

OPERATOR: **Extraction Oil & Gas**

WELL NAME: **VT LDS C2-16-18**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Patterson 901

API #: 05-123-44422

LAT/LONG: 40.40131, -104.65663

SURFACE HOLE: SWNW S15-T5N-R65W, 1886' FNL, 626' FWL

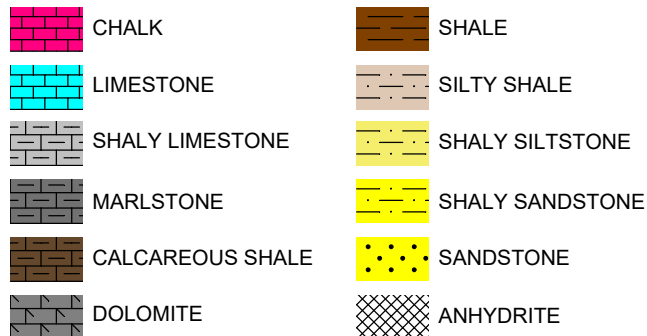
BOTTOM HOLE: S18-T5N-R65W, 825' FNL, 460' FWL



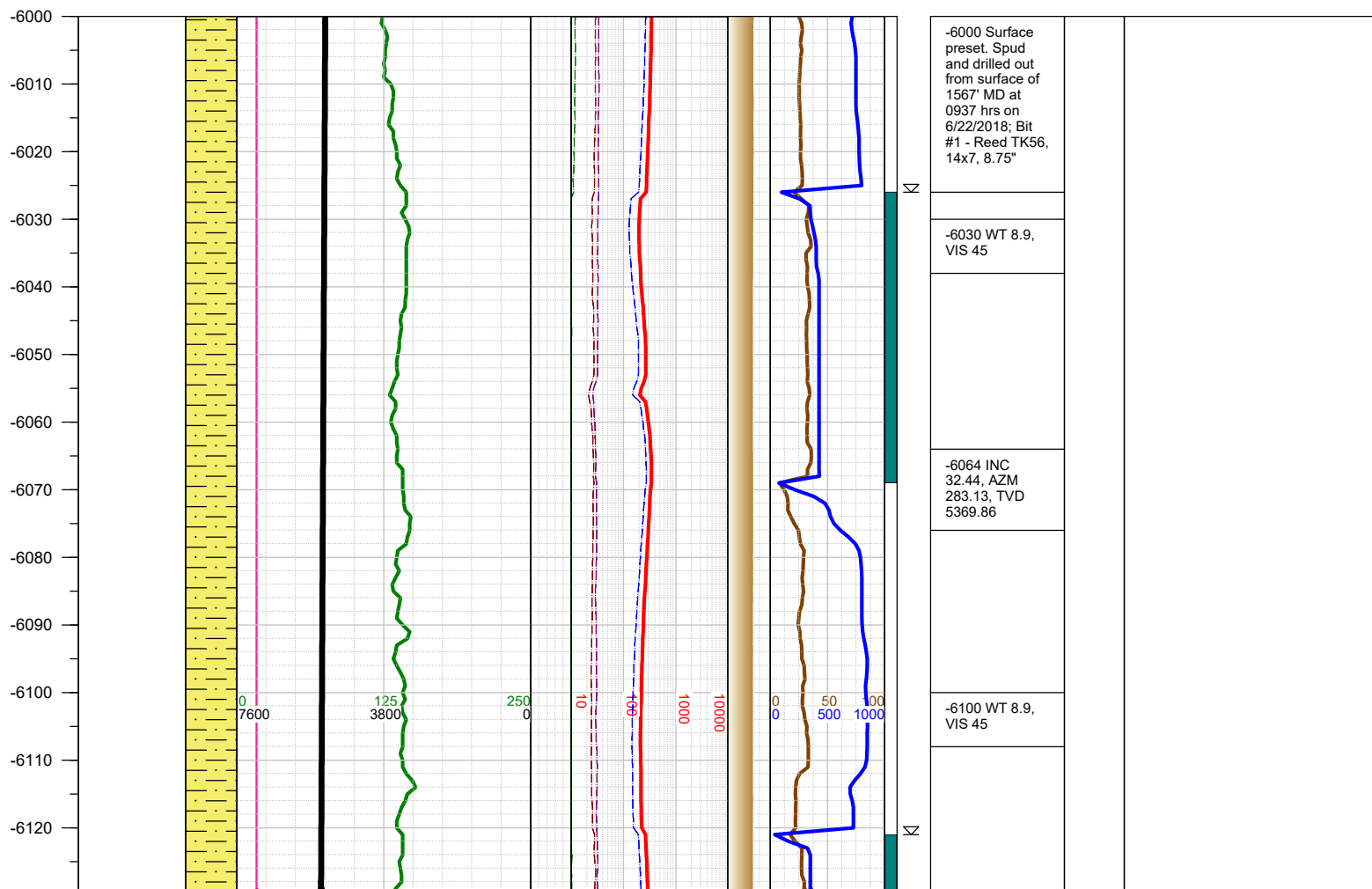
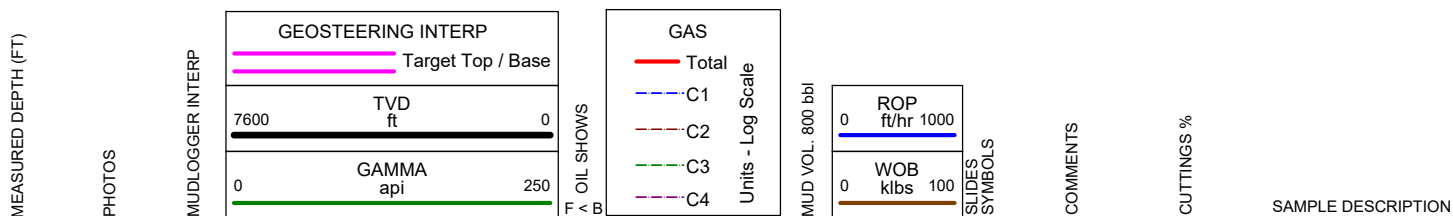
Earth Science Agency, LLC

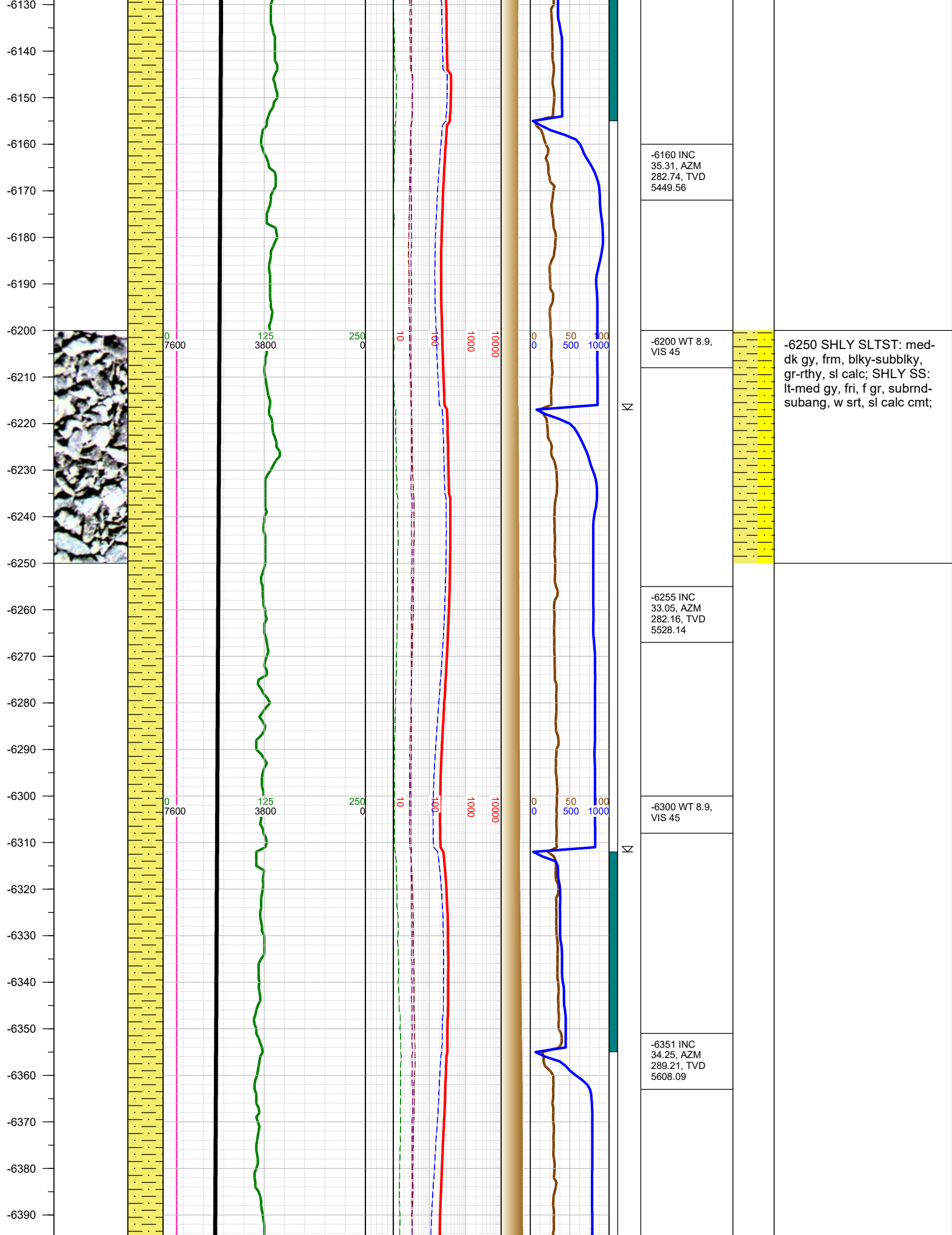
COUNTY: Weld  
STATE: Colorado  
GROUND ELEVATION: 4647'  
KELLY BUSHING: 4676'  
DRILLING FLUID: OBM  
TVD VS. MD: 7026' / 20580'  
SPUD DATE: June 22, 2018  
TD DATE: June 25, 2018  
  
DEPTHS LOGGED: 6000' - 20580'  
DATES LOGGED: June 22, 2018 - June 25, 2018  
GEOLOGISTS: Blake Eatherton, Dan Jacobs  
SCALE: 5" = 100'

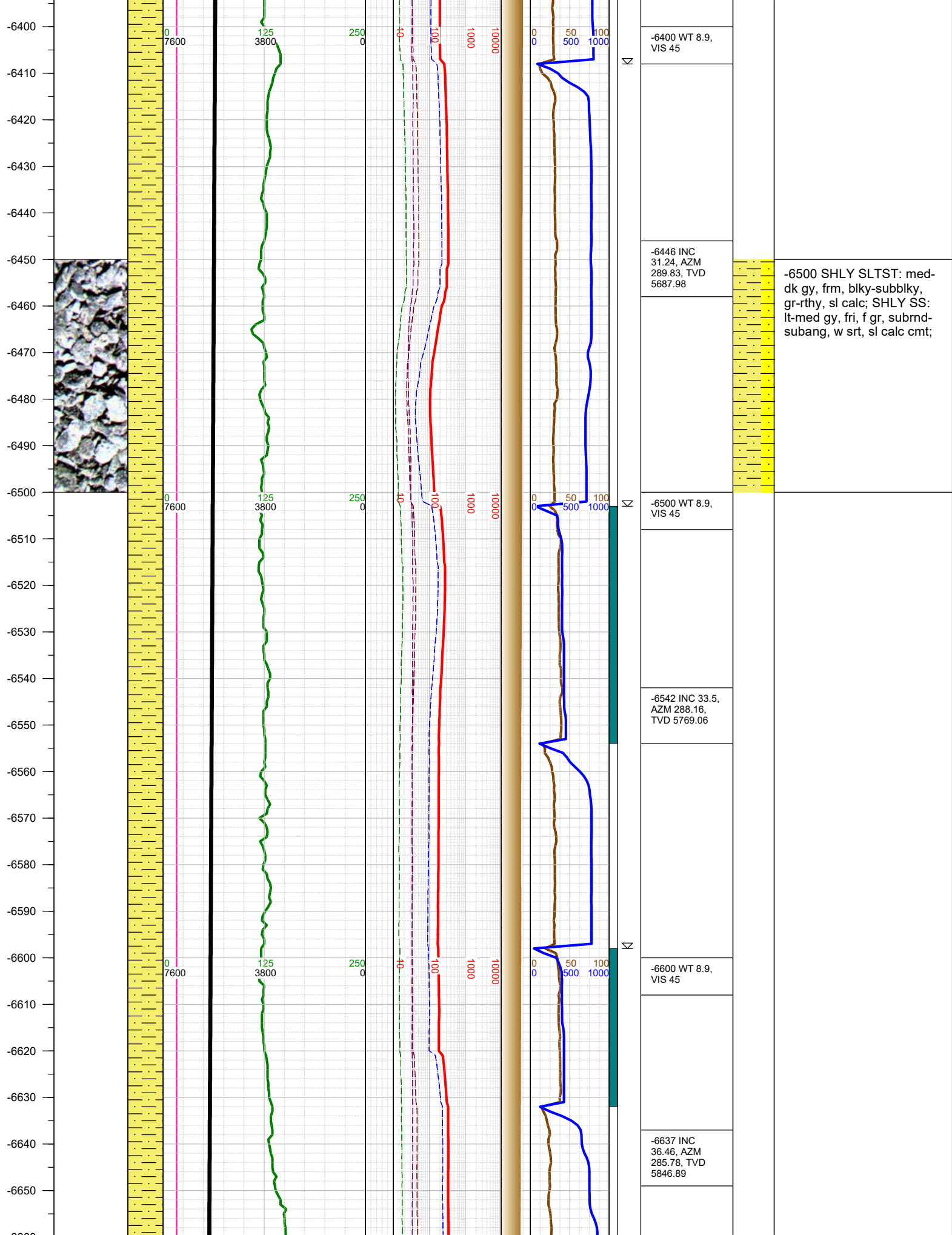
#### LEGEND

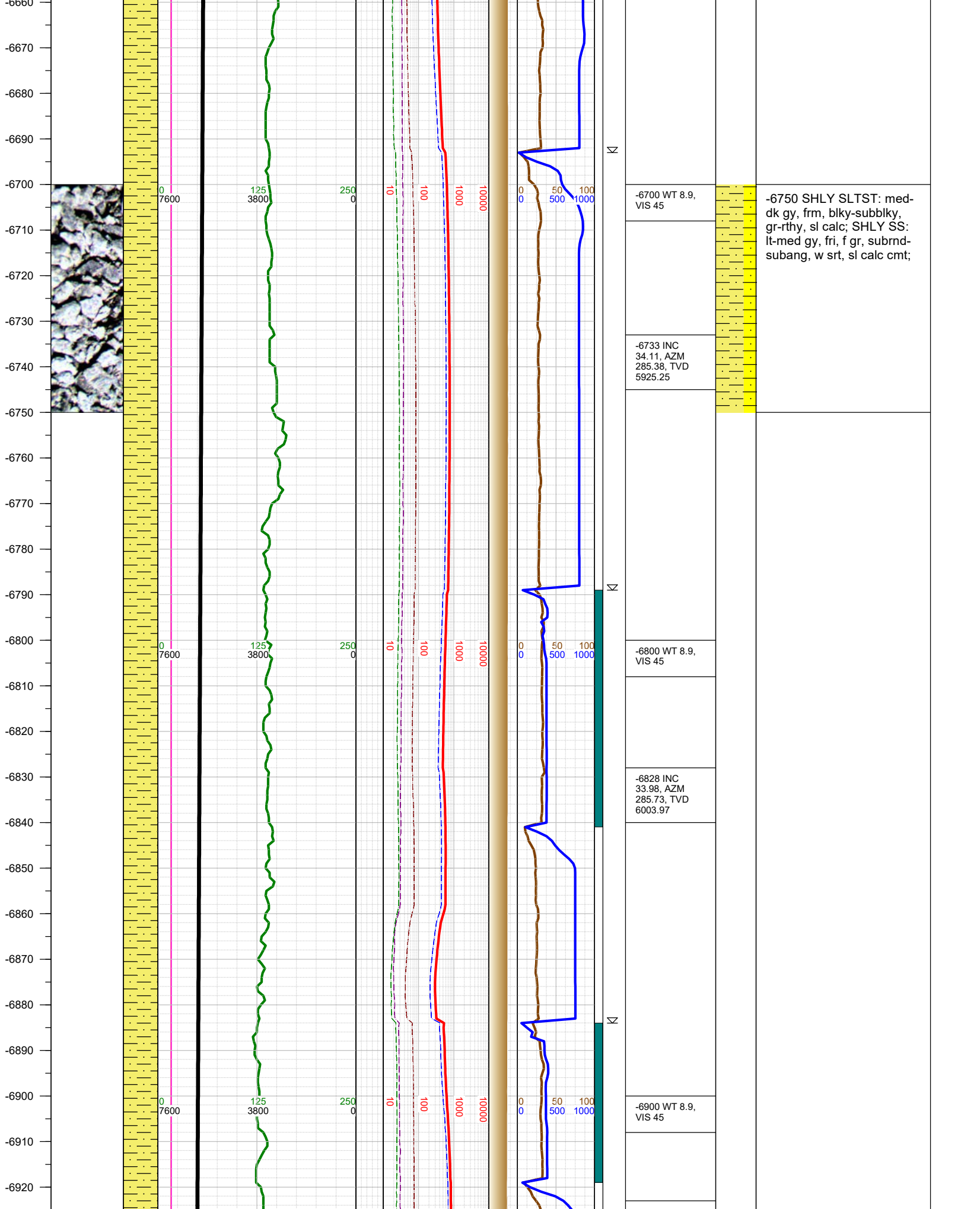


FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

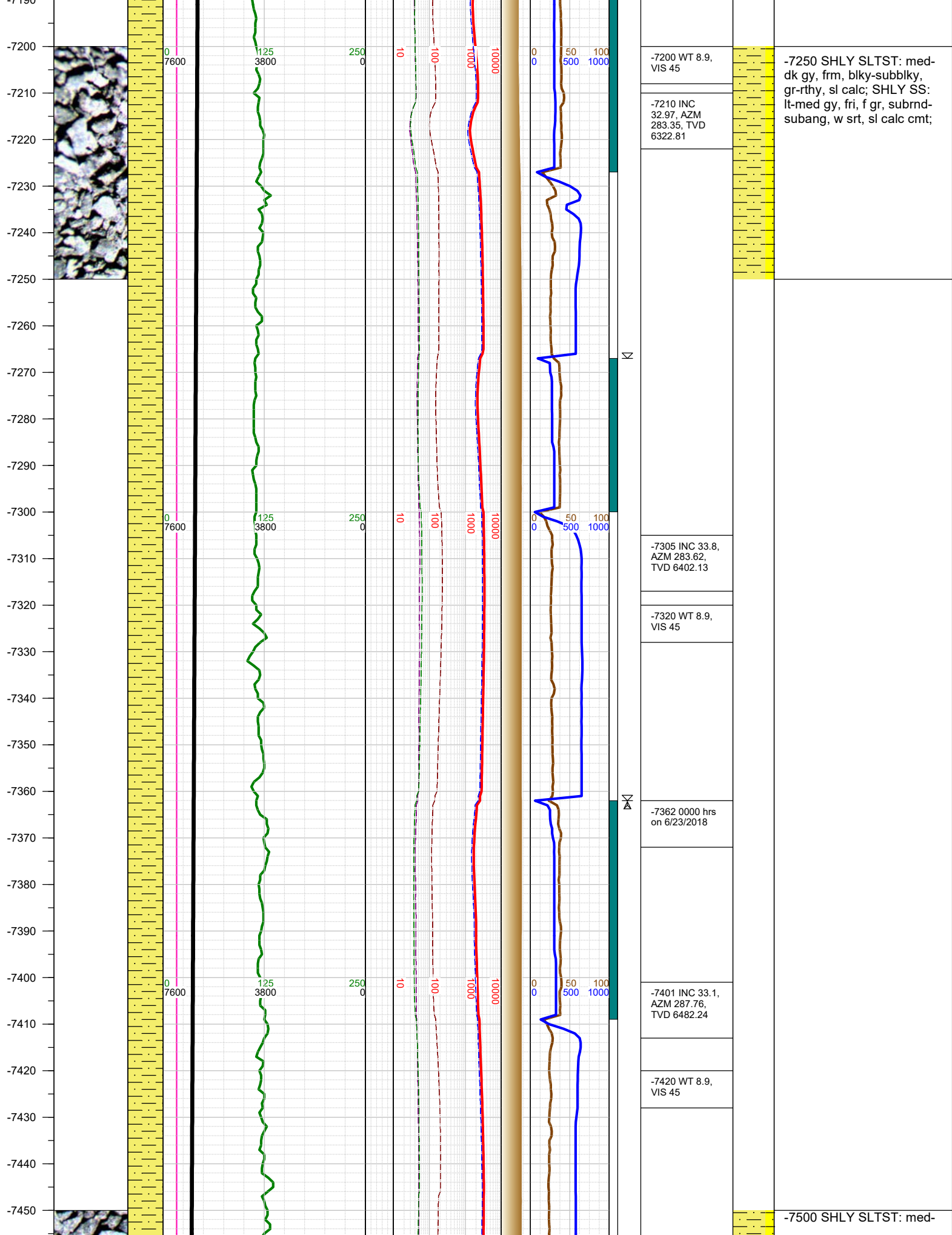


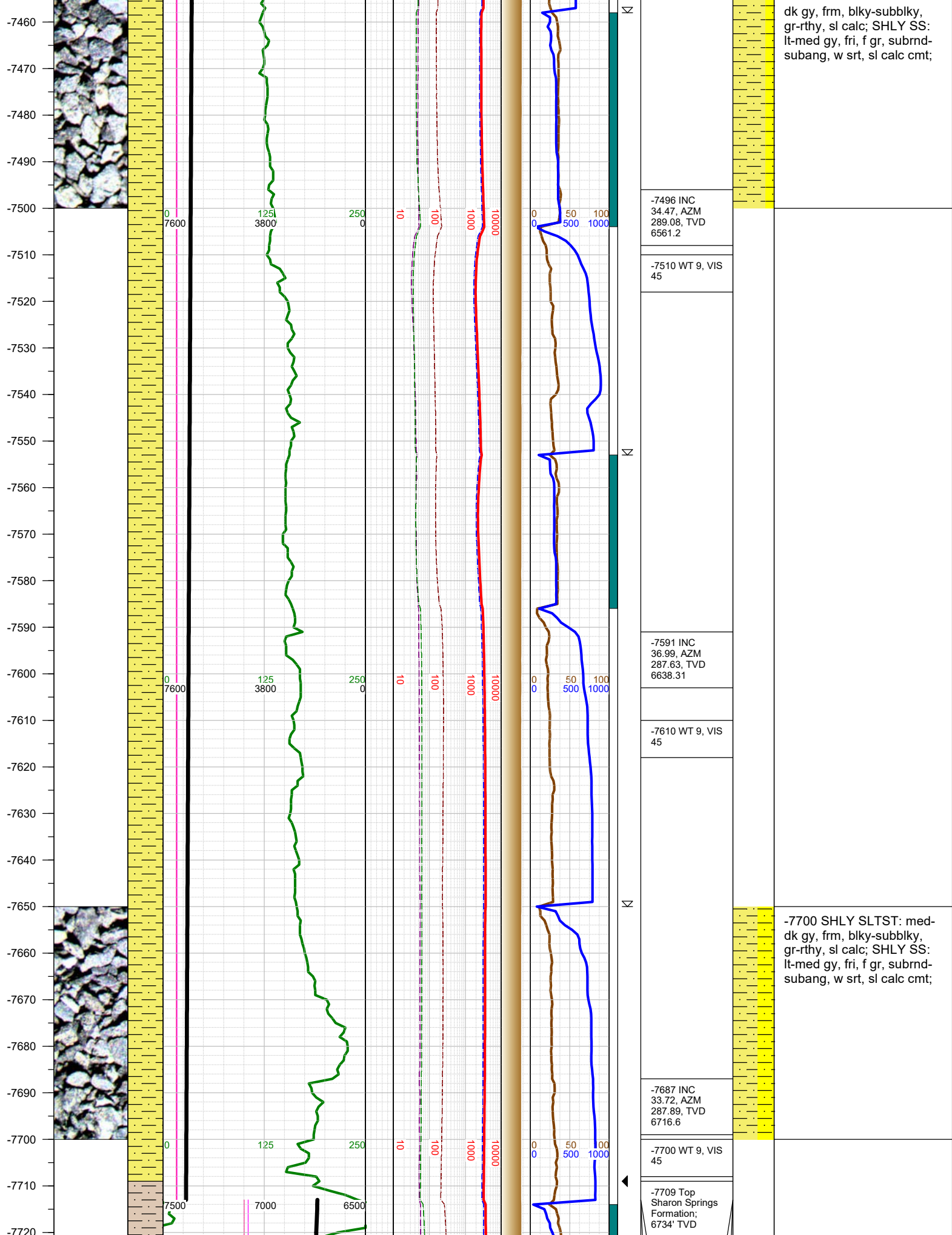


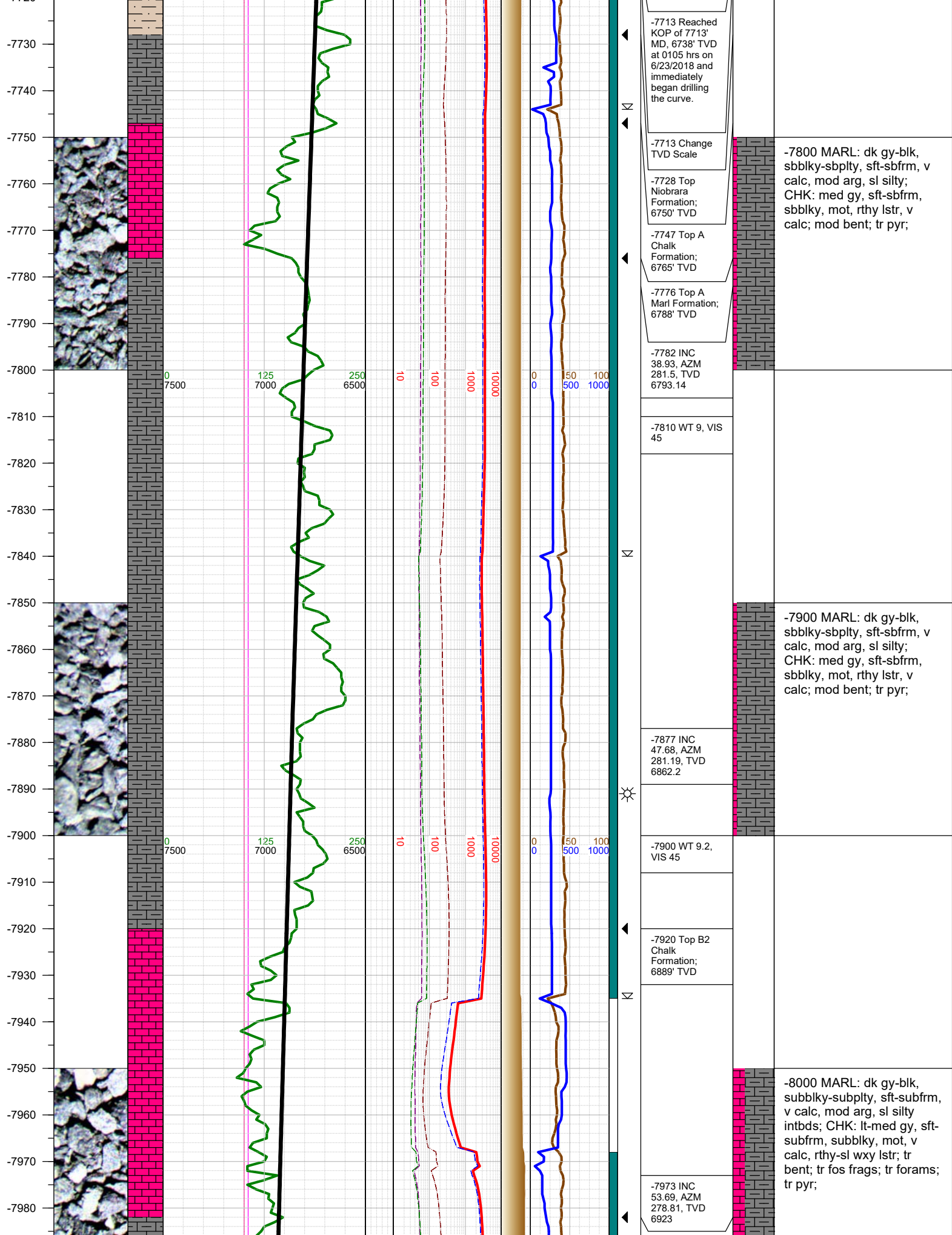


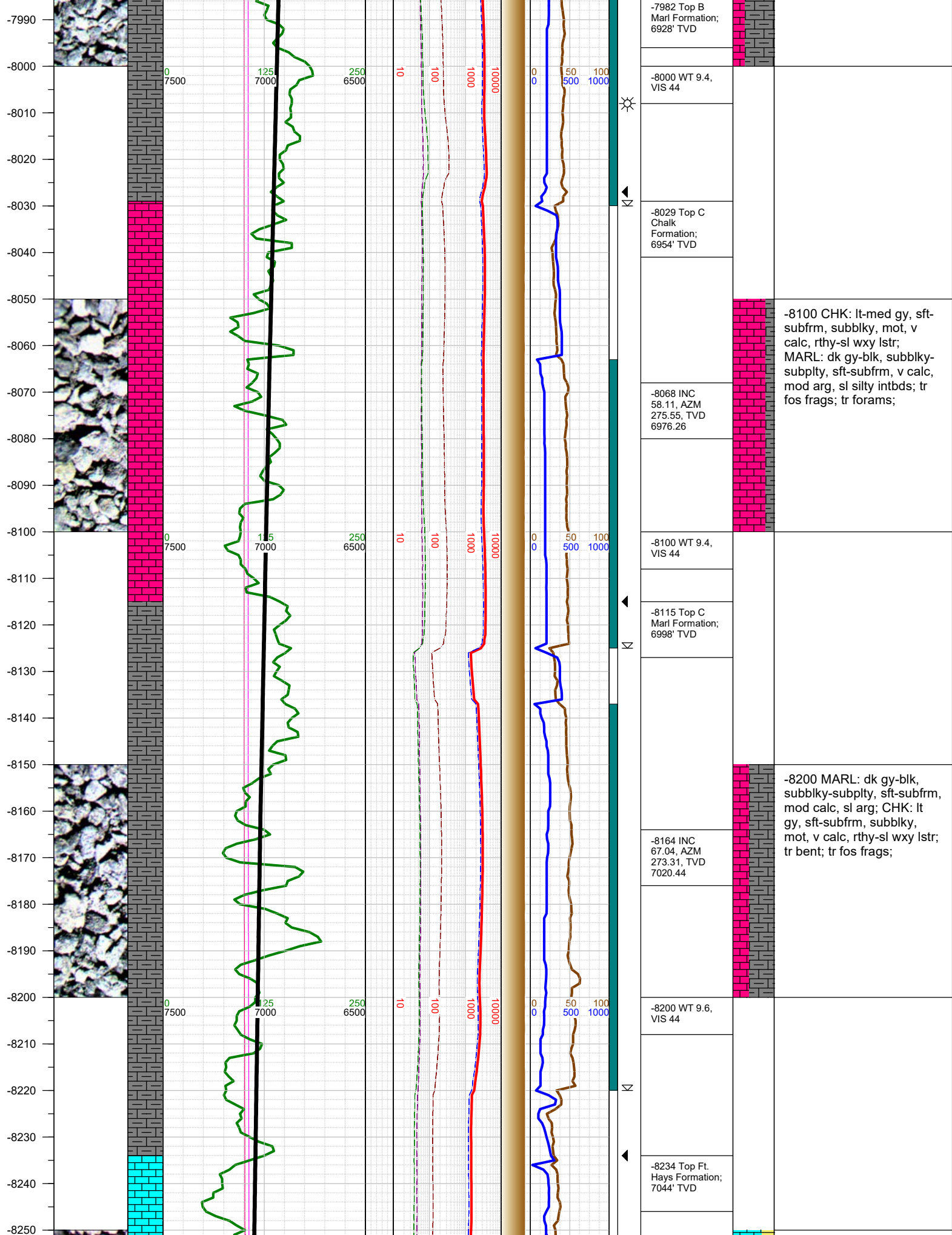


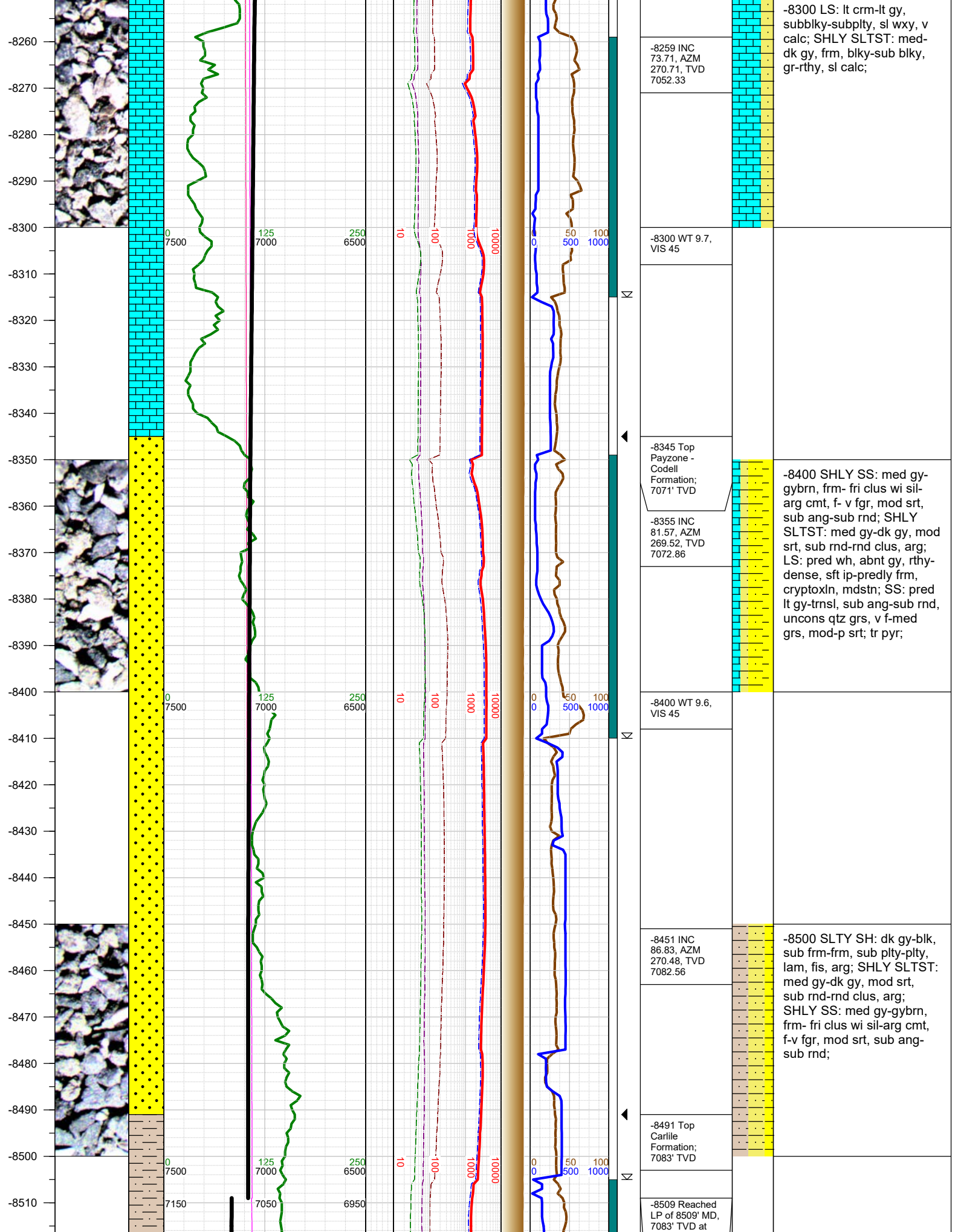


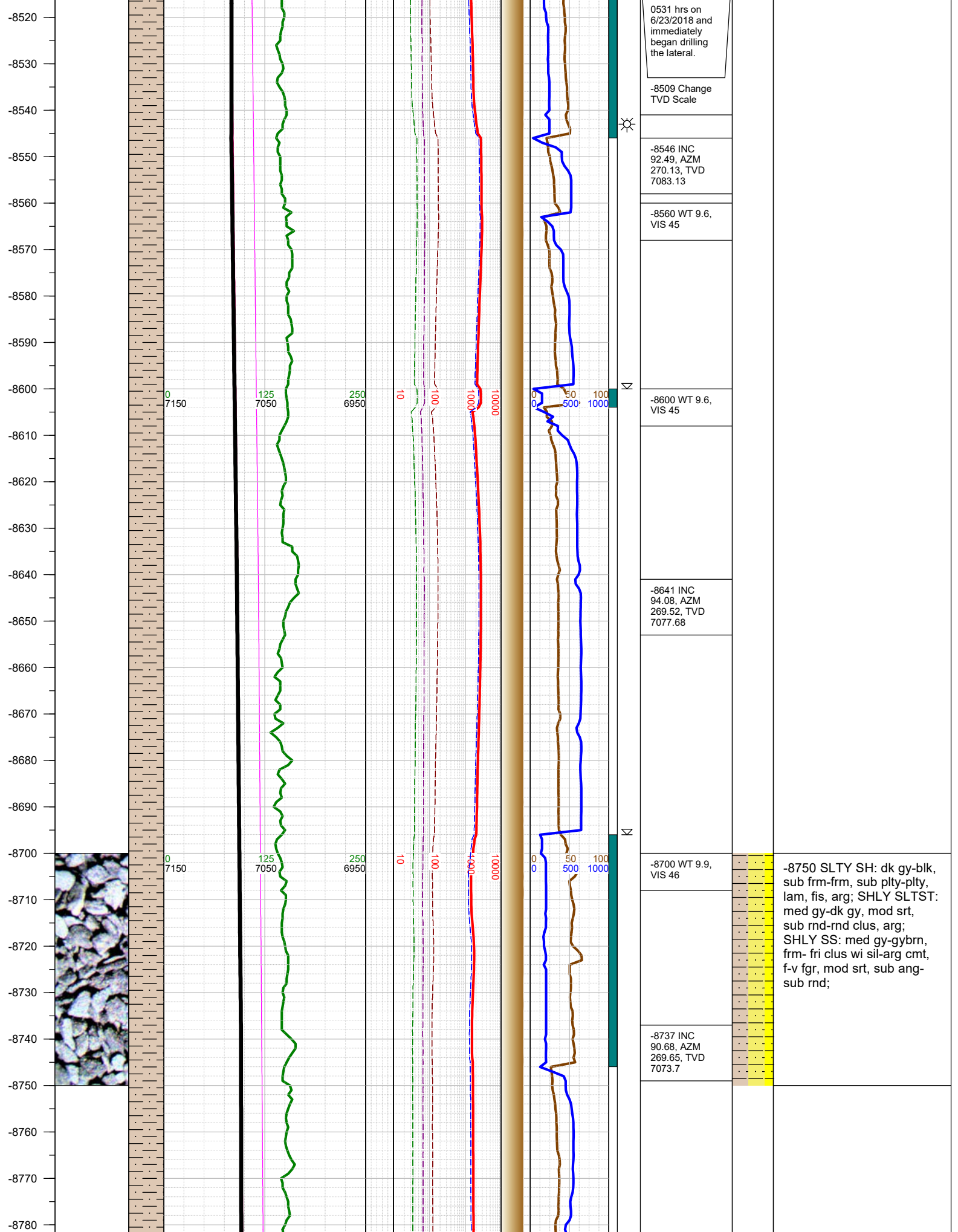


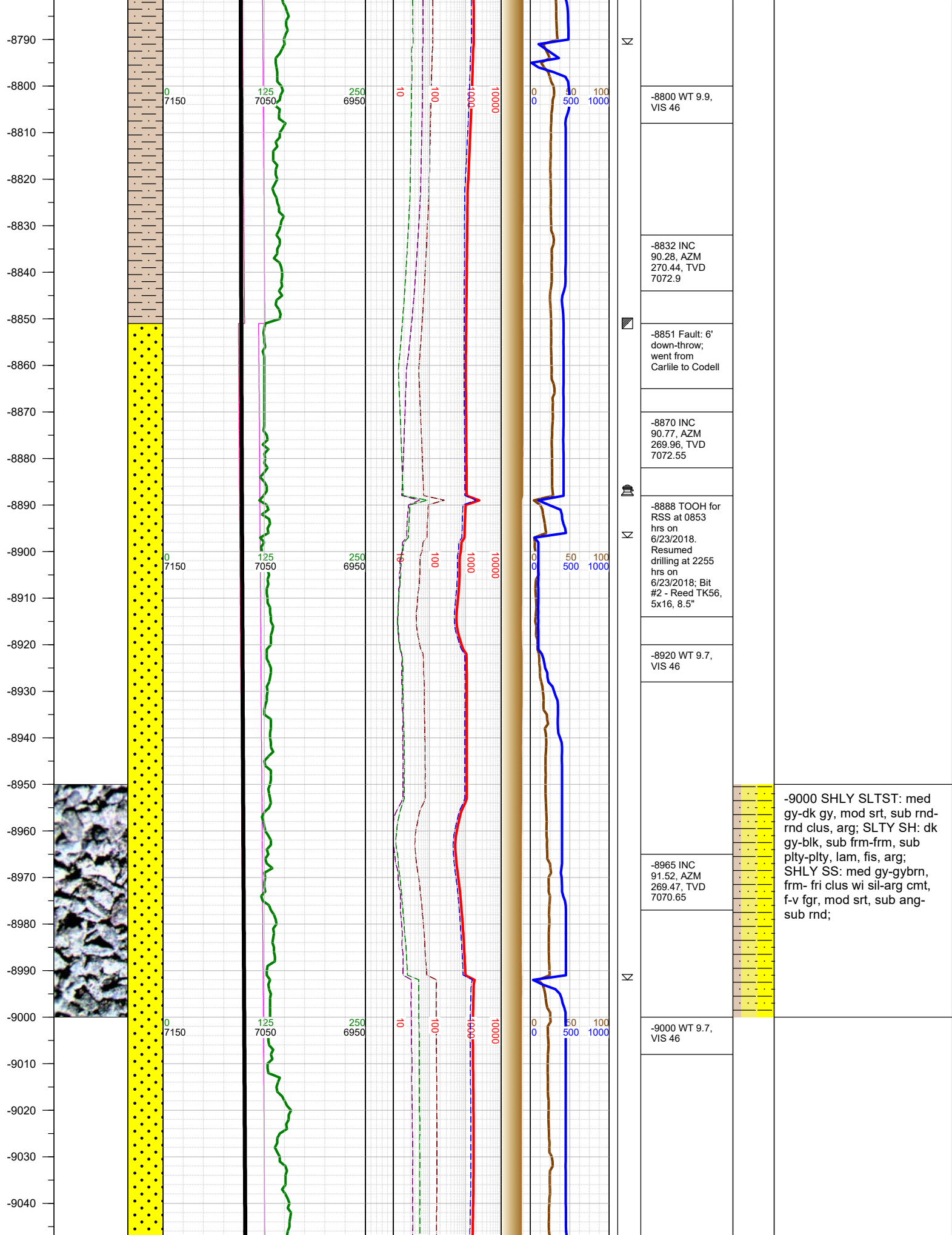


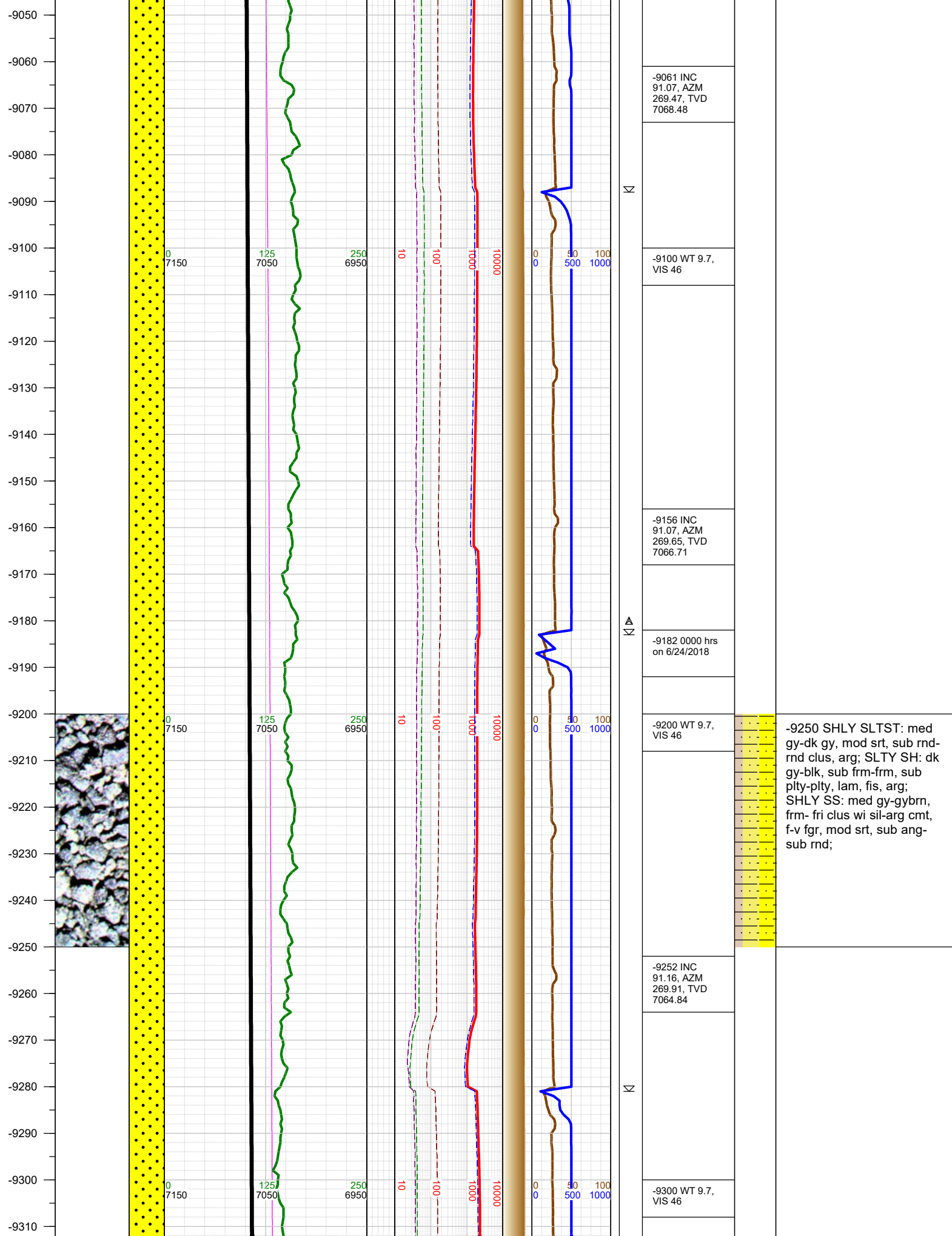


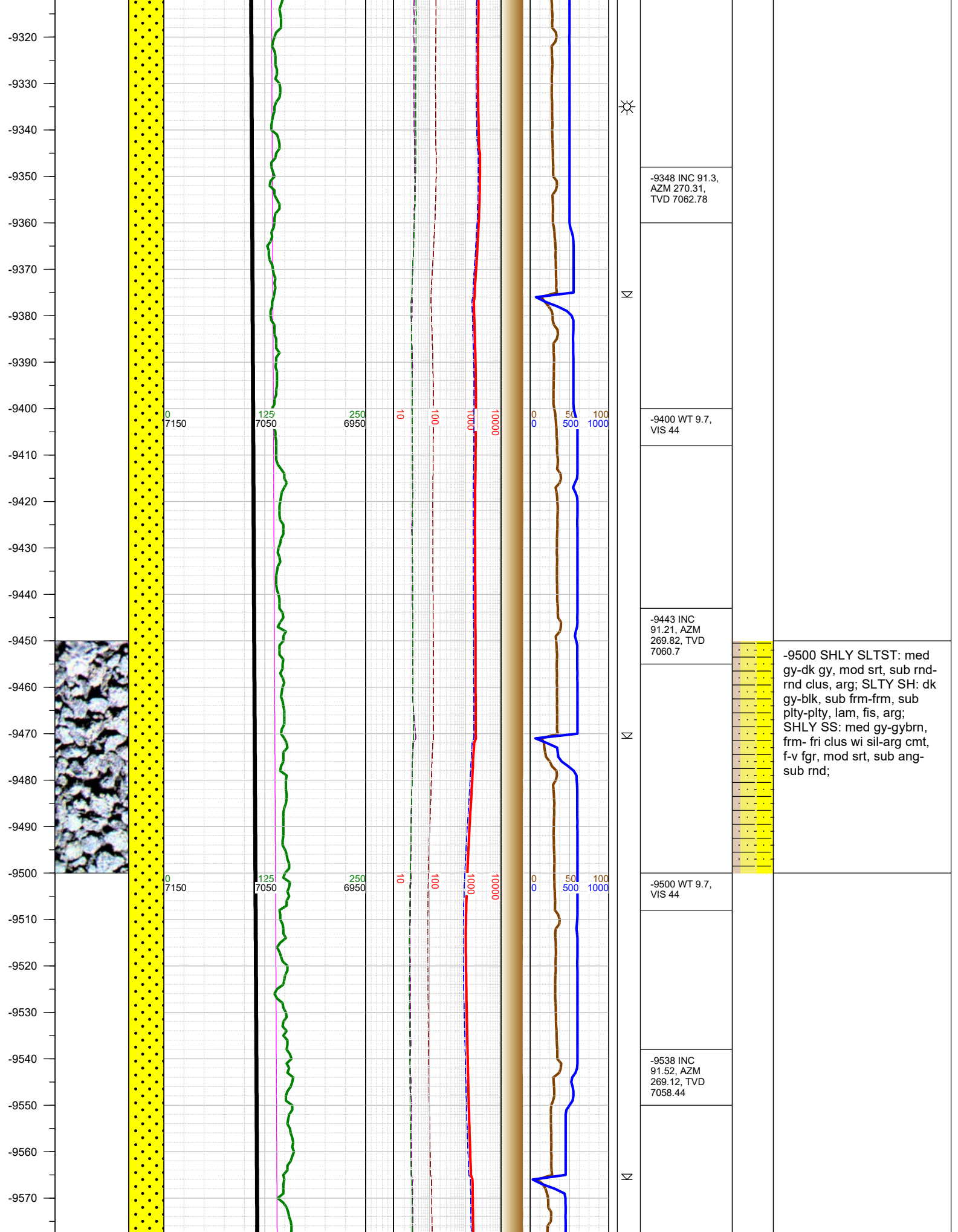


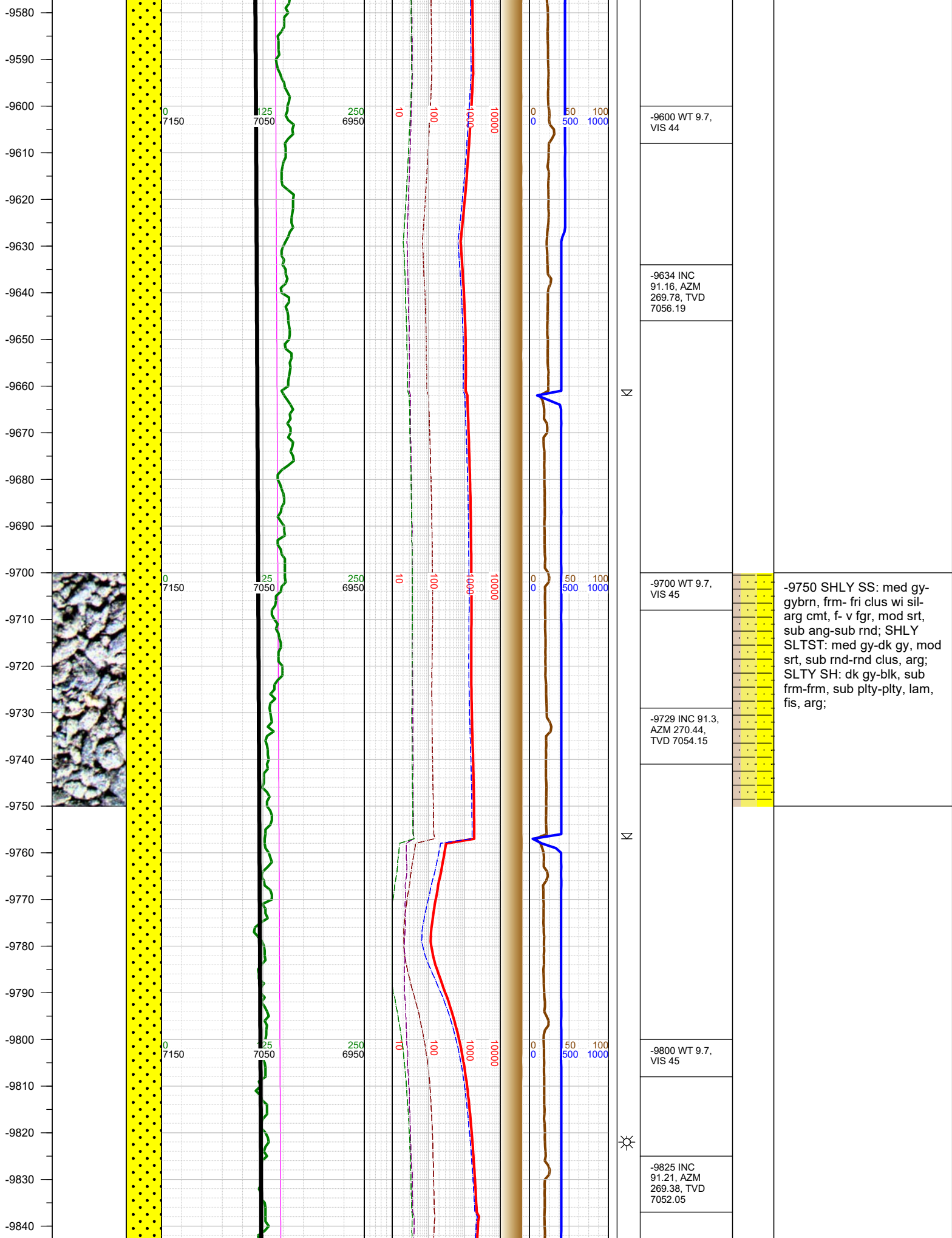


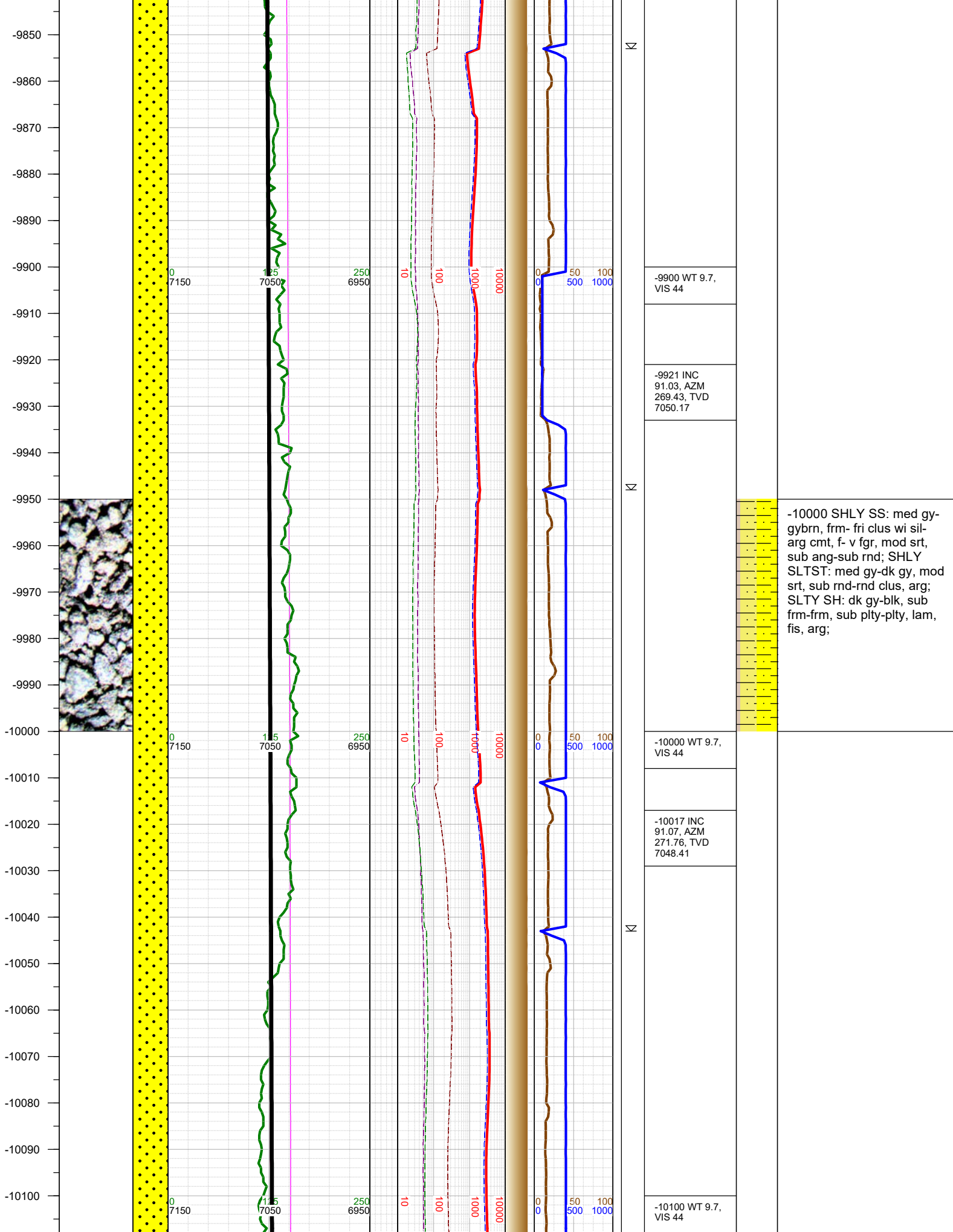


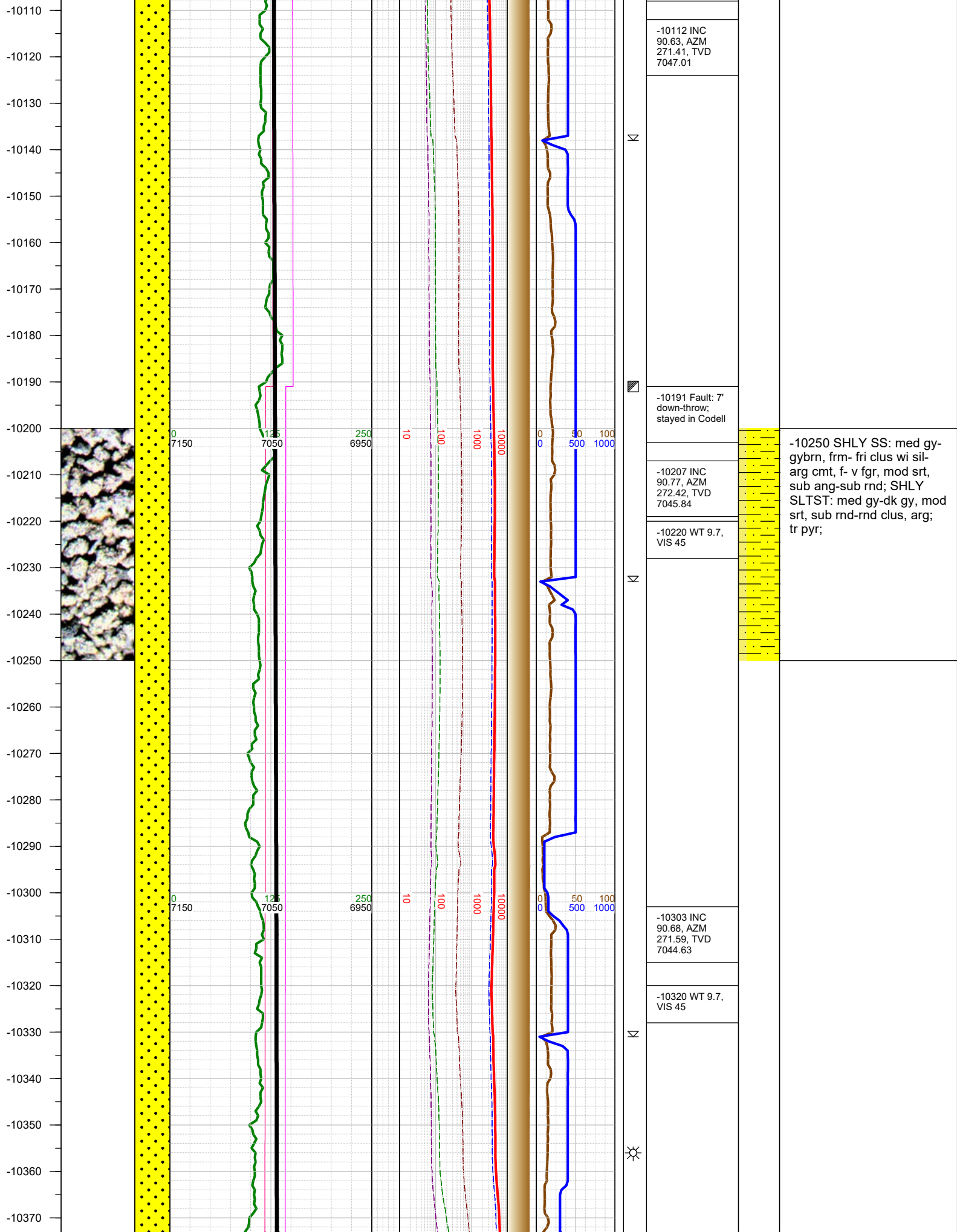


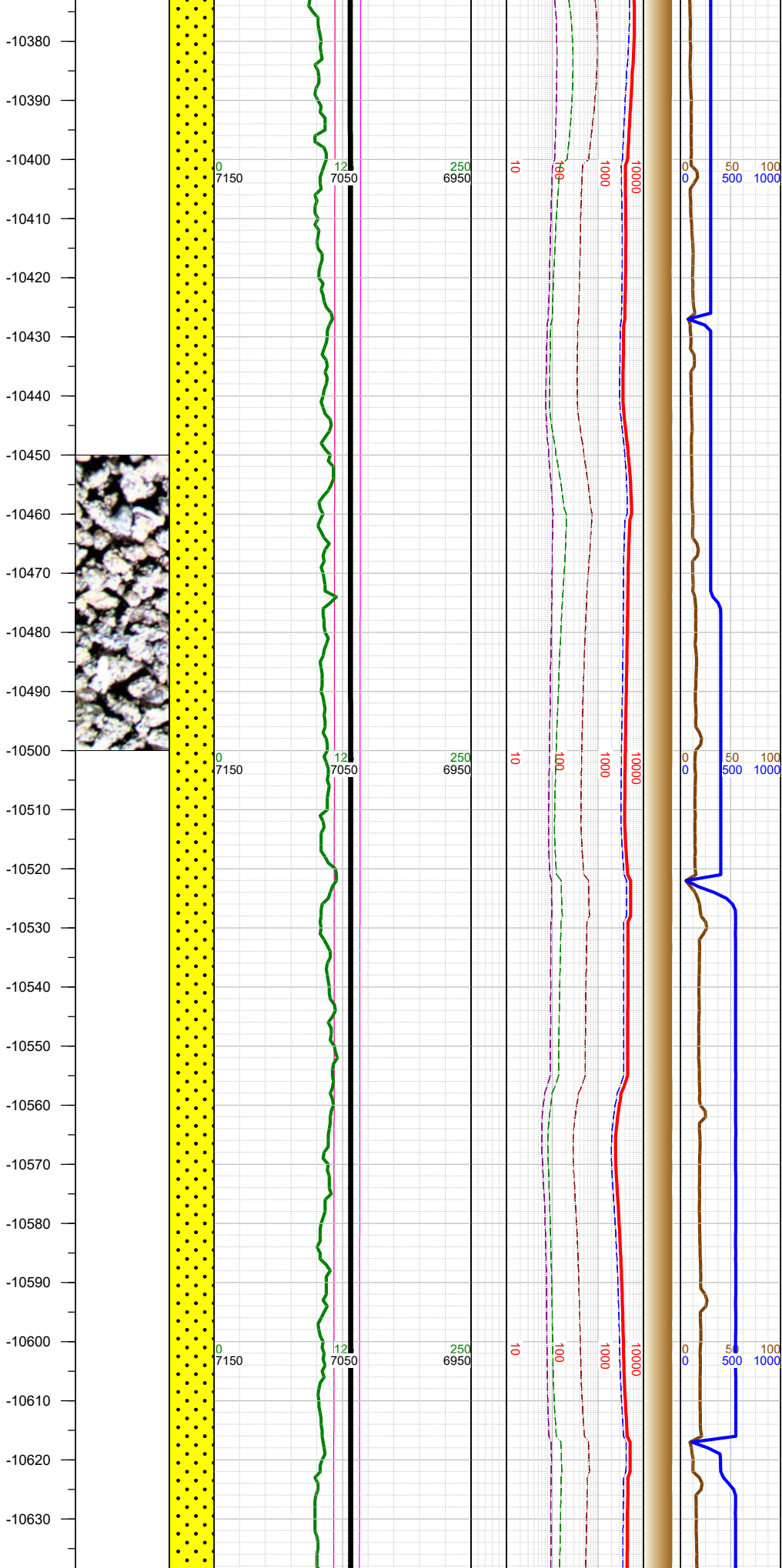




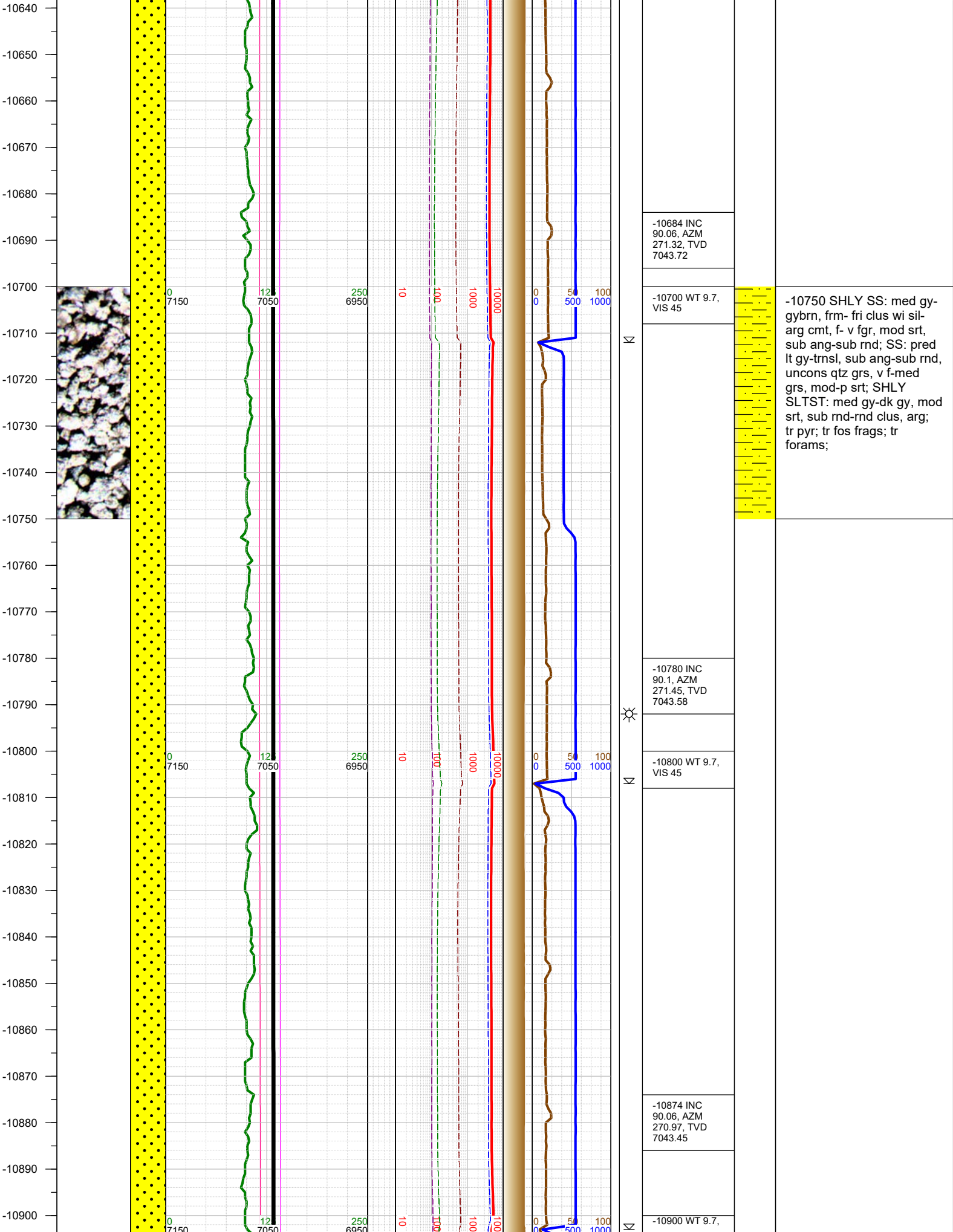


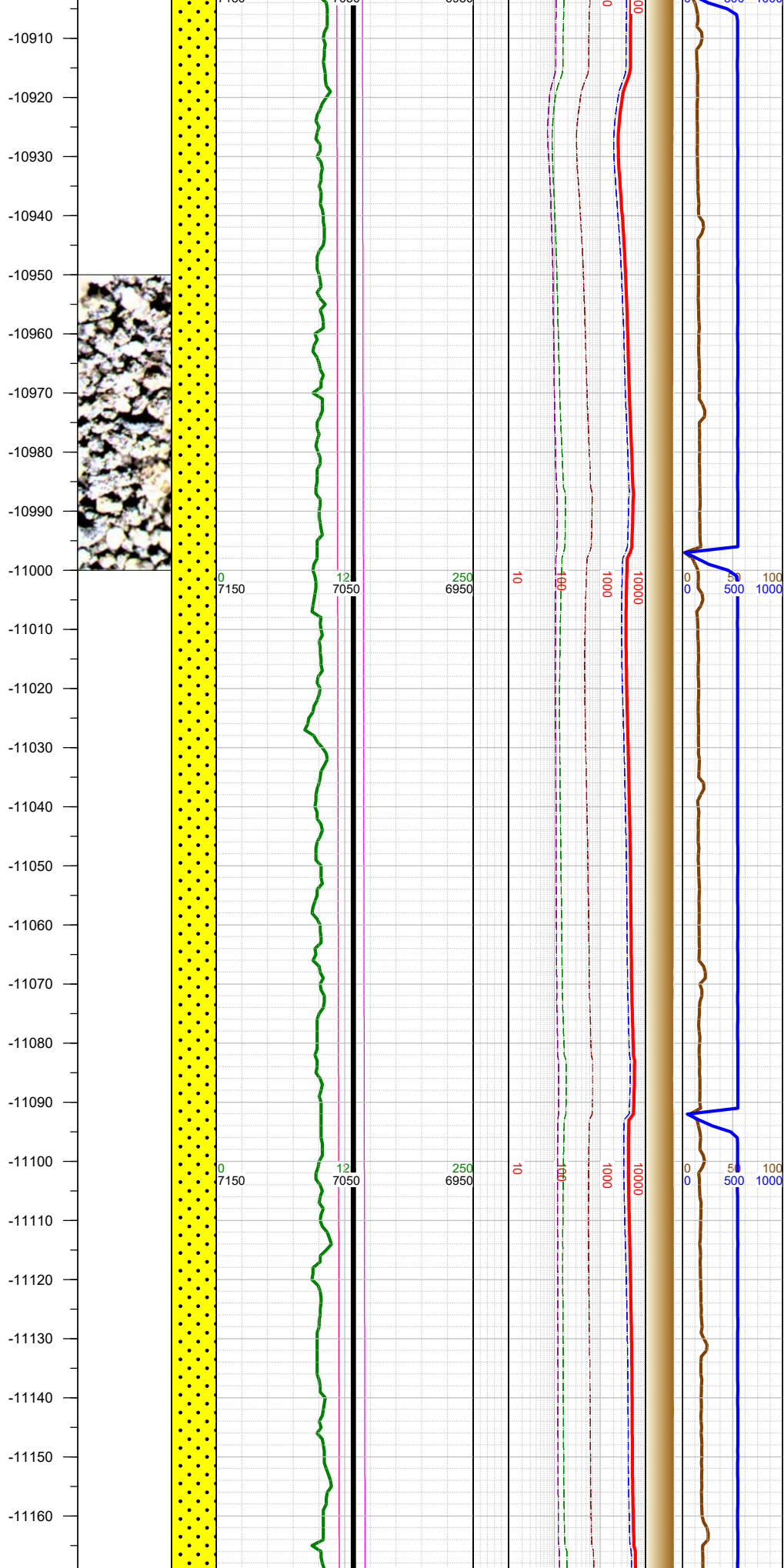




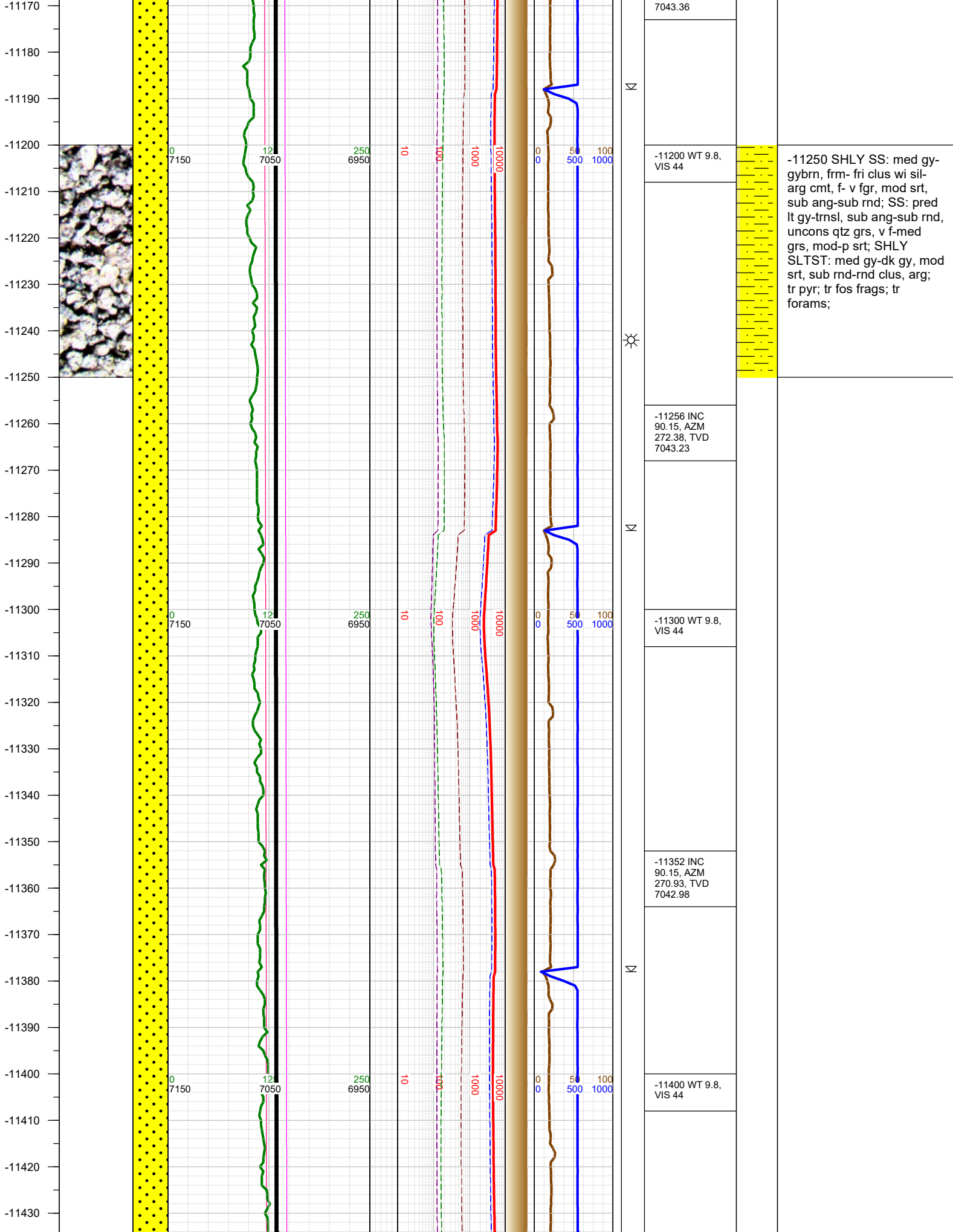


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	-10410 WT 9.7, VIS 45		
N	-10493 INC 90.15, AZM 272.25, TVD 7043.84		-10500 SHLY SS: med gy- gybrn, frm- fri clus wi sil- arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, sub rnd-rnd clus, arg; tr pyr;
	-10510 WT 9.7, VIS 45		
	-10588 INC 89.97, AZM 270.88, TVD 7043.74		
N	-10600 WT 9.7, VIS 45		



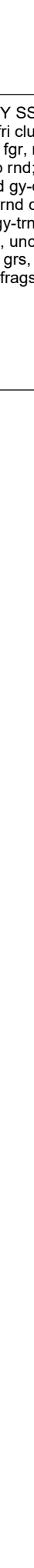
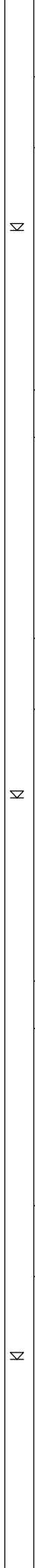
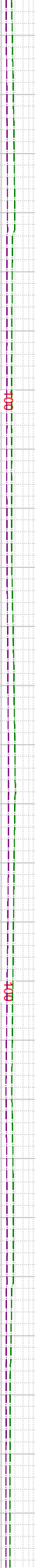
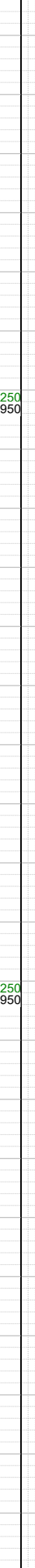
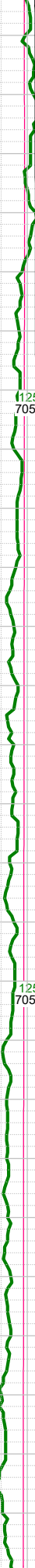
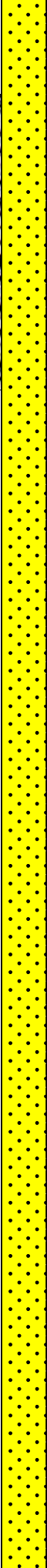
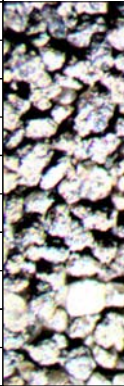


Σ	VIS 45		
	-10970 INC 90.01, AZM 271.01, TVD 7043.39		



-11250 SHLY SS: med gy-gybrn, frm- fri clus wi sil-arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SS: pred lt gy-trnsl, sub ang-sub rnd, unconsl qtz grs, v f-med grs, mod-p srt; SHLY SLTST: med gy-dk gy, mod srt, sub rnd-rnd clus, arg; tr pyr; tr fos frags; tr forams;

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-11690



-11447 INC  
90.5, AZM  
272.03, TVD  
7042.44

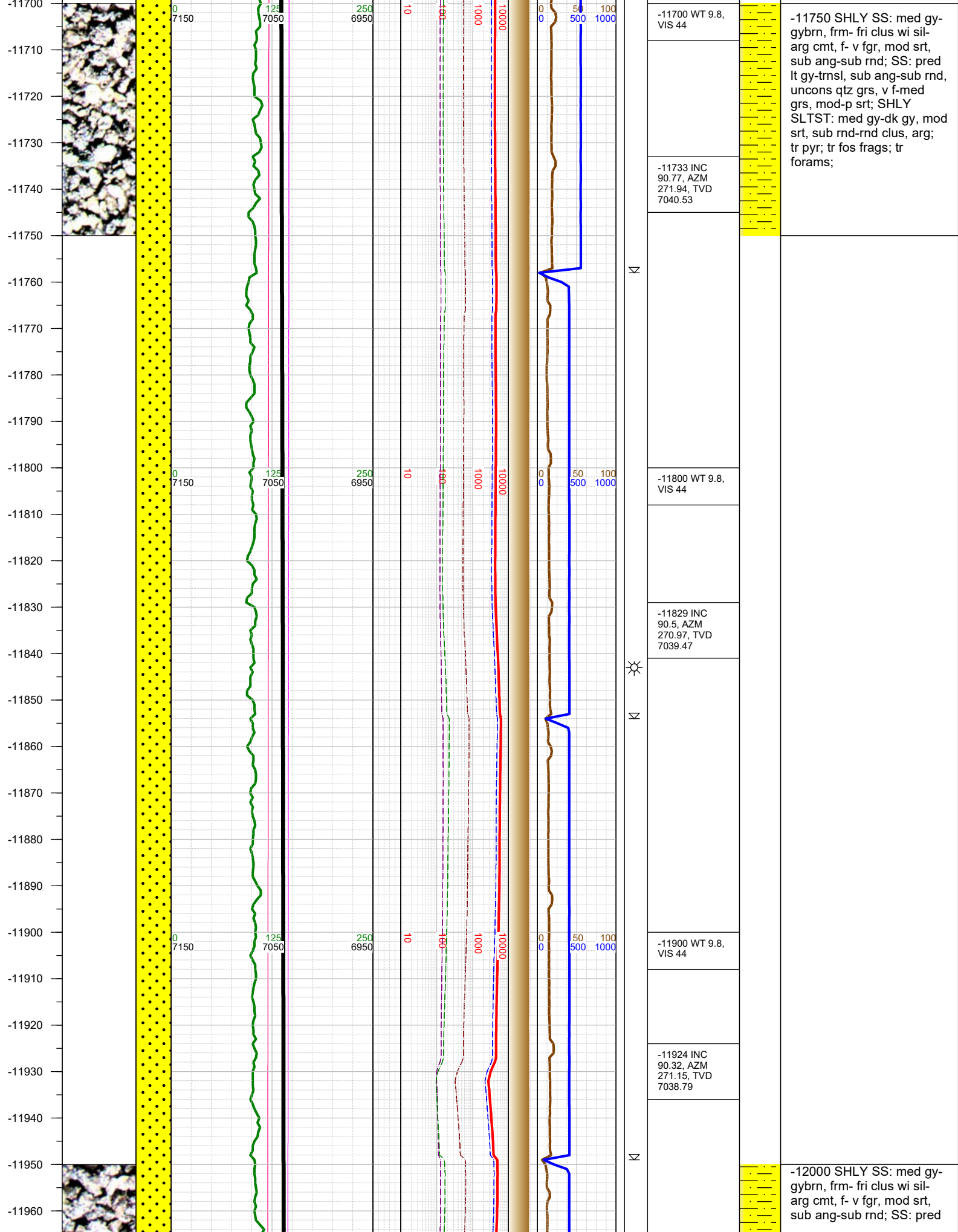
-11500 WT 9.8,  
VIS 44

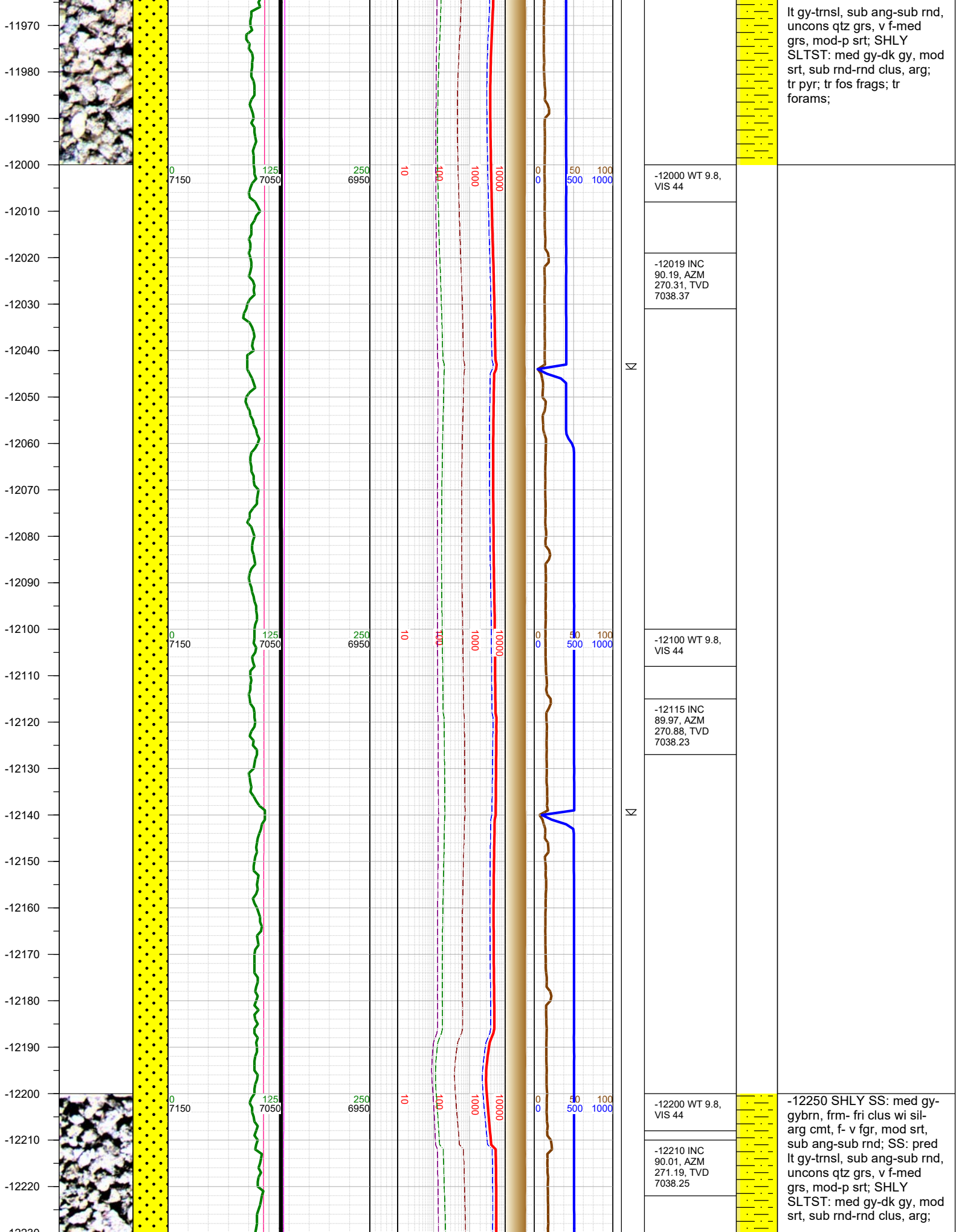
-11542 INC  
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271.28, TVD  
7041.79

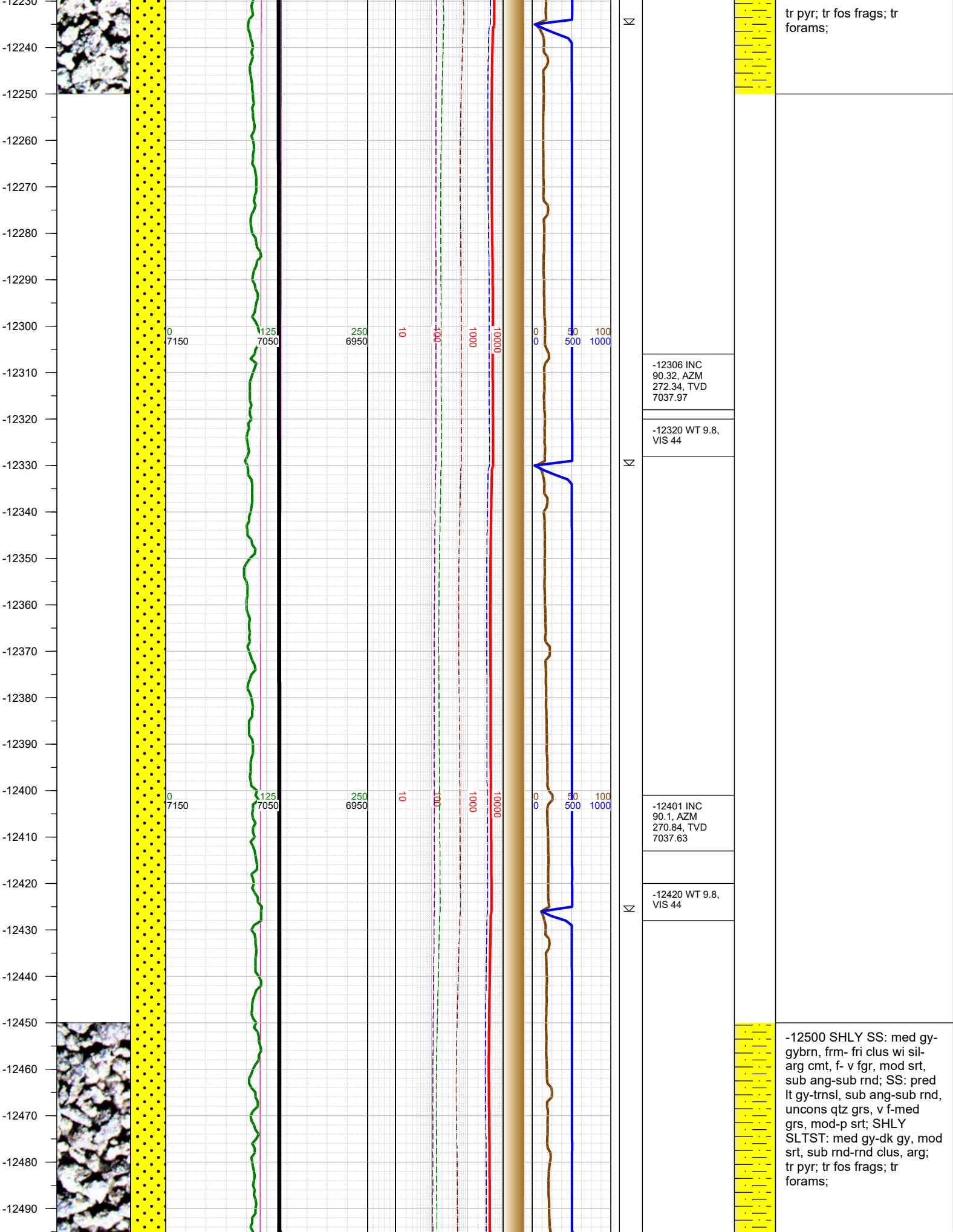
-11600 WT 9.8,  
VIS 44

-11638 INC  
90.23, AZM  
271.01, TVD  
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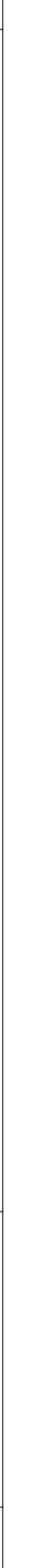
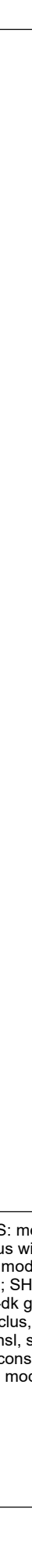
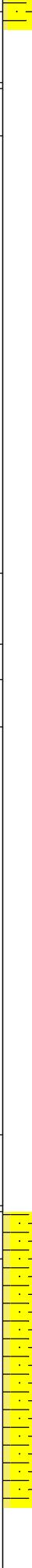
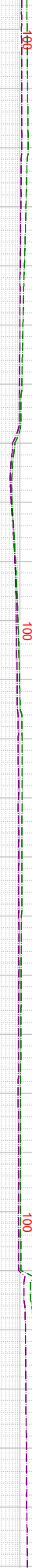
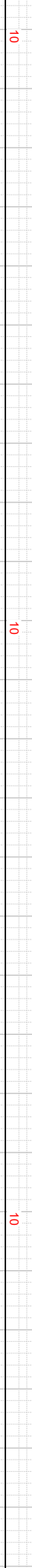
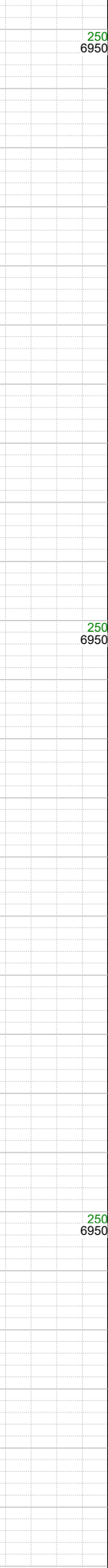
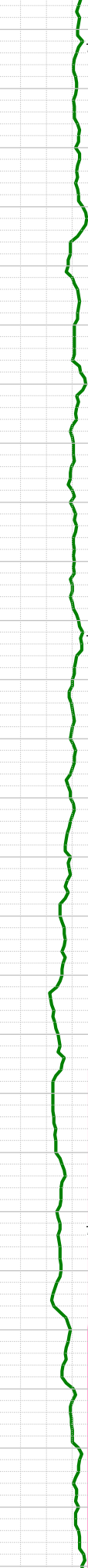
-11500 SHLY SS: med gy-  
gybrn, frm- fri clus wi sil-  
arg cmt, f- v fgr, mod srt,  
sub ang-sub rnd; SHLY  
SLTST: med gy-dk gy, mod  
srt, sub rnd-rnd clus, arg;  
SS: pred lt gy-trnsl, sub  
ang-sub rnd, uncons qtz  
grs, v f-med grs, mod-p srt;  
tr pyr; tr fos frags; tr  
forams;







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-12760



-12497 INC  
89.93, AZM  
270.88, TVD  
7037.6

-12510 WT 9.8,  
VIS 44

-12592 INC  
89.7, AZM  
271.06, TVD  
7037.91

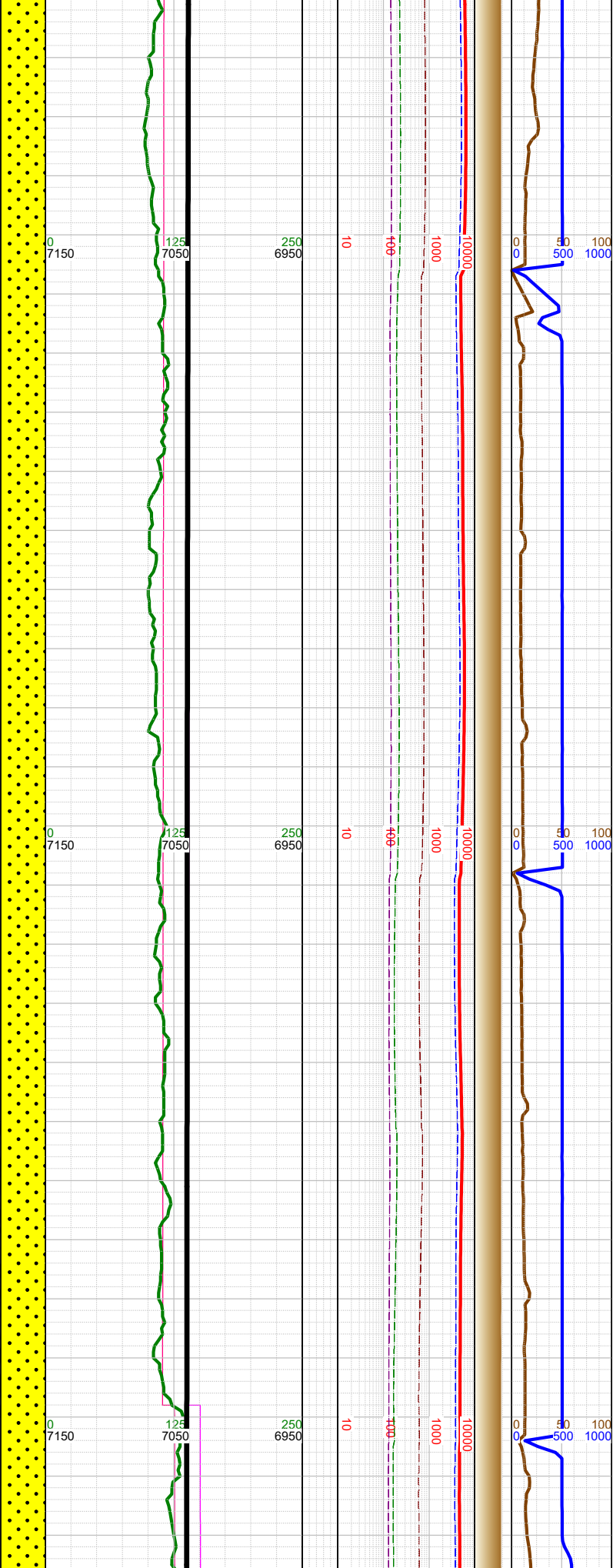
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VIS 46

-12687 INC  
89.79, AZM  
270.44, TVD  
7038.33

-12700 WT 9.9,  
VIS 46

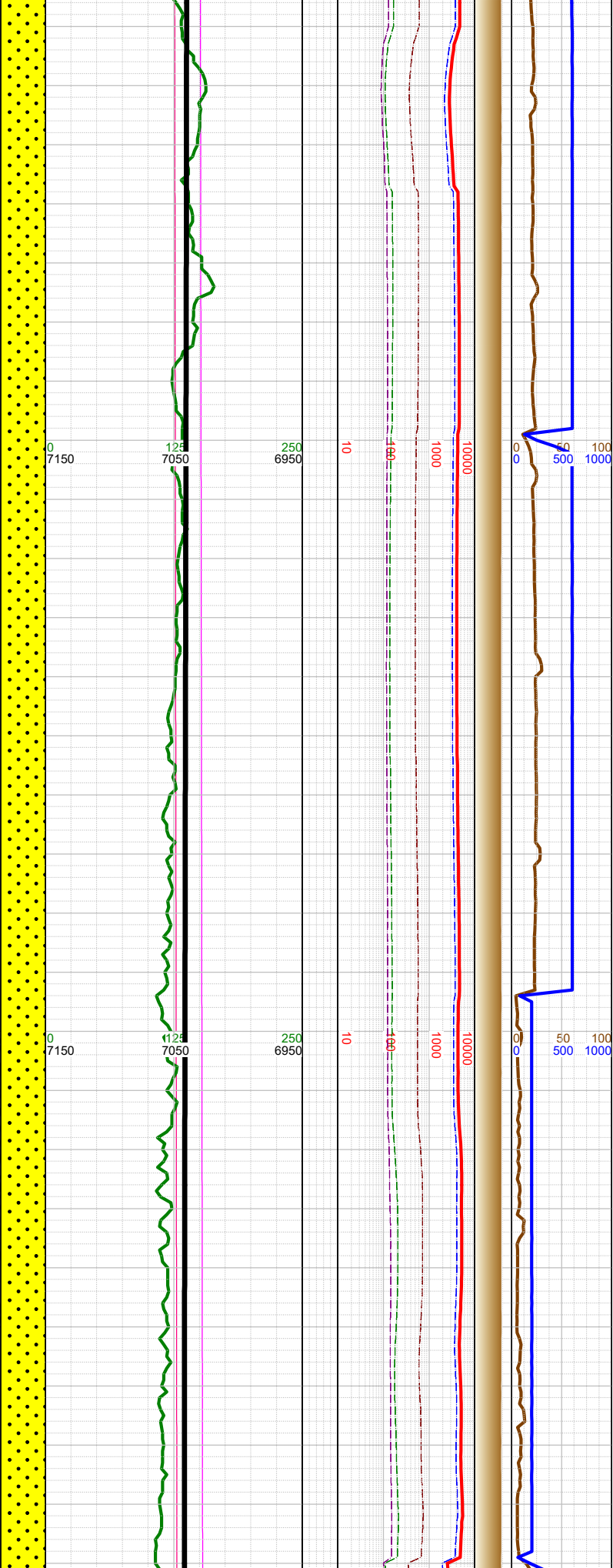
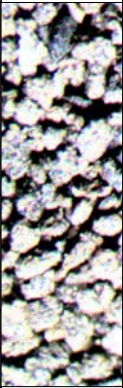
-12750 SHLY SS: med gy-  
gybrn, frm- fri clus wi sil-  
arg cmt, f- v fgr, mod srt,  
sub ang-sub rnd; SHLY  
SLTST: med gy-dk gy, mod  
srt, sub rnd-rnd clus, arg;  
SS: pred lt gy-trnsl, sub  
ang-sub rnd, uncons qtz  
grs, v f-med grs, mod-p srt;  
tr pyr; tr forams;

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-13000  
-13010  
-13020



☀	-12783 INC 89.44, AZM 271.28, TVD 7038.98	
	-12800 WT 9.9, VIS 46	
⚡		
☀	-12879 INC 89.79, AZM 272.2, TVD 7039.62	
	-12900 WT 9.9, VIS 46	
⚡		
		-13000 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, sub rnd-rnd clus, arg; SS: pred lt gy-trnsl, sub ang-sub rnd, uncons qtz grs, v f-med grs, mod-p srt; tr pyr; tr forams;
☑	-12974 INC 89.88, AZM 272.47, TVD 7039.89	
⚡	-12998 Fault: 9' up-throw; stayed in Codell	
	-13010 WT 9.9, VIS 47	

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-13070 INC  
89.53, AZM  
272.86, TVD  
7040.39

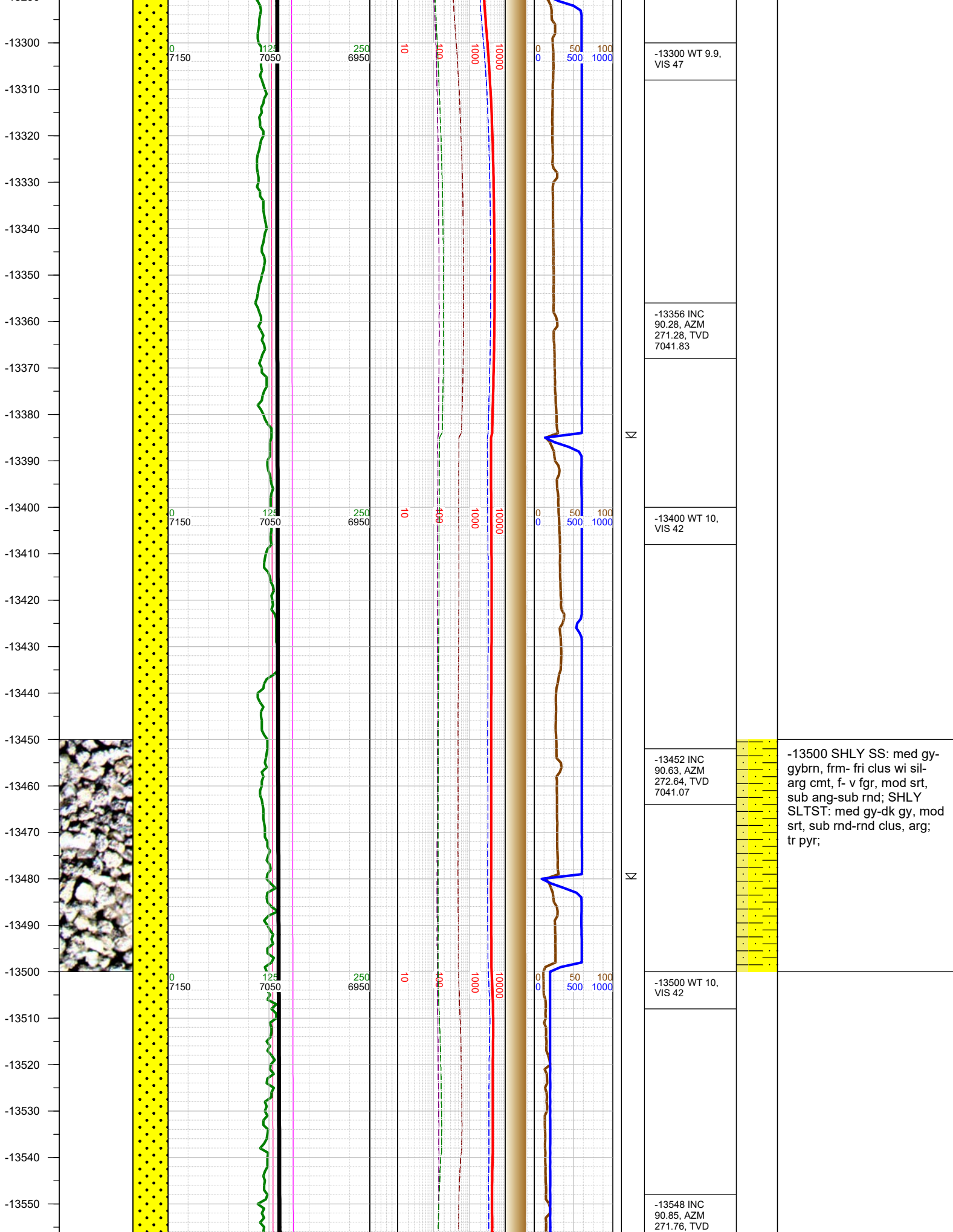
-13100 WT 9.9,  
VIS 47

-13166 INC  
89.48, AZM  
271.9, TVD  
7041.22

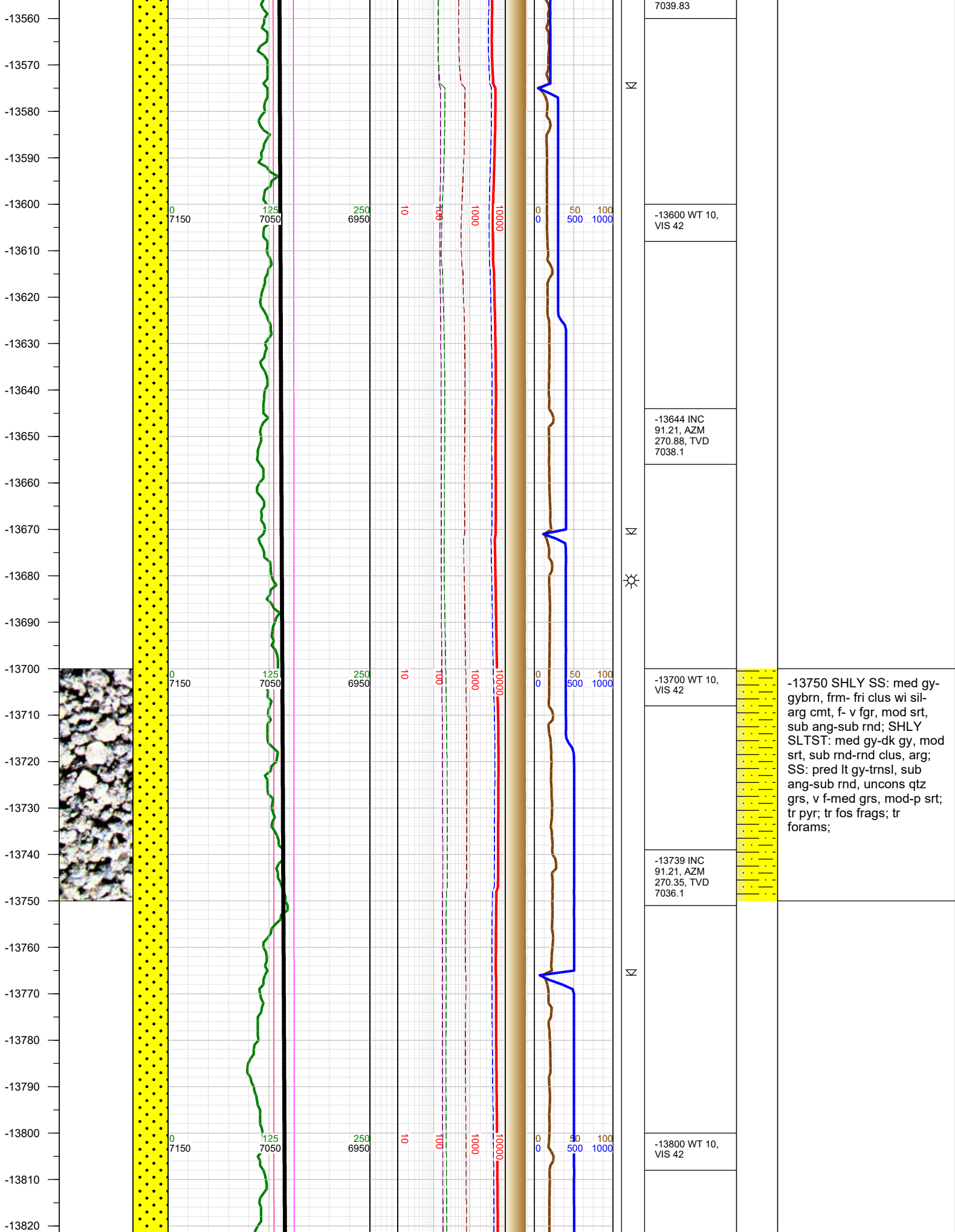
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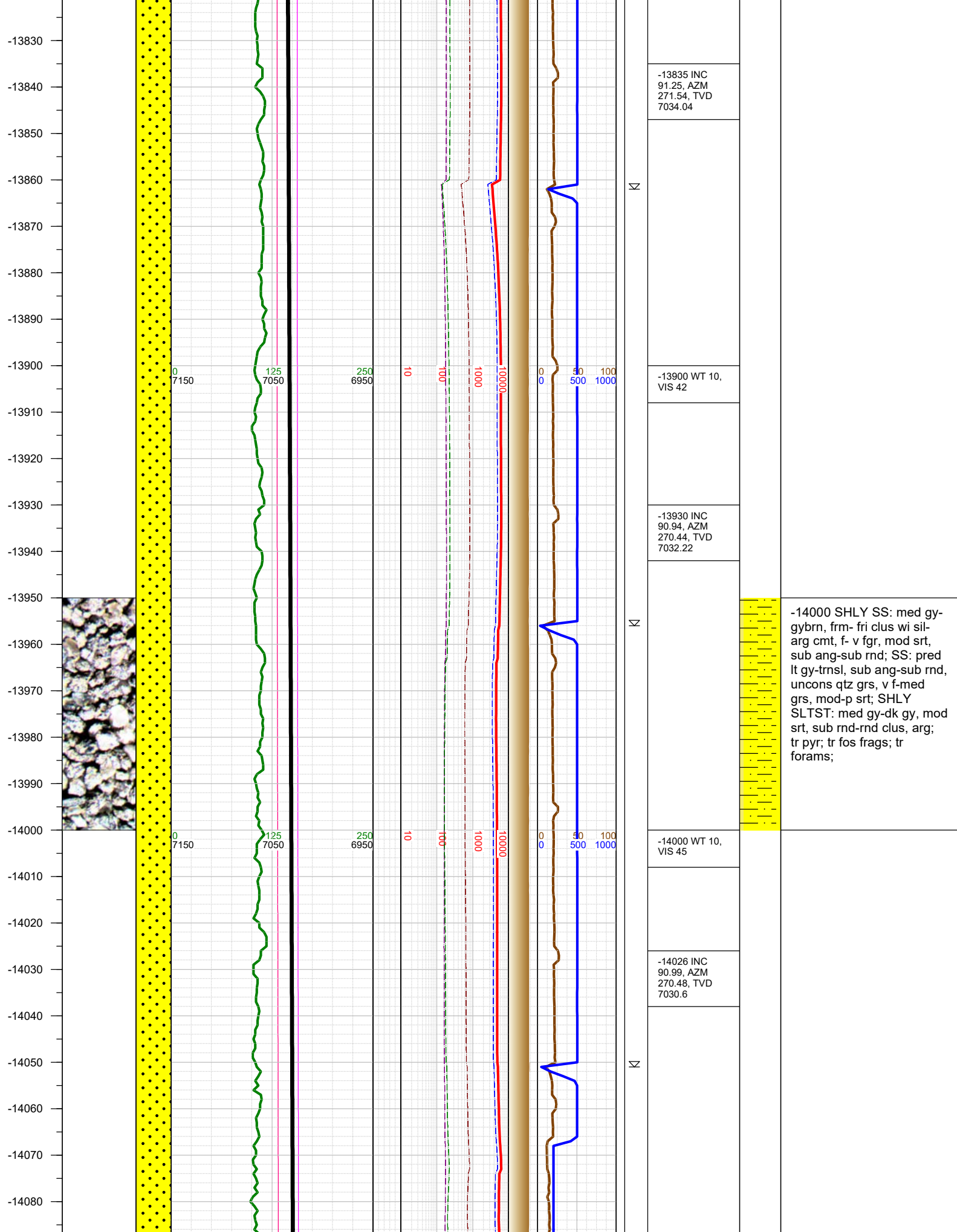
-13261 INC  
89.75, AZM  
271.23, TVD  
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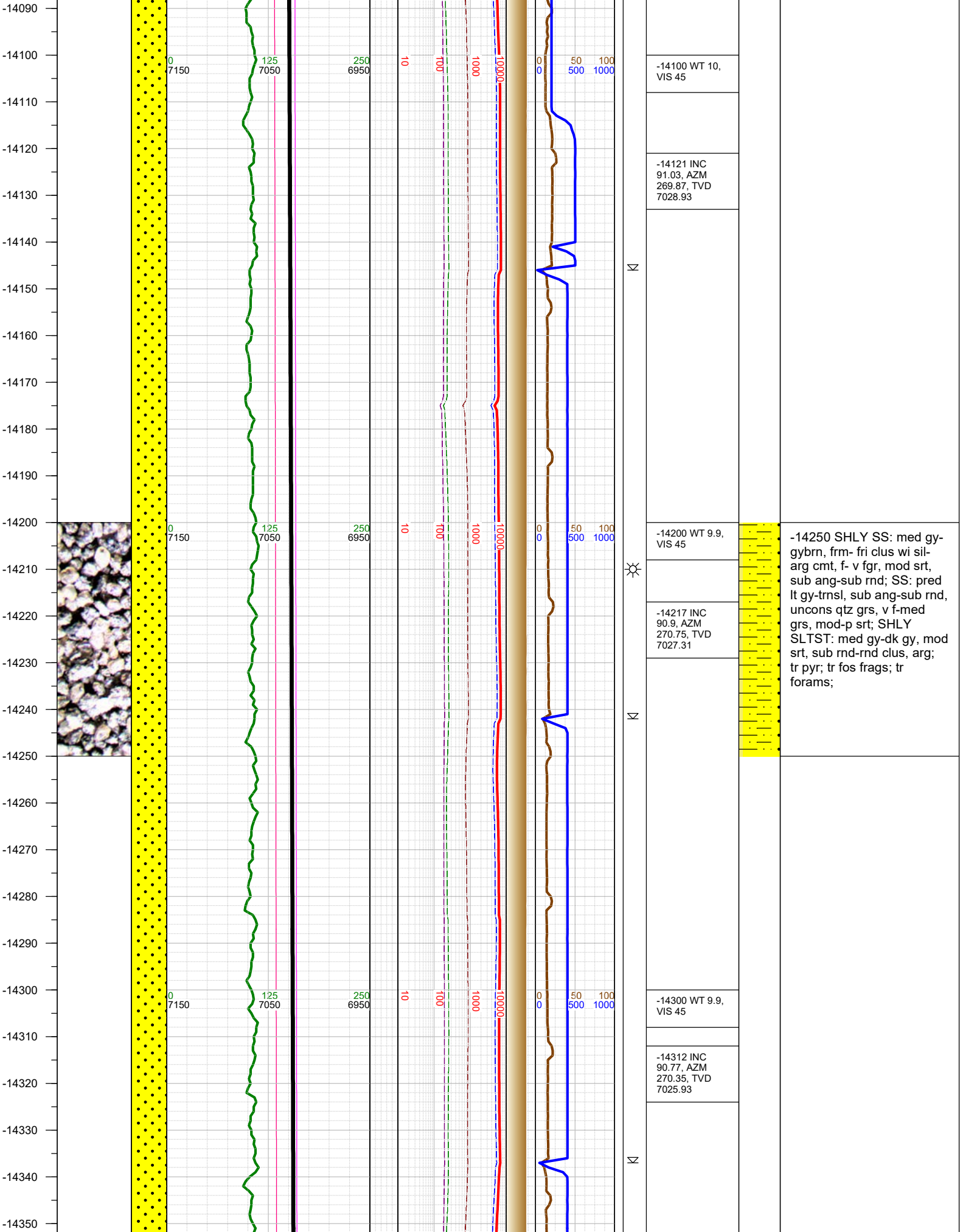
-13250 SHLY SS: med gy-  
gybrn, frm- fri clus wi sil-  
arg cmt, f- v fgr, mod srt,  
sub ang-sub rnd; SHLY  
SLTST: med gy-dk gy, mod  
srt, sub rnd-rnd clus, arg;  
tr pyr;

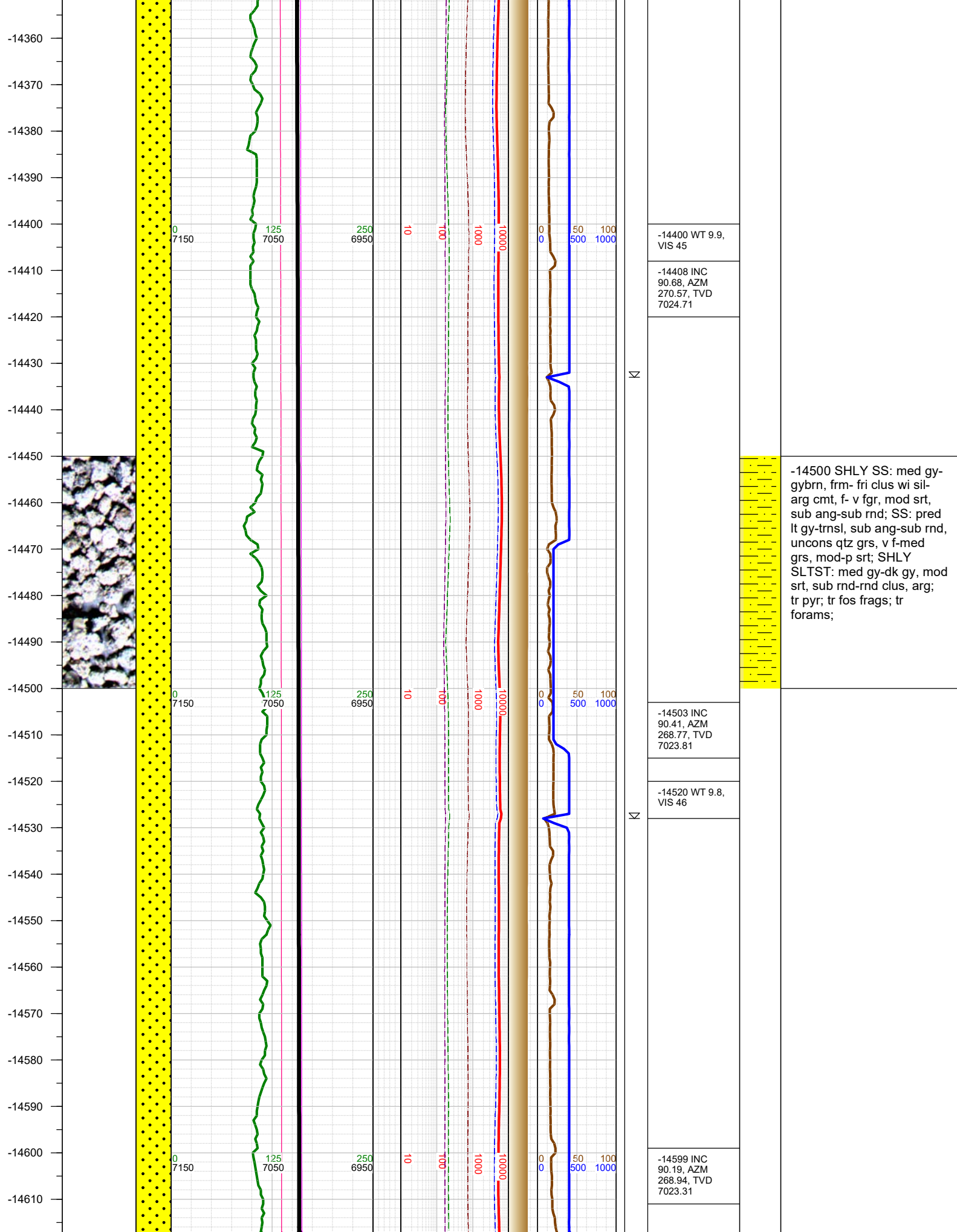


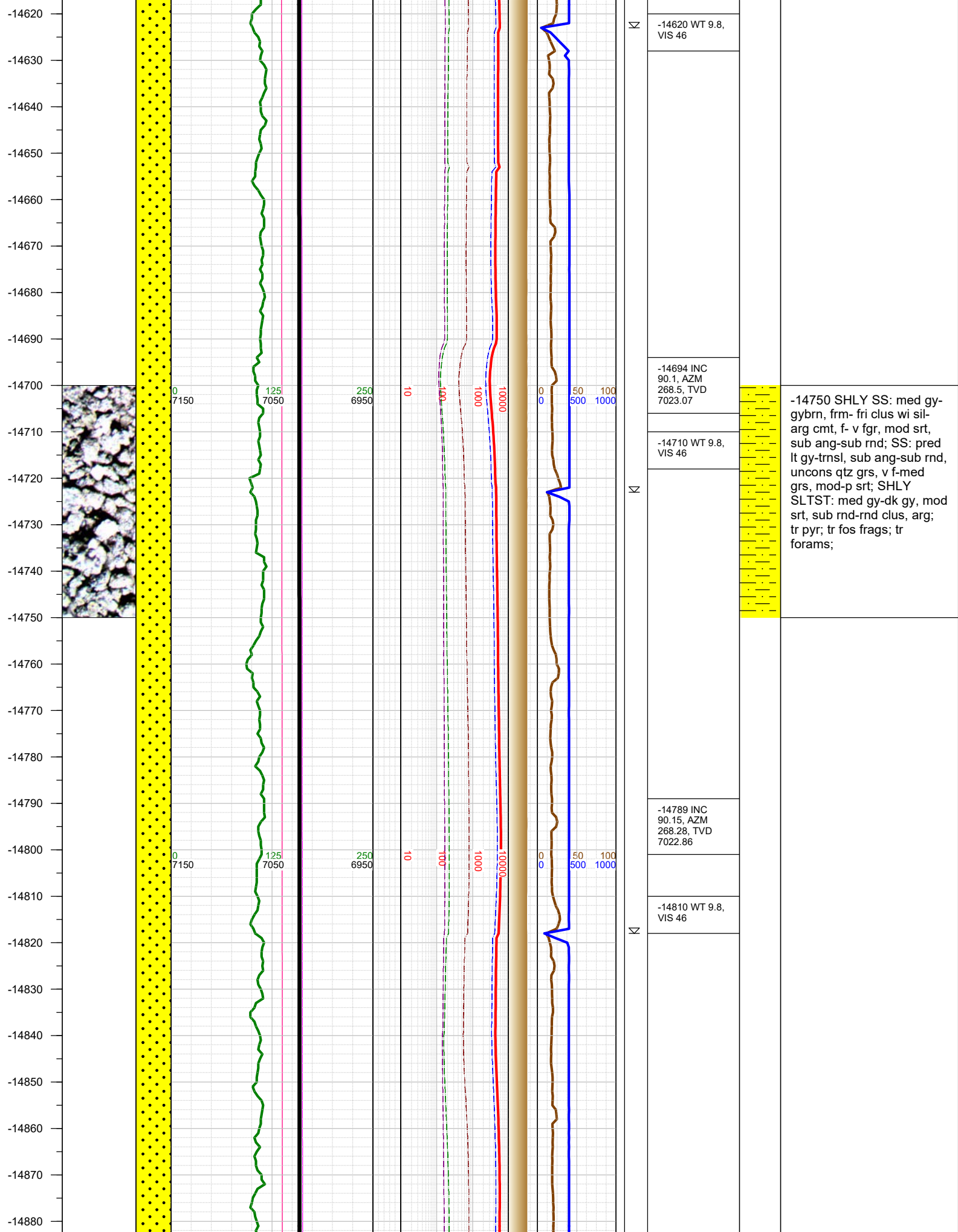
-13500 SHLY SS: med gy-gybrn, frm- fri clus wi sil-arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, sub rnd-rnd clus, arg; tr pyr;

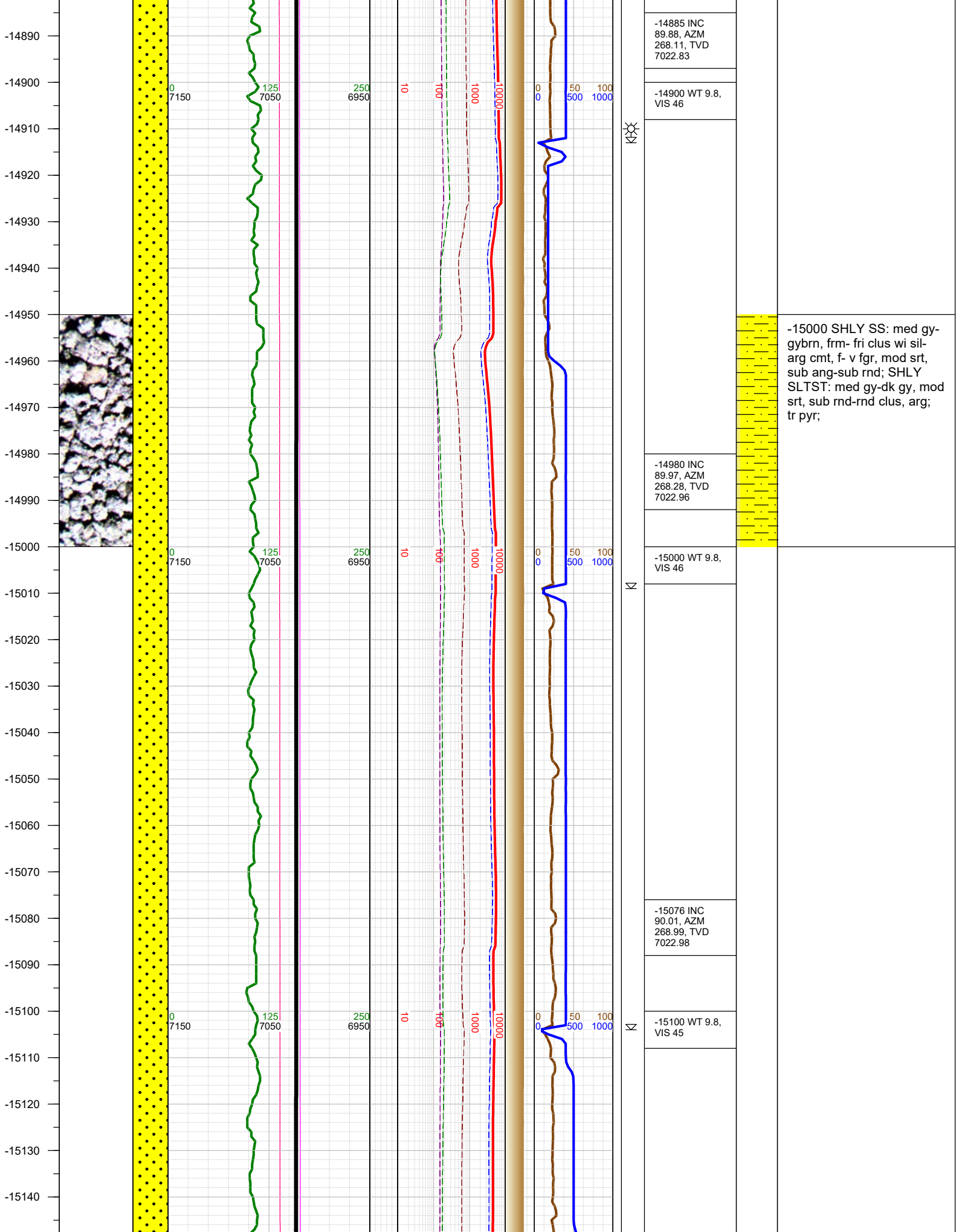


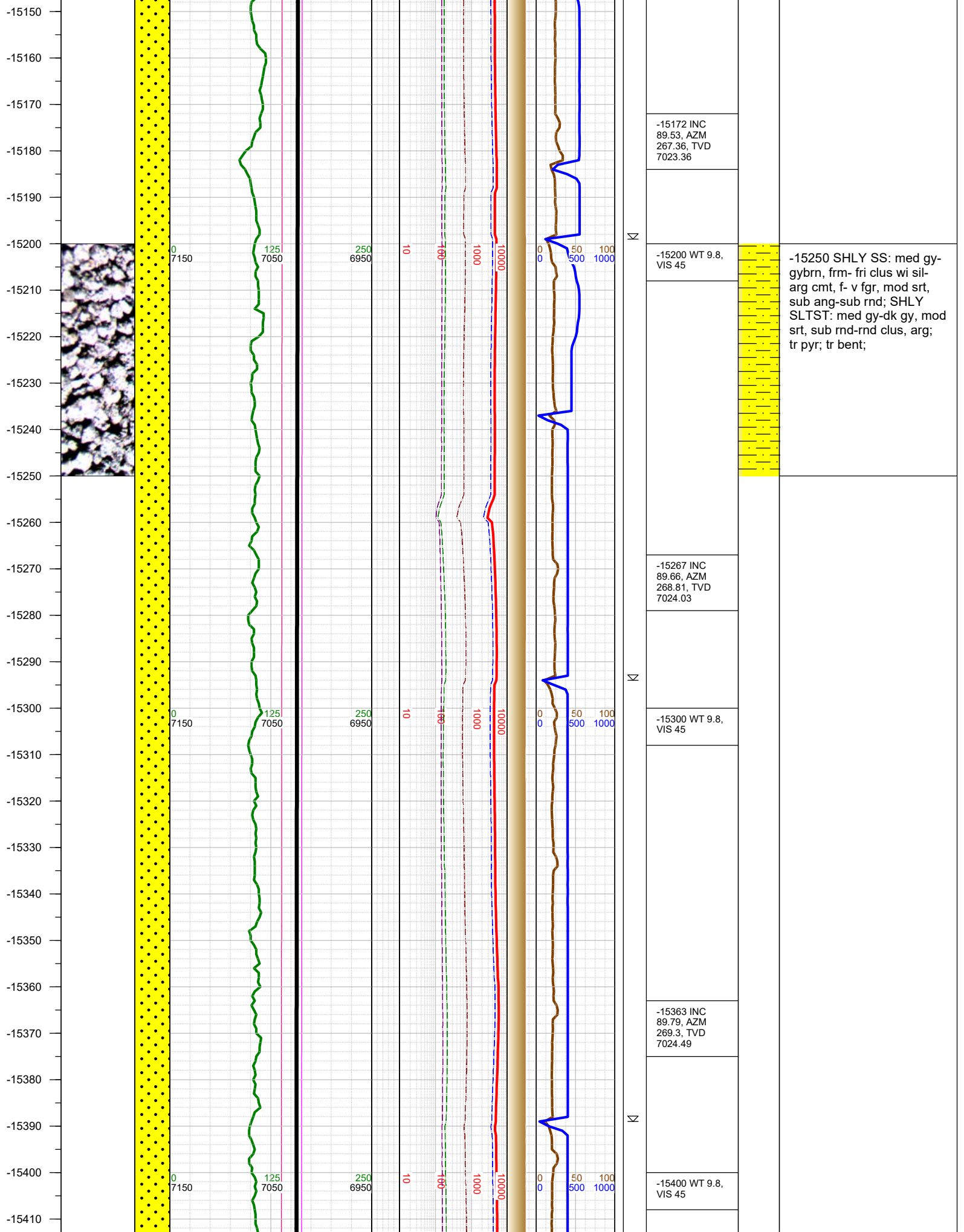


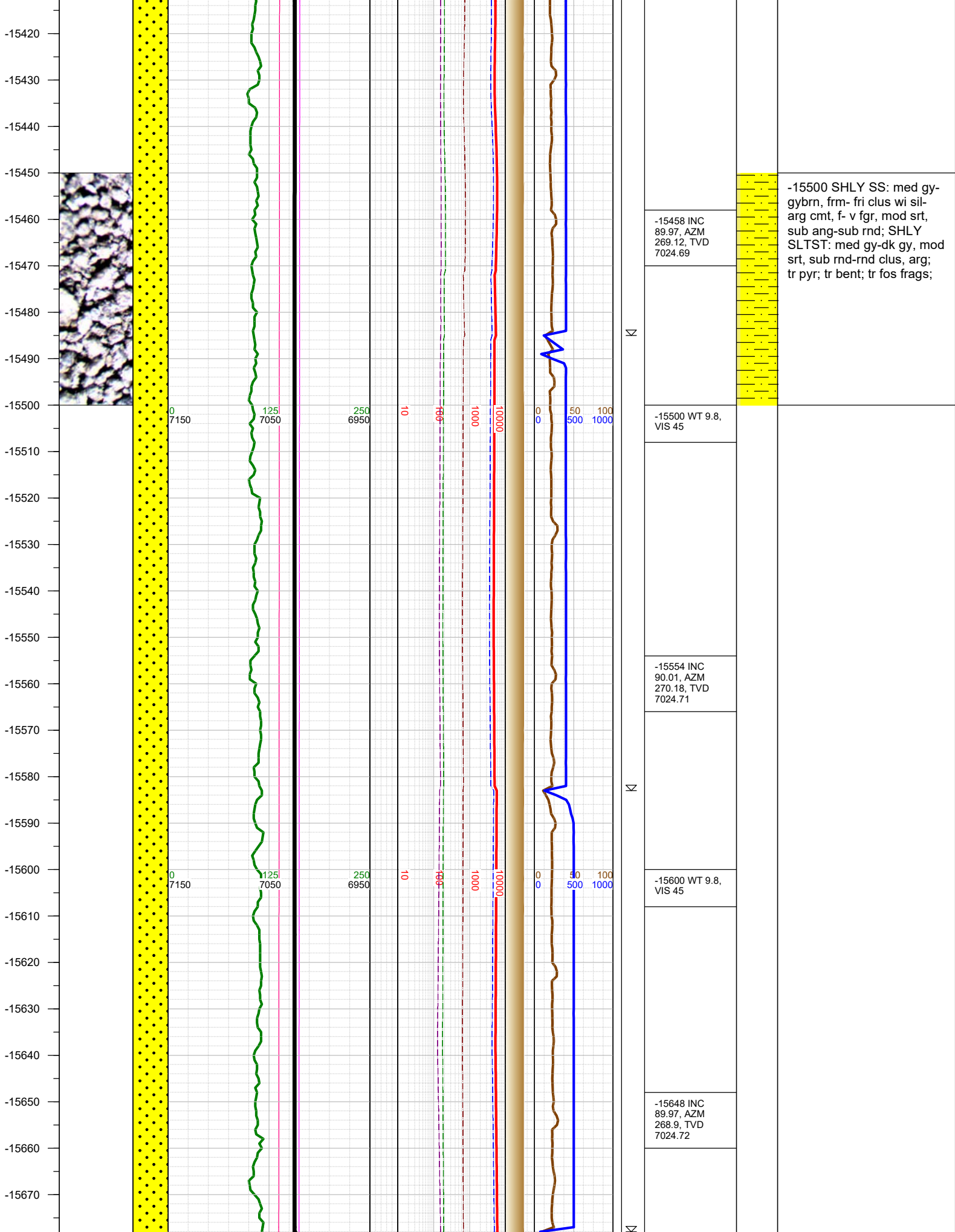


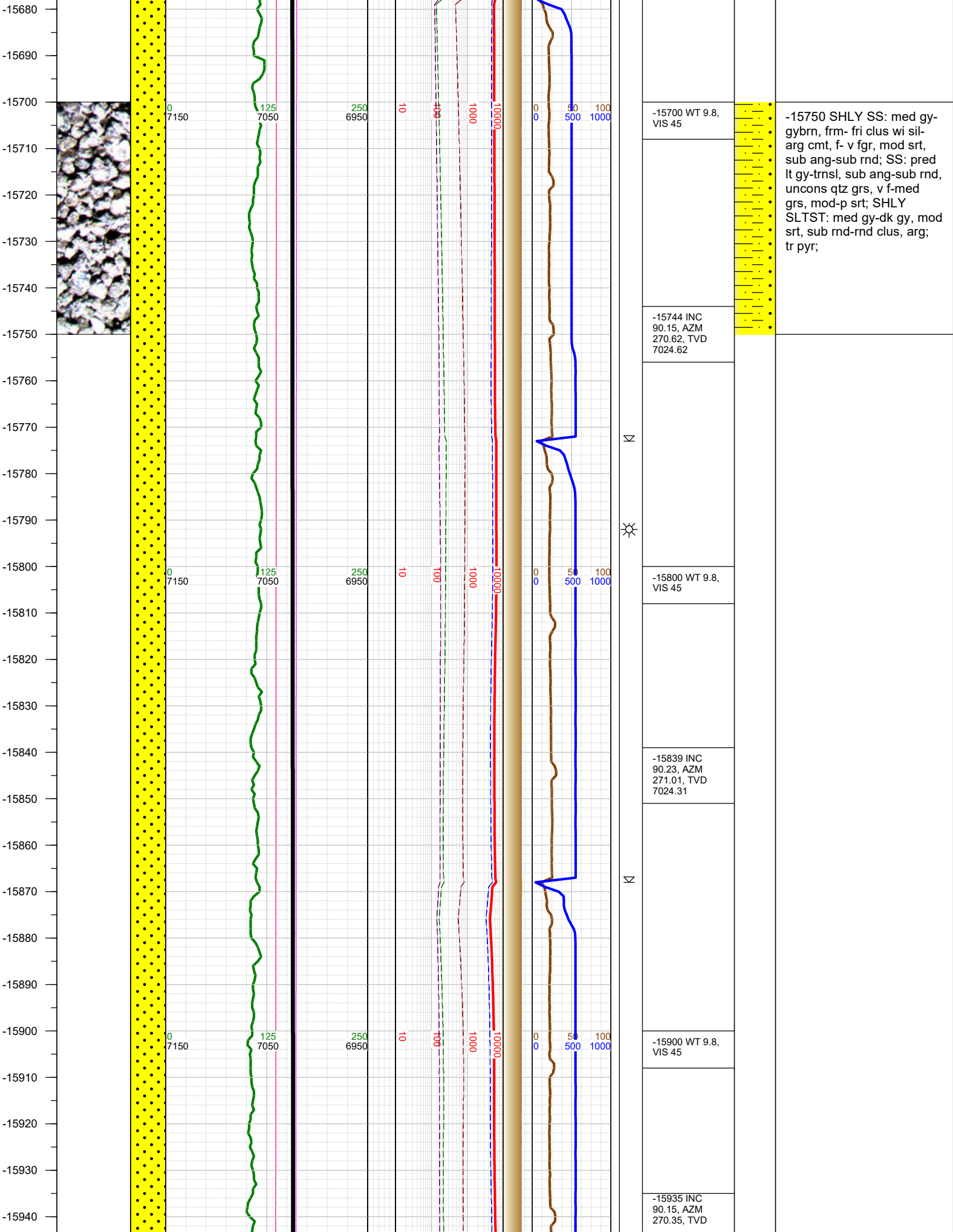




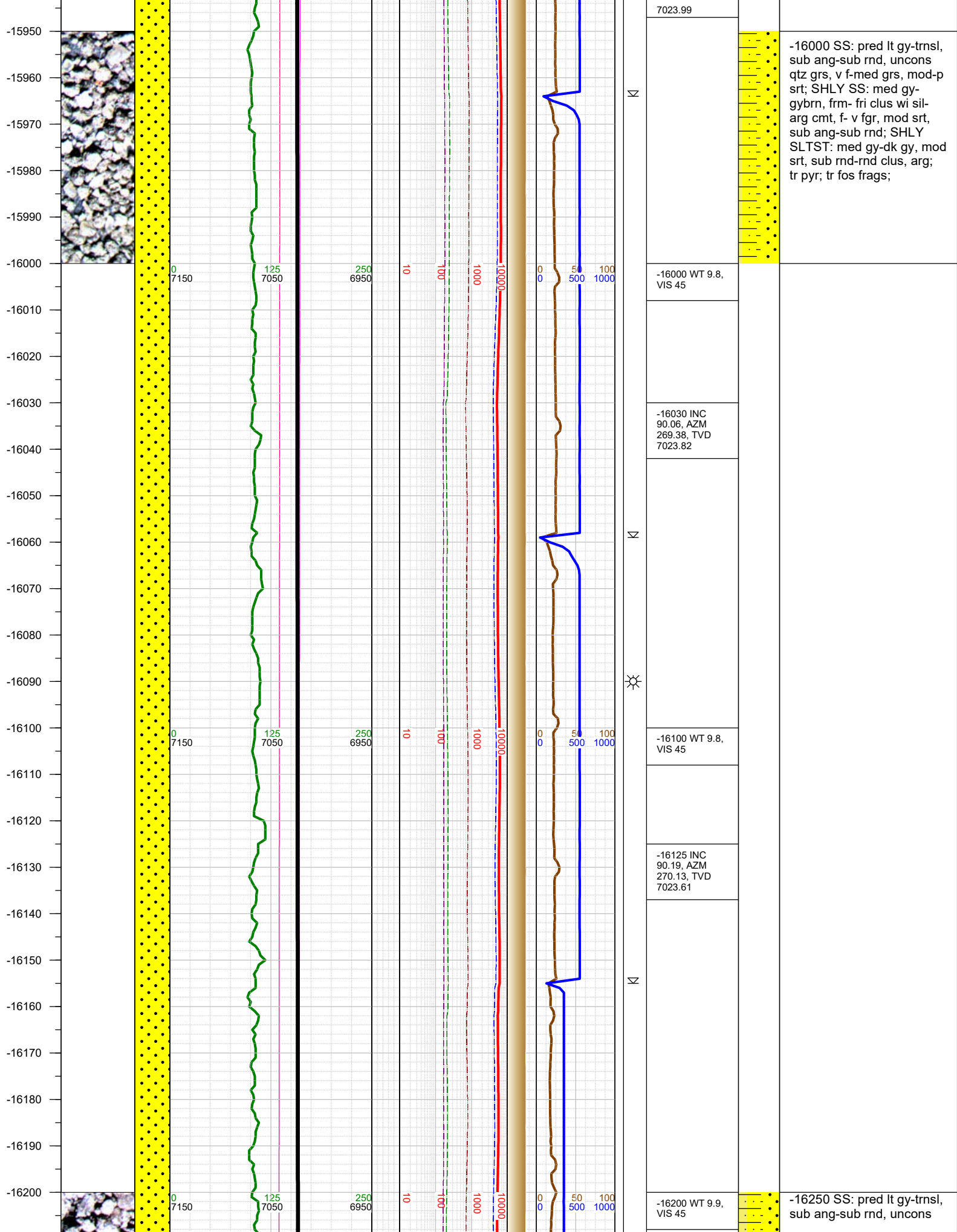


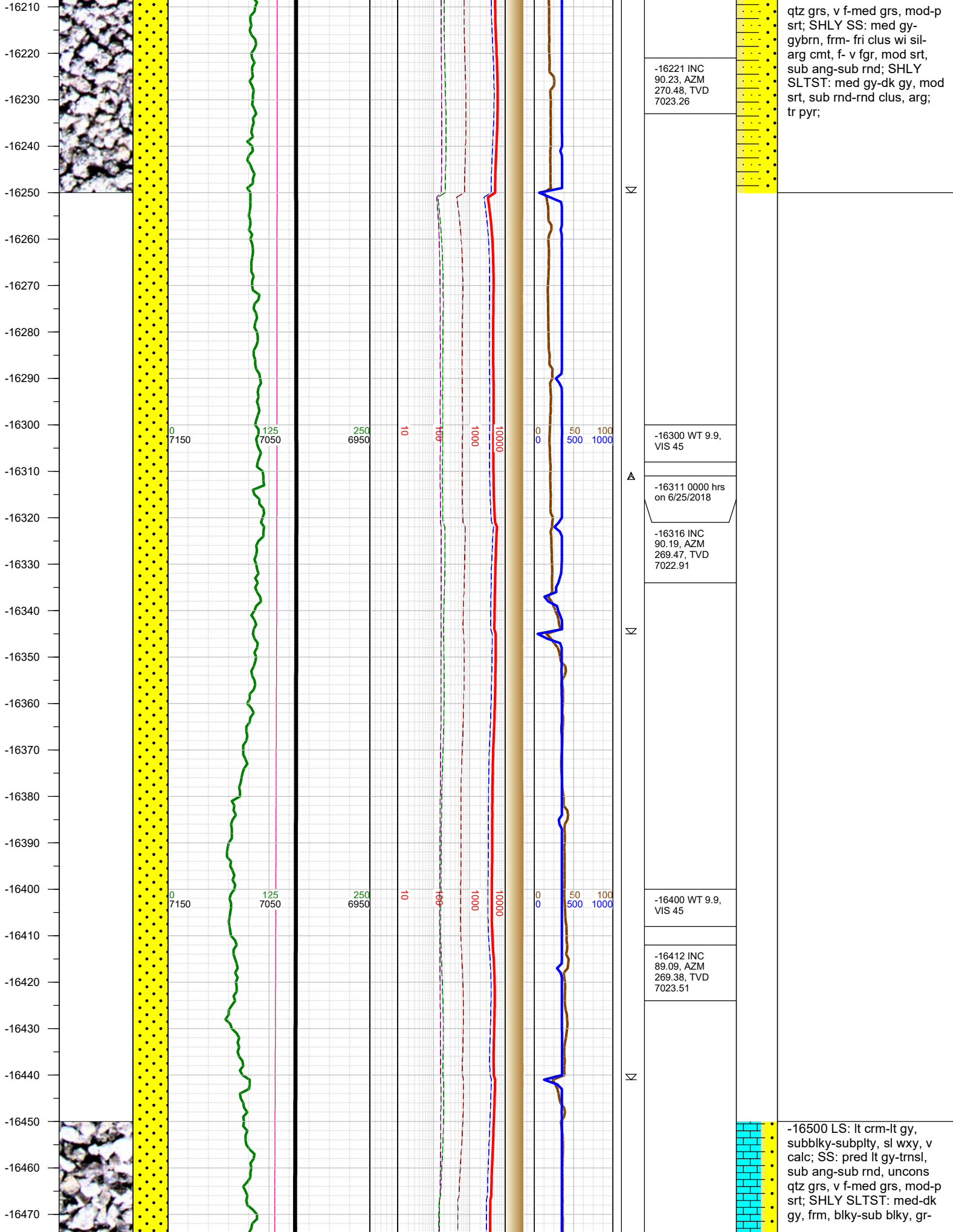


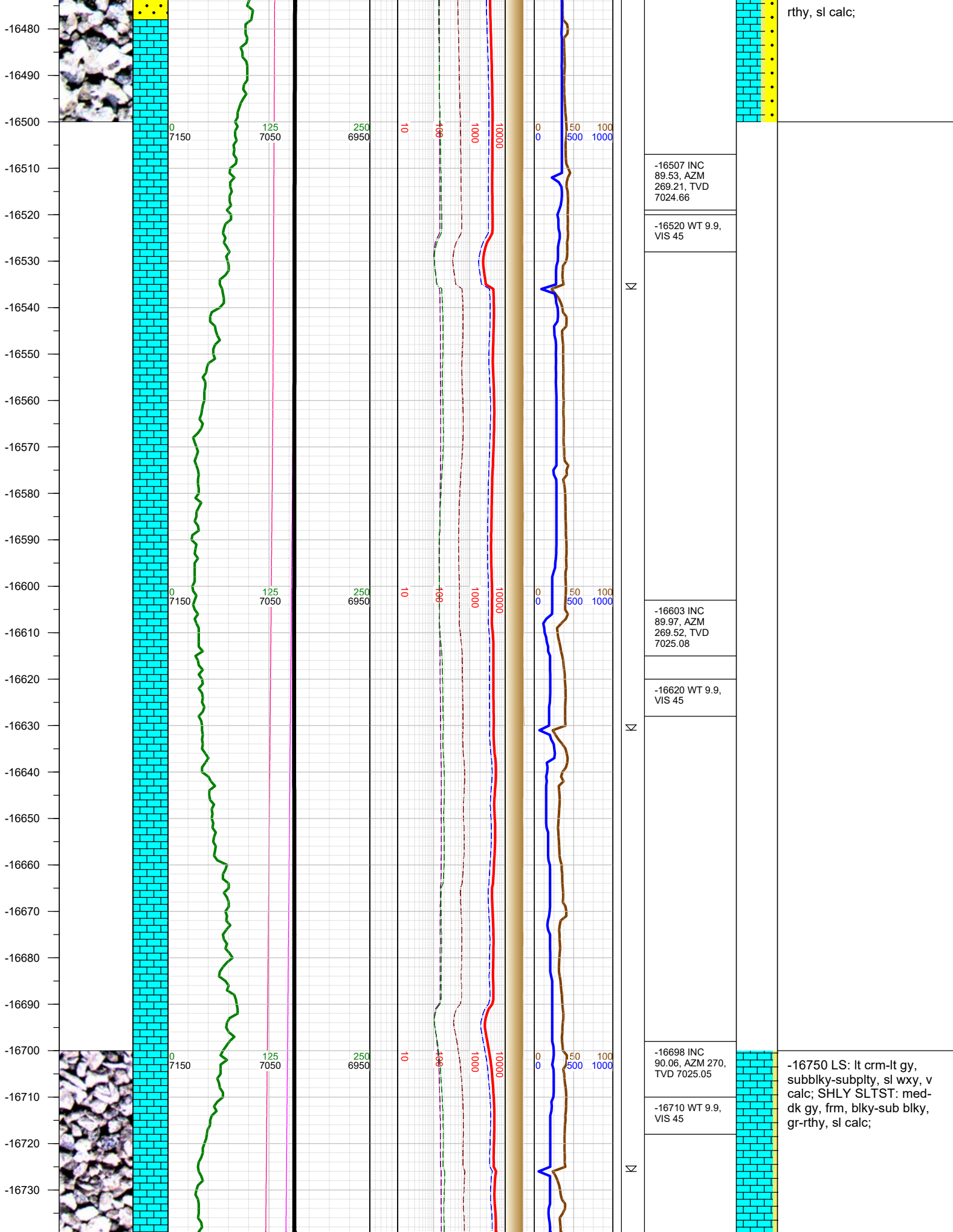


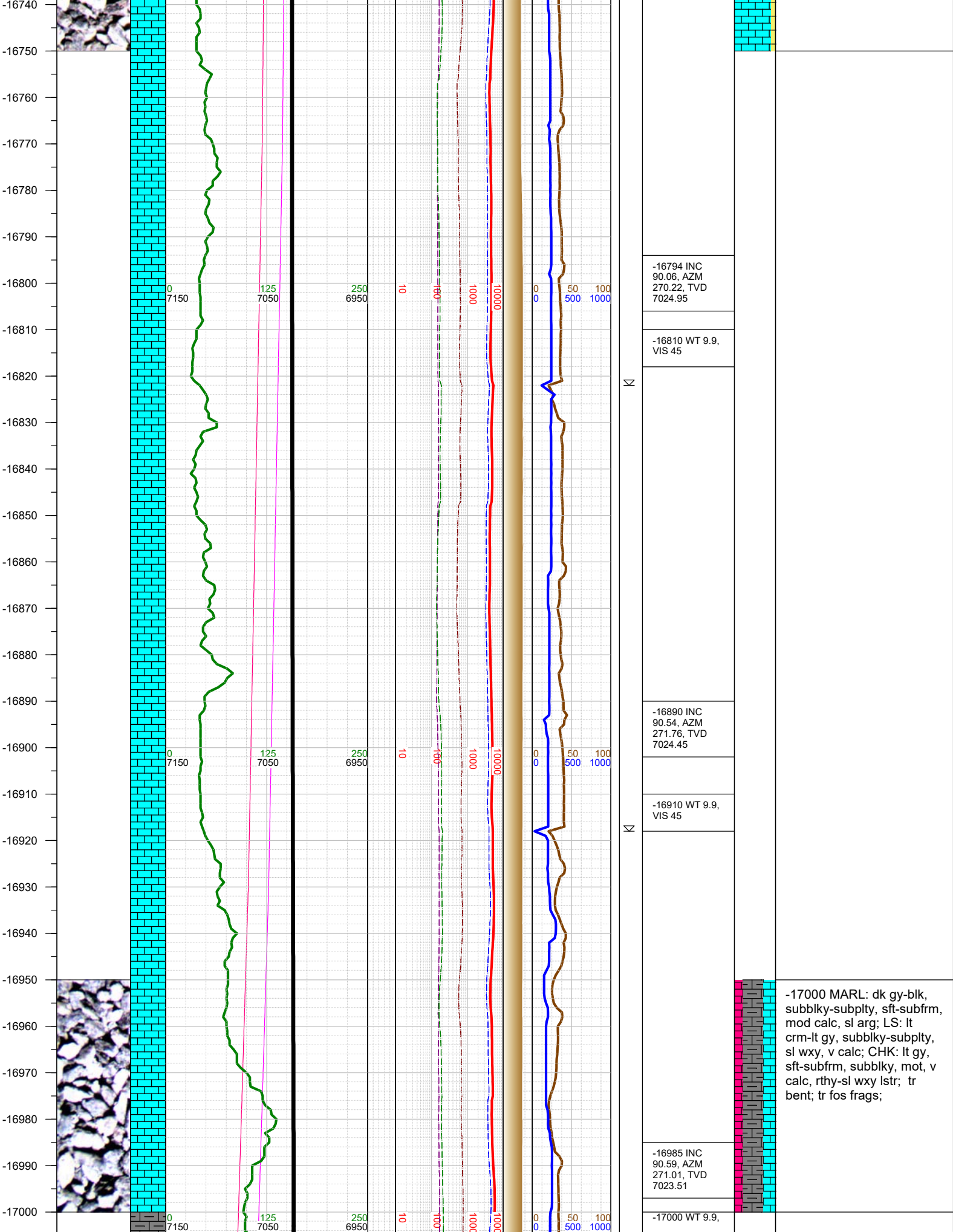


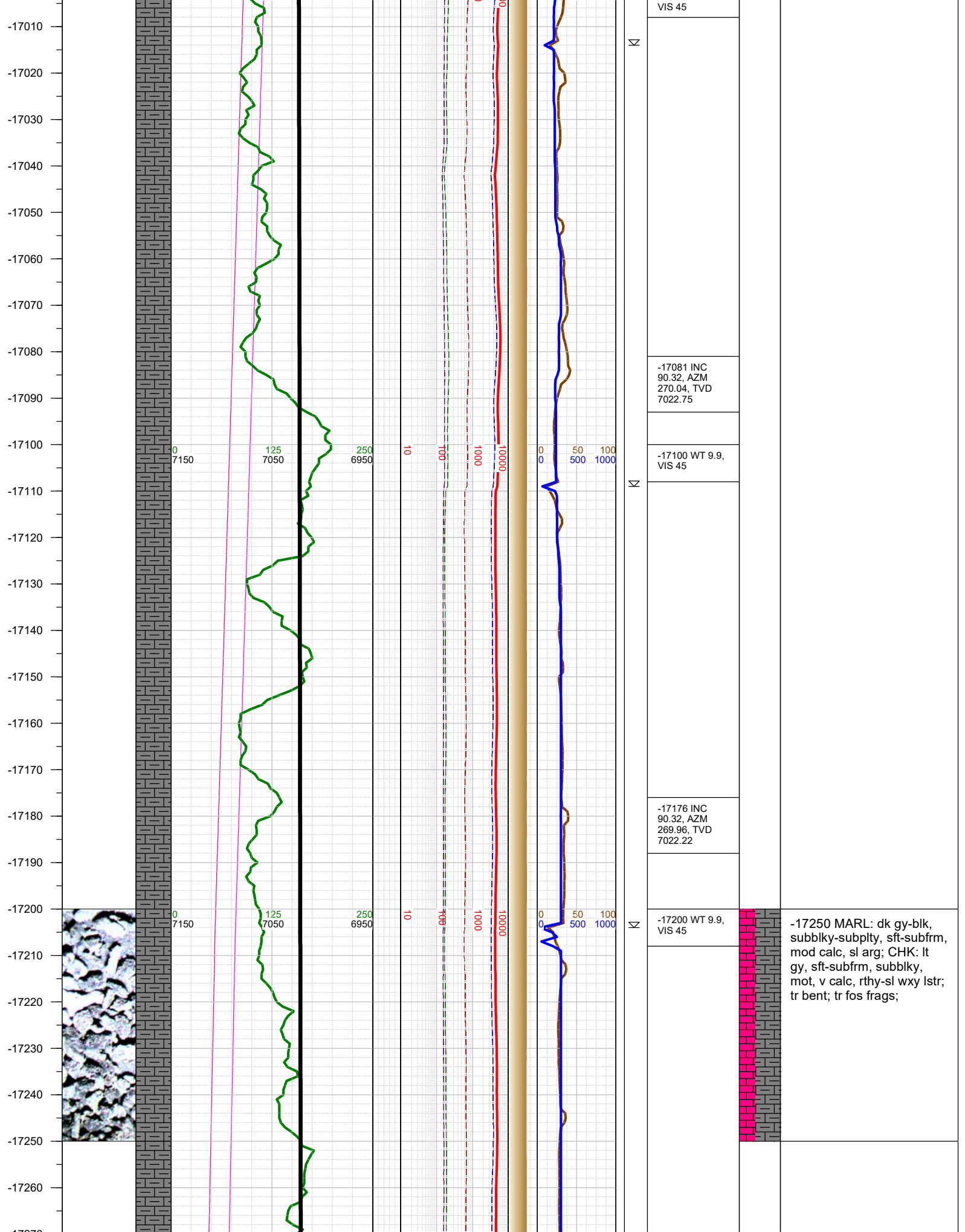
-15750 SHLY SS: med gy-gybrn, frm- fri clus wi sil-arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SS: pred lt gy-trnsl, sub ang-sub rnd, uncons qtz grs, v f-med grs, mod-p srt; SHLY SLTST: med gy-dk gy, mod srt, sub rnd-rnd clus, arg; tr pyr;



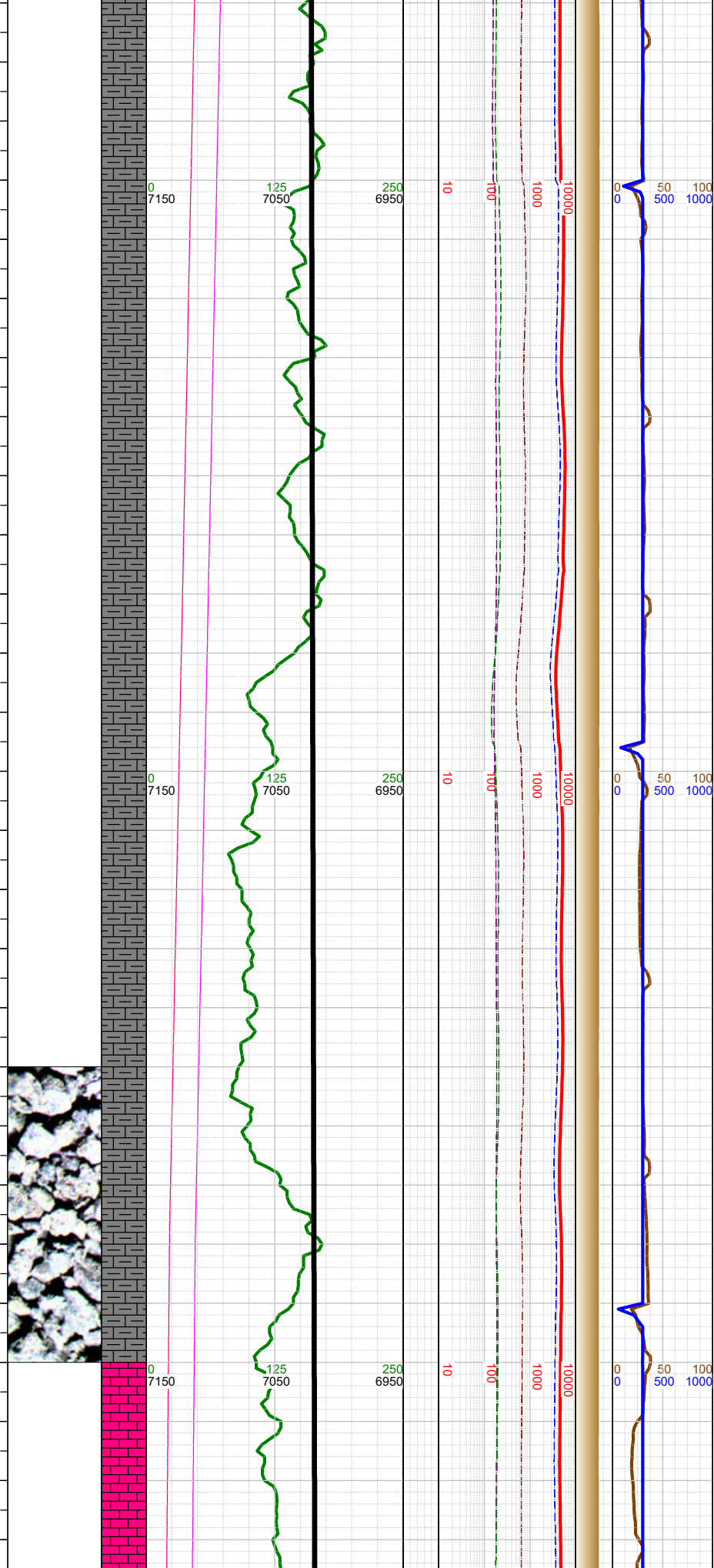




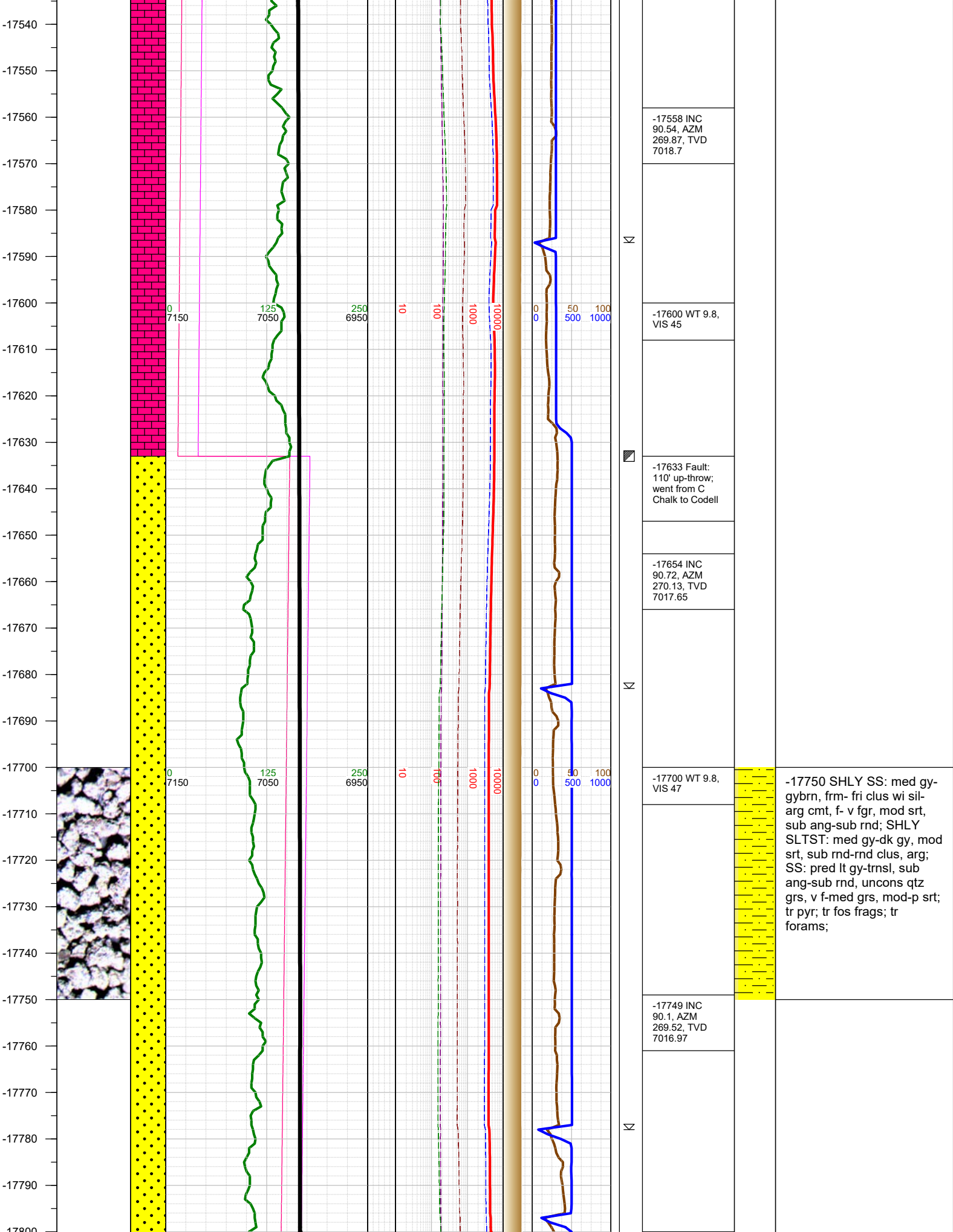


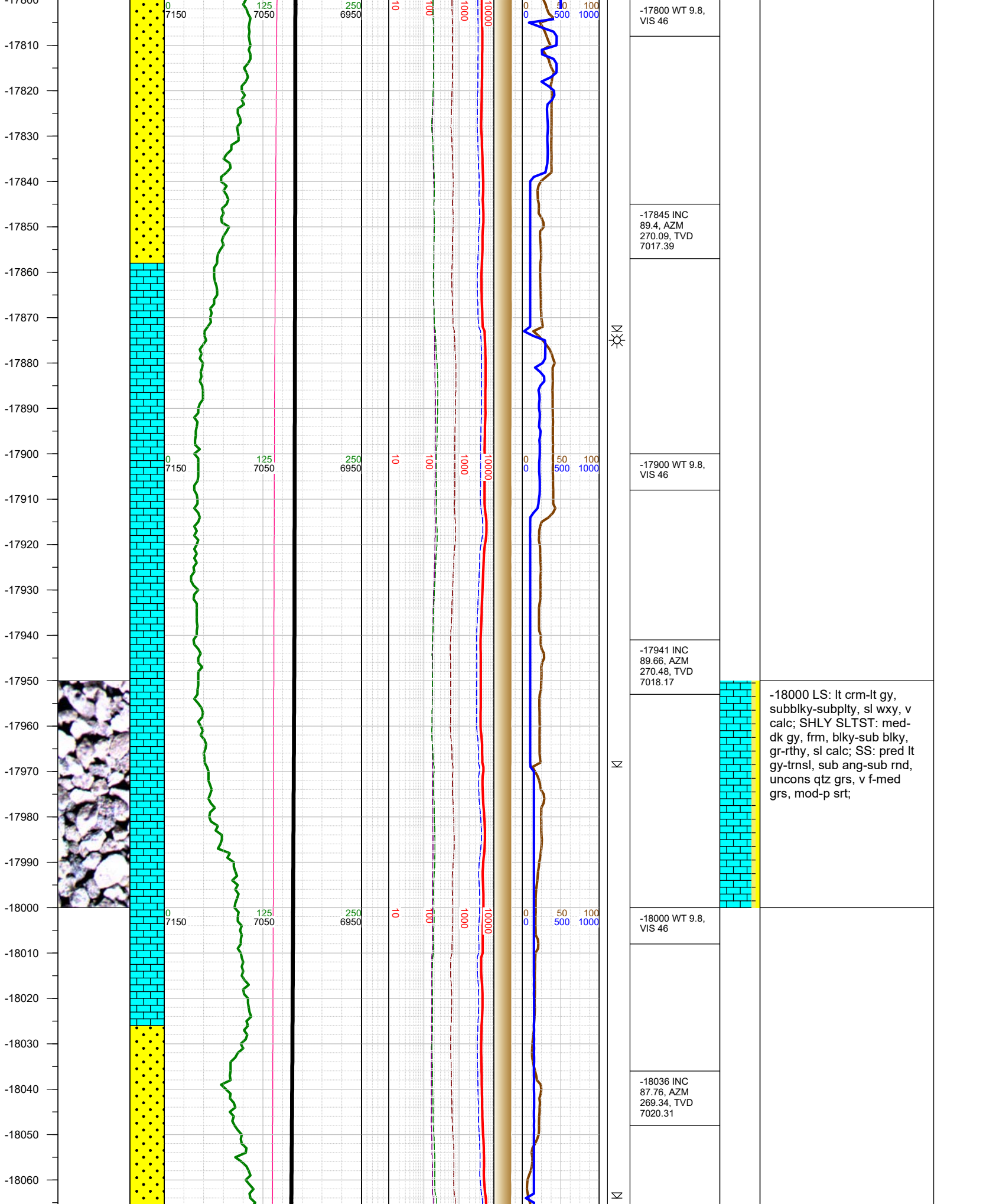


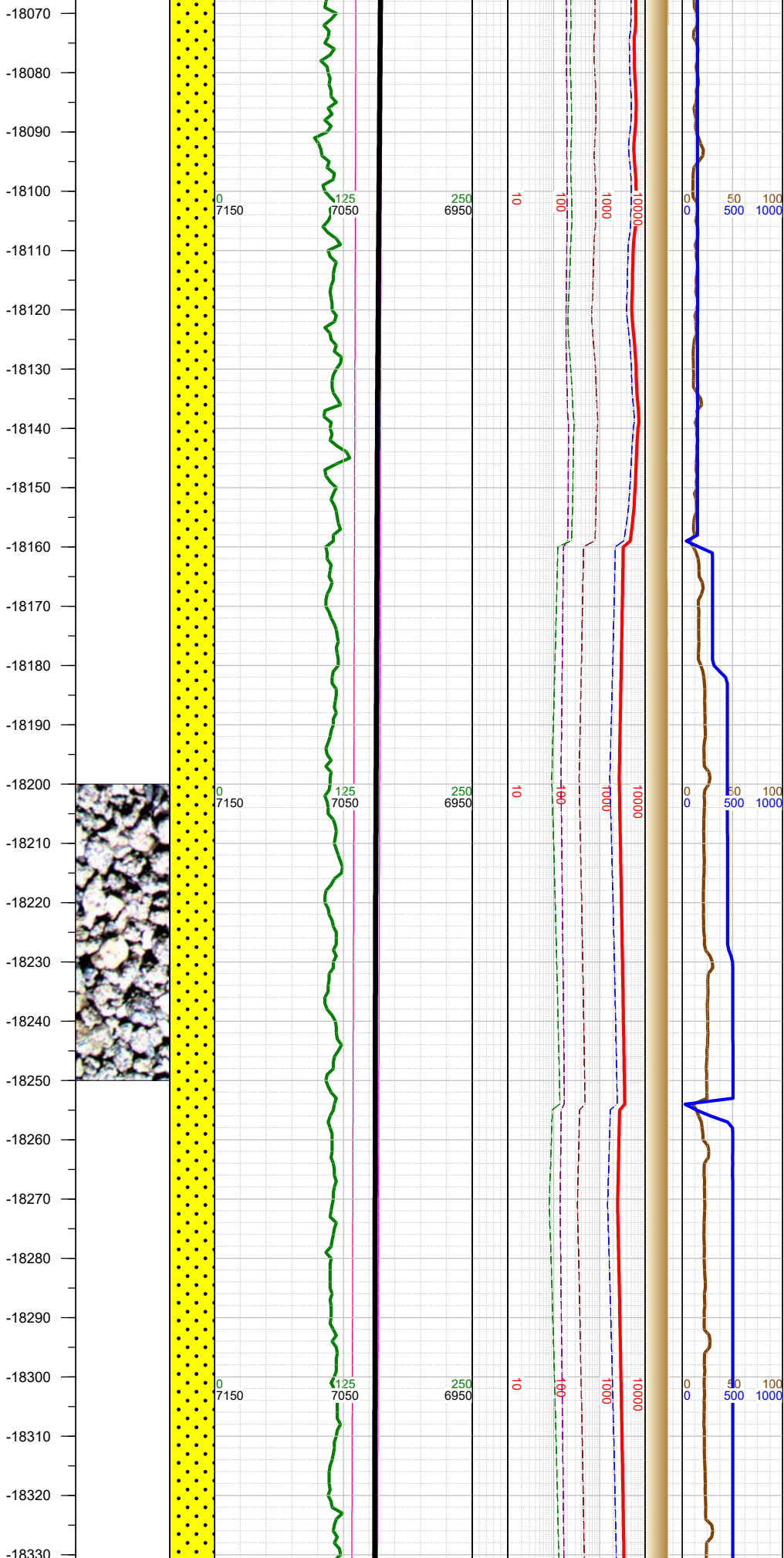
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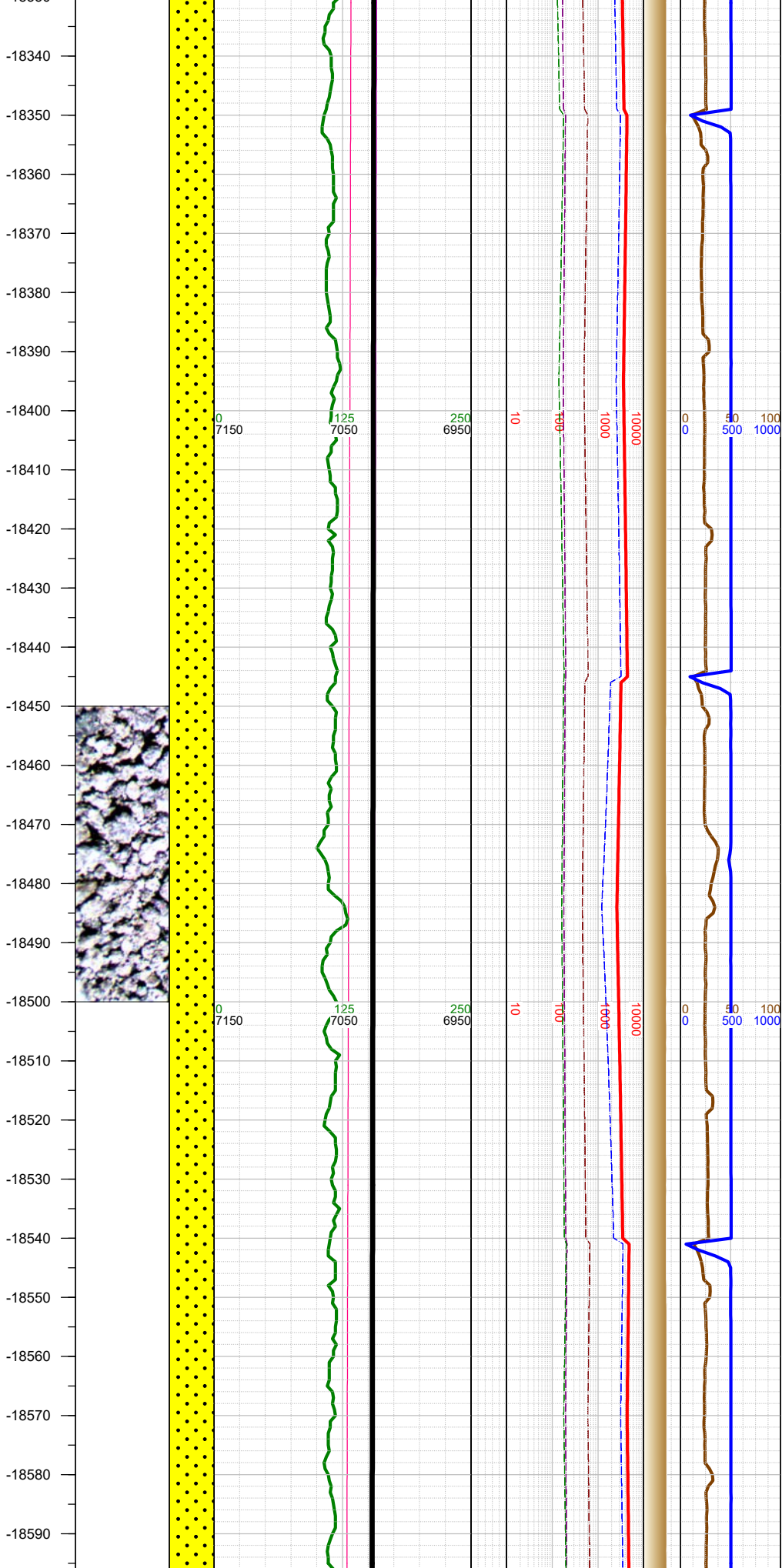
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	-17300 WT 9.8, VIS 45		
N	-17367 INC 90.5, AZM 271.23, TVD 7020.77		
	-17400 WT 9.8, VIS 45		
N	-17463 INC 90.72, AZM 271.81, TVD 7019.75	-17500 CHK: lt-med gy, sft- subfrm, subblky, mot, v calc, rthy-sl wxy lstr; MARL: dk gy-blk, subblky- subply, sft-subfrm, v calc, mod arg, sl silty intbds; tr fos frags; tr forams;	
	-17500 WT 9.8, VIS 45		



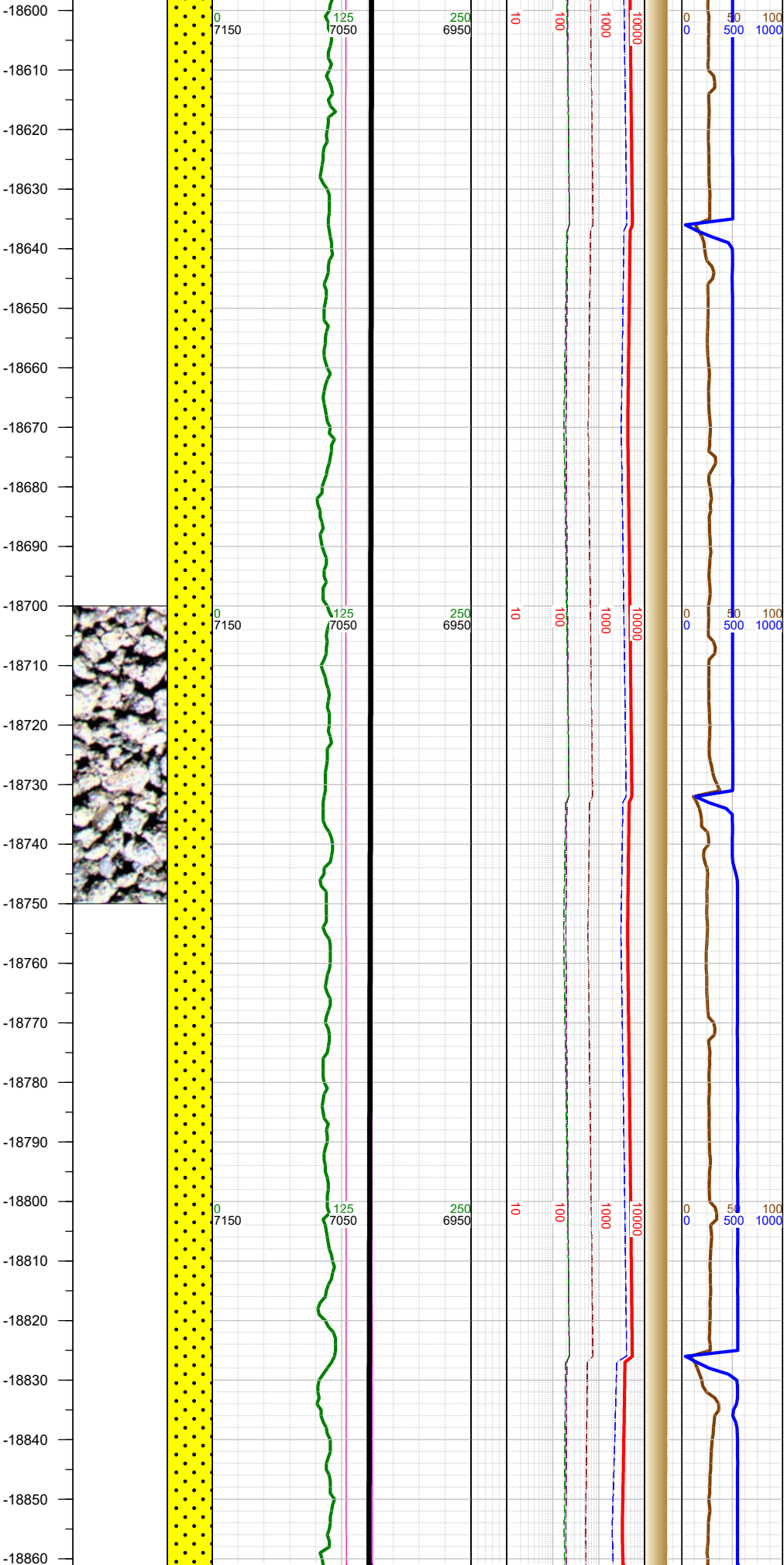




	-18100 WT 9.8, VIS 47		
	-18132 INC 88.42, AZM 270.13, TVD 7023.51		
	-18200 WT 9.8, VIS 47		
	-18227 INC 89.53, AZM 271.1, TVD 7025.21		
	-18300 WT 9.8, VIS 47		
	-18323 INC 89.84, AZM 271.06, TVD		



N		7025.74	
		-18400 WT 9.8, VIS 47	
		-18419 INC 89.66, AZM 269.47, TVD 7026.16	
N			-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, sub rnd-rnd clus, arg; SS: pred lt gy-trnsl, sub ang-sub rnd, uncons qtz grs, v f-med grs, mod-p srt; tr pyr; tr fos frags; tr forams;
N		-18500 WT 9.8, VIS 47	

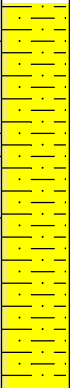


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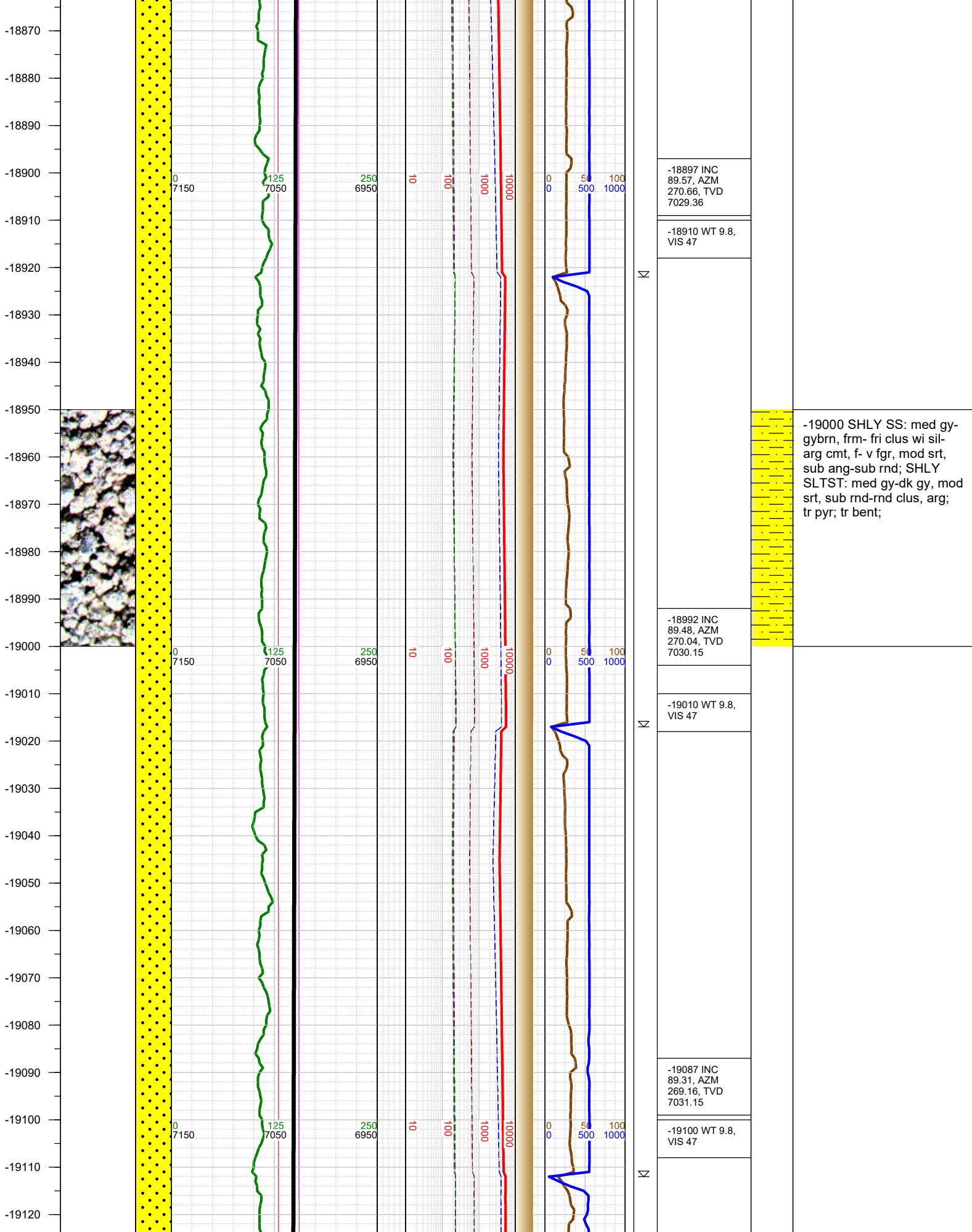
Σ

Σ

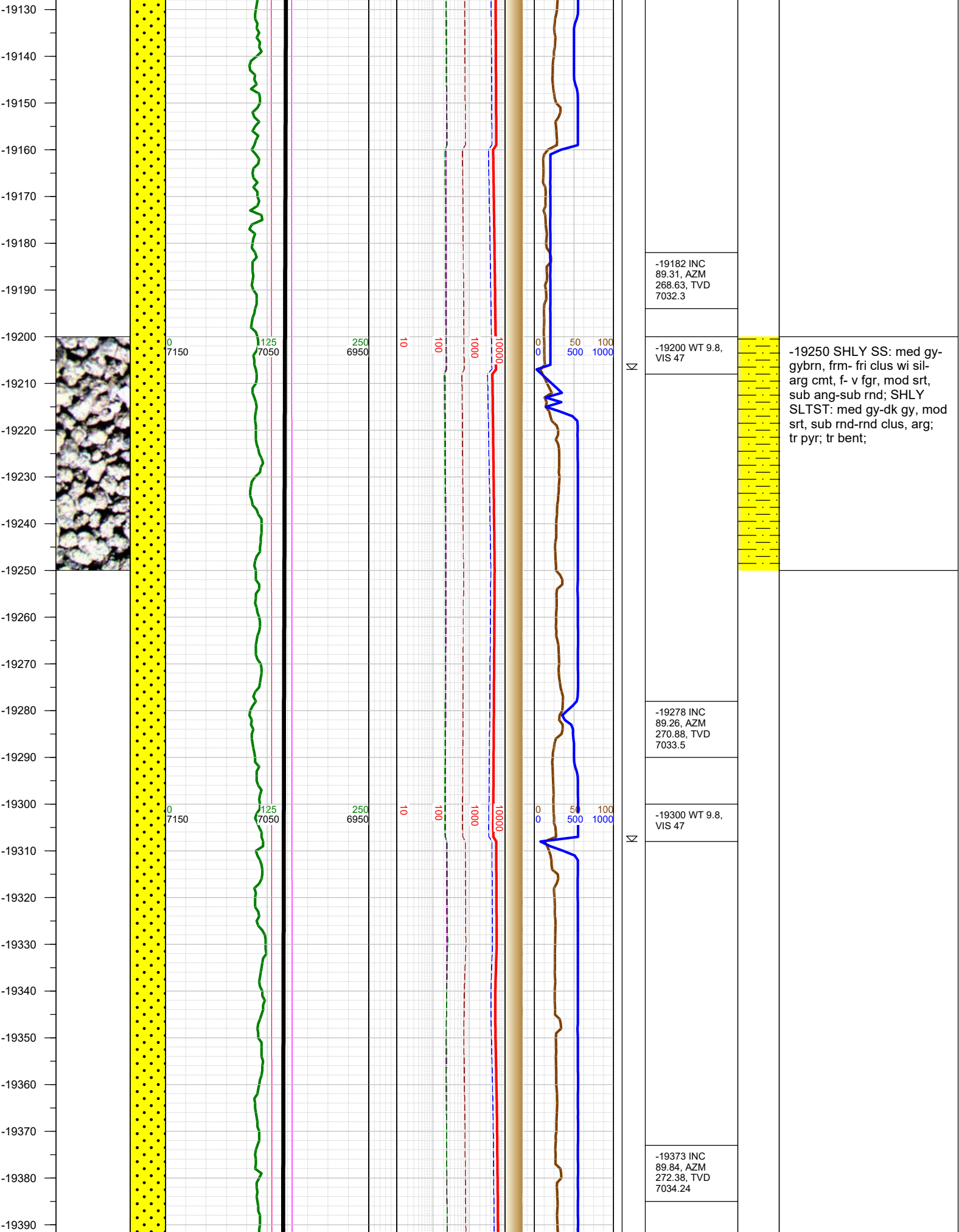
-18600 WT 9.8, VIS 47
-18610 INC 89.75, AZM 269.56, TVD 7027.14
-18705 INC 89.66, AZM 270.84, TVD 7027.63
-18720 WT 9.8, VIS 47
-18801 INC 89.35, AZM 268.94, TVD 7028.46
-18820 WT 9.8, VIS 47

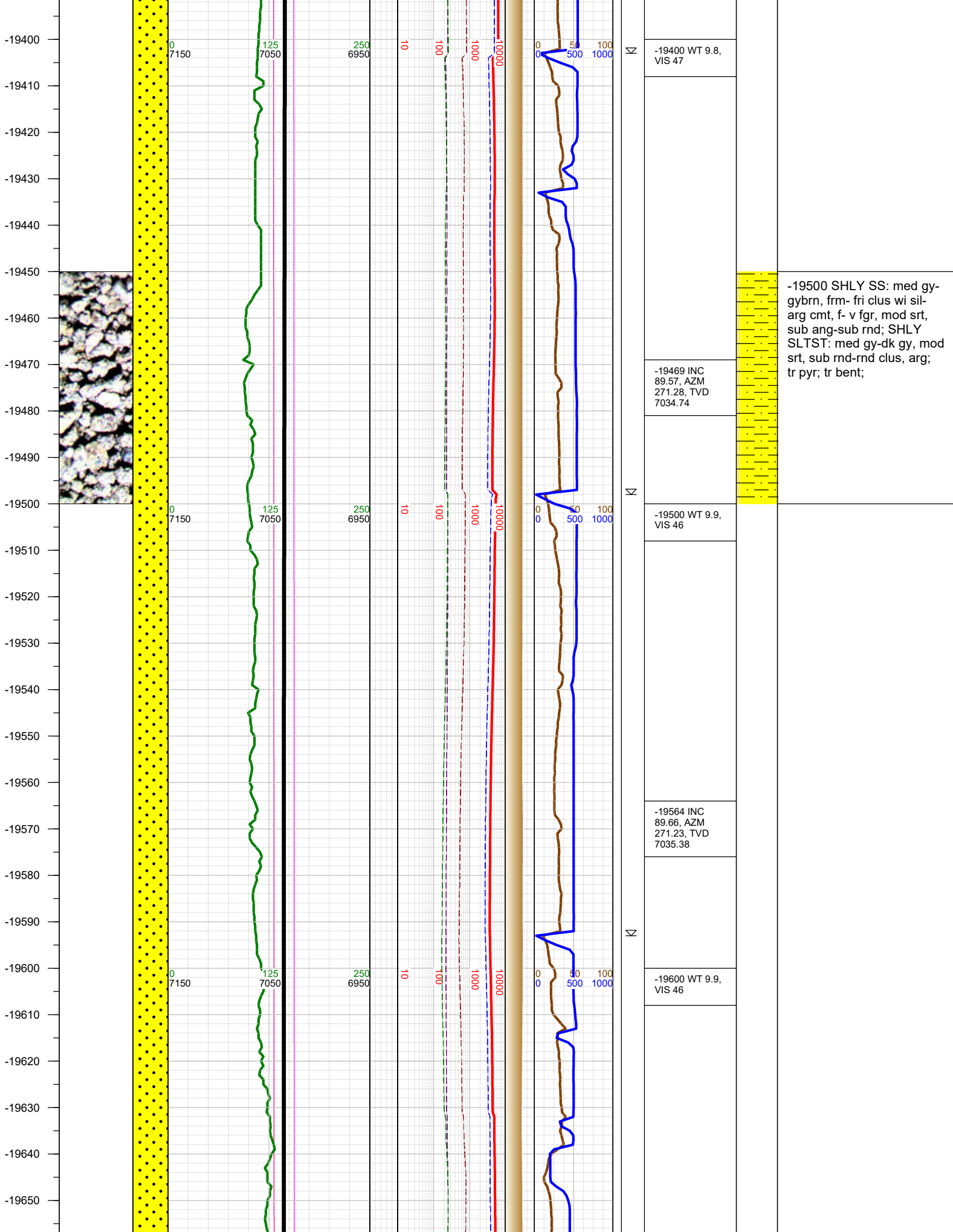


-18750 SHLY SS: med gy-gybrn, frm- fri clus wi sil-arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, sub rnd-rnd clus, arg; SS: pred lt gy-trnsl, sub ang-sub rnd, uncons qtz grs, v f-med grs, mod-p srt; tr pyr; tr fos frags; tr forams;



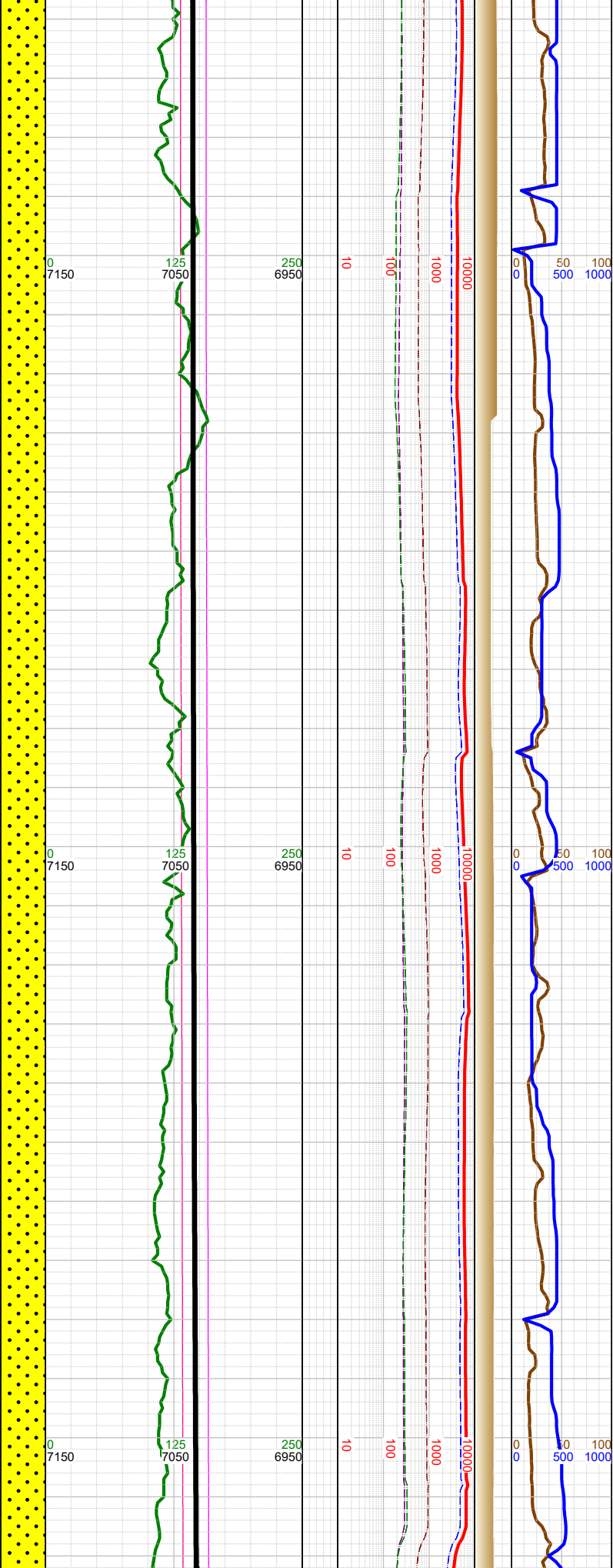
-19000 SHLY SS: med gy-gybrn, frm- fri clus wi sil-arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, sub rnd-rnd clus, arg; tr pyr; tr bent;



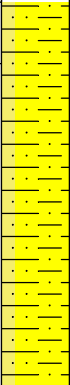


-19500 SHLY SS: med gy-gybrn, frm- fri clus wi sil-arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, sub rnd-rnd clus, arg; tr pyr; tr bent;

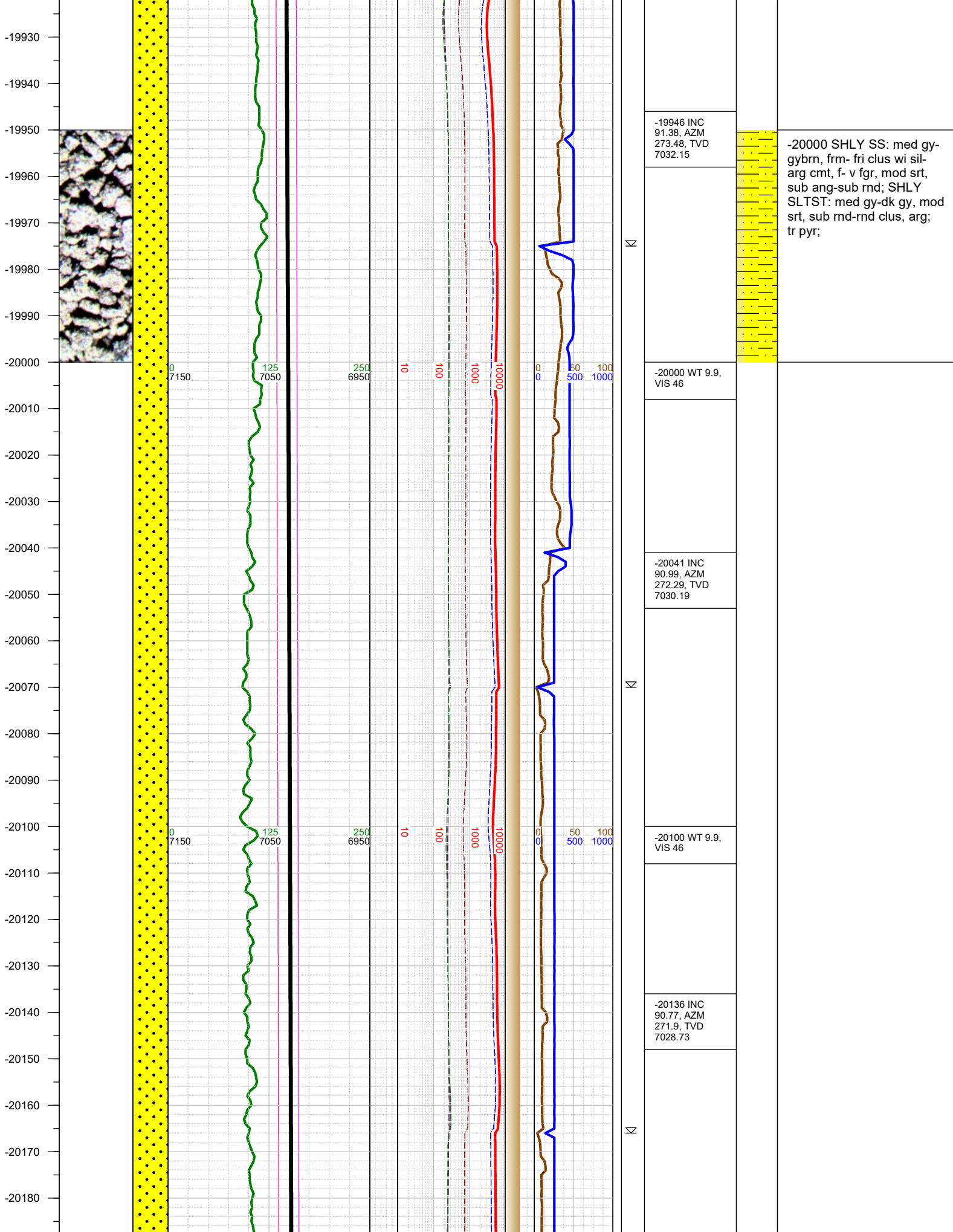
-19660  
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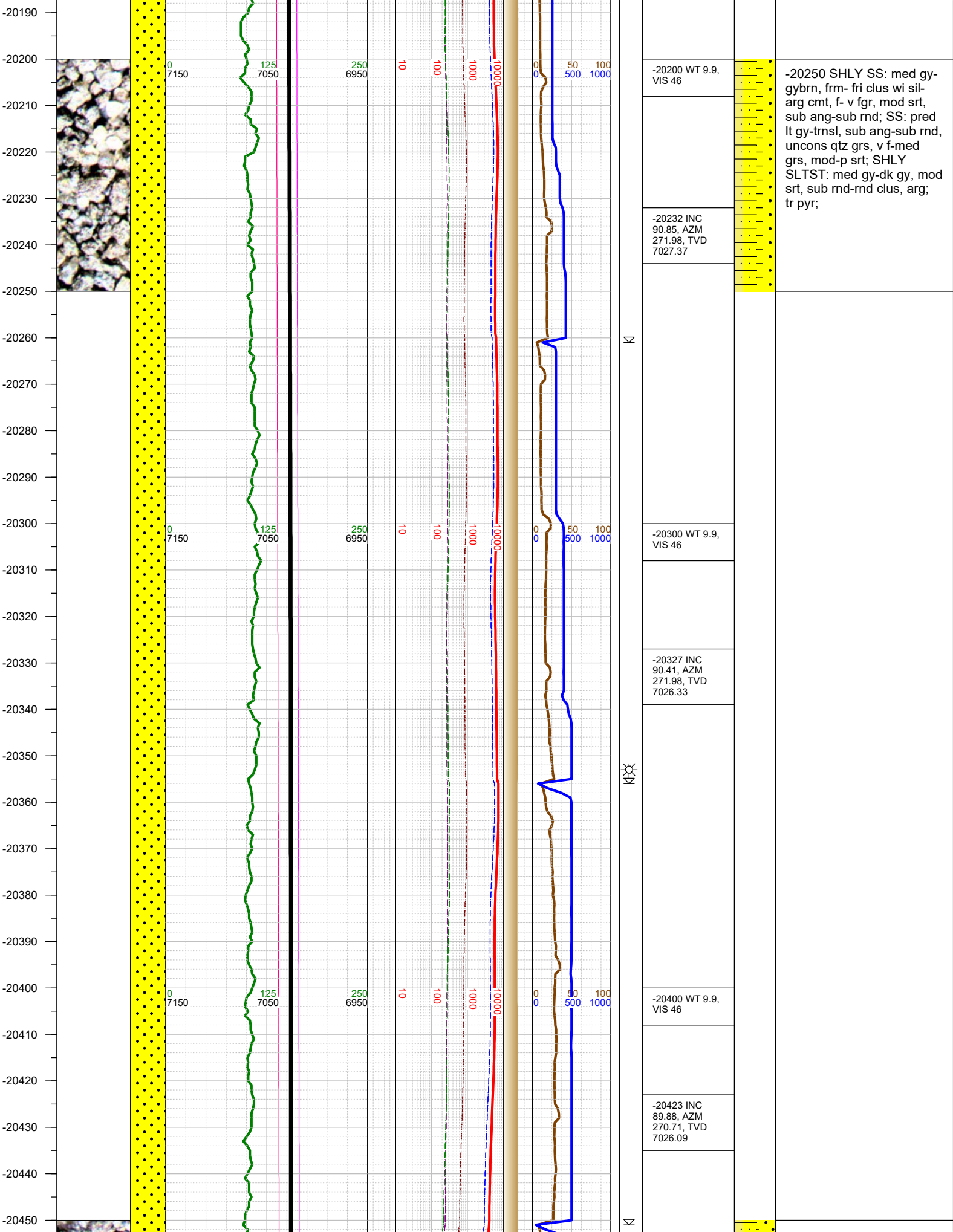


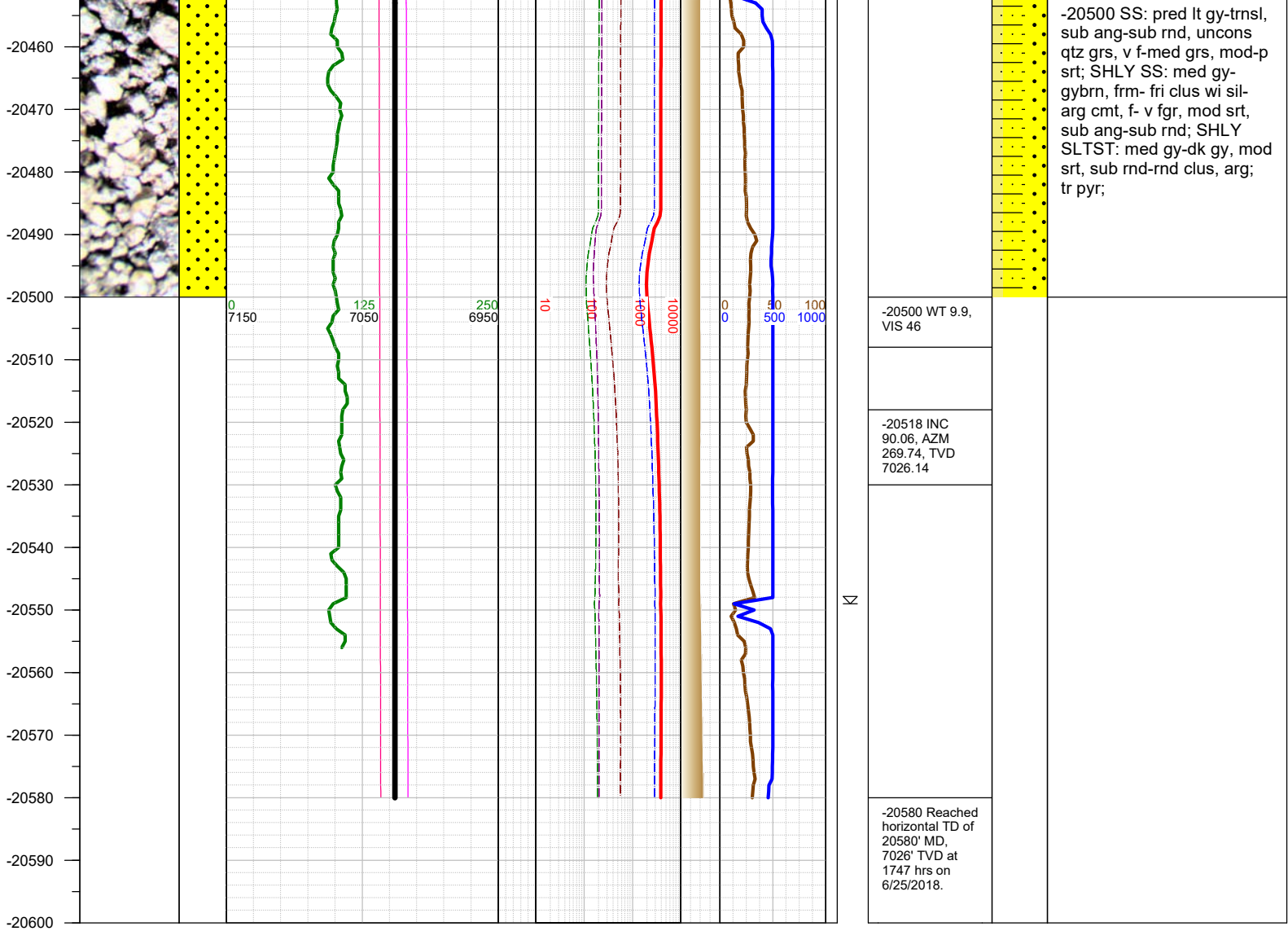
N	-19660 INC 90.41, AZM 273.66, TVD 7035.32	
N	-19700 WT 9.9, VIS 46	
N	-19755 INC 89.93, AZM 271.41, TVD 7035.04	
☀	-19800 WT 9.9, VIS 46	
N	-19850 INC 91.07, AZM 271.94, TVD 7034.21	
	-19900 WT 9.9, VIS 46	



-19750 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, sub rnd-rnd clus, arg; tr pyr; tr bent;







TOTAL DEPTH = 20580'

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