

OPERATOR: **Bayswater E&P, LLC**

WELL NAME: **G&D Hanks N-27-28HC**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: True 38

API #: 05-123-46034

LAT/LONG: 40.542336, -104.759853

SURFACE HOLE: SWSE S27-T7N-R66W, 1318' FSL, 1574' FEL

BOTTOM HOLE: S28-T7N-R66W, 2305' FSL, 5' FWL



Earth Science Agency, LLC

COUNTY: Weld

STATE: Colorado

GROUND ELEVATION: 4875'

KELLY BUSHING: 4893'

DRILLING FLUID: OBM

TVD VS. MD: 7381' / 18335'

SPUD DATE: May 25, 2019

TD DATE: June 4, 2019

DEPTHS LOGGED: 6000' - 18335'

DATES LOGGED: May 26, 2019 - June 4, 2019

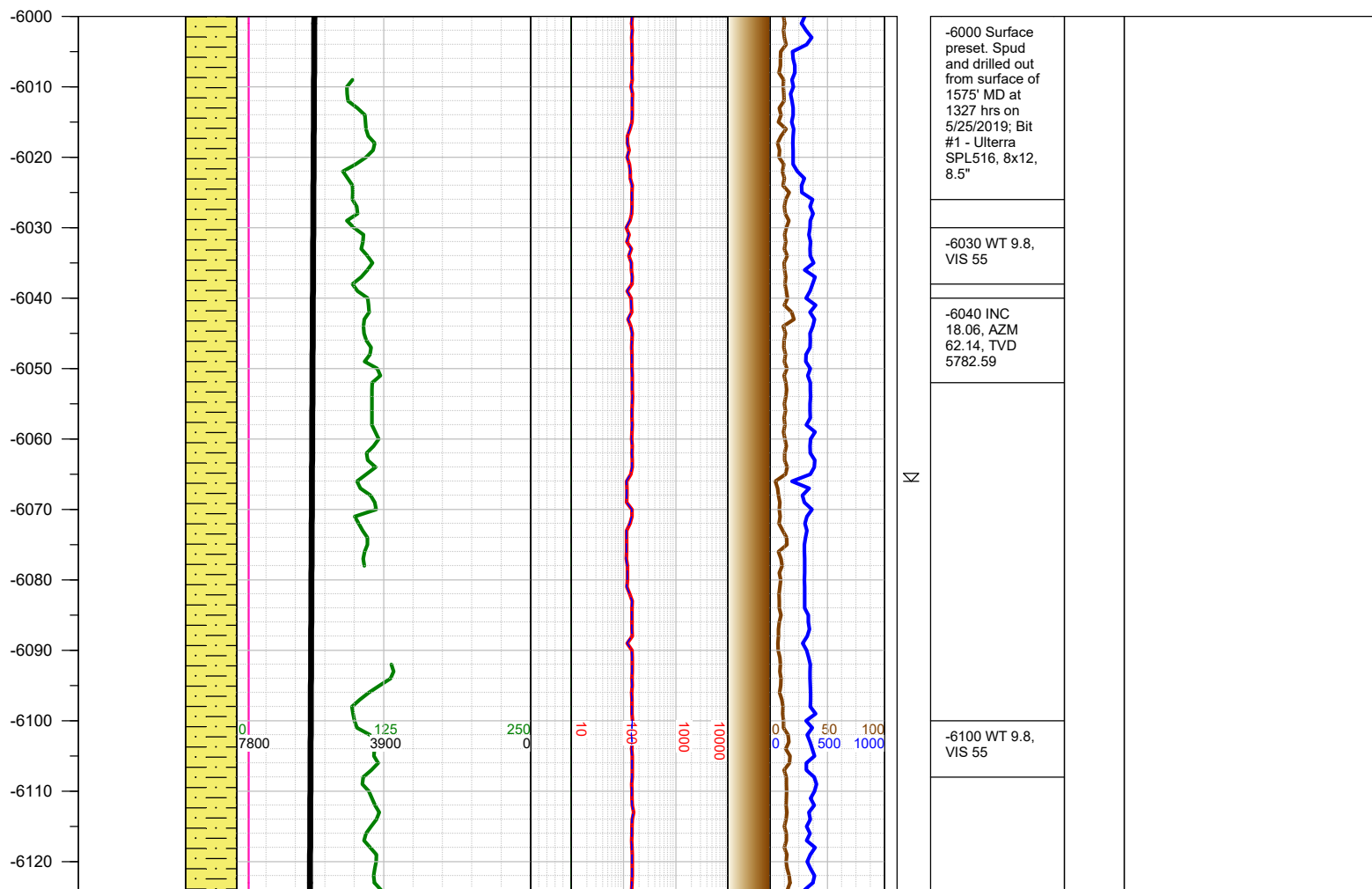
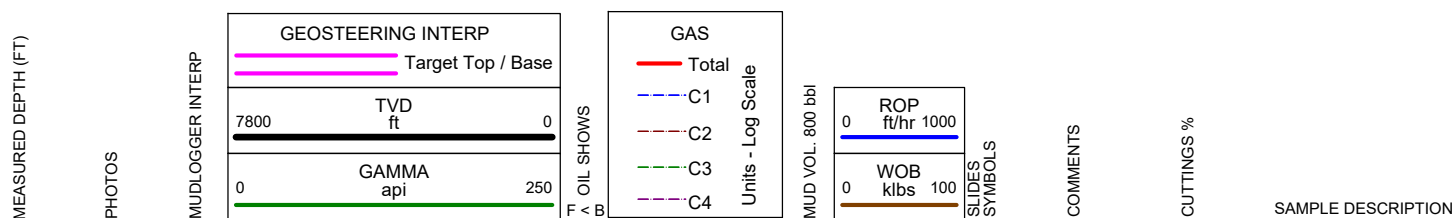
GEOLOGISTS: Scott Snoy, Zak Lewis

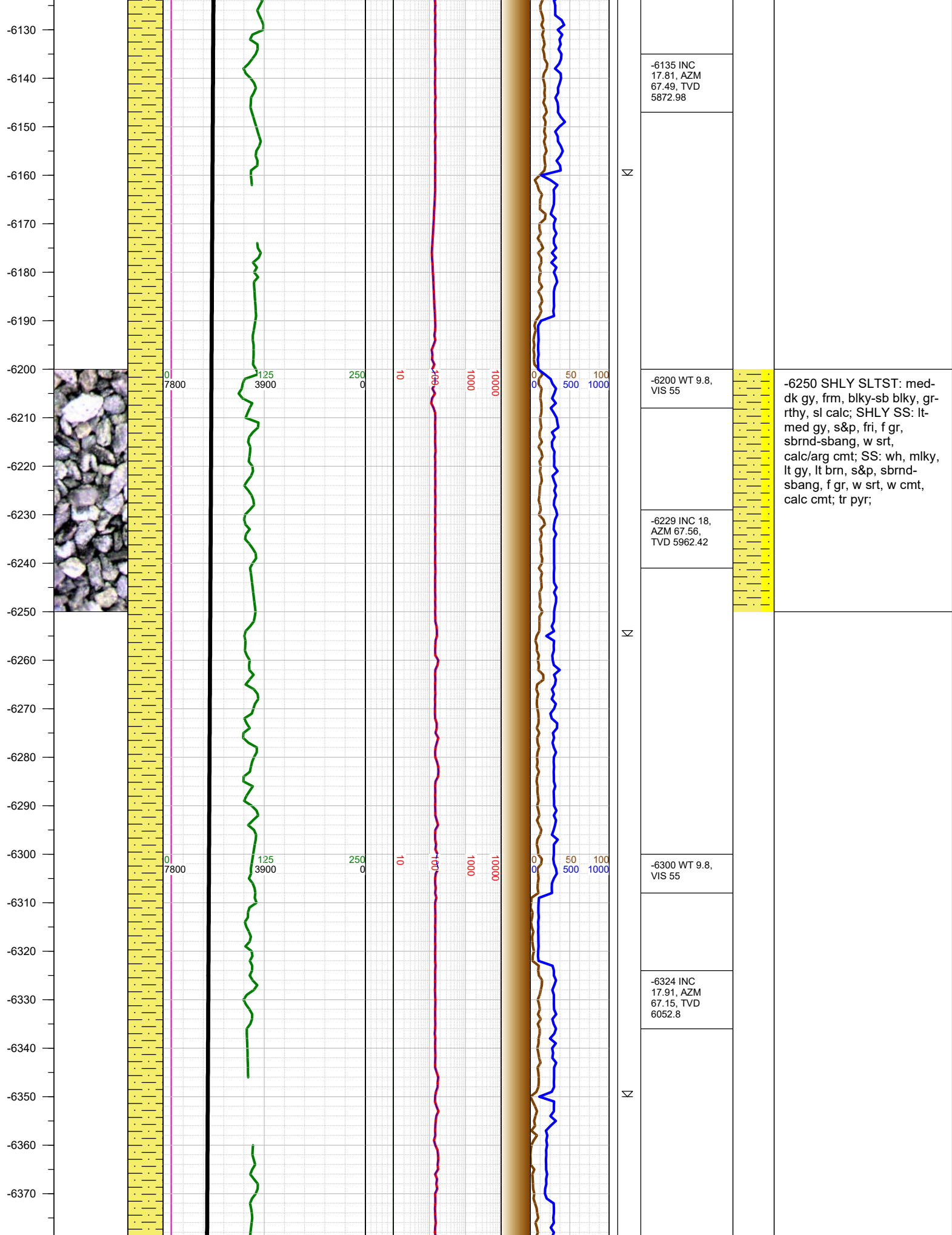
SCALE: 5" = 100'

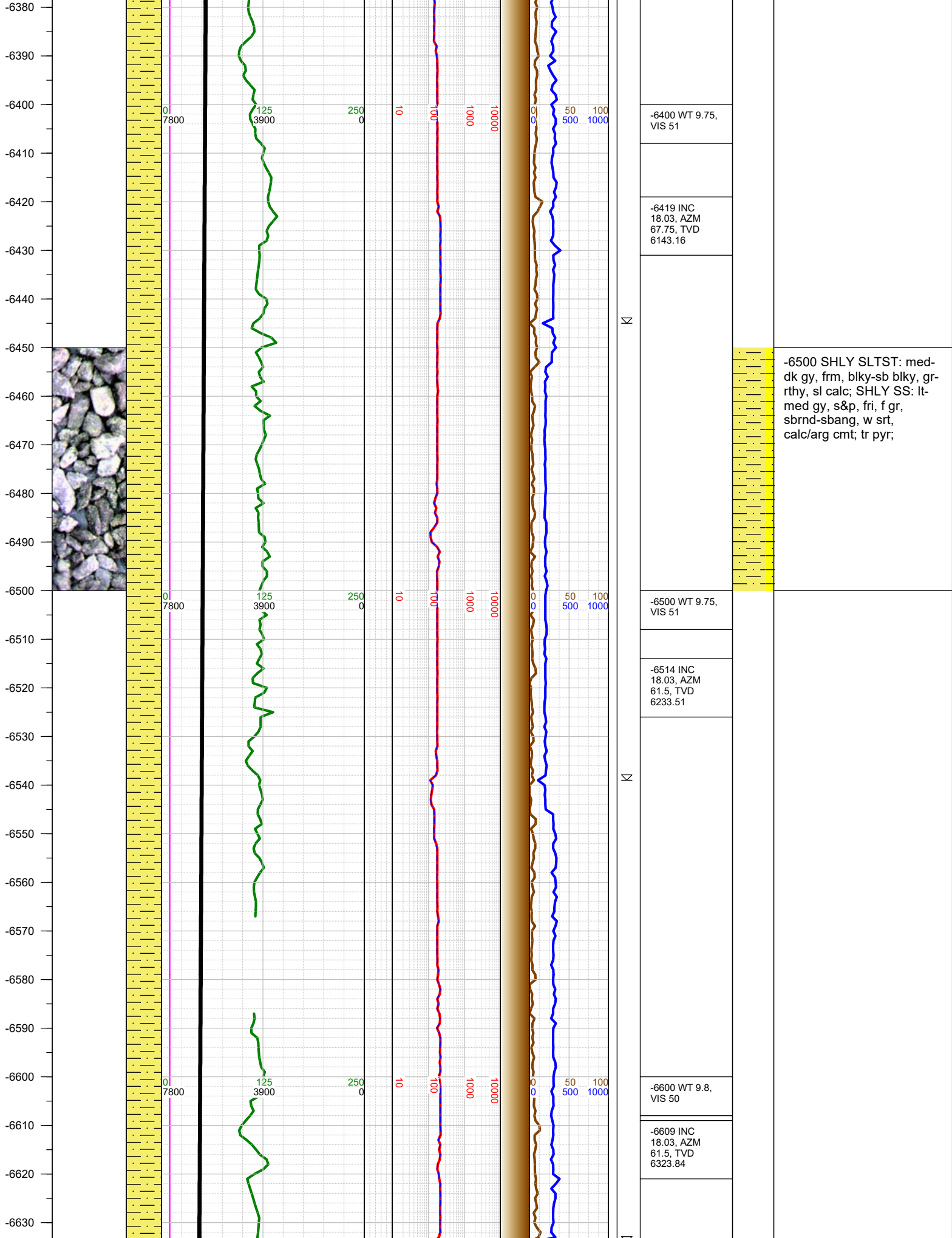
LEGEND

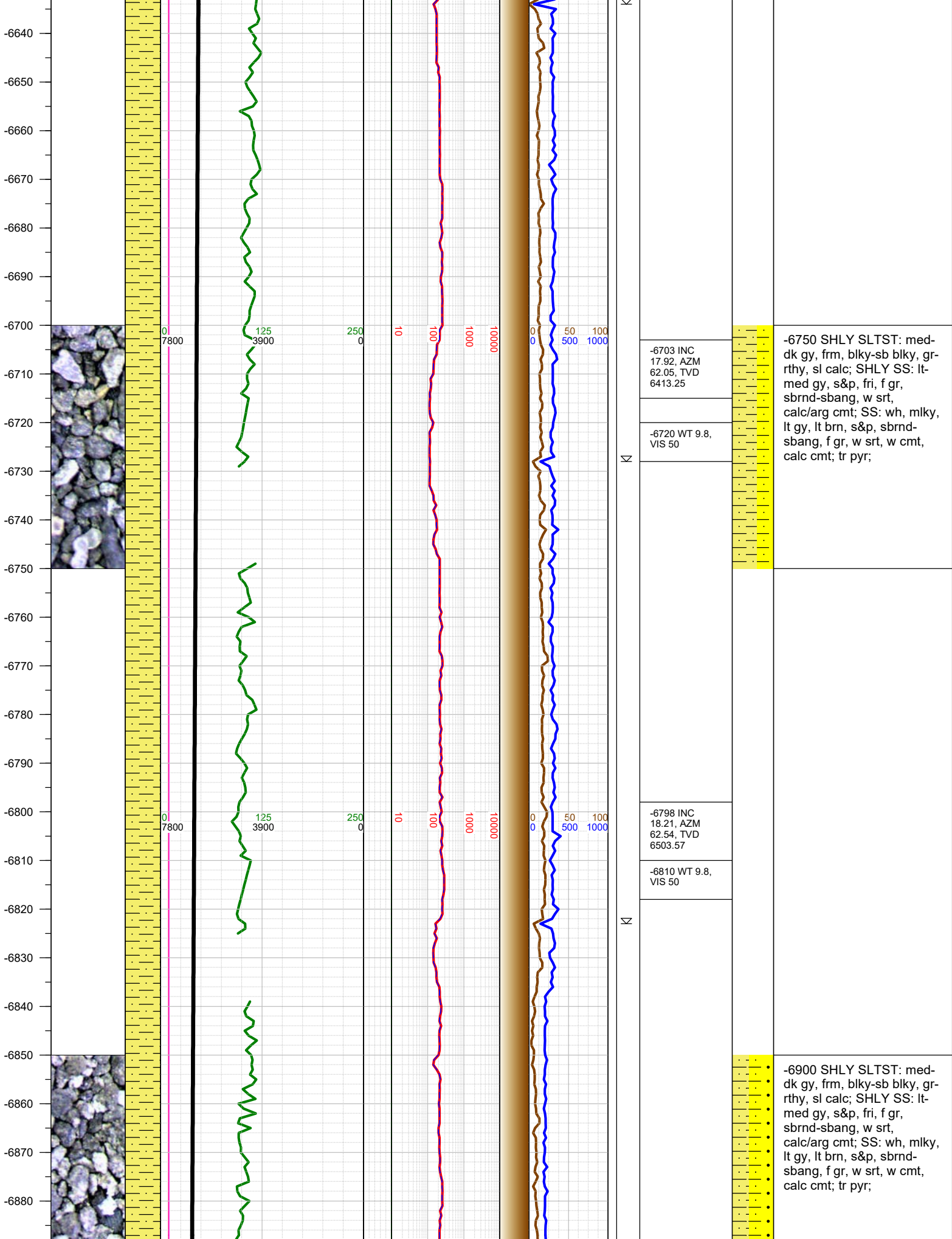
	CHALK		SHALE
	LIMESTONE		SILTY SHALE
	SHALY LIMESTONE		SHALY SILTSTONE
	MARLSTONE		SHALY SANDSTONE
	CALCAREOUS SHALE		SANDSTONE
	DOLOMITE		ANHYDRITE

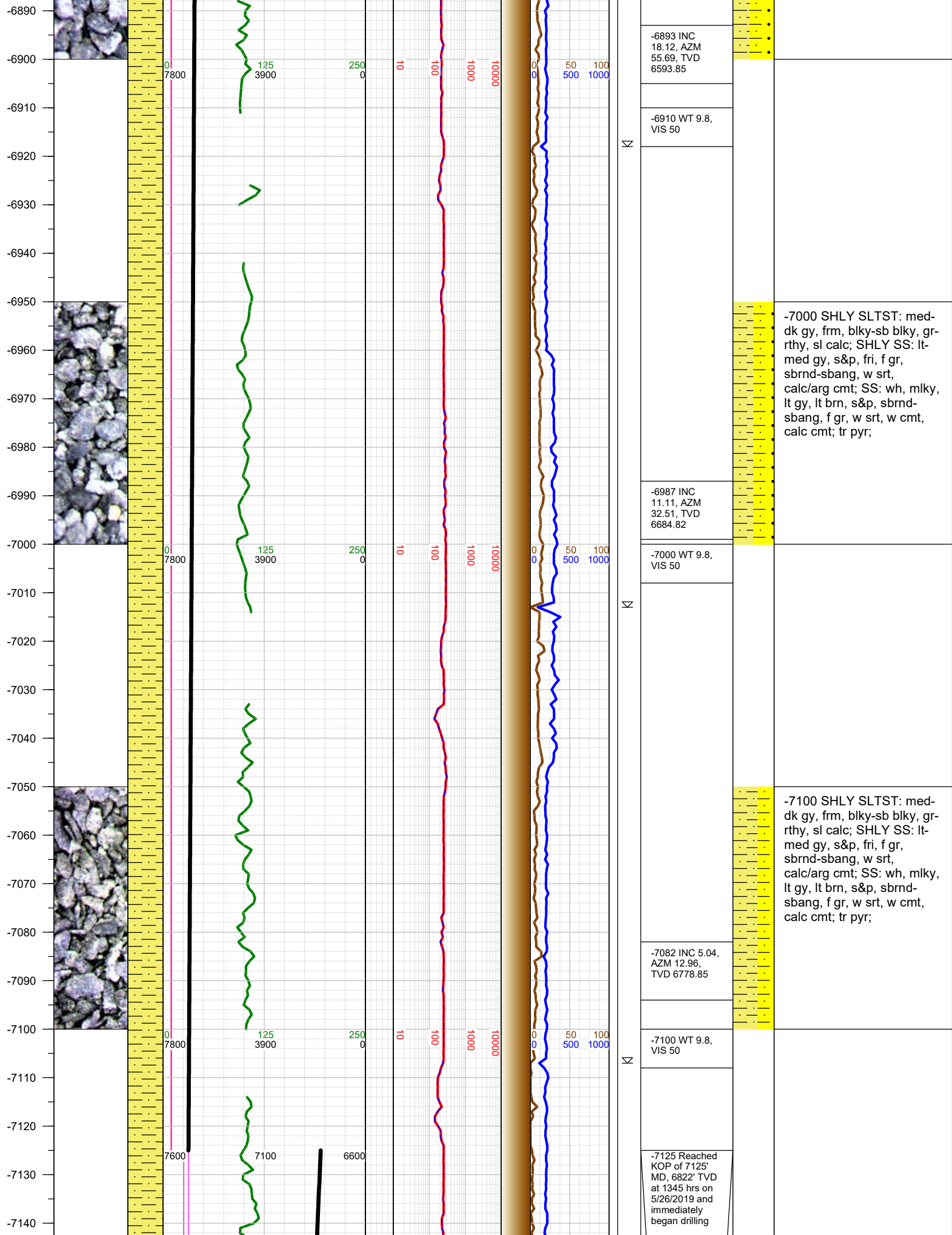
FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

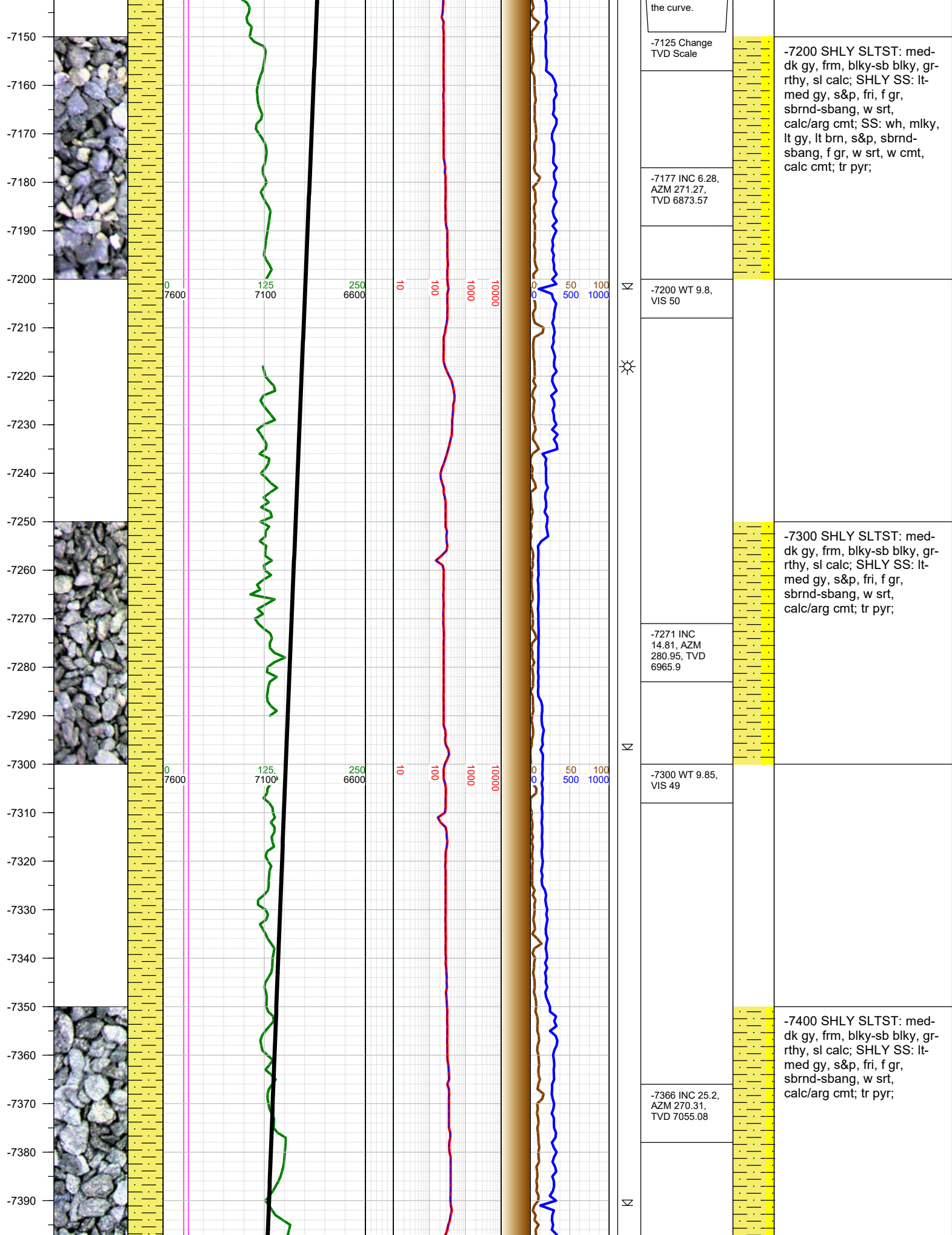


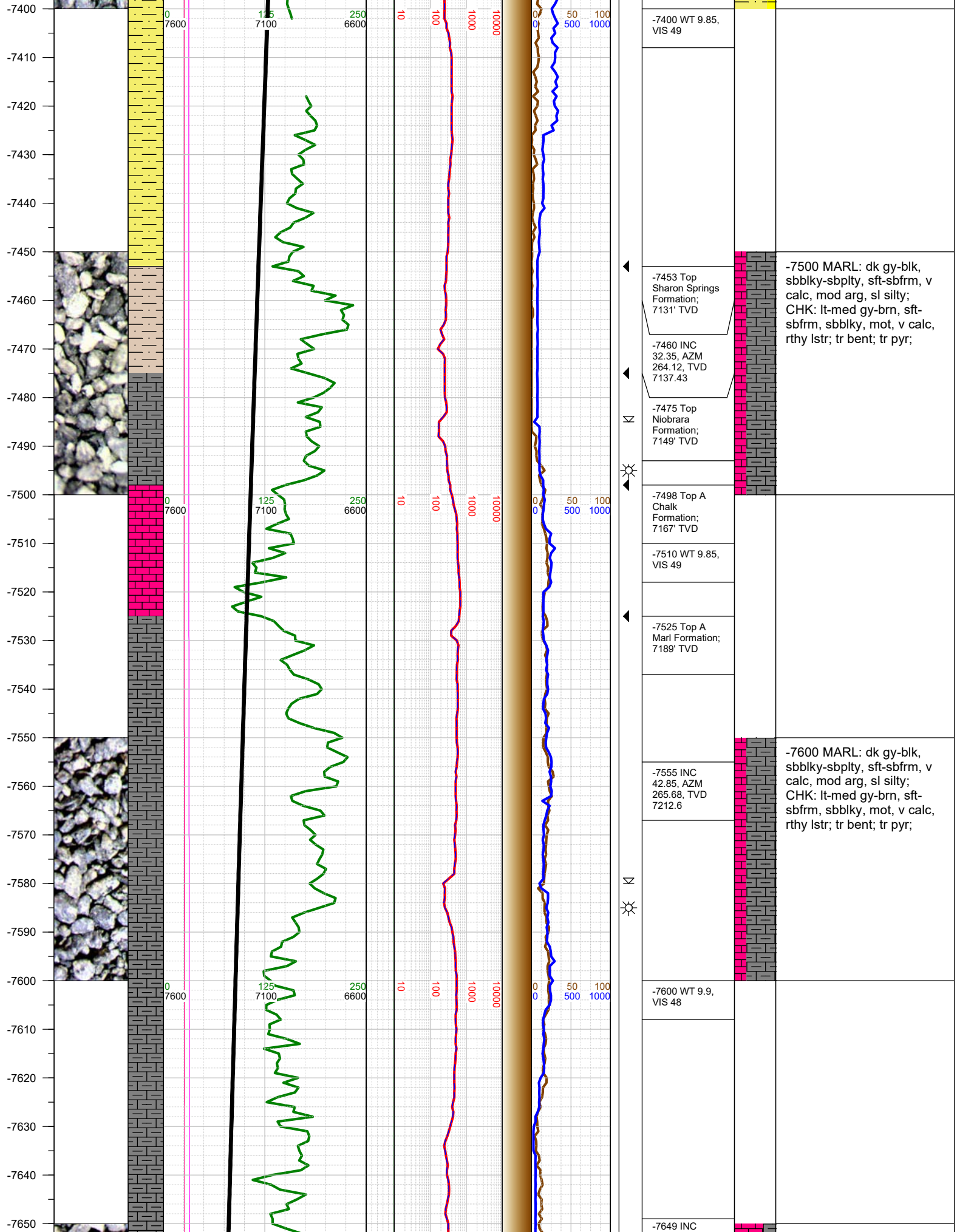


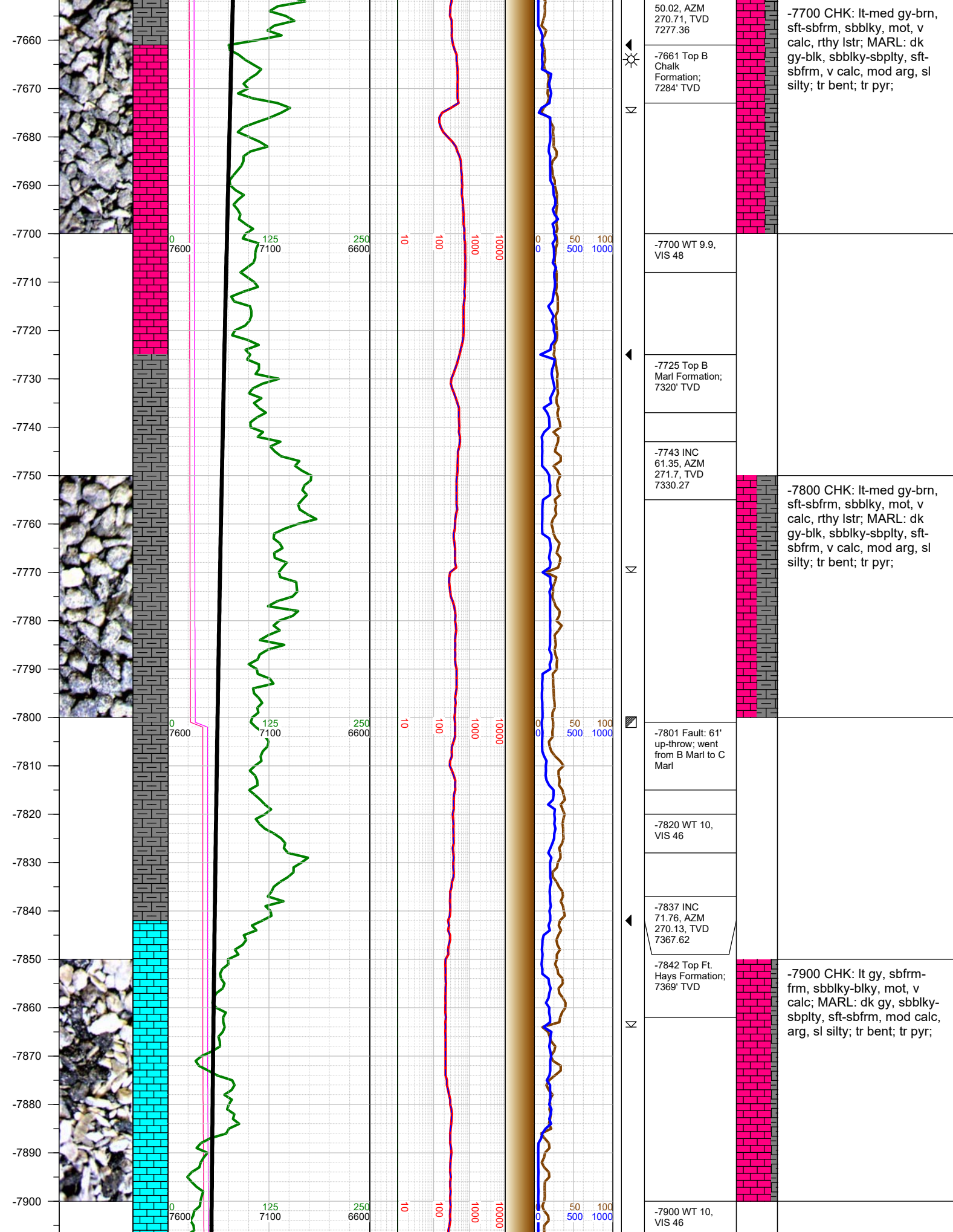




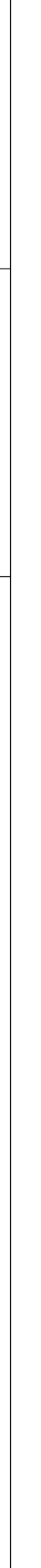
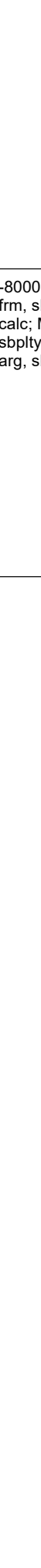
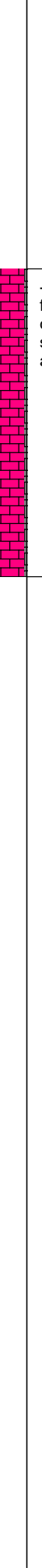
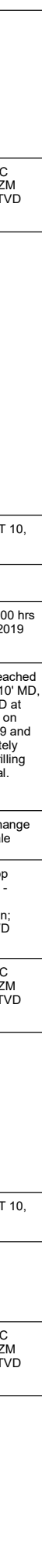
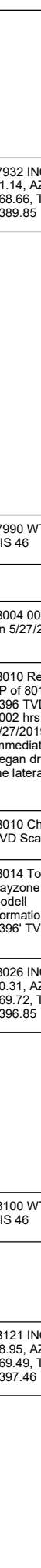
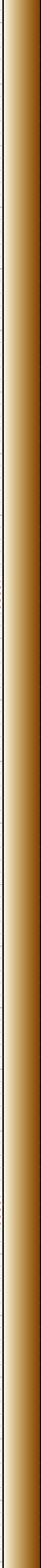
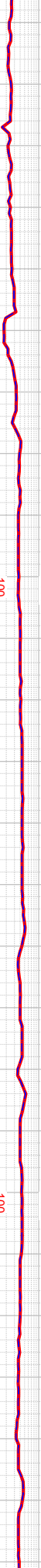
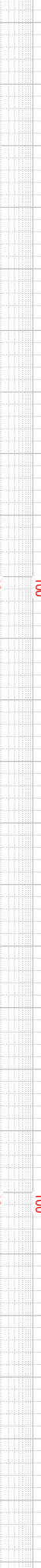
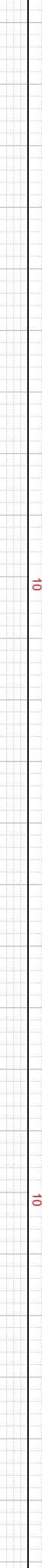
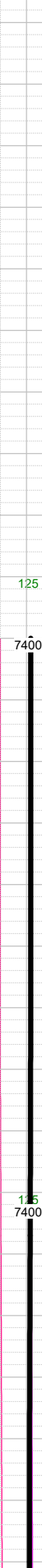
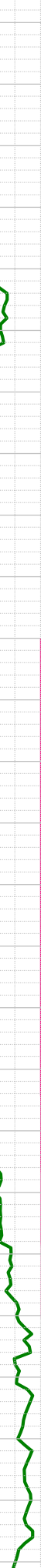








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-8100
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-8150
-8160



-7932 INC
81.14, AZM
268.66, TVD
7389.85

-7990 WT 10,
VIS 46

-8004 0000 hrs
on 5/27/2019

-8010 Reached
LP of 8010' MD,
7396 TVD at
0002 hrs on
5/27/2019 and
immediately
began drilling
the lateral.

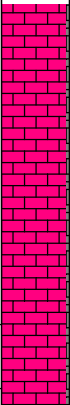
-8010 Change
TVD Scale

-8014 Top
Payzone -
Codell
Formation;
7396' TVD

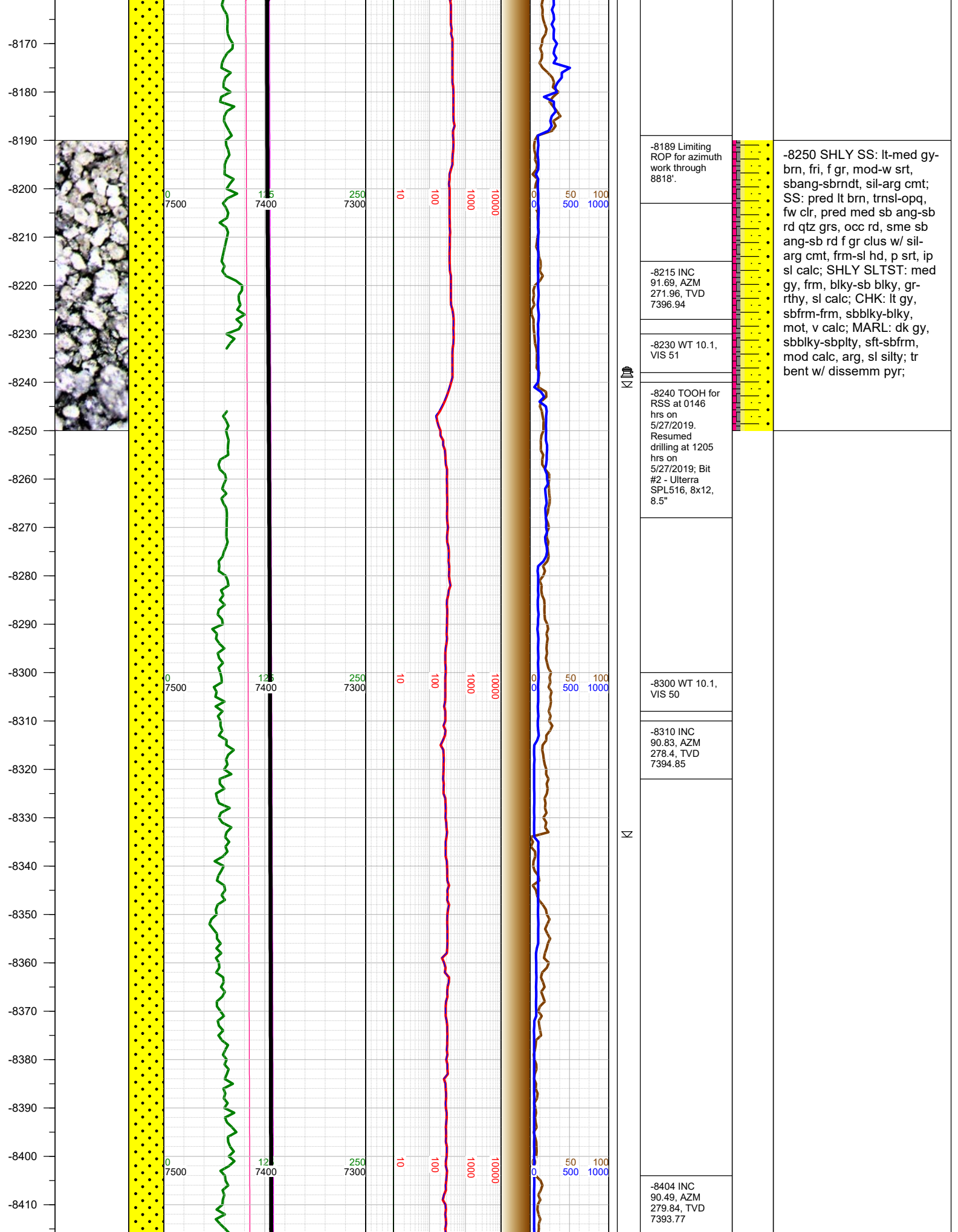
-8026 INC
90.31, AZM
269.72, TVD
7396.85

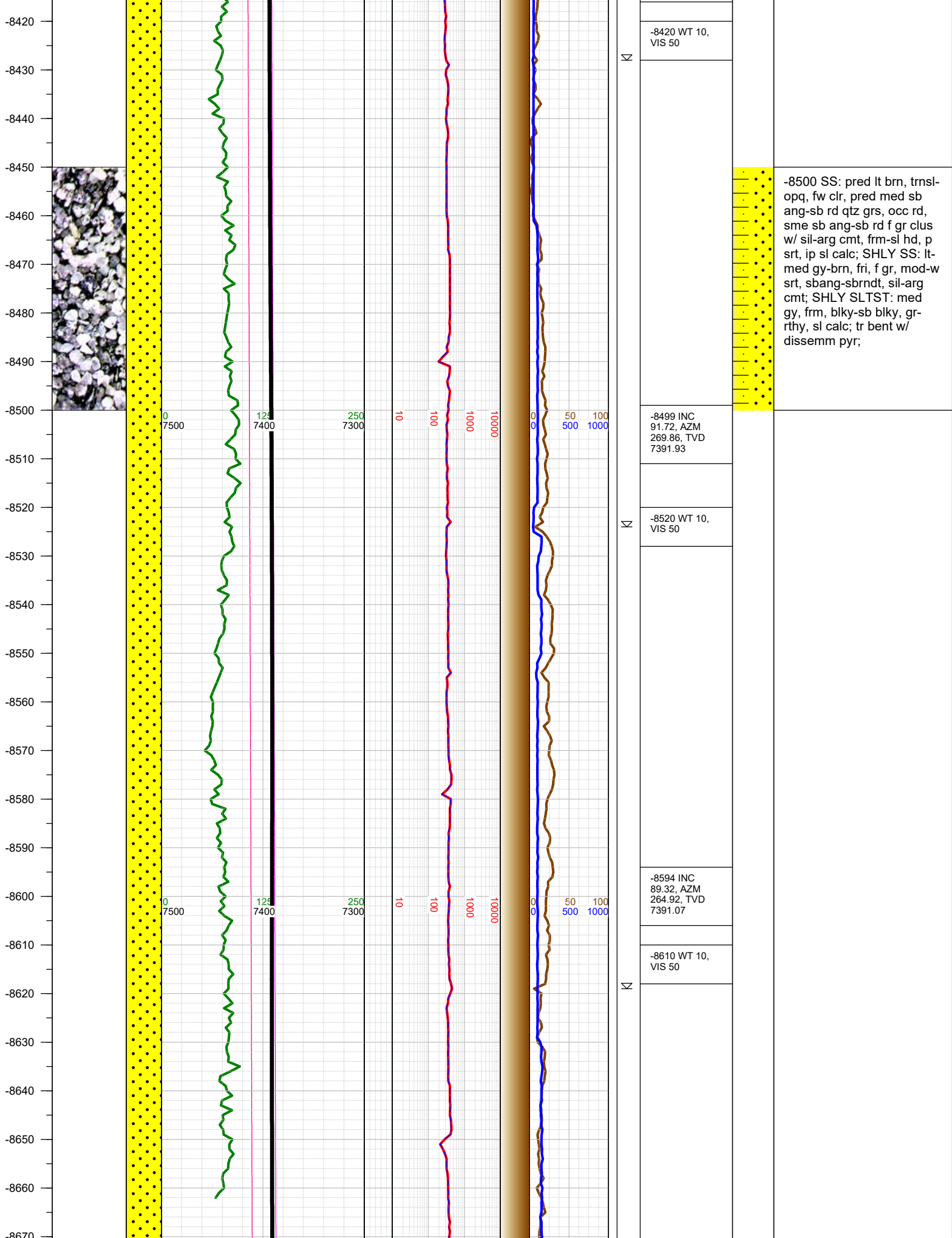
-8100 WT 10,
VIS 46

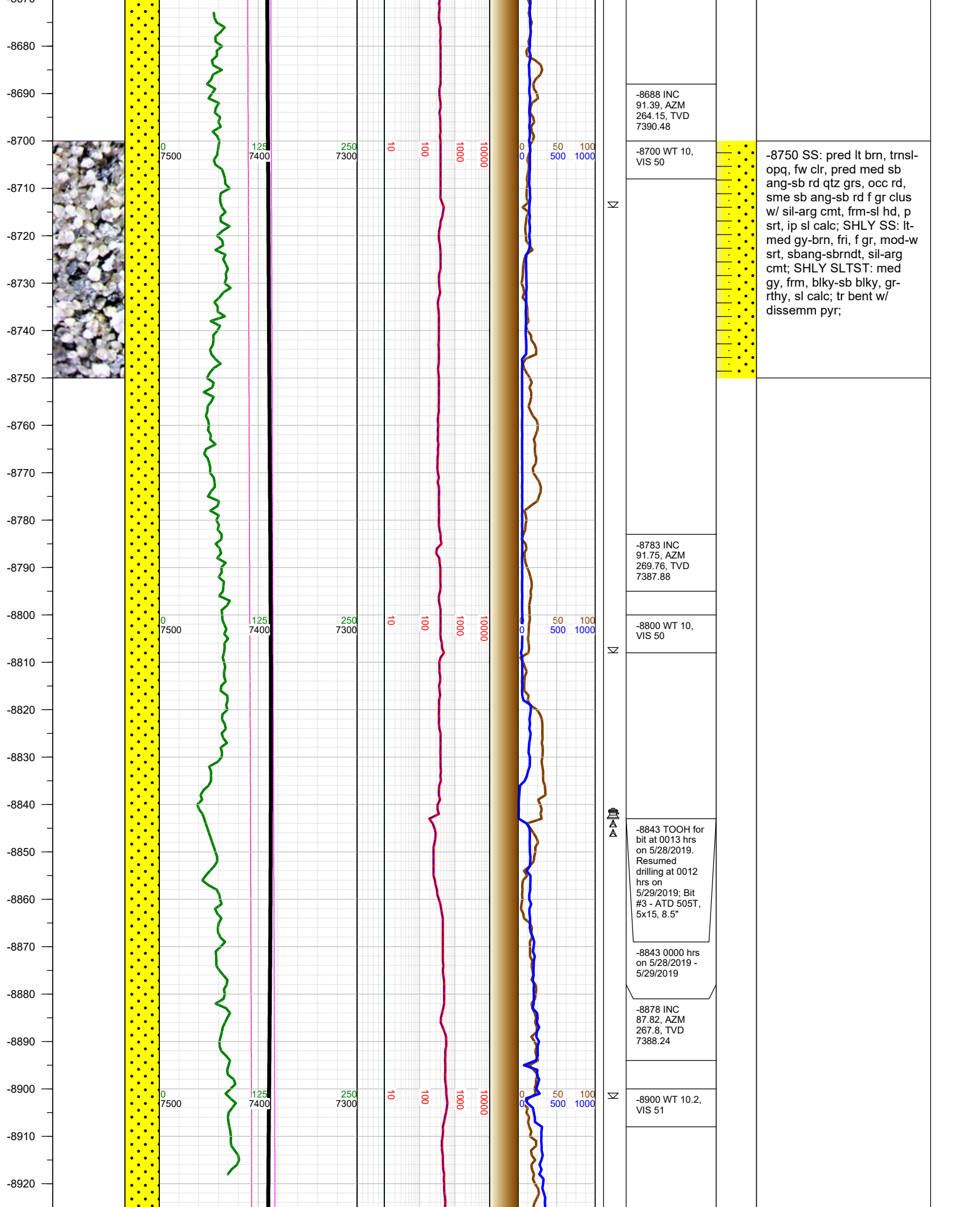
-8121 INC
88.95, AZM
269.49, TVD
7397.46

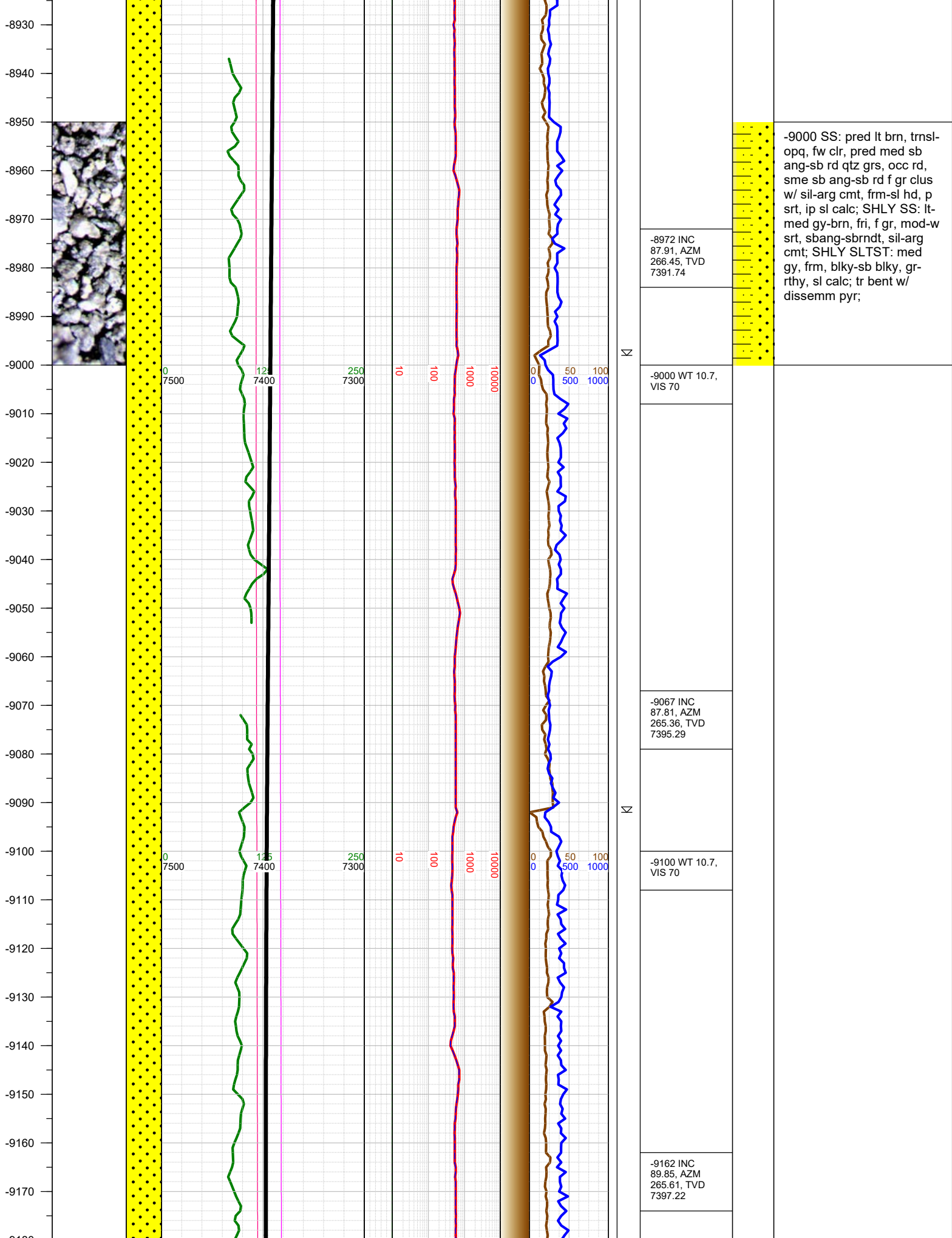


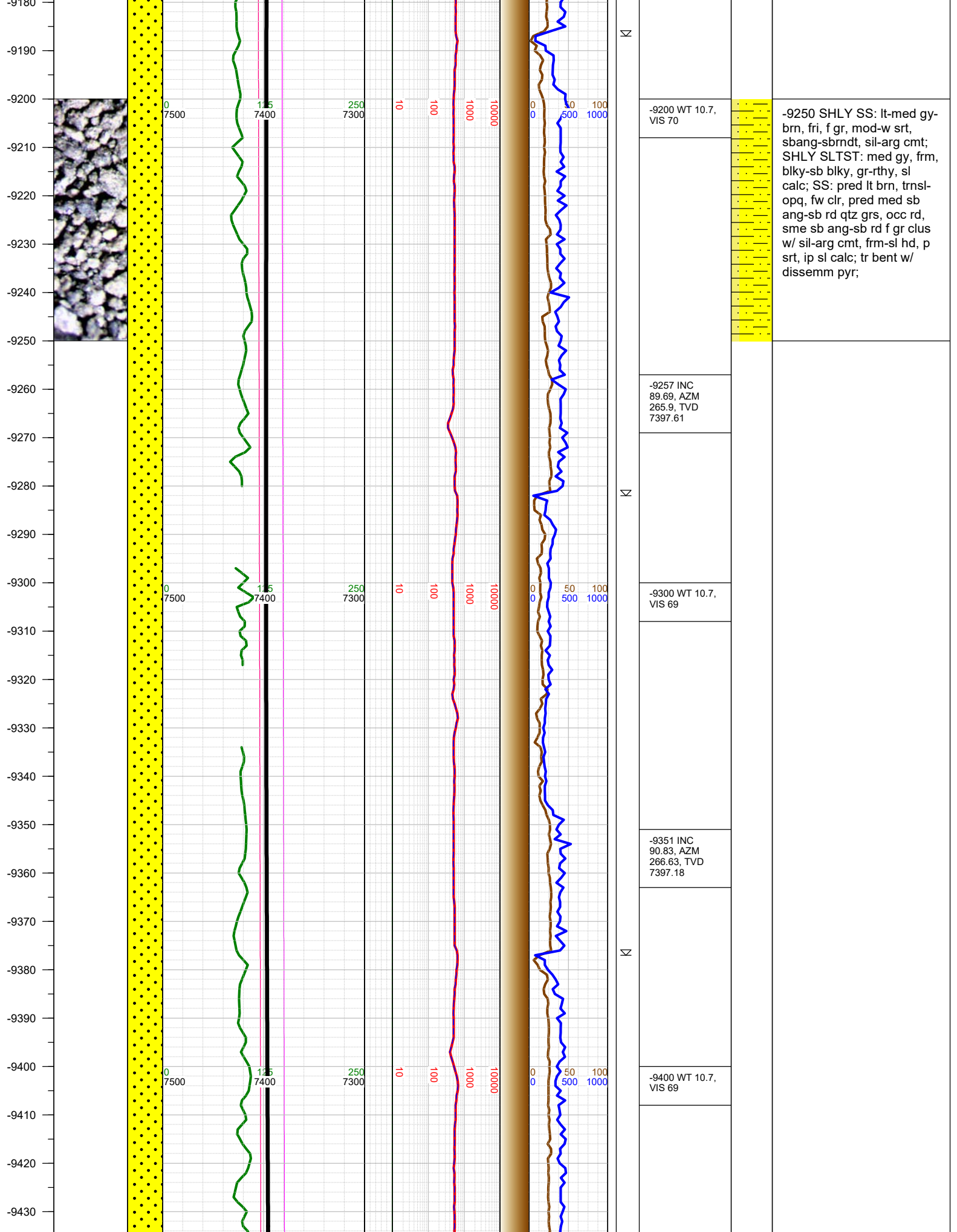
-8000 CHK: lt gy, sbfrm-
frm, sbblky-blky, mot, v
calc; MARL: dk gy, sbblky-
sbplty, sft-sbfrm, mod calc,
arg, sl silty; tr bent; tr pyr;

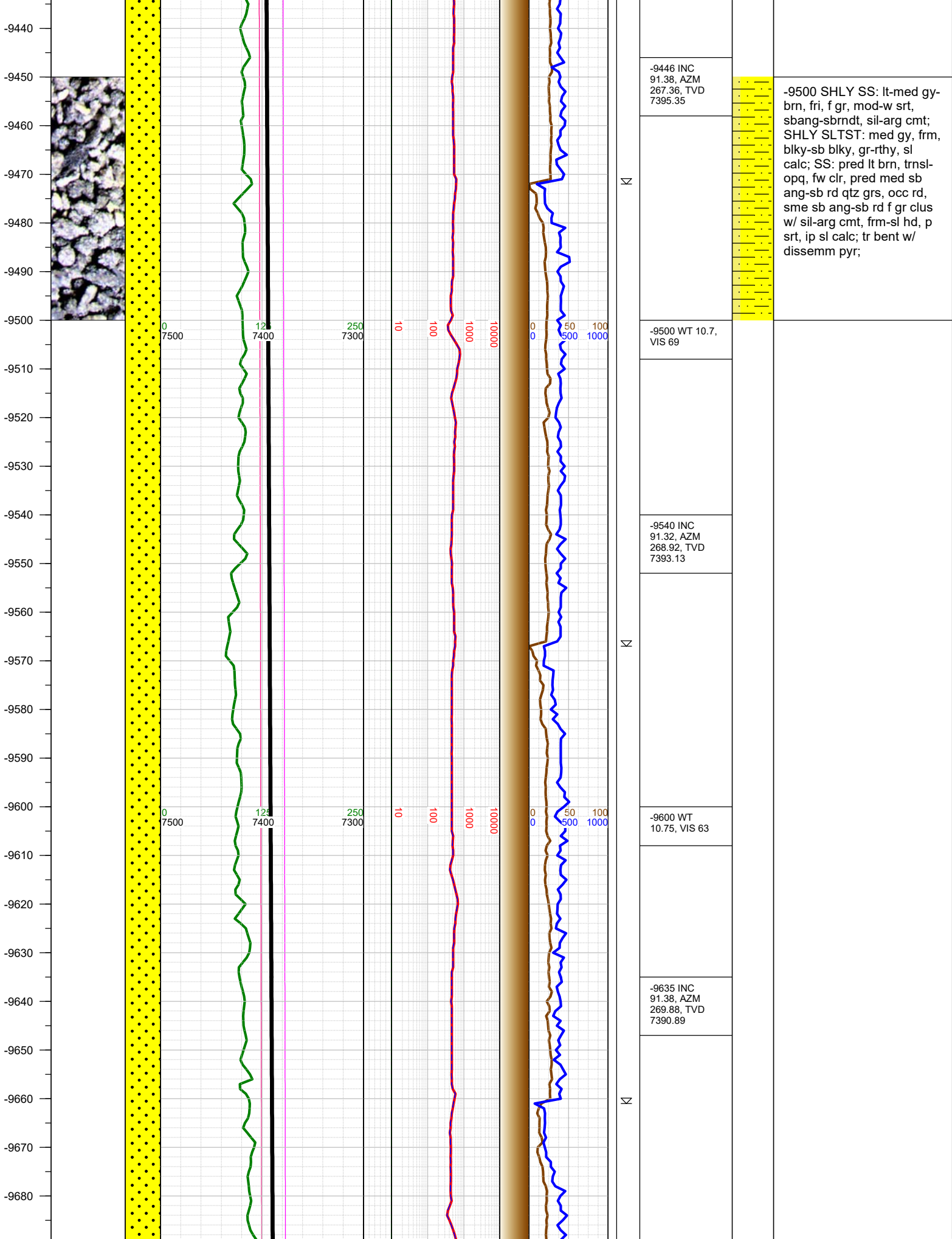


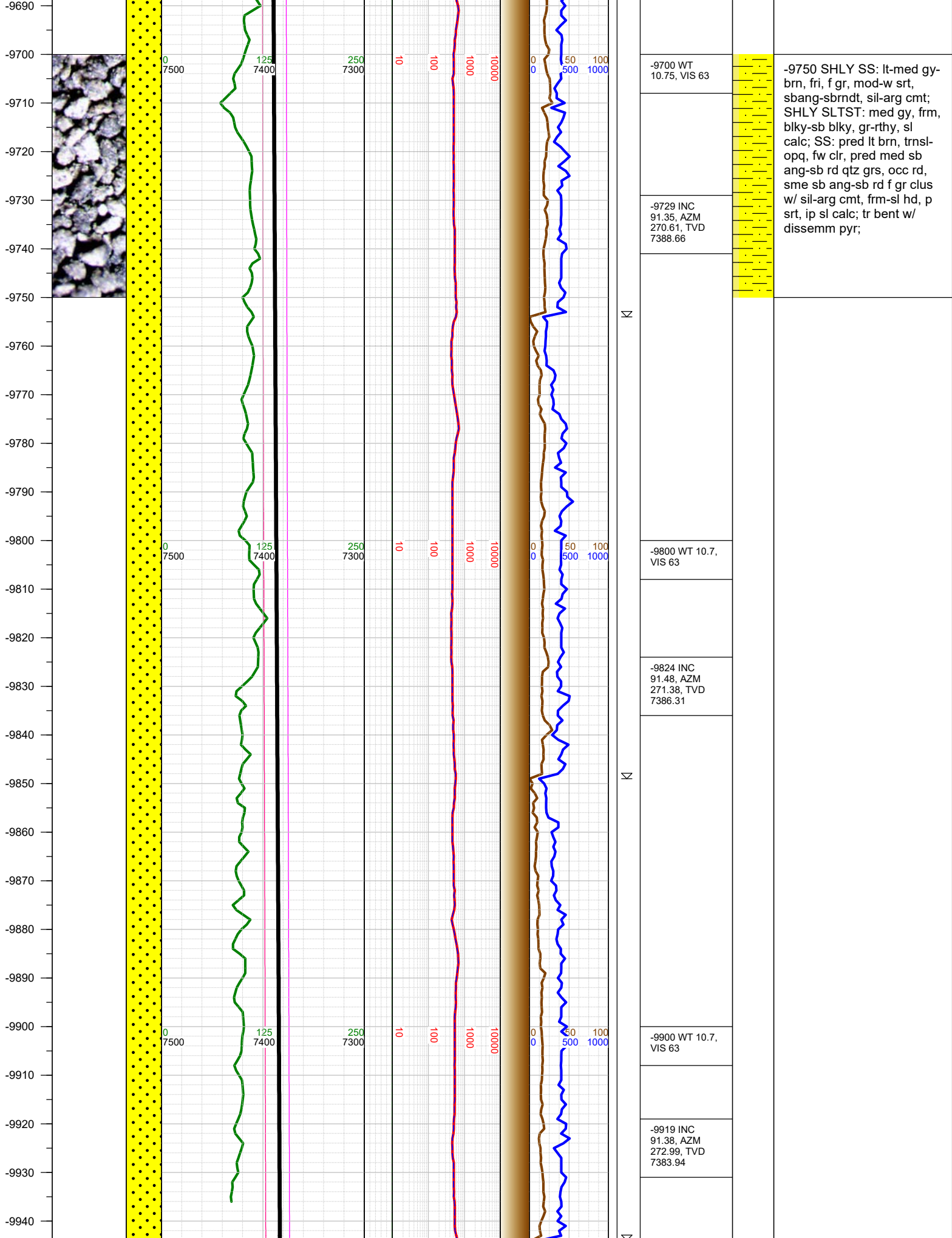


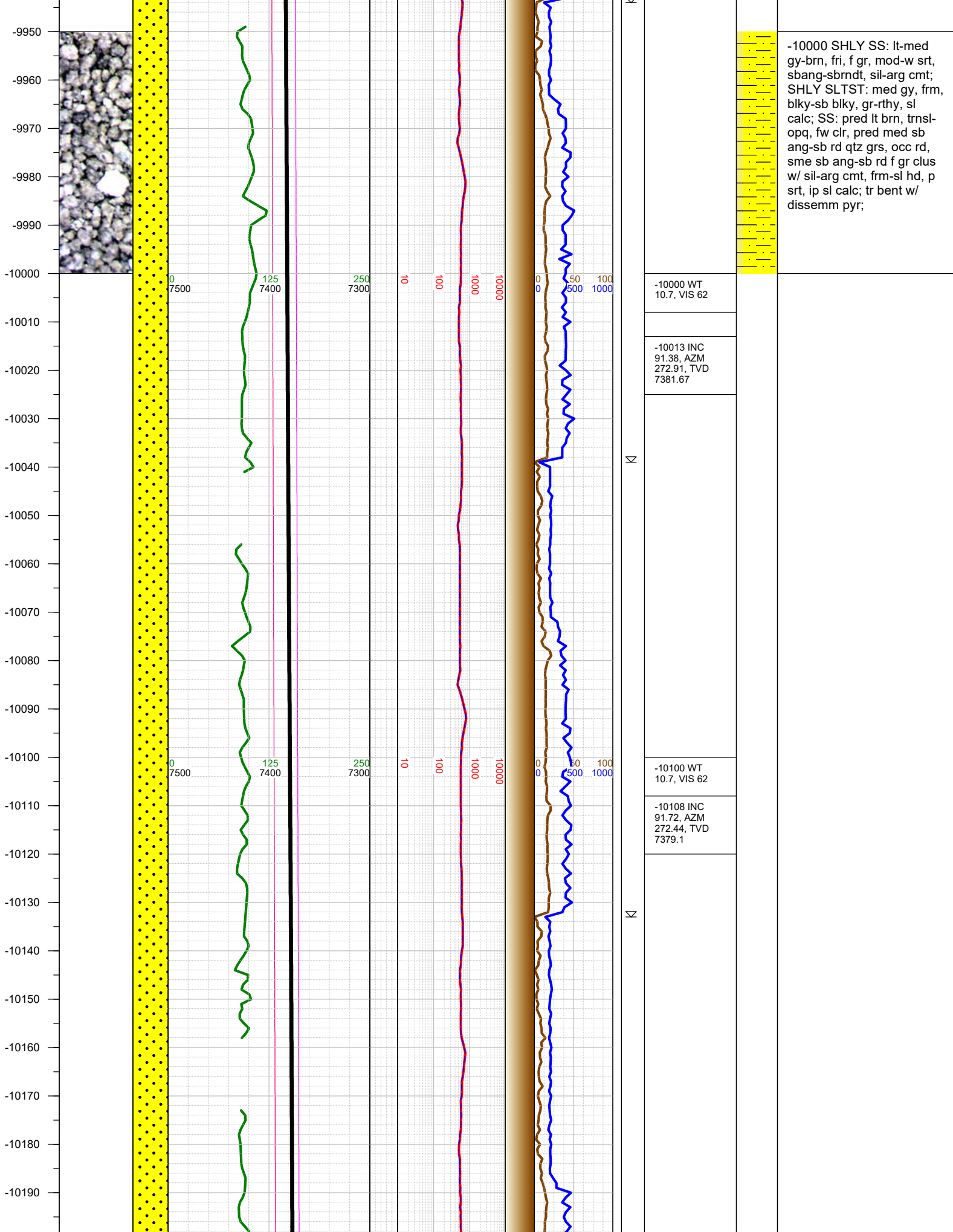




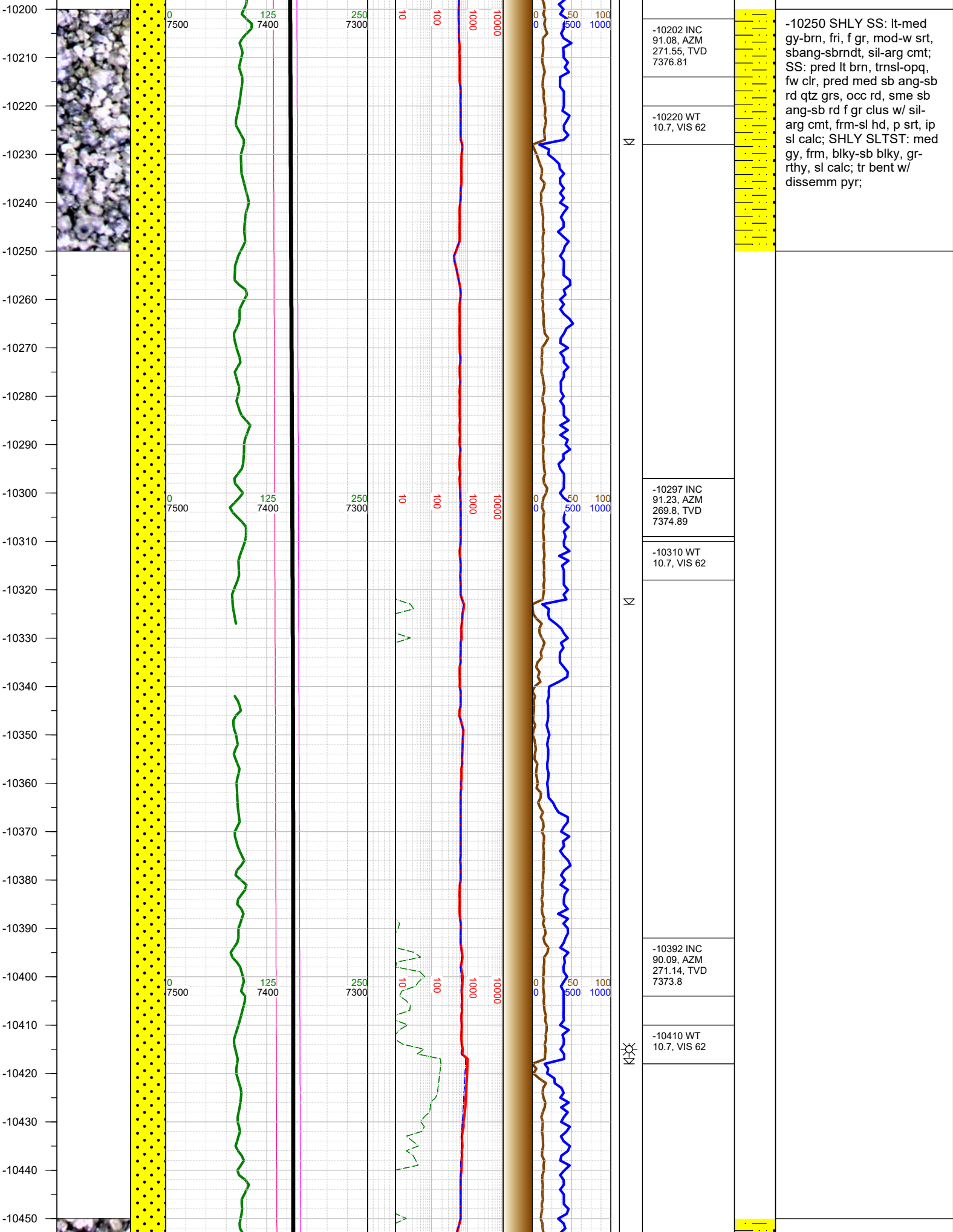


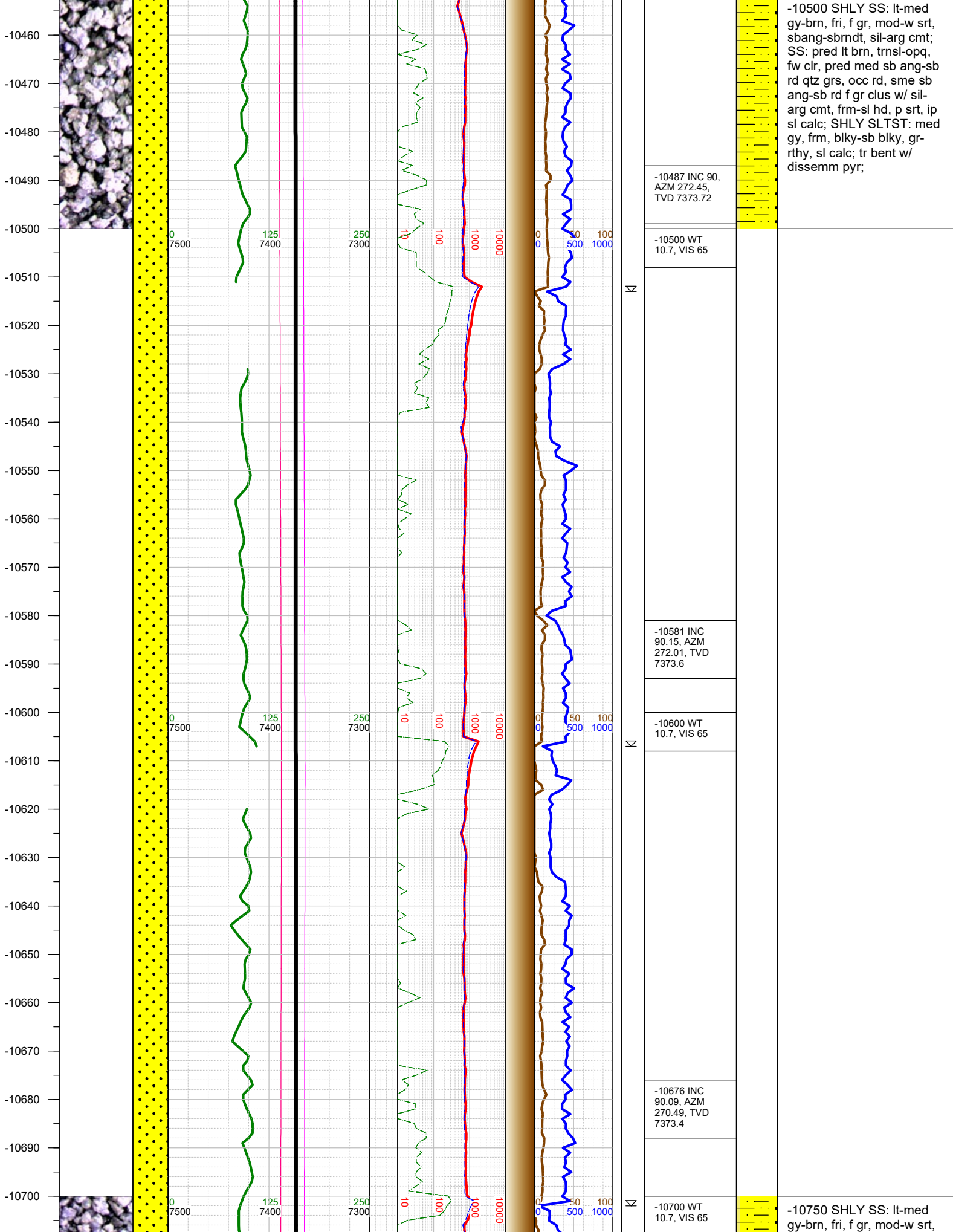


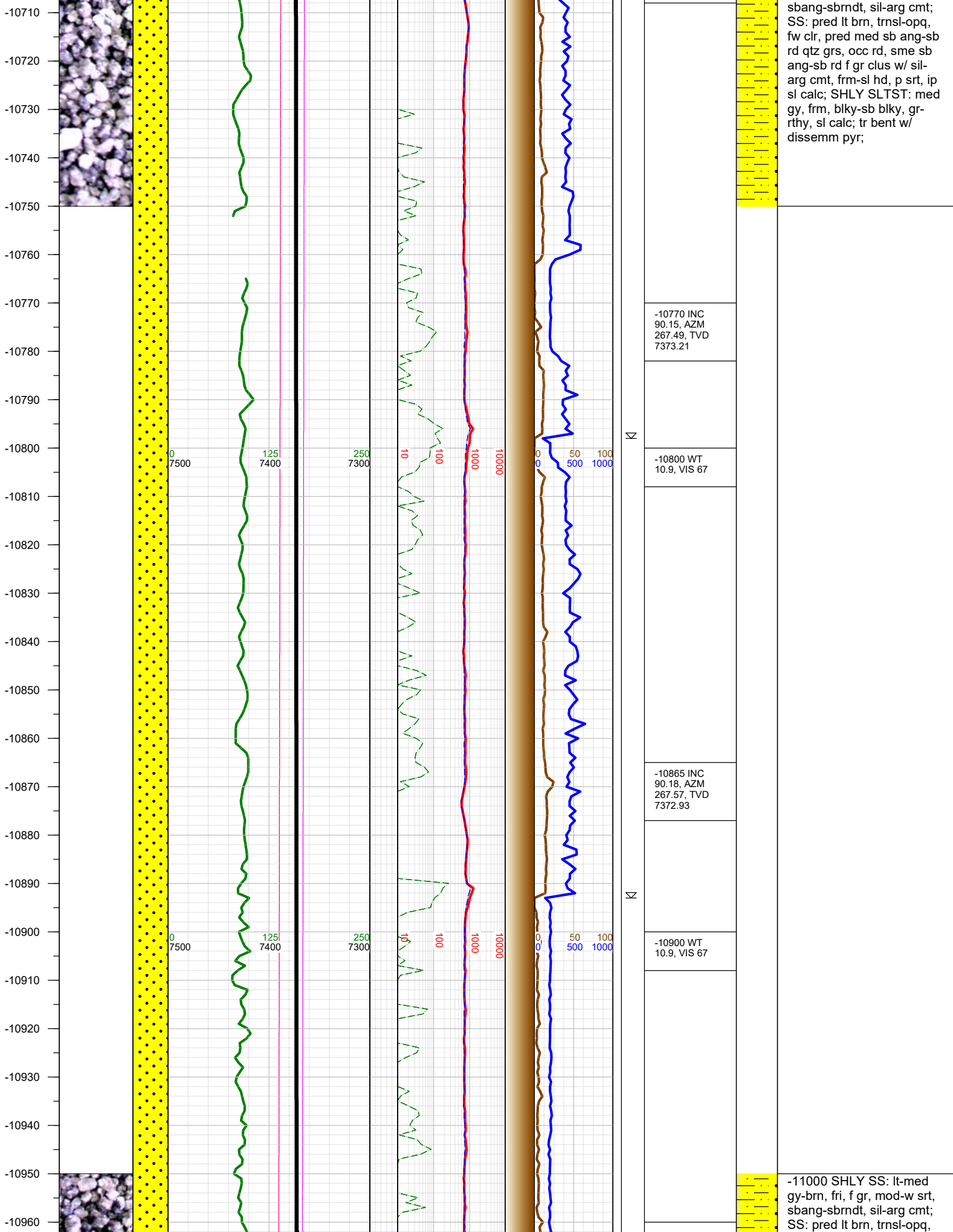




-10000 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SHLY SLTST: med gy, frm, blk-sb blk, gr-rthy, sl calc; SS: pred lt brn, trns-opq, fw clr, pred med sb ang-sb rd qtz grs, occ rd, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; tr bent w/ dissem pyr;

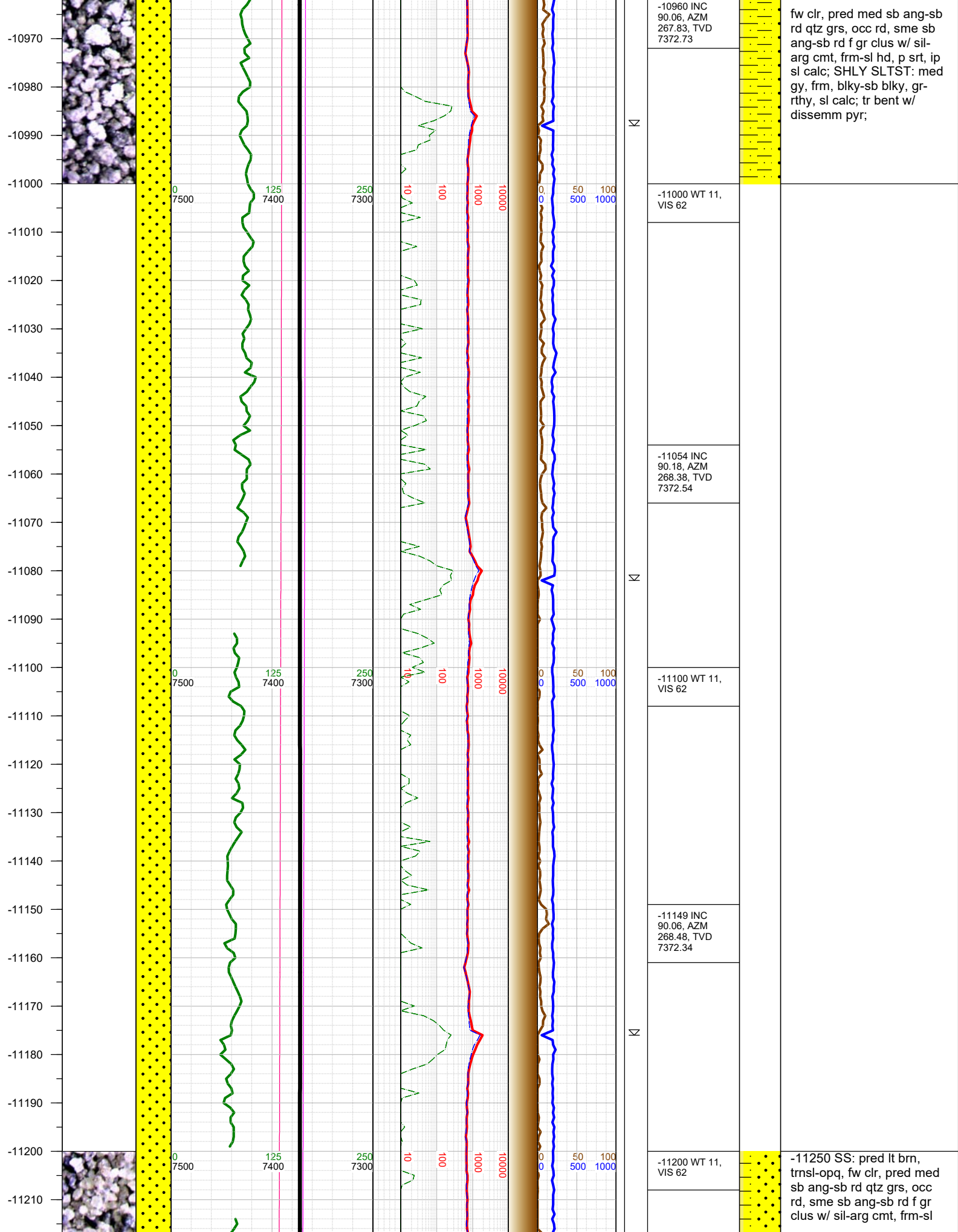


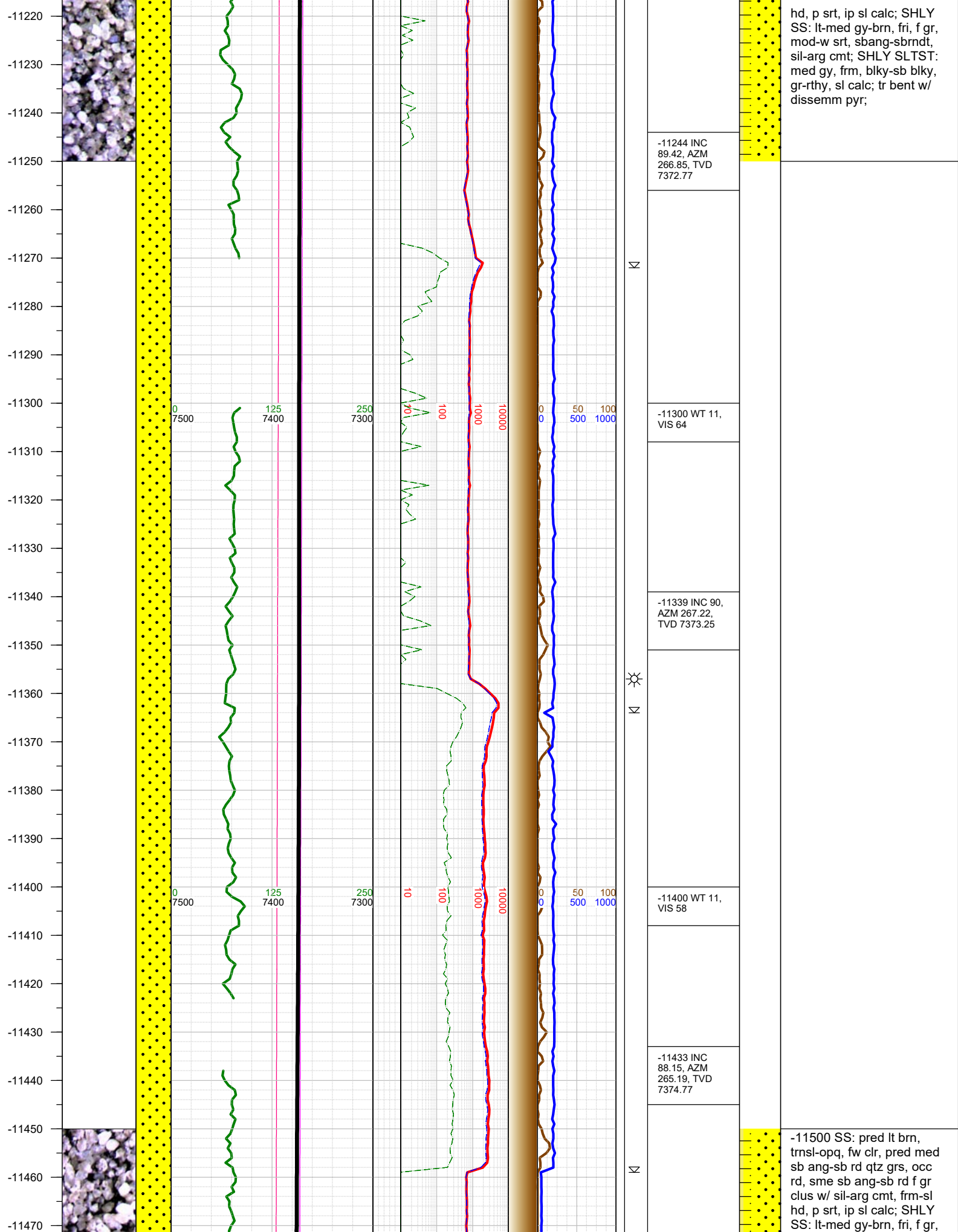


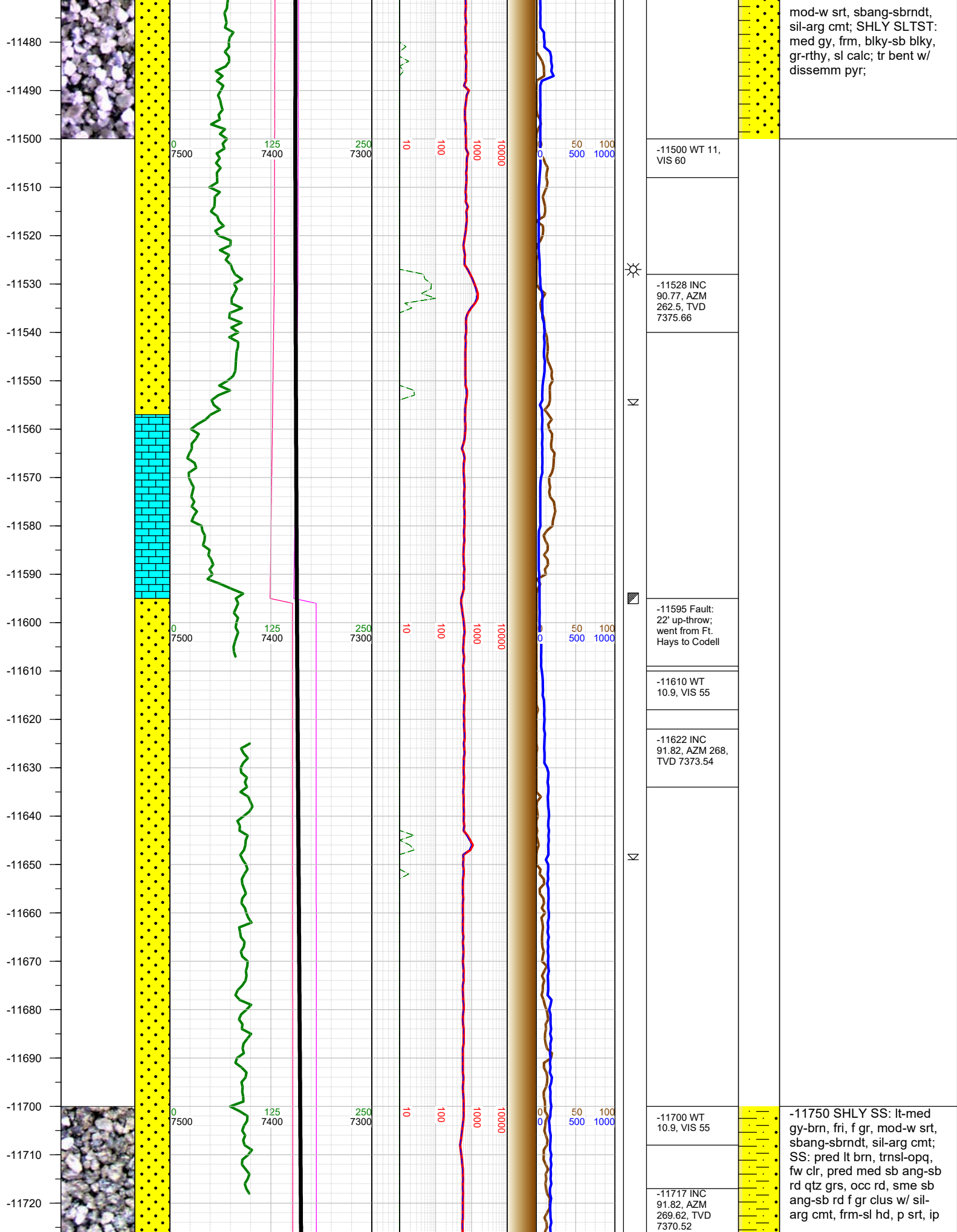


sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, trns-l-opq,
fw clr, pred med sb ang-sb
rd qtz grs, occ rd, sme sb
ang-sb rd f gr clus w/ sil-
arg cmt, frm-sl hd, p srt, ip
sl calc; SHLY SLTST: med
gy, frm, blk-sb blk, gr-
rthy, sl calc; tr bent w/
dissemm pyr;

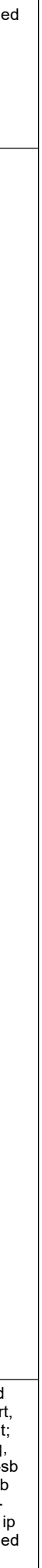
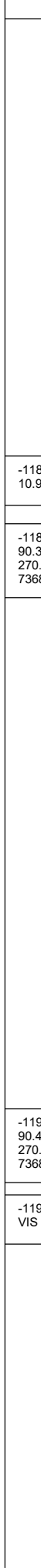
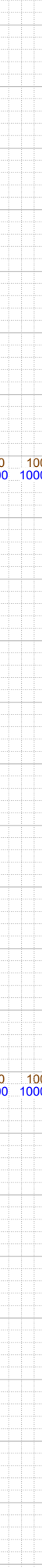
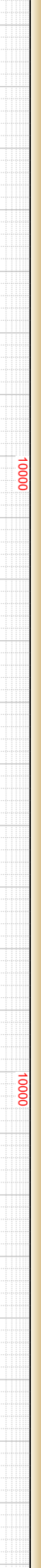
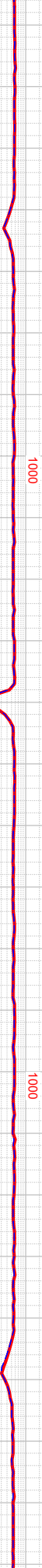
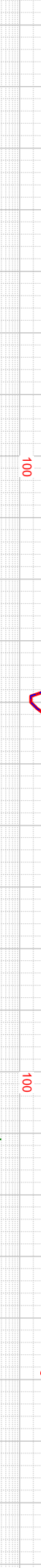
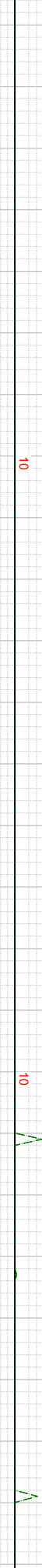
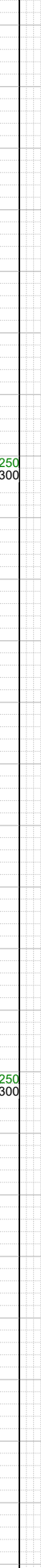
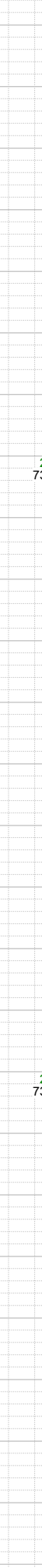
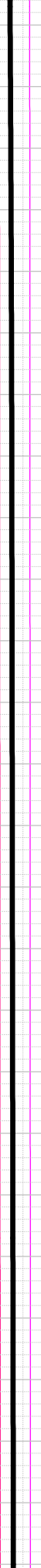
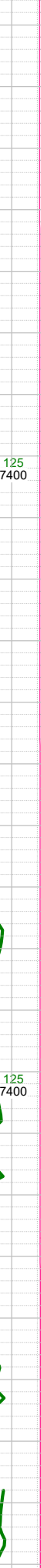
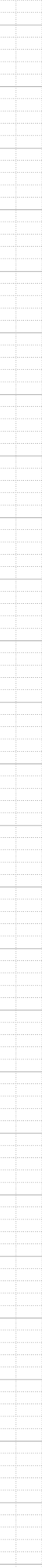
-11000 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, trns-l-opq,





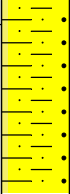


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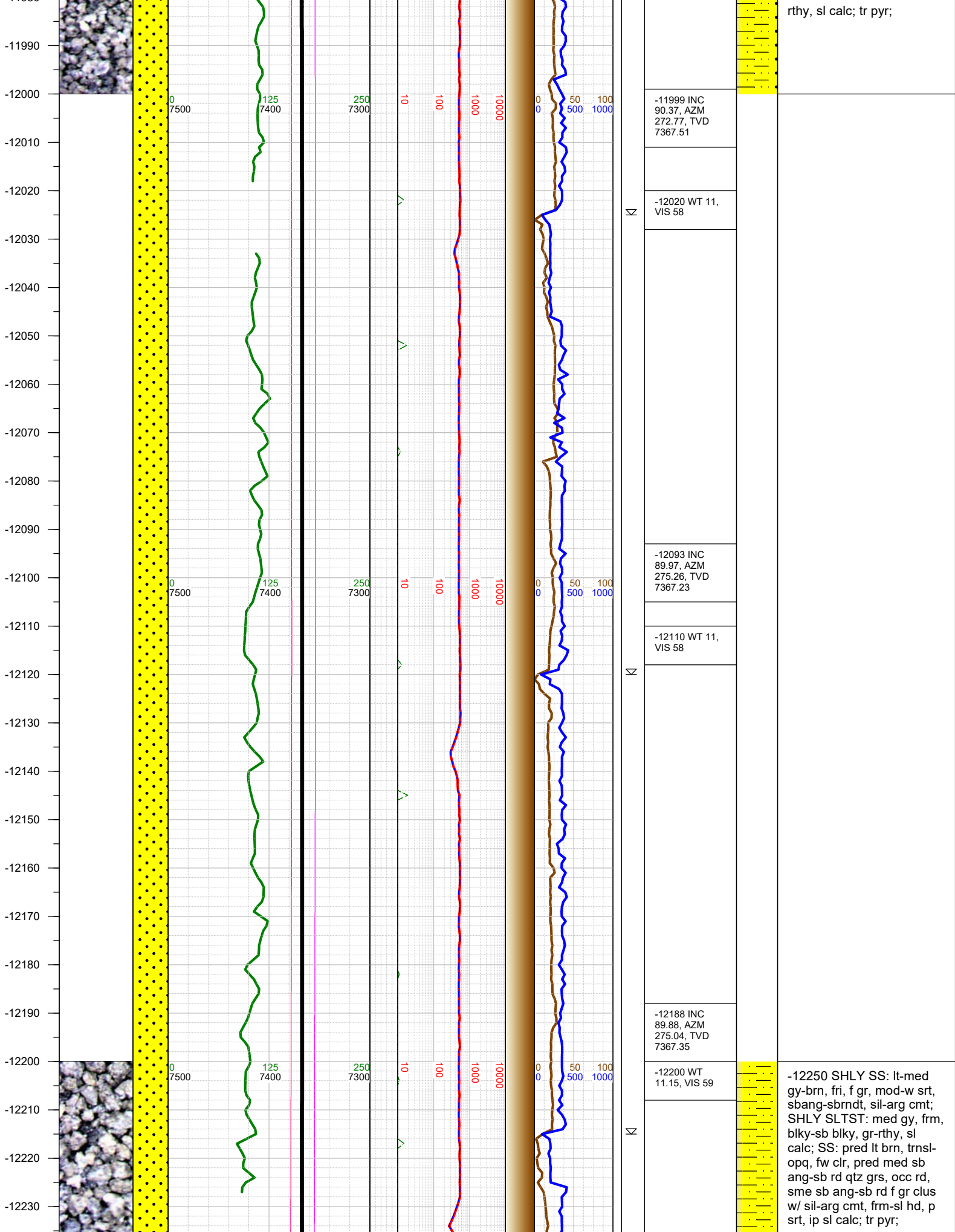
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-11800 WT 10.9, VIS 55	
-11811 INC 90.31, AZM 270.14, TVD 7368.77	
-11906 INC 90.43, AZM 270.67, TVD 7368.16	
-11920 WT 11, VIS 58	

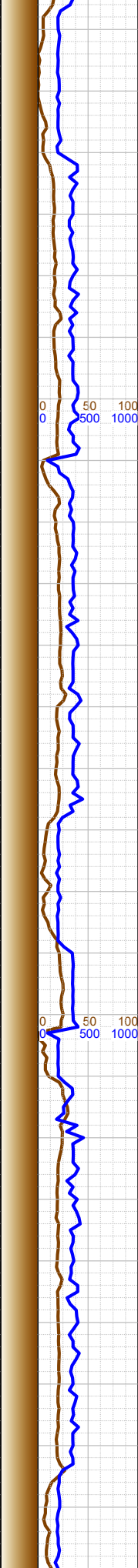
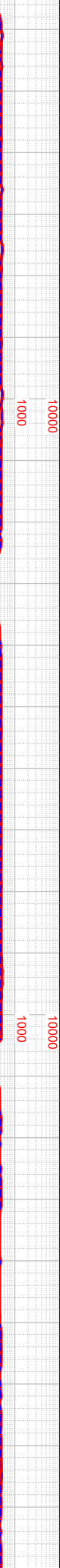
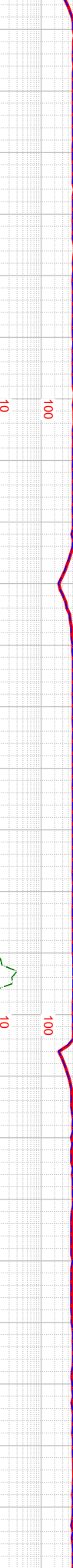
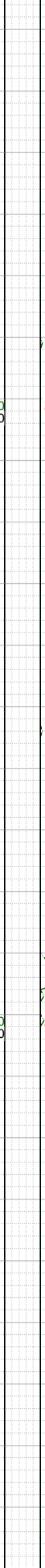
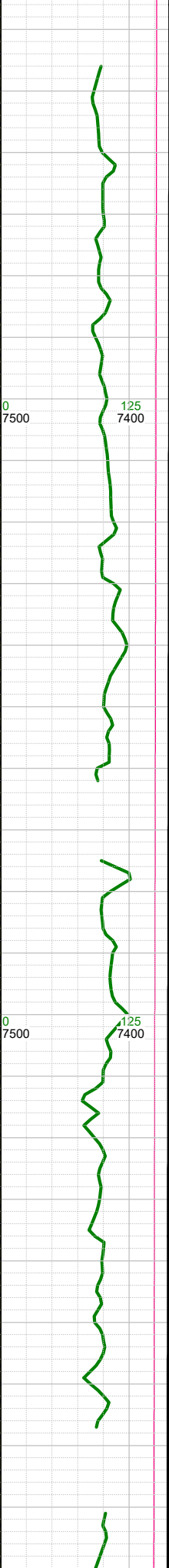
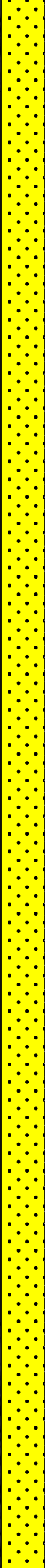
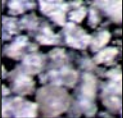


sl calc; SHLY SLTST: med
gy, frm, blk-sb blk, gr-
rthy, sl calc; tr pyr;

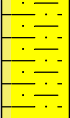
-12000 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, trns-opq,
fw clr, pred med sb ang-sb
rd qtz grs, occ rd, sme sb
ang-sb rd f gr clus w/ sil-
arg cmt, frm-sl hd, p srt, ip
sl calc; SHLY SLTST: med
gy, frm, blk-sb blk, gr-



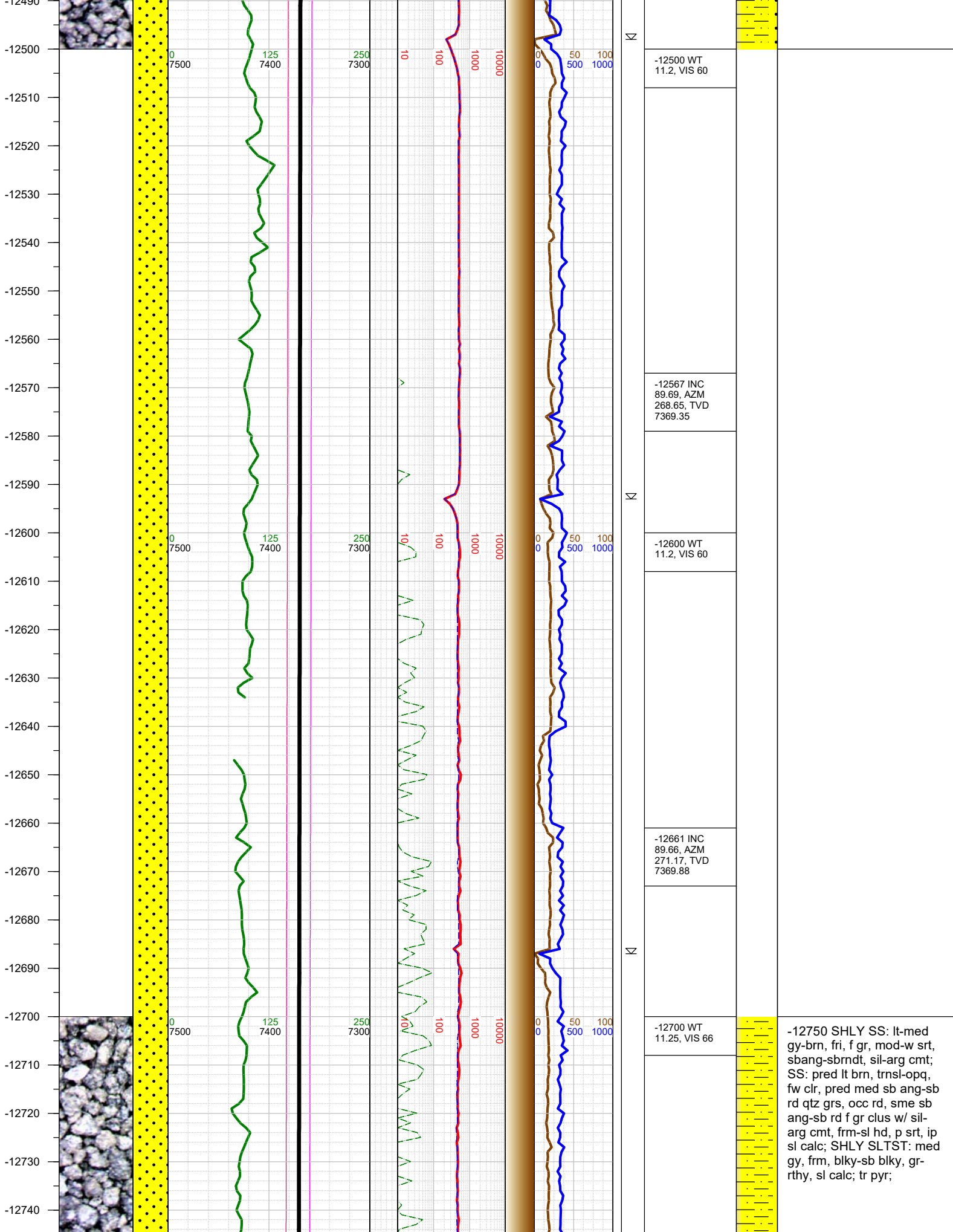
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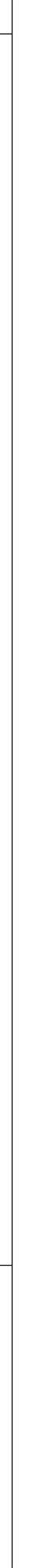
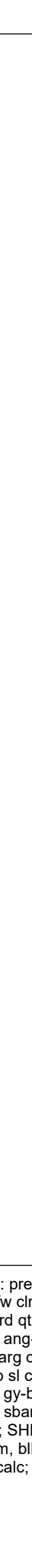
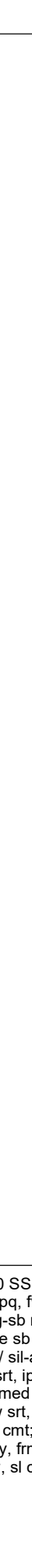
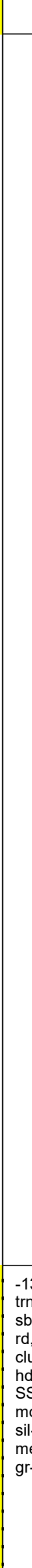
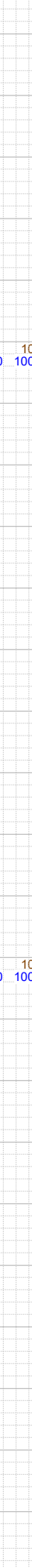
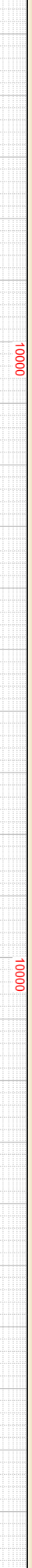
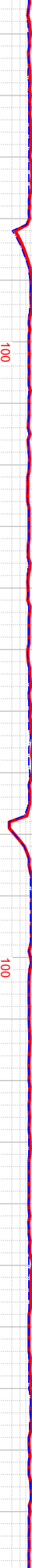
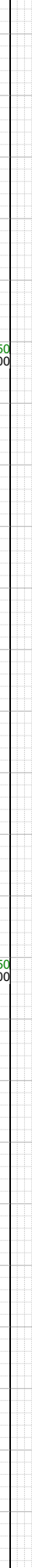
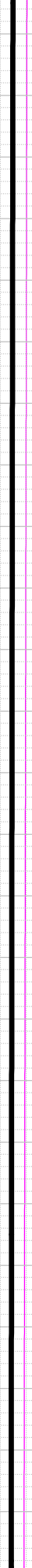
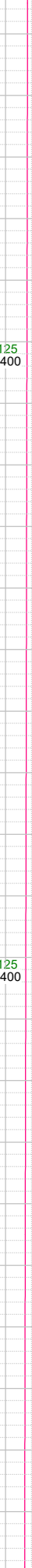
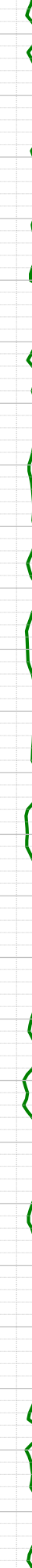
-12282 INC 89.75, AZM 274.27, TVD 7367.66	
-12300 WT 11.2, VIS 60	
-12377 INC 89.57, AZM 271.19, TVD 7368.22	
-12400 WT 11.2, VIS 60	
-12472 INC 89.69, AZM 268.27, TVD 7368.83	



-12500 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, trnsi-opq,
fw clr, pred med sb ang-sb
rd qtz grs, occ rd, 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;



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-12756 INC
89.6, AZM
269.65, TVD
7370.5

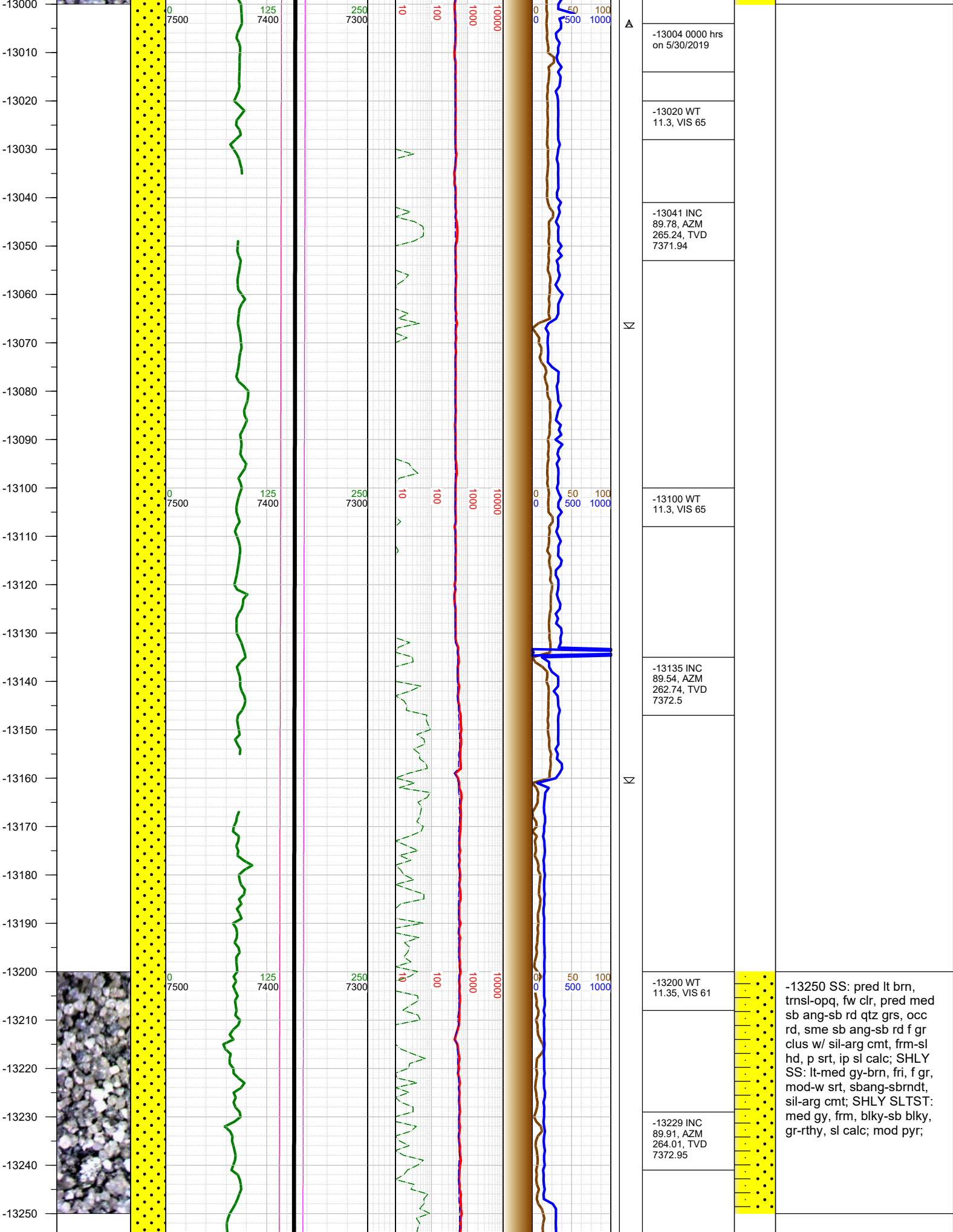
-12800 WT
11.25, VIS 66

-12851 INC
89.69, AZM
266.26, TVD
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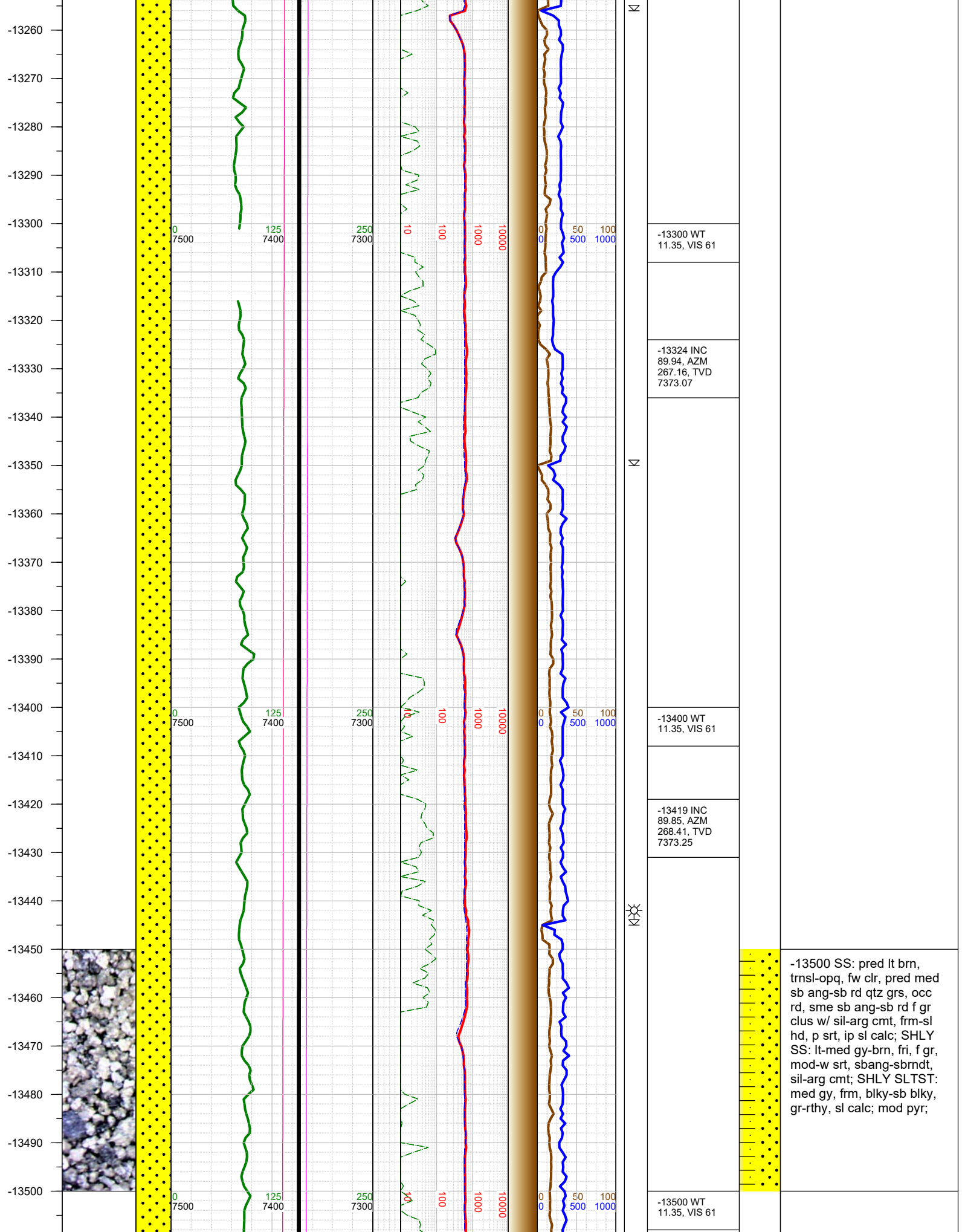
-12900 WT
11.25, VIS 66

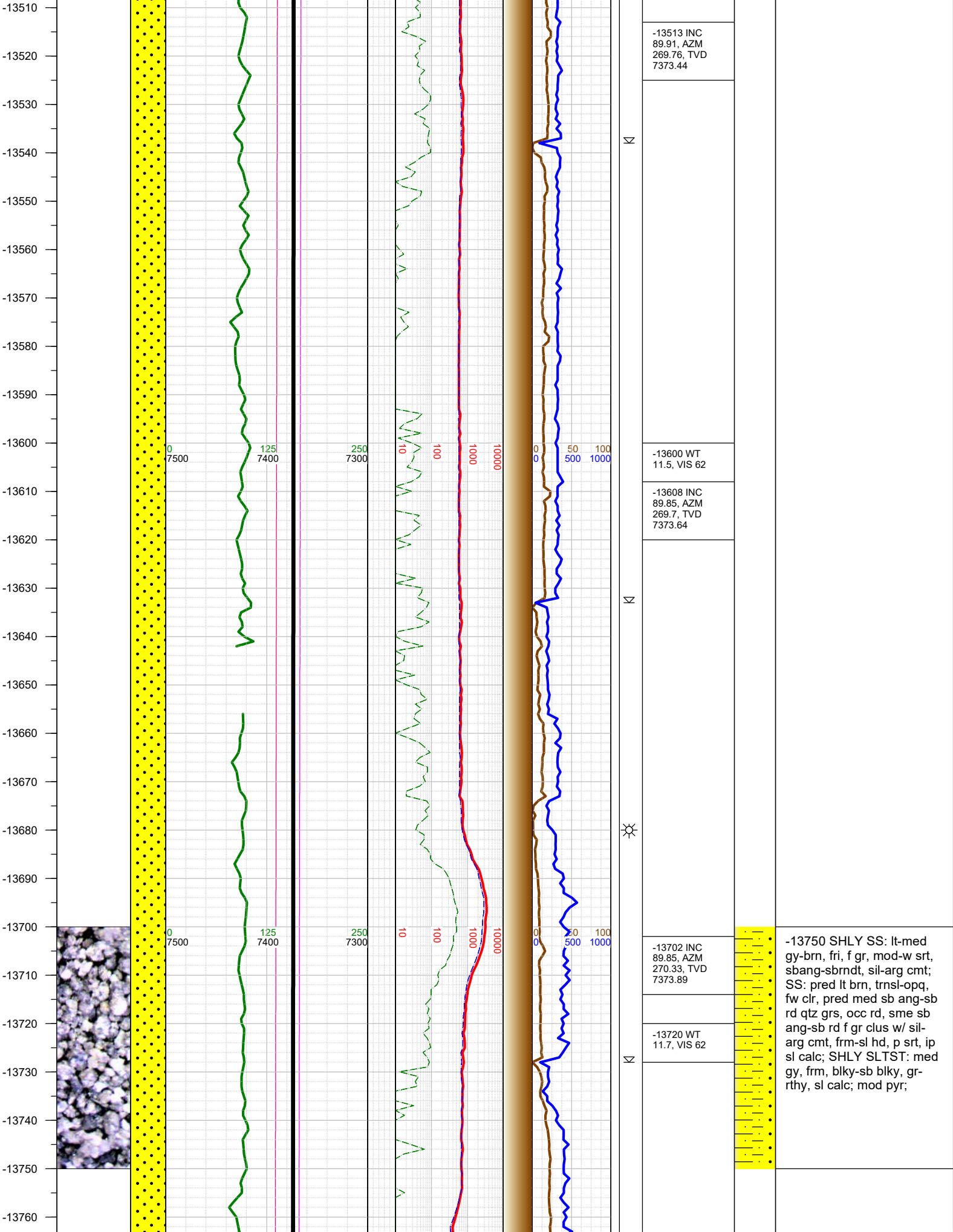
-12946 INC
89.75, AZM
265.67, TVD
7371.55

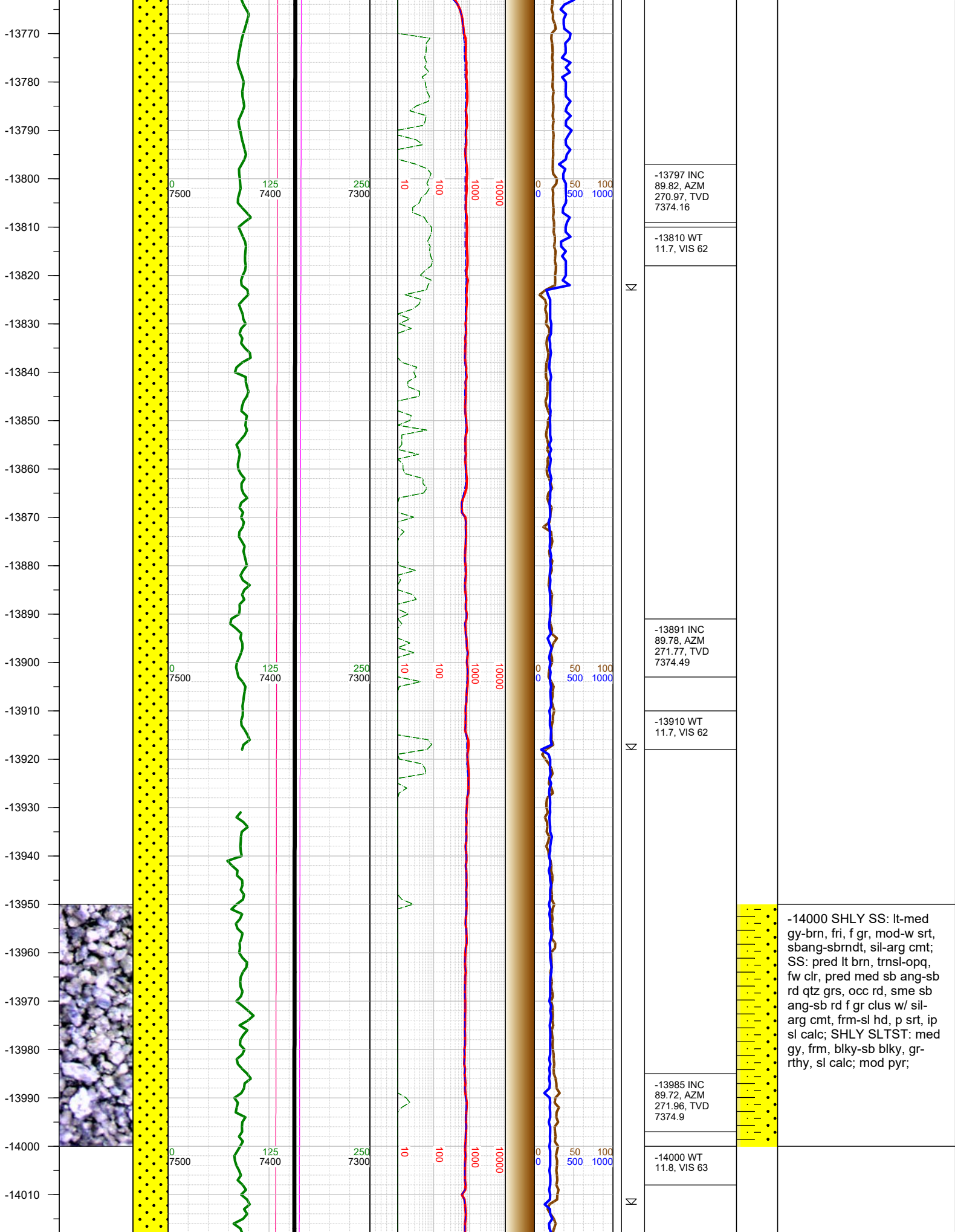
-13000 SS: pred lt brn,
trns-l-opq, fw clr, pred med
sb ang-sb rd qtz grs, occ
rd, sme sb ang-sb rd f gr
clus w/ sil-arg cmt, frm-sl
hd, p srt, ip sl calc; SHLY
SS: lt-med gy-brn, fri, f gr,
mod-w srt, sbang-sbrndt,
sil-arg cmt; SHLY SLTST:
med gy, frm, blk-y-sb blk-y,
gr-rthy, sl calc; mod pyr;

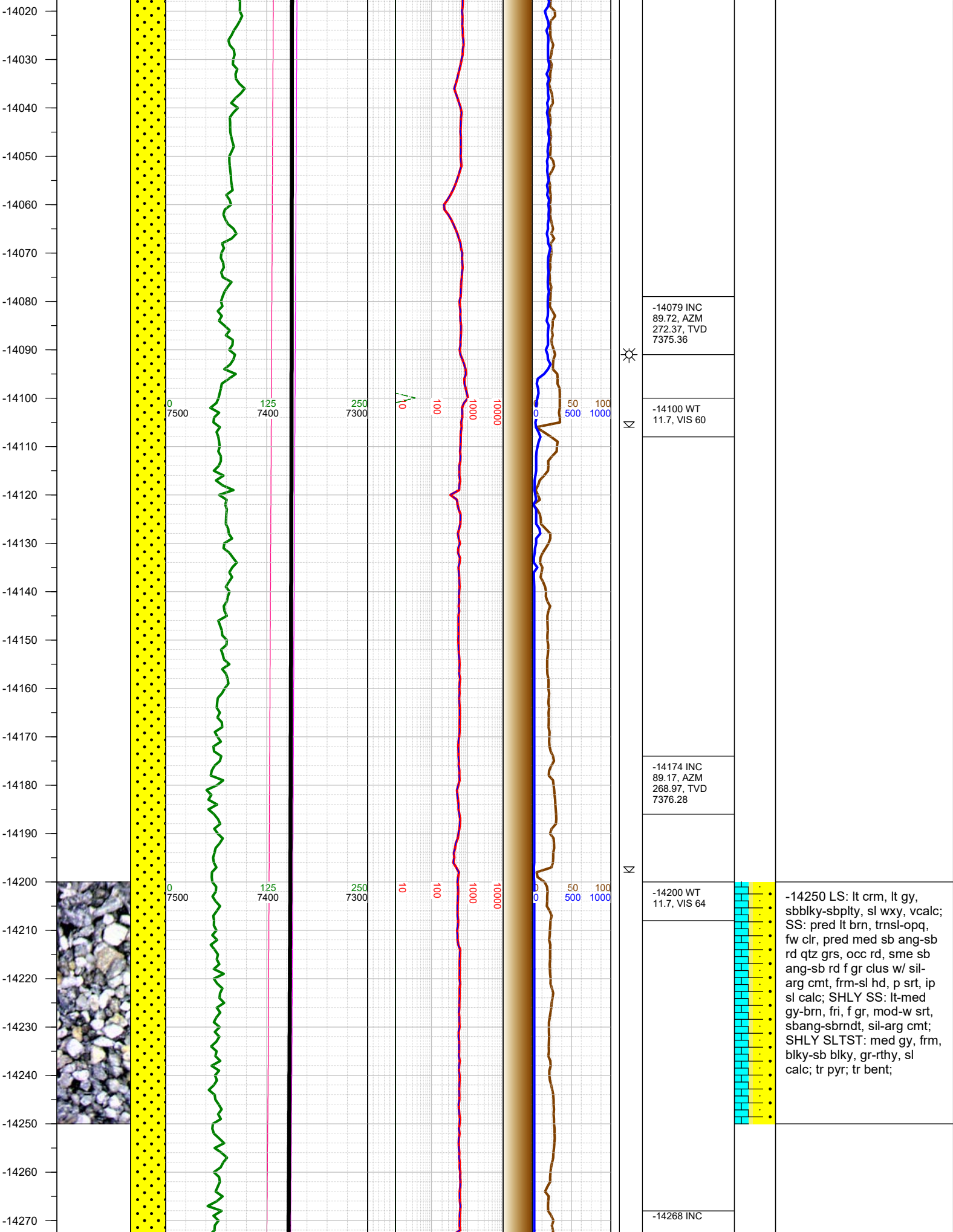


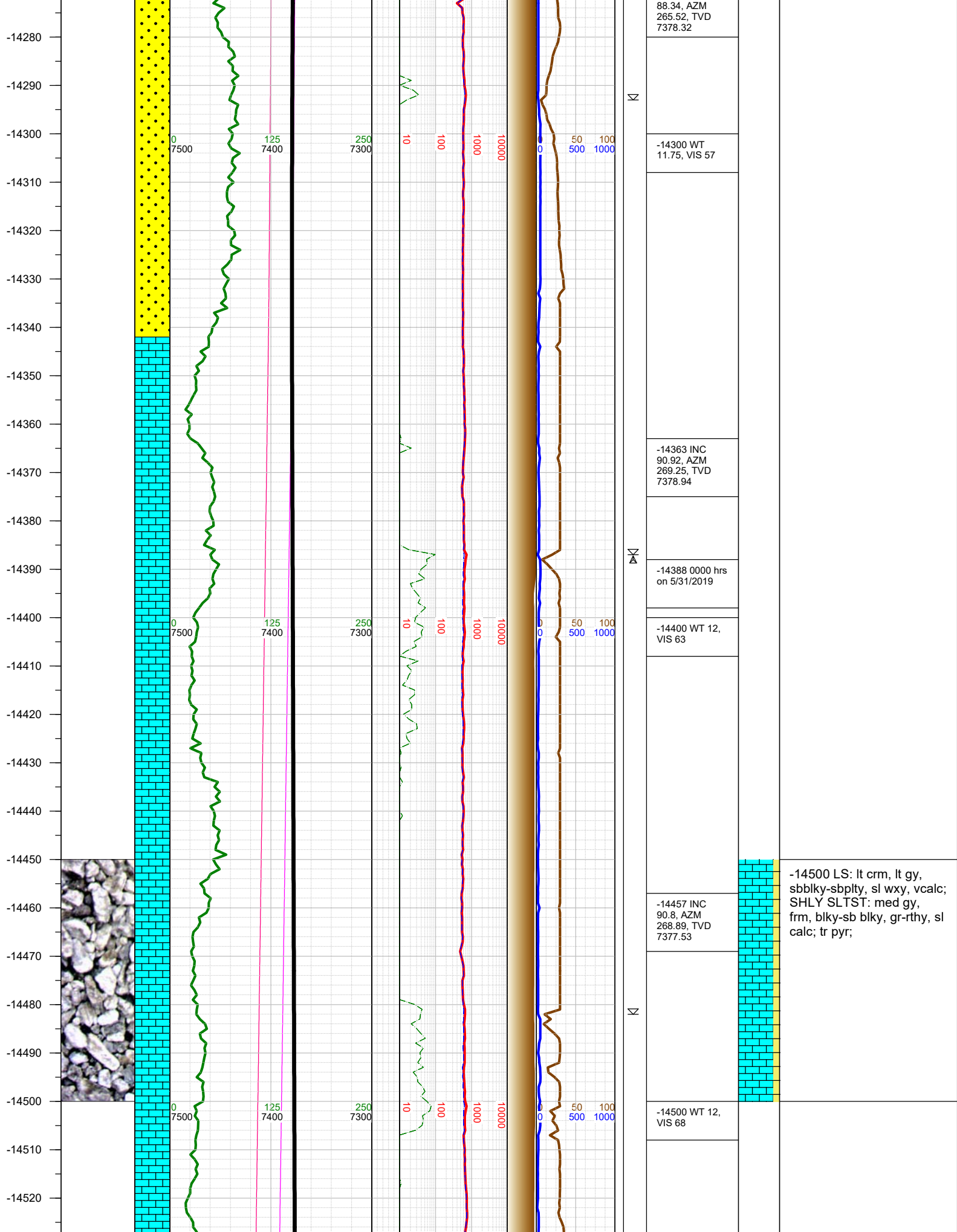
-13250 SS: pred lt brn, trnsi-opq, fw clr, pred med sb ang-sb rd qtz grs, occ rd, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SHLY SLTST: med gy, frm, blk-sb blk, gr-rthy, sl calc; mod pyr;

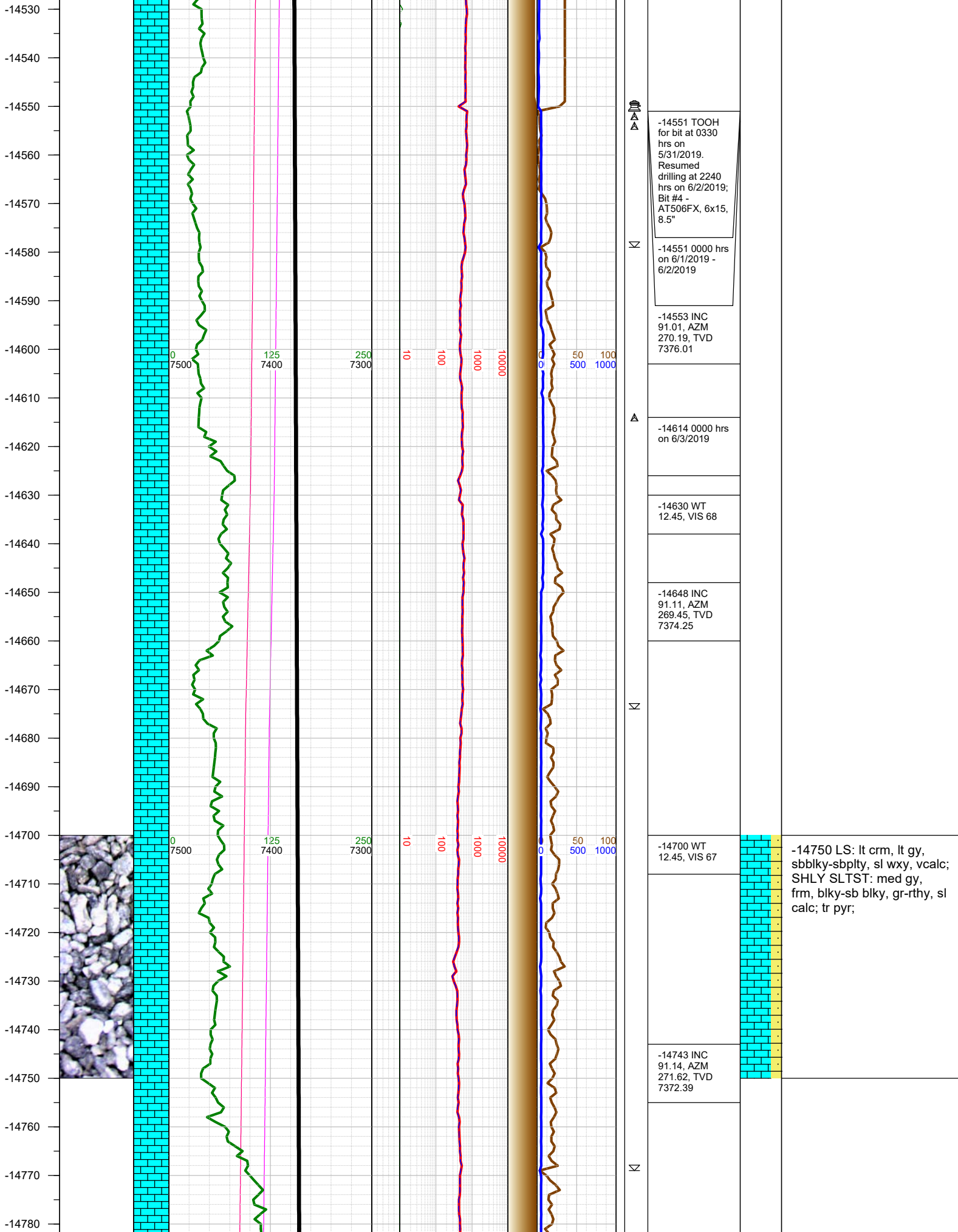


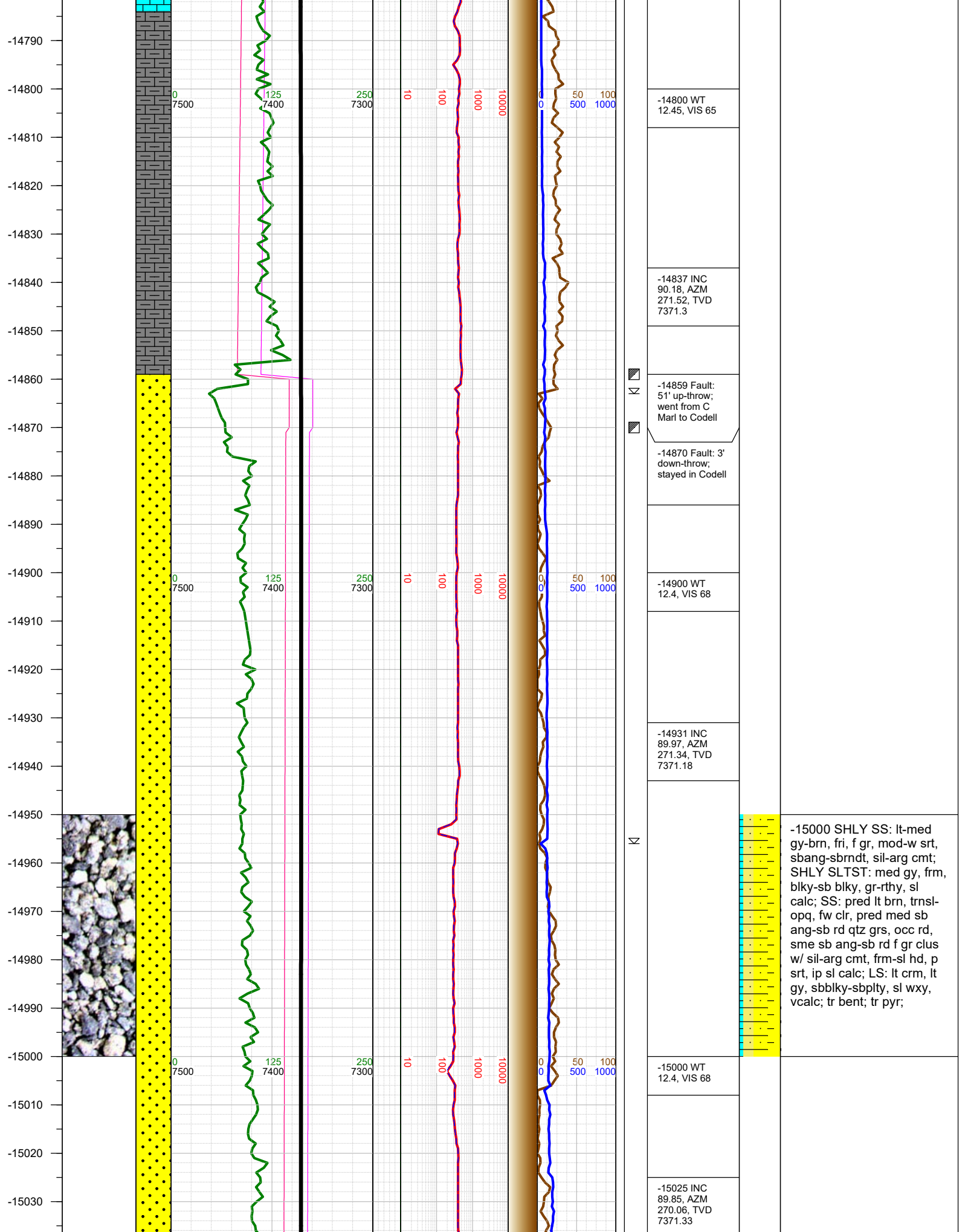


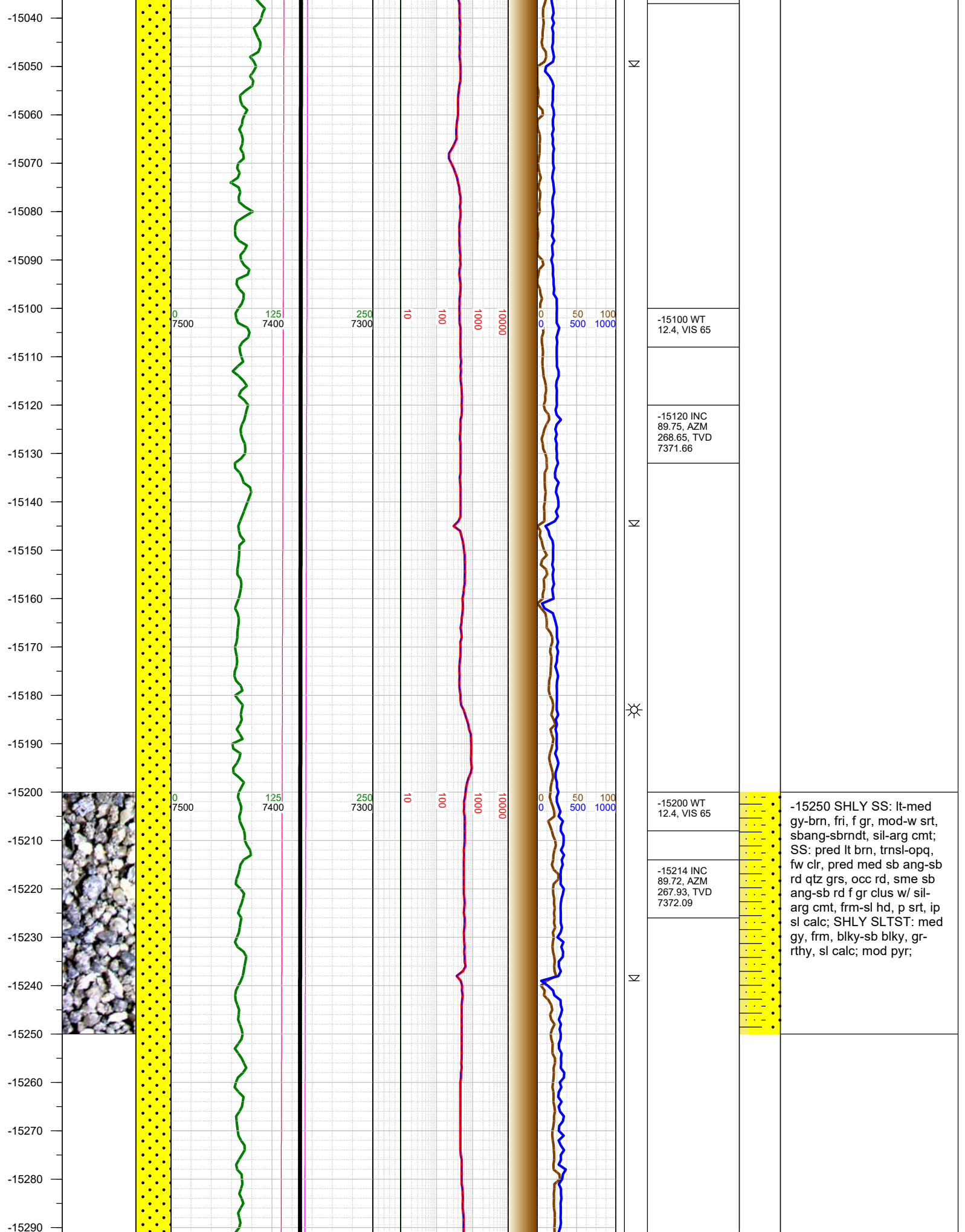


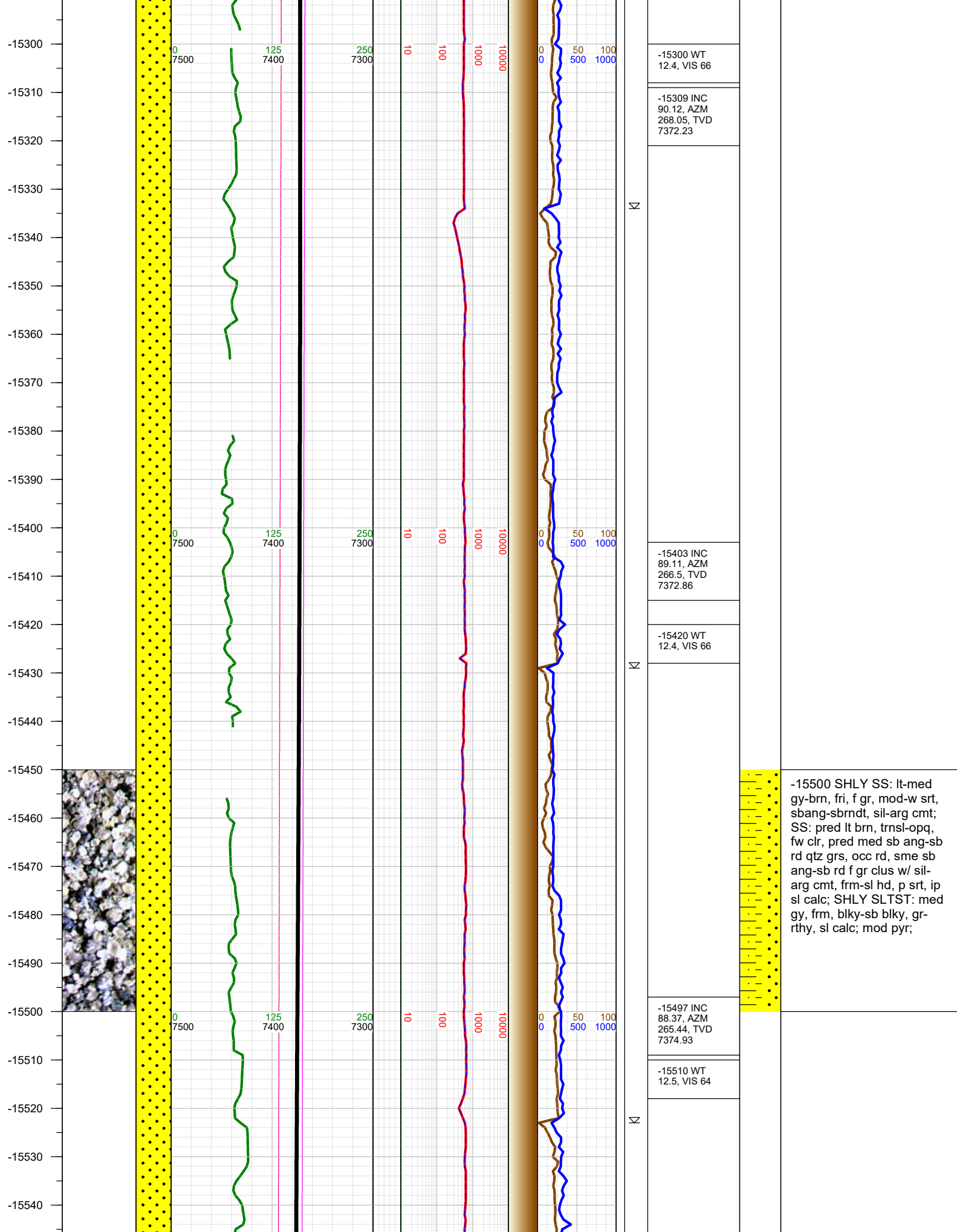




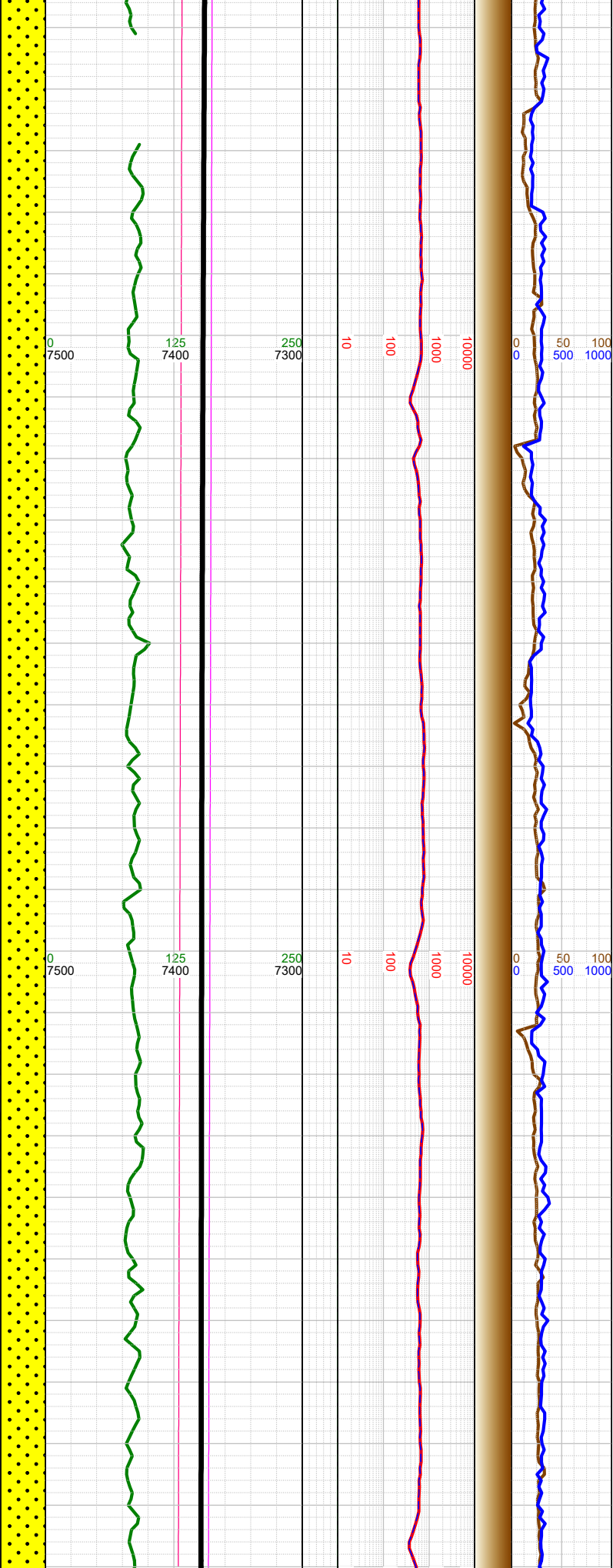








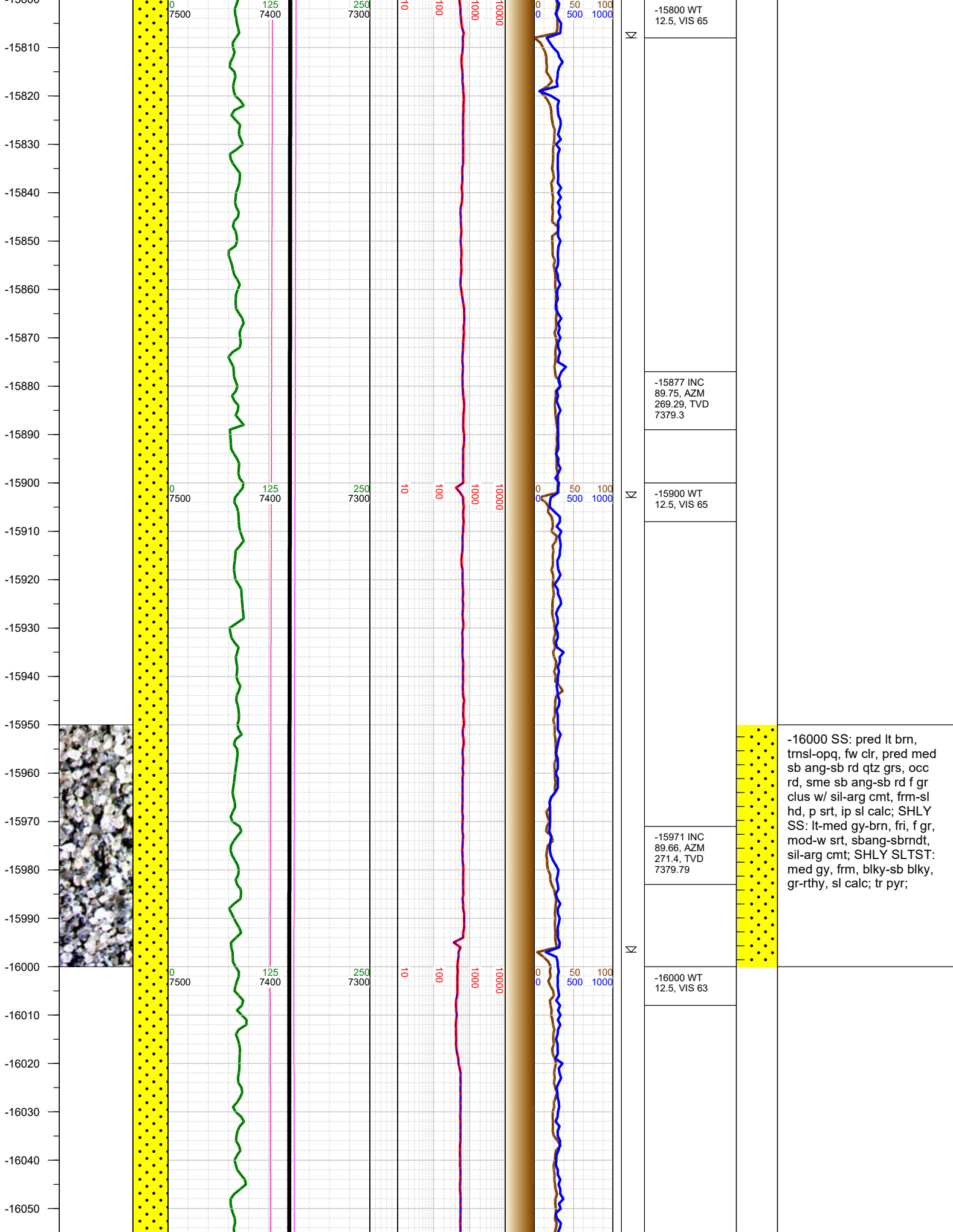
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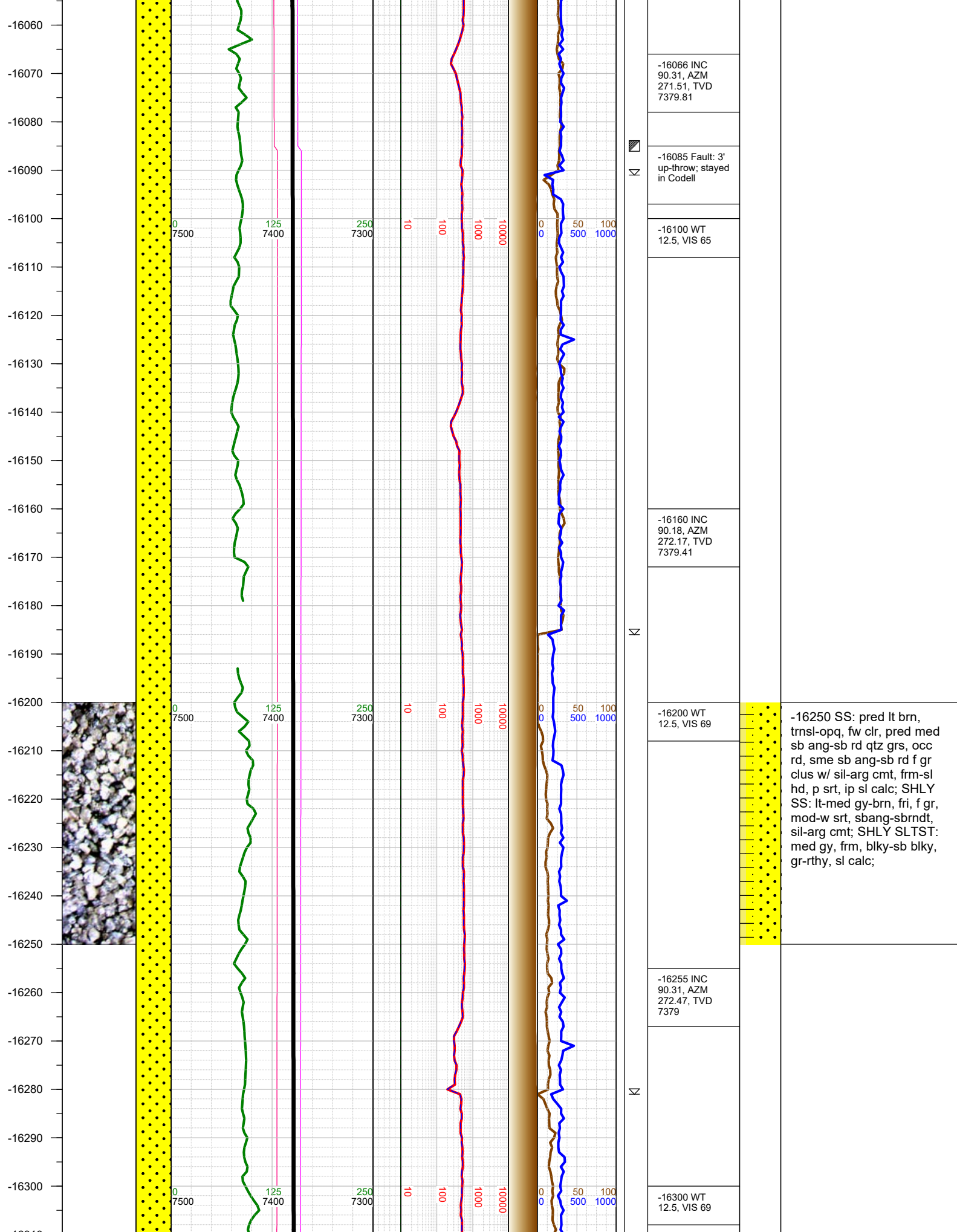


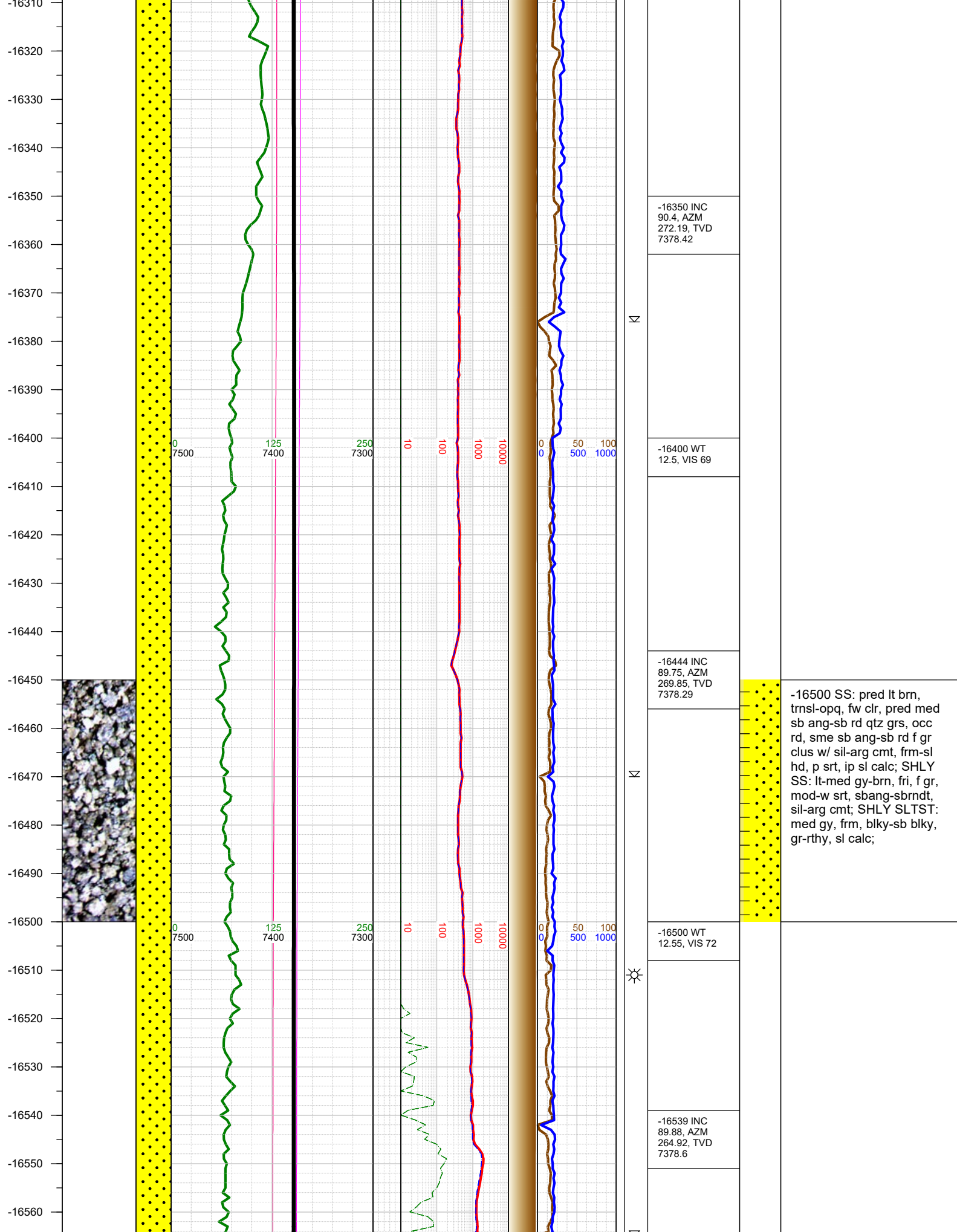
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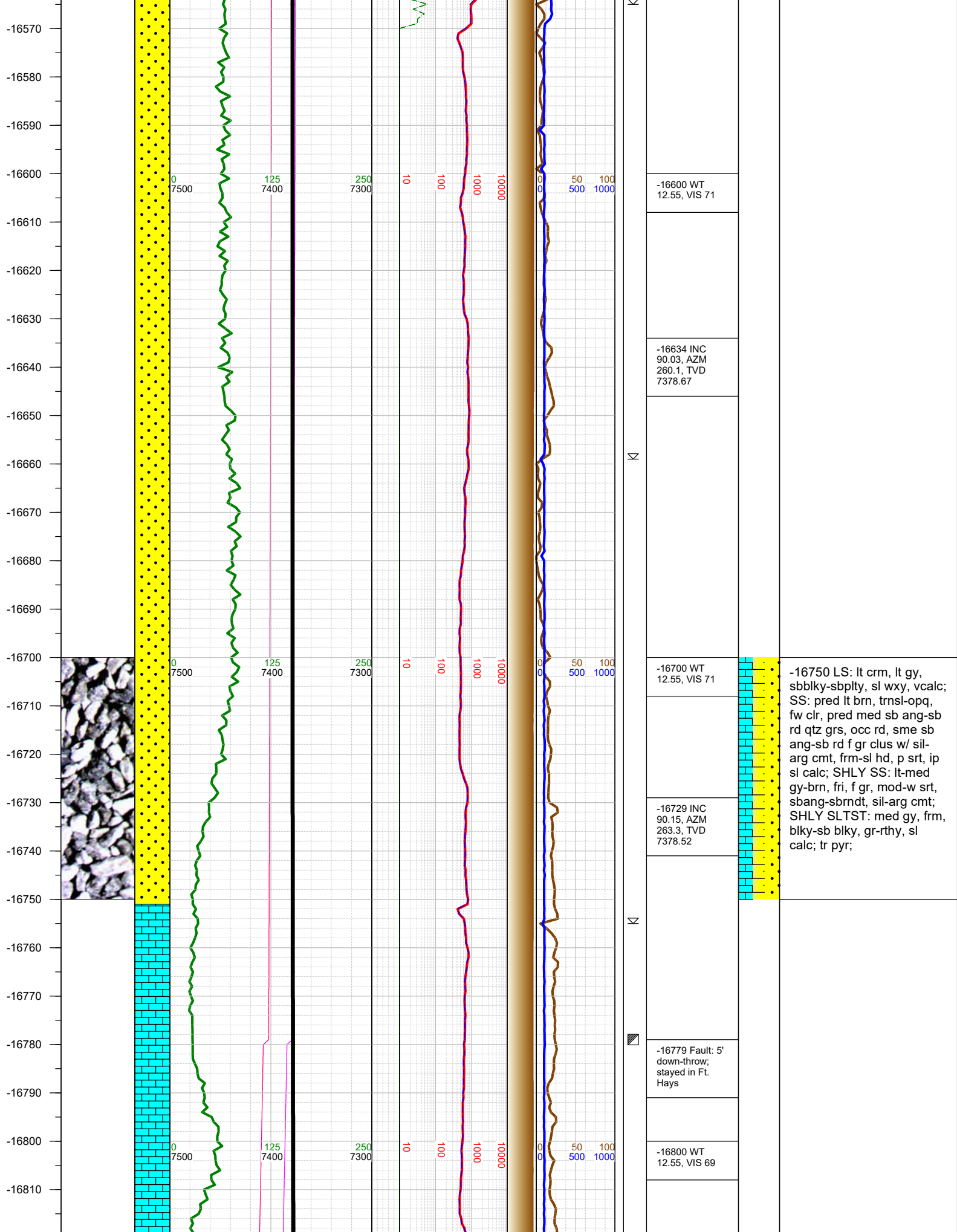
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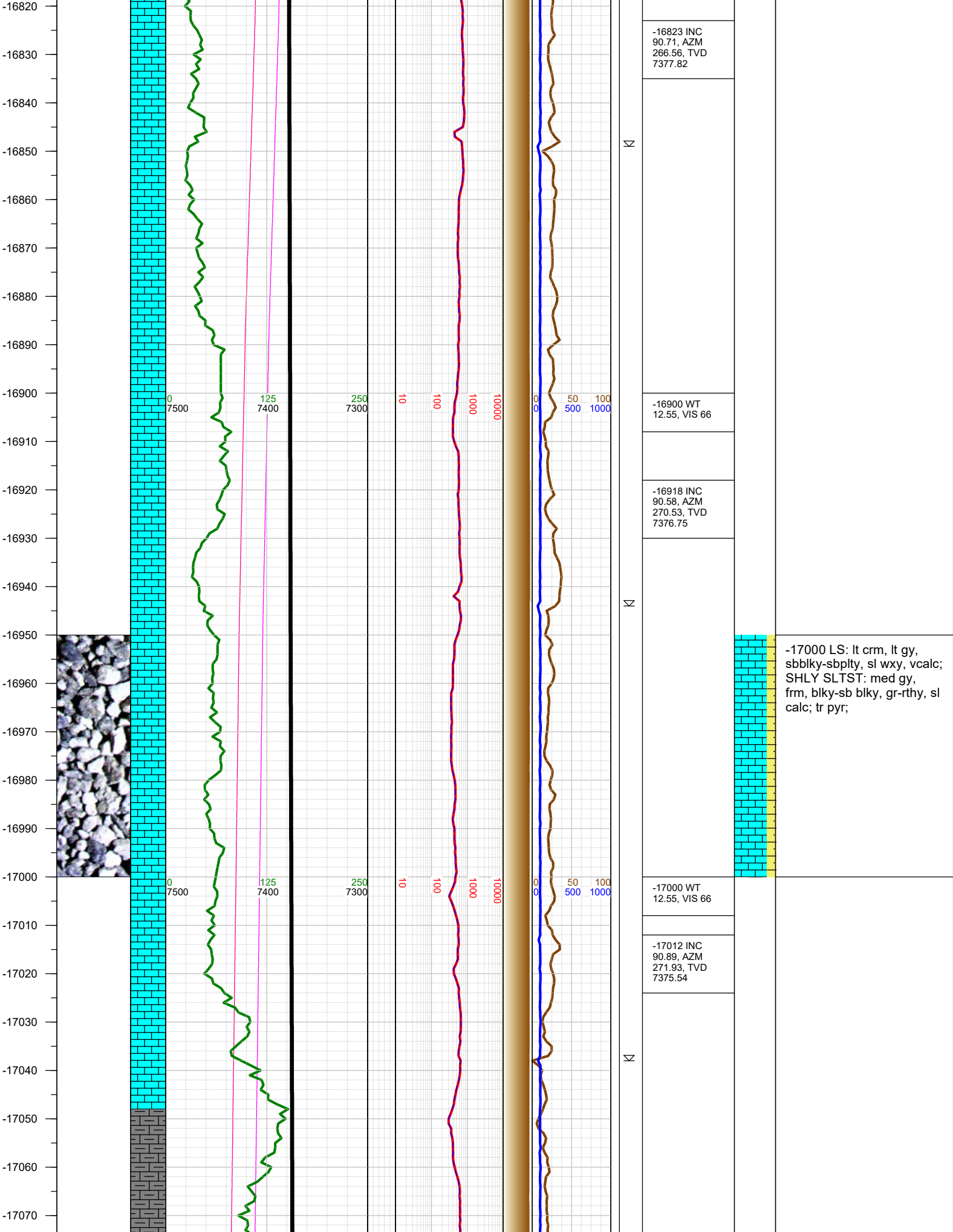
	-15592 INC 88.89, AZM 266.42, TVD 7377.2	
	-15610 WT 12.5, VIS 64	
	-15687 INC 89.66, AZM 267.42, TVD 7378.4	
	-15700 WT 12.5, VIS 64	-15750 SS: pred lt brn, trns-l-opq, fw clr, pred med sb ang-sb rd qtz grs, occ rd, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SHLY SLTST: med gy, frm, blk-y-sb blk-y, gr-rthy, sl calc; tr pyr;
	-15782 INC 89.75, AZM 268.3, TVD 7378.89	

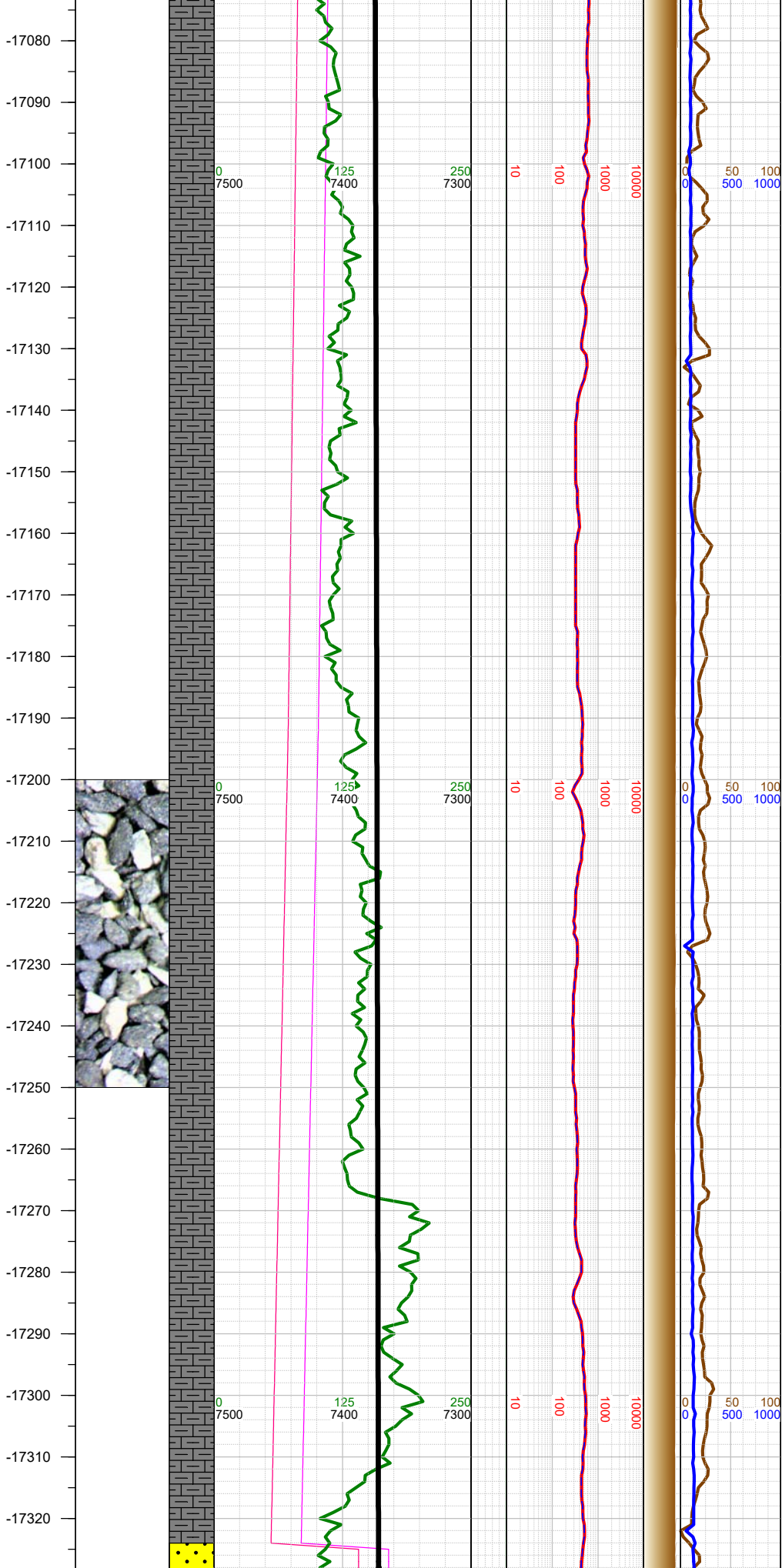












N	-17107 INC 90.62, AZM 272.53, TVD 7374.29	
	-17120 WT 12.6, VIS 71	
	-17172 0000 hrs on 6/4/2019	
Δ	-17201 INC 90.58, AZM 271.93, TVD 7373.31	-17250 MARL: dk gy-blk, sbbkly-sbplty, sft-sbfrm, v calc, mod arg, sl silty; CHLK: lt crm, lt gy, sbbkly- sbplty, sl wxy, vcalc; tr forams; tr bent; tr pyr;
N	-17220 WT 12.6, VIS 69	
	-17296 INC 90.52, AZM 271.69, TVD 7372.39	
	-17310 WT 12.5, VIS 70	
▨	-17324 Fault:	

