

OPERATOR: **Extraction Oil & Gas**

WELL NAME: **TC Moiser Hill 2-9-11**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Patterson 341

API #: 05-123-43748

LAT/LONG: 40.41473, -104.79869

SURFACE HOLE: SENE S8-T5N-R66W, 2430' FNL, 1195' FEL

BOTTOM HOLE: S11-T5N-R66W, 233' FNL, 2478' FWL

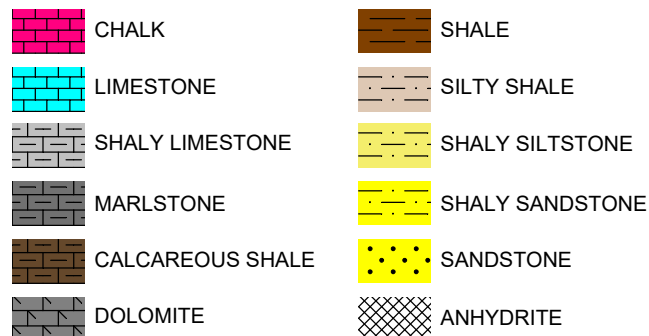


Earth Science Agency, LLC

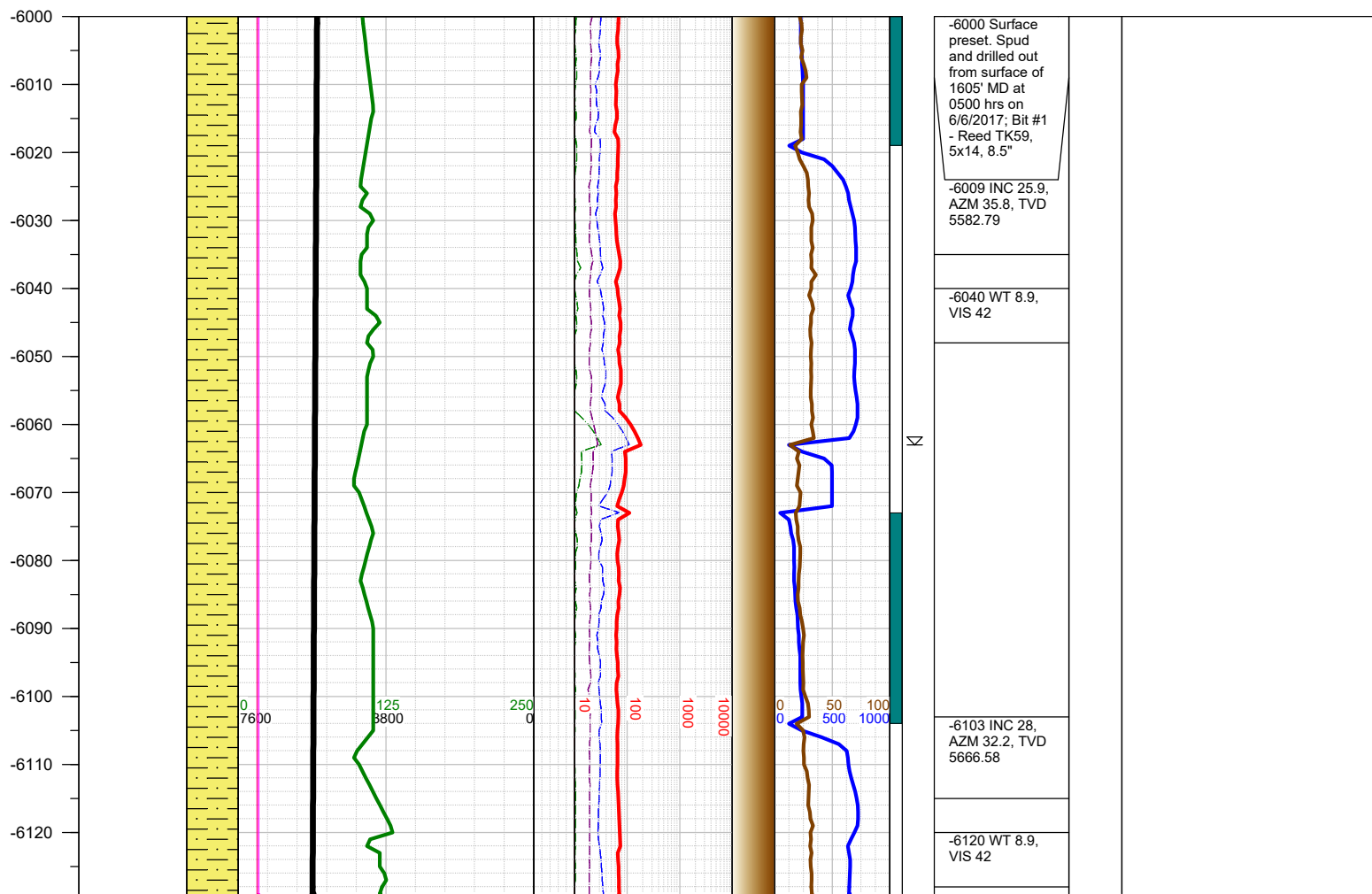
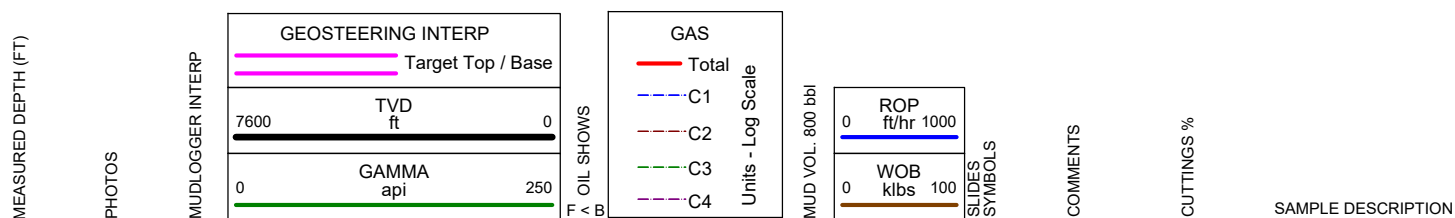
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 4787'
KELLY BUSHING: 4812'
DRILLING FLUID: OBM
TVD VS. MD: 7027' / 20526'
SPUD DATE: June 6, 2017
TD DATE: June 10, 2017

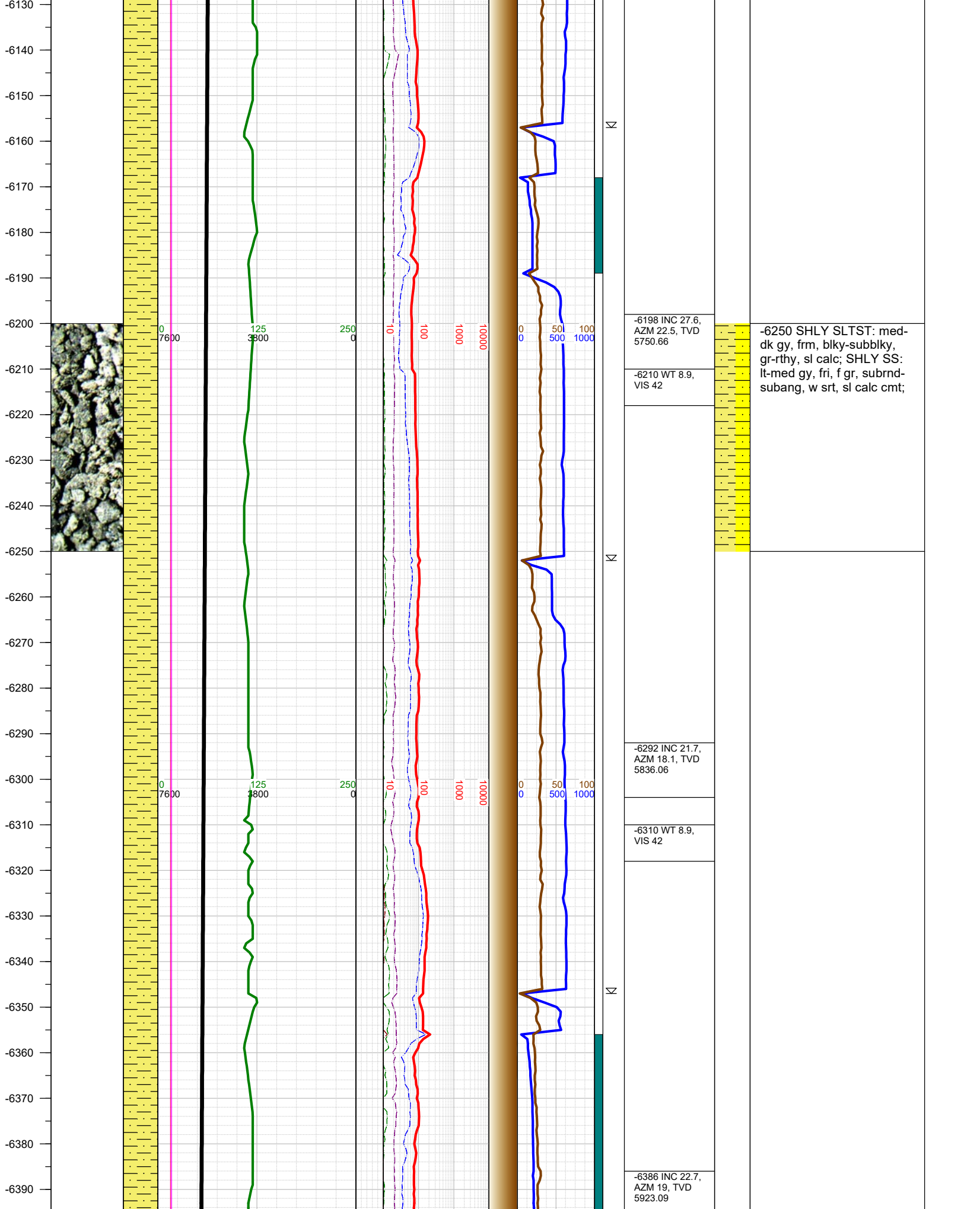
DEPTHS LOGGED: 6000' - 20526'
DATES LOGGED: June 6, 2017 - June 10, 2017
GEOLOGISTS: Blake Eatherton, Dan Jacobs
SCALE: 5" = 100'

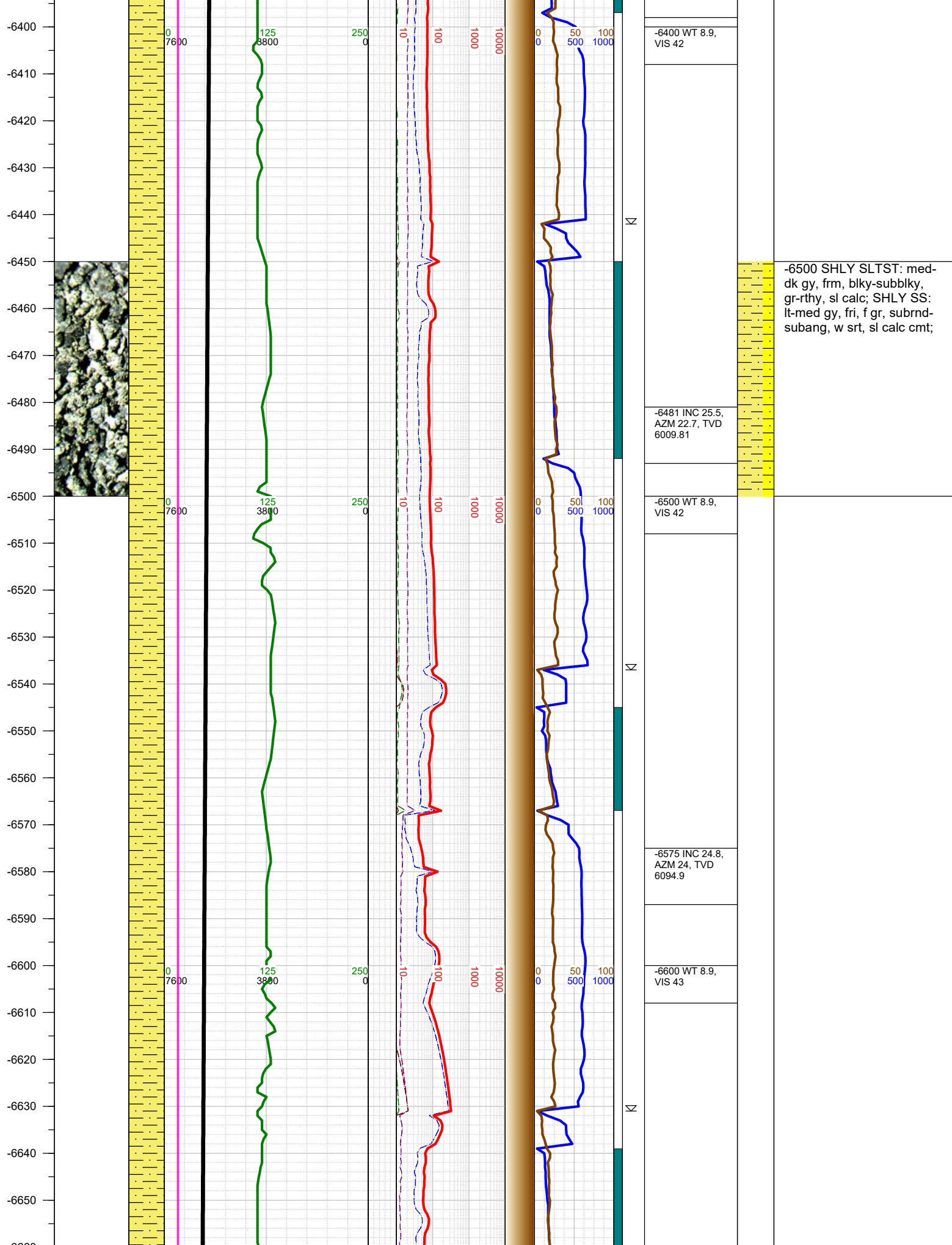
LEGEND

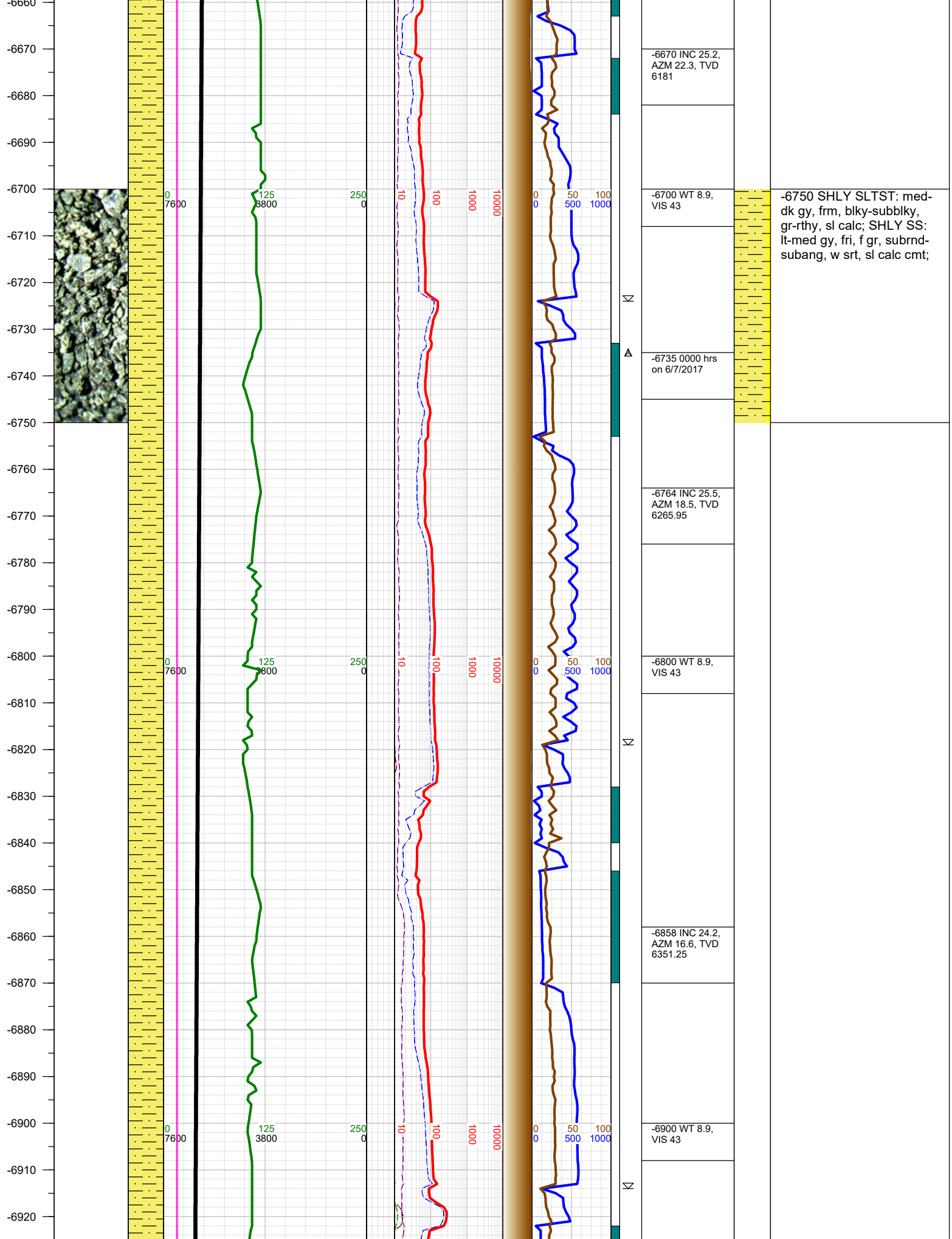


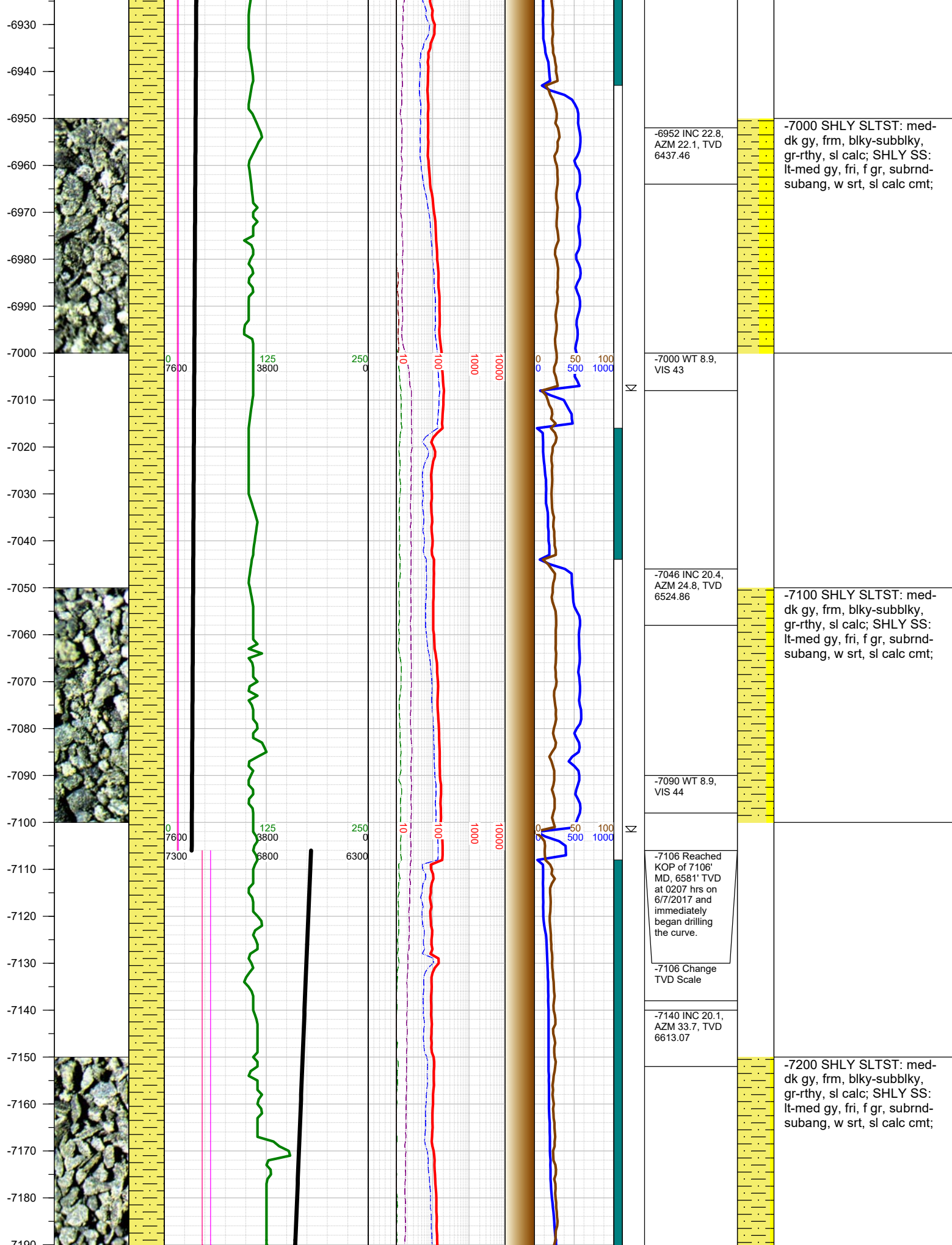
FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

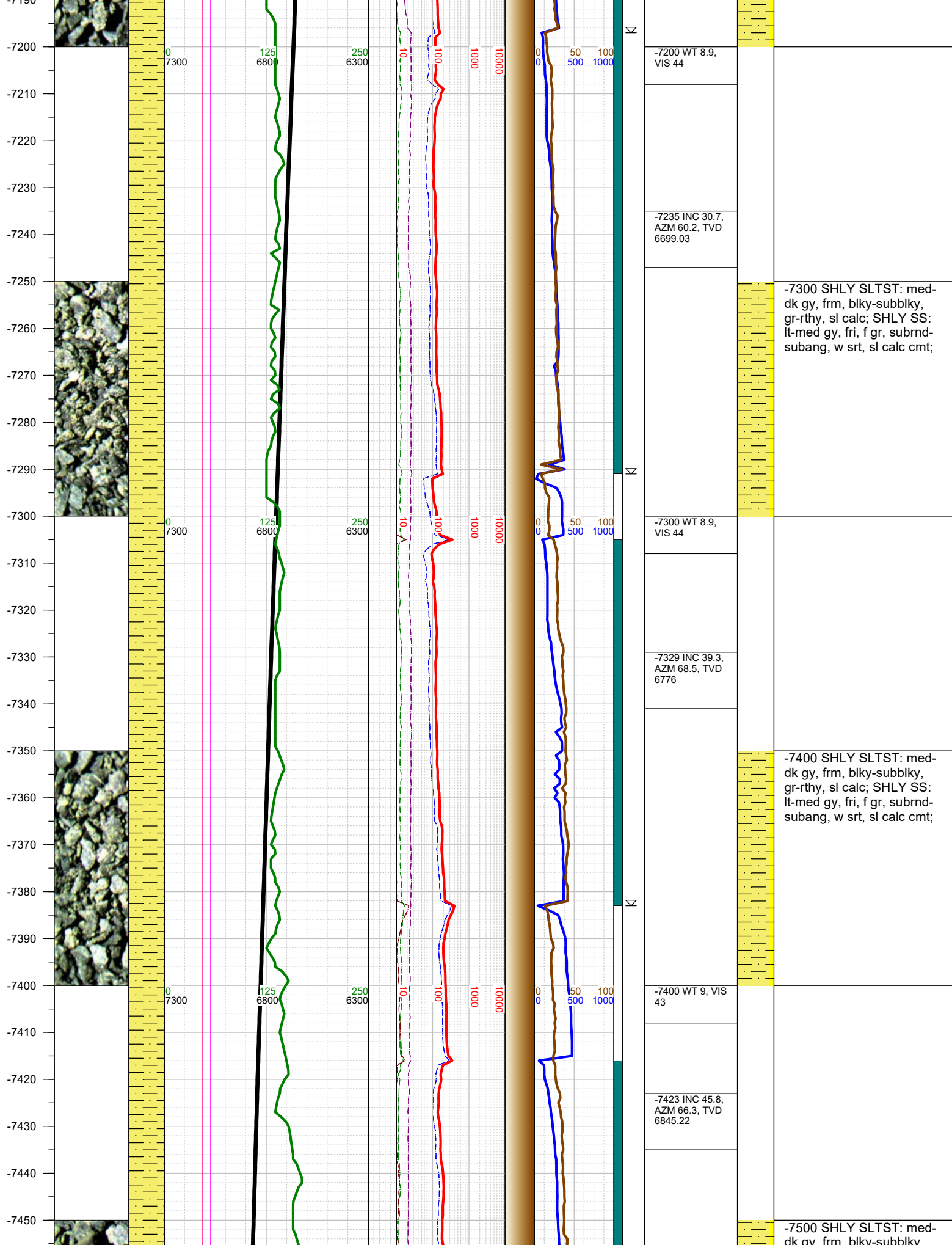


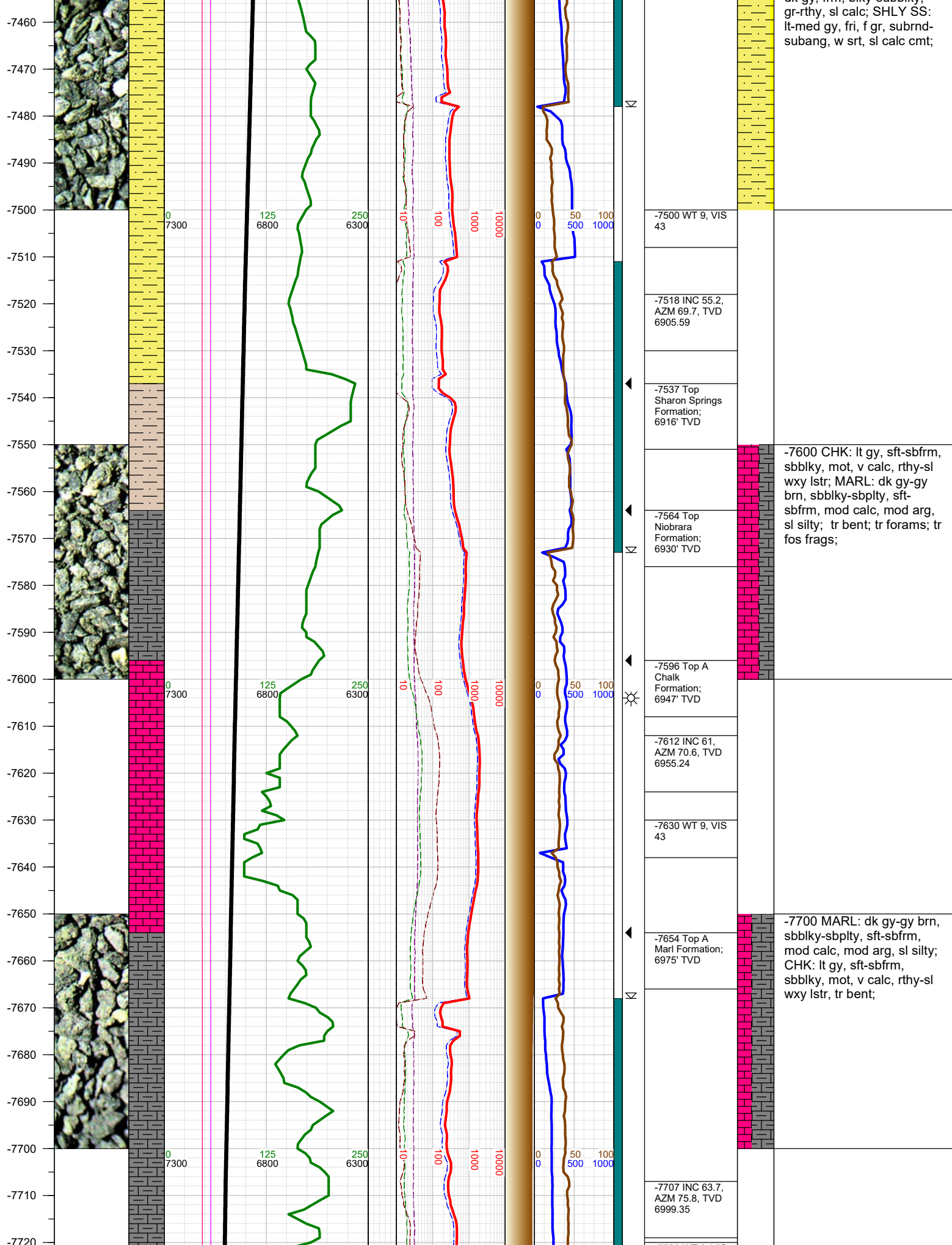


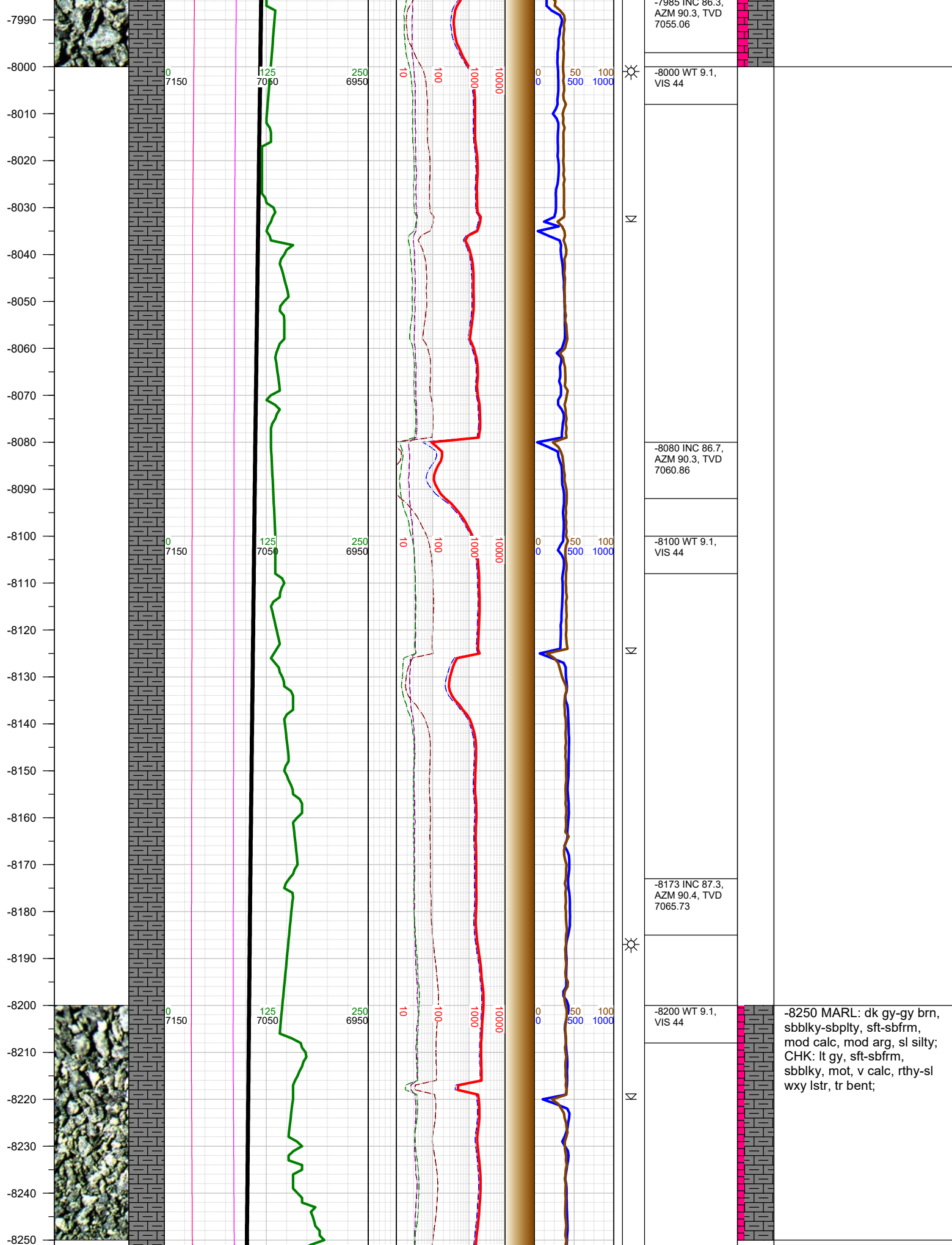


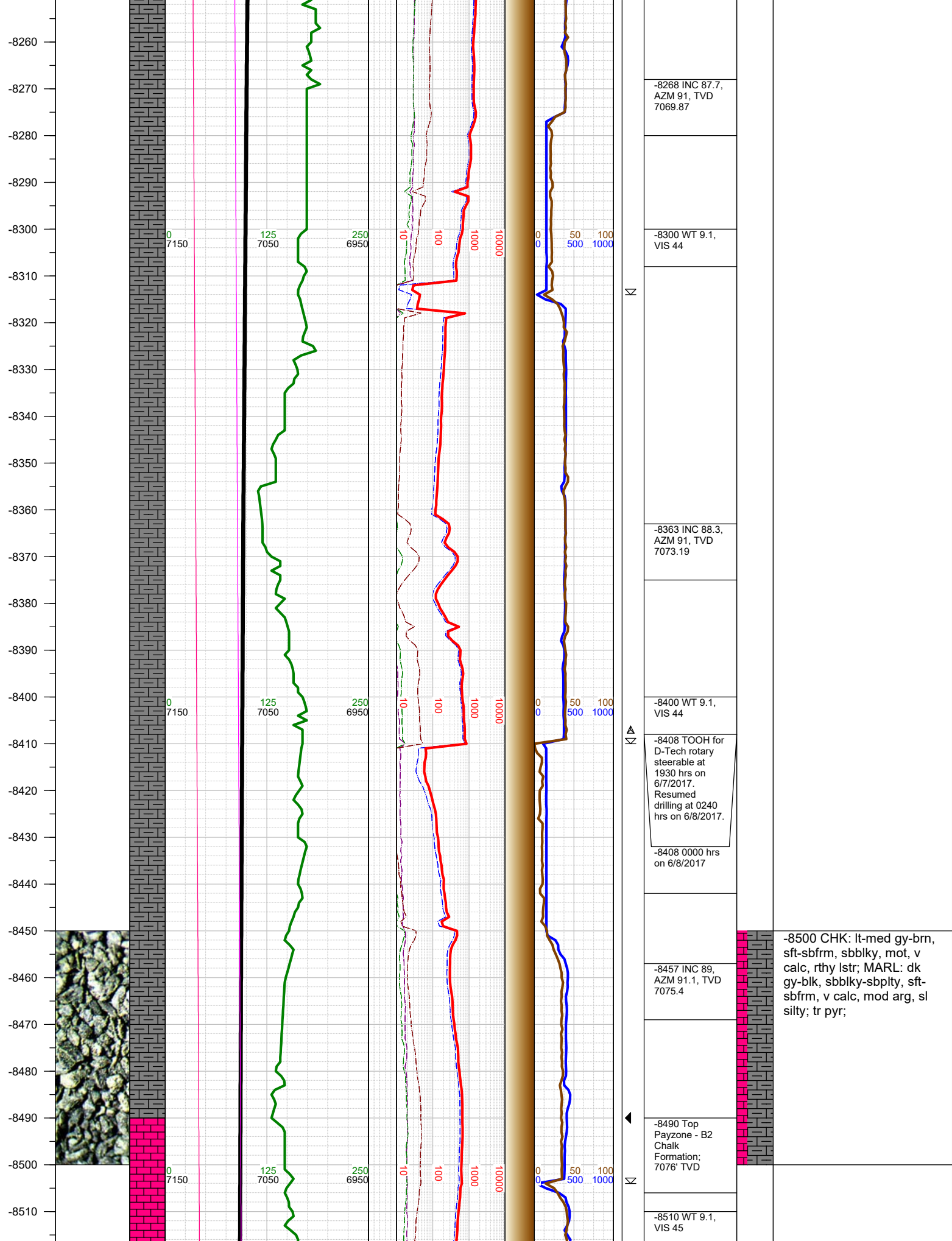


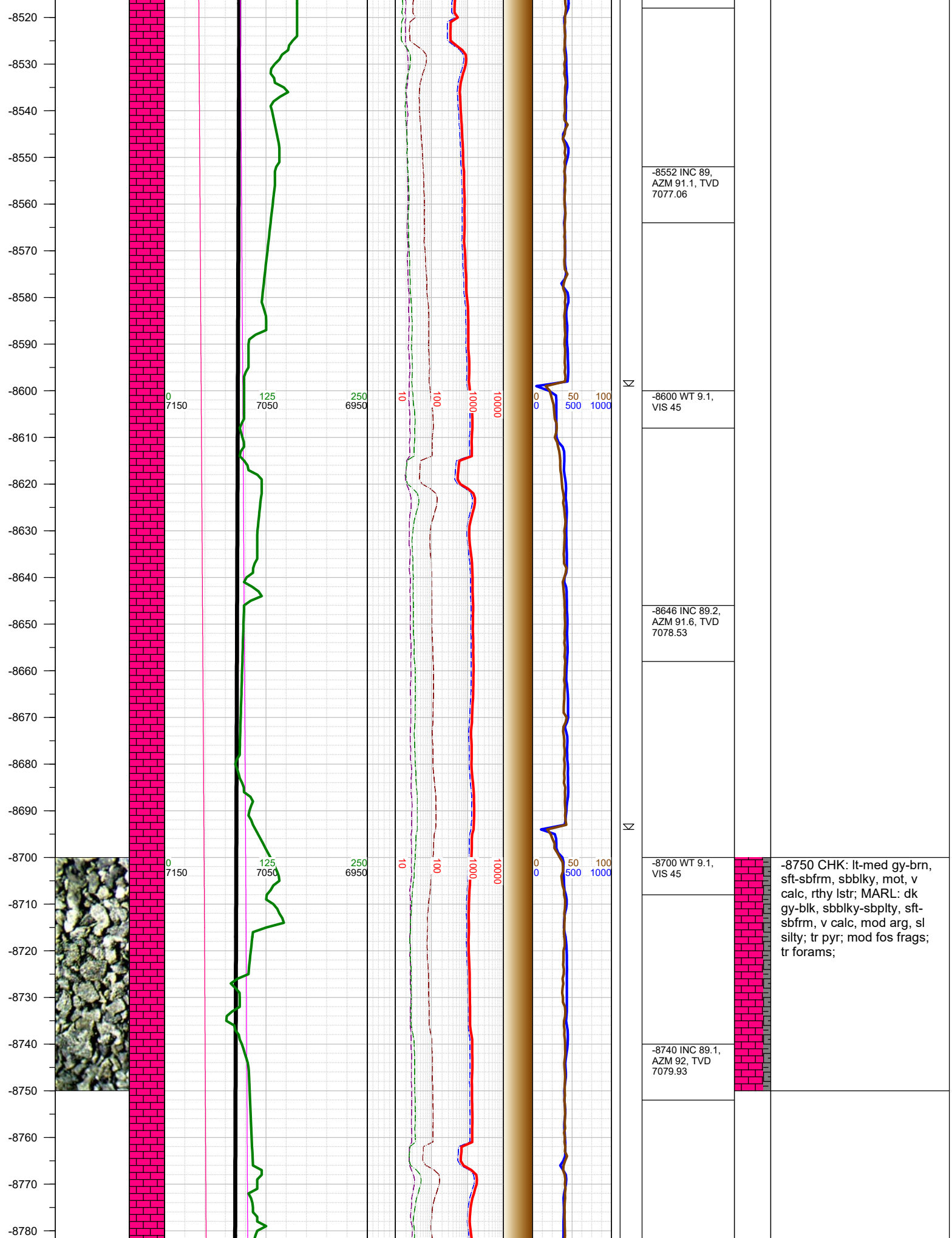


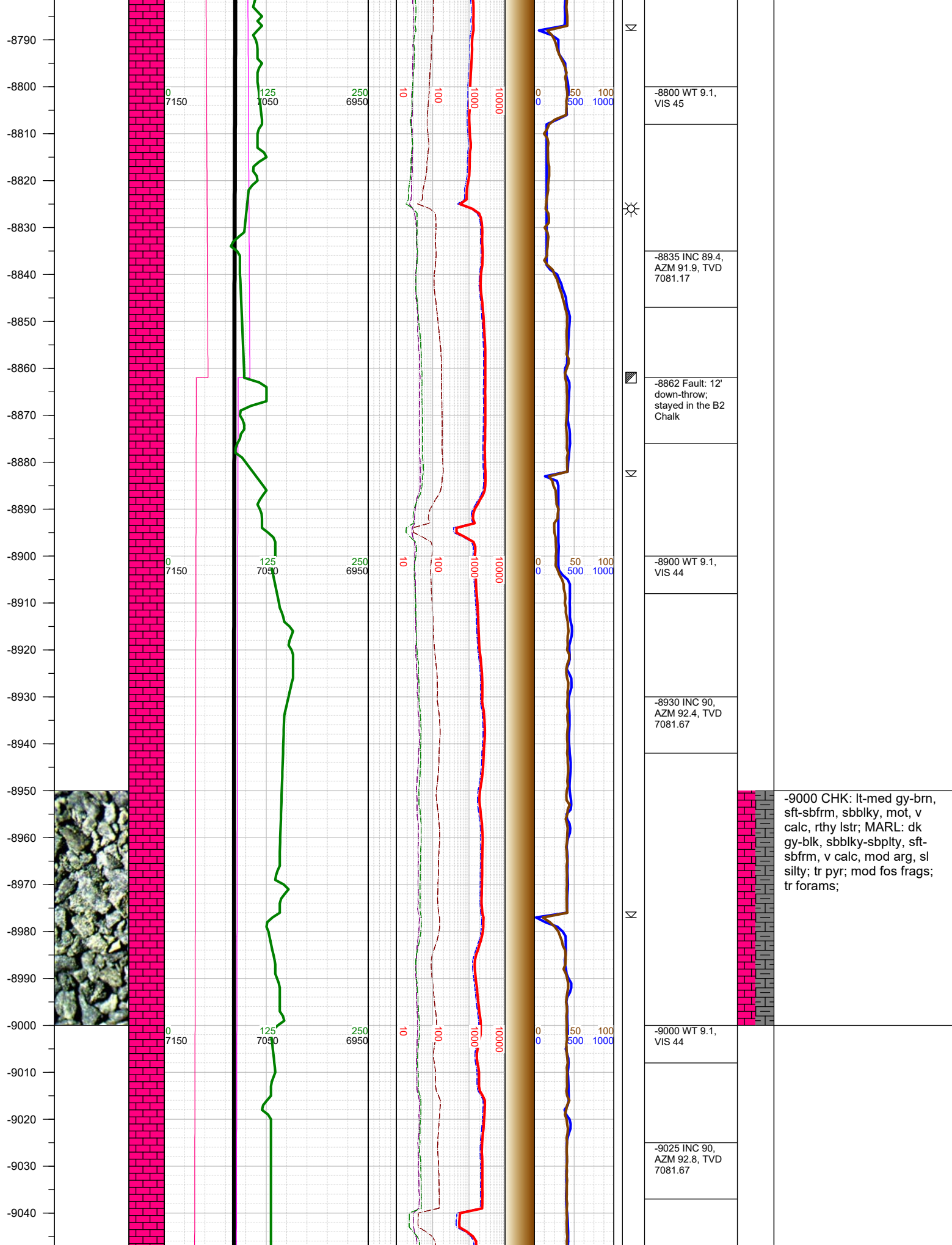


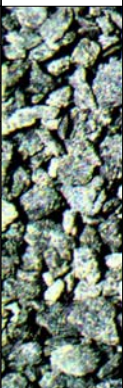
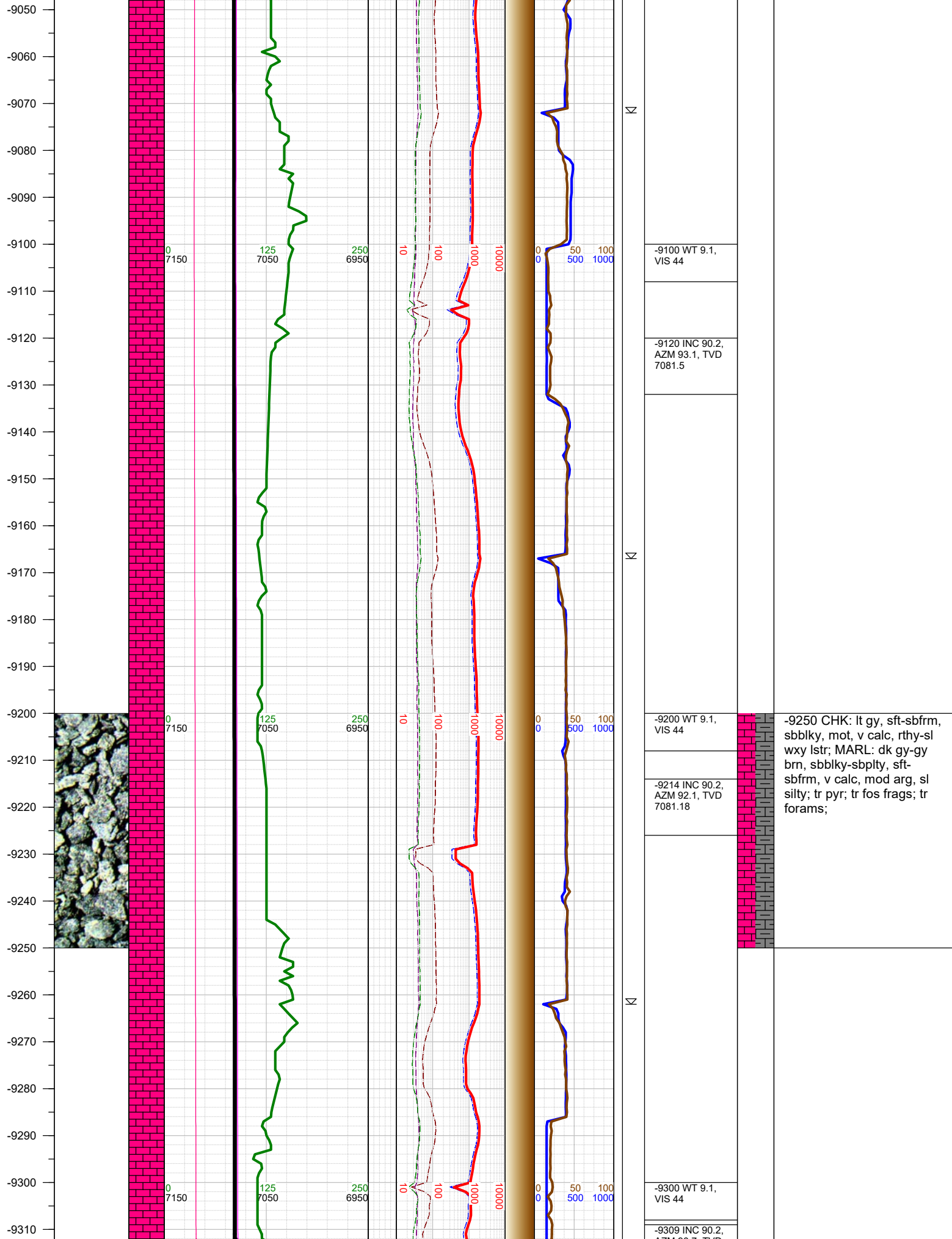




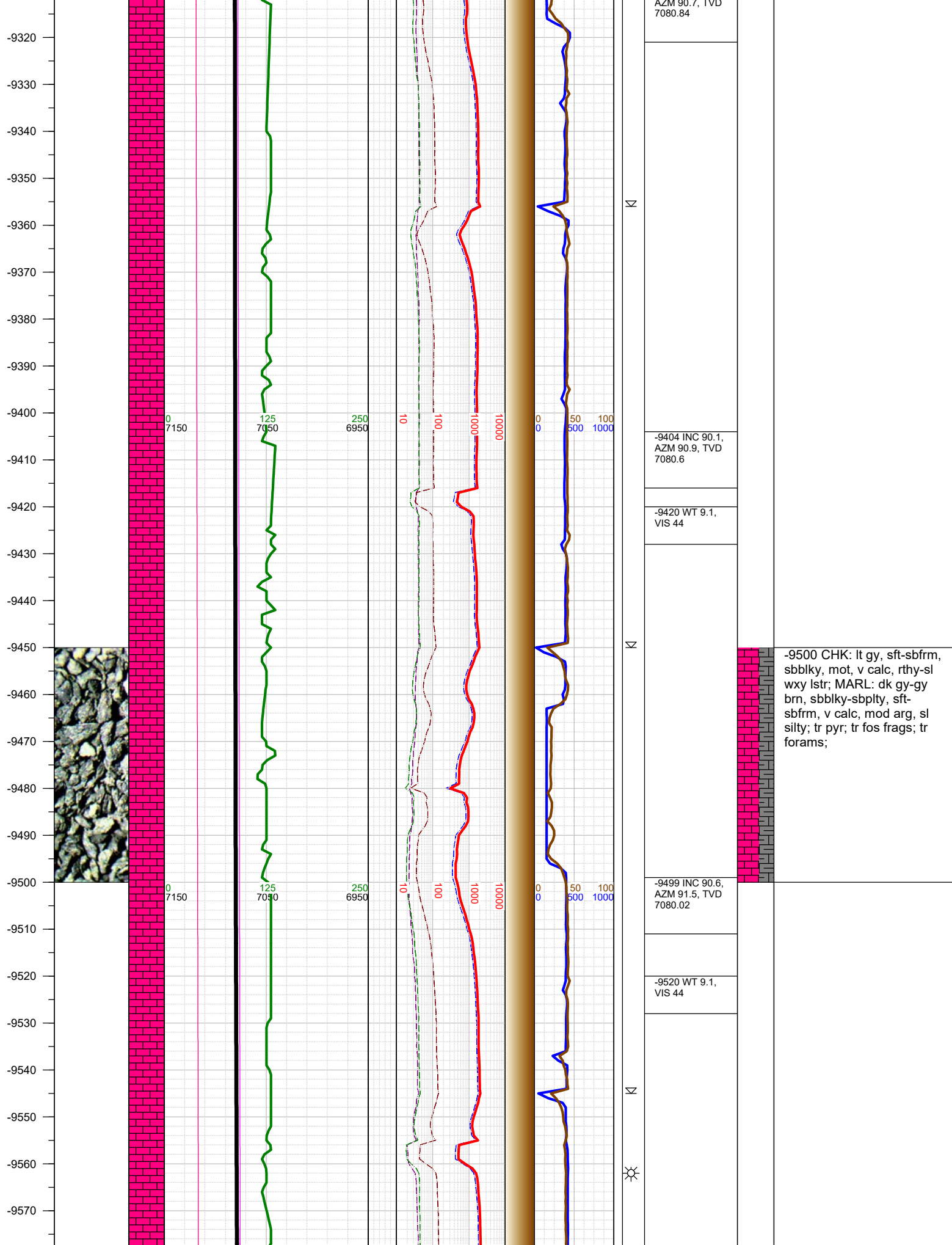


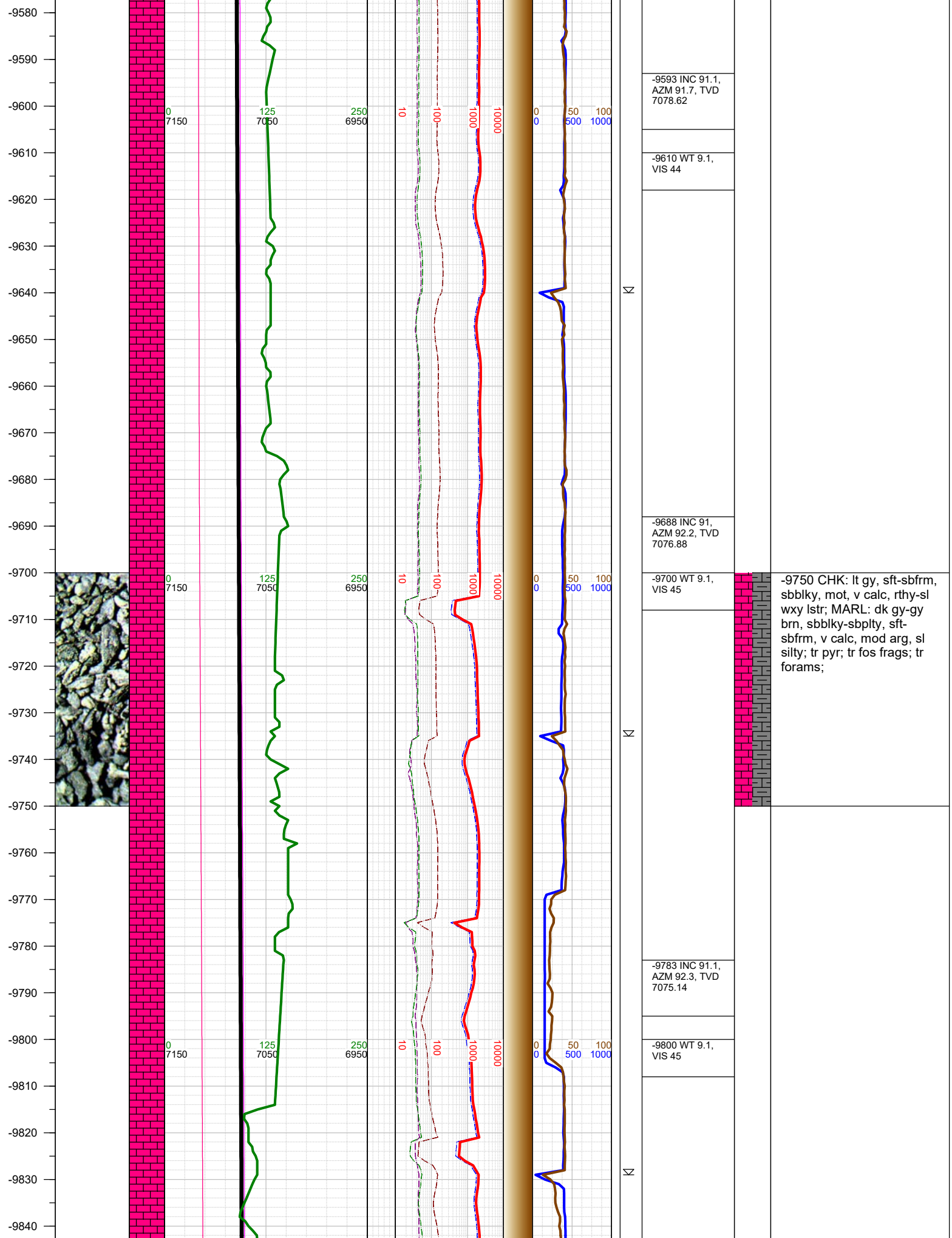


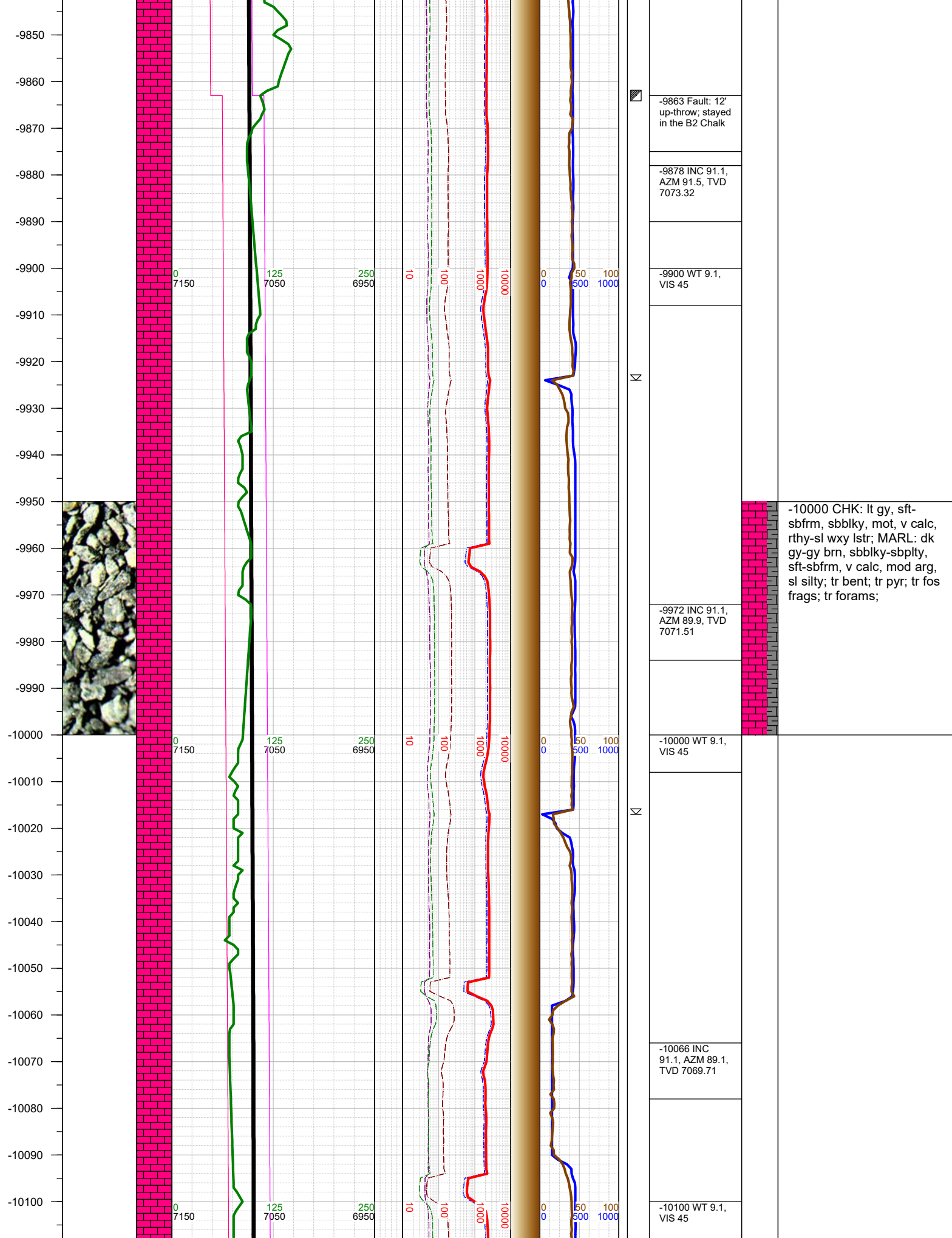


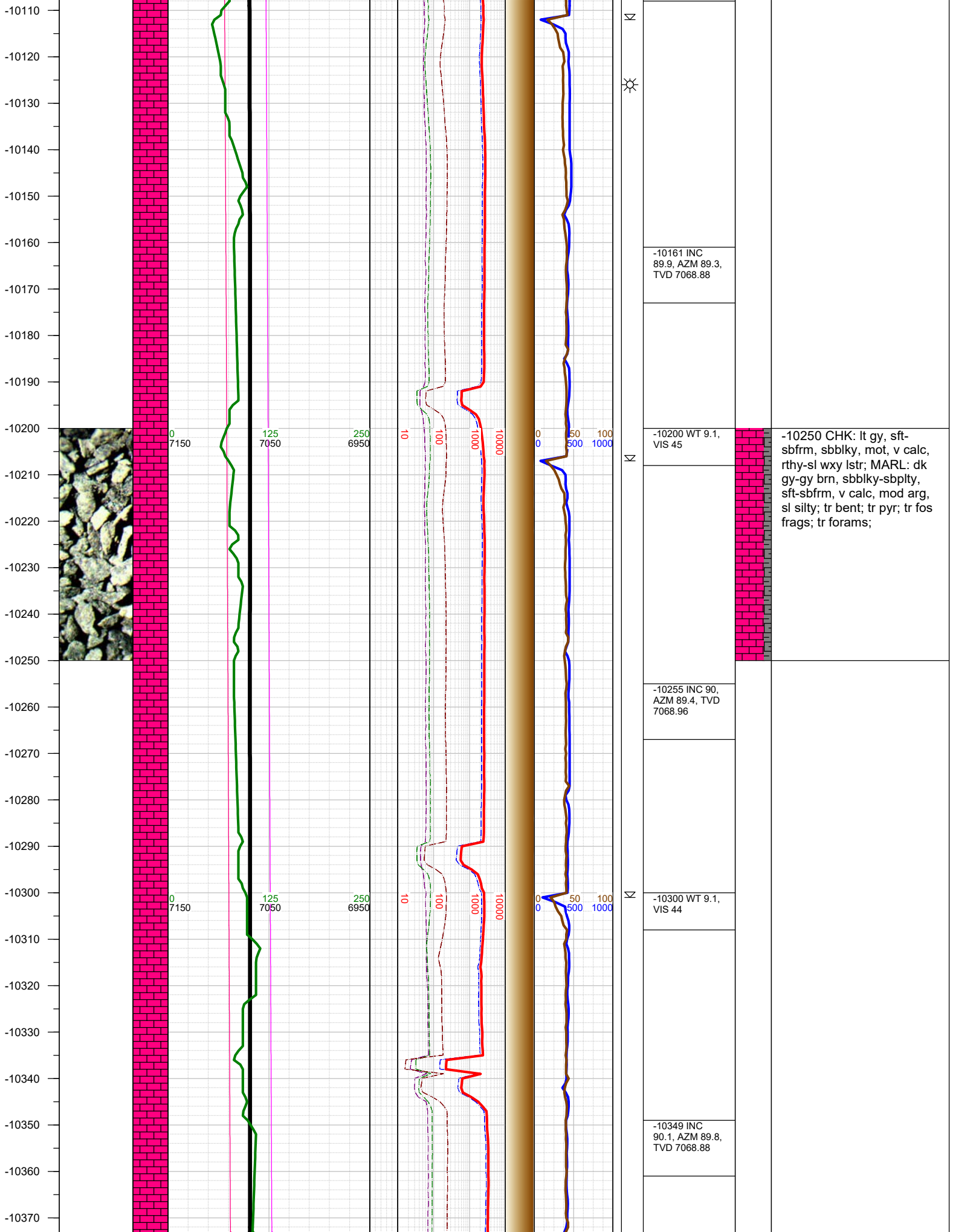


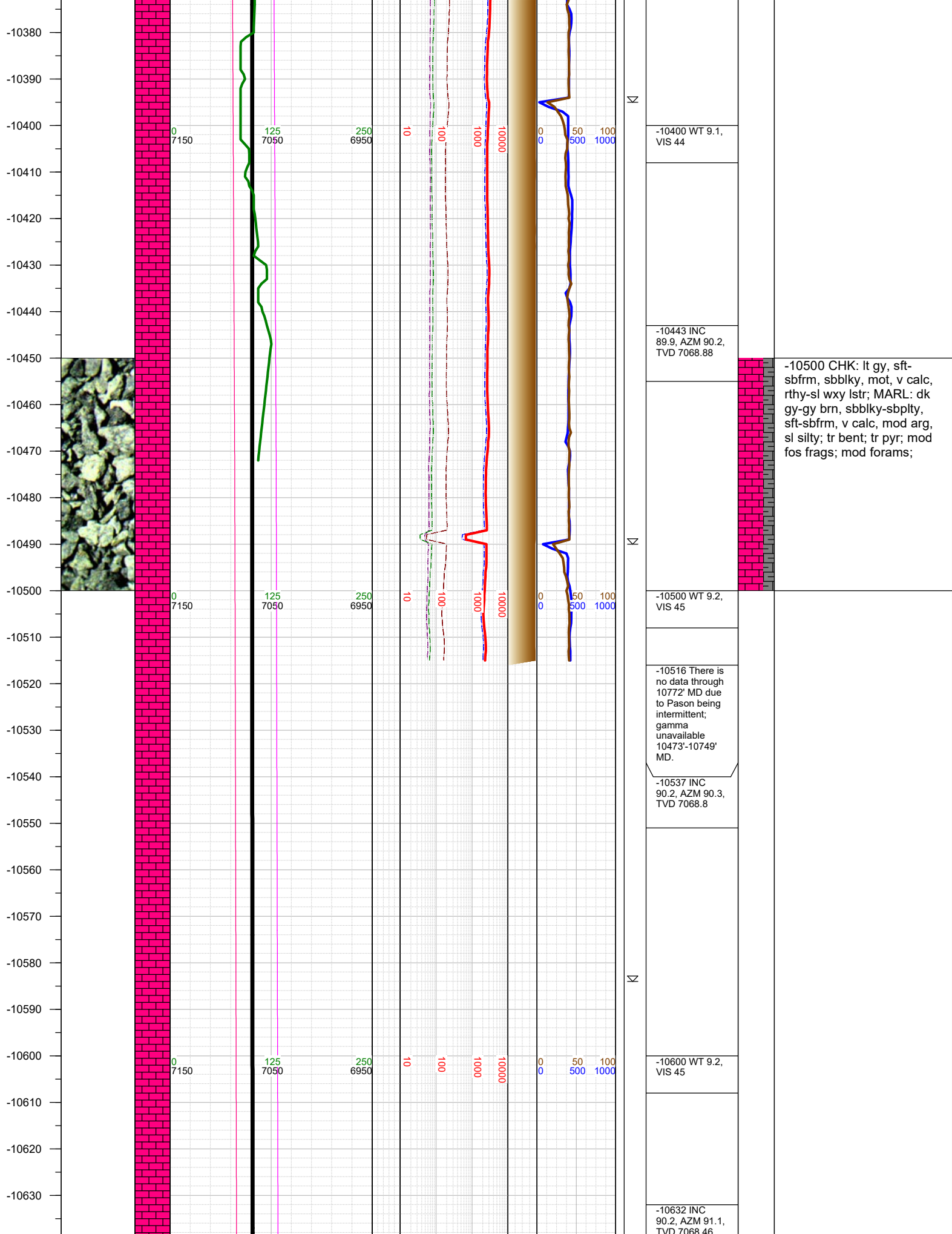
-9250 CHK: lt gy, sft-sbfrm, sbblky, mot, v calc, rthy-sl wxy lstr; MARL: dk gy-gy brn, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr pyr; tr fos frags; tr forams;

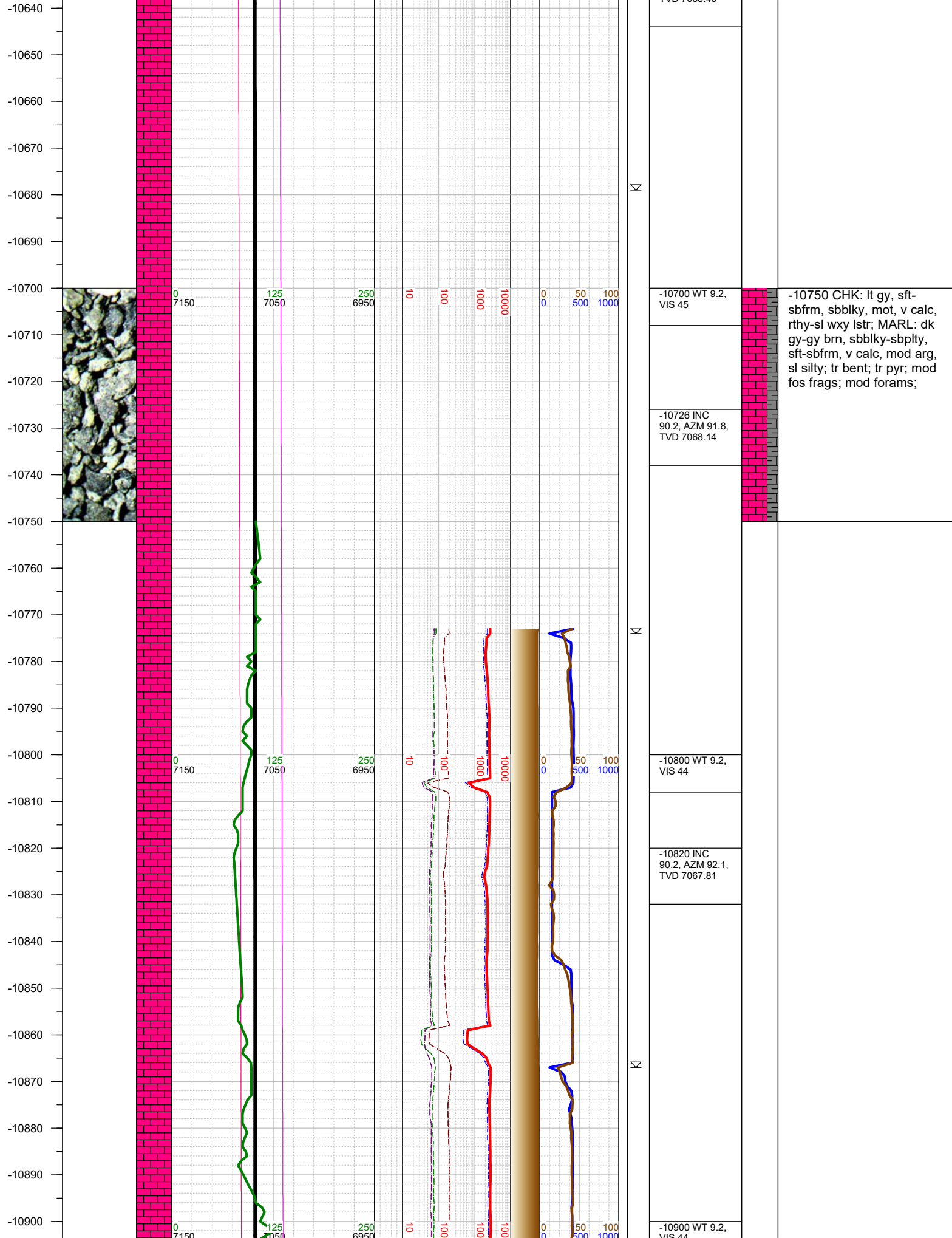












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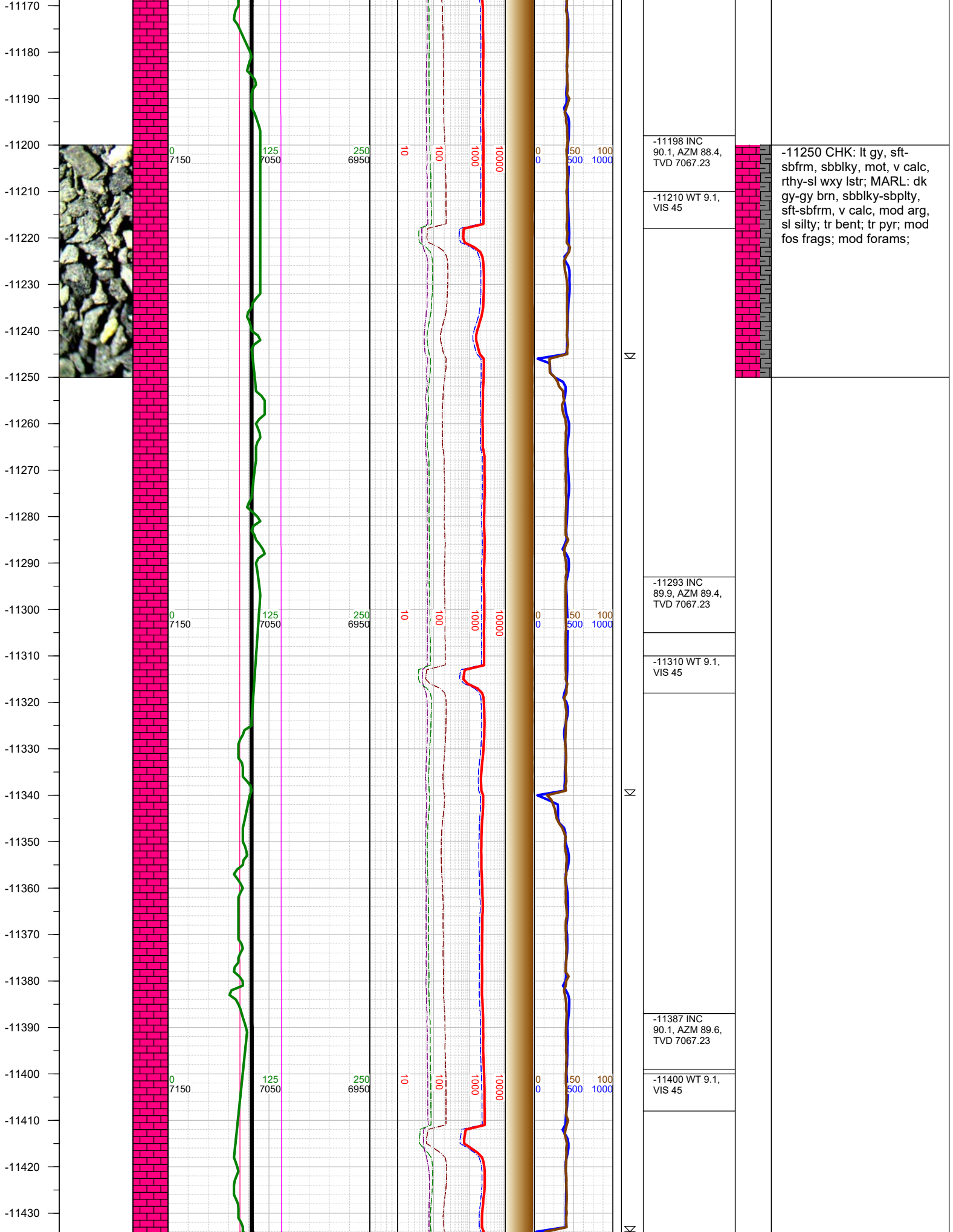
-11000 WT 9.2,
VIS 44

-11009 INC 90,
AZM 89.6, TVD
7067.64

-11103 INC
90.2, AZM 87.7,
TVD 7067.48

-11120 WT 9.1,
VIS 45

-11000 CHK: lt gy, sft-
sbfrm, sbblky, mot, v calc,
rthy-sl wxy lstr; MARL: dk
gy-gy brn, sbblky-sbplty,
sft-sbfrm, v calc, mod arg,
sl silty; tr bent; tr pyr; mod
fos frags; mod forams;



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TVD 7066.98

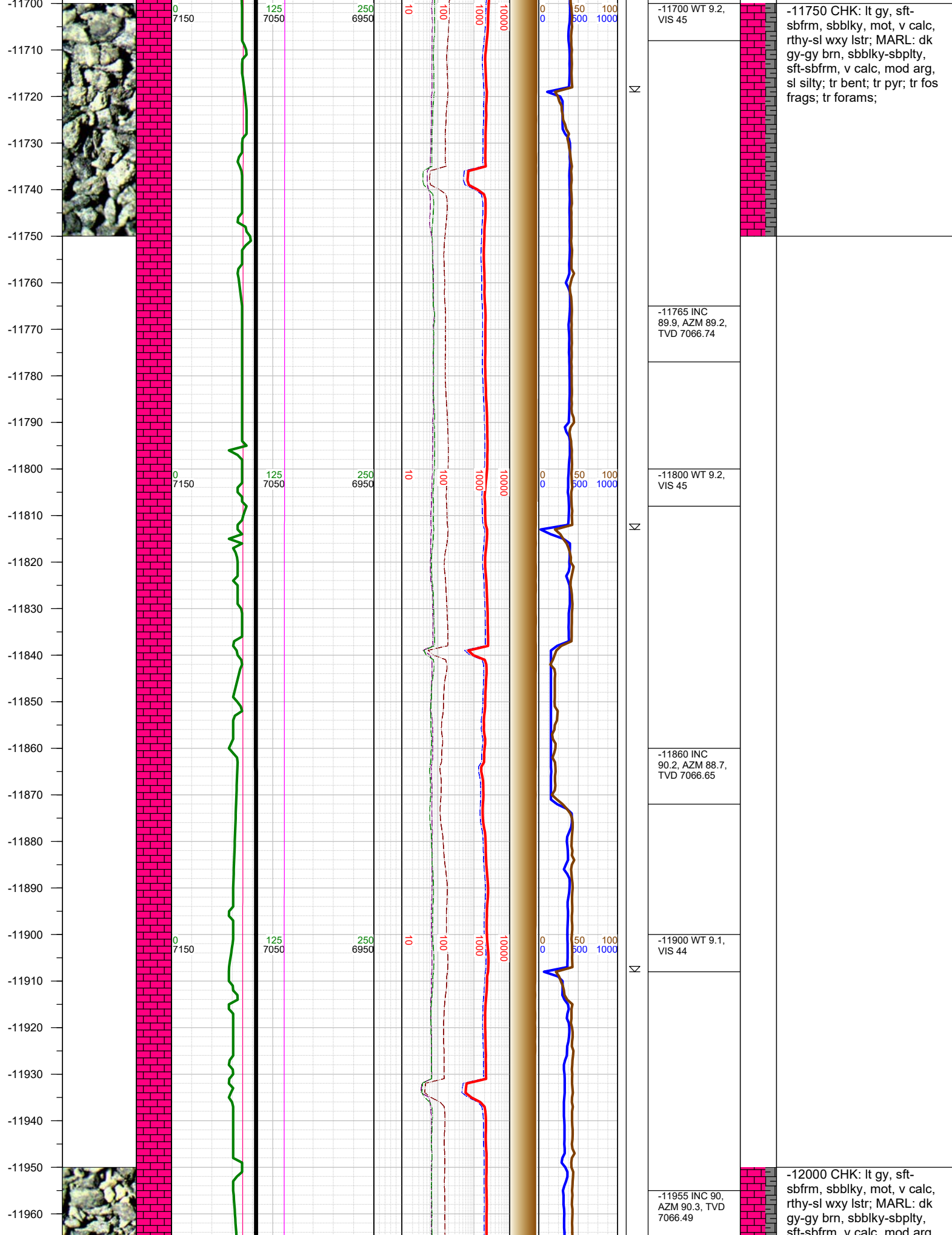
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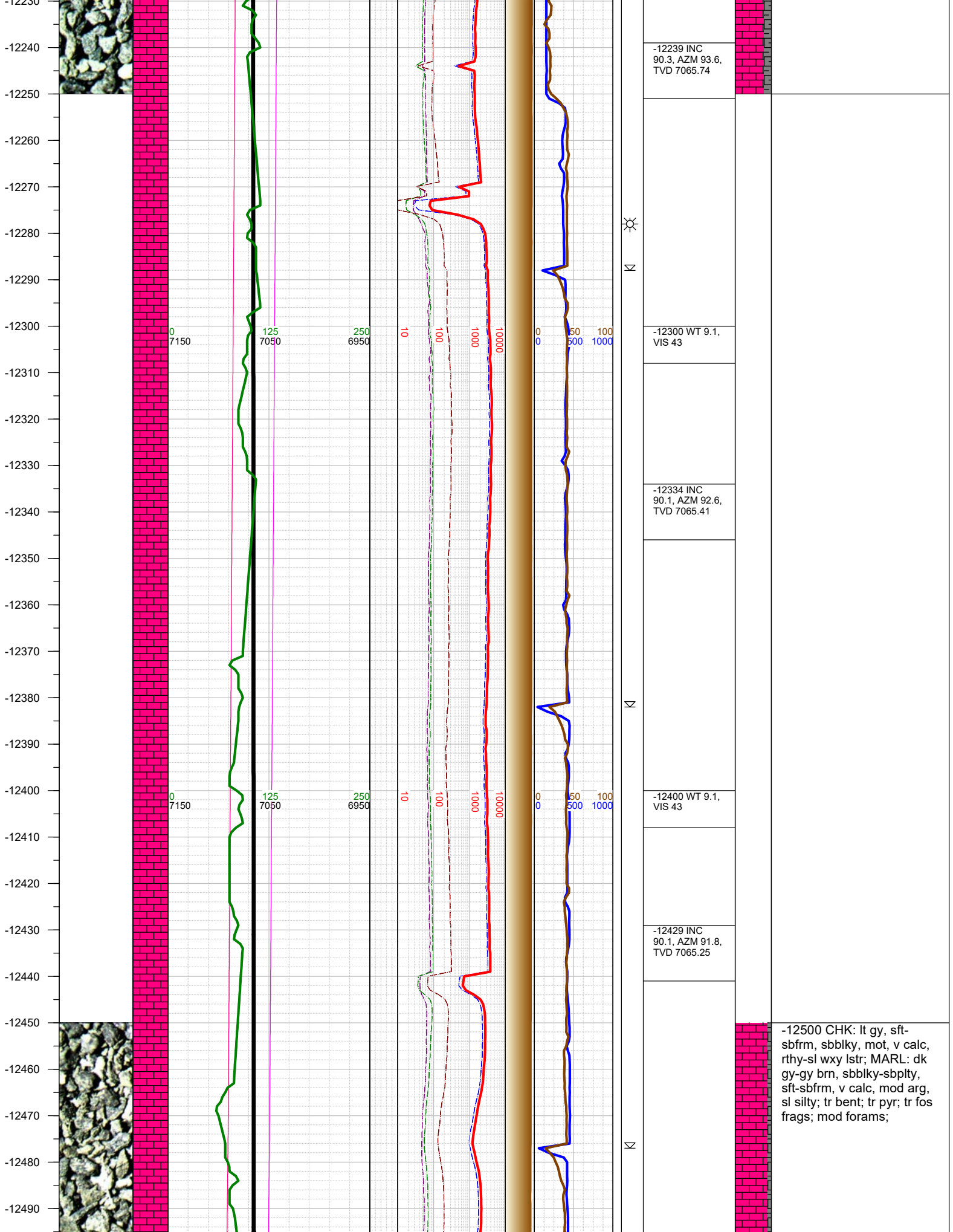
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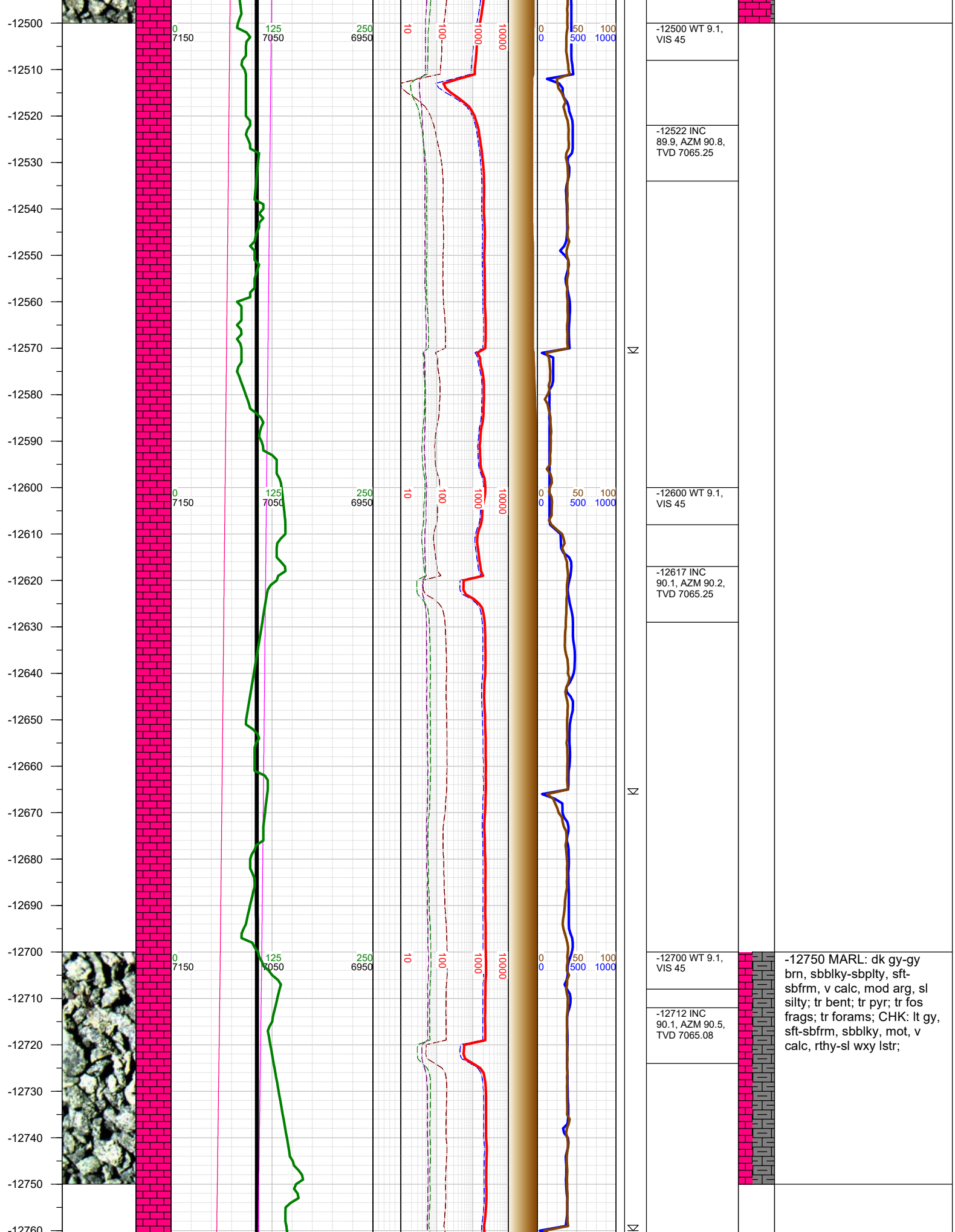
-11600 WT 9.1,
VIS 45

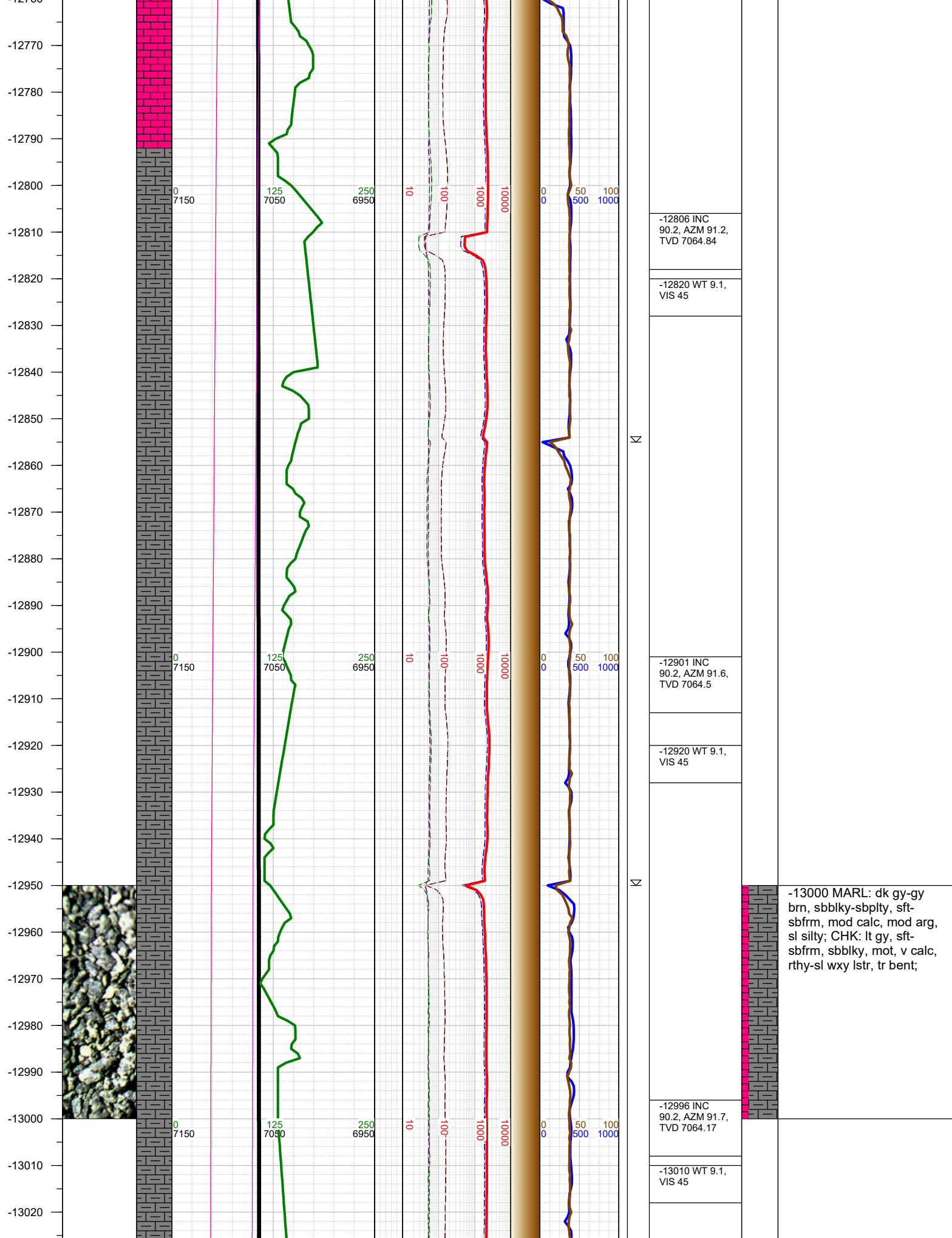
-11670 INC
90.1, AZM 89.8,
TVD 7066.74

-11500 CHK: lt gy, sft-
sbfrm, sbblky, mot, v calc,
rthy-sl wxy lstr; MARL: dk
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sft-sbfrm, v calc, mod arg,
sl silty; tr bent; tr pyr; tr fos
frags; tr forams;

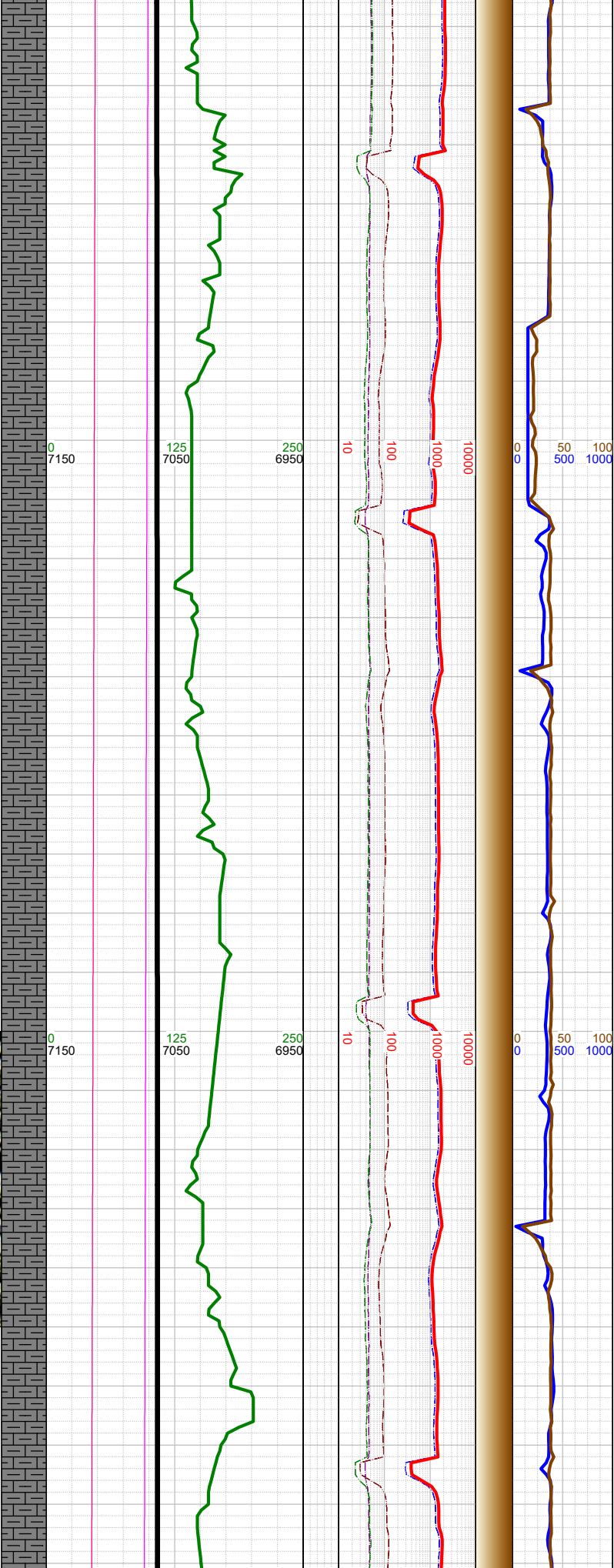




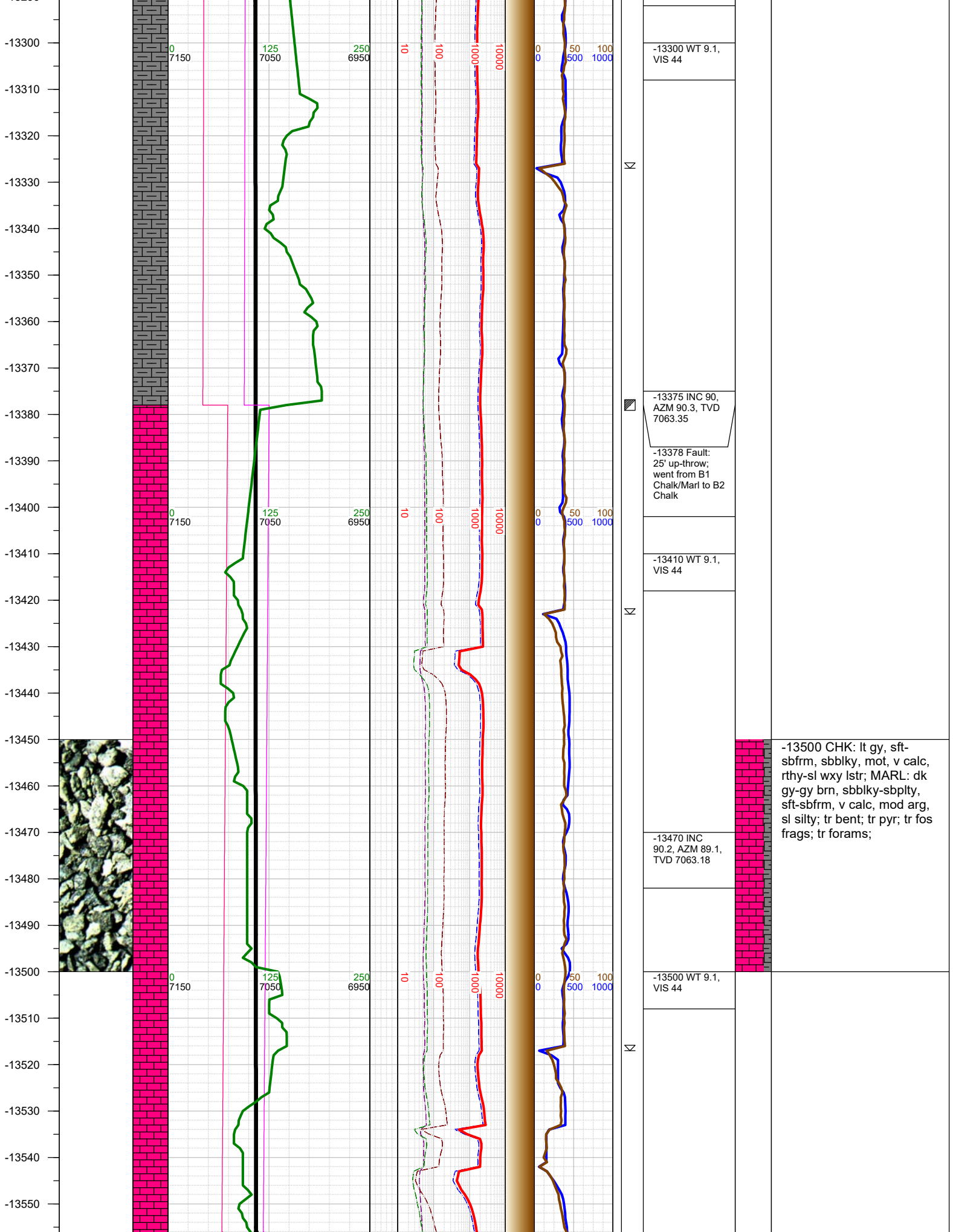


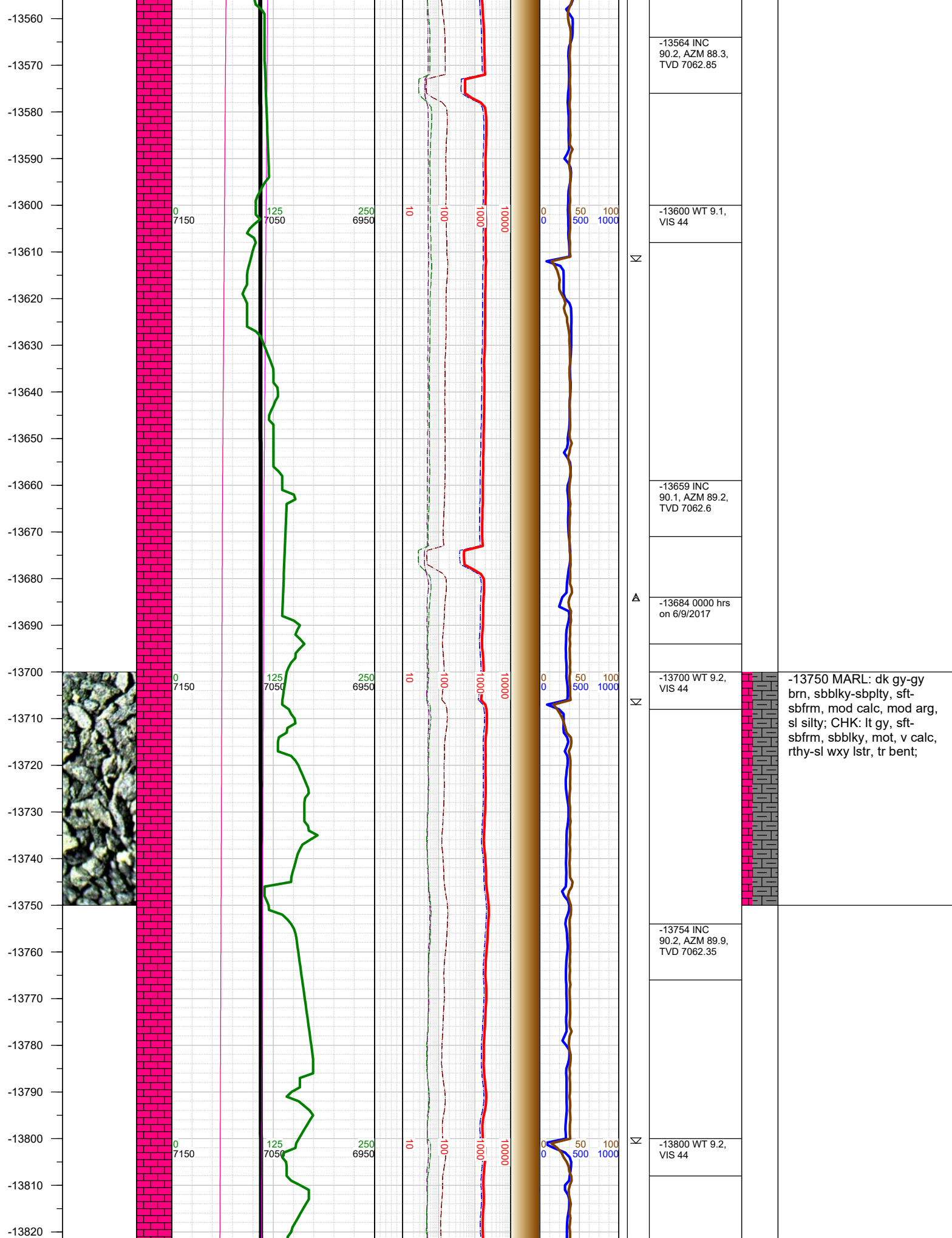


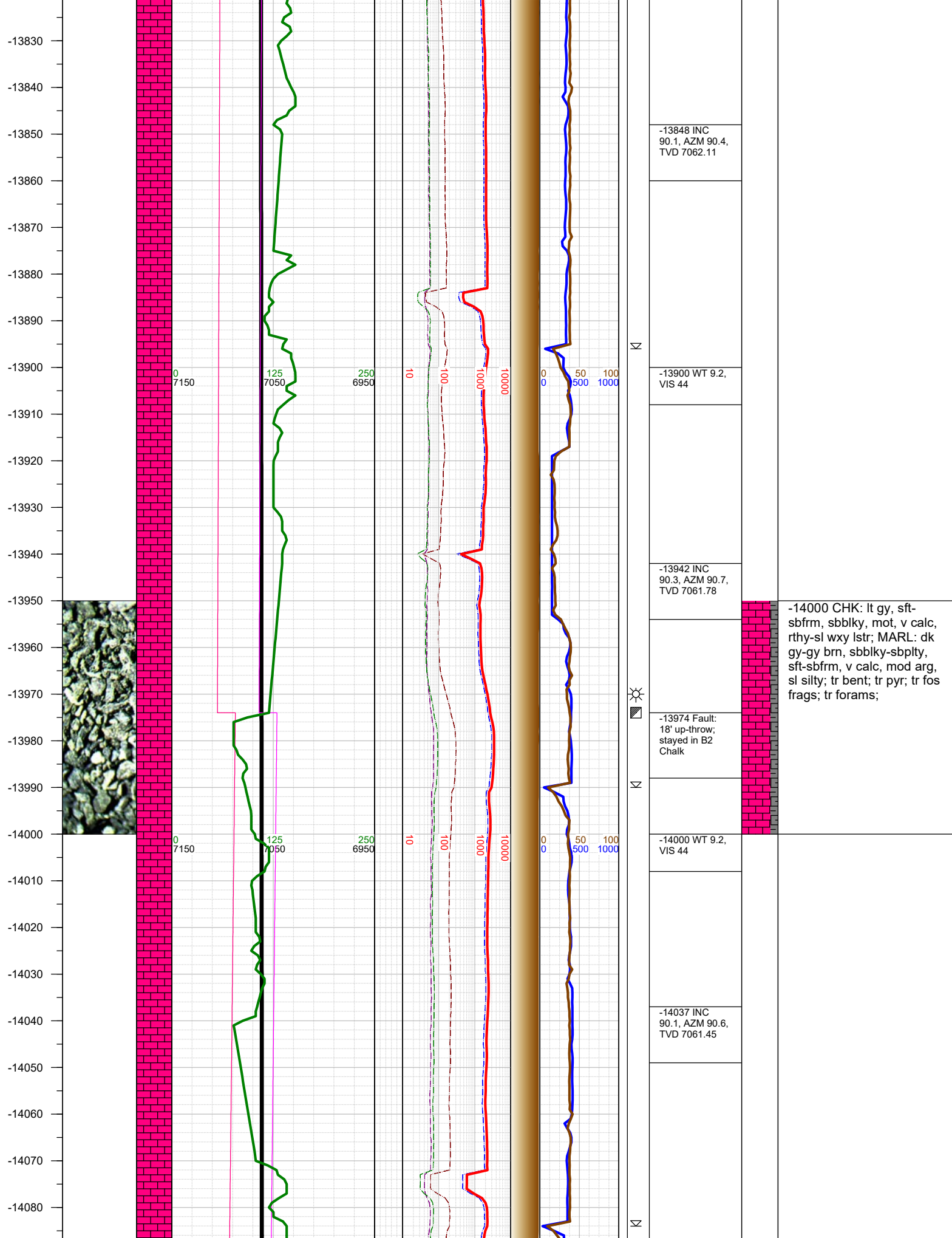
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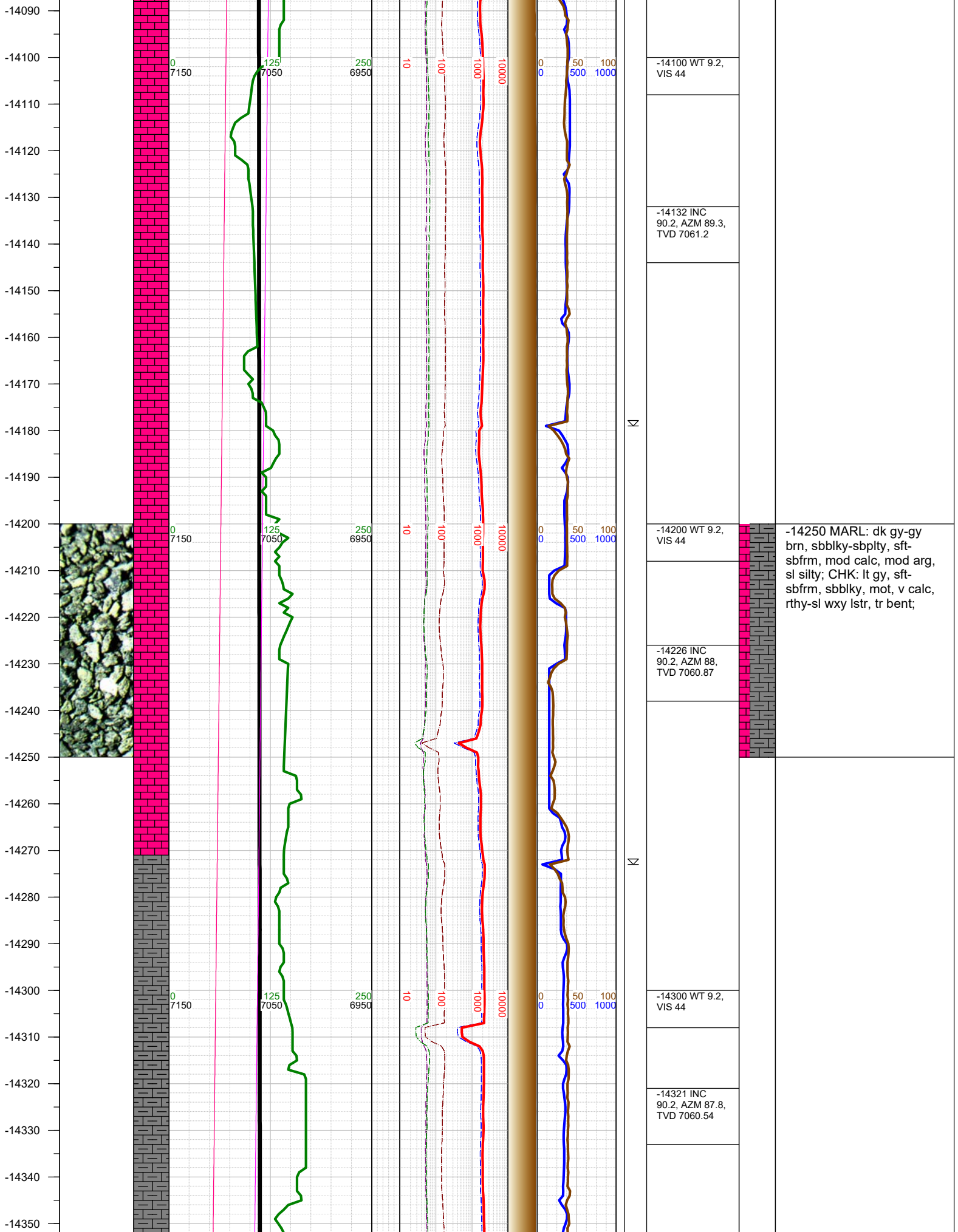


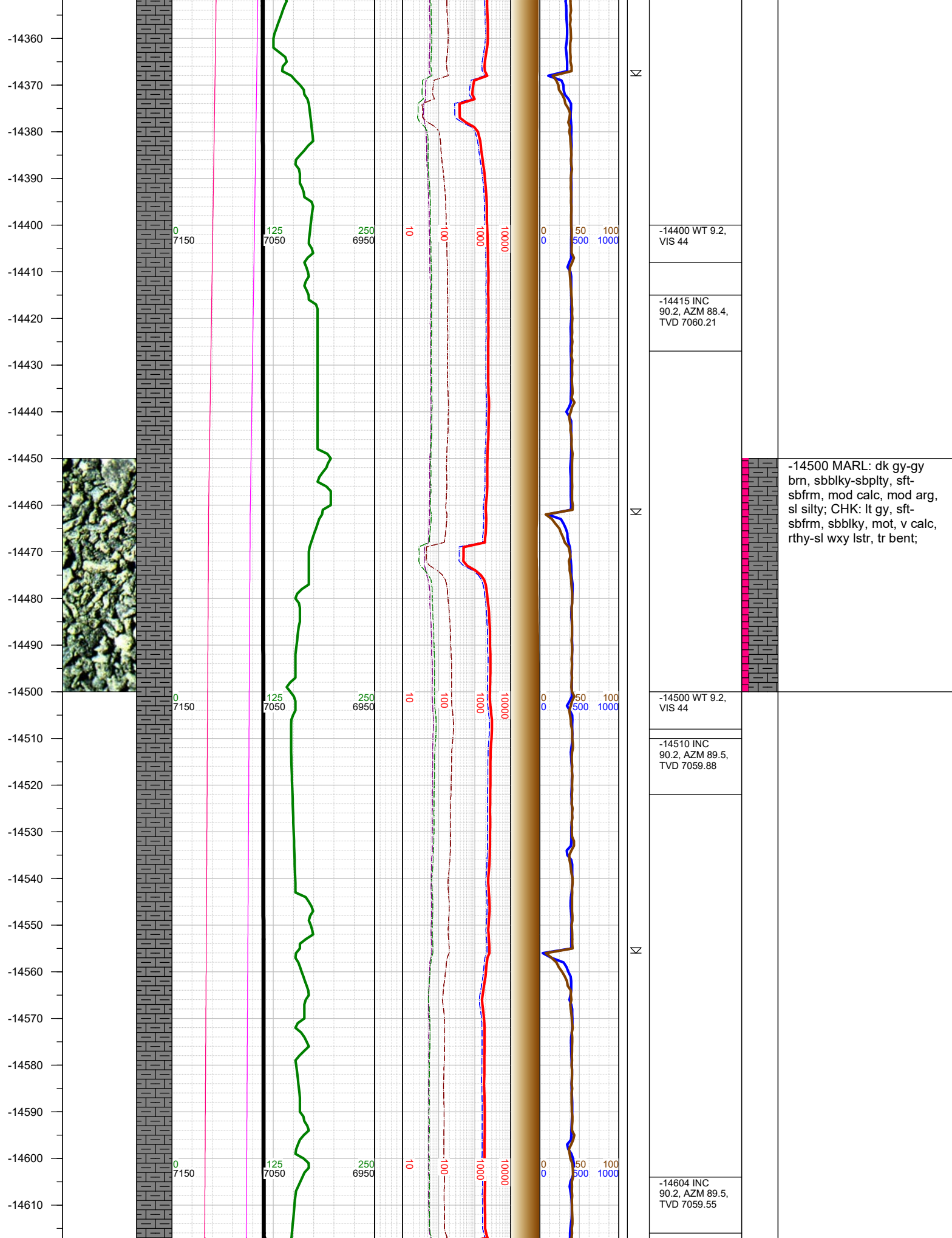
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	-13110 WT 9.1, VIS 45	
N	-13185 INC 90.1, AZM 91.6, TVD 7063.59	
	-13200 WT 9.1, VIS 45	-13250 MARL: dk gy-gy brn, sbblky-sbply, sft- sbfrm, mod calc, mod arg, sl silty; CHK: lt gy, sft- sbfrm, sbblky, mot, v calc, rthy-sl wxy lstr, tr bent;
N	-13280 INC 90.1, AZM 90.9, TVD 7063.43	



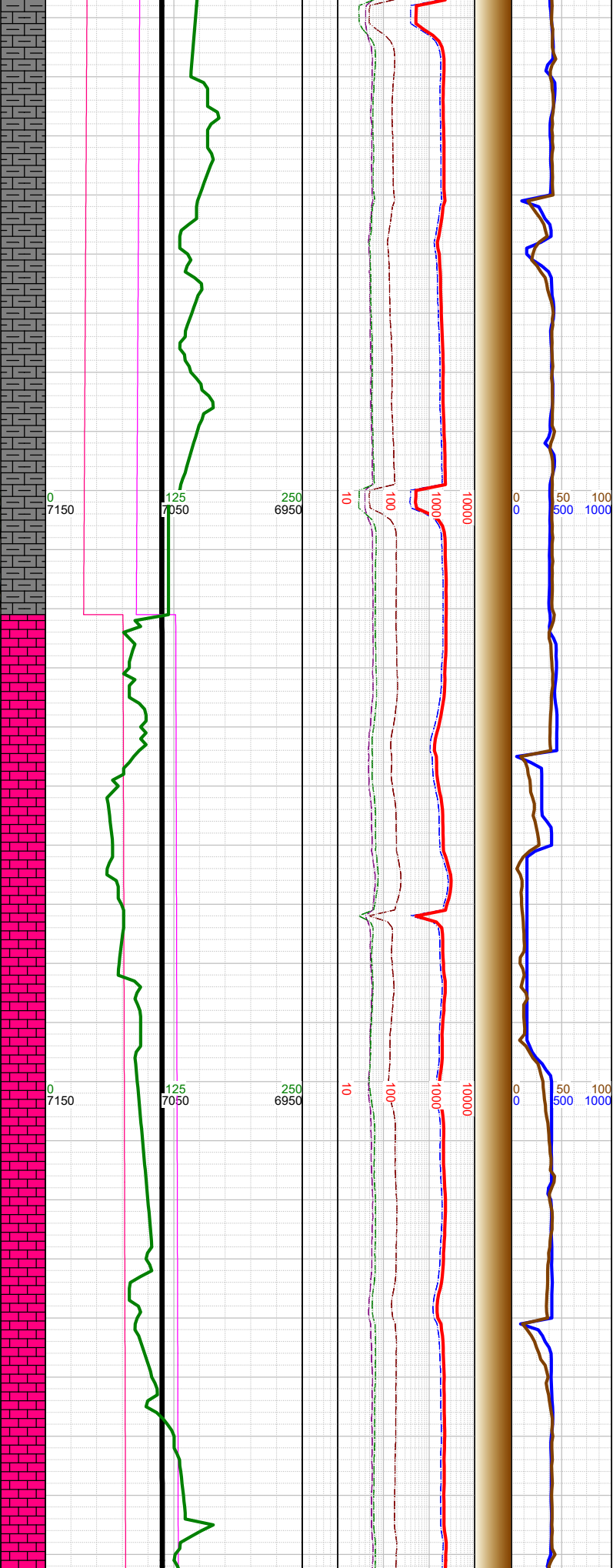
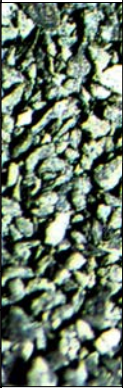








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-14620 WT 9.2,
VIS 45

-14699 INC 90,
AZM 90.2, TVD
7059.39

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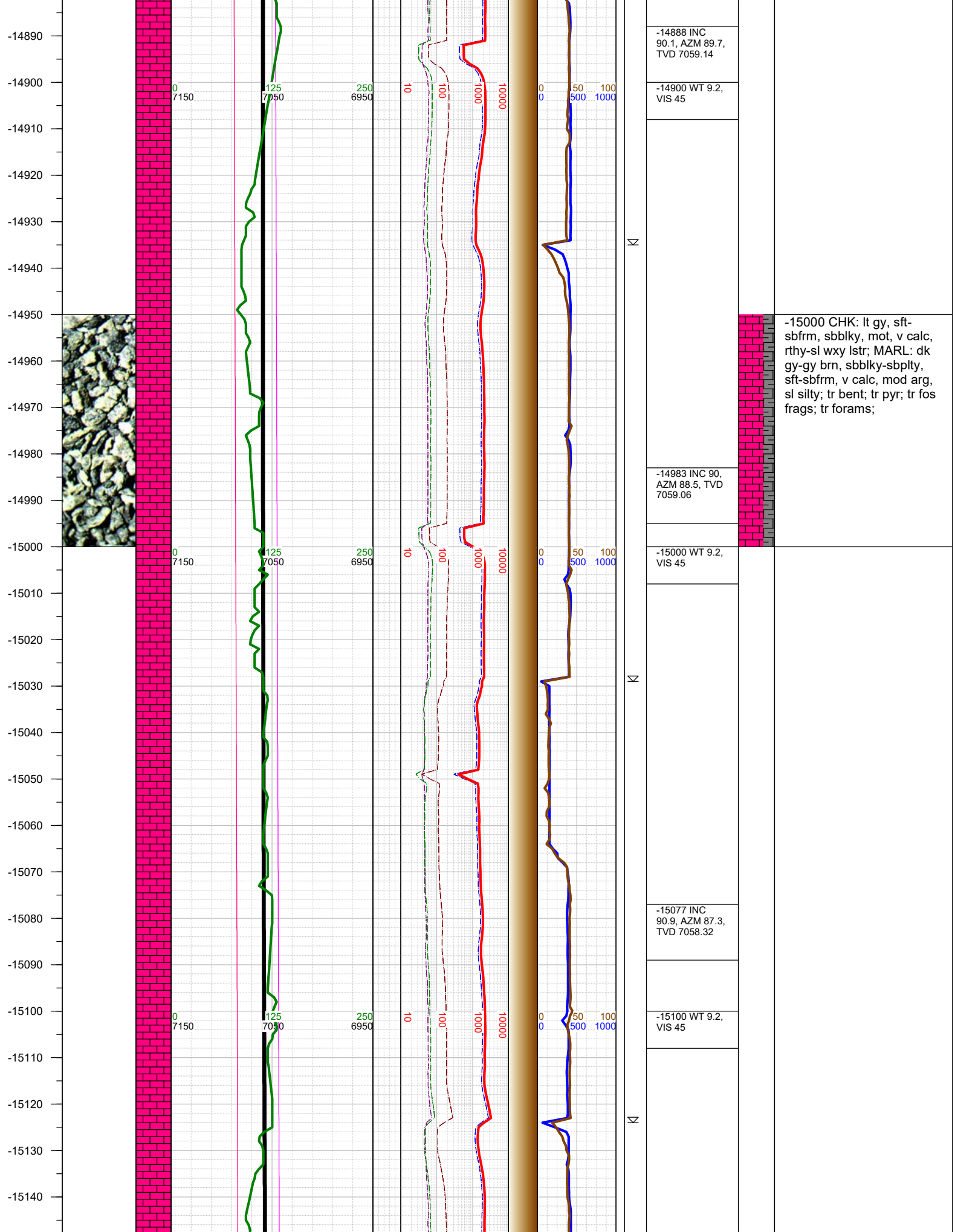
-14721 Fault:
33' up-throw;
went from B1
Chalk/Marl to B2
Chalk

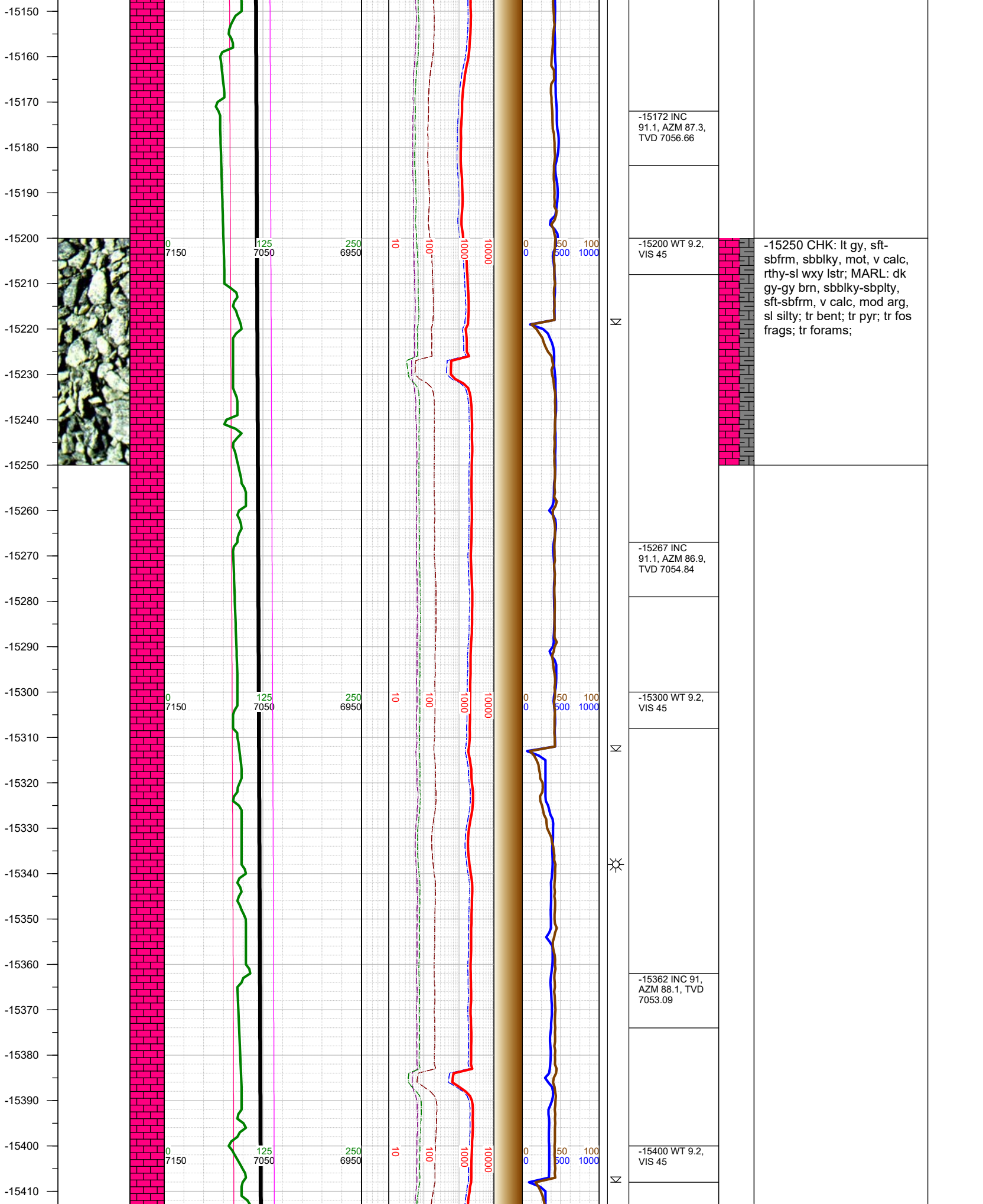
-14740 WT 9.2,
VIS 45

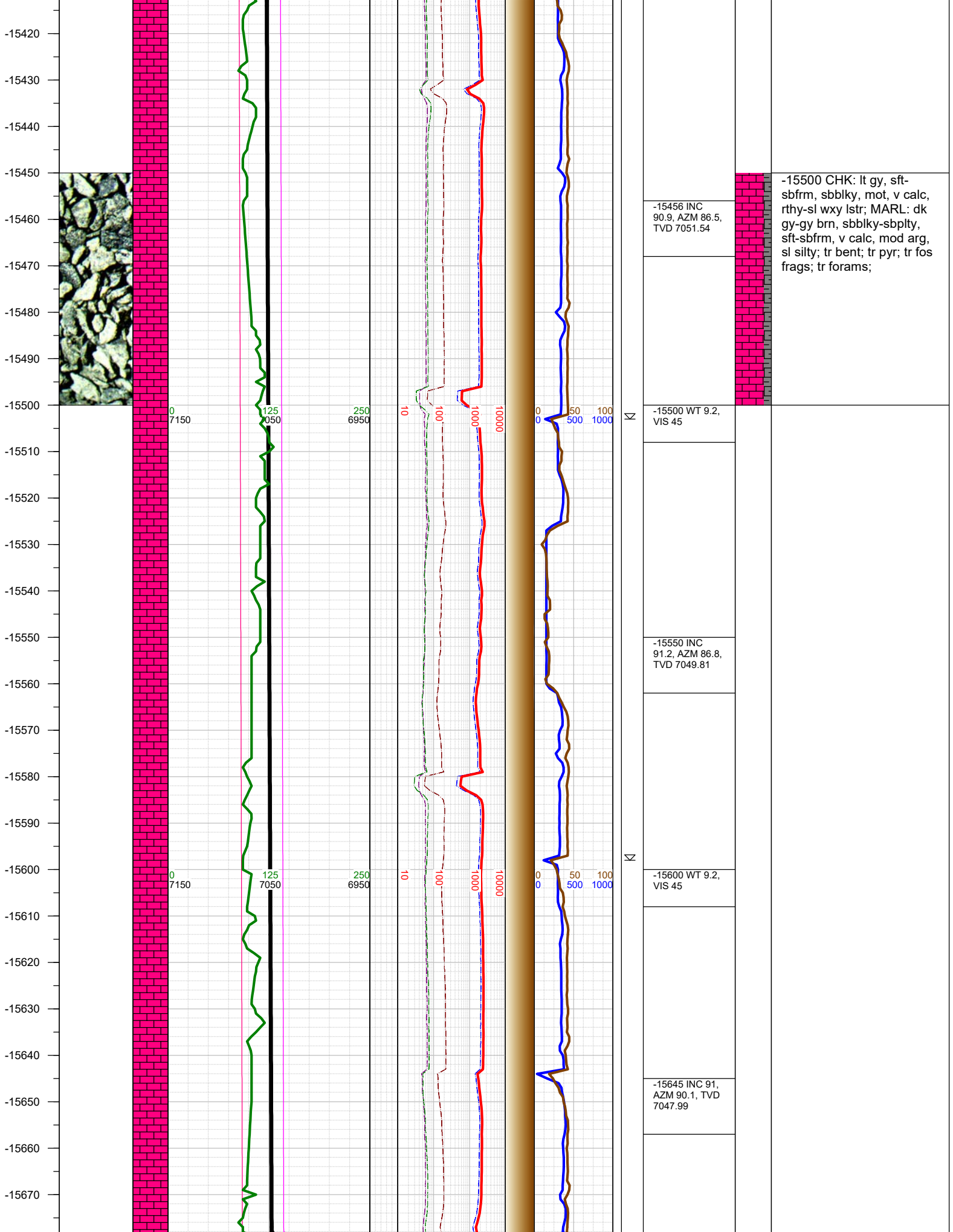
-14793 INC
90.1, AZM 90.7,
TVD 7059.3

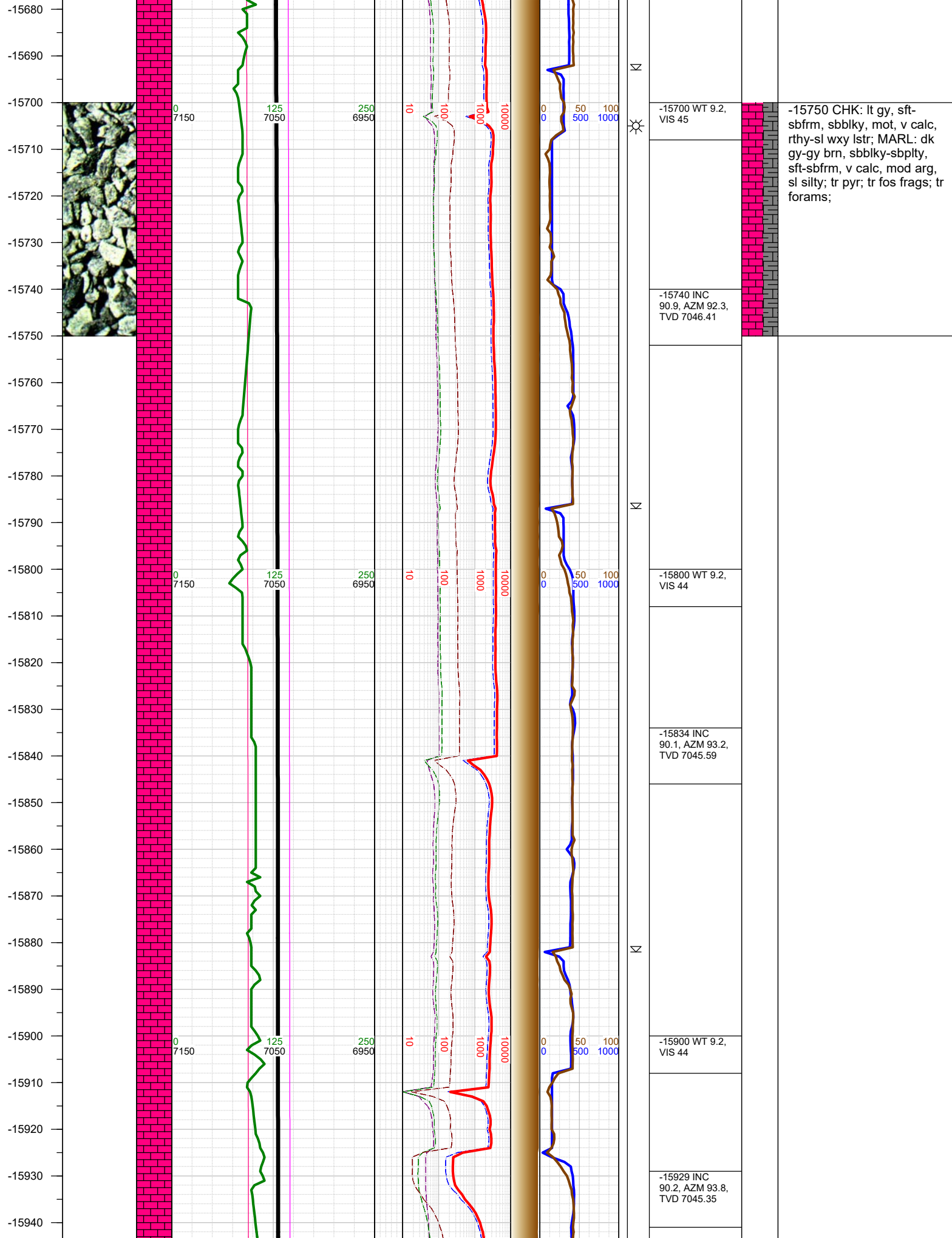
-14810 WT 9.2,
VIS 45

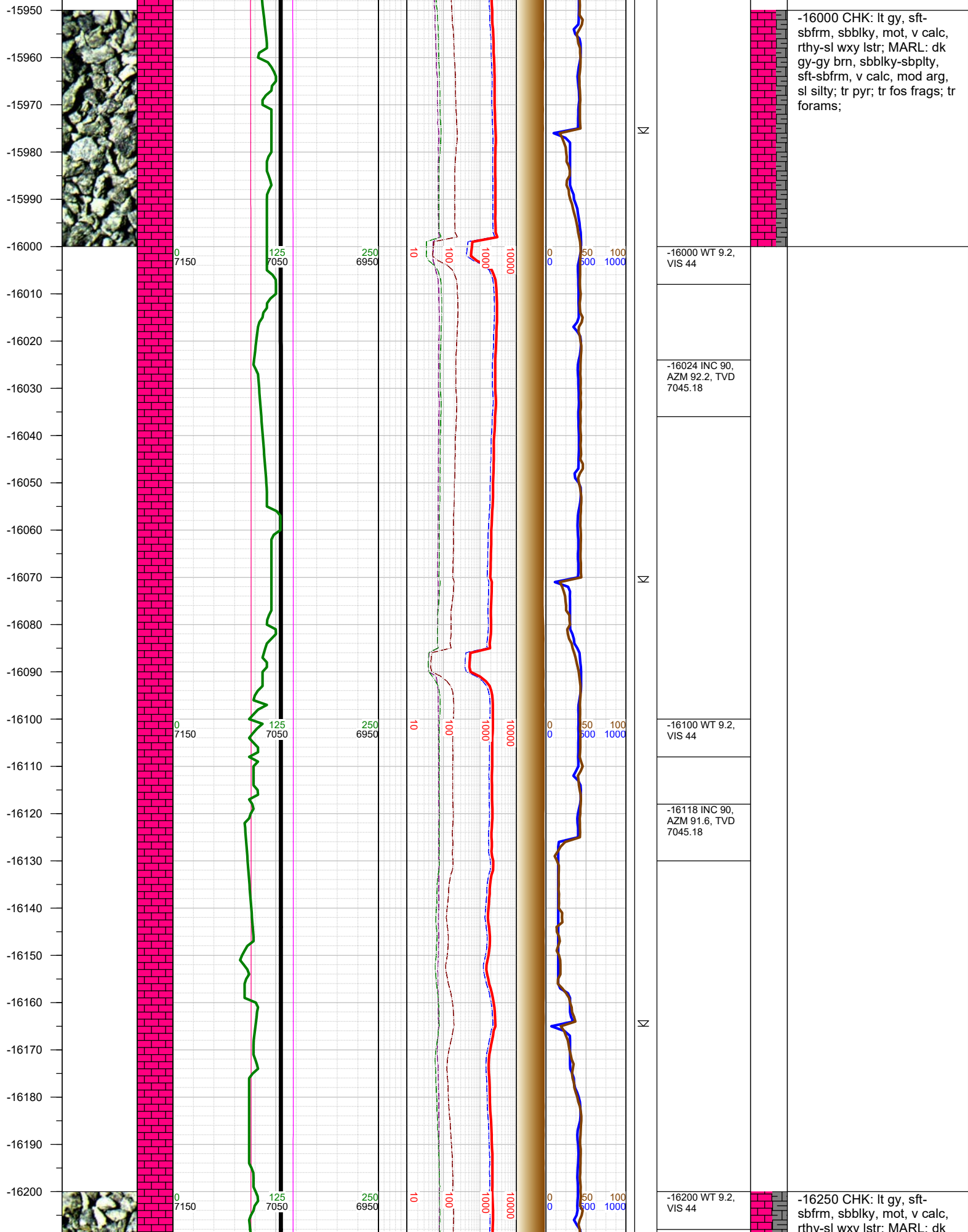
-14750 CHK: lt gy, sft-
sbfrm, sbbiky, mot, v calc,
rthy-sl wxy lstr; MARL: dk
gy-gy brn, sbbiky-sbply,
sft-sbfrm, v calc, mod arg,
sl silty; tr bent; tr pyr; tr fos
frags; tr forams;

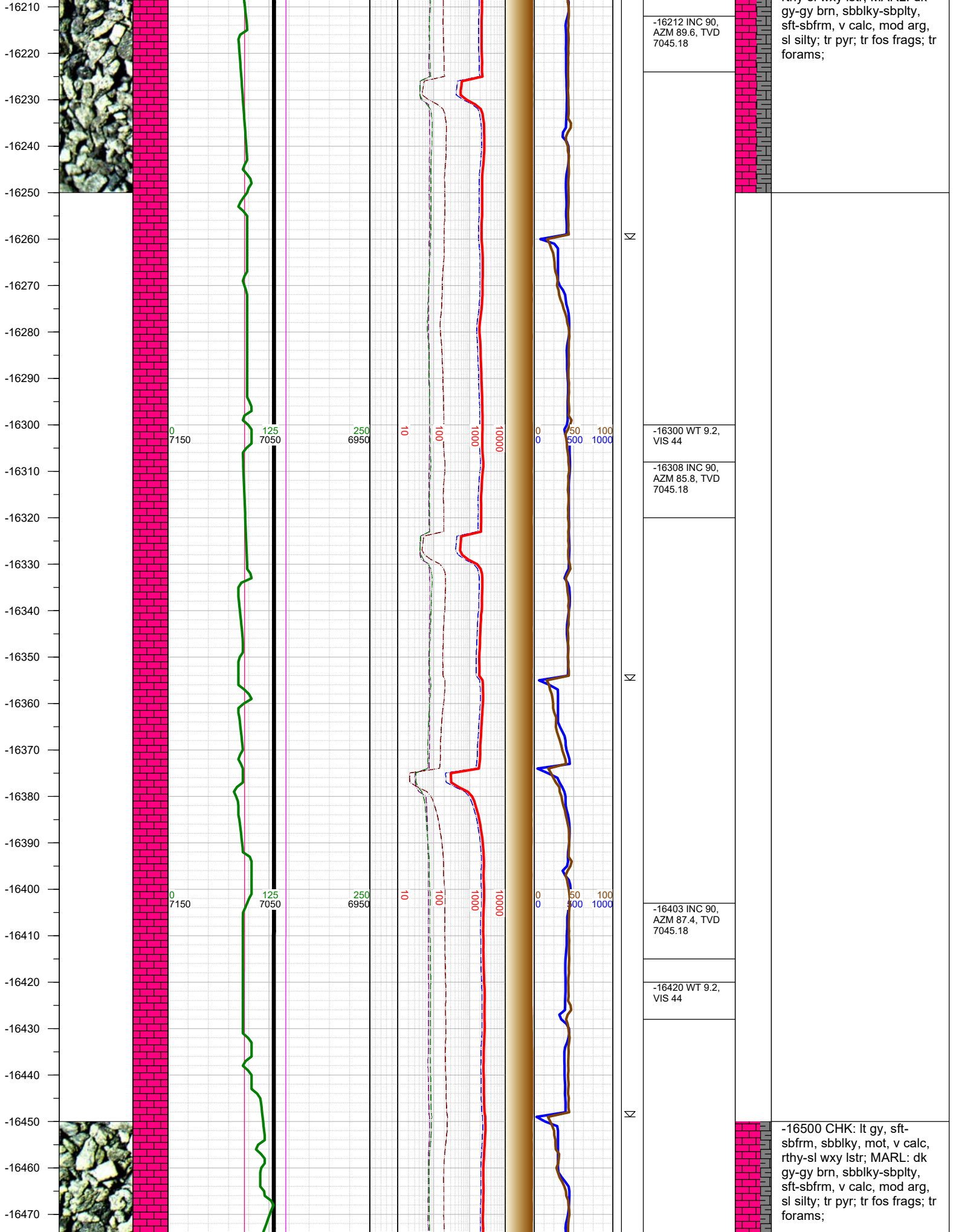




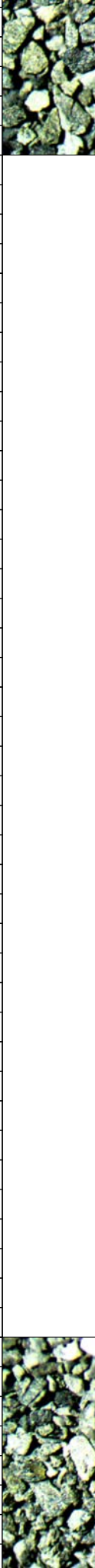








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-16498 INC
89.9, AZM 88.9,
TVD 7045.26

-16510 WT 9.2,
VIS 44

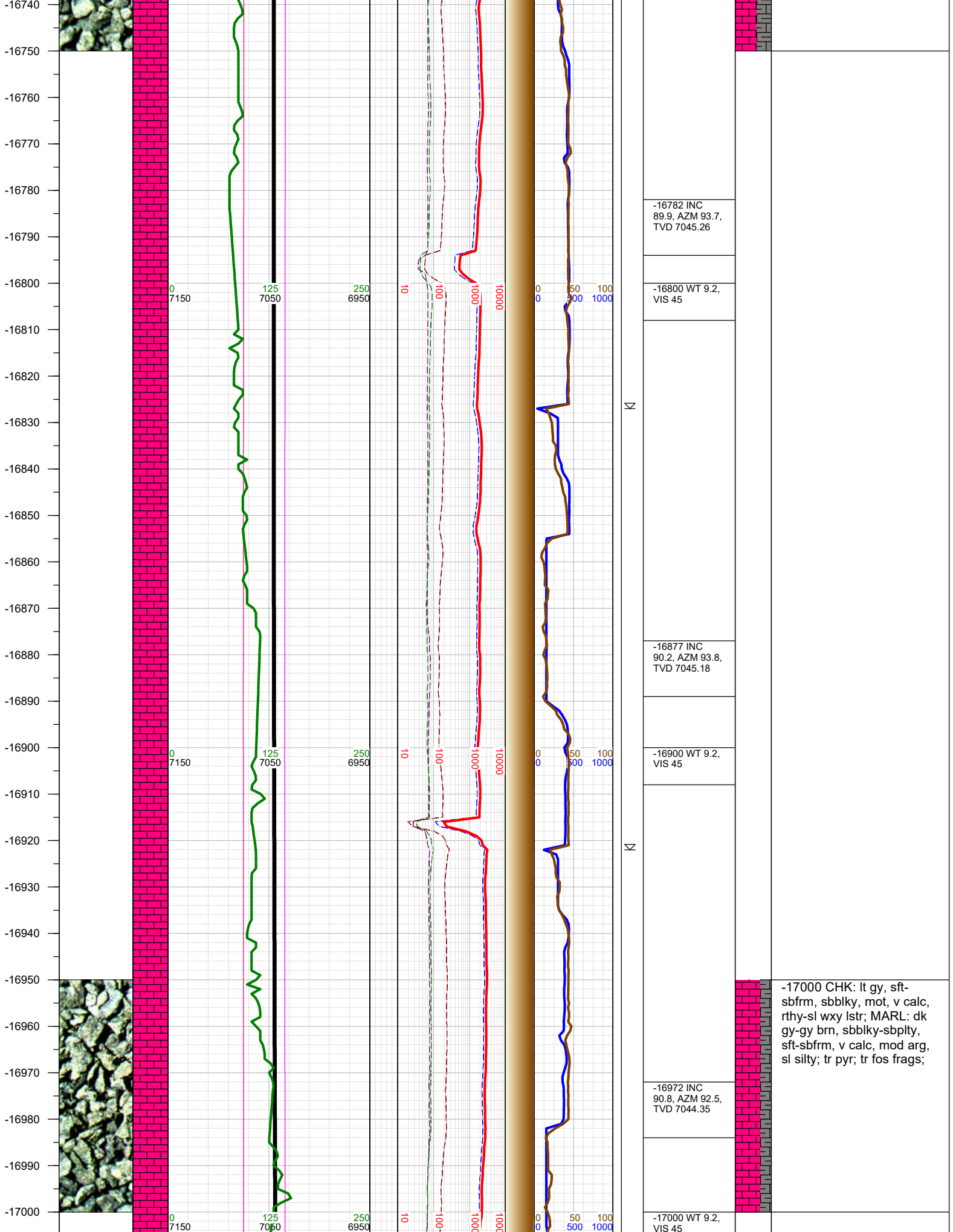
-16593 INC
90.1, AZM 90.2,
TVD 7045.26

-16610 WT 9.2,
VIS 44

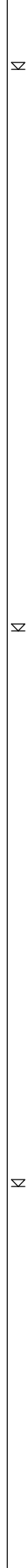
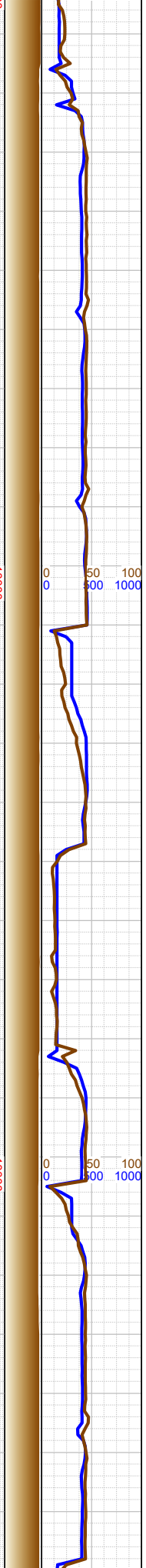
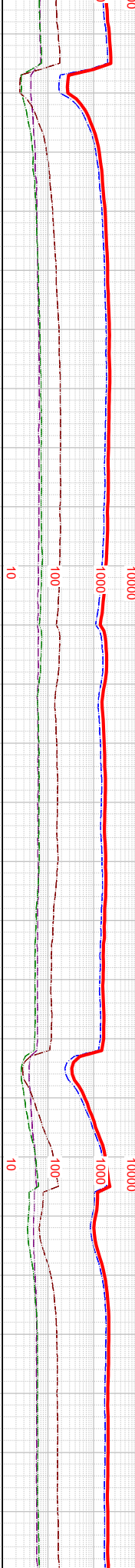
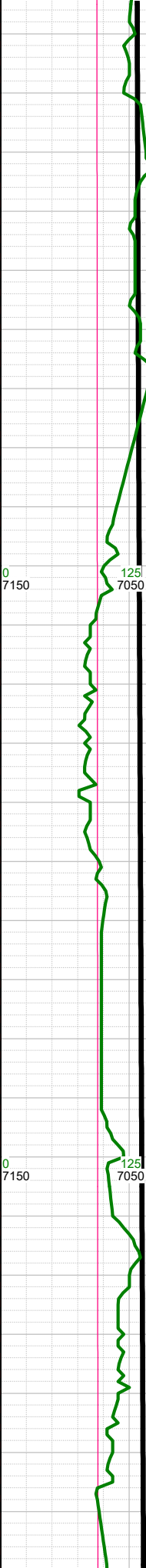
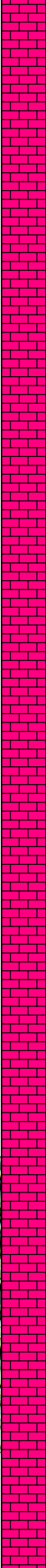
-16688 INC 90,
AZM 92.4, TVD
7045.18

-16700 WT 9.2,
VIS 45

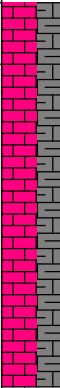
-16750 CHK: lt gy, sft-
sbfrm, sbbiky, mot, v calc,
rthy-sl wxy lstr; MARL: dk
gy-gy brn, sbbiky-sbply,
sft-sbfrm, v calc, mod arg,
sl silty; tr pyr; tr fos frags; tr
forams;



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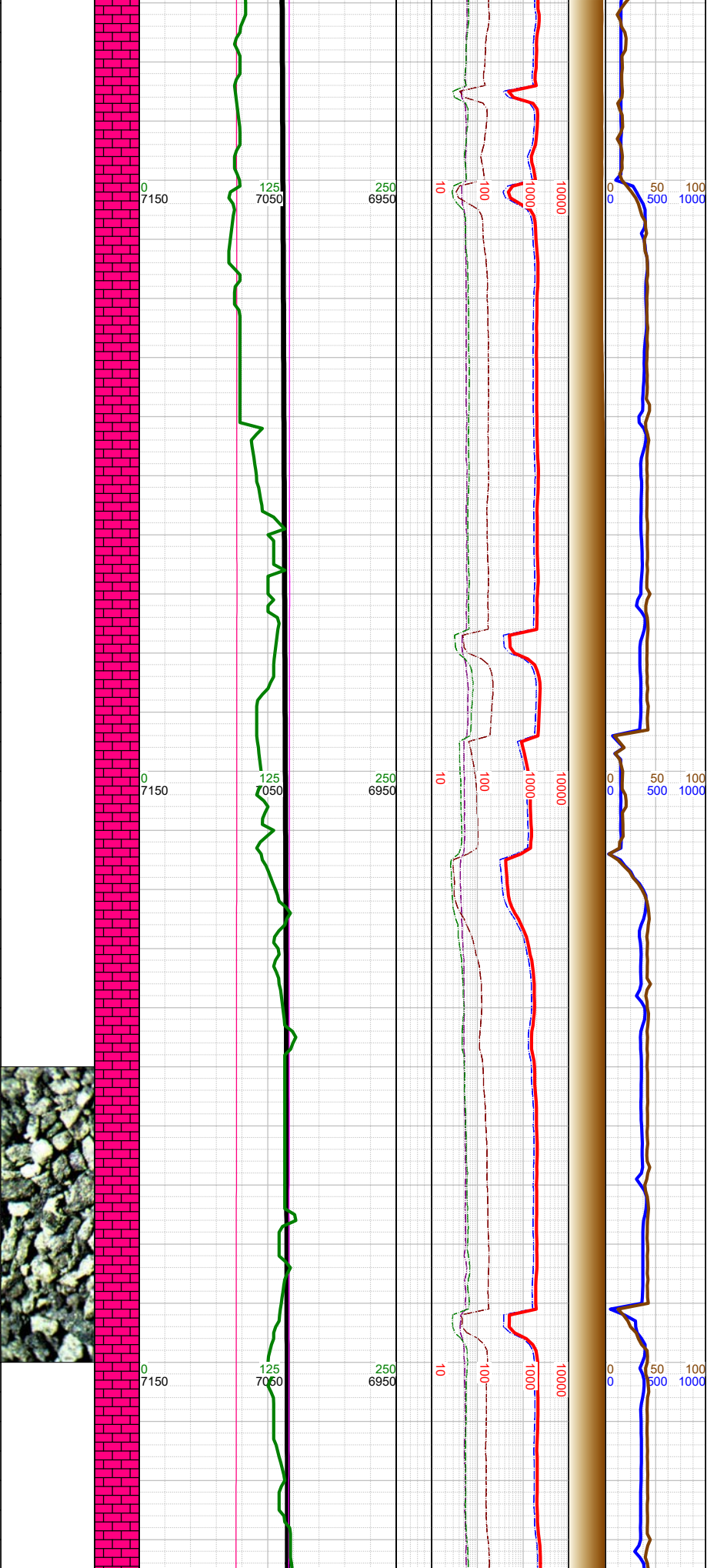


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	-17066 INC 91, AZM 92.4, TVD 7042.87
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	-17100 WT 9.2, VIS 44
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	-17161 INC 91.2, AZM 92.9, TVD 7041.05
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	-17200 WT 9.2, VIS 44
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	-17255 INC 91.1, AZM 92.3, TVD 7039.16

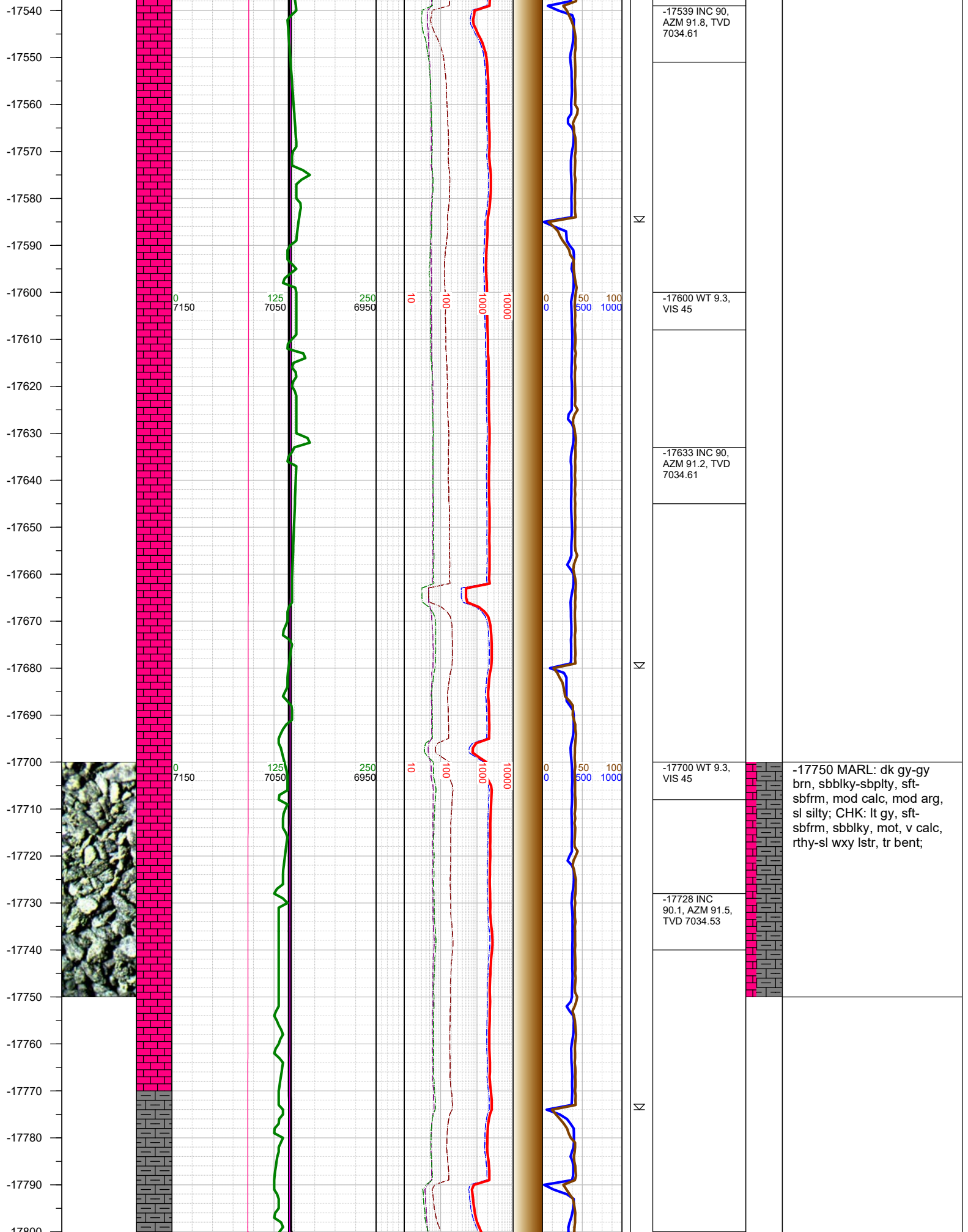


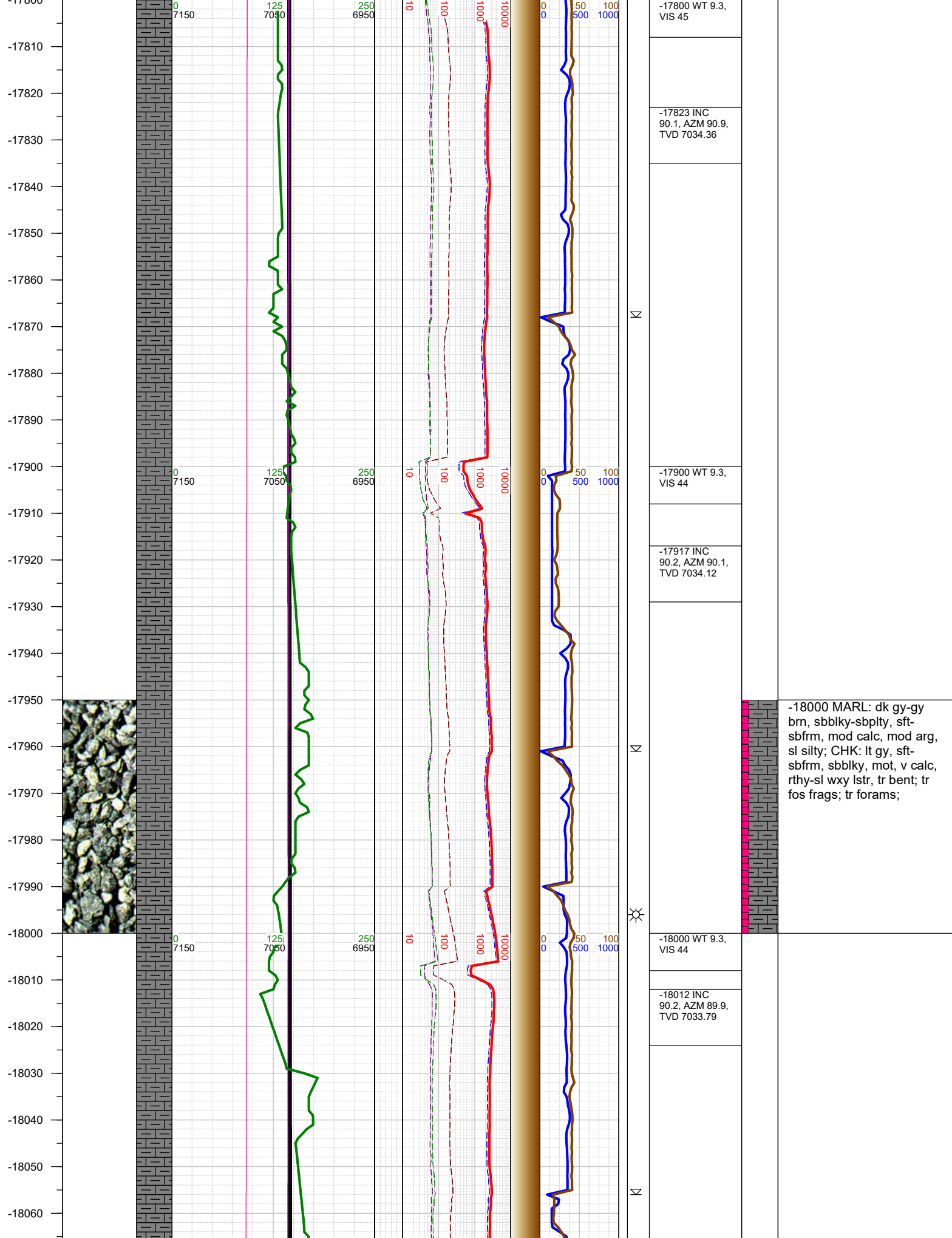
-17250 CHK: lt gy, sft-
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rthy-sl wxy lstr; MARL: dk
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sft-sbfrm, v calc, mod arg,
sl silty; tr pyr; tr fos frags; tr
forams;

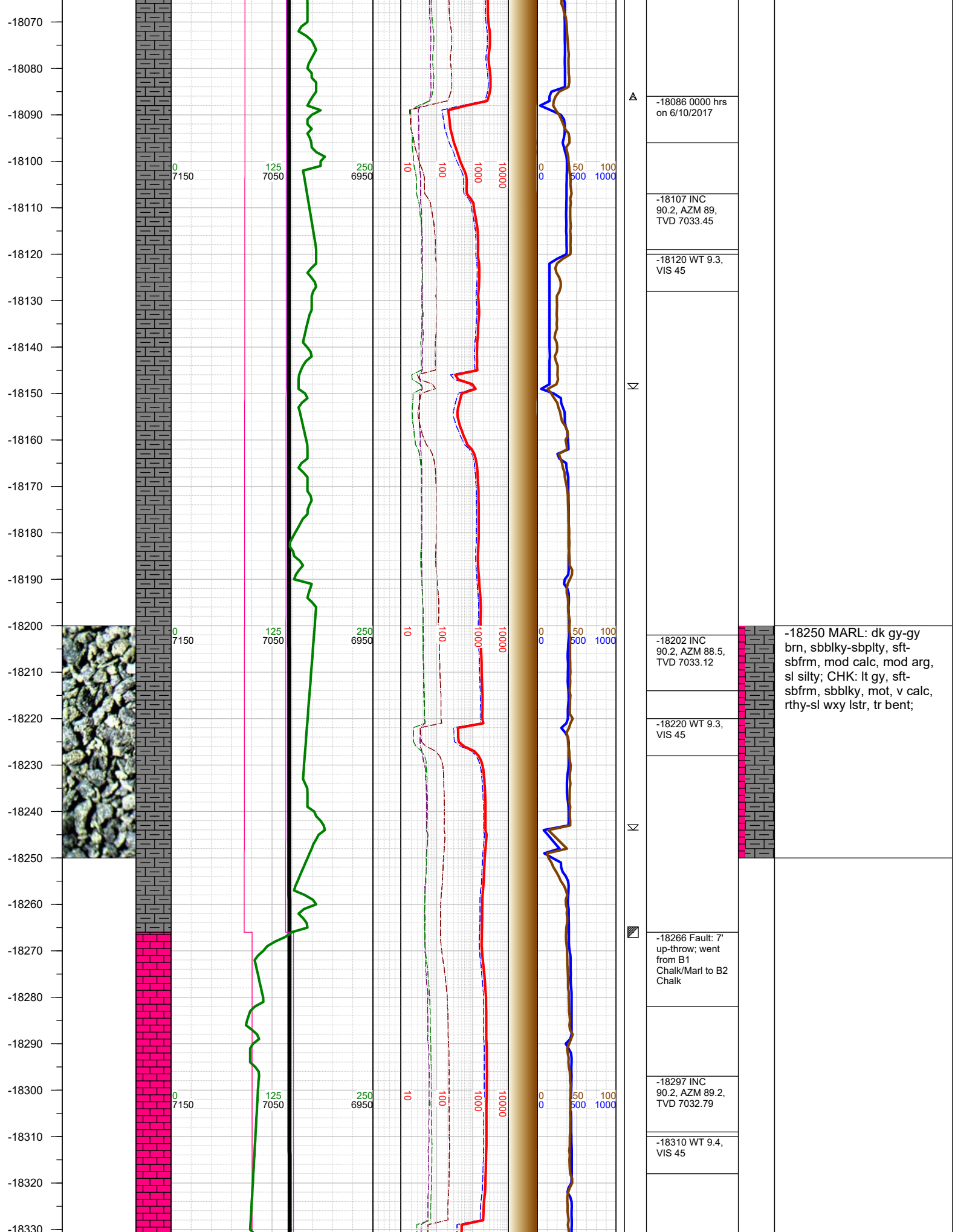
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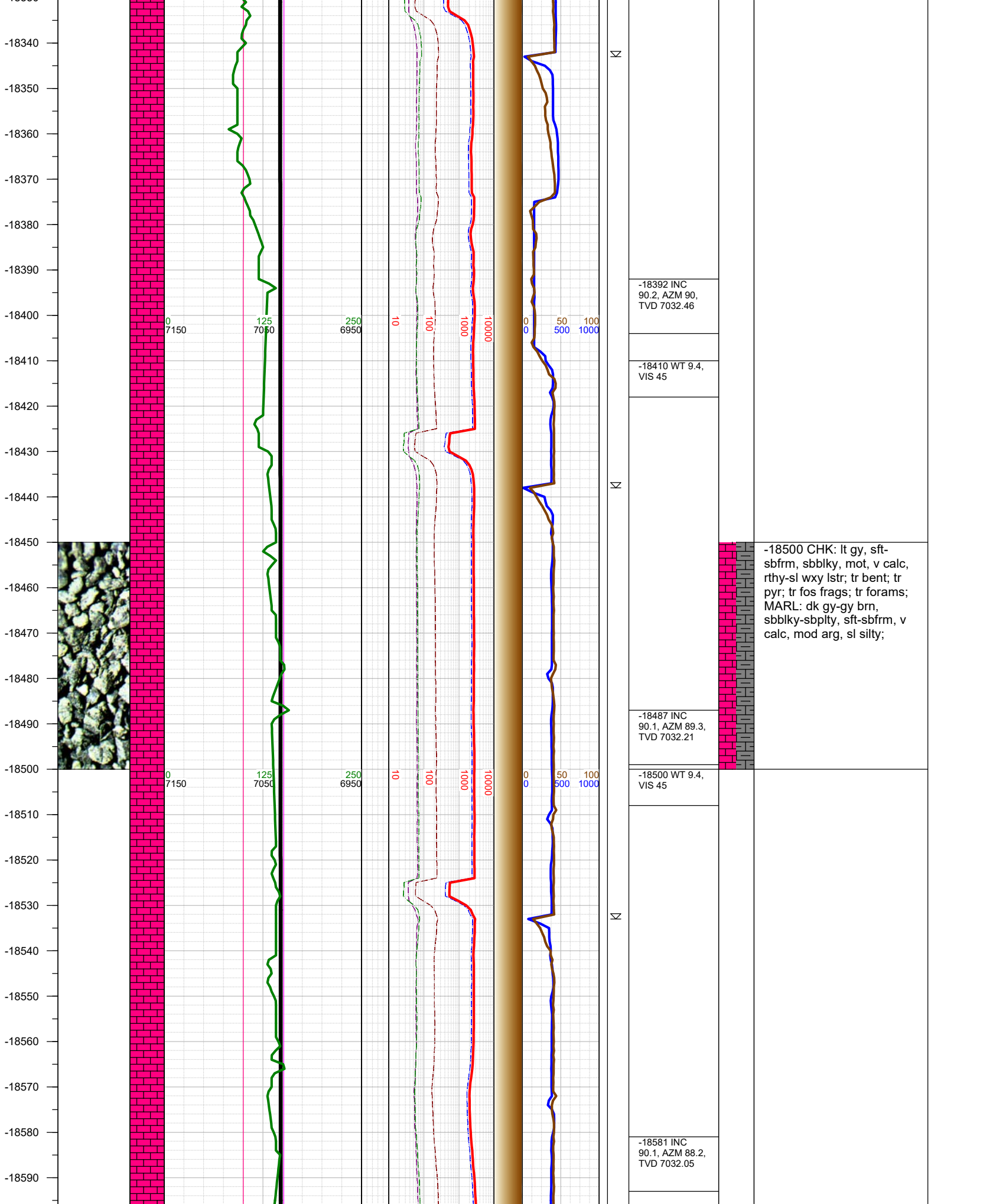


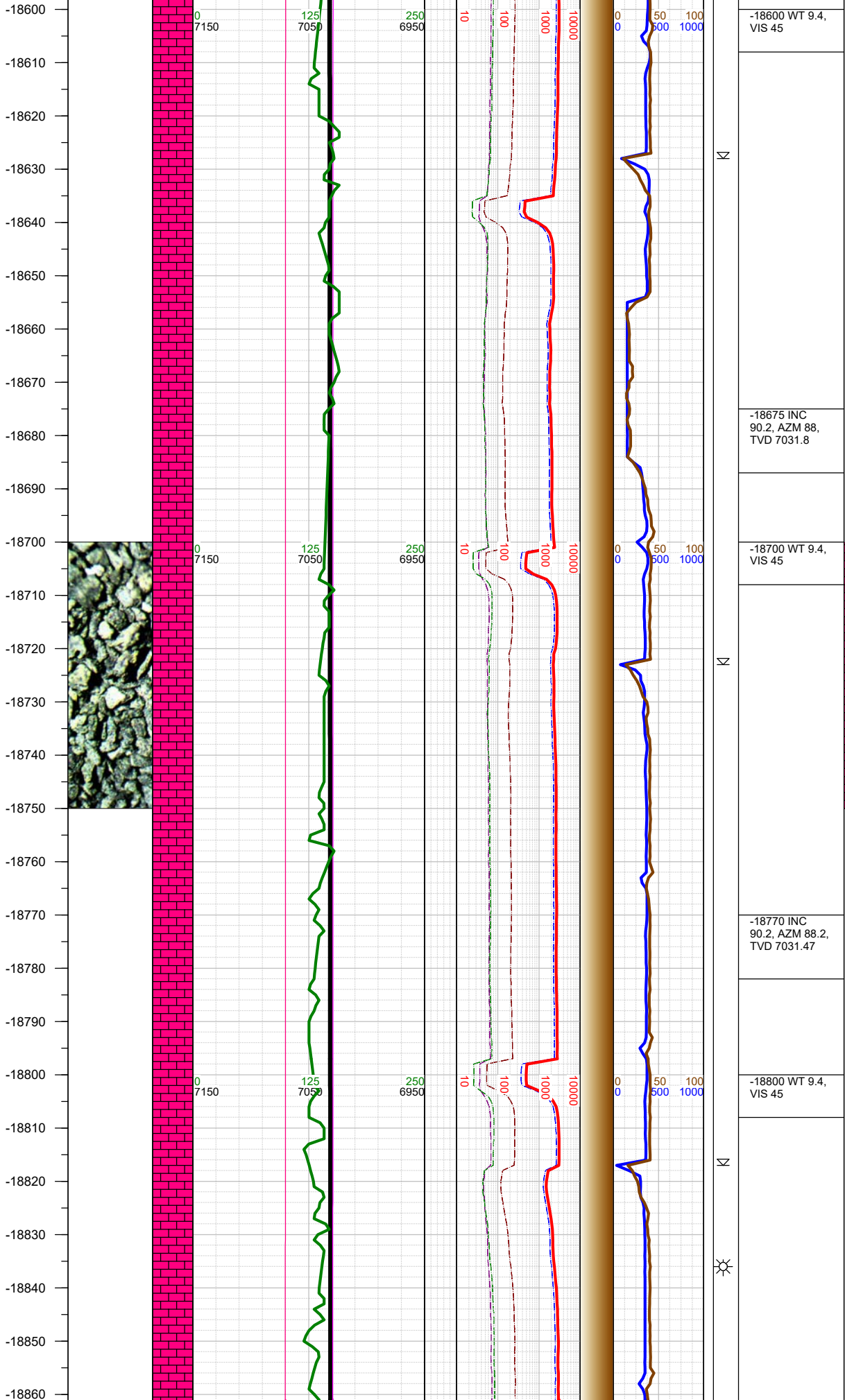
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N	-17350 INC 91.1, AZM 92.3, TVD 7037.34	
N	-17400 WT 9.3, VIS 45	
N	-17445 INC 91.1, AZM 92.2, TVD 7035.52	-17500 MARL: dk gy-gy brn, sbblky-sbplty, sft- sbfrm, mod calc, mod arg, sl silty; CHK: lt gy, sft- sbfrm, sbblky, mot, v calc, rthy-sl wxy lstr, tr bent;
	-17500 WT 9.3, VIS 45	











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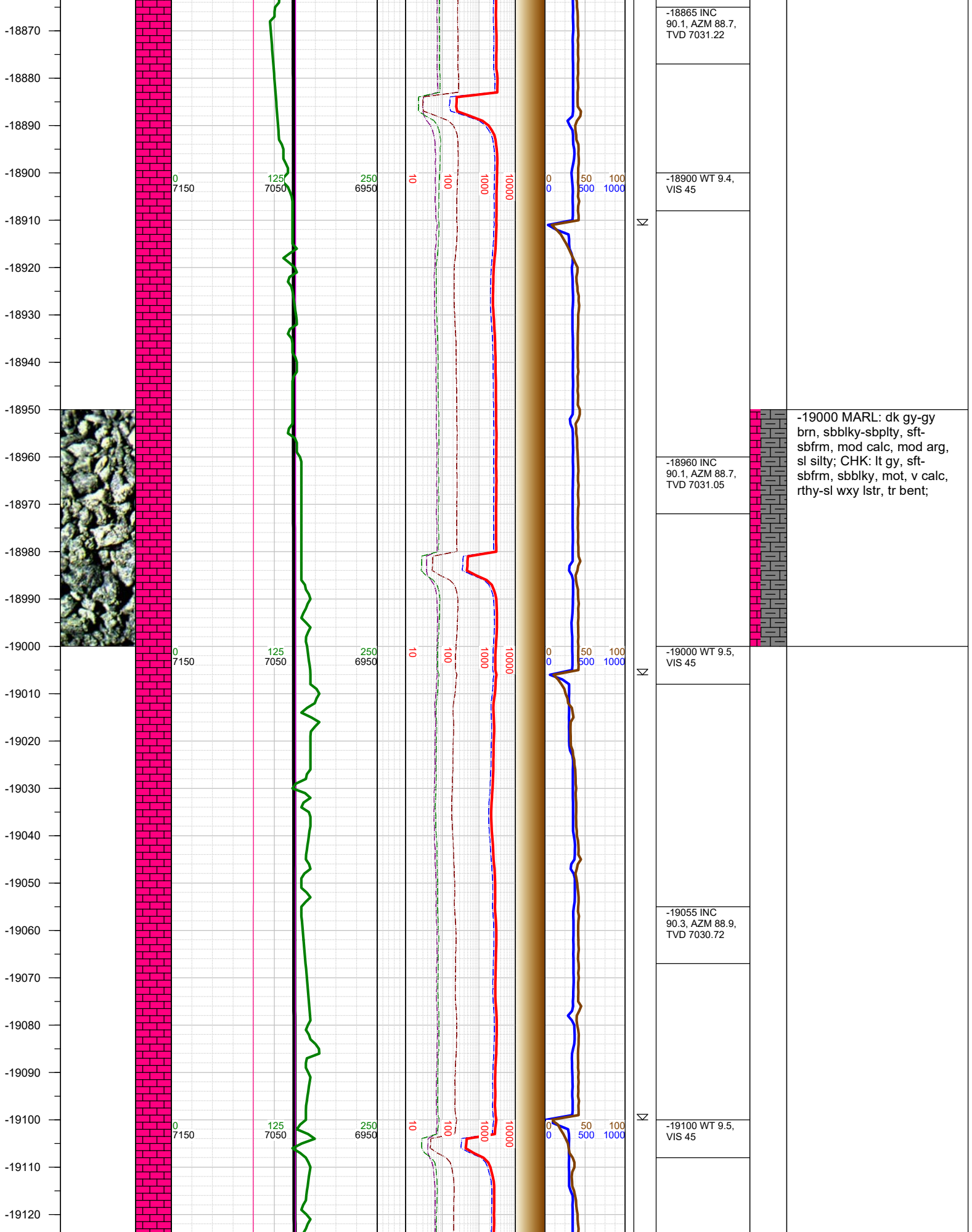
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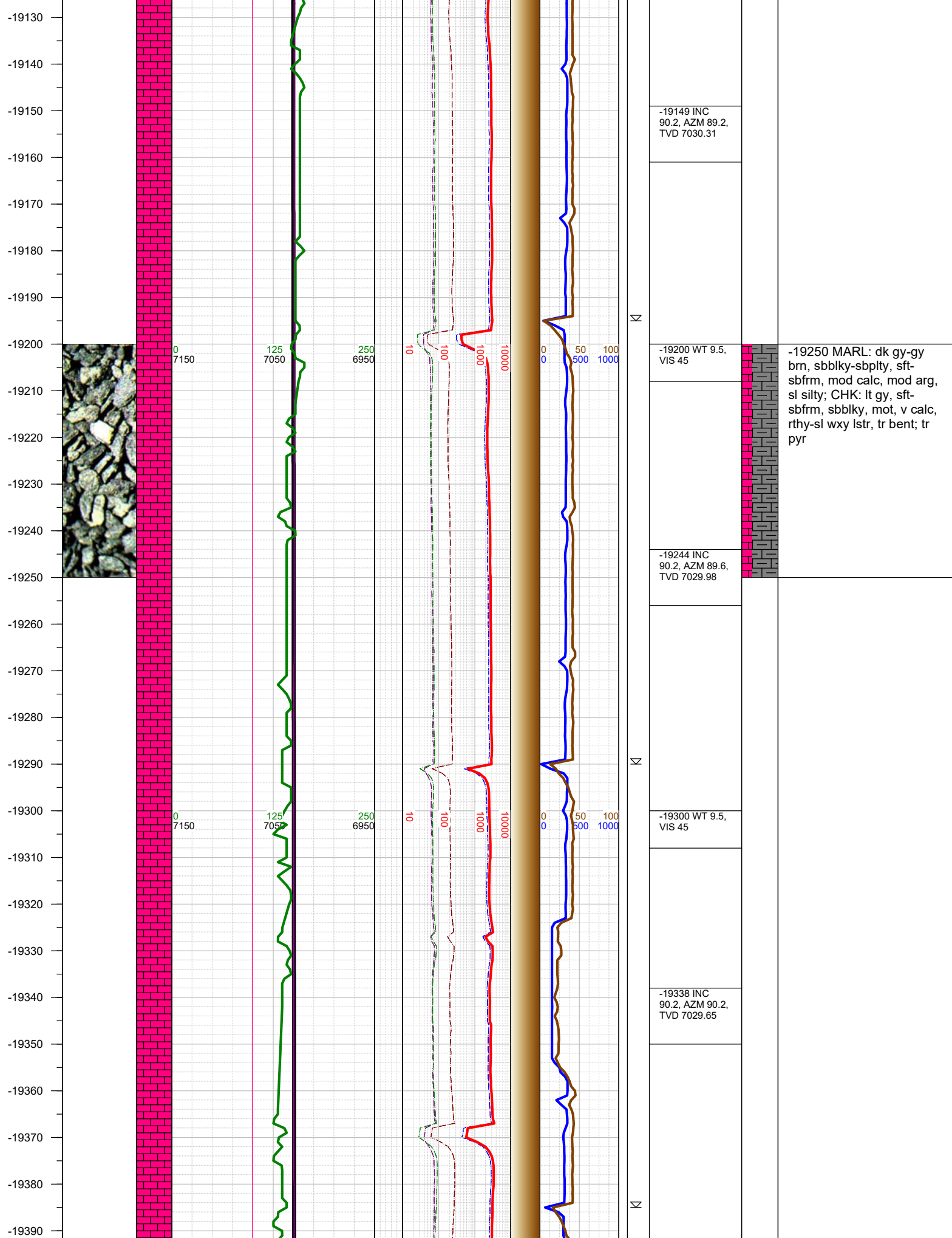
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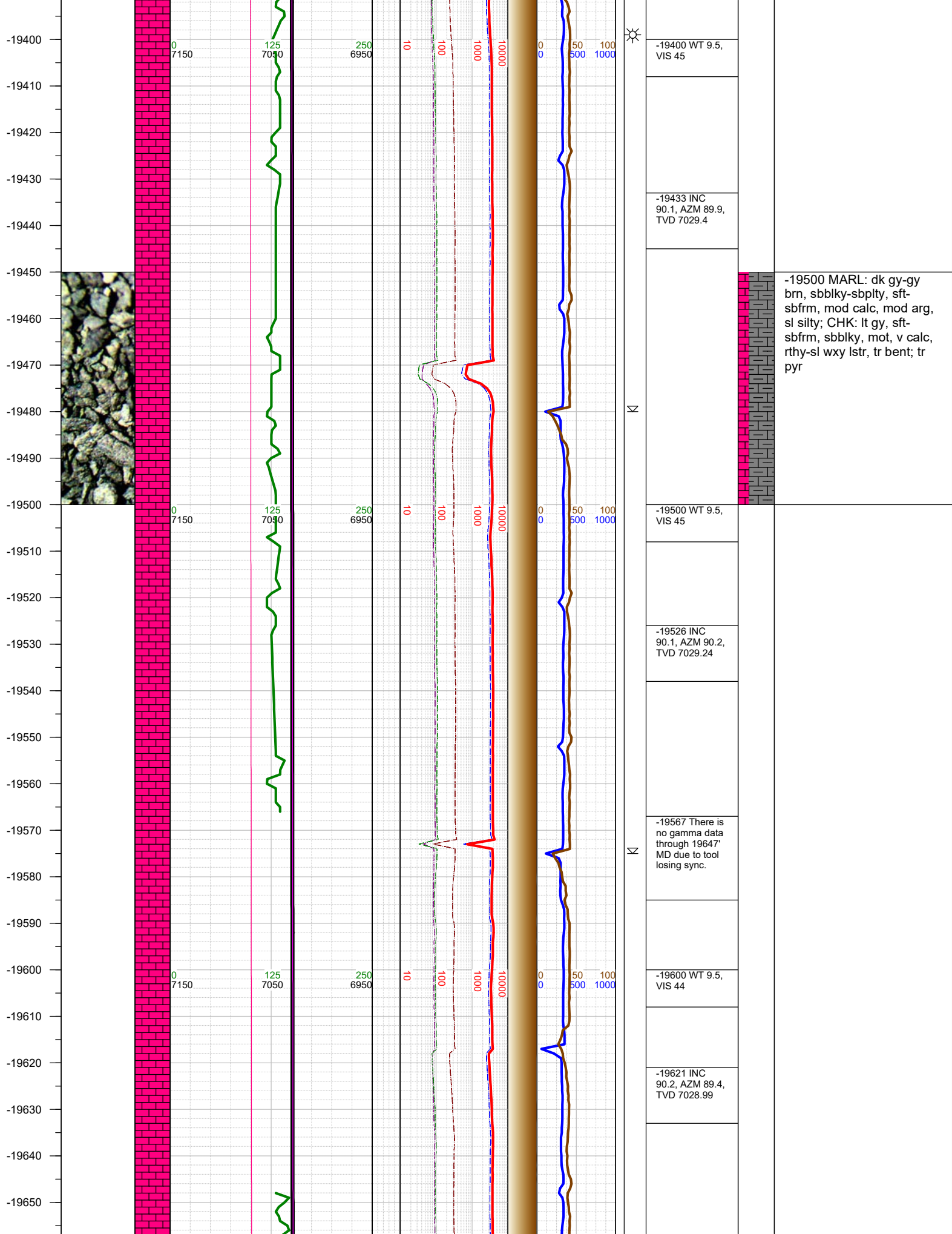
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-18600 WT 9.4, VIS 45
-18675 INC 90.2, AZM 88, TVD 7031.8
-18700 WT 9.4, VIS 45
-18770 INC 90.2, AZM 88.2, TVD 7031.47
-18800 WT 9.4, VIS 45

-18750 MARL: dk gy-gy
brn, sbblky-sbplty, sft-
sbfrm, v calc, mod arg, sl
silty; CHK: lt gy, sft-sbfrm,
sbblky, mot, v calc, rthy-sl
wxy lstr; tr bent; tr pyr; tr
fos frags; tr forams;







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-19700 WT 9.5,
VIS 44

-19715 INC
90.2, AZM 89.9,
TVD 7028.67

-19750 MARL: dk gy-gy
brn, sbblky-sbplty, sft-
sbfrm, mod calc, mod arg,
sl silty; CHK: lt gy, sft-
sbfrm, sbblky, mot, v calc,
rthy-sl wxy lstr, tr bent;

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-19800 WT 9.6,
VIS 45

-19809 INC
90.1, AZM 89.5,
TVD 7028.42

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0

50

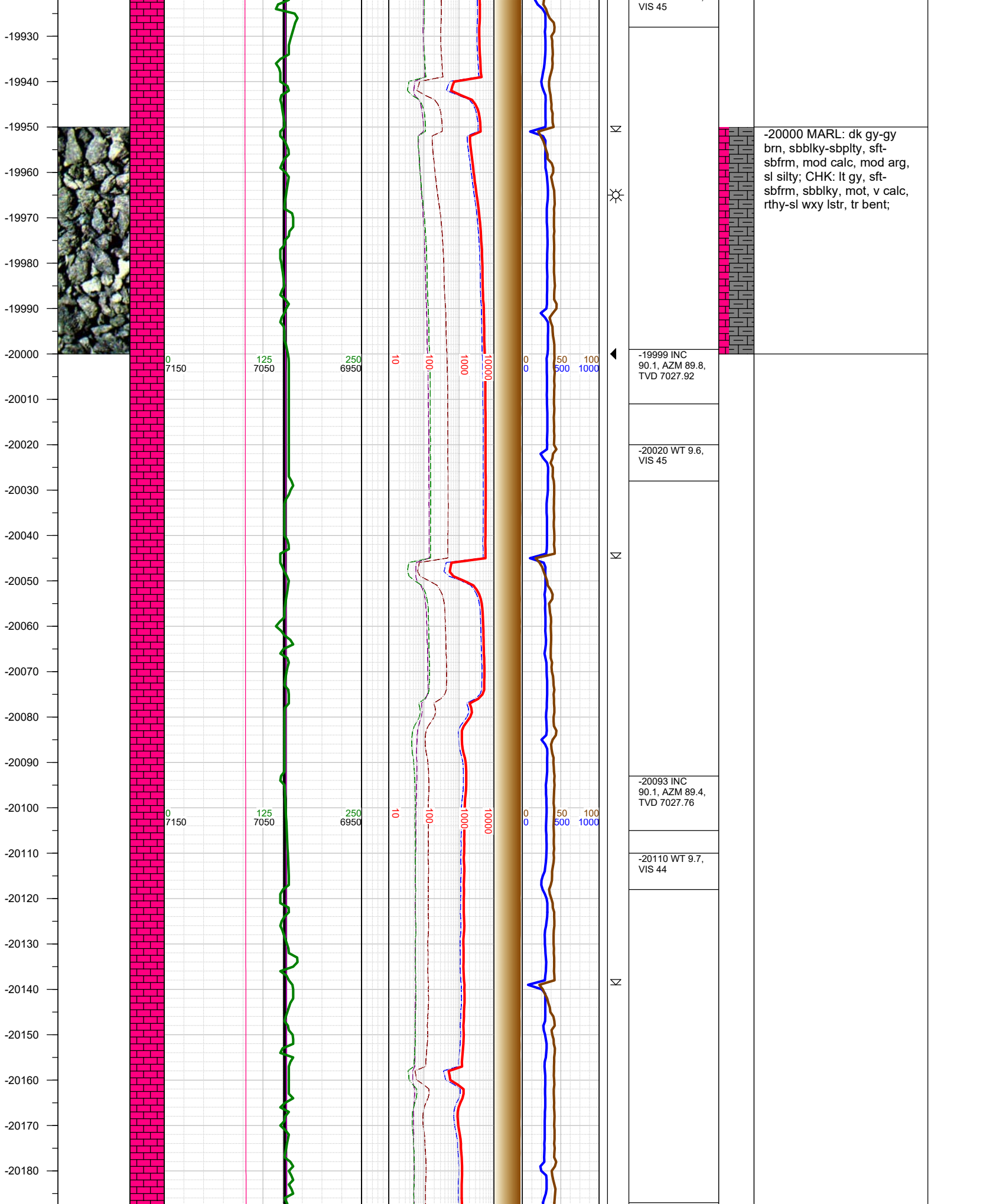
100

500

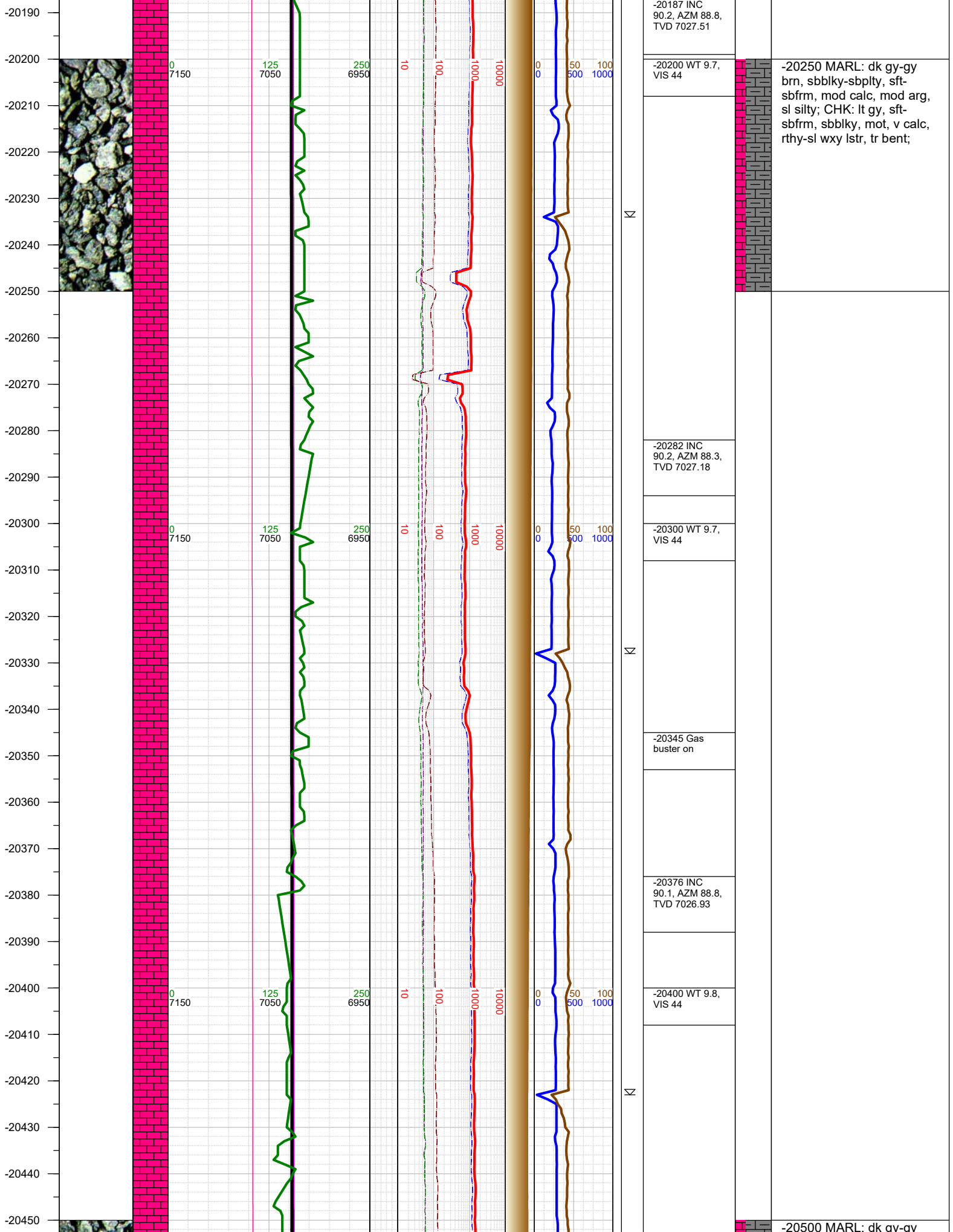
1000

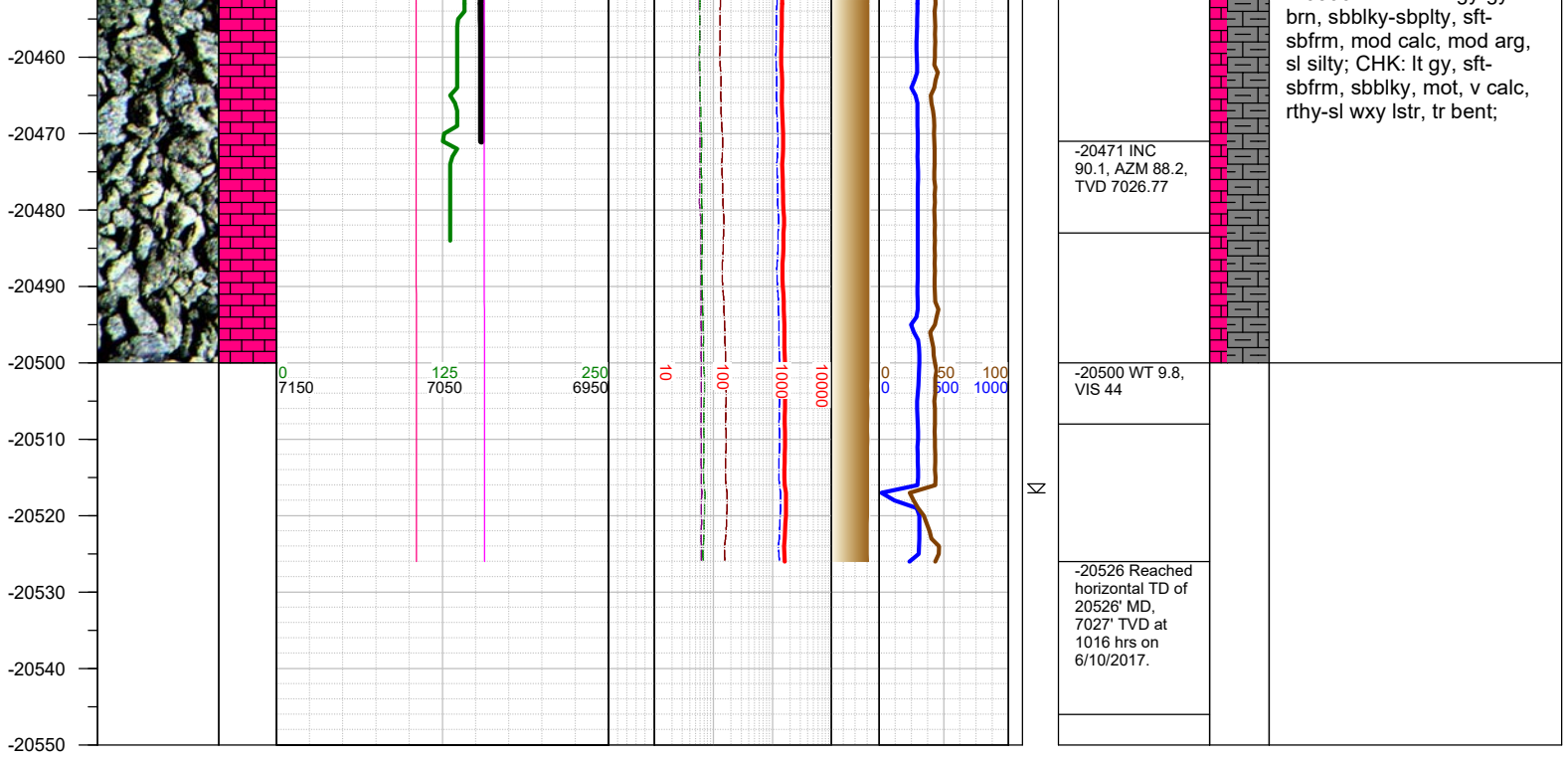
-19904 INC
90.2, AZM 89.6,
TVD 7028.17

-19920 WT 9.6,



-20000 MARL: dk gy-gy
brn, sbblky-sbplty, sft-
sbfrm, mod calc, mod arg,
sl silty; CHK: lt gy, sft-
sbfrm, sbblky, mot, v calc,
rthy-sl wxy lstr, tr bent;





TOTAL DEPTH = 20526'

Thank you for using Earth Science Agency