

OPERATOR: **Extraction Oil & Gas**

WELL NAME: **Launer 6N**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Patterson 346

API #: 05-123-45173

LAT/LONG: 40.539878, -104.852379

SURFACE HOLE: SESE S26-T7N-R67W, 722' FSL, 396' FEL

BOTTOM HOLE: S27-T7N-R67W, 1554' FSL, 2562' FEL



Earth Science Agency, LLC

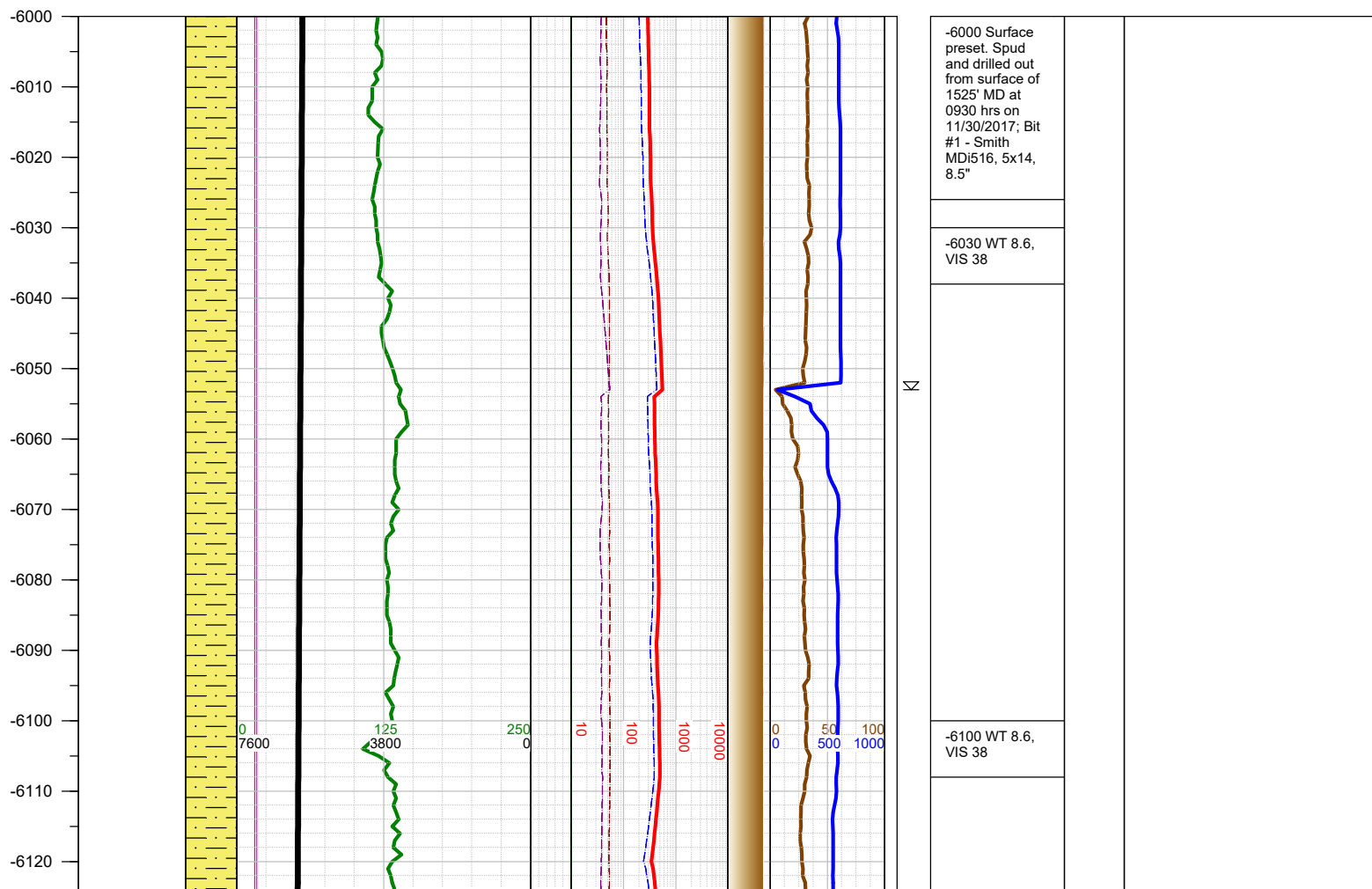
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 4927'
KELLY BUSHING: 4952'
DRILLING FLUID: OBM
TVD VS. MD: 7014' /14710'
SPUD DATE: November 30, 2017
TD DATE: December 2, 2017

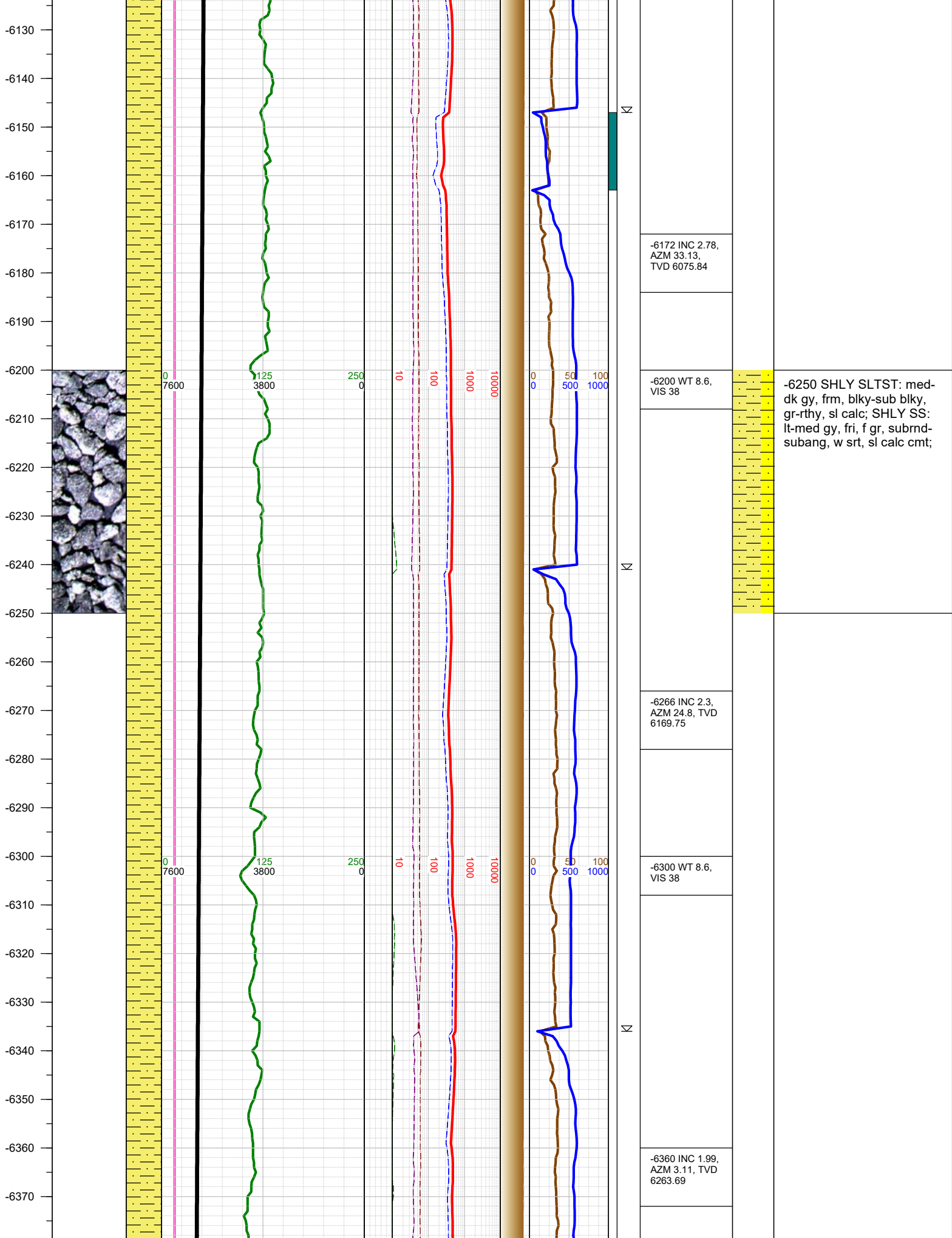
DEPTHS LOGGED: 6000' - 14710'
DATES LOGGED: November 30, 2017 - December 2, 2017
GEOLOGISTS: Brian Whitfield, Ross Apodaca
SCALE: 5" = 100'

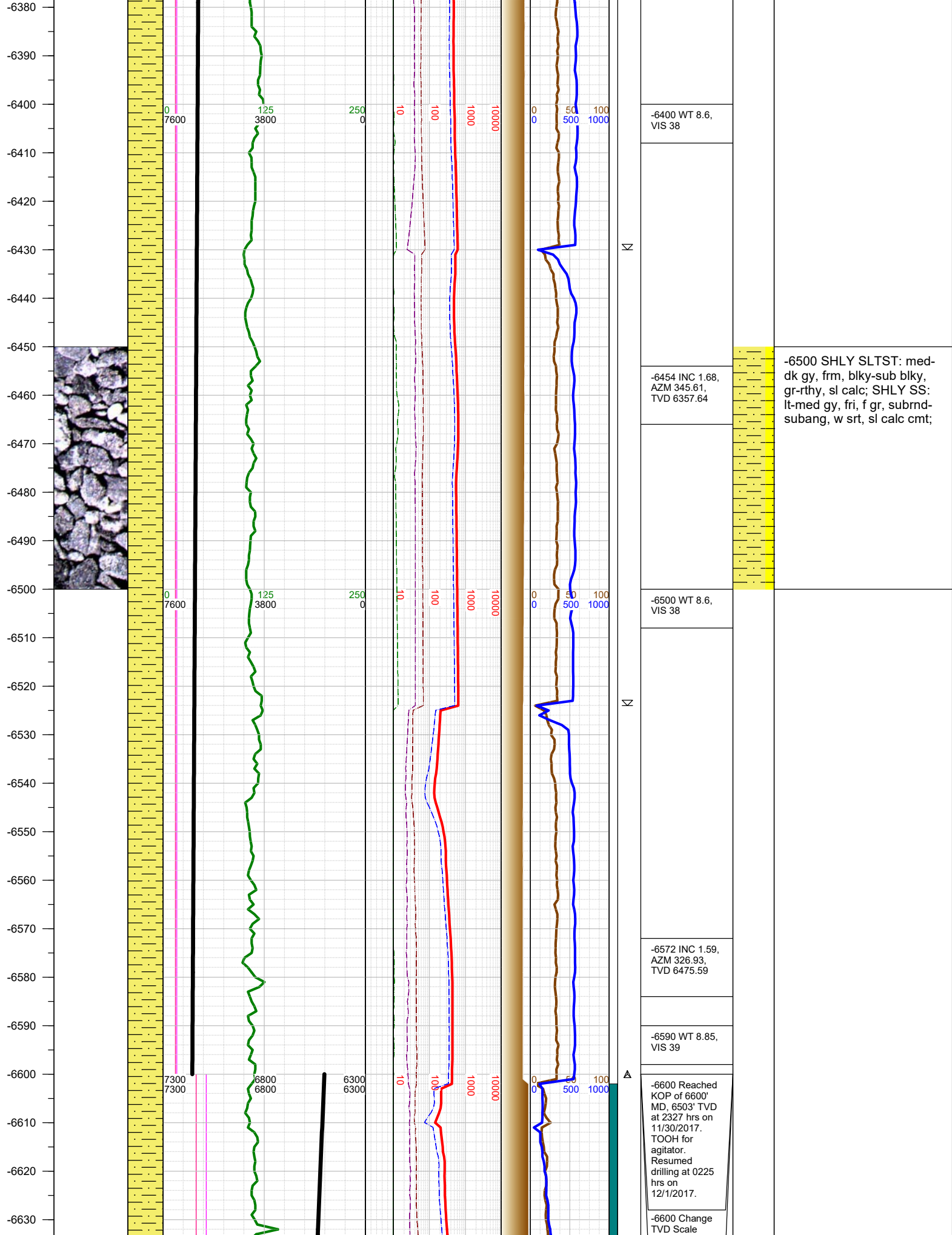
LEGEND

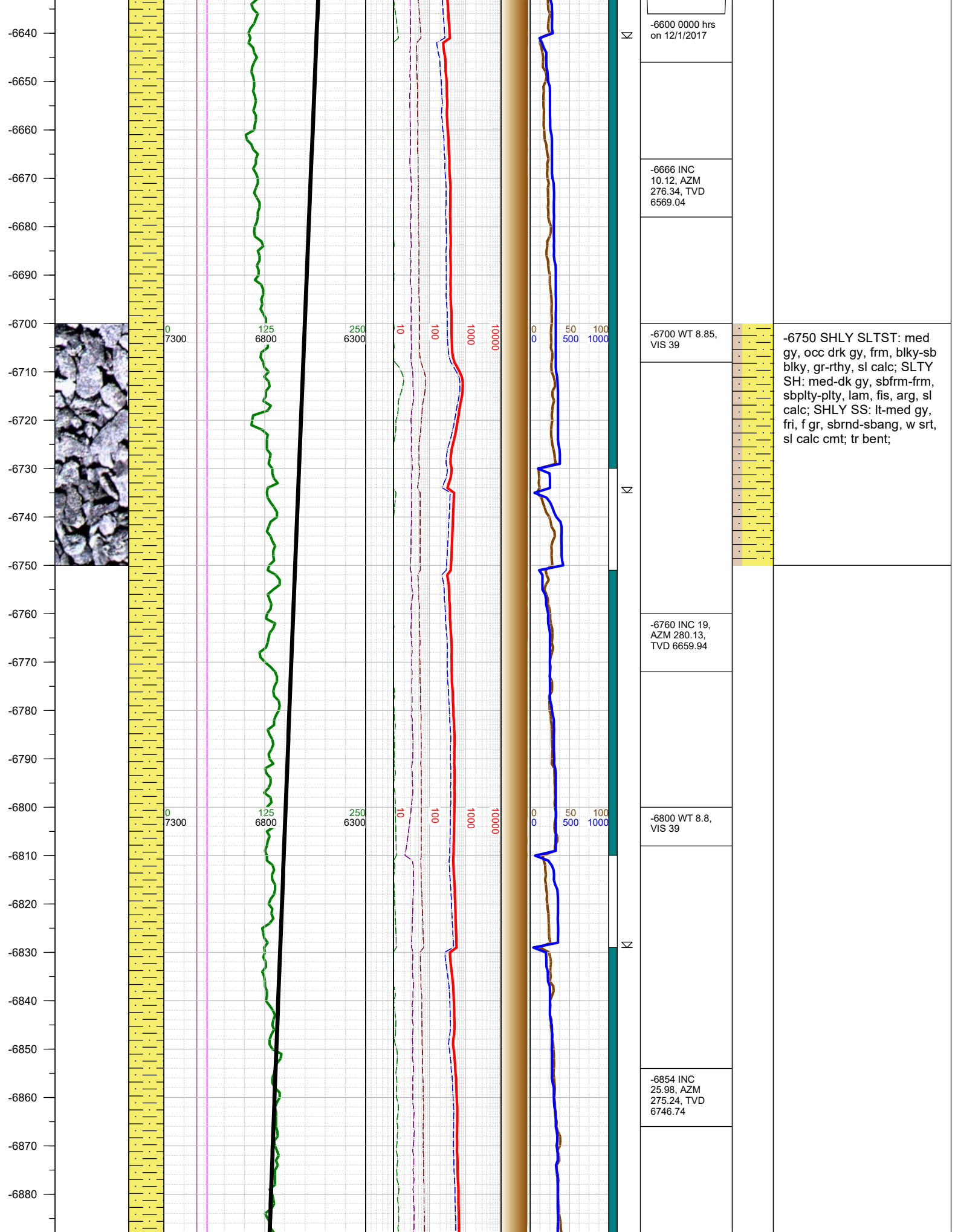


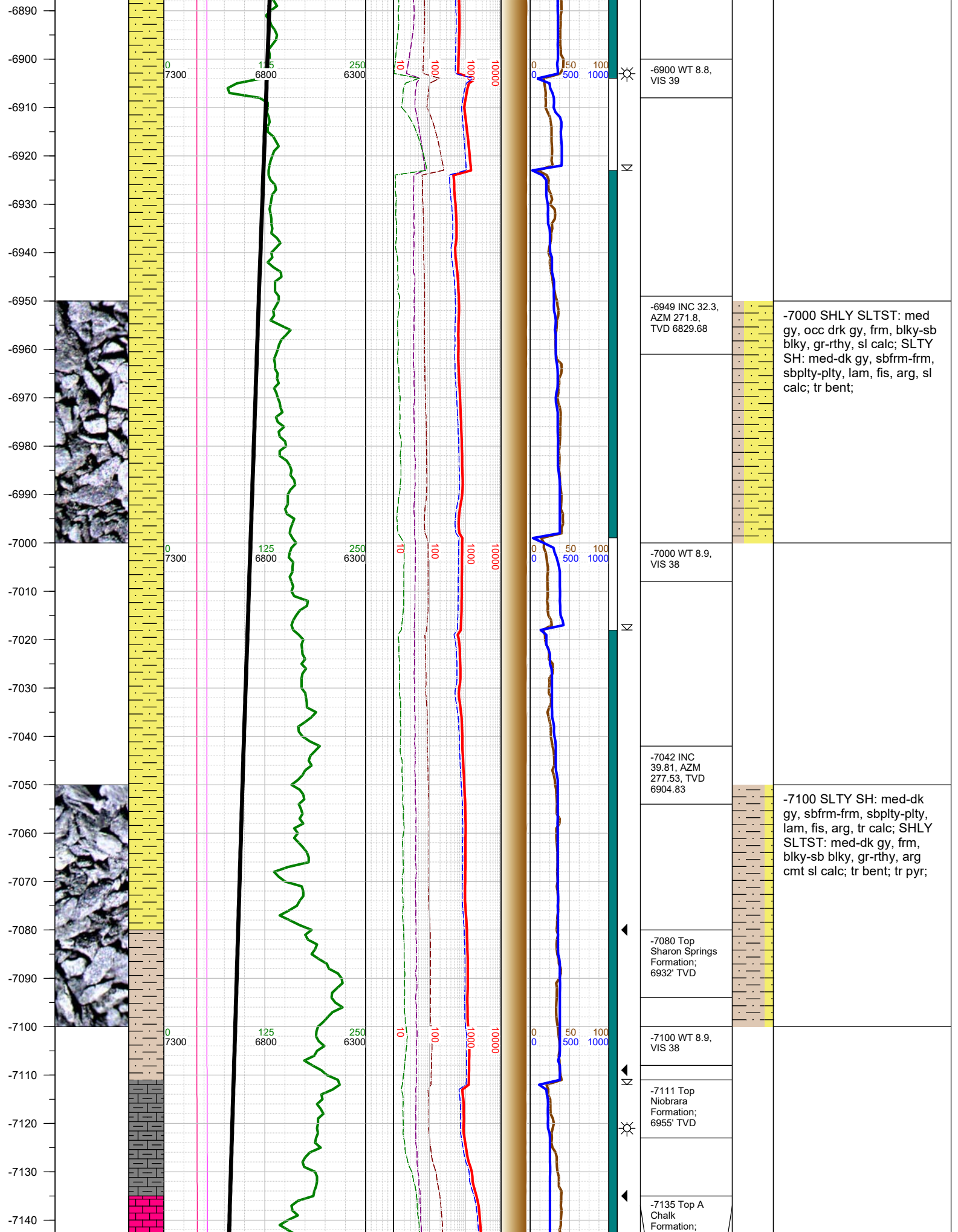
FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

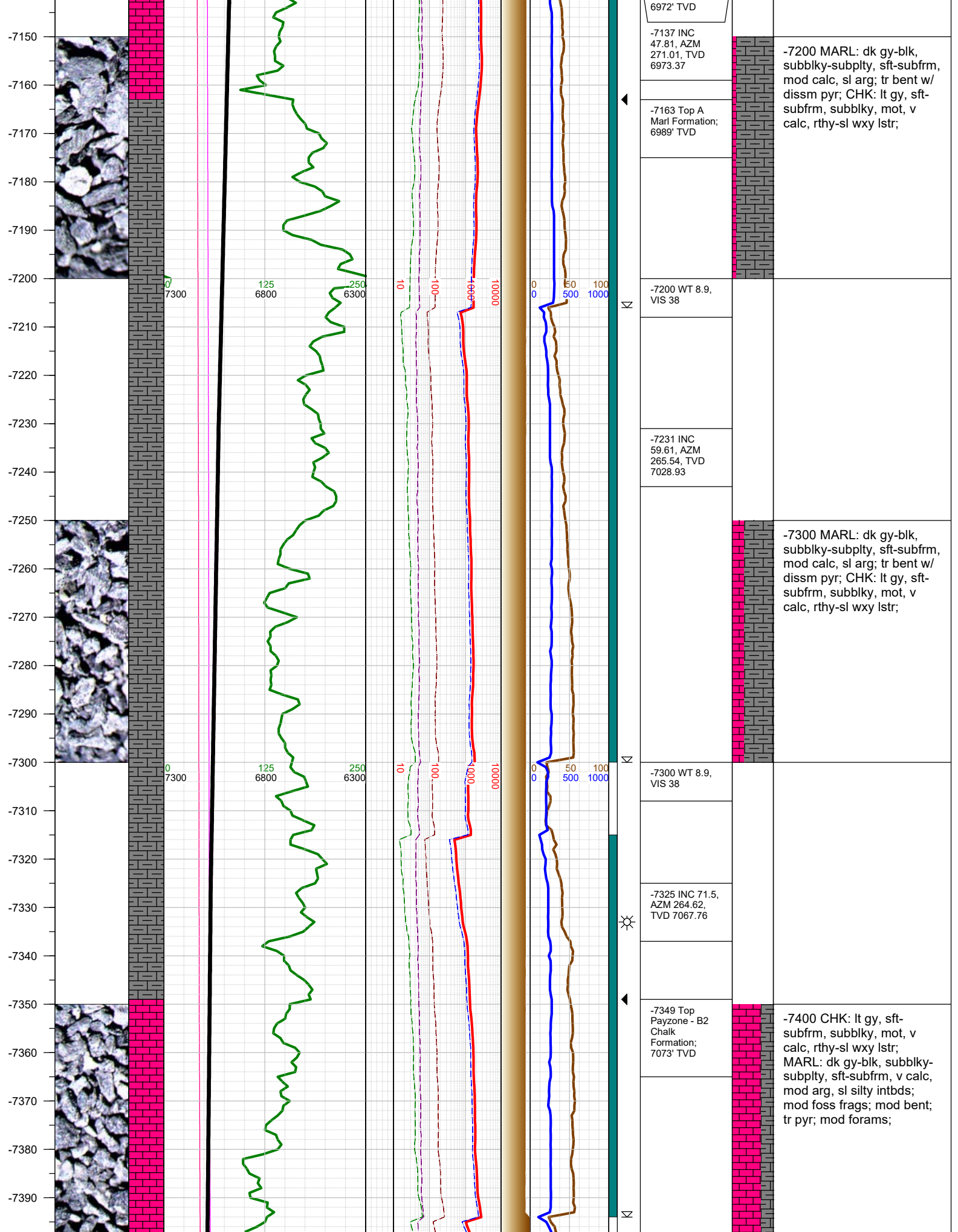


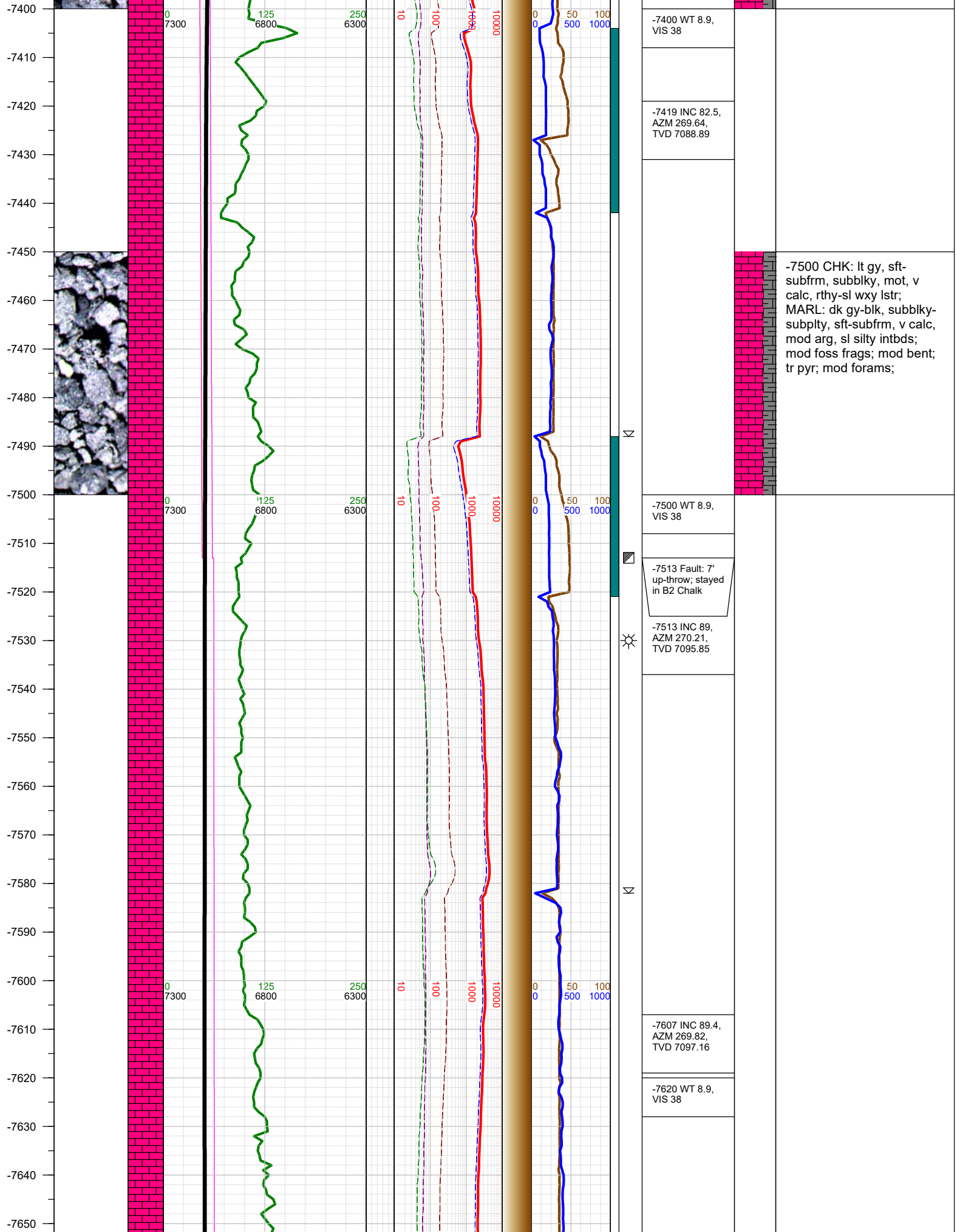


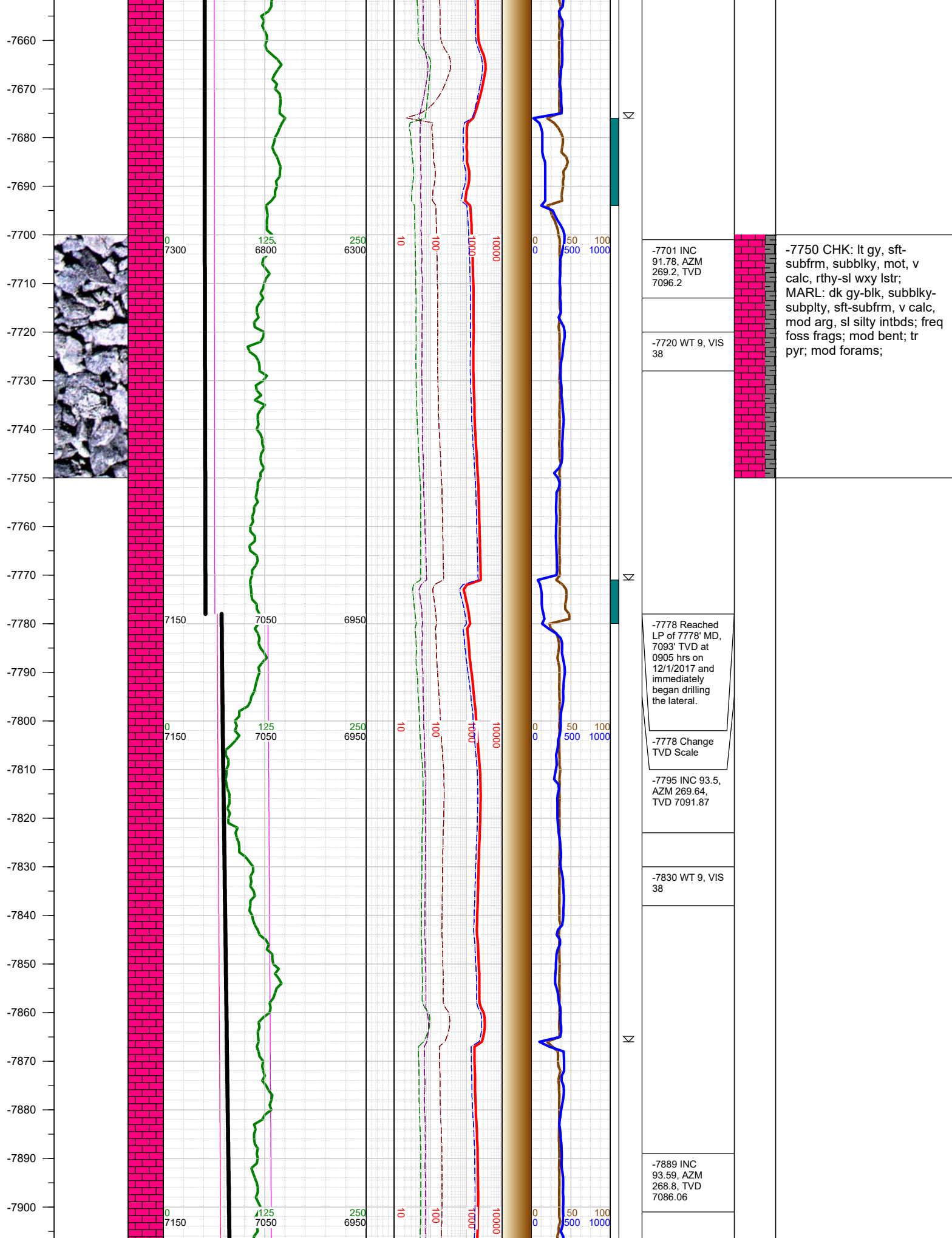


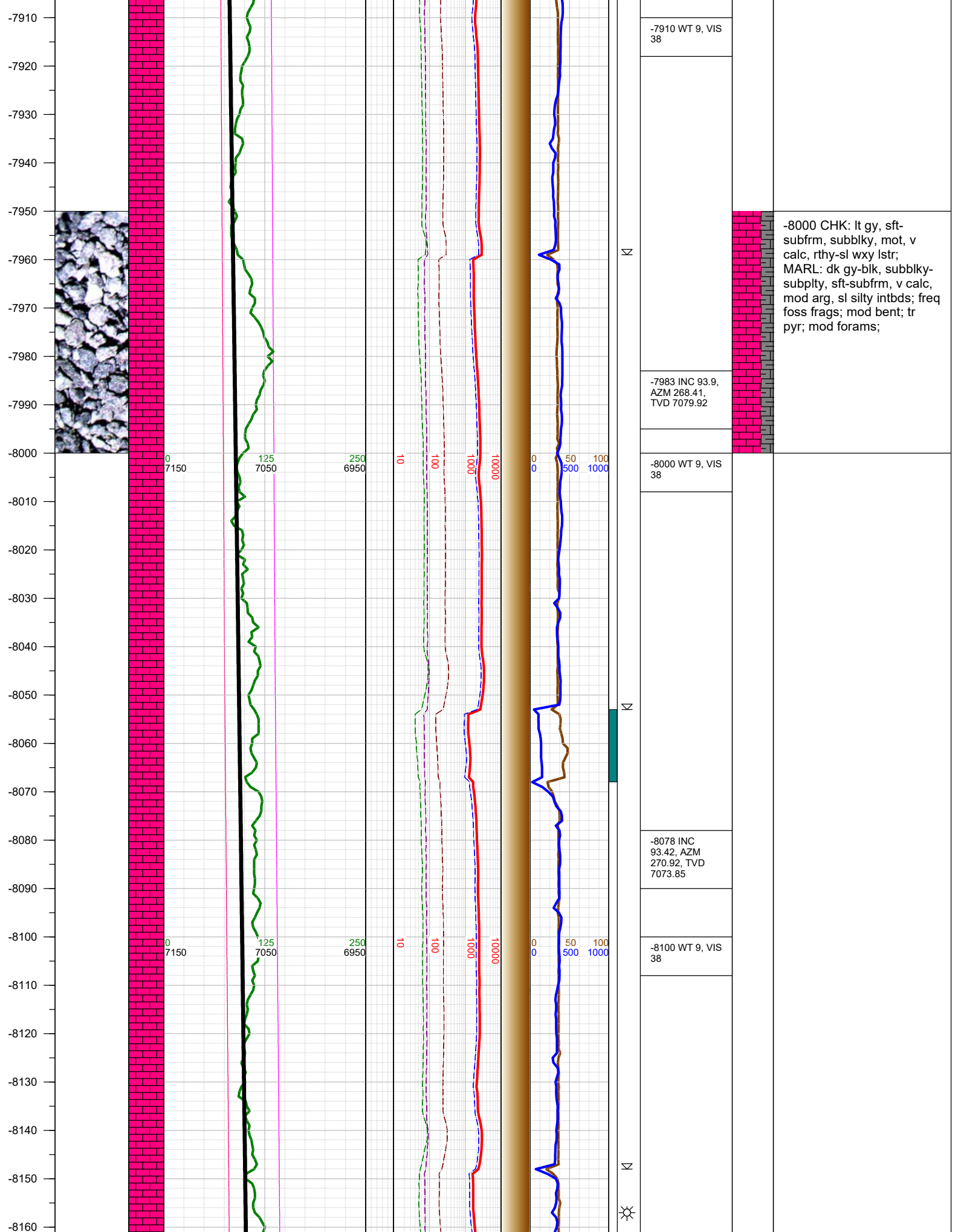


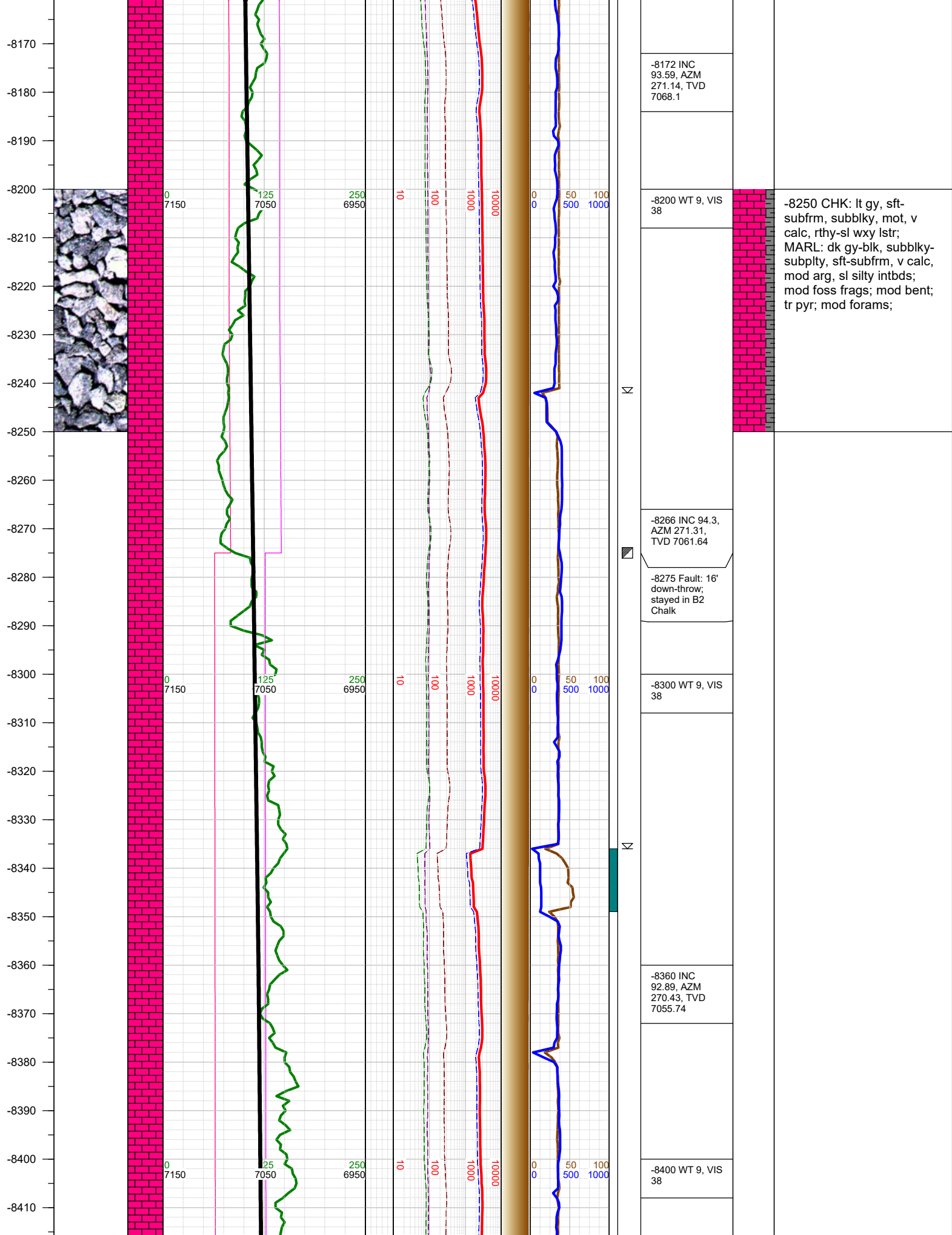


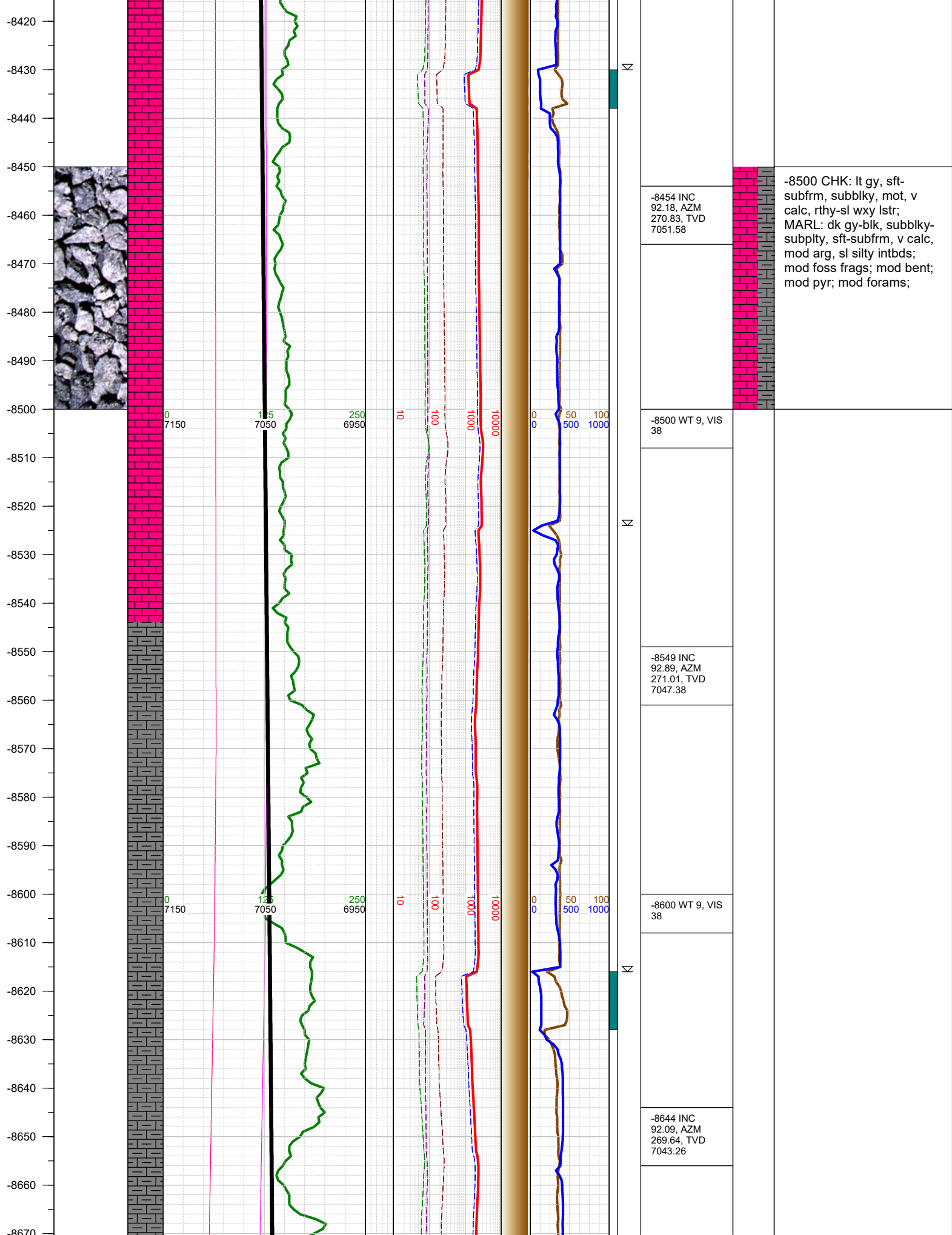


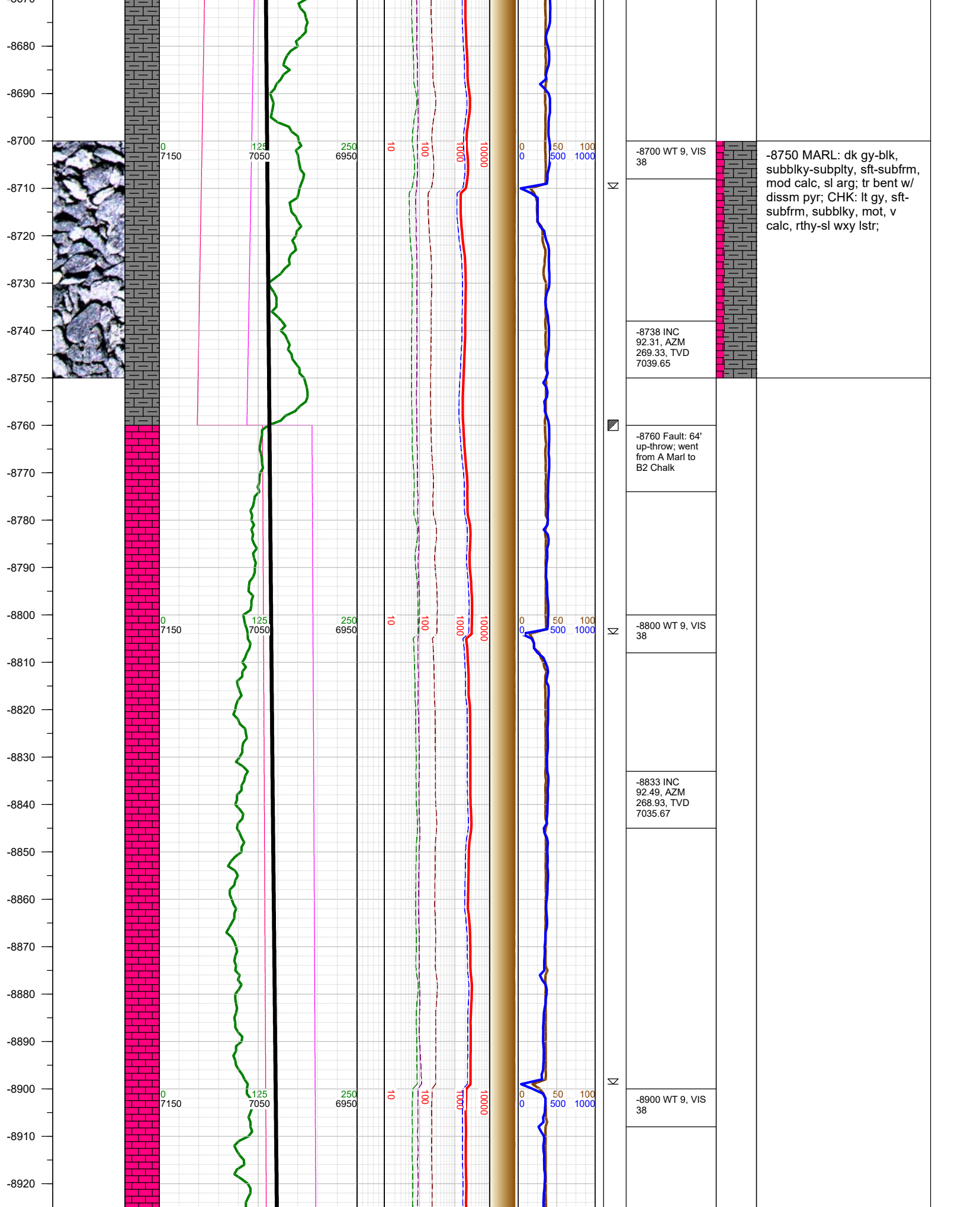


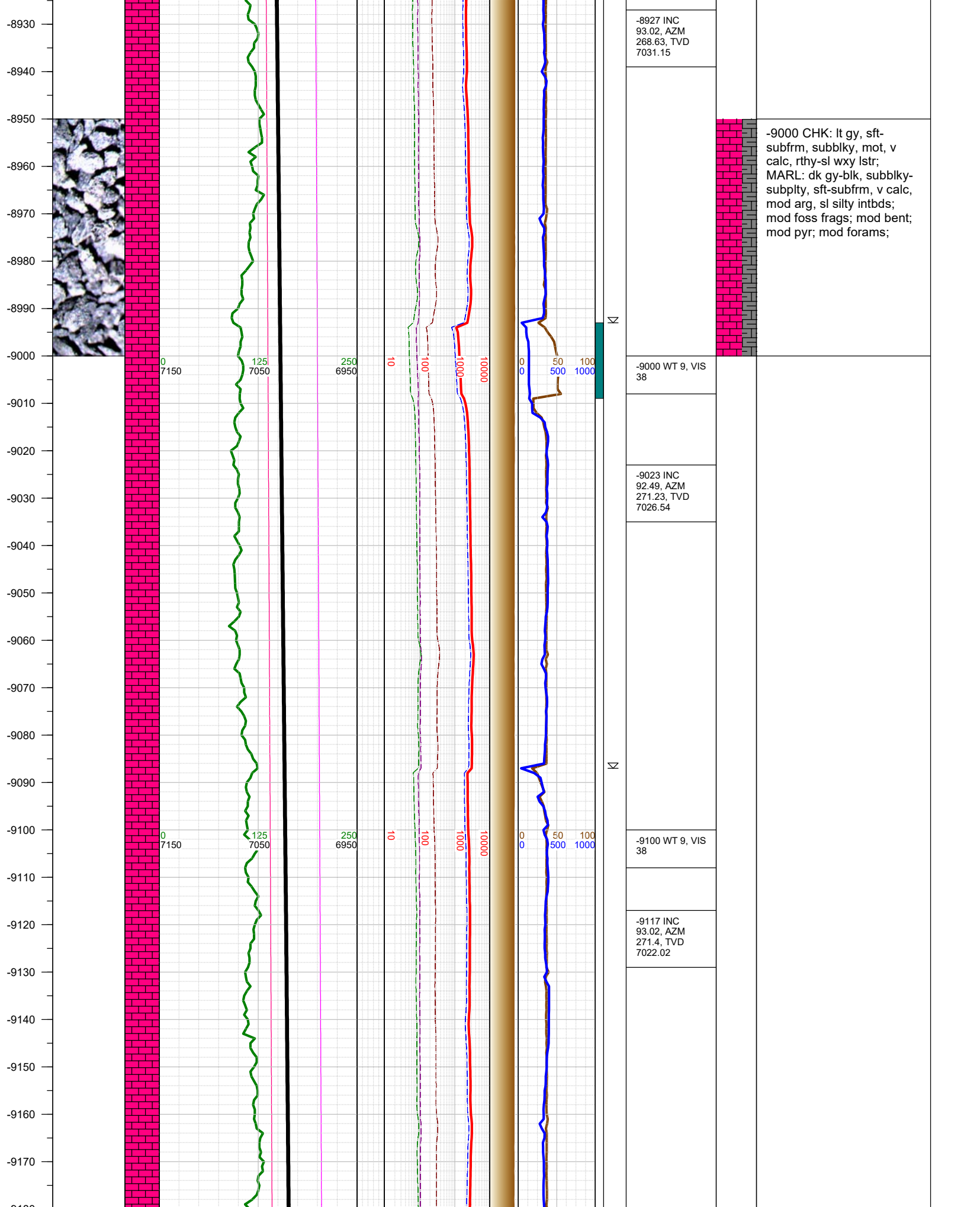


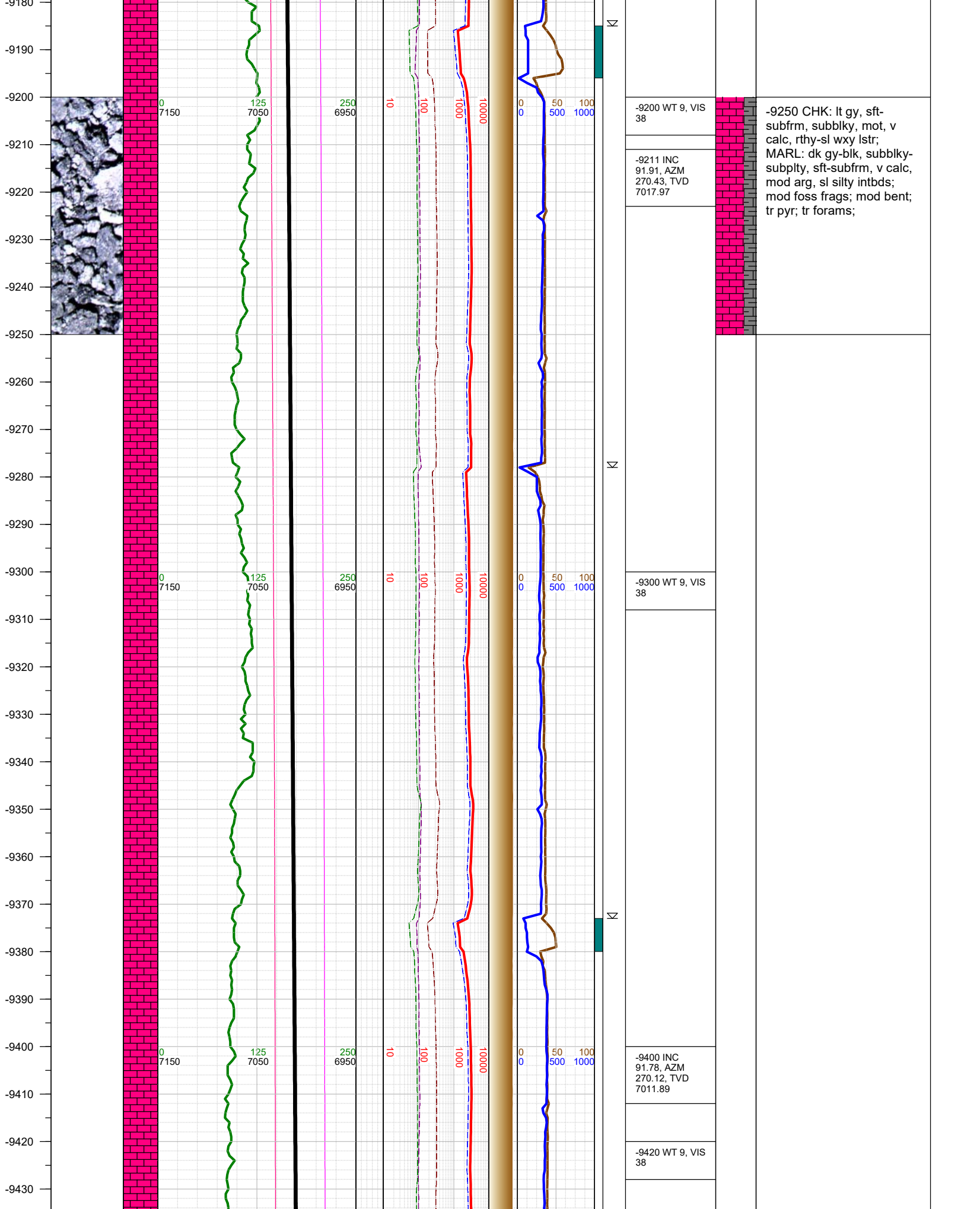




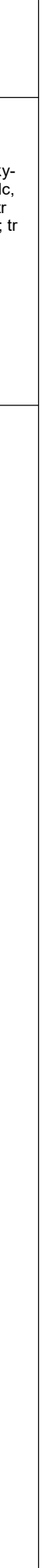
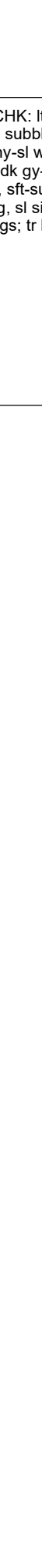
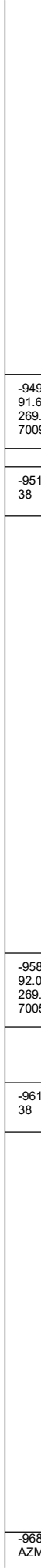
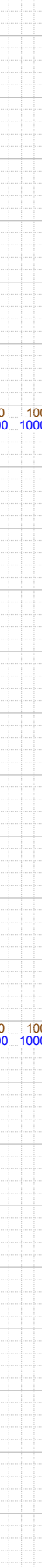
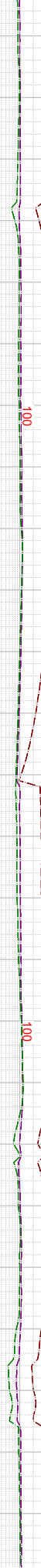
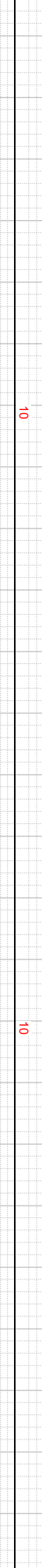
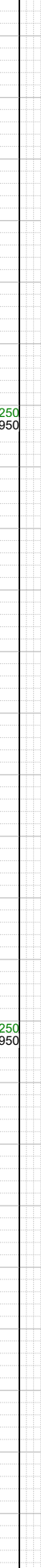
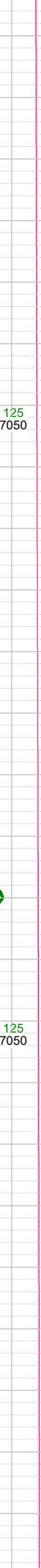
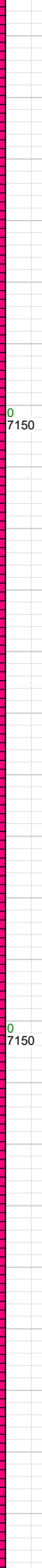
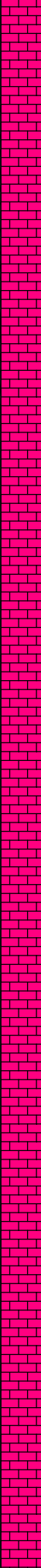
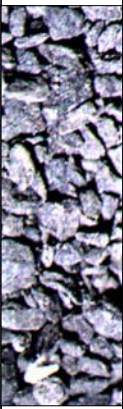








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-9500 CHK: lt gy, sft-subfrm, subblky, mot, v calc, rthy-sl wxy lstr; MARL: dk gy-blk, subblky-subplty, sft-subfrm, v calc, mod arg, sl silty intbds; tr foss frags; tr bent; tr pyr; tr forams;

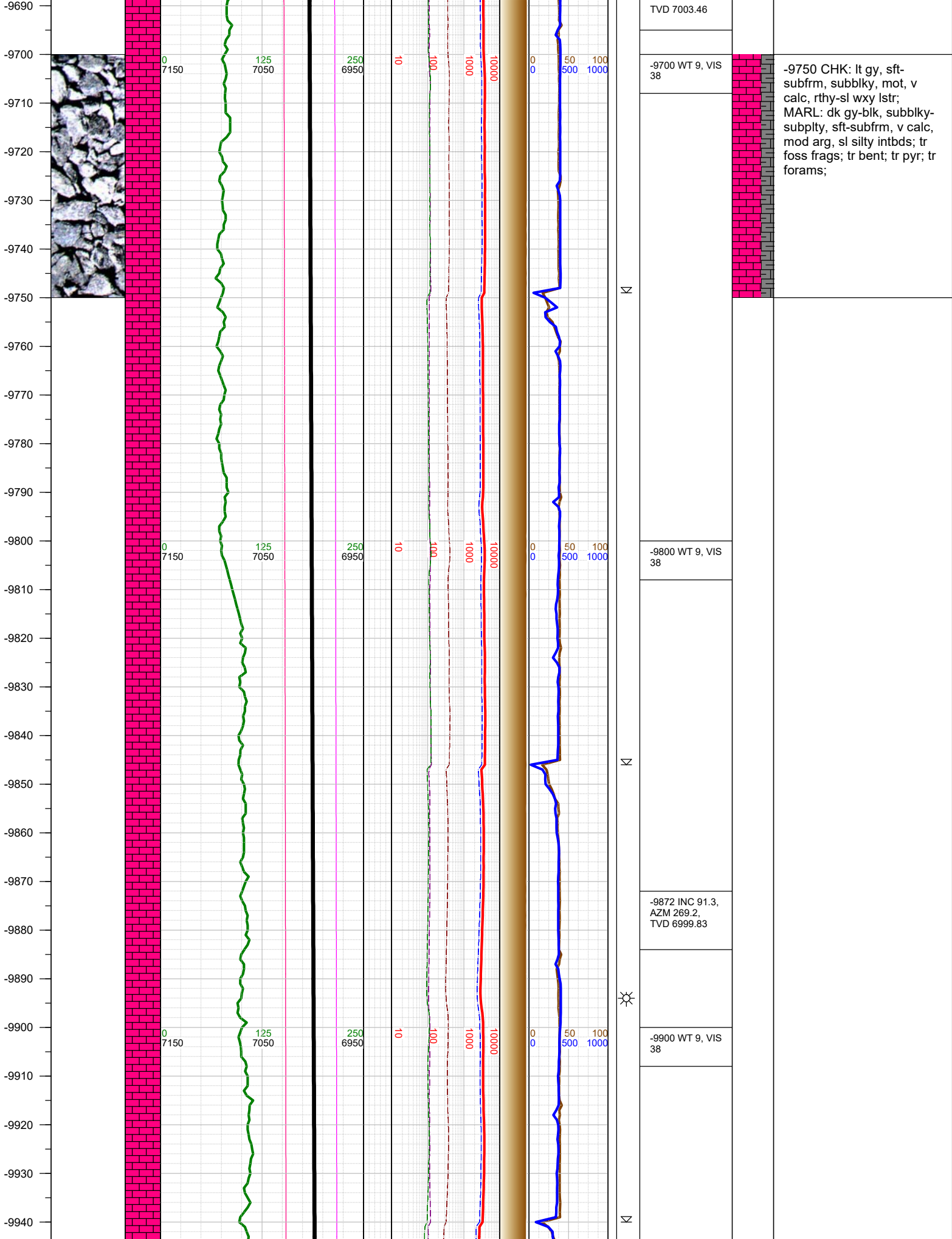
-9495 INC
91.69, AZM
269.9, TVD
7009.01

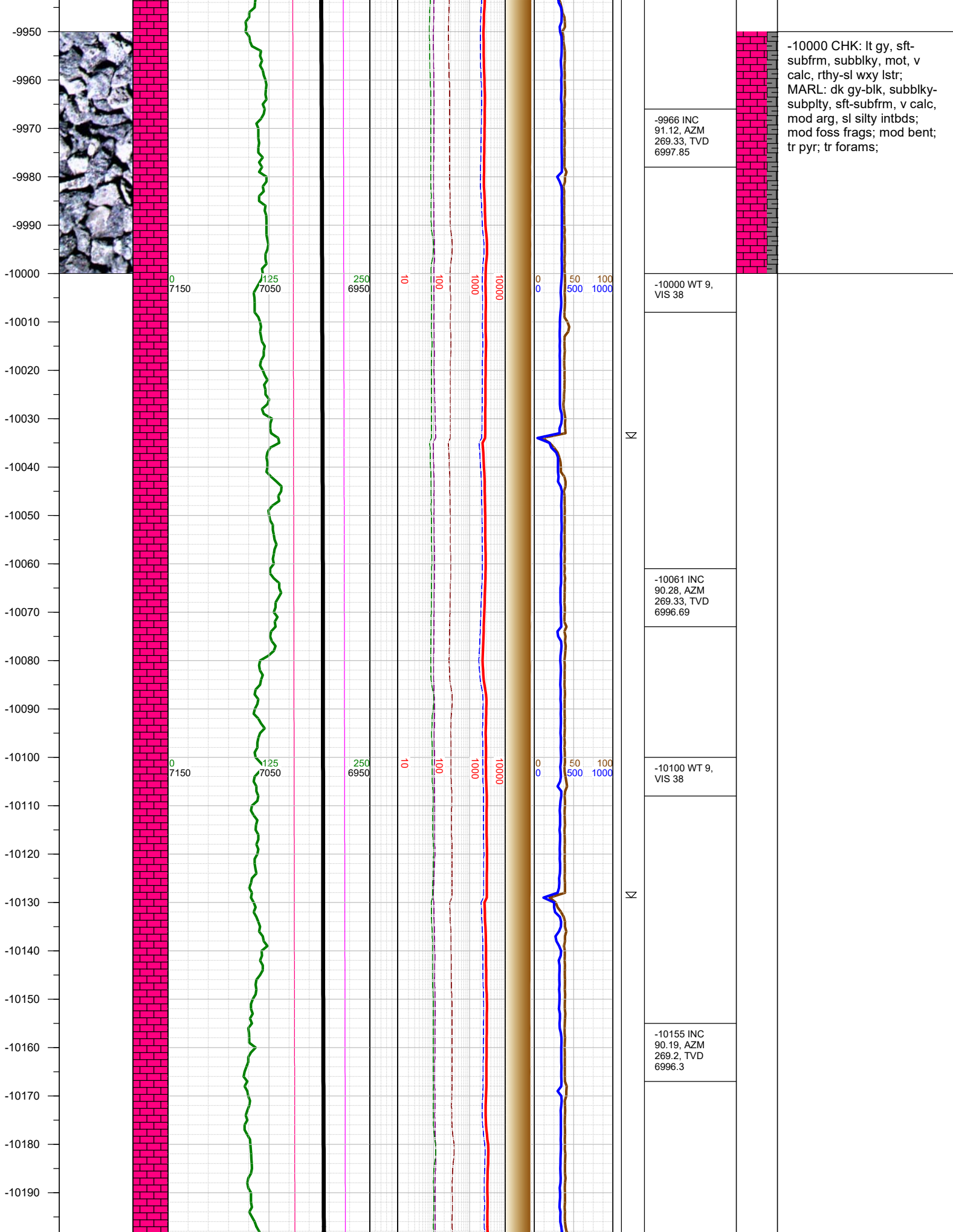
-9510 WT 9, VIS
38

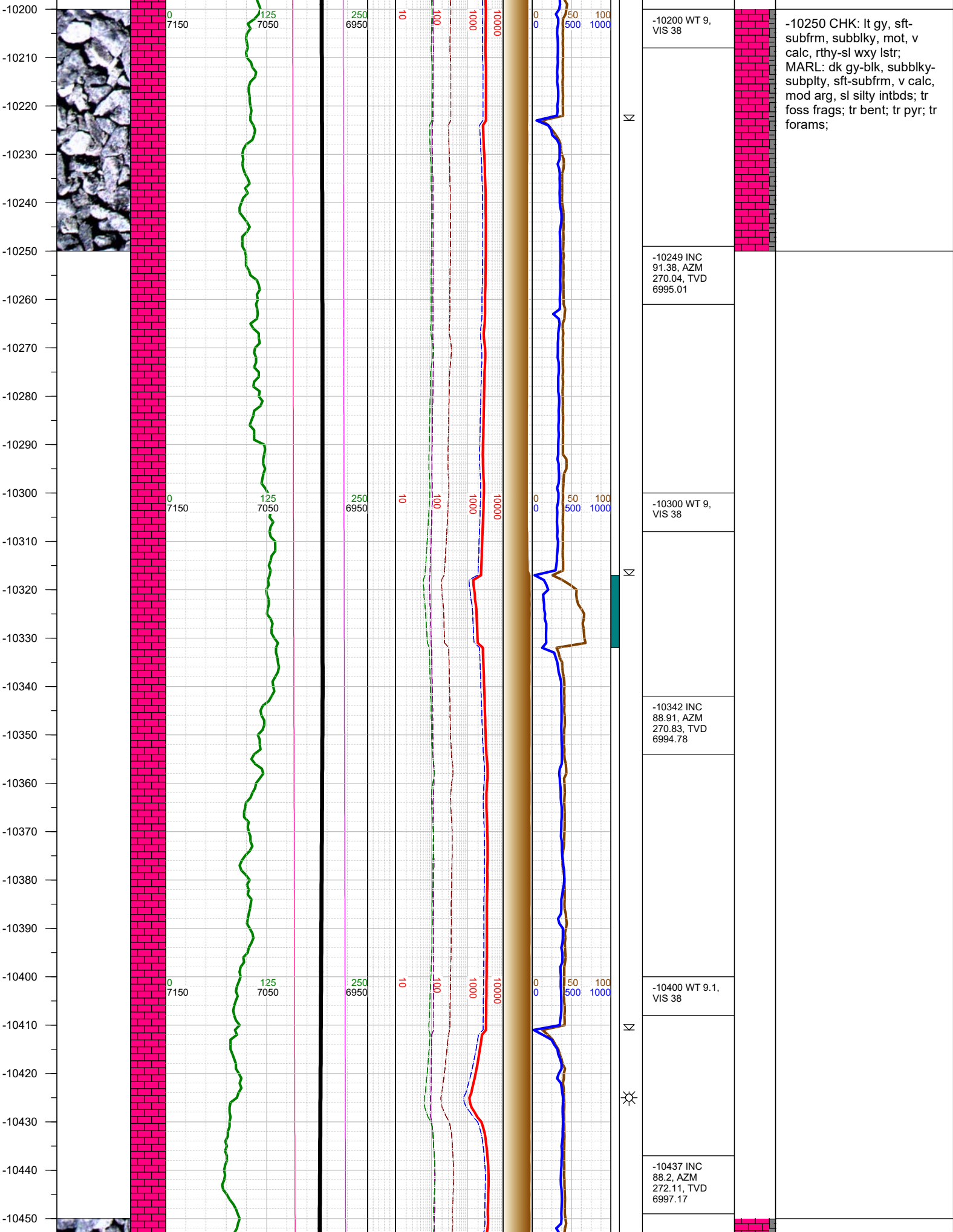
-9589 INC
92.09, AZM
269.64, TVD
7005.91

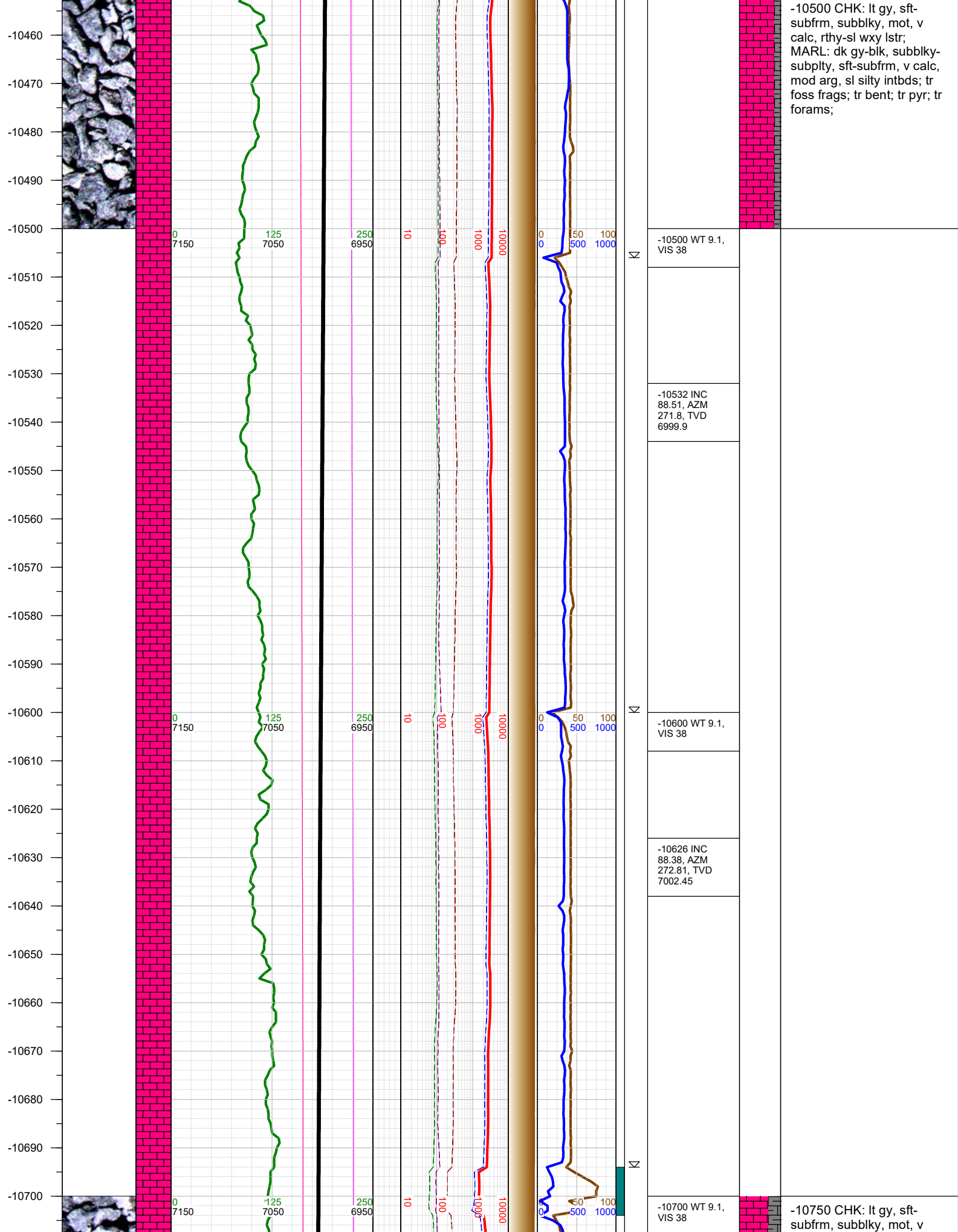
-9610 WT 9, VIS
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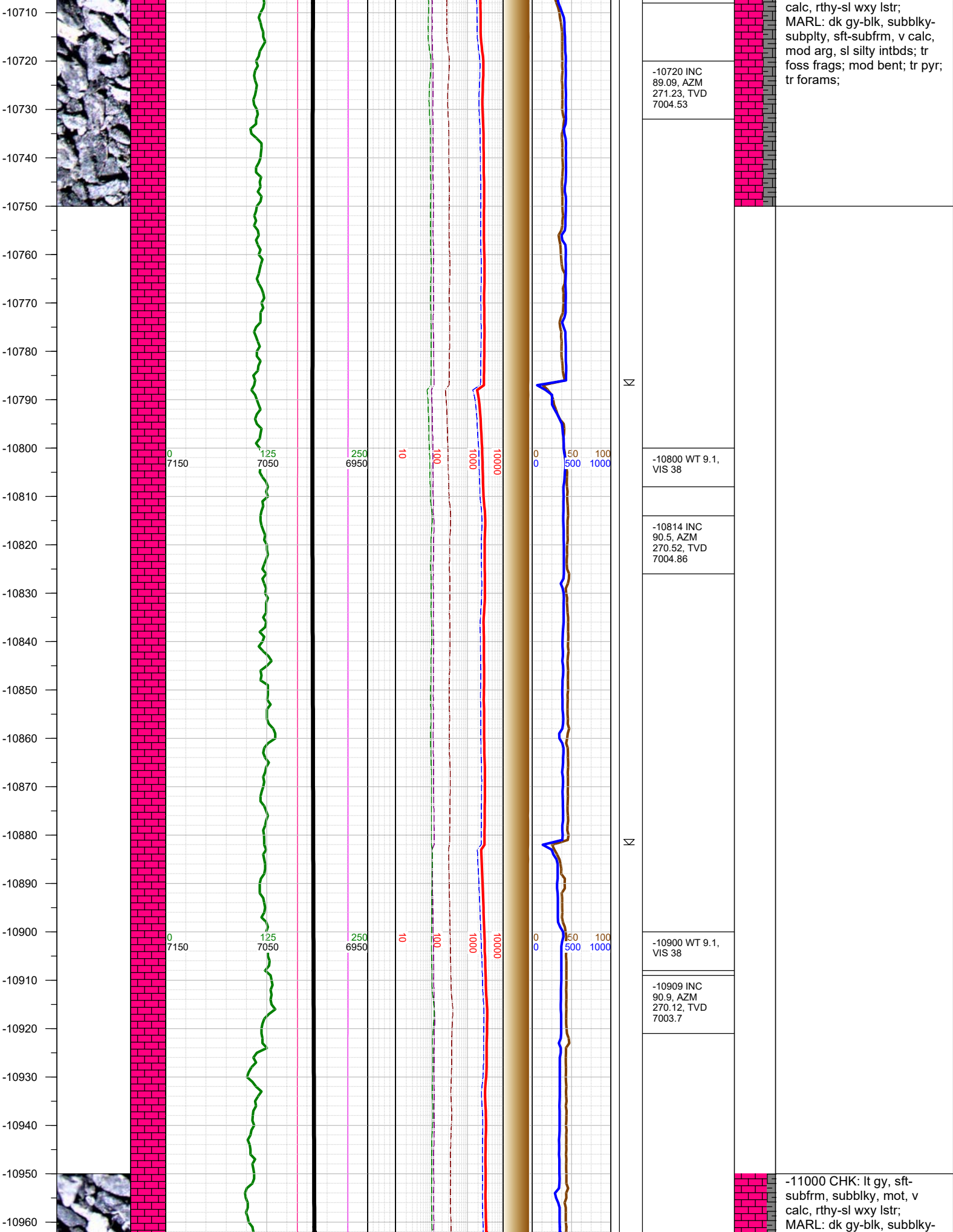
-9683 INC 90.9,
AZM 269.82,

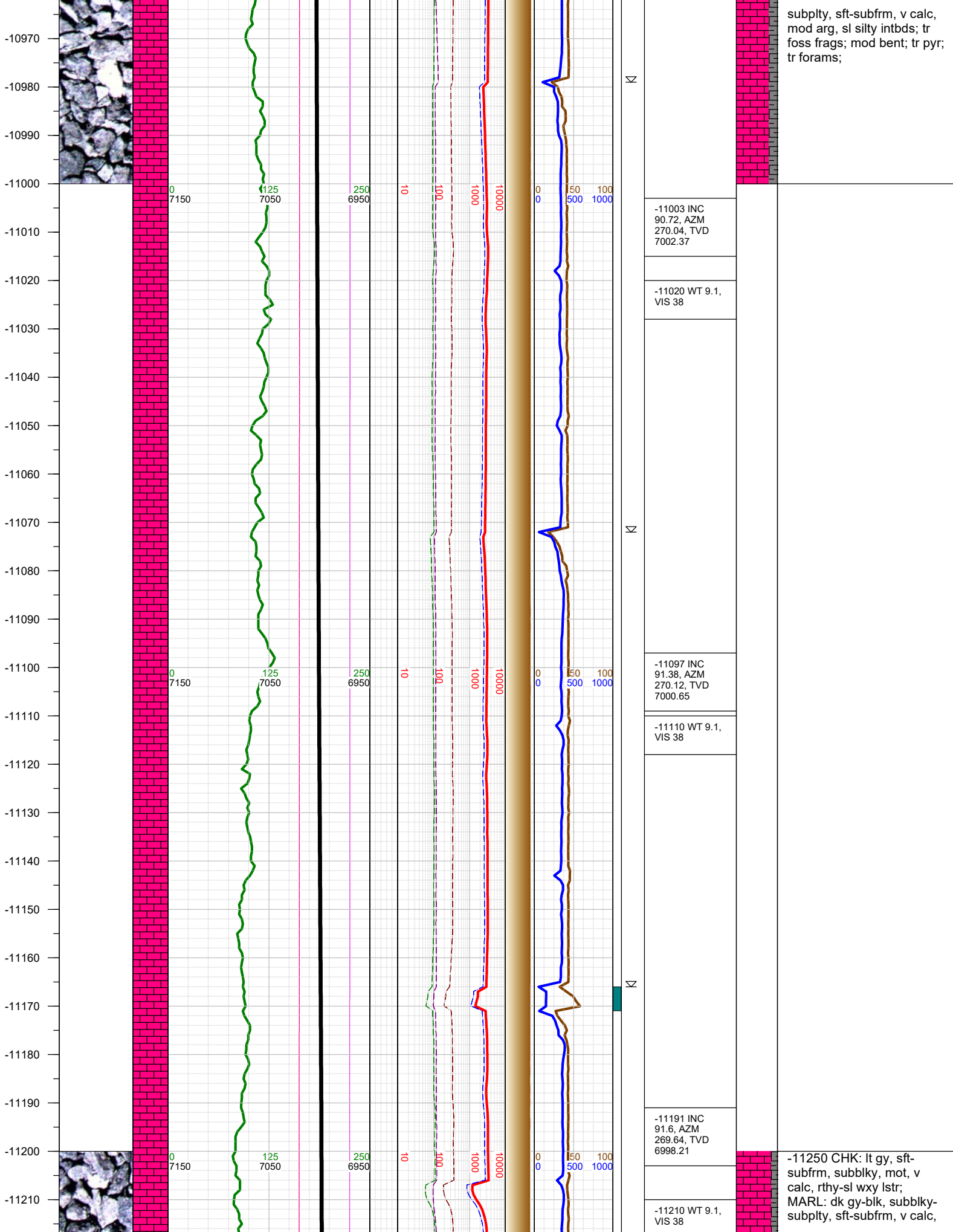


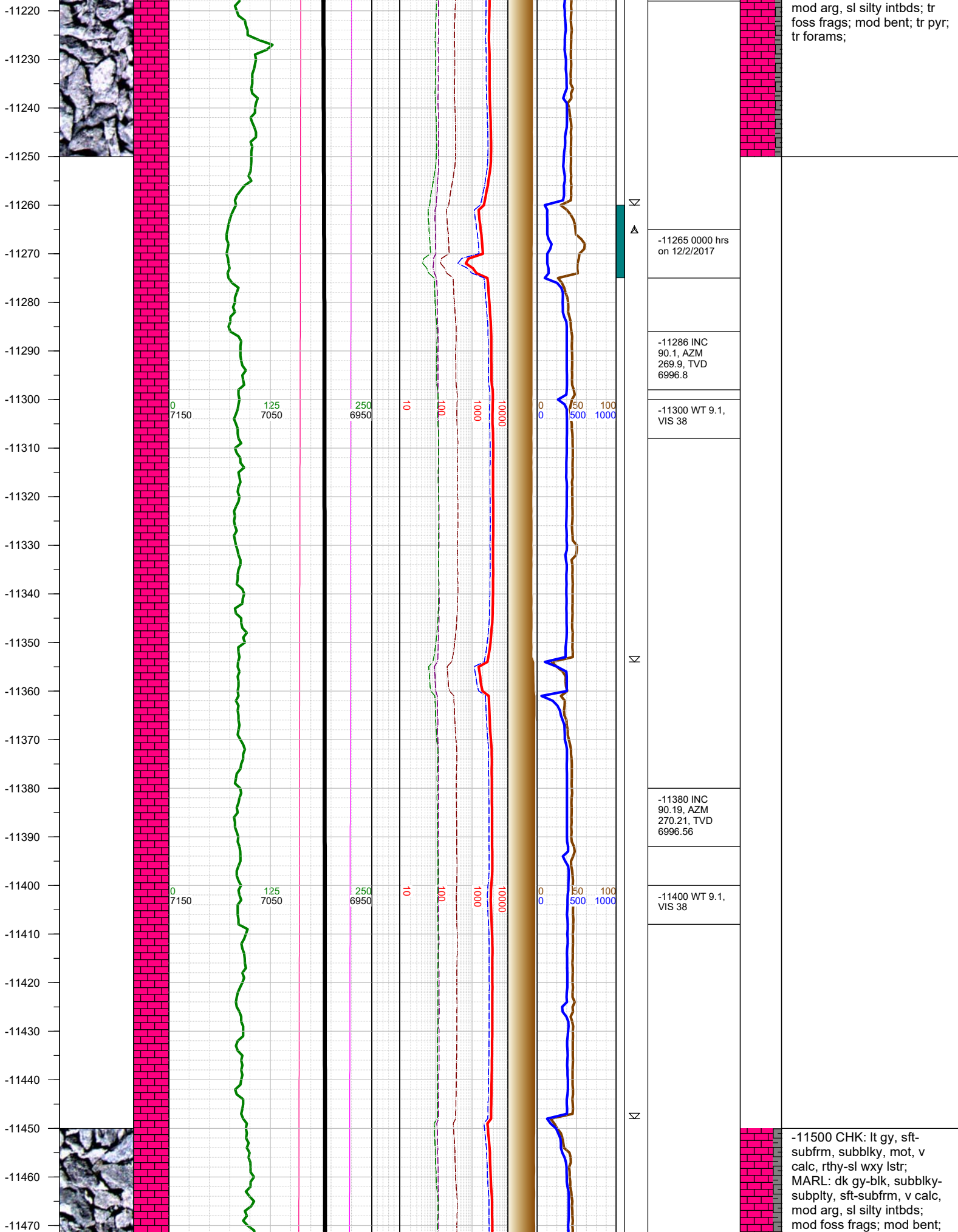




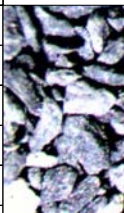
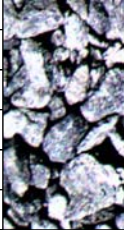








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-11474 INC
90.28, AZM
270.12, TVD
6996.17

-11500 WT 9.1,
VIS 38

-11568 INC
90.72, AZM
270.3, TVD
6995.35

-11600 WT 9.1,
VIS 38

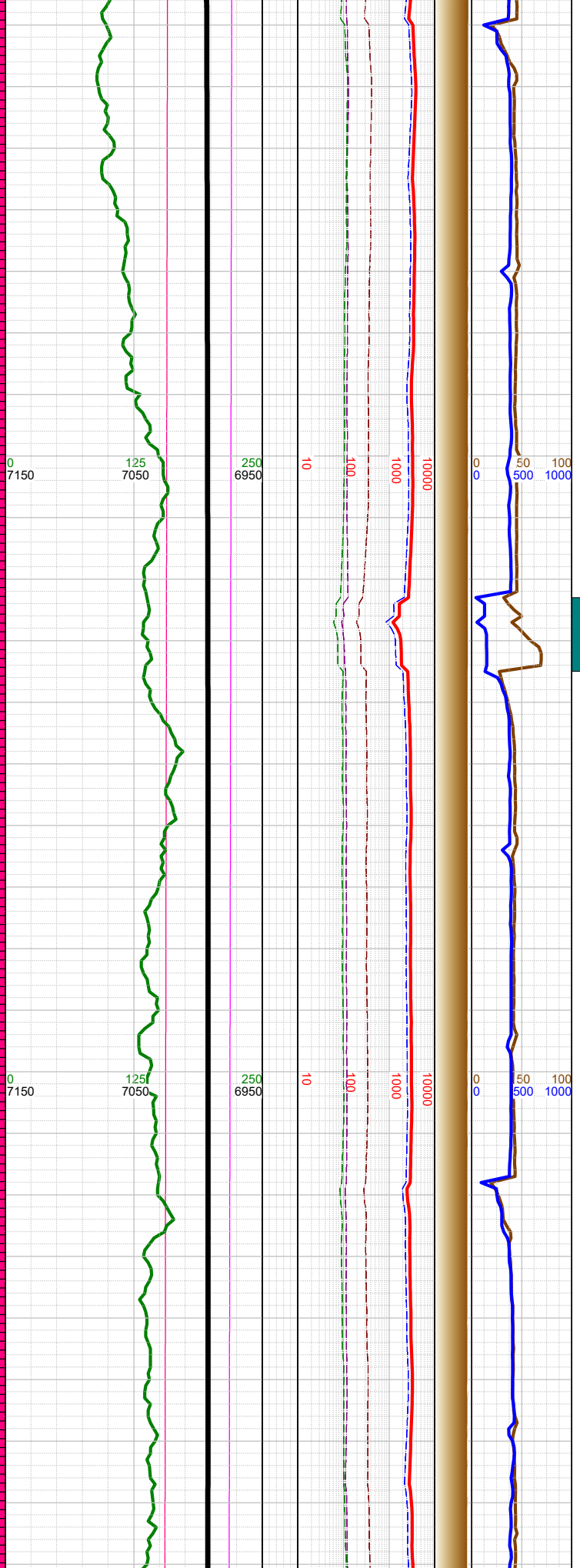
-11662 INC
90.59, AZM
270.43, TVD
6994.28

-11700 WT 9.1,
VIS 38

tr pyr; tr forams;

-11750 CHK: lt gy, sft-
subfrm, subblky, mot, v
calc, rthy-sl wxy lstr;
MARL: dk gy-blk, subblky-
subplty, sft-subfrm, v calc,
mod arg, sl silty intbds; tr
foss frags; mod bent; tr pyr;
tr forams;

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-11757 INC
90.9, AZM
270.83, TVD
6993.04

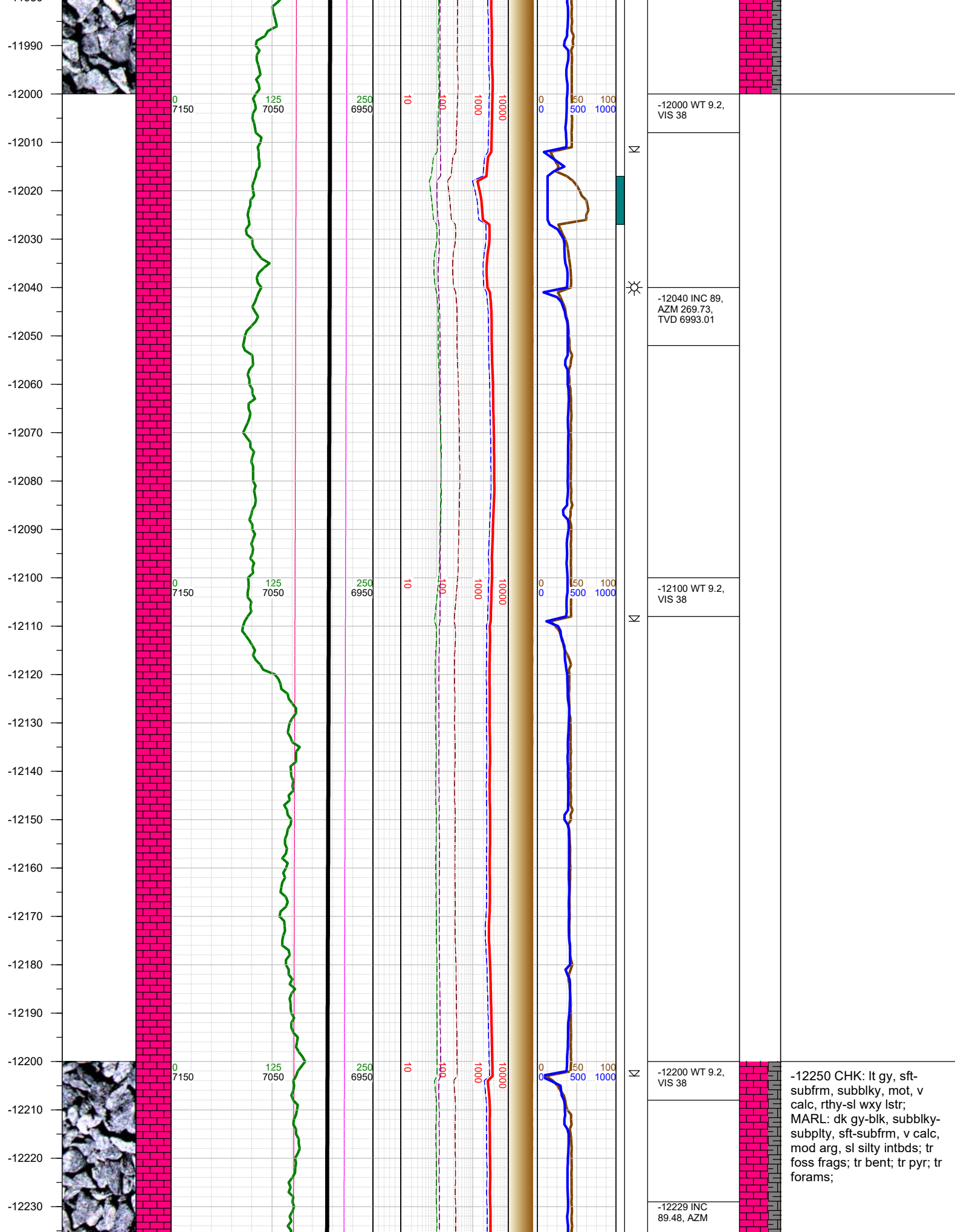
-11800 WT 9.1,
VIS 38

-11851 INC
89.88, AZM
269.9, TVD
6992.4

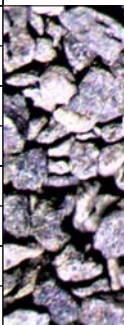
-11900 WT 9.2,
VIS 38

-11946 INC
90.19, AZM
271.14, TVD
6992.35

-12000 CHK: lt gy, sft-
subfrm, subblky, mot, v
calc, rthy-sl wxy lstr;
MARL: dk gy-blk, subblky-
subply, sft-subfrm, v calc,
mod arg, sl silty intbds; tr
foss frags; tr bent; tr pyr; tr
forams;



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-12470
-12480
-12490



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7050

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6950

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1000

10000

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0

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500

100
1000

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269.9, TVD
6995.52

-12300 WT 9.2,
VIS 38

-12323 INC
89.79, AZM
268.93, TVD
6996.12

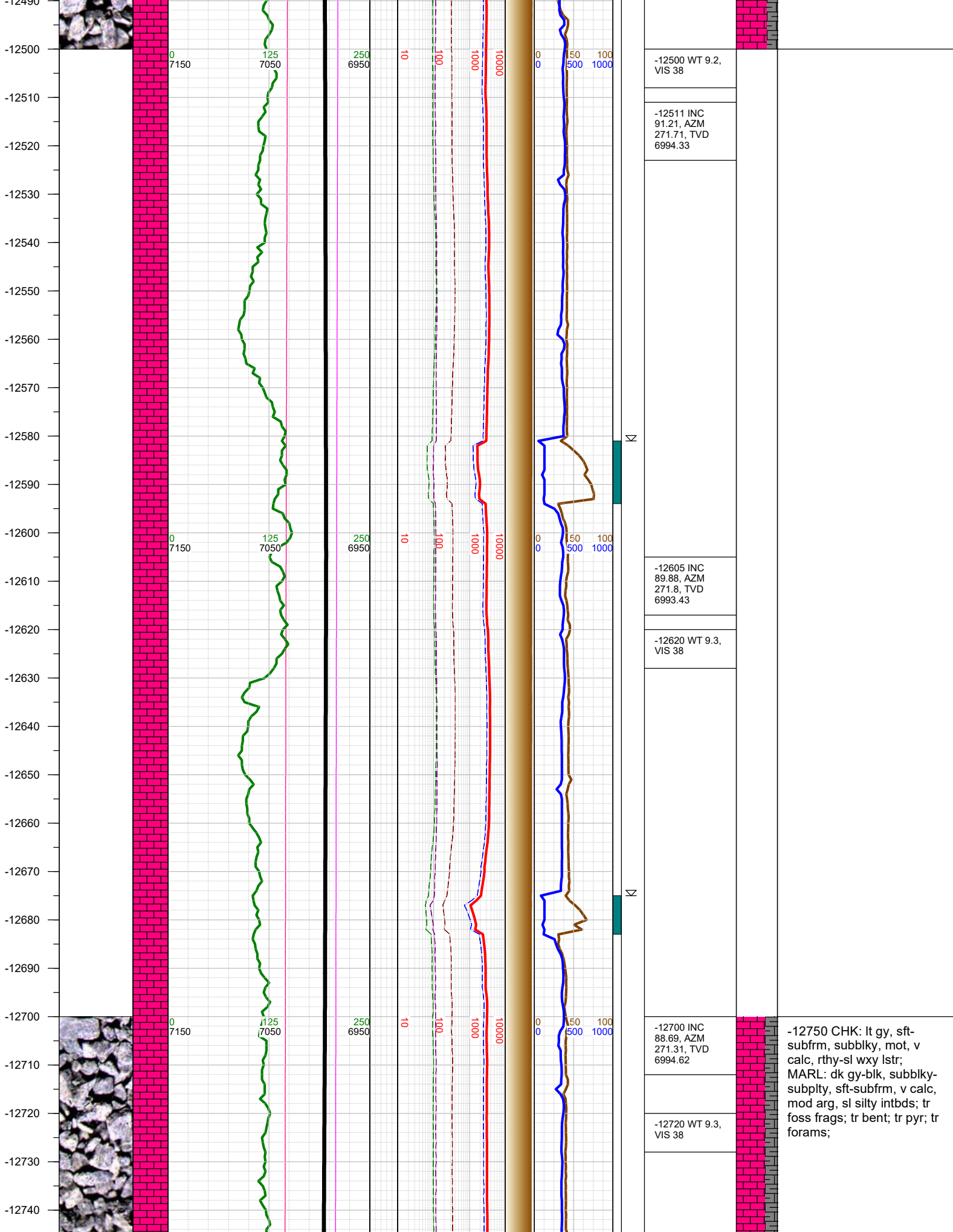
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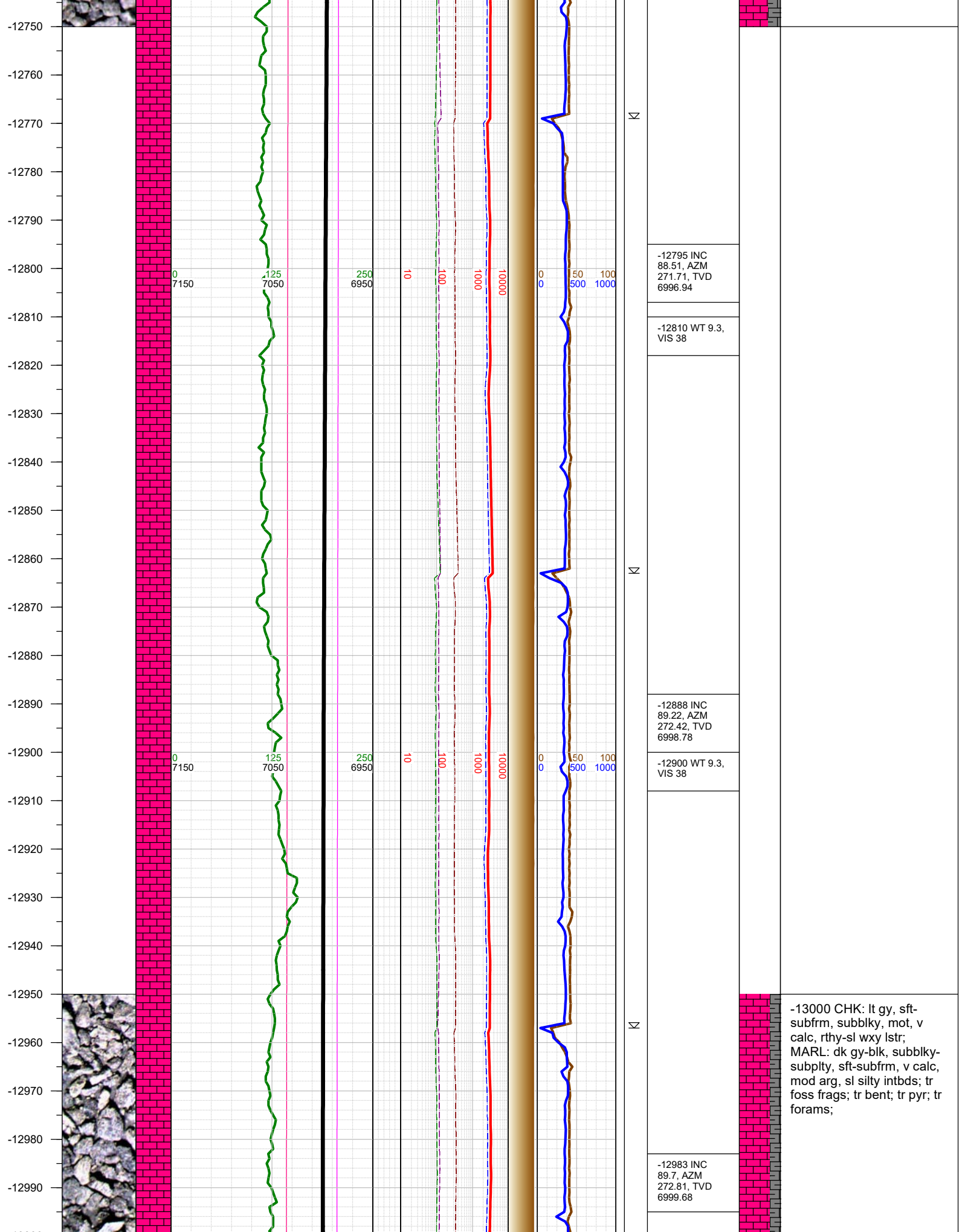
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VIS 38

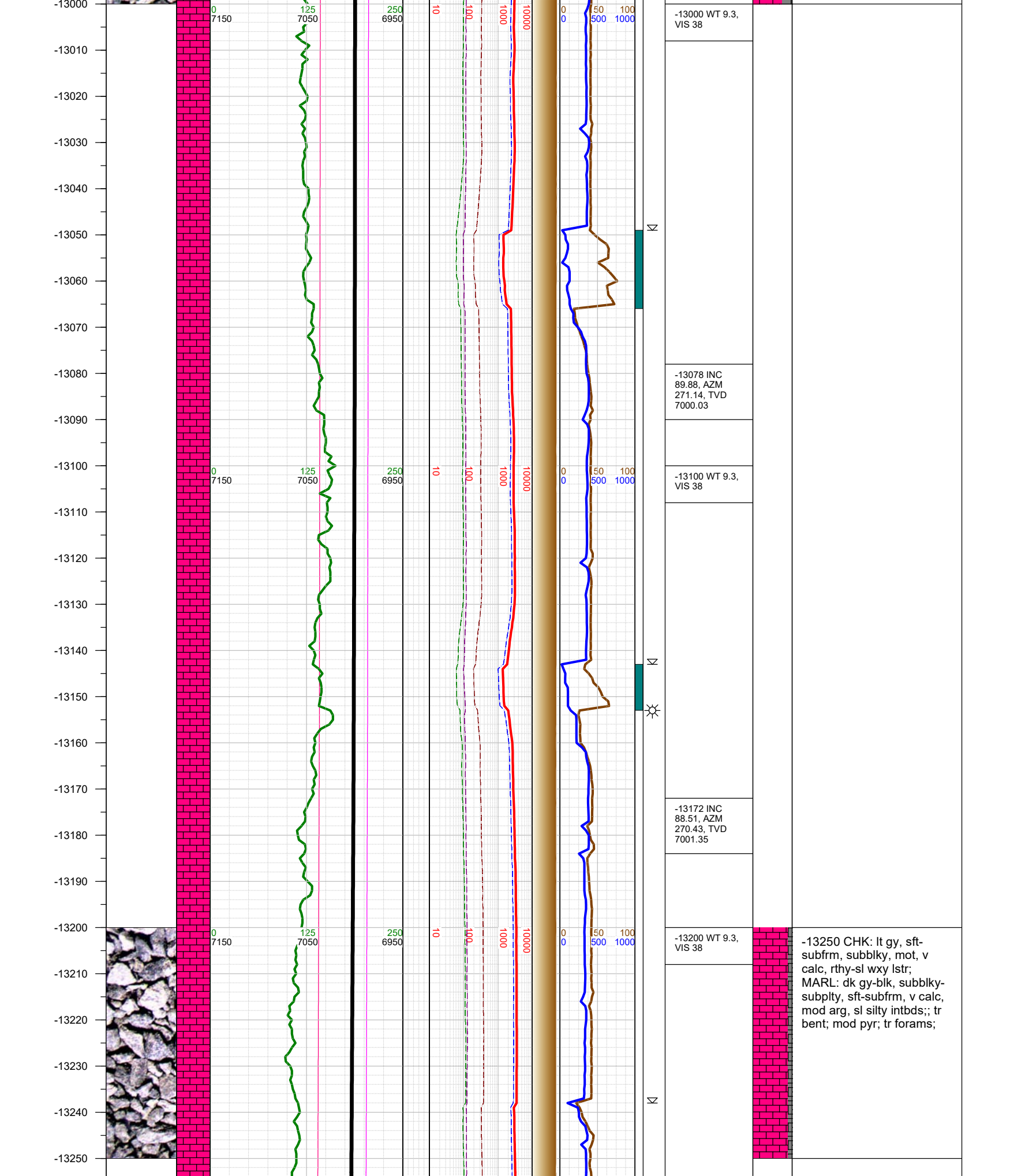
-12417 INC
90.59, AZM
271.4, TVD
6995.8

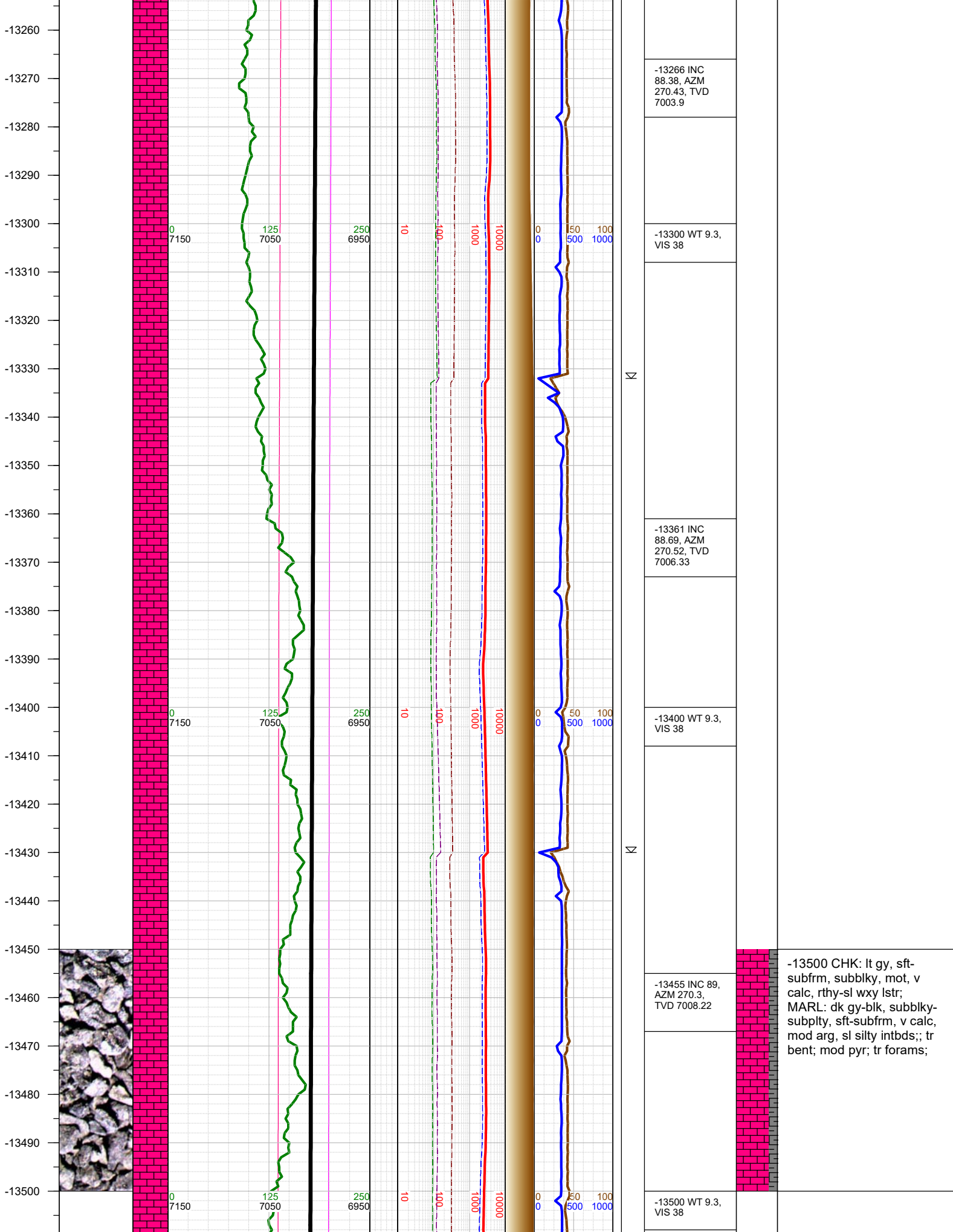
Σ

-12500 CHK: lt gy, sft-
subfrm, subblky, mot, v
calc, rthy-sl wxy lstr;
MARL: dk gy-blk, subblky-
subply, sft-subfrm, v calc,
mod arg, sl silty intbds; tr
foss frags; tr bent; tr pyr; tr
forams;

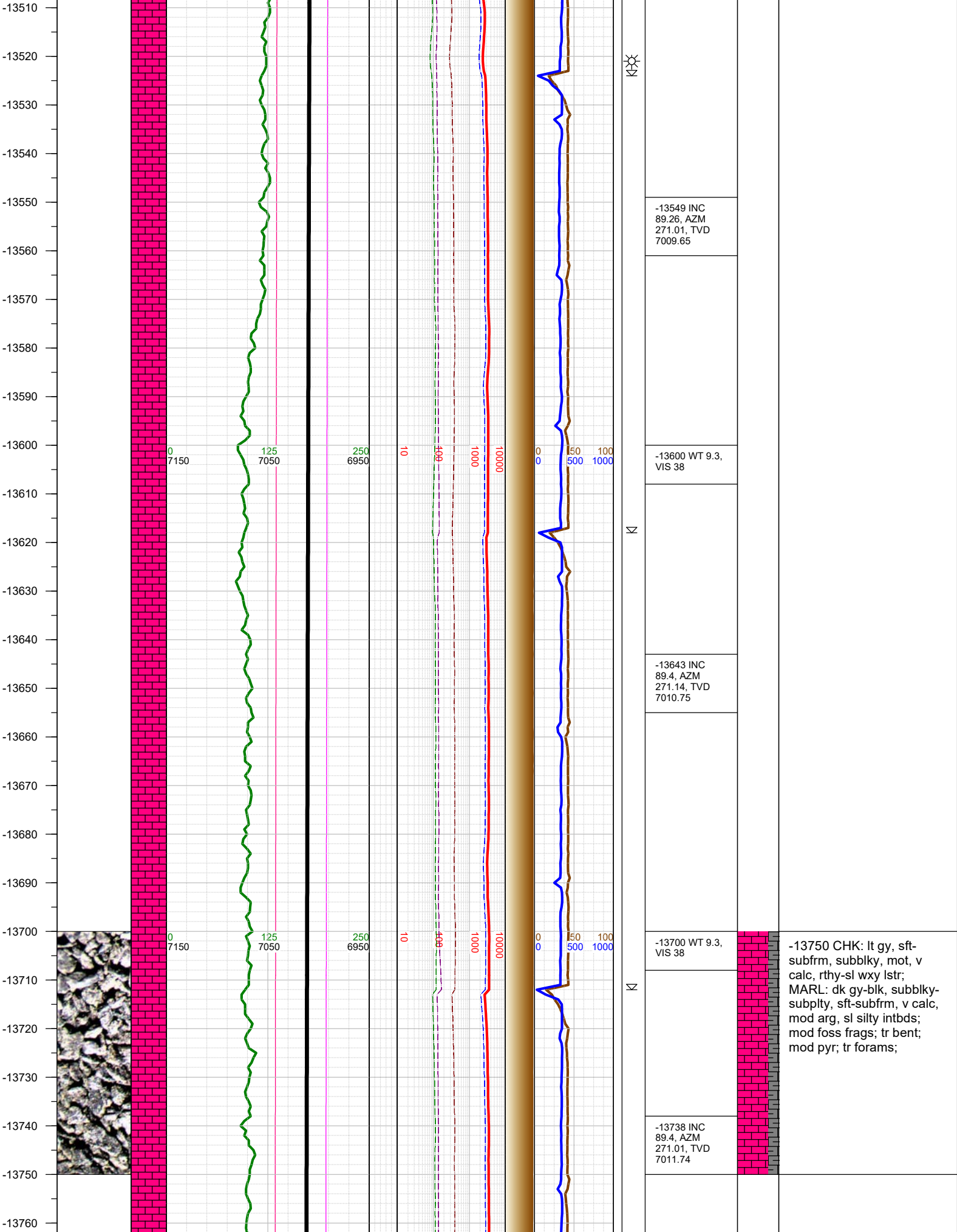


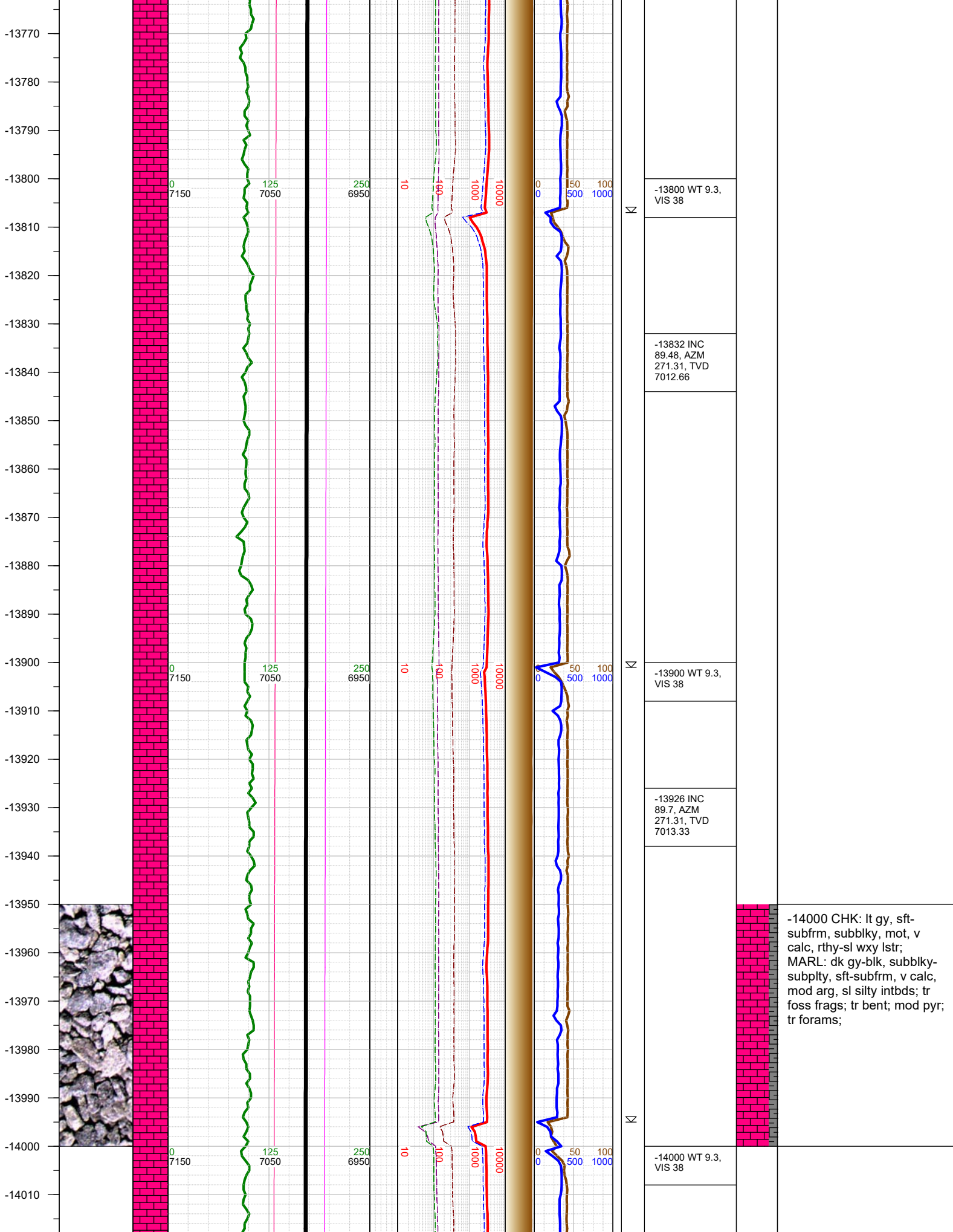






-13500 CHK: lt gy, sft-subfrm, subblky, mot, v calc, rthy-sl wxy lstr; MARL: dk gy-blk, subblky-subply, sft-subfrm, v calc, mod arg, sl silty intbds;; tr bent; mod pyr; tr forams;





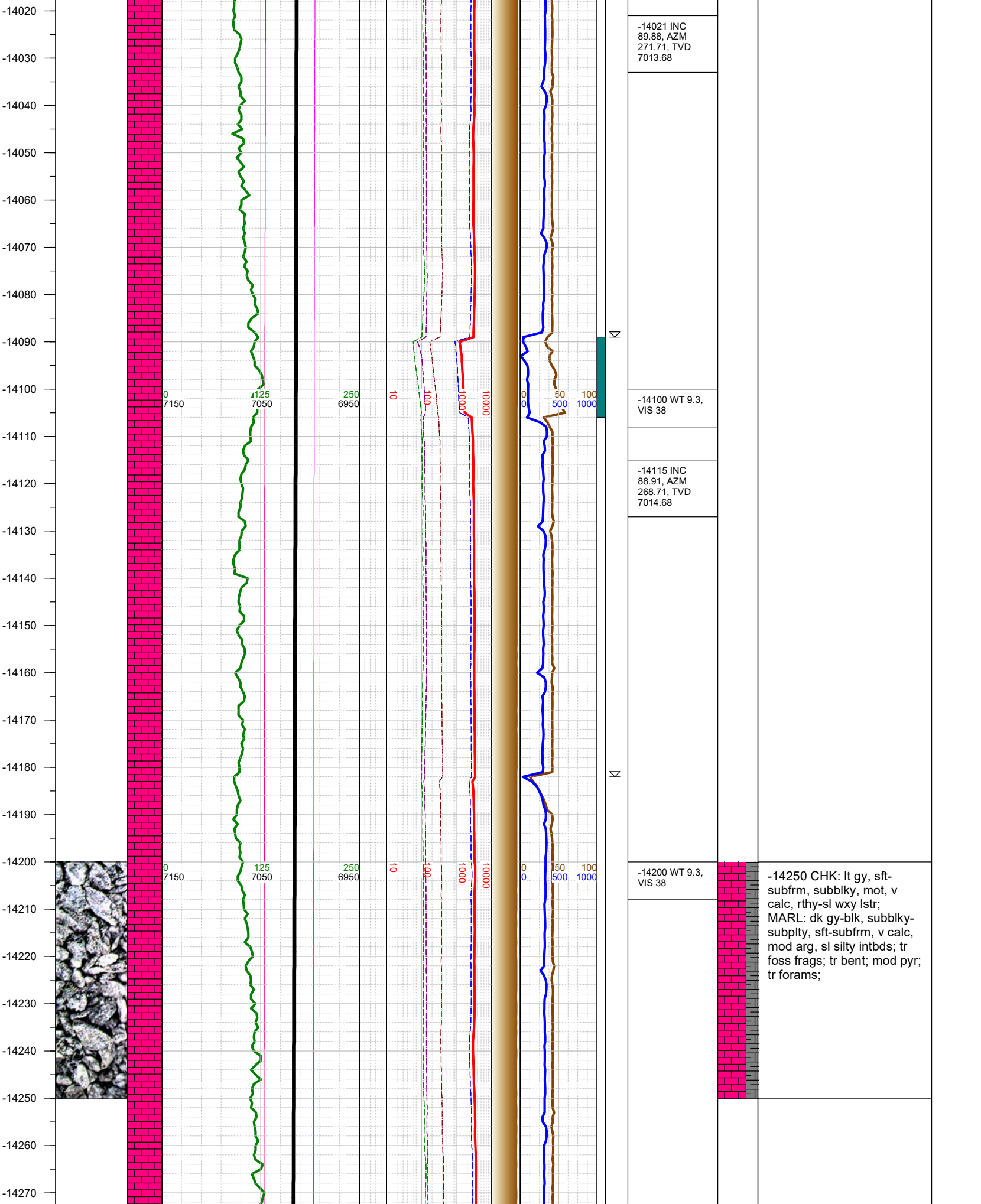
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VIS 38

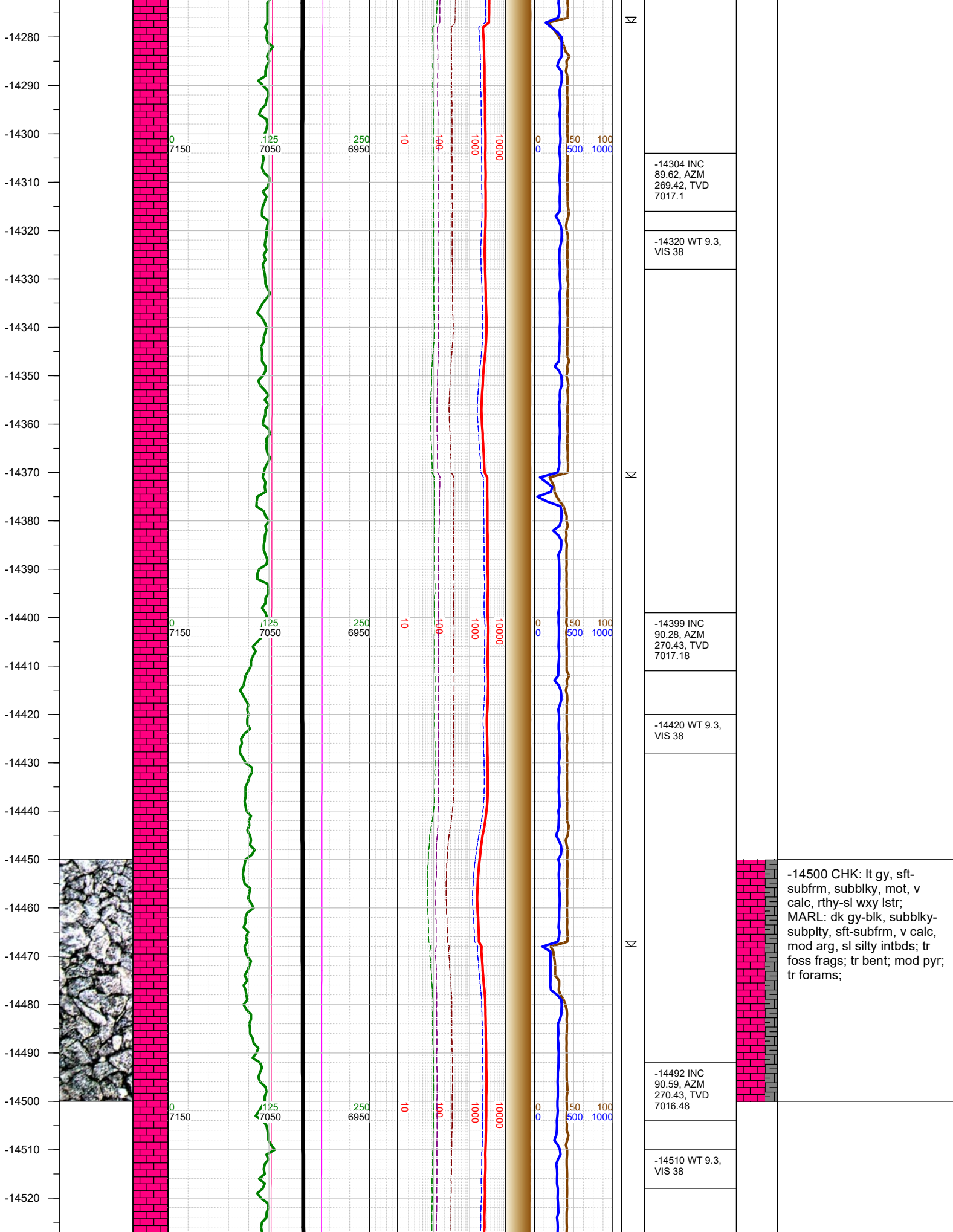
-13832 INC
89.48, AZM
271.31, TVD
7012.66

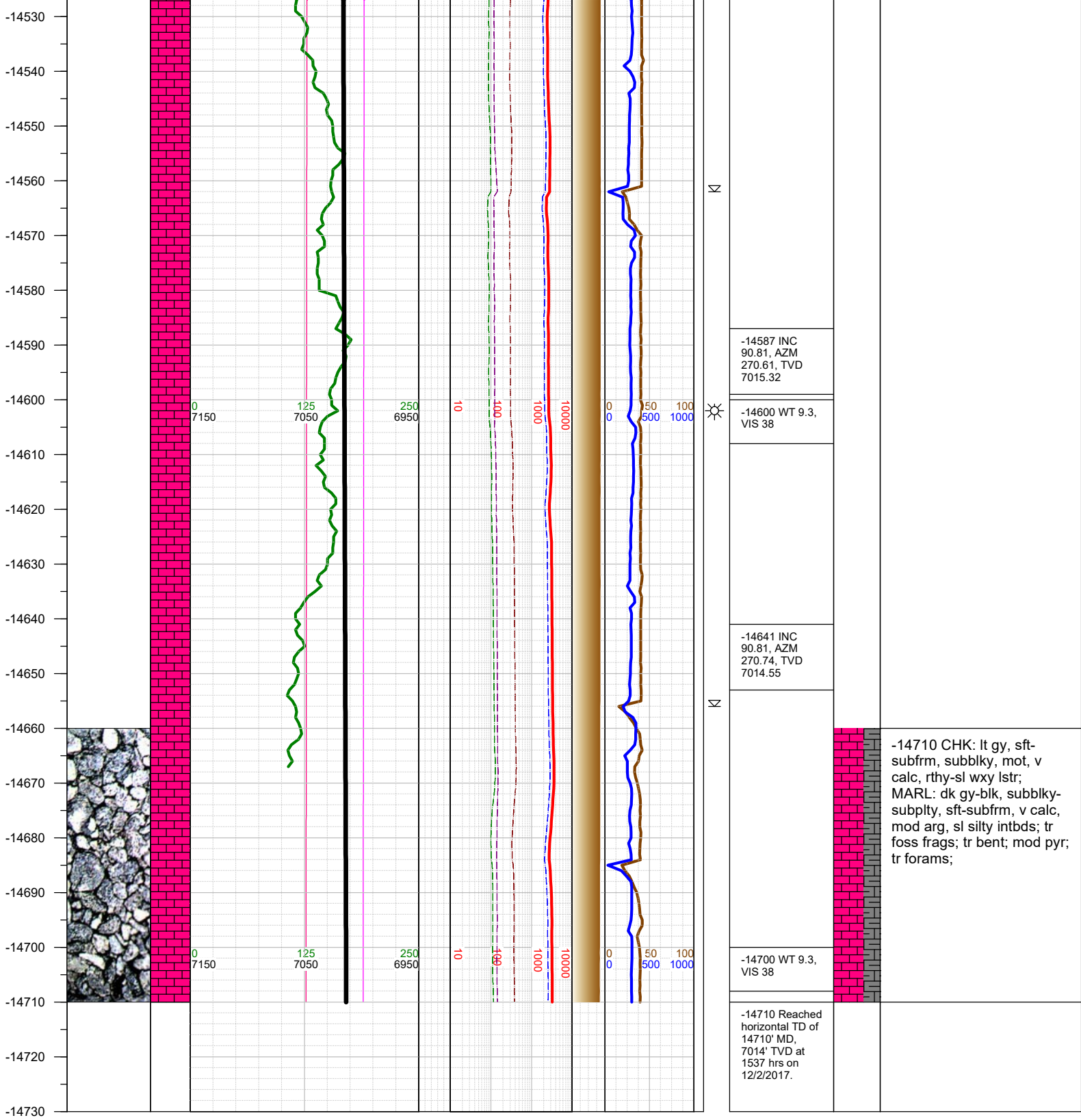
-13900 WT 9.3,
VIS 38

-13926 INC
89.7, AZM
271.31, TVD
7013.33

-14000 WT 9.3,
VIS 38







TOTAL DEPTH = 14710'

Thank you for using Earth Science Agency