

OPERATOR: **Extraction Oil & Gas**

WELL NAME: **GP Cody 20E-15-3N**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Patterson 901

API #: 05-123-50282

LAT/LONG: 40.38996, -104.68251

SURFACE HOLE: NENE S20-T5N-R65W, 694' FNL, 1305' FEL

BOTTOM HOLE: S22-T5N-R65W, 642' FNL, 201' FWL



Earth Science Agency, LLC

COUNTY: Broomfield

STATE: Colorado

GROUND ELEVATION: 4673'

KELLY BUSHING: 4702'

DRILLING FLUID: OBM

TVD VS. MD: 6905' / 14267'

SPUD DATE: February 12, 2020

TD DATE: February 15, 2020

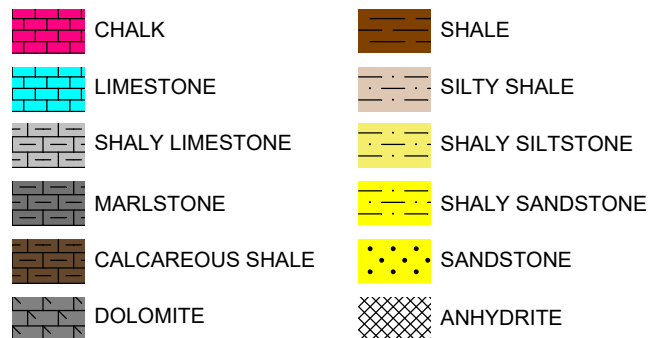
DEPTHS LOGGED: 3000' - 14267'

DATES LOGGED: February 12, 2020 - February 15, 2020

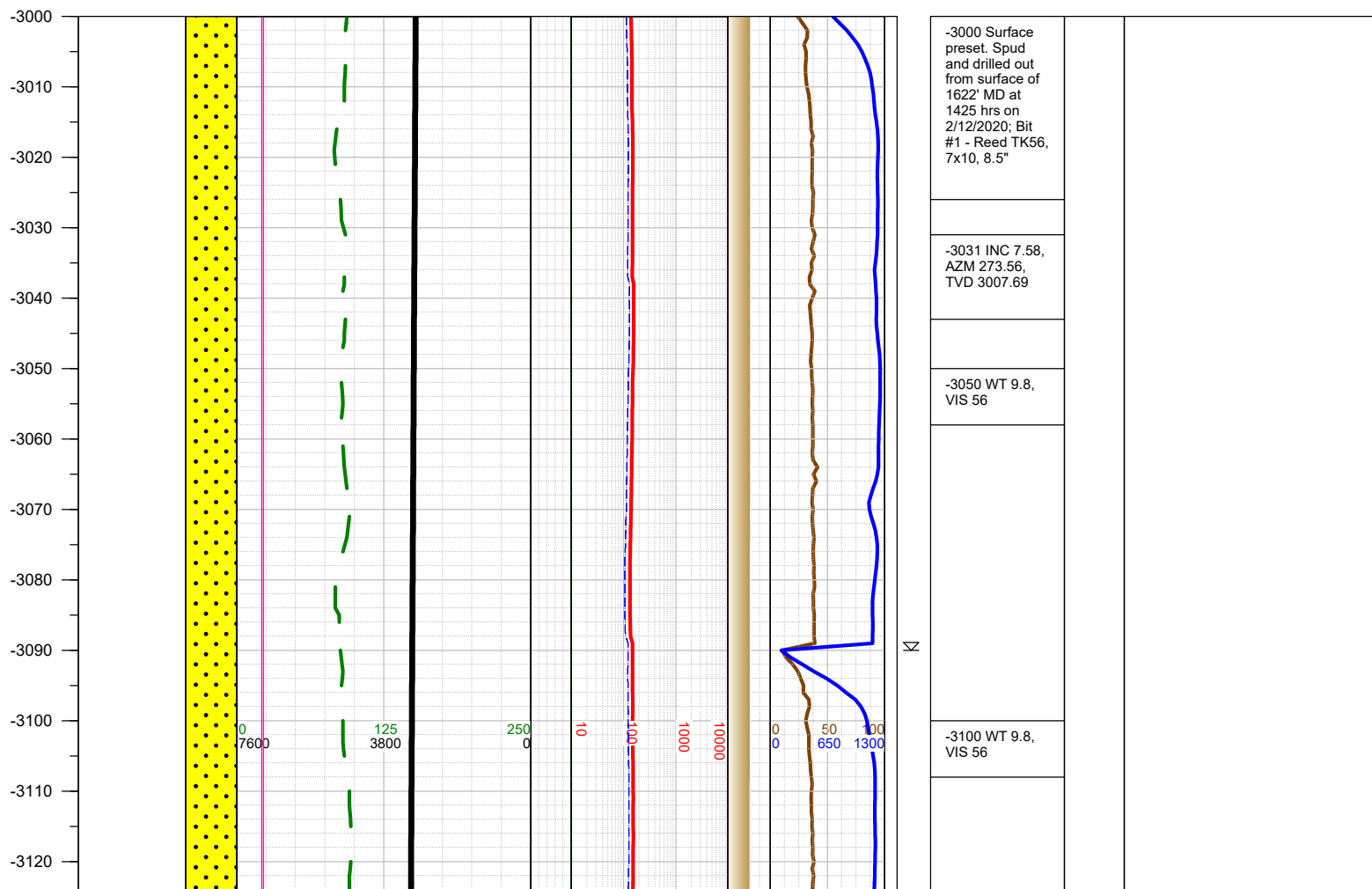
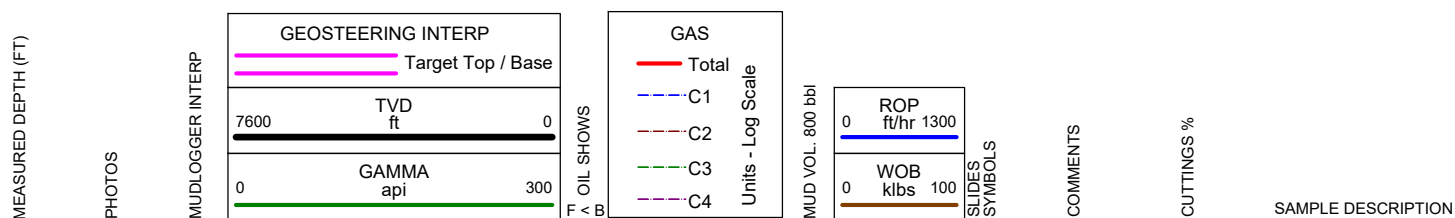
GEOLOGISTS: Kyle Newman, Dominic Pitre

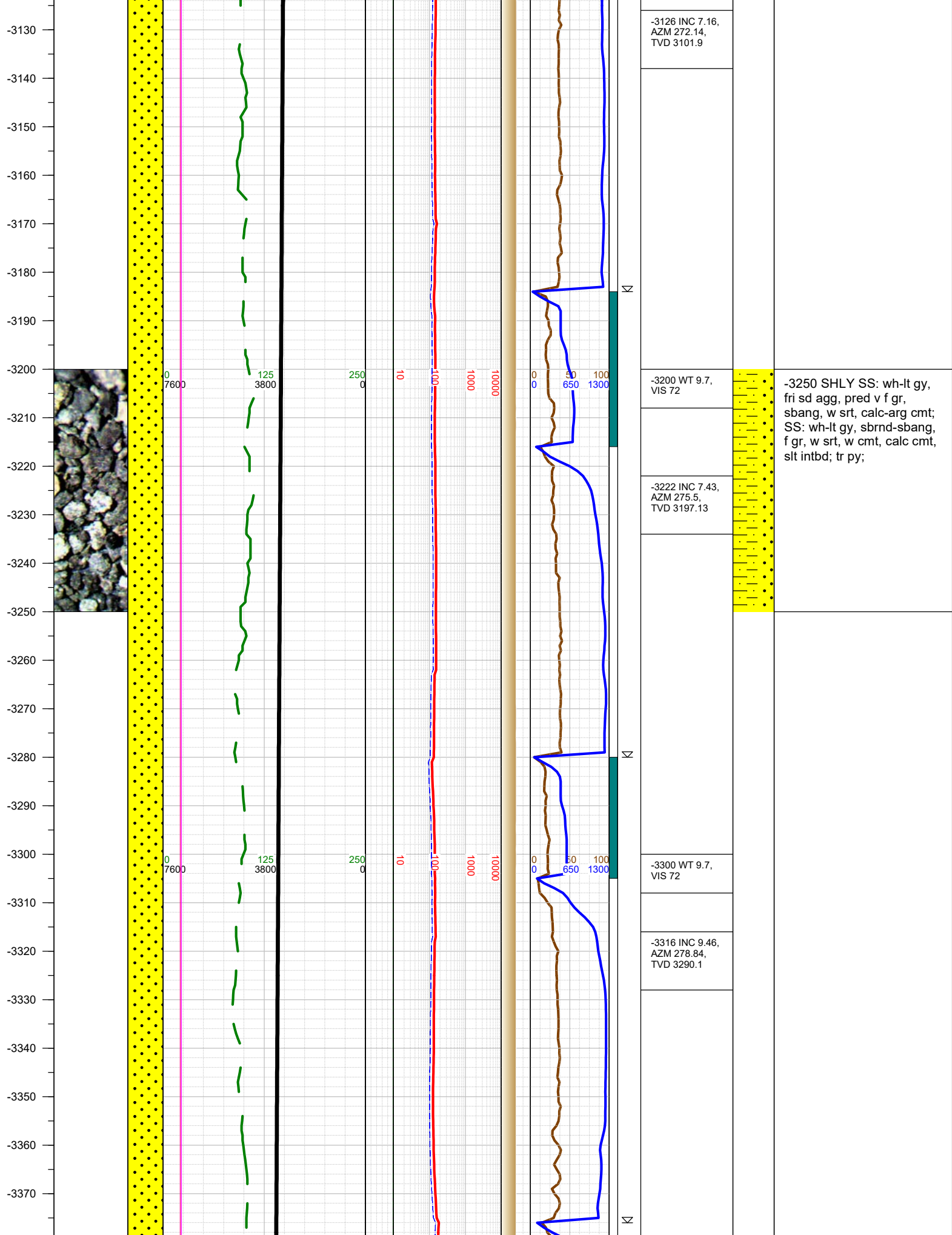
SCALE: 5" = 100'

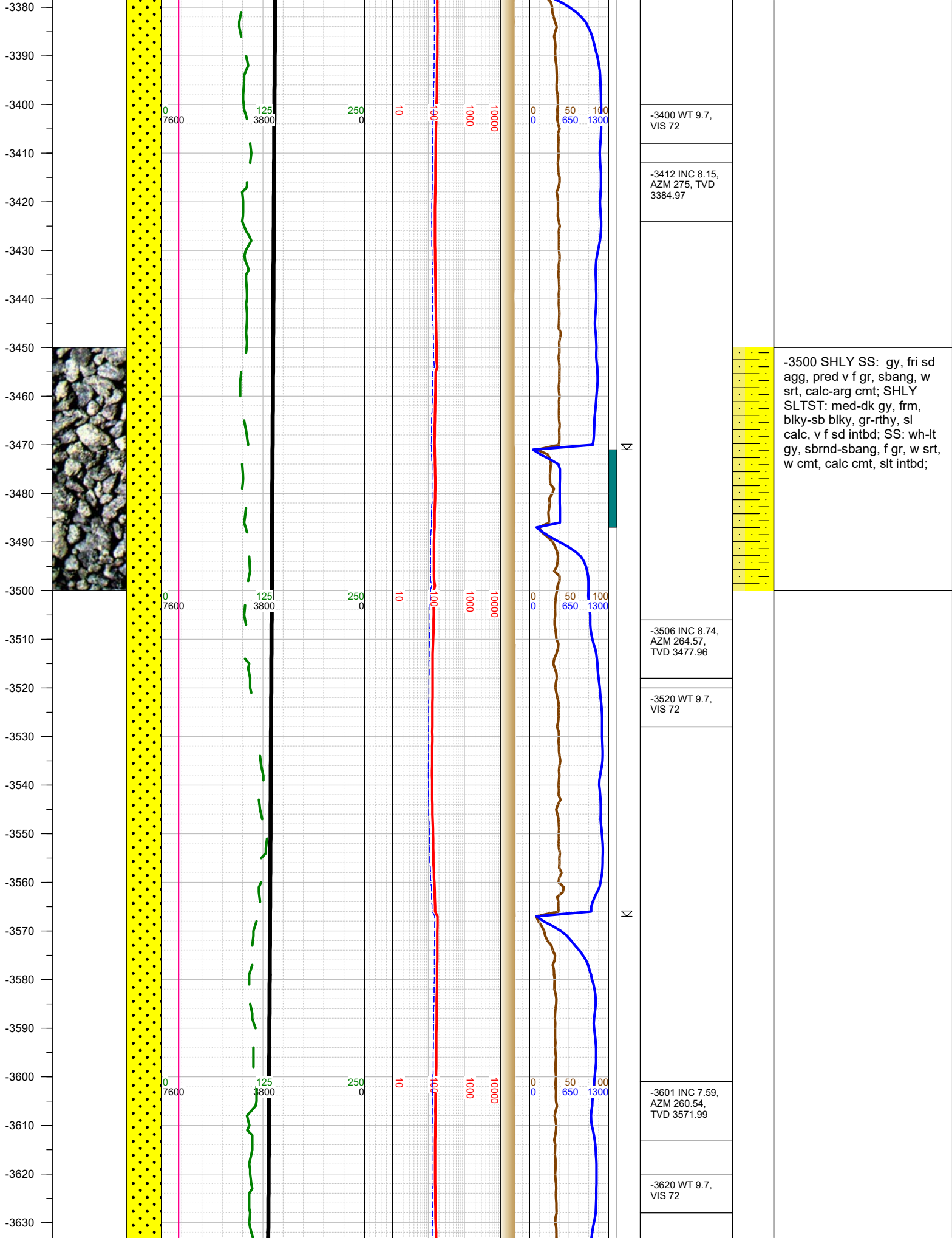
LEGEND

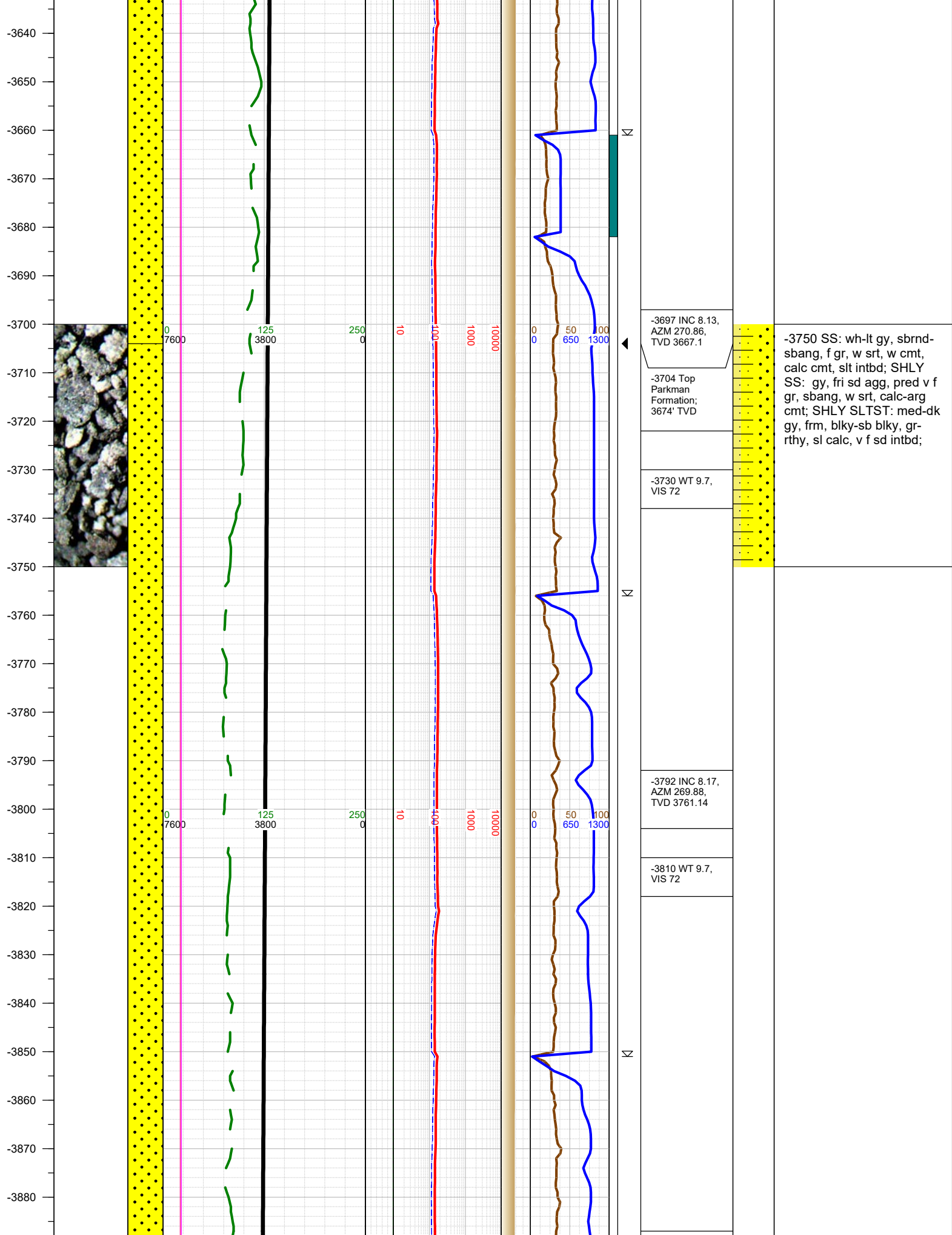


FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

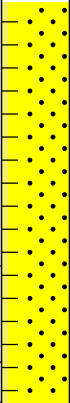
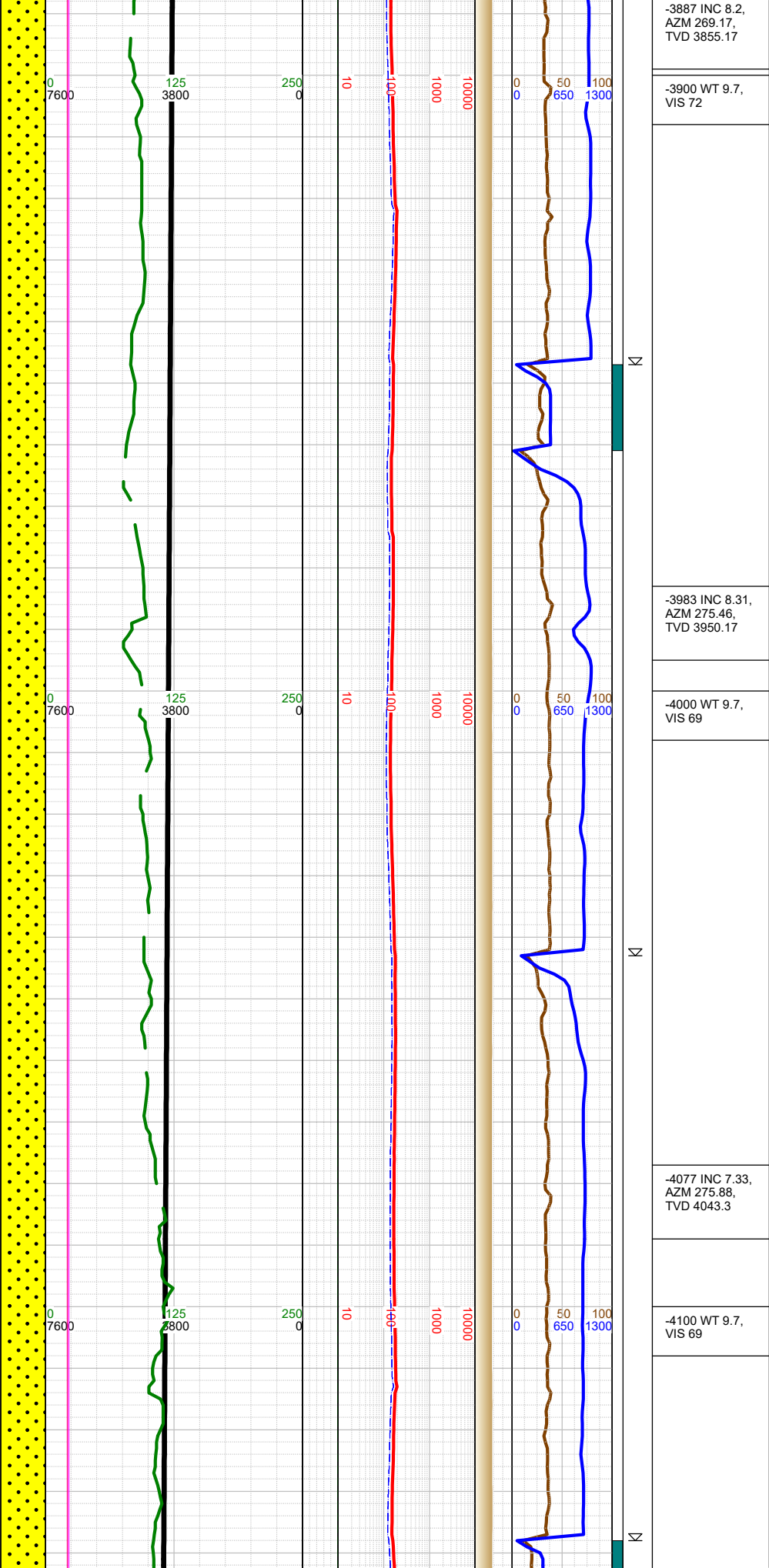








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-4100
-4110
-4120
-4130
-4140



-4000 SS: wh-lt gy, sbrnd-sbang, f gr, w srt, w cmt, calc cmt, slt intbd; SHLY SS: gy, fri sd agg, pred v f gr, sbang, w srt, calc-arg cmt; SHLY SLTST: med-dk gy, frm, blk-y-sb blk-y, gr-rthy, sl calc, v f sd intbd;

-3887 INC 8.2,
AZM 269.17,
TVD 3855.17

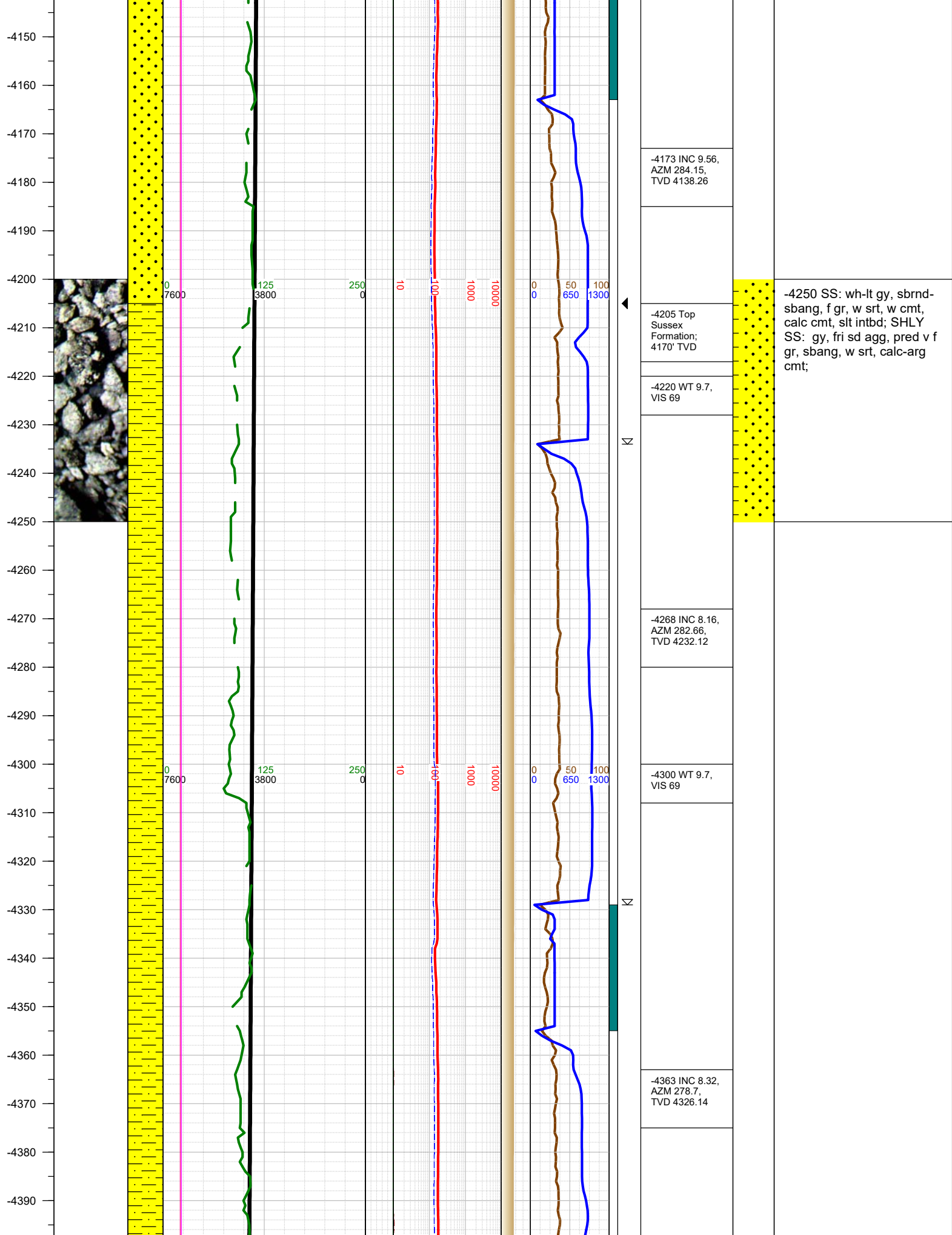
-3900 WT 9.7,
VIS 72

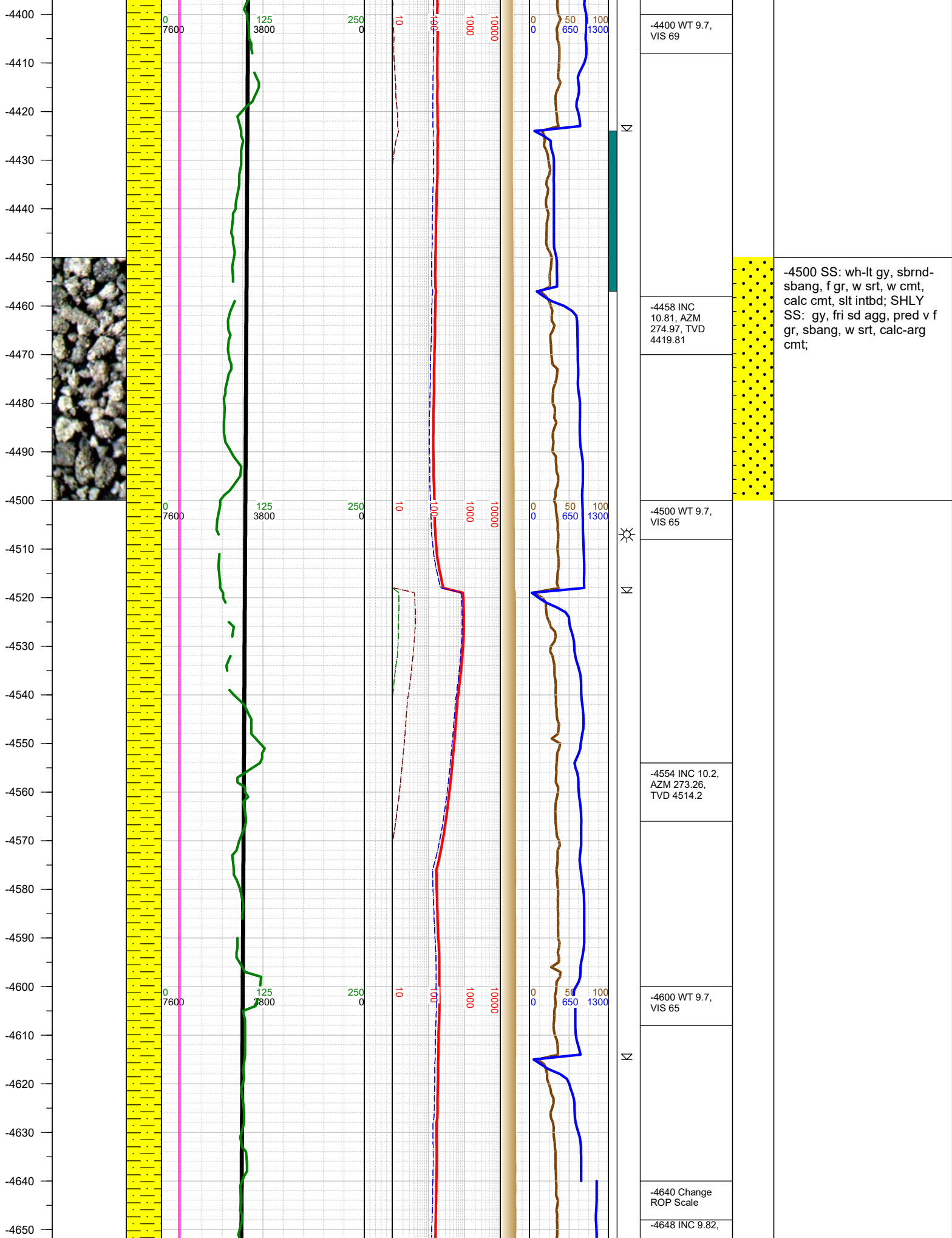
-3983 INC 8.31,
AZM 275.46,
TVD 3950.17

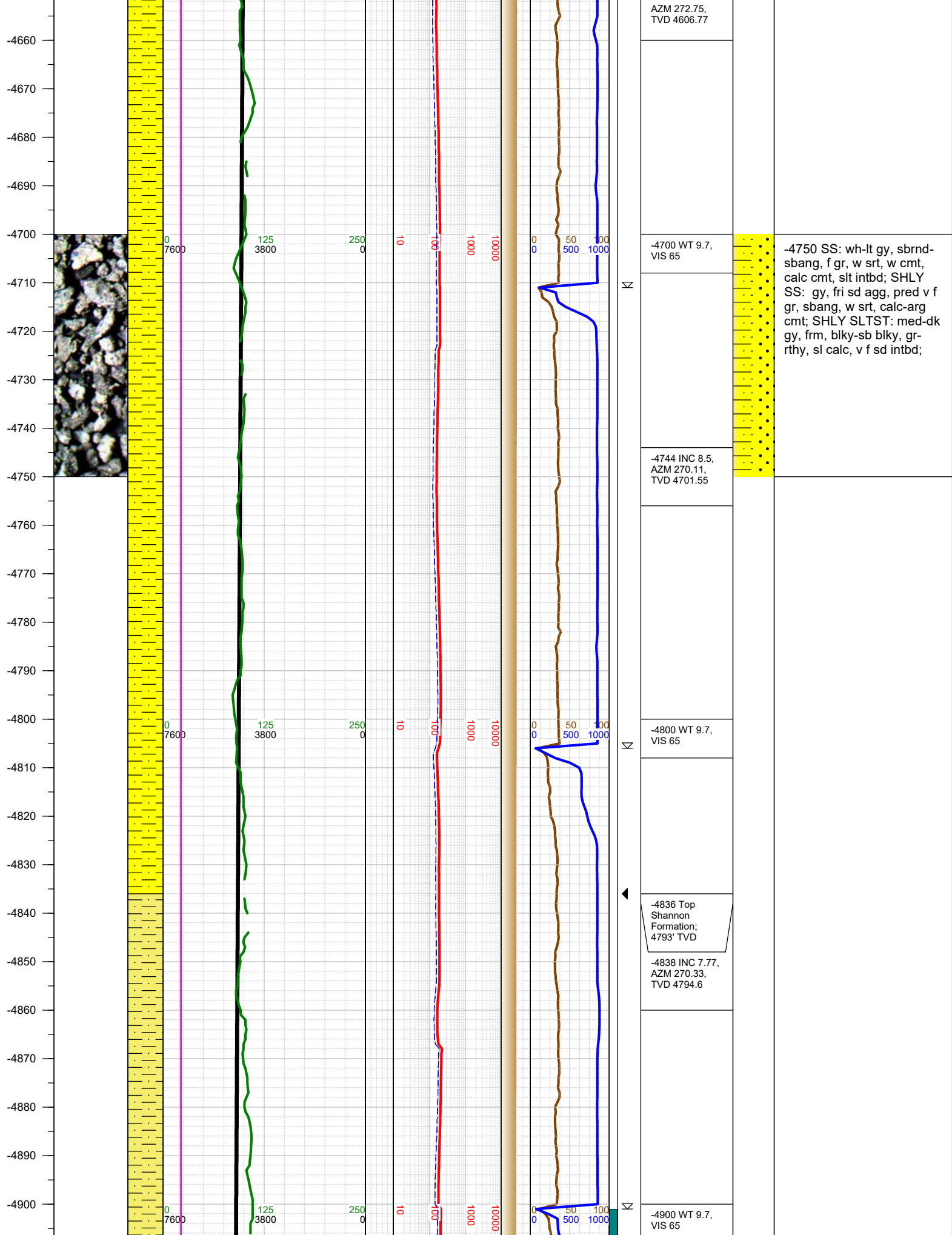
-4000 WT 9.7,
VIS 69

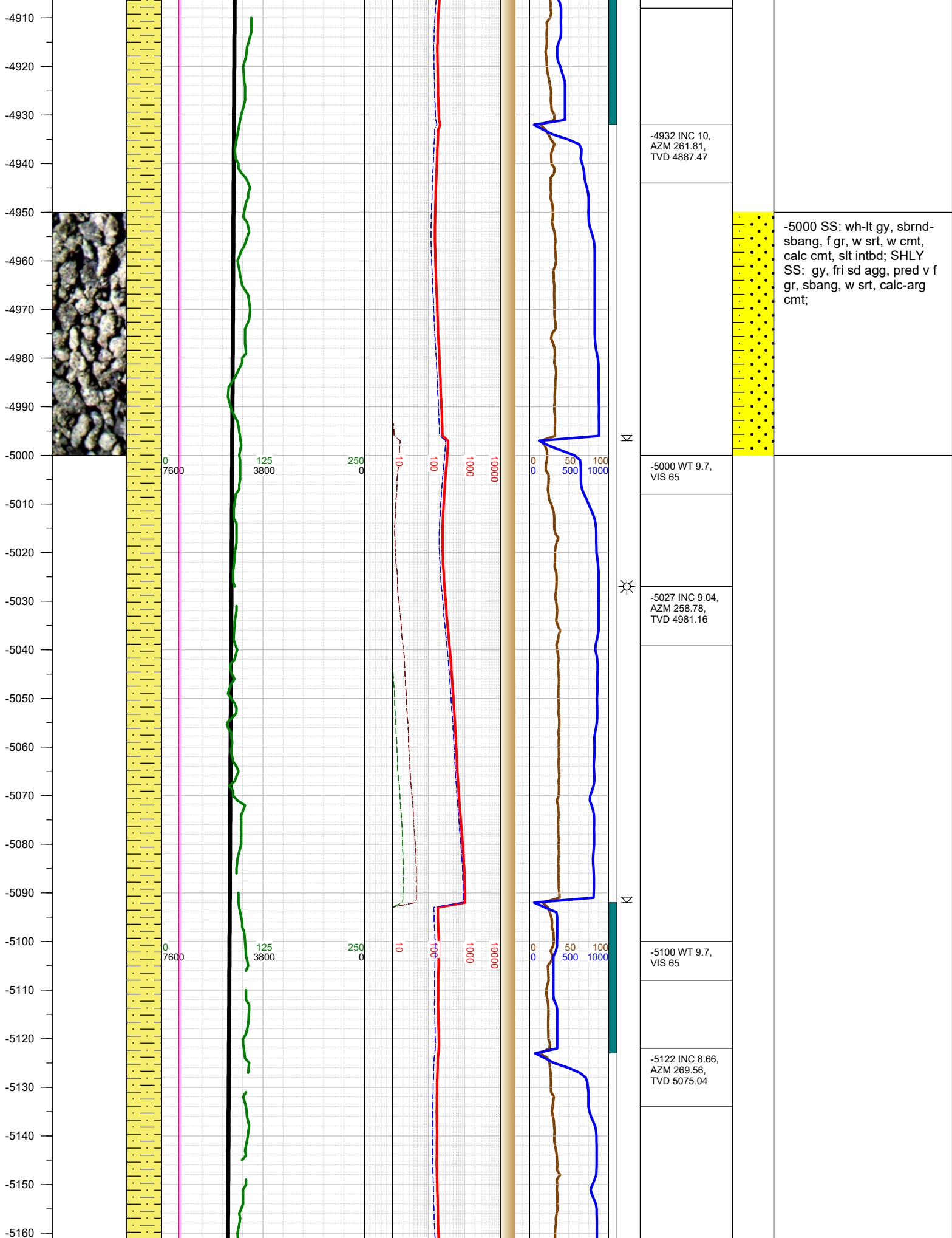
-4077 INC 7.33,
AZM 275.88,
TVD 4043.3

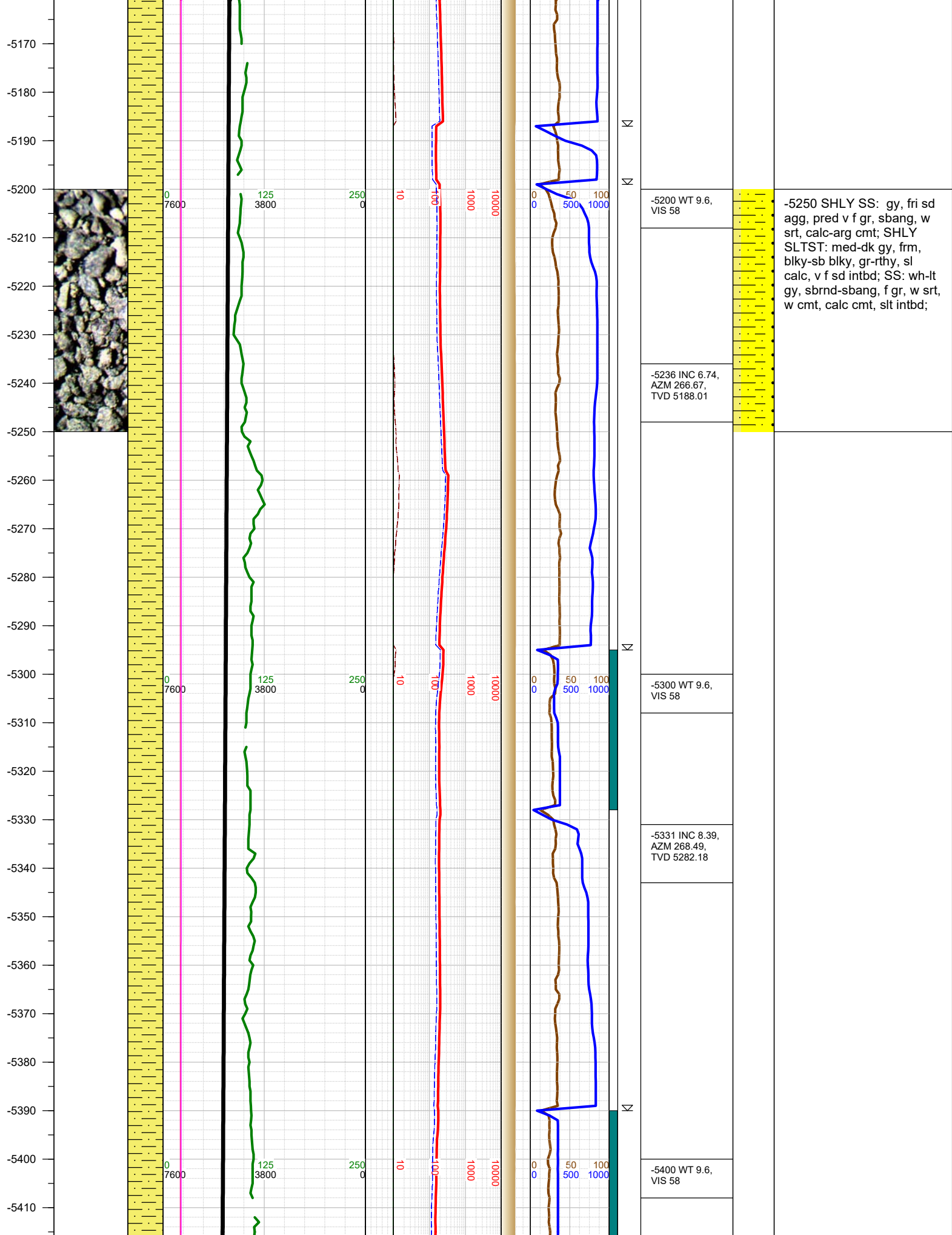
-4100 WT 9.7,
VIS 69



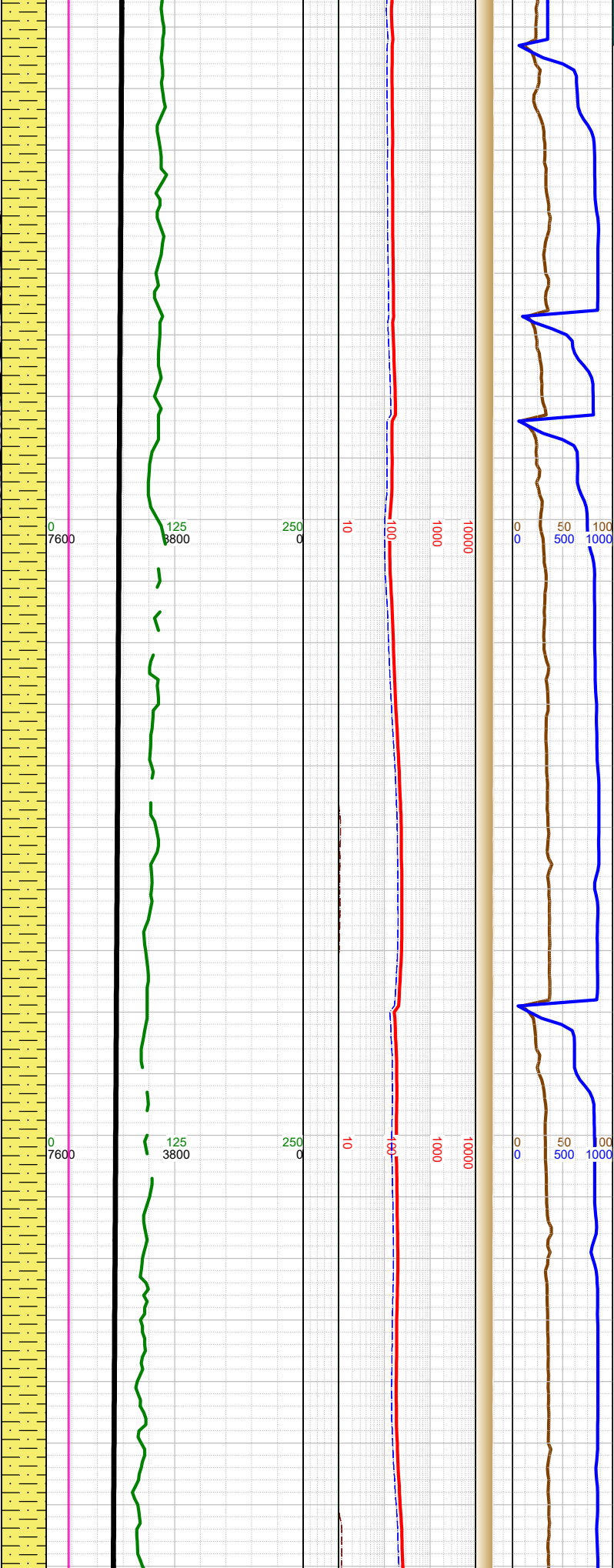
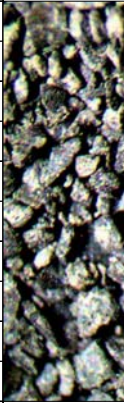








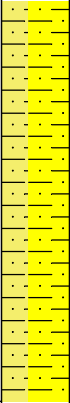
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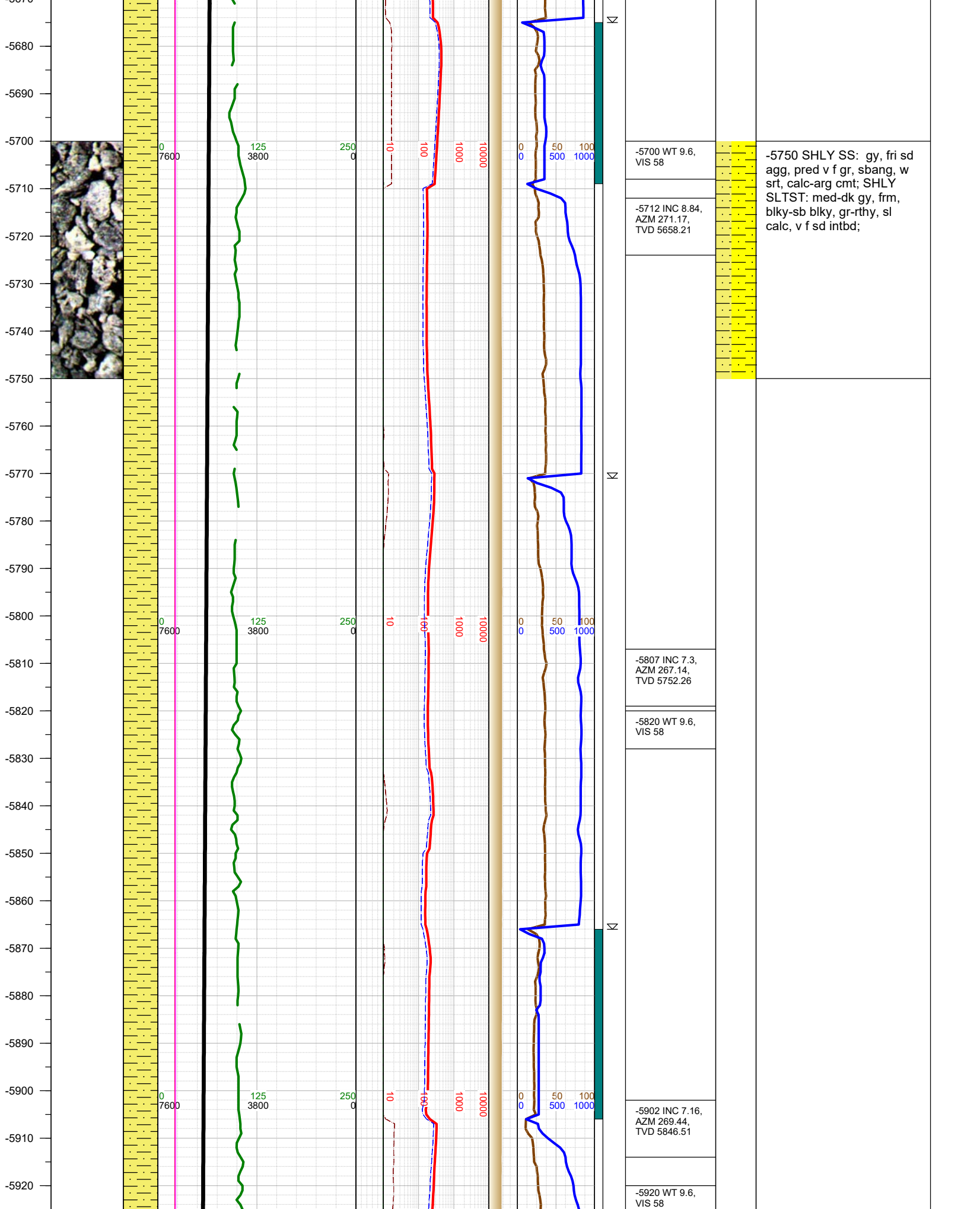
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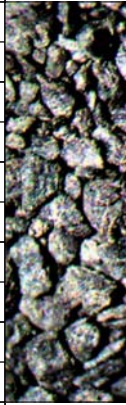
-5427 INC 11, AZM 272.44, TVD 5376.8
-5500 WT 9.6, VIS 58
-5522 INC 9.49, AZM 270.67, TVD 5470.28
-5600 WT 9.6, VIS 58
-5617 INC 7.74, AZM 270.52, TVD 5564.2



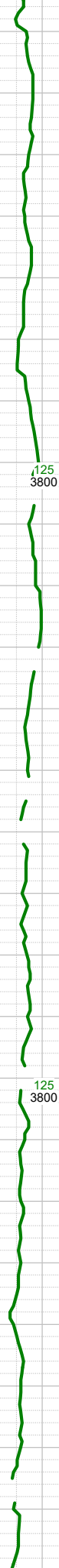
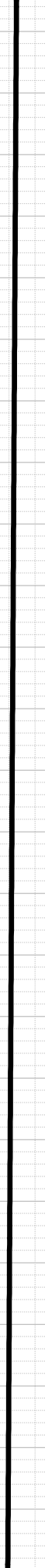
-5500 SHLY SS: gy, fri sd
agg, pred v f gr, sbang, w
srt, calc-arg cmt; SHLY
SLTST: med-dk gy, frm,
blky-sb blky, gr-rthy, sl
calc, v f sd intbd;



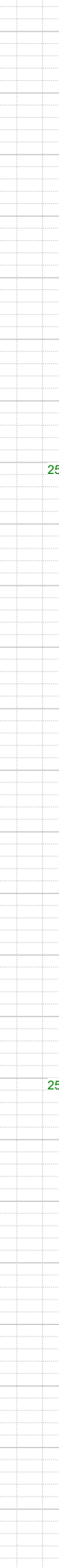
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-5990
-6000
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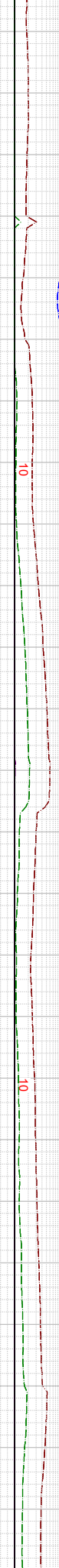
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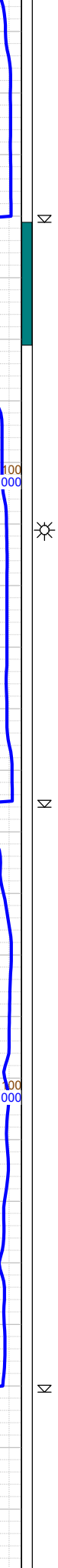
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-5998 INC 7.81,
AZM 270.55,
TVD 5941.69

-6010 WT 9.6,
VIS 58

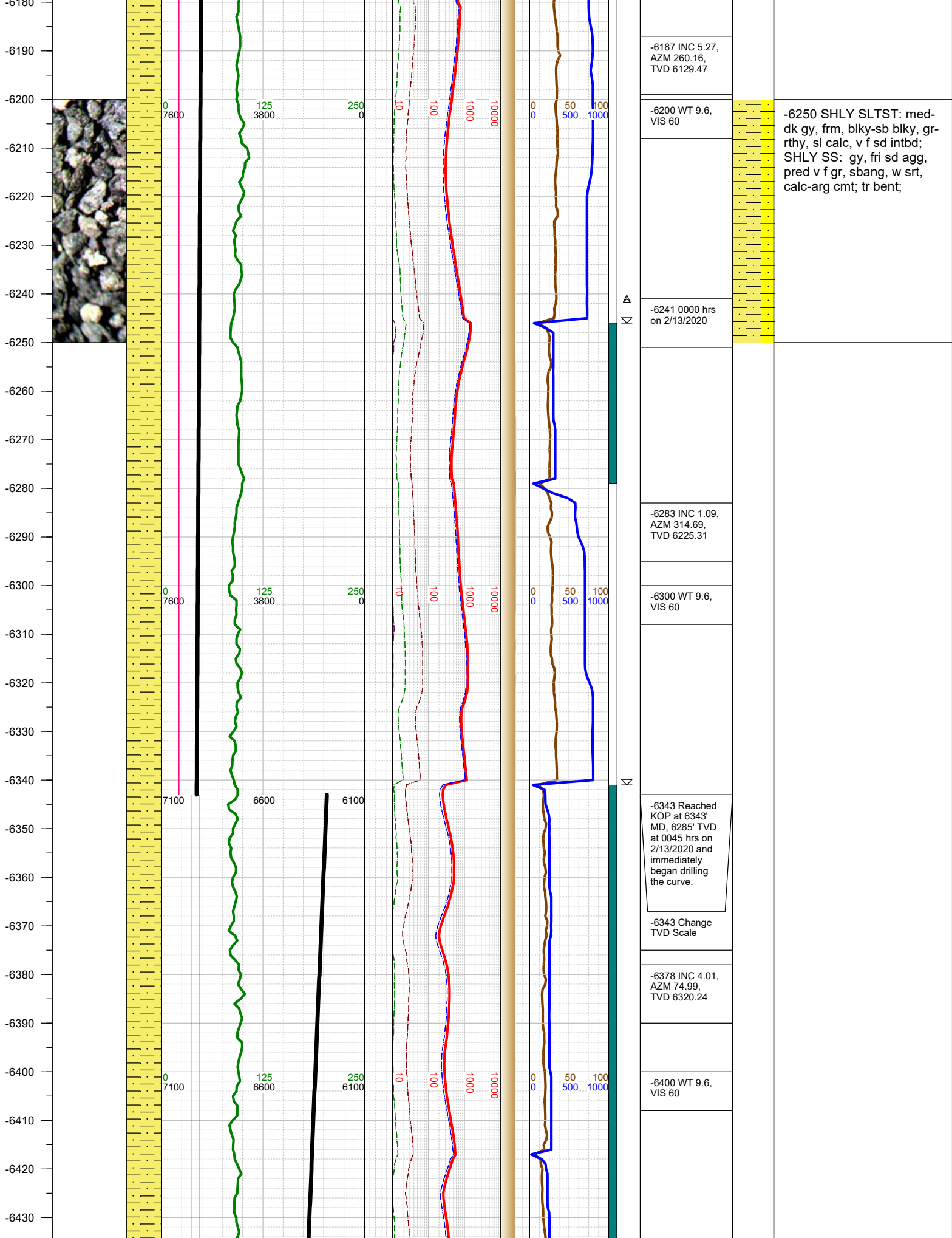


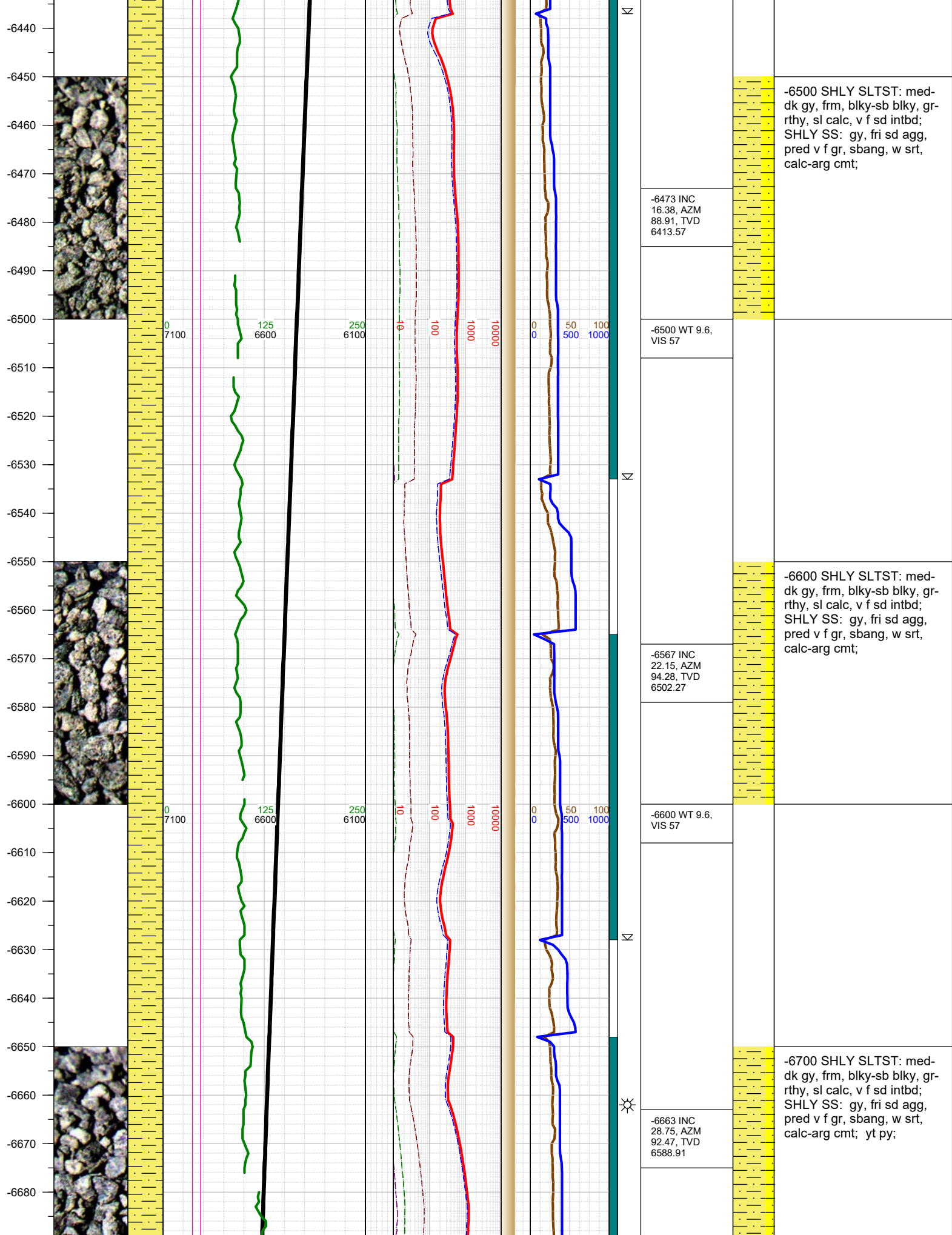
-6092 INC 6.42,
AZM 267.56,
TVD 6034.96

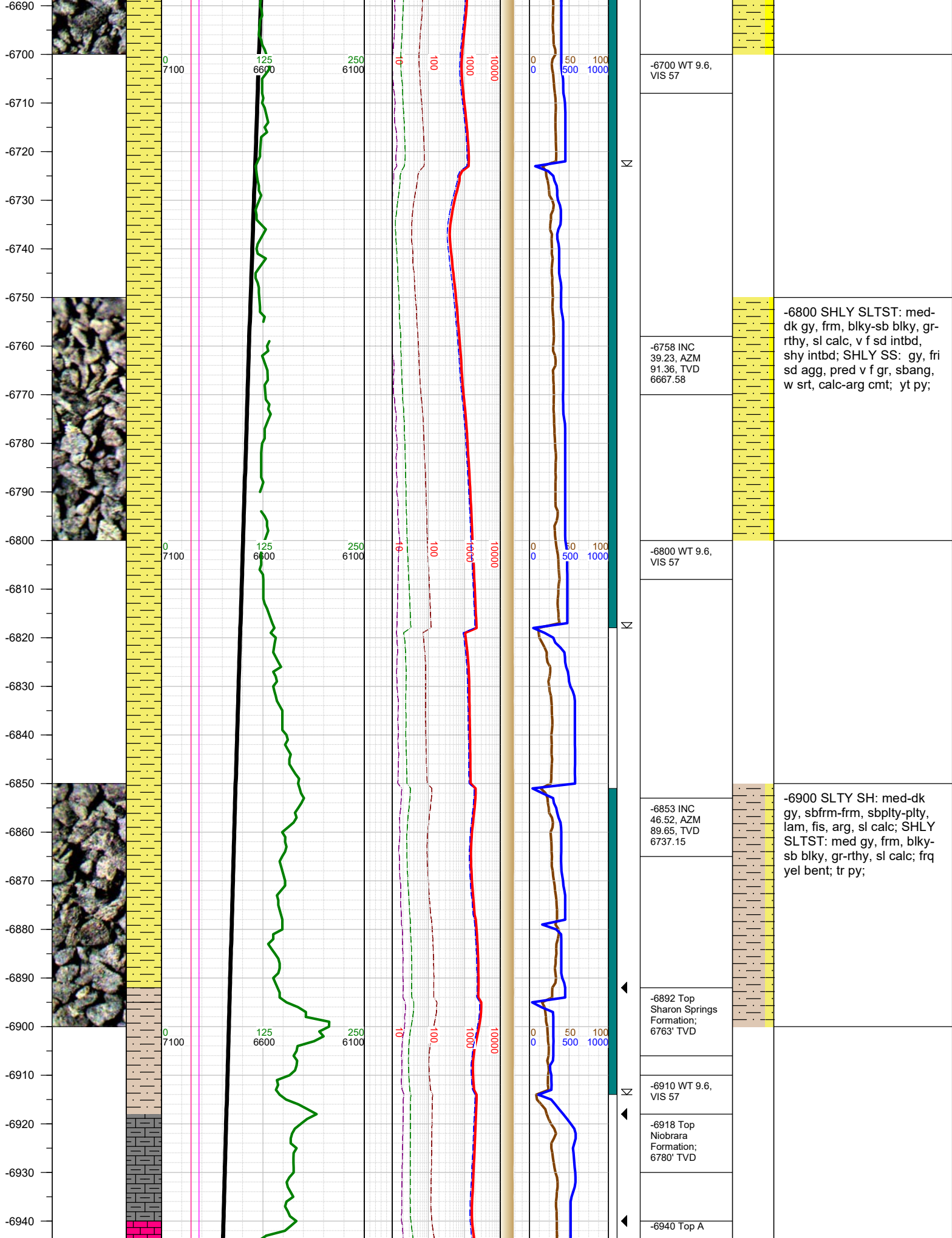
-6110 WT 9.6,
VIS 58

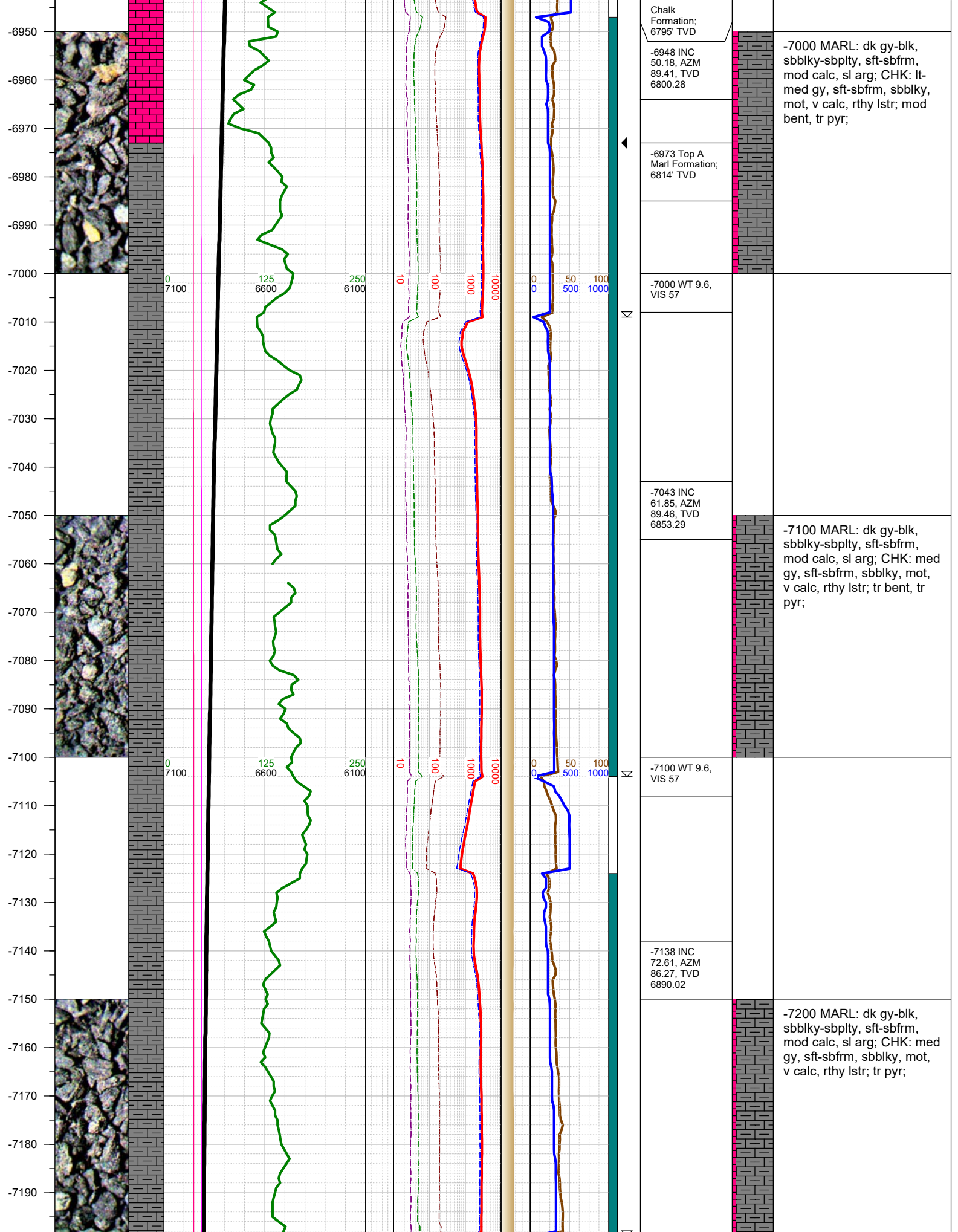


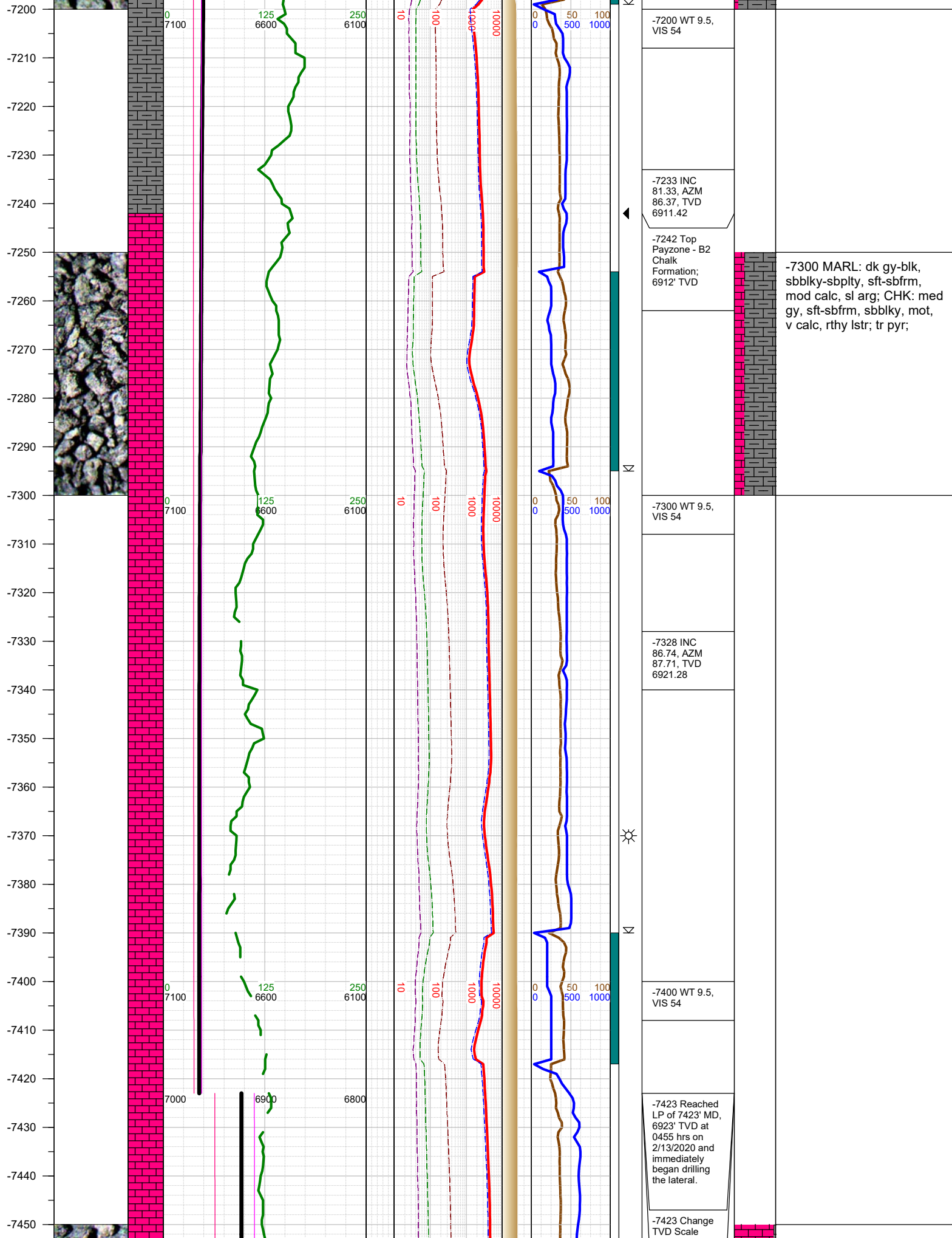
-6000 SHLY SLTST: med-
dk gy, frm, blk-y-sb blk-y, gr-
rthy, sl calc, v f sd intbd;
SHLY SS: gy, fri sd agg,
pred v f gr, sbang, w srt,
calc-arg cmt;

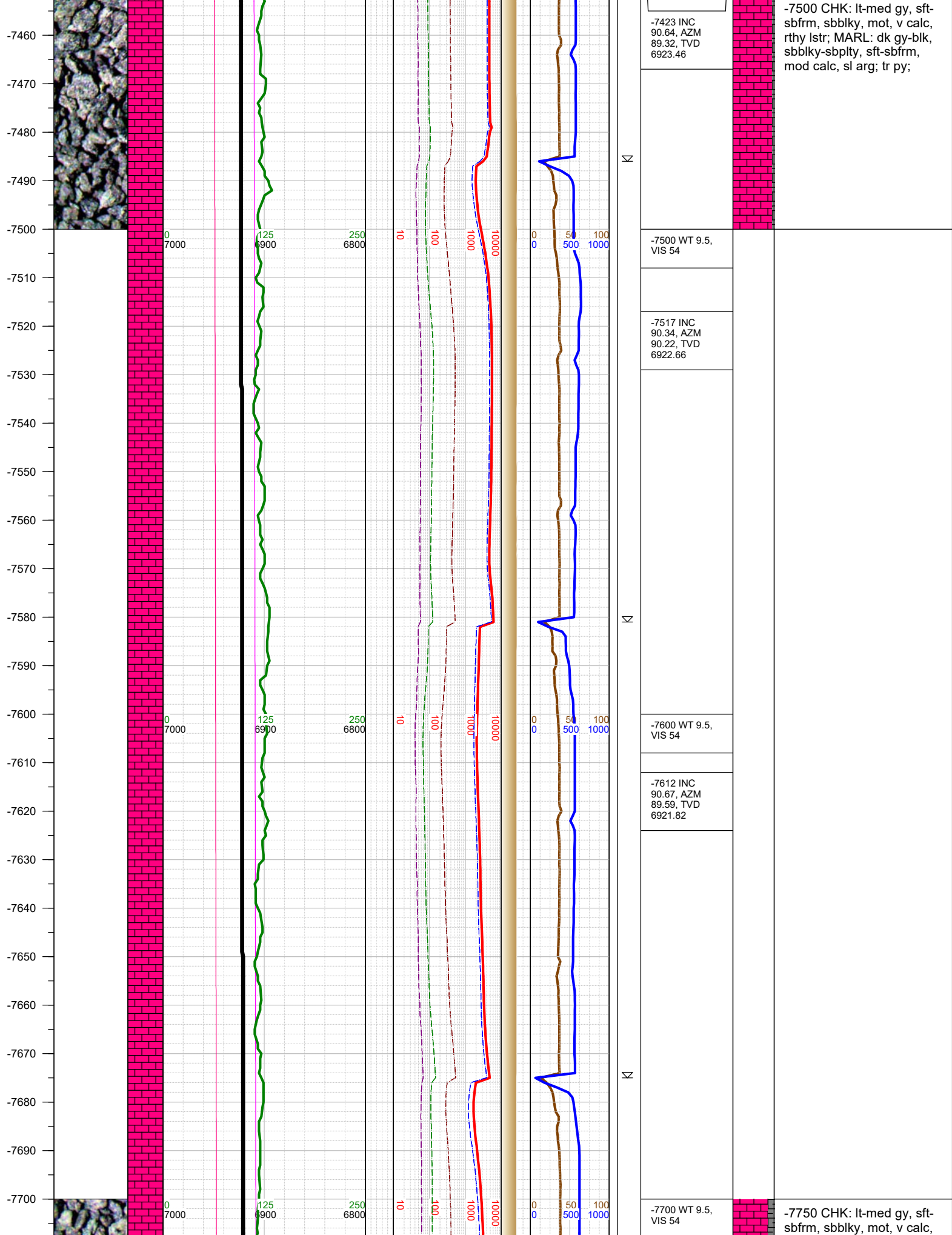


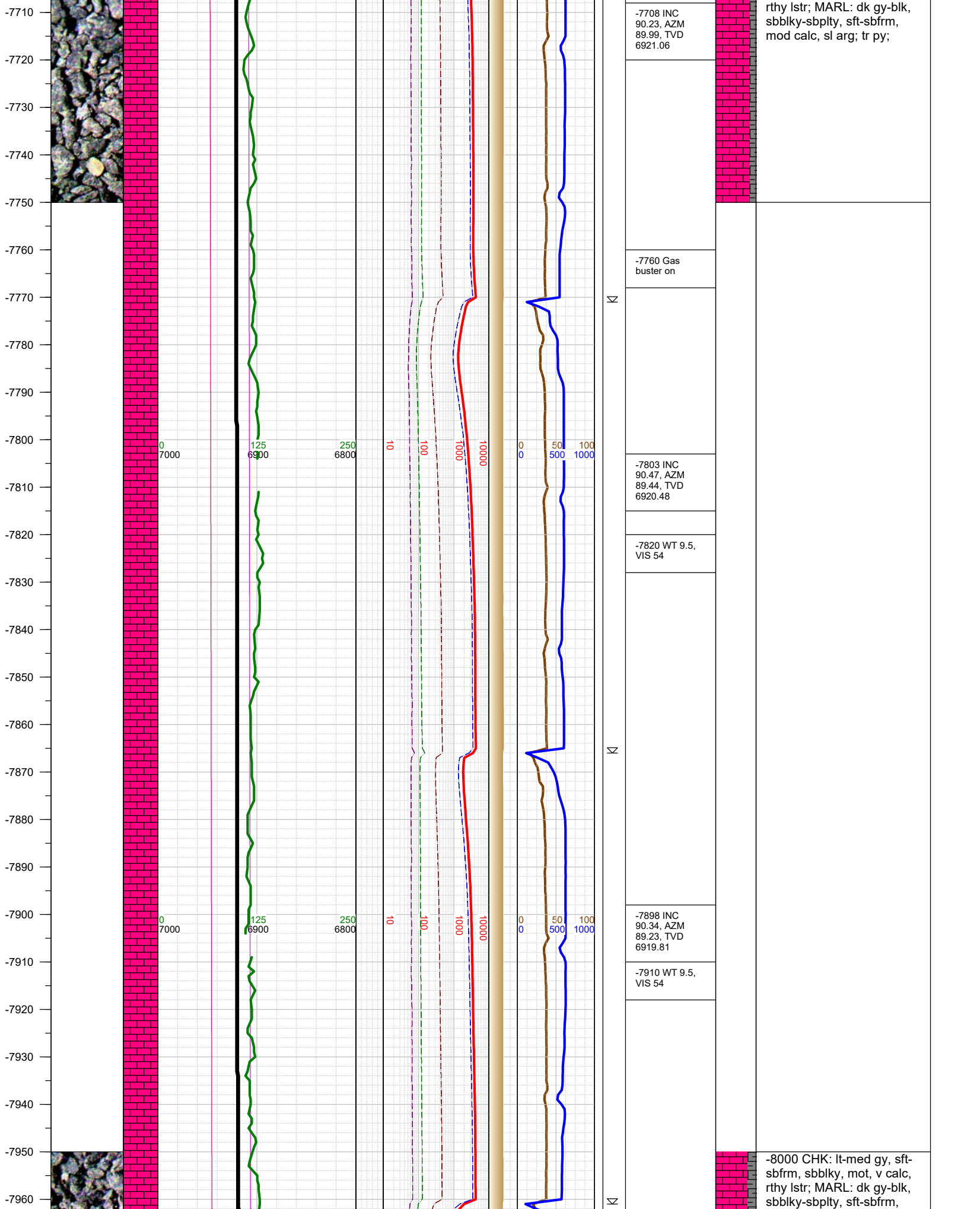


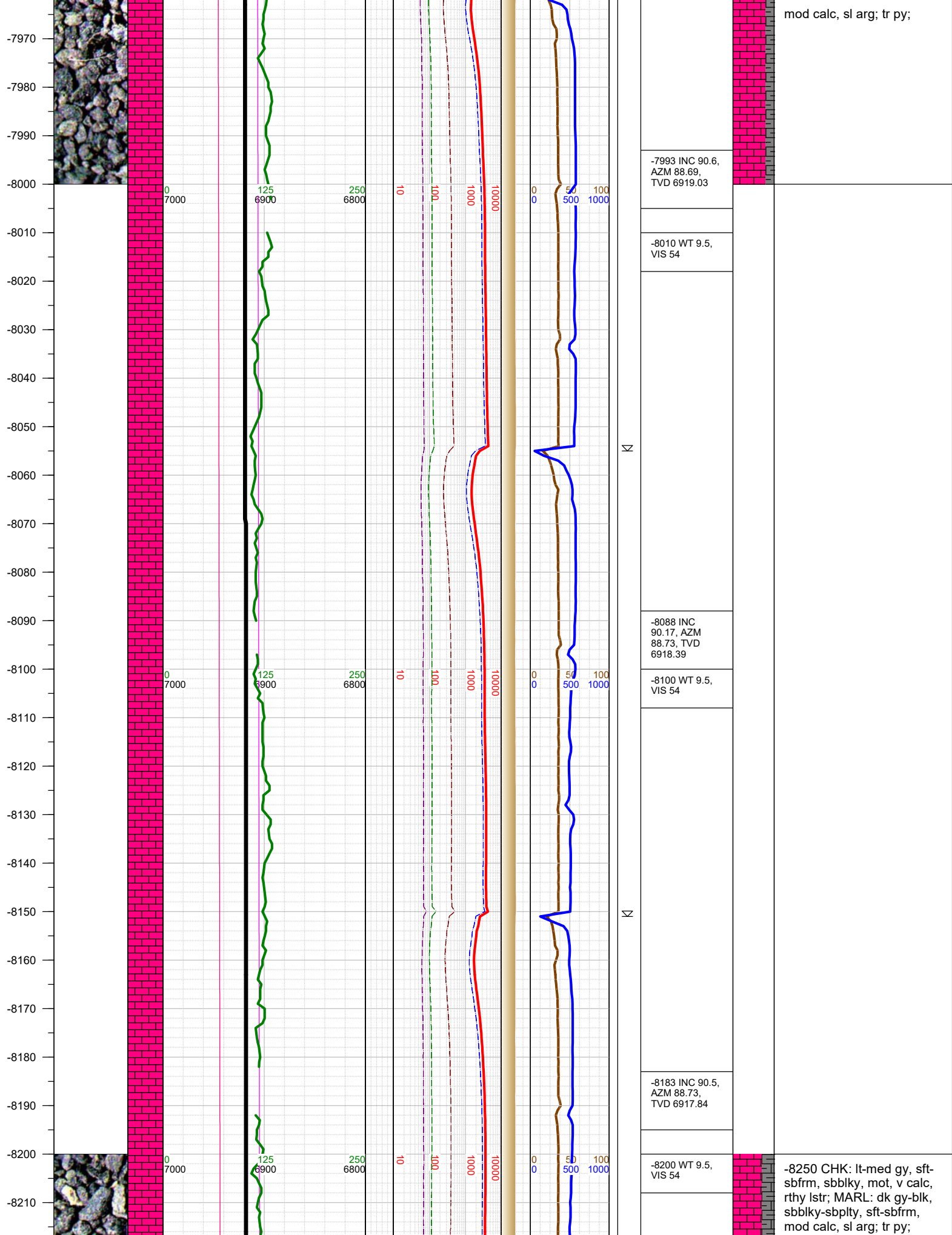


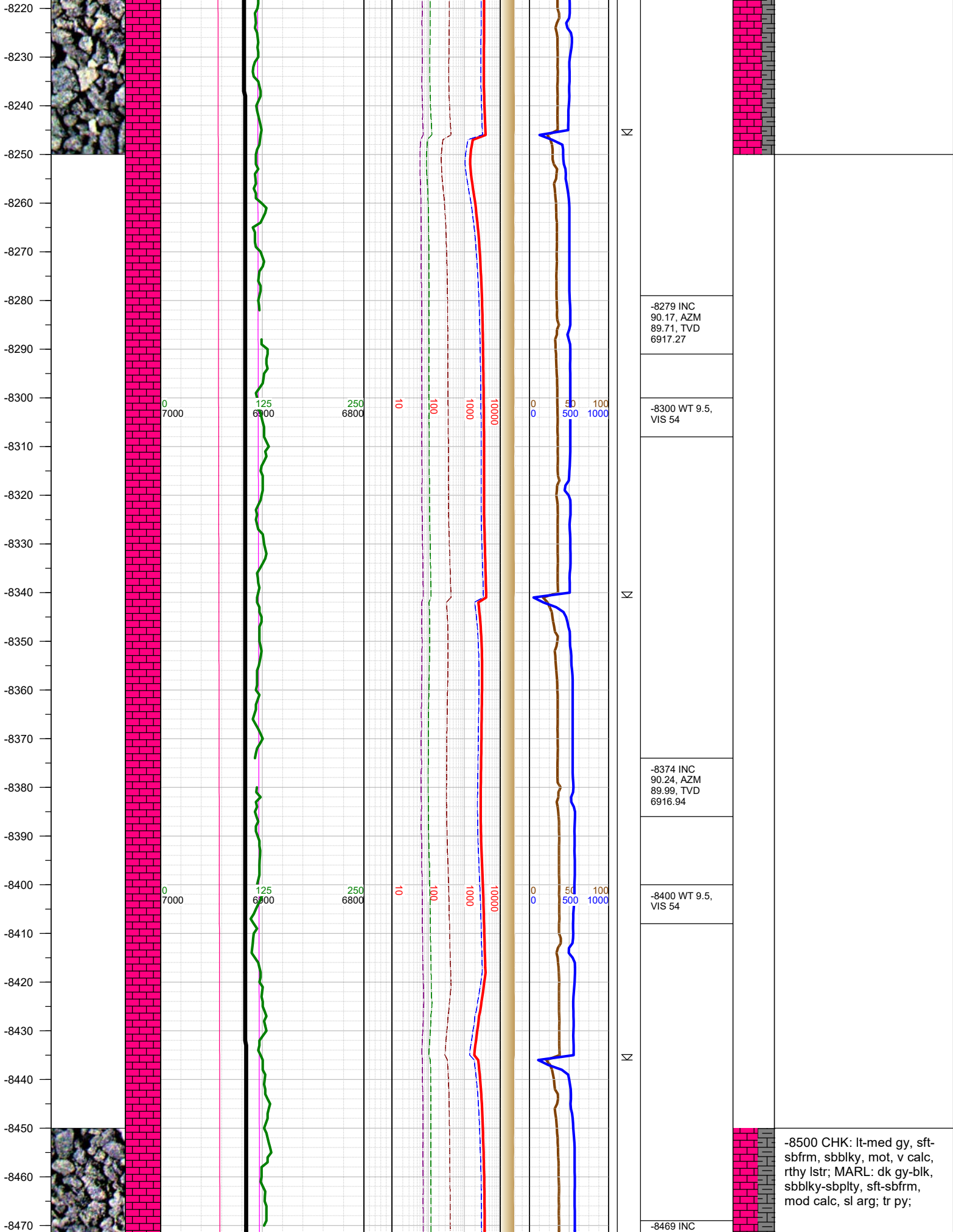


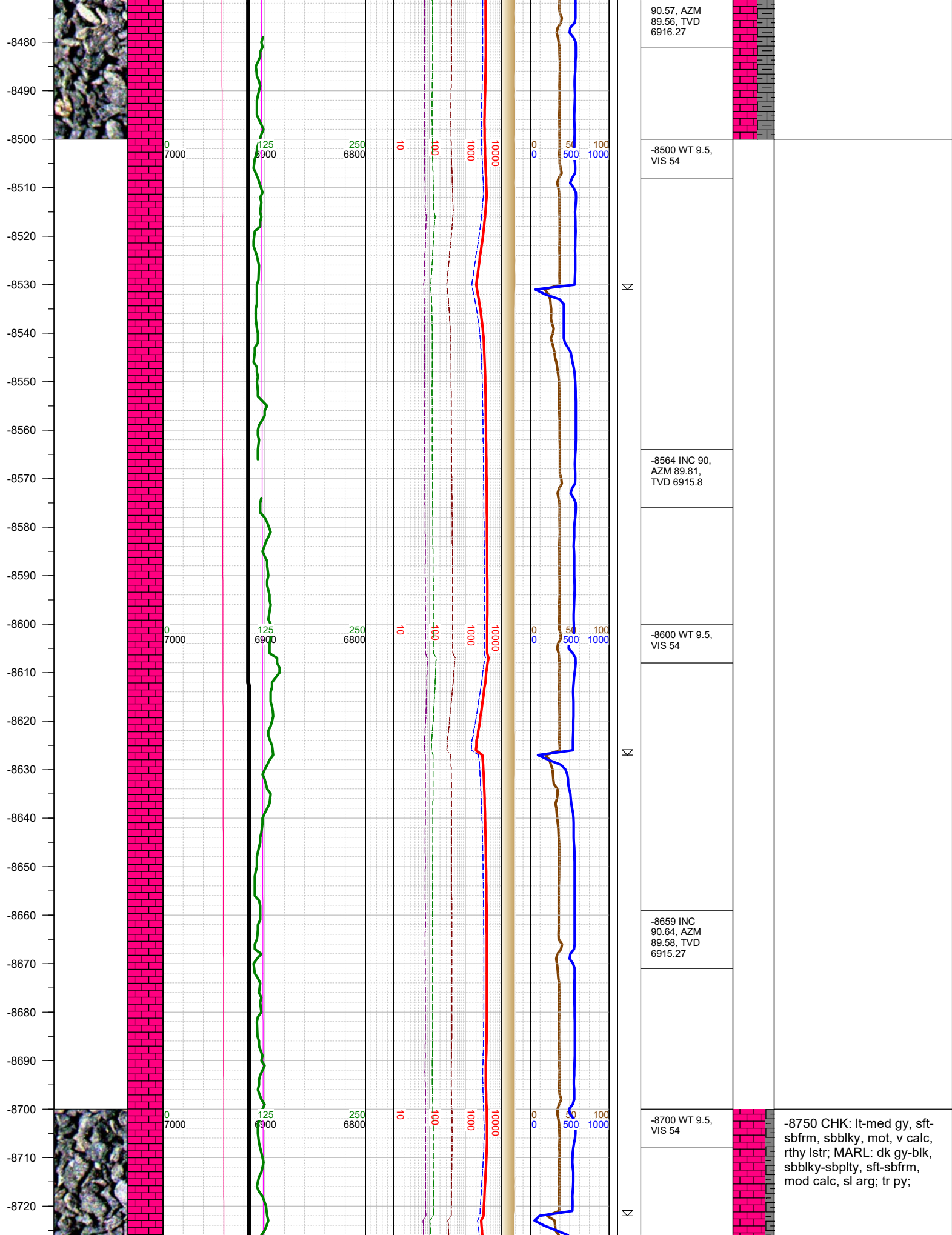


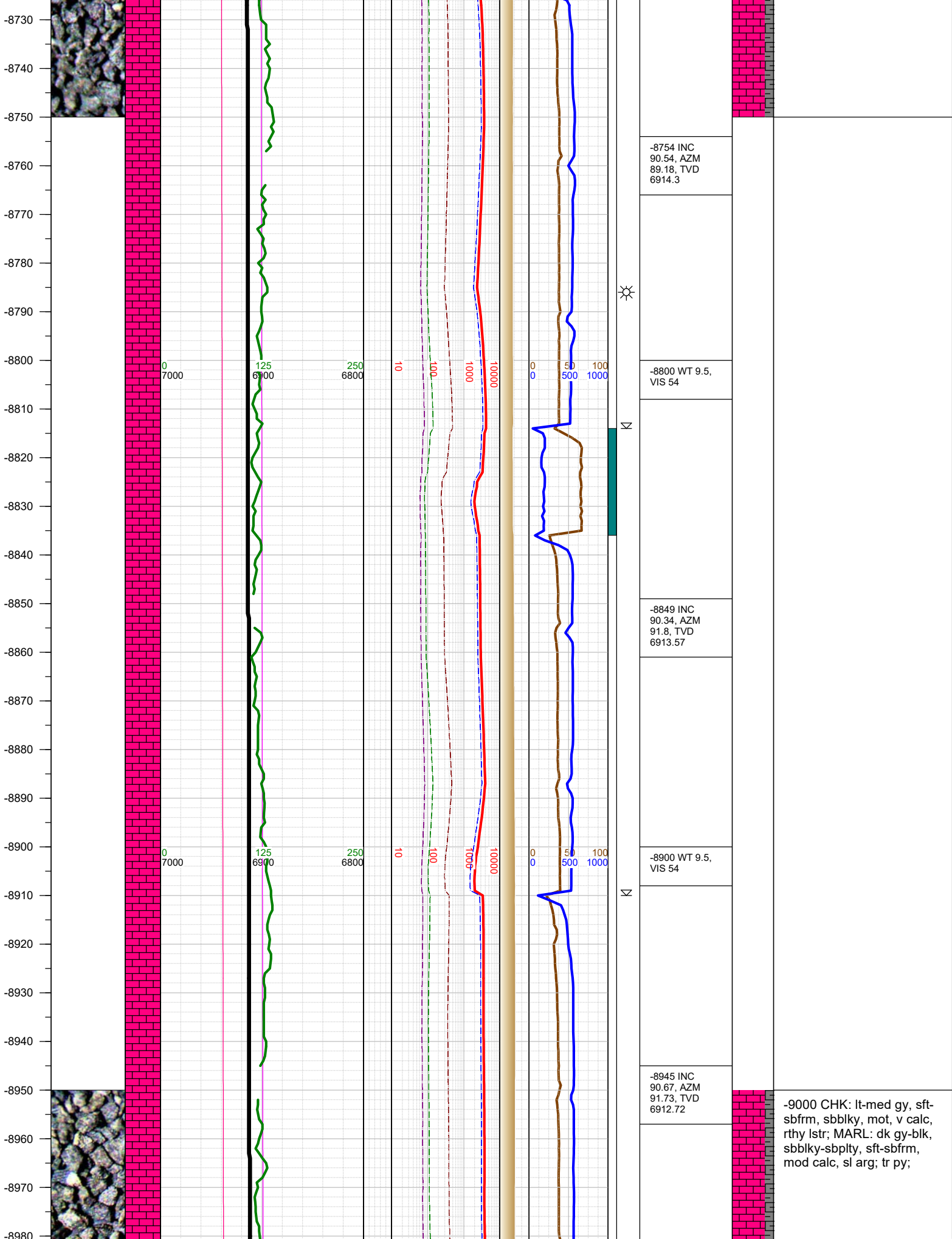


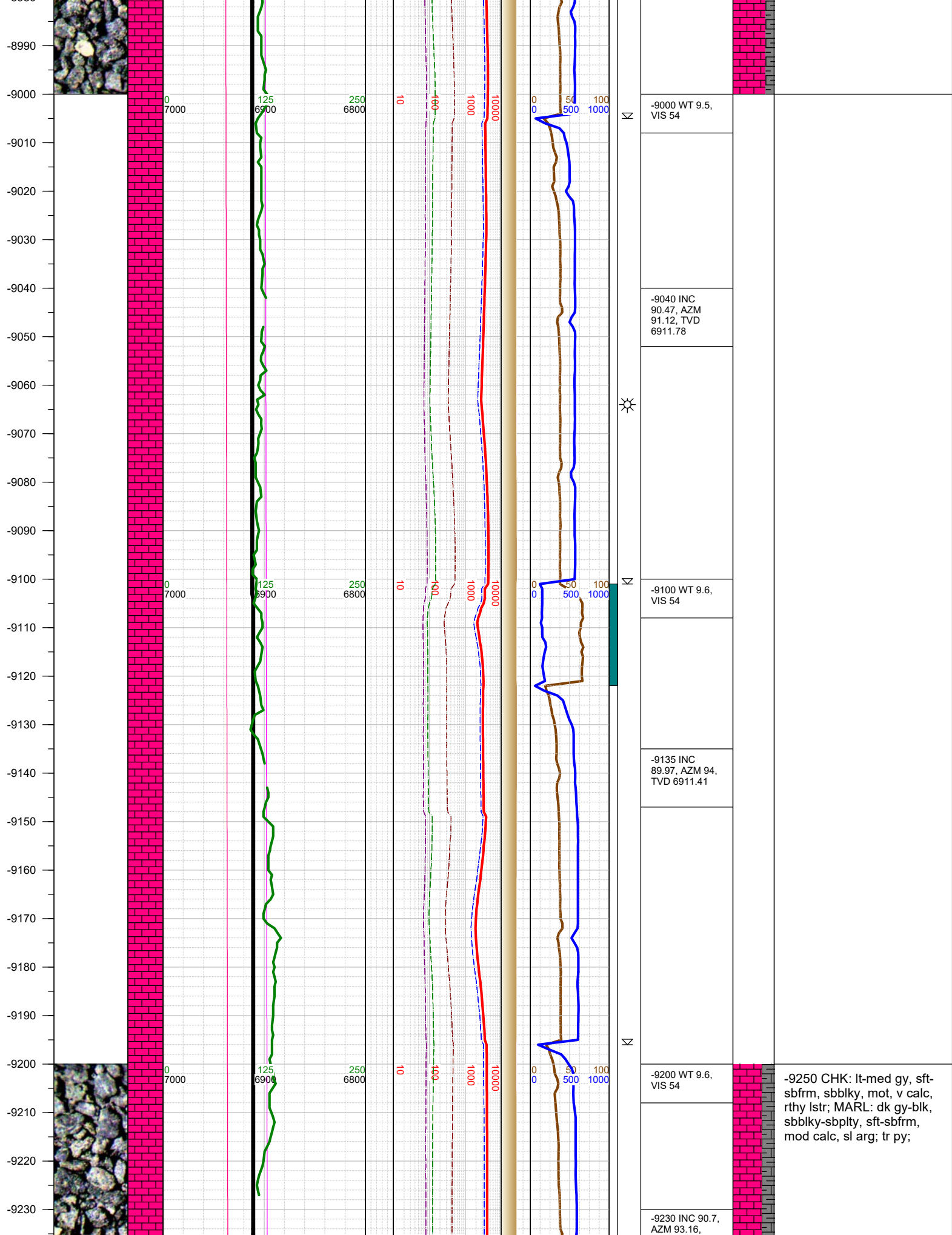


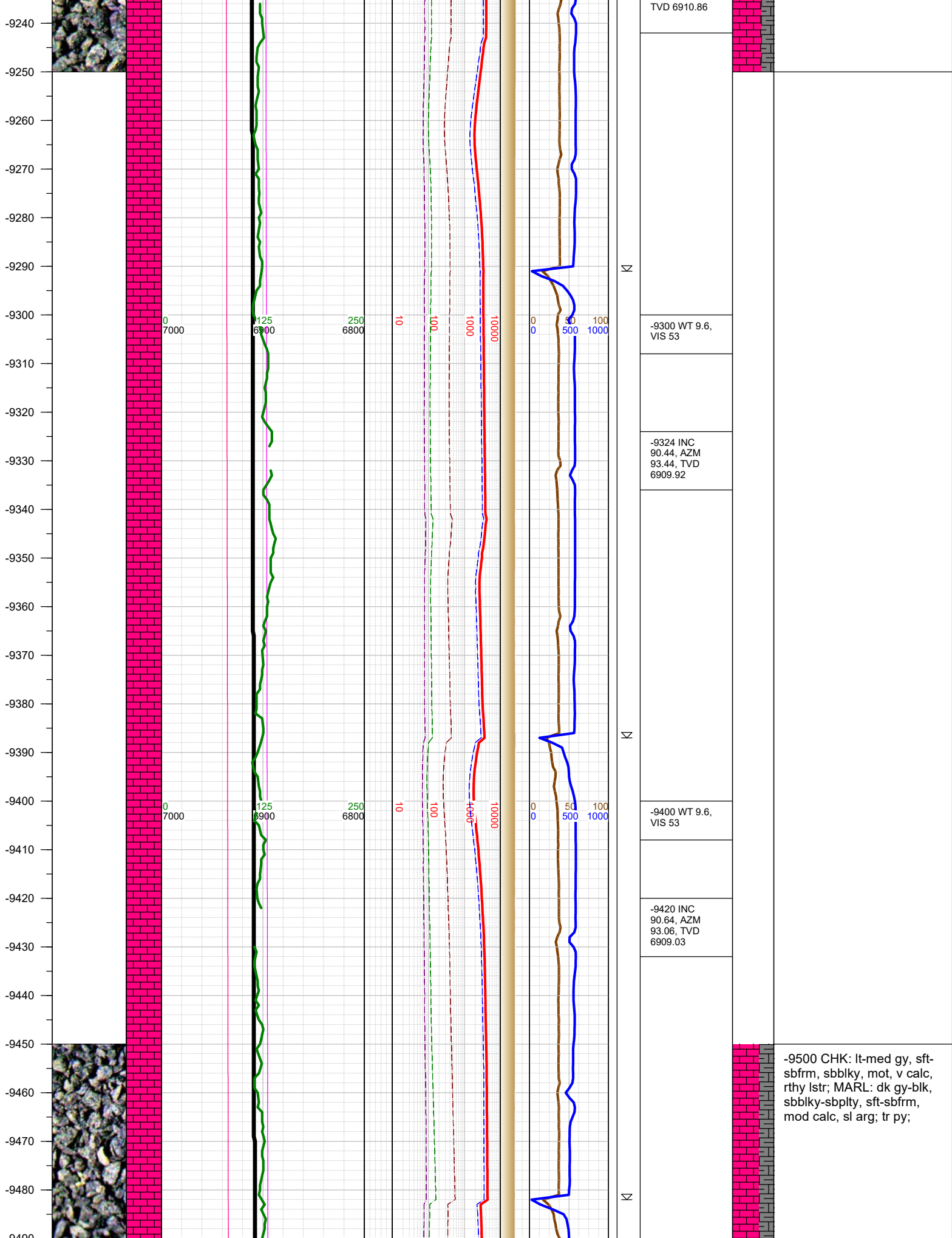


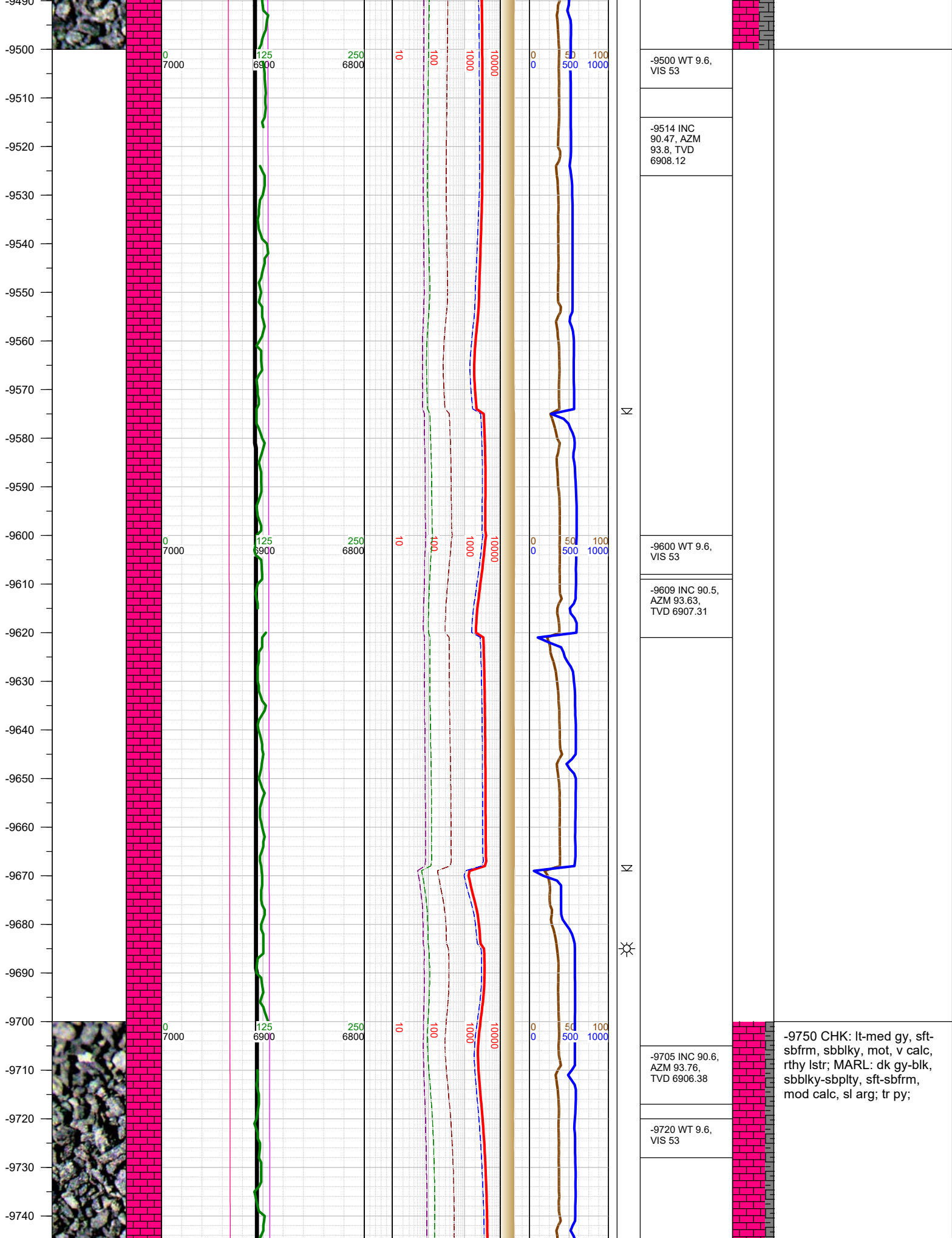












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-9500 WT 9.6,
VIS 53

-9514 INC
90.47, AZM
93.8, TVD
6908.12

-9600 WT 9.6,
VIS 53

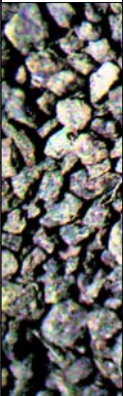
-9609 INC 90.5,
AZM 93.63,
TVD 6907.31

-9705 INC 90.6,
AZM 93.76,
TVD 6906.38

-9720 WT 9.6,
VIS 53

-9750 CHK: lt-med gy, sft-
sbfrm, sbblky, mot, v calc,
rthy lstr; MARL: dk gy-blk,
sbblky-sbplty, sft-sbfrm,
mod calc, sl arg; tr py;

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-9800 INC 90.4,
AZM 94.49,
TVD 6905.55

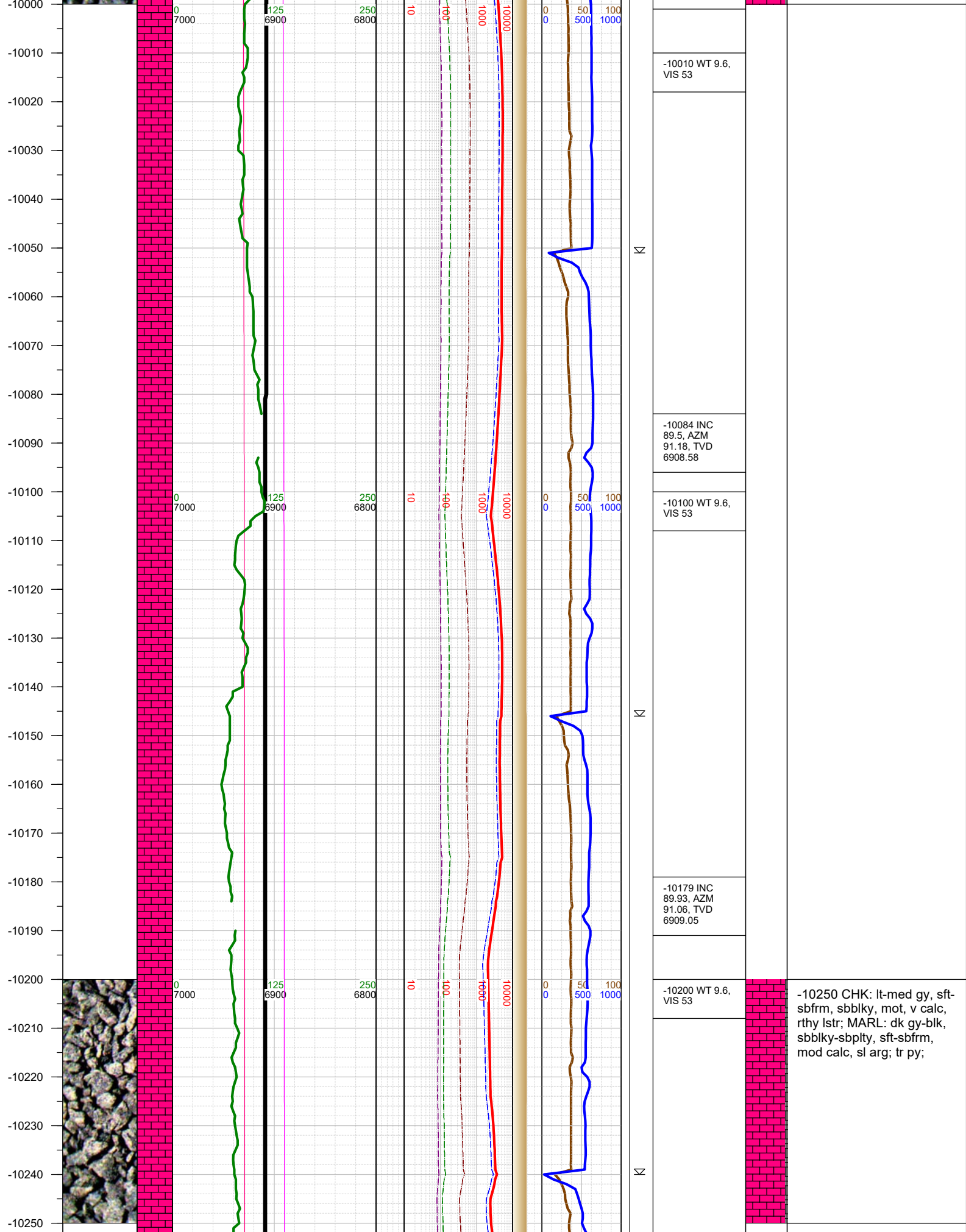
-9820 WT 9.6,
VIS 53

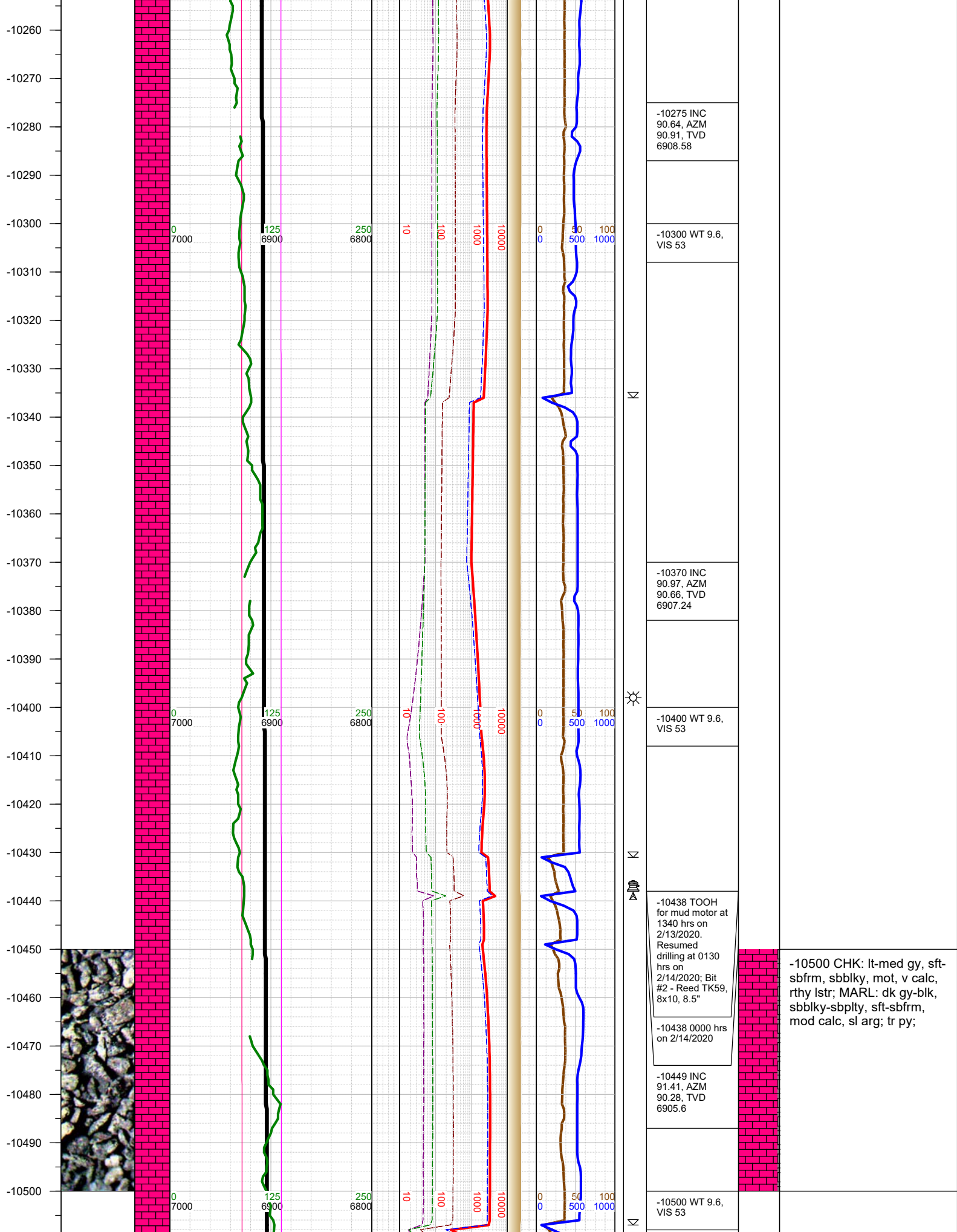
-9894 INC
89.09, AZM
91.94, TVD
6905.96

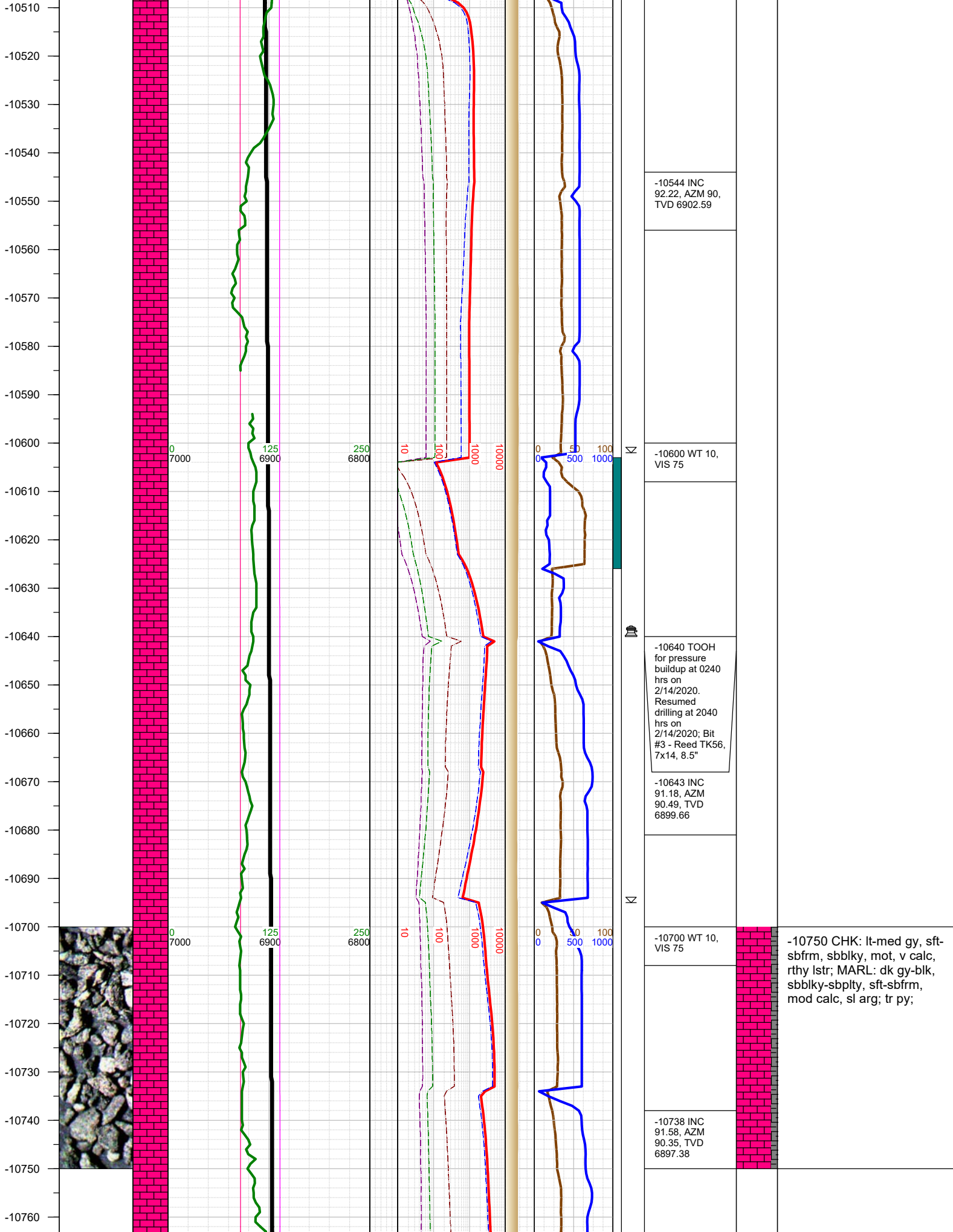
-9910 WT 9.6,
VIS 53

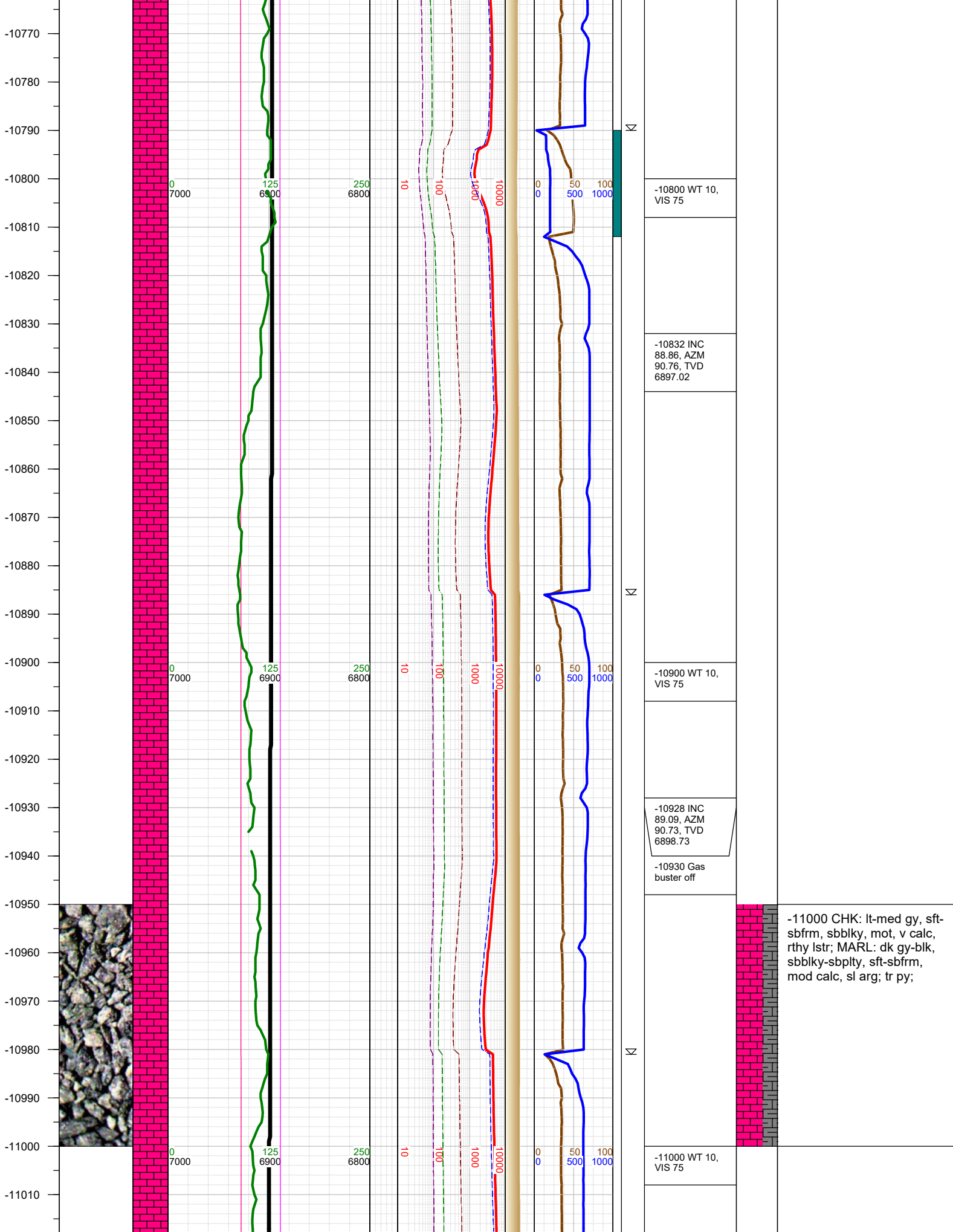
-9989 INC
89.13, AZM
92.05, TVD
6907.44

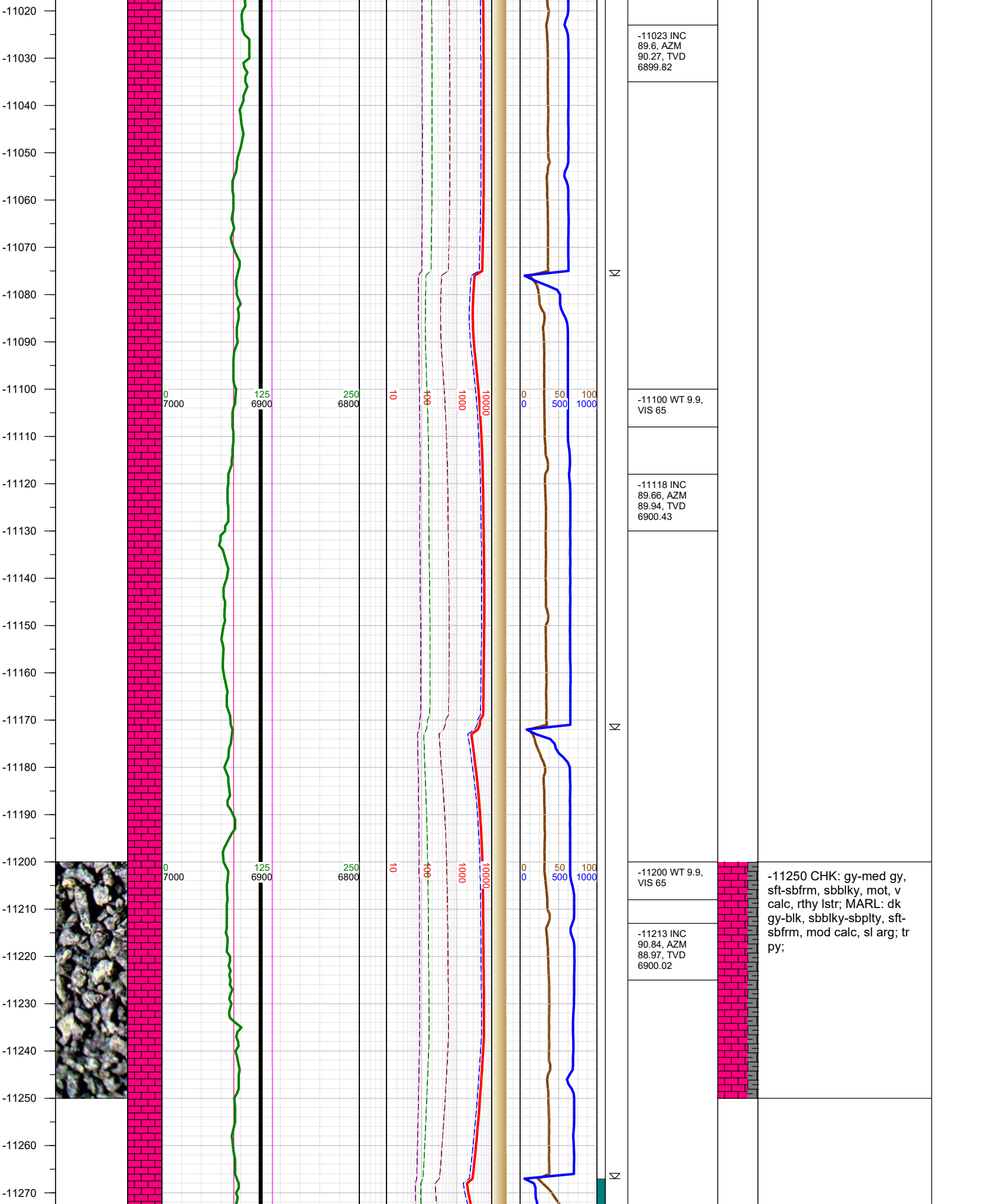
-10000 CHK: lt-med gy, sft-
sbfrm, sbblky, mot, v calc,
rthy lstr; MARL: dk gy-blk,
sbblky-sbplty, sft-sbfrm,
mod calc, sl arg; tr py;

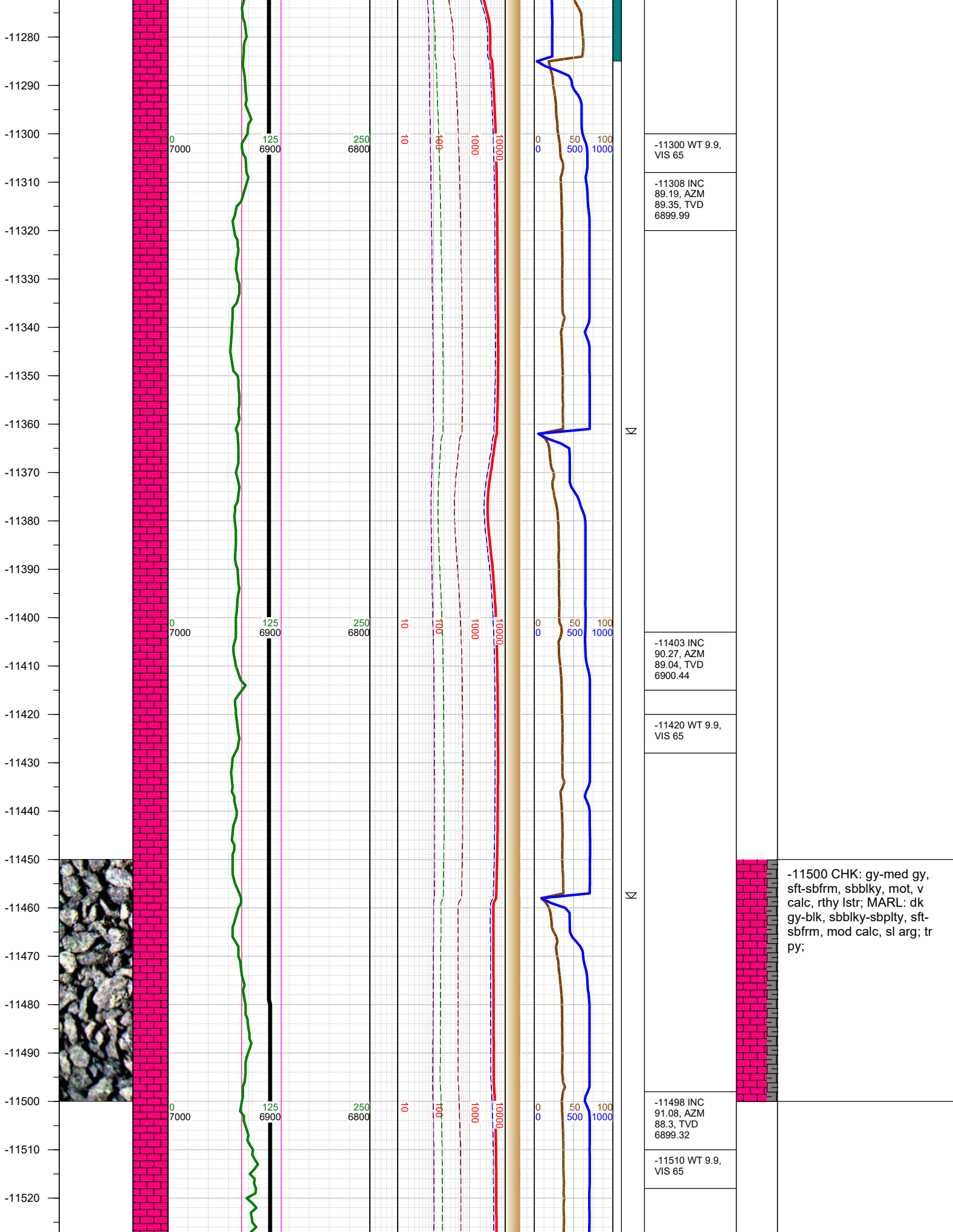


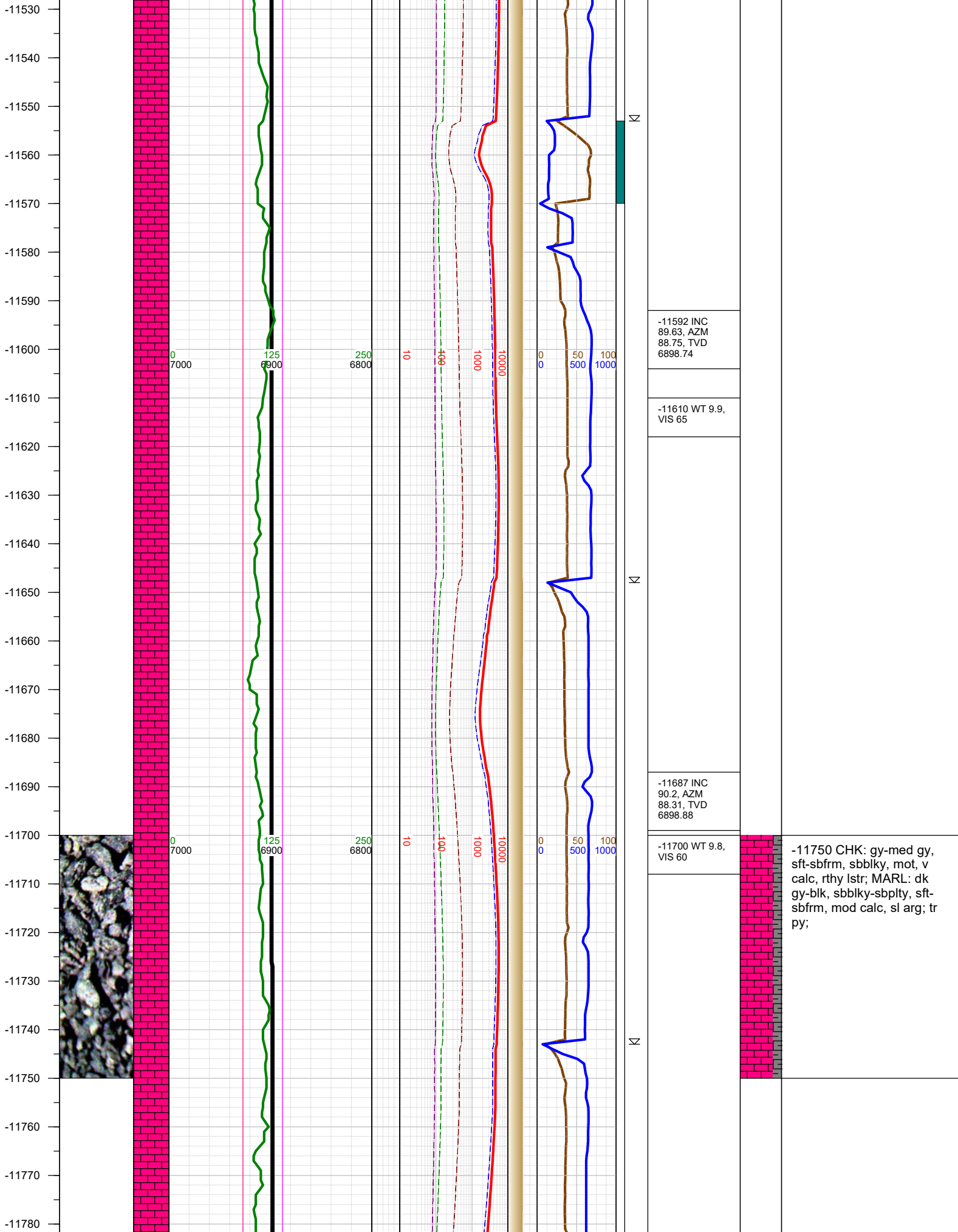


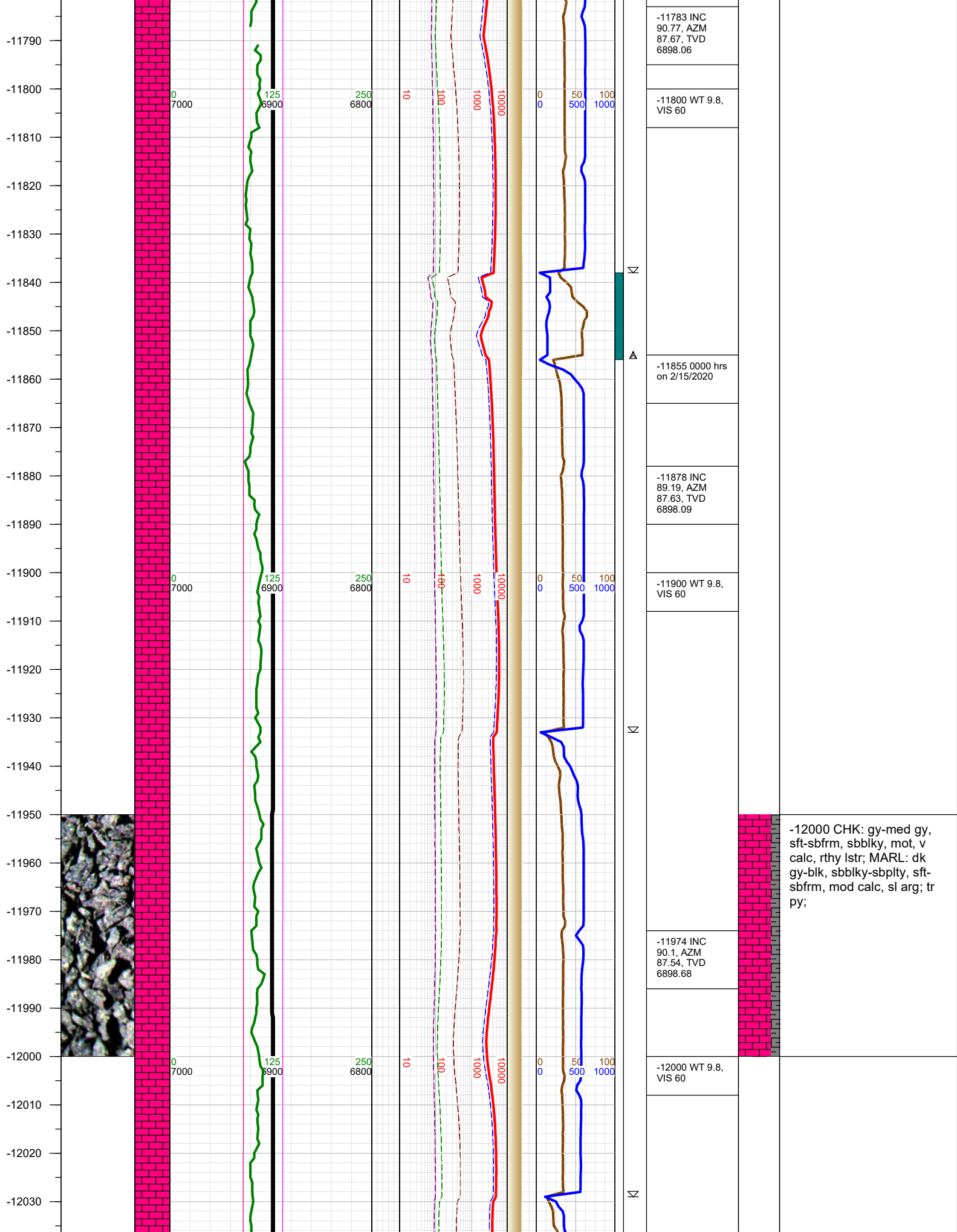


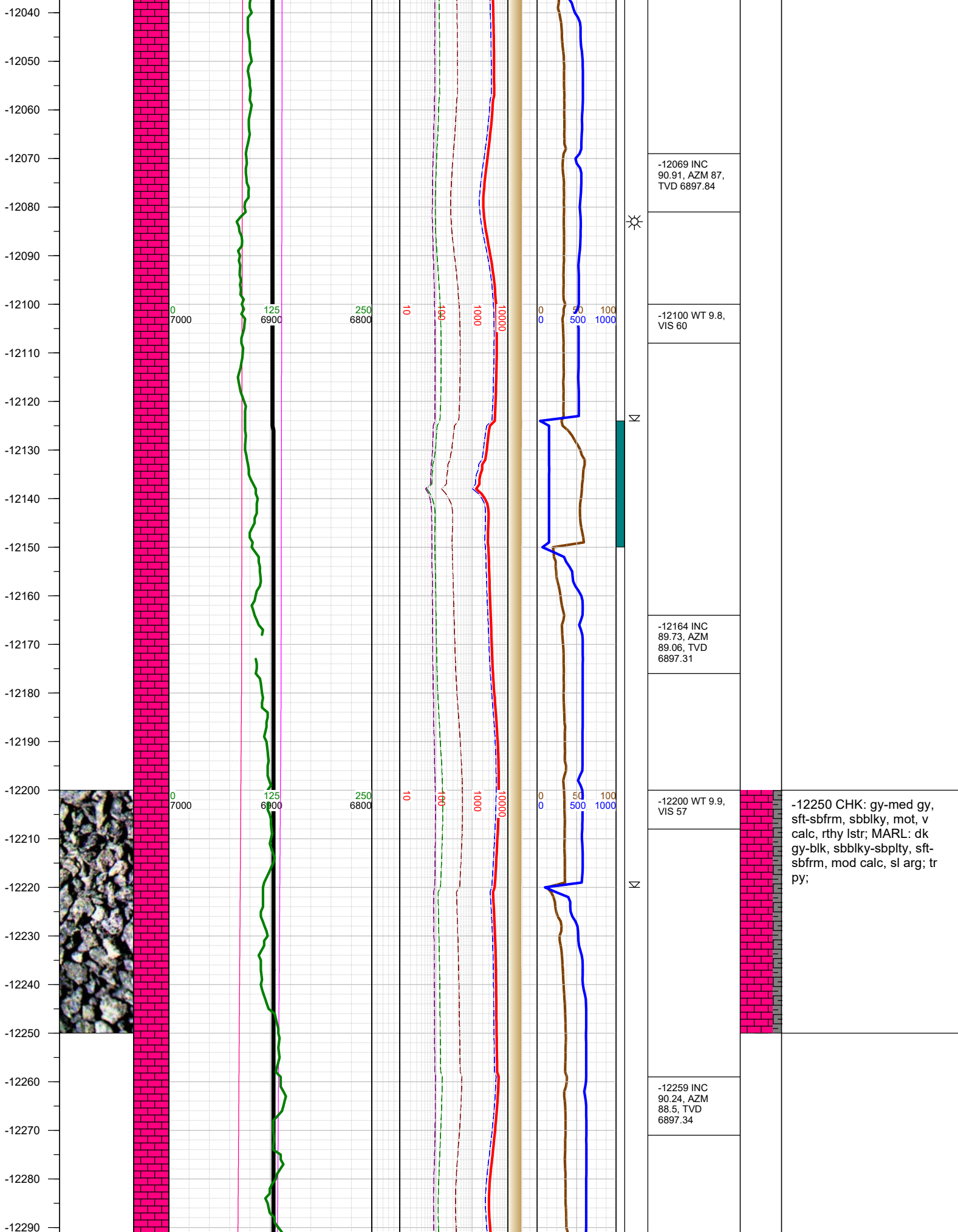


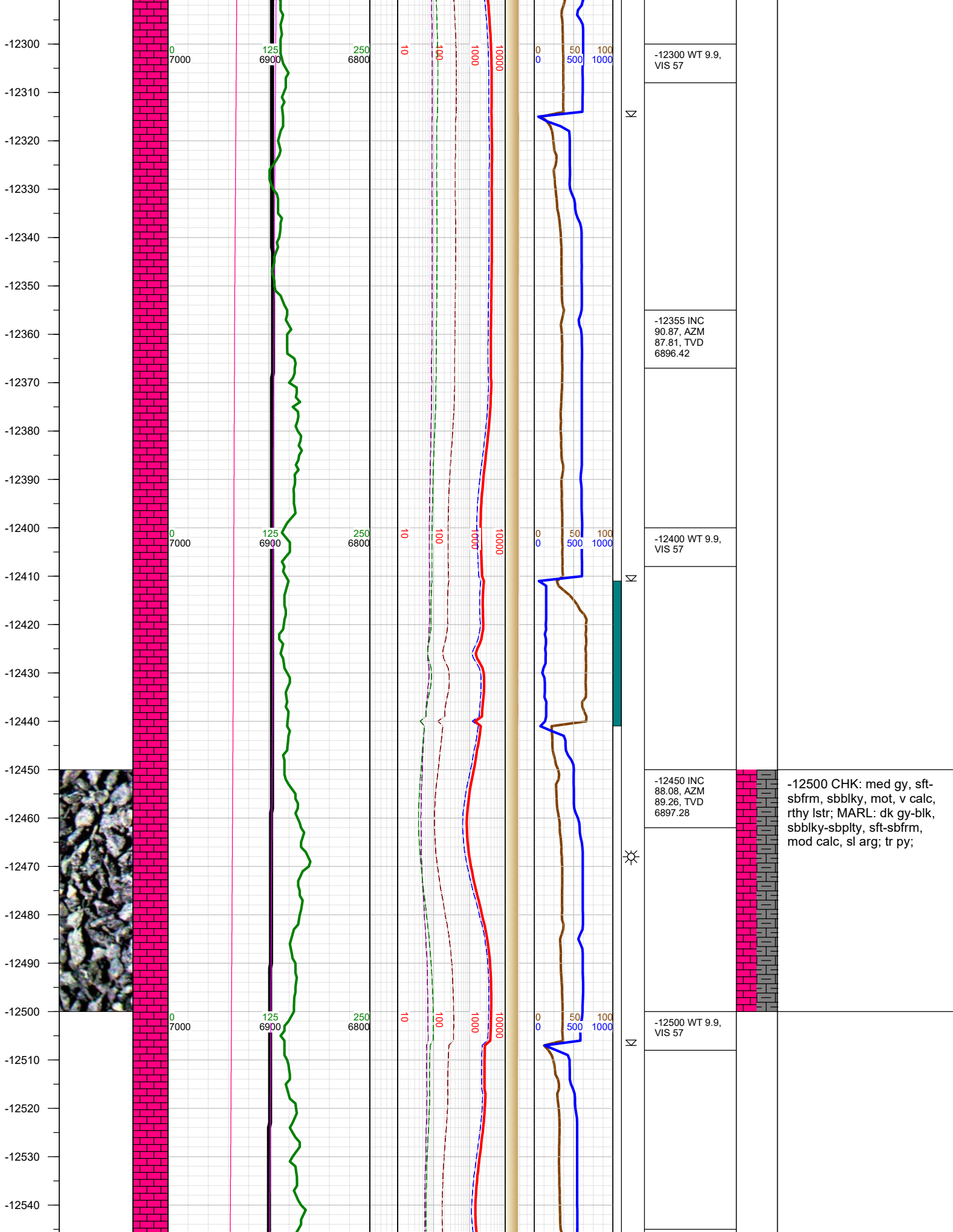




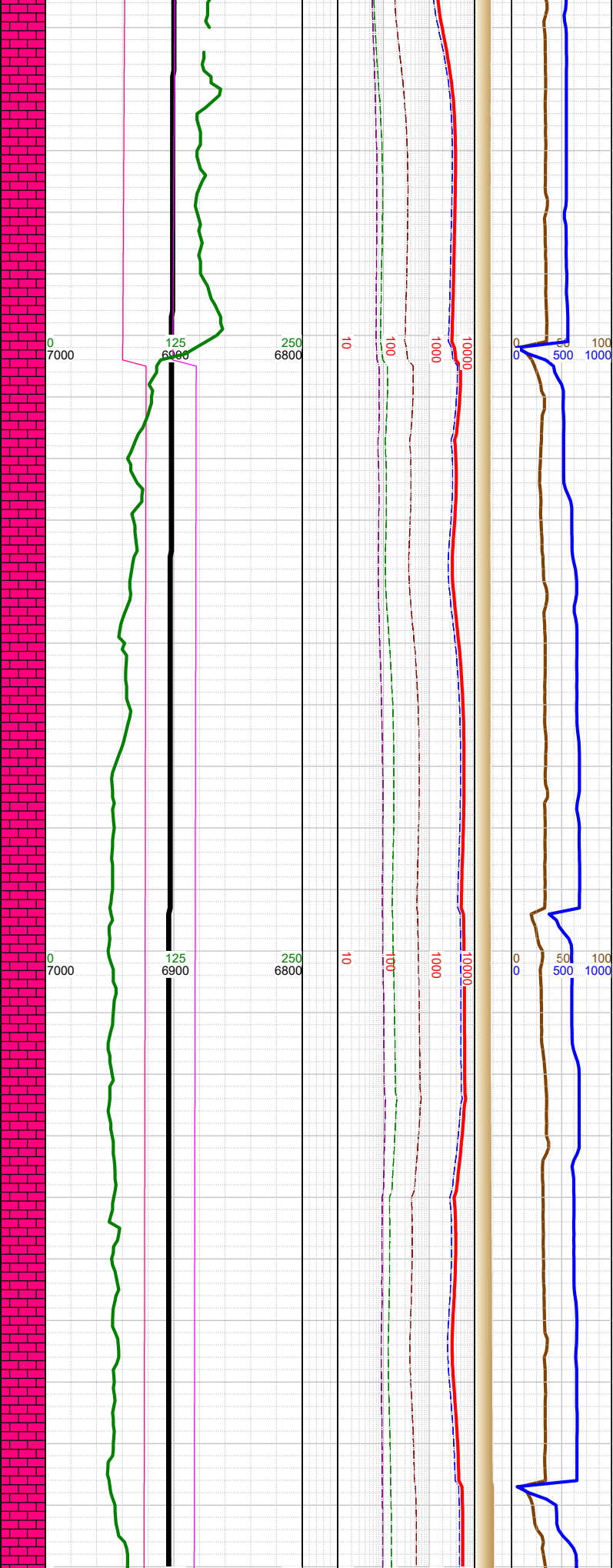
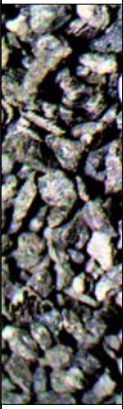




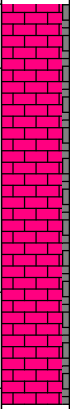




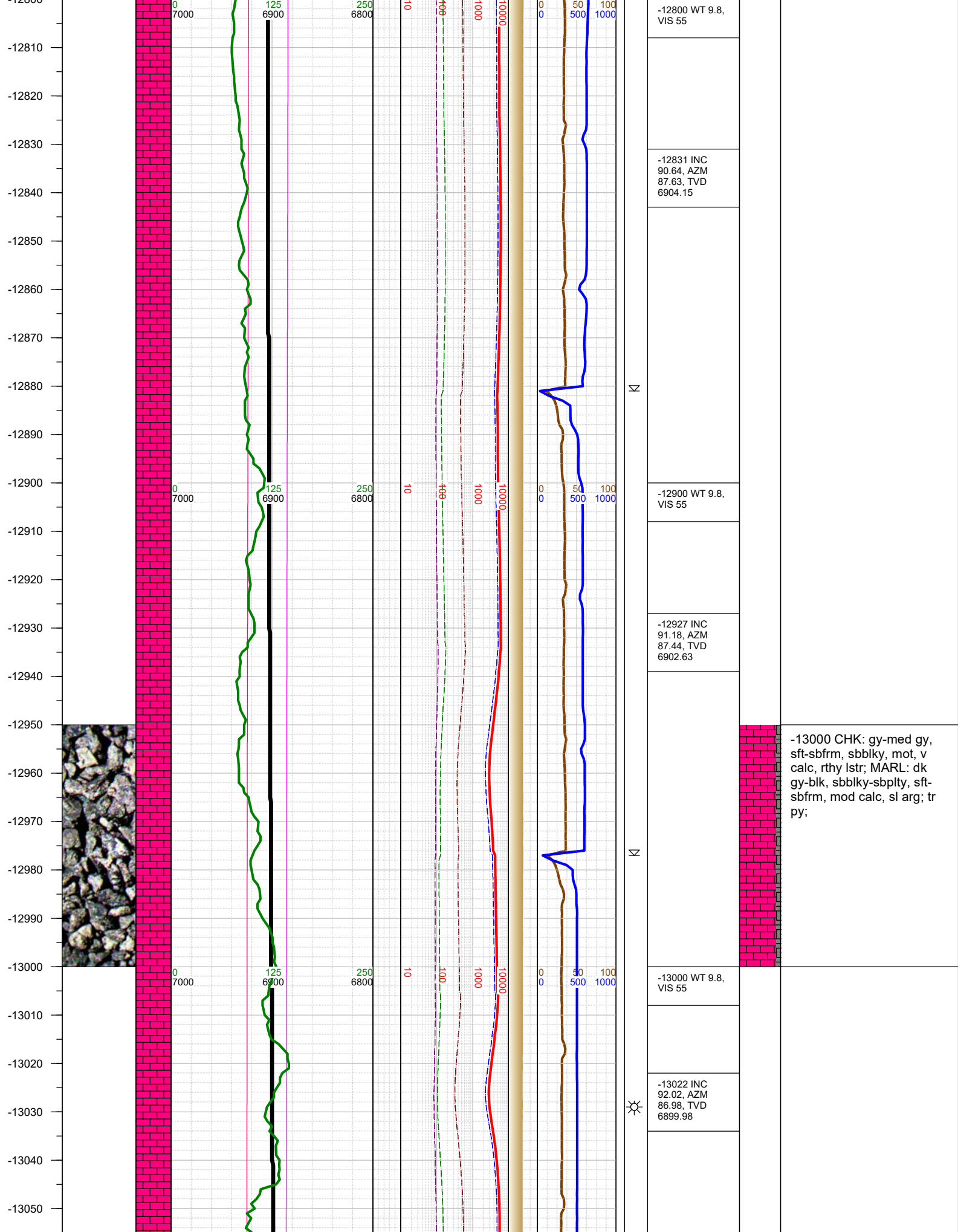
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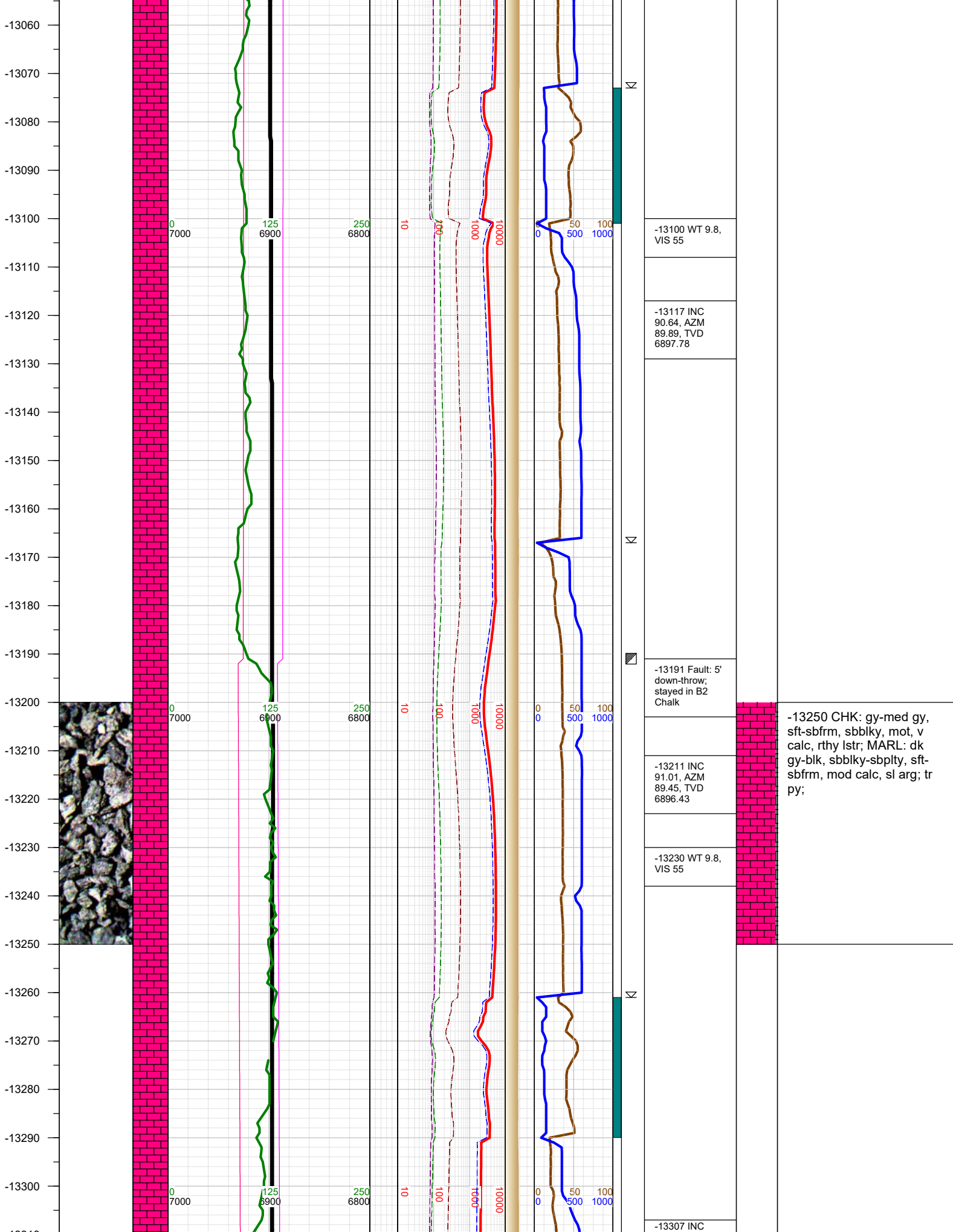


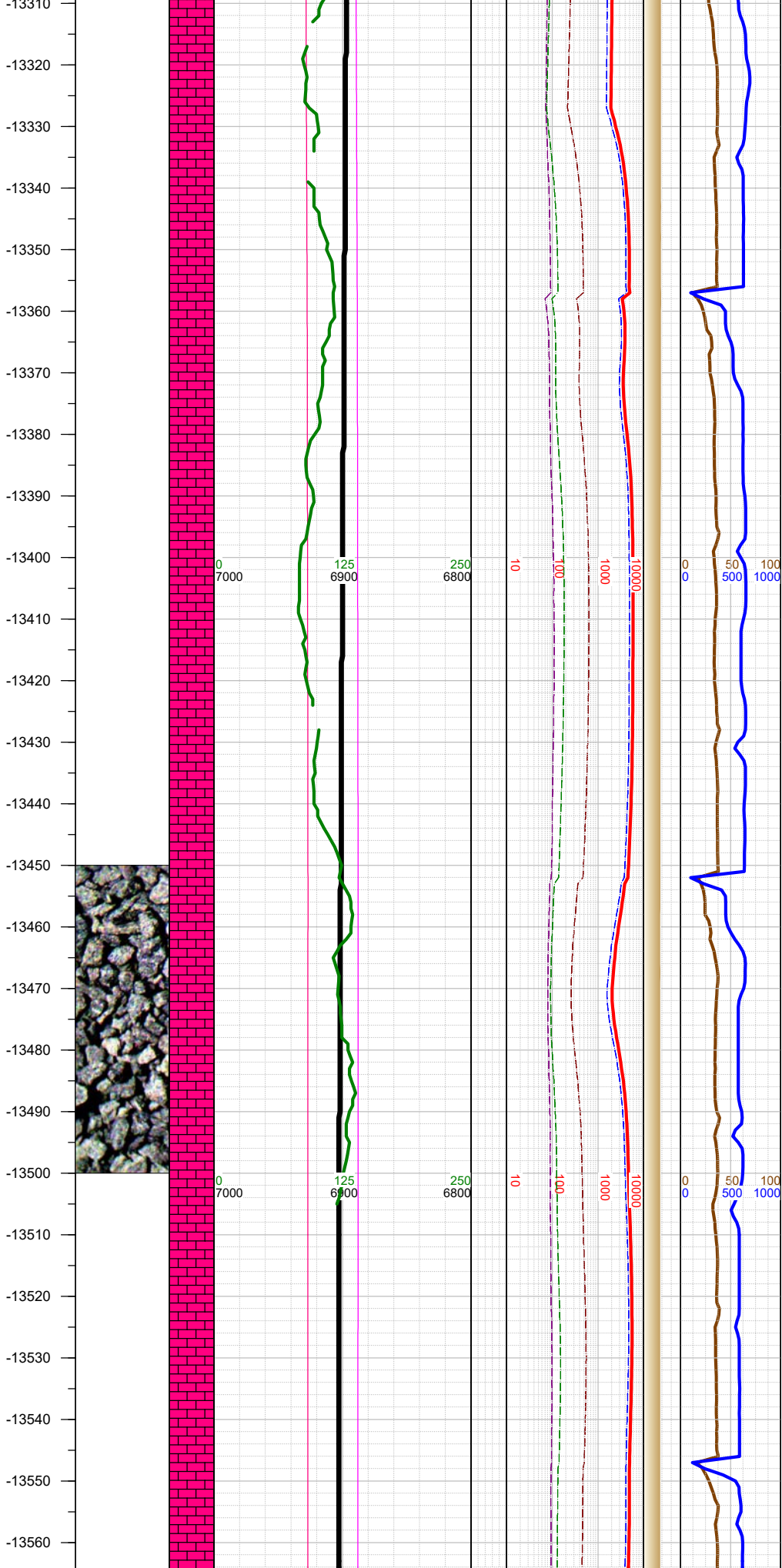
-12545 INC 88.39, AZM 88.72, TVD 6900.21
-12604 Fault: 18' up-throw; stayed in B2 Chalk
-12620 WT 9.9, VIS 57
-12640 INC 88.66, AZM 88.1, TVD 6902.65
-12700 WT 9.9, VIS 57
-12736 INC 89.46, AZM 88, TVD 6904.23



-12750 CHK: gy-med gy,
sft-sbfrm, sbblky, mot, v
calc, rthy lstr; MARL: dk
gy-blk, sbblky-sbplty, sft-
sbfrm, mod calc, sl arg; tr
py;

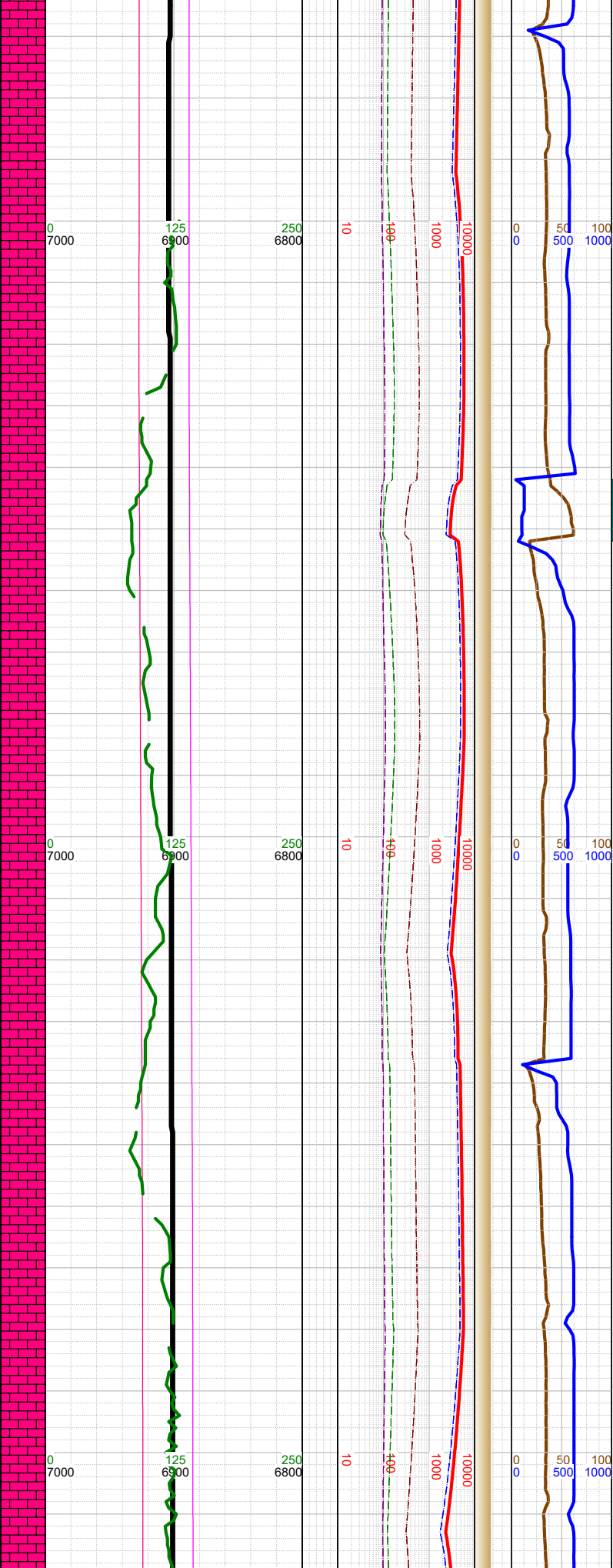






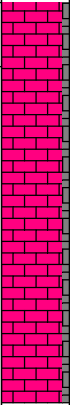
N	88.08, AZM 91.68, TVD 6897.19
	-13320 WT 9.8, VIS 55
	-13401 INC 88.32, AZM 91.38, TVD 6900.14
N	-13420 WT 9.8, VIS 55
	-13496 INC 88.59, AZM 91.56, TVD 6902.71
	-13510 WT 9.8, VIS 55
	-13500 CHK: gy-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft- sbfrm, mod calc, sl arg; tr py;

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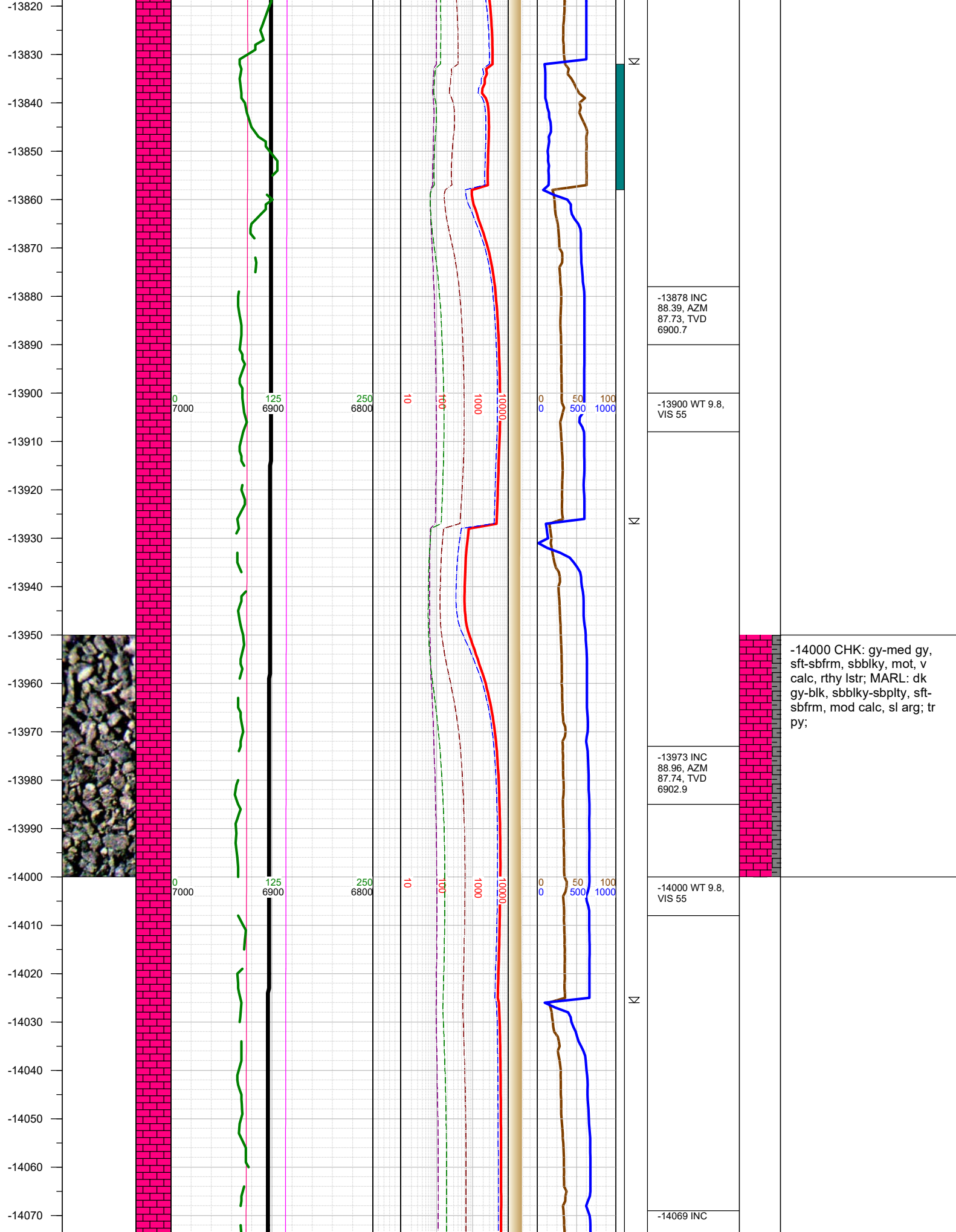


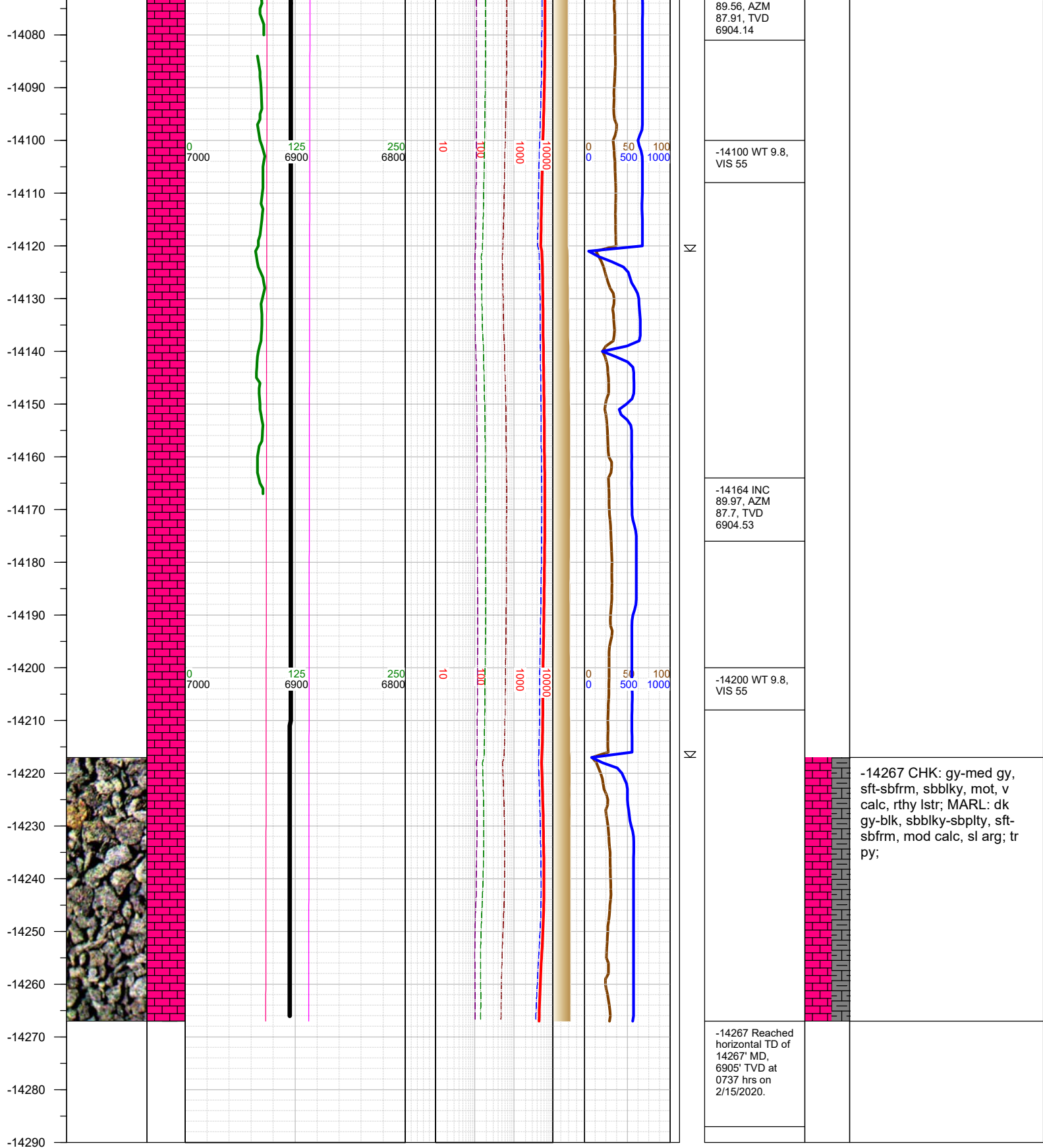
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-13592 INC 90.1, AZM 91.4, TVD 6903.8
-13610 WT 9.8, VIS 55
-13688 INC 90.97, AZM 89.9, TVD 6902.9
-13700 WT 9.8, VIS 55
-13783 INC 91.65, AZM 89.66, TVD 6900.73
-13800 WT 9.8, VIS 55



-13750 CHK: gy-med gy,
sft-sbfrm, sbbiky, mot, v
calc, rthy lstr; MARL: dk
gy-blk, sbbiky-sbplty, sft-
sbfrm, mod calc, sl arg; tr
py;





TOTAL DEPTH = 14267'

Thank you for using Earth Science Agency