

OPERATOR: **Extraction Oil & Gas**  
WELL NAME: **Coyote Trails 34S-20-10N**  
FIELD NAME: DJ Basin - Wattenberg  
DRILLING RIG: Patterson 901  
API #: 05-123-45994

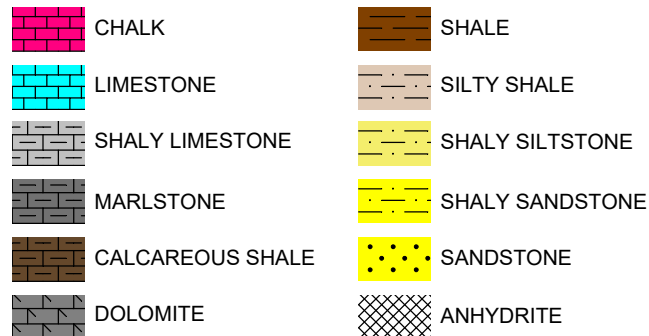
LAT/LONG: 40.017974, -105.006703  
SURFACE HOLE: SWSE S28-T1N-R68W, 1146' FSL, 2139' FEL  
BOTTOM HOLE: S4-T1S-R68W, 150' FSL, 285' FEL



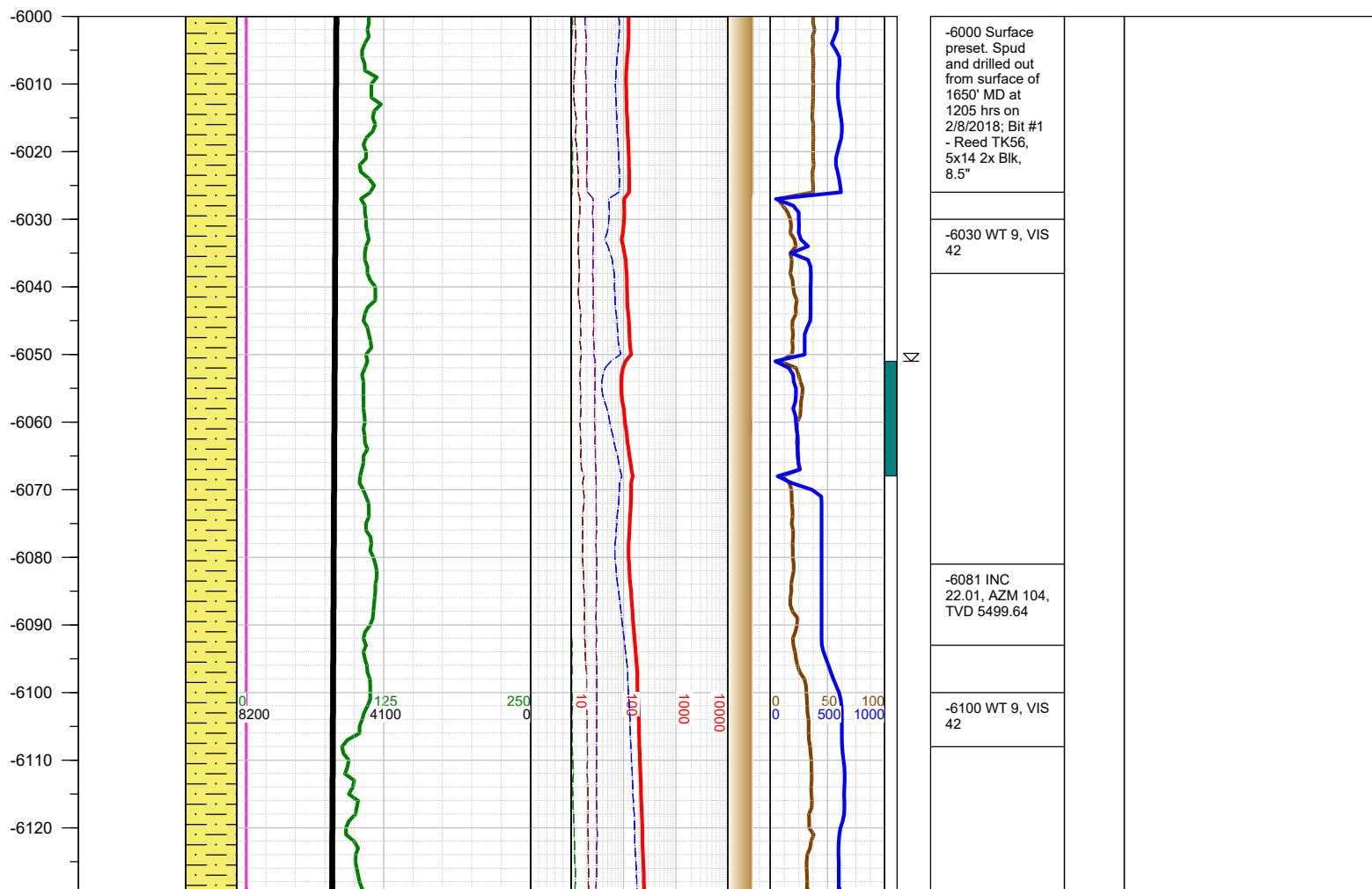
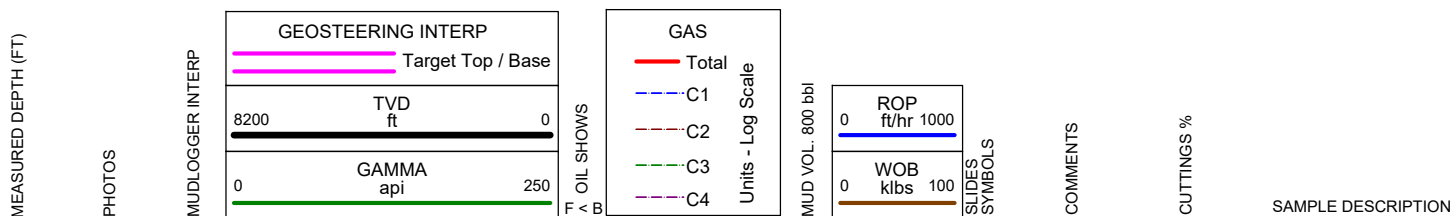
Earth Science Agency, LLC

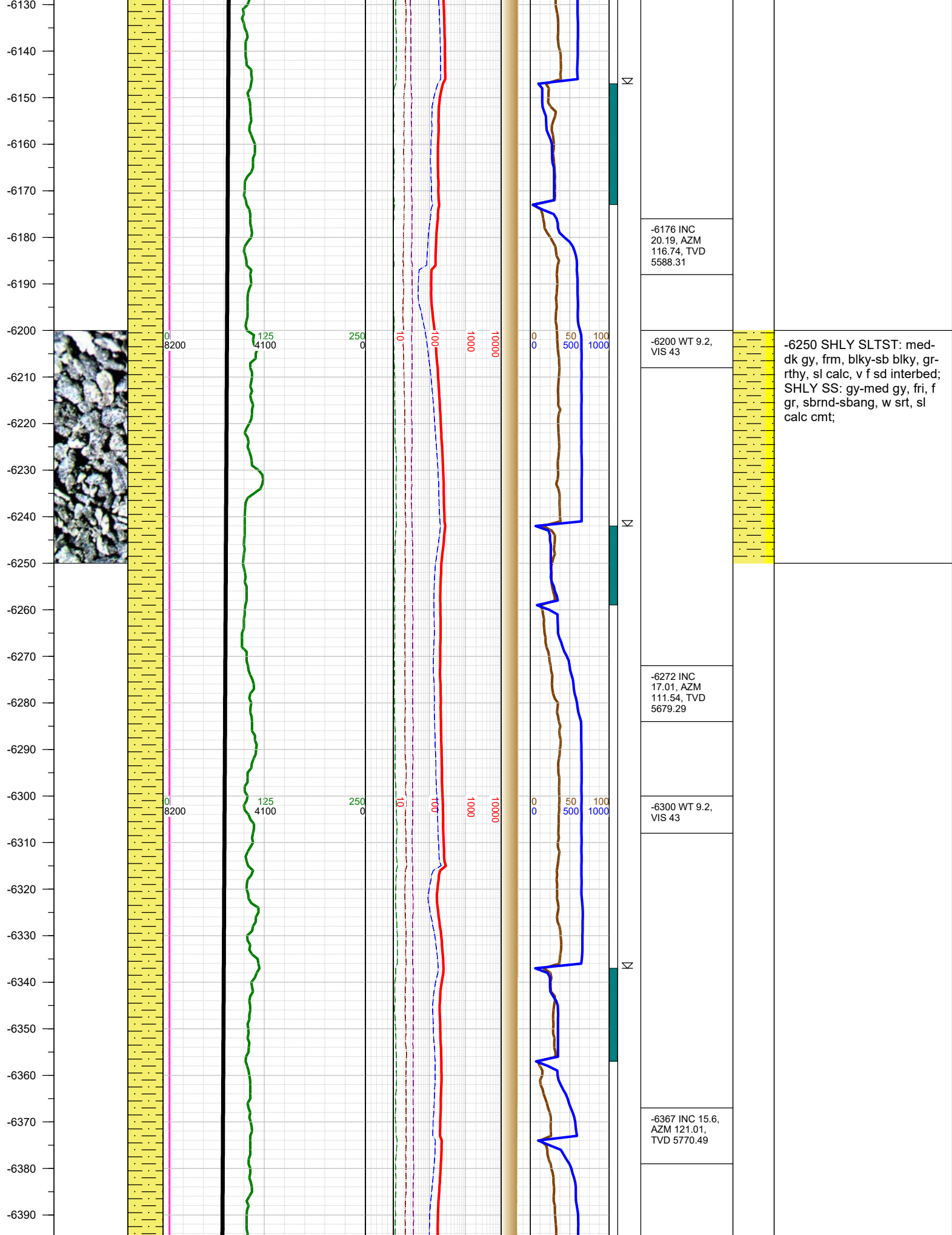
COUNTY: Weld  
STATE: Colorado  
GROUND ELEVATION: 5270'  
KELLY BUSHING: 5290'  
DRILLING FLUID: OBM  
TVD VS. MD: 7955' / 18350'  
SPUD DATE: February 8, 2018  
TD DATE: February 15, 2018  
  
DEPTHS LOGGED: 6000' - 18350'  
DATES LOGGED: February 8, 2018 - February 15, 2018  
GEOLOGISTS: Dominic Pitre, Blake Eatherton  
SCALE: 5" = 100'

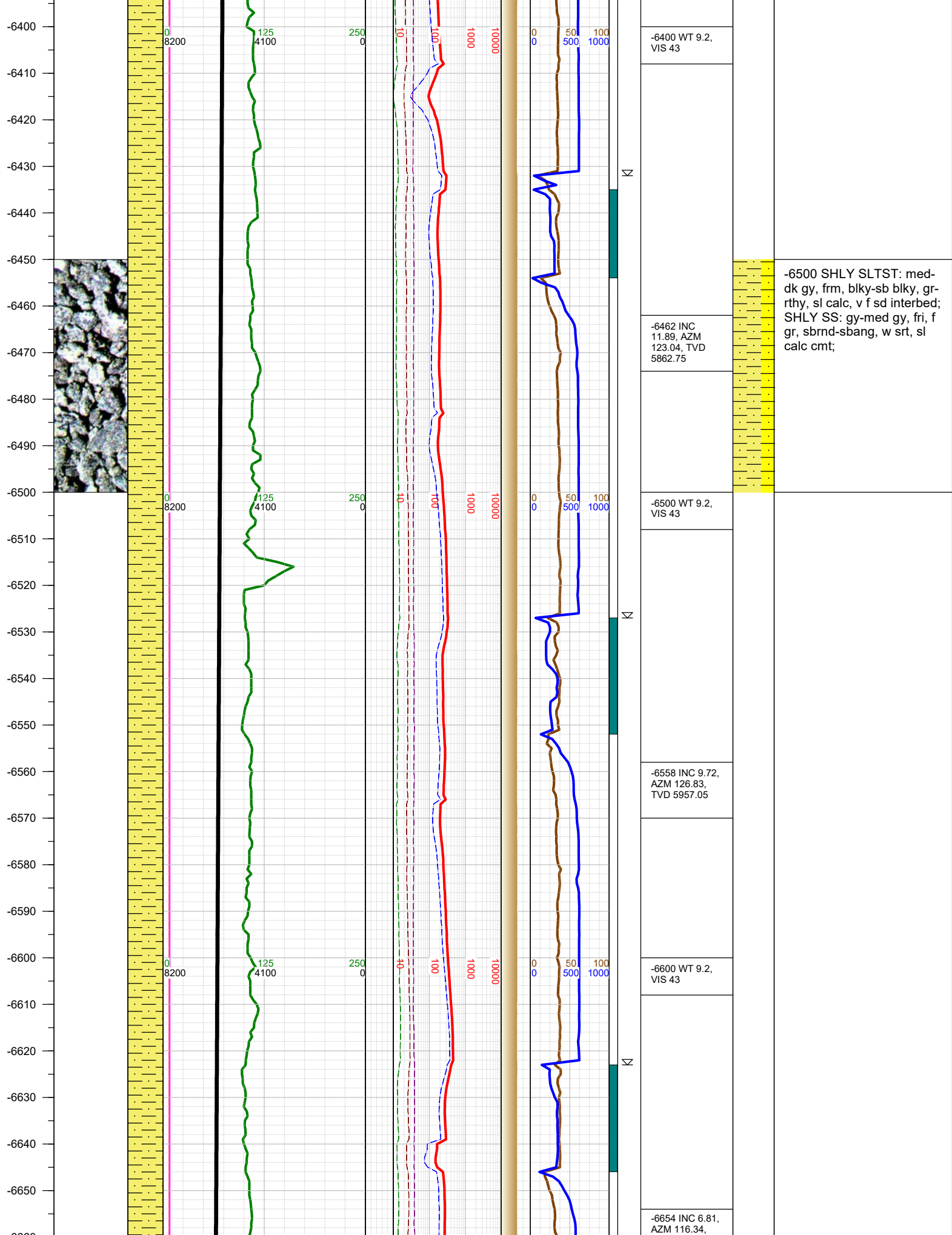
#### LEGEND

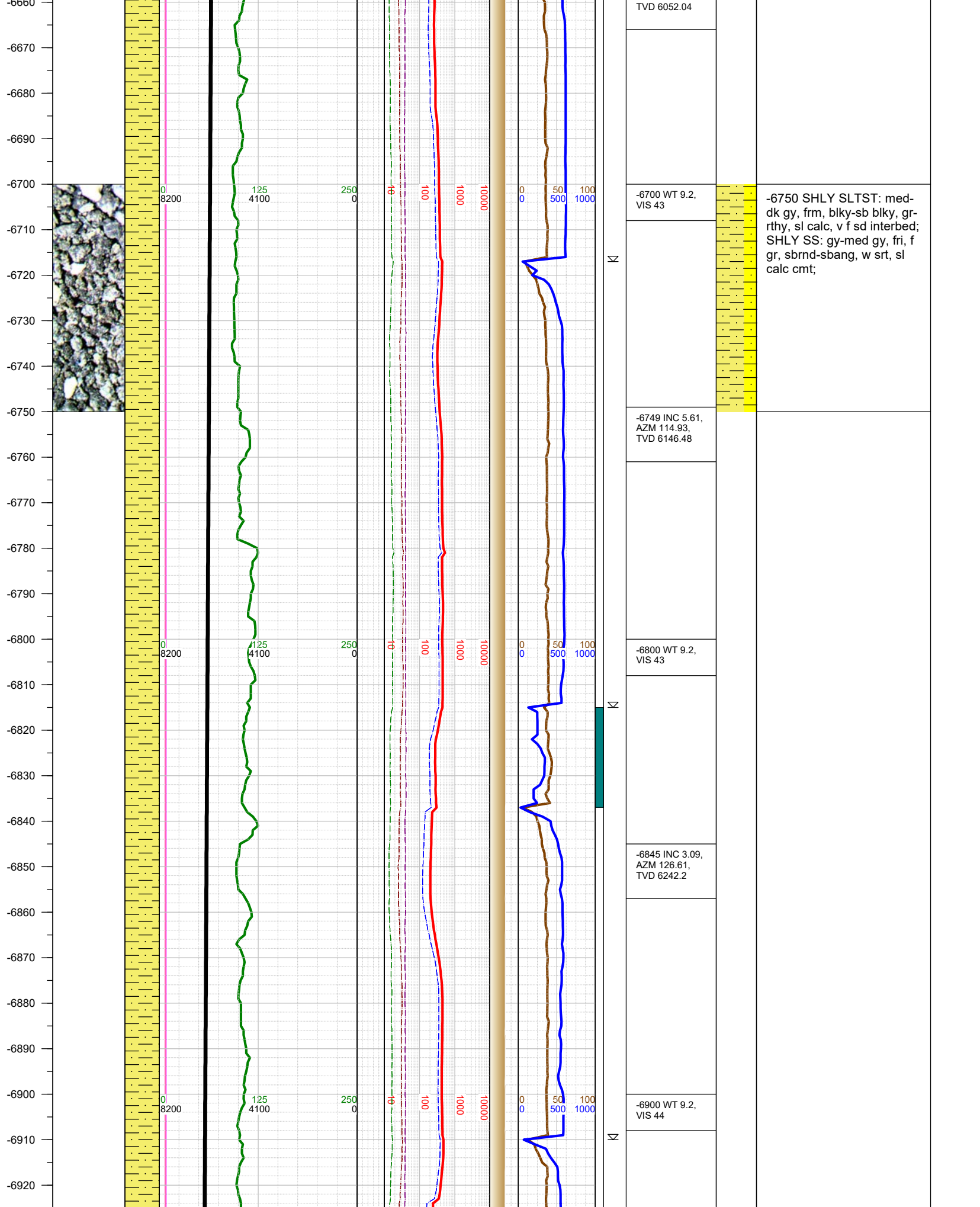


FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

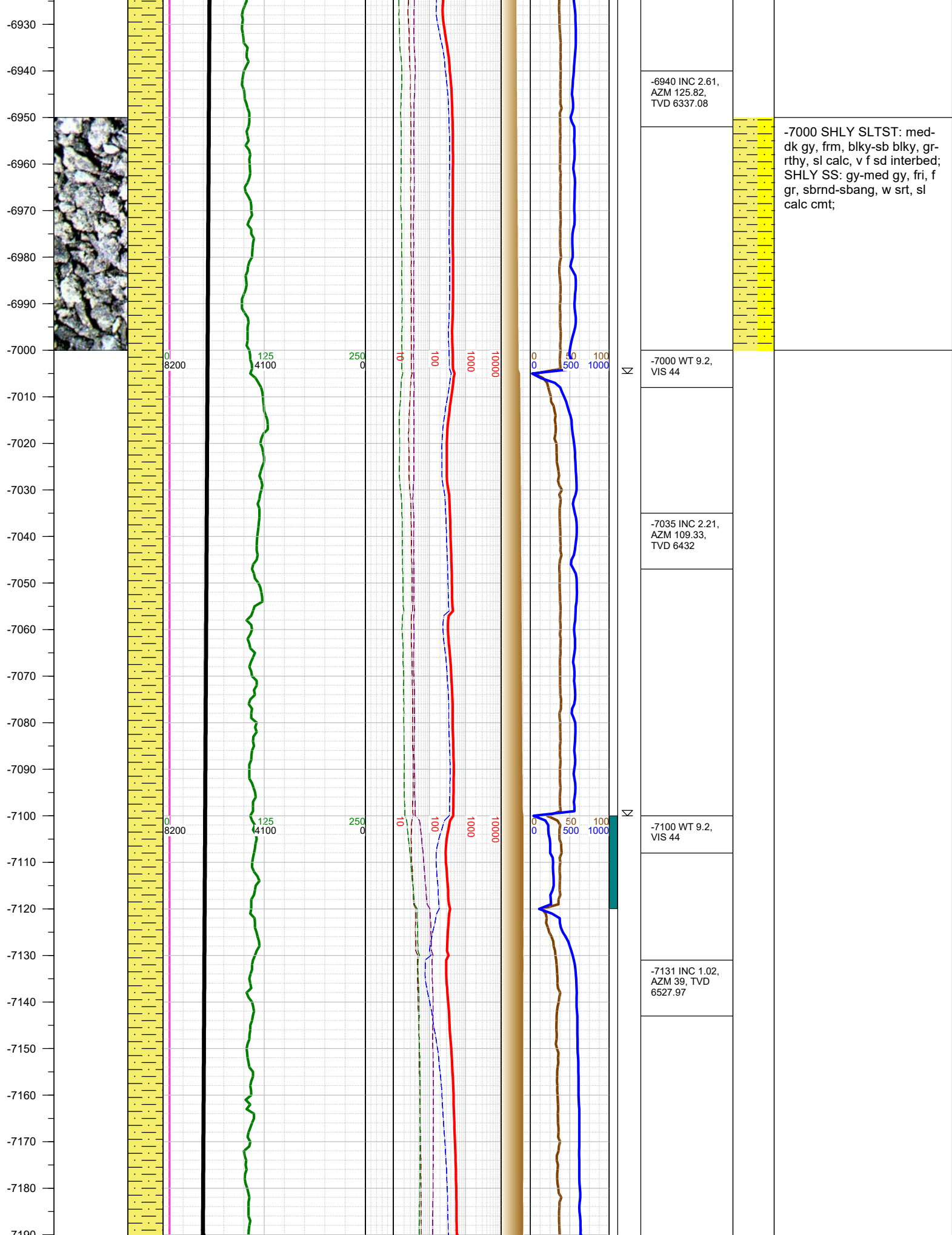


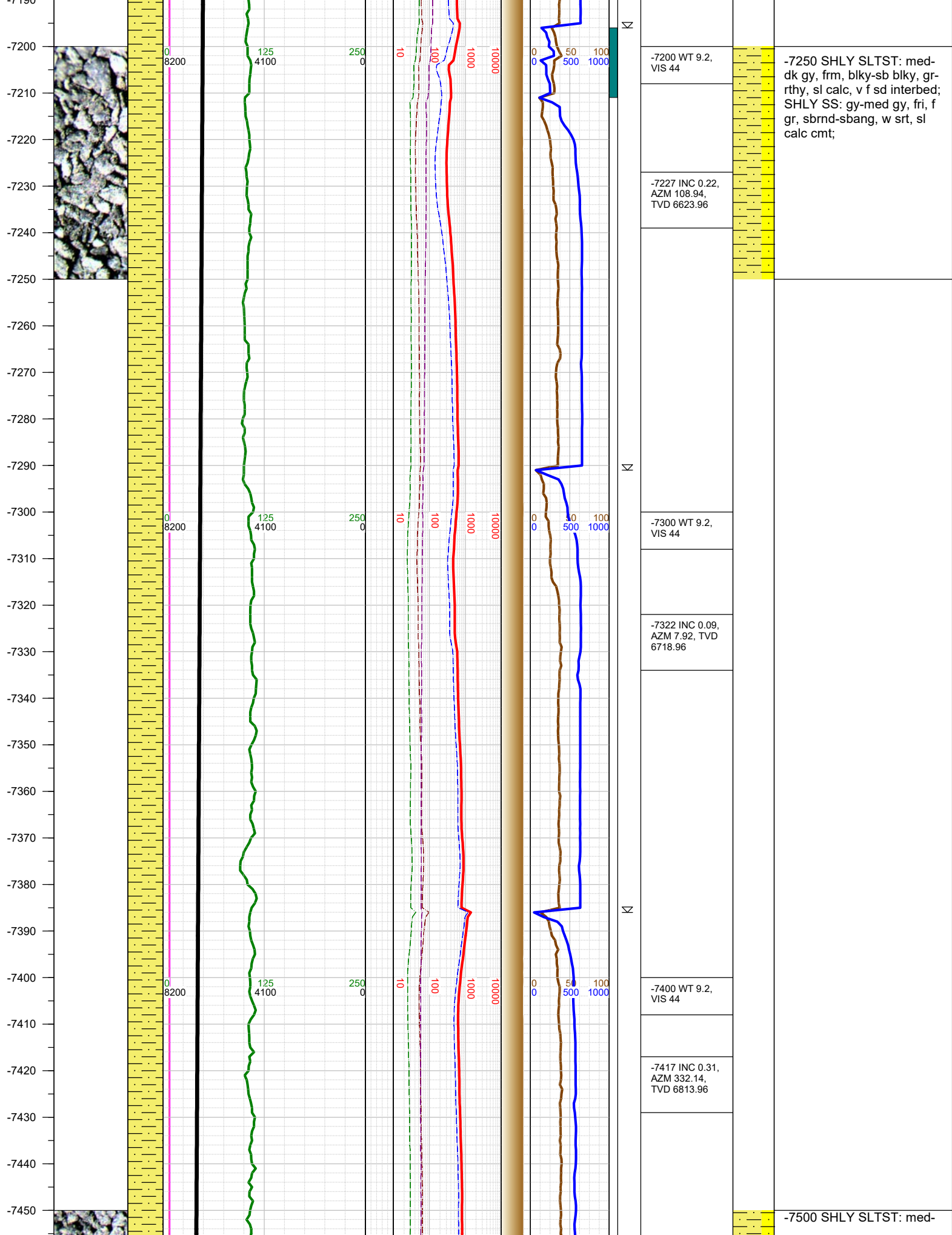


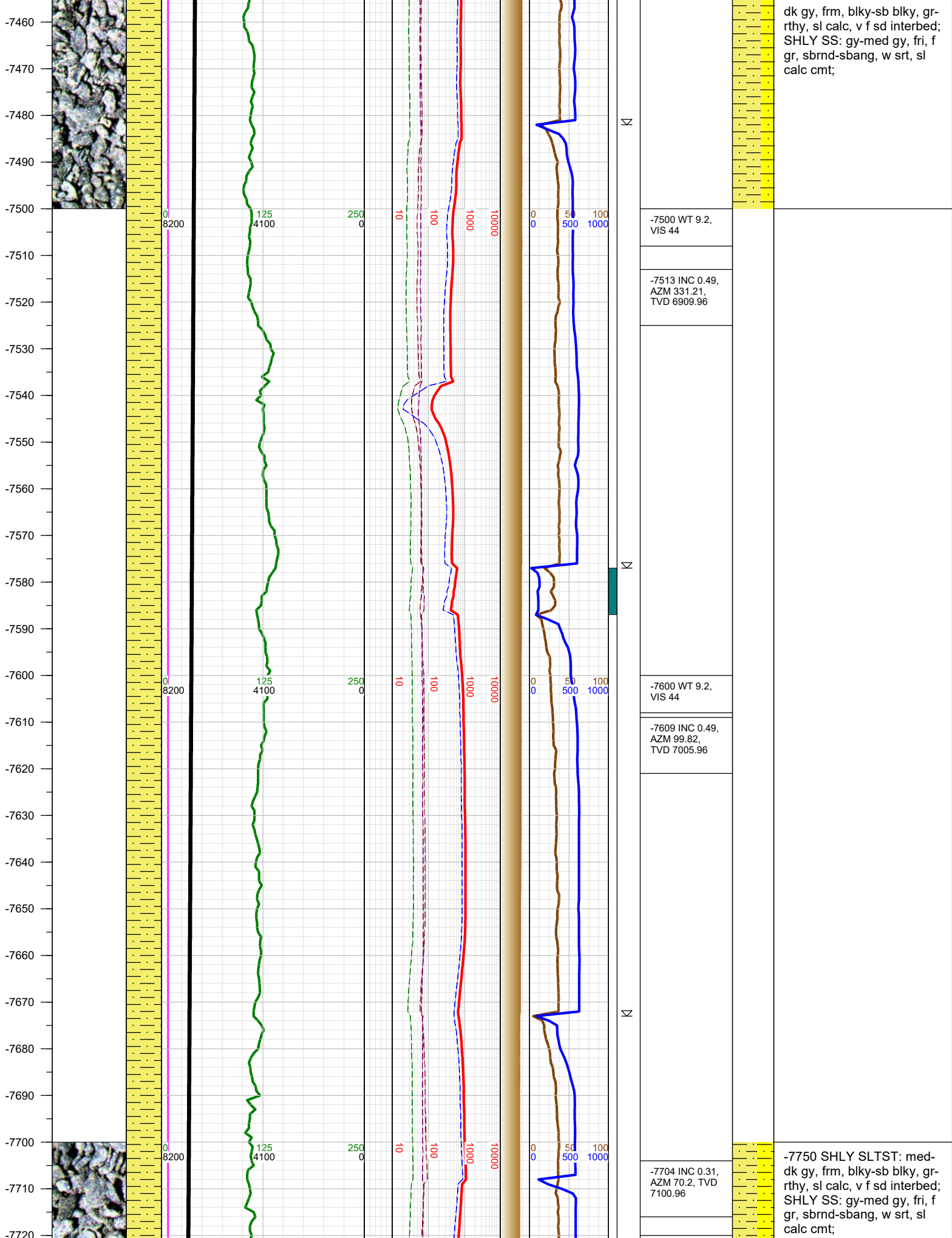




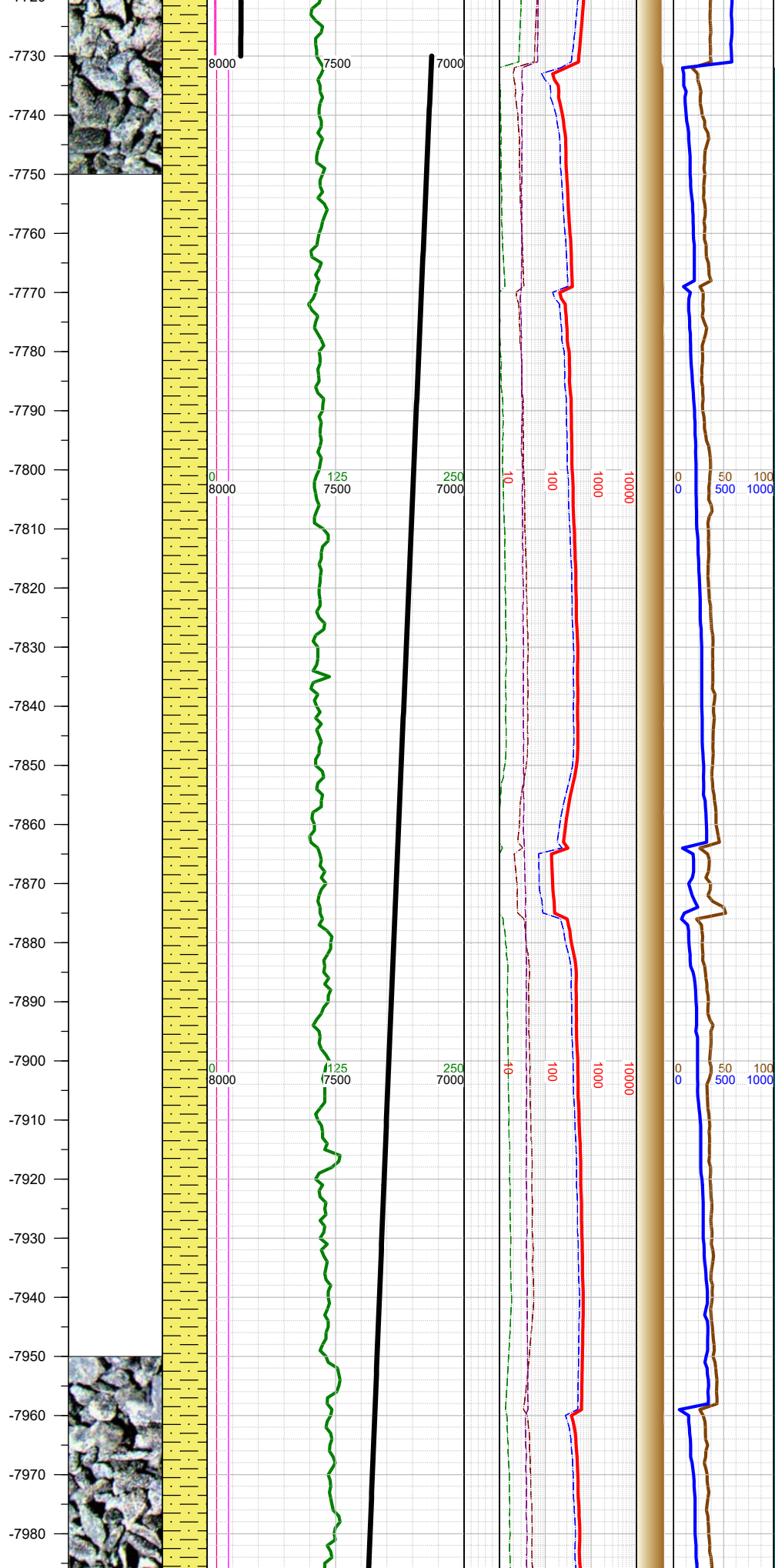








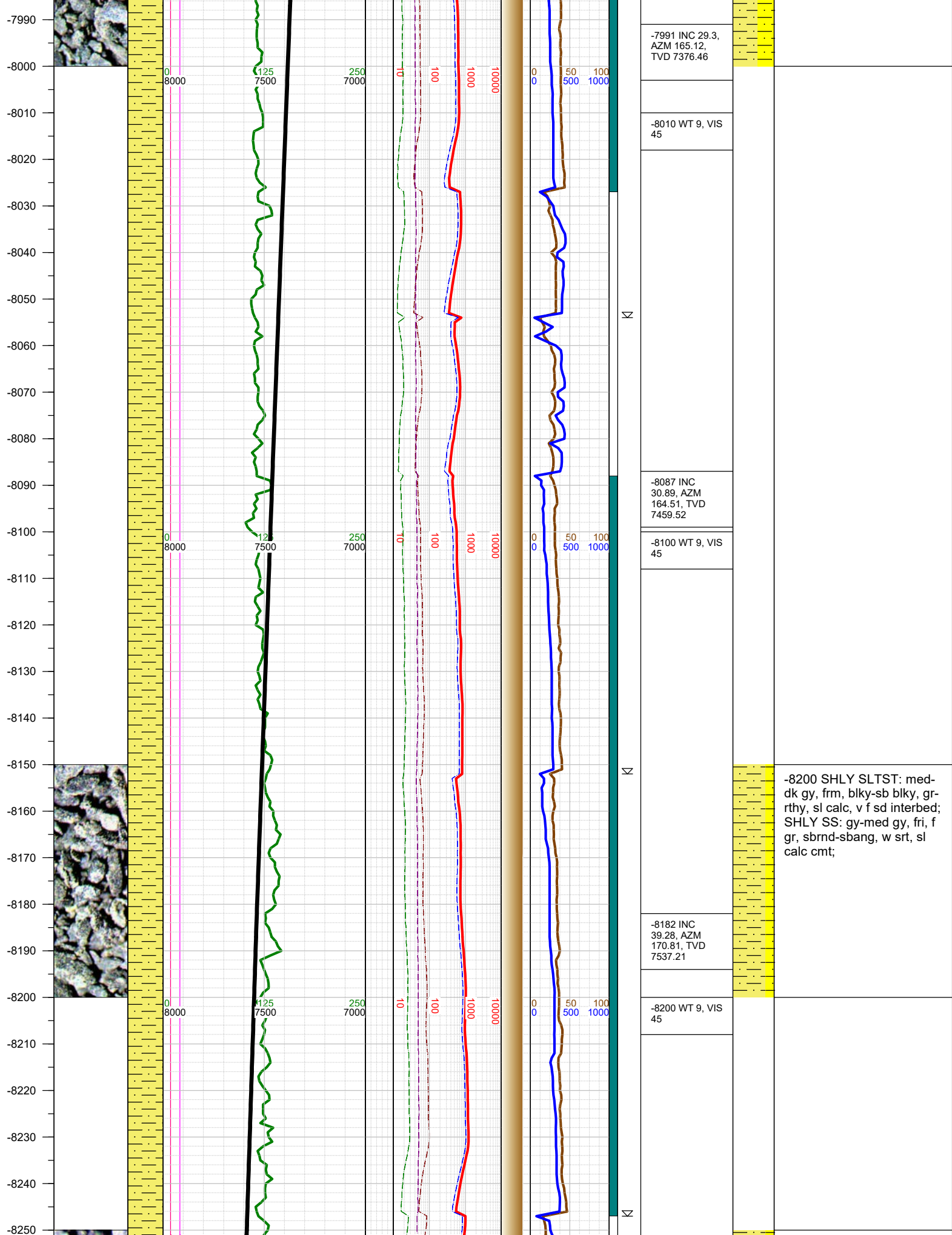


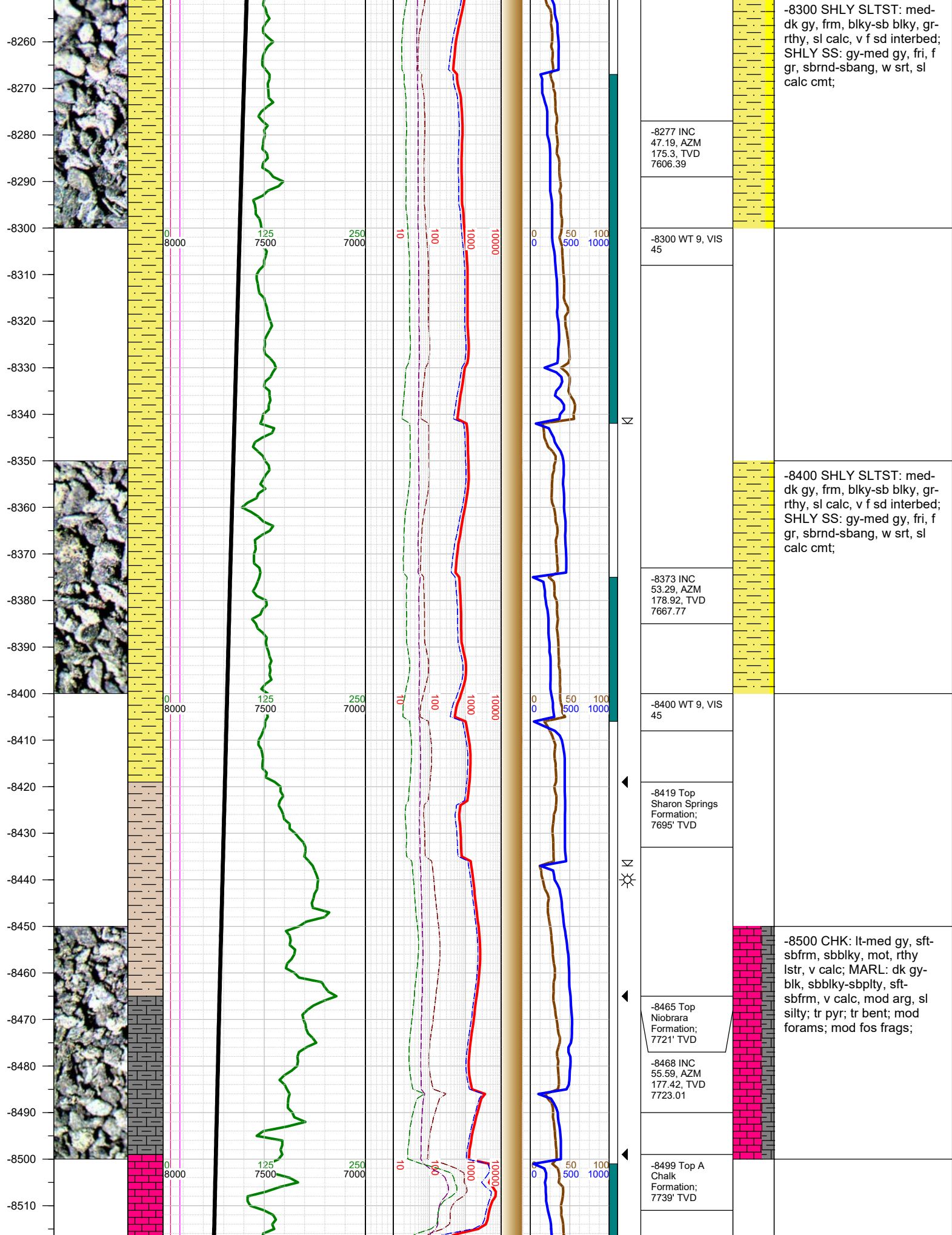


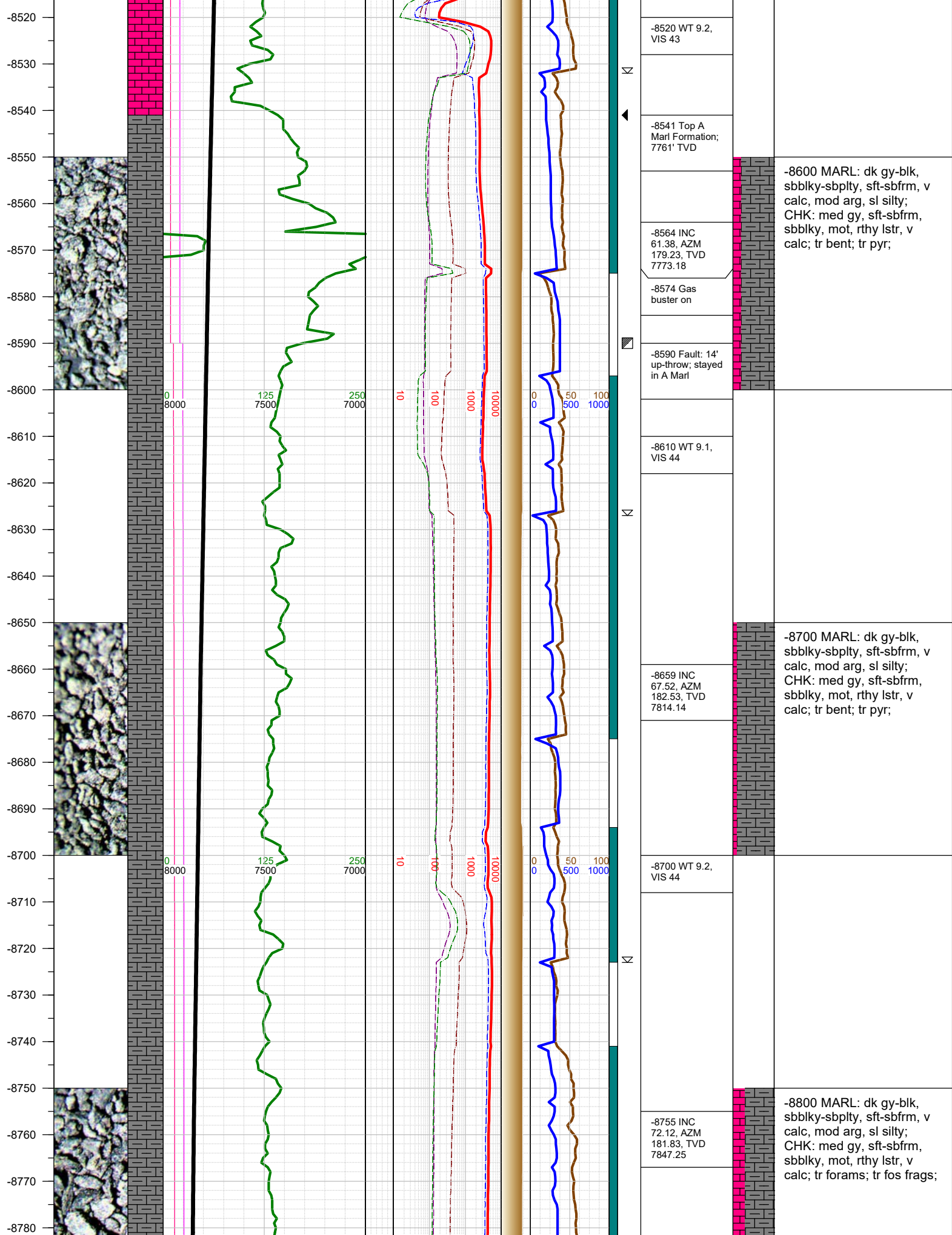
-7720 WT 9.1, VIS 45
-7730 Reached KOP of 7730' MD, 7127' TVD at 0300 hrs on 2/10/2018 and immediately began drilling the curve.
-7730 Change TVD Scale
-7730 0000 hrs on 2/10/2018
-7800 INC 8.62, AZM 160.72, TVD 7196.59
-7820 WT 9, VIS 45
-7895 INC 18.52, AZM 162.83, TVD 7288.83
-7910 WT 9, VIS 45

-8000 SHLY SLTST: med-dk gy, frm, blk-y-sb blk-y, gr-rthy, sl calc, v f sd interbed; SHLY SS: gy-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt;

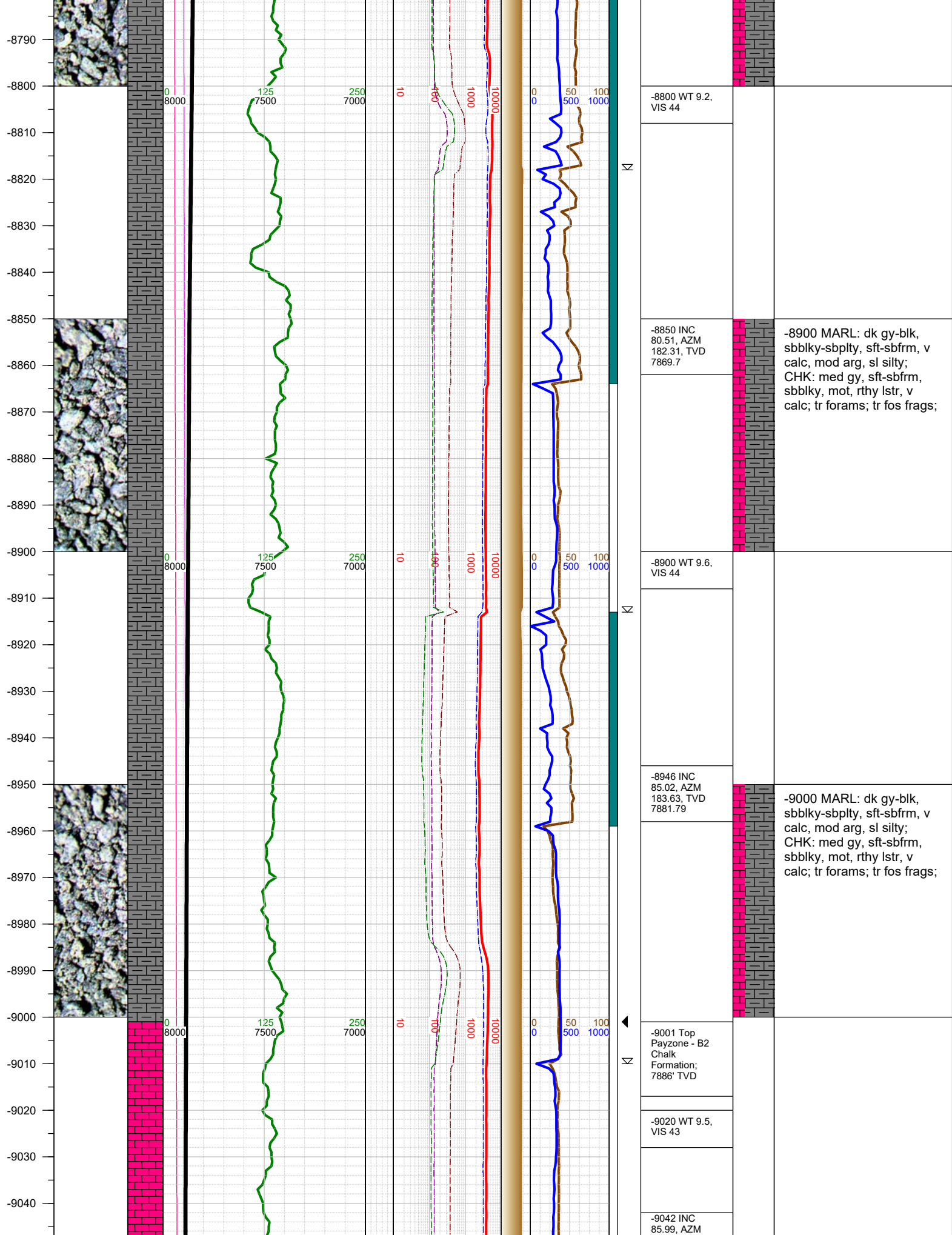




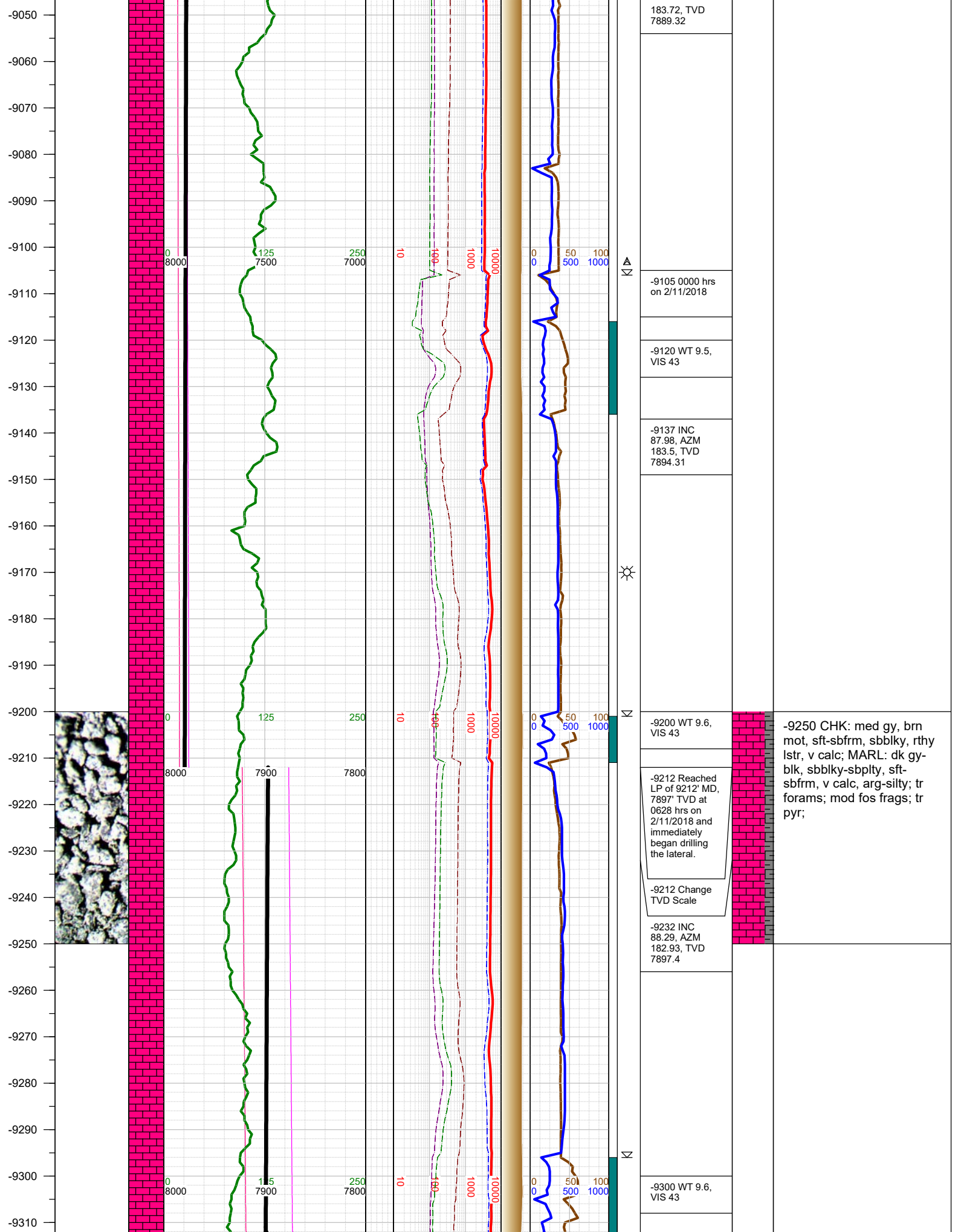


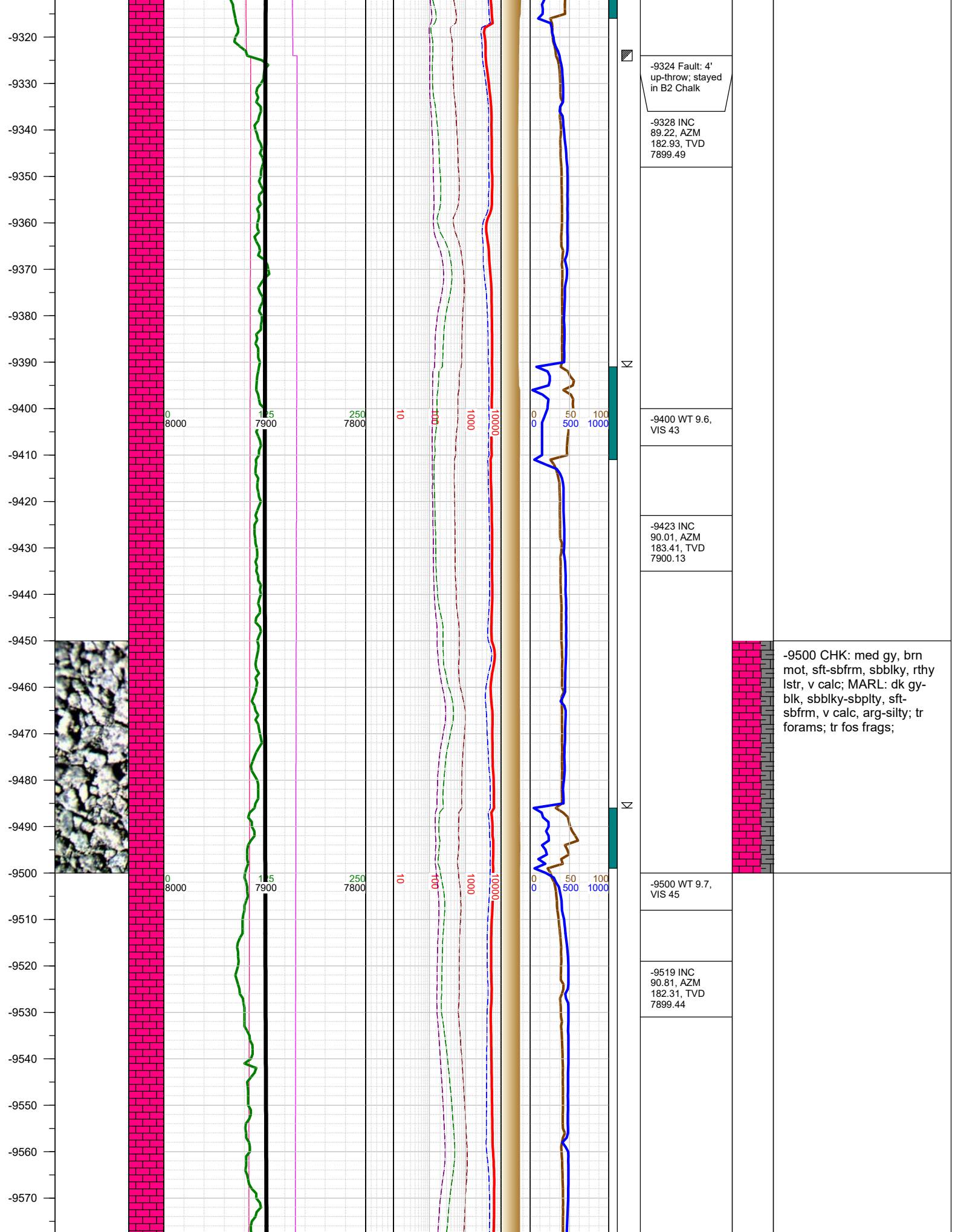


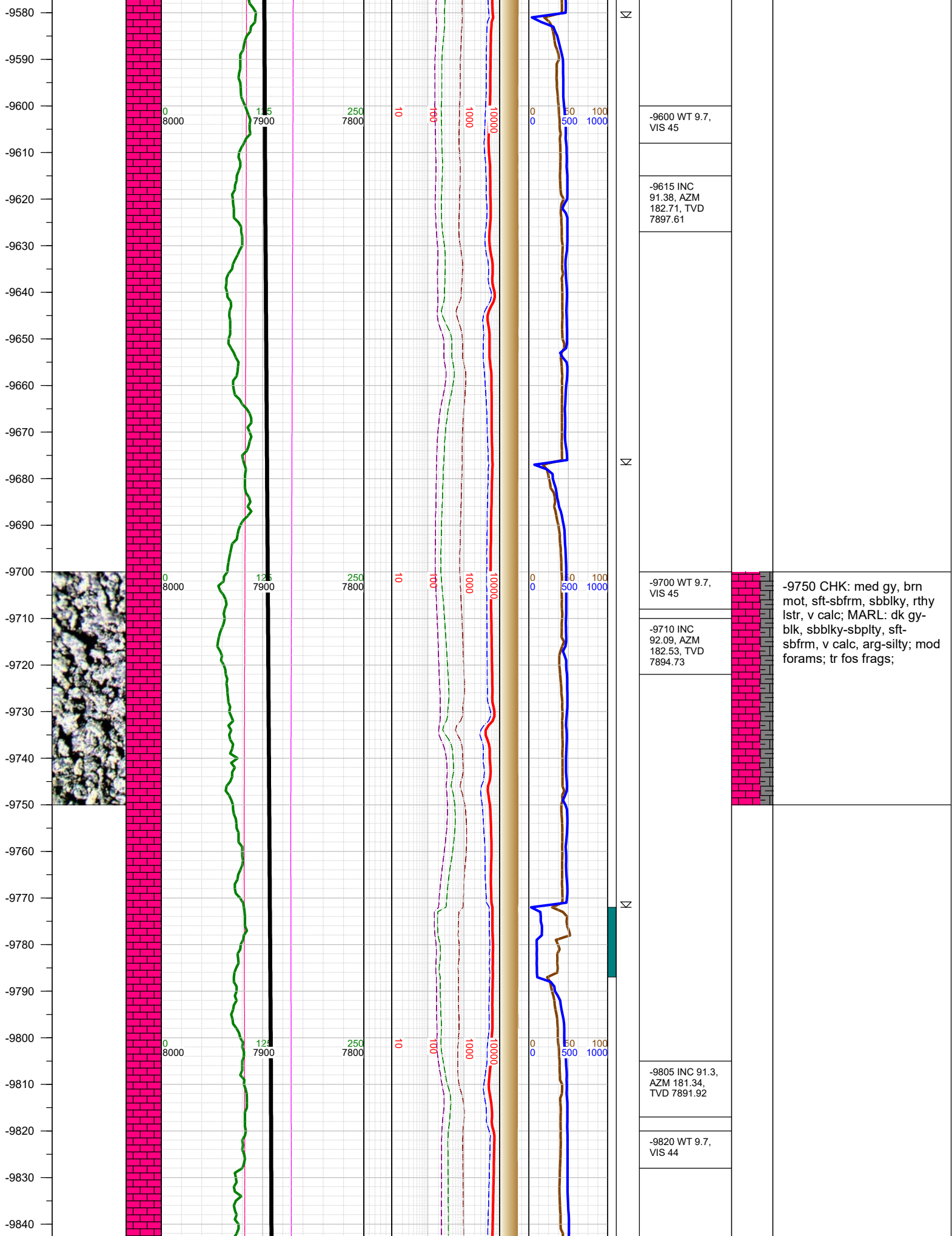




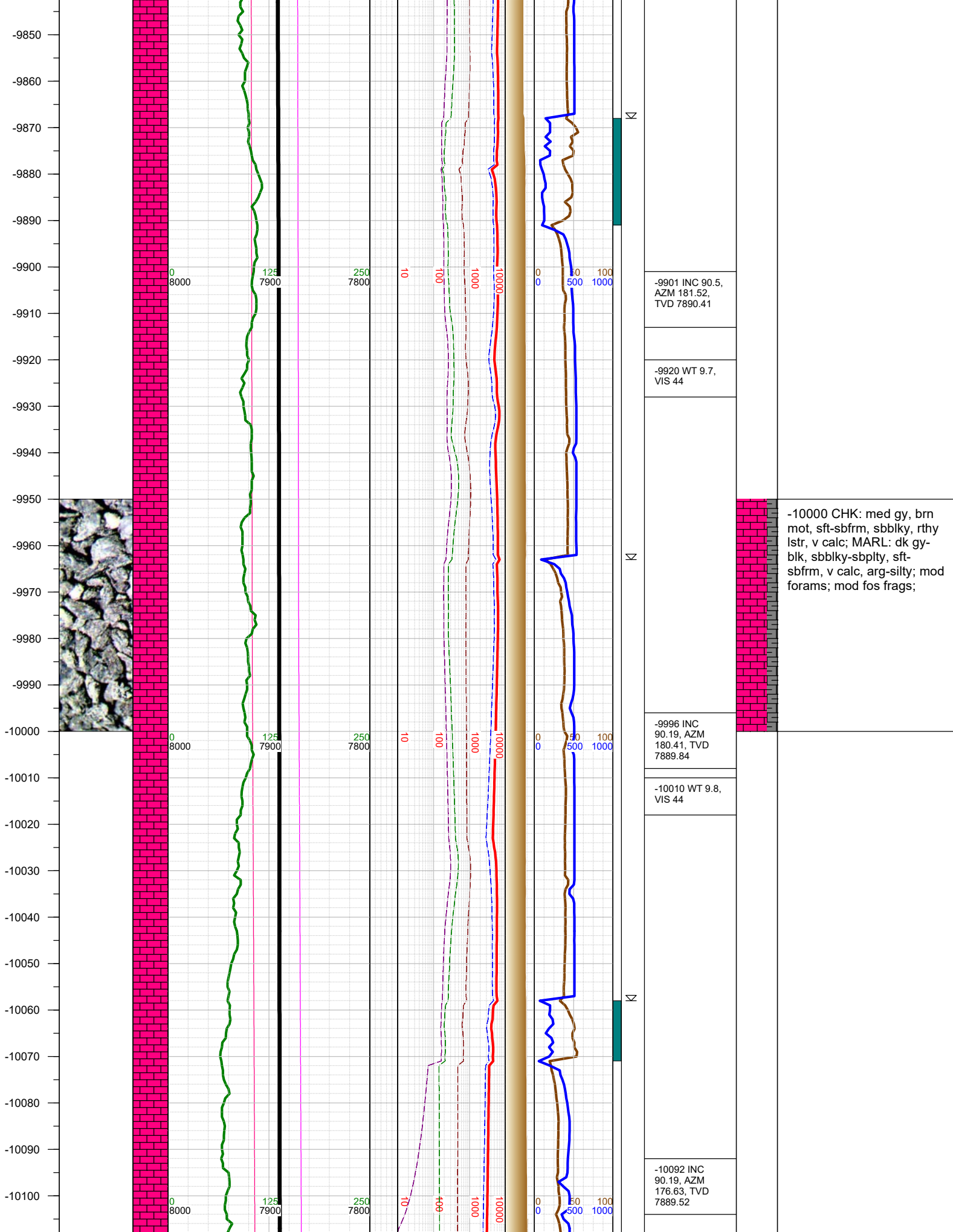




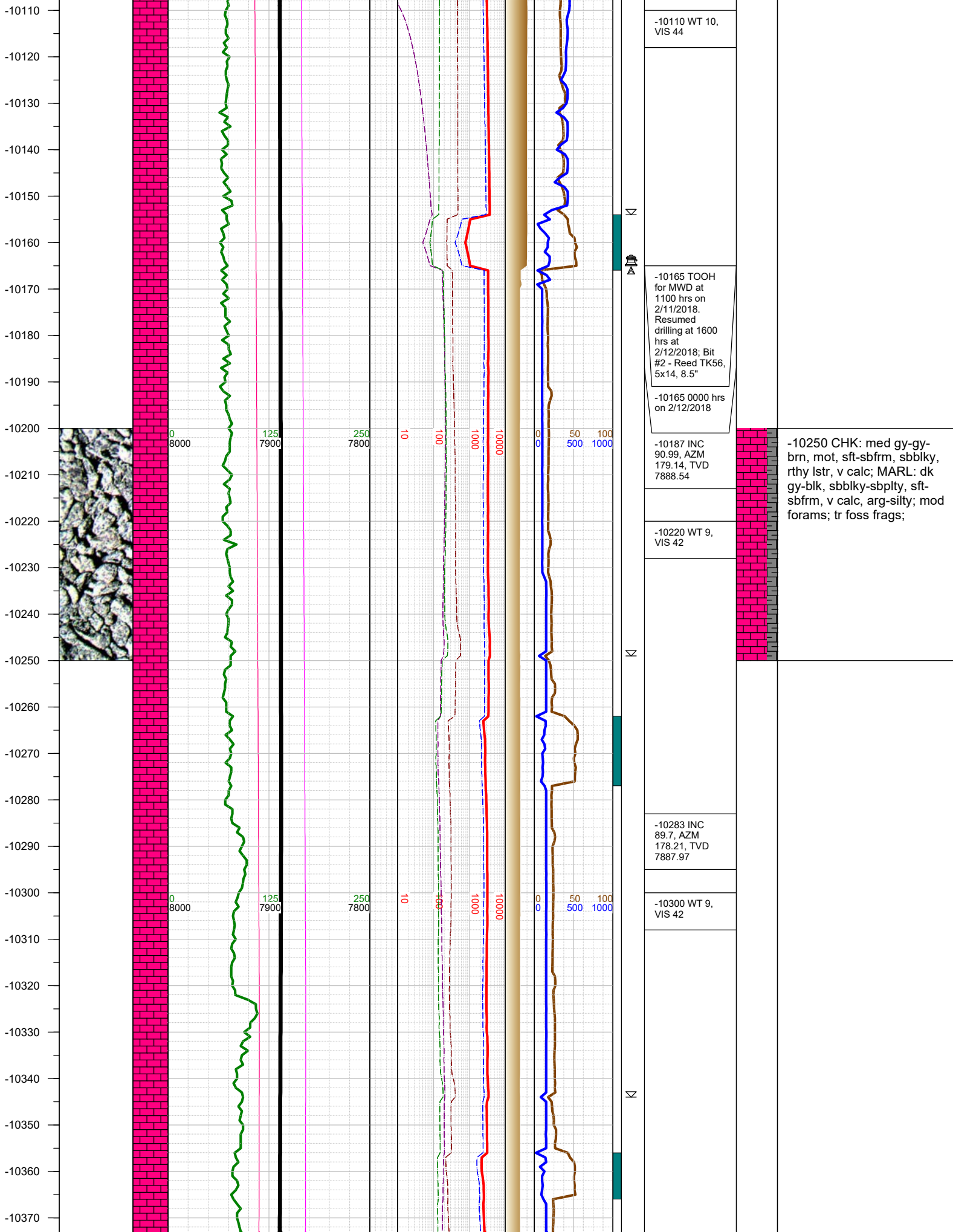


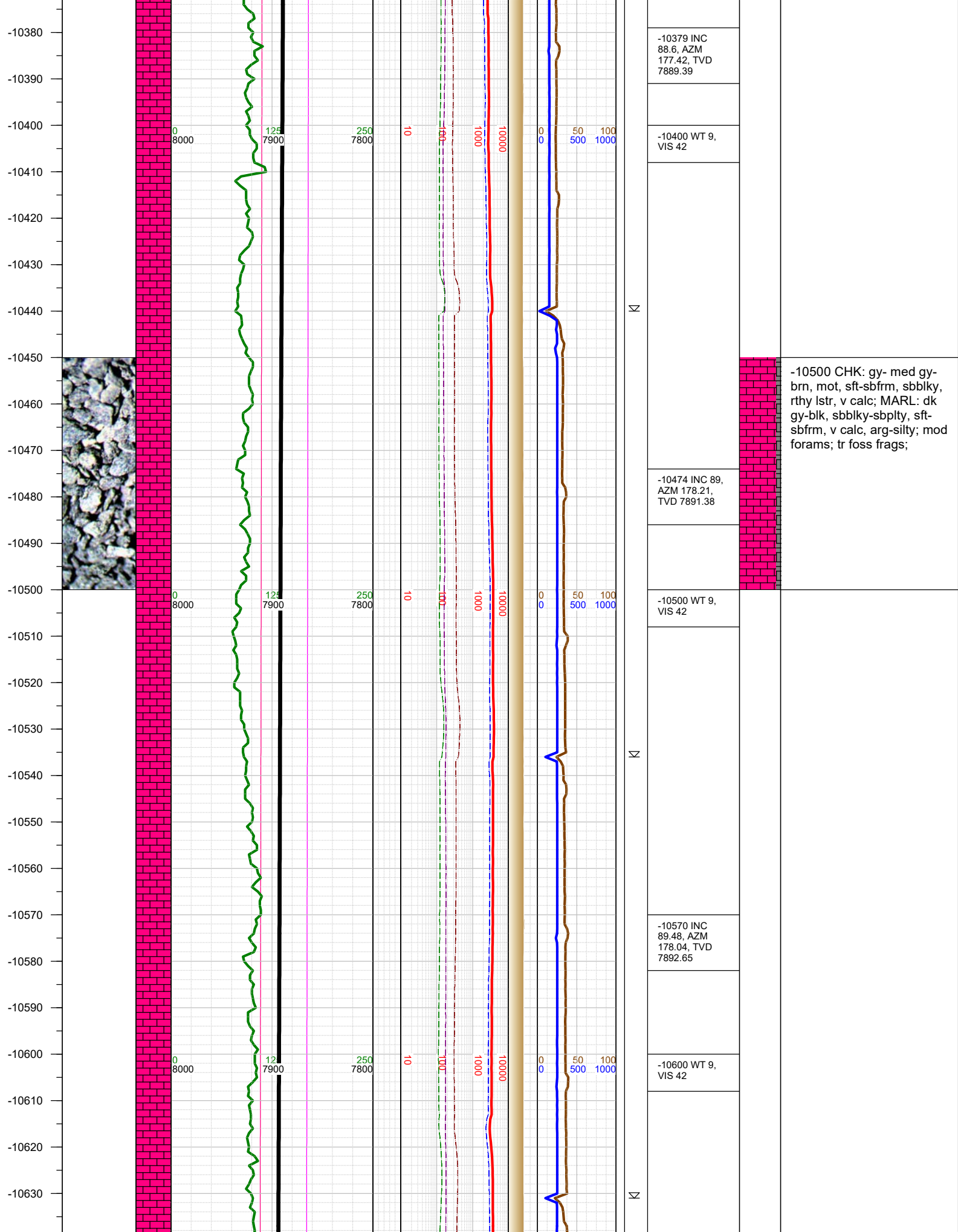


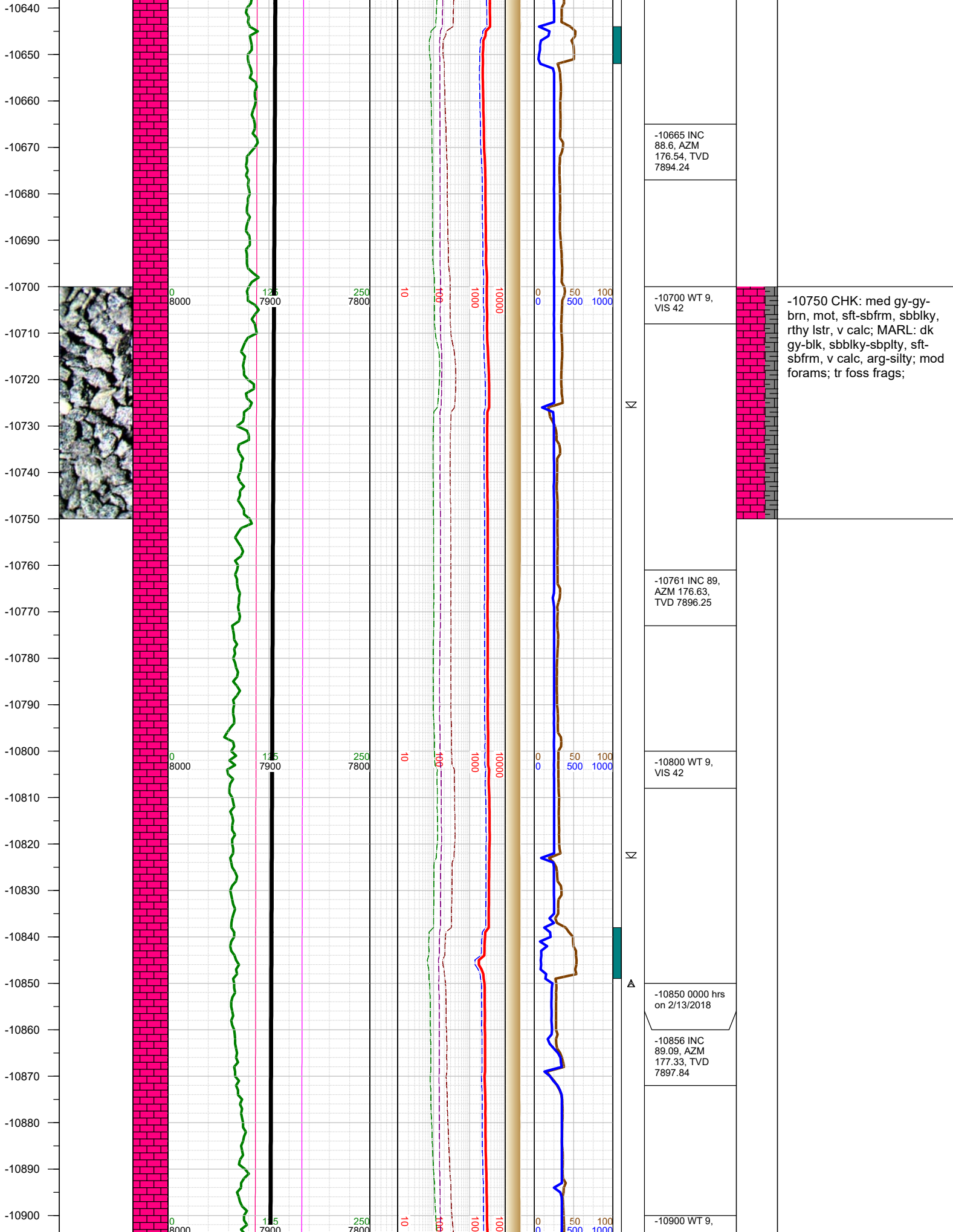












-10665 INC  
88.6, AZM  
176.54, TVD  
7894.24

-10700 WT 9,  
VIS 42

-10761 INC 89,  
AZM 176.63,  
TVD 7896.25

-10800 WT 9,  
VIS 42

-10850 0000 hrs  
on 2/13/2018

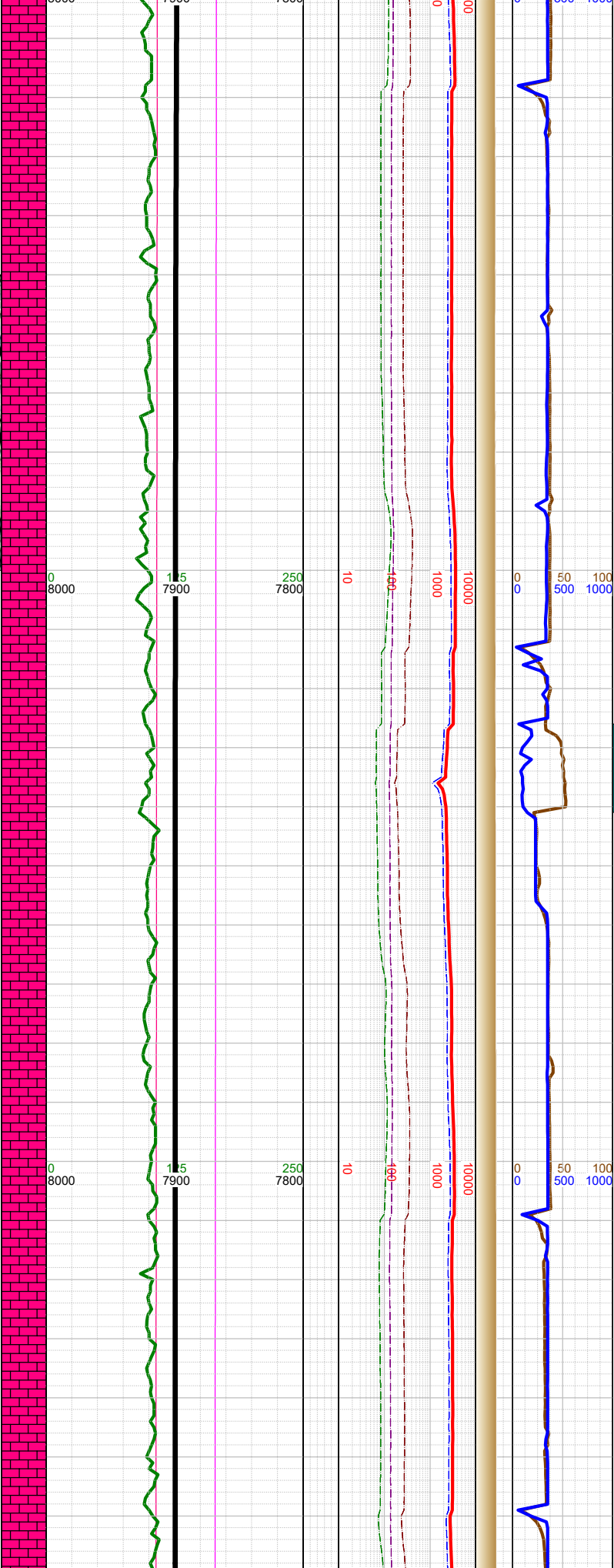
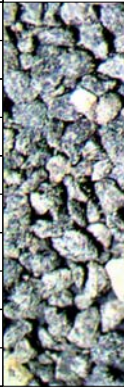
-10856 INC  
89.09, AZM  
177.33, TVD  
7897.84

-10900 WT 9,

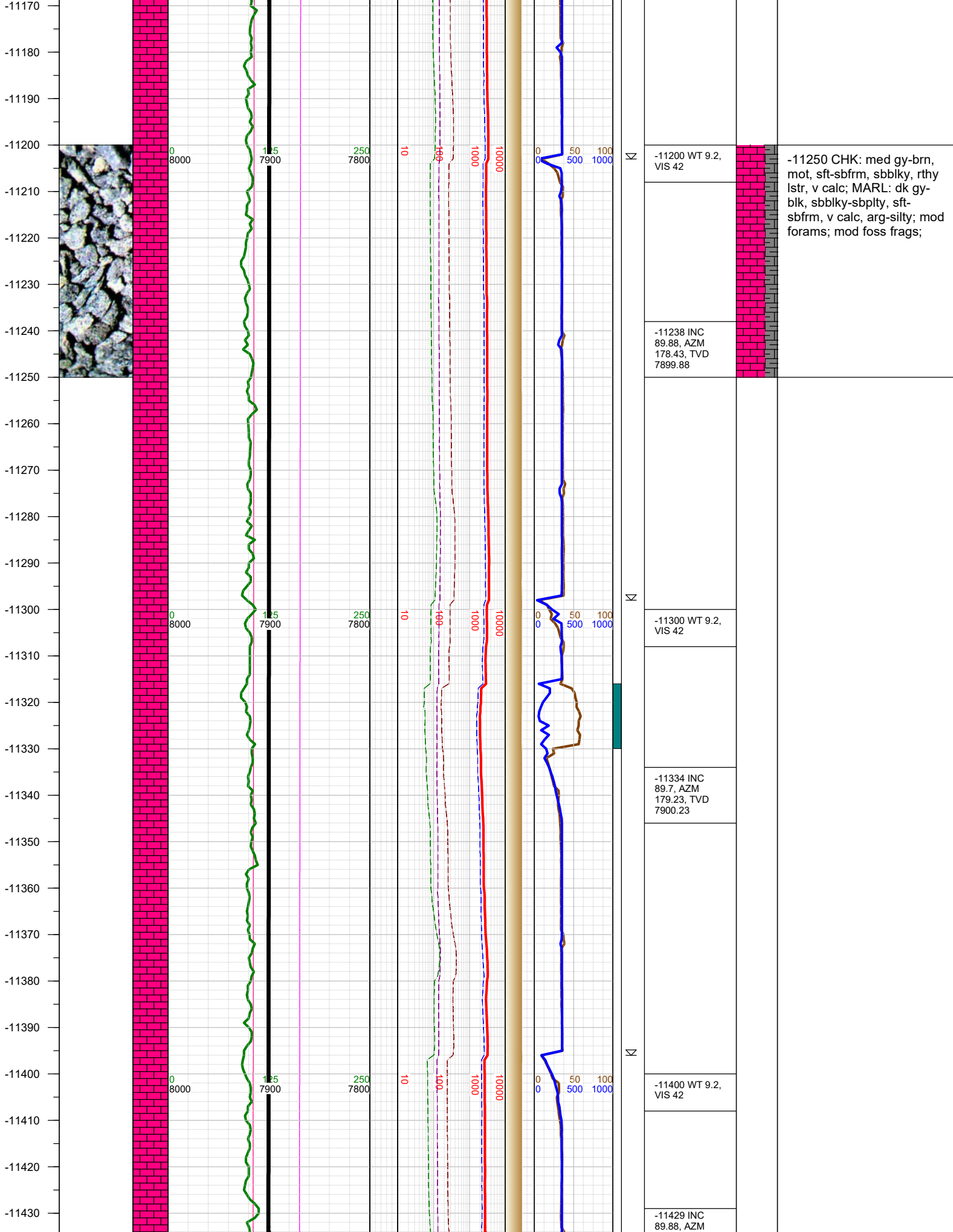
-10750 CHK: med gy-gy-  
brn, mot, sft-sbfrm, sbbkly,  
rthy lstr, v calc; MARL: dk  
gy-blk, sbbkly-sbply, sft-  
sbfrm, v calc, arg-silty; mod  
forams; tr foss frags;

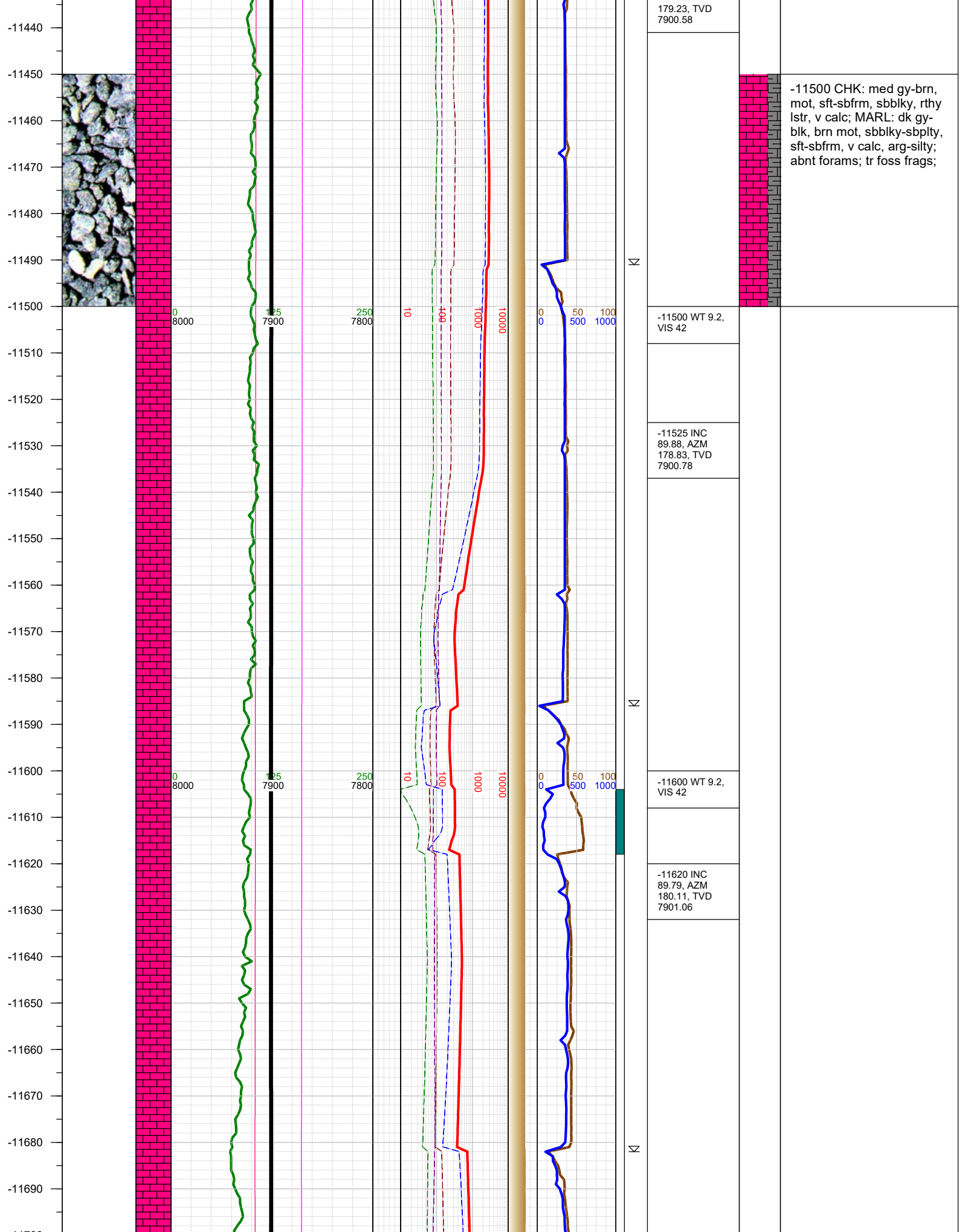


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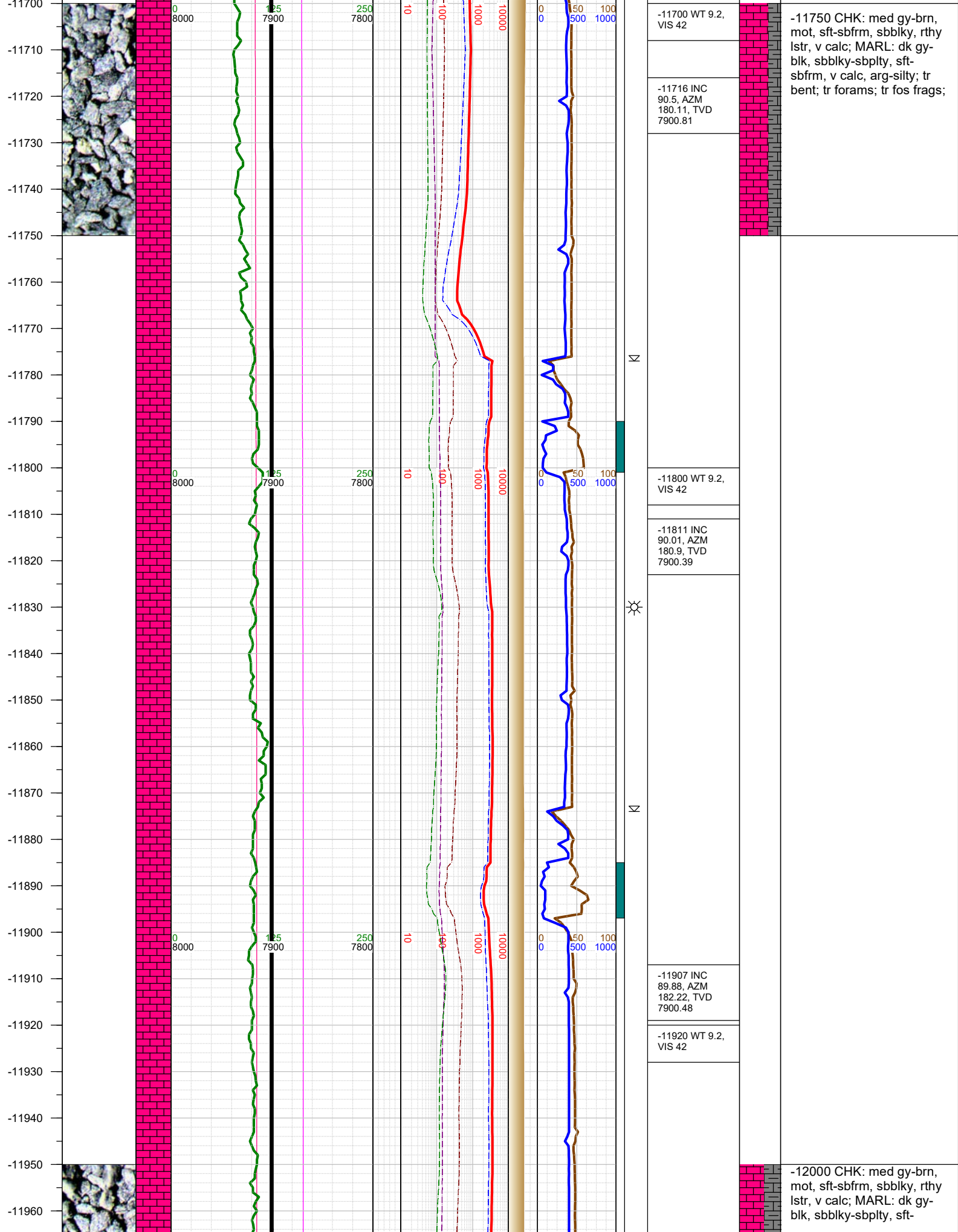


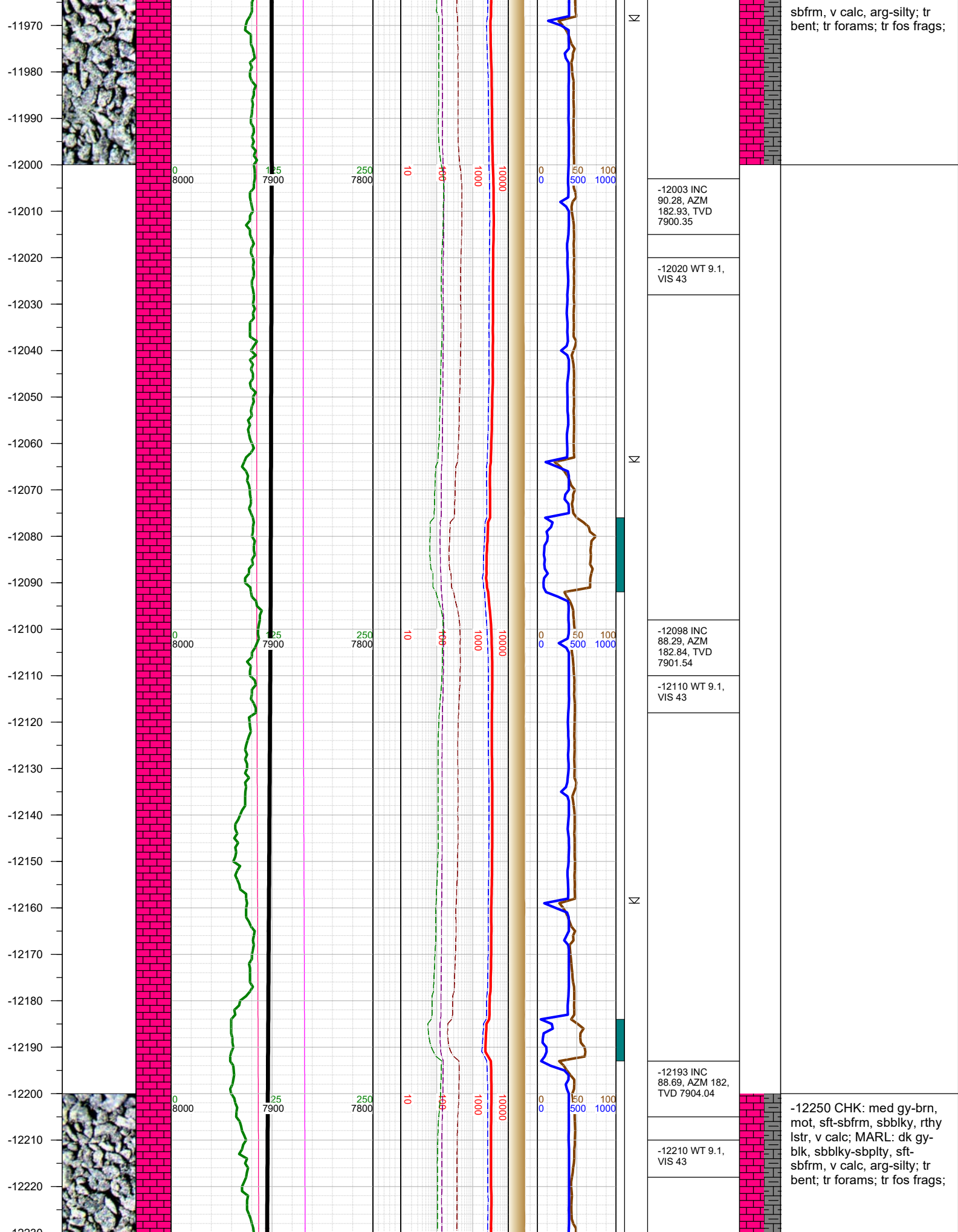
VIS 42	-	
-10952 INC 89.22, AZM 176.54, TVD 7899.25	-	-11000 CHK: med gy-brn, mot, sft-sbfrm, sbbiky, rthy lstr, v calc; MARL: dk gy- blk, sbbiky-sbplty, sft- sbfrm, v calc, arg-silty; mod forams; tr foss frags;
-11000 WT 9, VIS 42	-	
-11047 INC 90.19, AZM 179.93, TVD 7899.74	-	
-11100 WT 9.2, VIS 41	-	
-11143 INC 89.88, AZM 180.02, TVD 7899.68	-	

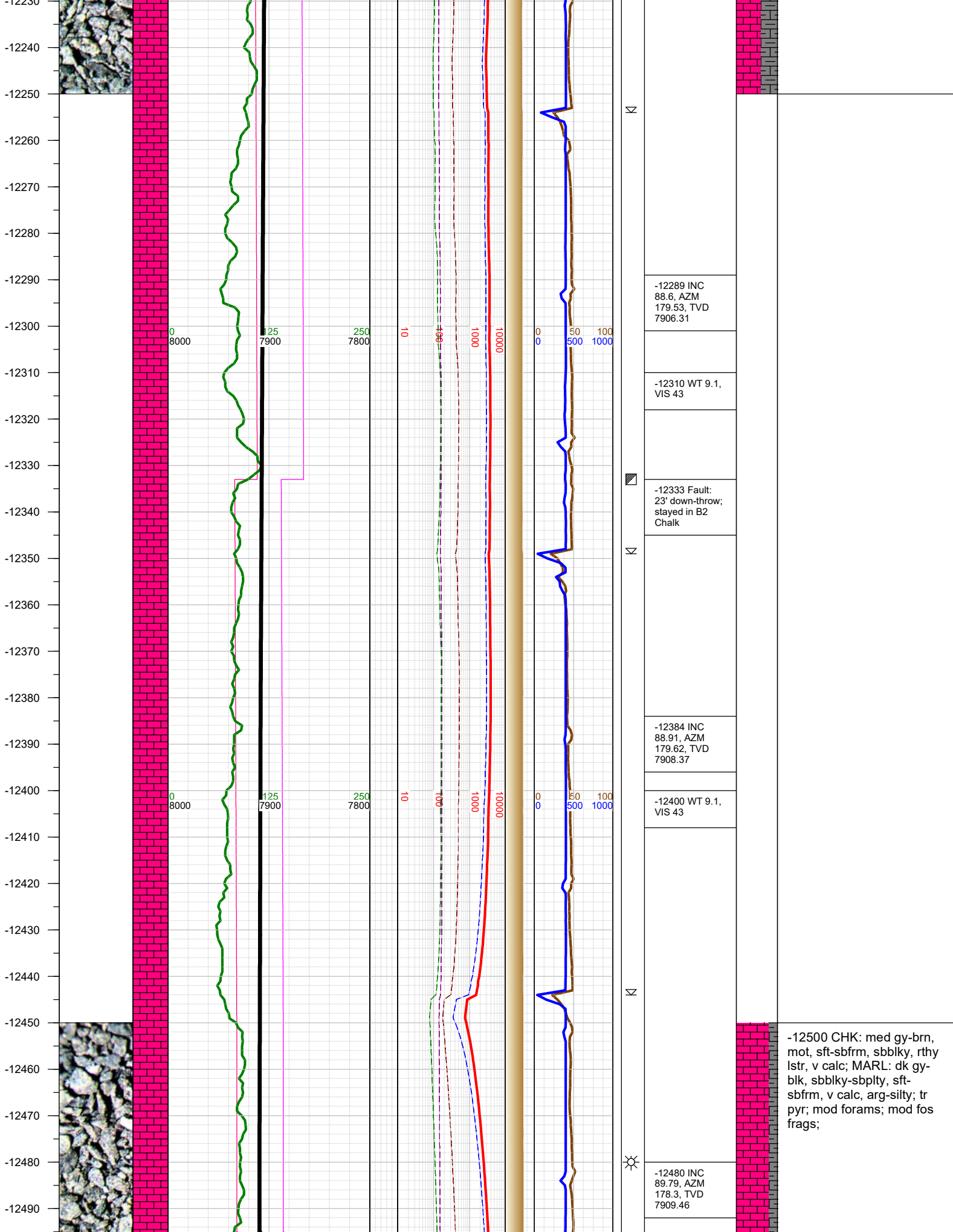




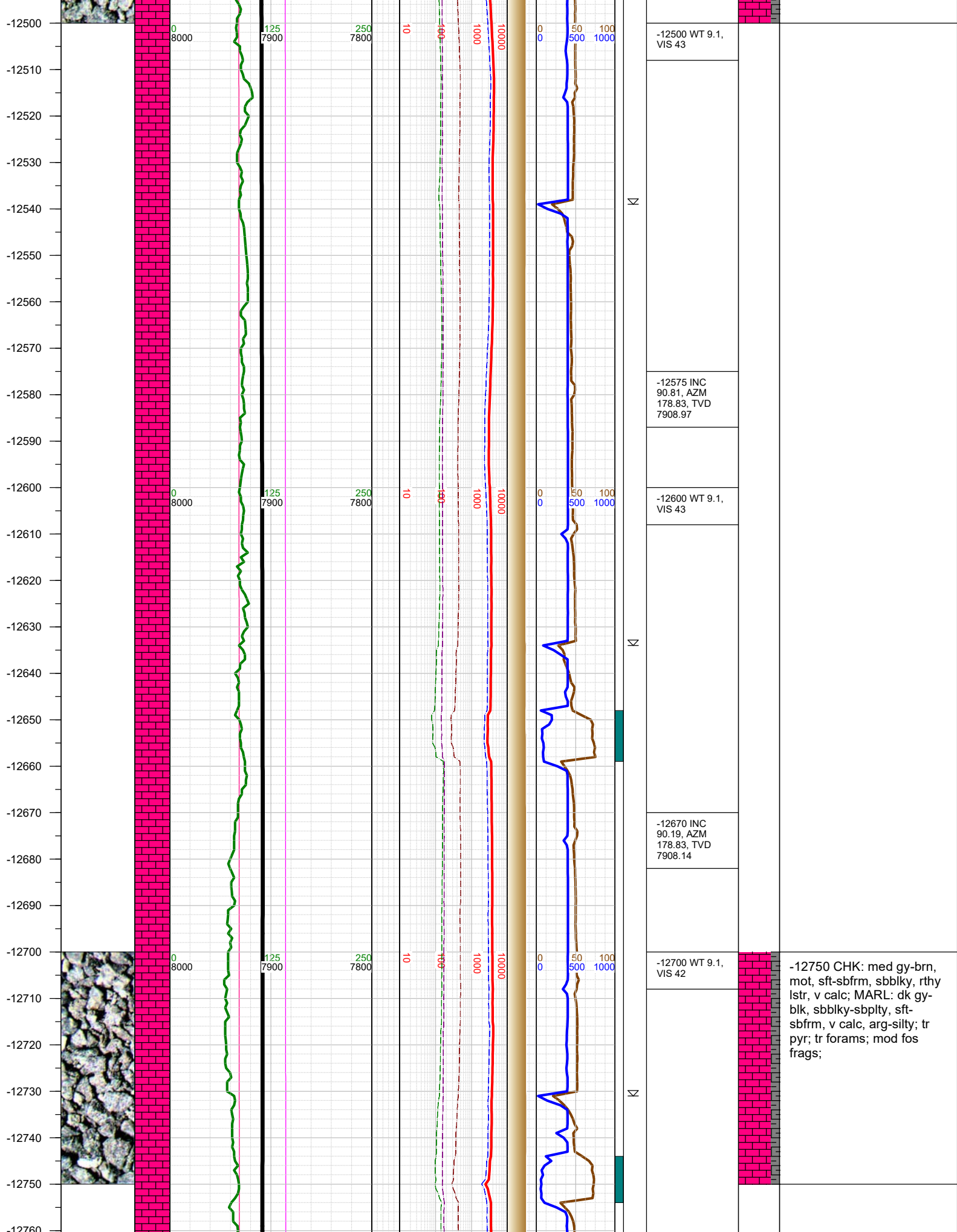


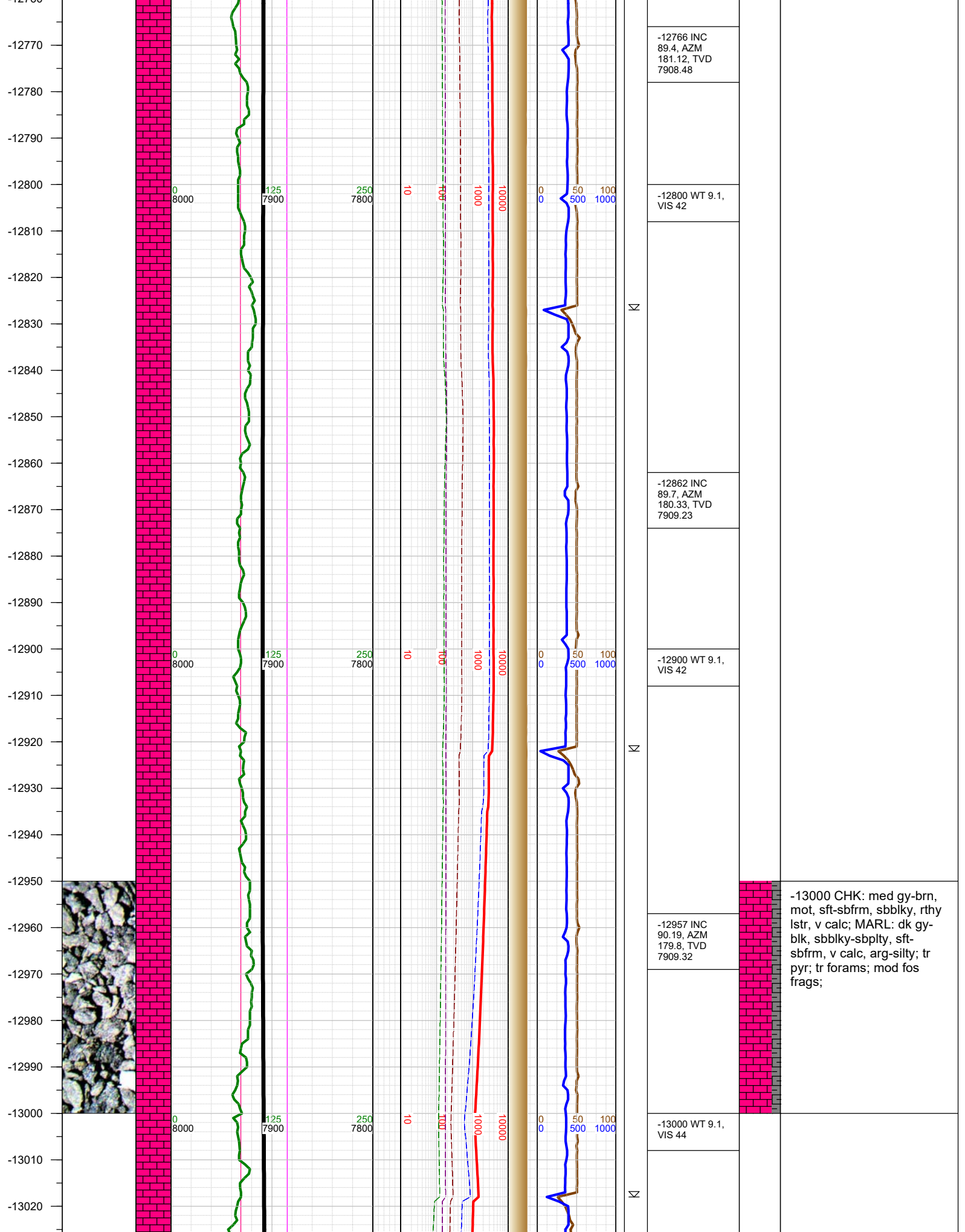




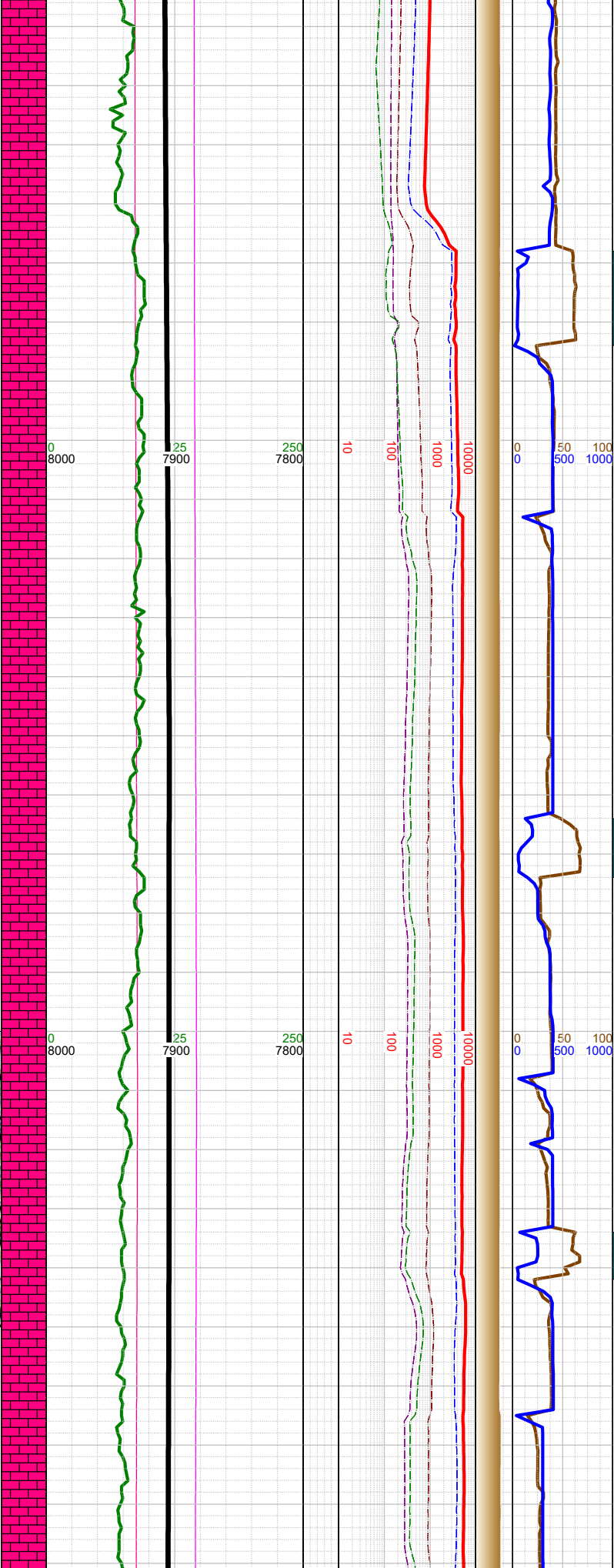




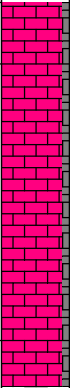




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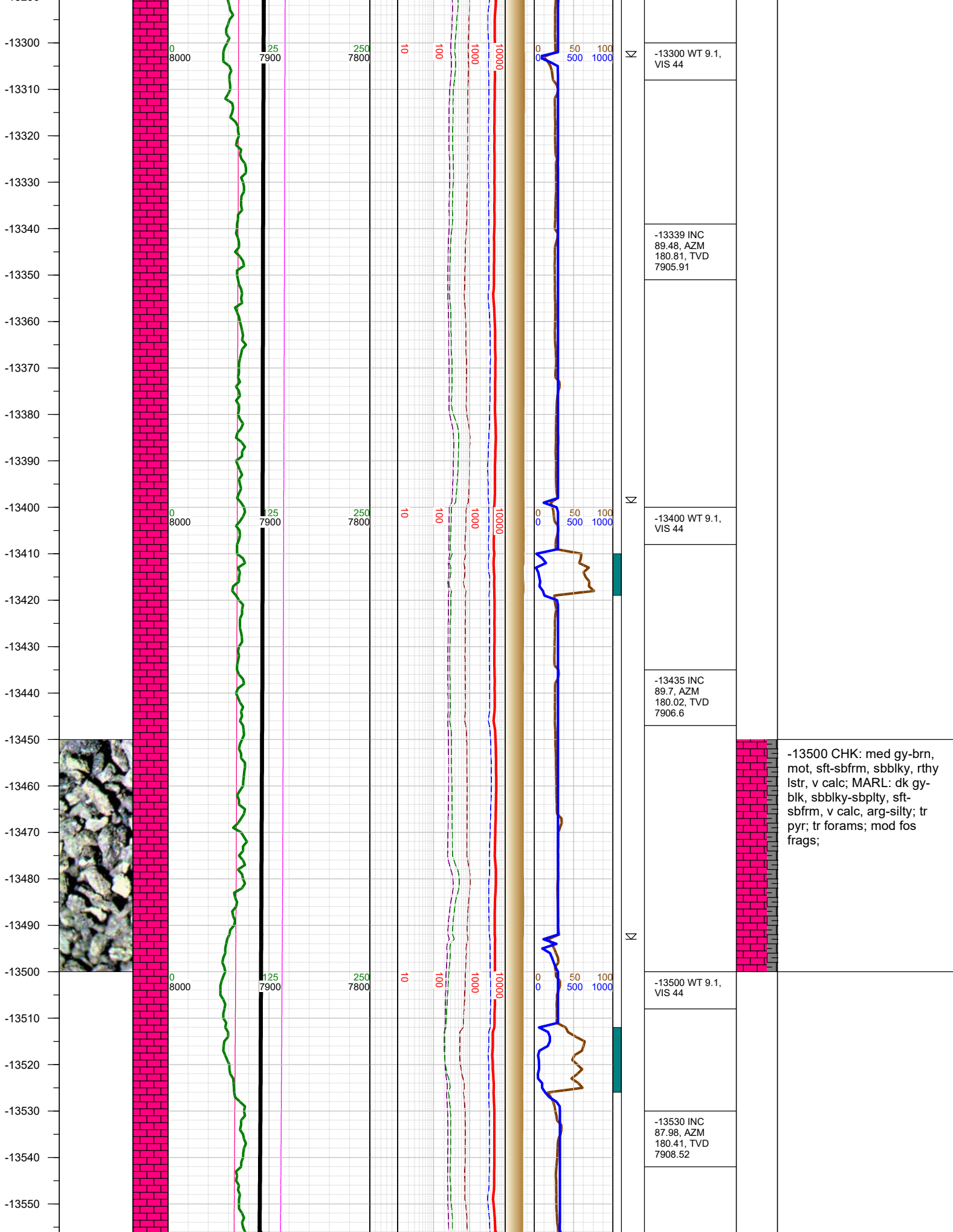


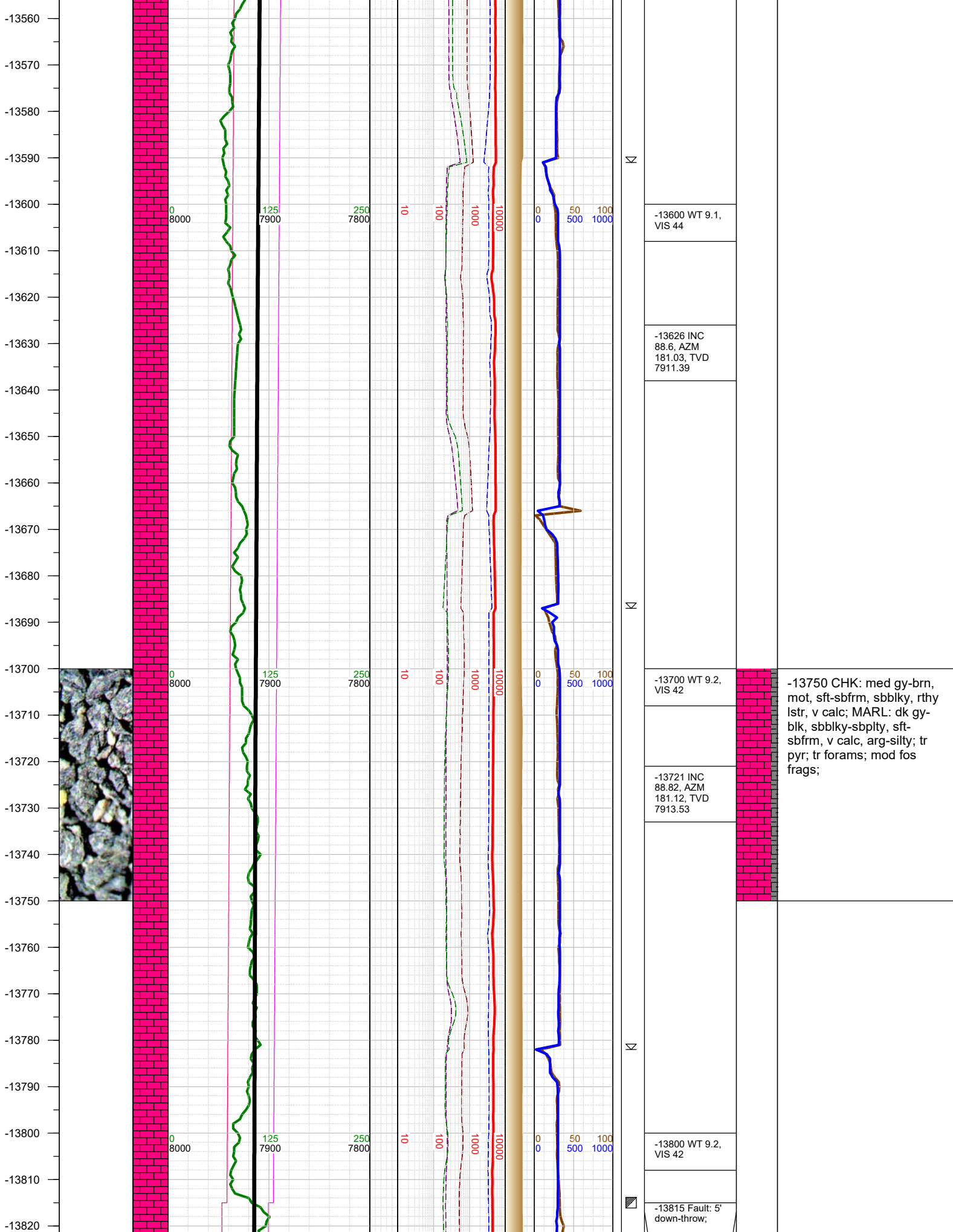
	-13053 INC 92.49, AZM 179, TVD 7907.08
	-13100 WT 9.1, VIS 43
	-13148 INC 90.81, AZM 179.31, TVD 7904.34
	-13200 WT 9.1, VIS 43
	-13244 INC 88.91, AZM 180.24, TVD 7904.58

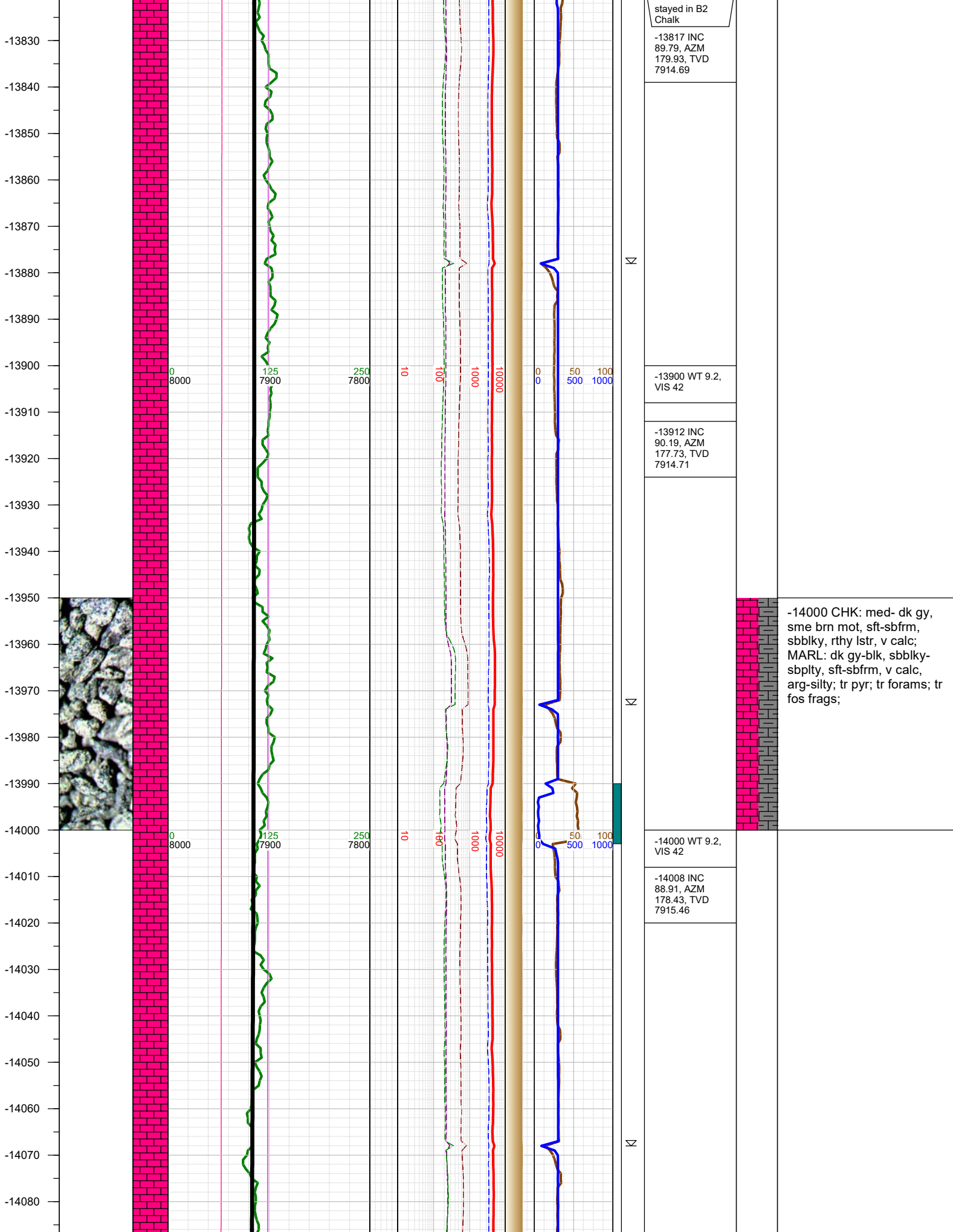


-13250 CHK: med gy-brn,  
mot, sft-sbfrm, sbbiky, rthy  
lstr, v calc; MARL: dk gy-  
blk, sbbiky-sbplty, sft-  
sbfrm, v calc, arg-silty; tr  
pyr; tr forams; mod fos  
frags;

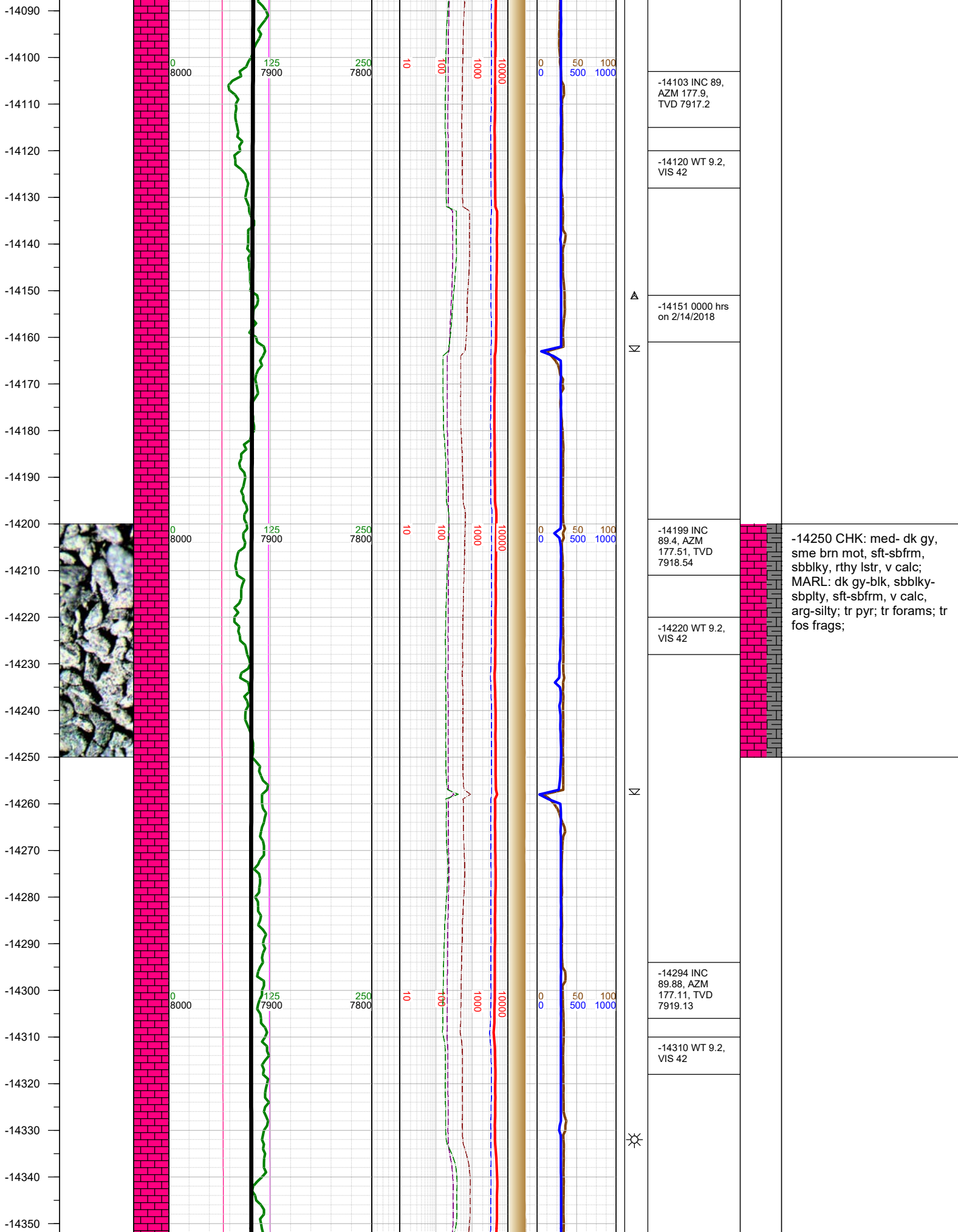


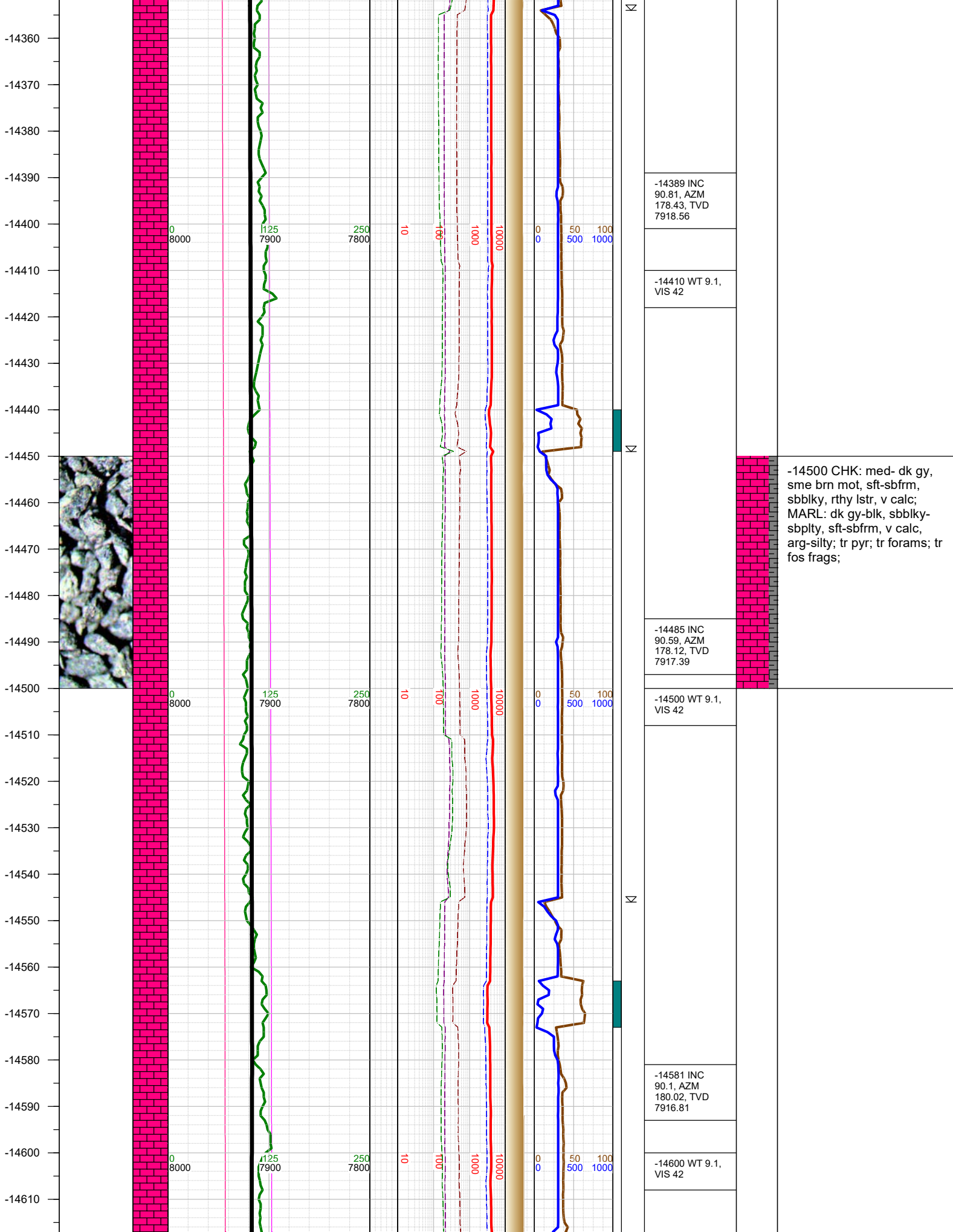


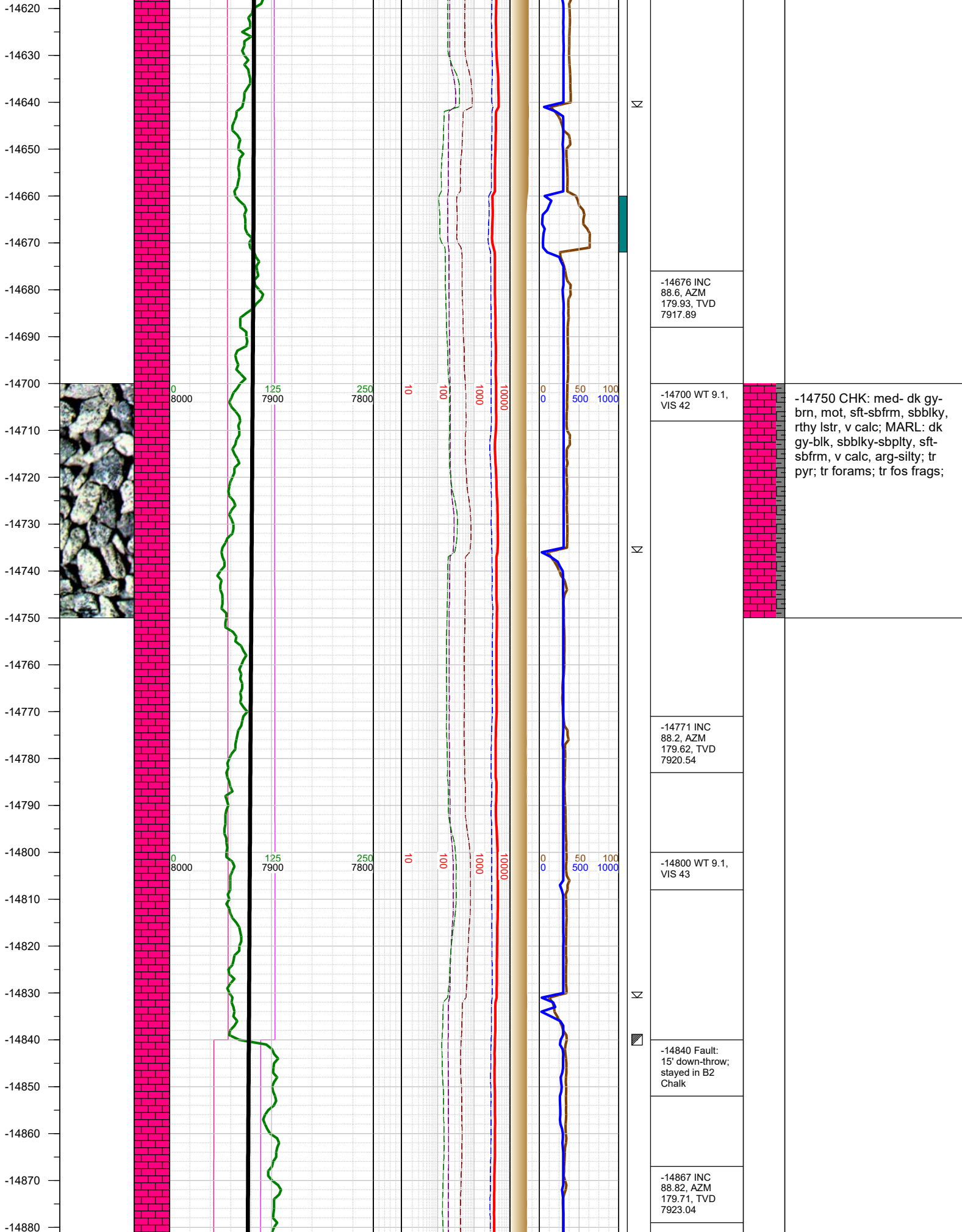






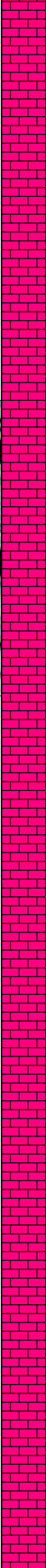
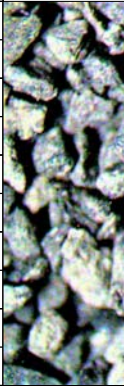








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-14900 WT 9.1,  
VIS 43

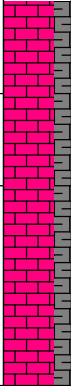
-14962 INC  
88.91, AZM  
178.04, TVD  
7924.92

-15000 WT 9.1,  
VIS 43

-15058 INC  
89.79, AZM  
176.93, TVD  
7926.01

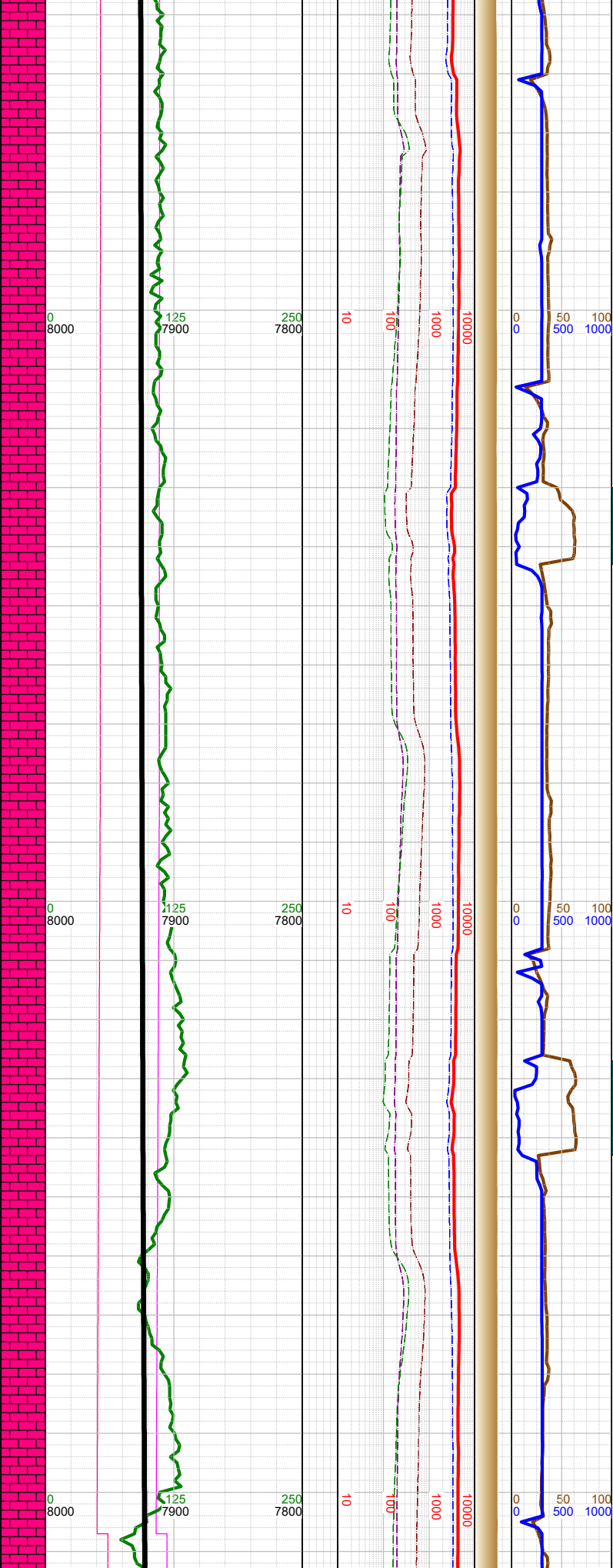
-15100 WT 9.1,  
VIS 44

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-15000 CHK: med- dk gy-  
brn, mot, sft-sbfrm, sbblky,  
rthy lstr, v calc; MARL: dk  
gy-blk, sbblky-sbplty, sft-  
sbfrm, v calc, arg-silty; tr  
pyr; tr forams; tr fos frags;  
tr pyr;

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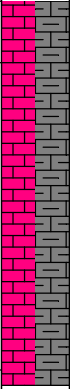
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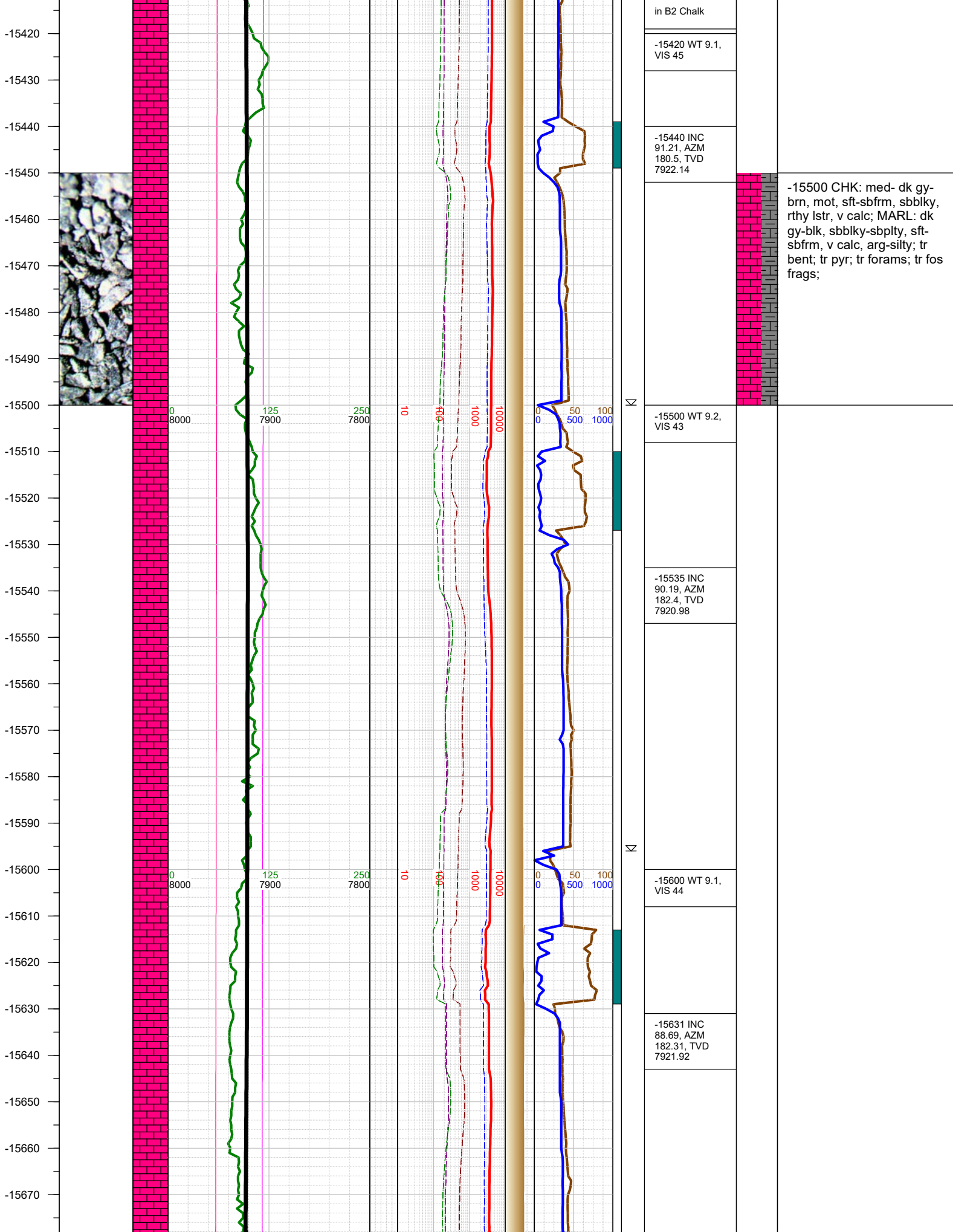
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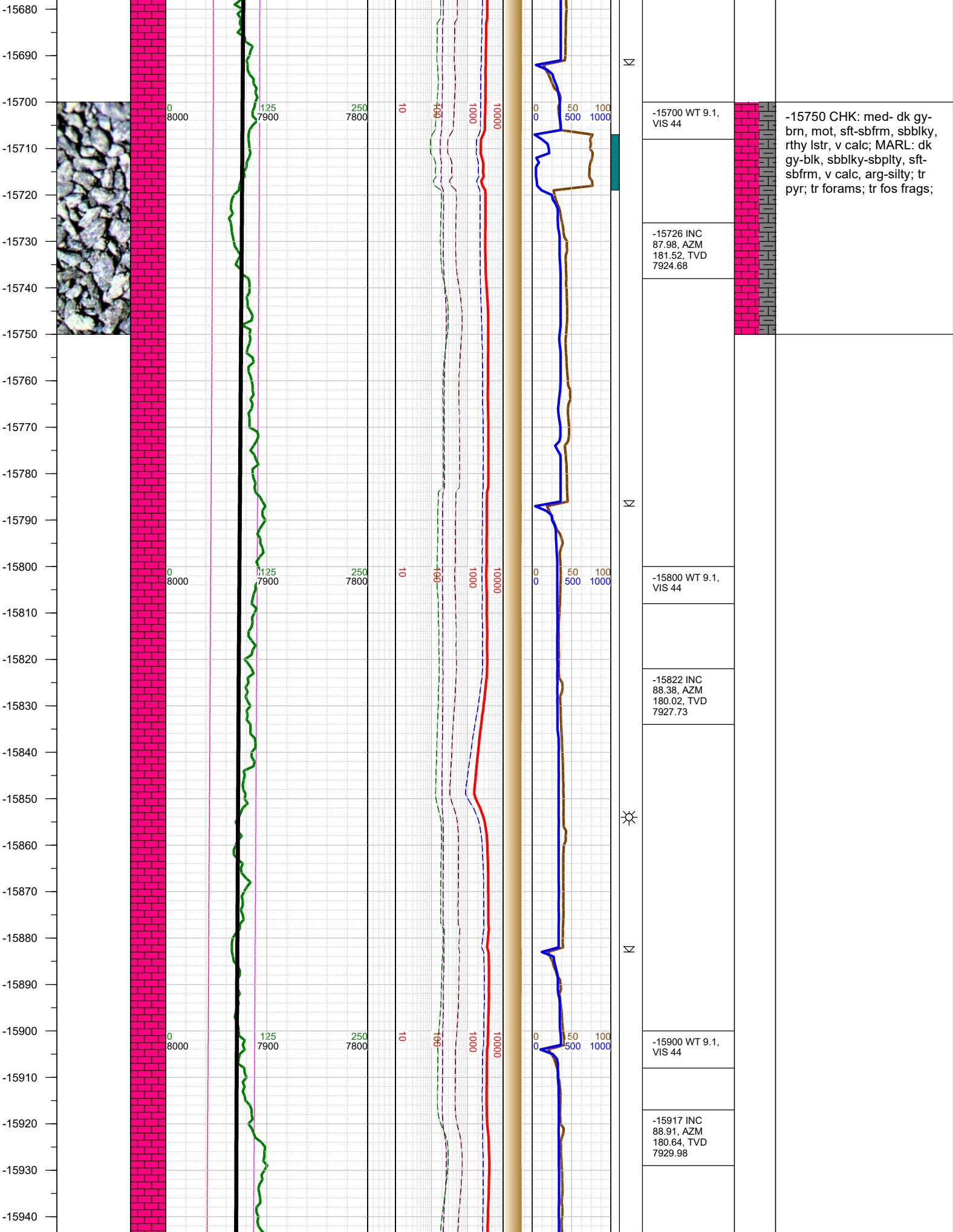
-15153 INC 90.41, AZM 176.8, TVD 7925.84	
-15200 WT 9.1, VIS 43	
-15248 INC 90.28, AZM 178.83, TVD 7925.27	
-15300 WT 9.1, VIS 43	
-15344 INC 91.12, AZM 179.8, TVD 7924.1	
-15407 Fault: 9' up-throw; stayed	

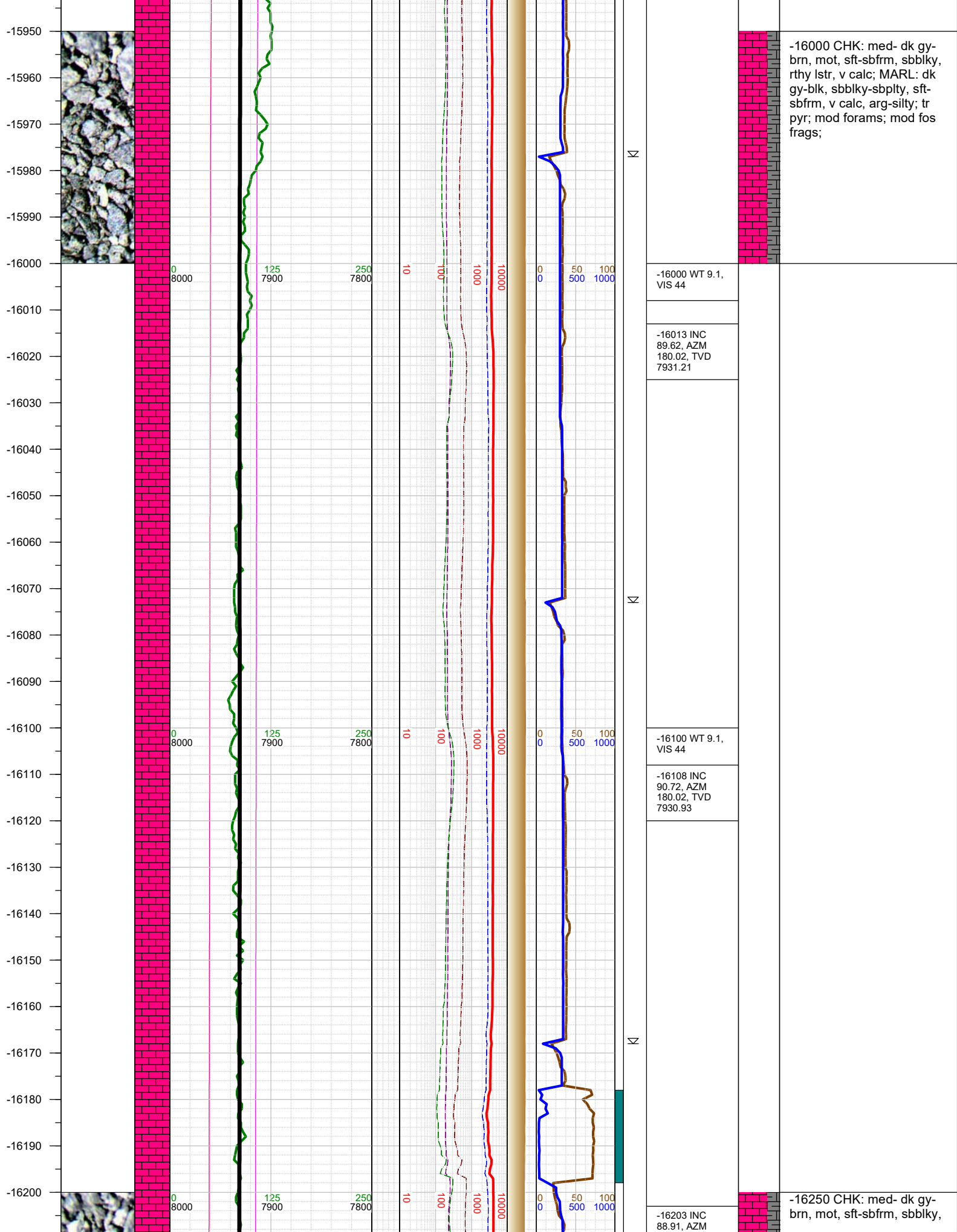


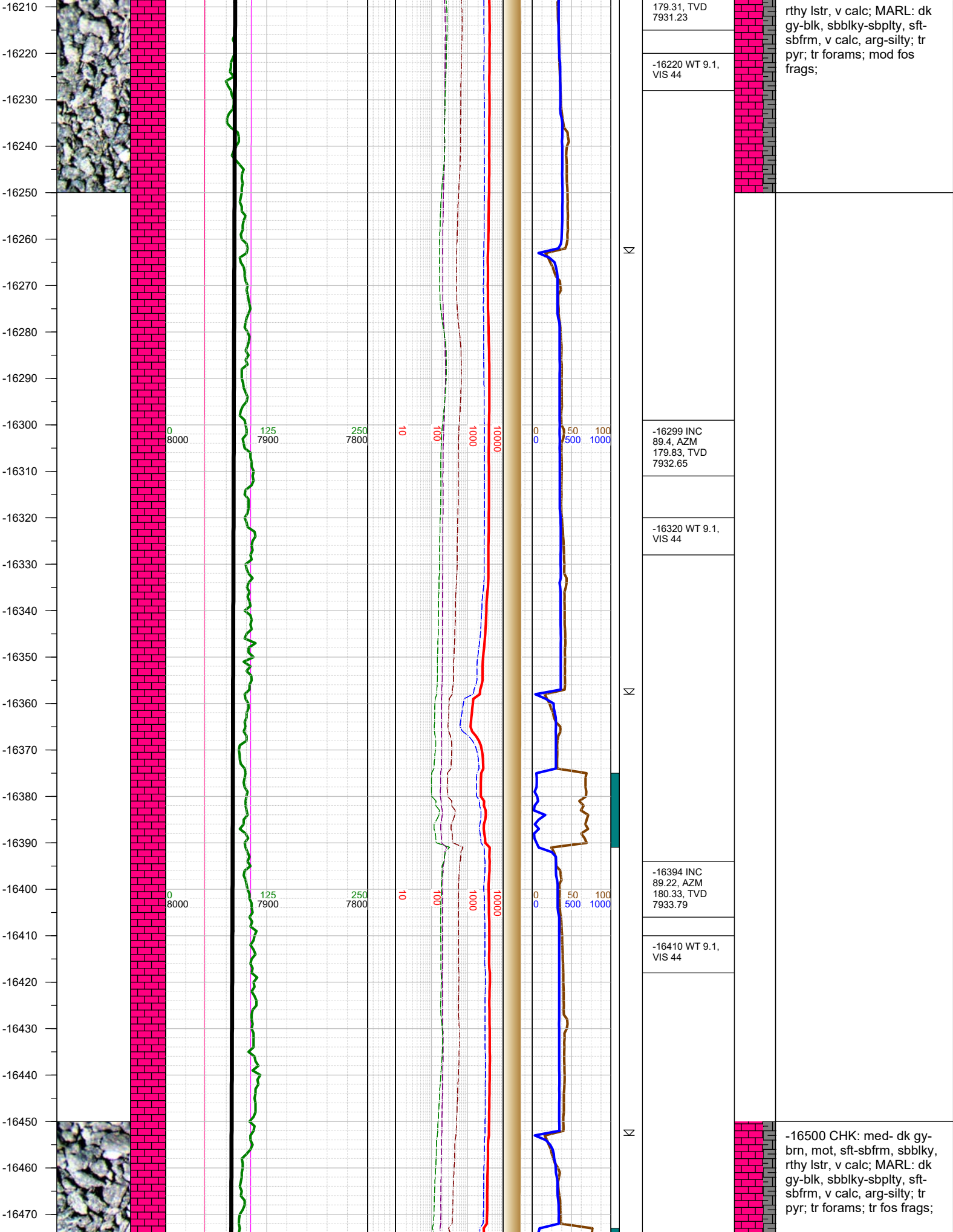
-15250 CHK: med- dk gy-  
brn, mot, sft-sbfrm, sbbiky,  
rthy lstr, v calc; MARL: dk  
gy-blk, sbbiky-sbply, sft-  
sbfrm, v calc, arg-silty; tr  
bent; tr pyr; tr forams; tr fos  
frags;



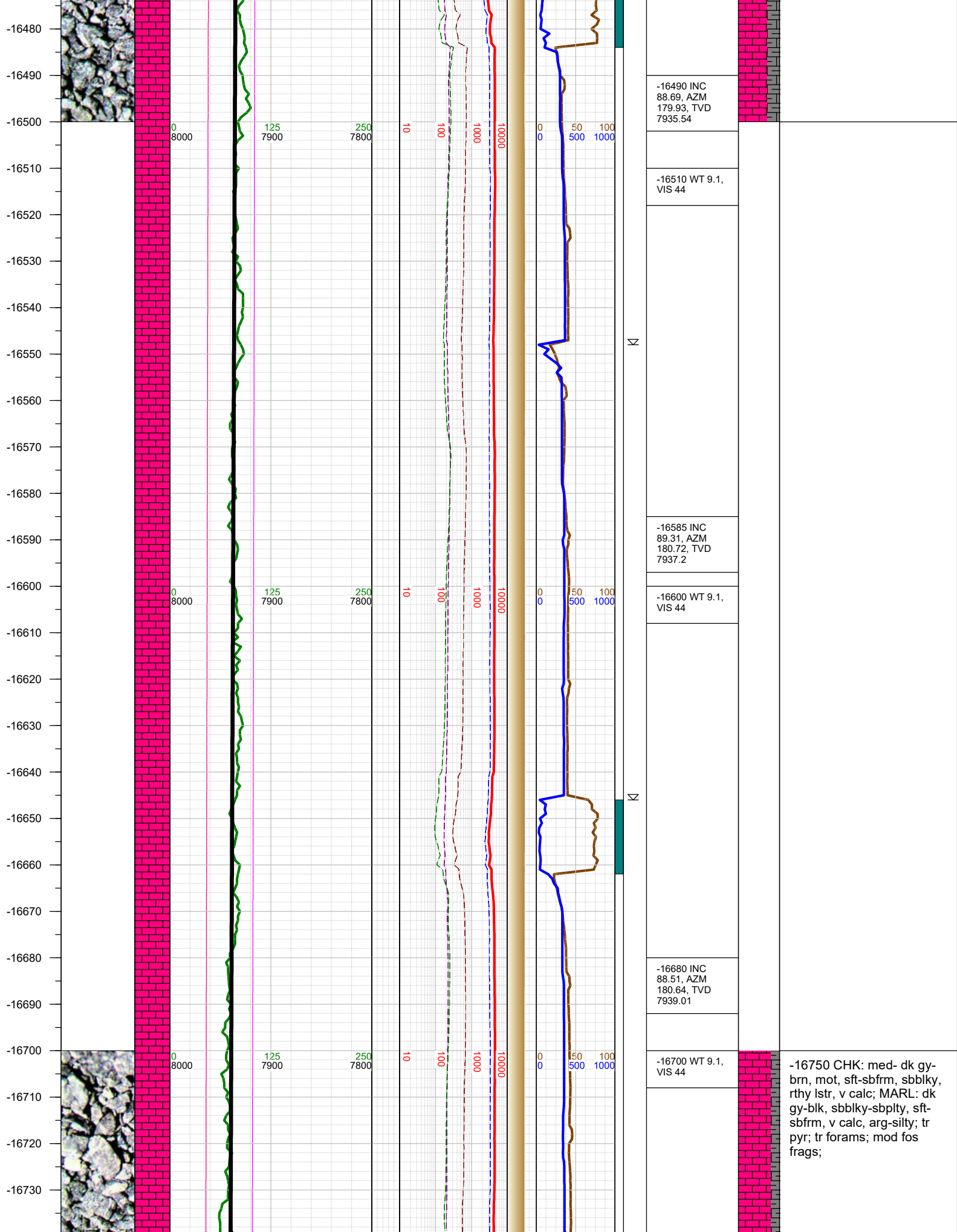


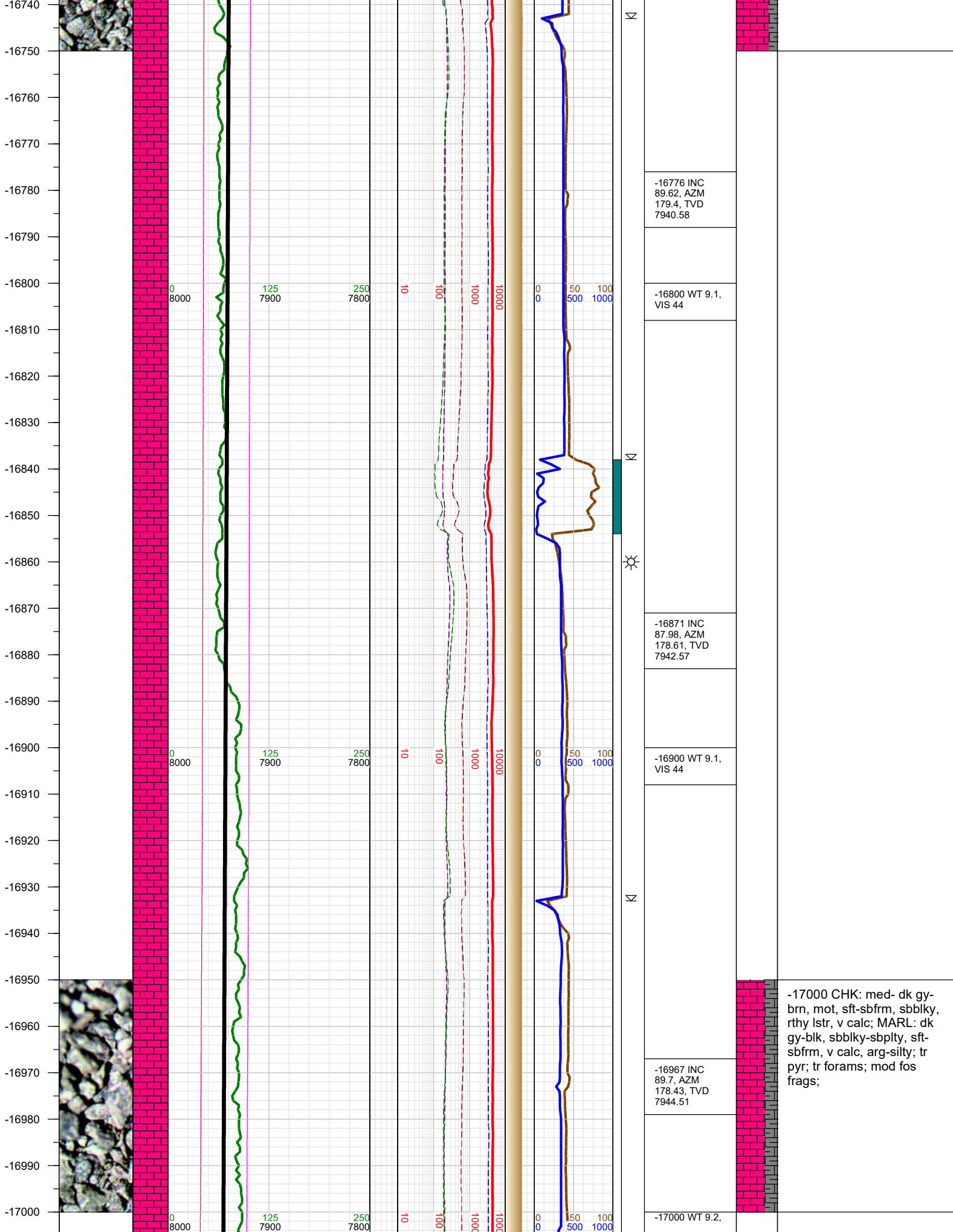


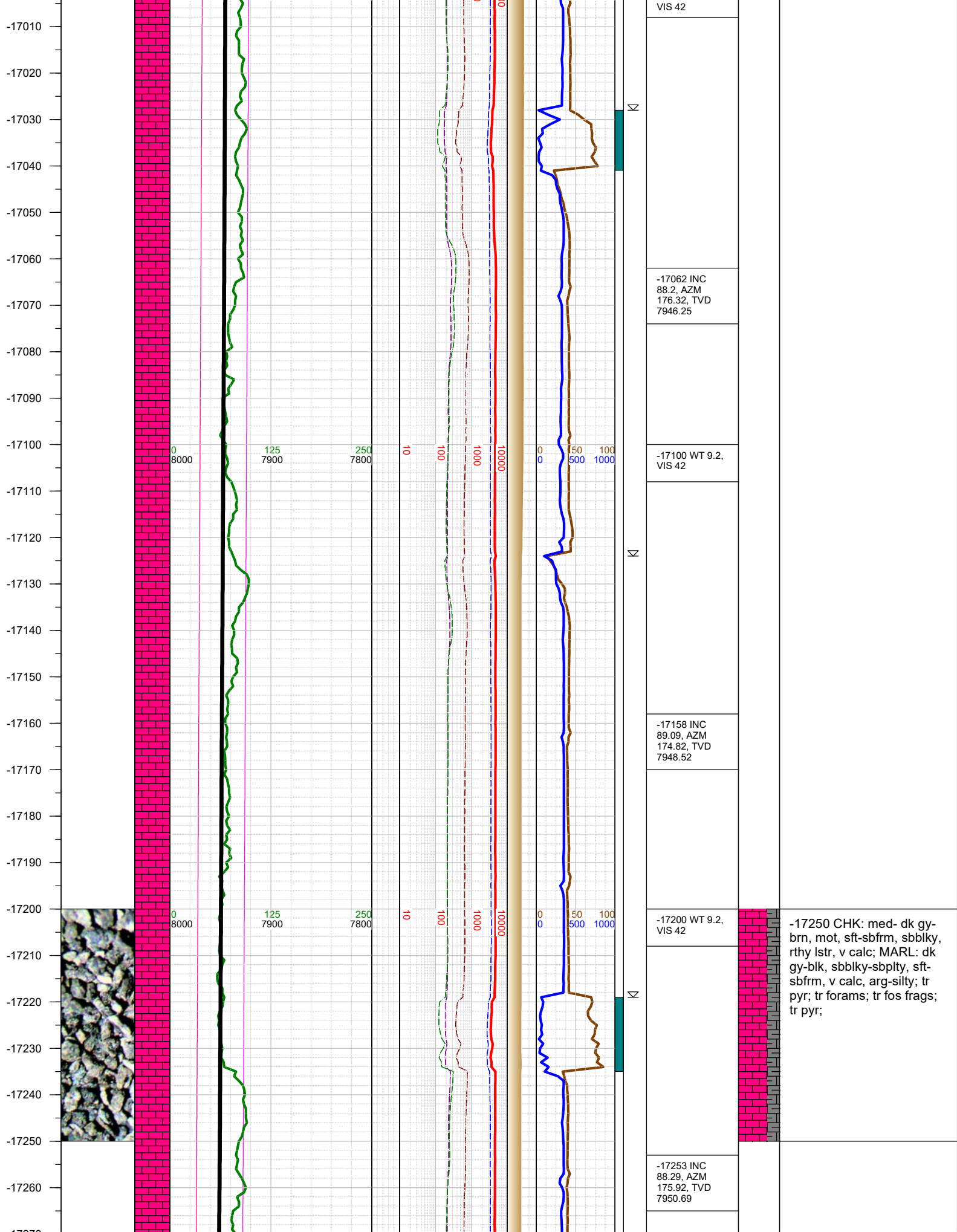






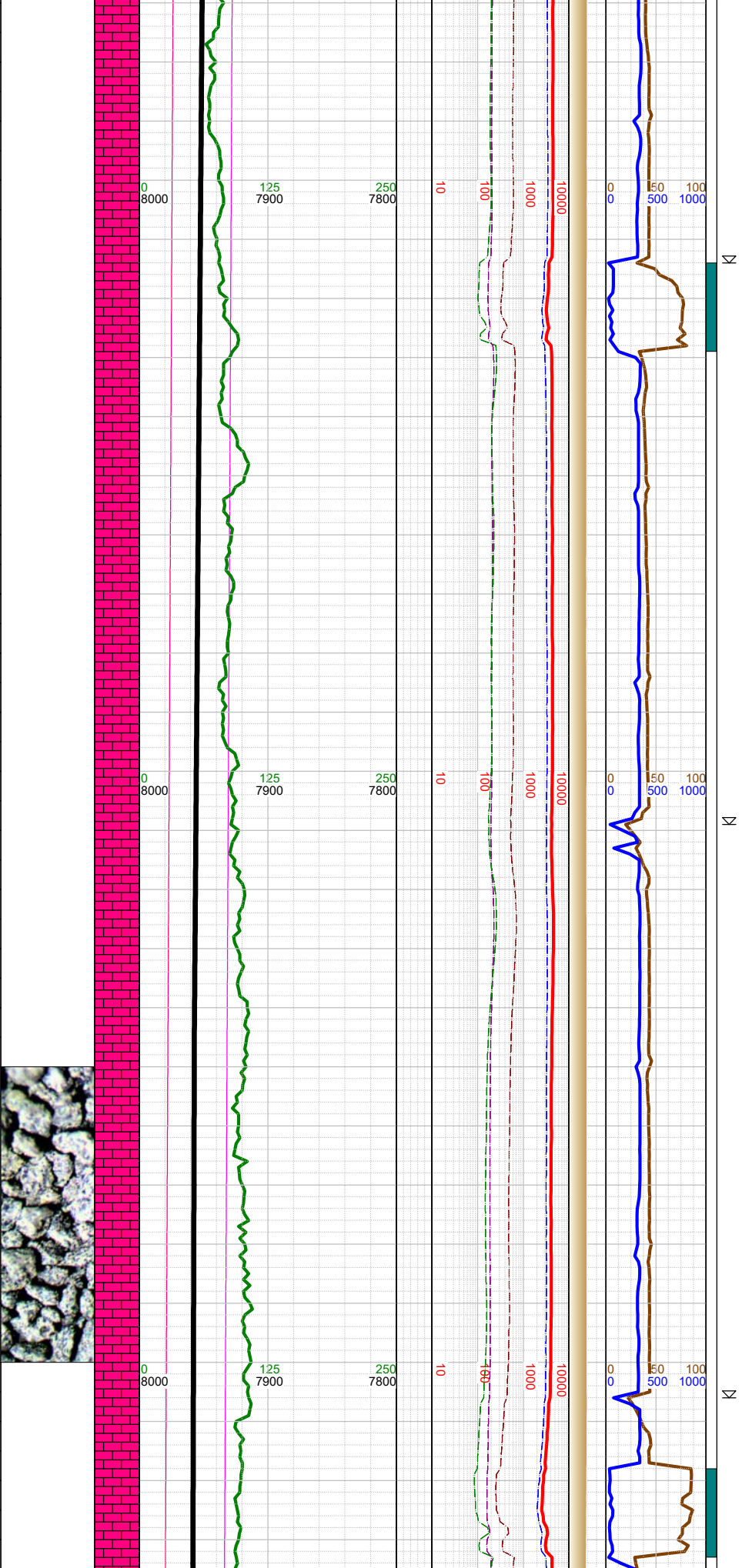








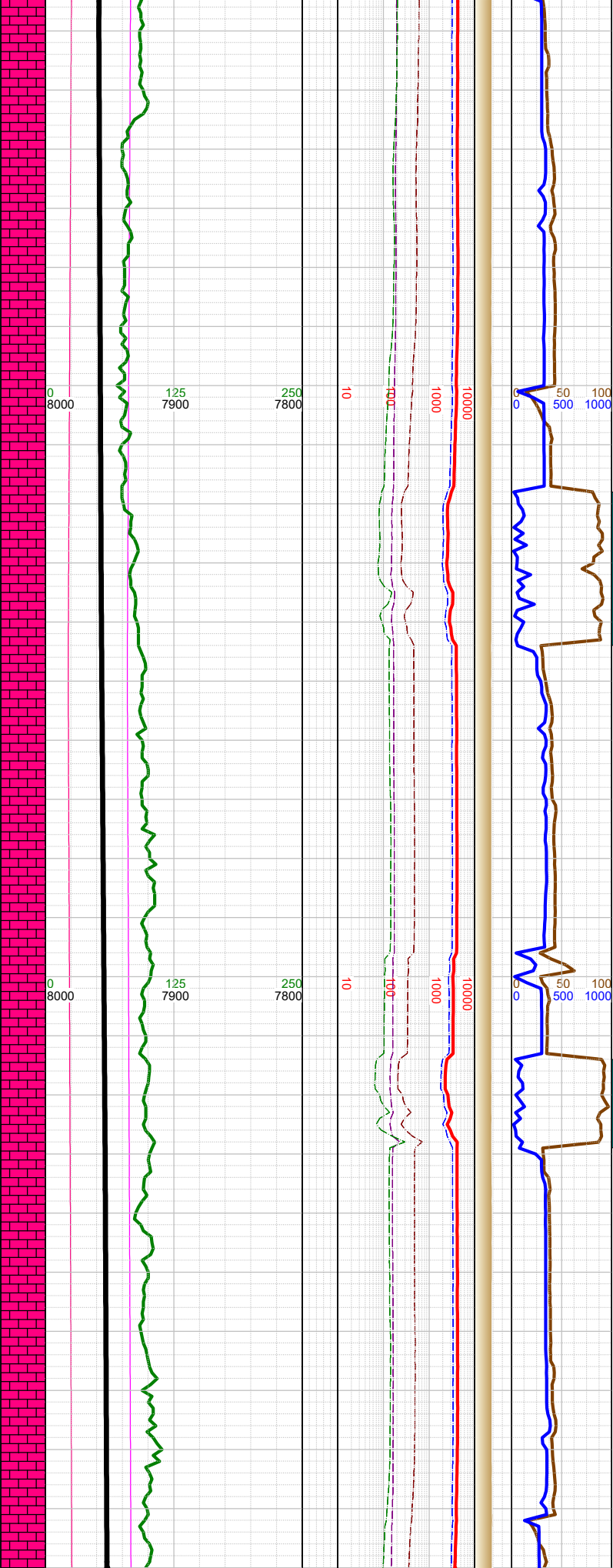
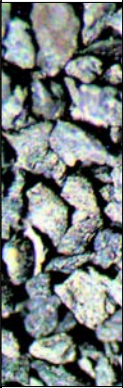
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-17300 WT 9.2, VIS 43
-17349 INC 87.8, AZM 178.61, TVD 7953.97
-17400 WT 9.2, VIS 43
-17444 INC 88.2, AZM 177.9, TVD 7957.28
-17500 WT 9.2, VIS 42

-17500 CHK: dk gy-brn, mot, sft-sbfrm, sbbiky, rthy lstr, v calc; MARL: dk gy-blk, sbbiky-sbplty, sft-sbfrm, v calc, arg-silty; tr pyr; tr forams; tr fos frags;
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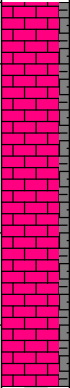
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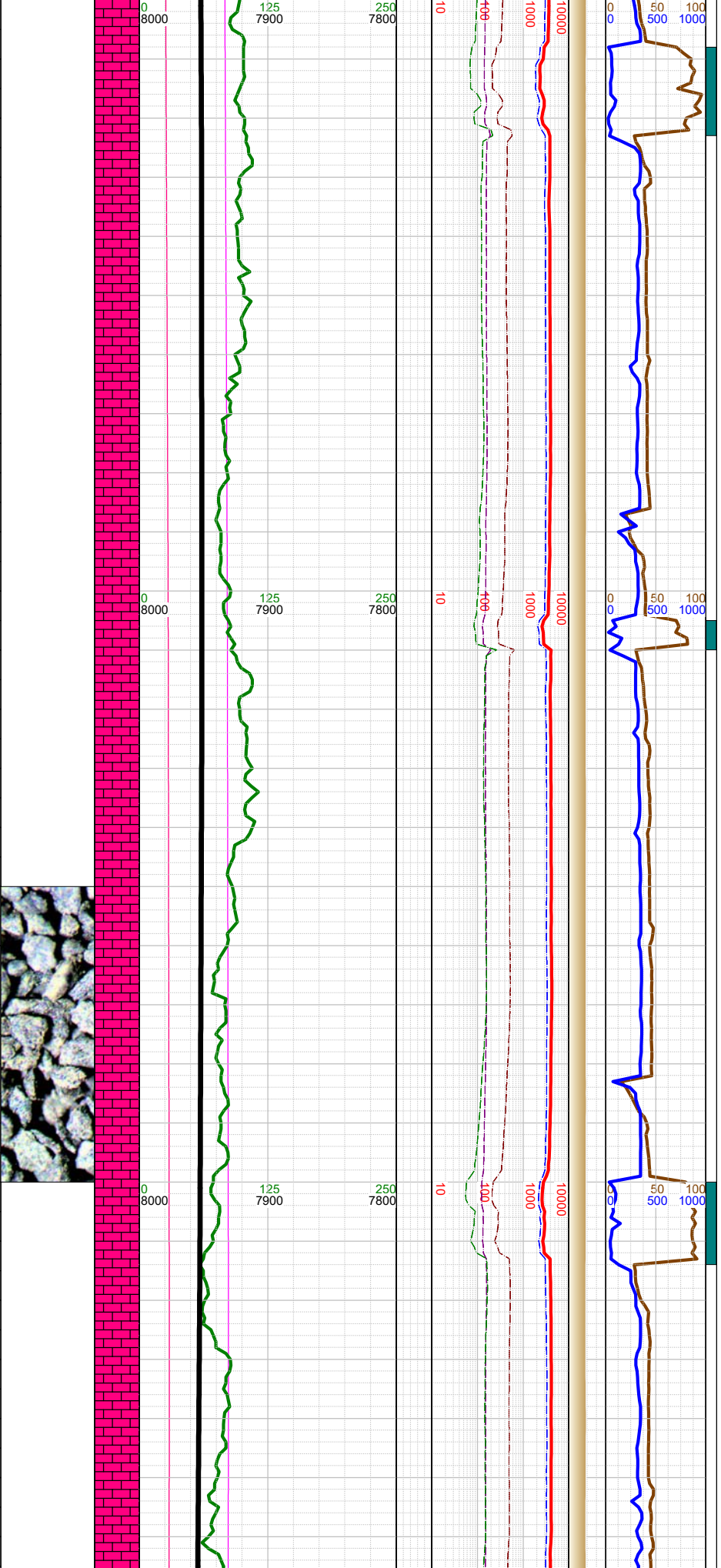
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-17540 INC 90.41, AZM 178.43, TVD 7958.45	
-17600 WT 9.2, VIS 42	
-17635 INC 91.78, AZM 181.83, TVD 7956.63	
-17642 0000 hrs on 2/15/2018	
-17700 WT 9.2, VIS 42	
-17730 INC 91.91, AZM 184.12, TVD 7953.57	



-17750 CHK: med gy-gy-brn, mot, sft-sbfrm, sbblky, rthy lstr, v calc; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, arg-silty; tr pyr; mod forams; tr fos frags;

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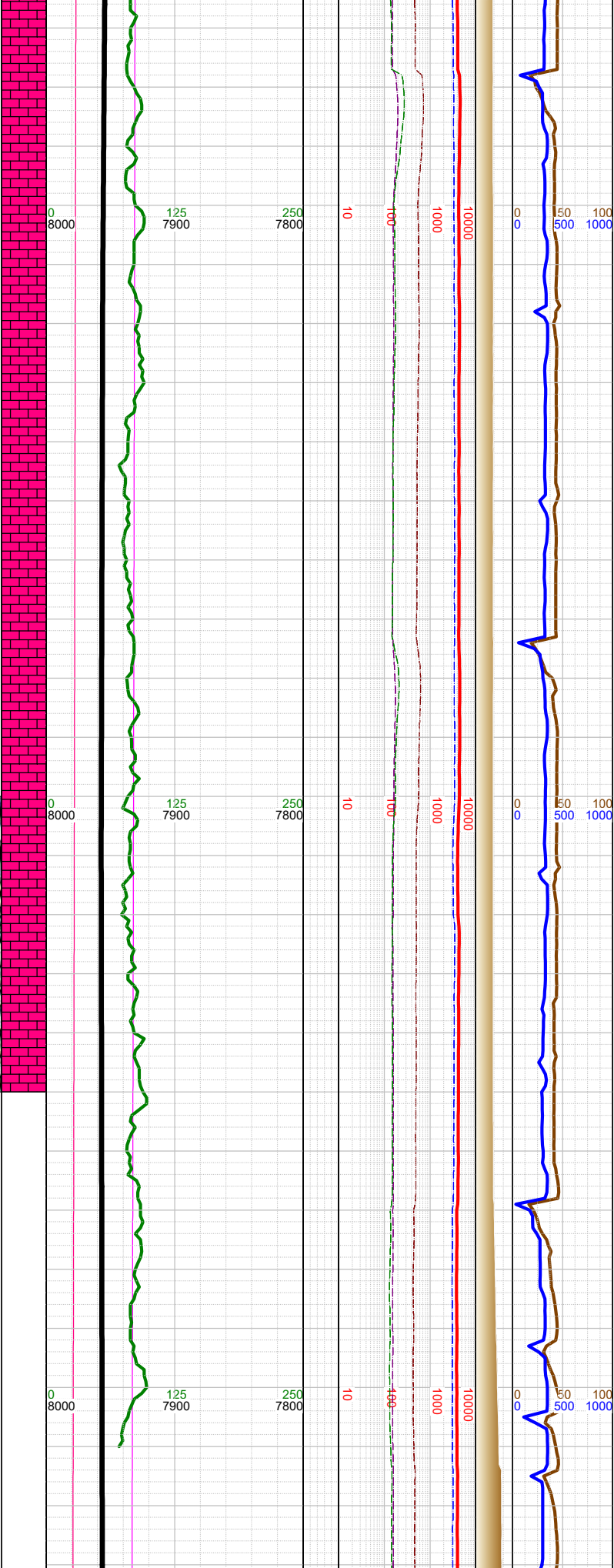
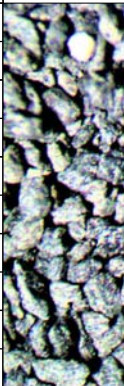


-17800 WT 9.2, VIS 42
-17826 INC 90.41, AZM 183.5, TVD 7951.63
-17900 WT 9.2, VIS 43
-17921 INC 89.88, AZM 183.01, TVD 7951.39
-18000 WT 9.2, VIS 43
-18017 INC 88.2, AZM 181.83, TVD 7953

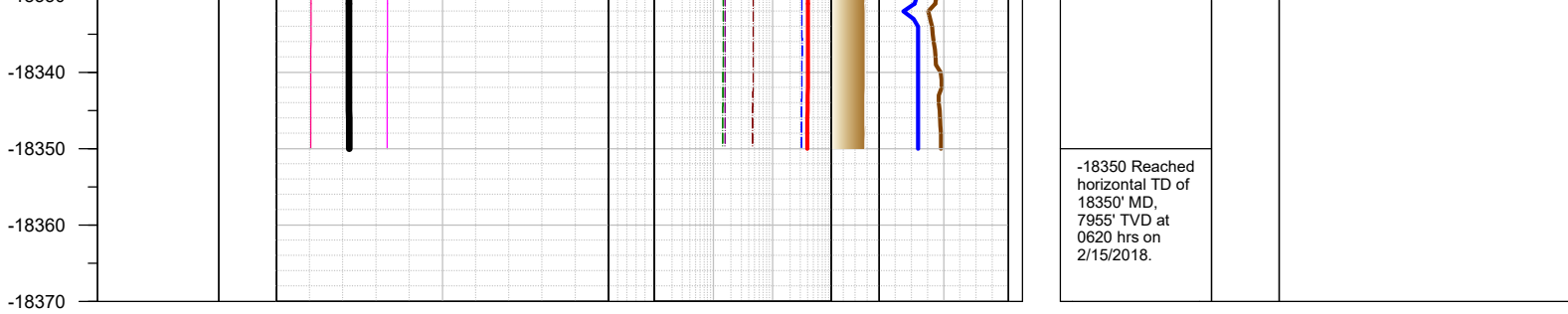
-18000 CHK: med gy-gy-brn, mot, sft-sbfrm, sbbiky, rthy lstr, v calc; MARL: dk gy-blk, sbbiky-sbply, sft-sbfrm, v calc, arg-silty; tr pyr; mod forams; tr fos frags;



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-18260  
-18270  
-18280  
-18290  
-18300  
-18310  
-18320  
-18330



N	-18100 WT 9.2, VIS 43		
	-18112 INC 88.11, AZM 182.13, TVD 7956.06		
N	-18200 WT 9.2, VIS 43	-18250 CHK: med gy-gy- brn, mot, sft-sbfrm, sbblky, rthy lstr, v calc; MARL: dk gy-blk, sbblky-sbplty, sft- sbfrm, v calc, arg-silty; tr pyr; mod forams; tr fos frags;	
	-18208 INC 90.41, AZM 180.11, TVD 7957.3		
N	-18300 WT 9.2, VIS 43		



TOTAL DEPTH = 18350'

Thank you for using Earth Science Agency