

OPERATOR: **Extraction Oil & Gas**  
WELL NAME: **AD Fed J Evans 20W-25-3**  
FIELD NAME: DJ Basin - Wattenberg  
DRILLING RIG: Ensign 147  
API #: 05-123-41133

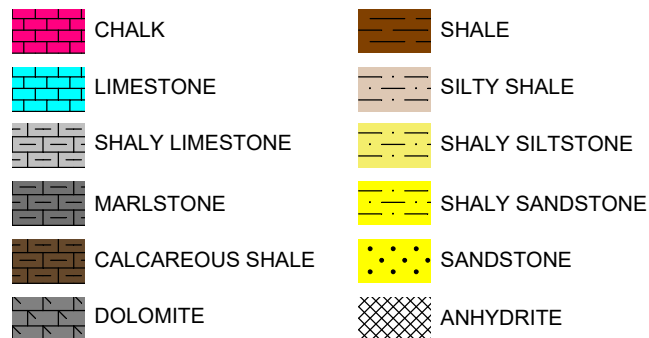
LAT/LONG: 40.38338, -104.67647  
SURFACE HOLE: NWSW S21-T5N-R65W, 2405' FSL, 328' FWL  
BOTTOM HOLE: S21-T5N-R65W, 2405' FSL, 328' FWL



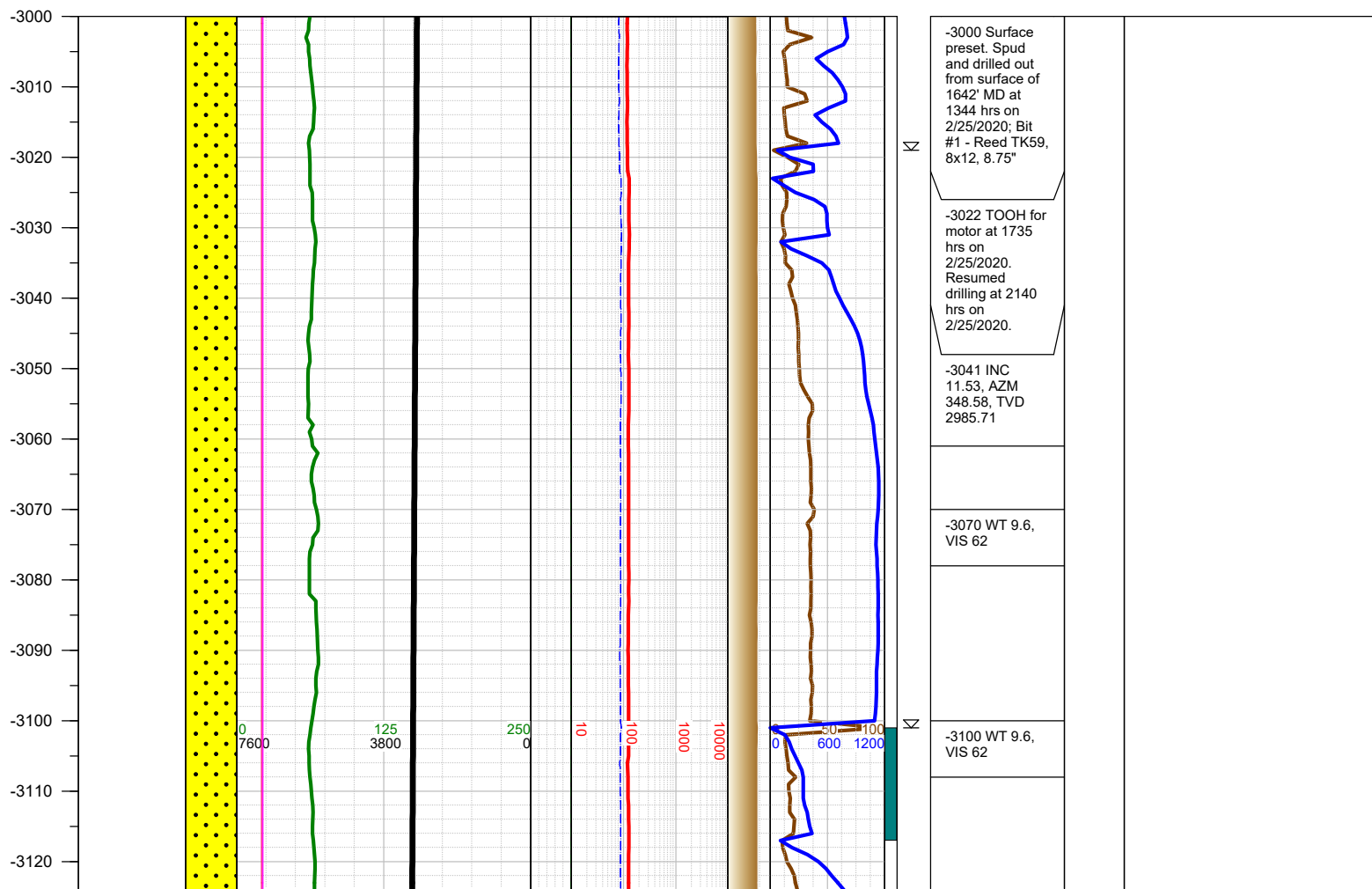
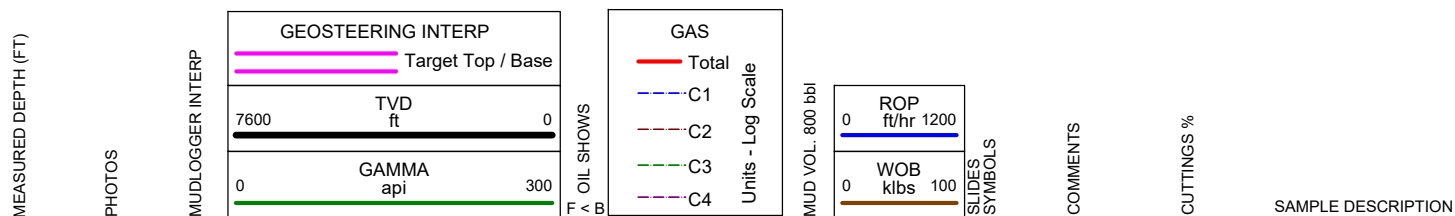
Earth Science Agency, LLC

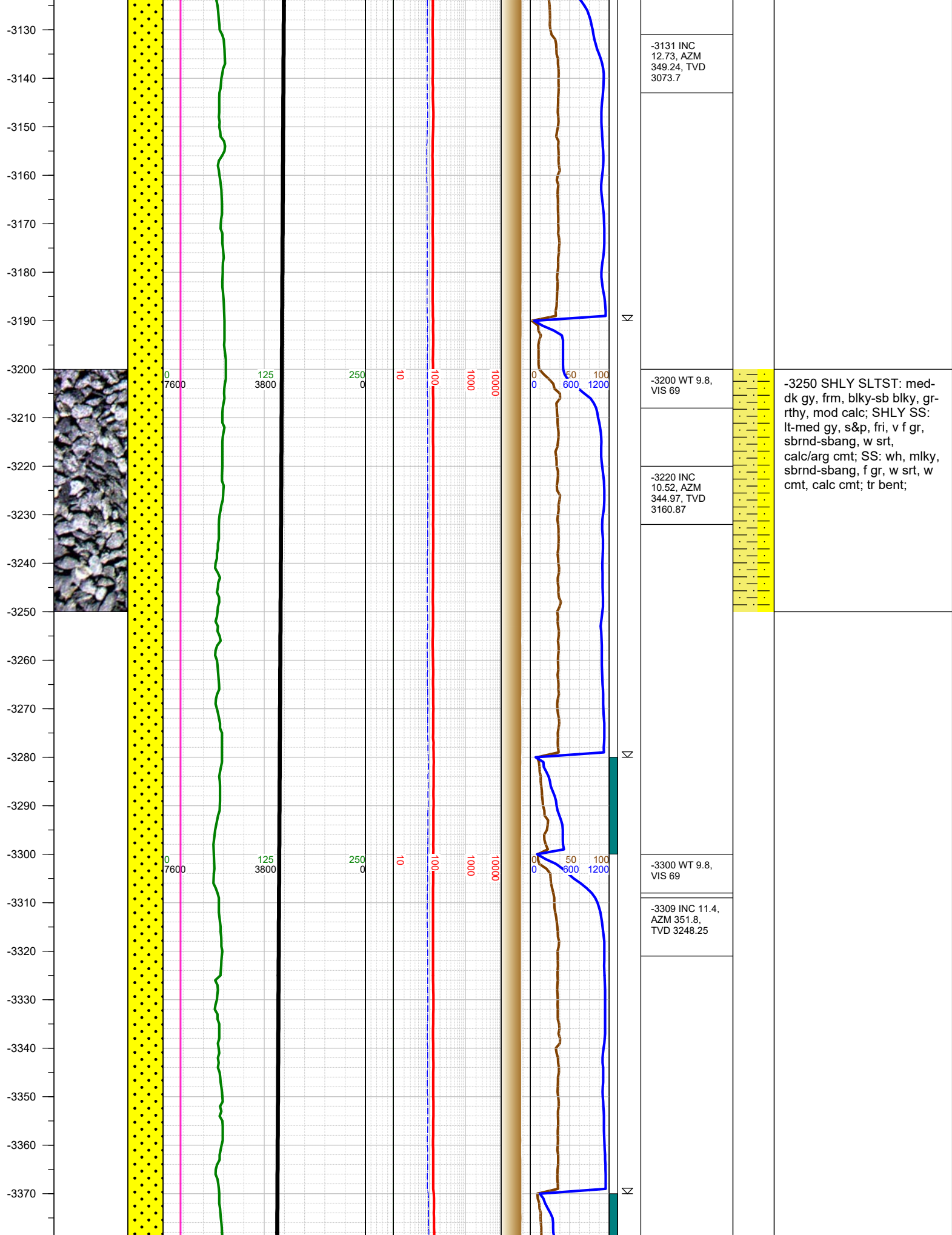
COUNTY: Weld  
STATE: Colorado  
GROUND ELEVATION: 4638'  
KELLY BUSHING: 4666'  
DRILLING FLUID: OBM  
TVD VS. MD: 7009' / 19700'  
SPUD DATE: February 25, 2020  
TD DATE: February 28, 2020  
DEPTHS LOGGED: 3000' - 19700'  
DATES LOGGED: February 25, 2020 - February 28, 2020  
GEOLOGISTS: Curtis Magnino, Ross Apodaca  
SCALE: 5" = 100'

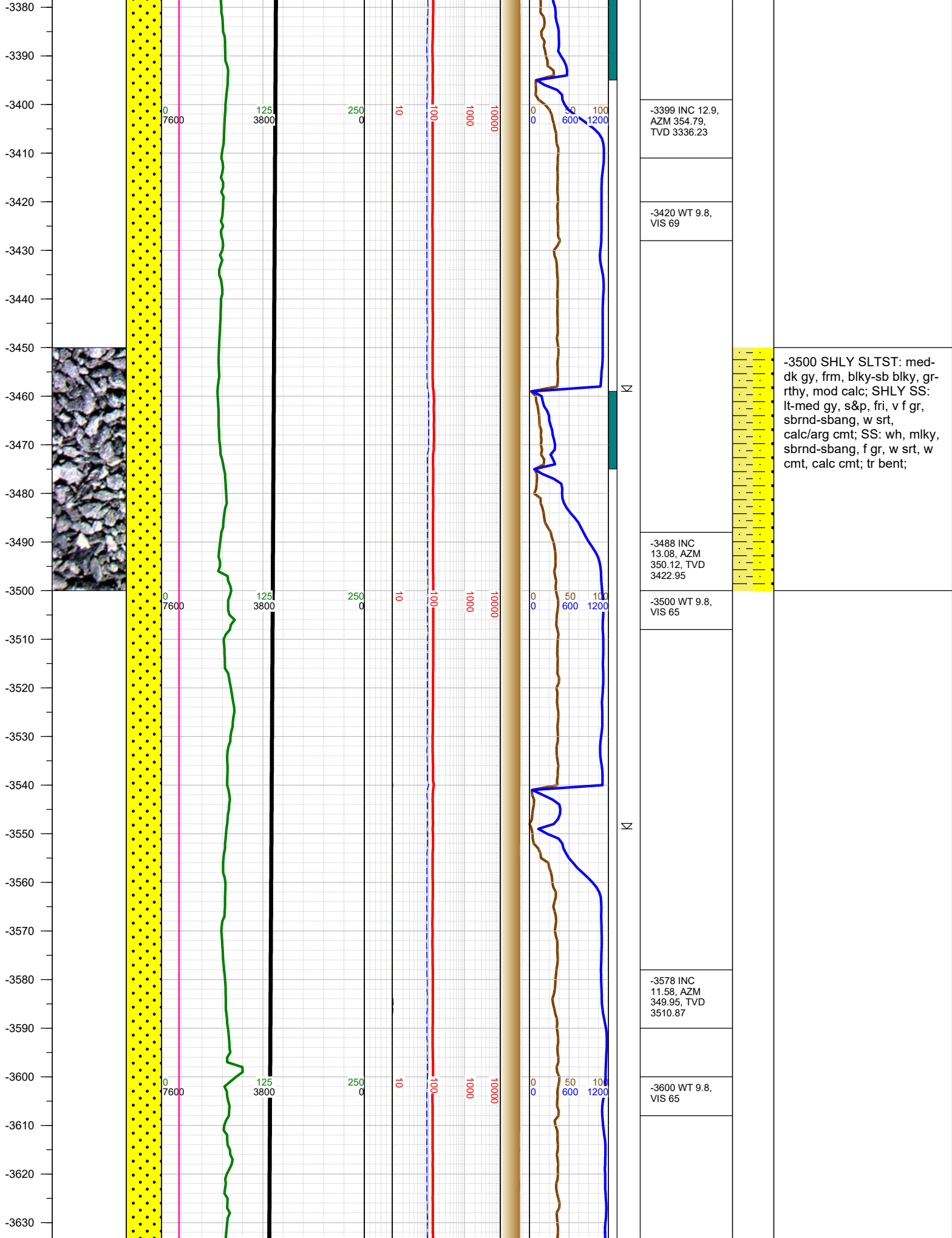
#### LEGEND

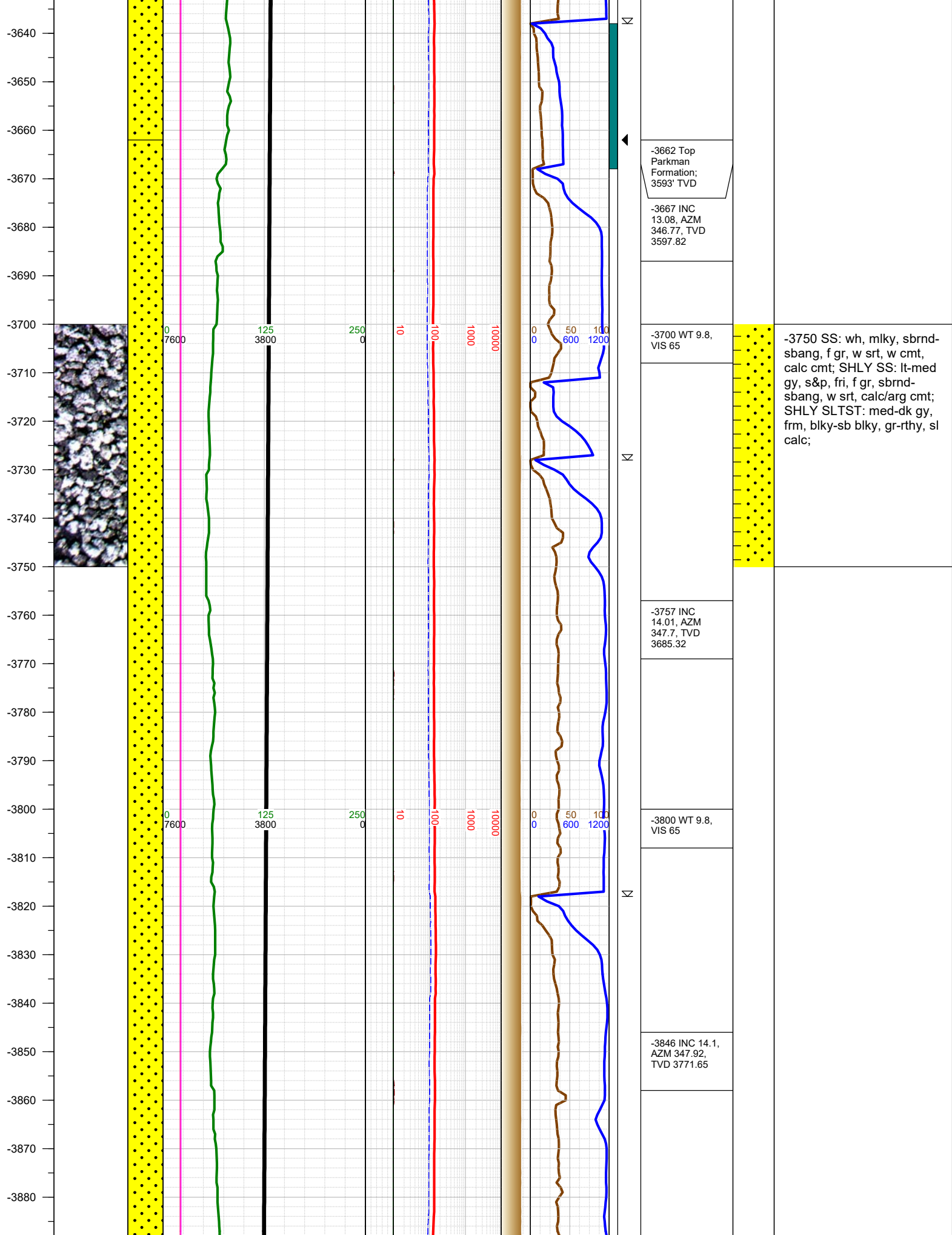


FORMATION  $\approx$  CONNECTION  $\Delta$  MIDNIGHT NEW BIT GAS SHOW FAULT

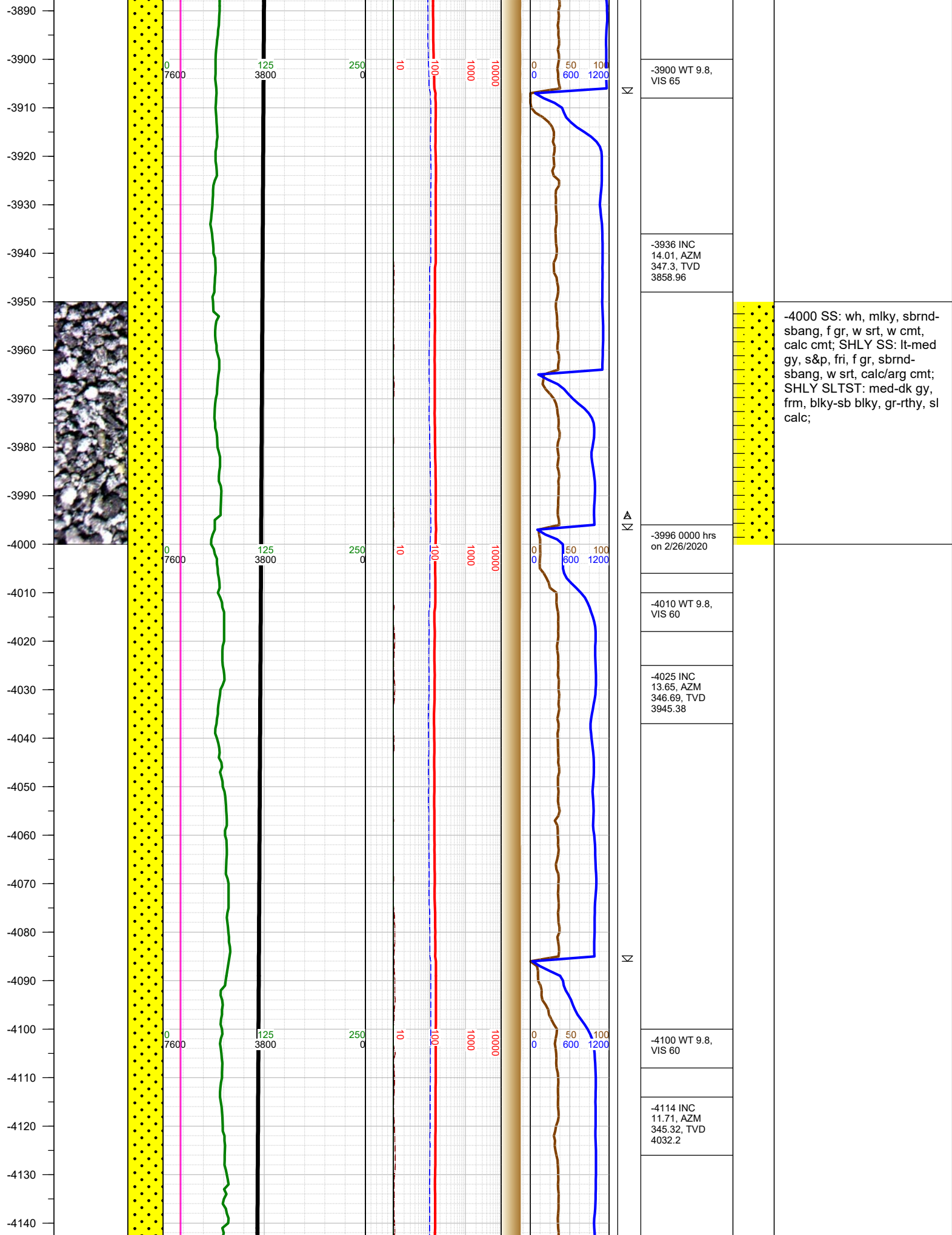


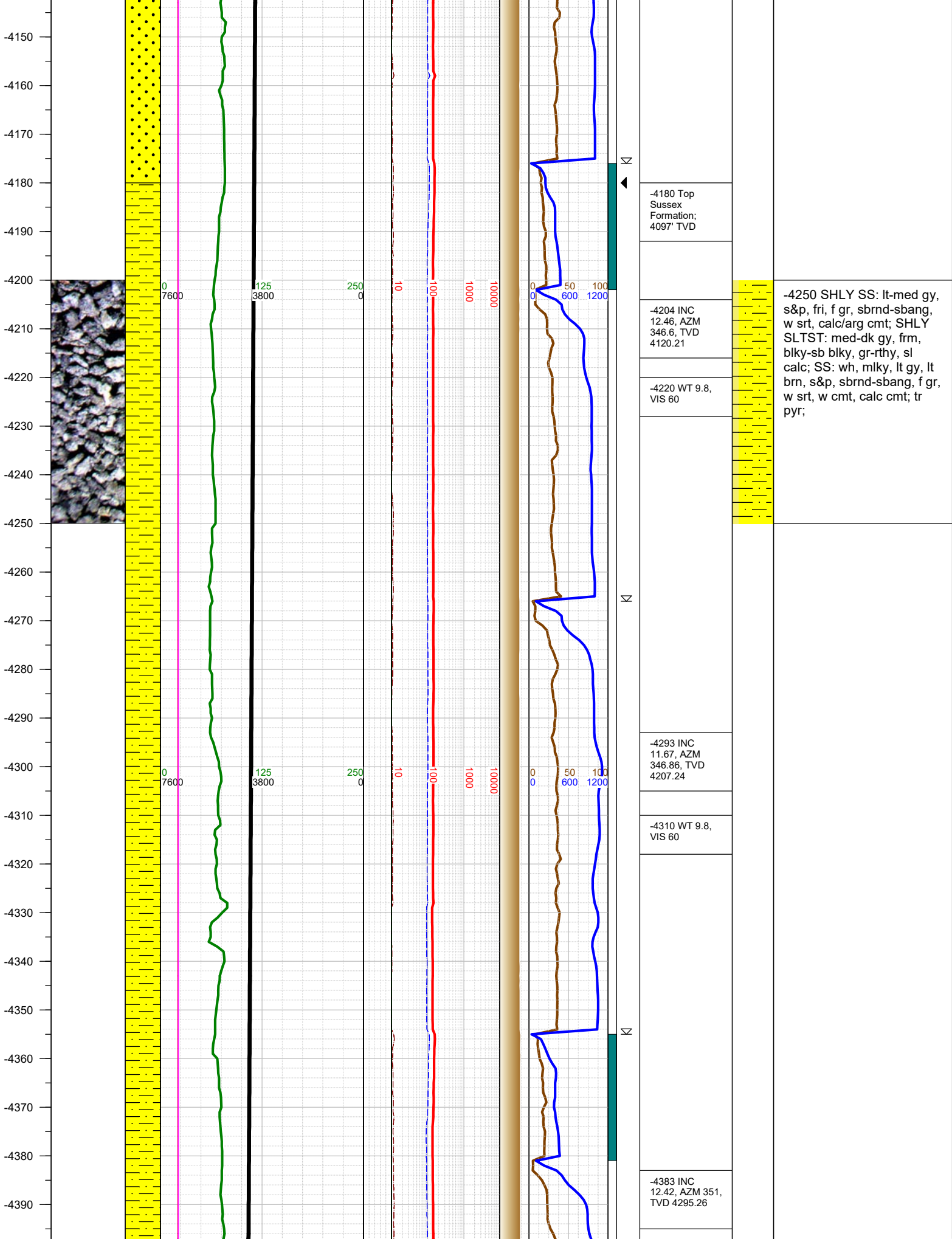


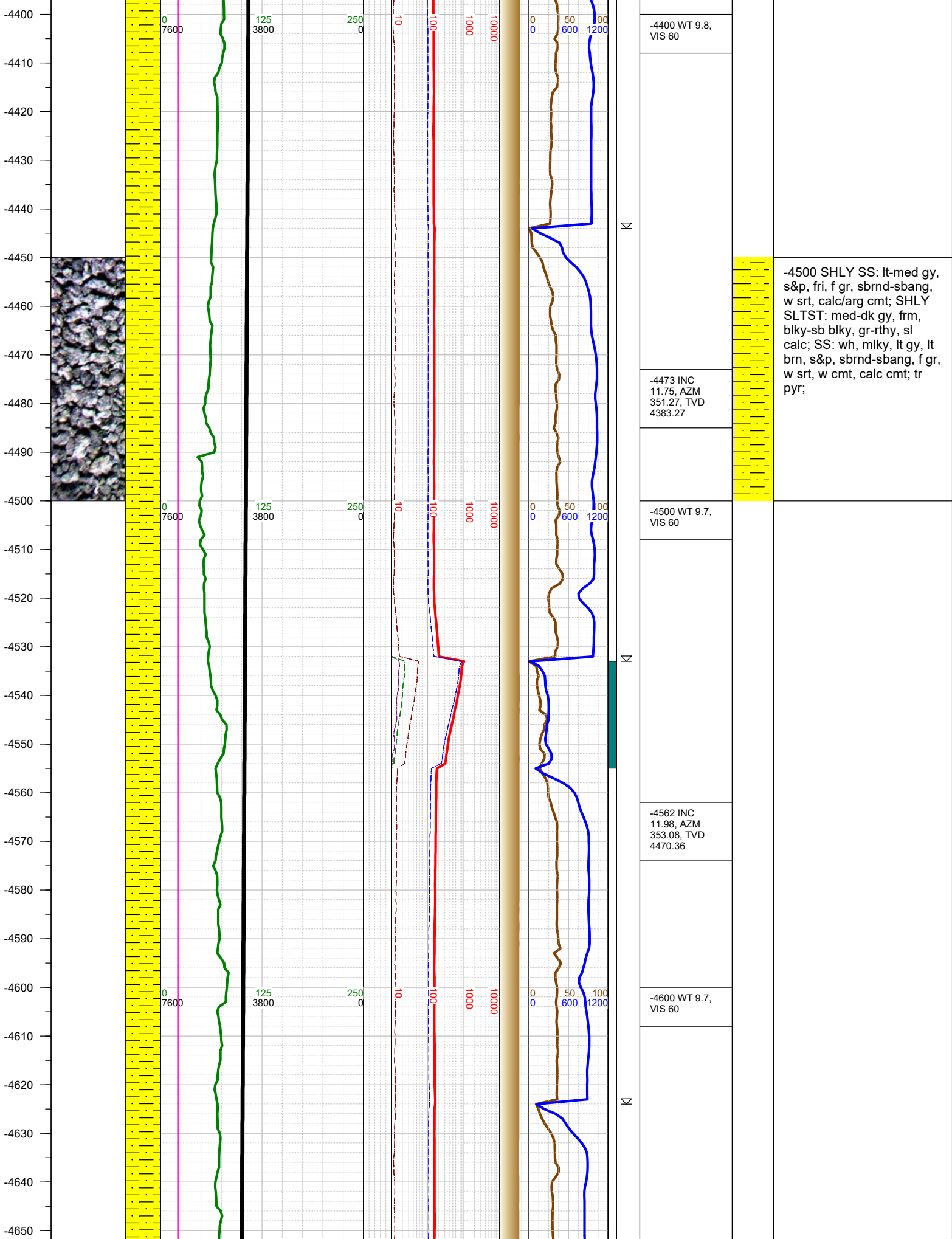




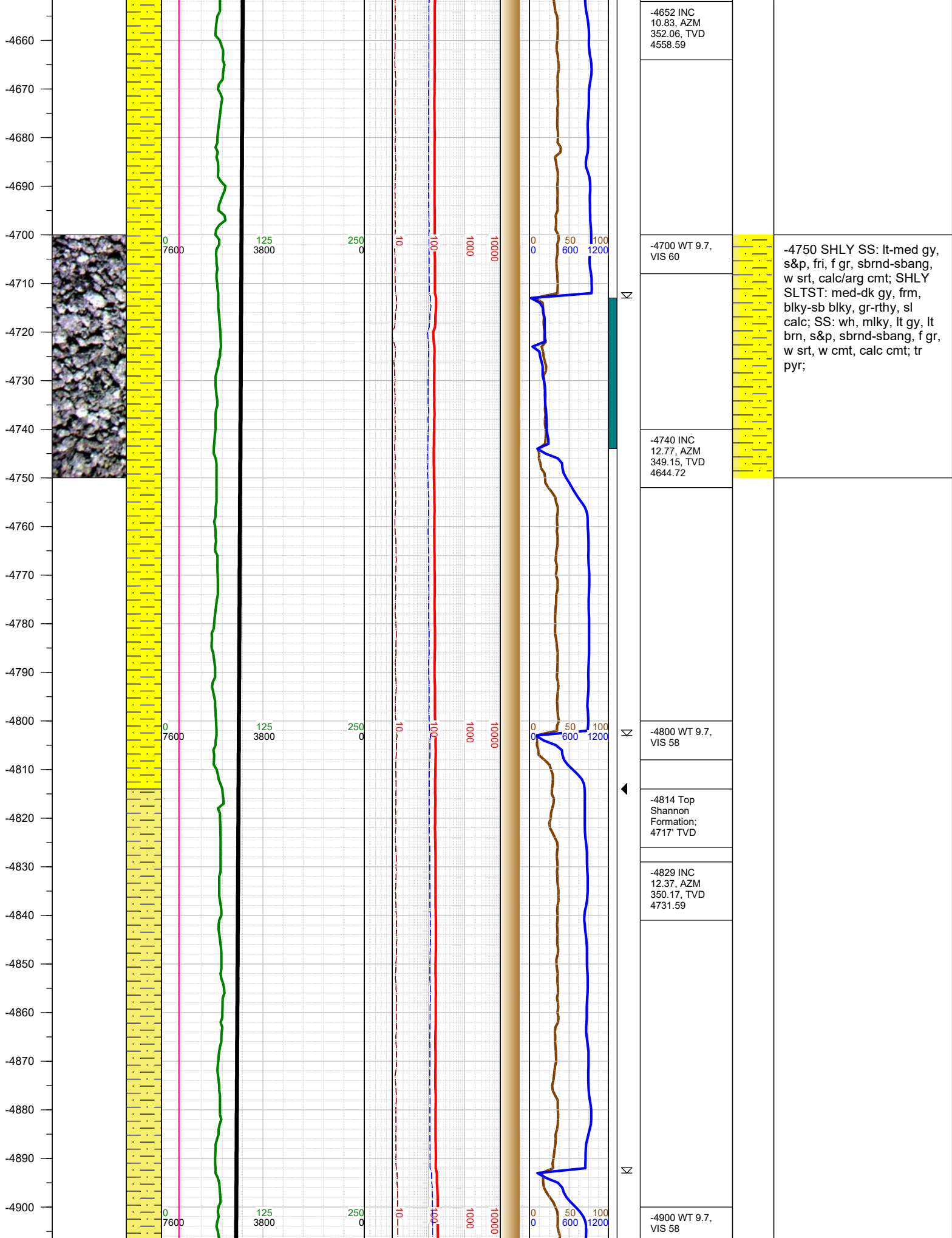




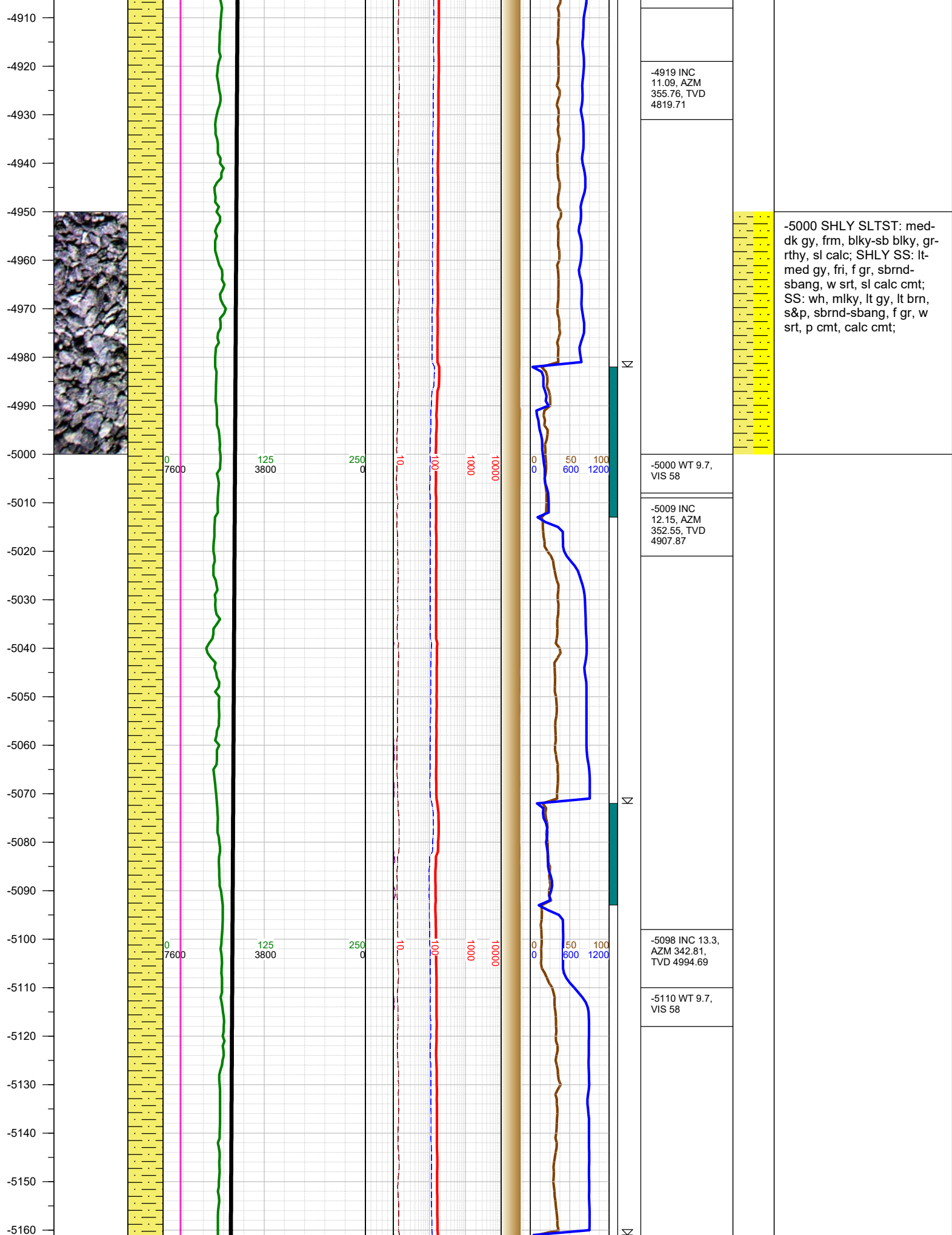


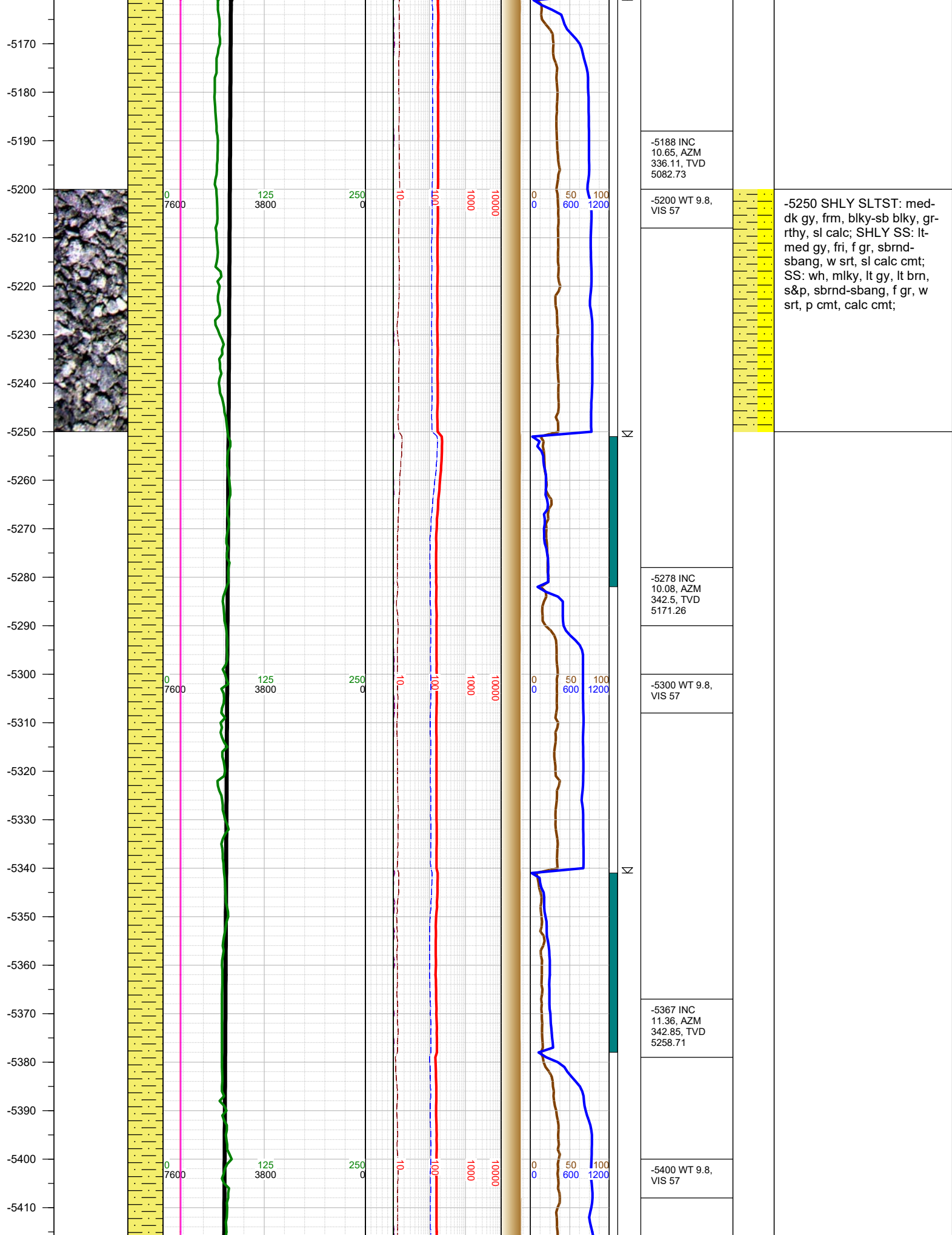


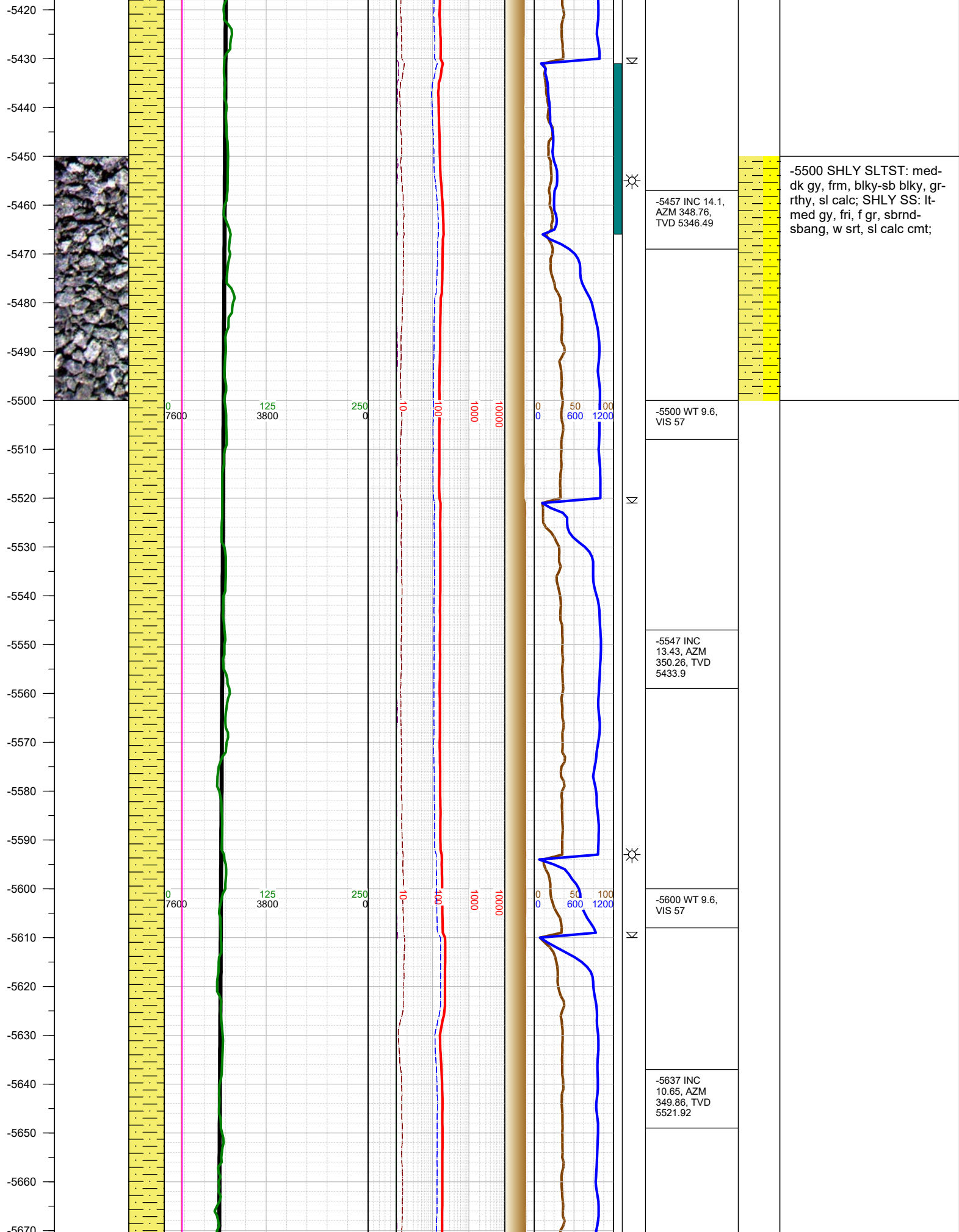


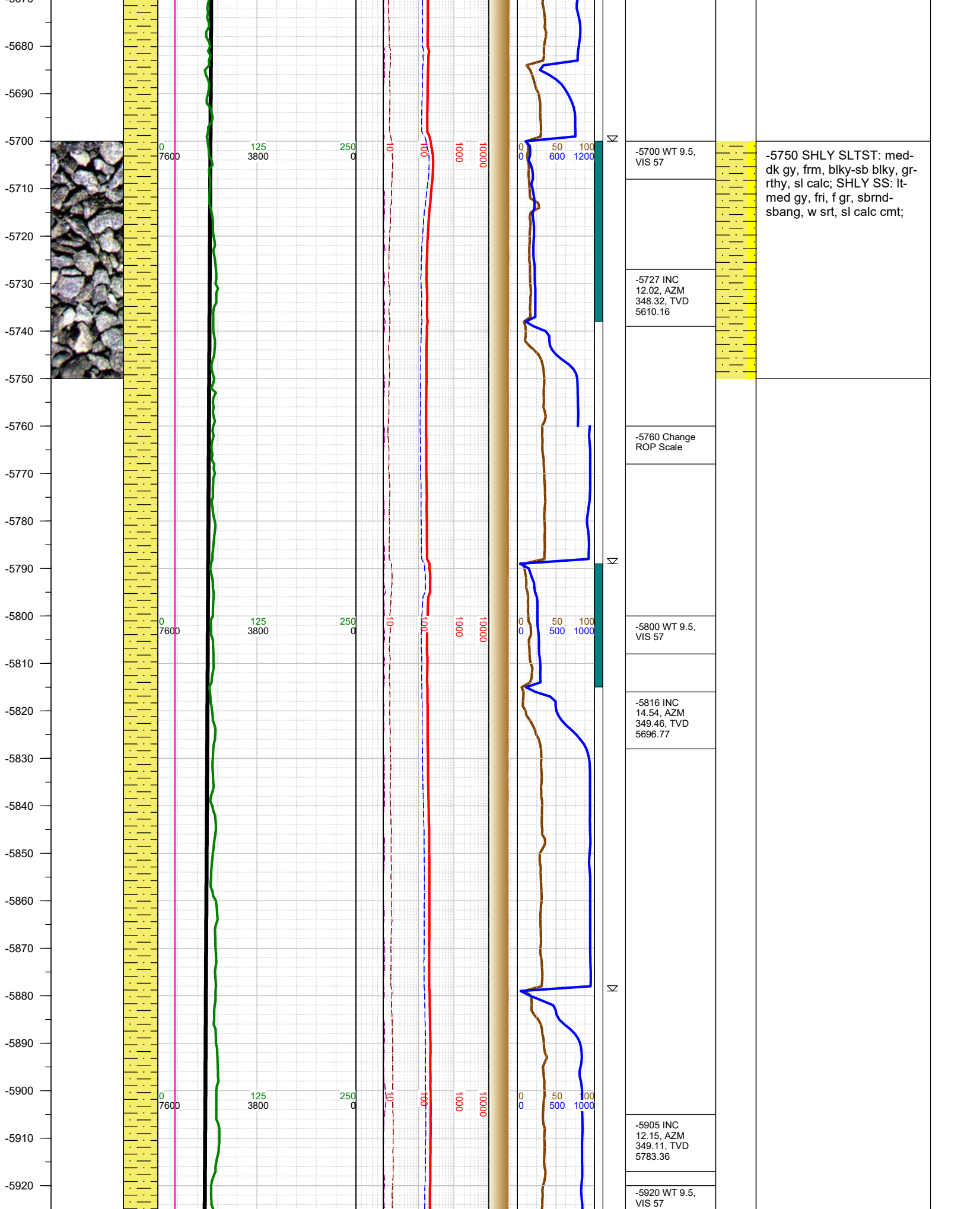




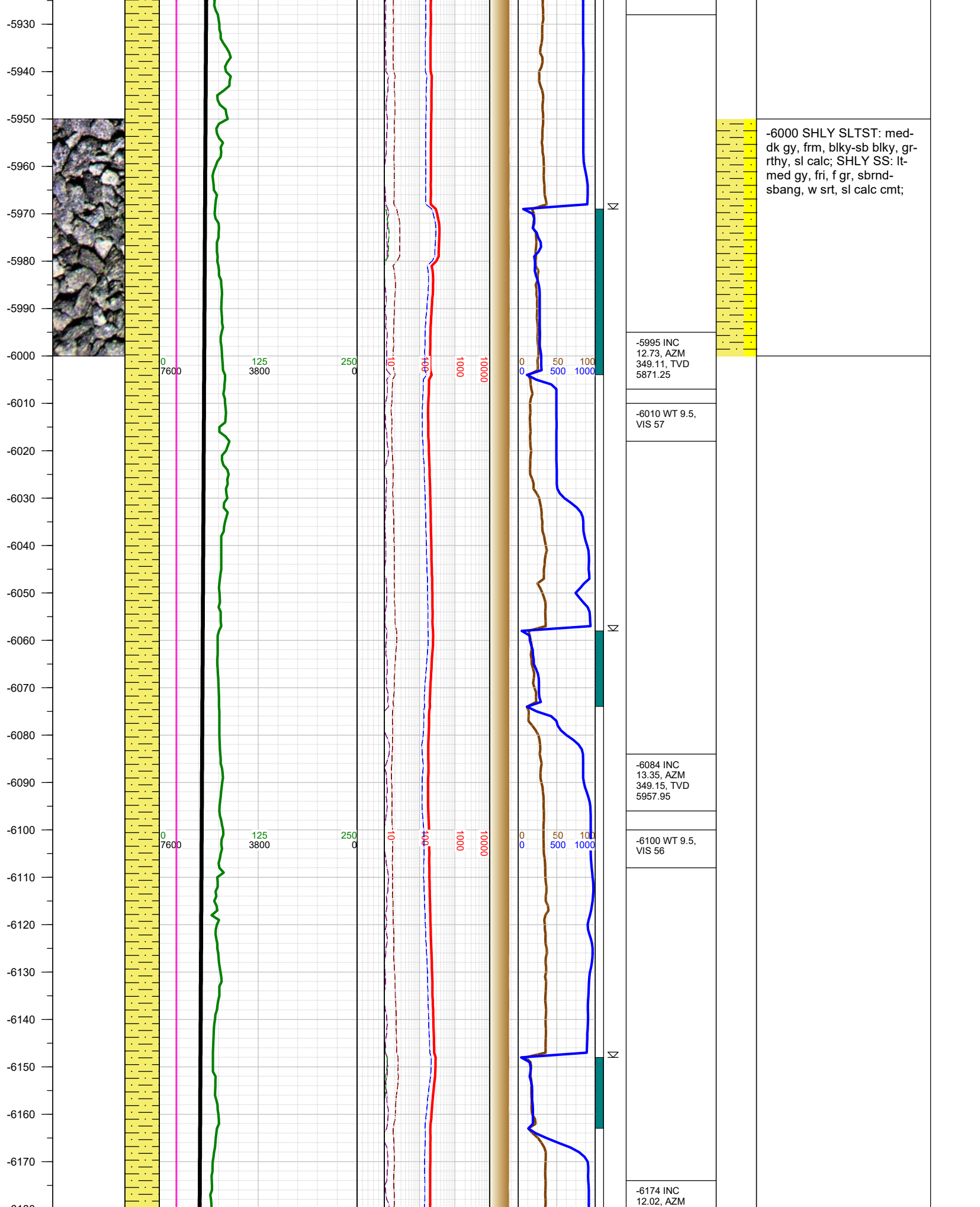


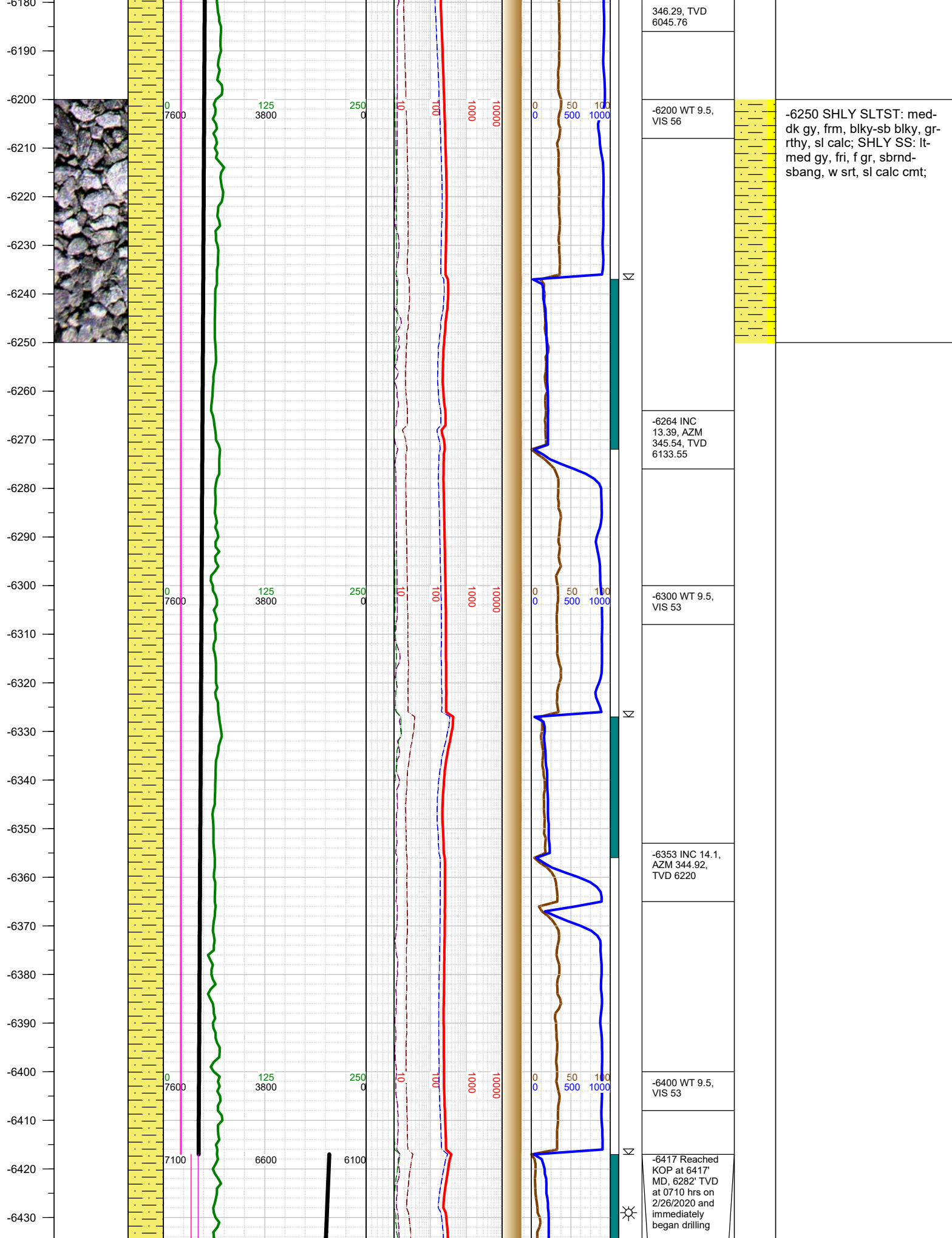


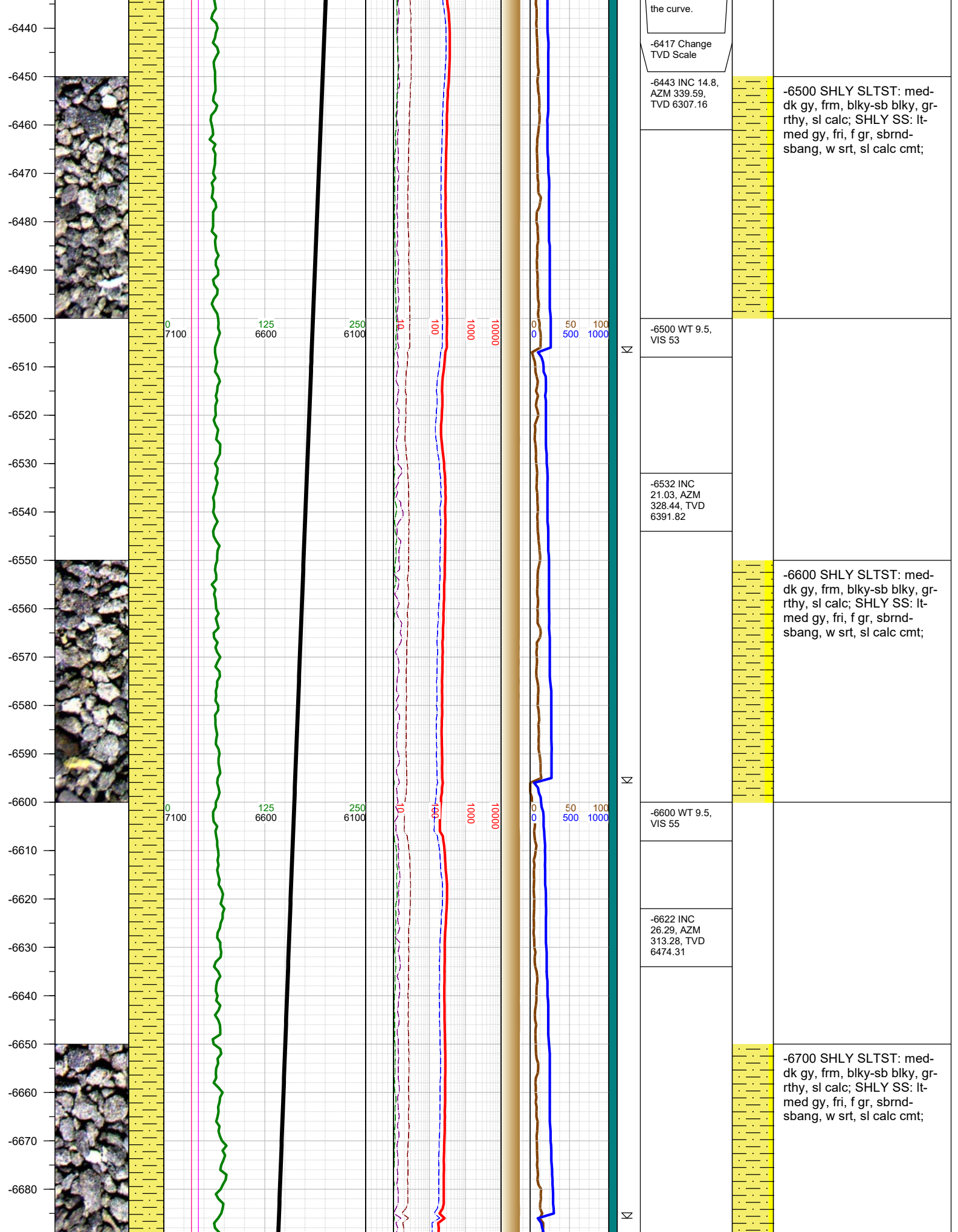




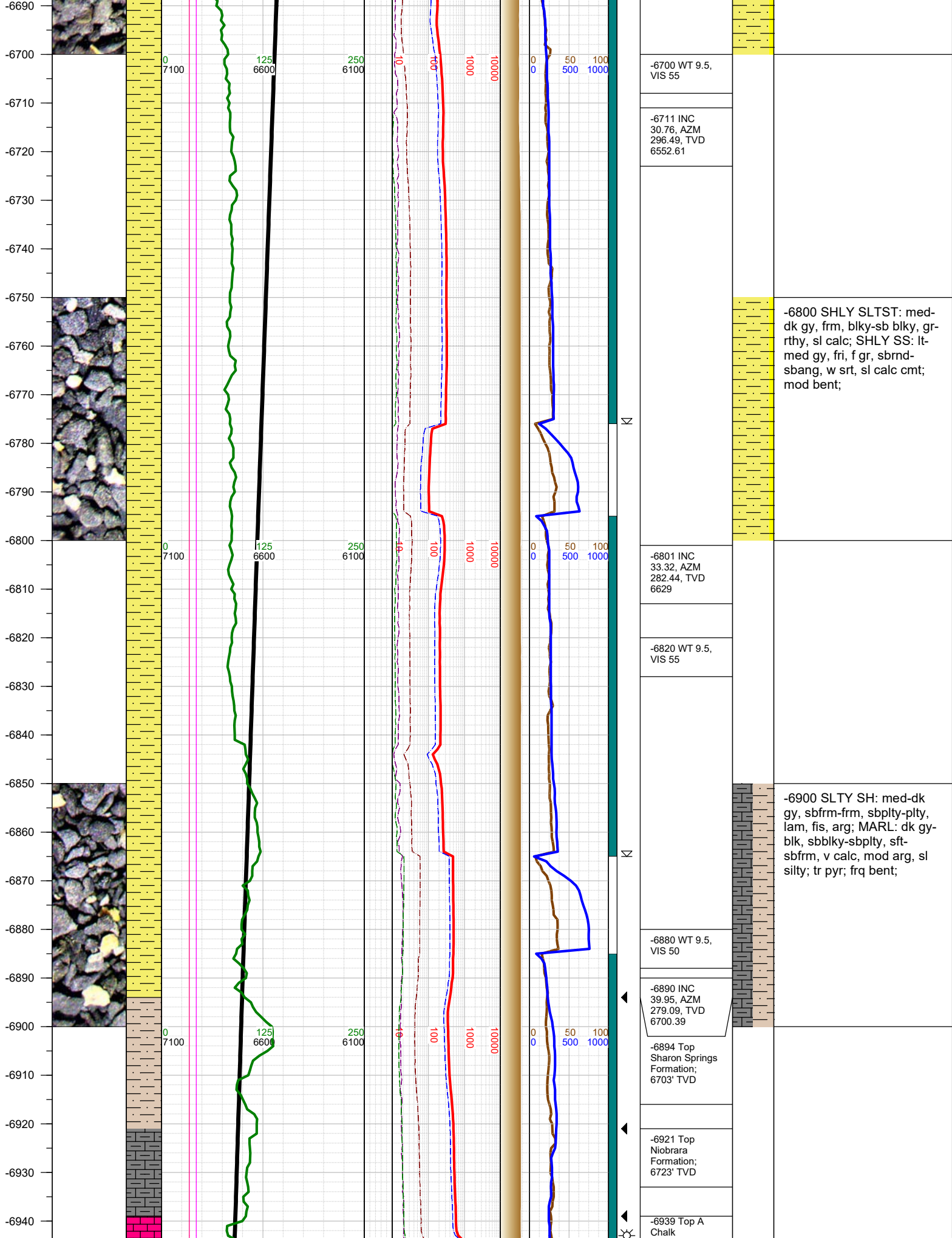




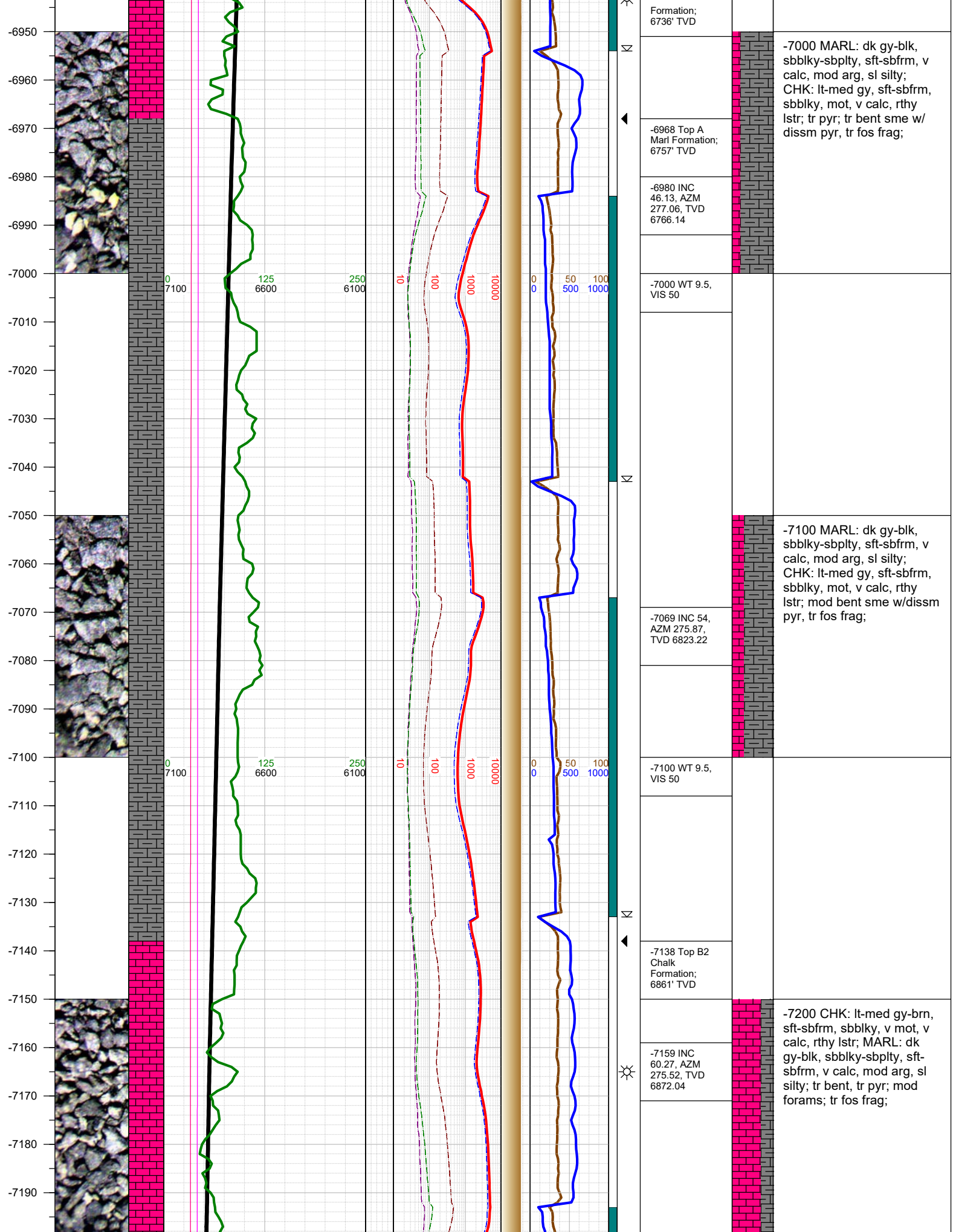


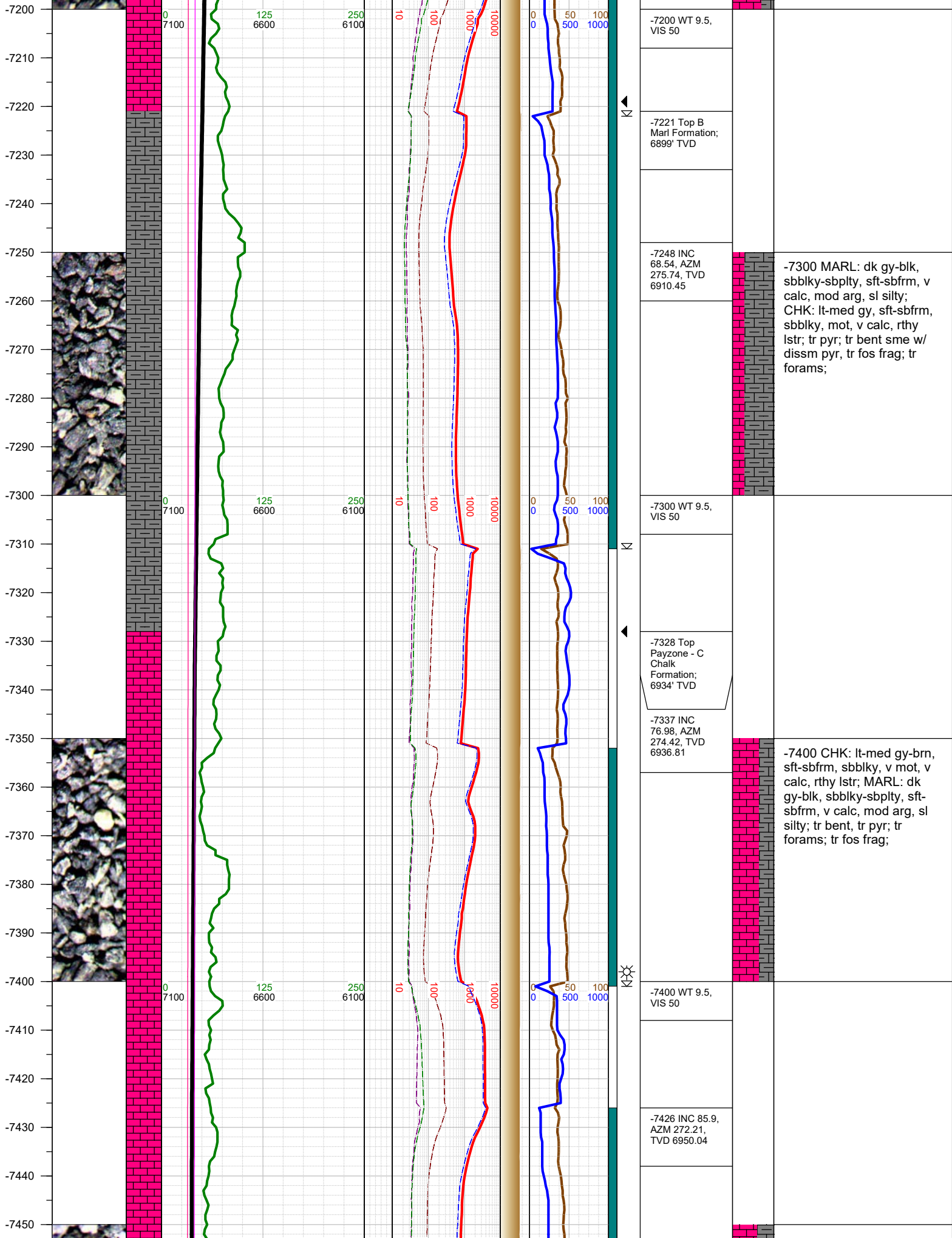


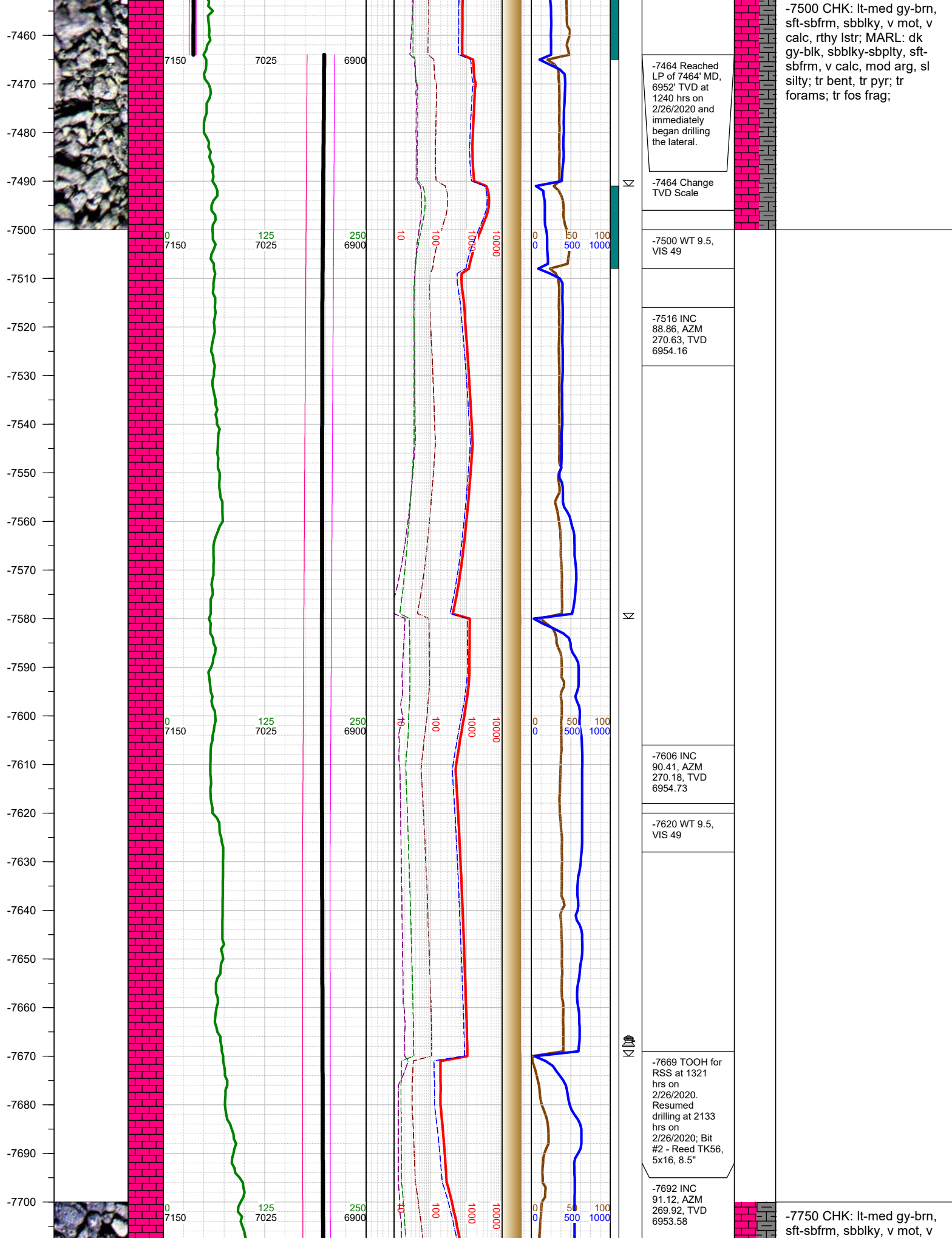




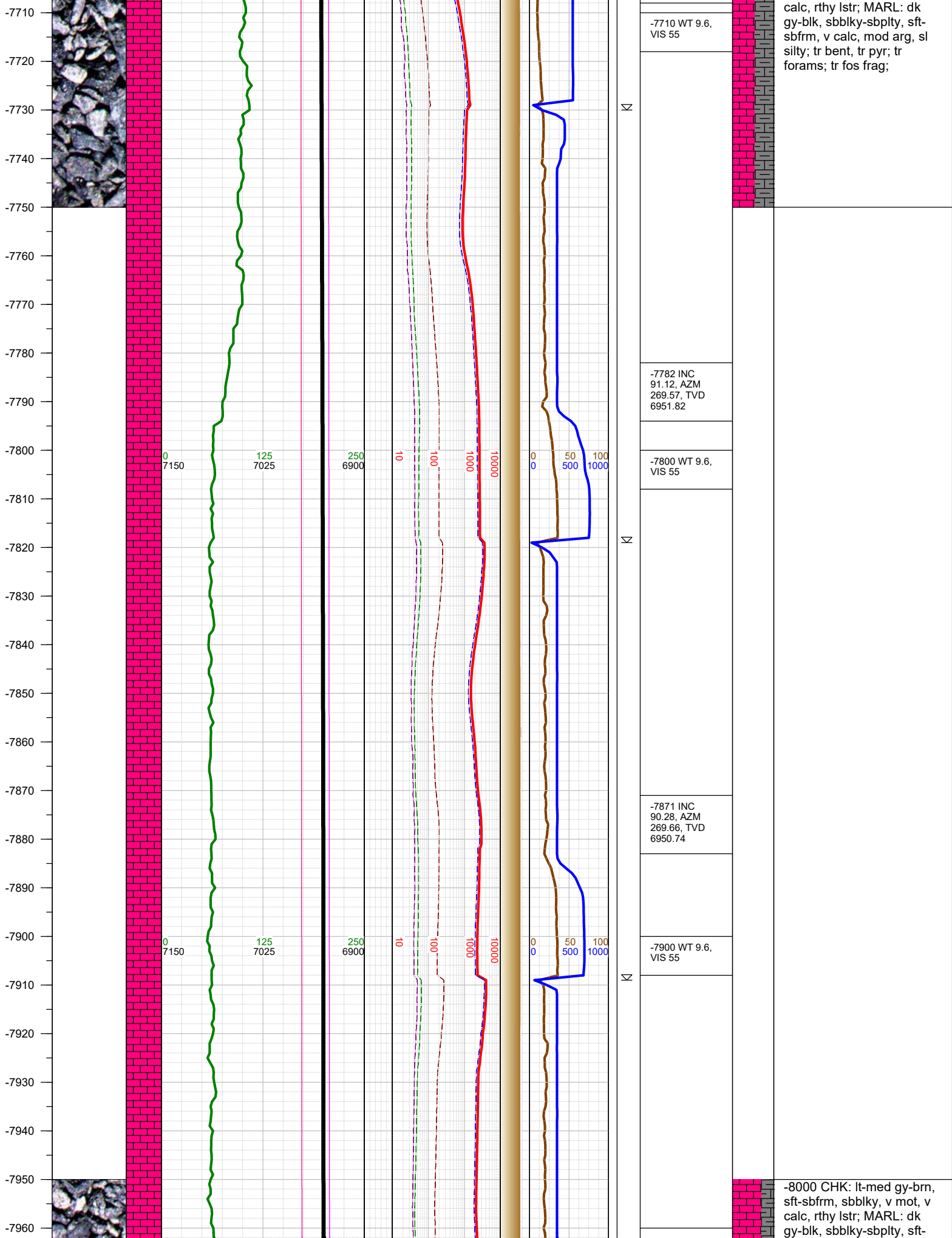




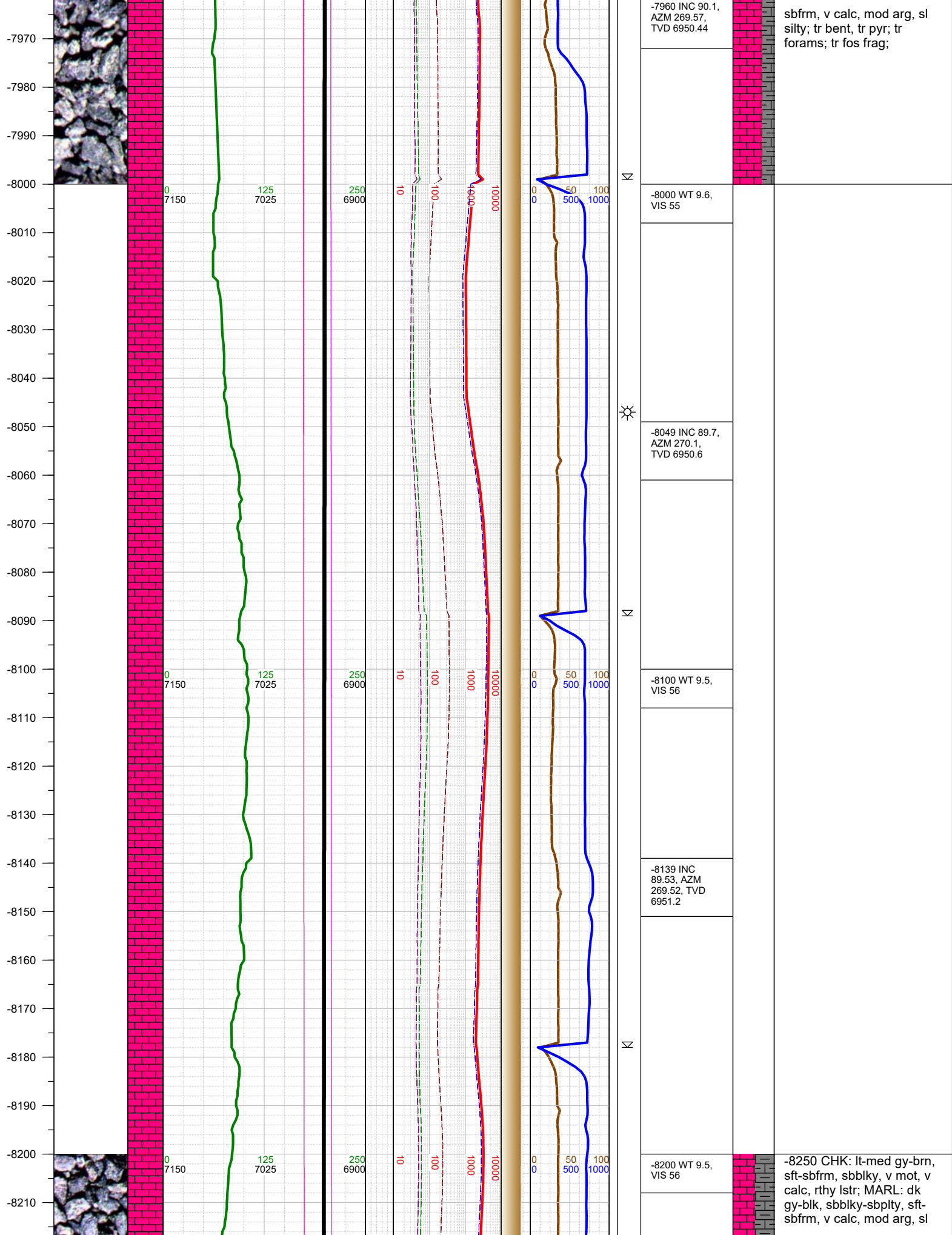


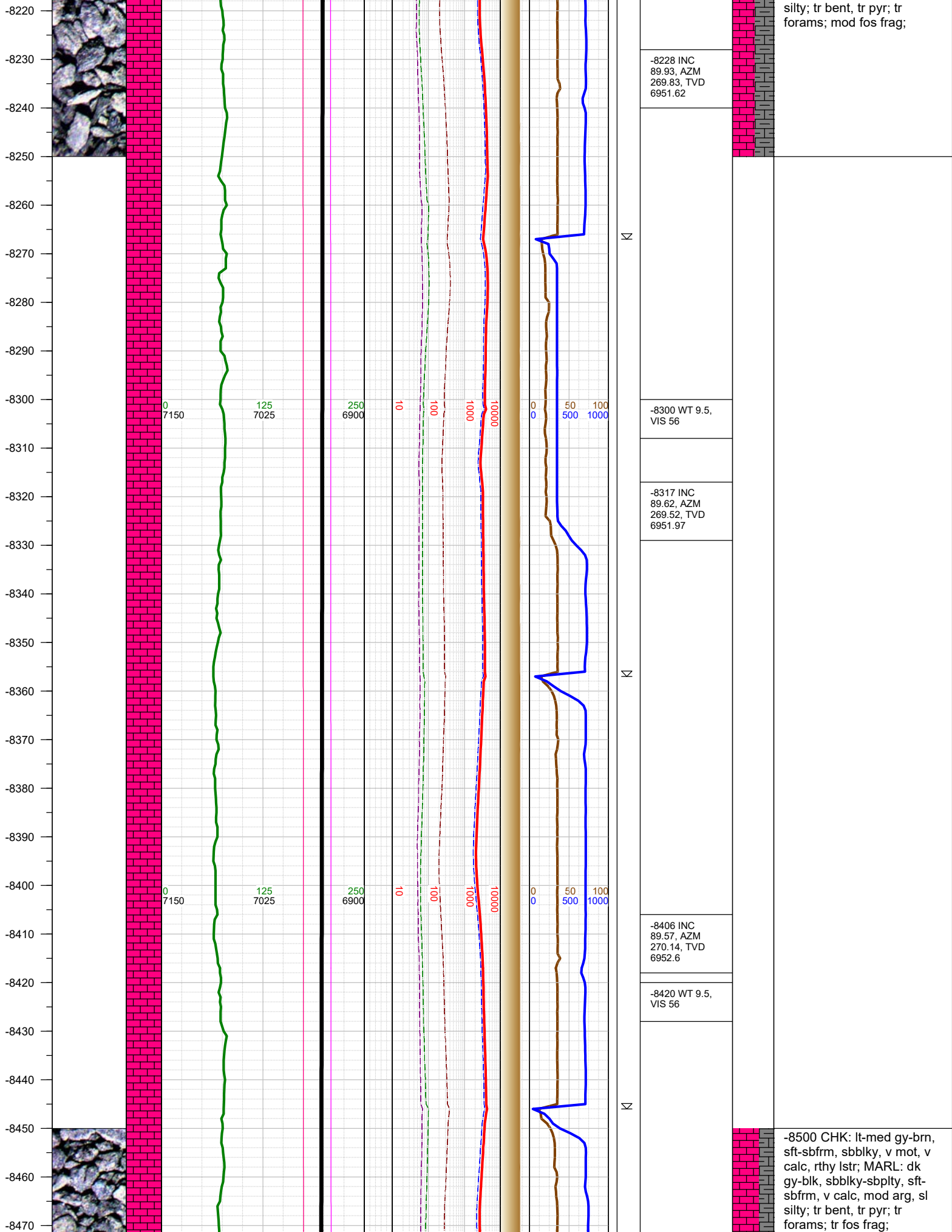


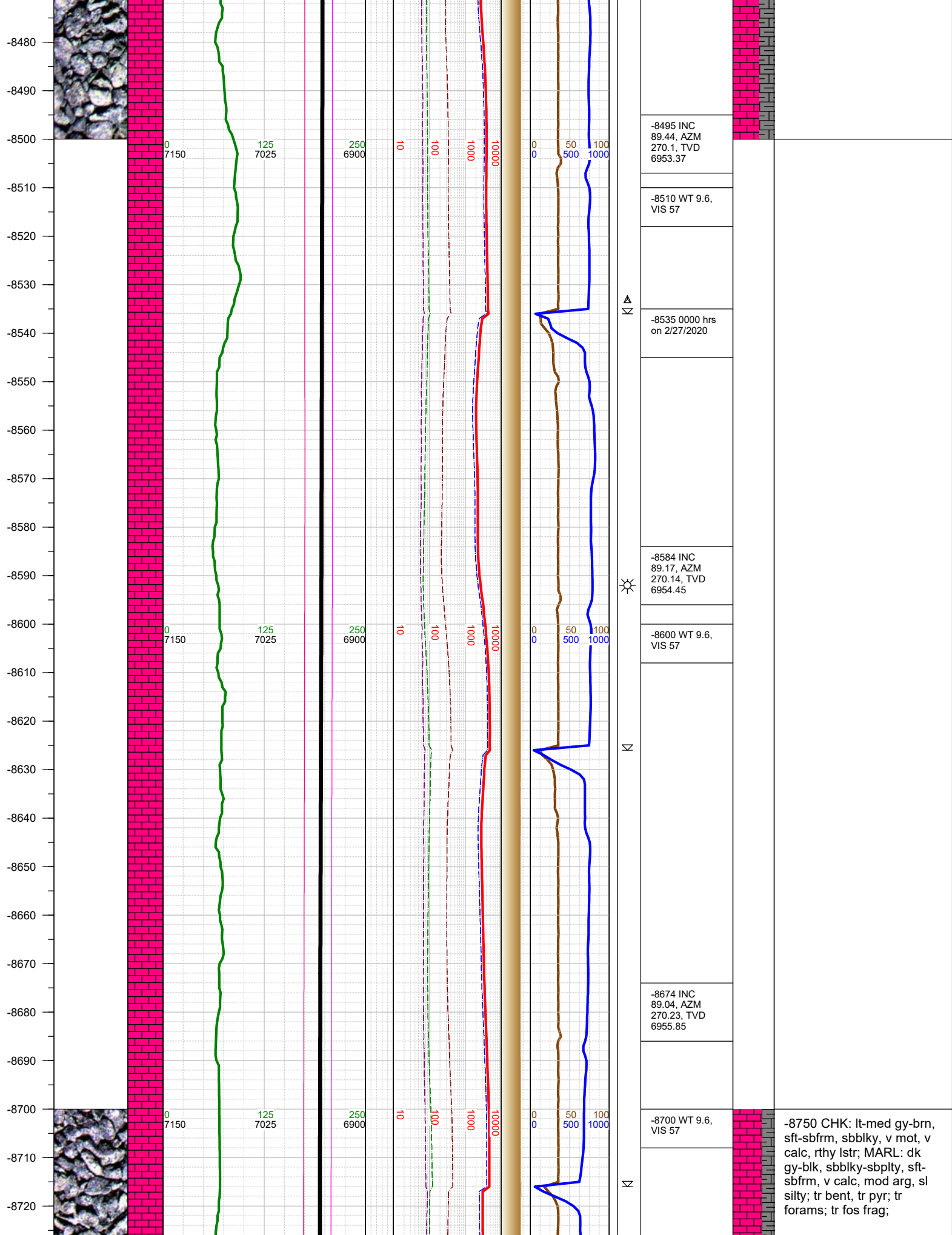




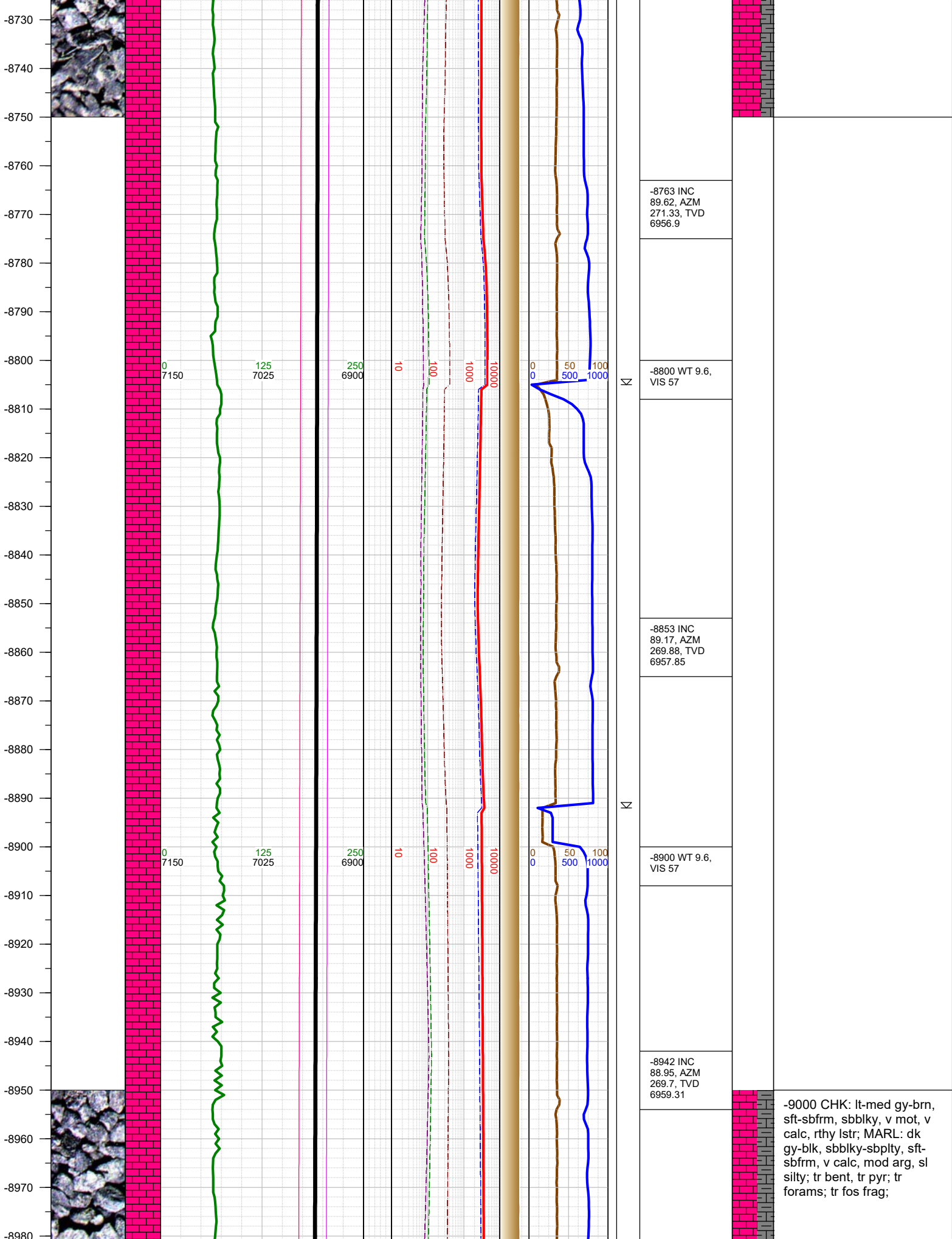


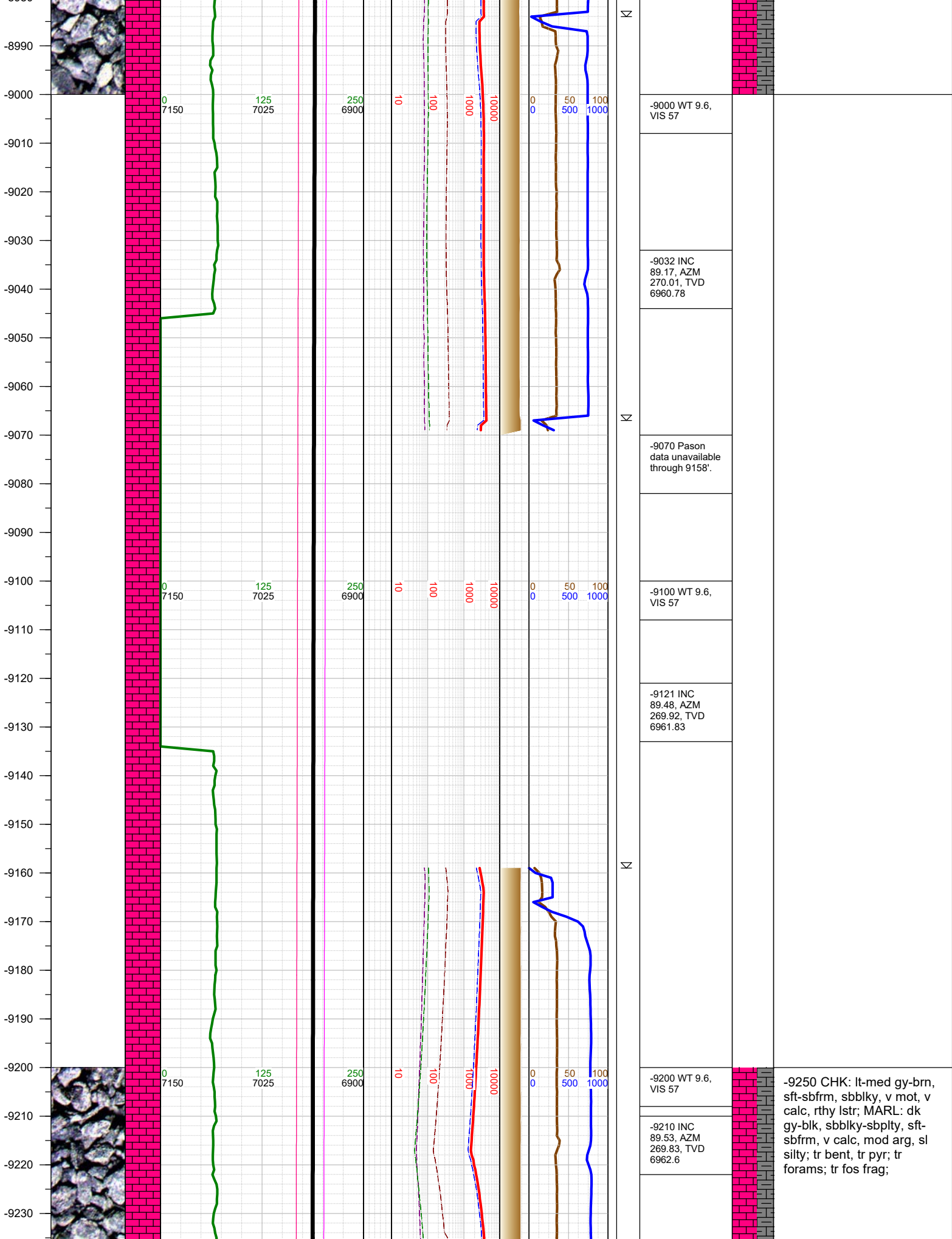


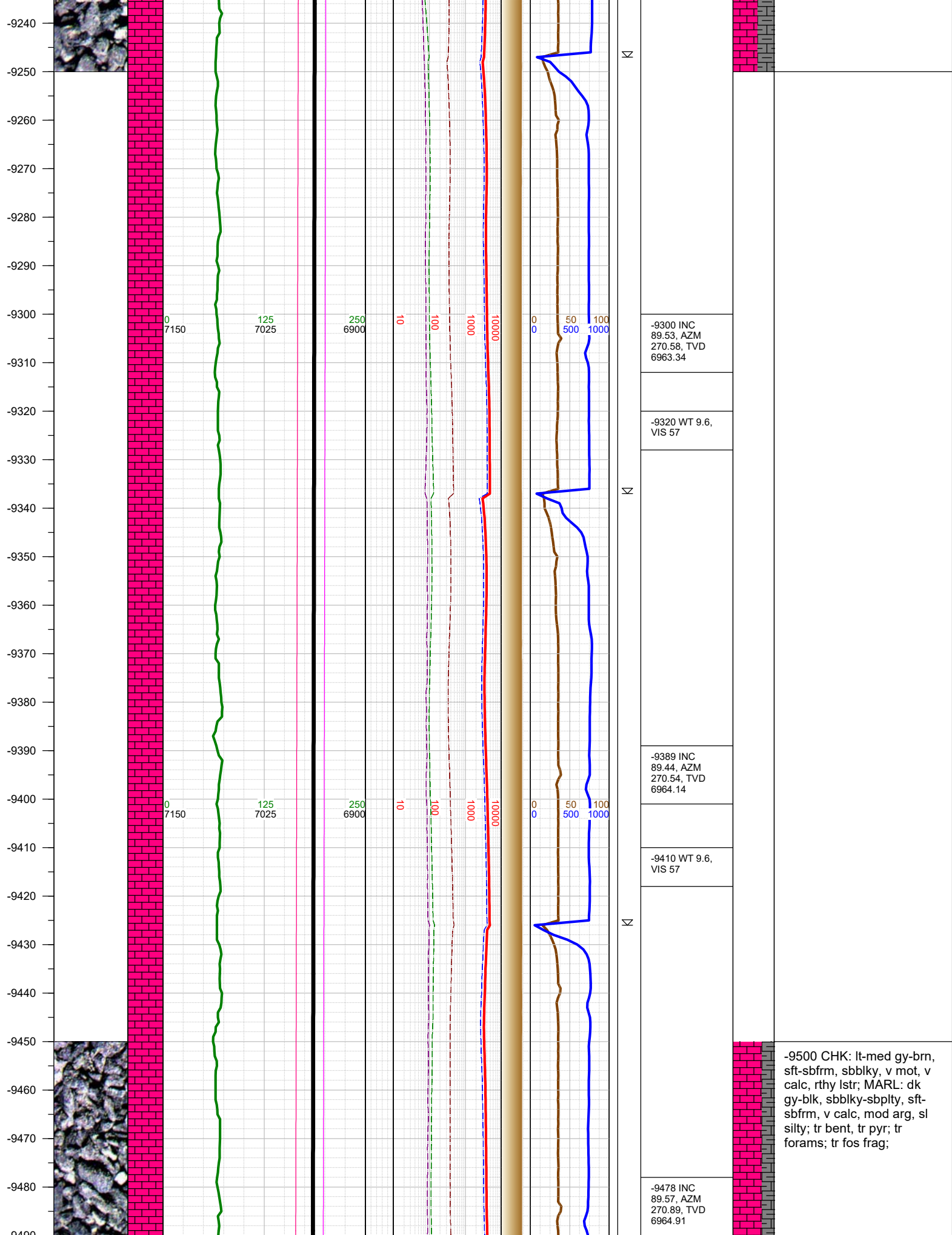




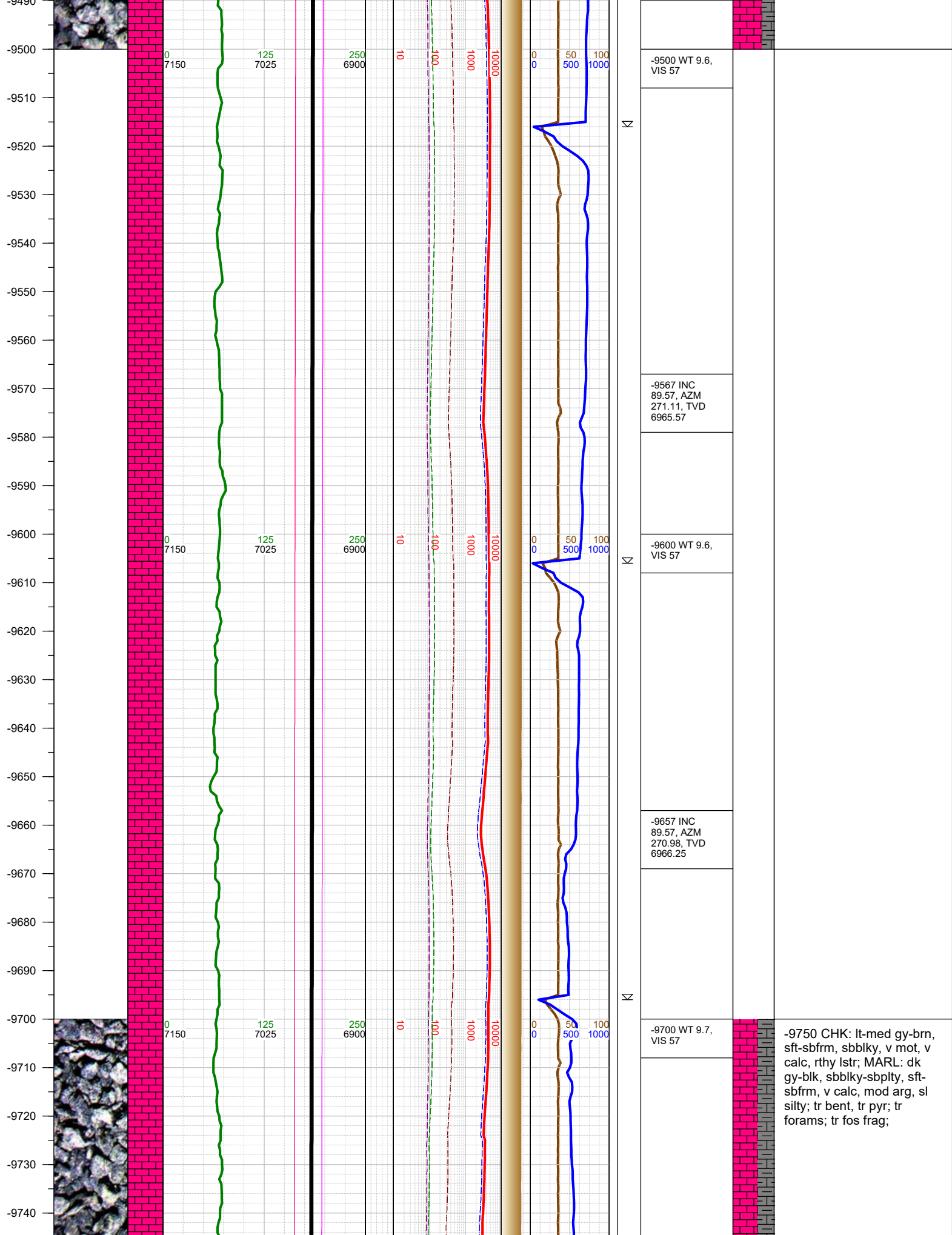


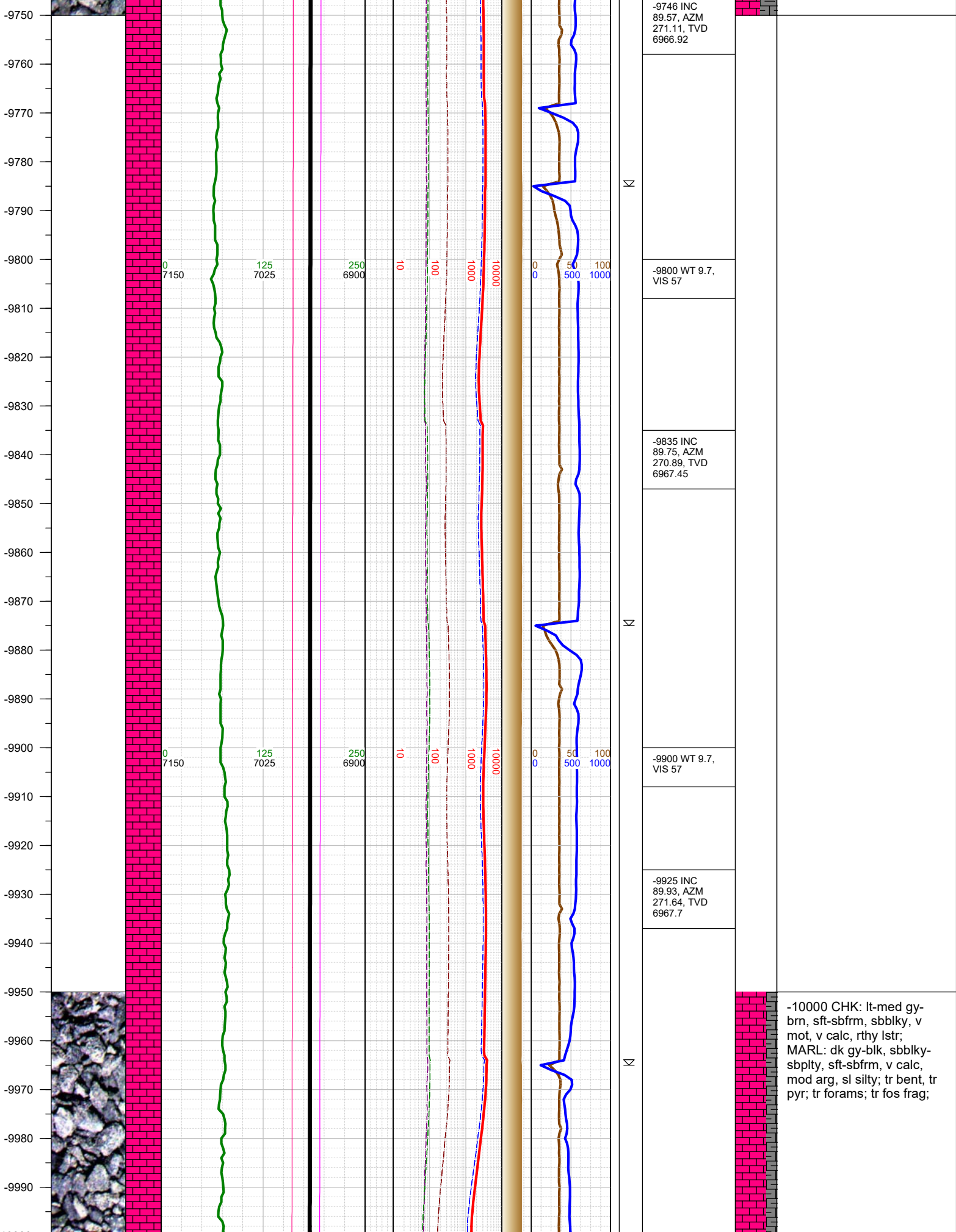


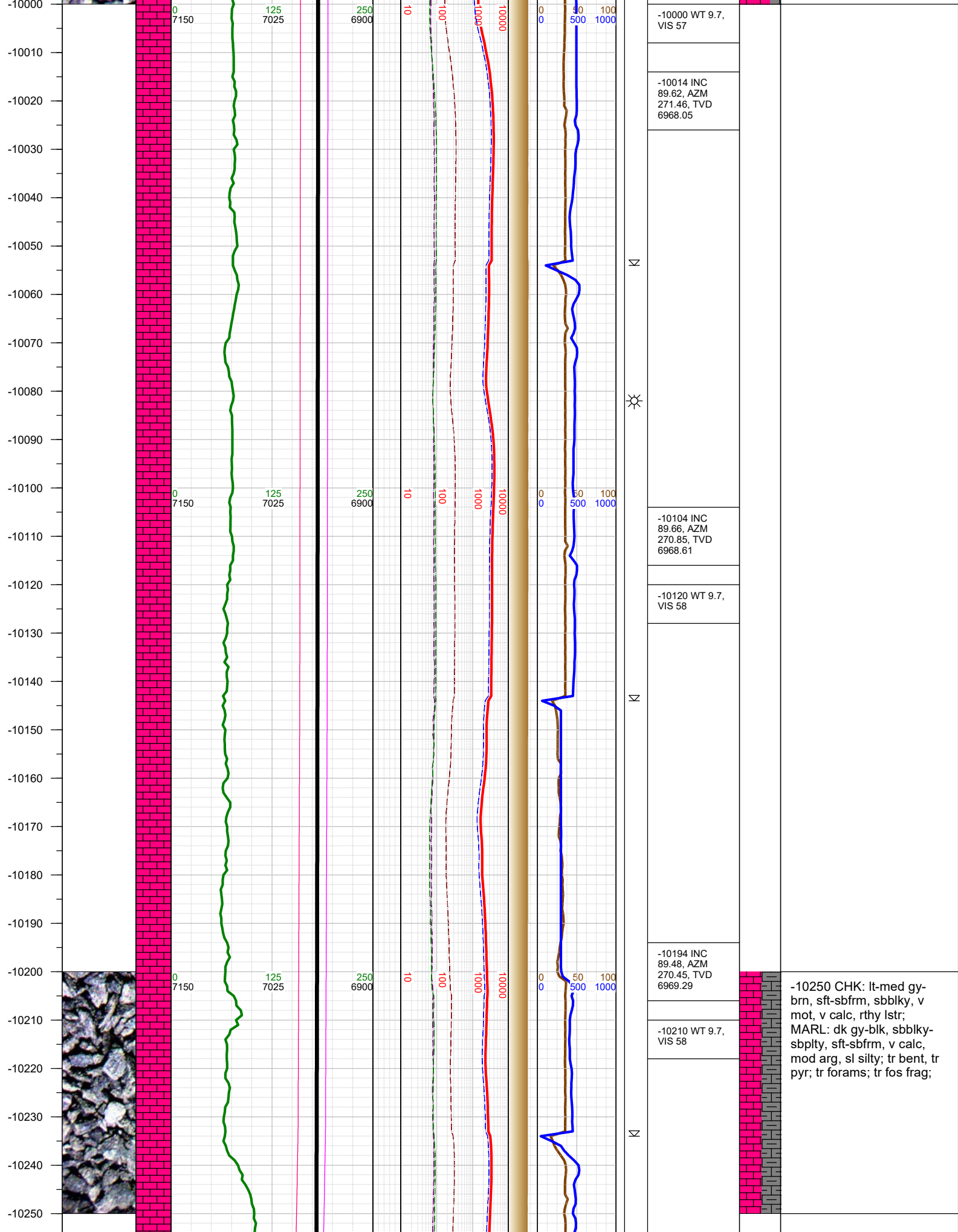




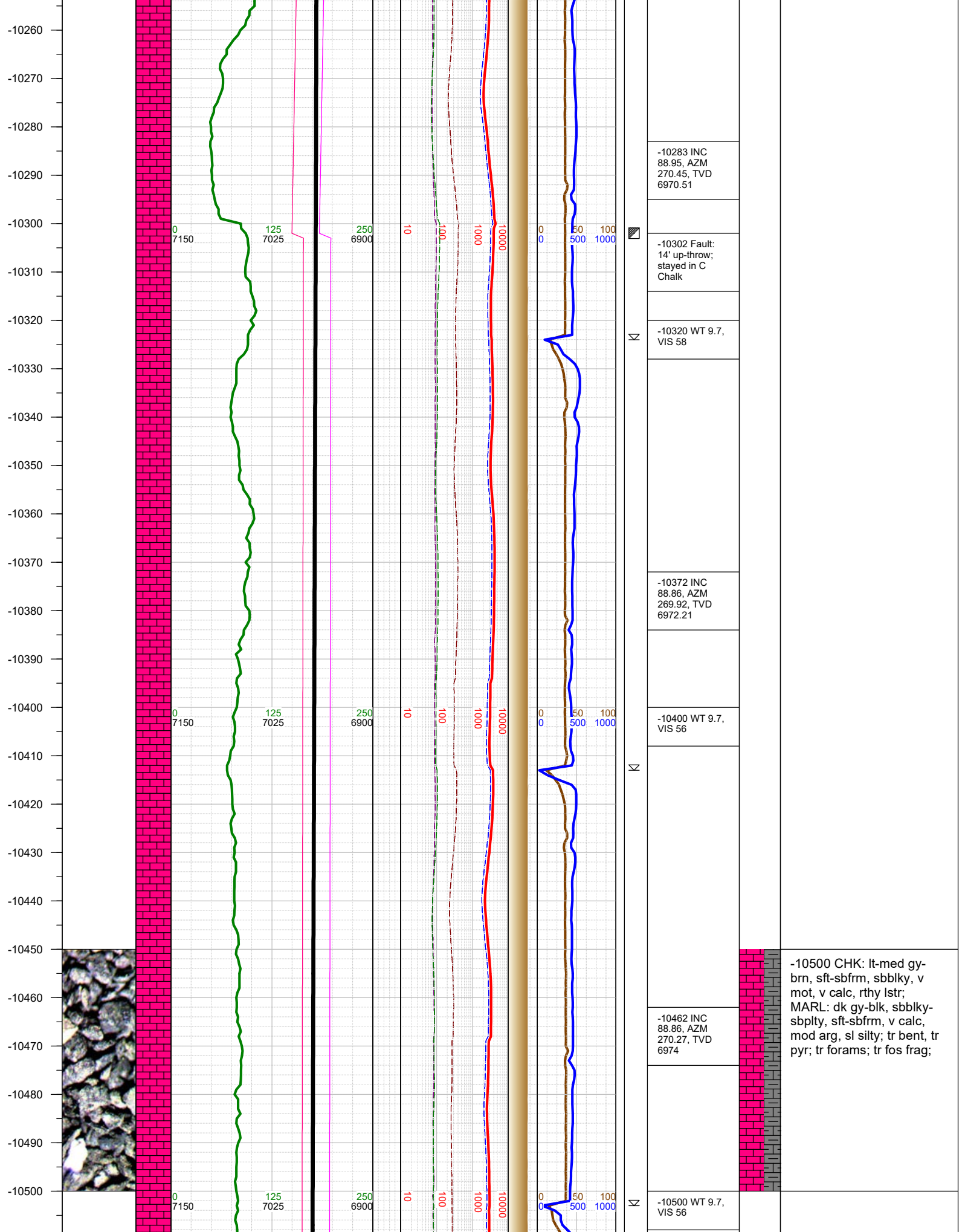


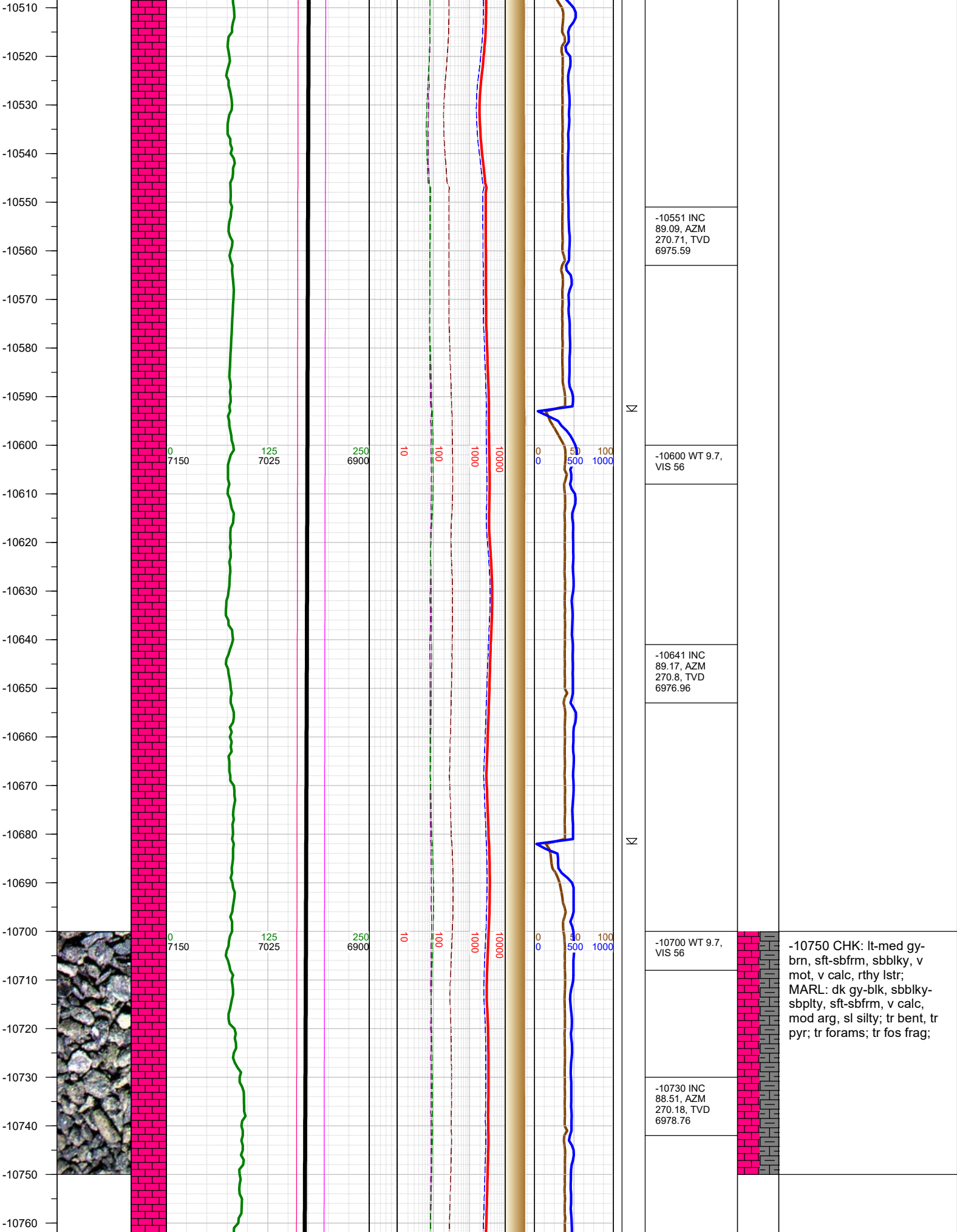


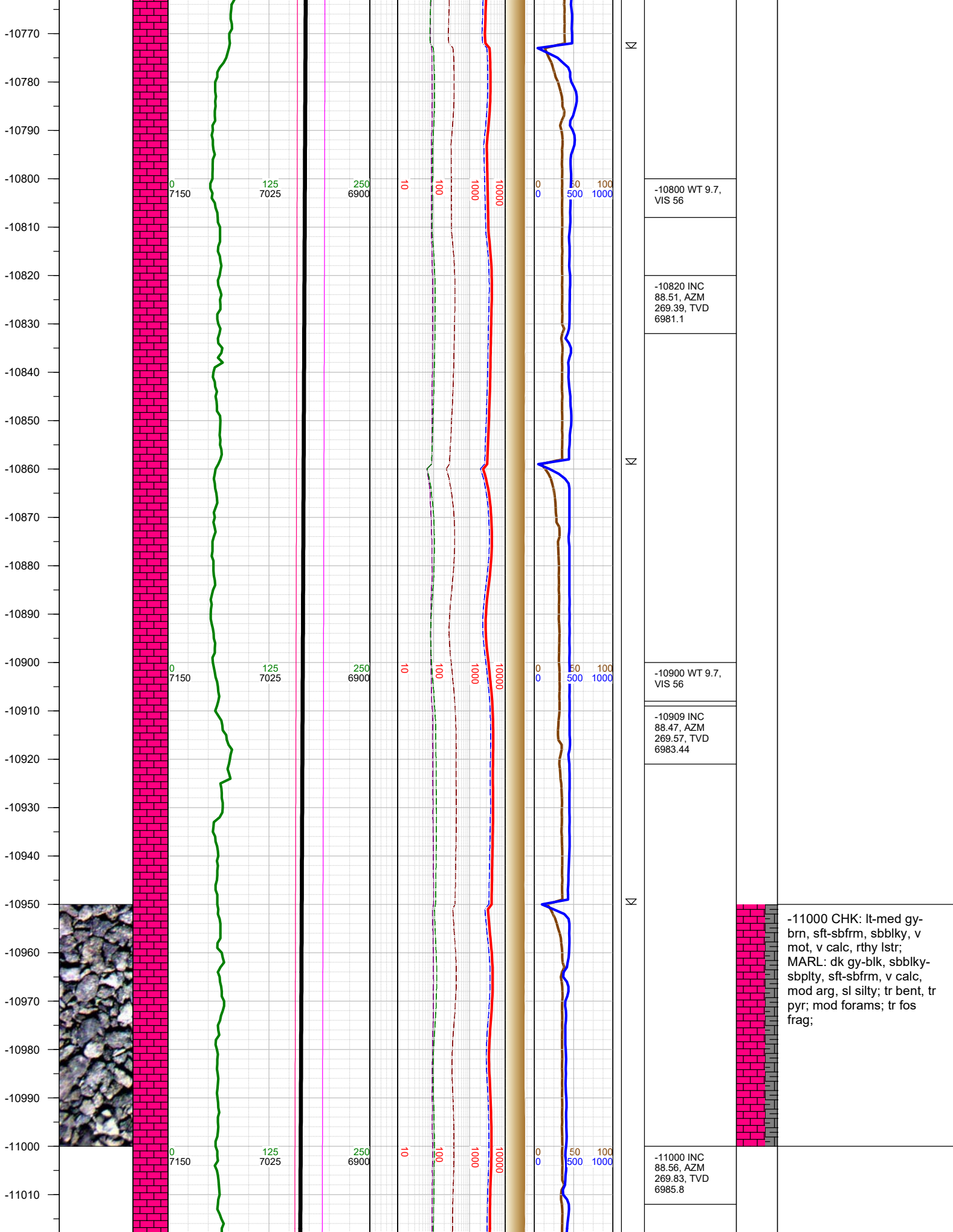






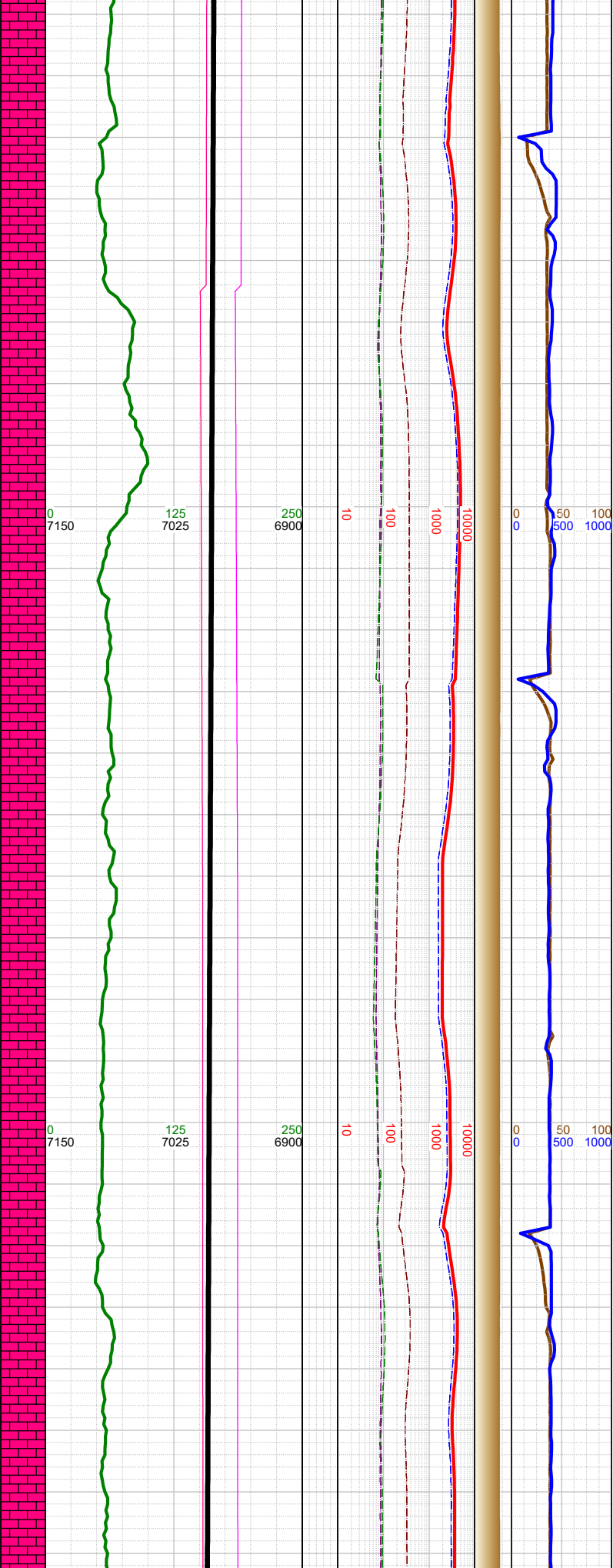
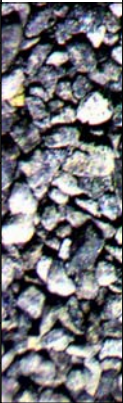




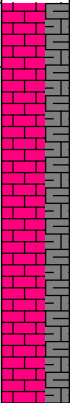




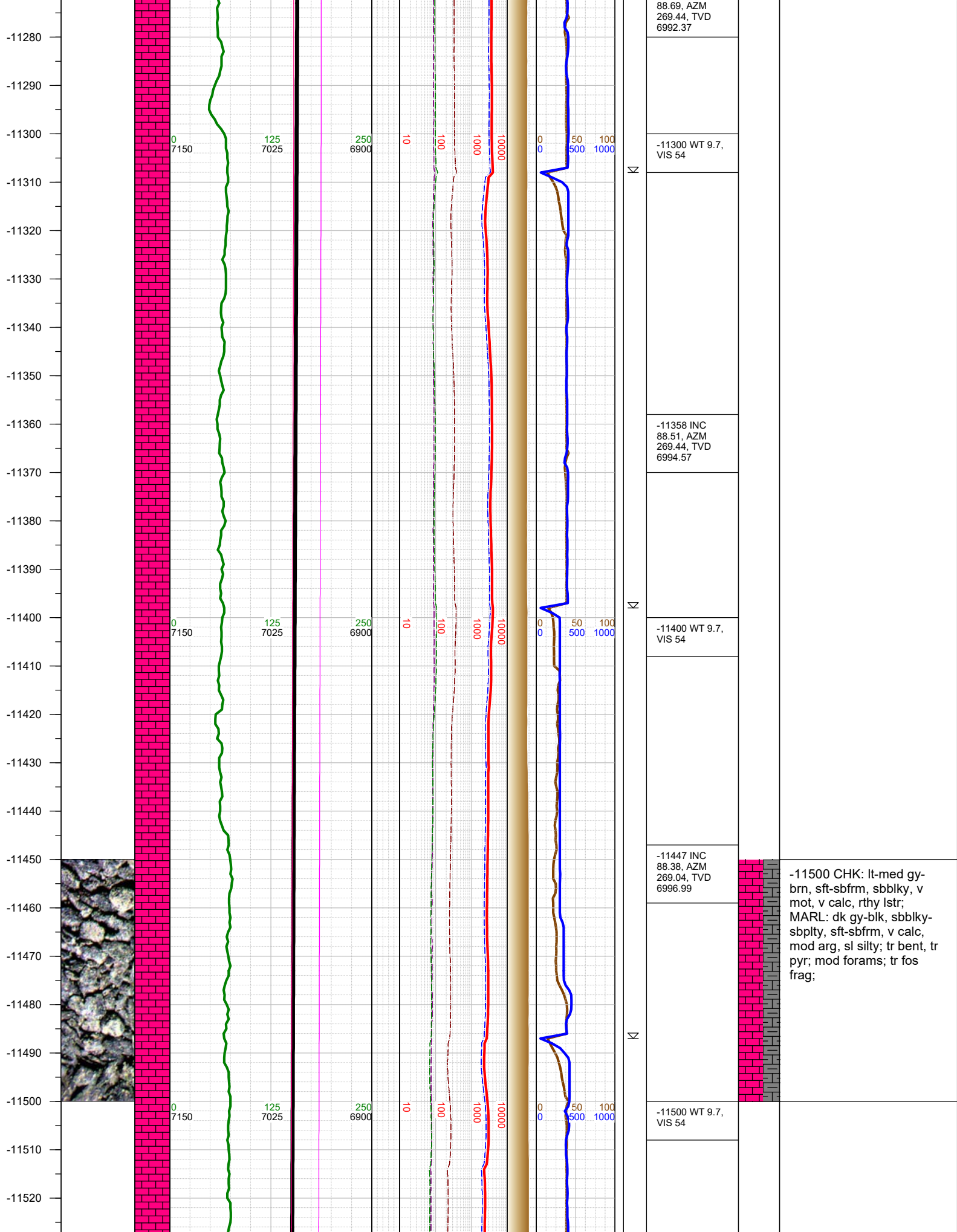
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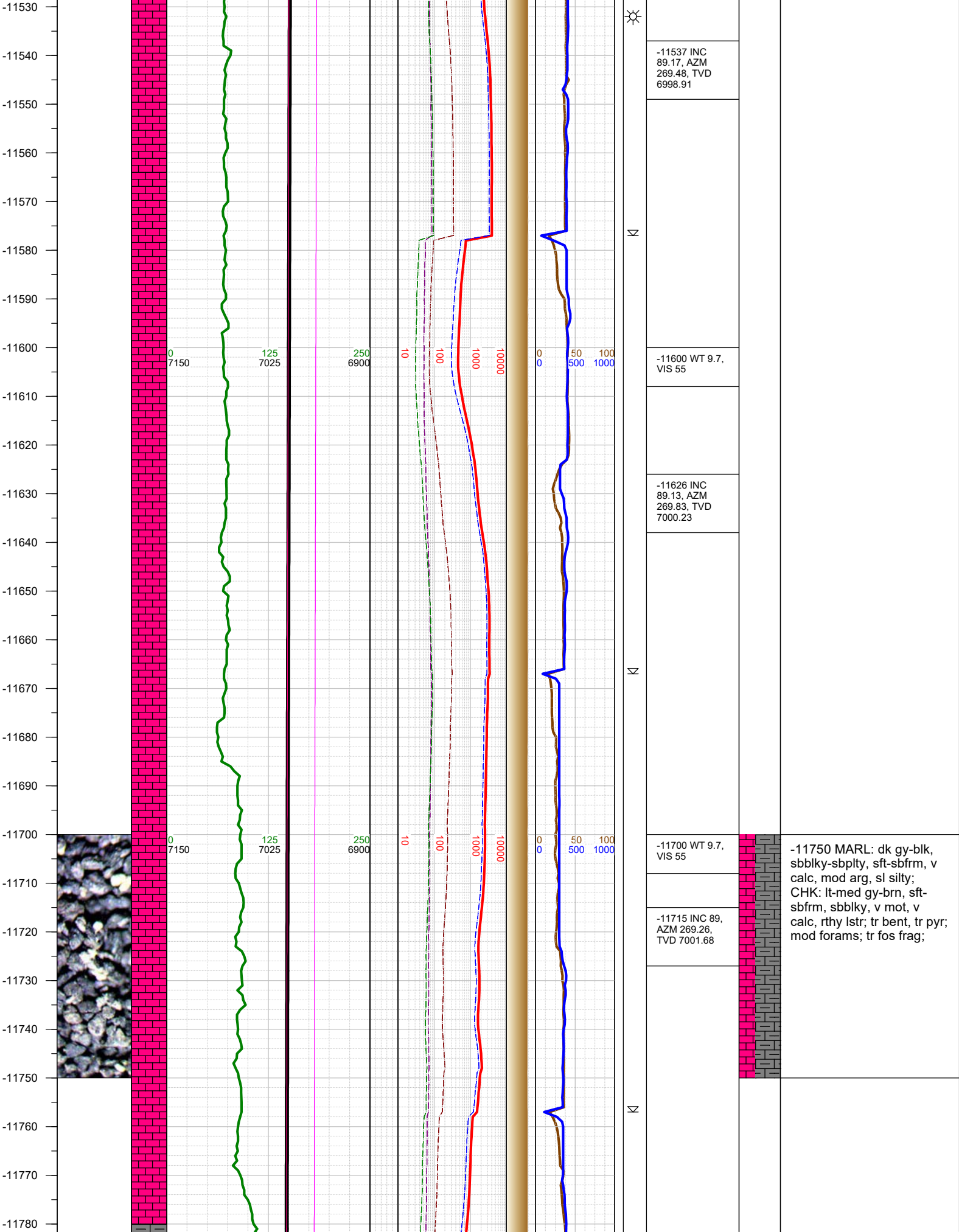


⌵	-11020 WT 9.7, VIS 54
▣	-11064 Fault: 6' down-throw; stayed in C Chalk
☀	-11089 INC 88.47, AZM 269.66, TVD 6988.11
	-11110 WT 9.7, VIS 54
⌵	
	-11178 INC 88.69, AZM 270.1, TVD 6990.31
⌵	-11200 WT 9.7, VIS 54
	-11268 INC

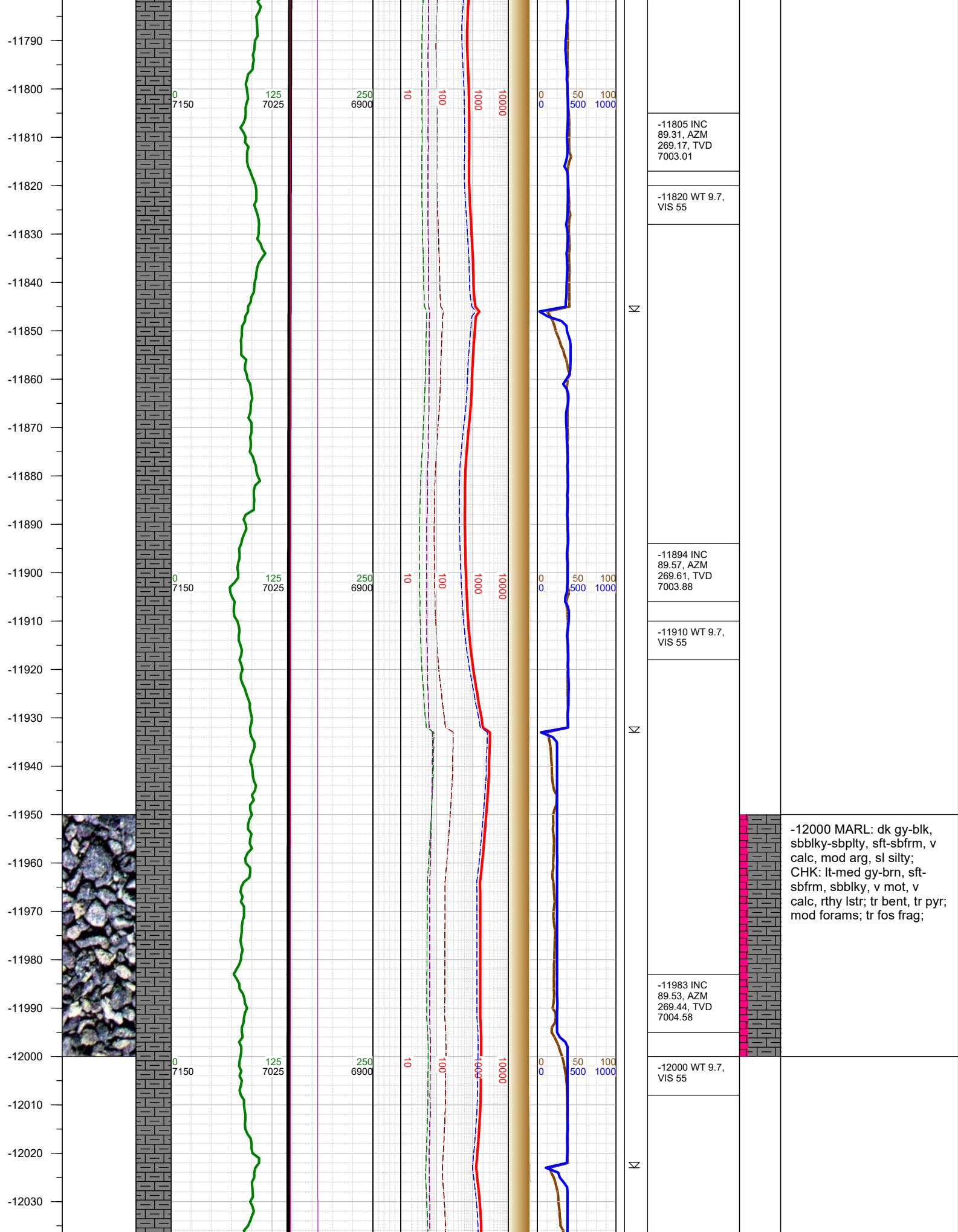


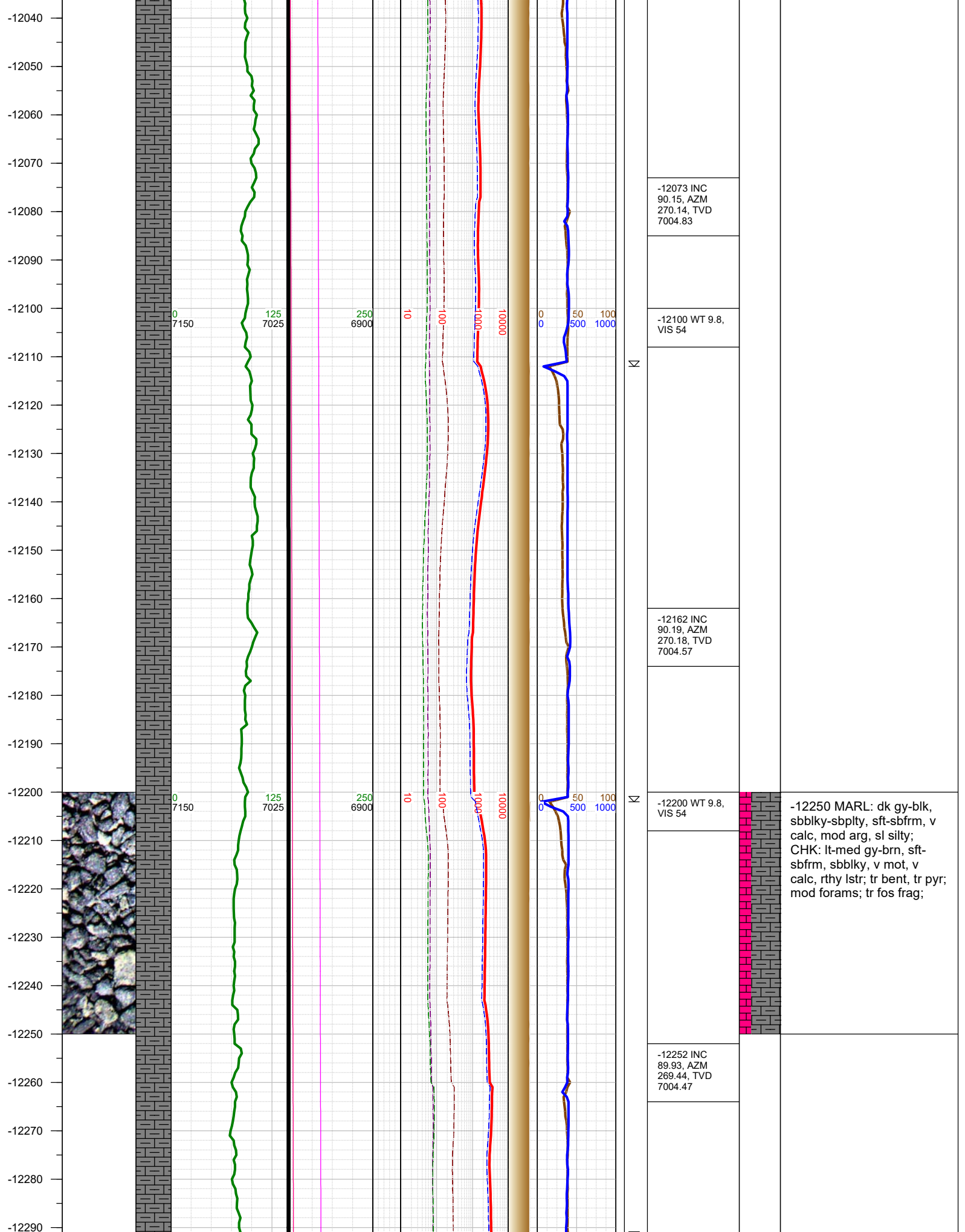
-11250 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, v mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr bent, tr pyr; mod forams; tr fos frag;

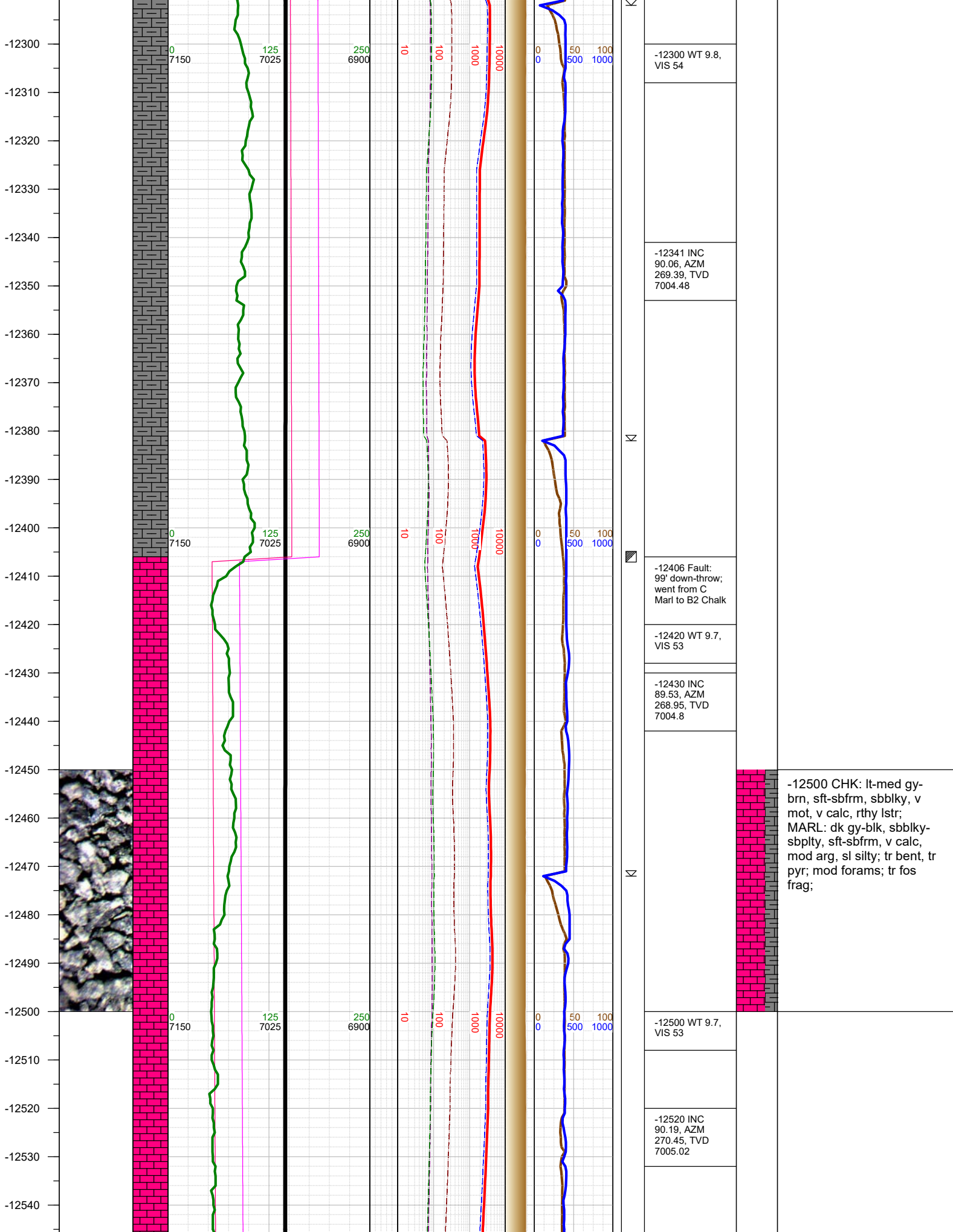






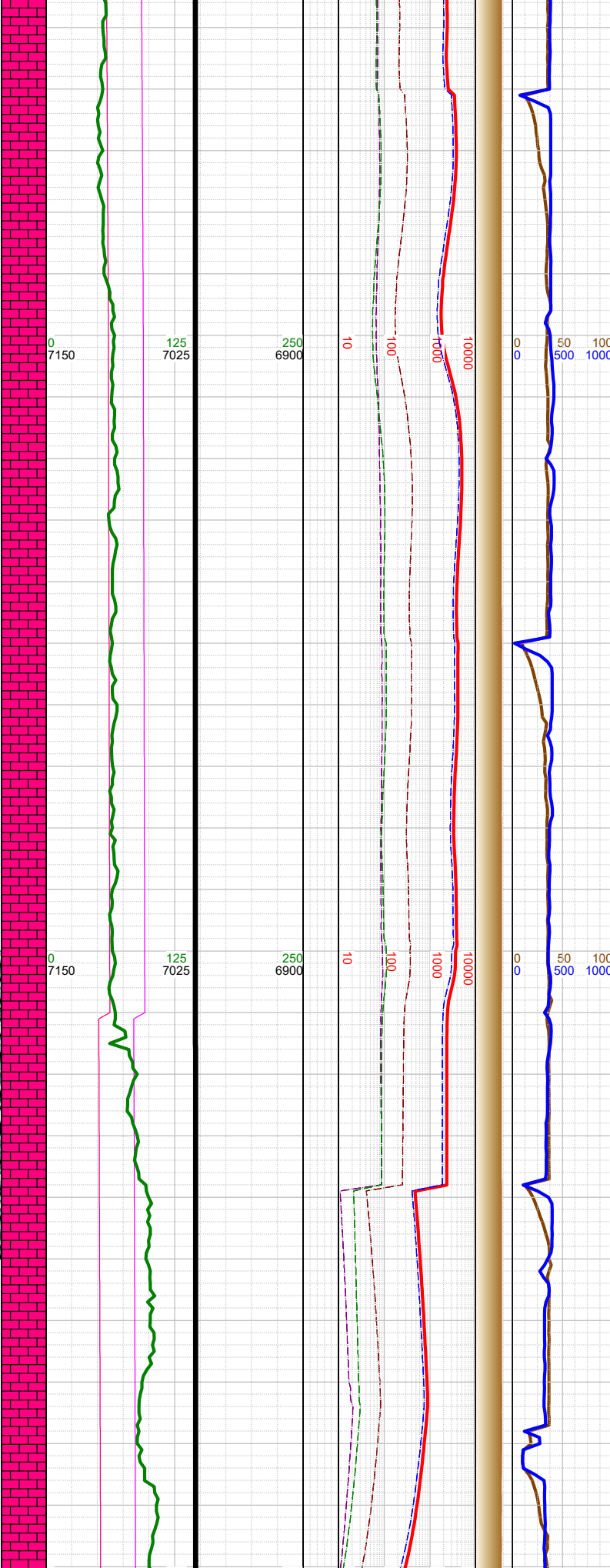
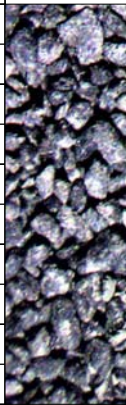




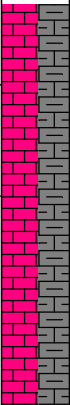




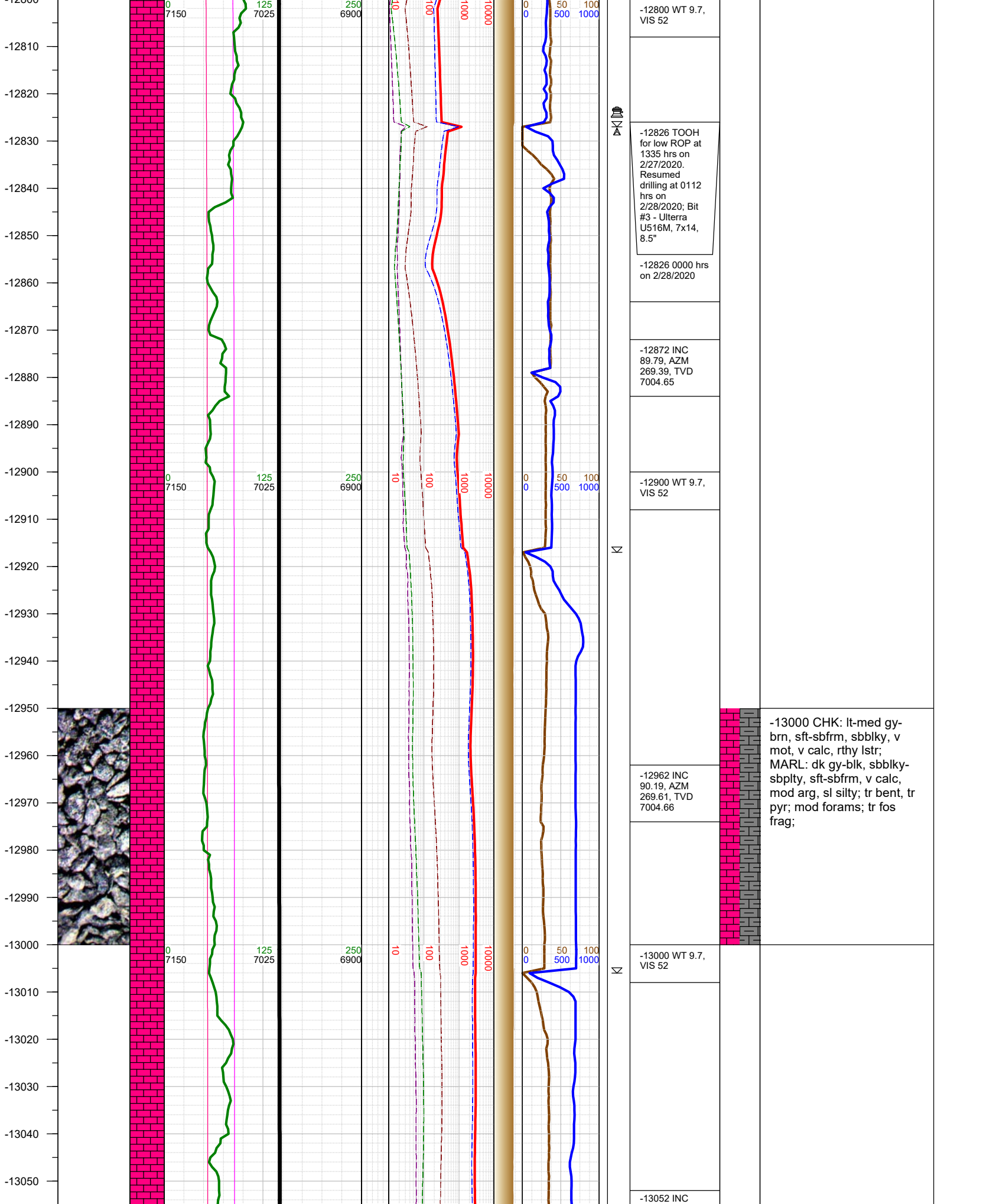
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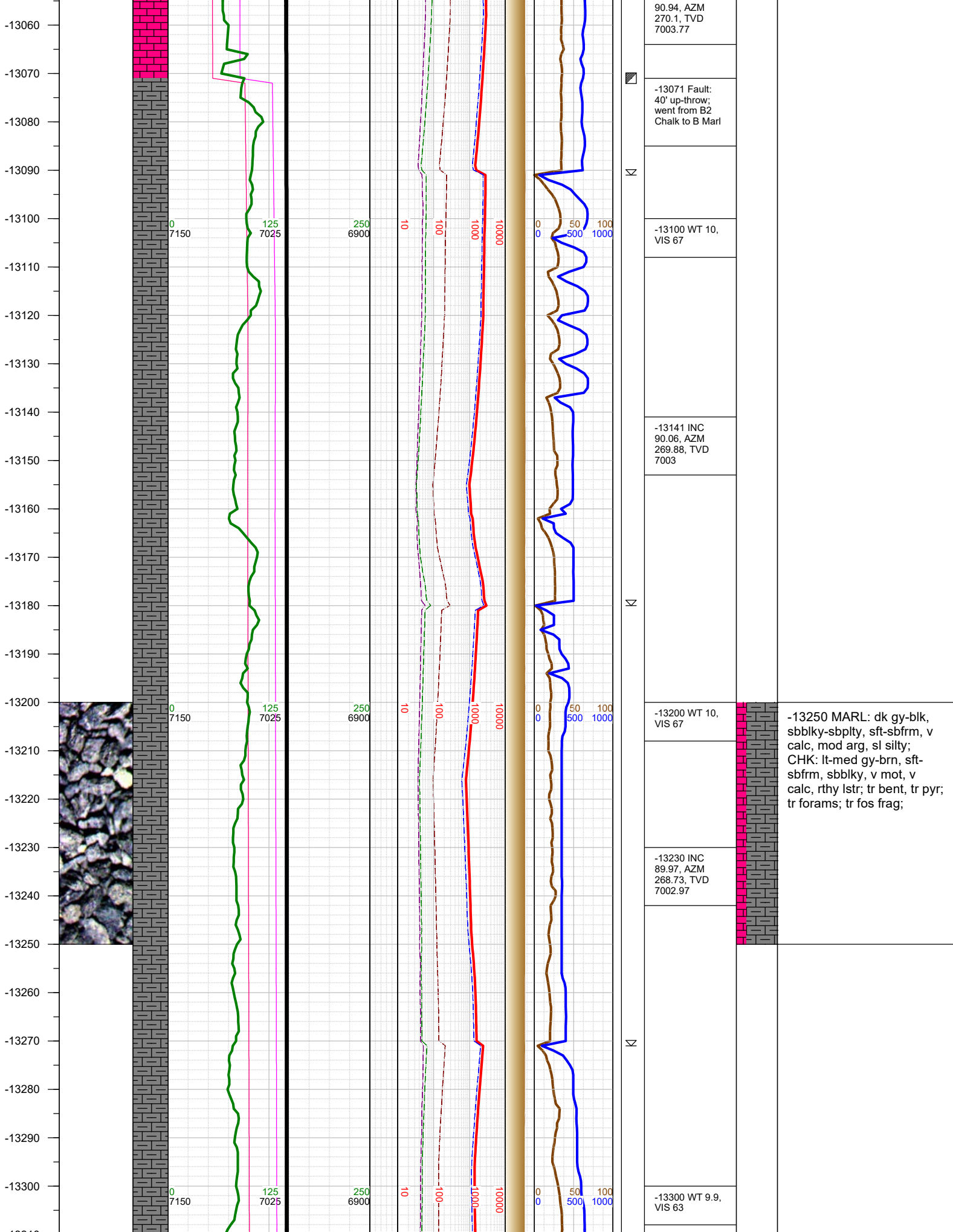


N	☀	-12600 WT 9.7, VIS 53
		-12609 INC 89.88, AZM 269.17, TVD 7004.96
N	☀	-12690 WT 9.7, VIS 52
		-12699 INC 90.19, AZM 269.92, TVD 7004.91
N	☀	-12710 Fault: 11' down-throw; stayed in B2 Chalk
		-12783 INC 90.19, AZM 269.13, TVD 7004.63

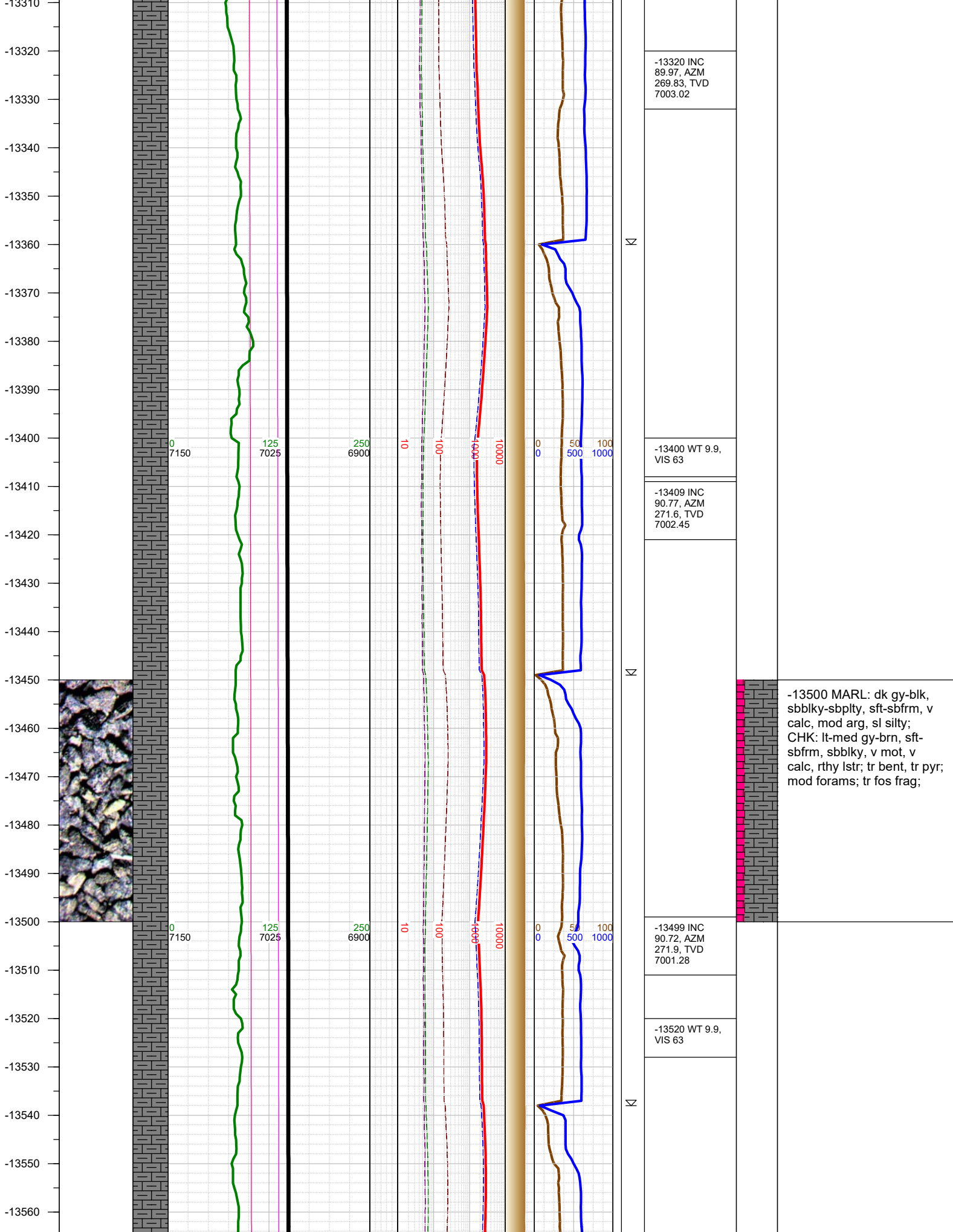


-12750 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, v mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr bent, tr pyr; mod forams; tr fos frag;

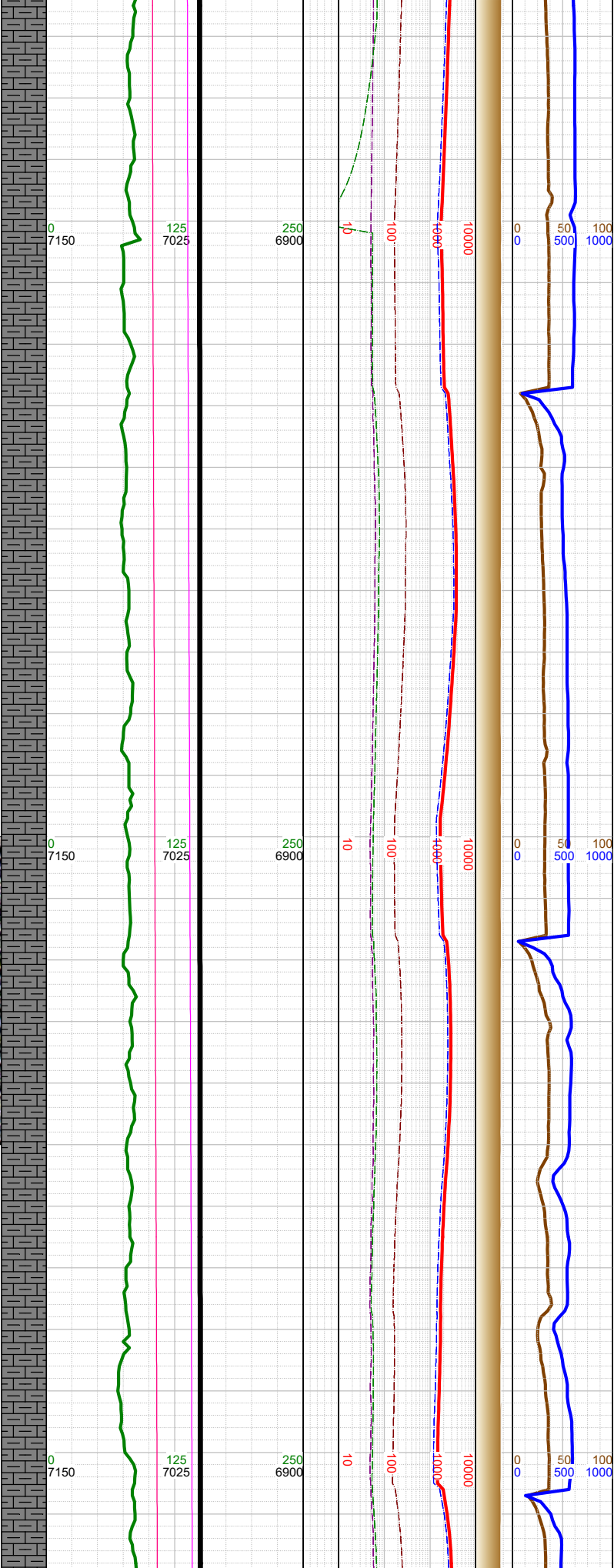
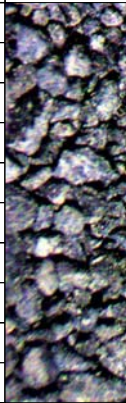




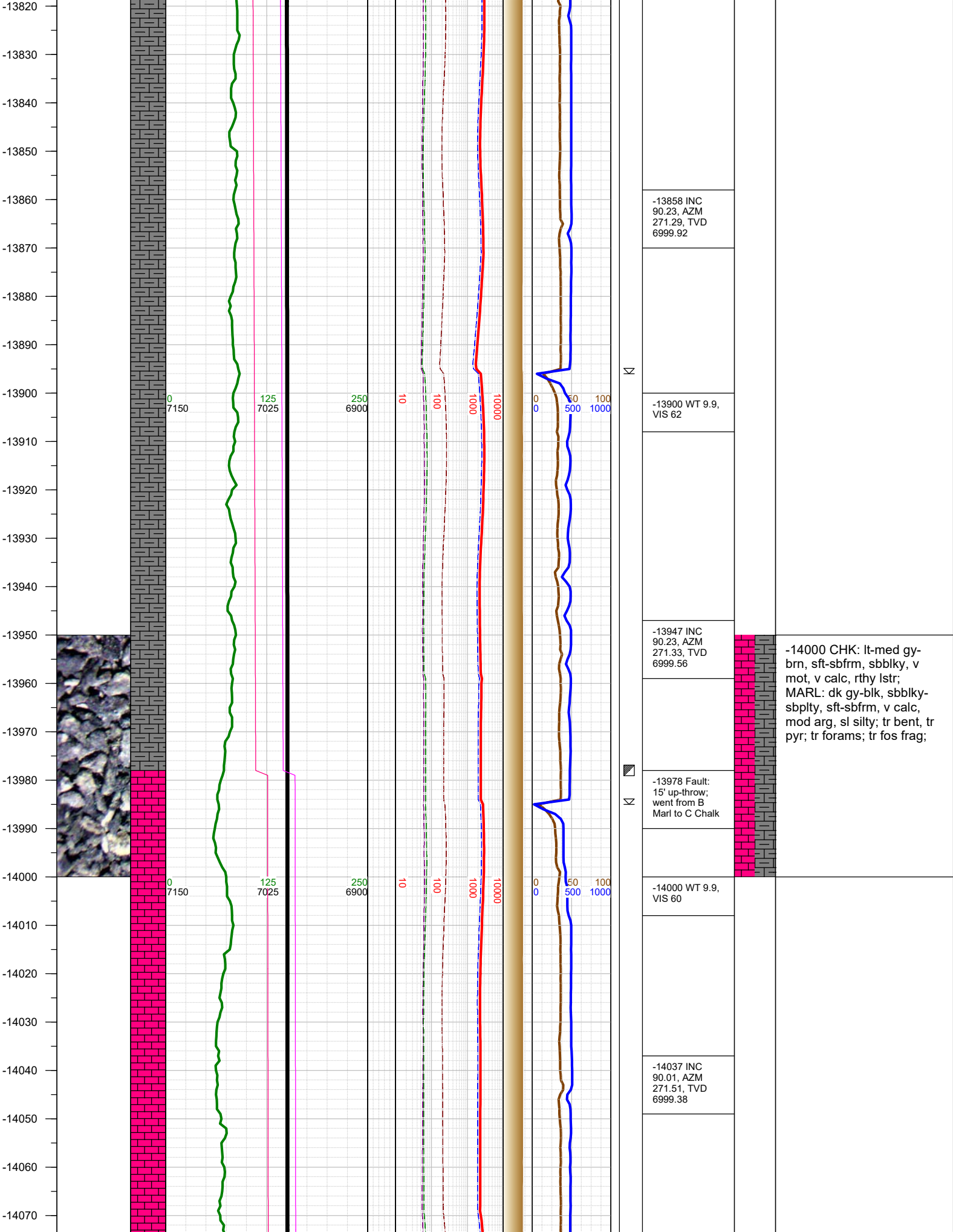




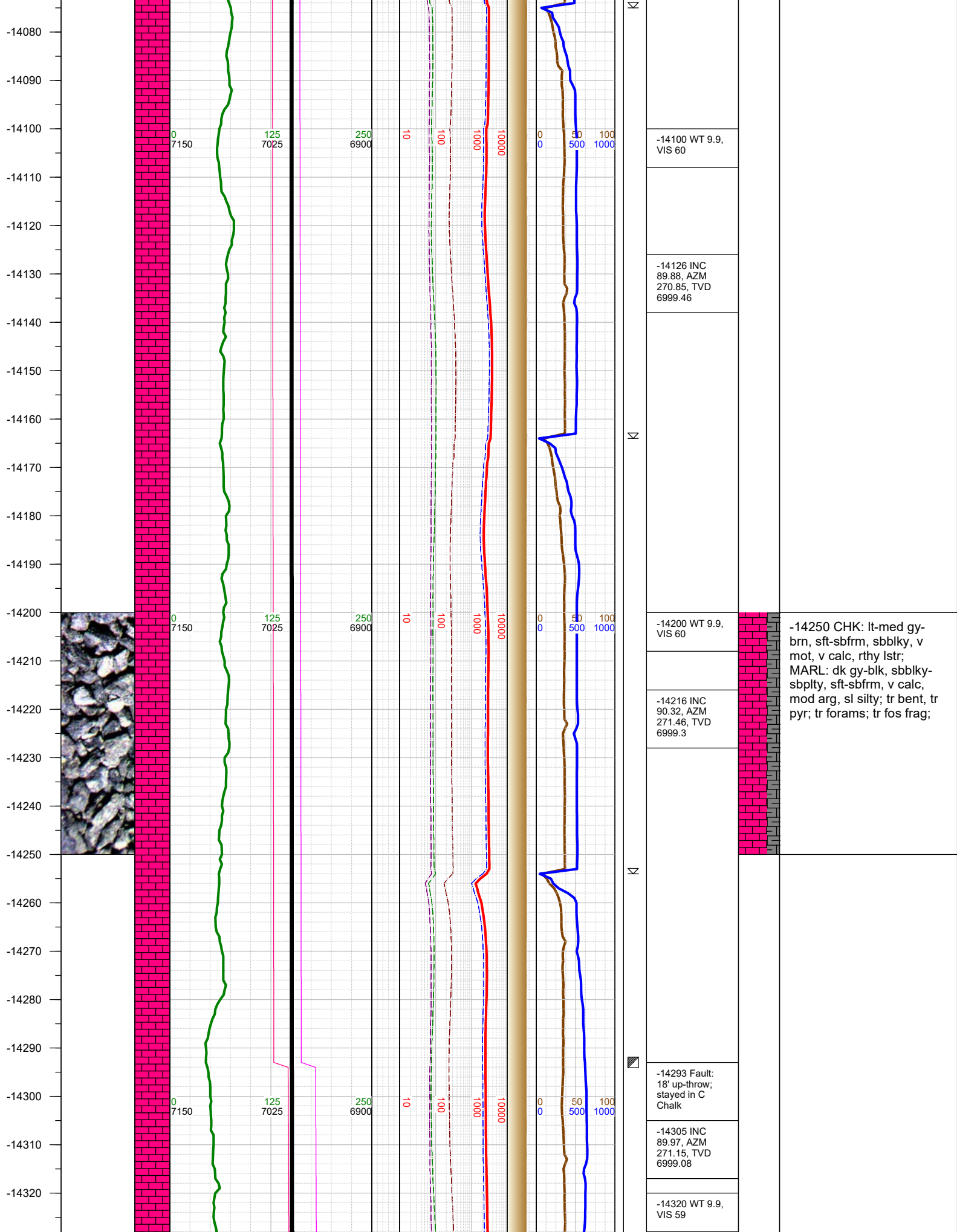
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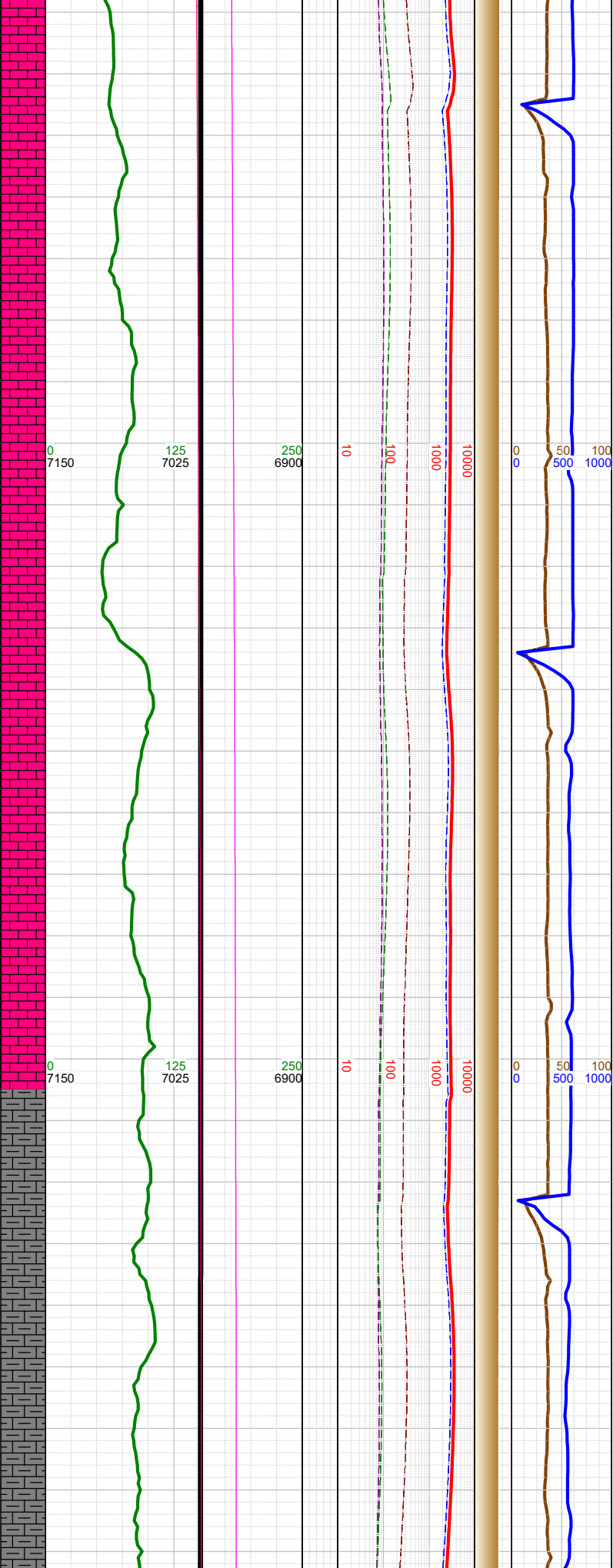
N	-13589 INC 89.88, AZM 271.55, TVD 7000.81		
	-13610 WT 9.9, VIS 63		
	-13679 INC 90.23, AZM 271.15, TVD 7000.72		
N	-13700 WT 9.9, VIS 62	-13750 MARL: dk gy-blk, sbbkly-sbpity, sft-sbfrm, v calc, mod arg, sl silty; CHK: lt-med gy-brn, sft- sbfrm, sbbkly, v mot, v calc, rthy lstr; tr bent, tr pyr; mod forams; tr fos frag;	
	-13768 INC 90.28, AZM 271.68, TVD 7000.32		
	-13800 WT 9.9, VIS 62		







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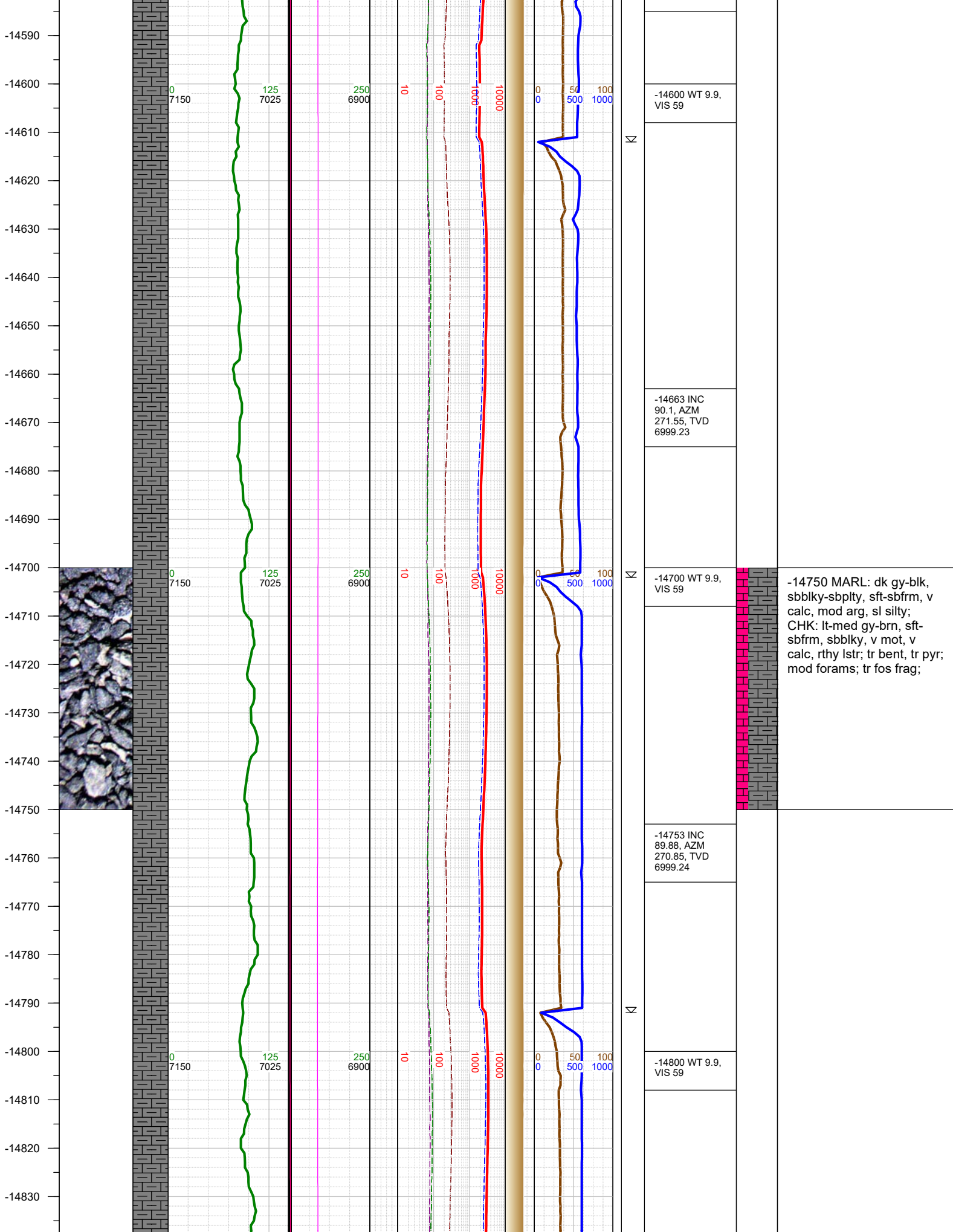


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	-14410 WT 9.9, VIS 59
	-14484 INC 89.93, AZM 270.63, TVD 6999
	-14500 WT 9.9, VIS 59
	-14573 INC 89.84, AZM 270.71, TVD 6999.18

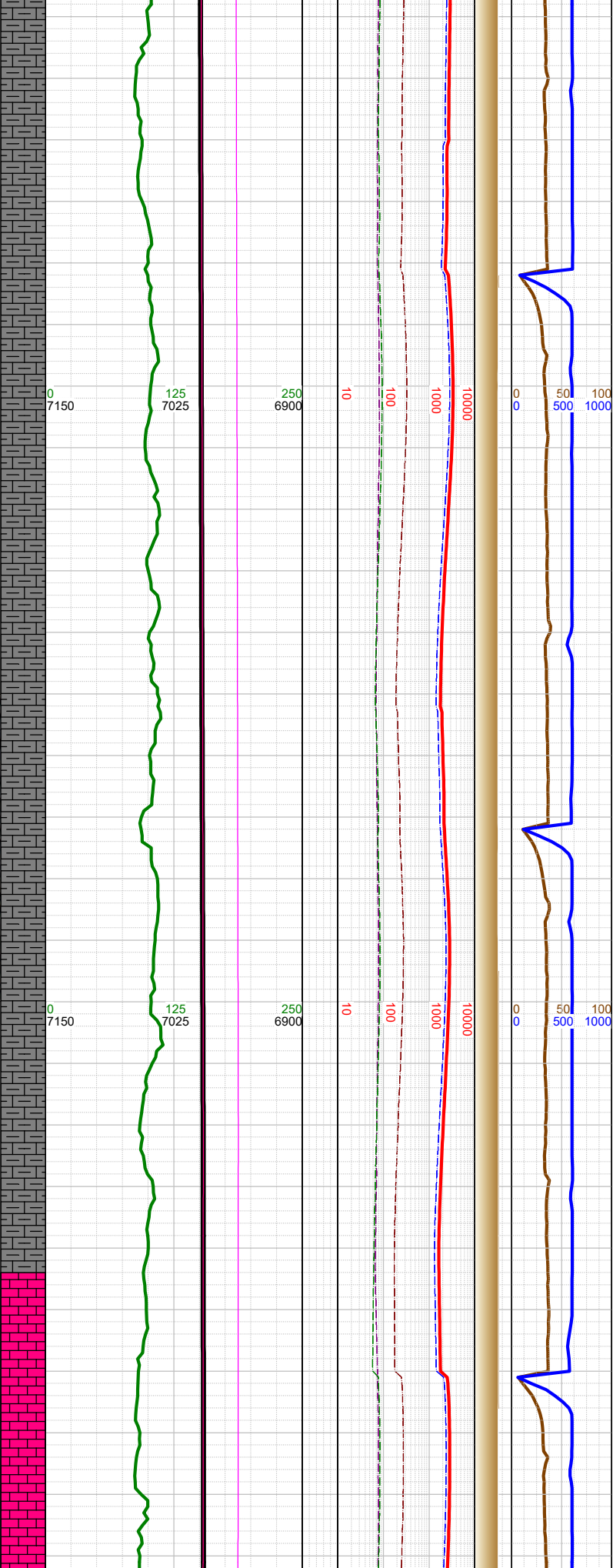


-14500 CHK: lt-med gy-  
brn, sft-sbfrm, sbbiky, v  
mot, v calc, rthy lstr;  
MARL: dk gy-blk, sbbiky-  
sbplty, sft-sbfrm, v calc,  
mod arg, sl silty; tr bent, tr  
pyr; tr forams; tr fos frag;





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-14842 INC  
90.23, AZM  
271.07, TVD  
6999.16

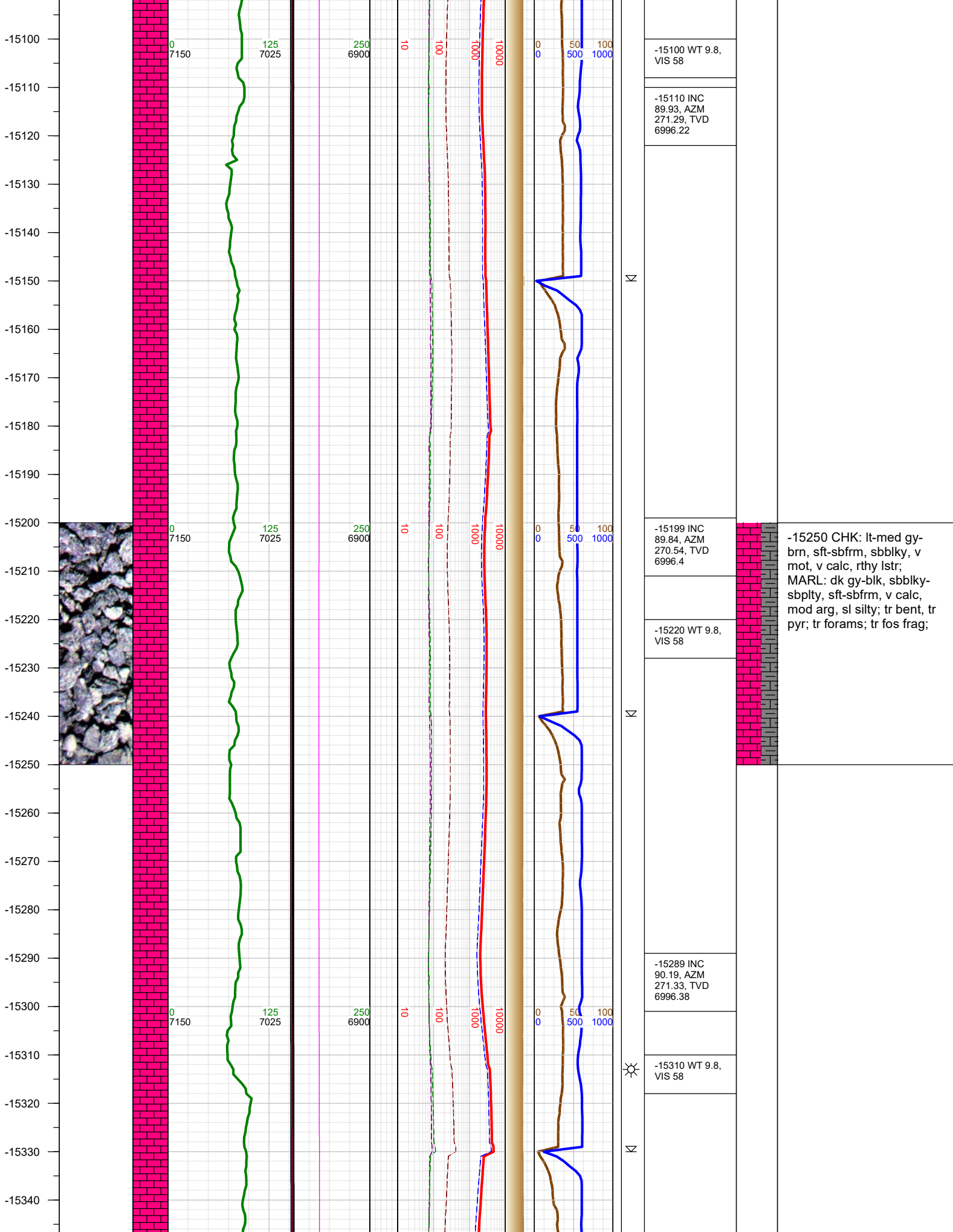
-14900 WT 9.9,  
VIS 59

-14932 INC  
91.21, AZM  
272.52, TVD  
6998.03

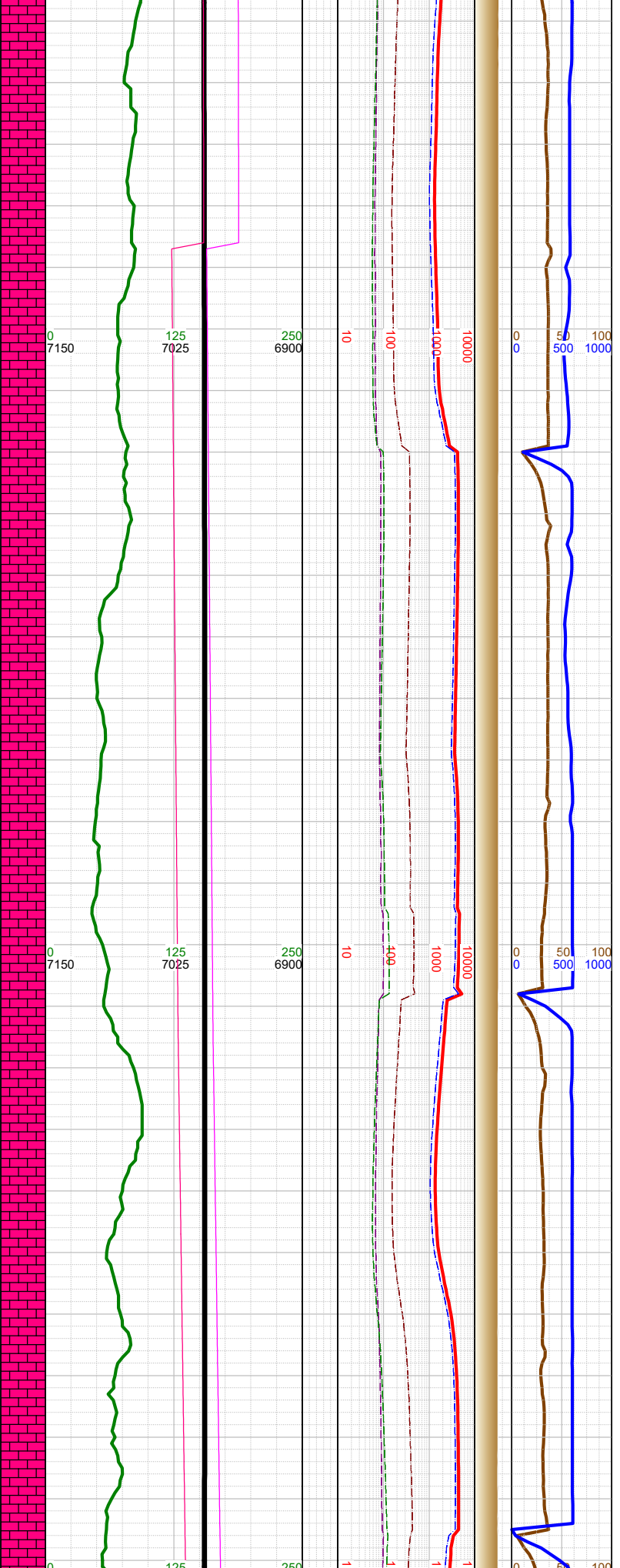
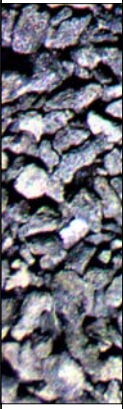
-15000 WT 9.8,  
VIS 58

-15021 INC  
90.59, AZM  
273.14, TVD  
6996.63

-15000 MARL: dk gy-blk,  
sbbly-sbply, sft-sbfrm, v  
calc, mod arg, sl silty;  
CHK: lt-med gy-brn, sft-  
sbfrm, sbbly, v mot, v  
calc, rthy lstr; tr bent, tr pyr;  
tr forams; tr fos frag;



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-15378 INC  
90.77, AZM  
272.96, TVD  
6995.63

-15386 Fault:  
31' down-throw;  
stayed in C  
Chalk

-15410 WT 9.8,  
VIS 57

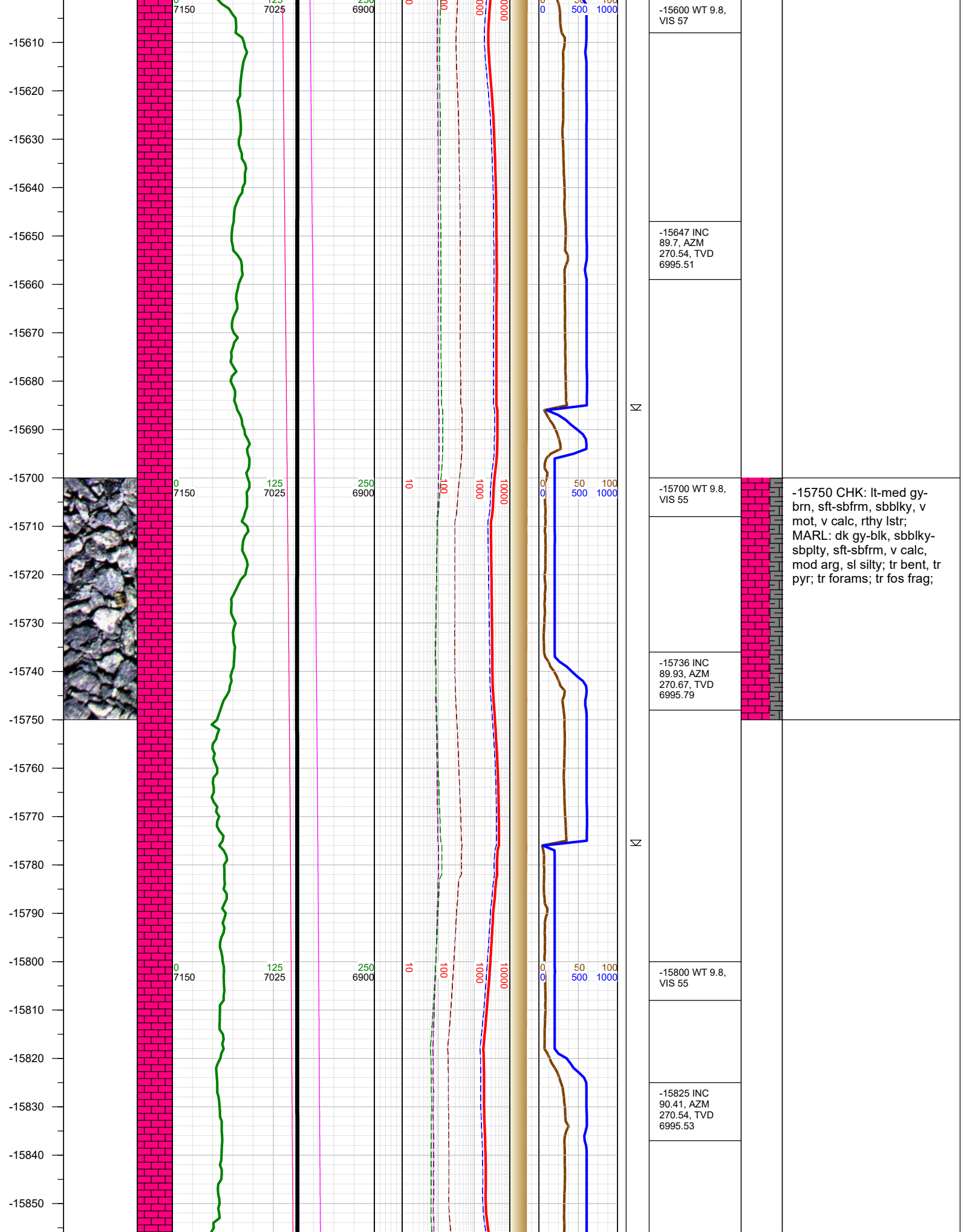
-15467 INC  
90.01, AZM  
271.55, TVD  
6995.03

-15500 WT 9.8,  
VIS 57

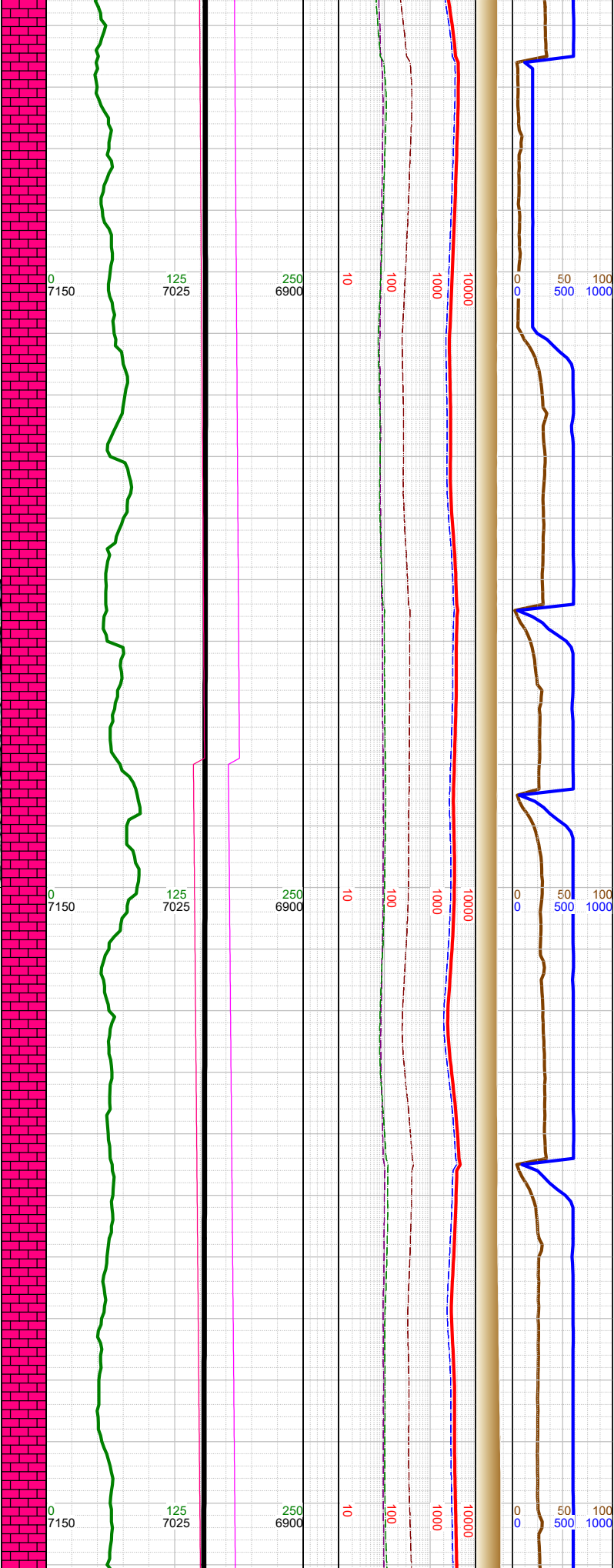
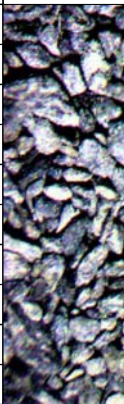
-15557 INC  
89.84, AZM  
270.98, TVD  
6995.15

-15500 CHK: lt-med gy-  
brn, sft-sbfrm, sbbly, v  
mot, v calc, rthy lstr;  
MARL: dk gy-blk, sbbly-  
sbply, sft-sbfrm, v calc,  
mod arg, sl silty; tr bent, tr  
pyr; tr forams; tr fos frag;

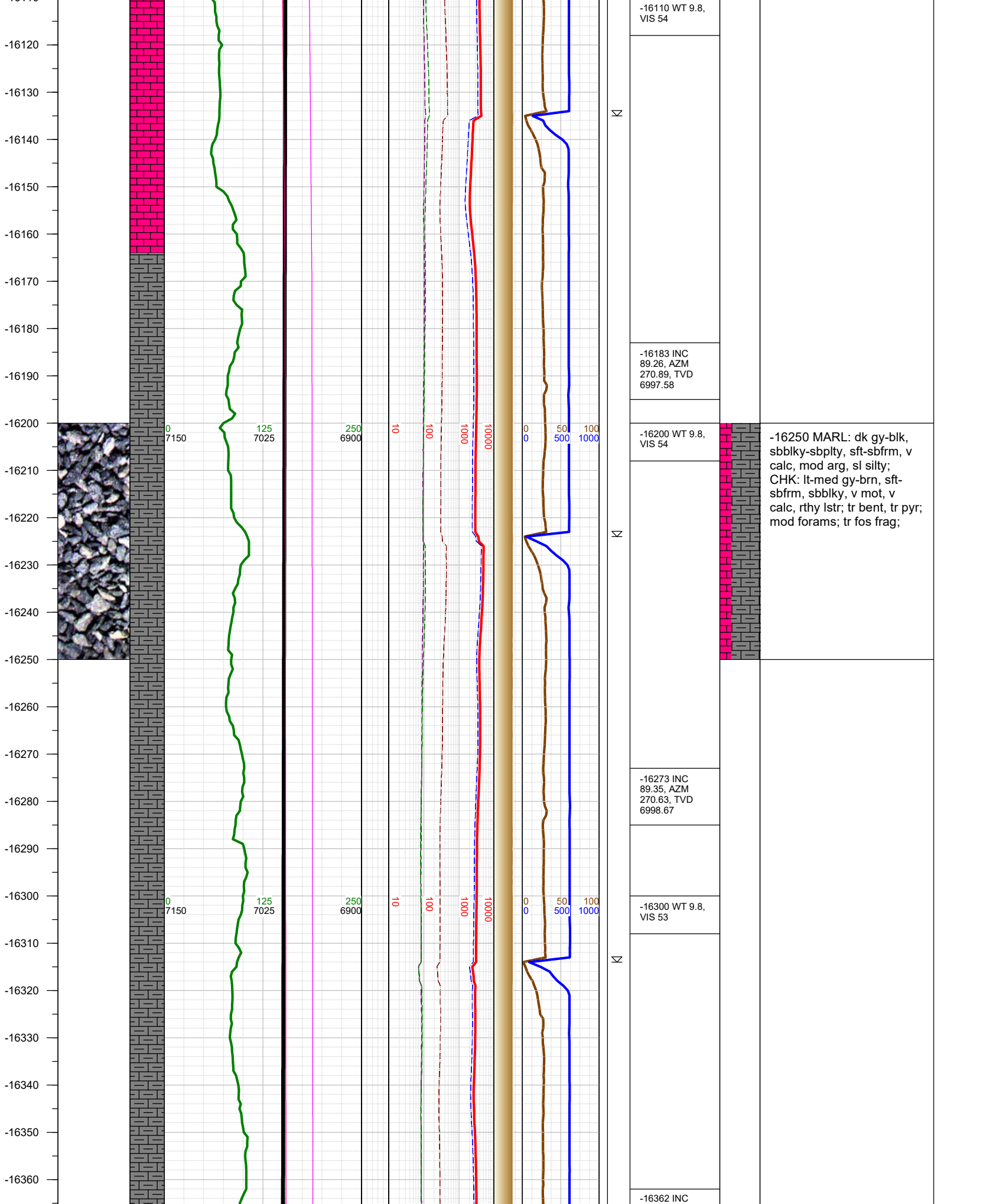




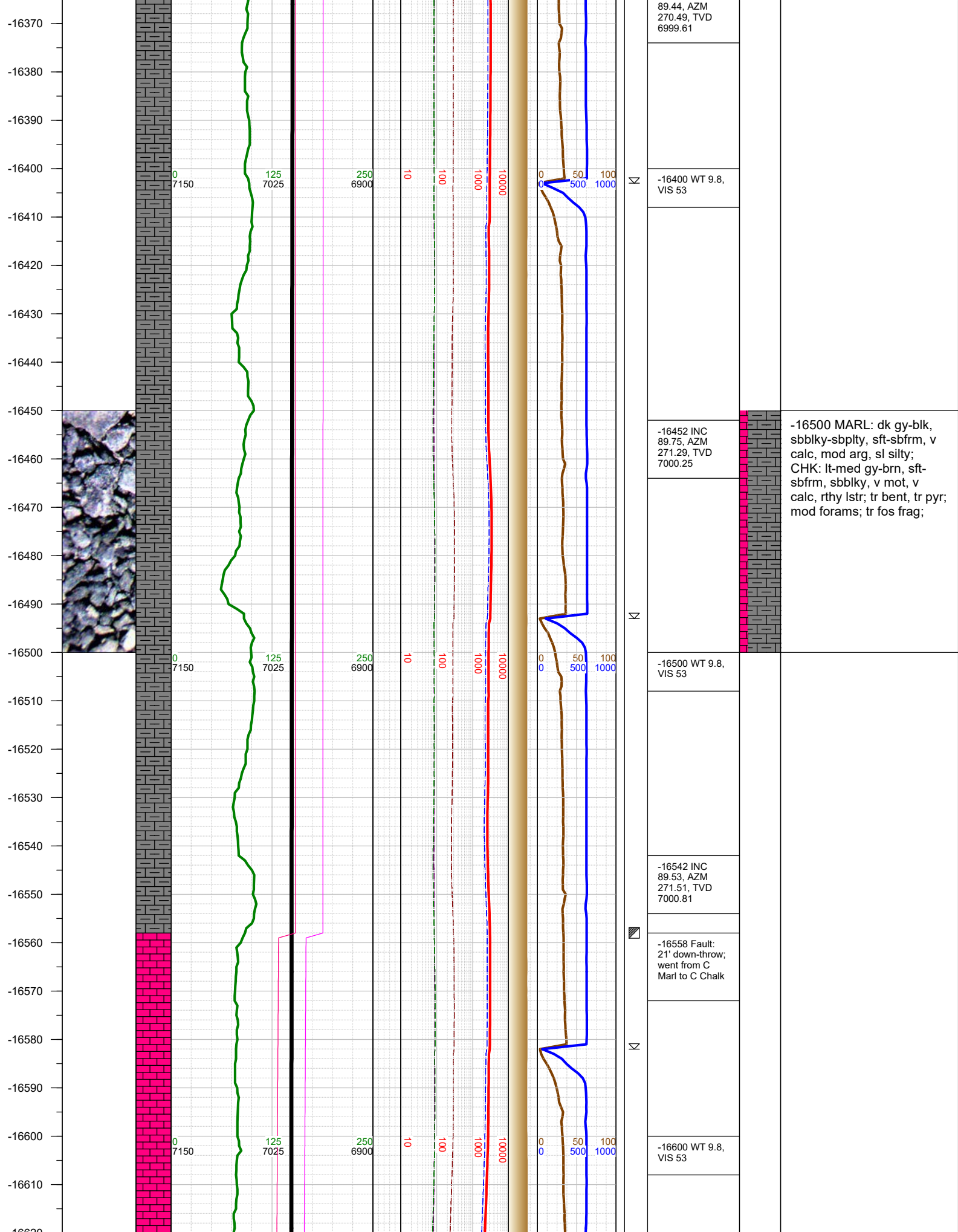
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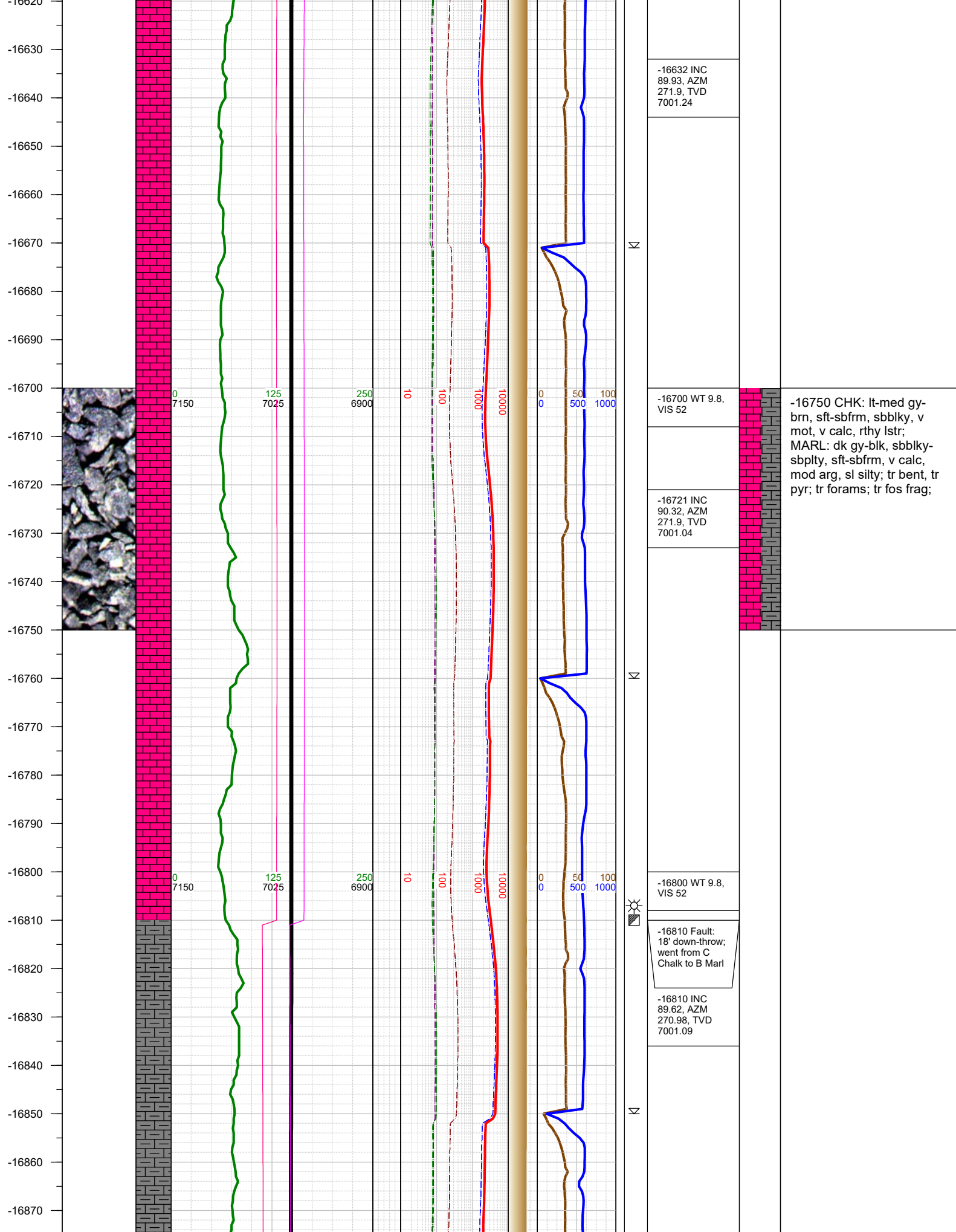


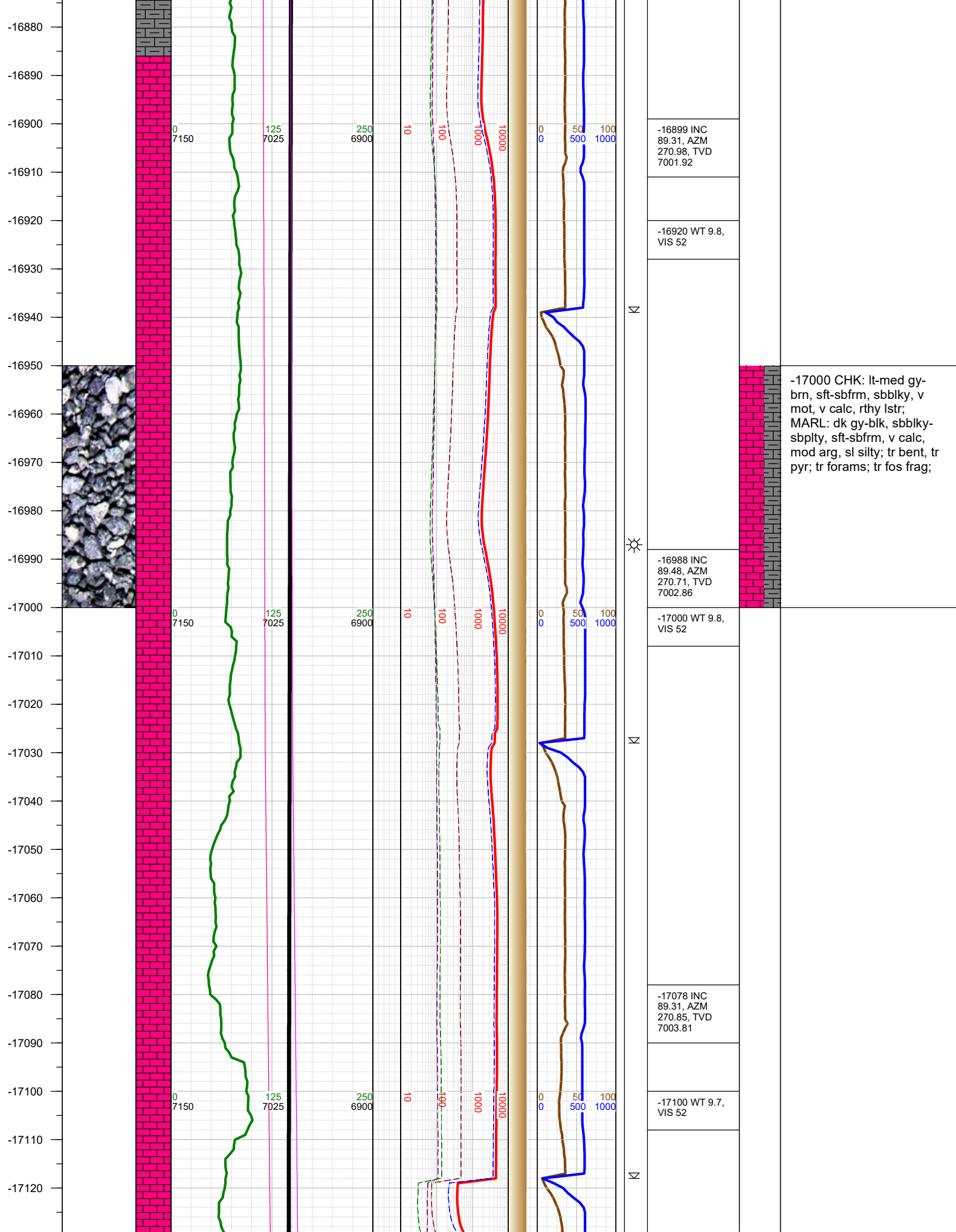
N		-15900 WT 9.8, VIS 55	
		-15915 INC 90.01, AZM 271.11, TVD 6995.2	
N			-16000 CHK: lt-med gy- brn, sft-sbfrm, sbblky, v mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky- sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr bent, tr pyr; tr forams; tr fos frag;
N		-15979 Fault: 11' down-throw; stayed in C Chalk	
		-16004 INC 89.31, AZM 270.18, TVD 6995.73	
		-16020 WT 9.8, VIS 54	
N			
		-16094 INC 89.53, AZM 271.02, TVD 6996.64	



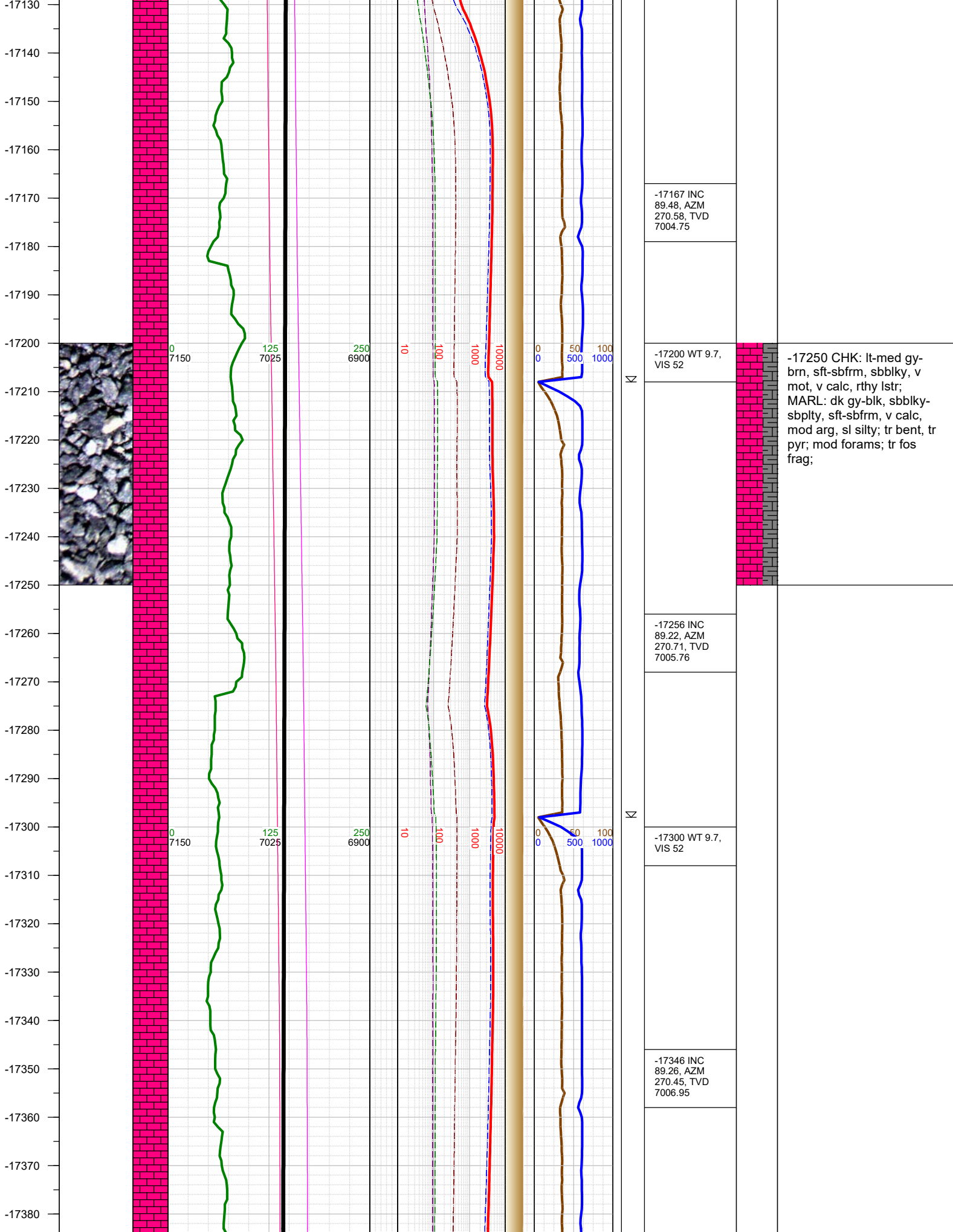


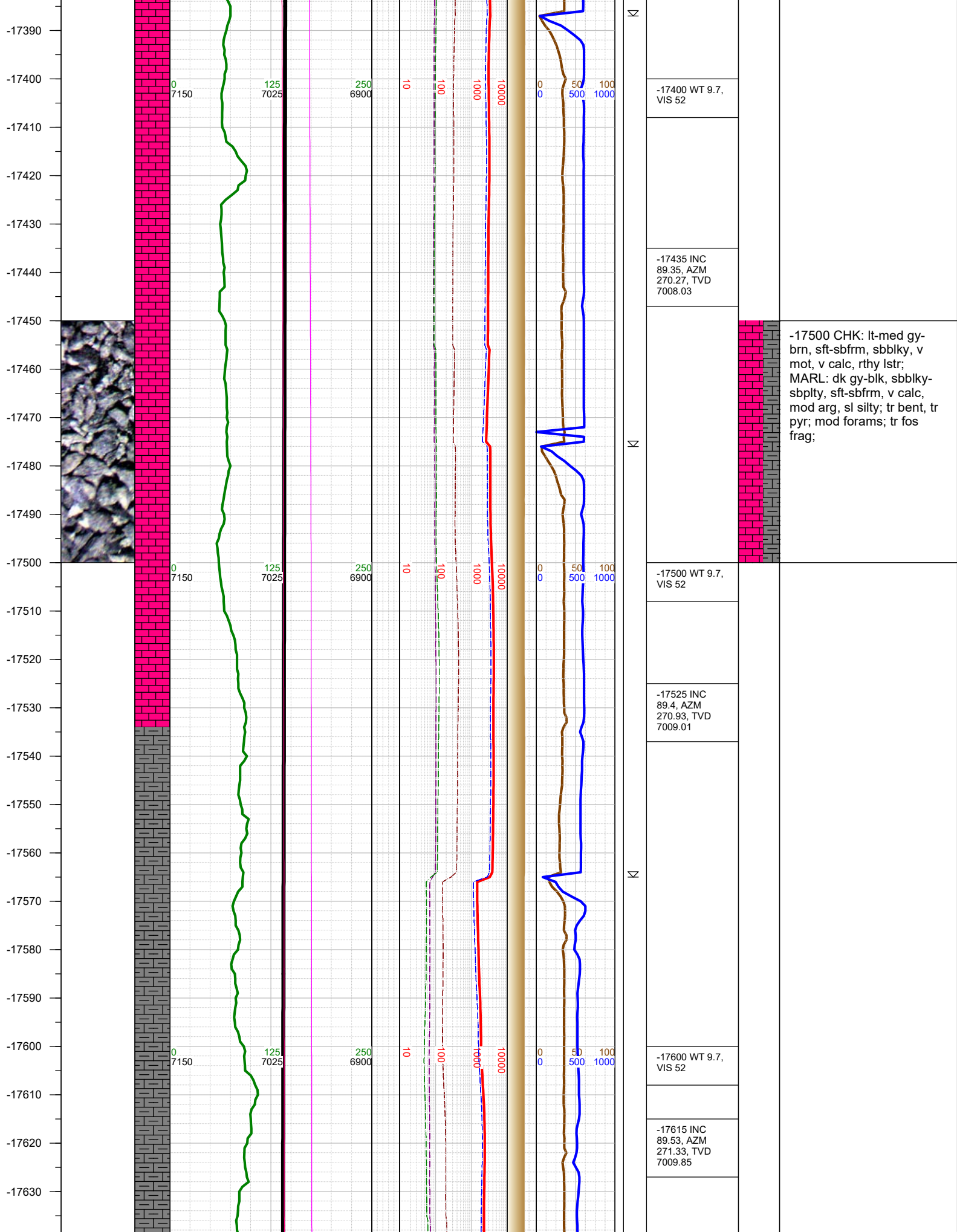


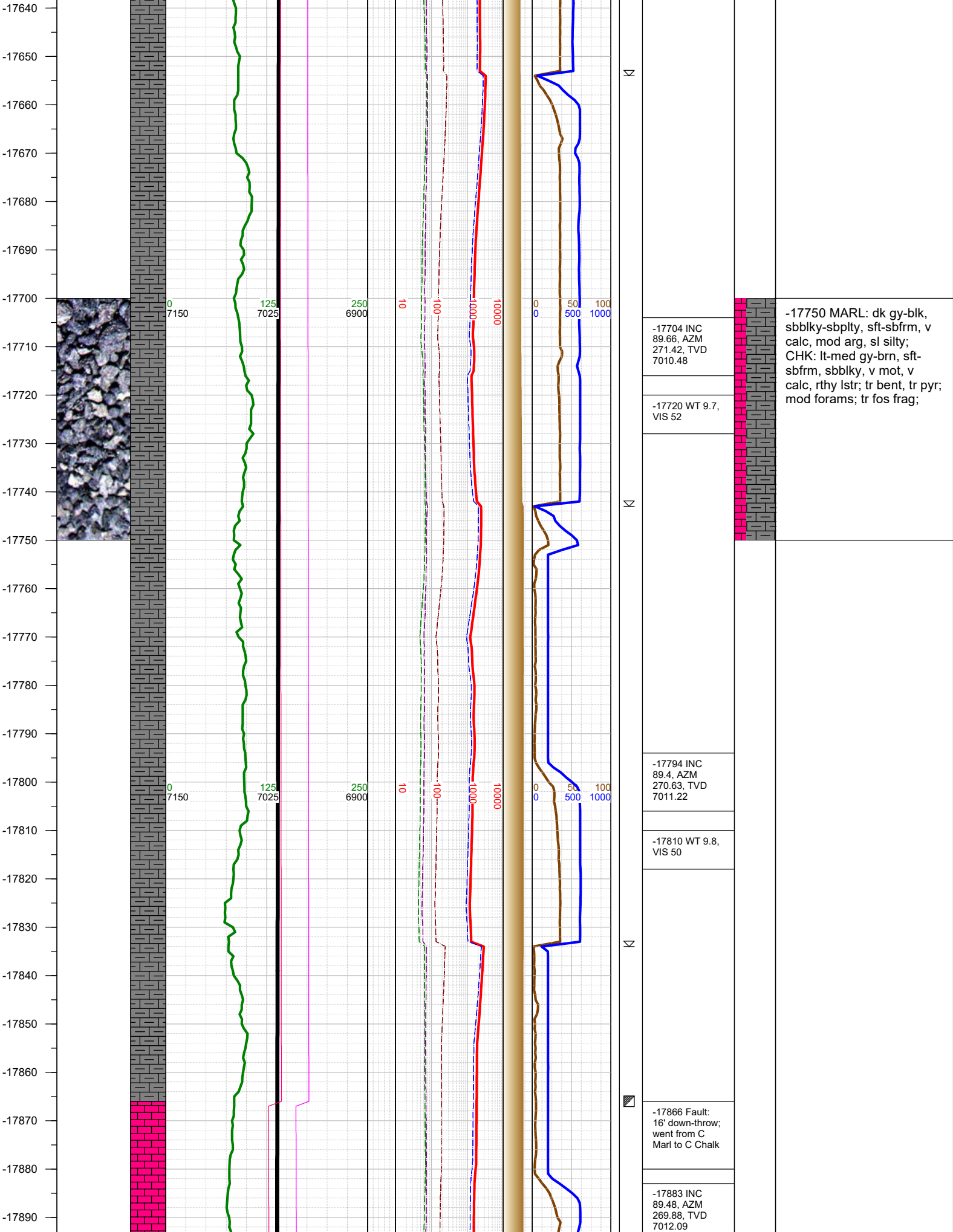




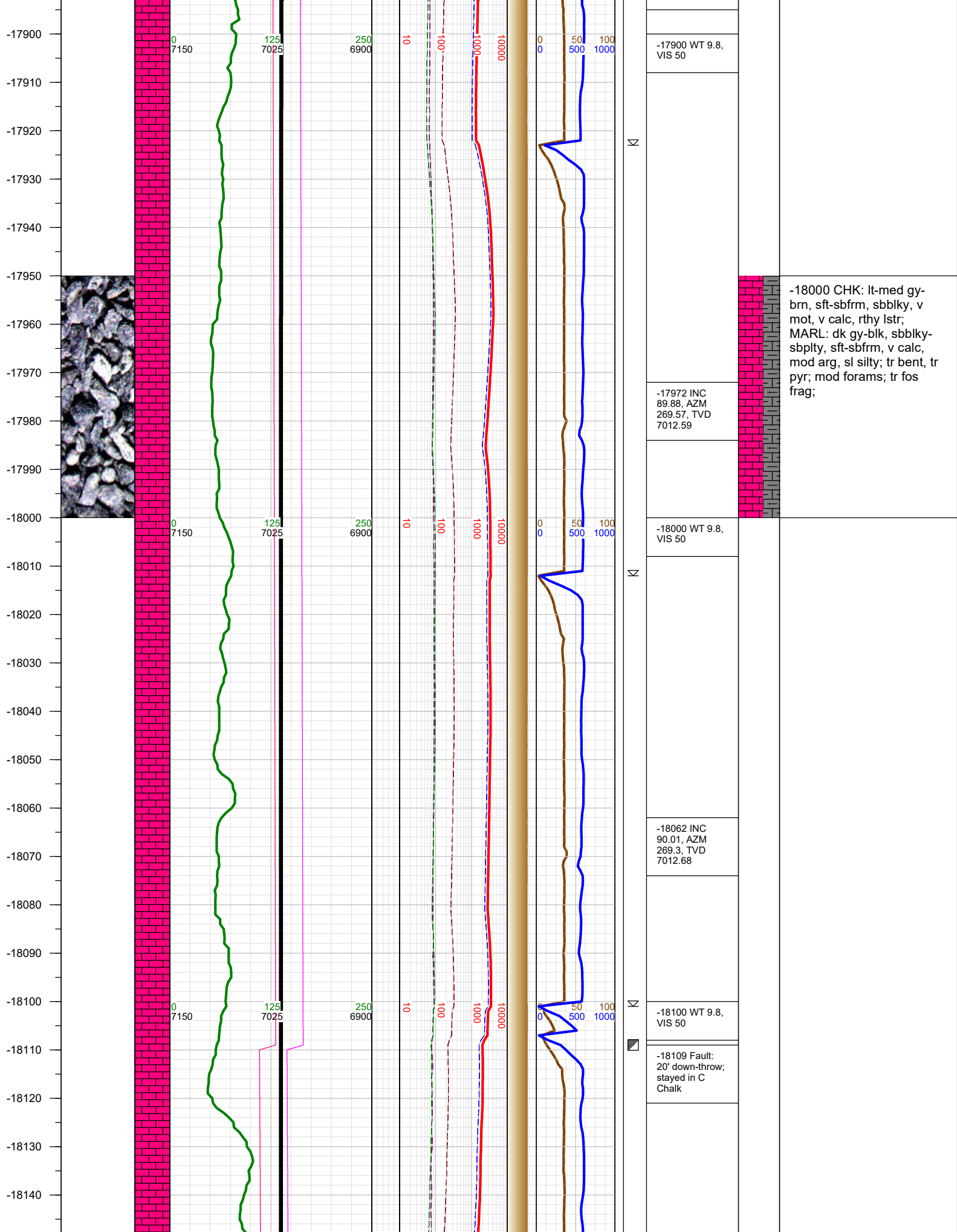


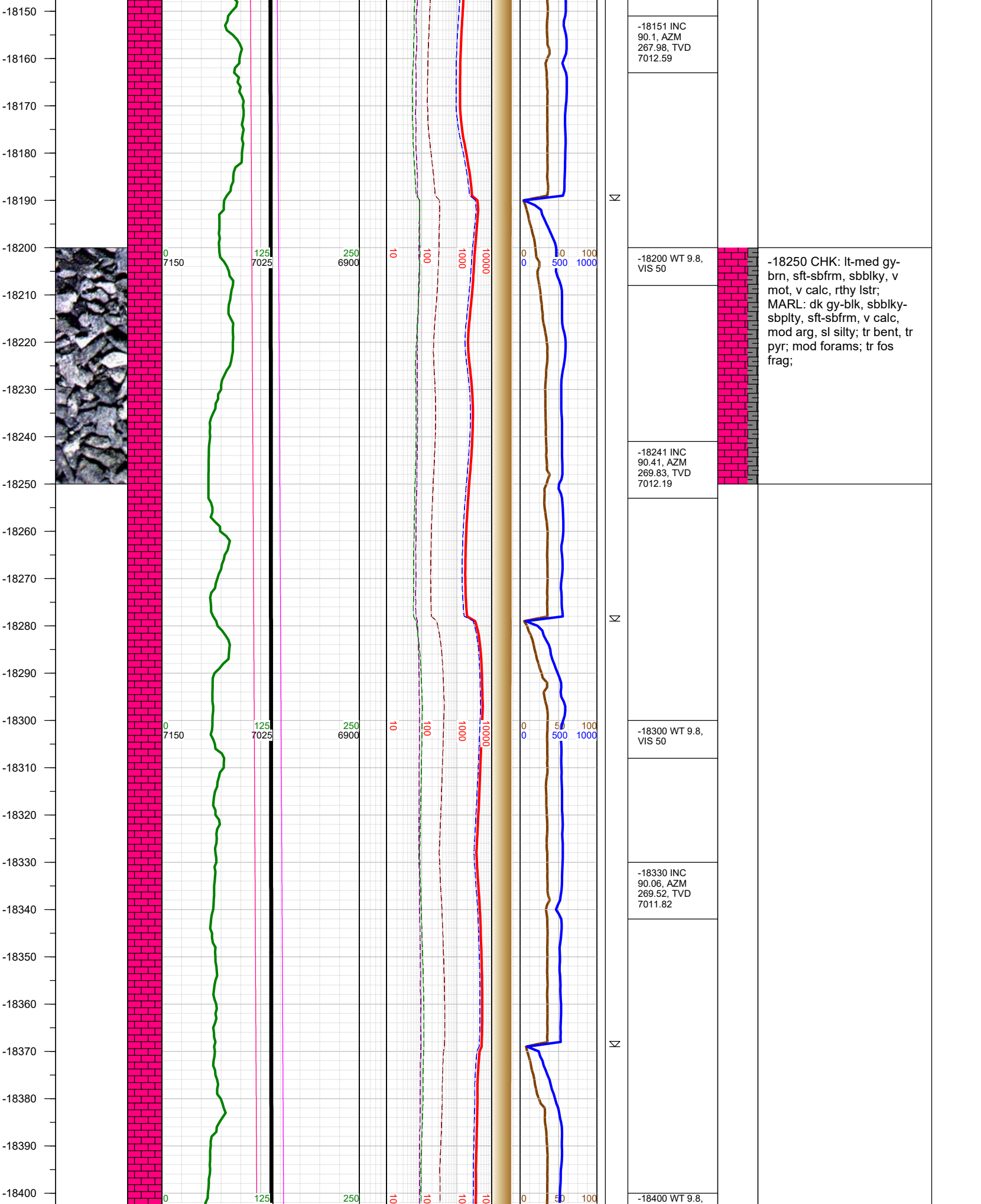


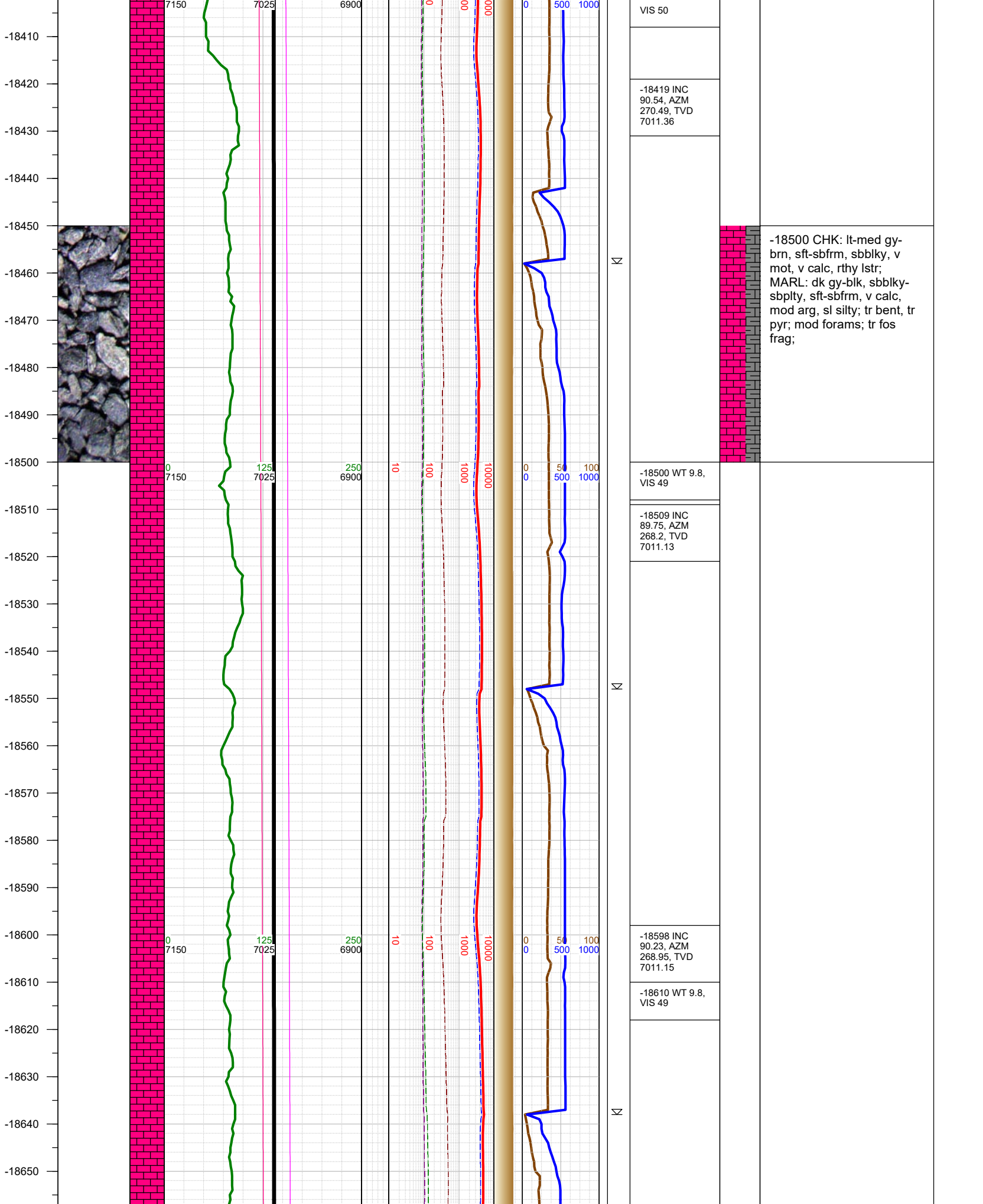






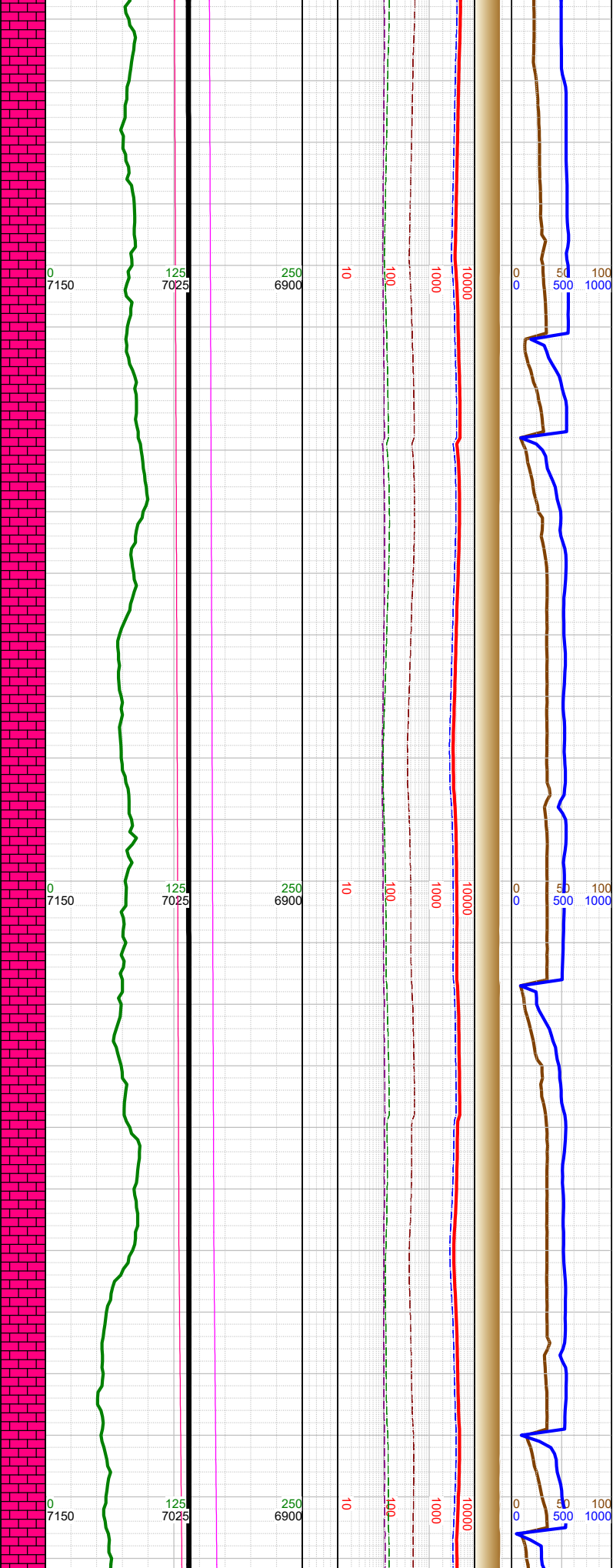
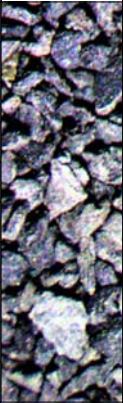




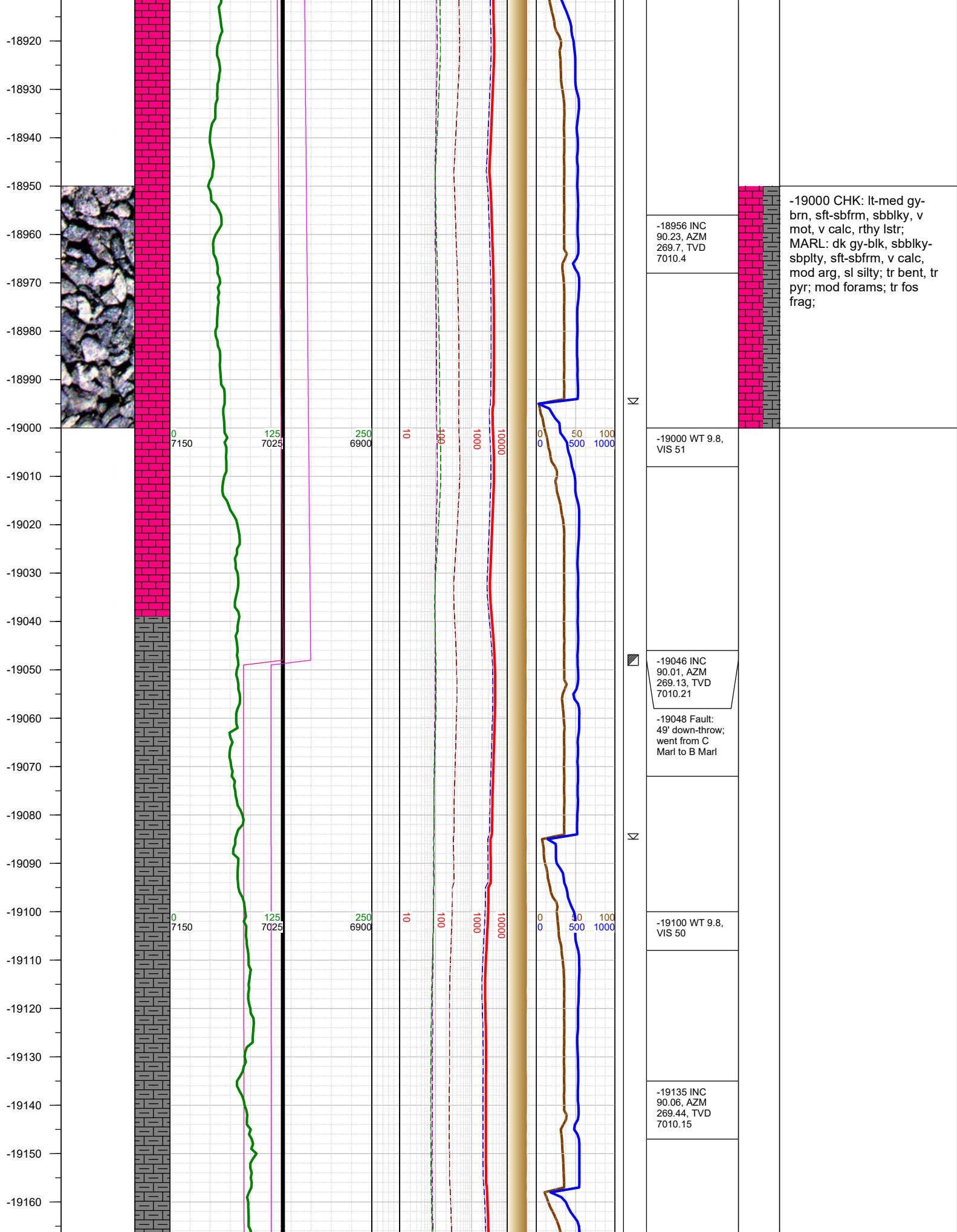


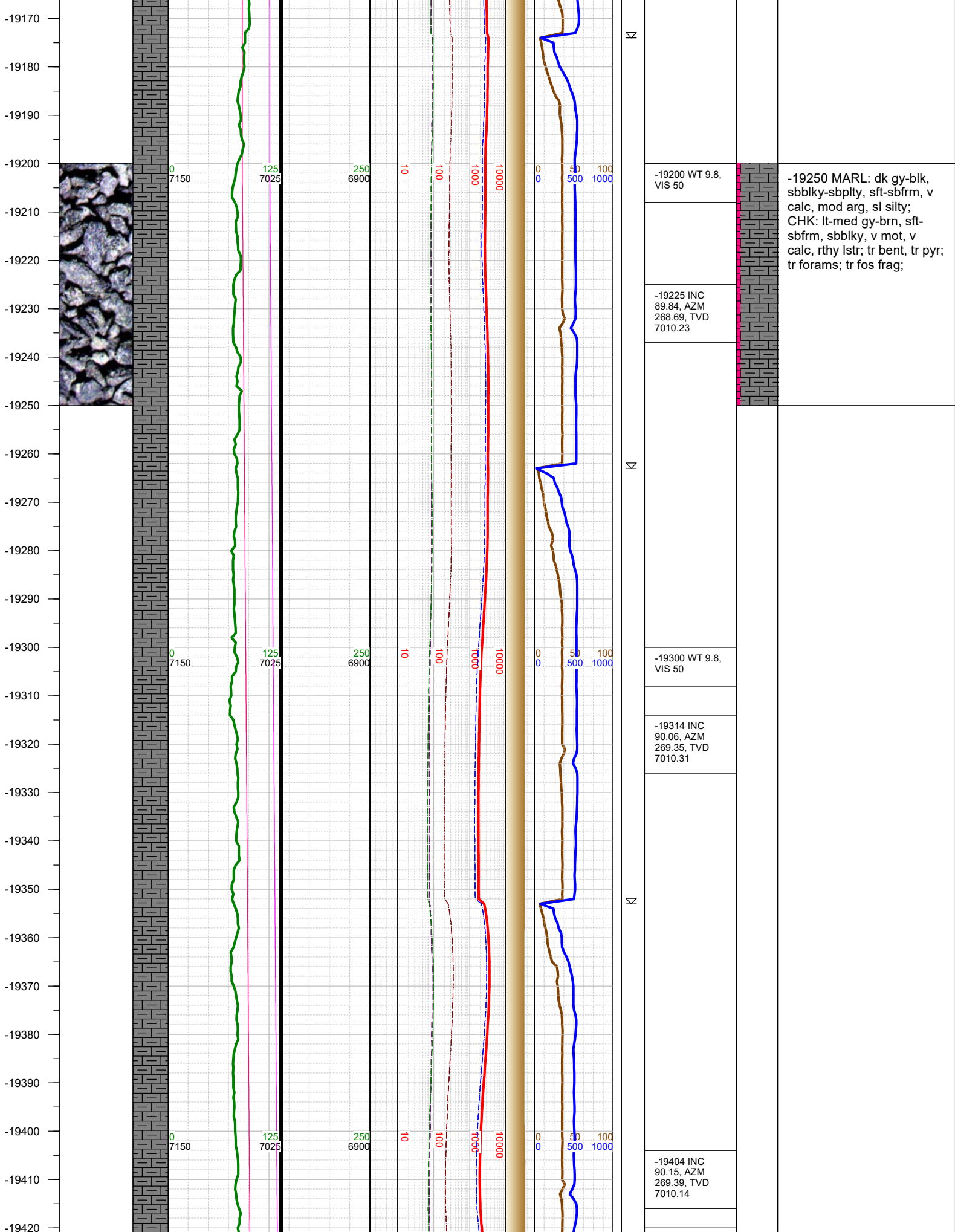


-18660  
-18670  
-18680  
-18690  
-18700  
-18710  
-18720  
-18730  
-18740  
-18750  
-18760  
-18770  
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-18800  
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-18890  
-18900  
-18910

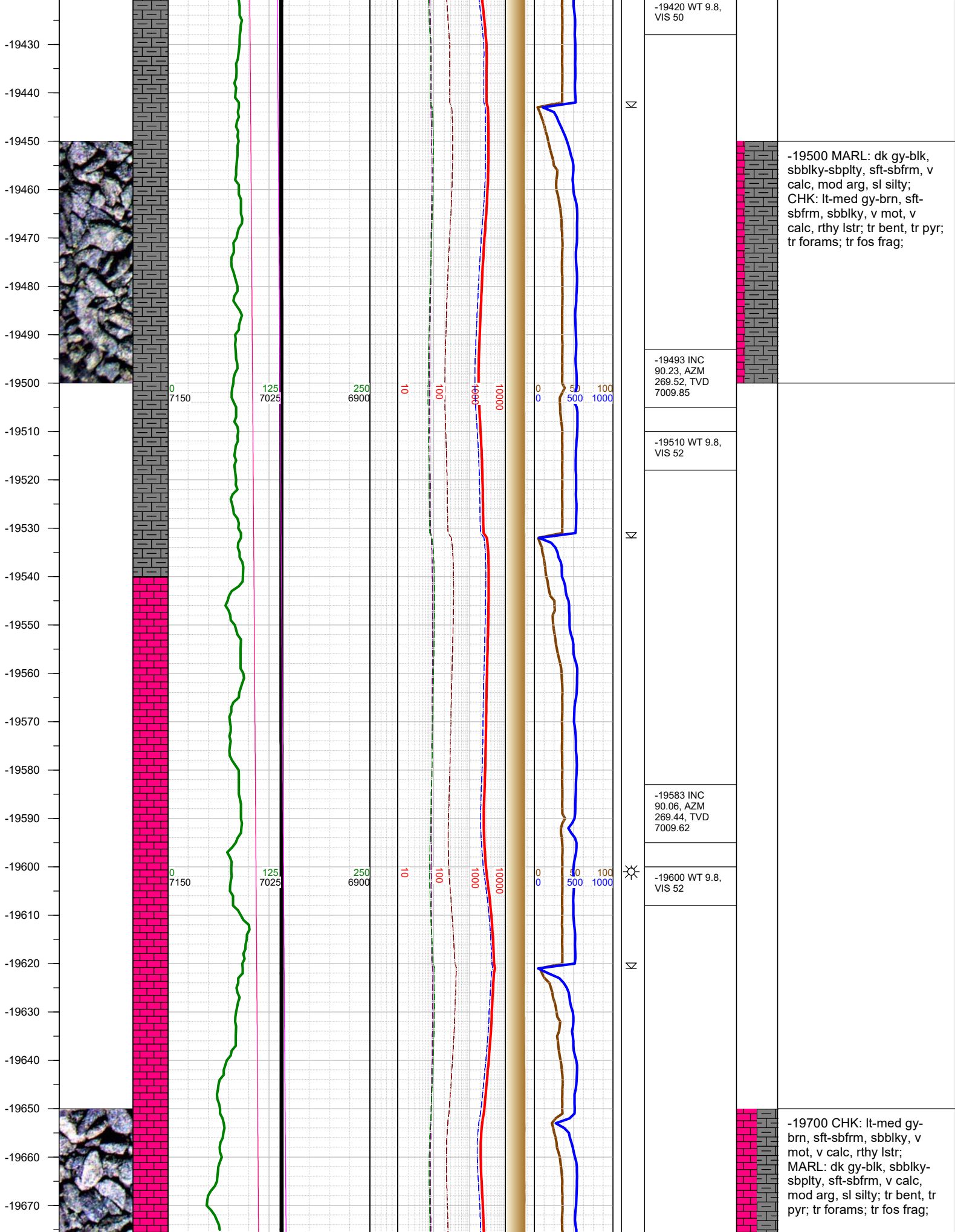


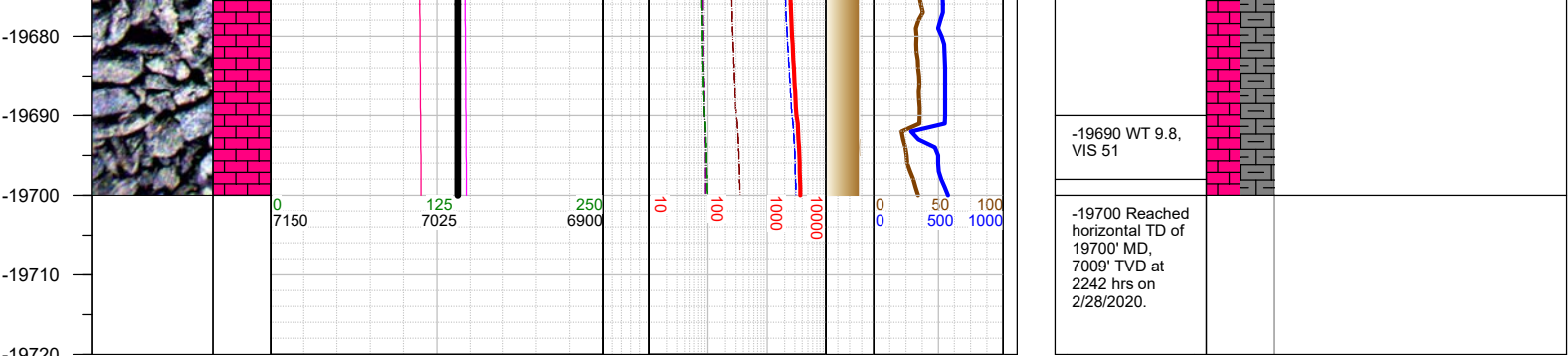
N		-18687 INC 90.23, AZM 270.45, TVD 7010.79	
		-18700 WT 9.8, VIS 49	-18750 CHK: lt-med gy- brn, sft-sbfrm, sbbly, v mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly- sbply, sft-sbfrm, v calc, mod arg, sl silty; tr bent, tr pyr; mod forams; tr fos frag;
N		-18777 INC 90.01, AZM 269.48, TVD 7010.6	
		-18800 WT 9.8, VIS 51	
N		-18866 INC 90.01, AZM 269, TVD 7010.59	
		-18900 WT 9.8, VIS 51	











TOTAL DEPTH = 19700'

Thank you for using Earth Science Agency