

OPERATOR: **Extraction Oil & Gas**
WELL NAME: **Coyote Trails 34S-20-11C**
FIELD NAME: DJ Basin - Wattenberg
DRILLING RIG: Patterson 901
API #: 05-123-45991

LAT/LONG: 40.017974, -105.006639
SURFACE HOLE: SWSE S28-T1N-R68W, 1146' FSL, 2121' FEL
BOTTOM HOLE: S3-T1S-R68W, 150' FSL, 96' FWL

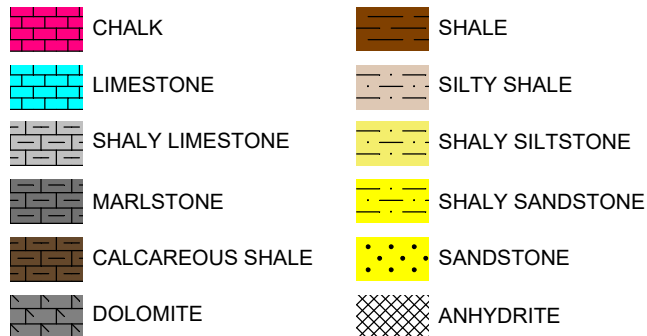


Earth Science Agency, LLC

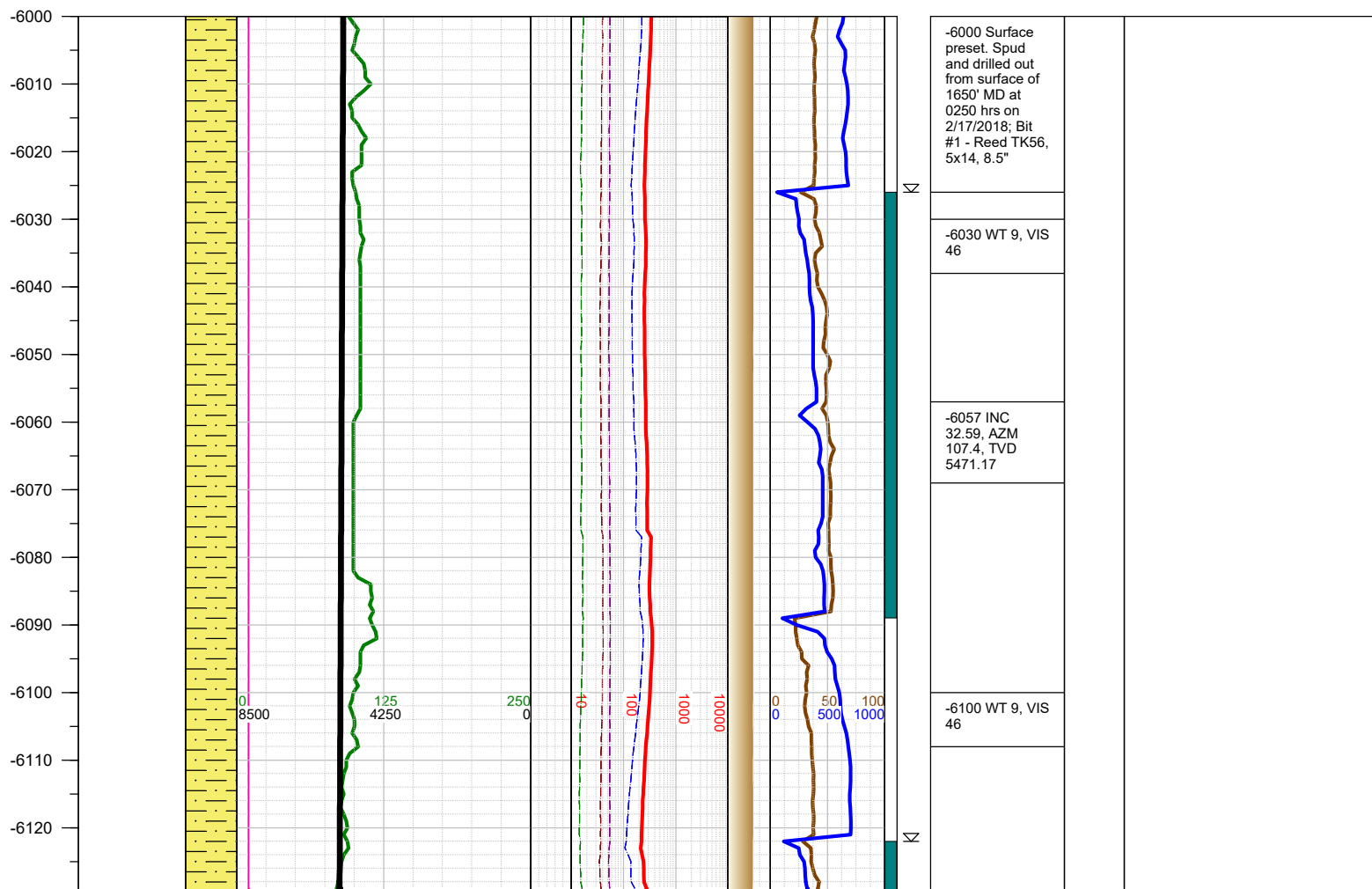
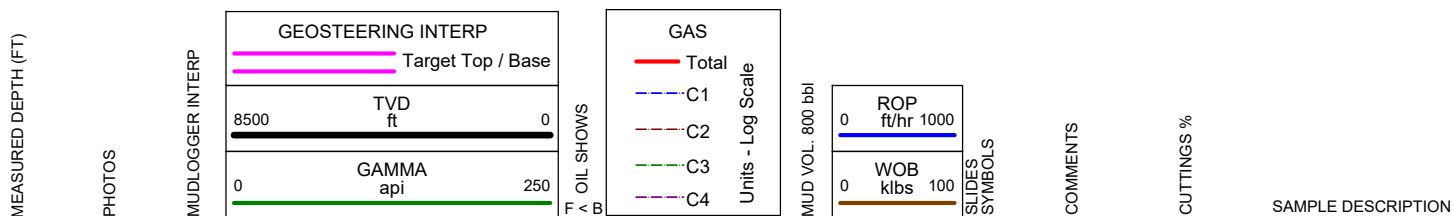
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 5270'
KELLY BUSHING: 5290'
DRILLING FLUID: OBM
TVD VS. MD: 8174' / 18760'
SPUD DATE: February 17, 2018
TD DATE: February 22, 2018

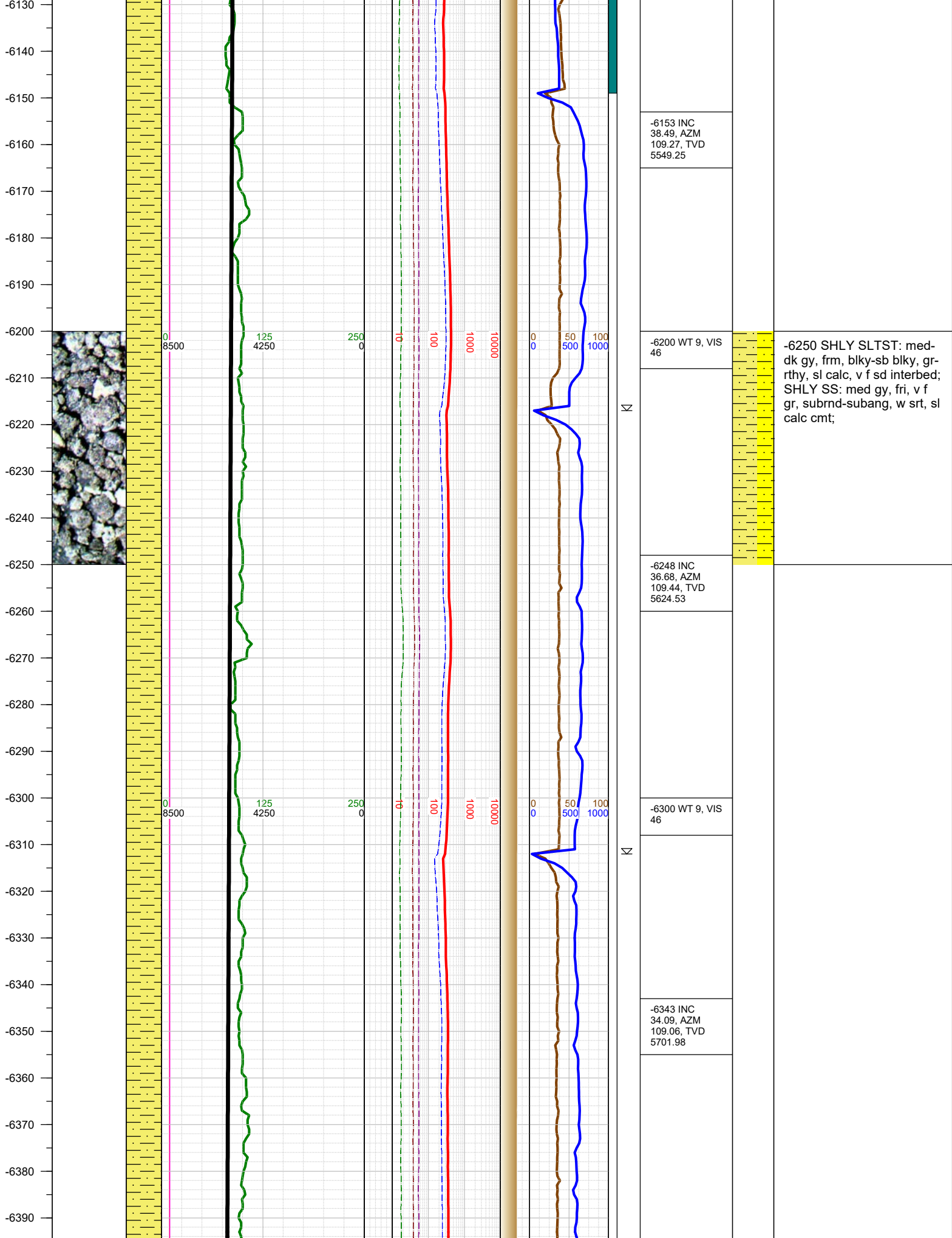
DEPTHS LOGGED: 6000' - 18760'
DATES LOGGED: February 17, 2018 - February 22, 2018
GEOLOGISTS: Dan Jacobs, Blake Eatherton
SCALE: 5" = 100'

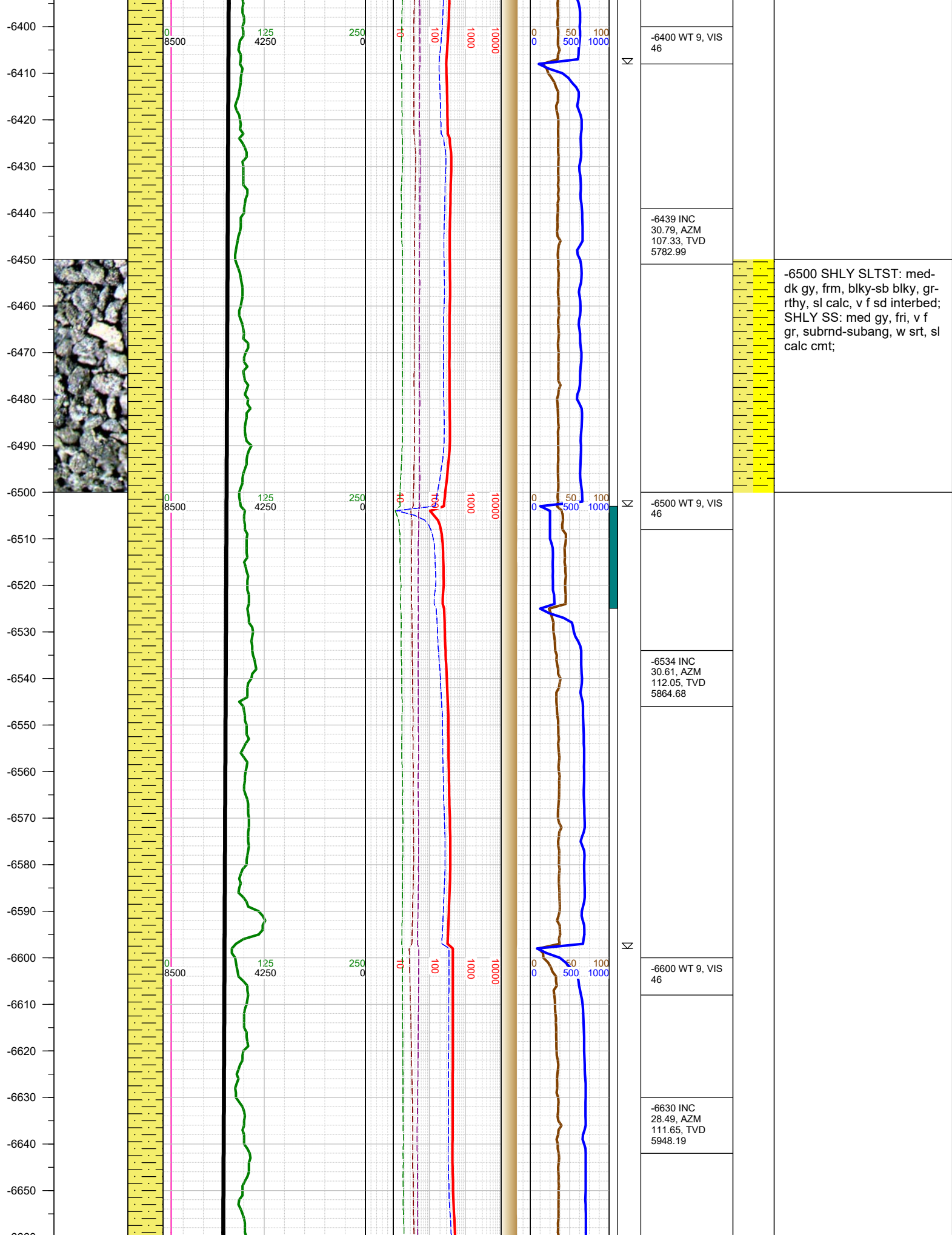
LEGEND

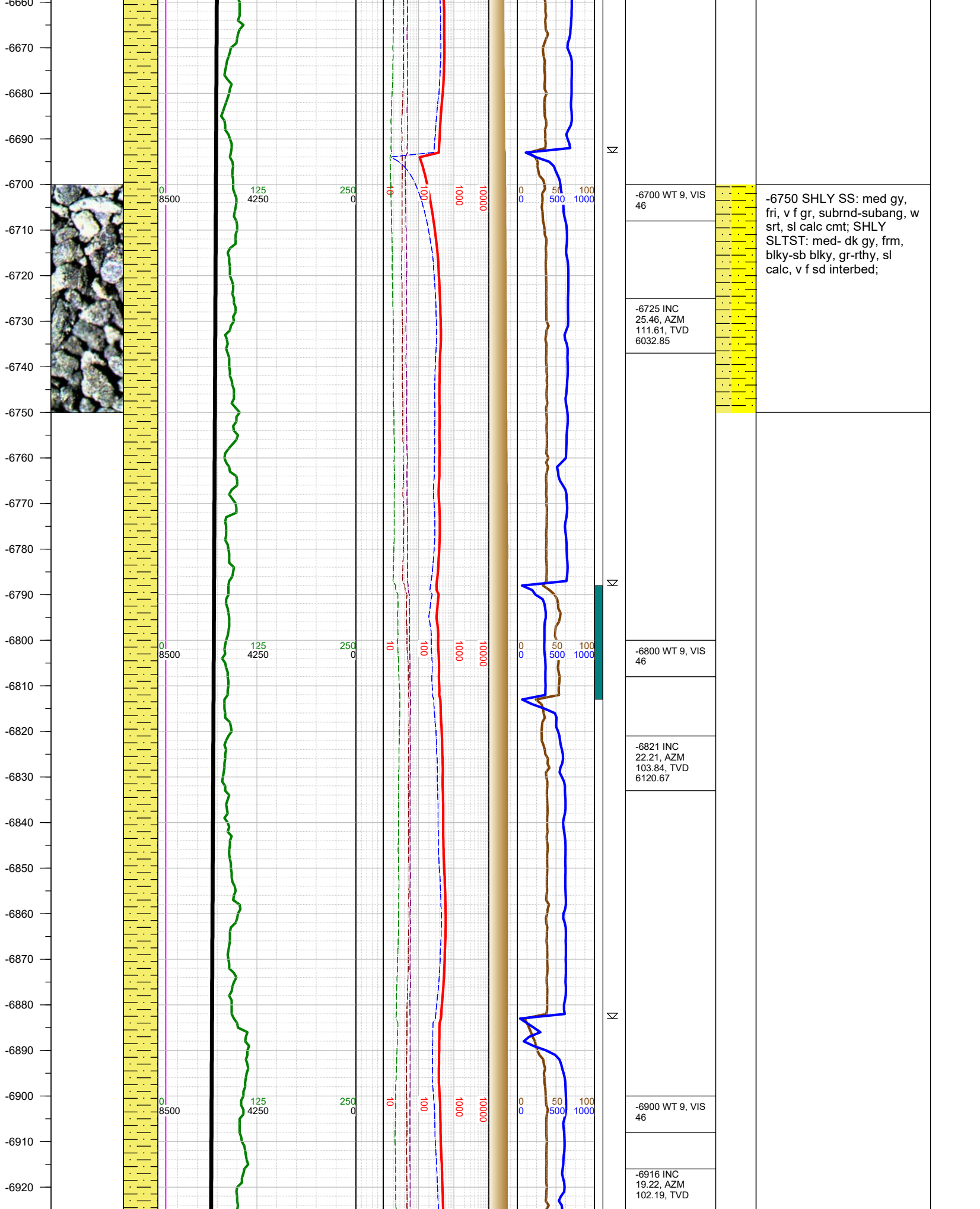


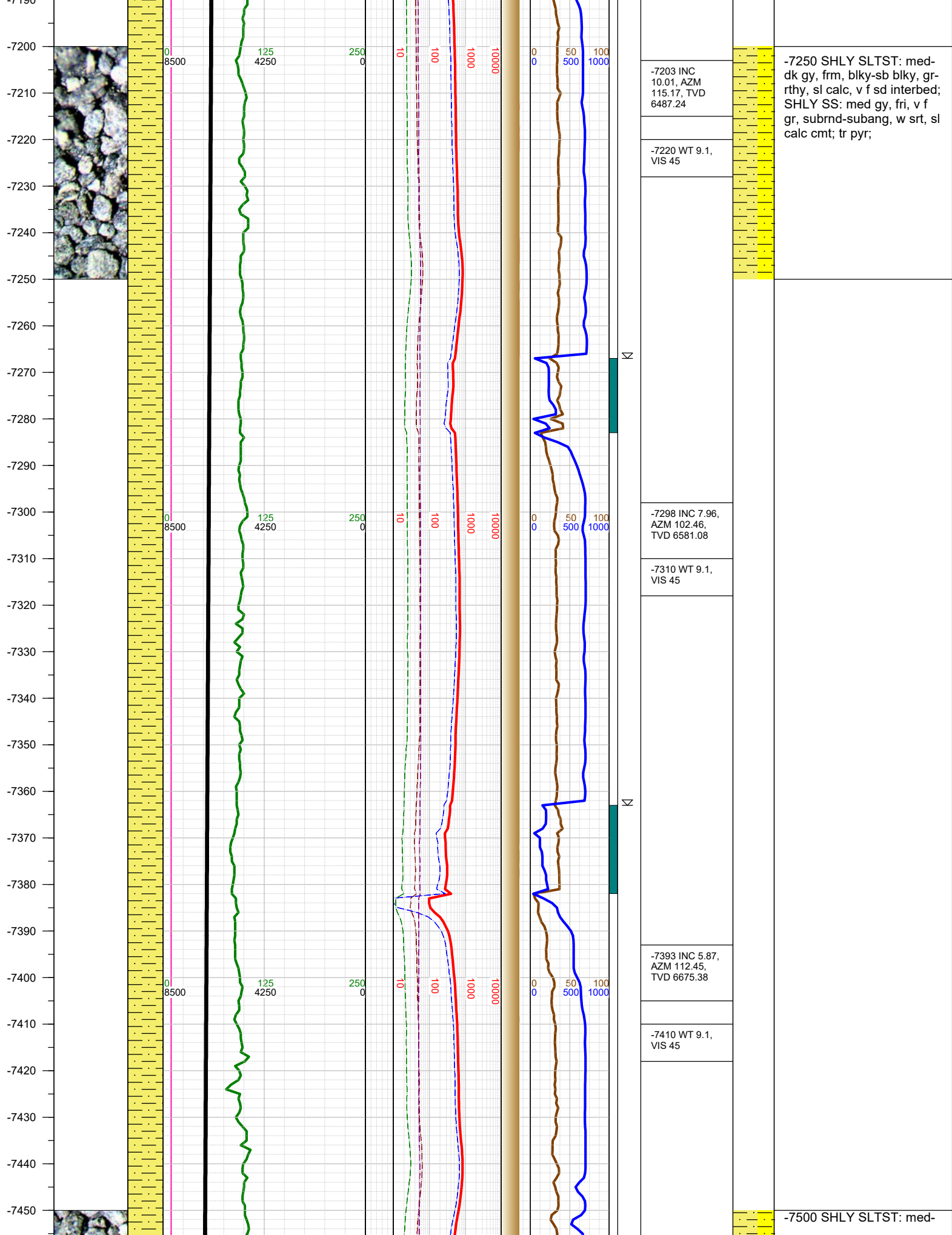
FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

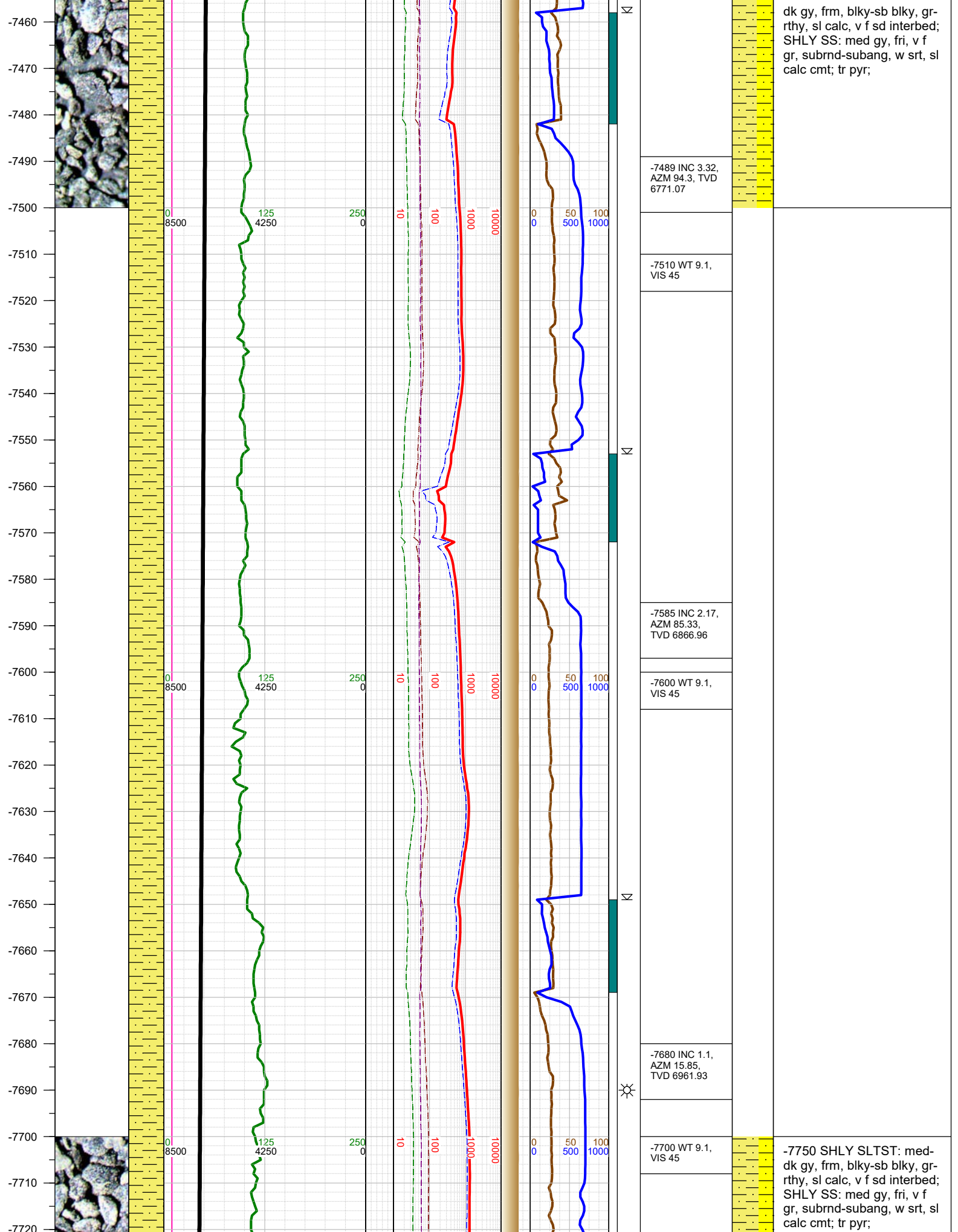


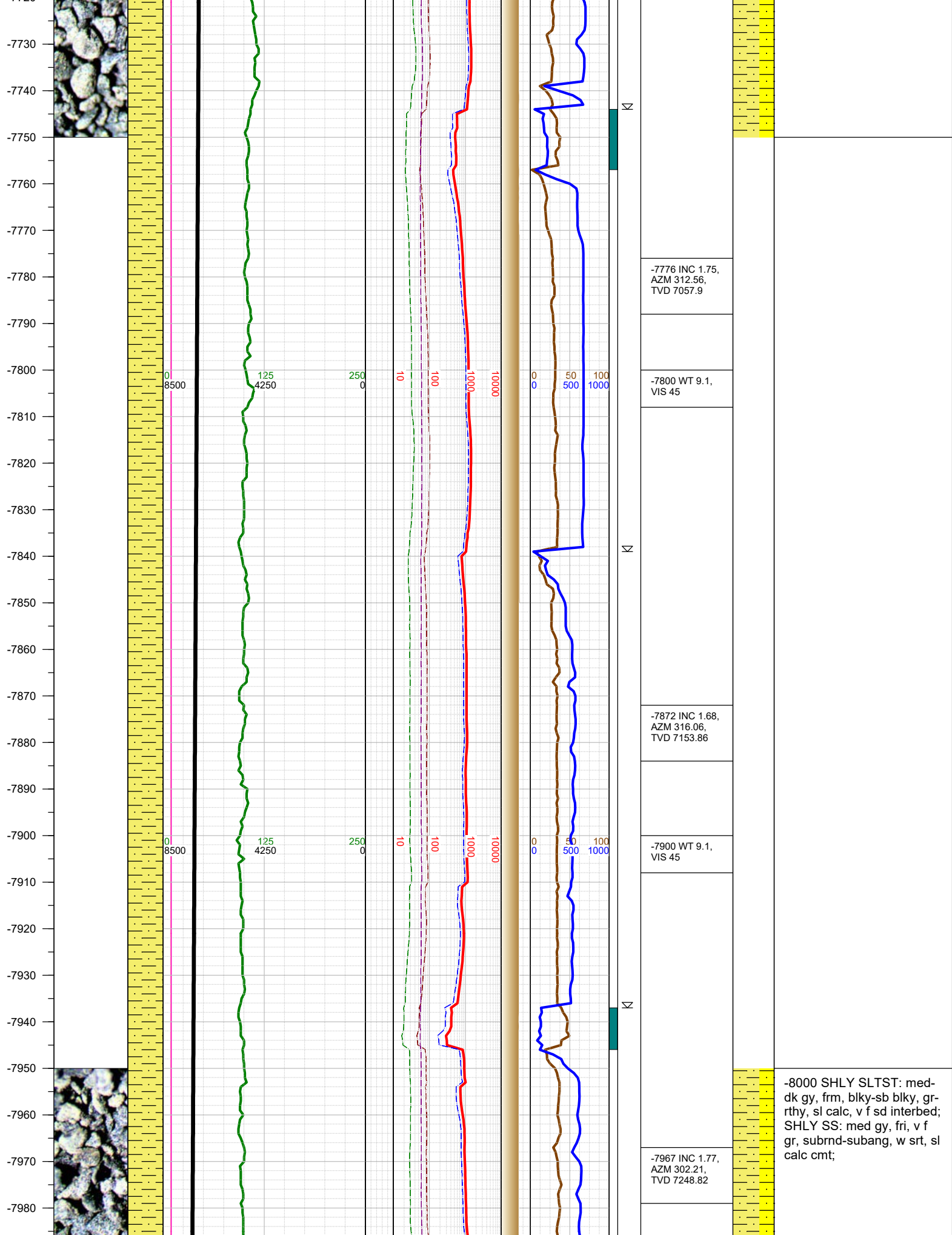


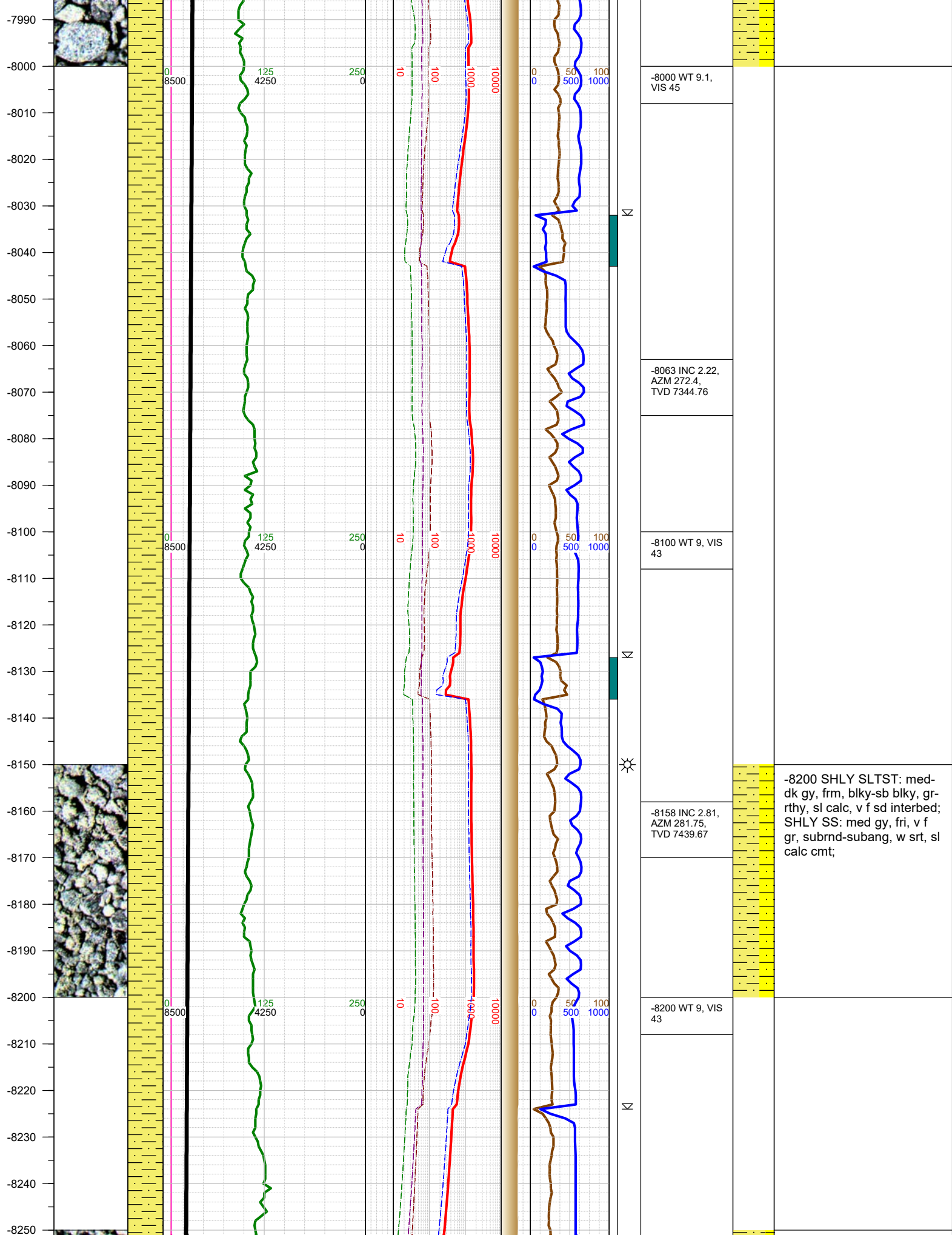


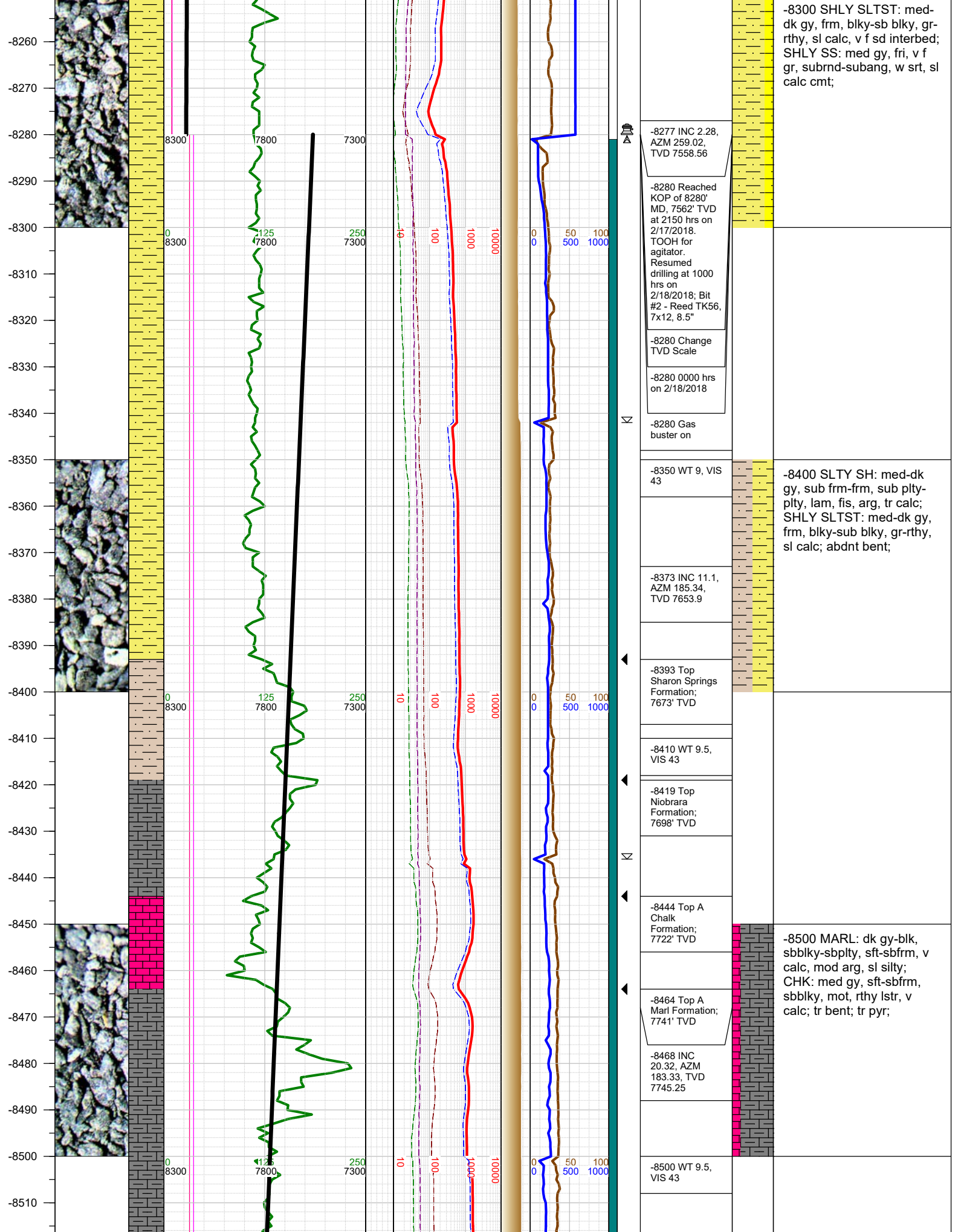


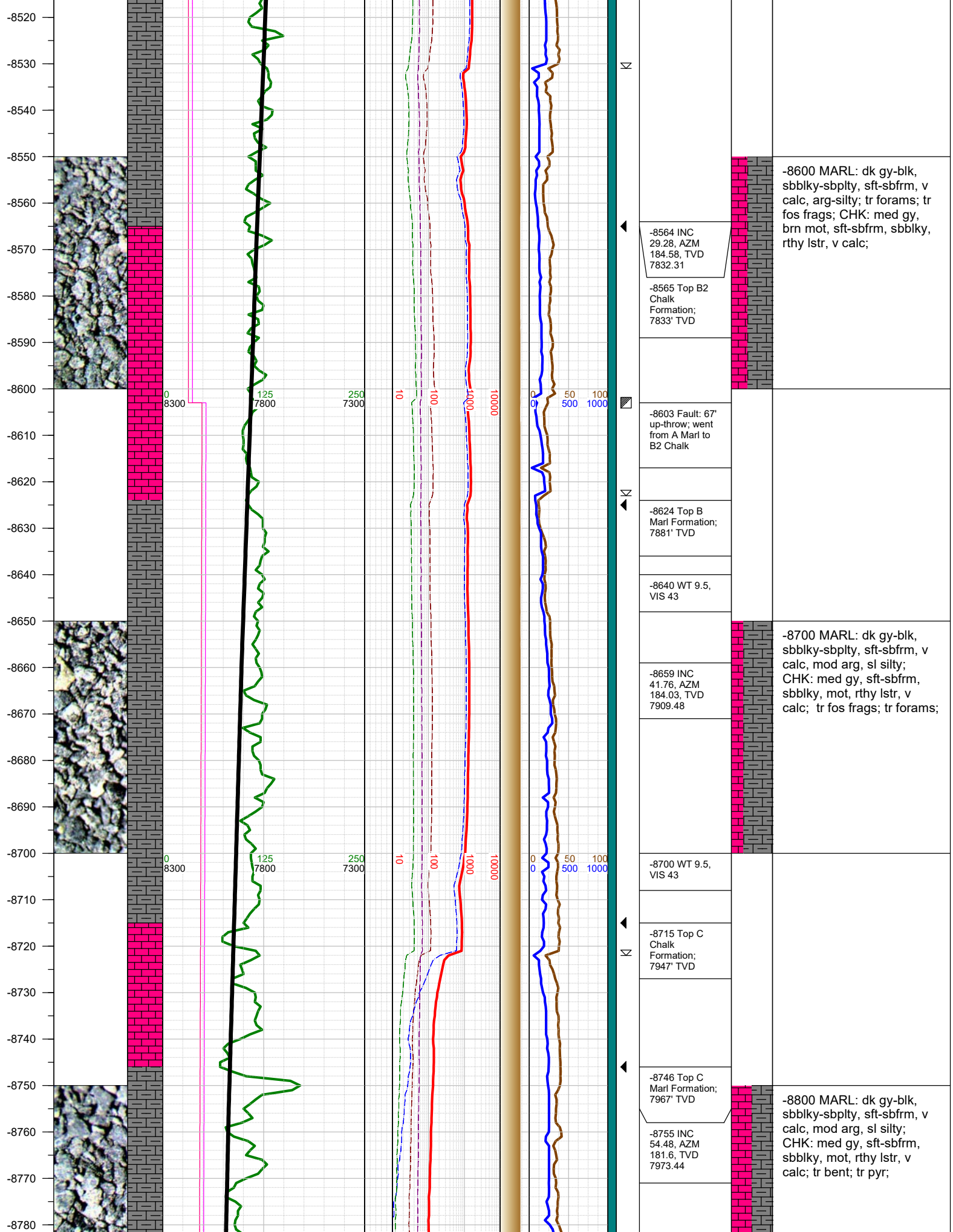


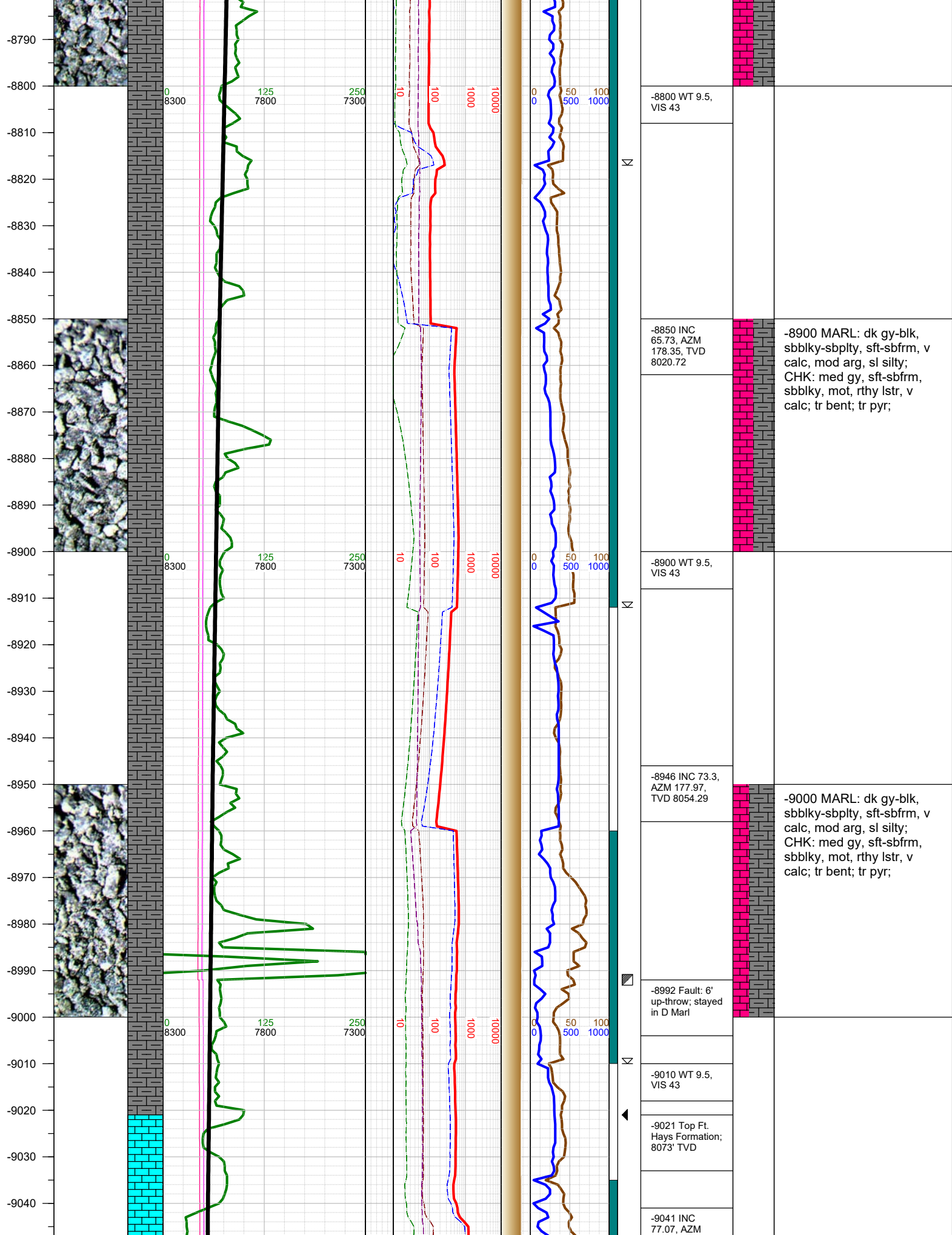


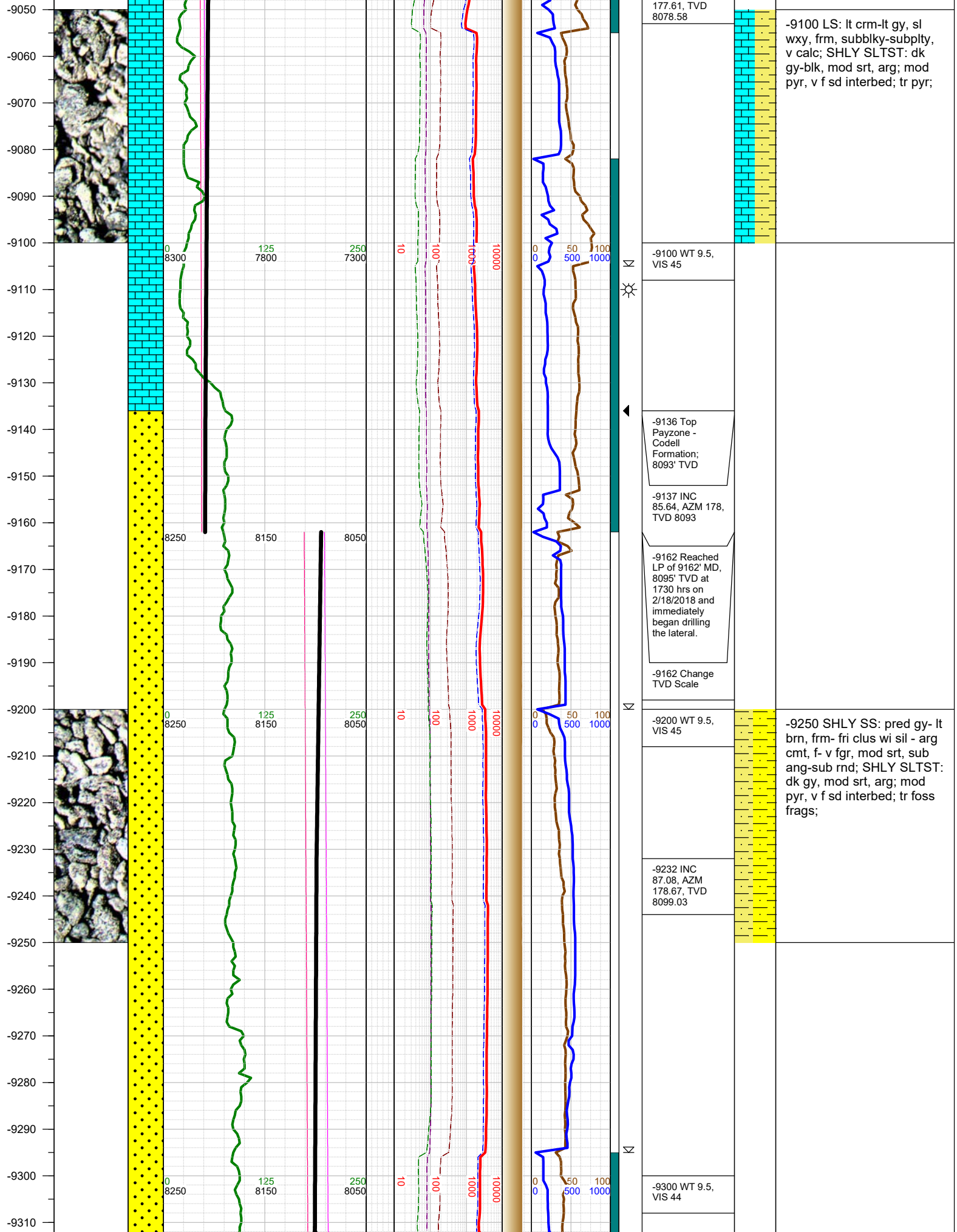


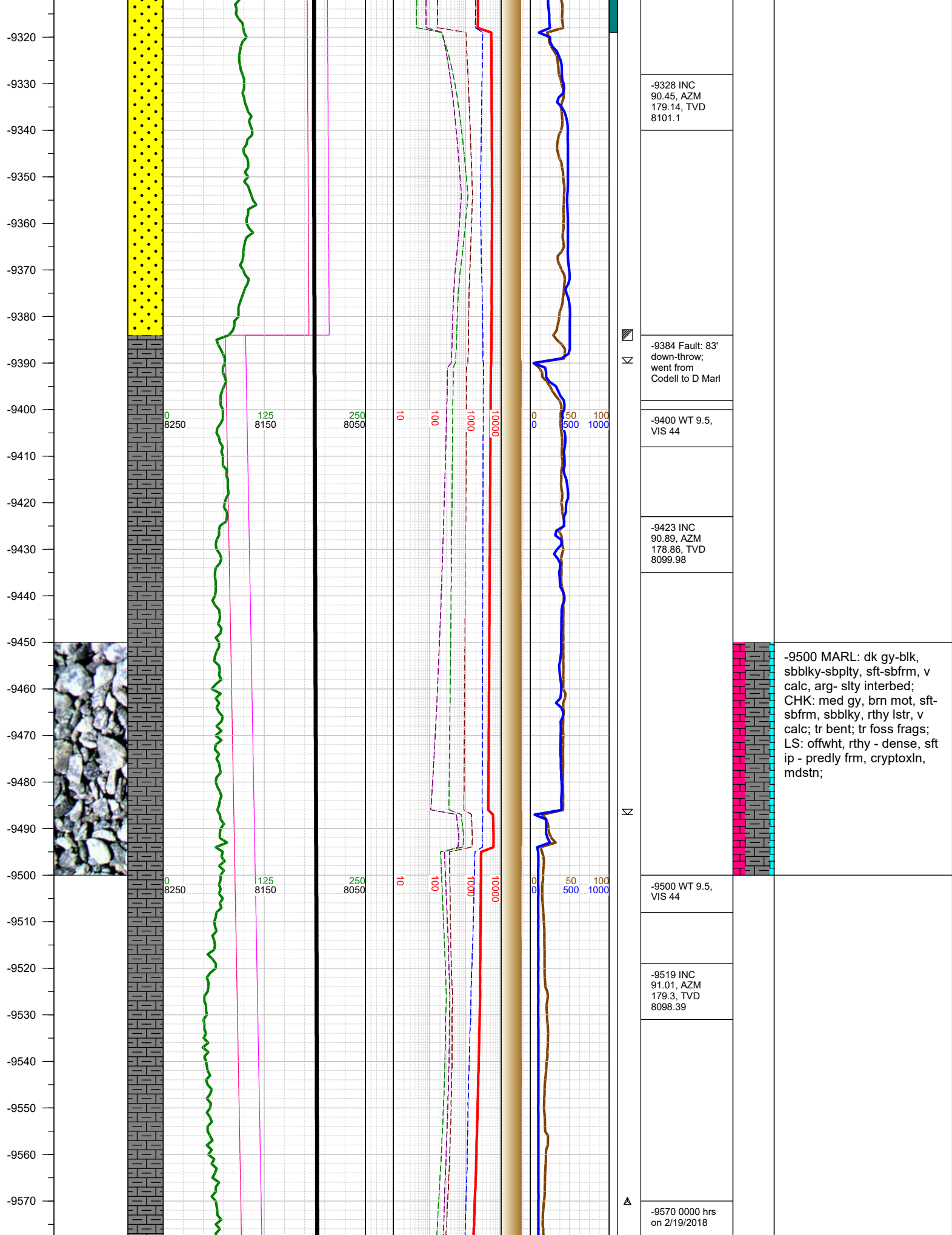


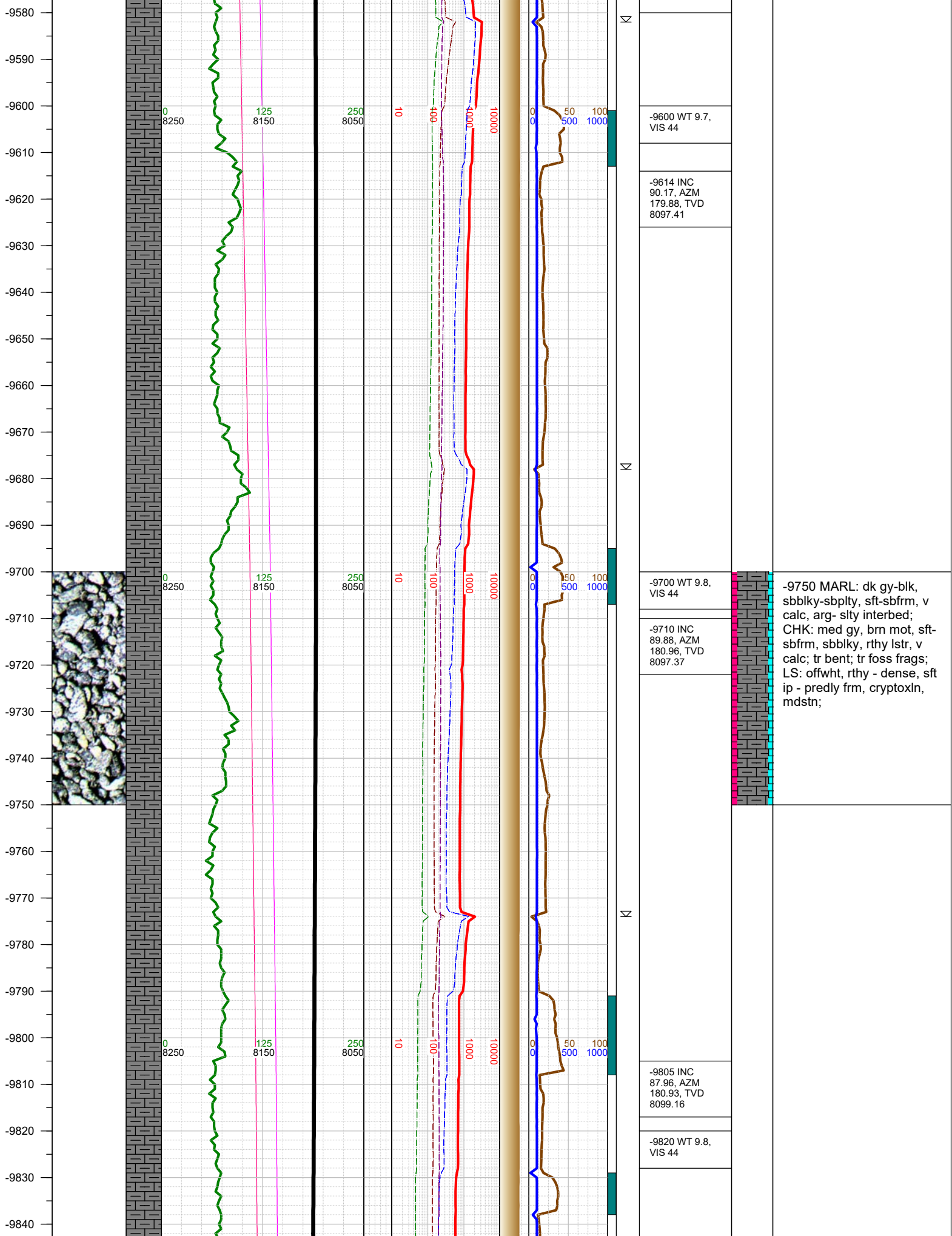


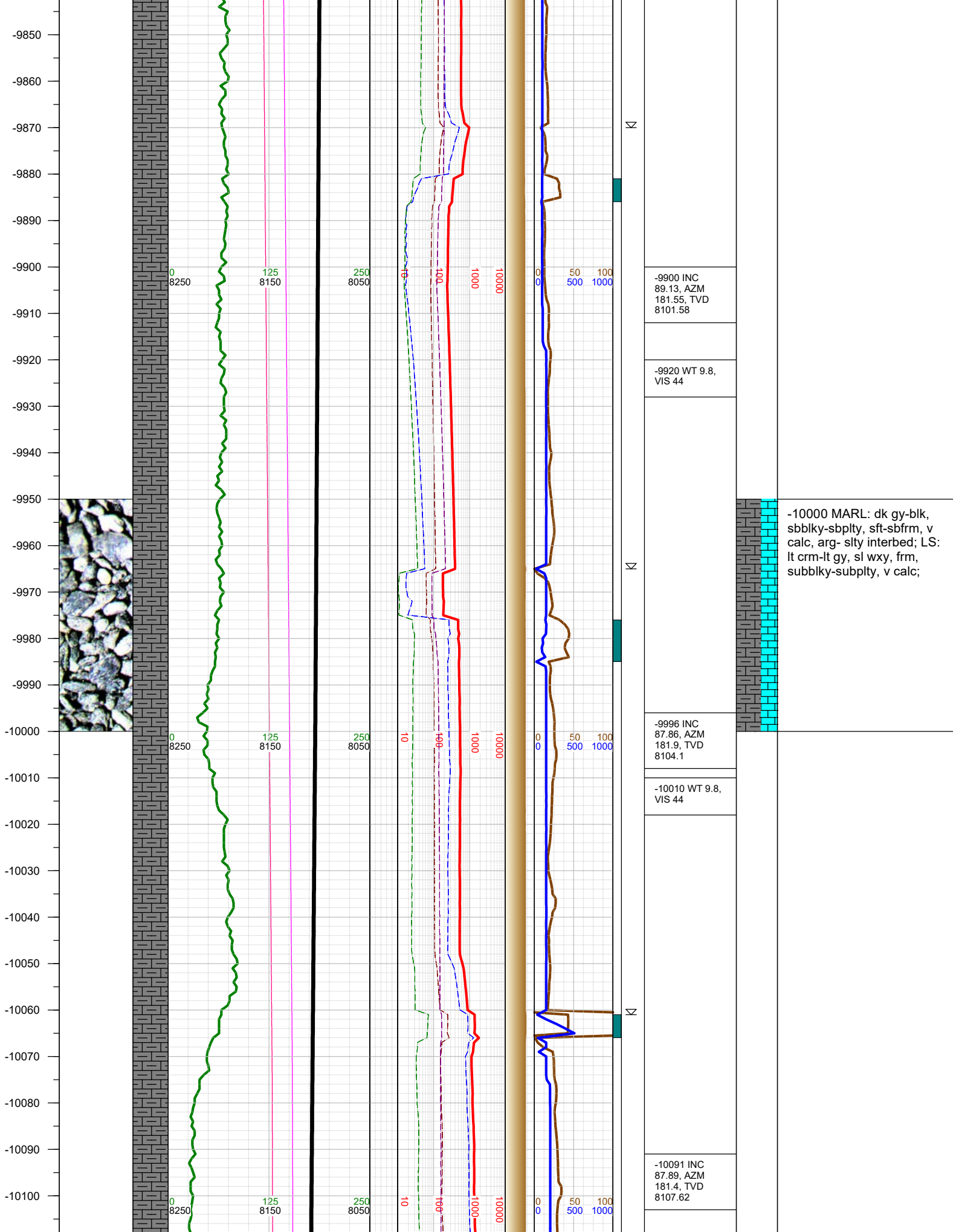


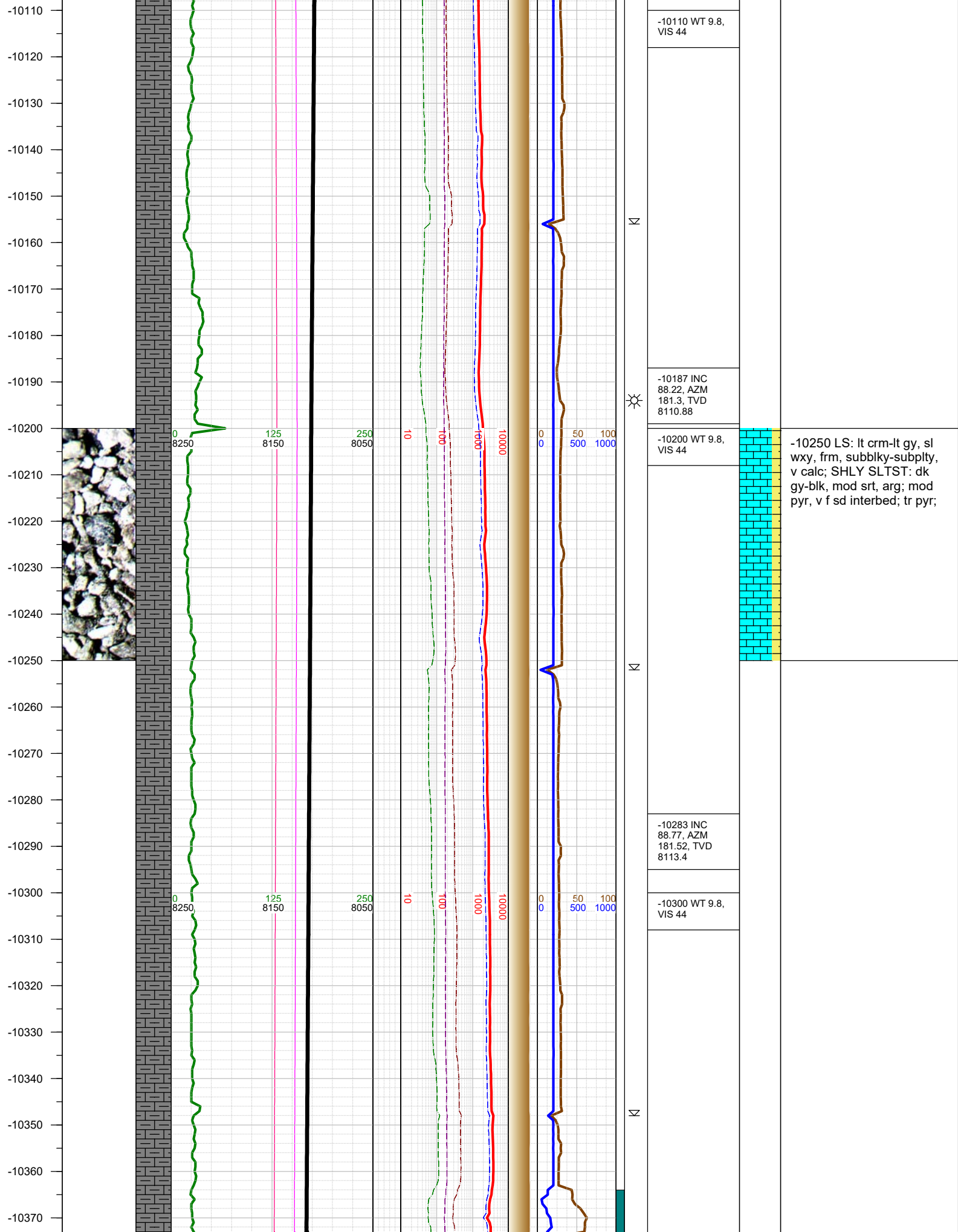


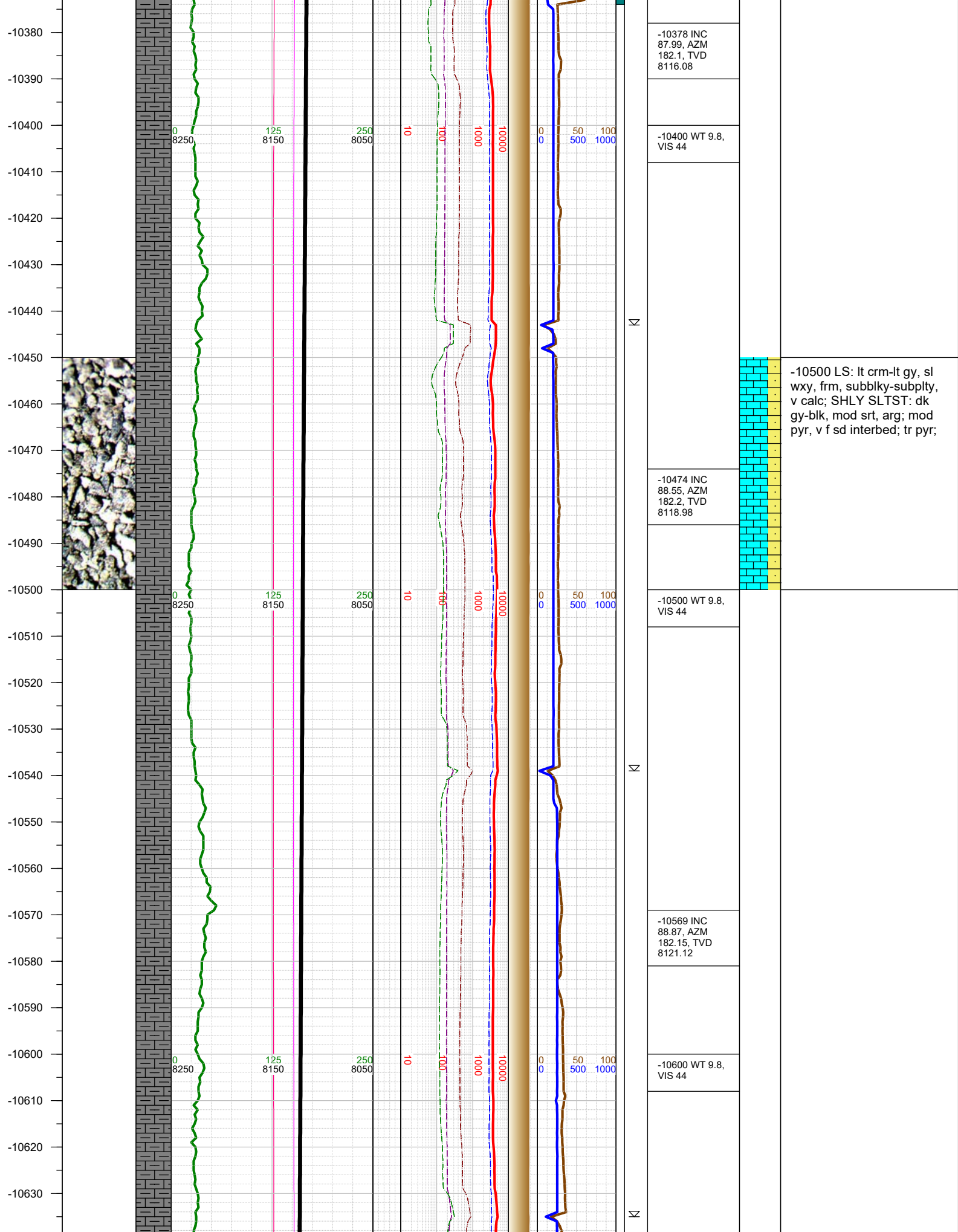


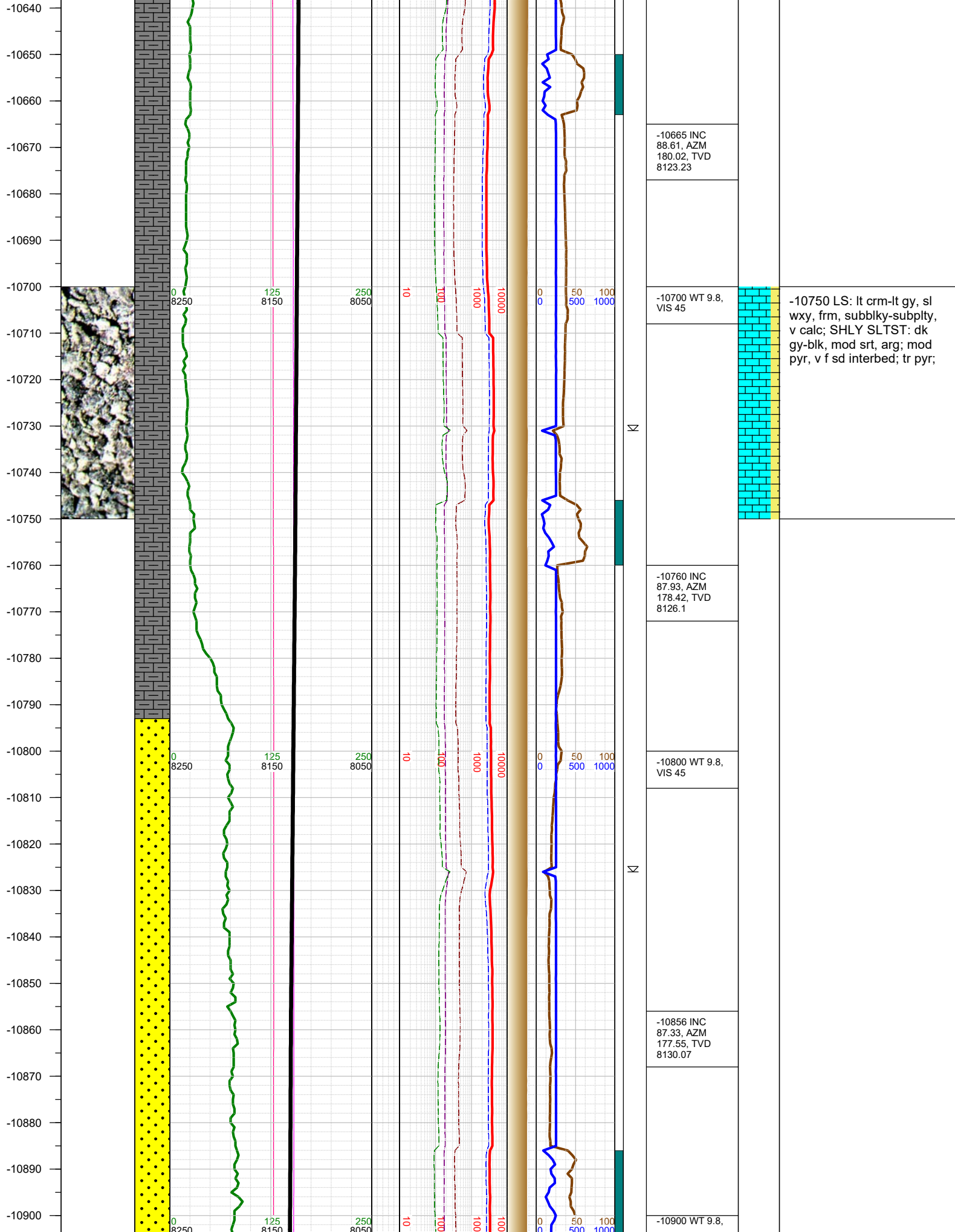


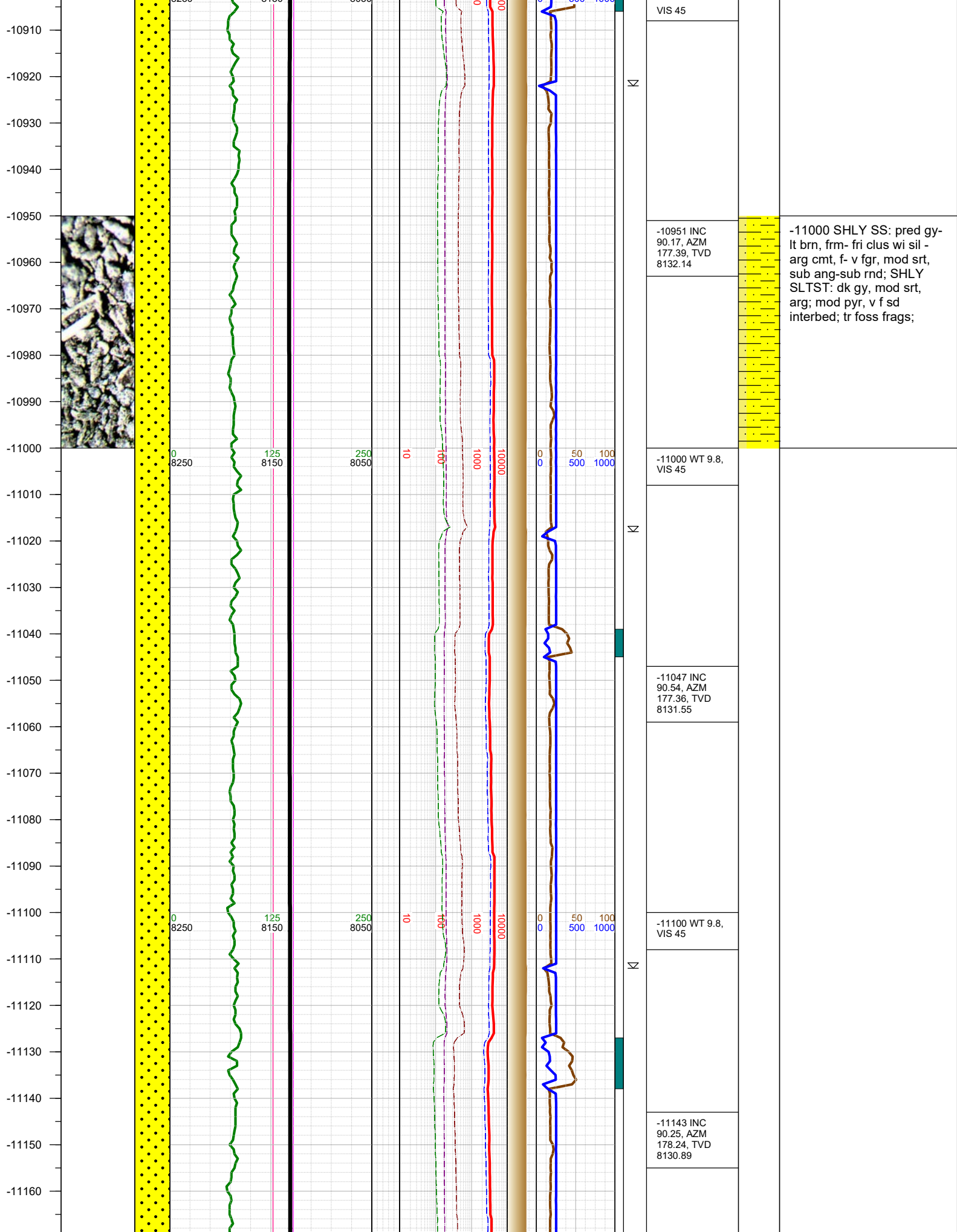


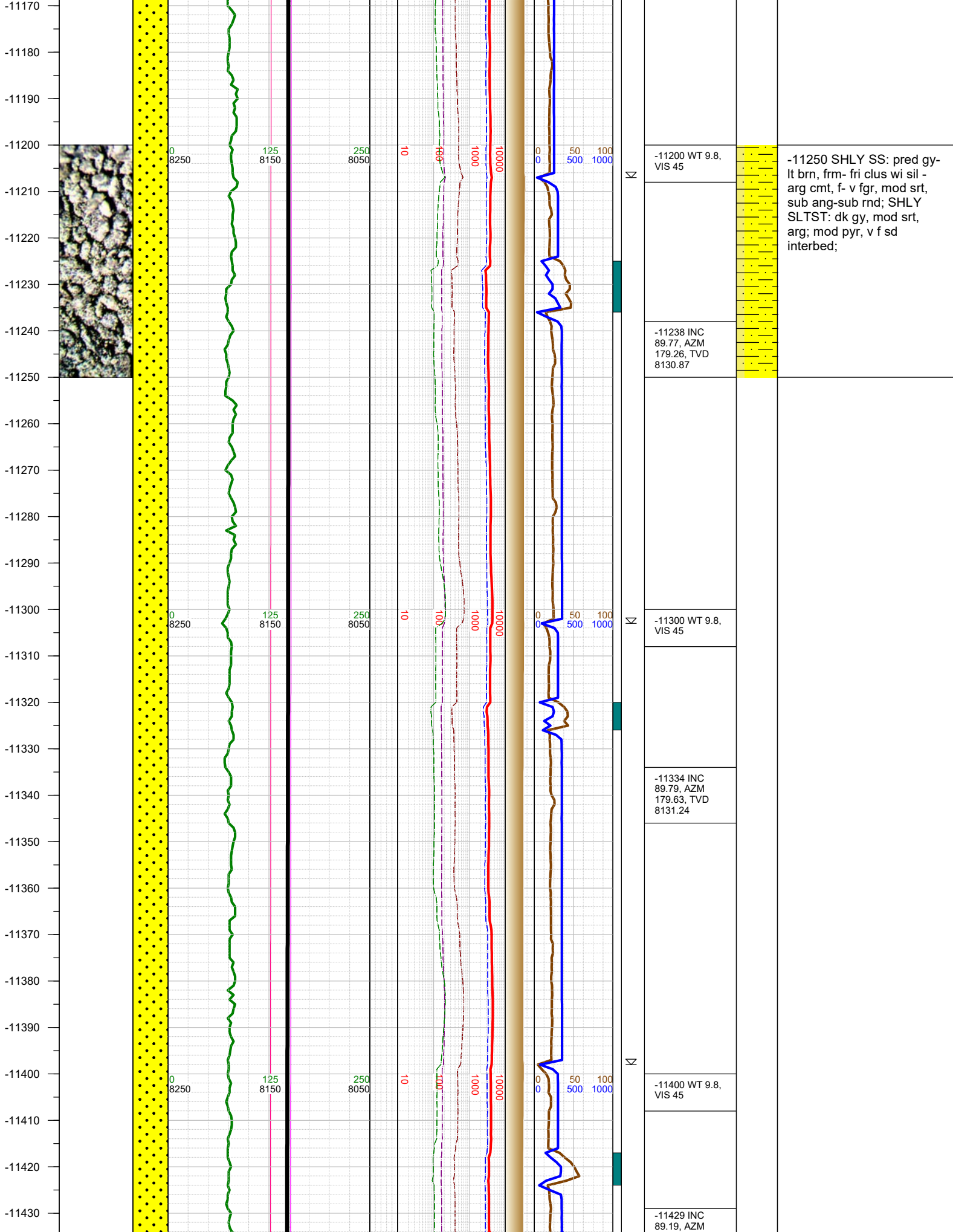


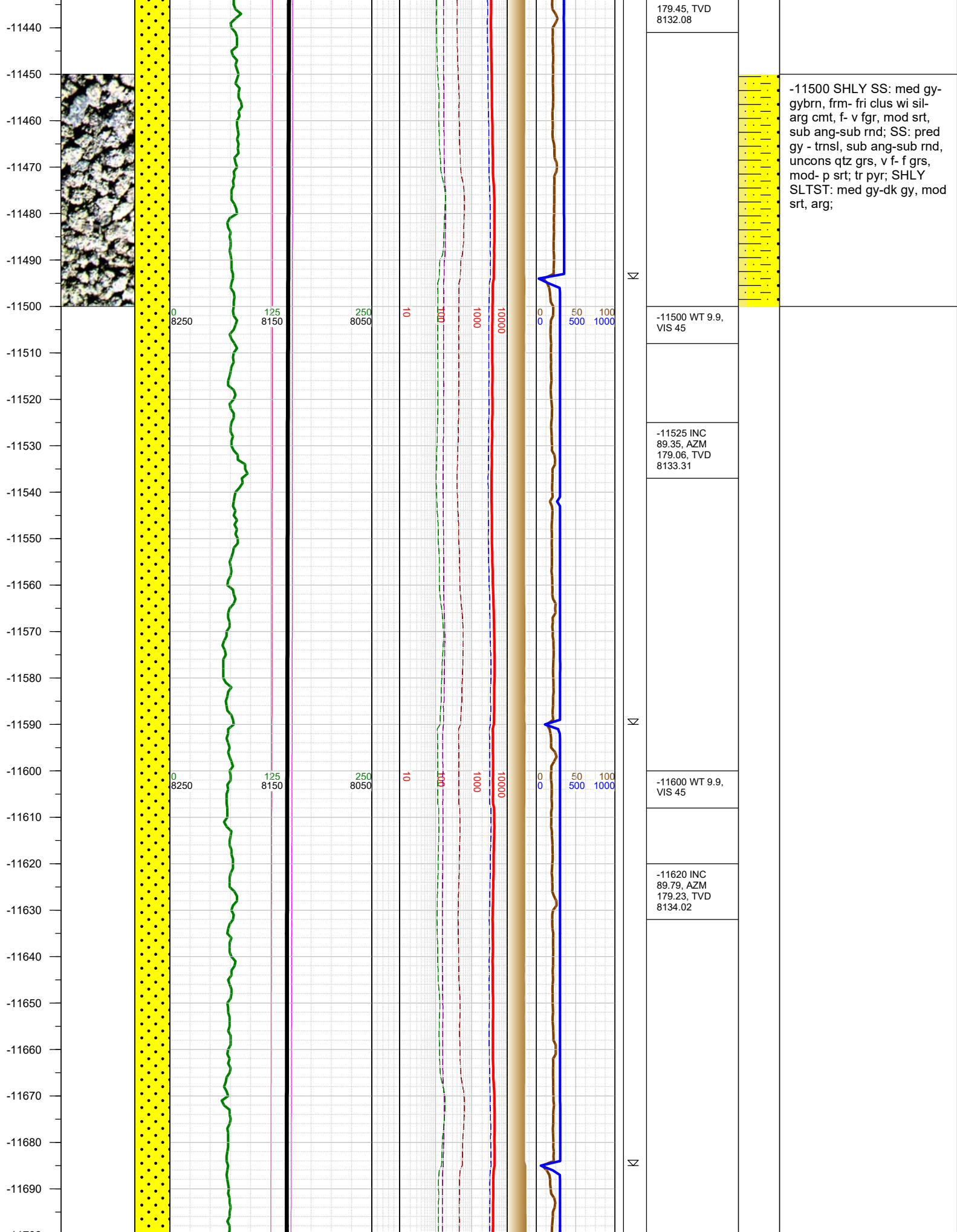






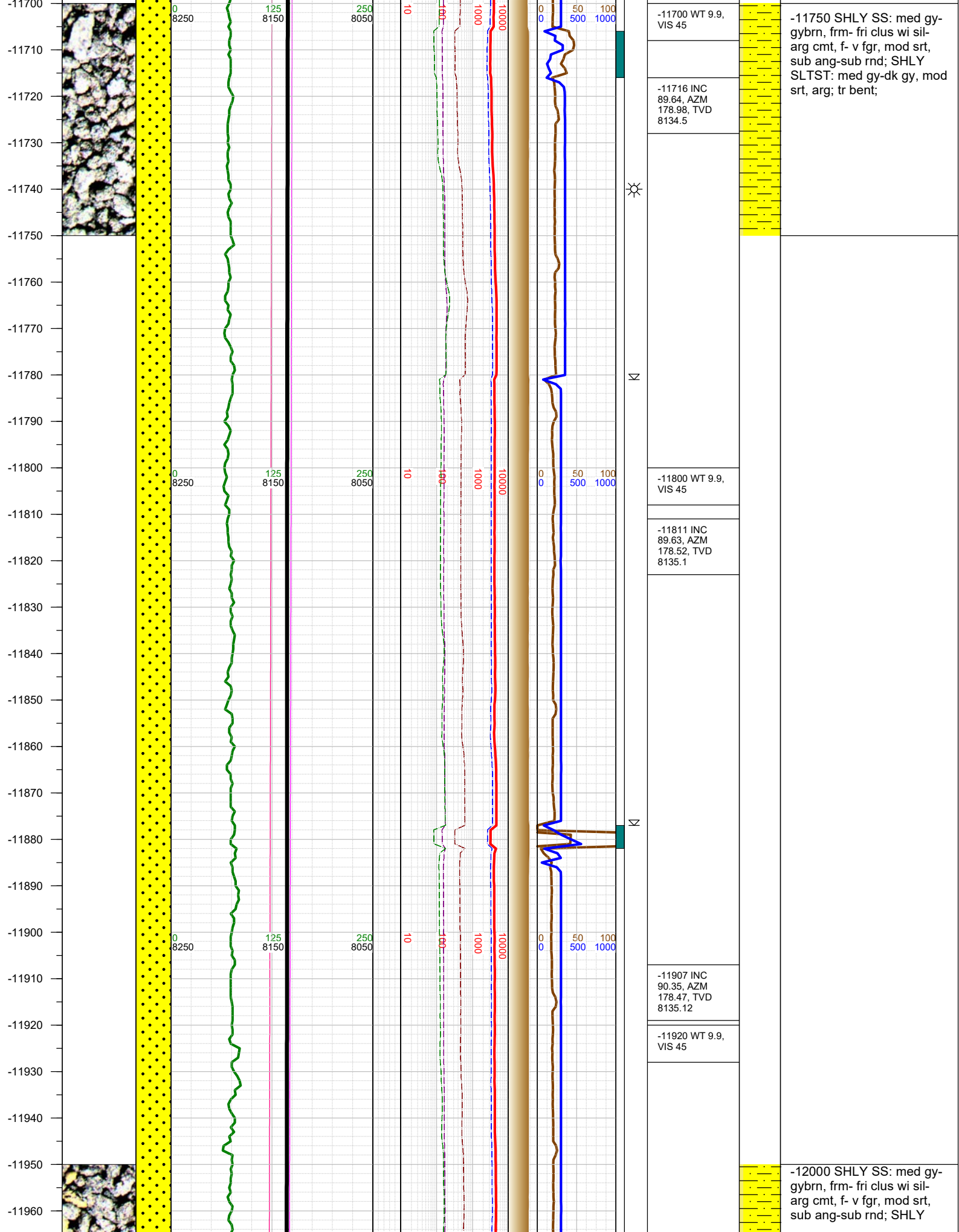


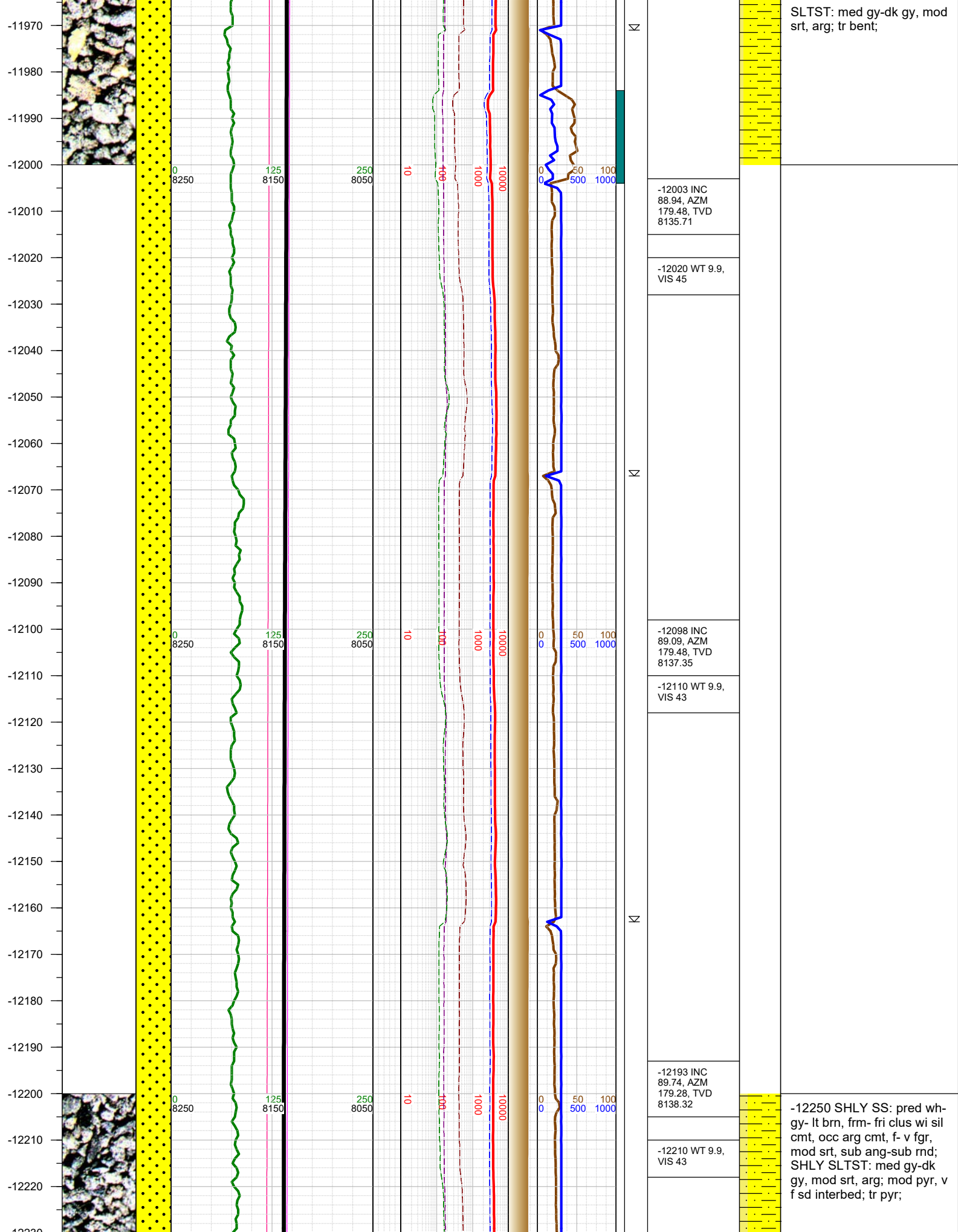


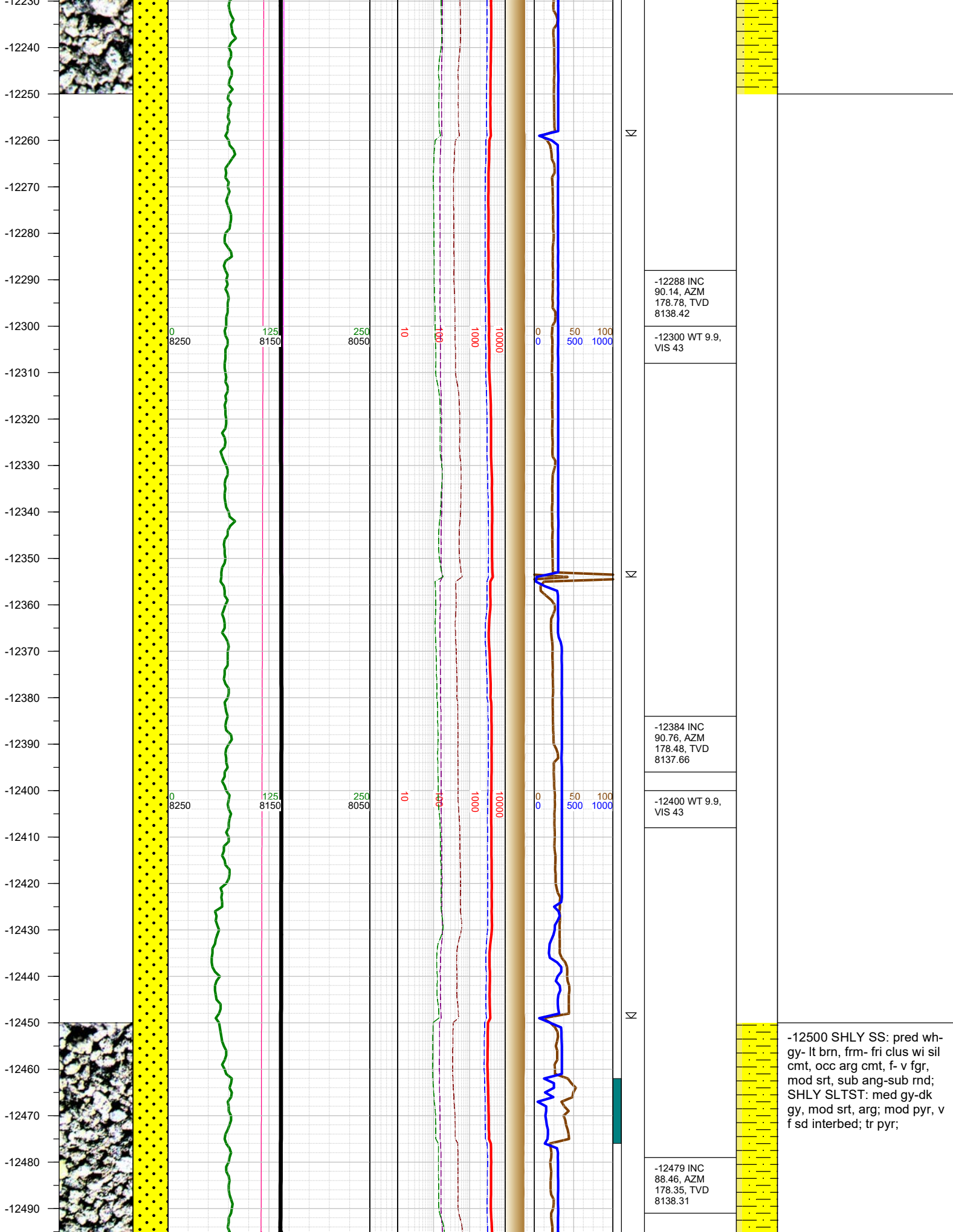


-11500 SHLY SS: med gy-gybrn, frm- fri clus wi sil-arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SS: pred gy - trns, sub ang-sub rnd, uncons qtz grs, v f- f grs, mod- p srt; tr pyr; SHLY SLTST: med gy-dk gy, mod srt, arg;

-11500 WT 9.9, VIS 45
-11525 INC 89.35, AZM 179.06, TVD 8133.31
-11600 WT 9.9, VIS 45
-11620 INC 89.79, AZM 179.23, TVD 8134.02







-12288 INC
90.14, AZM
178.78, TVD
8138.42

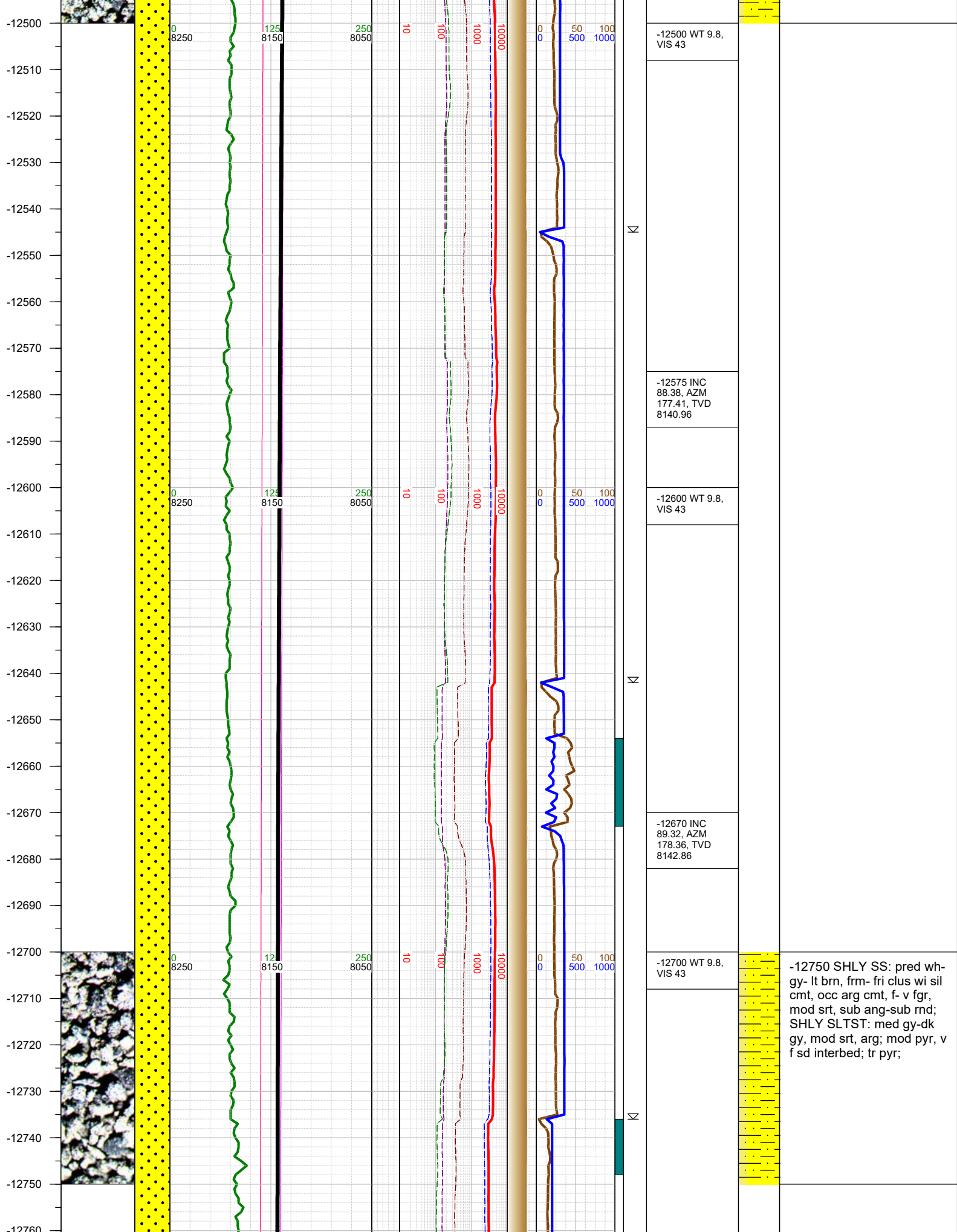
-12300 WT 9.9,
VIS 43

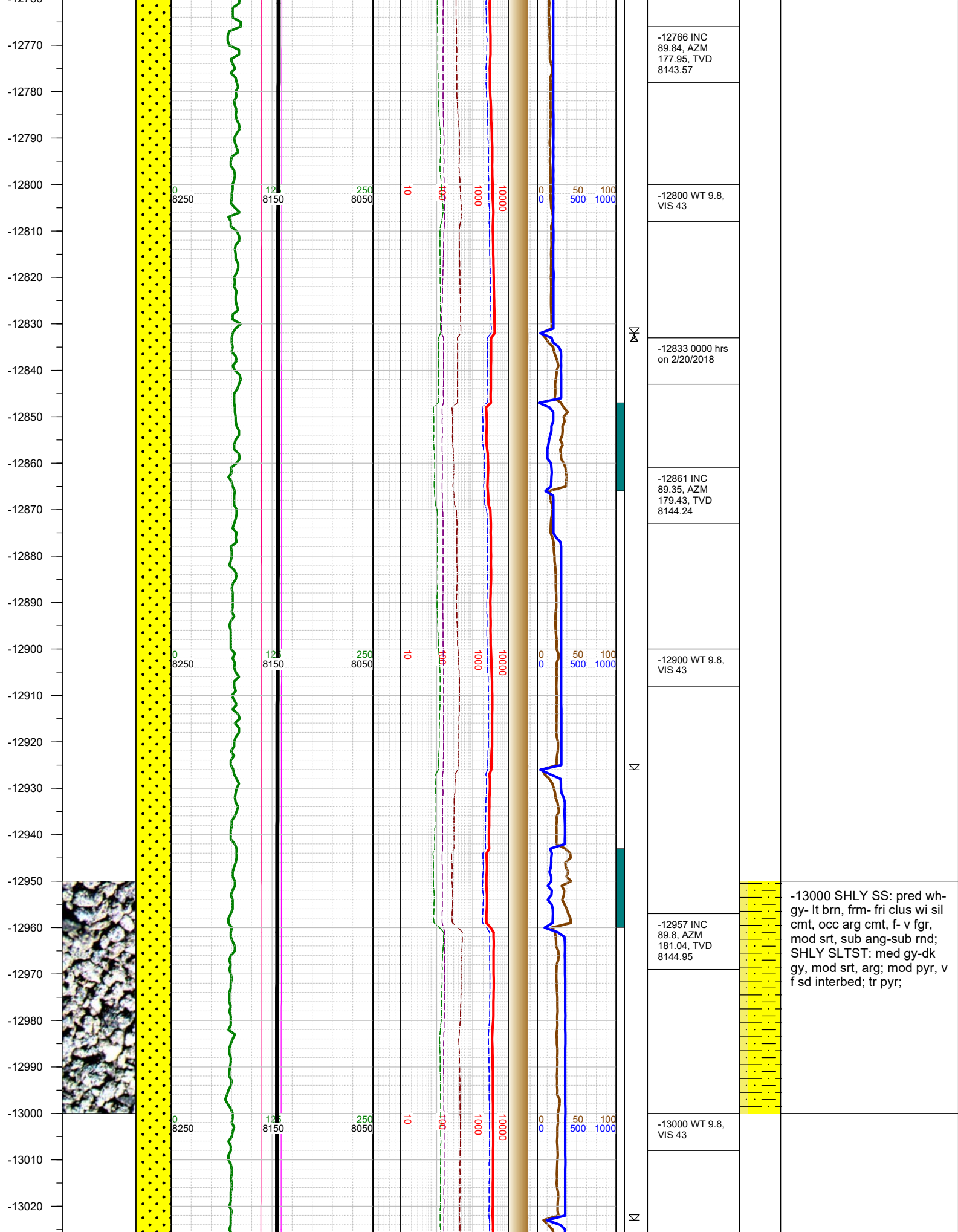
-12384 INC
90.76, AZM
178.48, TVD
8137.66

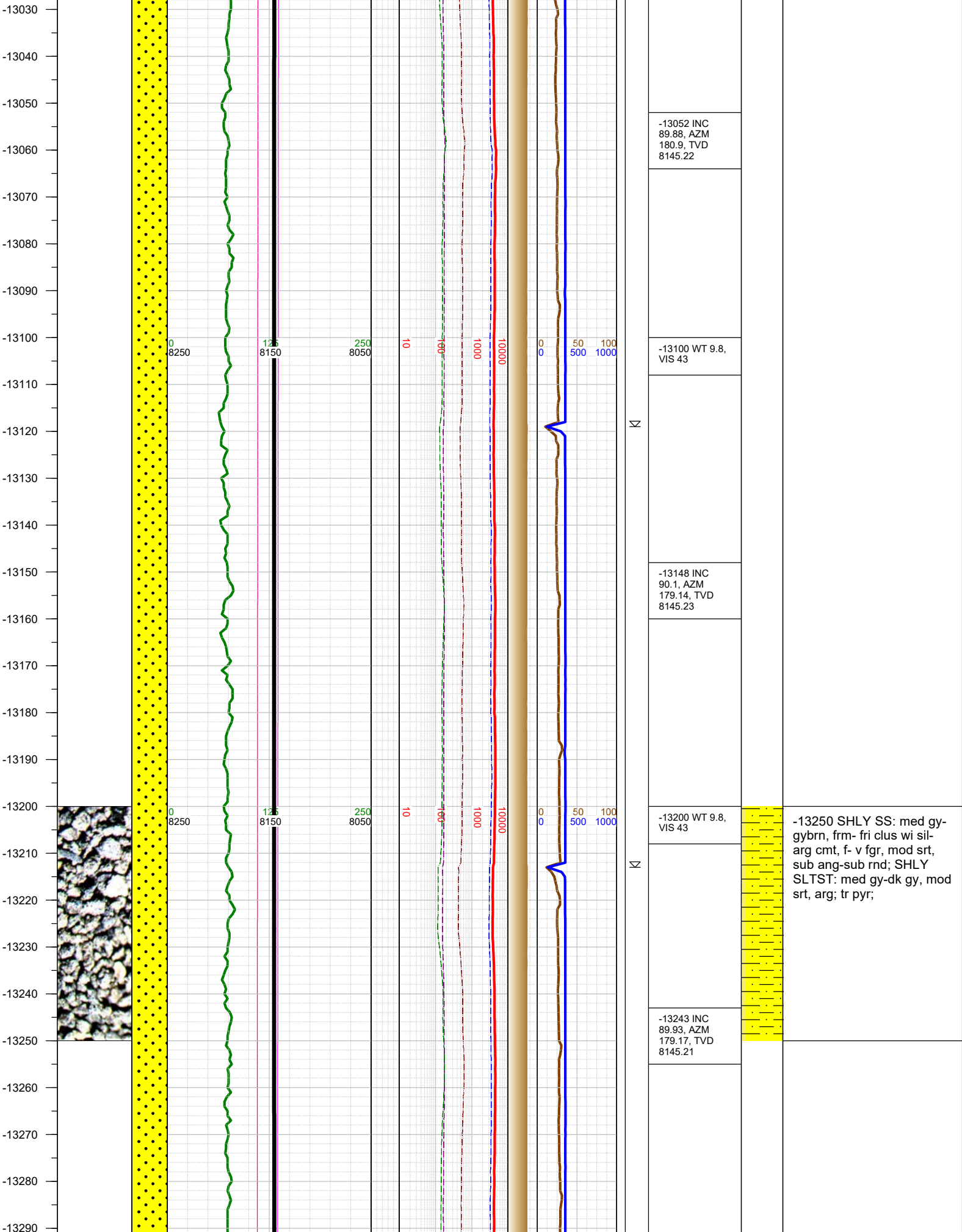
-12400 WT 9.9,
VIS 43

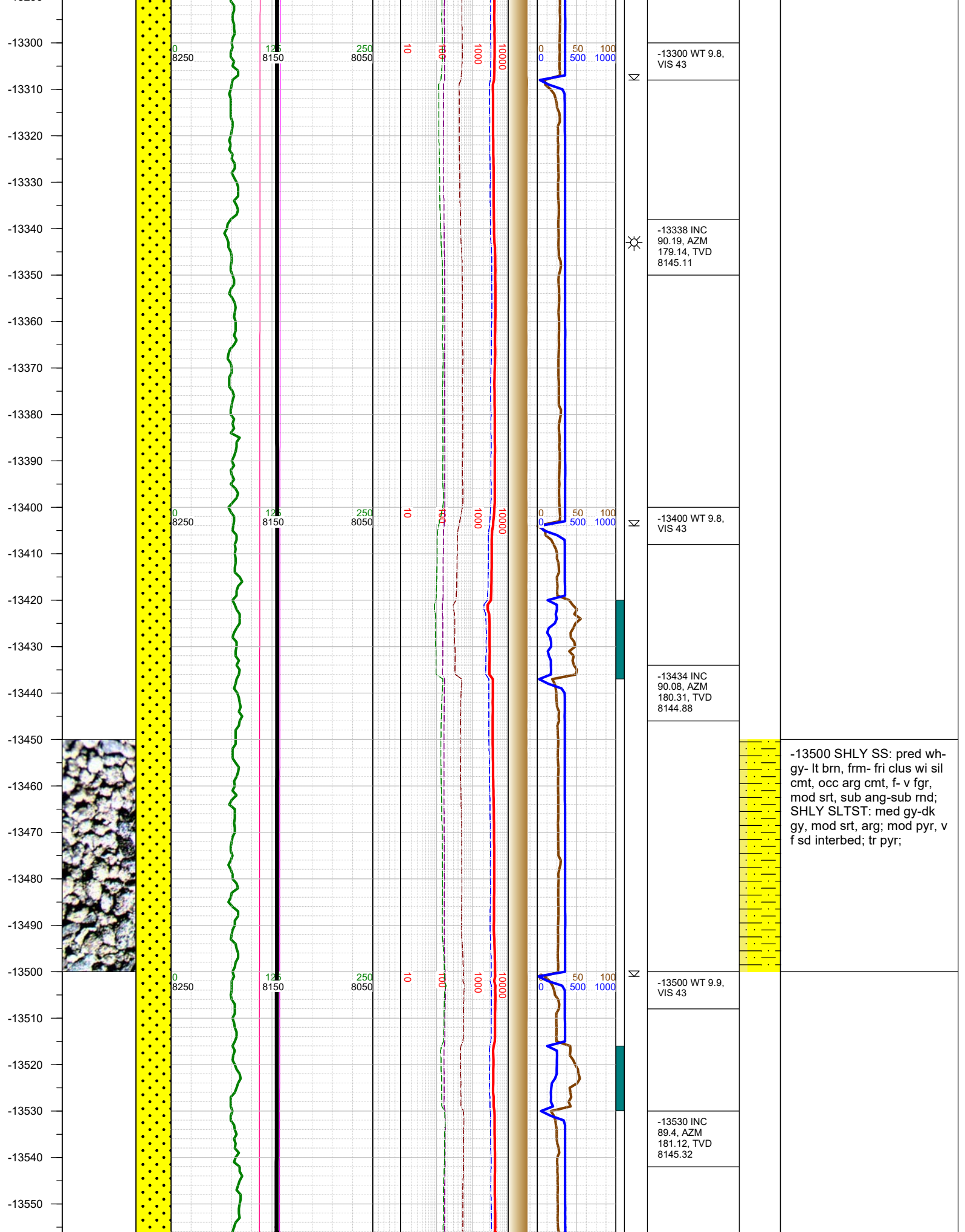
-12479 INC
88.46, AZM
178.35, TVD
8138.31

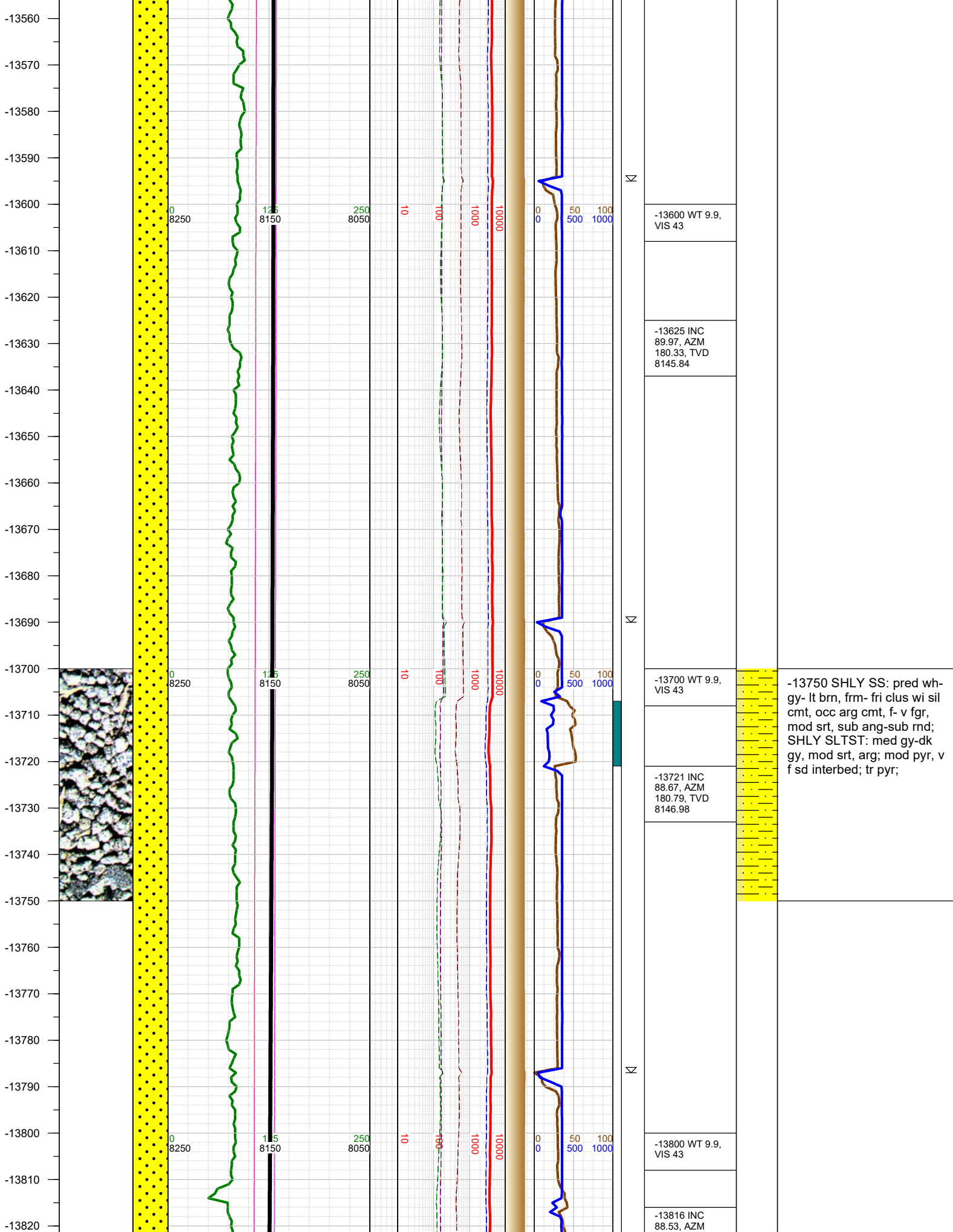
-12500 SHLY SS: pred wh-gy- lt brn, frm- fri clus wi sil cmt, occ arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, arg; mod pyr, v f sd interbed; tr pyr;



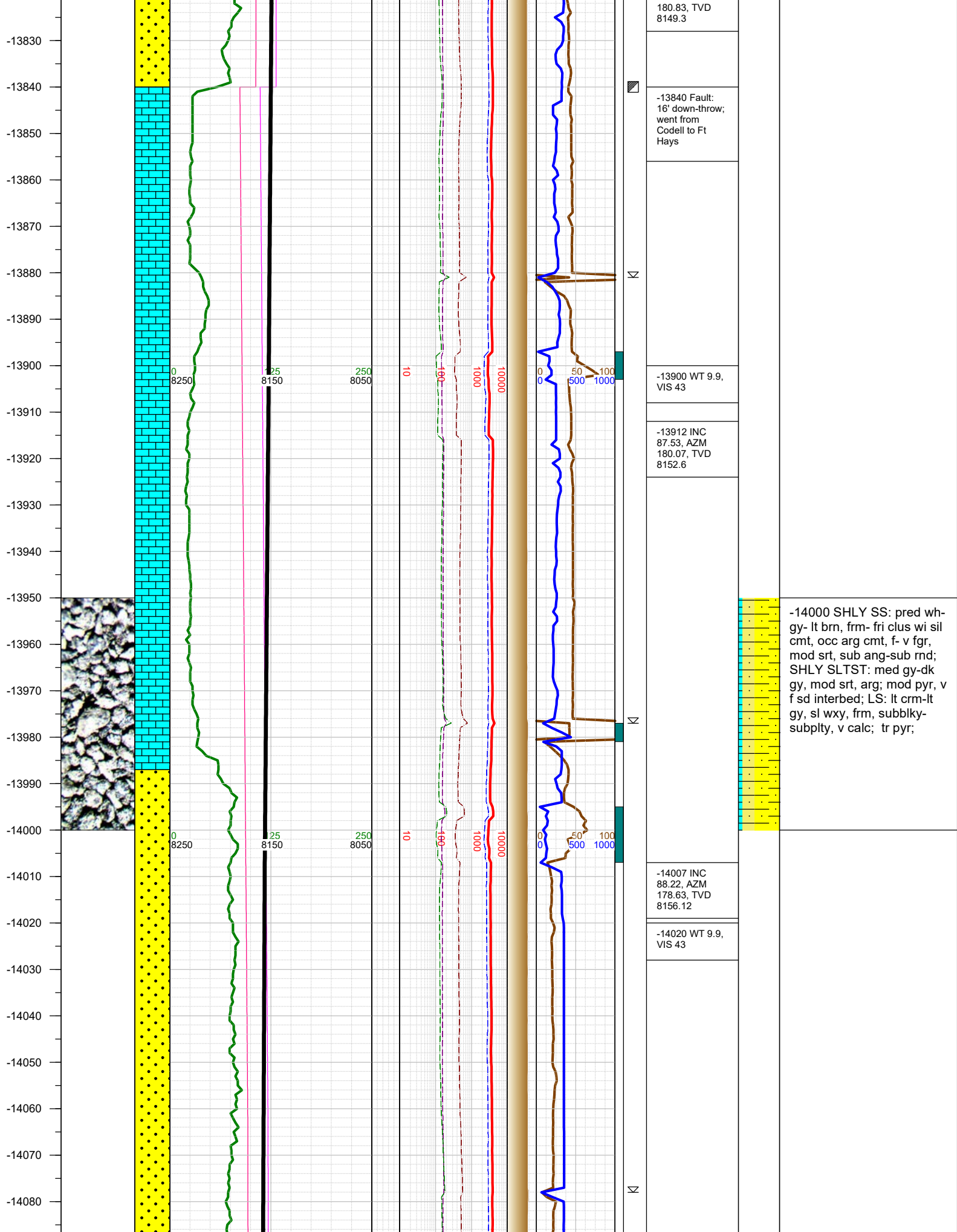


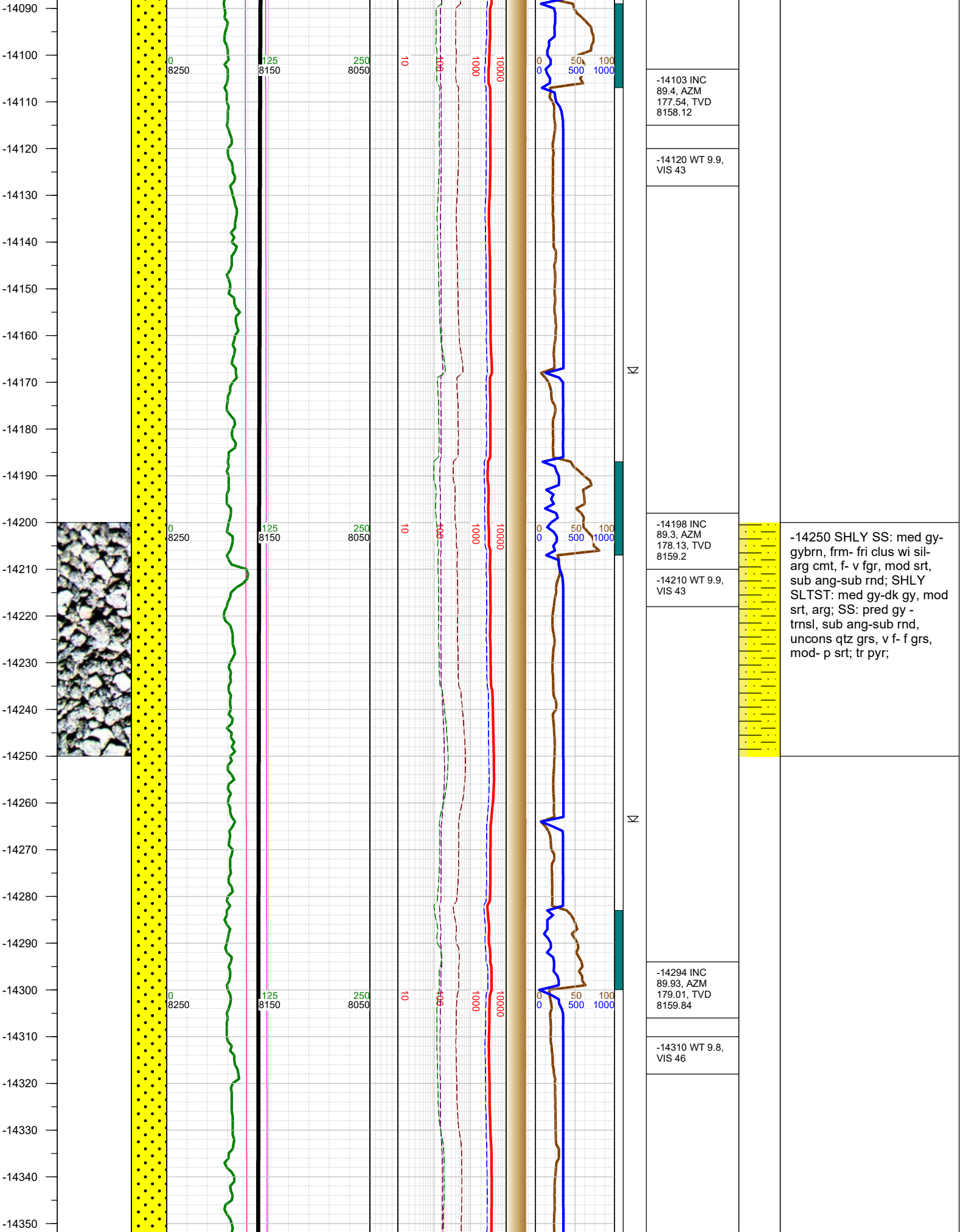


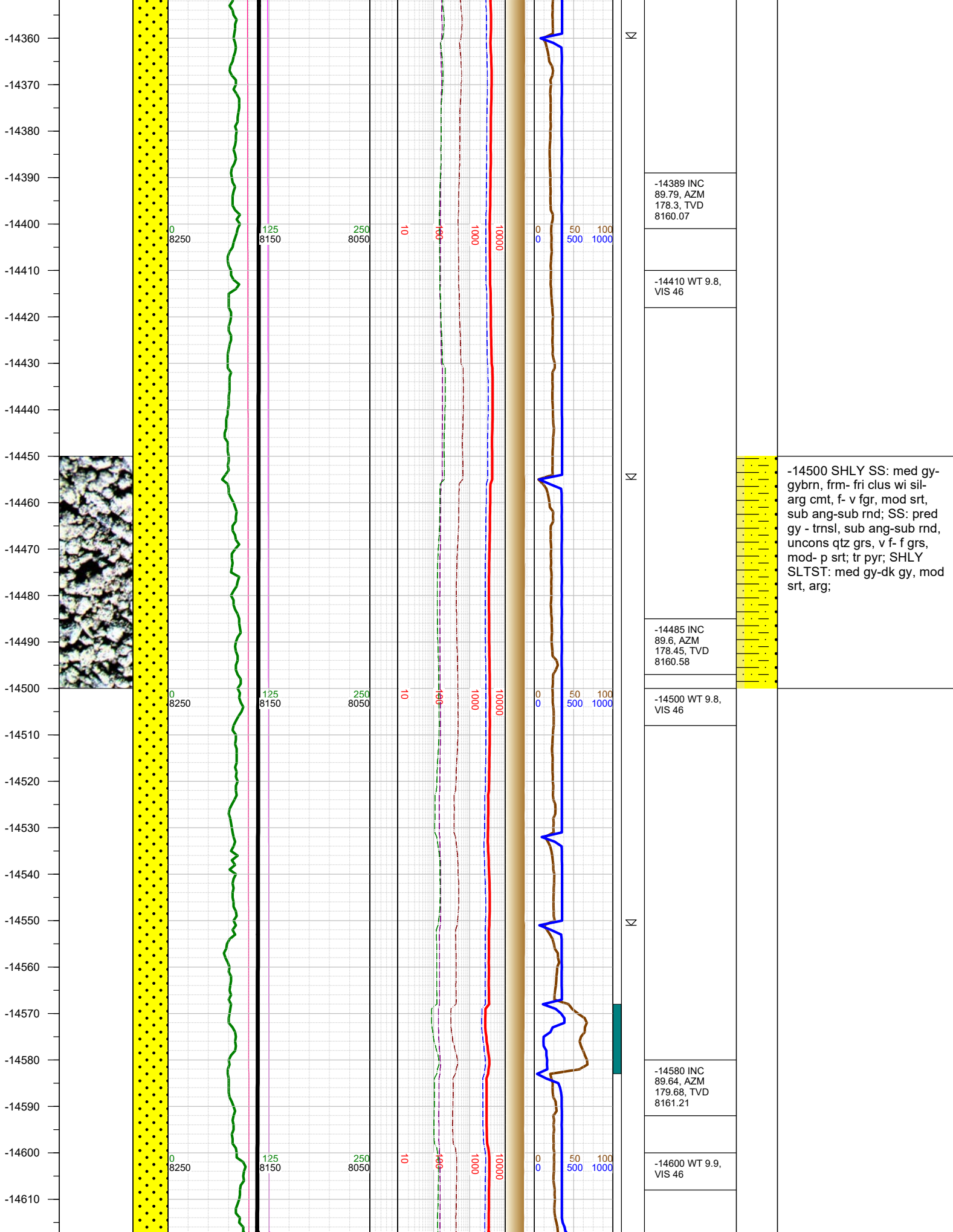




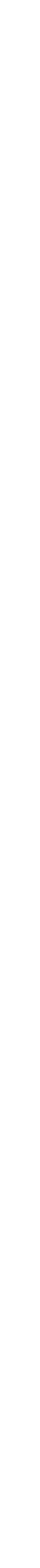
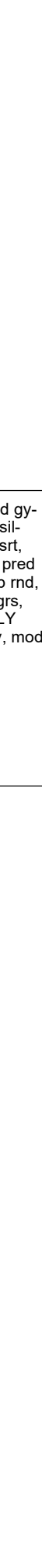
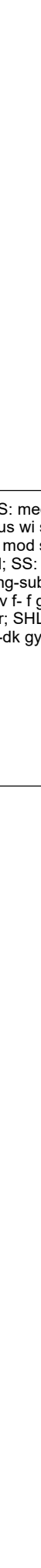
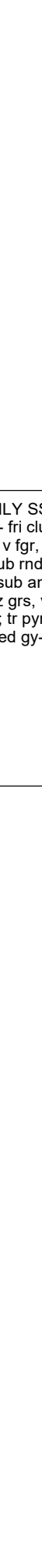
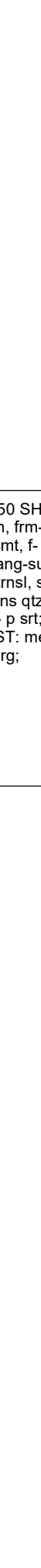
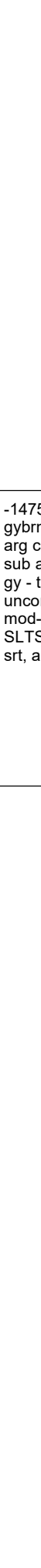
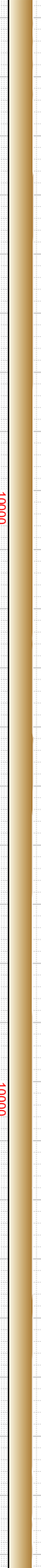
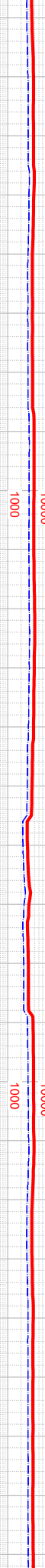
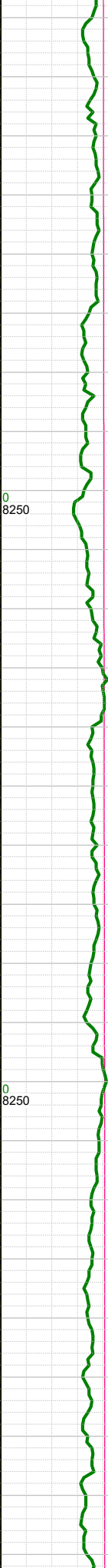
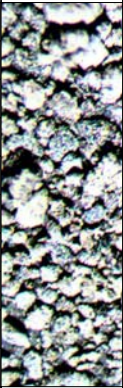
-13750 SHLY SS: pred wh-gy- lt brn, frm- fri clus wi sil cmt, occ arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, arg; mod pyr, v f sd interbed; tr pyr;







-14620
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-14676 INC
88.76, AZM
179.8, TVD
8162.55

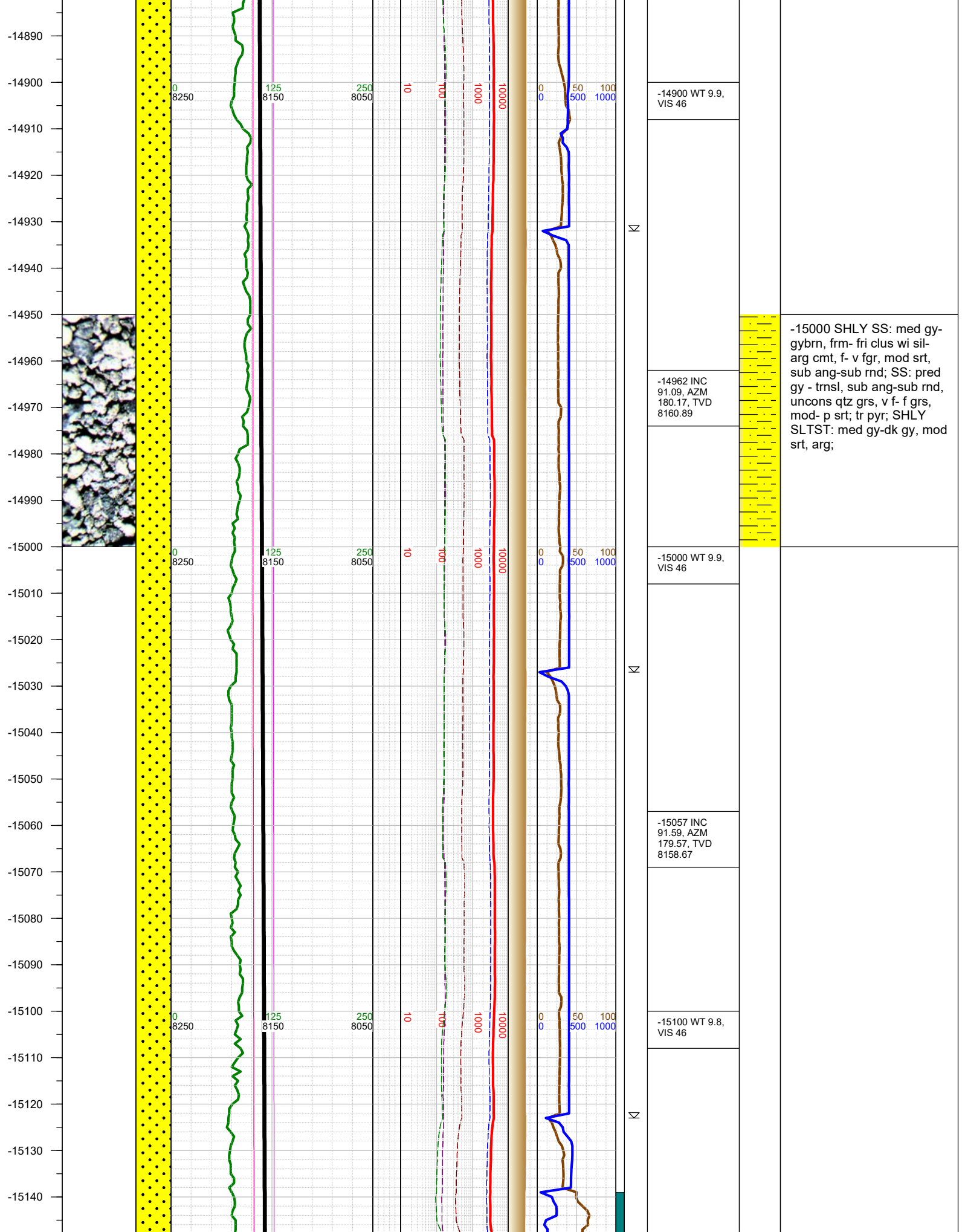
-14700 WT 9.9,
VIS 46

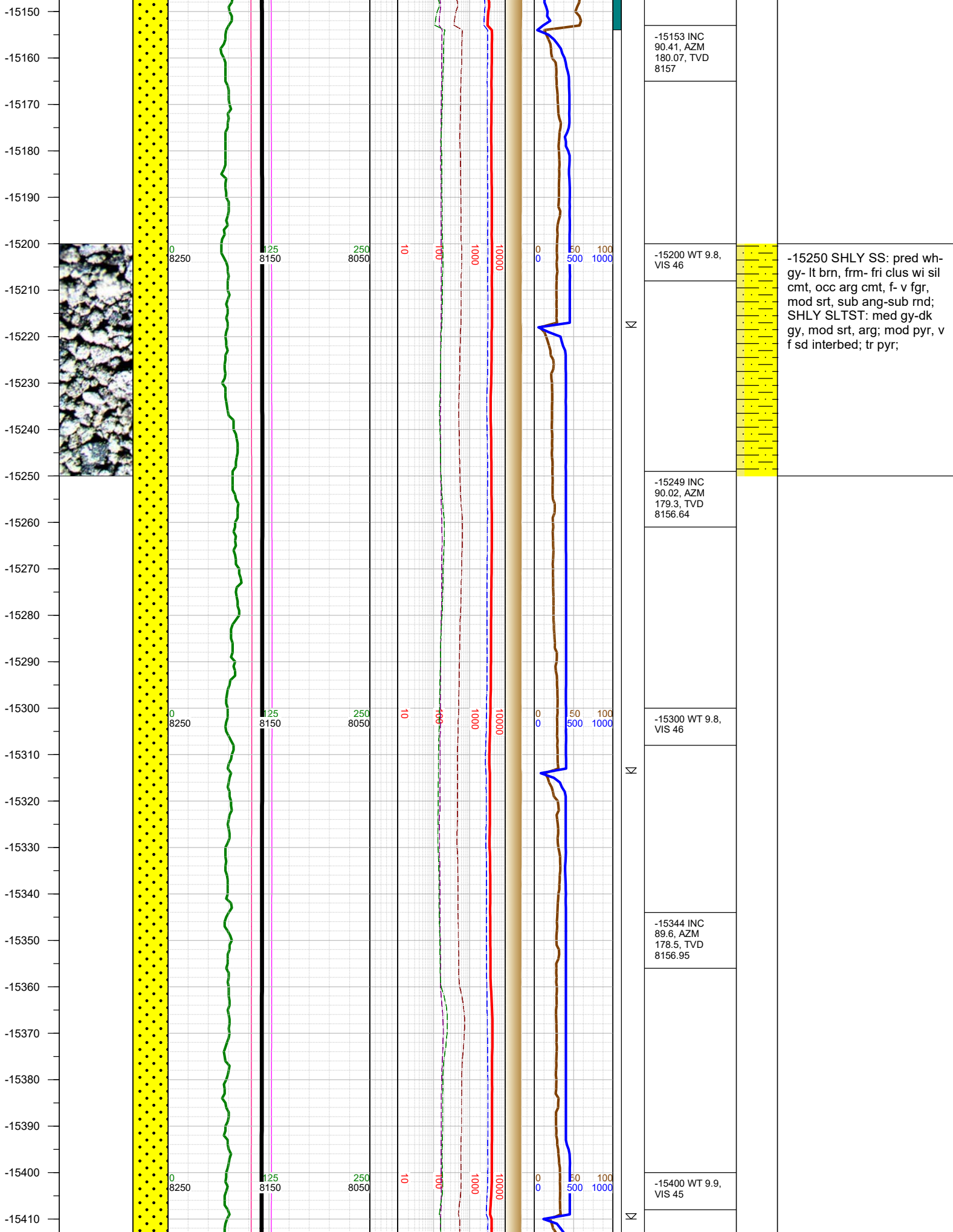
-14771 INC
90.29, AZM
180.14, TVD
8163.34

-14800 WT 9.9,
VIS 46

-14867 INC
90.78, AZM
180.12, TVD
8162.44

-14750 SHLY SS: med gy-
gybrn, frm- fri clus wi sil-
arg cmt, f- v fgr, mod srt,
sub ang-sub rnd; SS: pred
gy - trnsi, sub ang-sub rnd,
uncons qtz grs, v f- f grs,
mod- p srt; tr pyr; SHLY
SLTST: med gy-dk gy, mod
srt, arg;





-15153 INC
90.41, AZM
180.07, TVD
8157

-15200 WT 9.8,
VIS 46

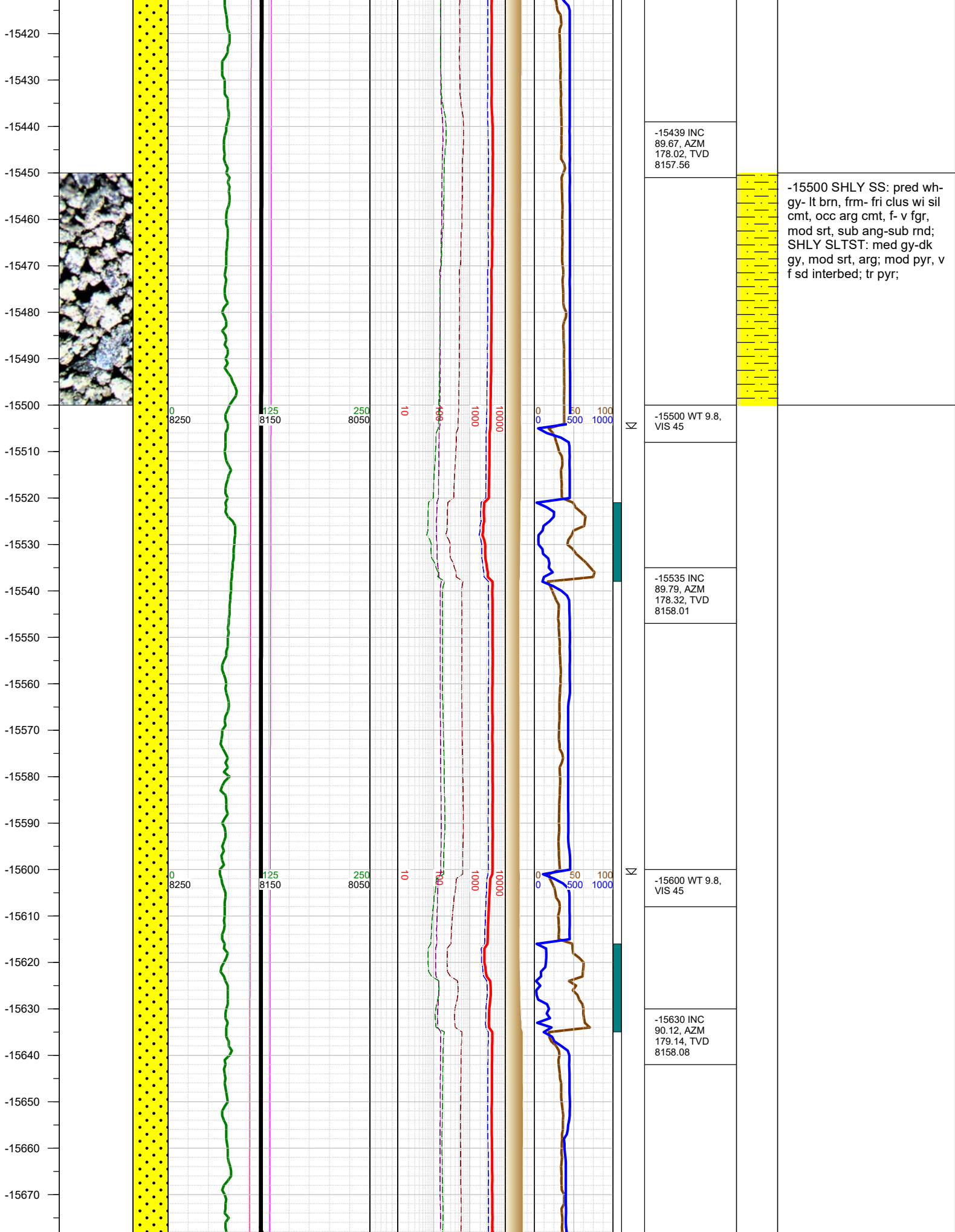
-15249 INC
90.02, AZM
179.3, TVD
8156.64

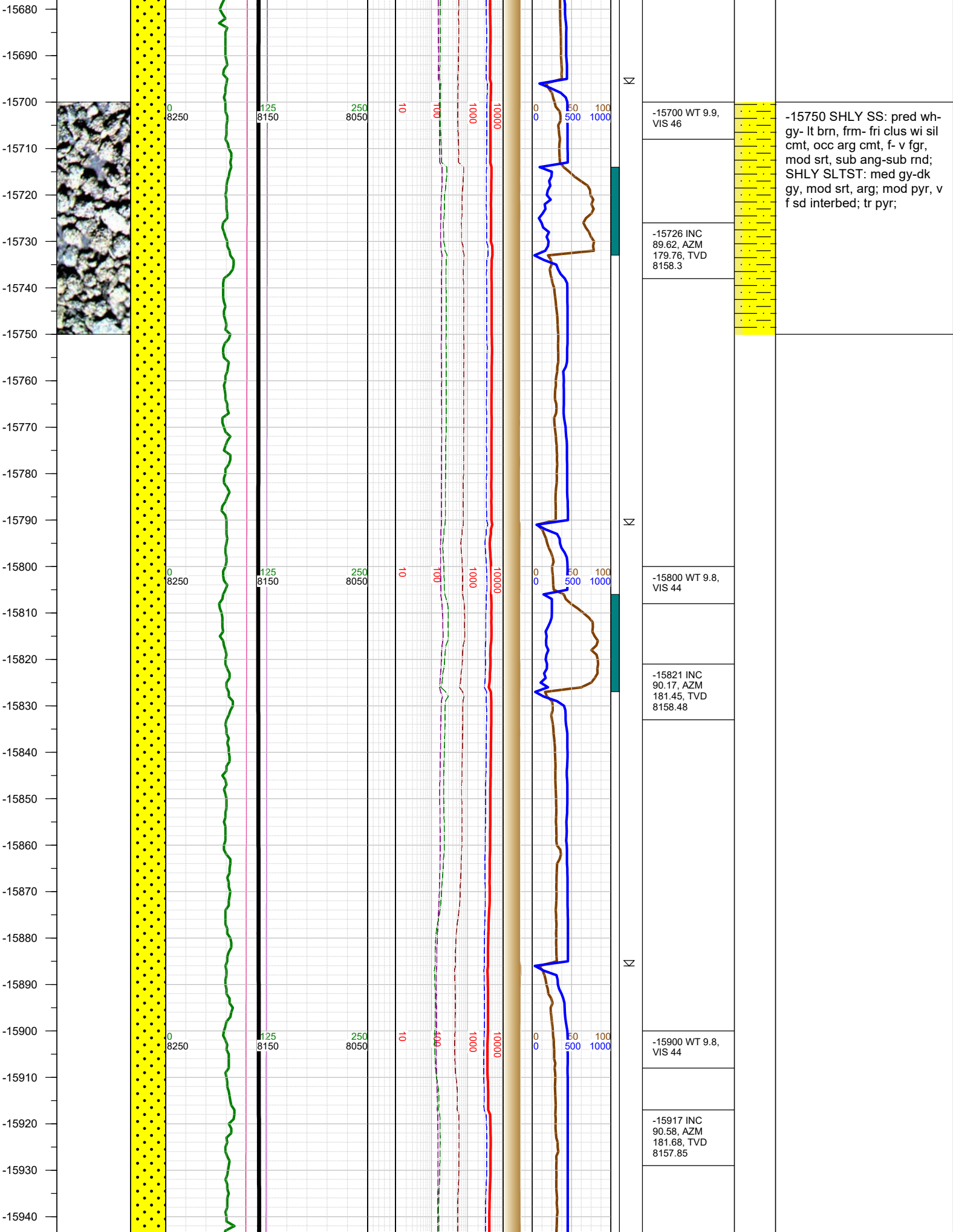
-15300 WT 9.8,
VIS 46

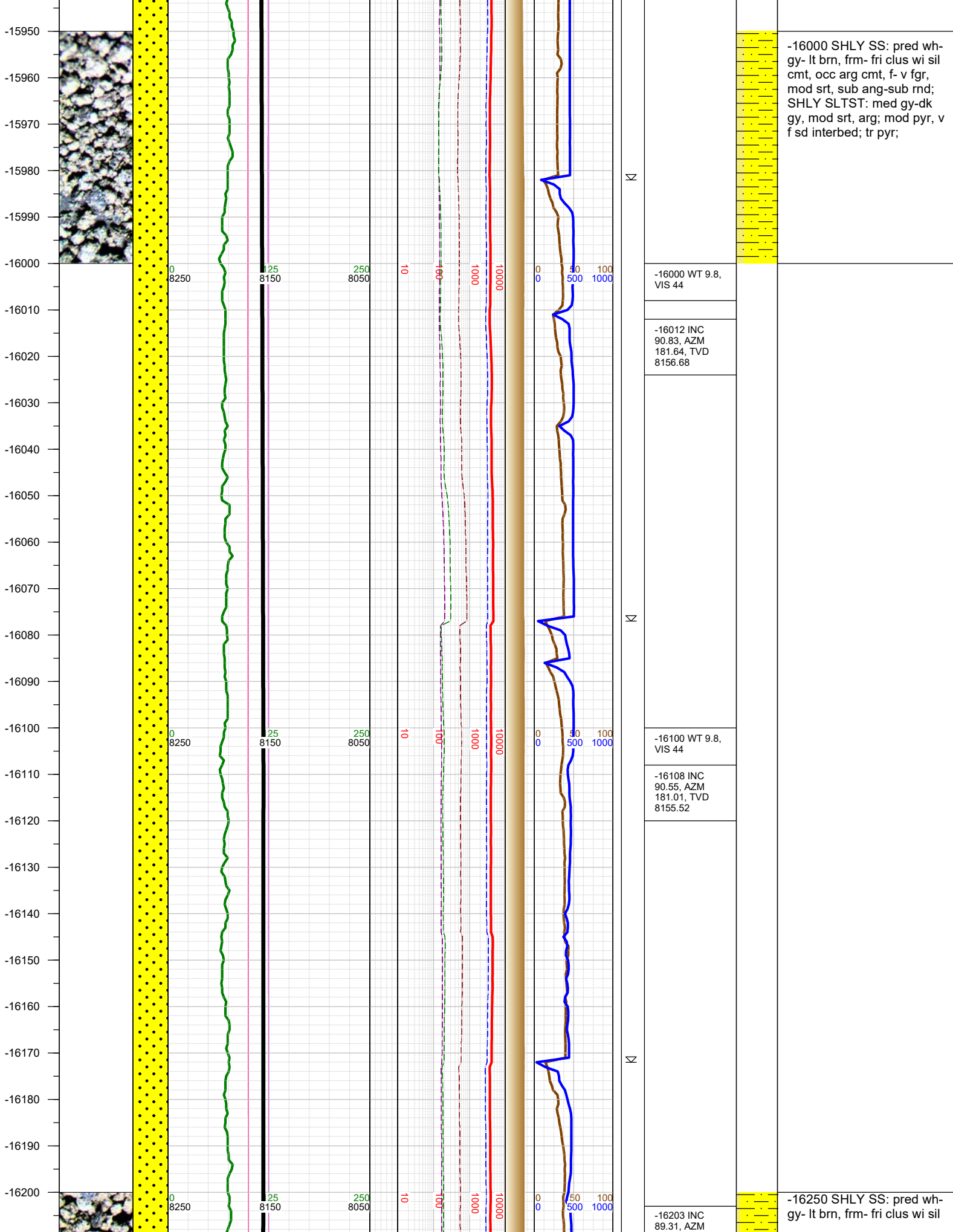
-15344 INC
89.6, AZM
178.5, TVD
8156.95

-15400 WT 9.9,
VIS 45

-15250 SHLY SS: pred wh-
gy- lt brn, frm- fri clus wi sil
cmt, occ arg cmt, f- v fgr,
mod srt, sub ang-sub rnd;
SHLY SLTST: med gy-dk
gy, mod srt, arg; mod pyr, v
f sd interbed; tr pyr;

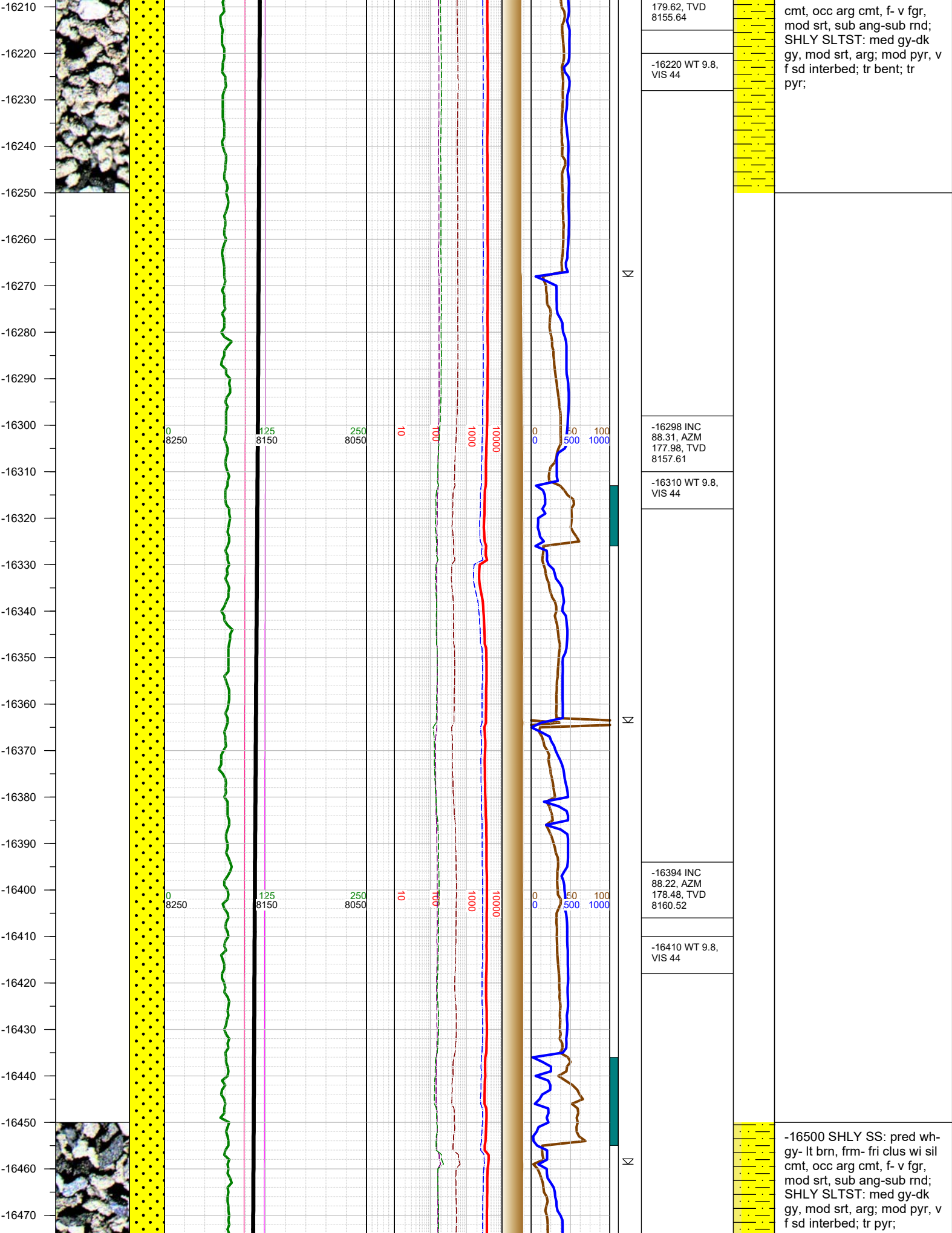


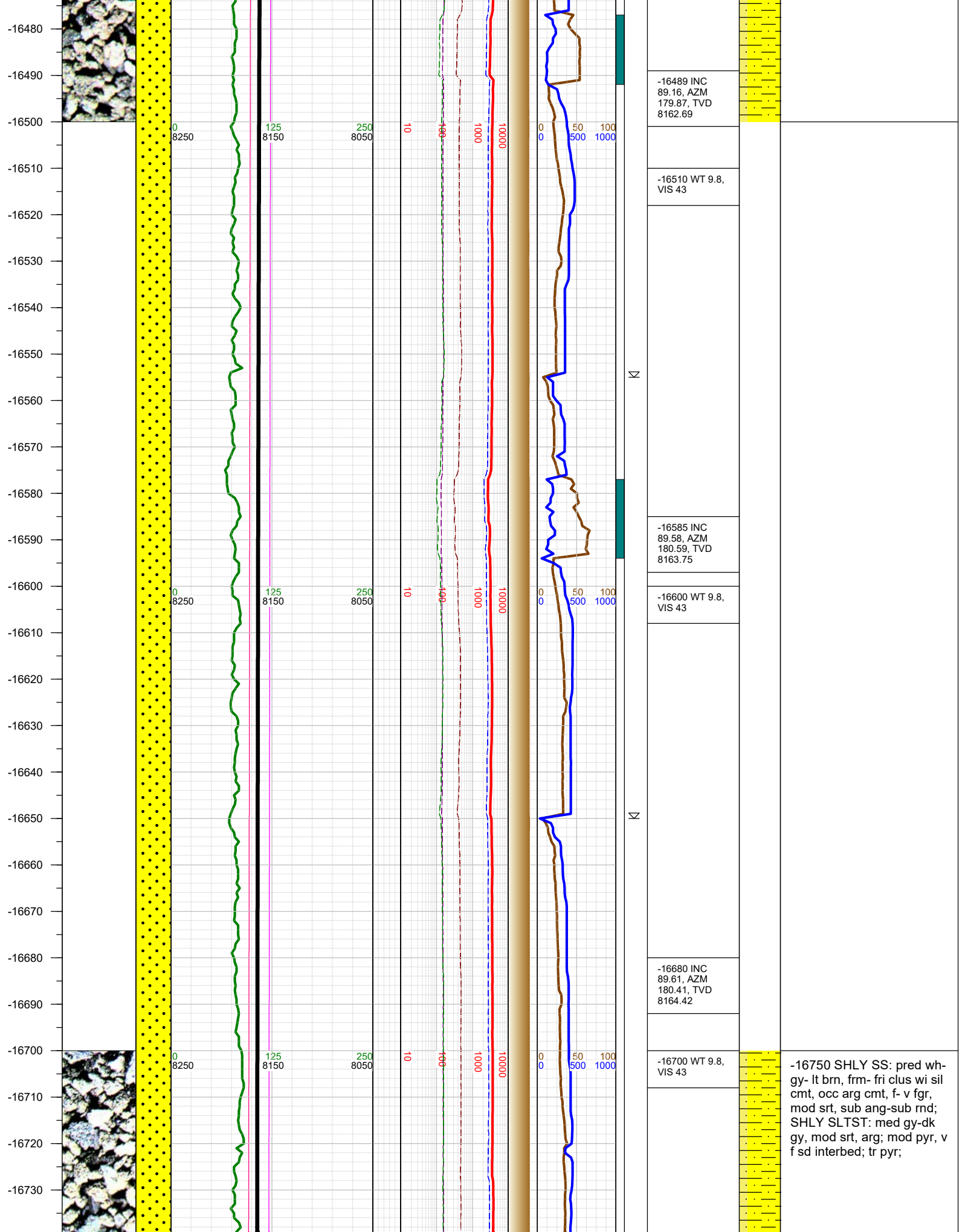


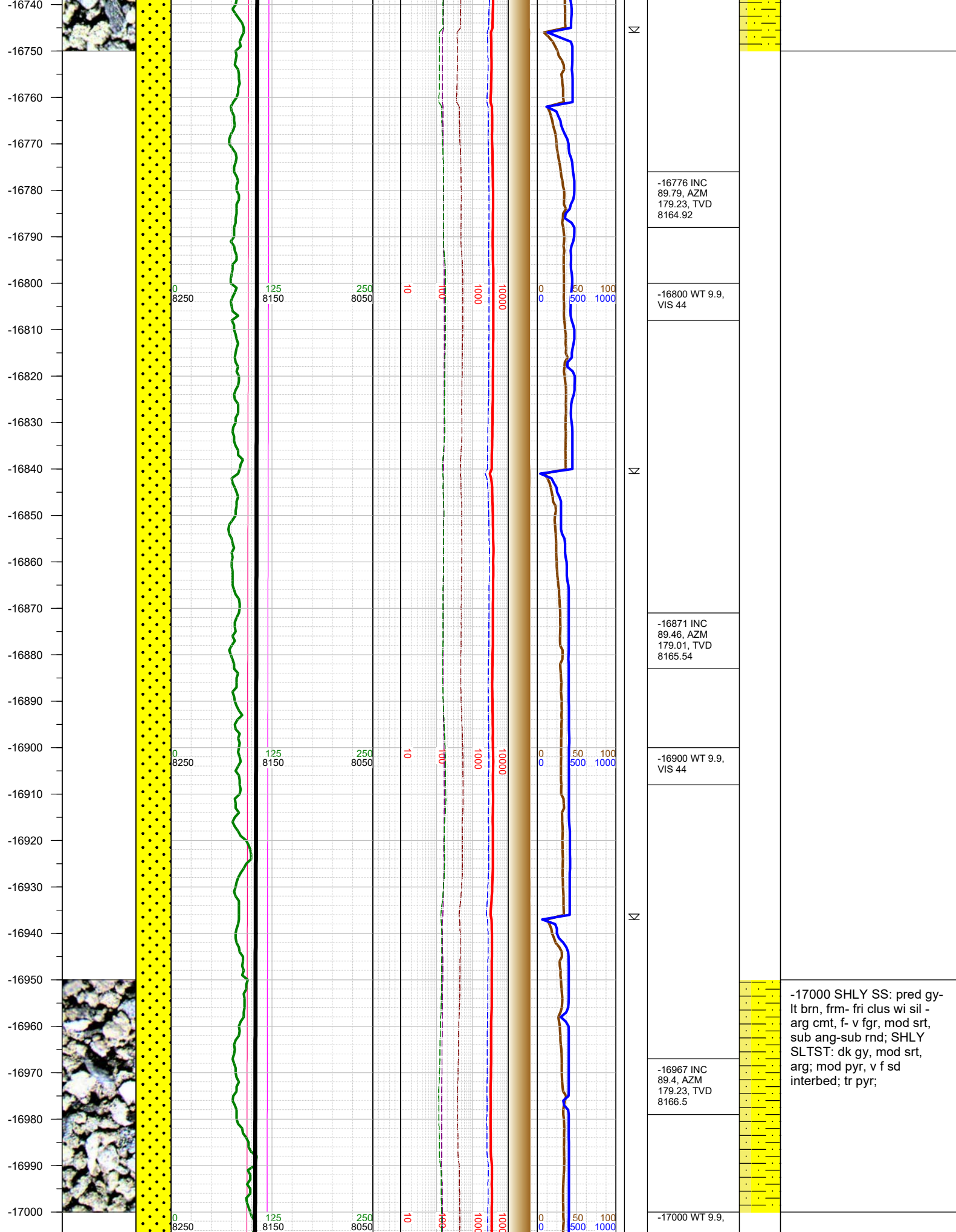


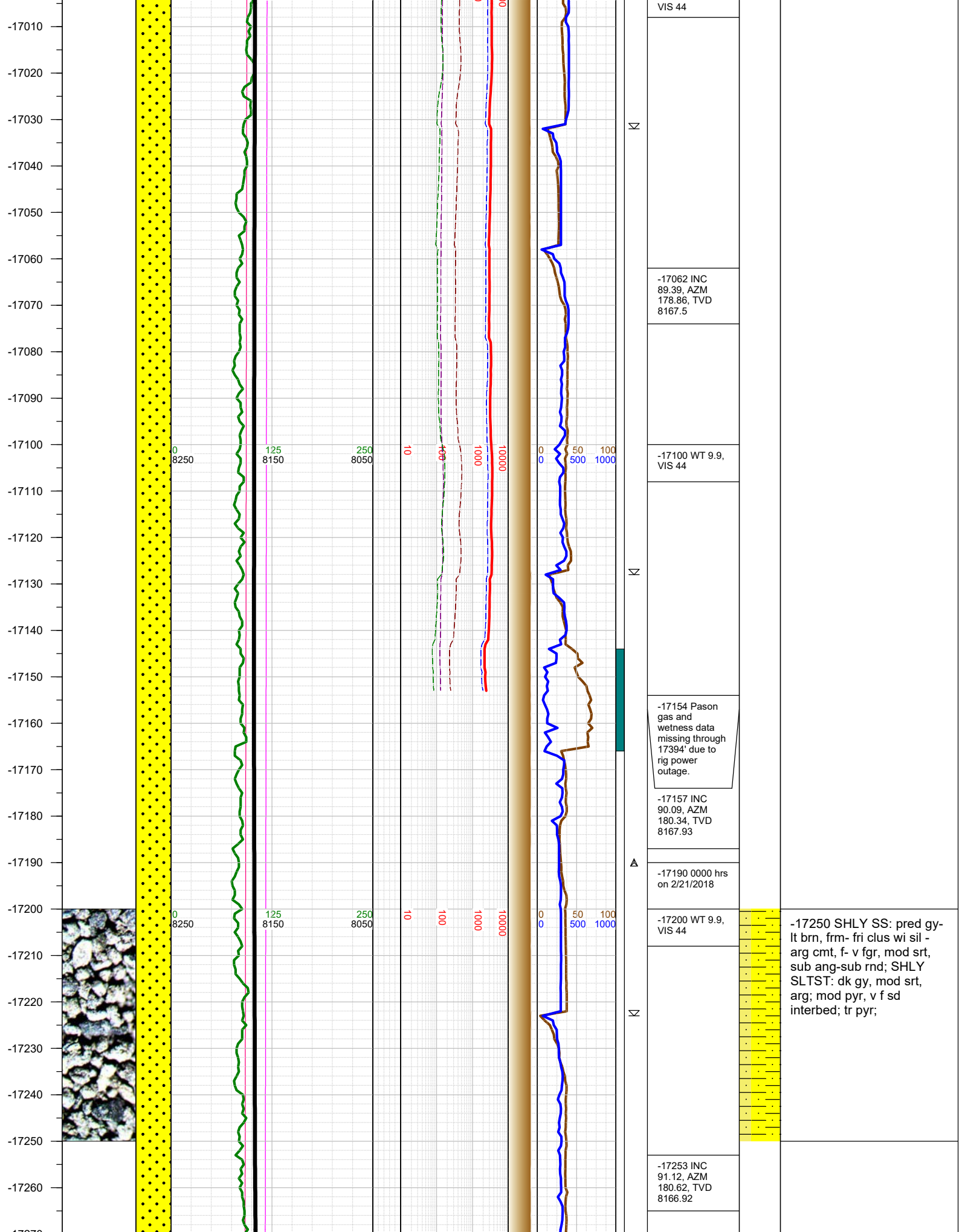
-16000 SHLY SS: pred wh-gy- lt brn, frm- fri clus wi sil cmt, occ arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, arg; mod pyr, v f sd interbed; tr pyr;

-16250 SHLY SS: pred wh-gy- lt brn, frm- fri clus wi sil

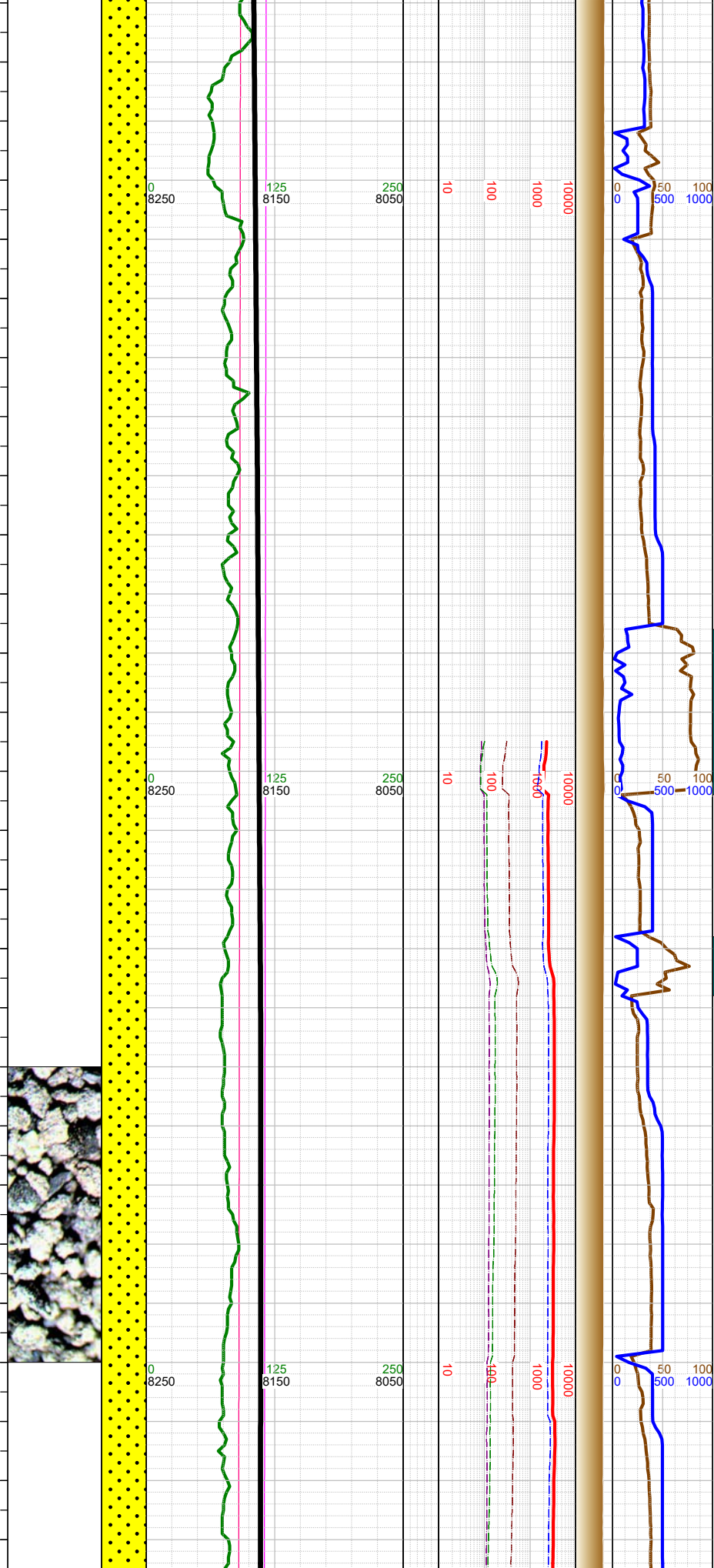




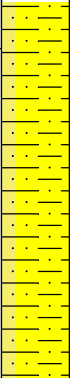




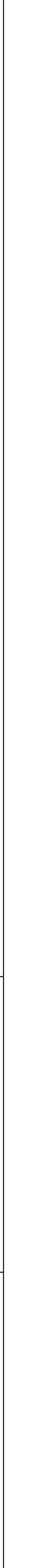
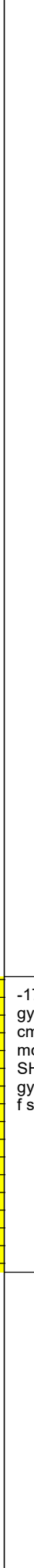
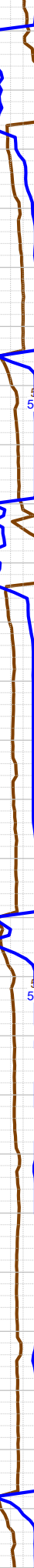
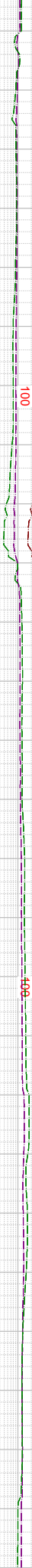
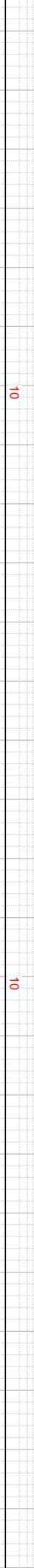
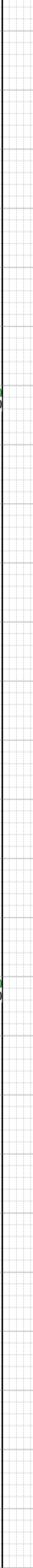
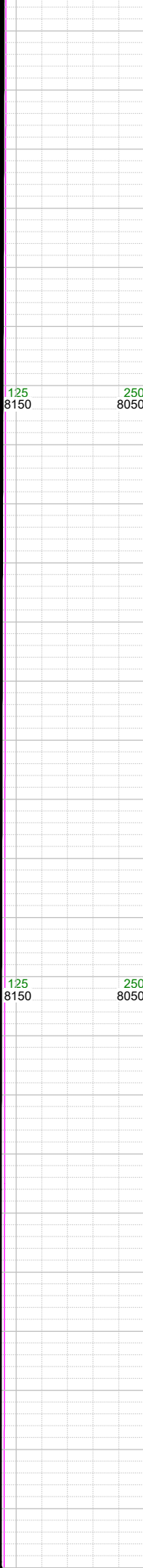
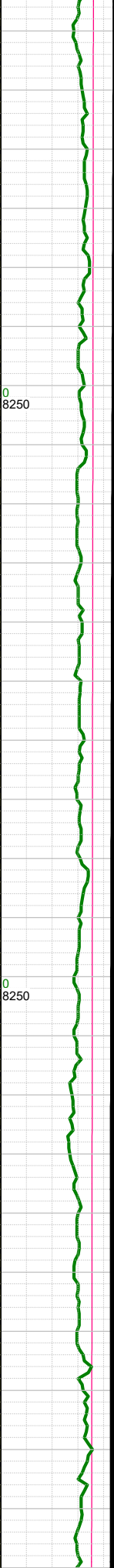
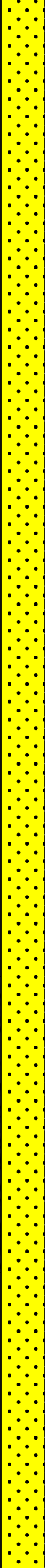
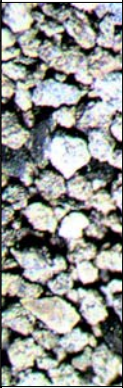


-17270
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-17530



	-17297 TOOH for motor at 0104 hrs on 2/21/2018. Resumed drilling at 1530 hrs on 2/21/2018. Bit #3 - Reed TK56, 5x14, 8.5"		
	-17330 WT 9.8, VIS 48		
	-17349 INC 92.86, AZM 180.73, TVD 8163.58		
	-17400 WT 9.8, VIS 48		
	-17444 INC 90.28, AZM 184.14, TVD 8160.98		-17500 SHLY SS: pred wh- gy- lt brn, frm- fri clus wi sil cmt, occ arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, arg; mod pyr, v f sd interbed; tr pyr;
	-17500 WT 9.8, VIS 48		

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-17790
-17800



-17540 INC
89.54, AZM
184.56, TVD
8161.13

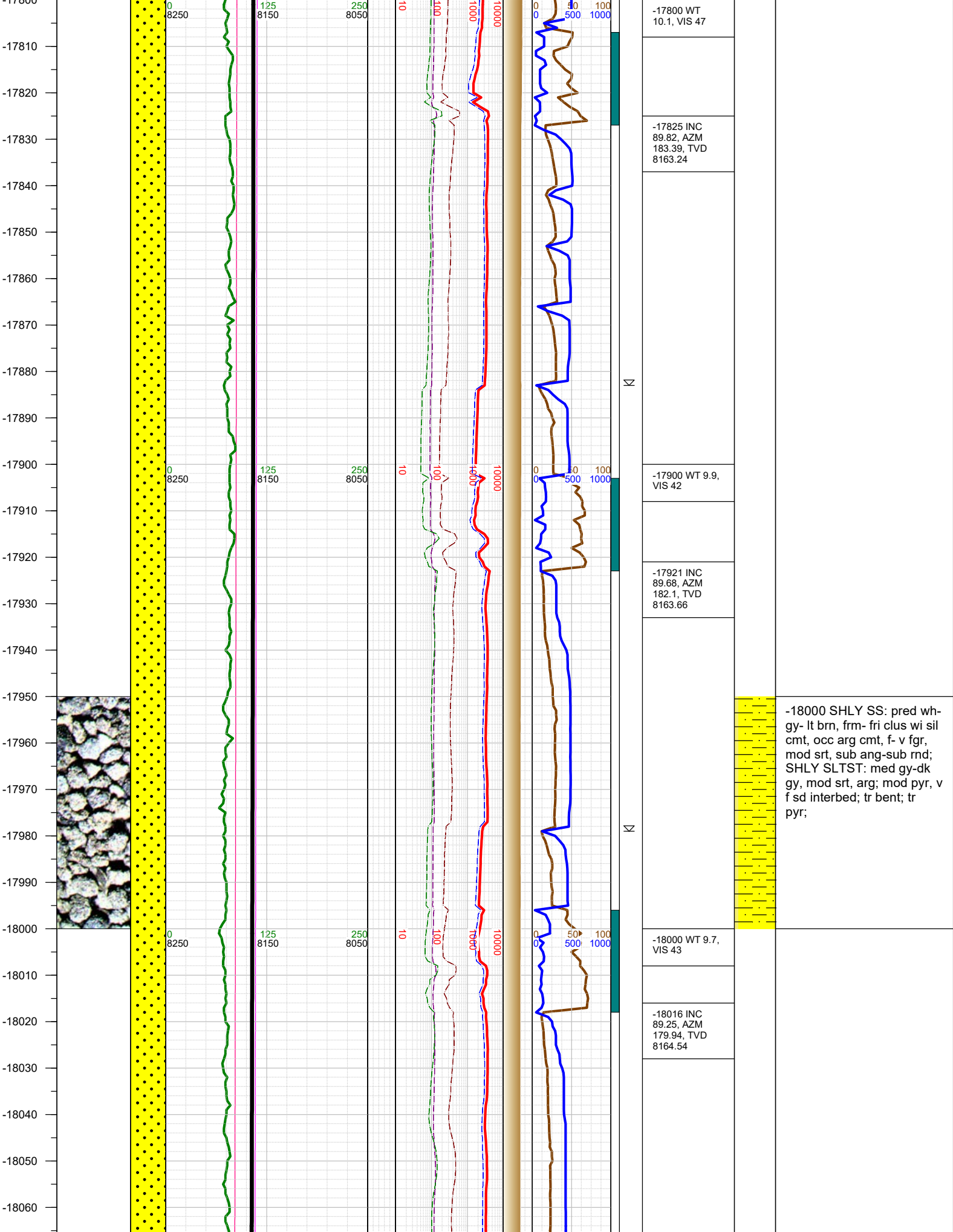
-17600 WT
10.1, VIS 47

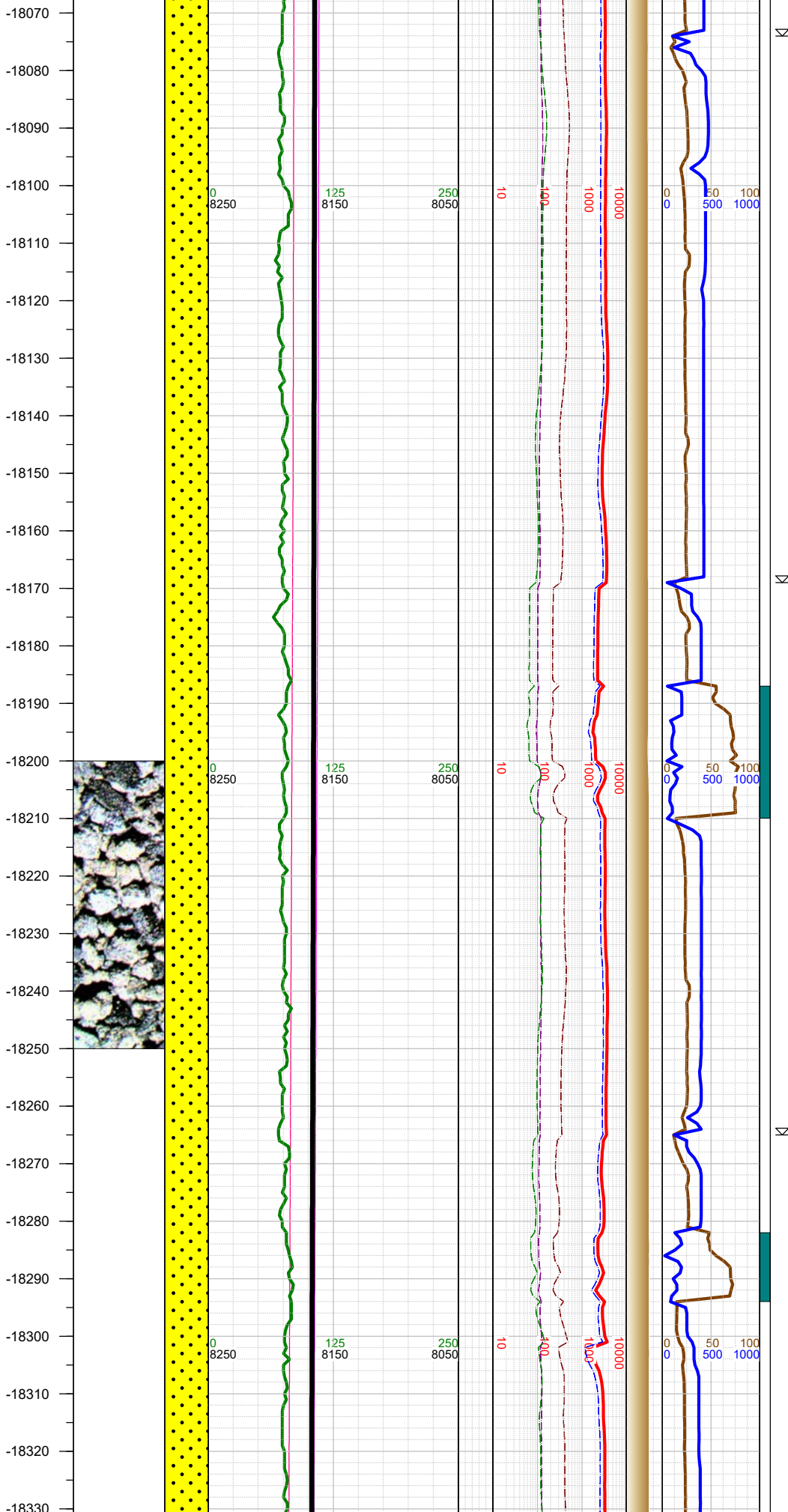
-17635 INC
88.84, AZM
184.05, TVD
8162.47

-17700 WT
10.1, VIS 47

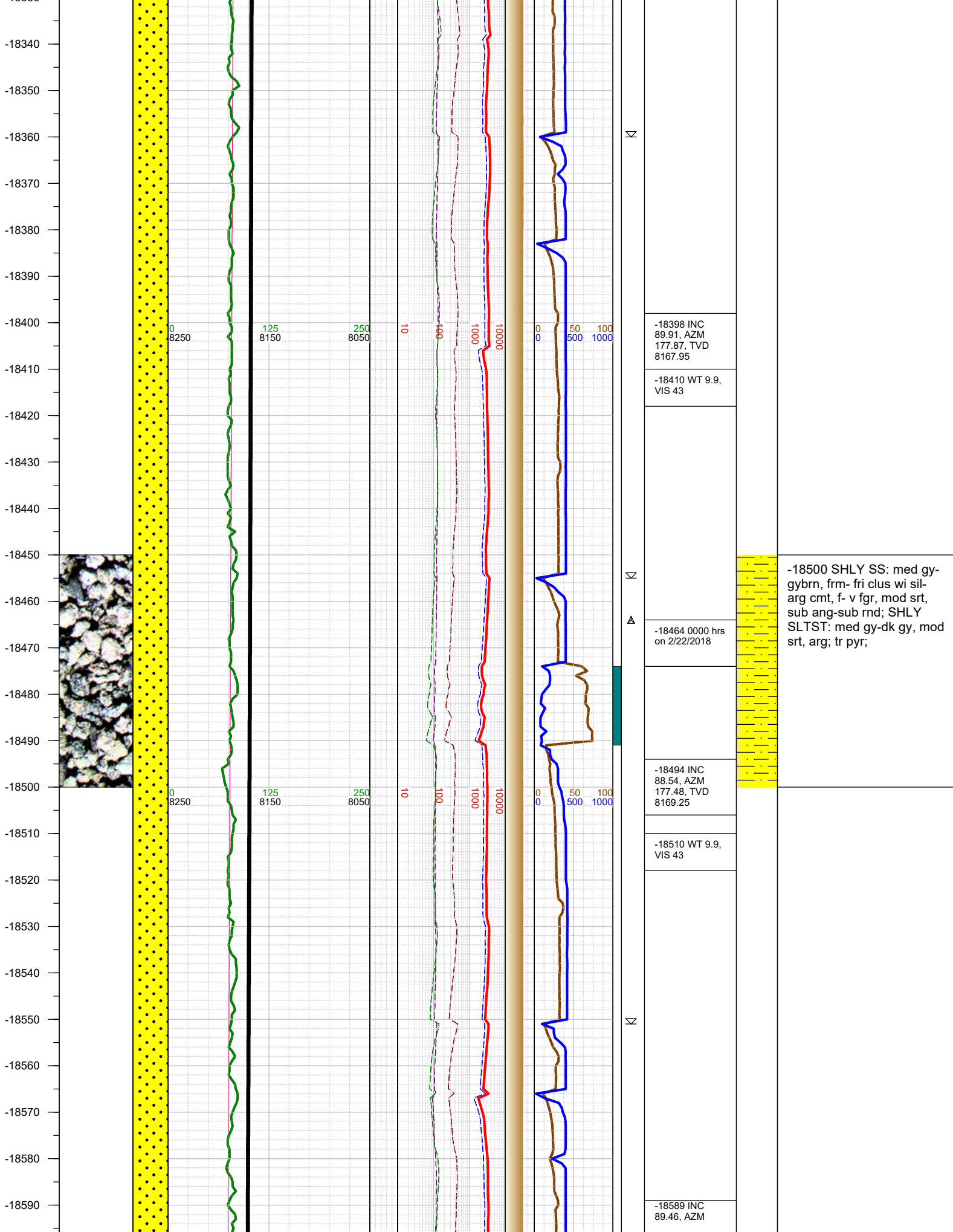
-17730 INC
90.21, AZM
184.06, TVD
8163.26

-17750 SHLY SS: pred wh-
gy- lt brn, frm- fri clus wi sil
cmt, occ arg cmt, f- v fgr,
mod srt, sub ang-sub rnd;
SHLY SLTST: med gy-dk
gy, mod srt, arg; mod pyr, v
f sd interbed; tr pyr;

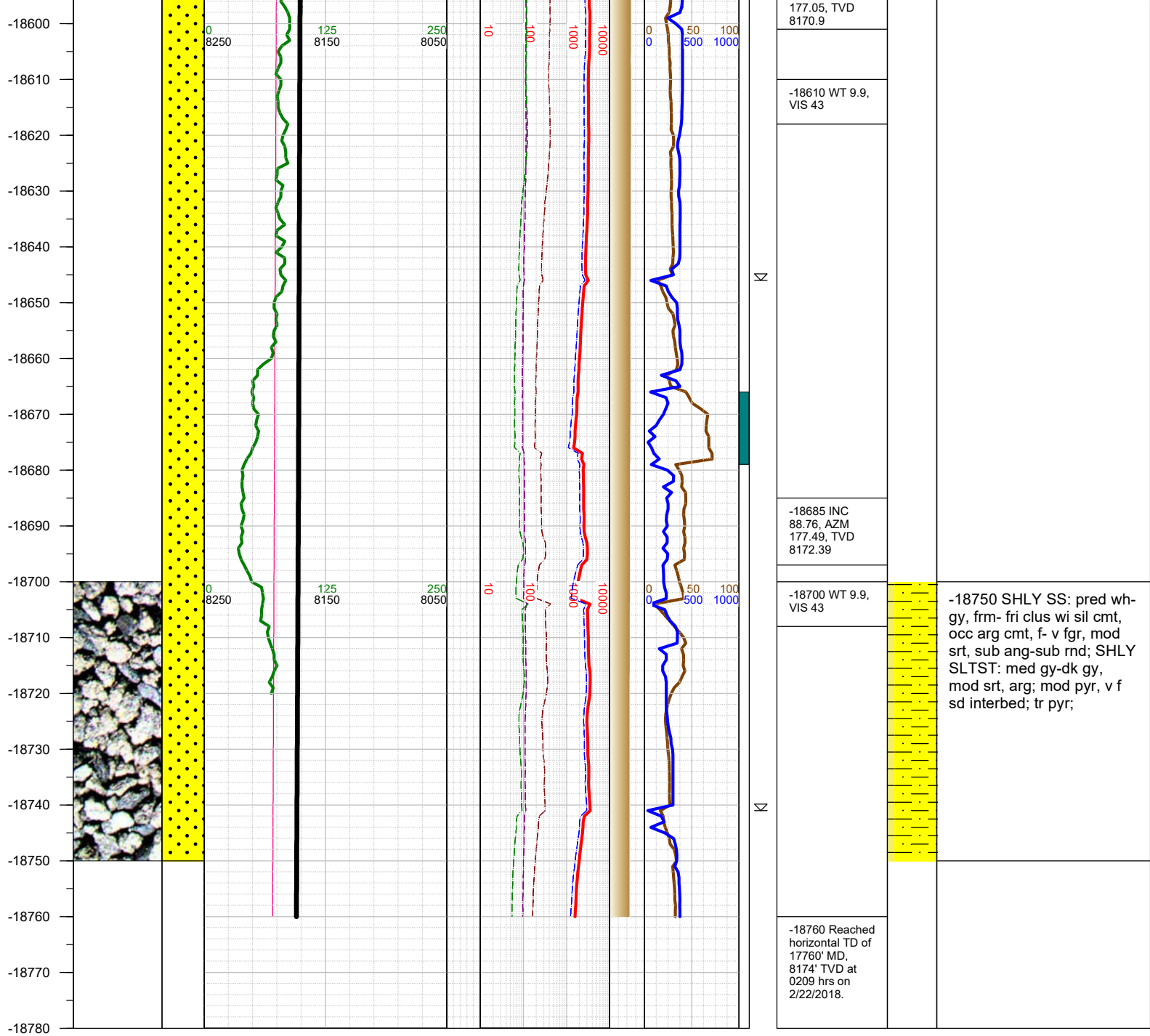




N	-18100 WT 9.7, VIS 43		
	-18112 INC 89.82, AZM 180.35, TVD 8165.32		
N	-18207 INC 89.42, AZM 178.51, TVD 8165.95		-18250 SHLY SS: pred wh-gy- lt brn, frm- fri clus wi sil cmt, occ arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, arg; mod pyr, v f sd interbed; tr pyr;
	-18220 WT 9.7, VIS 43		
N	-18303 INC 89.14, AZM 177.9, TVD 8167.16		
	-18320 WT 9.7, VIS 43		



-18500 SHLY SS: med gy-gybrn, frm- fri clus wi sil-arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, arg; tr pyr;



TOTAL DEPTH = 18760'

Thank you for using Earth Science Agency