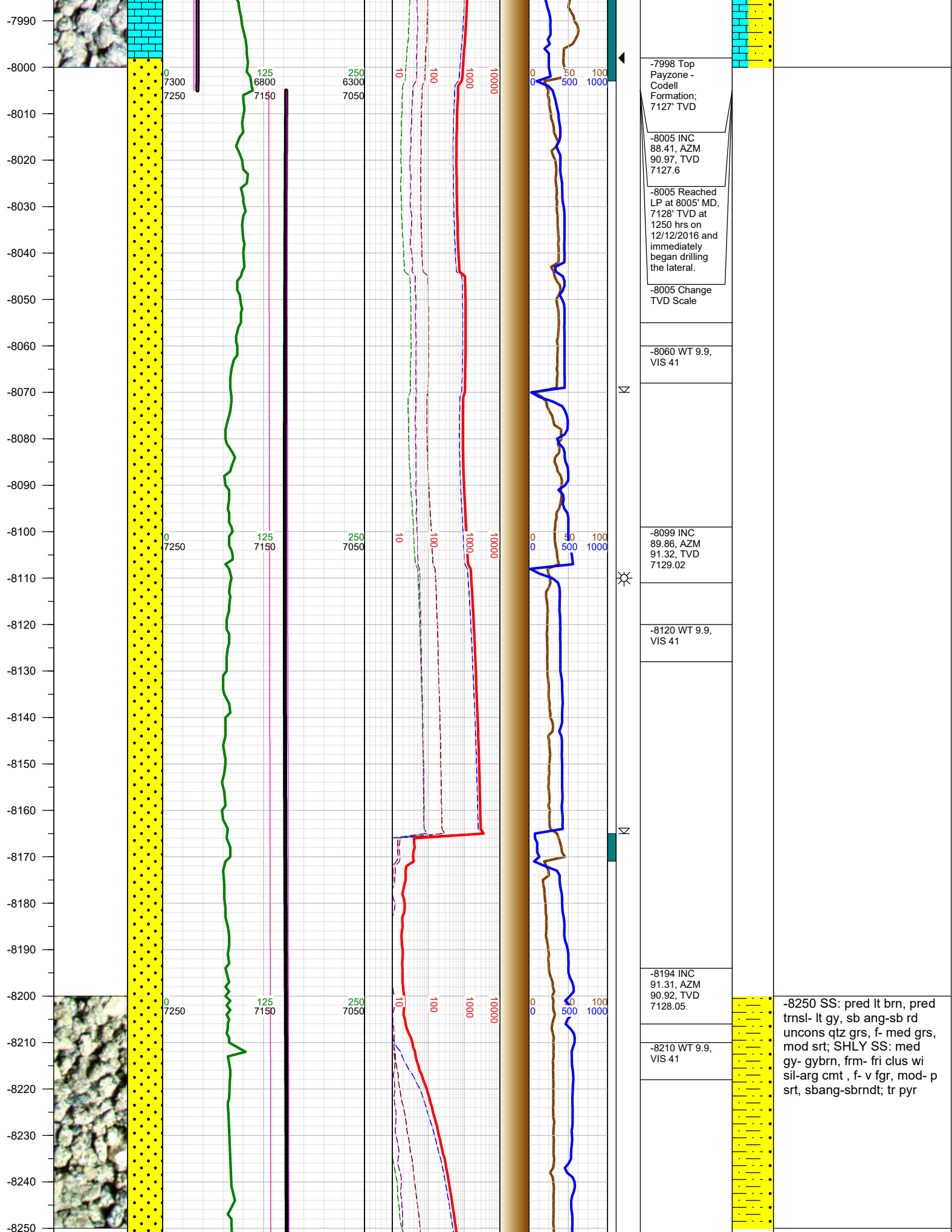
-7740 WT 9.9,
VIS 44

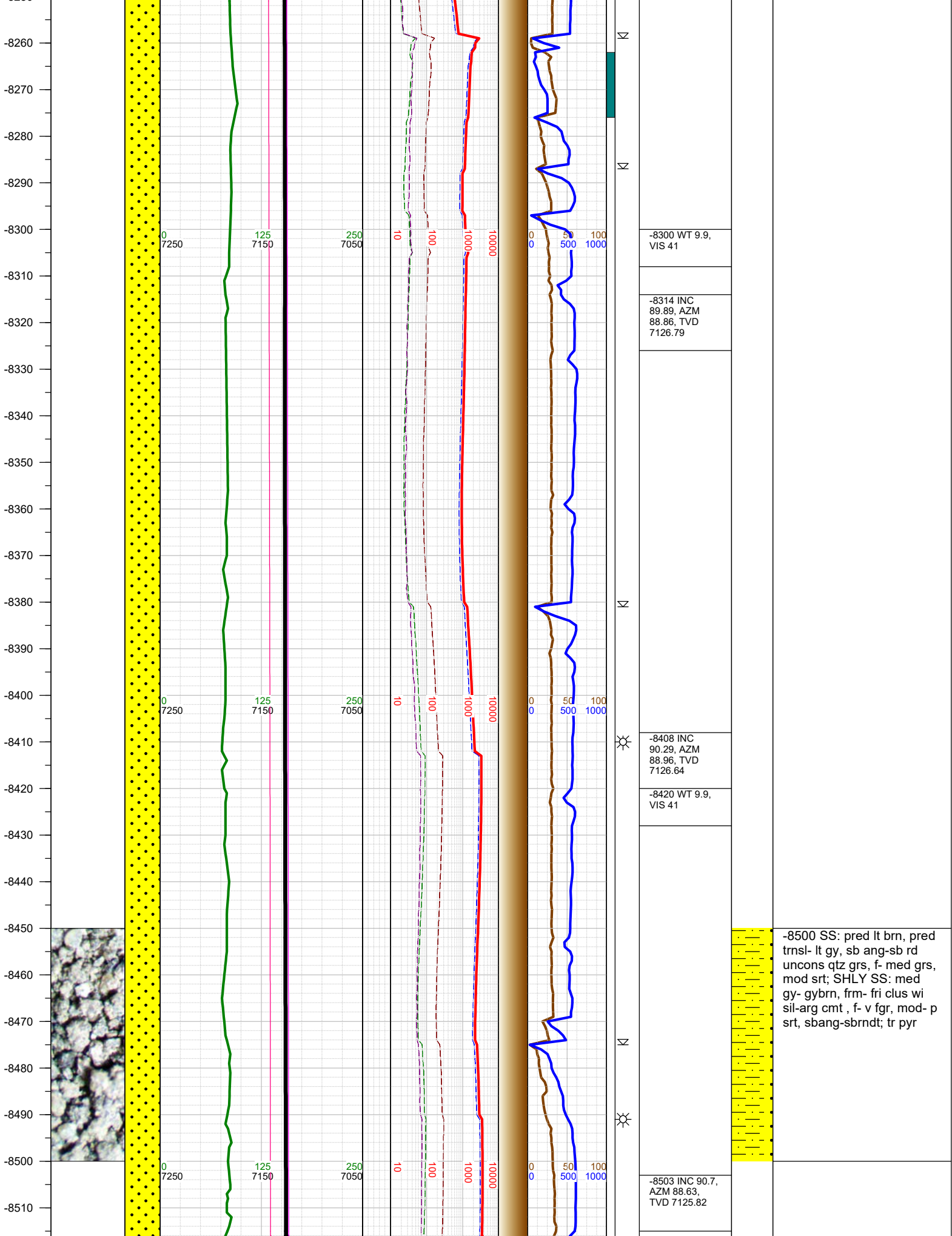
-7800 WT 9.9+,
VIS 41

-7816 INC
81.81, AZM
86.31, TVD
7112.2

-7900 WT 9.9,
VIS 41

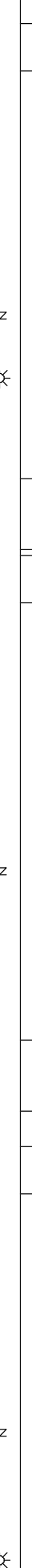
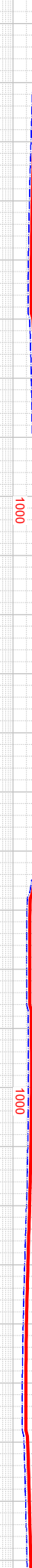
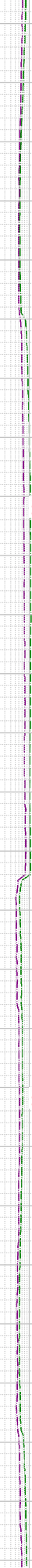
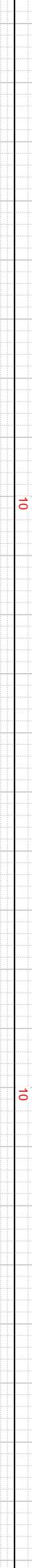
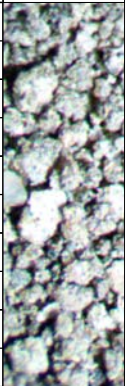
-7910 INC
85.52, AZM
86.91, TVD
7122.57





-8500 SS: pred lt brn, pred trnsl- lt gy, sb ang-sb rd uncons qtz grs, f- med grs, mod srt; SHLY SS: med gy- gybrn, frm- fri clus wi sil-arg cmt , f- v fgr, mod- p srt, sbang-sbrndt; tr pyr

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-8520 WT 10,
VIS 43

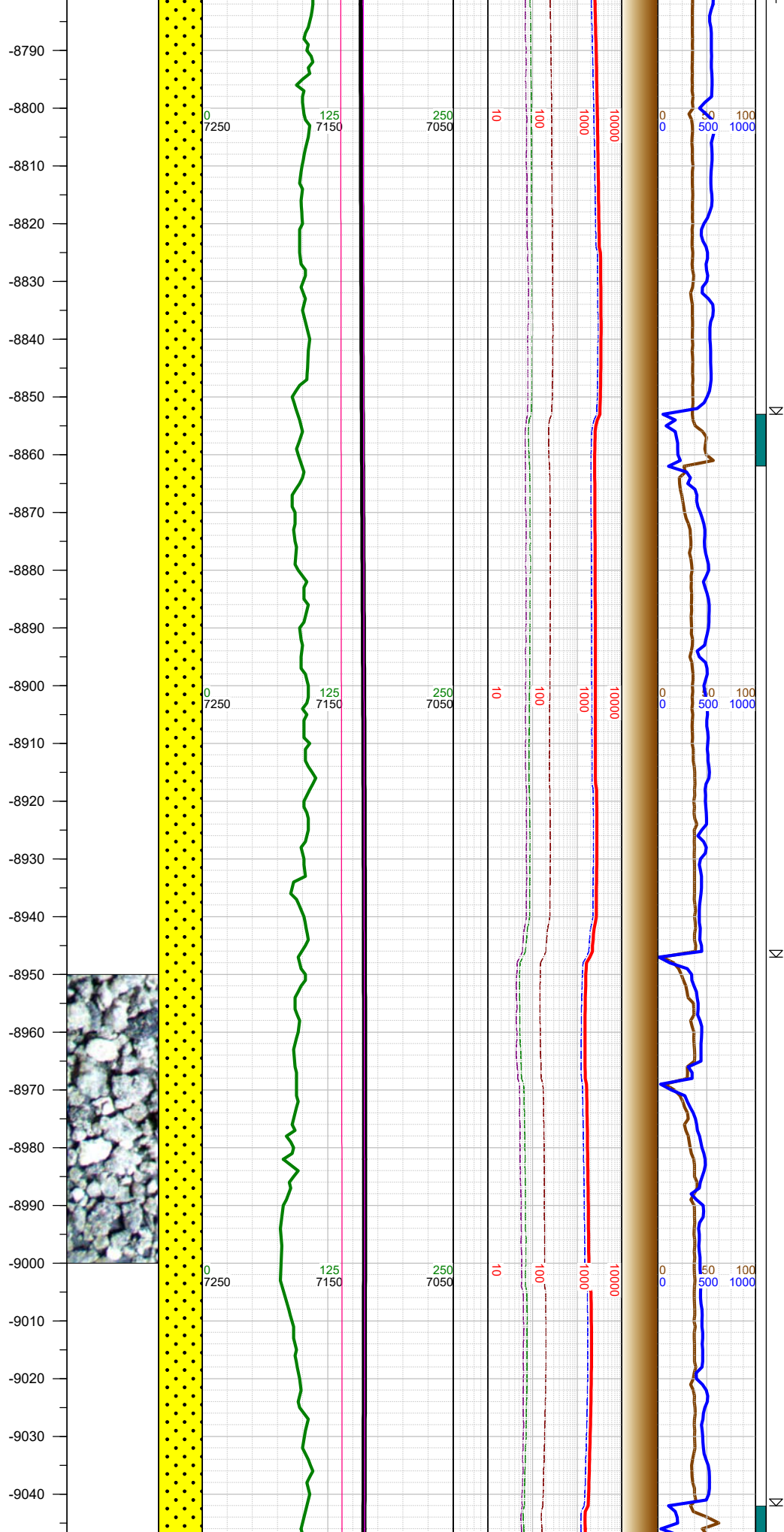
-8597 INC
90.47, AZM
88.02, TVD
7124.86

-8610 WT 10,
VIS 43

-8692 INC
90.45, AZM
90.28, TVD
7124.1

-8710 WT 10,
VIS 43

-8750 SS: pred lt brn, pred
trns- lt gy, sb ang-sb rd
uncons qtz grs, f- med grs,
mod srt; SHLY SS: med
gy- gybrn, frm- fri clus wi
sil-arg cmt , f- v fgr, mod- p
srt, sbang-sbrndt; tr pyr



-8786 INC
90.37, AZM
90.22, TVD
7123.43

-8800 WT 10,
VIS 43

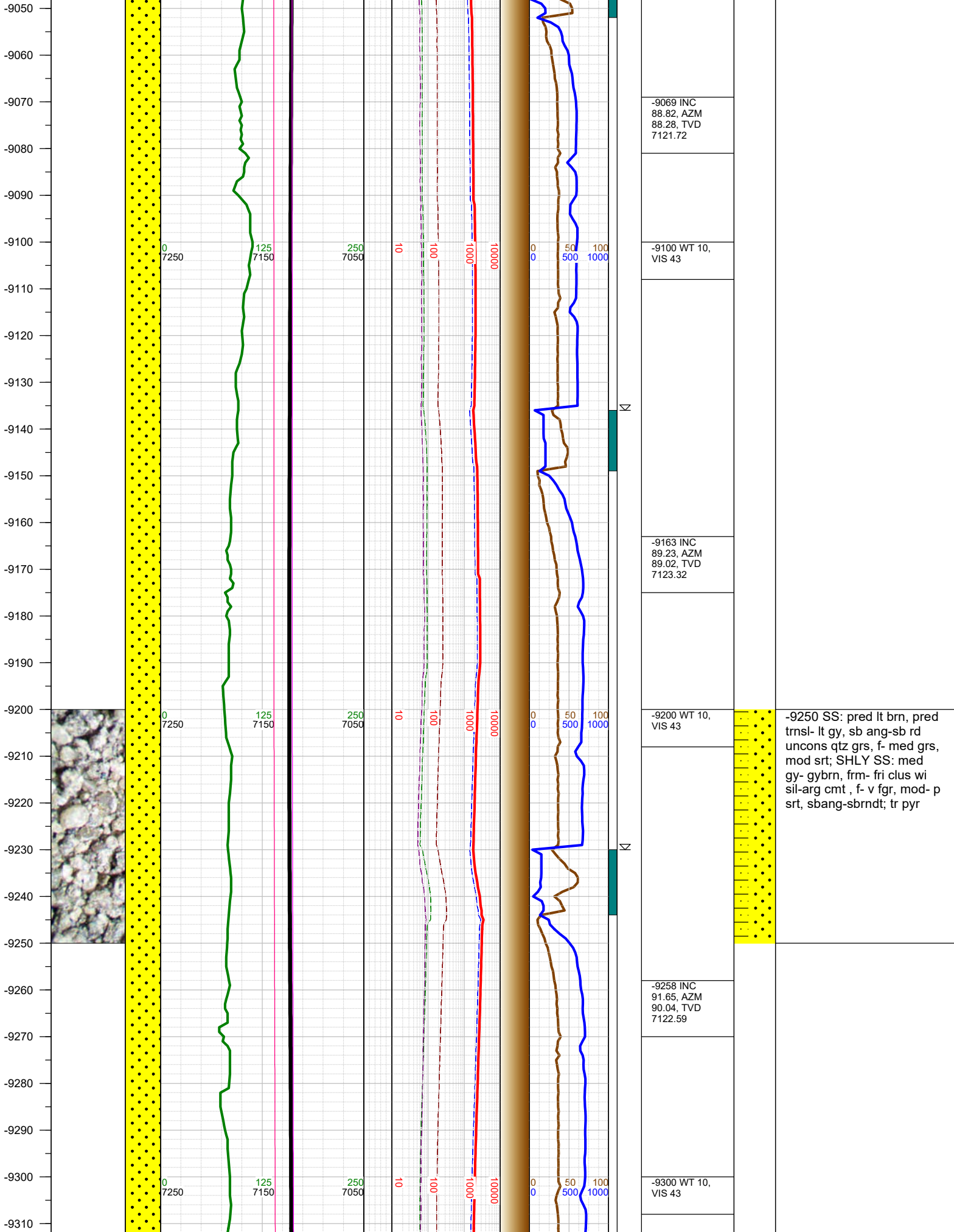
-8880 INC 91.4,
AZM 90.26,
TVD 7121.98

-8900 WT 10,
VIS 43

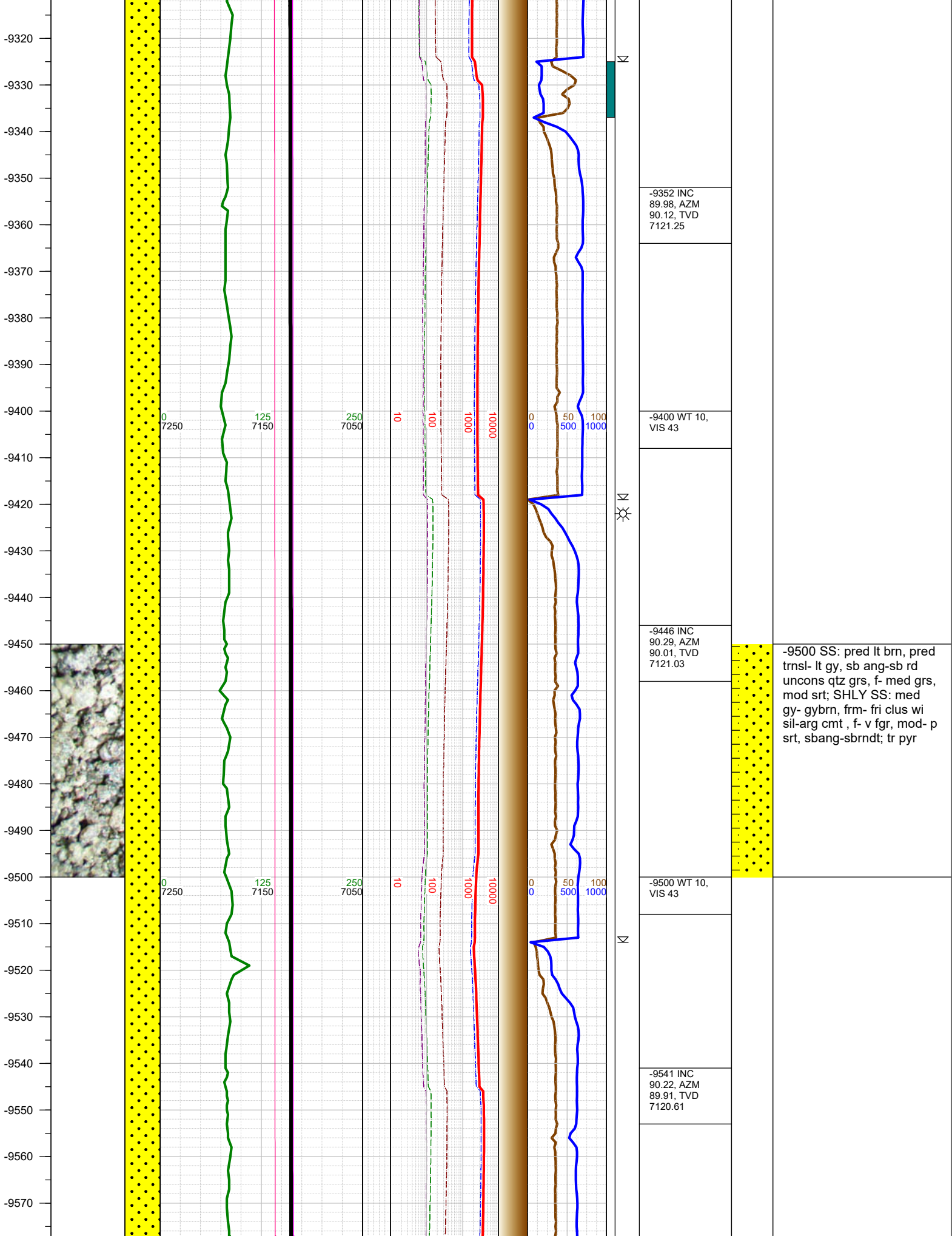
-8975 INC
90.04, AZM
87.06, TVD
7120.78

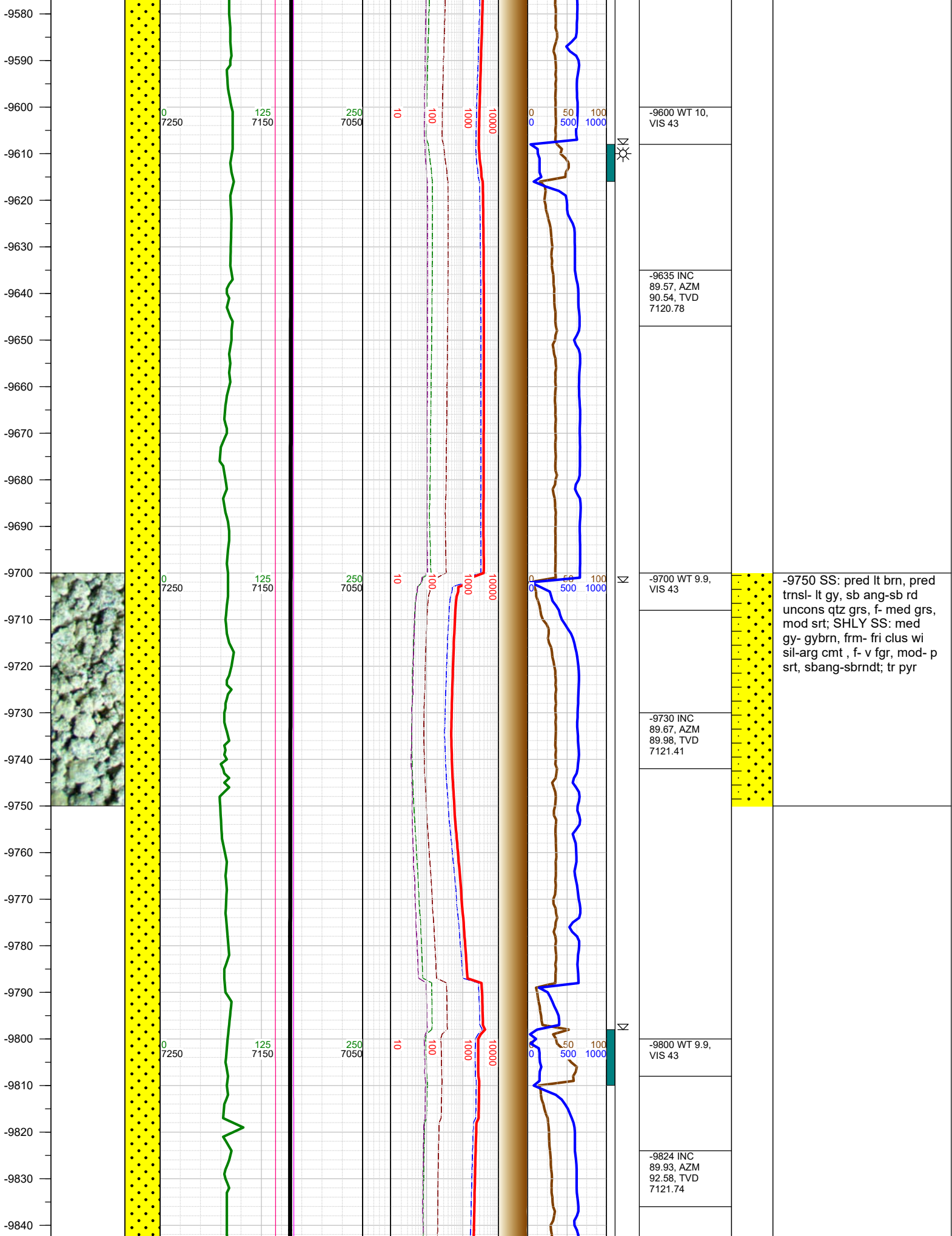
-9000 WT 10,
VIS 43

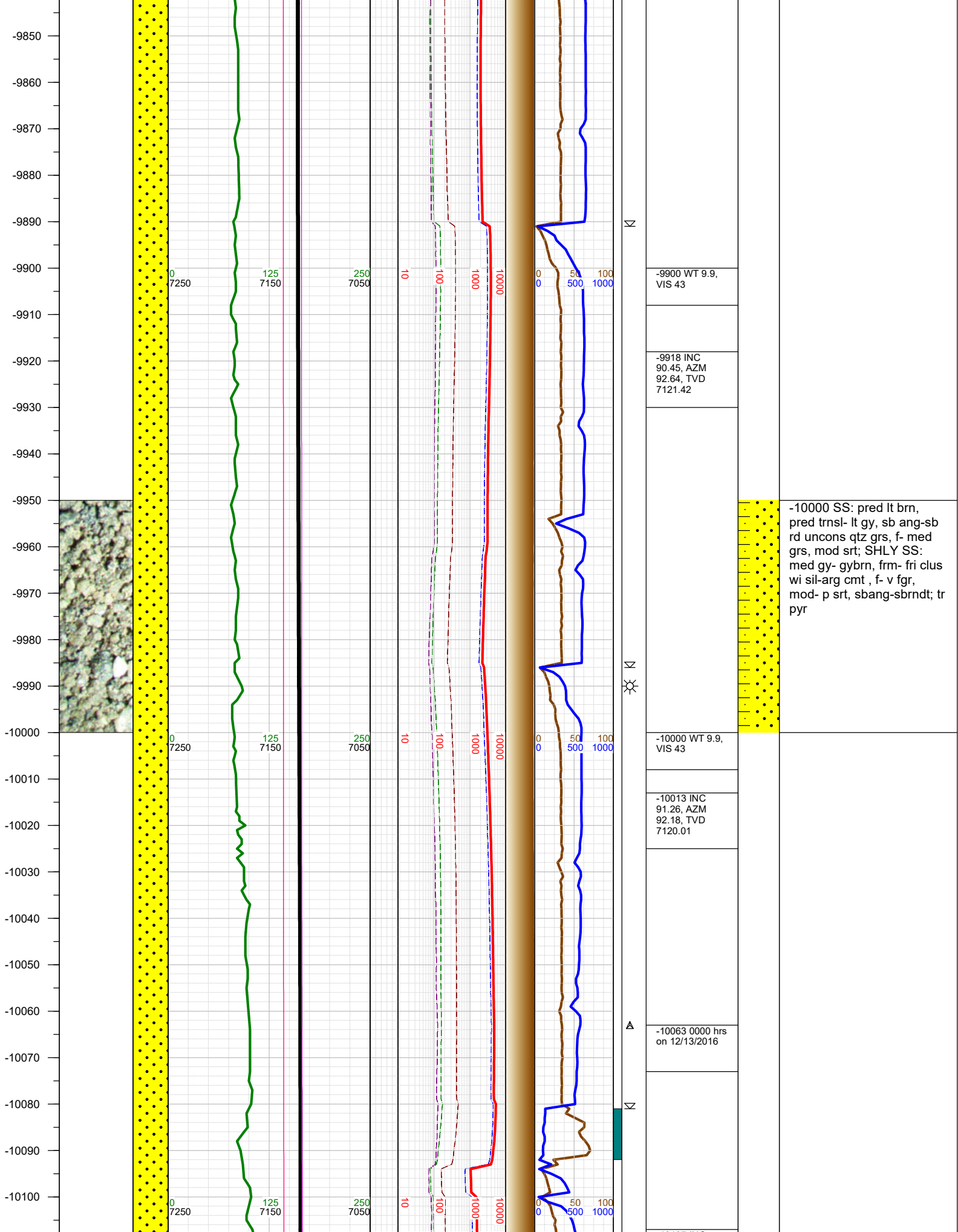
-9000 SS: pred lt brn, pred
trns- lt gy, sb ang-sb rd
uncons qtz grs, f- med grs,
mod srt; SHLY SS: med
gy- gybrn, frm- fri clus wi
sil-arg cmt , f- v fgr, mod- p
srt, sbang-sbrndt; tr pyr

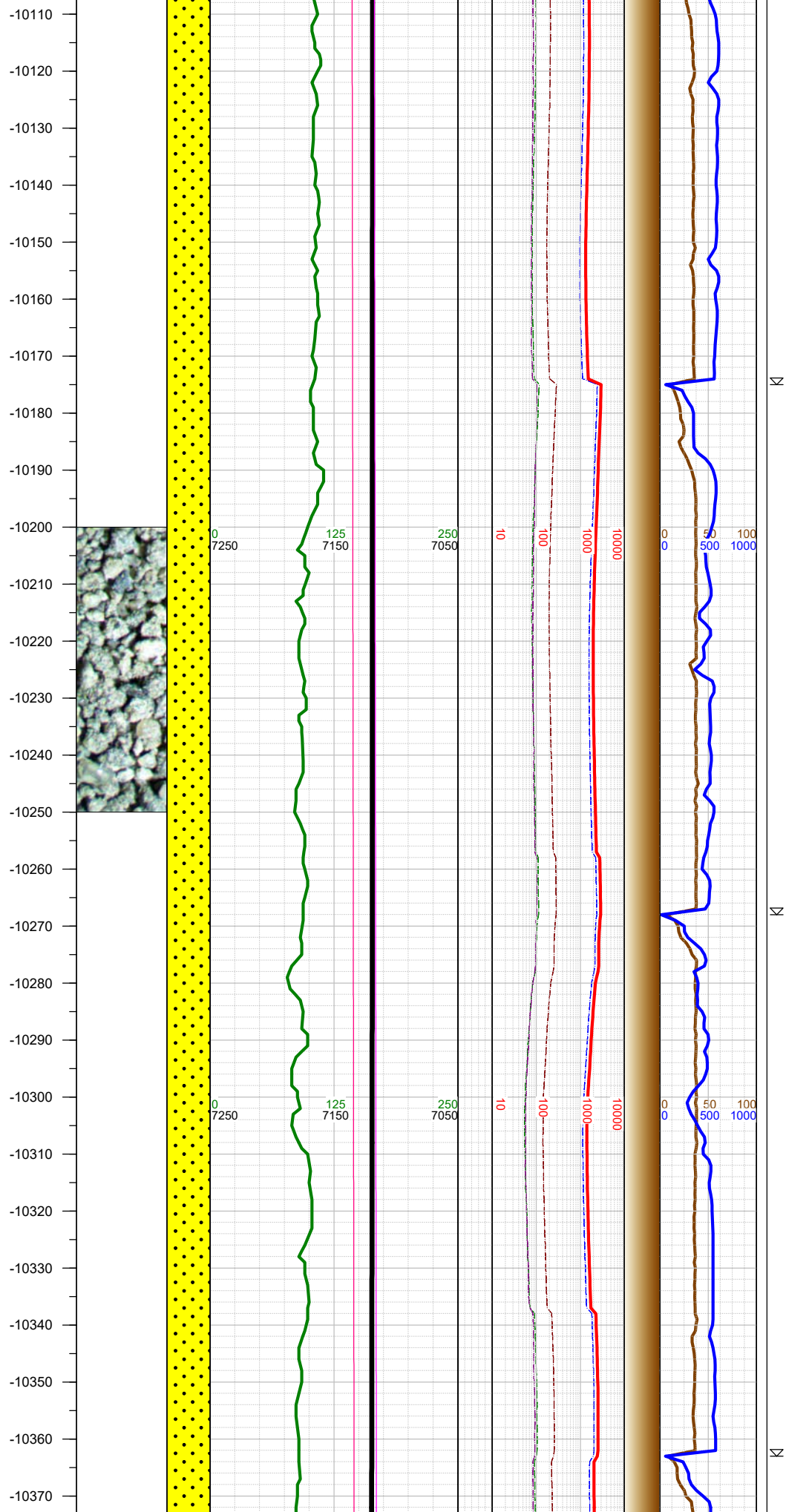


-9250 SS: pred lt brn, pred trnsl- lt gy, sb ang-sb rd uncons qtz grs, f- med grs, mod srt; SHLY SS: med gy- gybrn, frm- fri clus wi sil-arg cmt , f- v fgr, mod- p srt, sbang-sbrndt; tr pyr

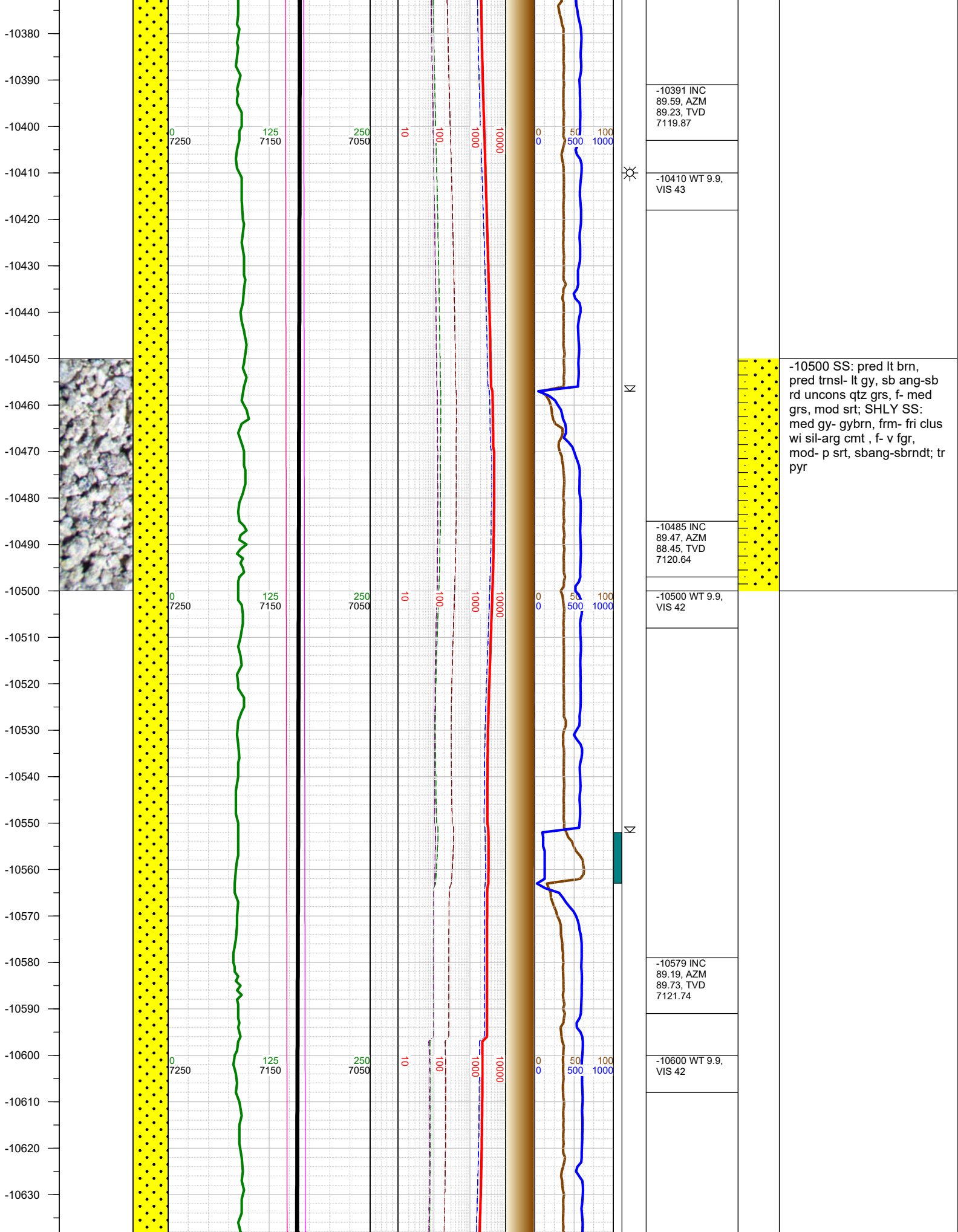


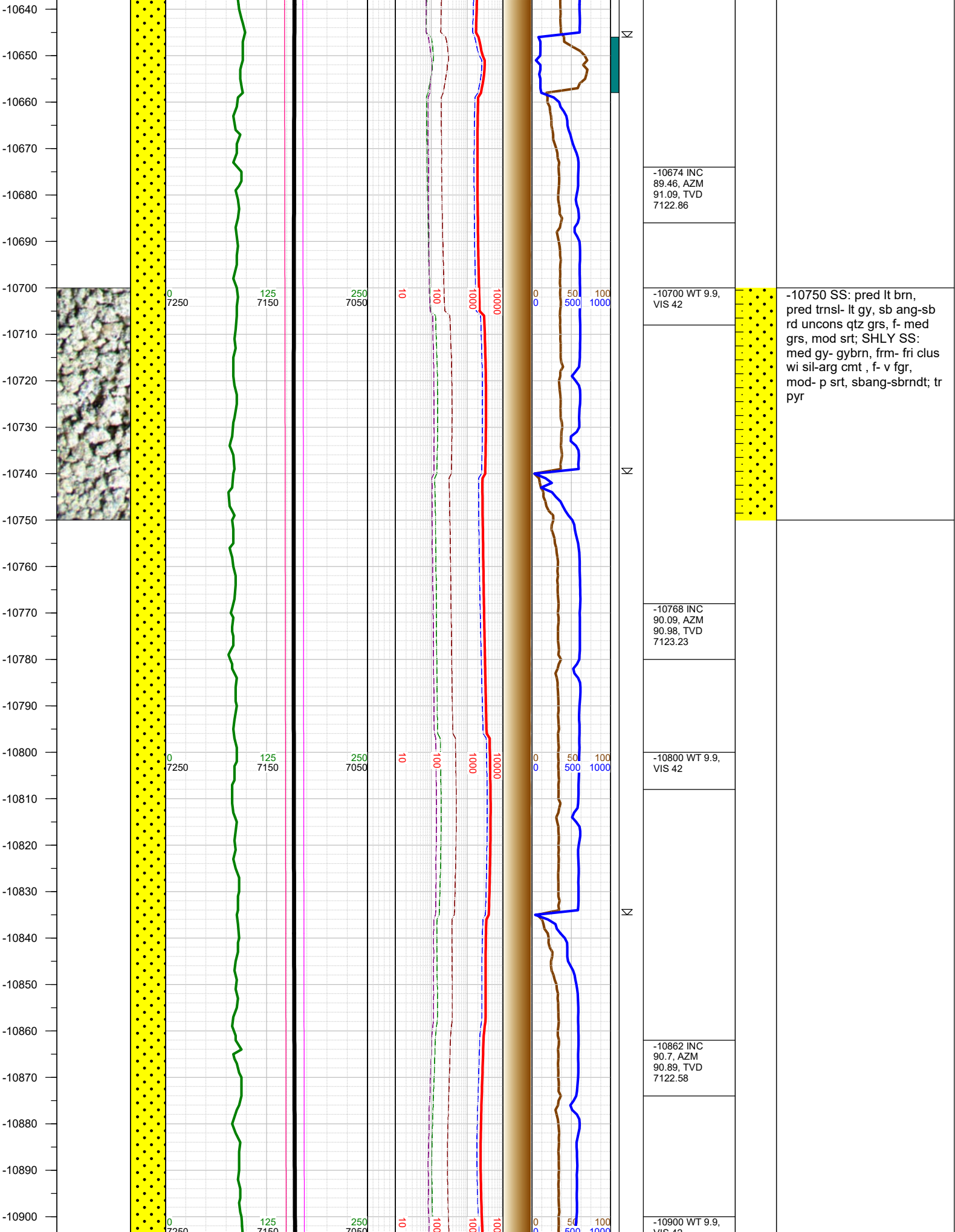


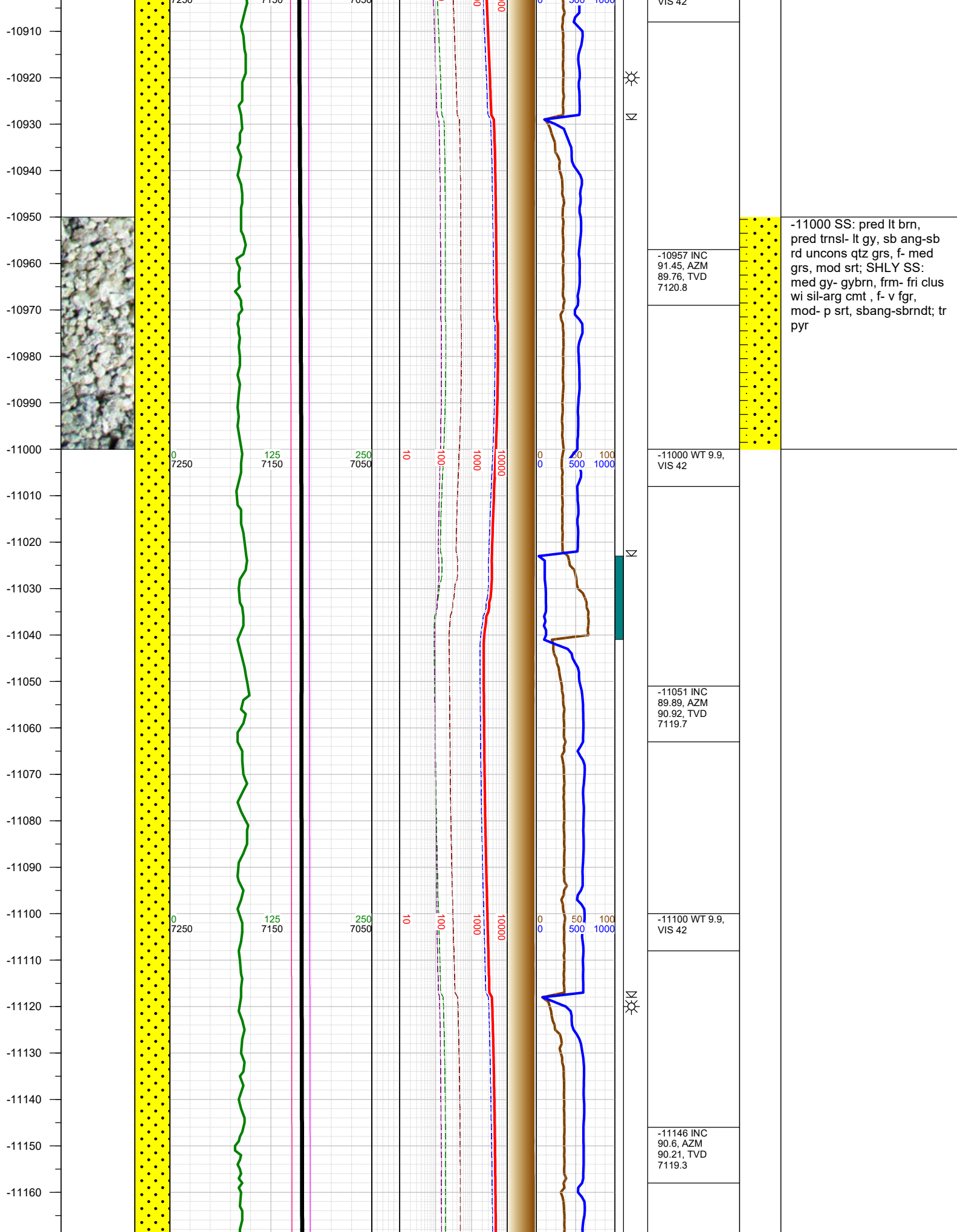


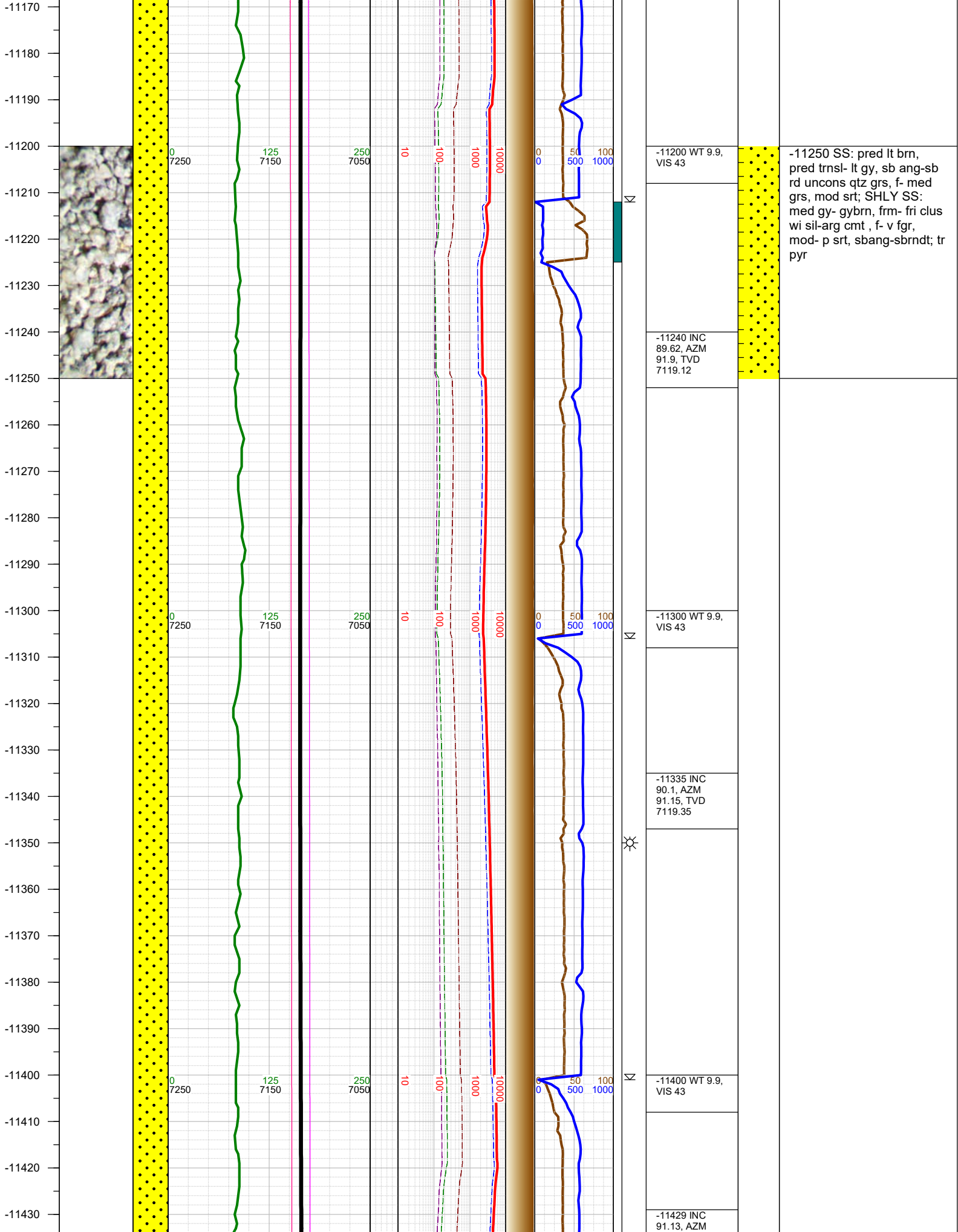


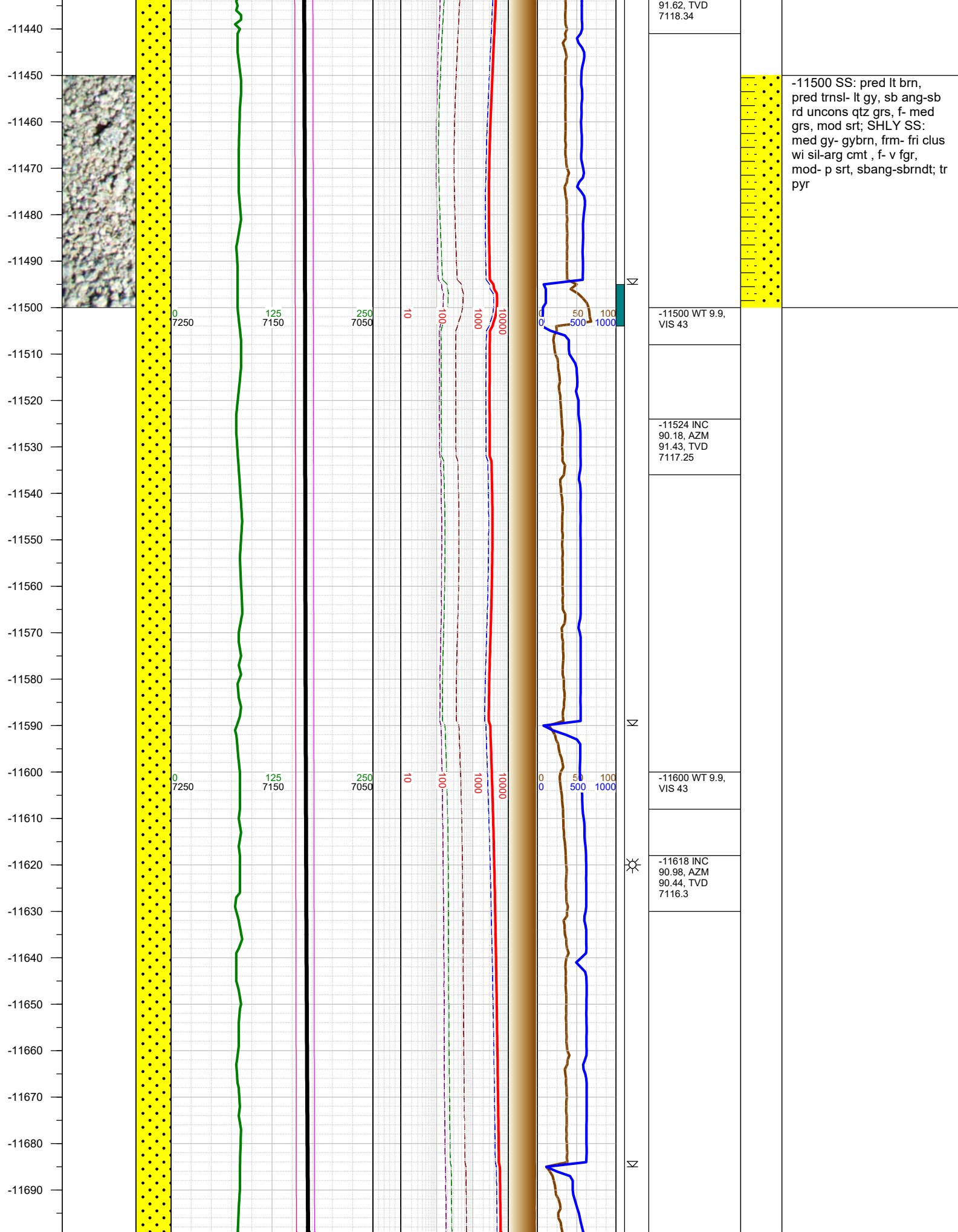
-10107 INC 89.89, AZM 91.22, TVD 7119.06		
-10120 WT 9.9, VIS 43		
-10202 INC 90, AZM 90.87, TVD 7119.15		-10250 SS: pred lt brn, pred trnsf- lt gy, sb ang-sb rd unconsl qtz grs, f- med grs, mod srt; SHLY SS: med gy- gybrn, frm- fri clus wi sil-arg cmt , f- v fgr, mod- p srt, sbang-sbrndt; tr pyr
-10220 WT 9.9, VIS 43		
-10296 INC 89.77, AZM 89.67, TVD 7119.34		
-10310 WT 9.9, VIS 43		

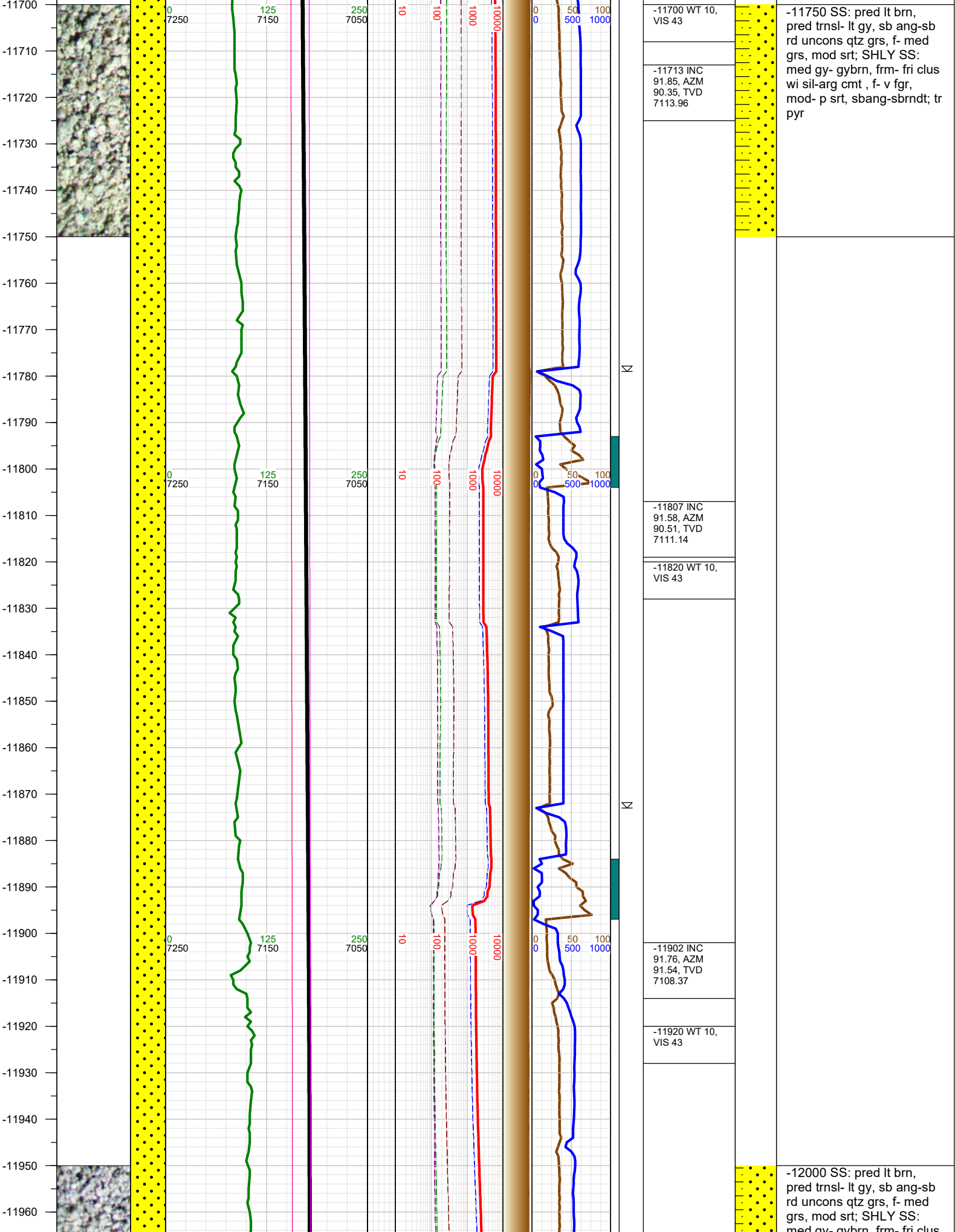


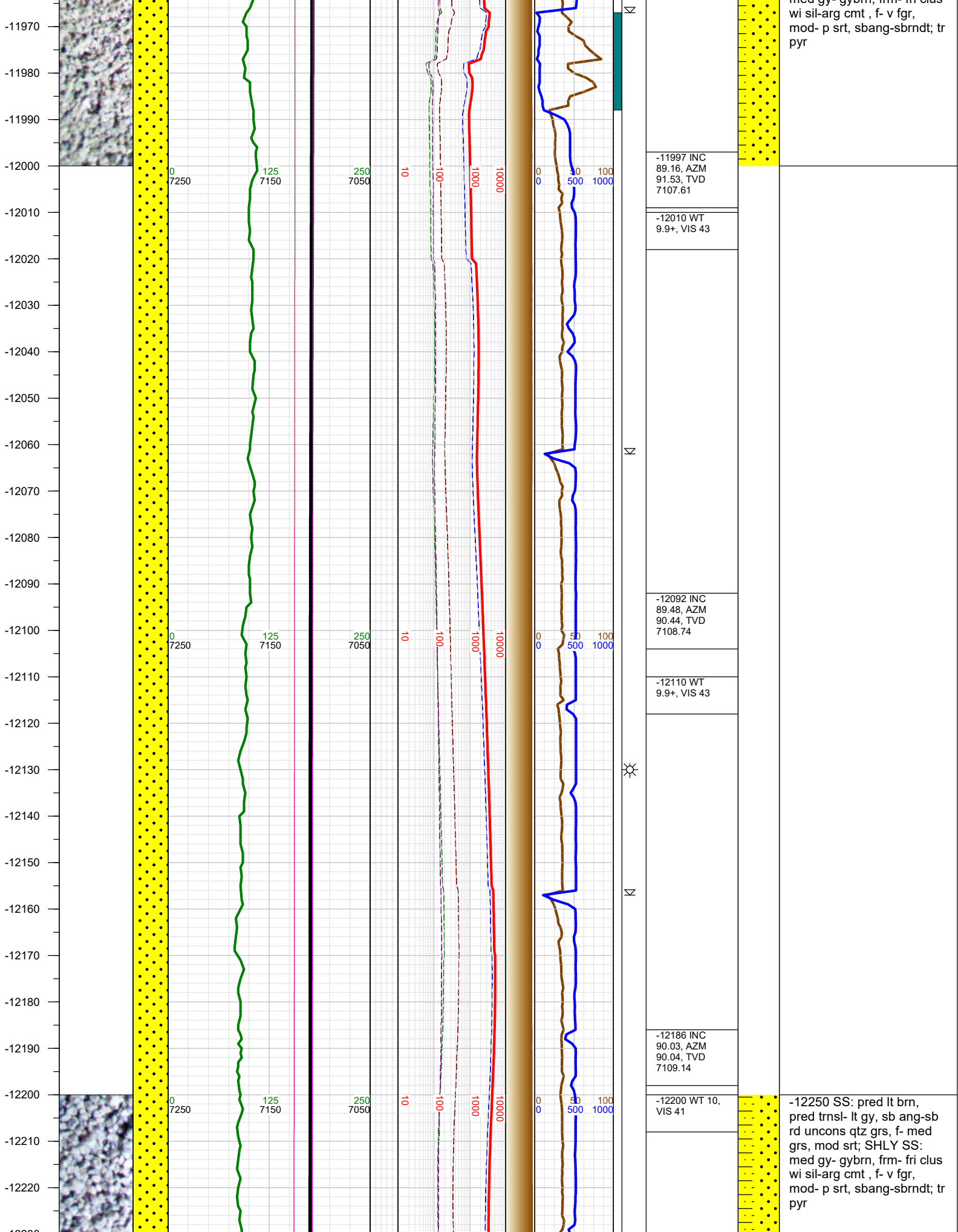


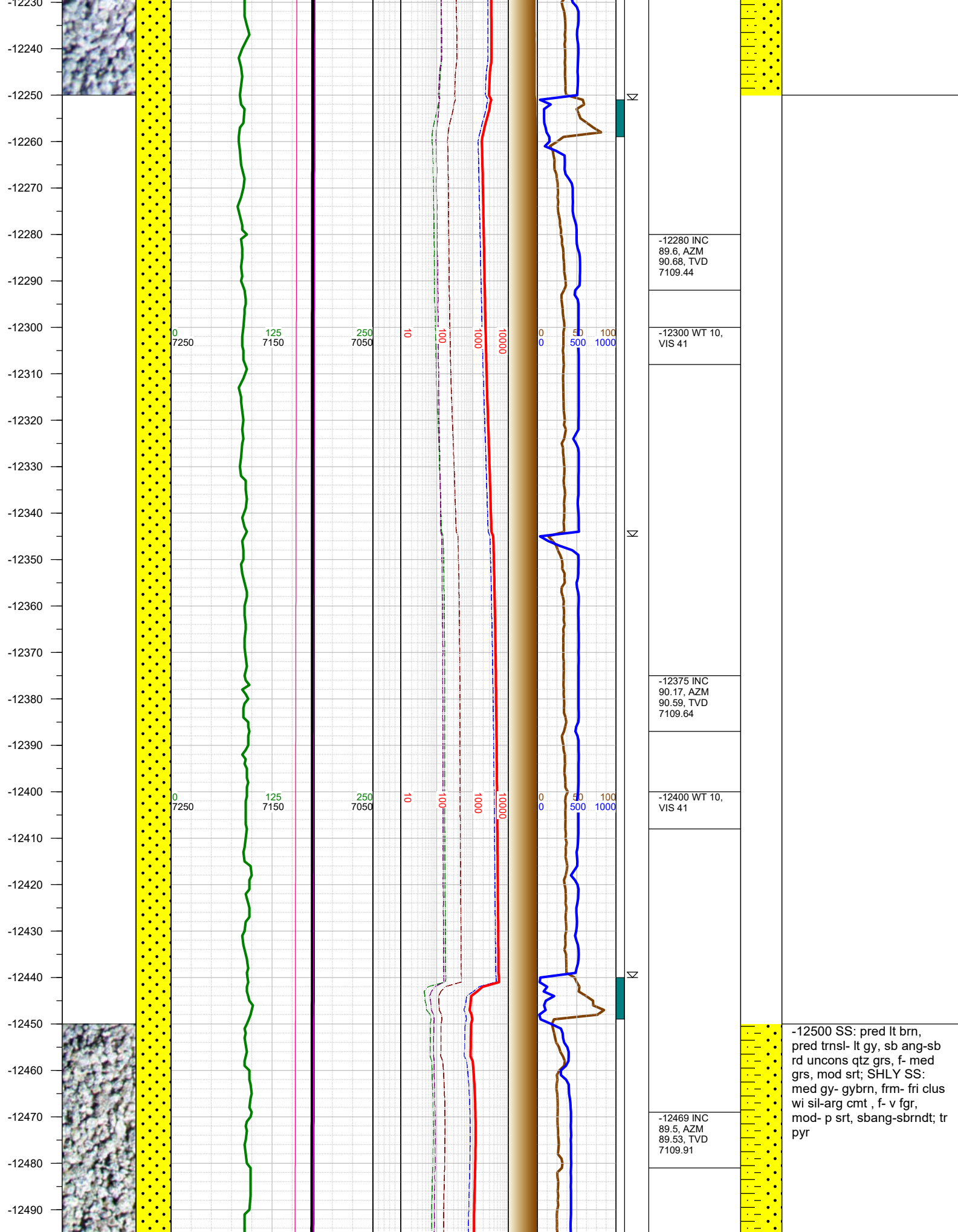


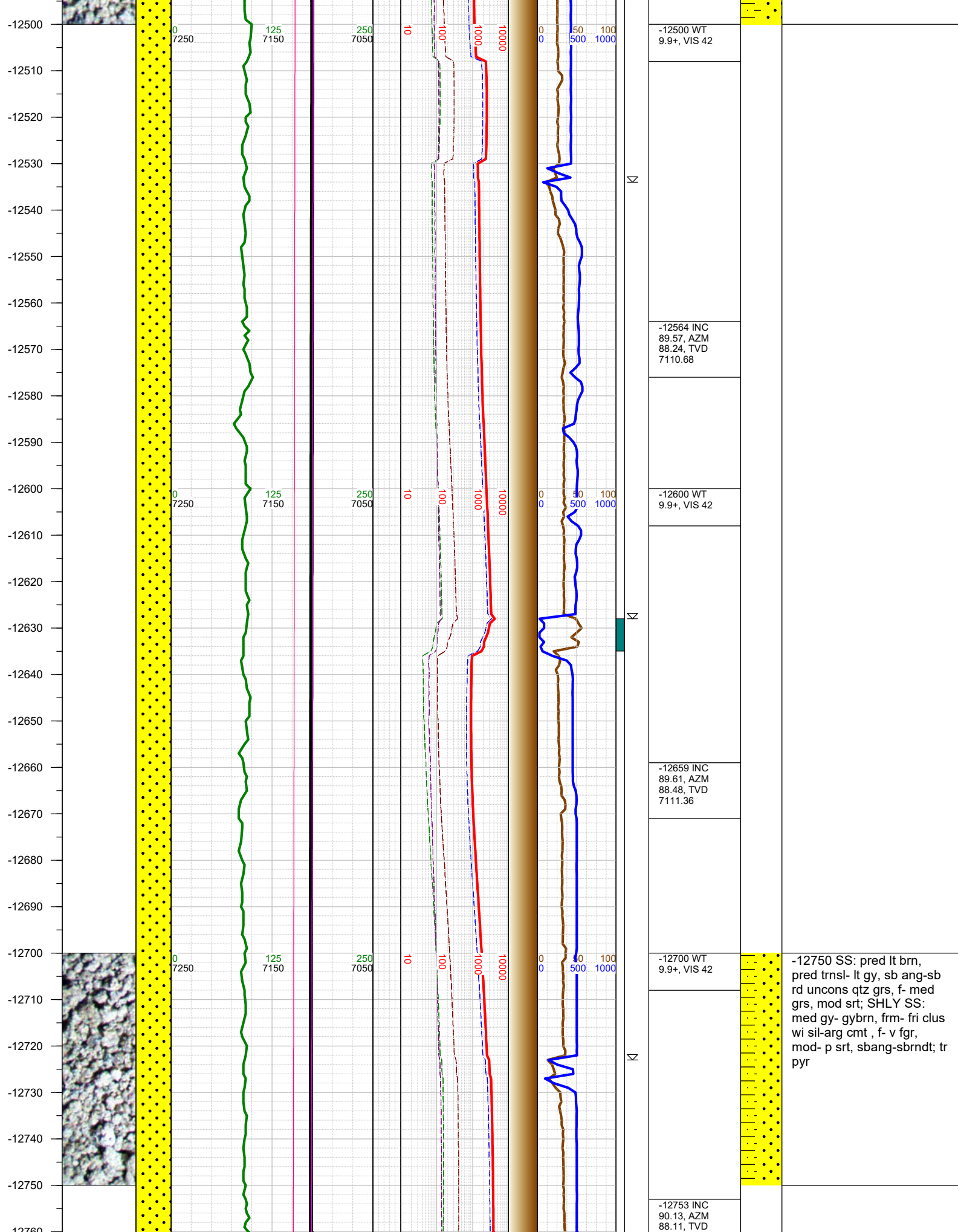




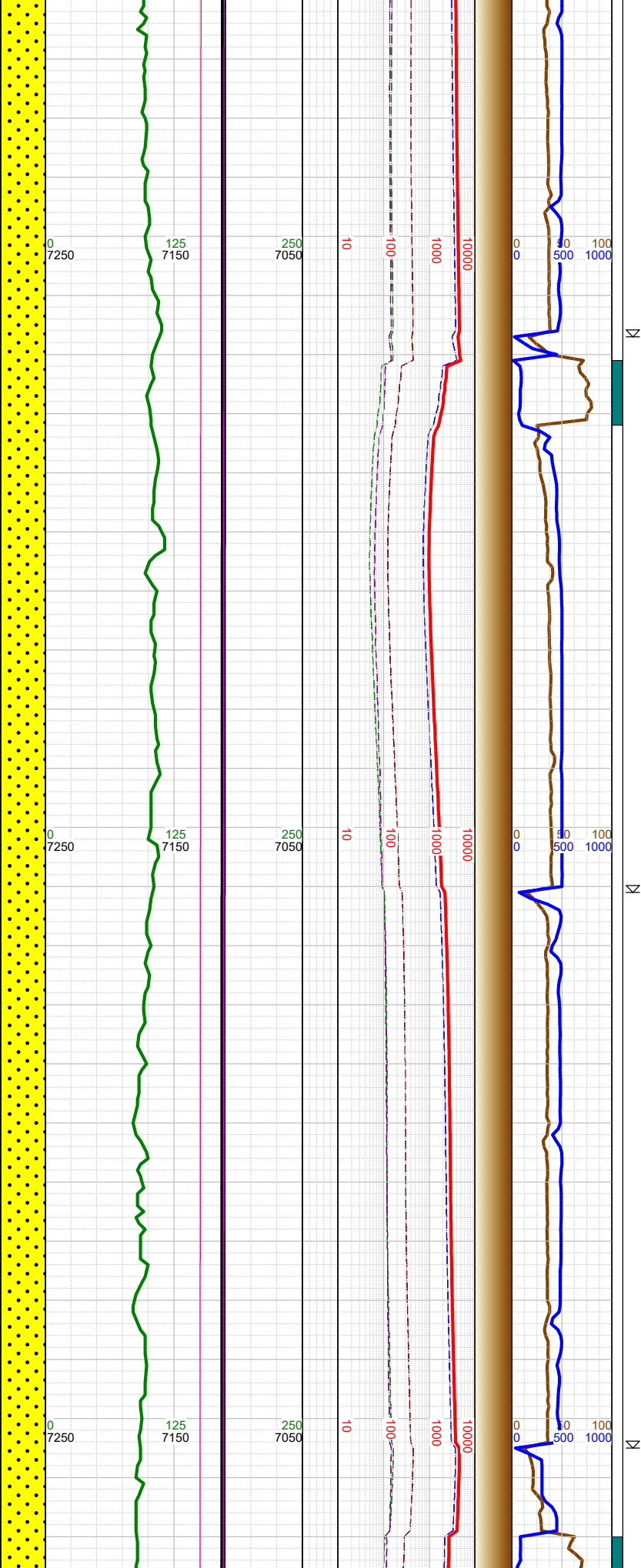
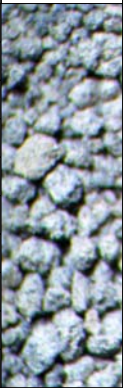




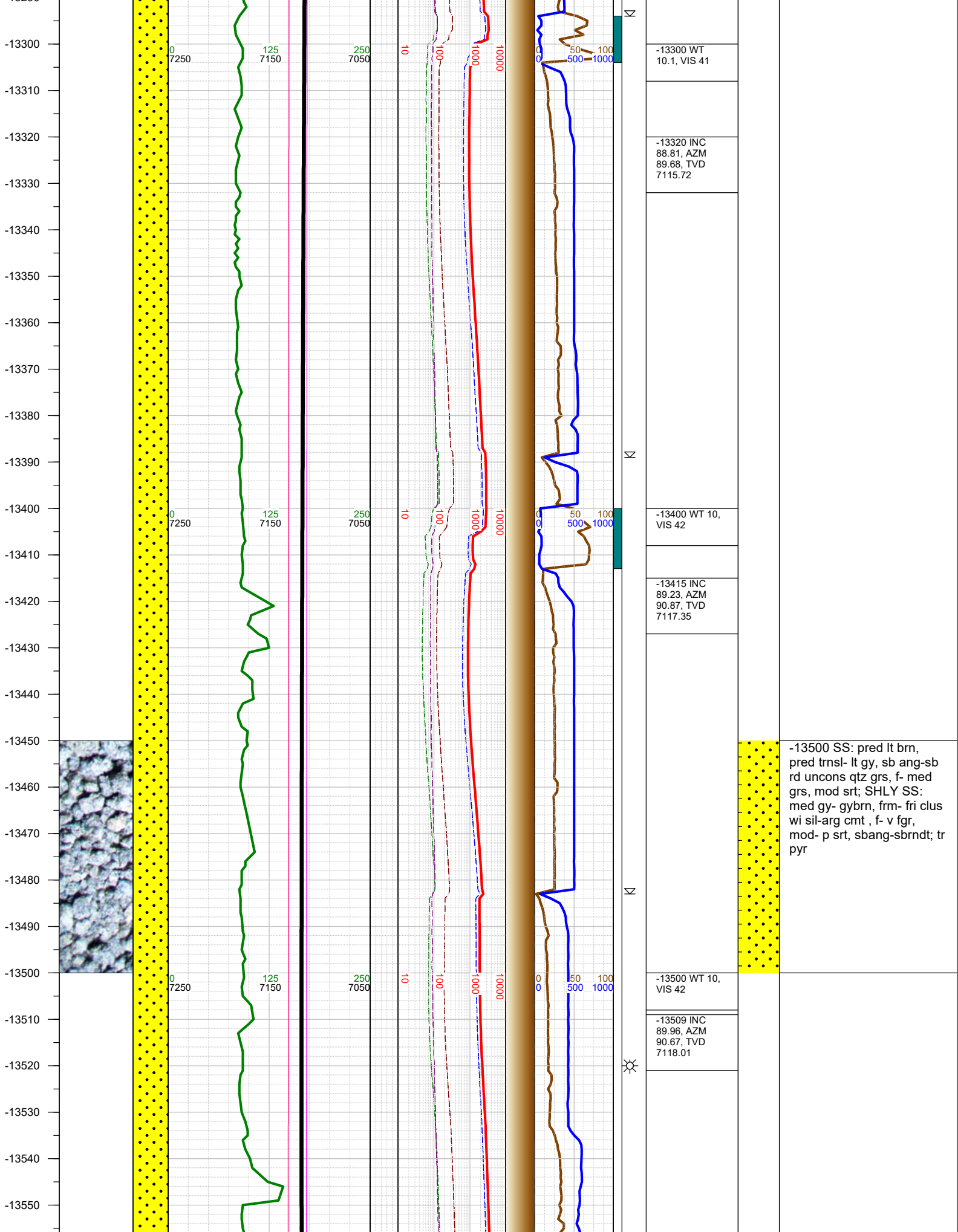




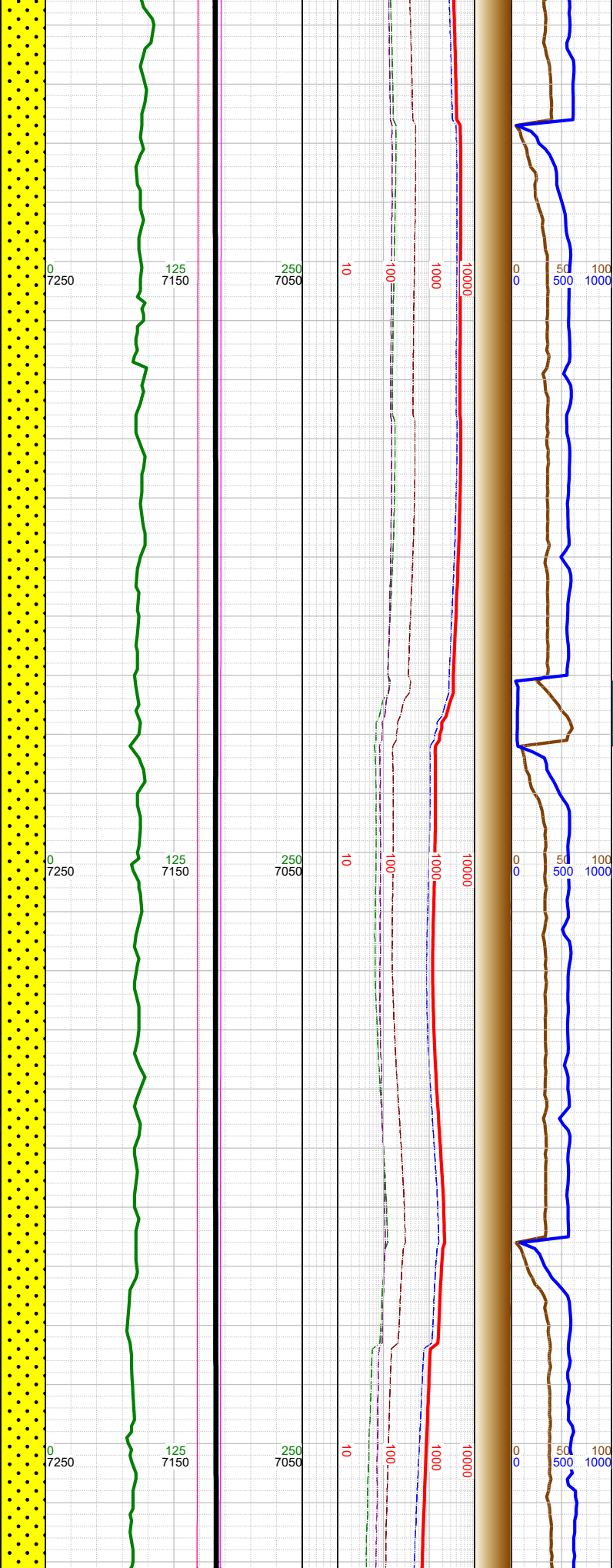
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7111.57	
-12800 WT 10.1, VIS 41	
-12847 INC 89.79, AZM 89.34, TVD 7111.64	
-12900 WT 10.1, VIS 41	
-12942 INC 89.86, AZM 88.49, TVD 7111.93	
-13000 WT 10.1, VIS 41	-13000 SS: pred lt brn, pred trns- lt gy, sb ang-sb rd uncons qtz grs, f- med grs, mod srt; SHLY SS: med gy- gybrn, frm- fri clus wi sil-arg cmt , f- v fgr, mod- p srt, sbang-sbrndt; tr pyr



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-13603 INC
90.37, AZM
89.97, TVD
7117.74

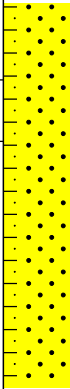
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VIS 42

-13698 INC
89.76, AZM
90.74, TVD
7117.63

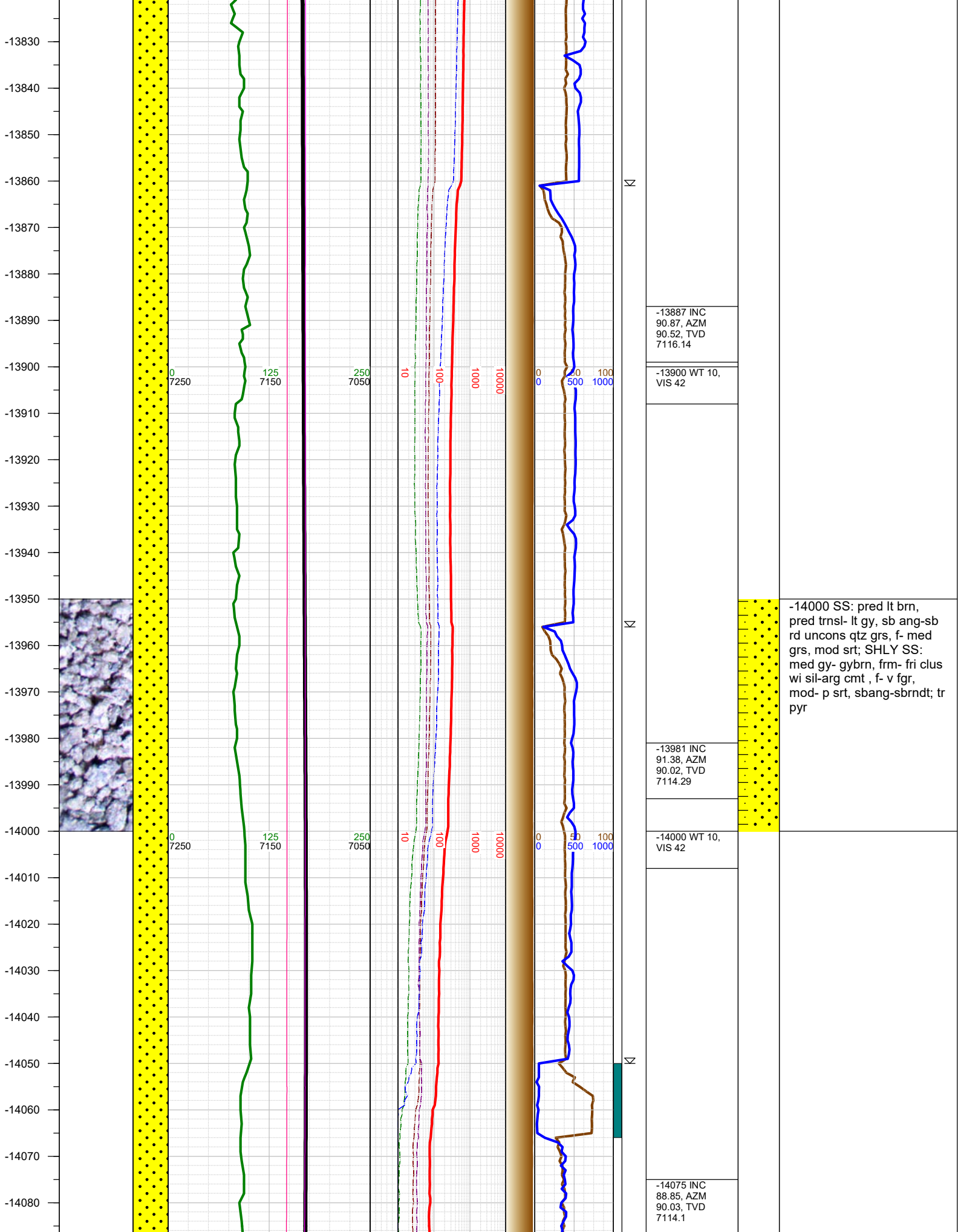
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VIS 42

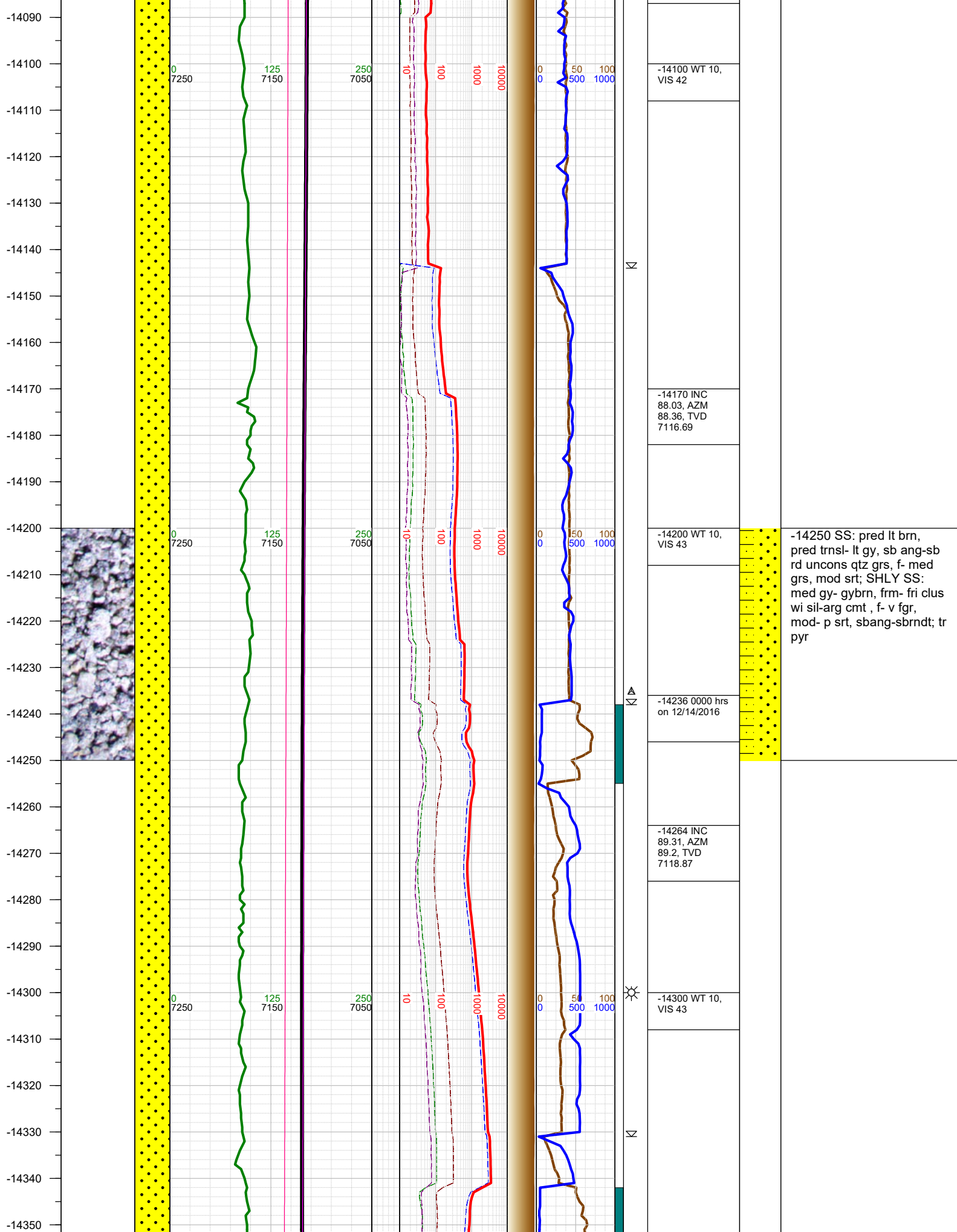
-13792 INC
90.59, AZM
90.68, TVD
7117.35

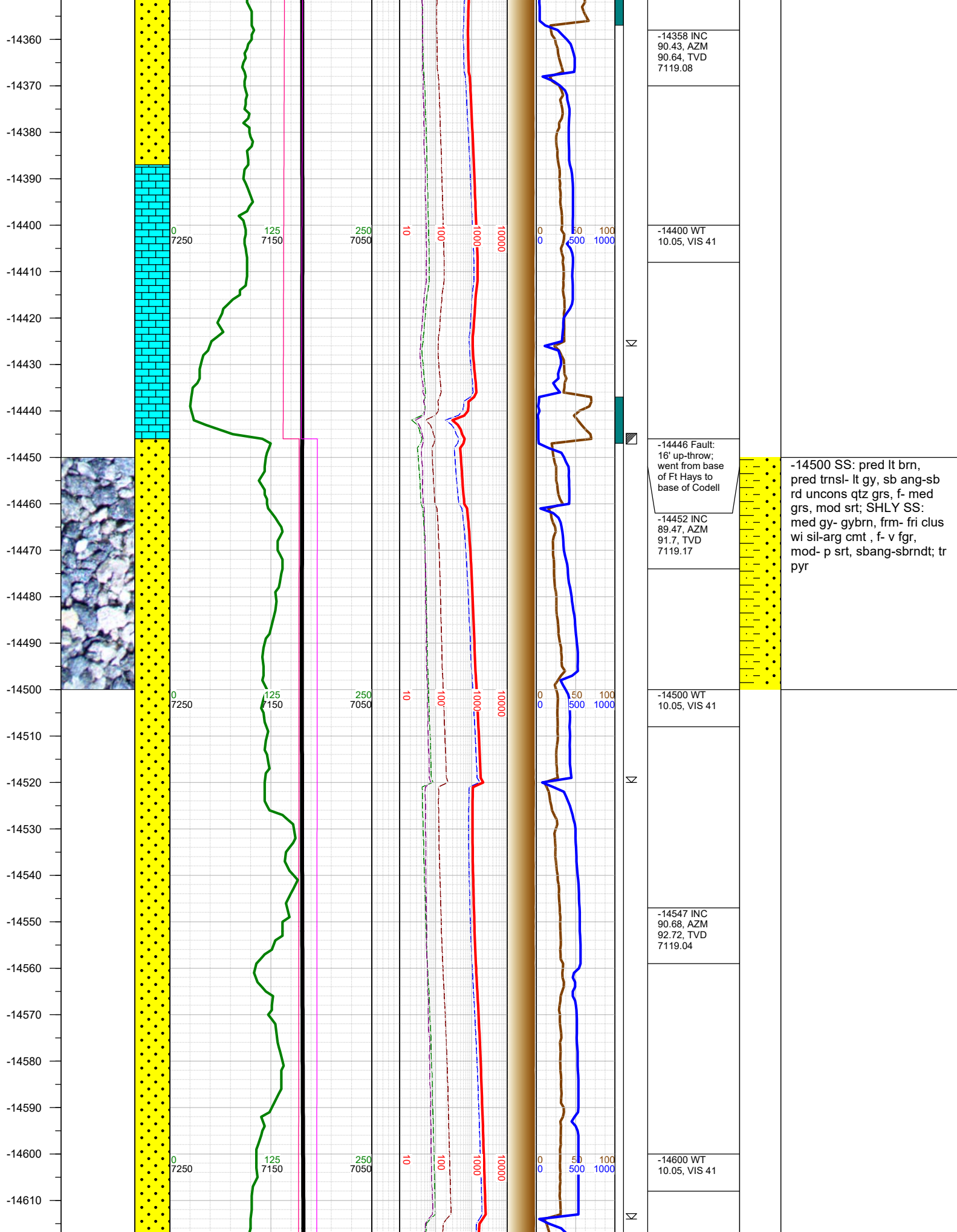
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VIS 42



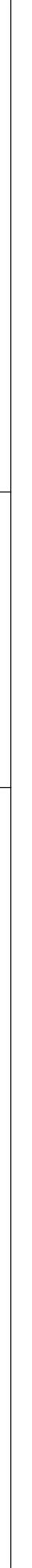
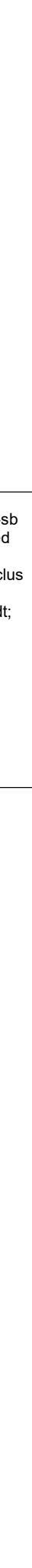
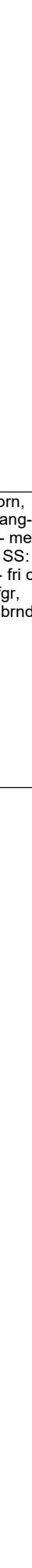
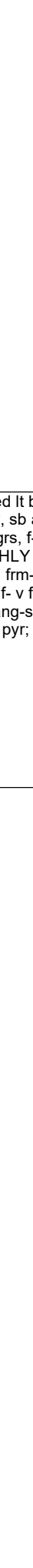
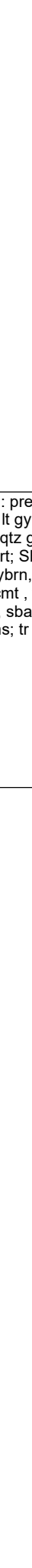
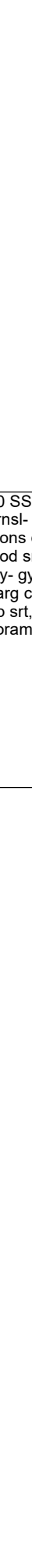
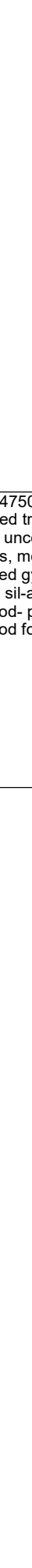
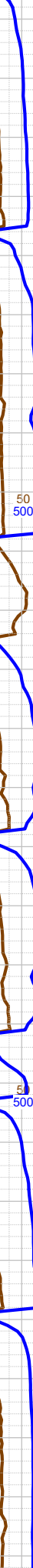
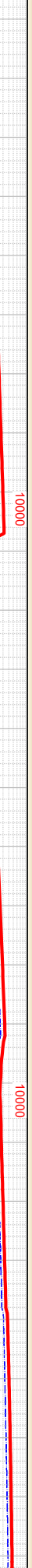
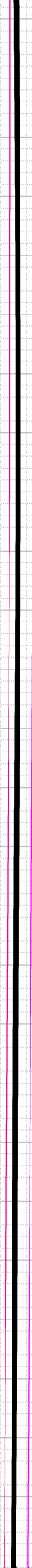
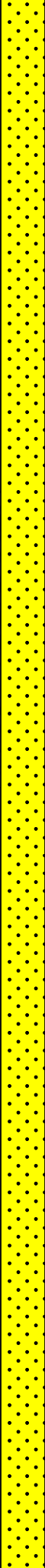
-13750 SS: pred lt brn,
pred trns- lt gy, sb ang-sb
rd uncons qtz grs, f- med
grs, mod srt; SHLY SS:
med gy- gybrn, frm- fri clus
wi sil-arg cmt, f- v fgr,
mod- p srt, sbang-sbrndt; tr
pyr







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-14641 INC
91.57, AZM
93.6, TVD
7117.2

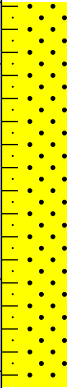
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10.05, VIS 41

-14736 INC
88.48, AZM
93.02, TVD
7117.15

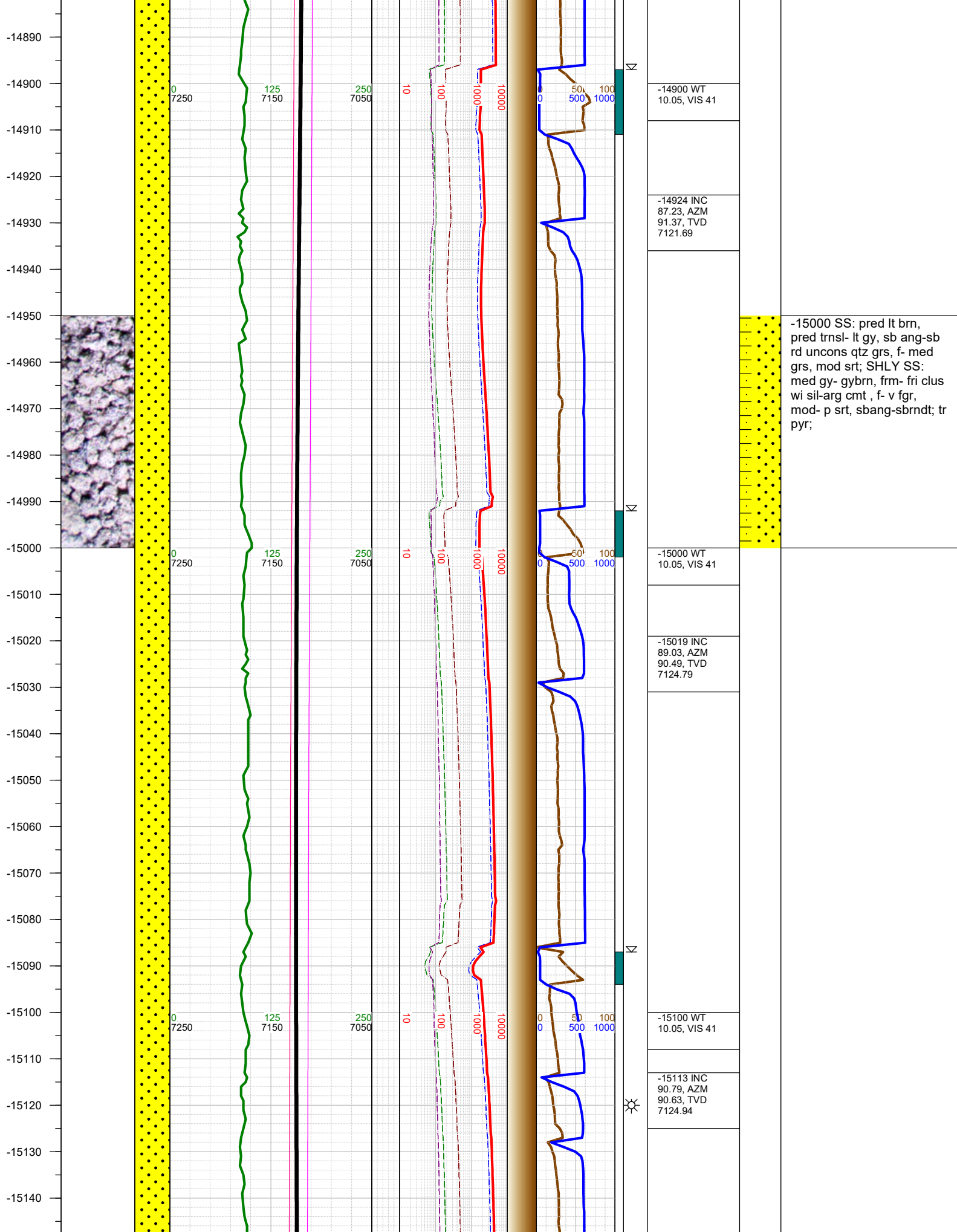


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10.05, VIS 41

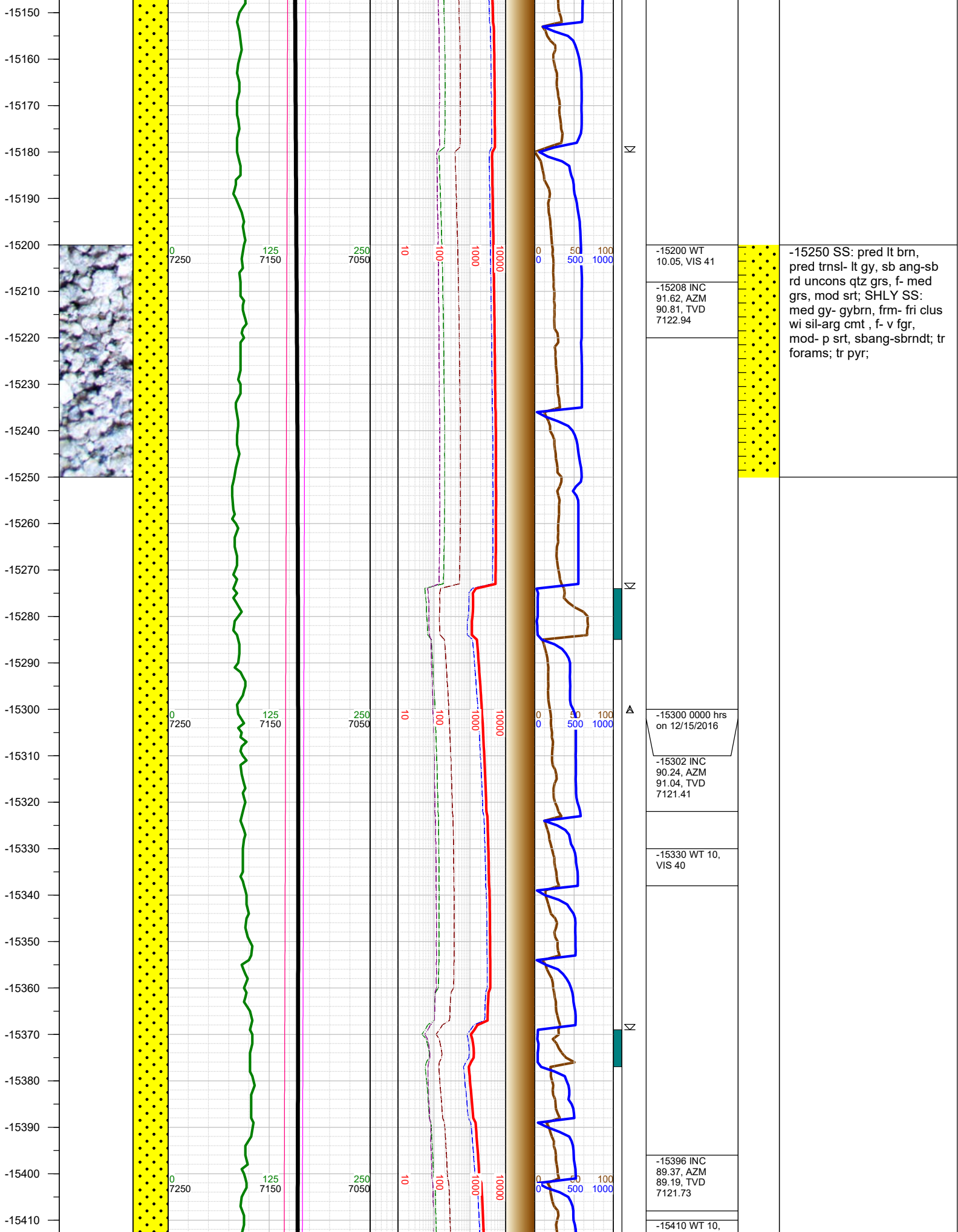
-14830 INC
89.38, AZM
93.16, TVD
7118.91

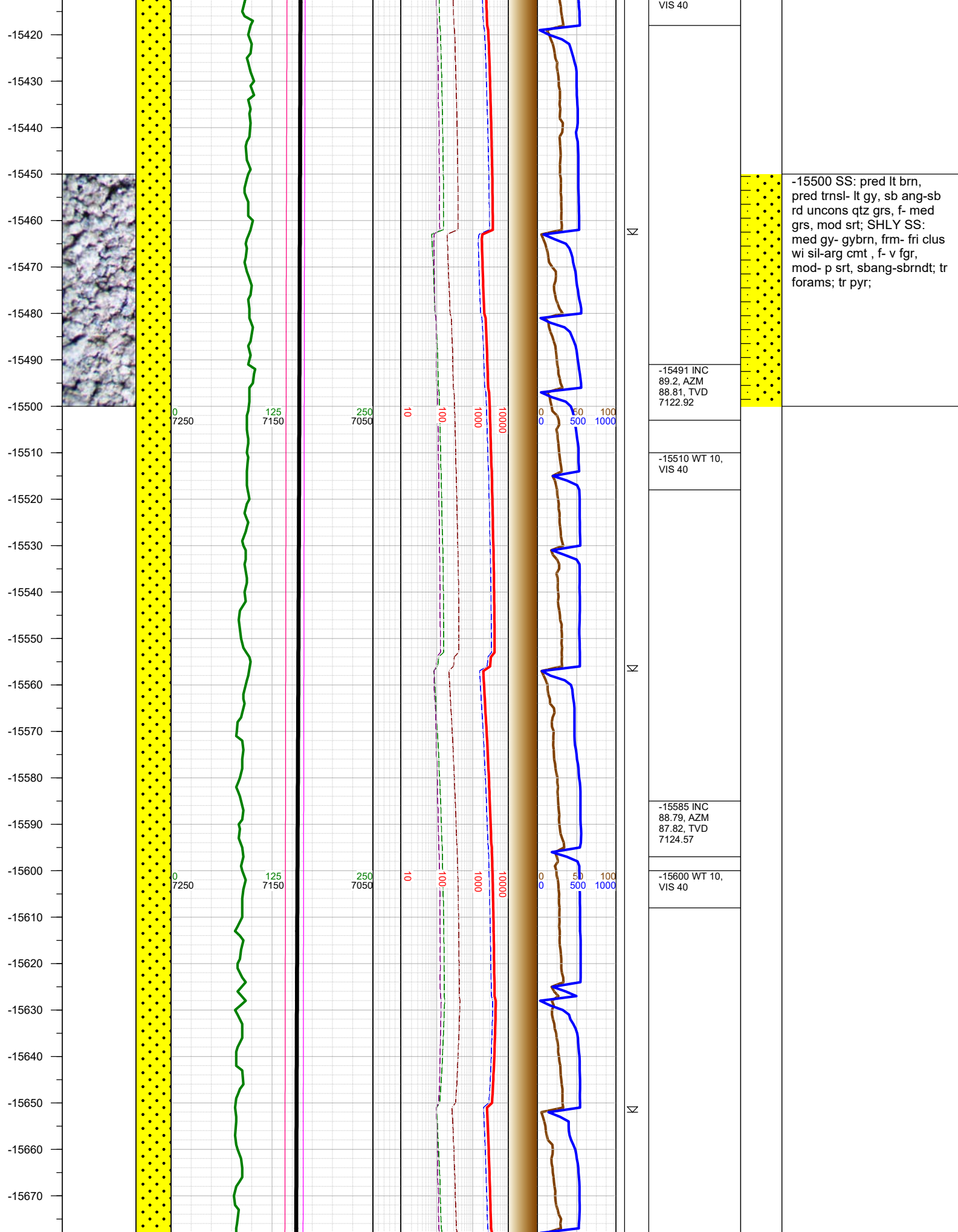


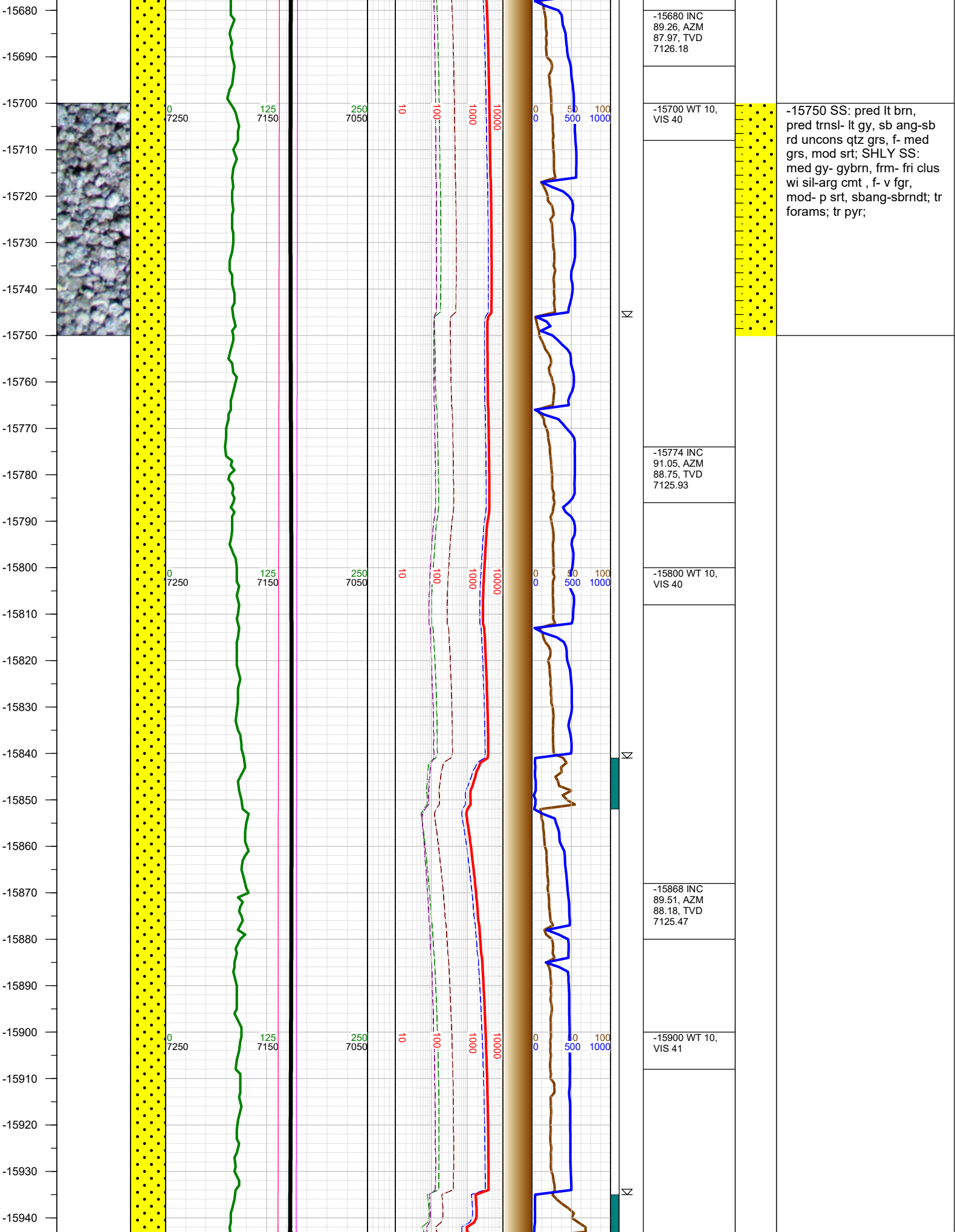
-14750 SS: pred lt brn,
pred trnsl- lt gy, sb ang-sb
rd unconsl qtz grs, f- med
grs, mod srt; SHLY SS:
med gy- gybrn, frm- fri clus
wi sil-arg cmt, f- v fgr,
mod- p srt, sbang-sbrndt;
mod forams; tr pyr;

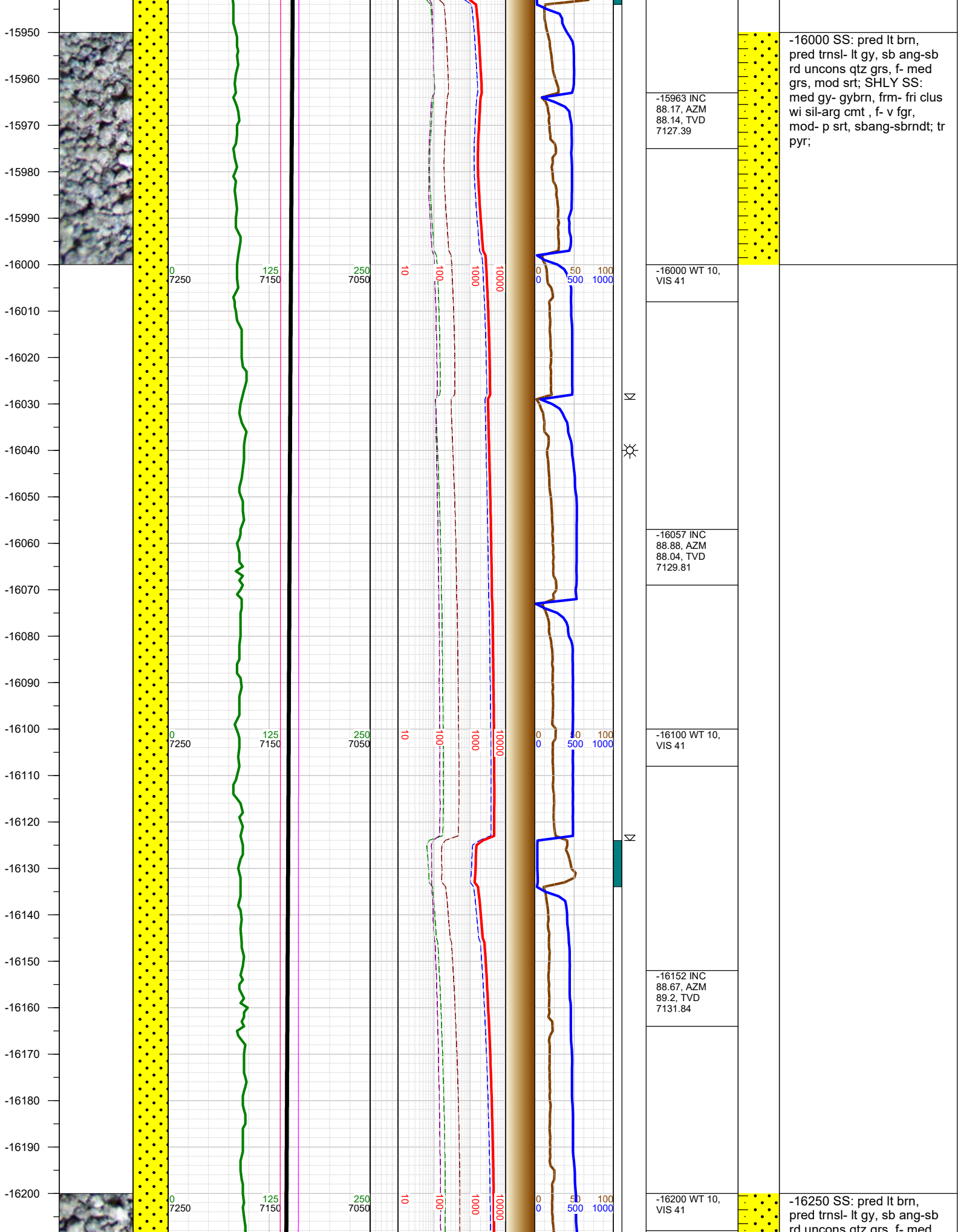


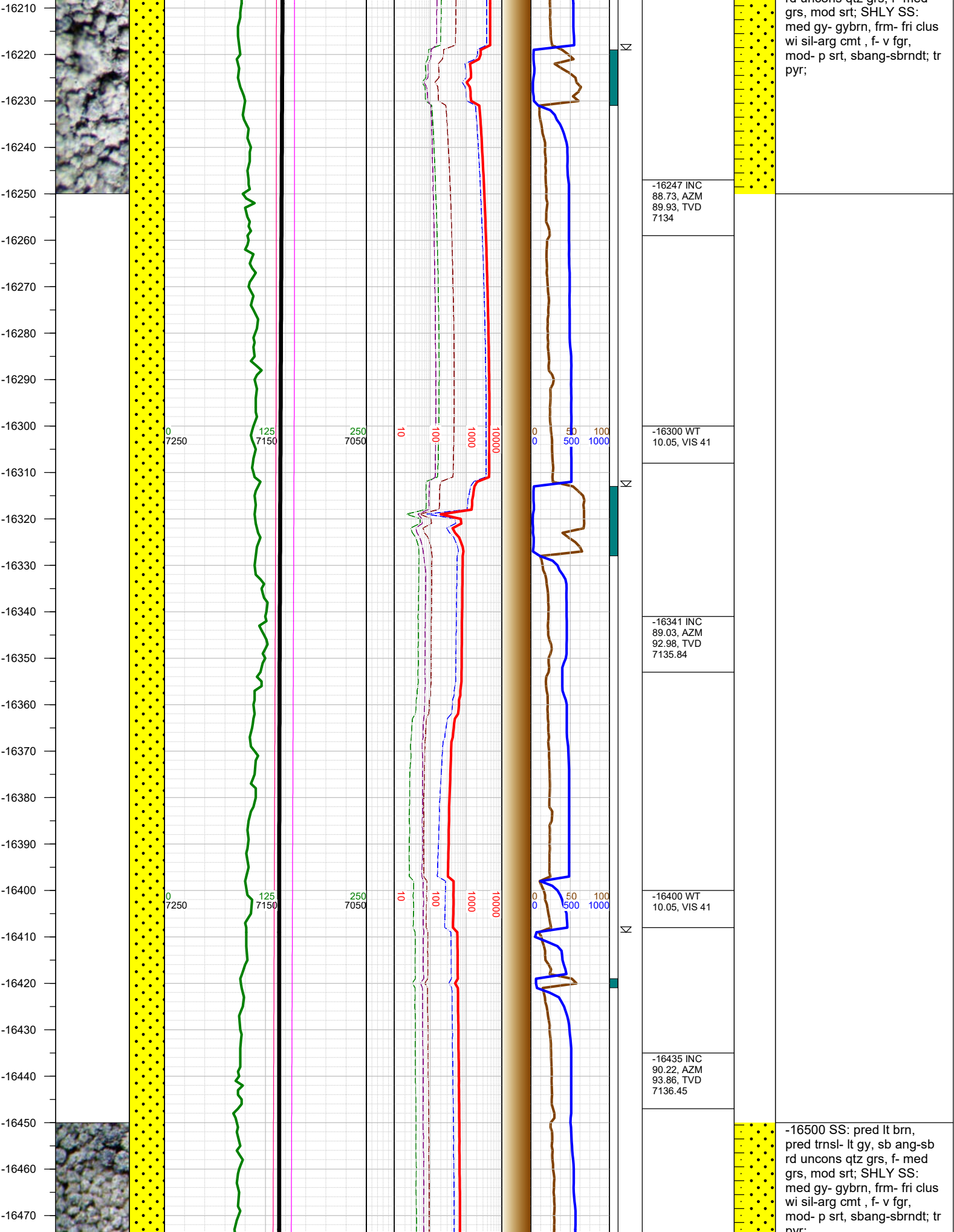
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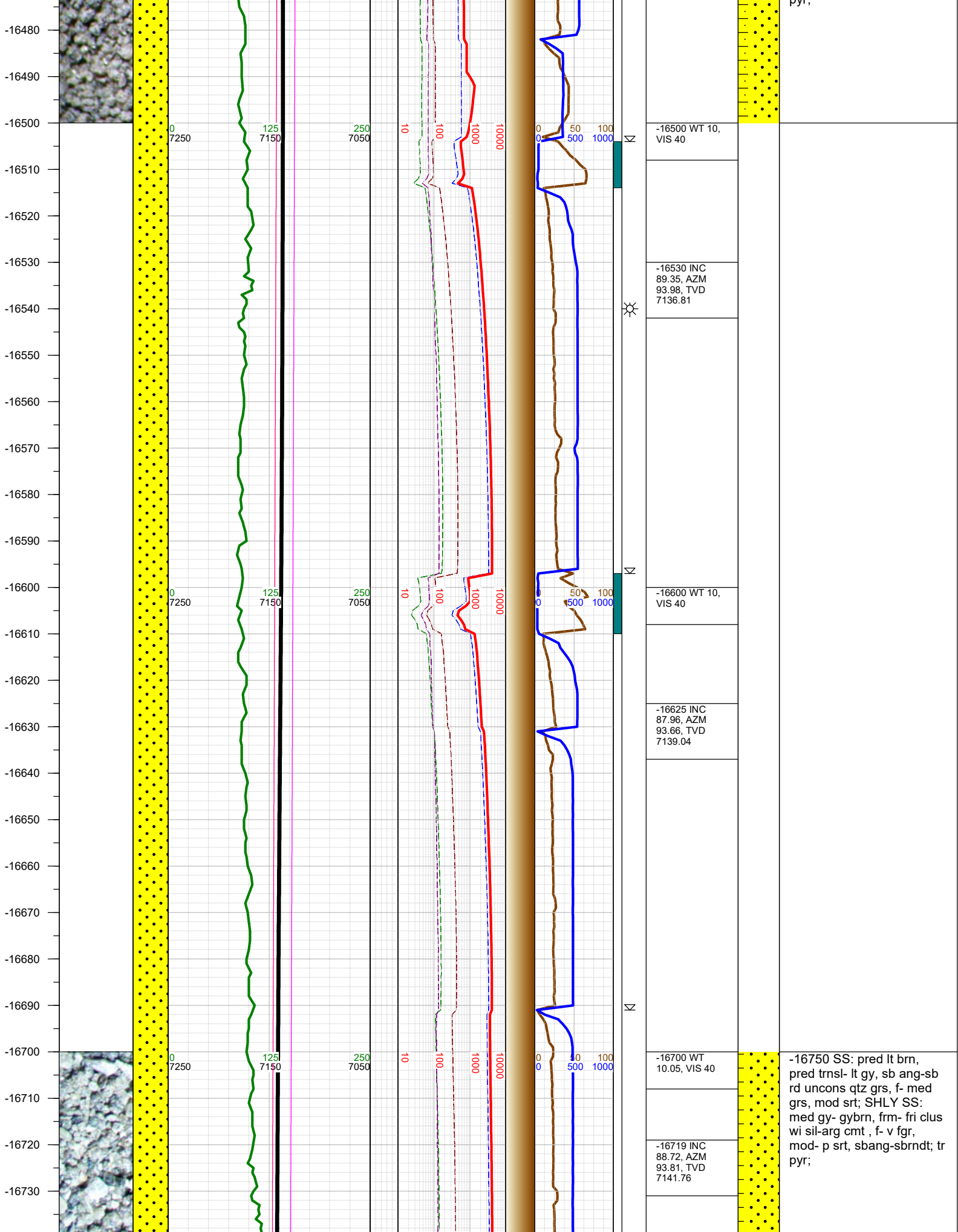


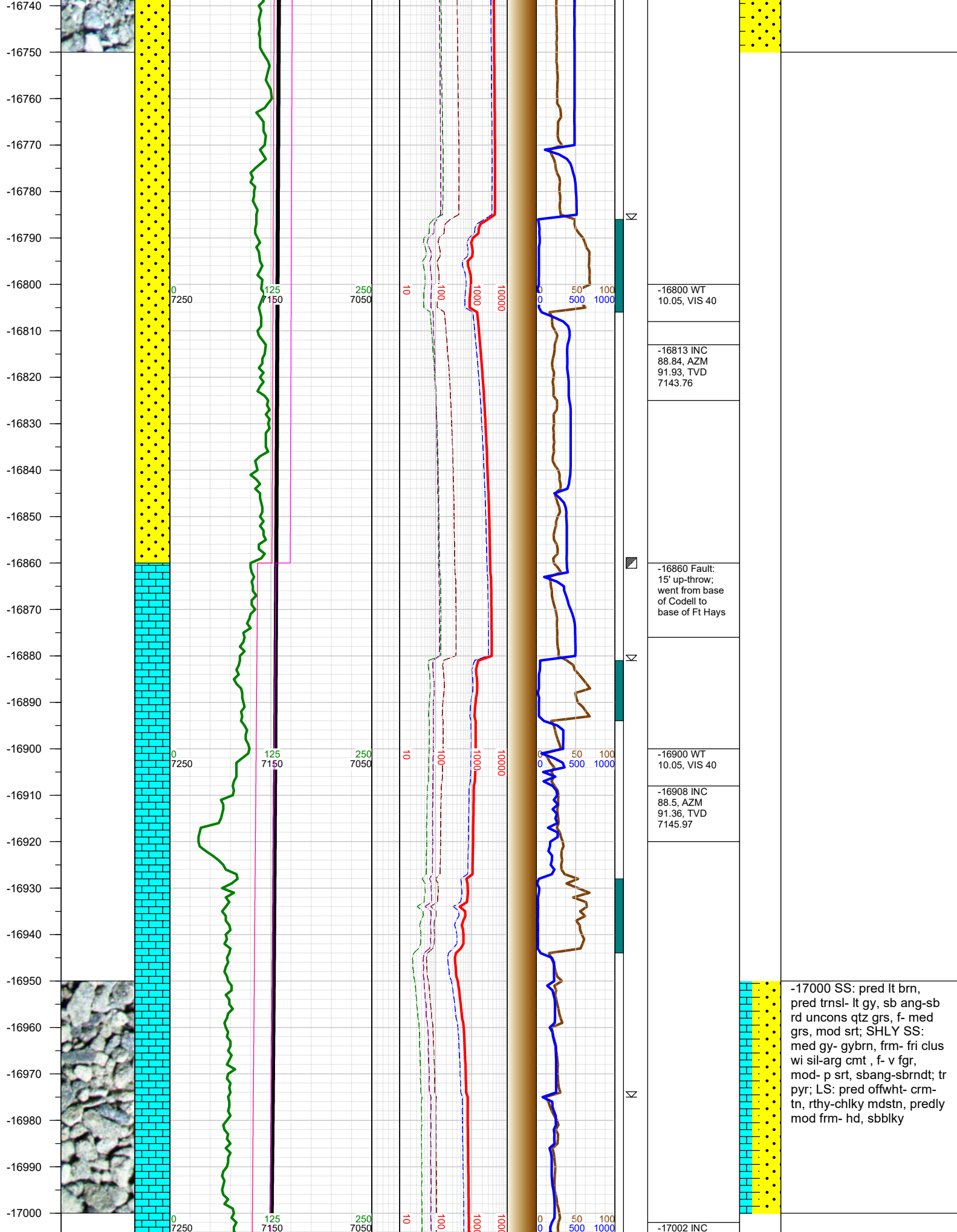


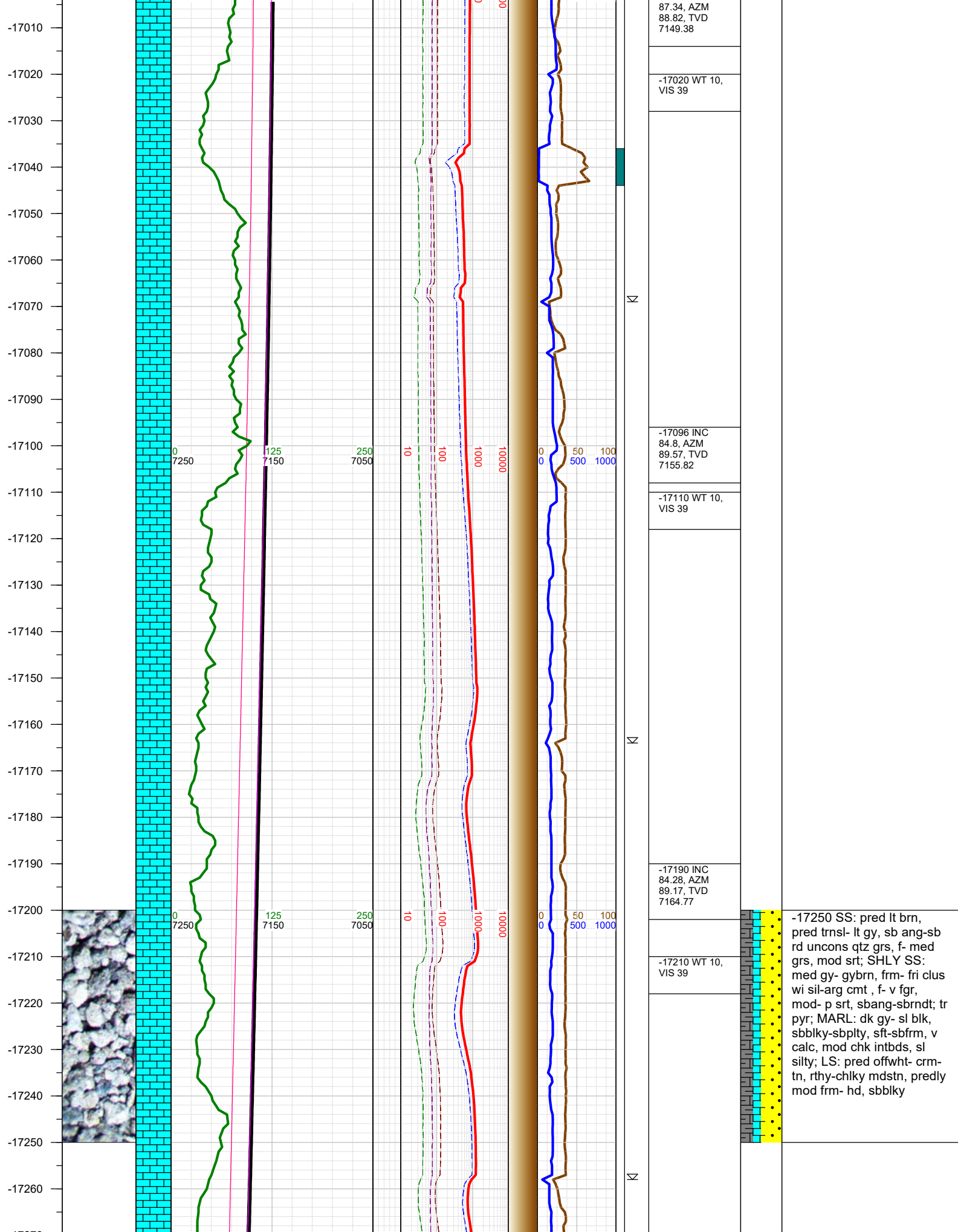


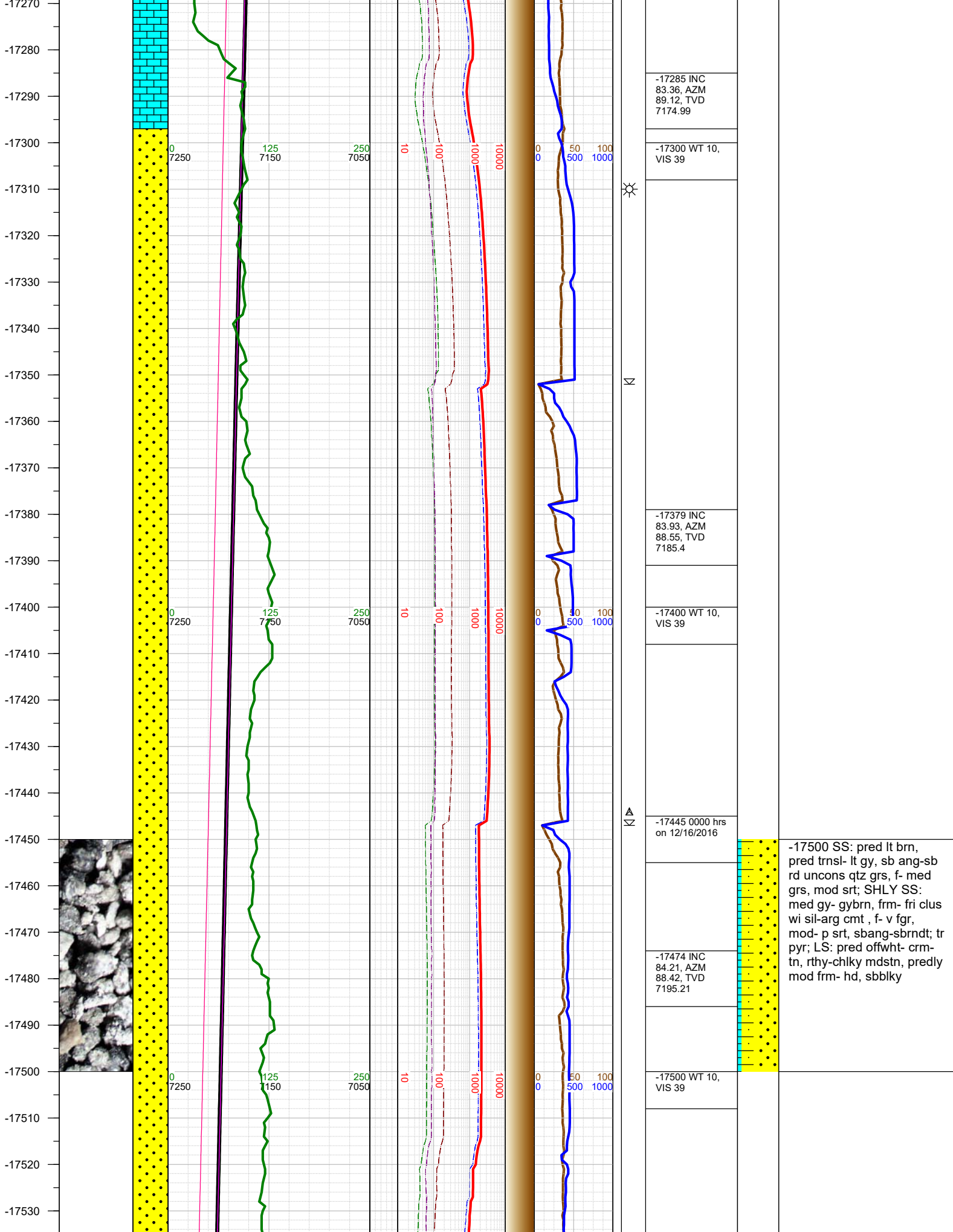


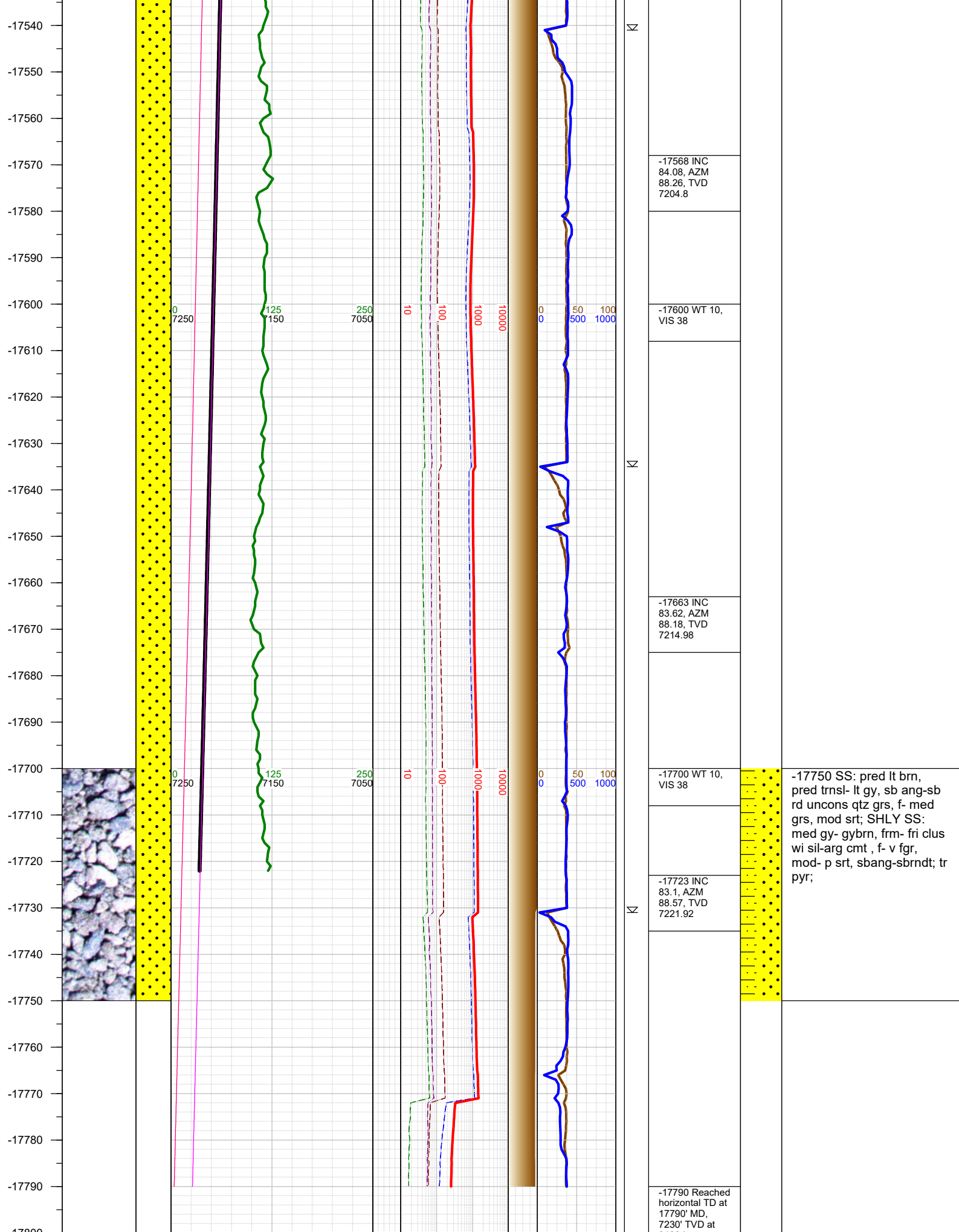


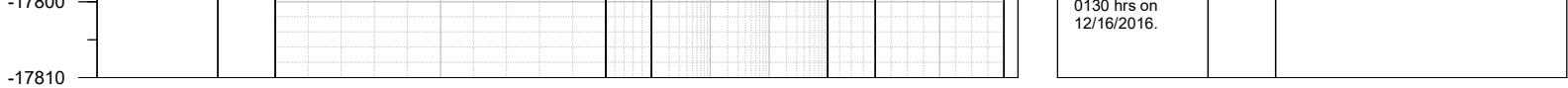












TOTAL DEPTH = 17790'

Thank you for using Earth Science Agency