

OPERATOR: **Extraction Oil & Gas**

WELL NAME: **Mickey 1**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Patterson 346

API #: 05-123-43850

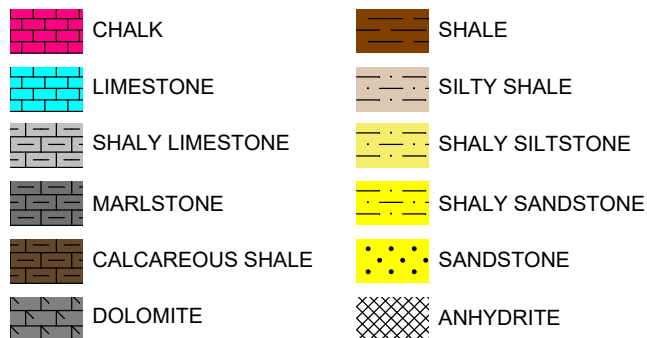
LAT/LONG: 40.516404, -104.914202  
SURFACE HOLE: SWNE S5-T6N-R67W, 2418' FSL, 1768' FEL  
BOTTOM HOLE: S34-T7N-R67W, 19' FSL, 2233' FEL



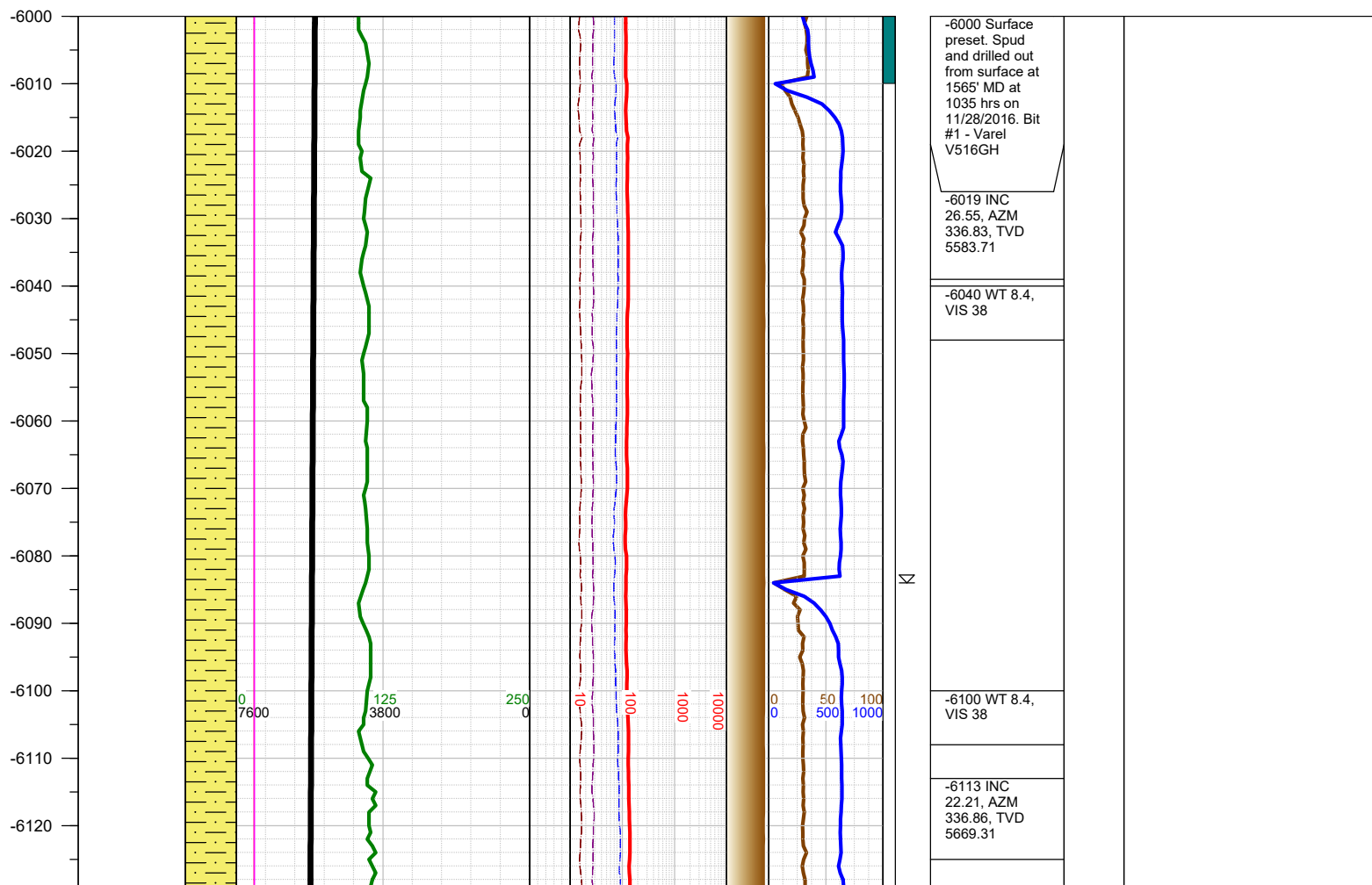
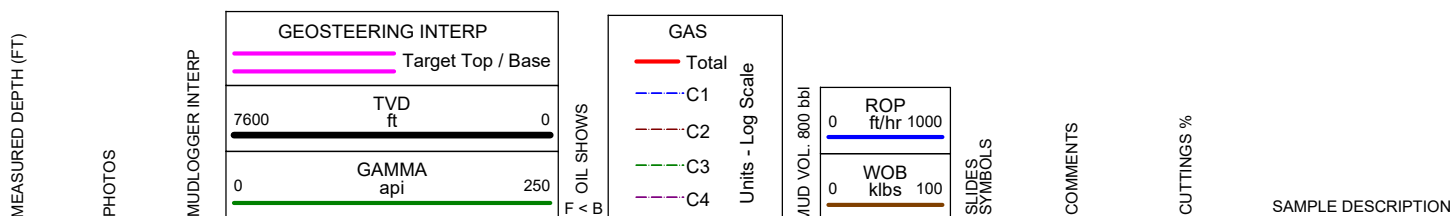
Earth Science Agency, LLC

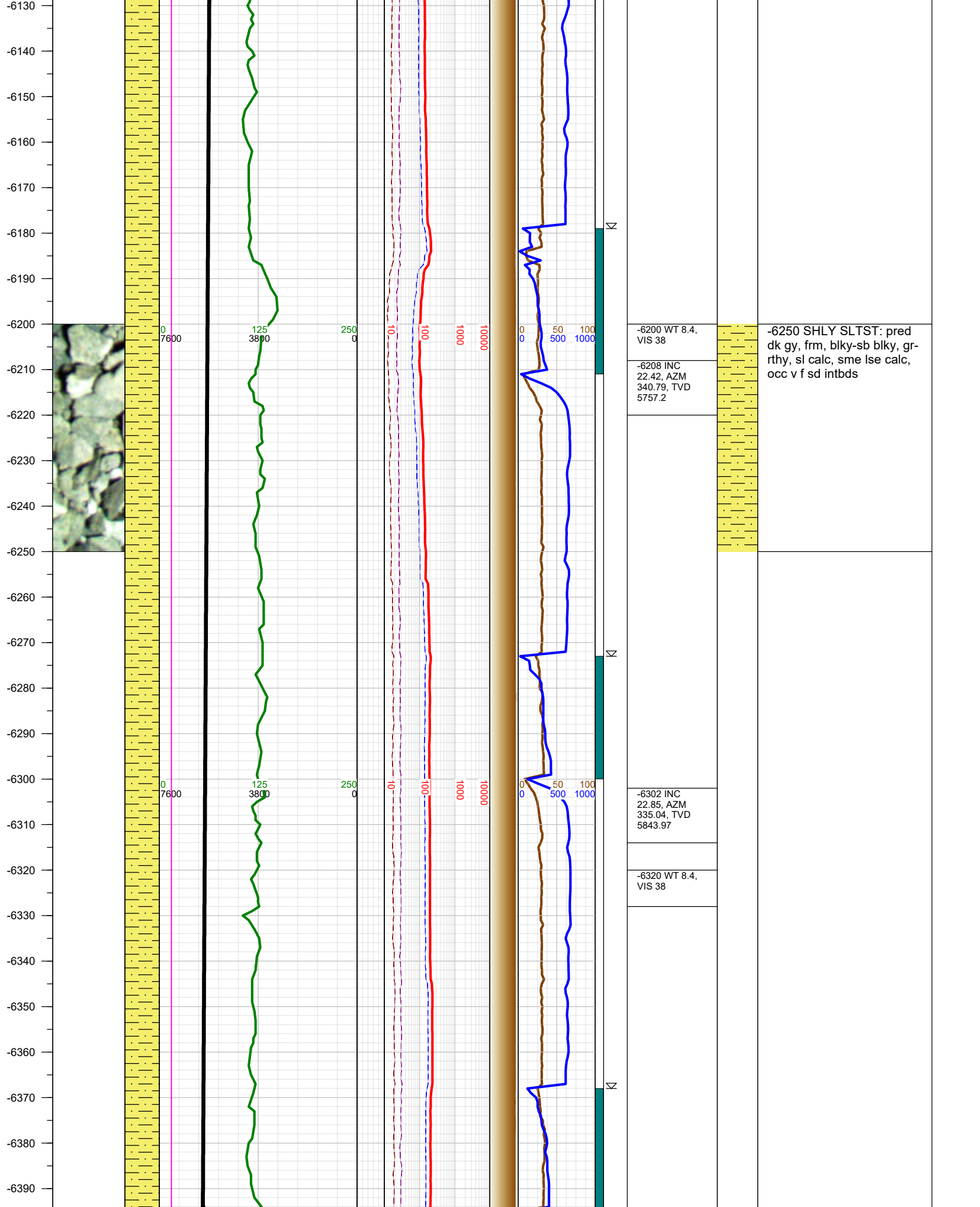
COUNTY: Weld  
STATE: Colorado  
GROUND ELEVATION: 4881'  
KELLY BUSHING: 4906'  
DRILLING FLUID: OBM  
TVD VS. MD: 7201' / 17942'  
SPUD DATE: November 28, 2016  
TD DATE: December 4, 2016  
  
DEPTHS LOGGED: 6000' - 17942'  
DATES LOGGED: November 28, 2016 - December 4, 2016  
GEOLOGISTS: Dominic Pitre, James Brooks  
SCALE: 5" = 100'

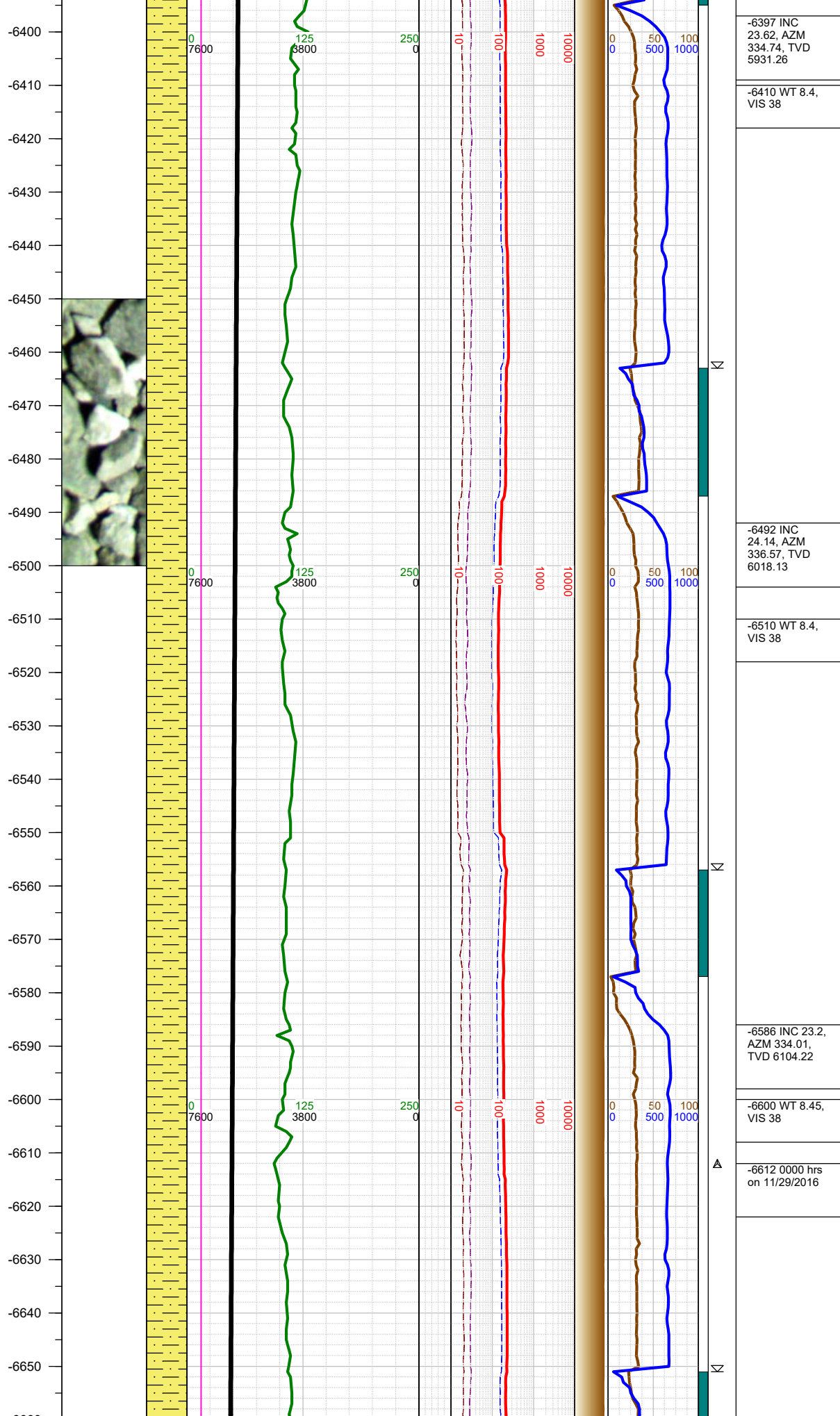
#### LEGEND

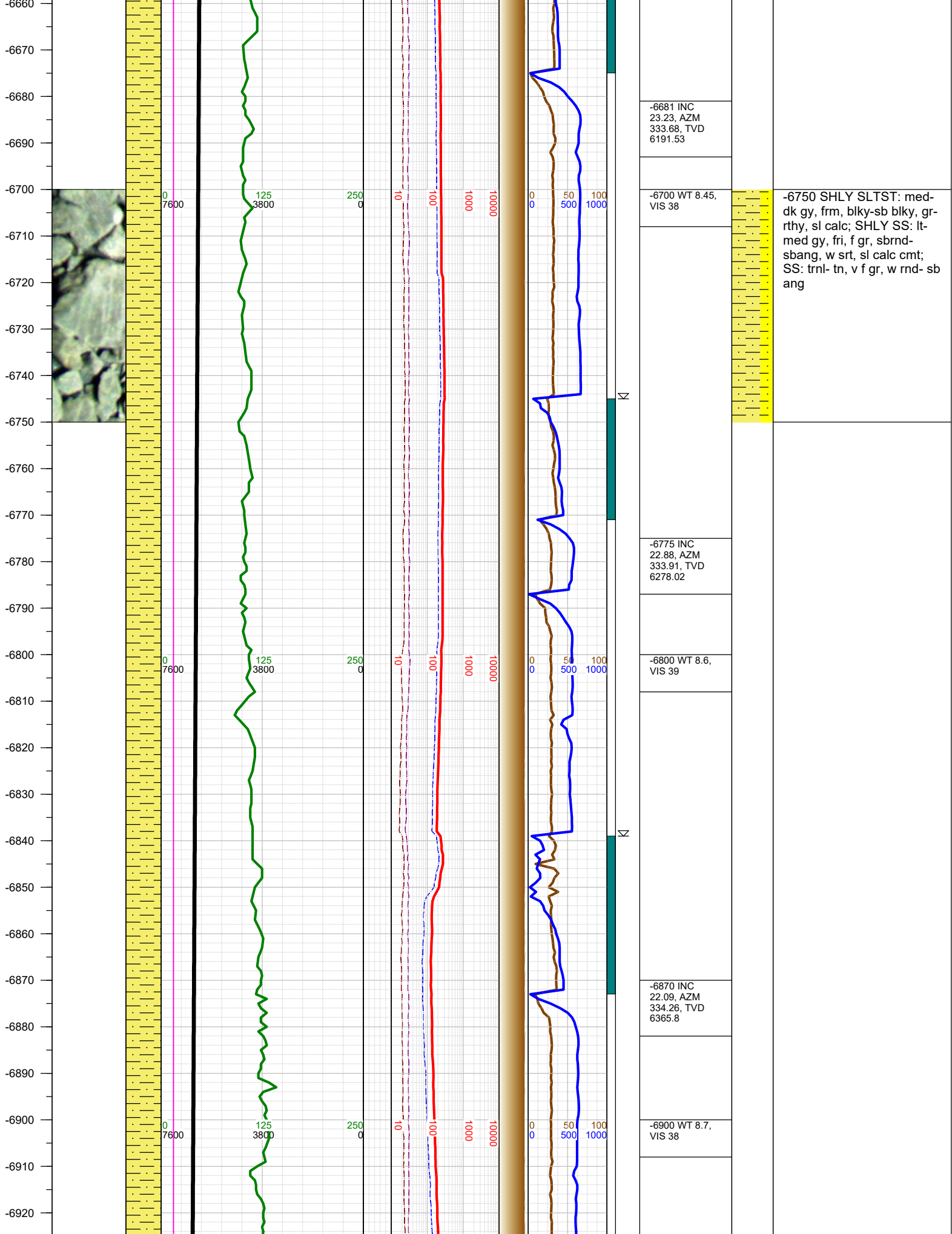


FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

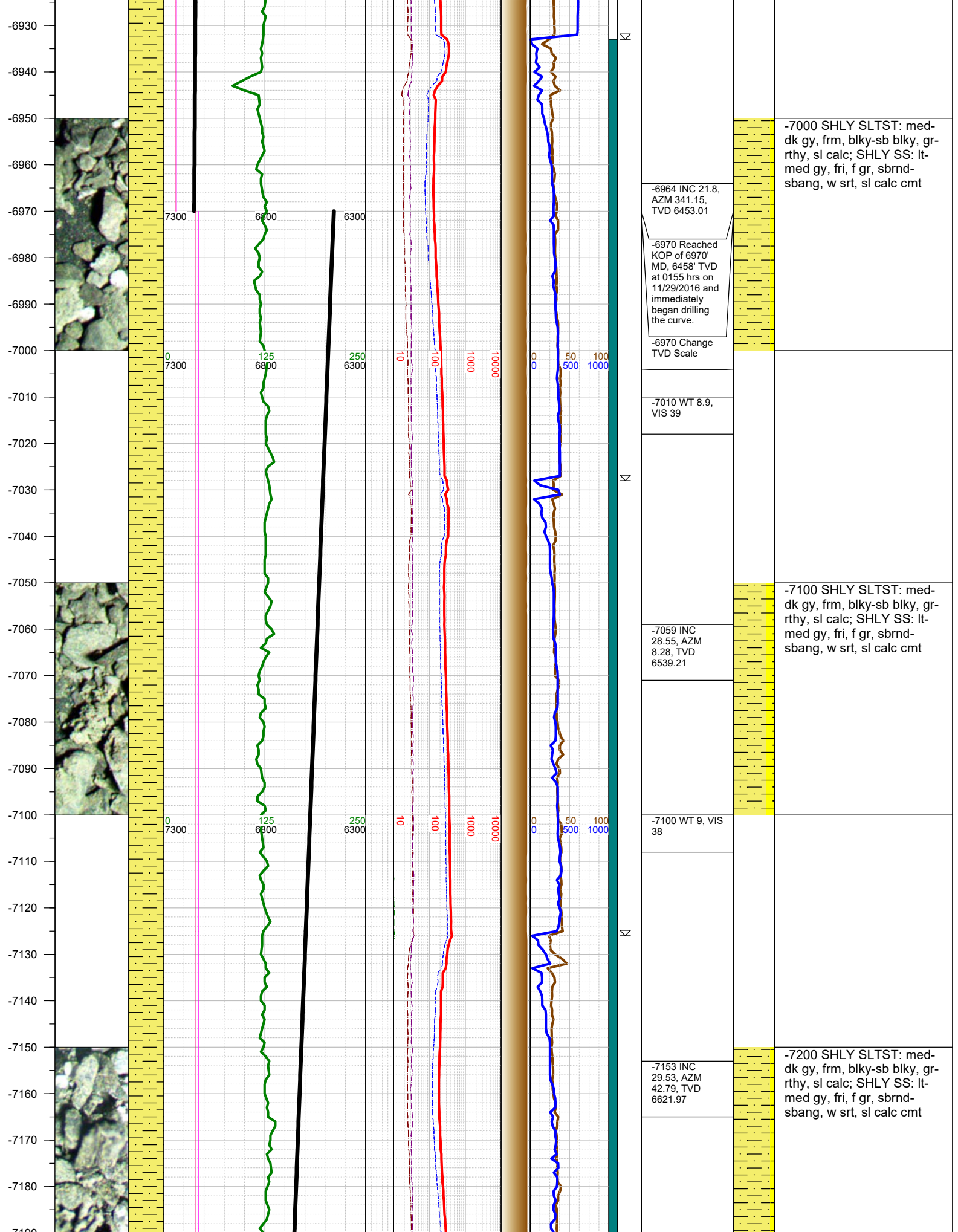


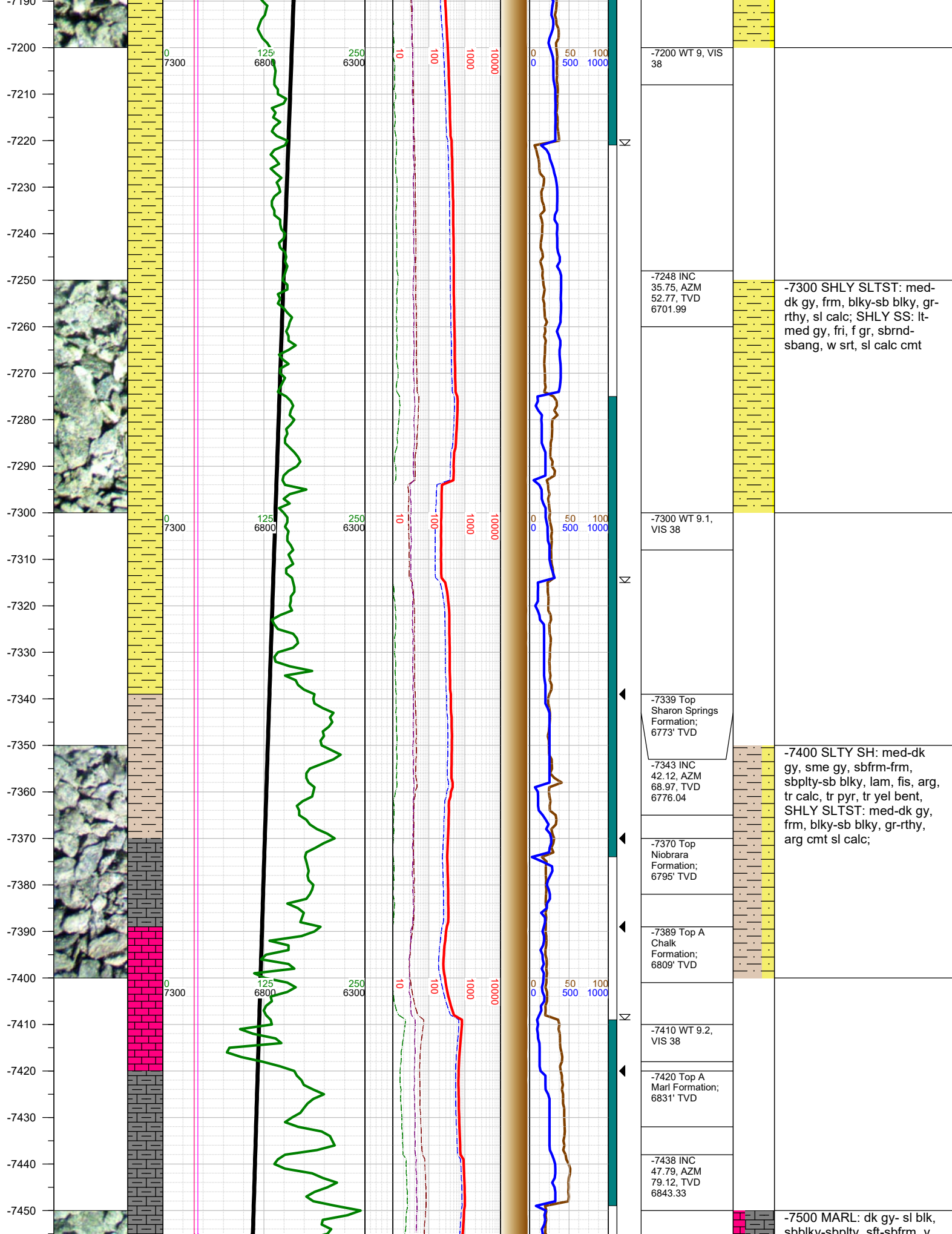


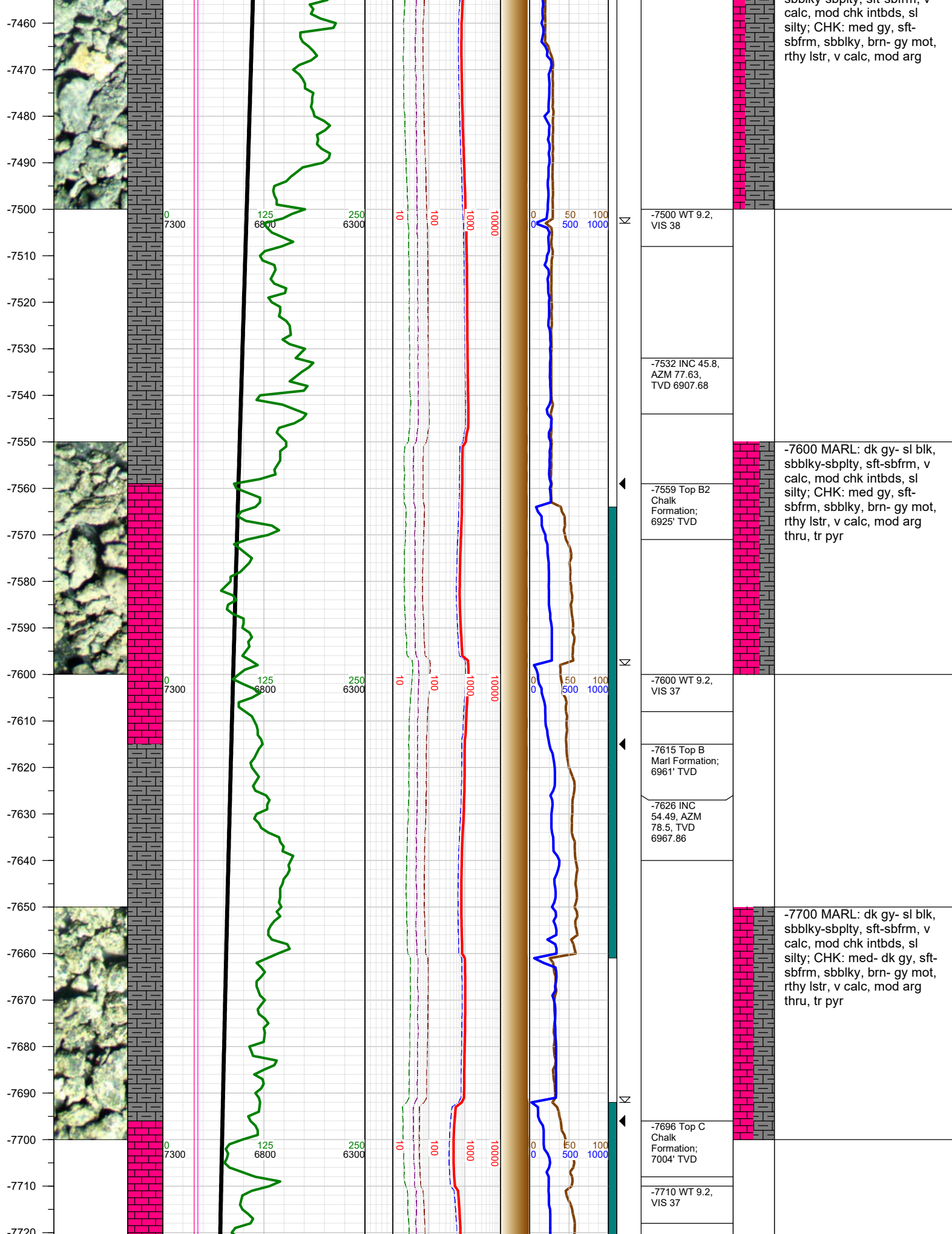




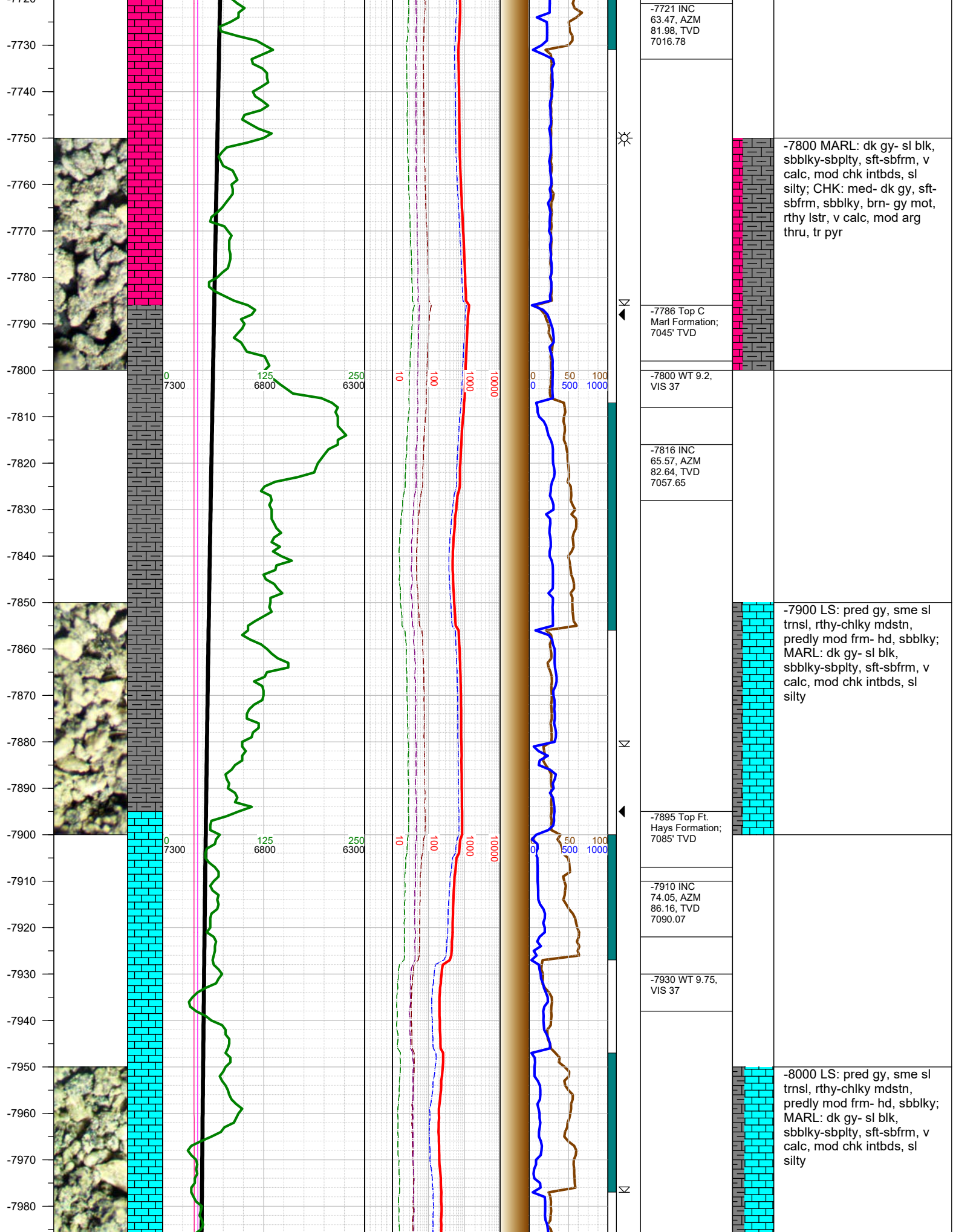




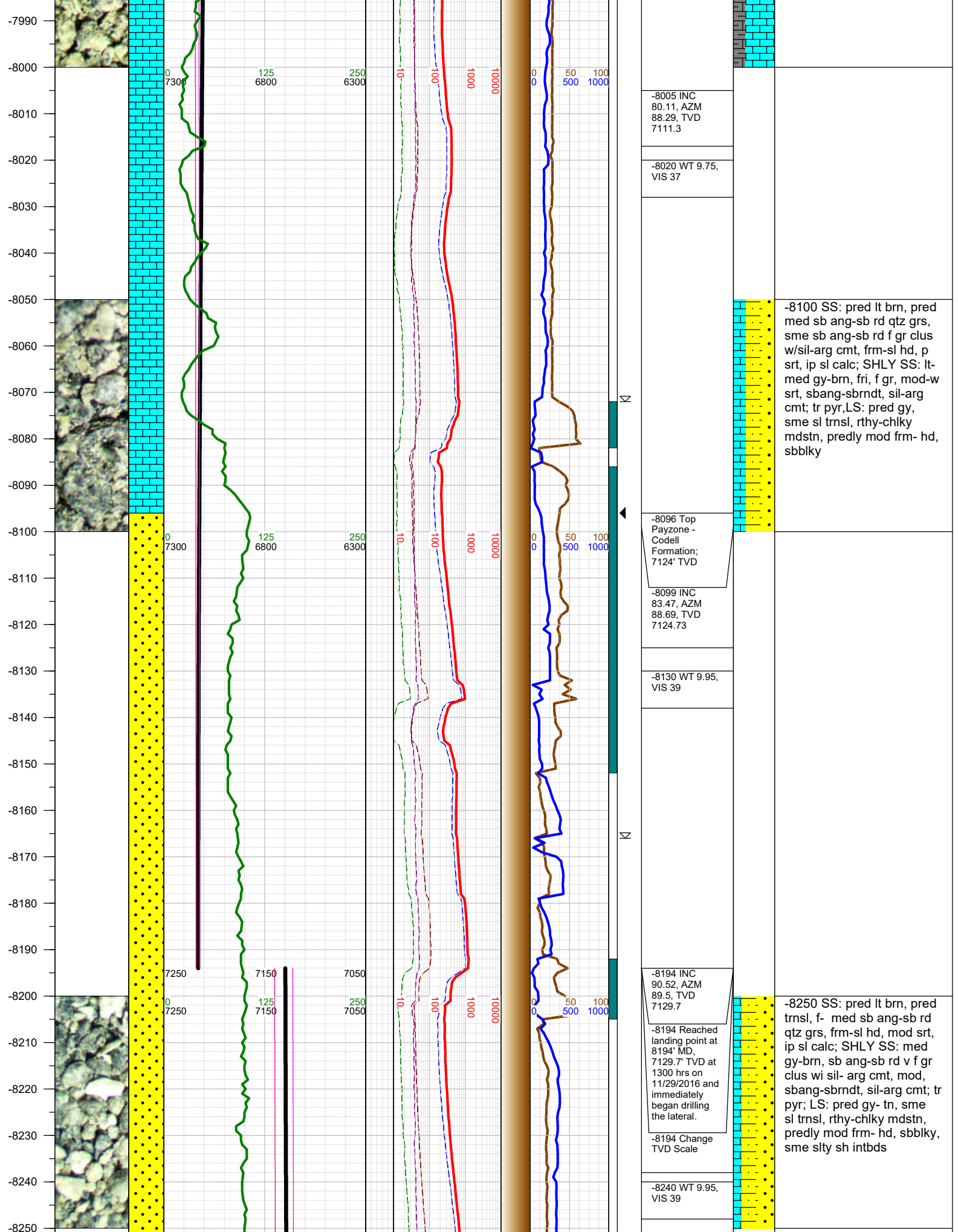


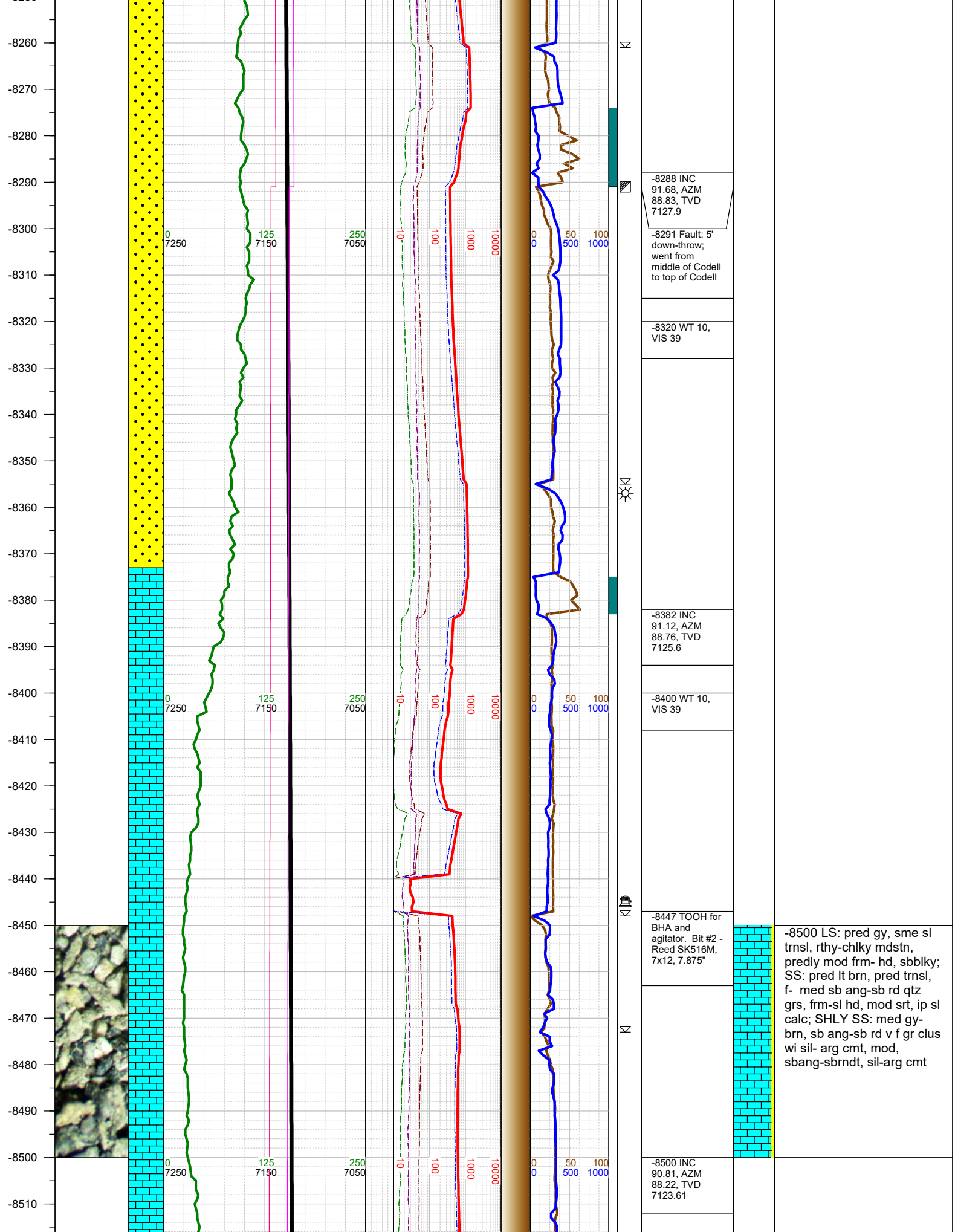




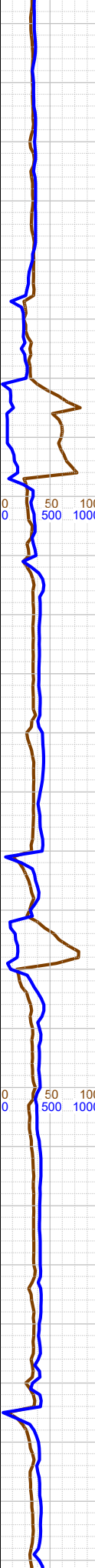
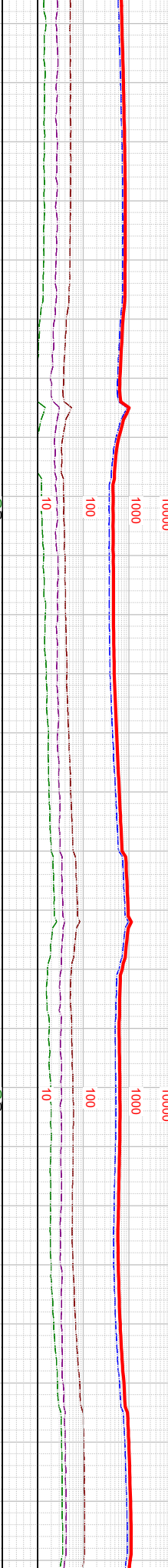
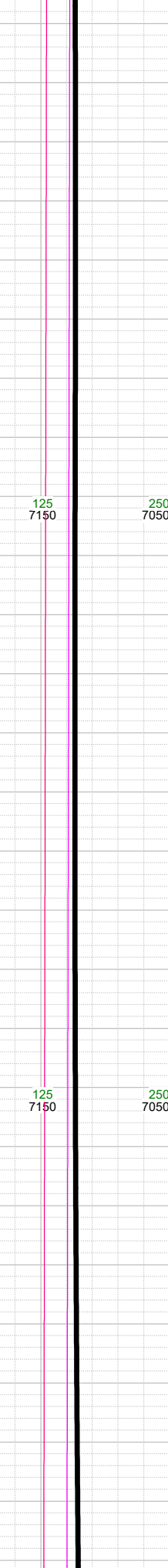
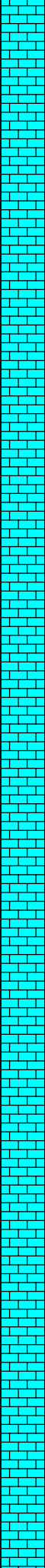
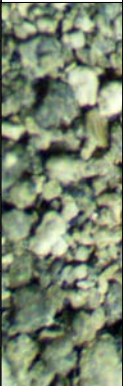




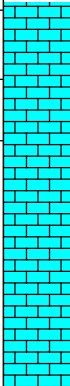




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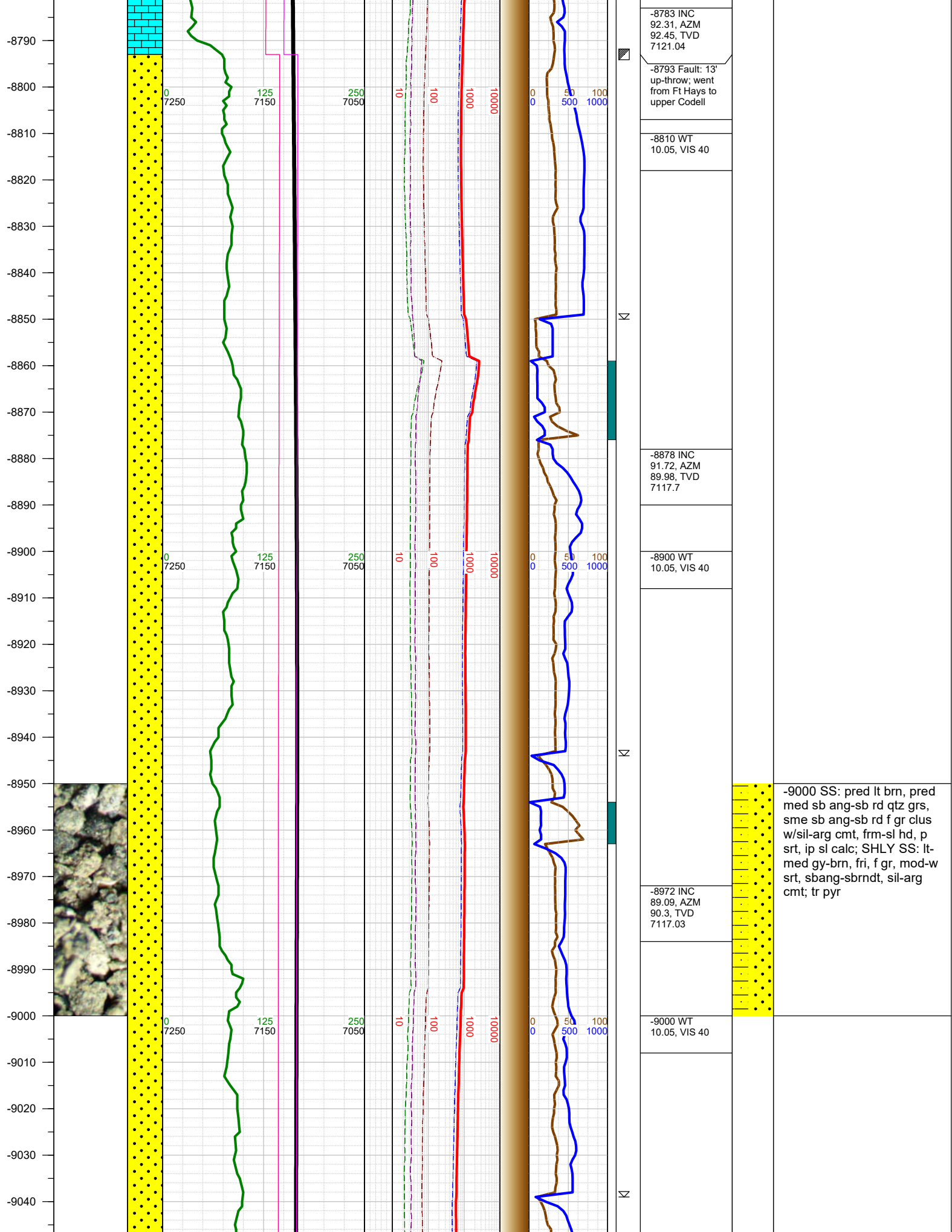


-8520 WT 10, VIS 39
-8595 INC 89.38, AZM 90, TVD 7123.46
-8610 WT 10.05, VIS 40
-8671 0000 hrs on 11/30/2016
-8689 INC 90.63, AZM 91.54, TVD 7123.45
-8710 WT 10.05, VIS 40

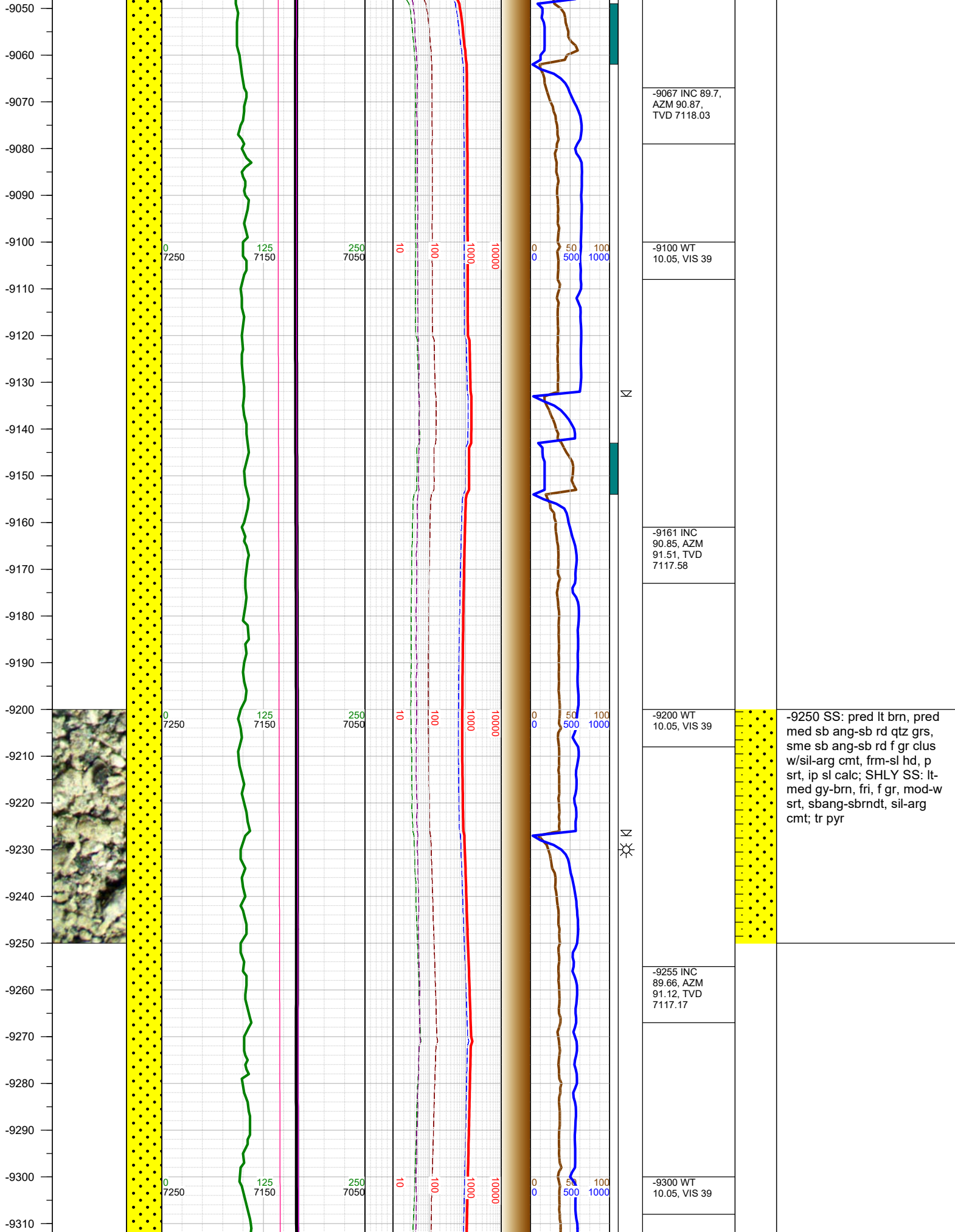


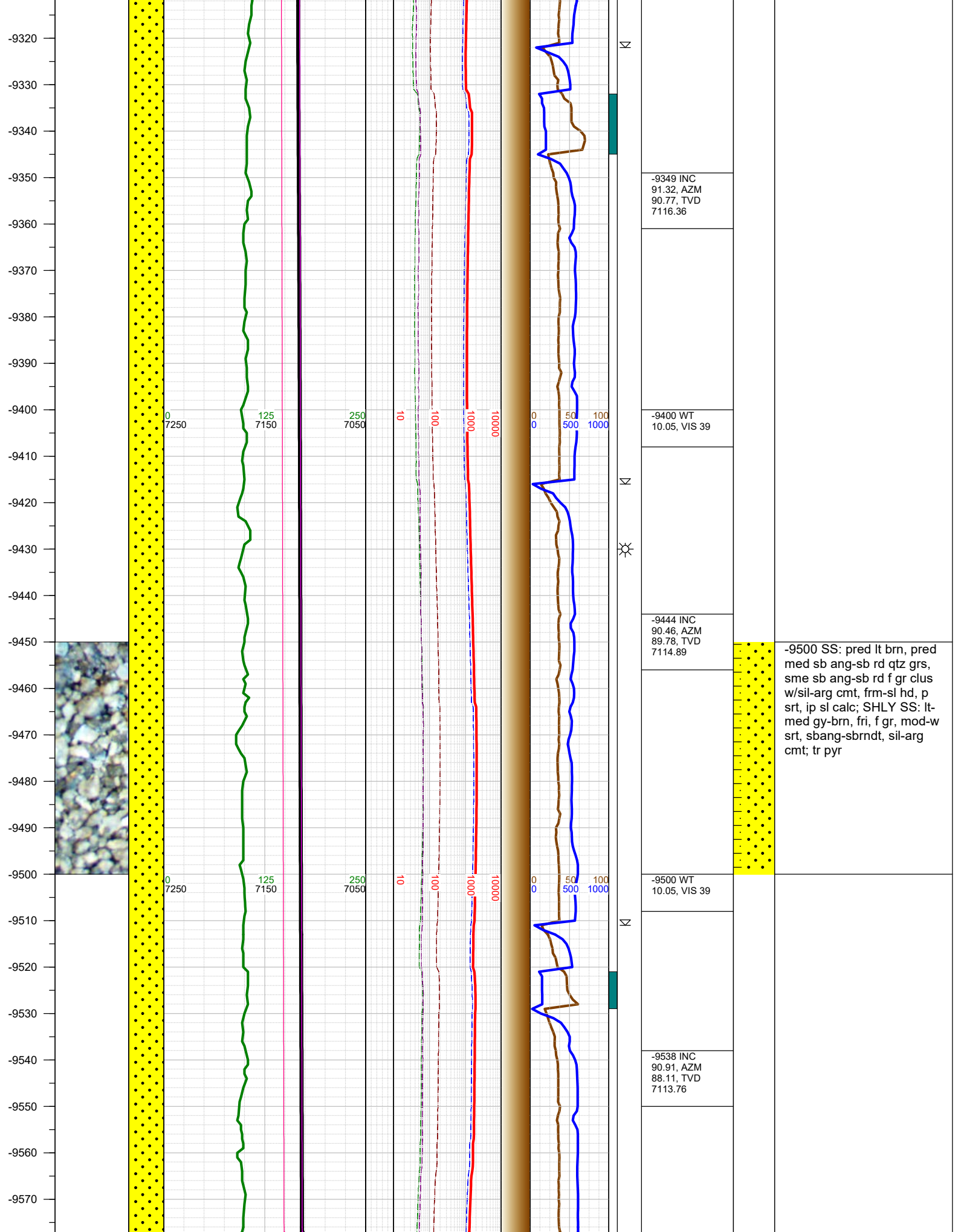
-8750 LS: pred gy, sme sl  
trnsI, rthy-chlky mdstn,  
predly mod frm- hd, sbbiky

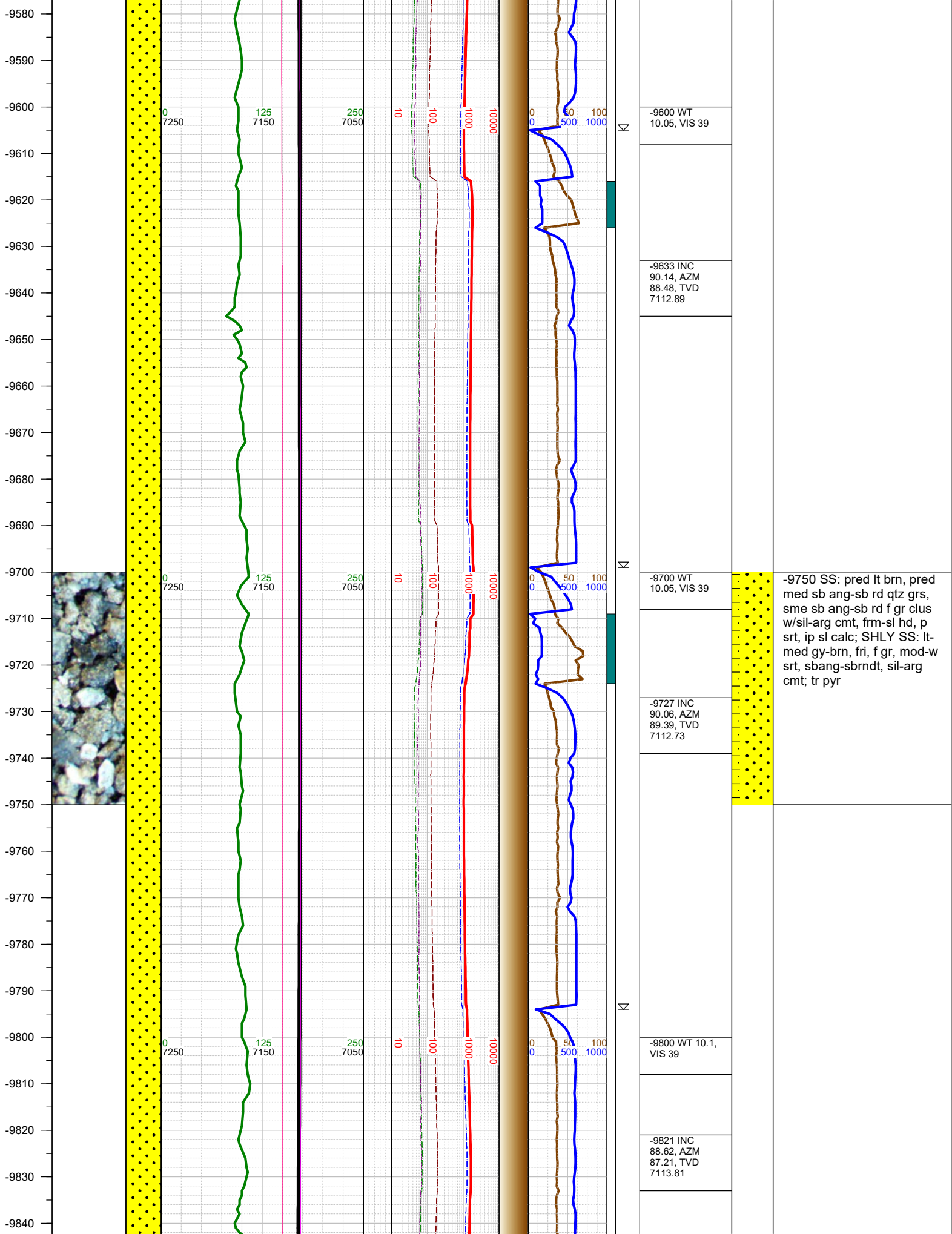




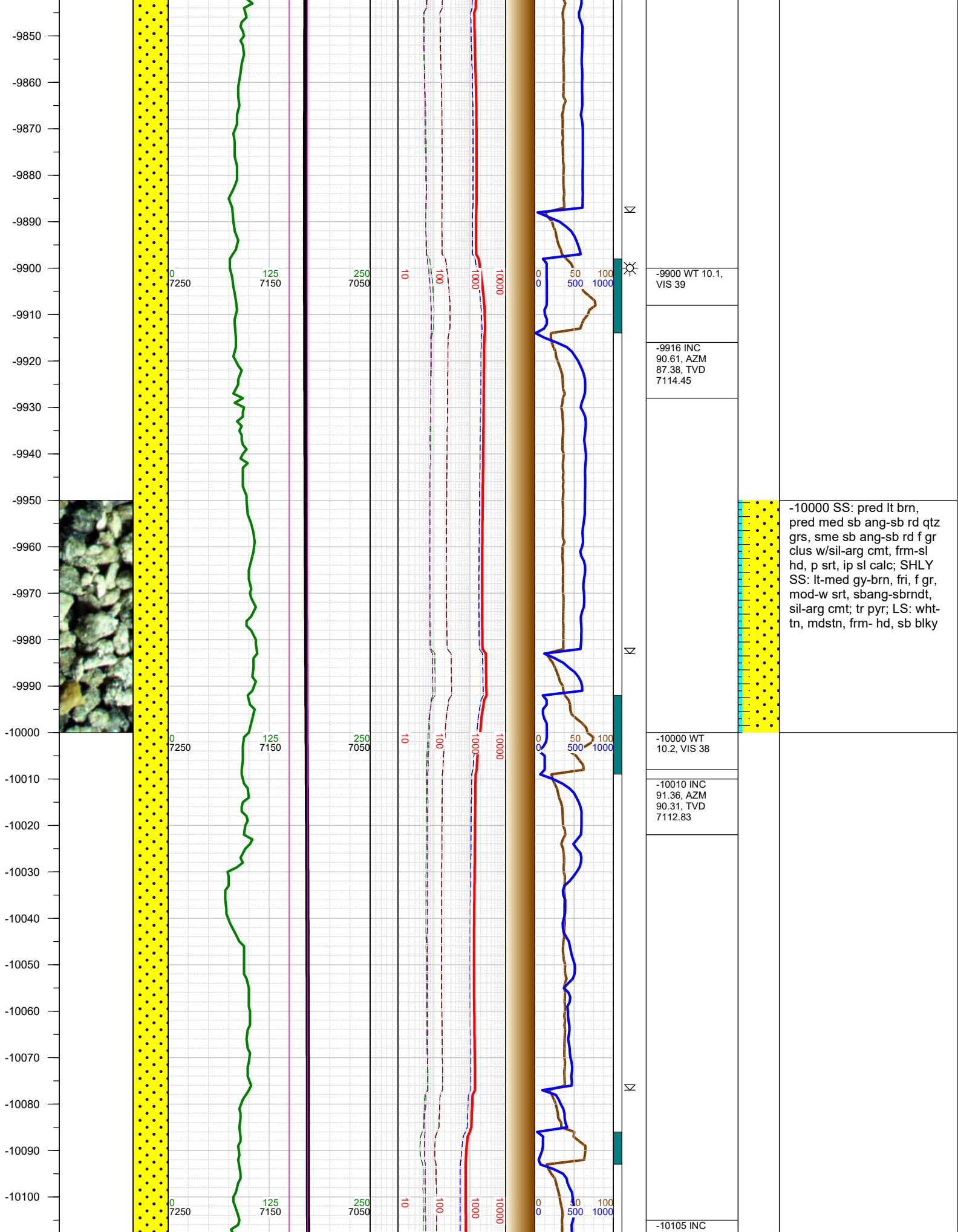






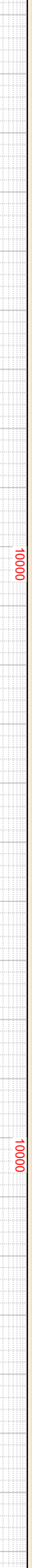
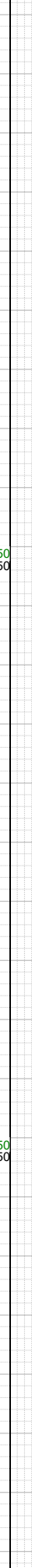
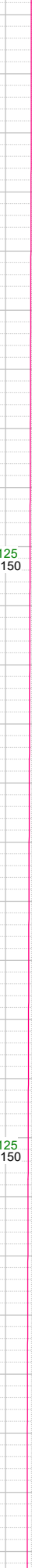


-9750 SS: pred lt brn, pred med sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/sil-arg cmt, frm-sl hd, p srt, ip sl calc; SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; tr pyr

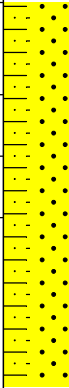




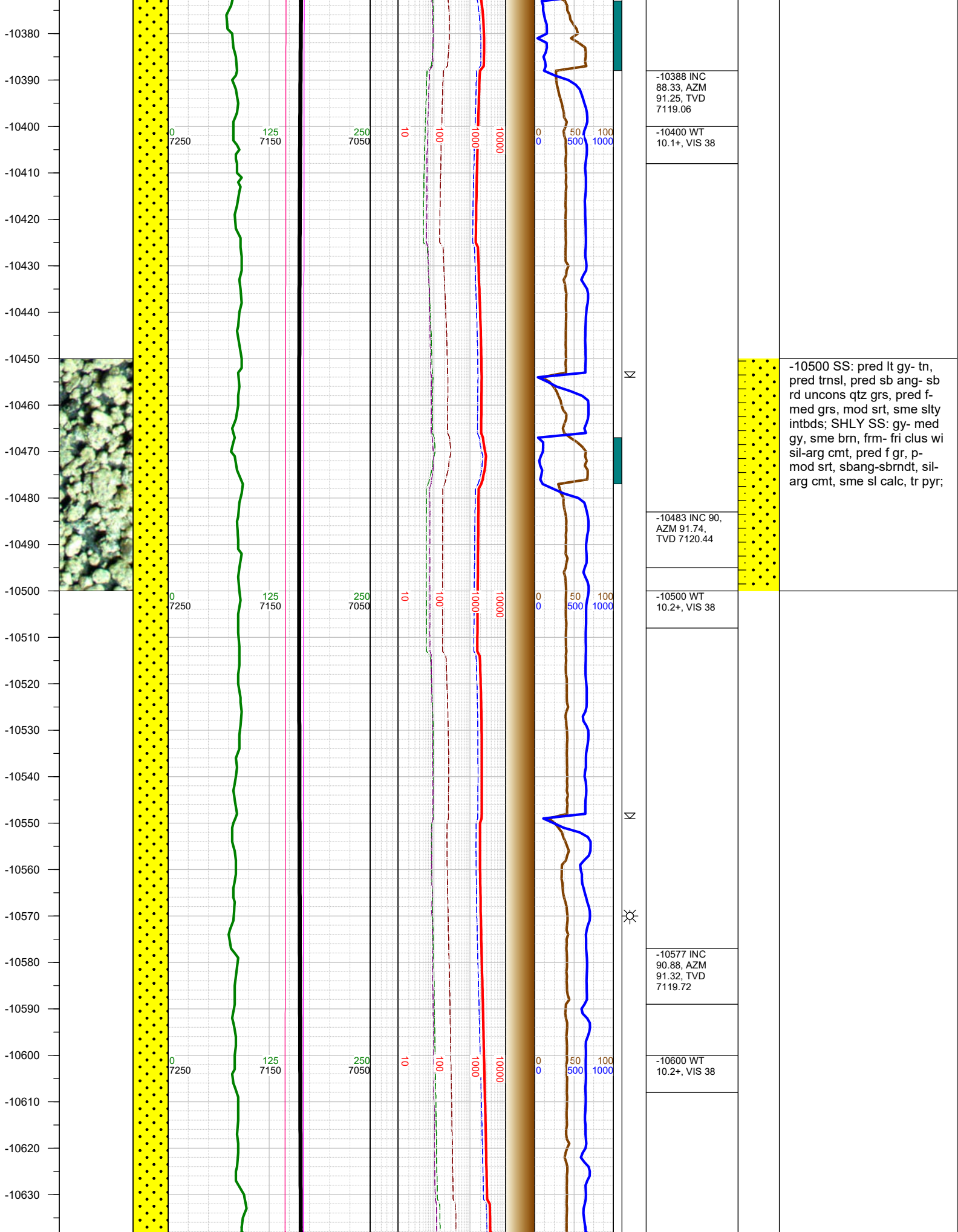
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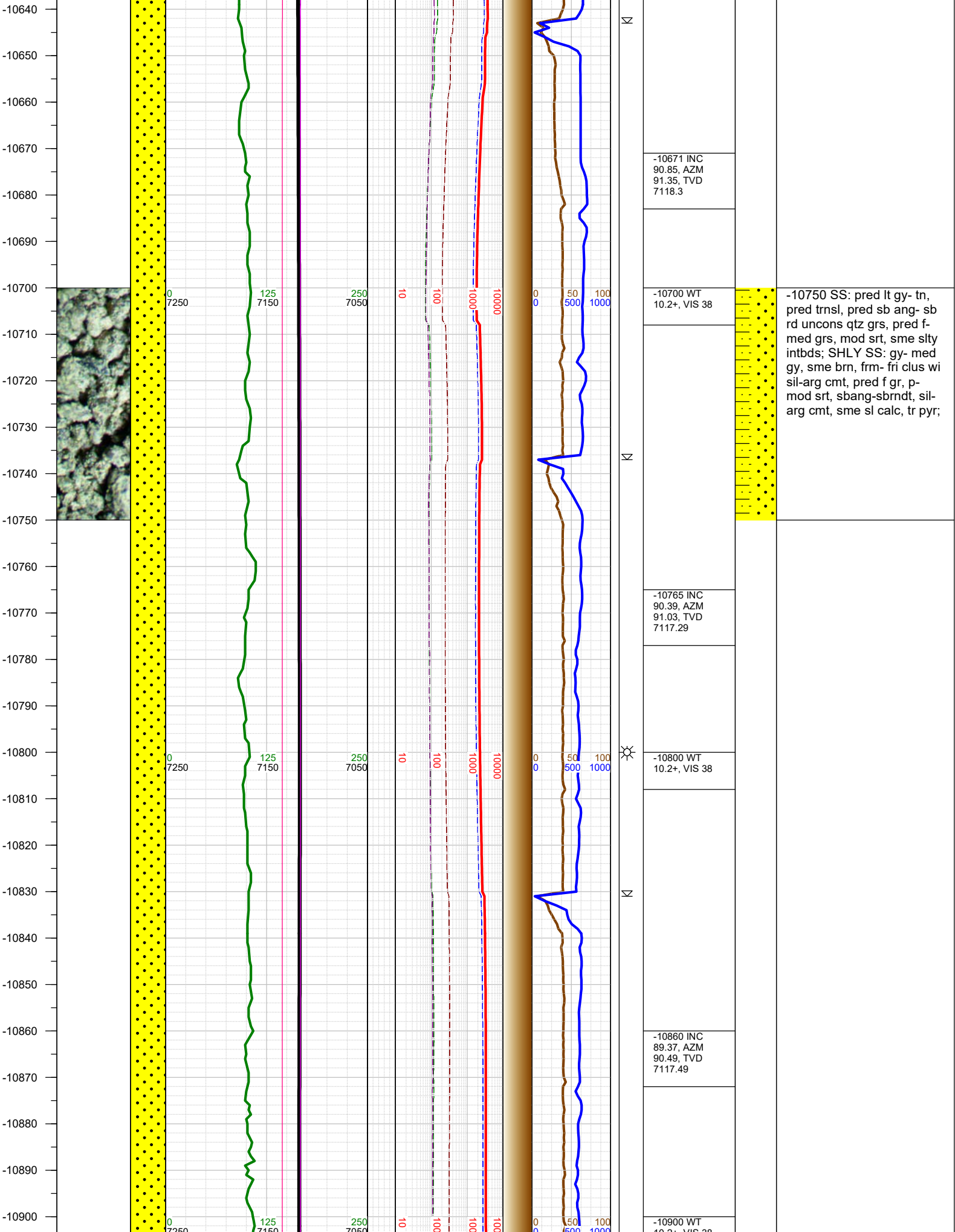


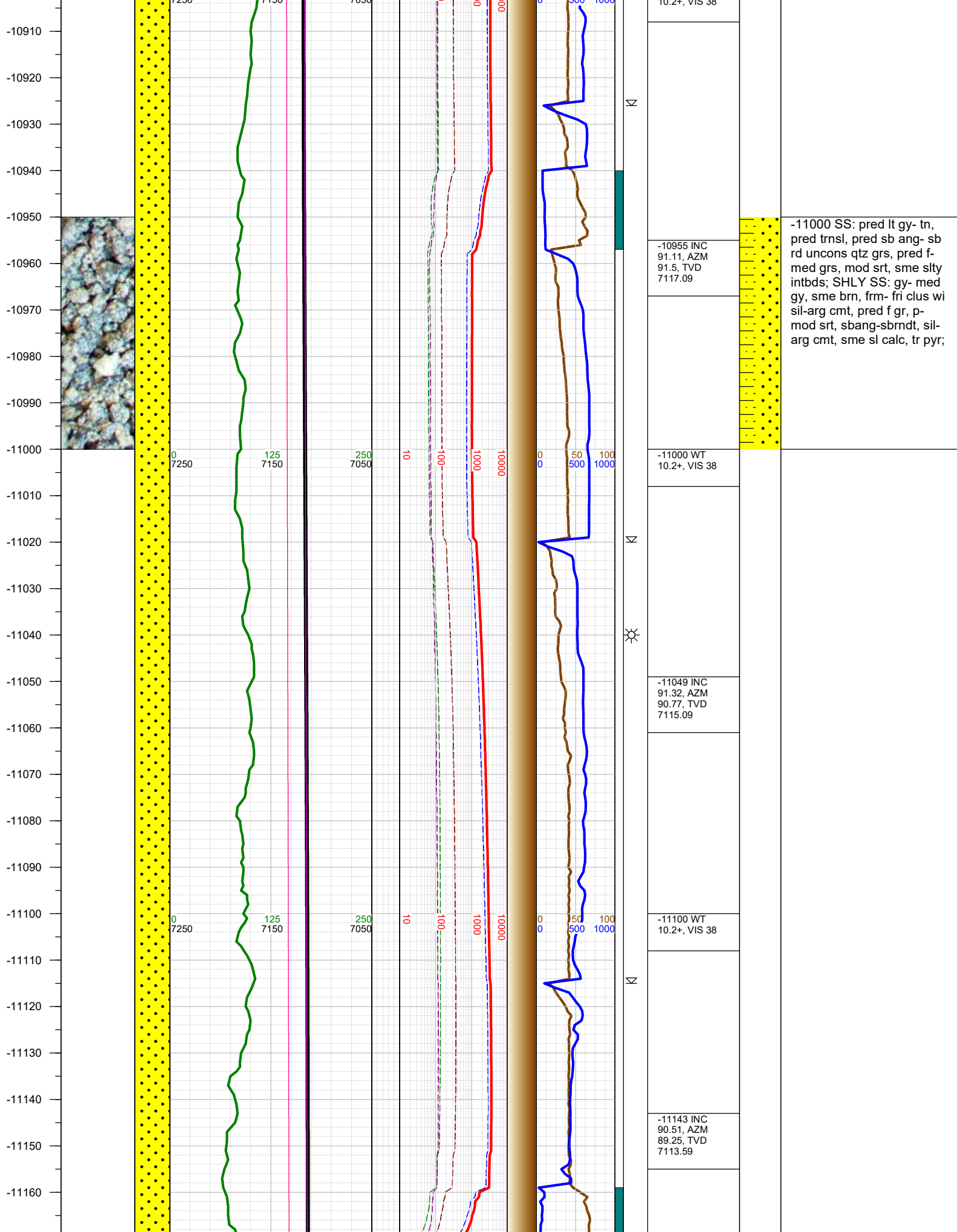
90.06, AZM 89, TVD 7111.65
-10120 WT 10.2, VIS 38
-10200 INC 88.21, AZM 88.27, TVD 7113.09
-10220 WT 10.2, VIS 38
-10294 INC 88.09, AZM 89.54, TVD 7116.12
-10310 WT 10.2, VIS 38



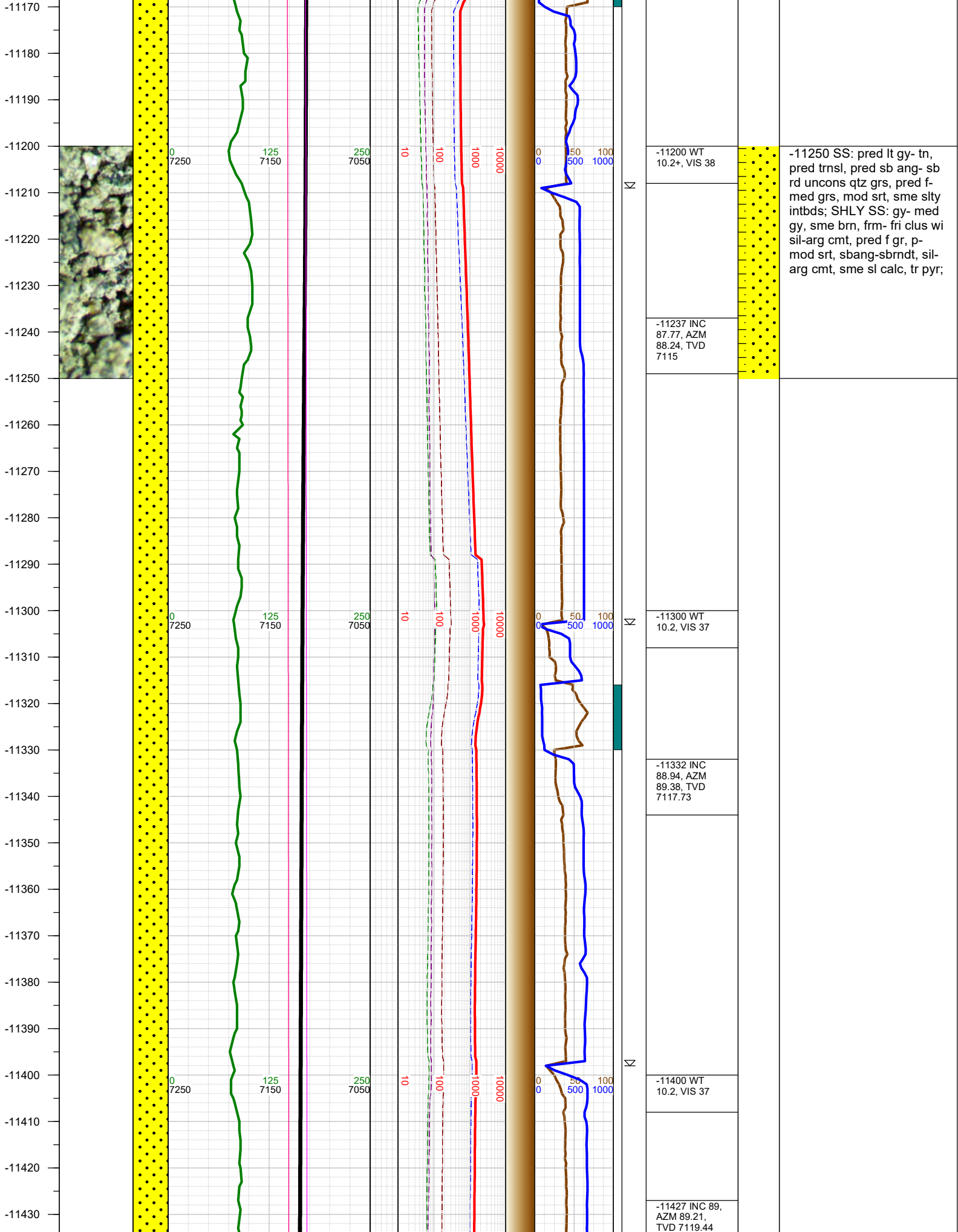
-10250 SS: pred lt brn- gy,  
pred trnsf, pred sb ang-sb  
rd uncons qtz grs, sme , f-  
med grs, mod- p srt, sme  
silty intbds; SHLY SS: lt-  
med gy-brn, frm- fri clus  
w/sil-arg cmt, f gr, mod-w  
srt, sbang-sbrndt, sil-arg  
cmt, sme sl calc, tr pyr;

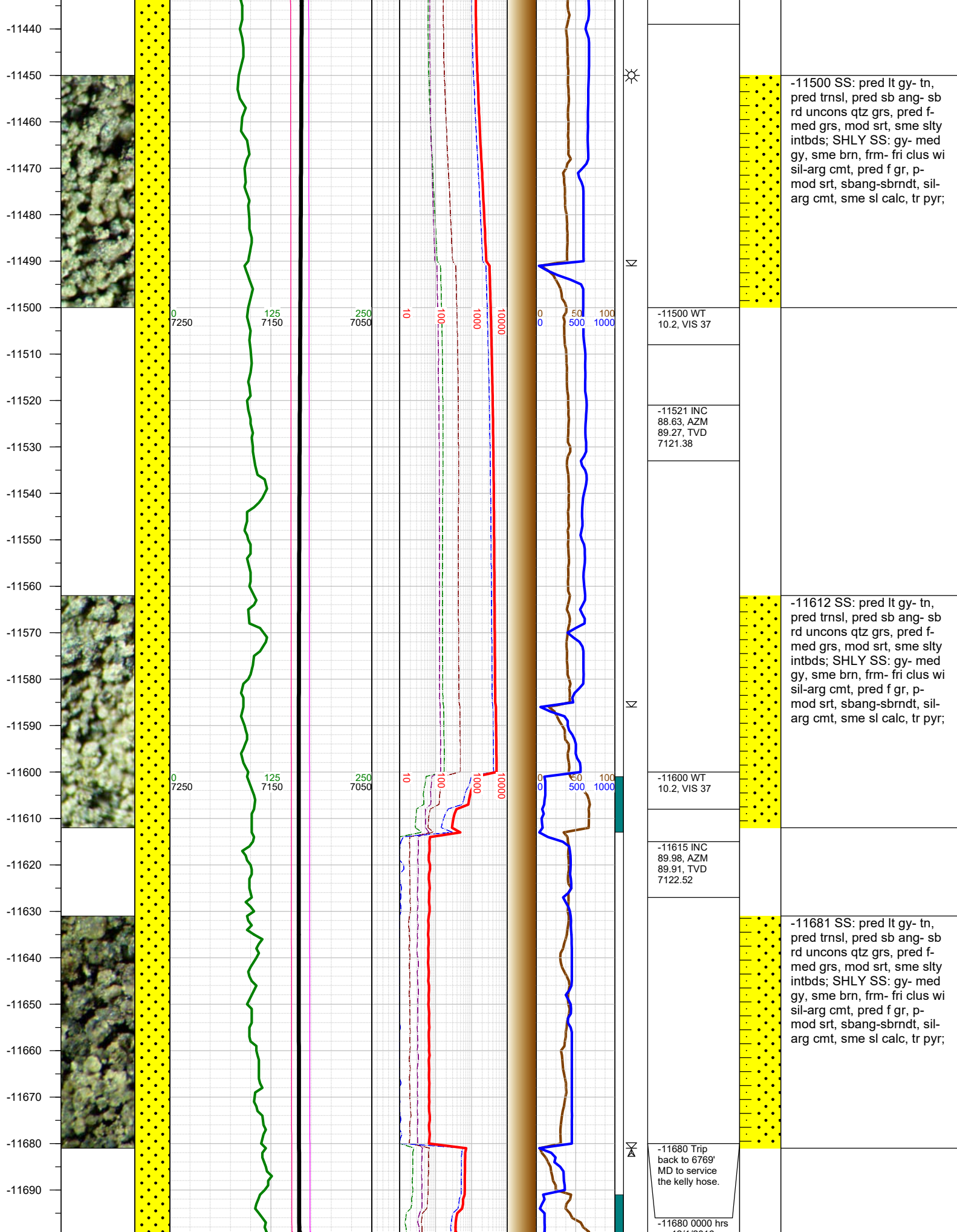


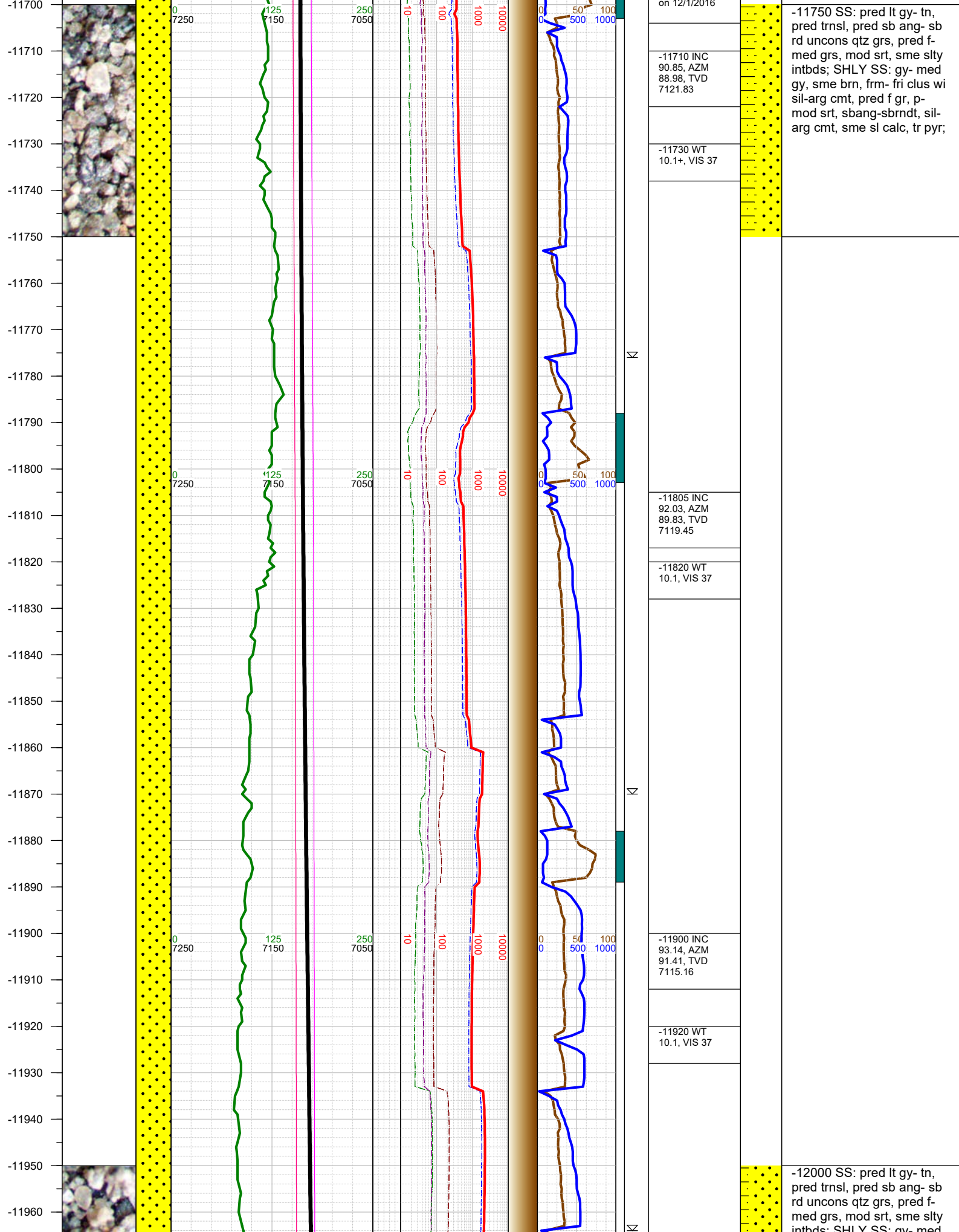




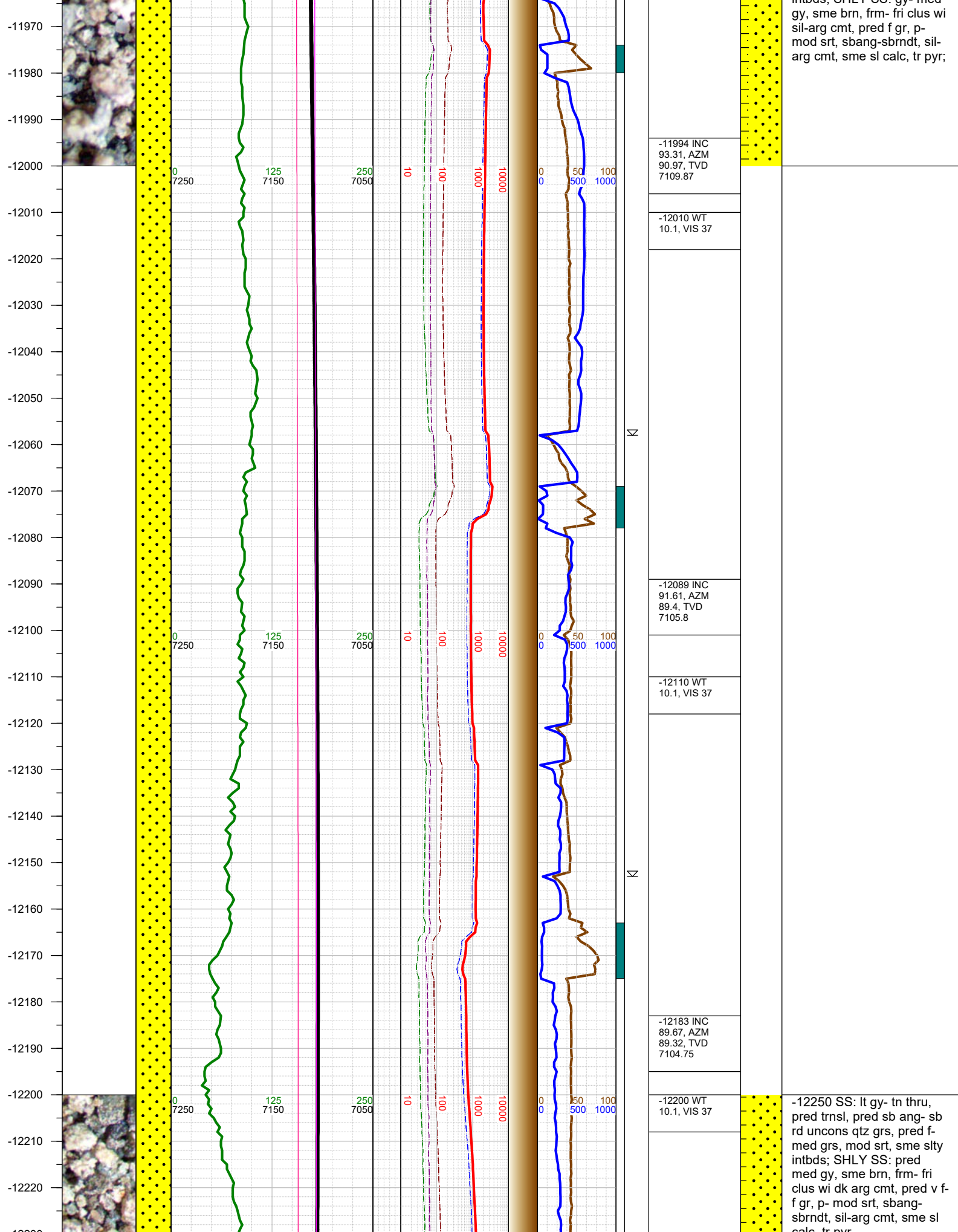


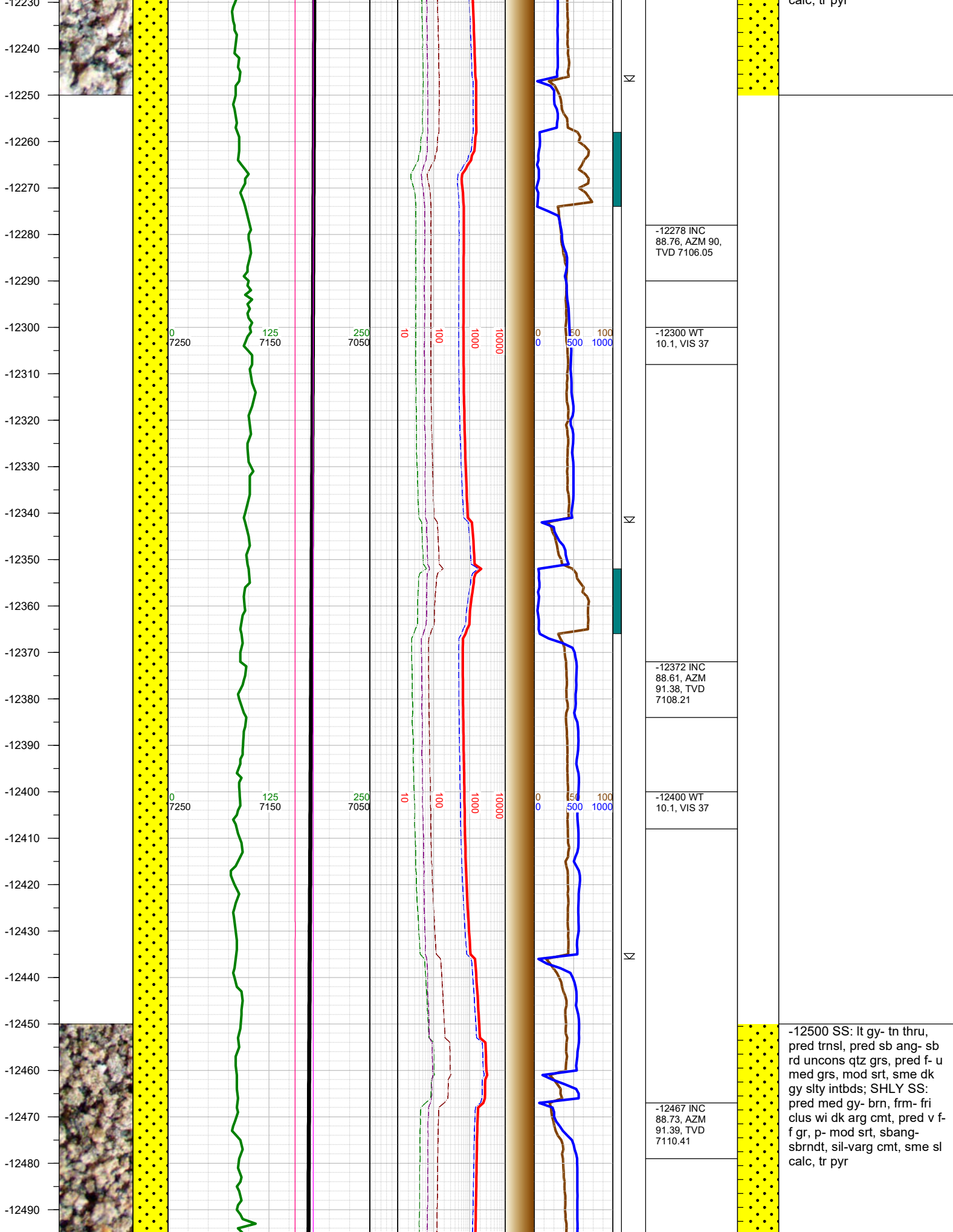


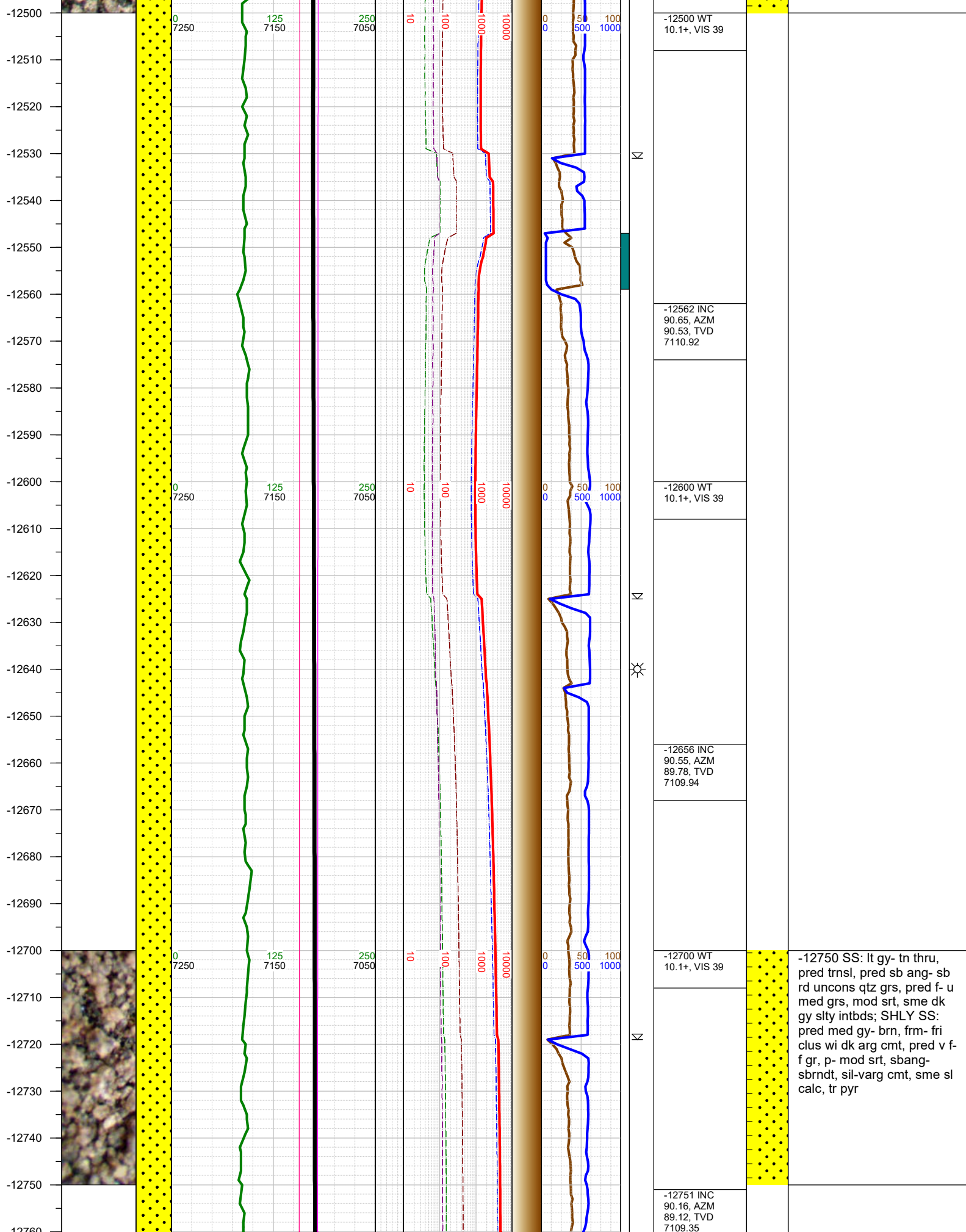






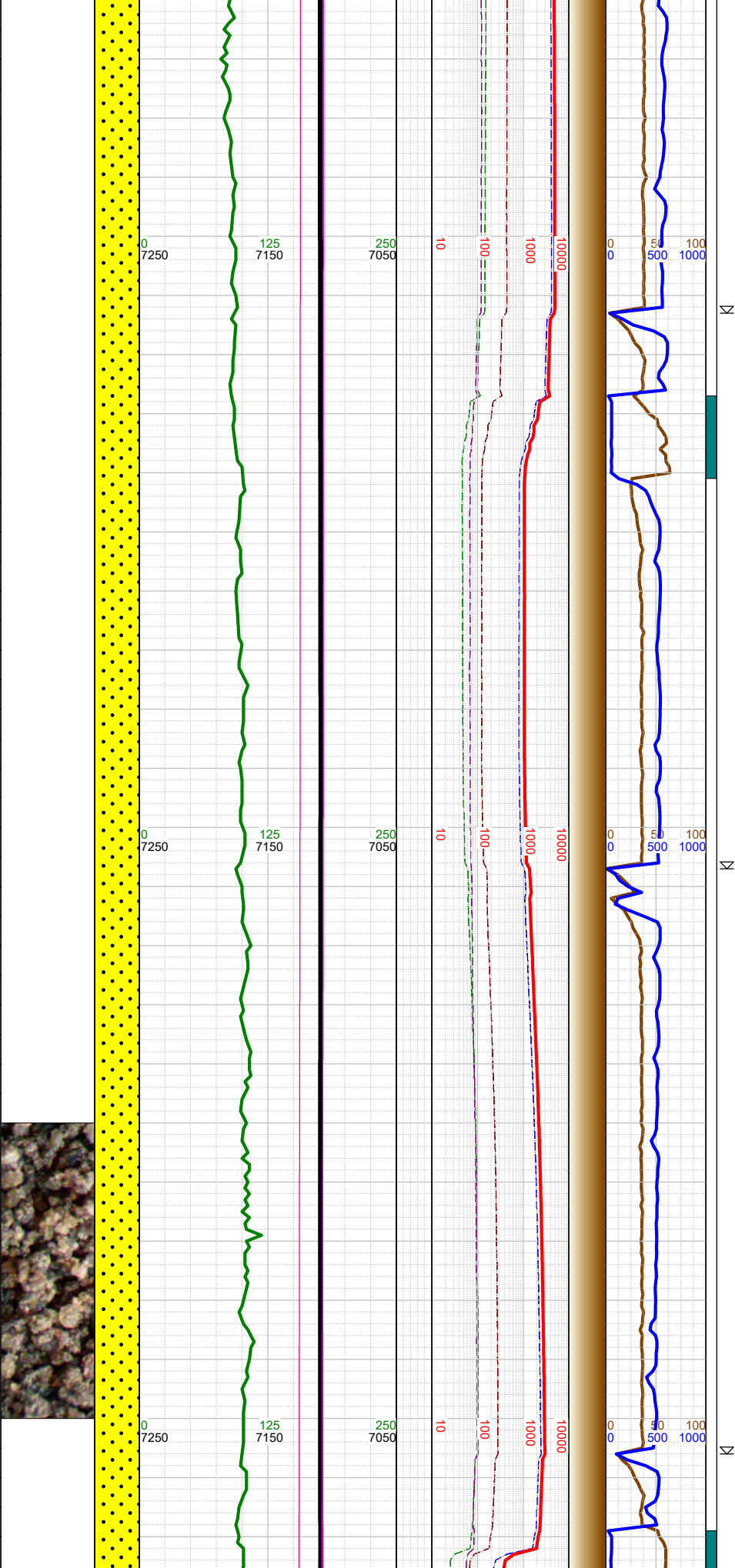




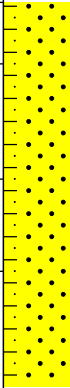
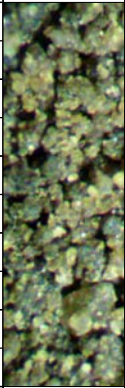
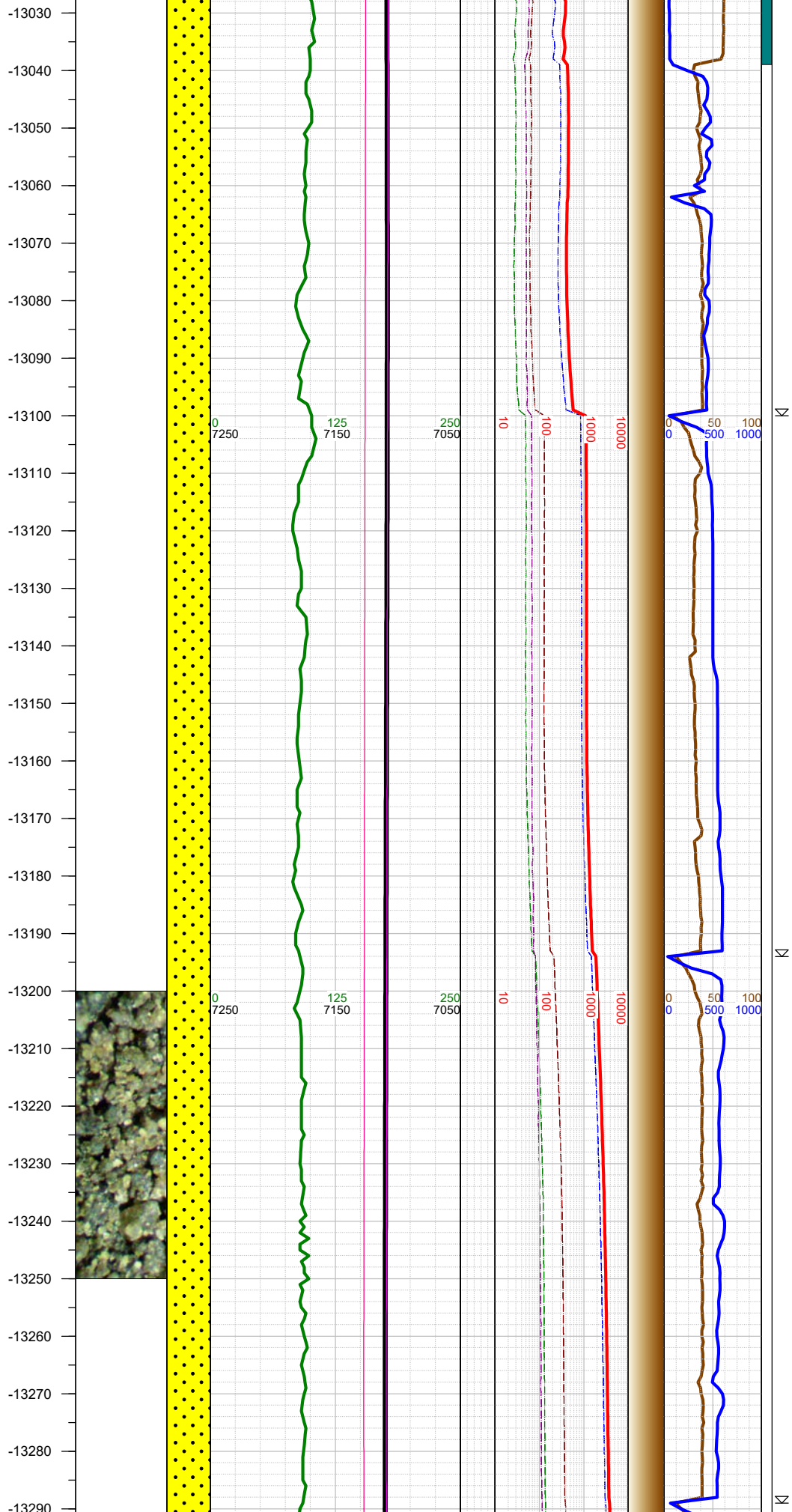




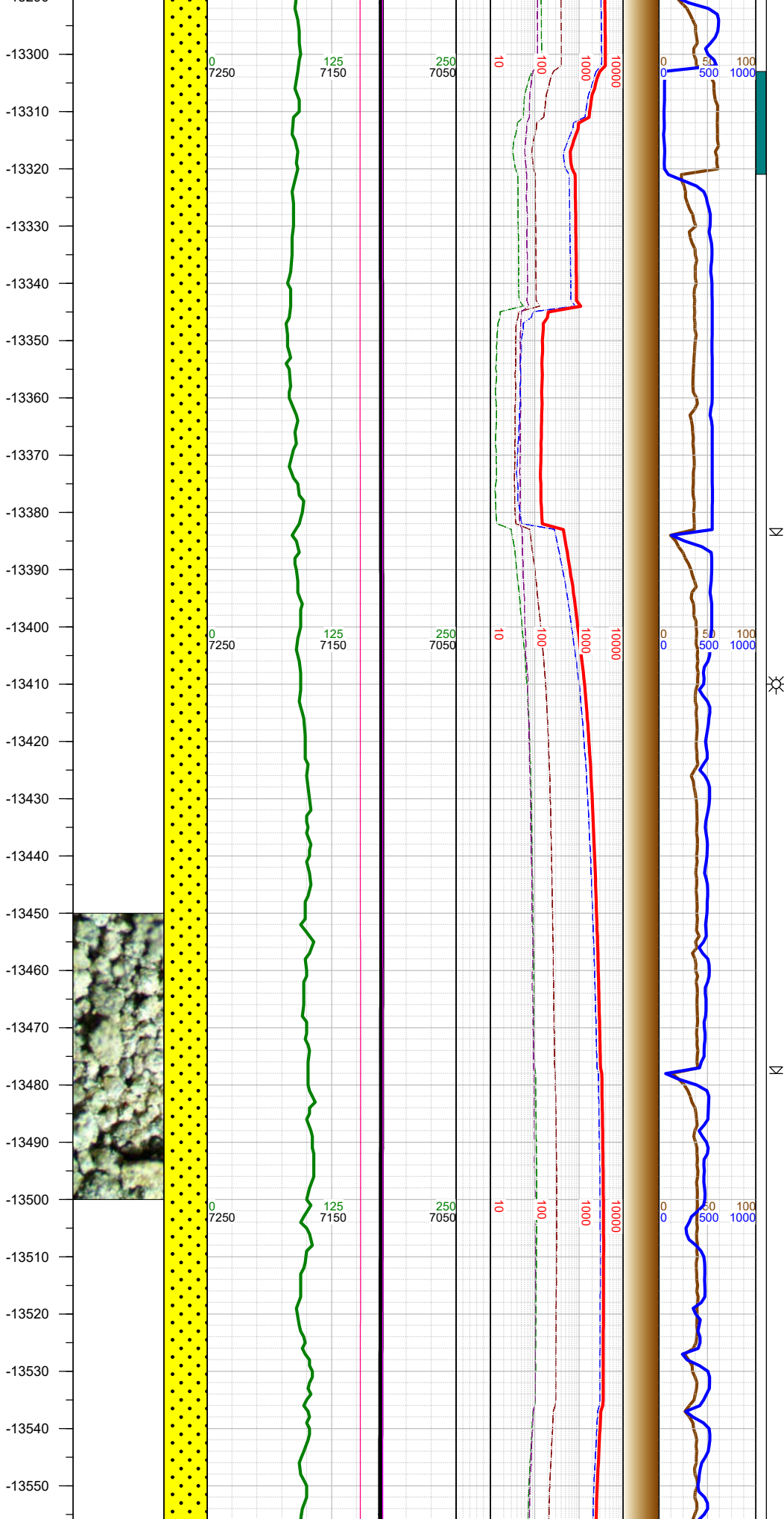
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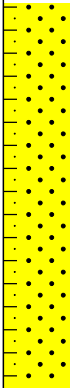
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-13250 SS: lt gy- offwht thru, pred trns, pred sb ang- sb rd unconsl qtz grs, pred f- u med grs, mod srt, sme dk gy slty intbds; SHLY SS: pred med gy-brn, frm- fri clus wi dk arg cmt, pred v f- f gr, p- mod srt, sbang-sbrndt, sil-varg cmt, sme sl calc, tr pyr



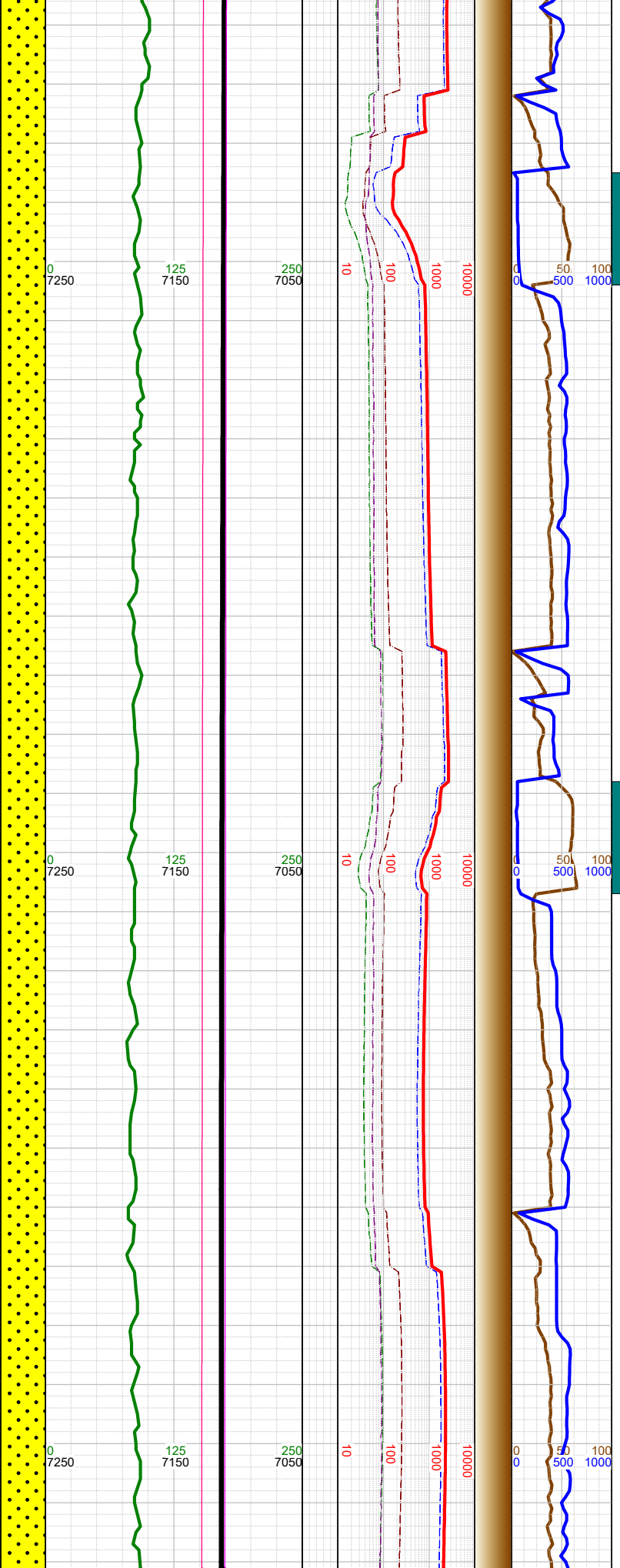
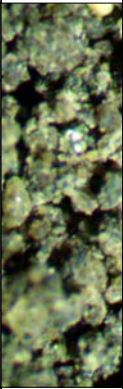
-13300 WT 10+, VIS 38
-13318 INC 90.26, AZM 90.29, TVD 7110.21
-13400 WT 10+, VIS 38
-13412 INC 90.17, AZM 89.85, TVD 7109.86
-13506 INC 89.33, AZM 88.47, TVD 7110.27
-13520 WT 10+, VIS 38



-13500 SS: lt gy- offwht thru, pred trnsl grs, pred sb ang- sb rd unconsl qtz grs, pred f- u med grs, mod srt, sme dk gy slty intbds; SHLY SS: pred med gy-brn, frm- fri clus wi dk arg cmt, pred v f- f gr, p- mod srt, sbang-sbrndt, sil-varg cmt, sme sl calc, tr pyr

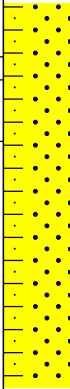


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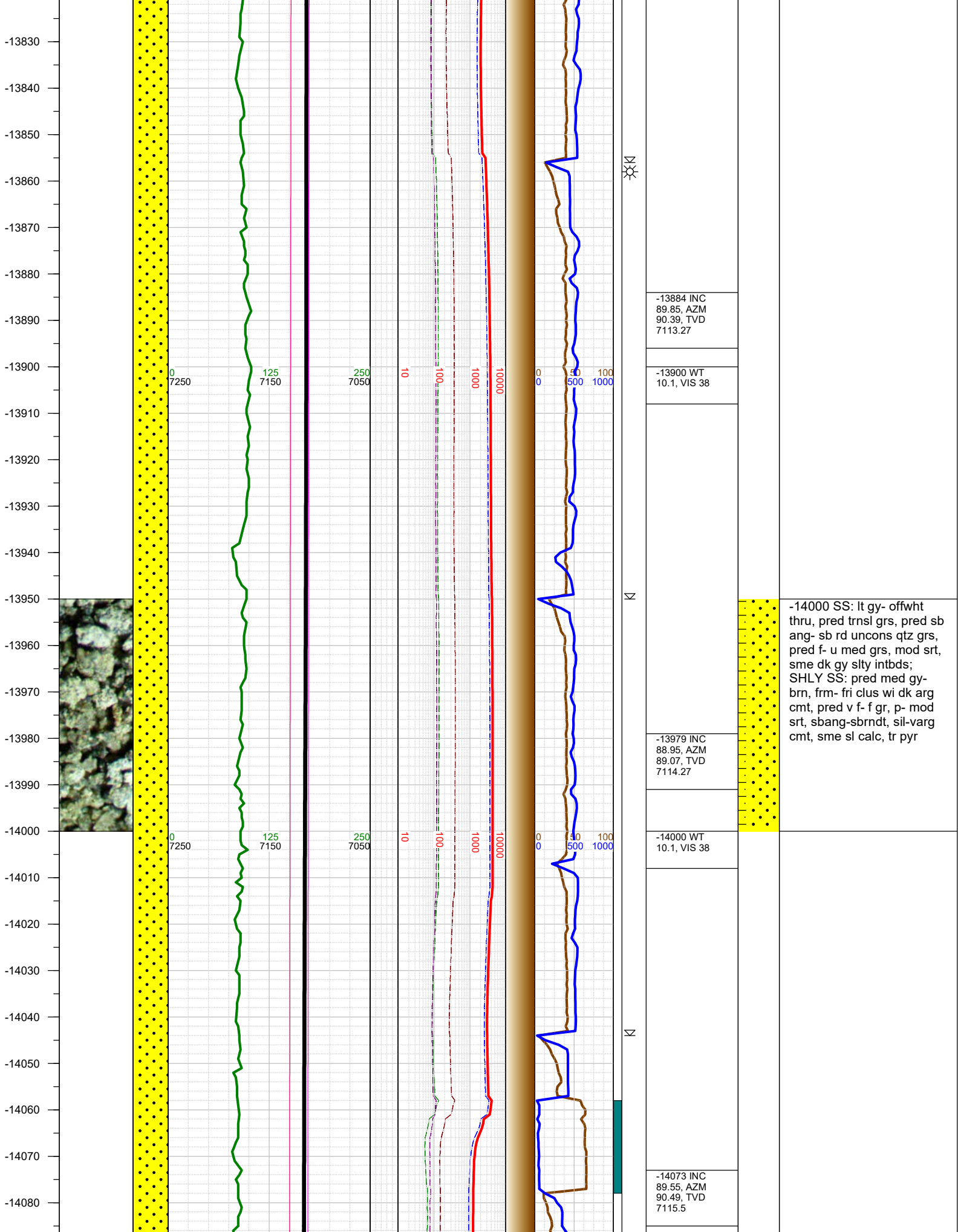


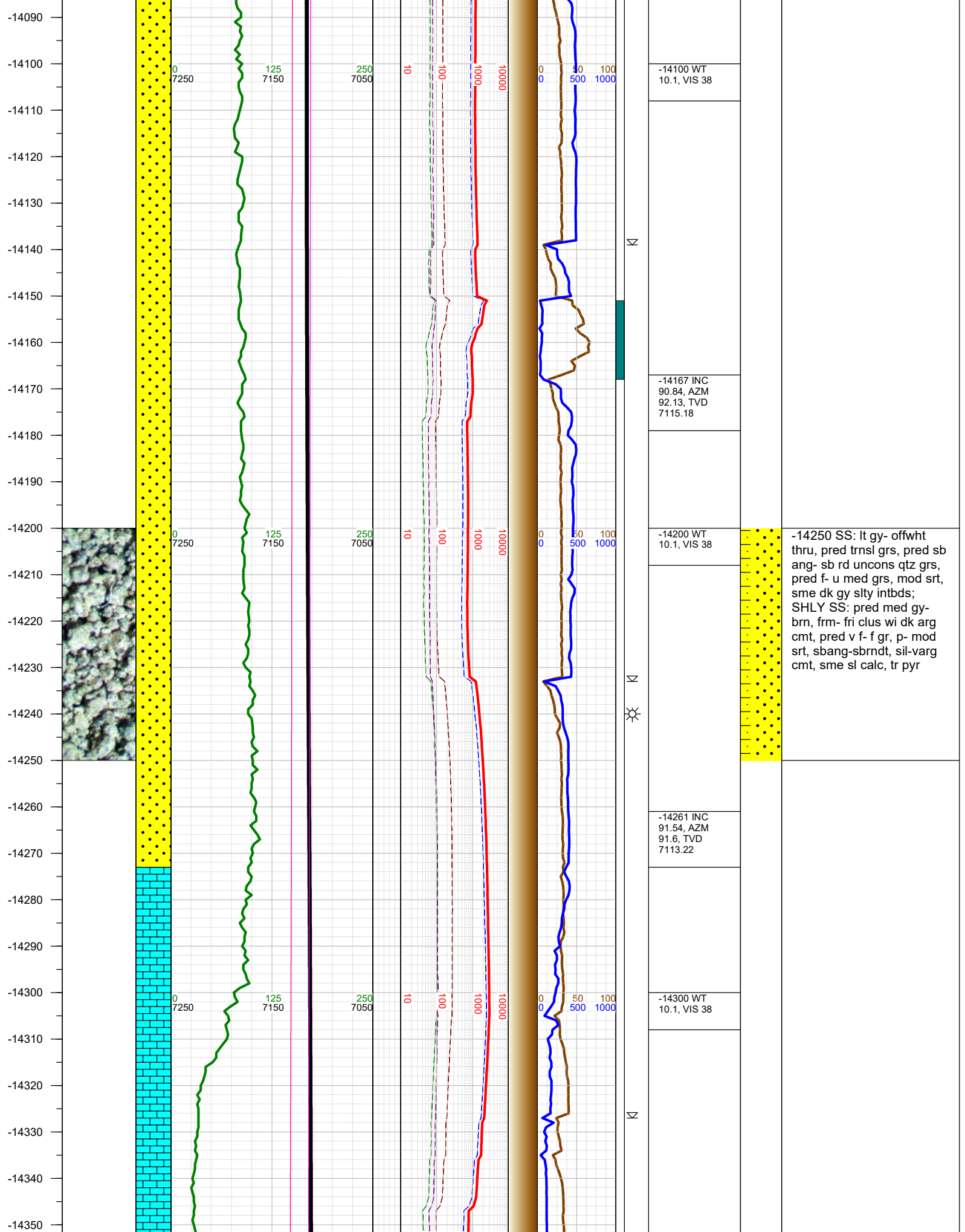
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-13601 INC 89.22, AZM 89.04, TVD 7111.47
-13620 WT 10+, VIS 38
-13695 INC 89.37, AZM 90.87, TVD 7112.63
-13710 WT 10.1, VIS 38
-13790 INC 90, AZM 91.42, TVD 7113.15
-13810 WT 10.1, VIS 38

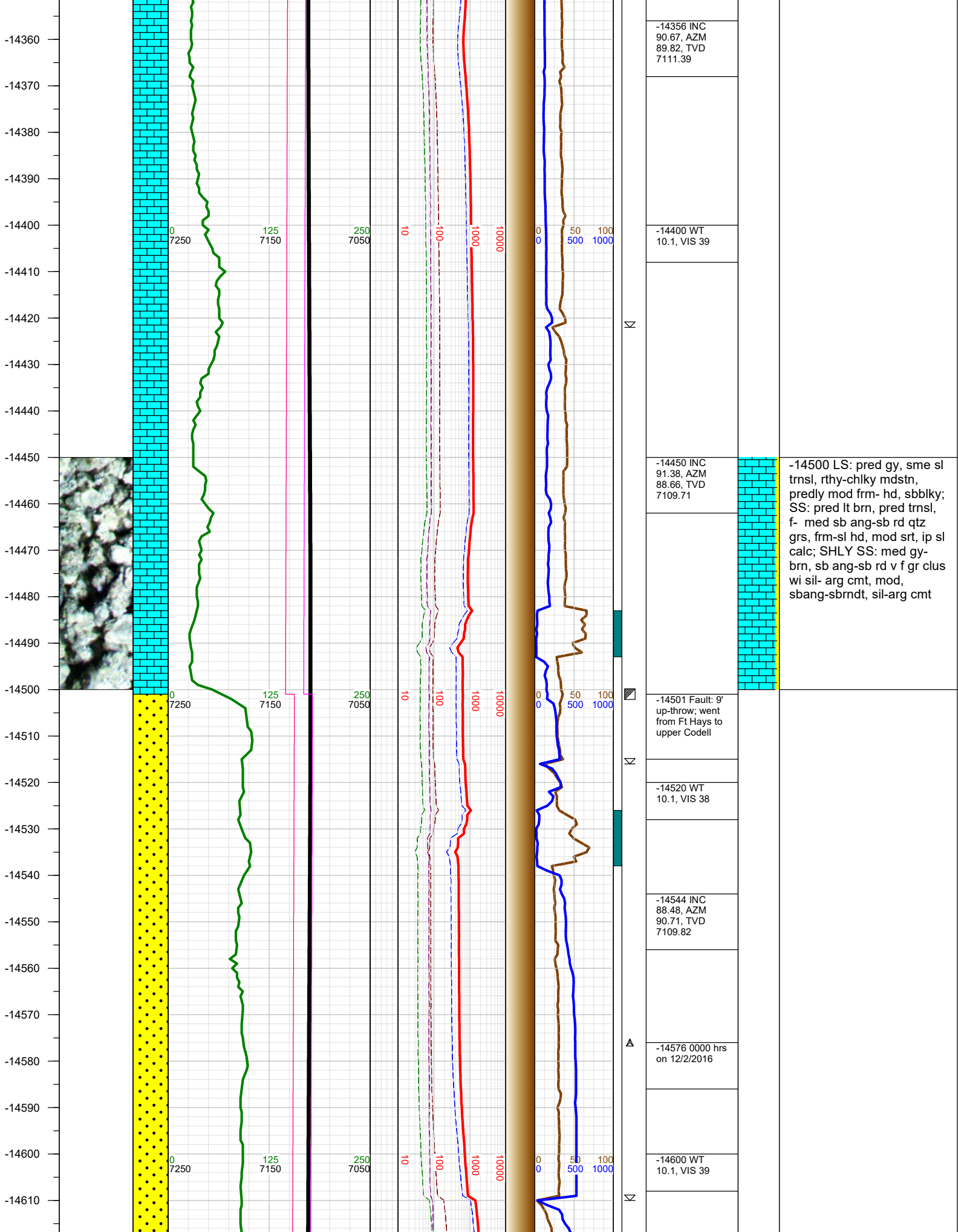


-13750 SS: lt gy- offwht  
thru, pred trnsl grs, pred sb  
ang- sb rd unconsl qtz grs,  
pred f- u med grs, mod srt,  
sme dk gy slty intbds;  
SHLY SS: pred med gy-  
brn, frm- fri clus wi dk arg  
cmt, pred v f- f gr, p- mod  
srt, sbang-sbrndt, sil-varg  
cmt, sme sl calc, tr pyr



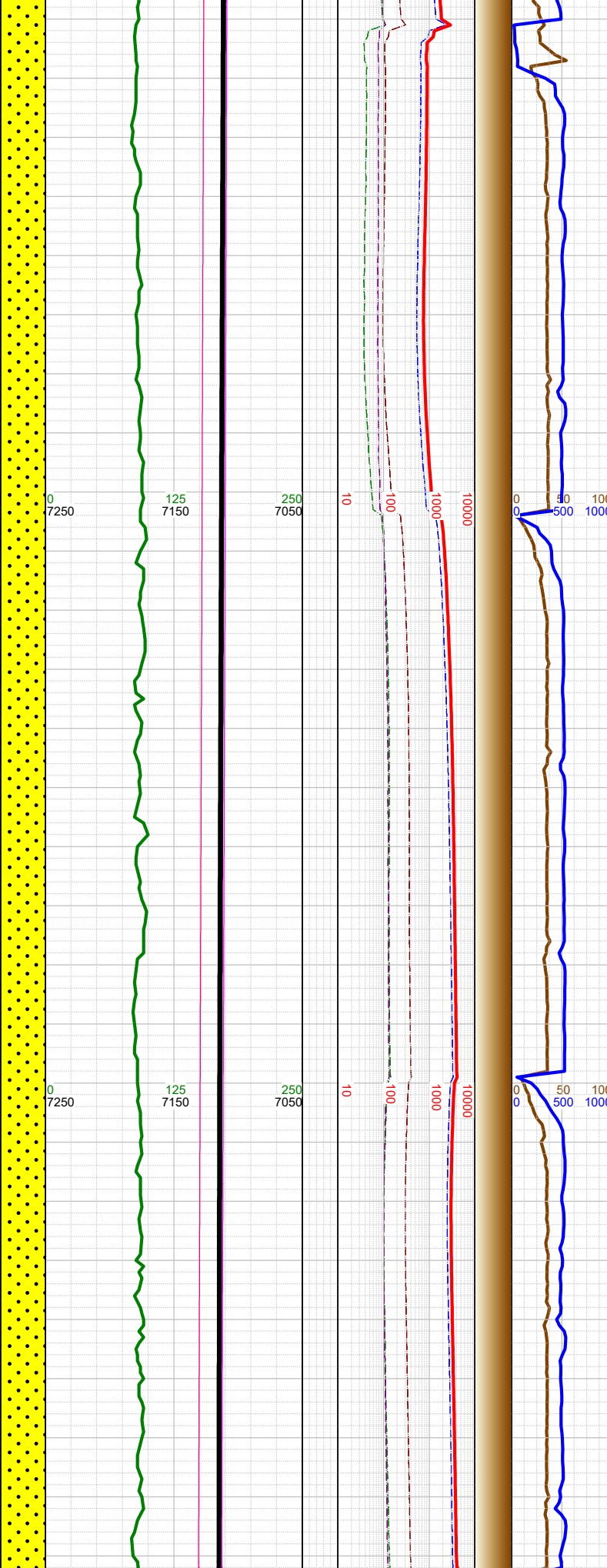
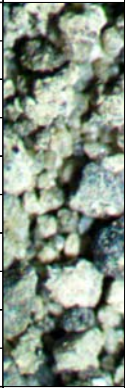






-14500 LS: pred gy, sme sl trns, rthy-chlky mdstn, predly mod frm- hd, sbbkly; SS: pred lt brn, pred trns, f- med sb ang-sb rd qtz grs, frm-sl hd, mod srt, ip sl calc; SHLY SS: med gy-brn, sb ang-sb rd v f gr clus wi sil- arg cmt, mod, sbang-sbrndt, sil-arg cmt

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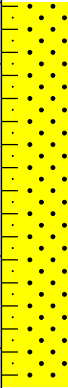
-14639 INC  
89.03, AZM  
91.07, TVD  
7111.89

-14700 WT  
10.1, VIS 39

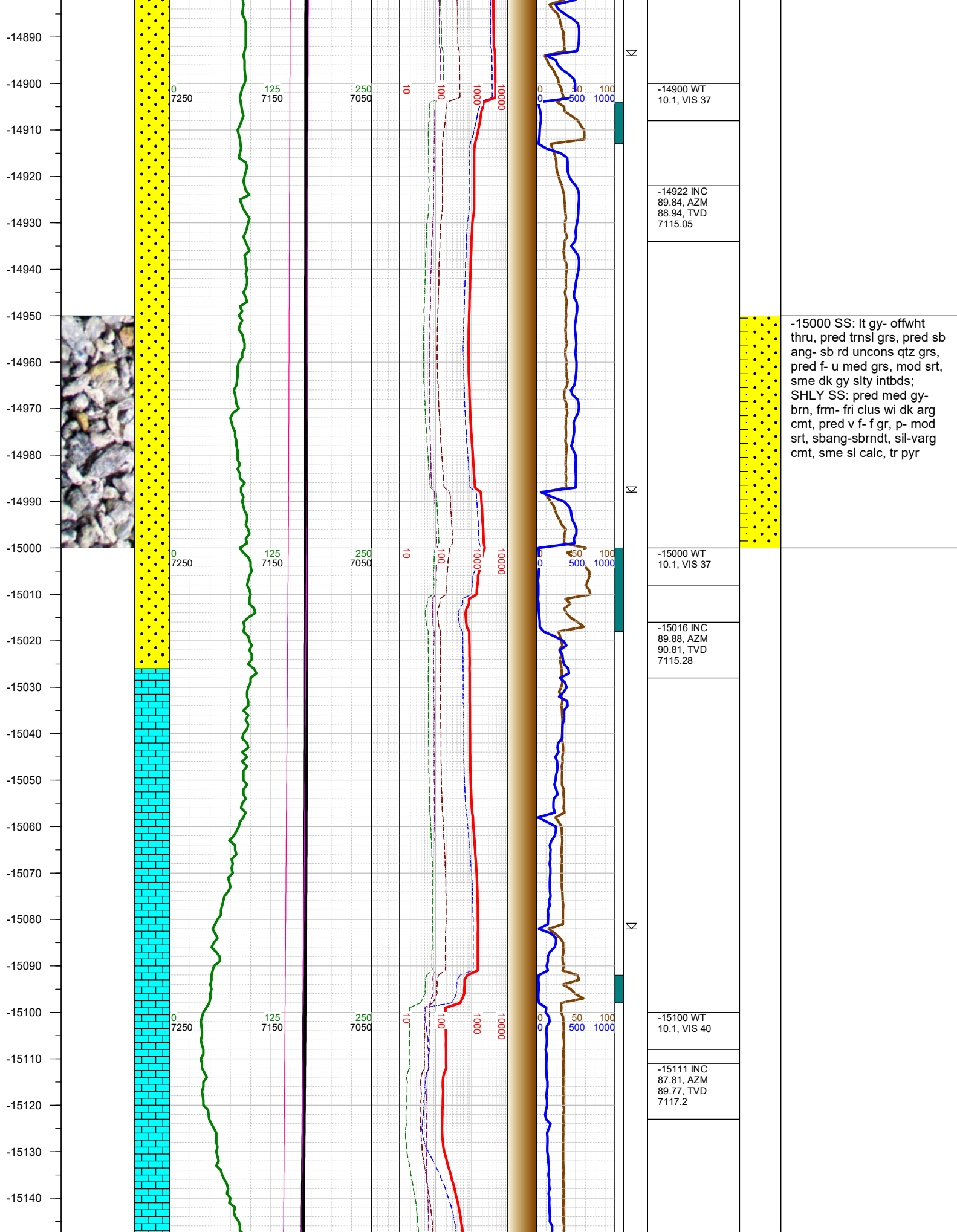
-14733 INC  
89.05, AZM  
90.27, TVD  
7113.46

-14800 WT  
10.1, VIS 39

-14827 INC  
89.59, AZM  
89.43, TVD  
7114.58

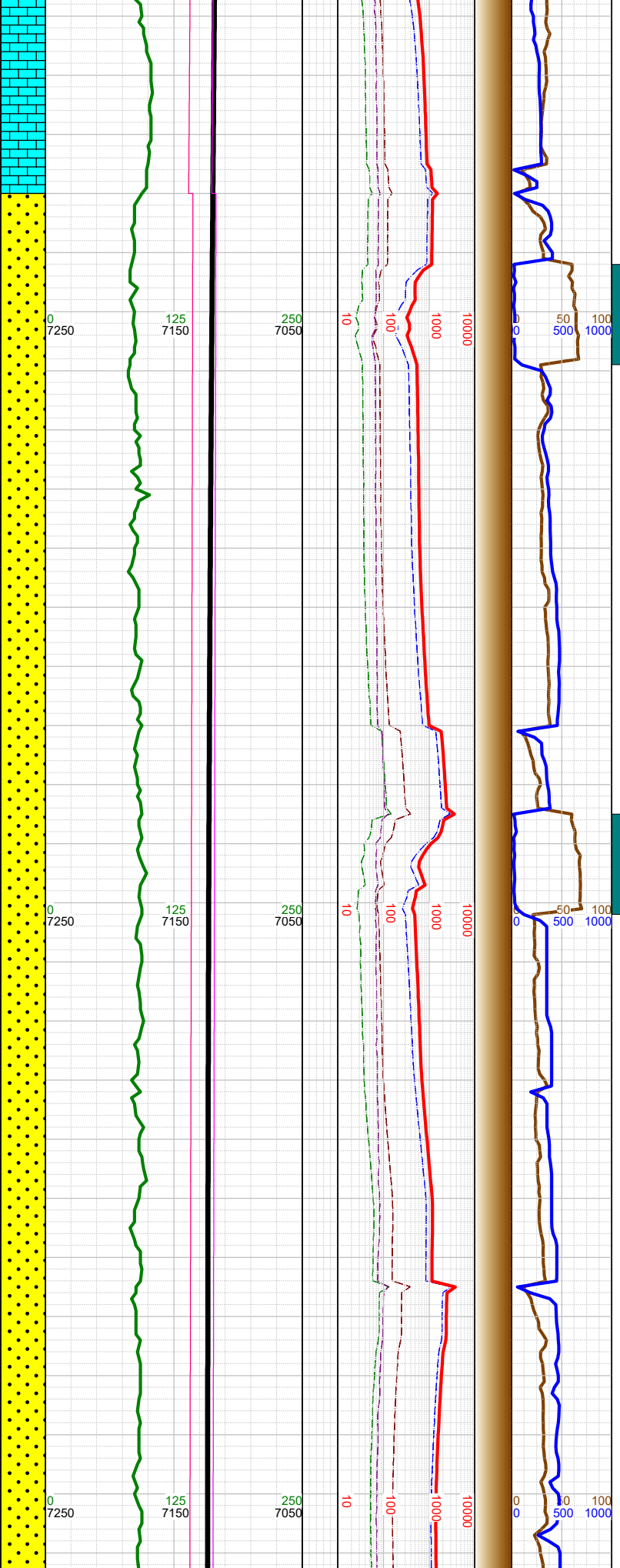
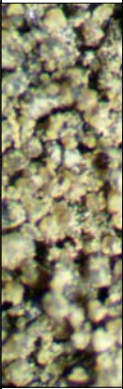


-14750 SS: lt gy- offwht  
thru, pred trnsl grs, pred sb  
ang- sb rd unconsl qtz grs,  
pred f- u med grs, mod srt,  
sme dk gy slty intbds;  
SHLY SS: pred med gy-  
brn, frm- fri clus wi dk arg  
cmt, pred v f- f gr, p- mod  
srt, sbang-sbrndt, sil-varg  
cmt, sme sl calc, tr pyr





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-15400  
-15410



-15180 Fault: 3'  
up-throw; went  
from Ft Hays to  
upper Codell

-15205 INC  
88.01, AZM  
89.94, TVD  
7120.62

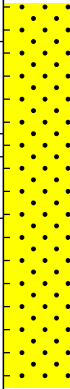
-15220 WT  
10.2+, VIS 41

-15300 INC  
89.14, AZM  
91.46, TVD  
7122.99

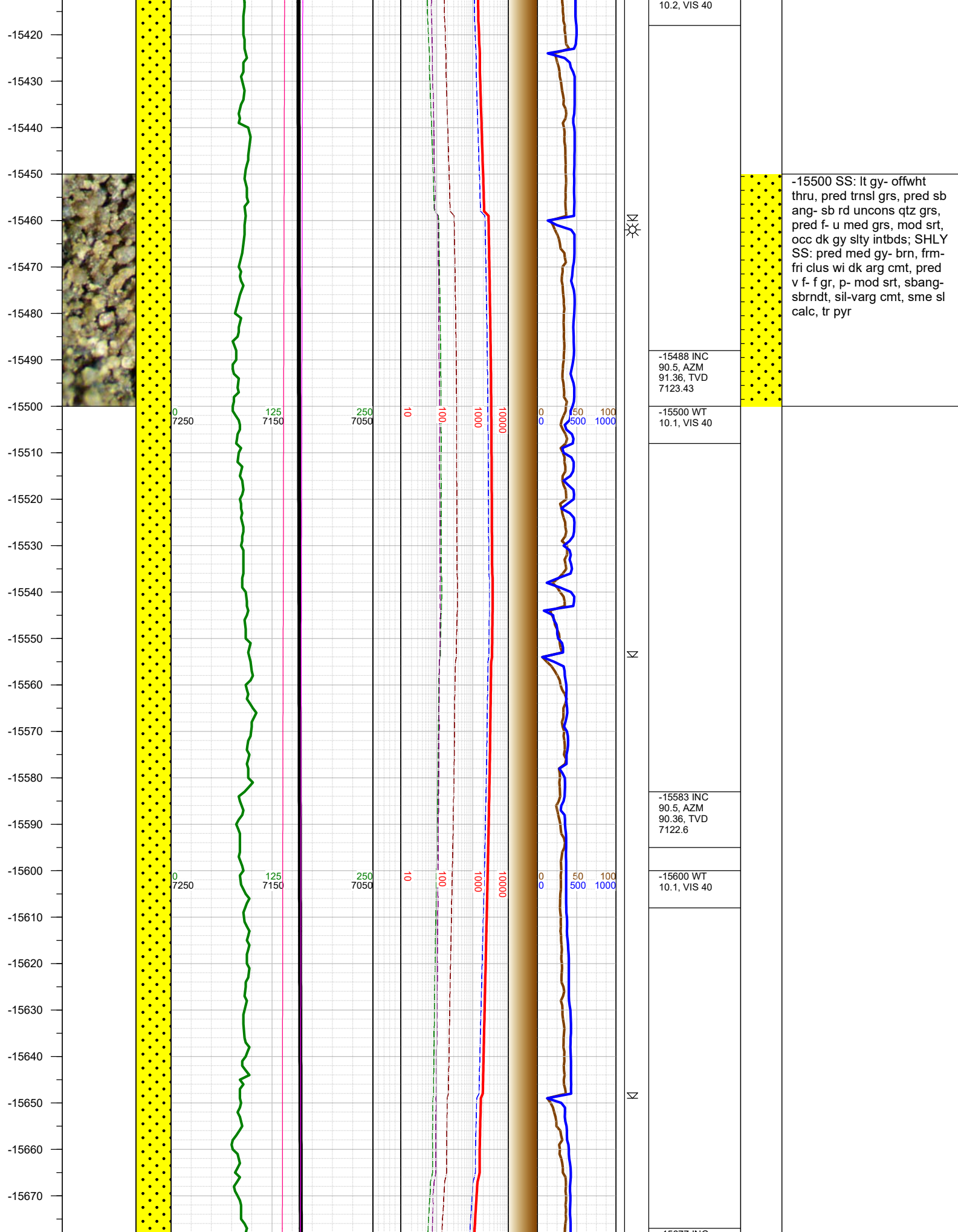
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10.2, VIS 40

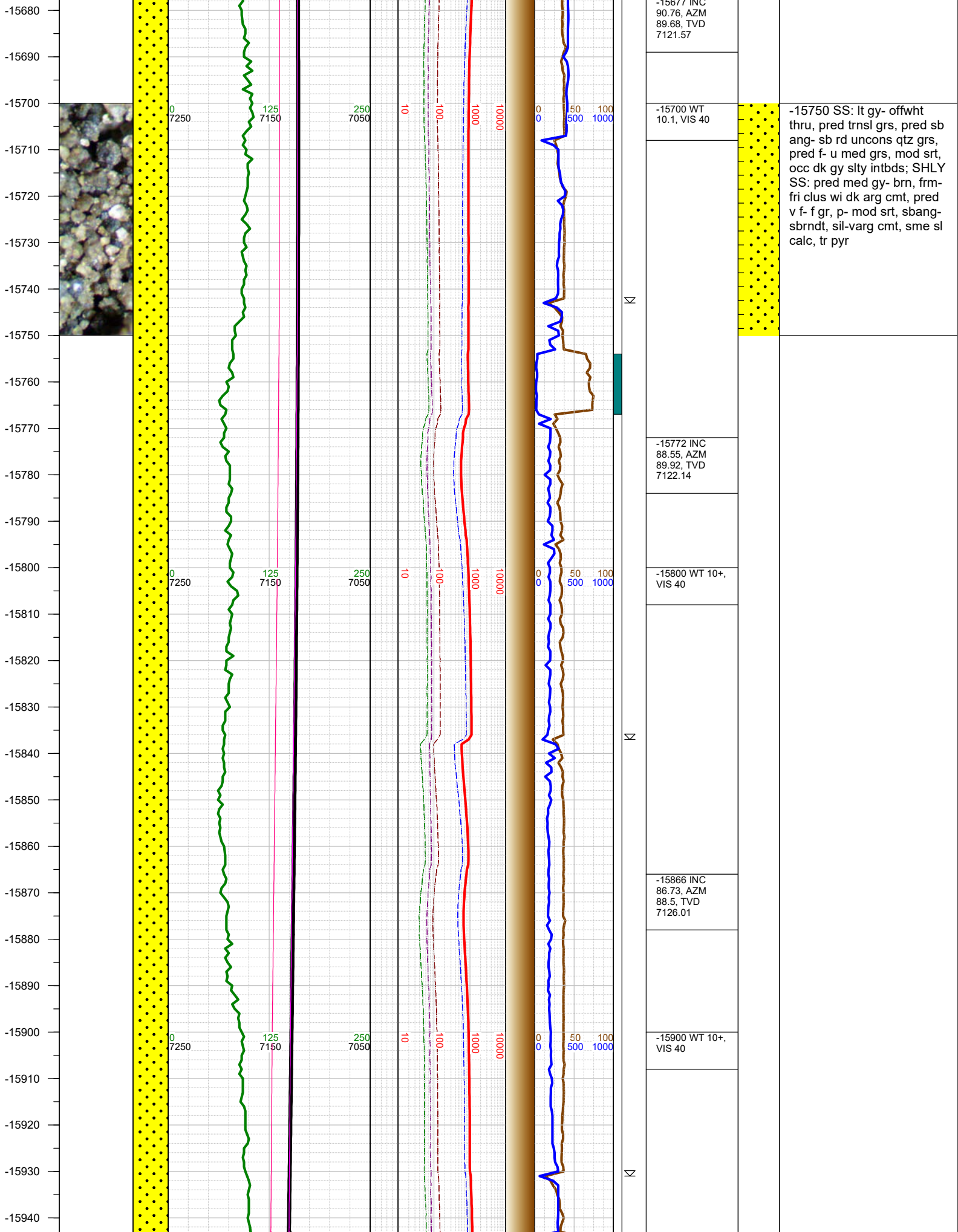
-15394 INC  
89.91, AZM  
91.62, TVD  
7123.77

-15410 WT

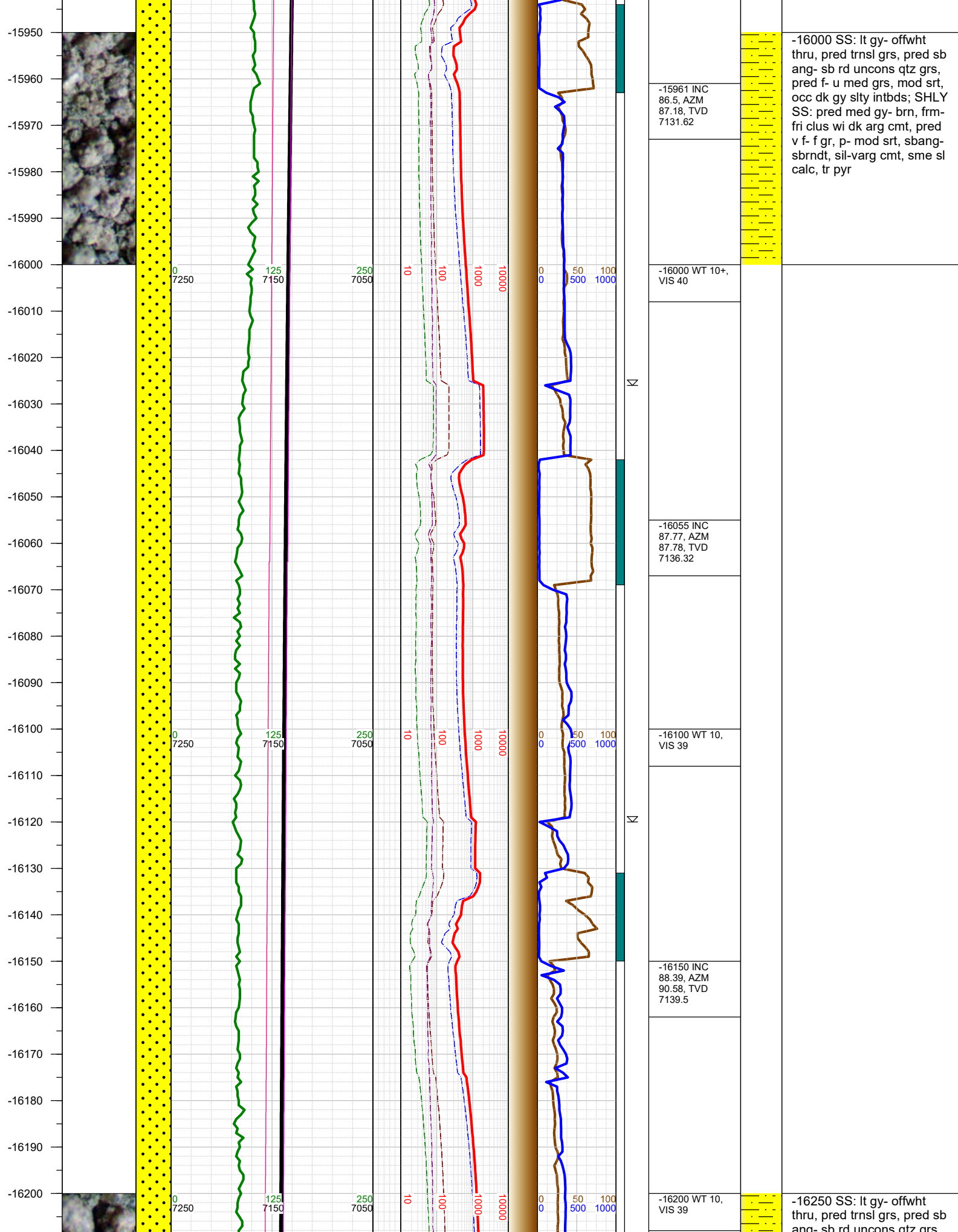


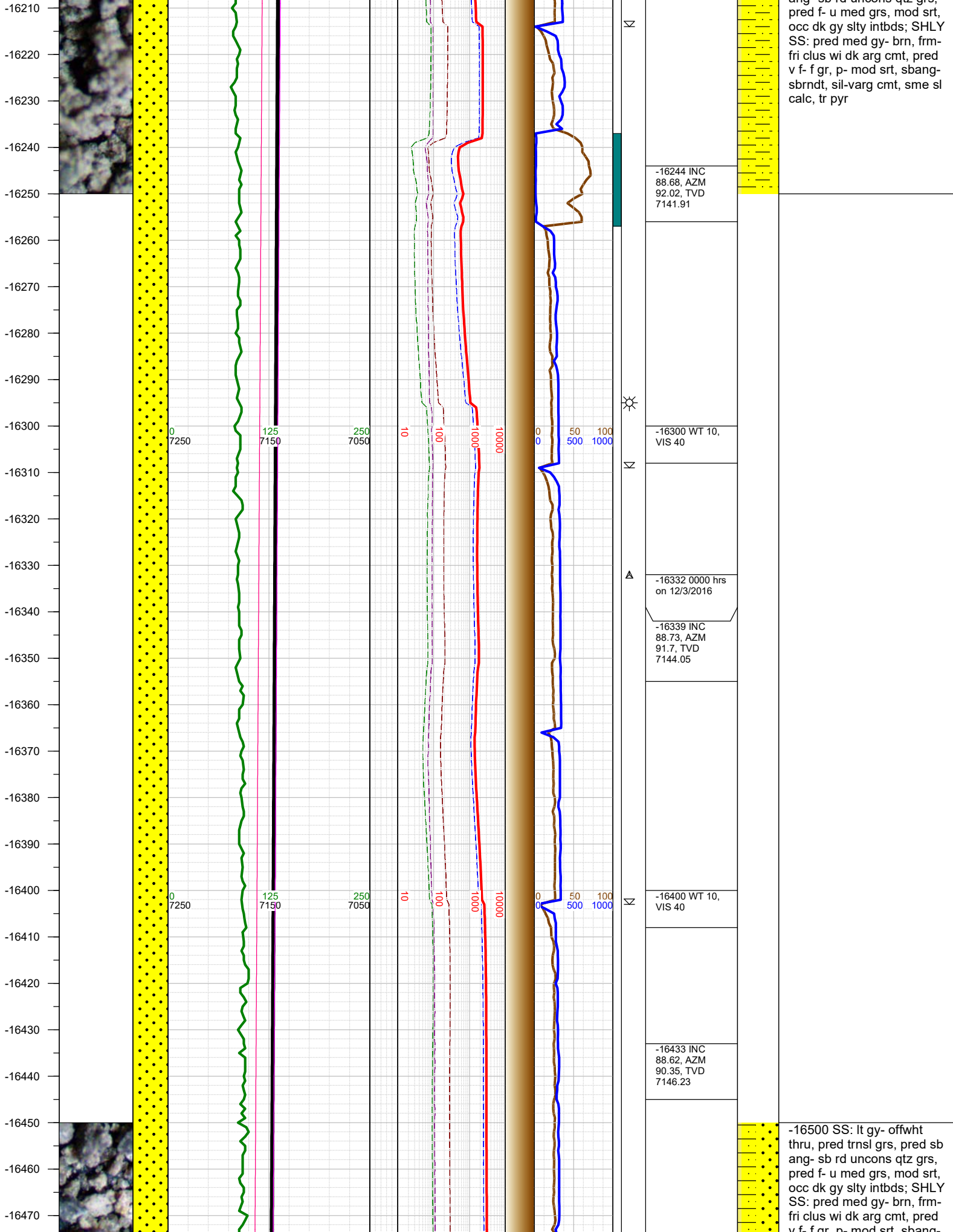
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thru, pred trnsl grs, pred sb  
ang- sb rd unconsl qtz grs,  
pred f- u med grs, mod srt,  
occ dk gy silty intbds; SHLY  
SS: pred med gy- brn, frm-  
fri clus wi dk arg cmt, pred  
v f- f gr, p- mod srt, sbang-  
sbrndt, sil-varg cmt, sme sl  
calc, tr pyr

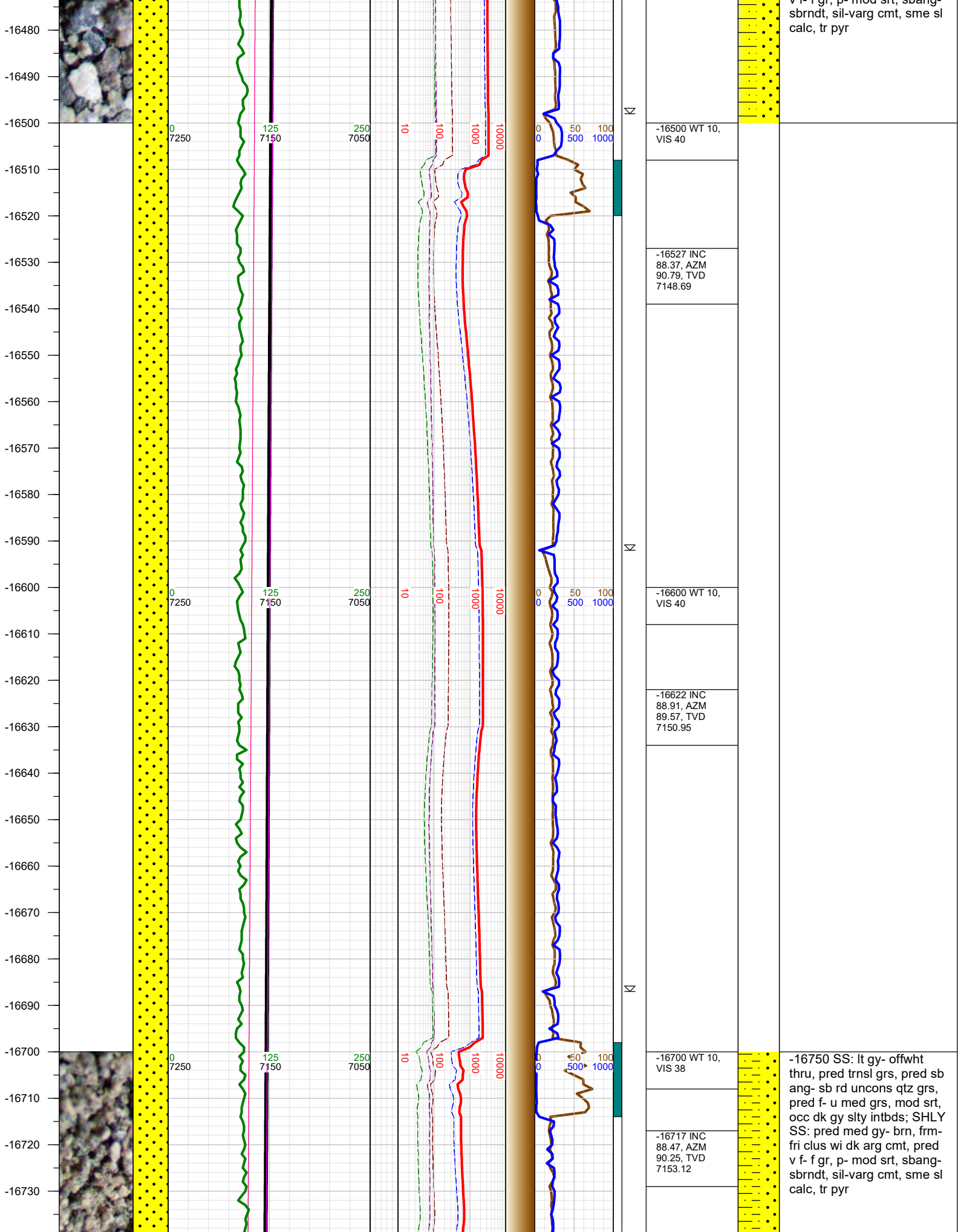




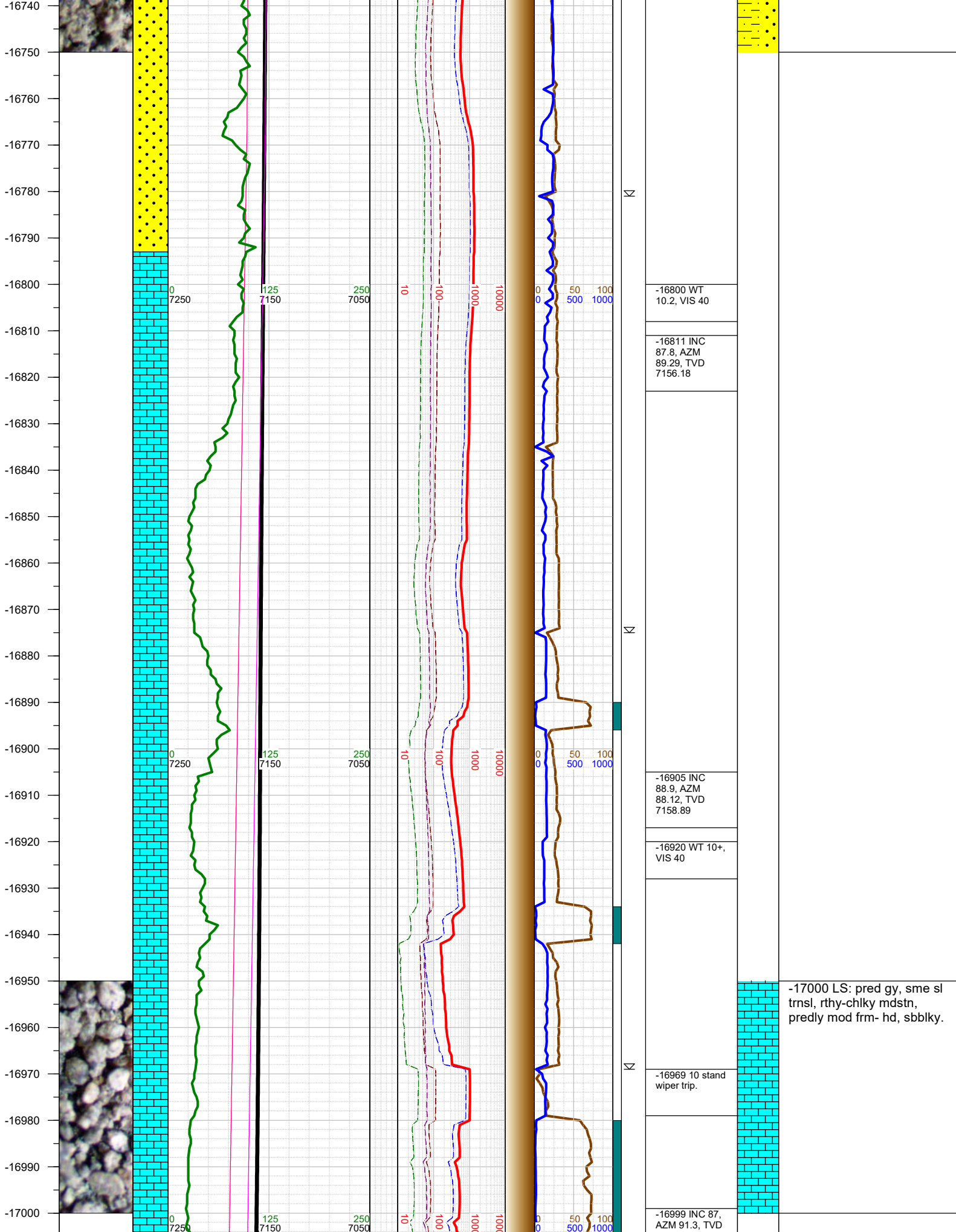


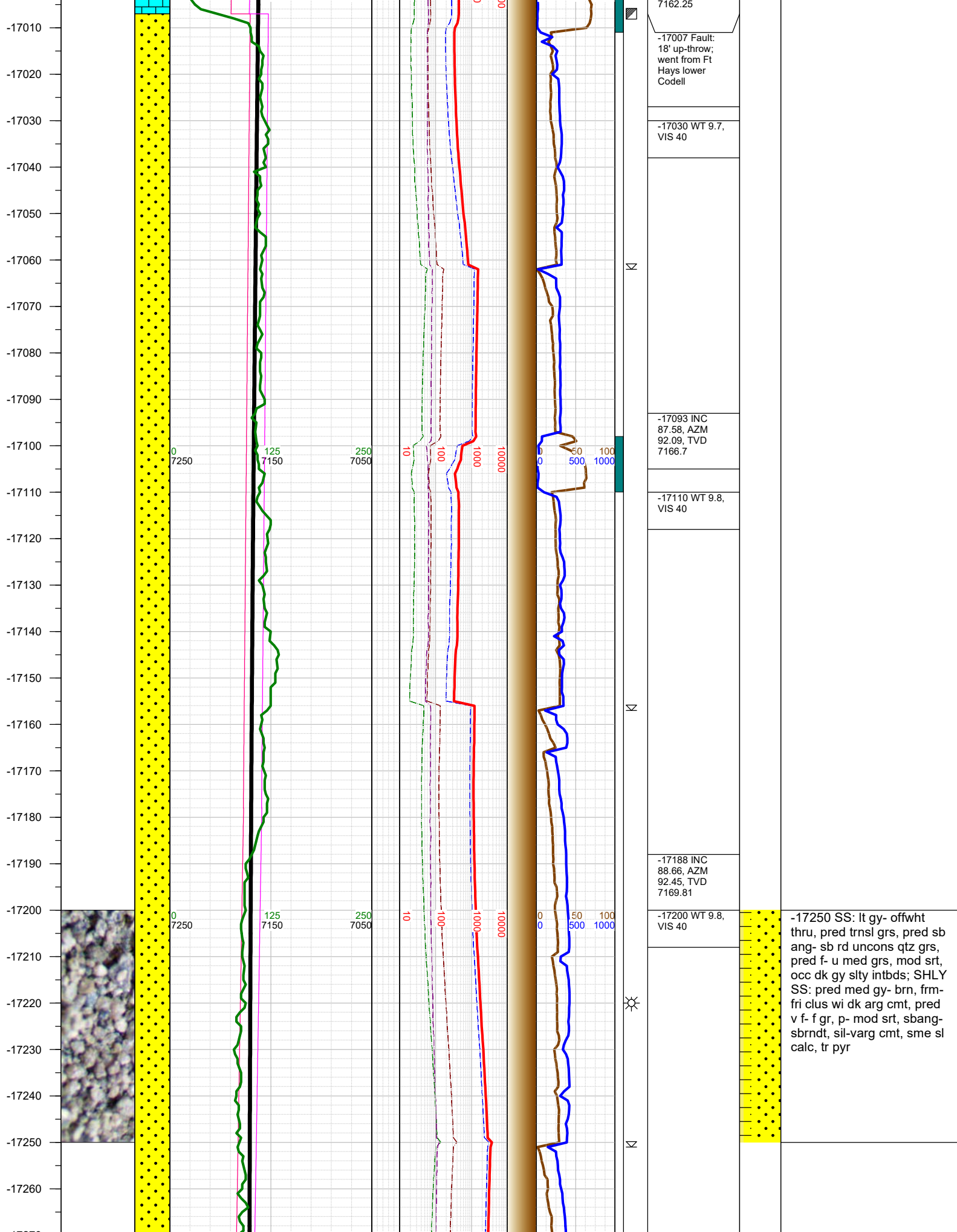


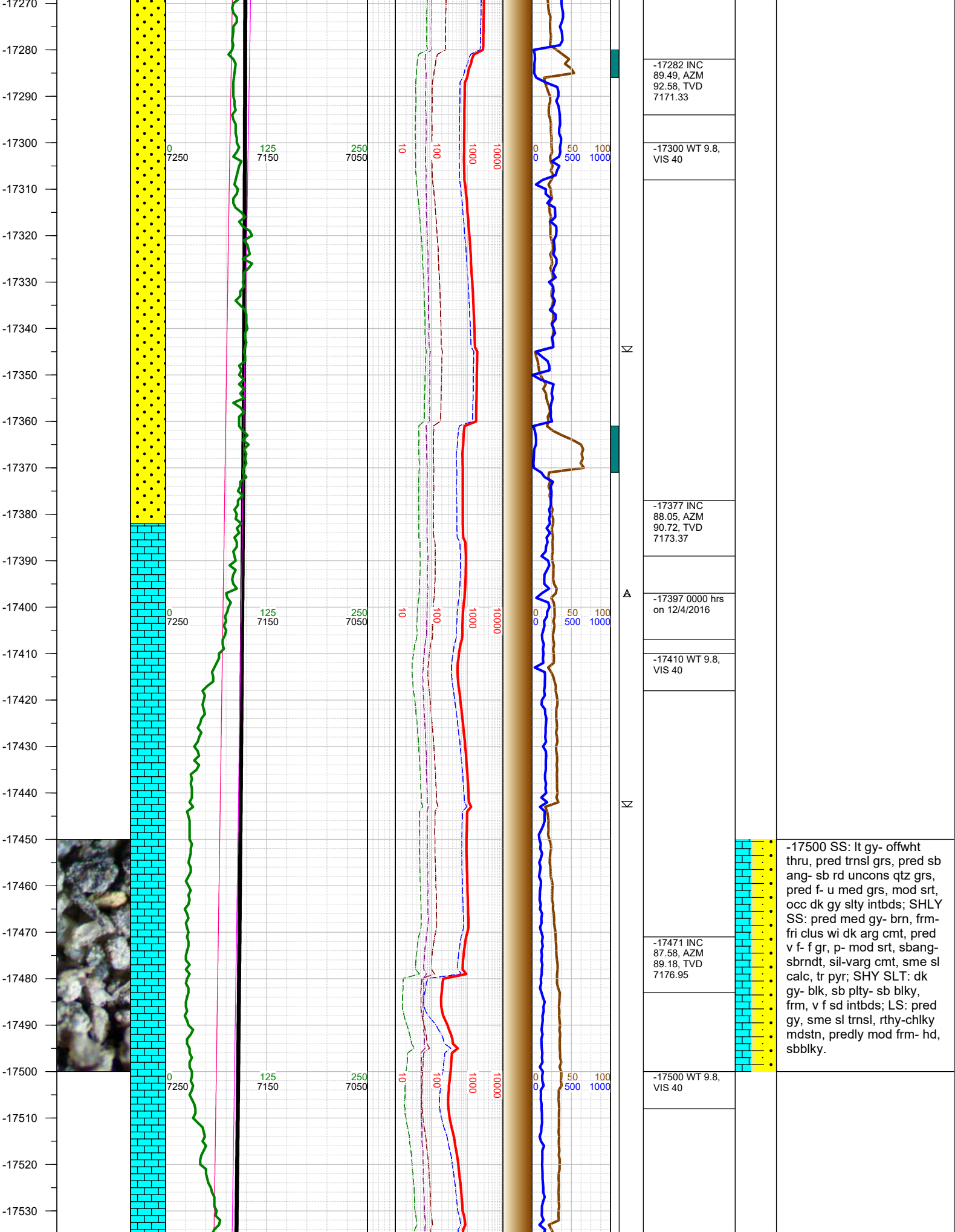




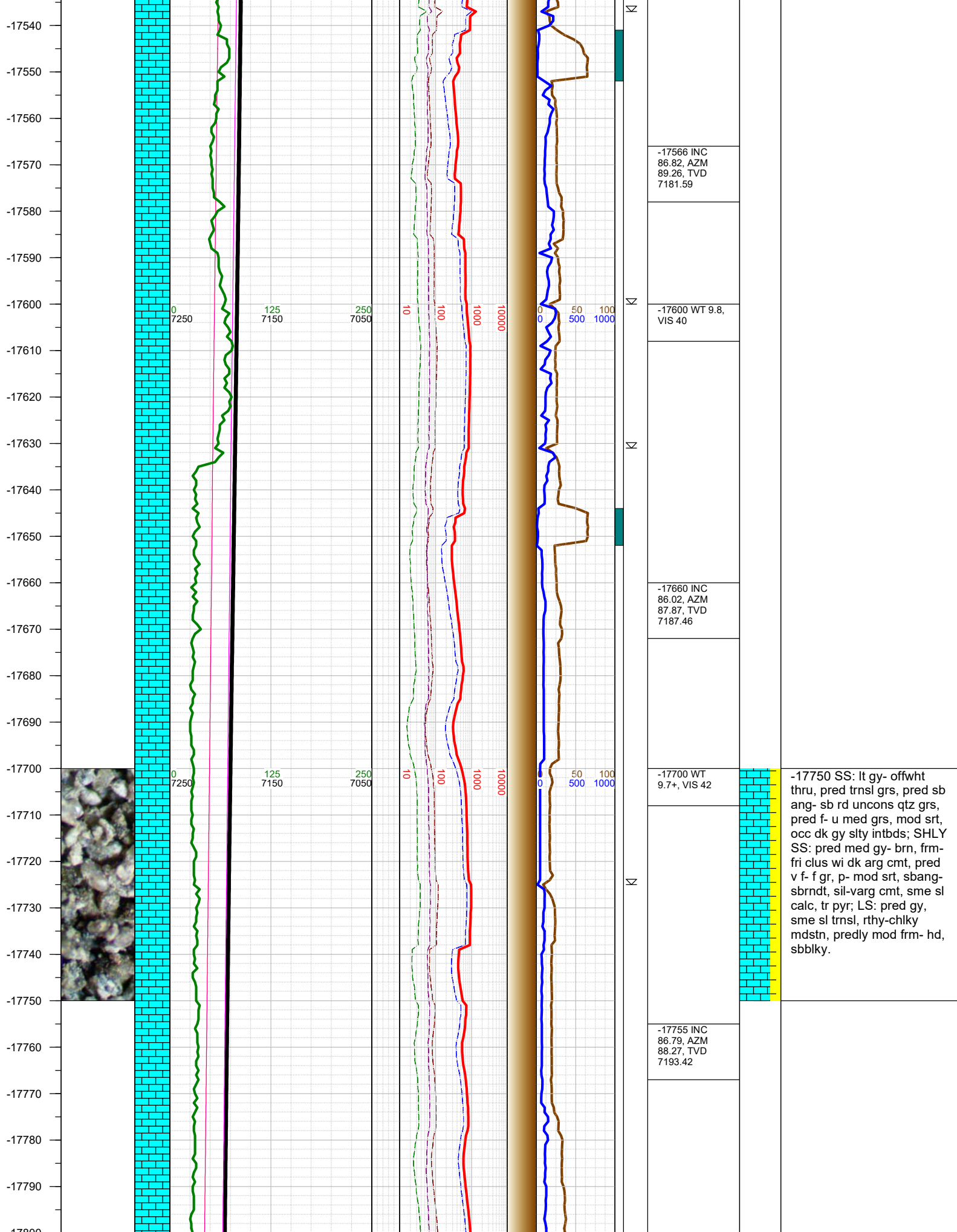


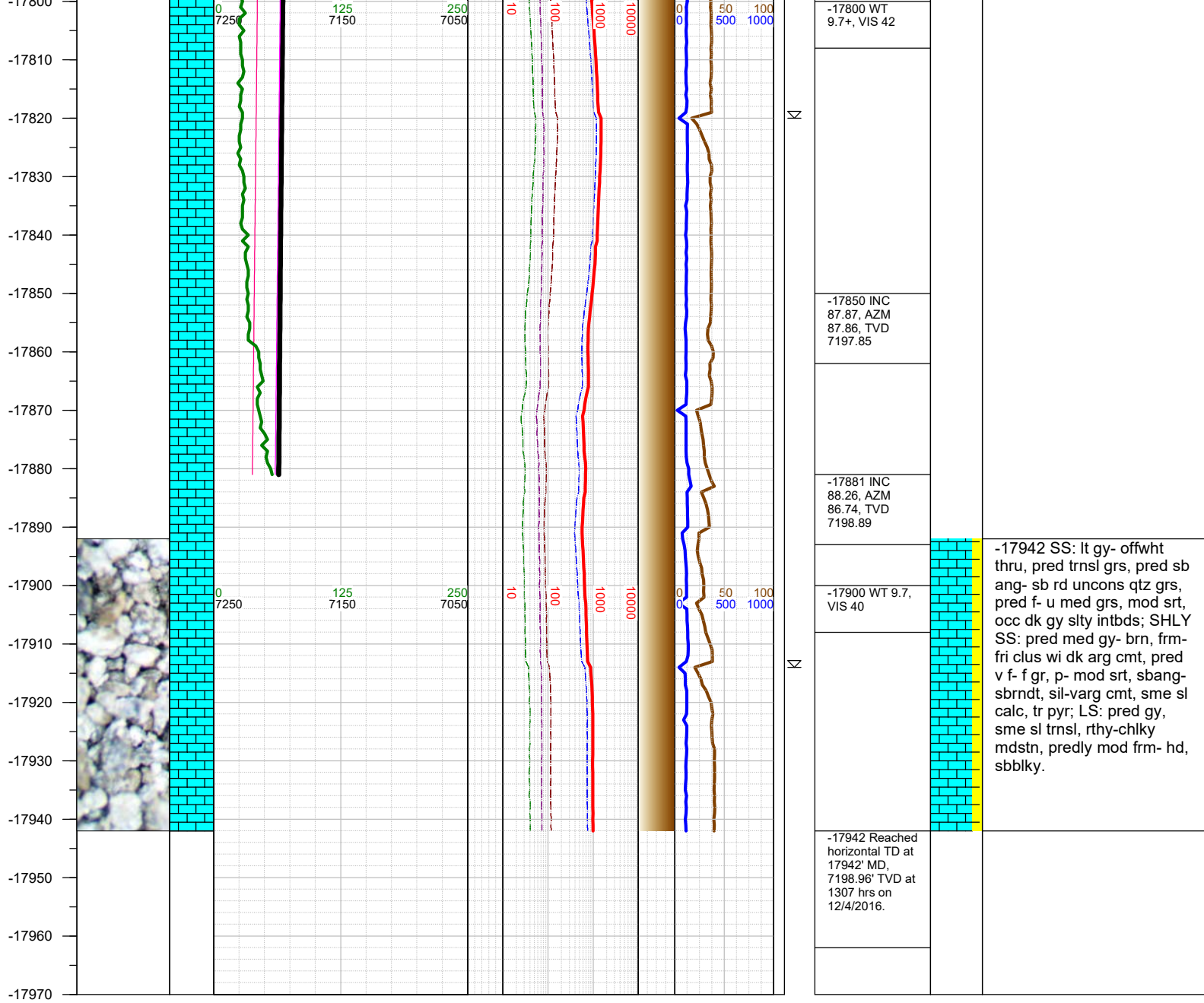












TOTAL DEPTH = 17942'

Thank you for using Earth Science Agency