

OPERATOR: **Extraction Oil & Gas**
WELL NAME: **MT Fed Glenfair 8W-20-22**
FIELD NAME: DJ Basin - Wattenberg
DRILLING RIG: Patterson 901
API #: 05-123-42169

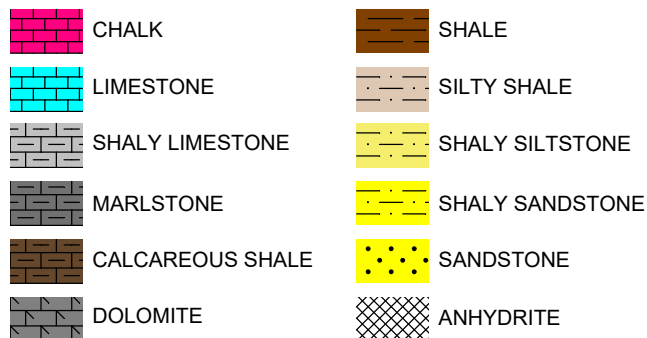
LAT/LONG: 40.41763, -104.67166
SURFACE HOLE: NENW S9-T5N-R65W, 1164' FNL, 1755' FWL
BOTTOM HOLE: S7-T5N-R65W, 744' FSL, 460' FWL



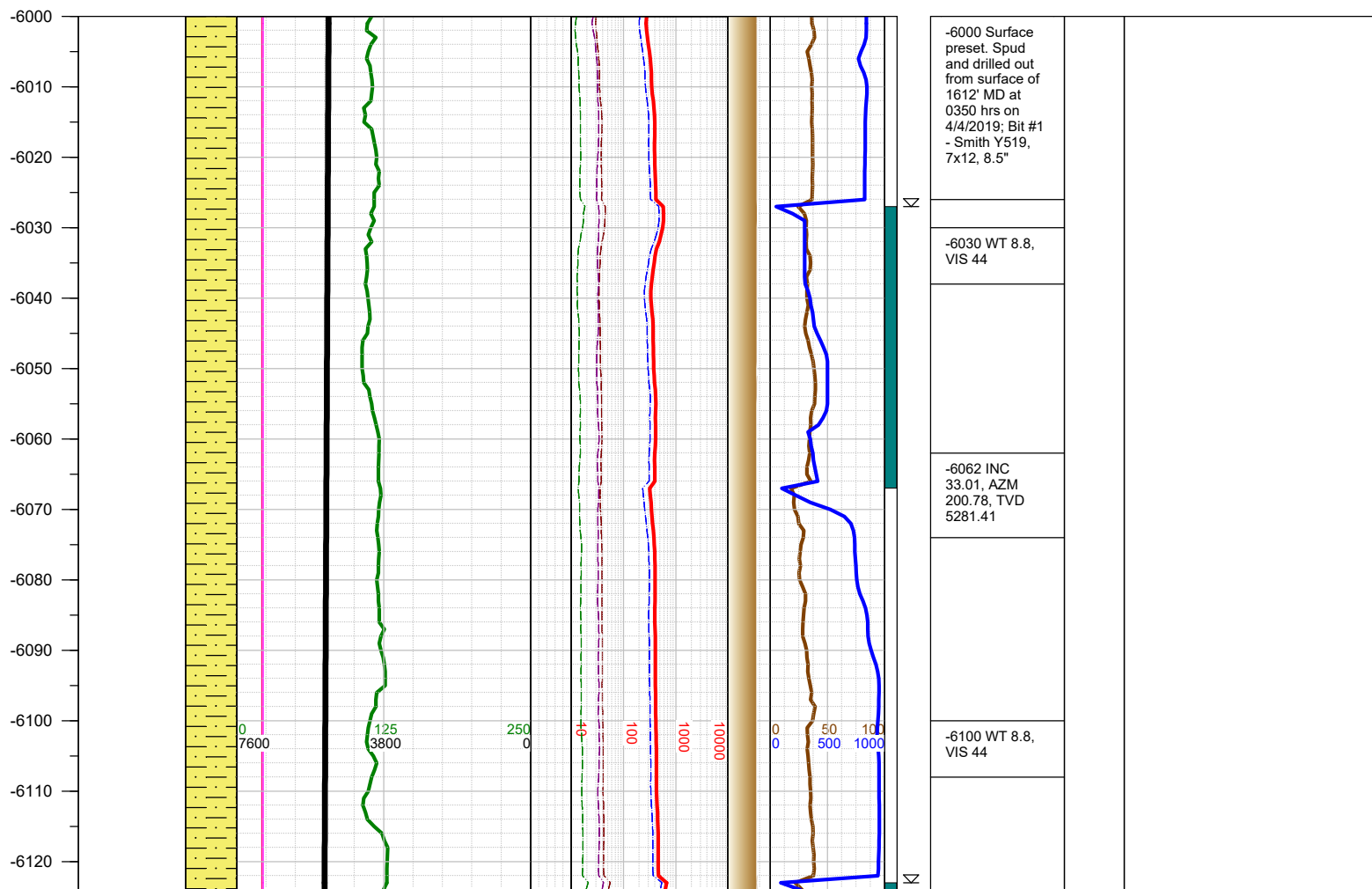
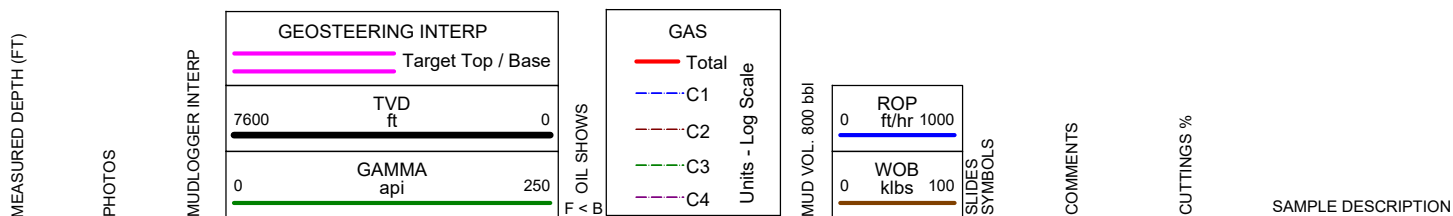
Earth Science Agency, LLC

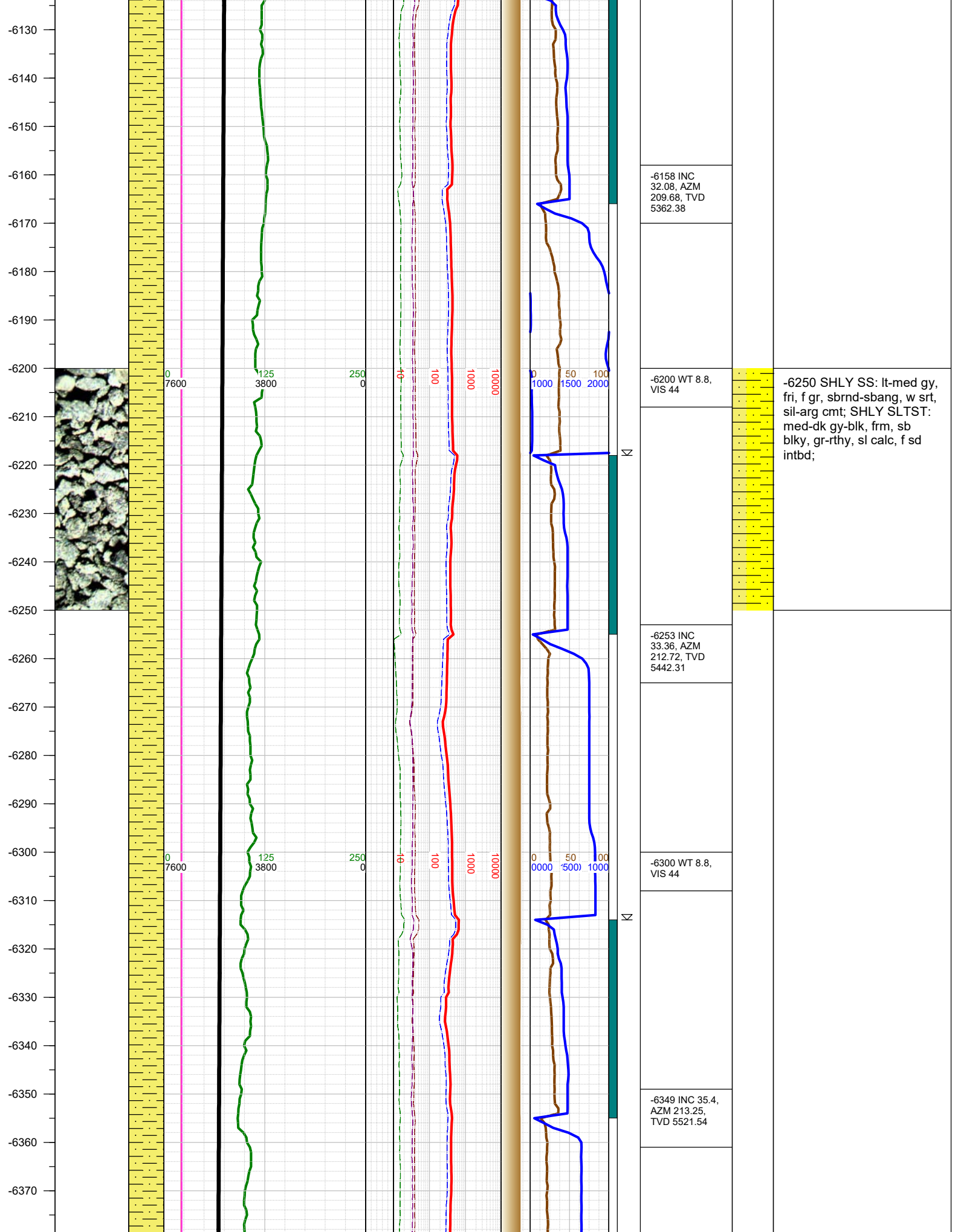
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 4636'
KELLY BUSHING: 4665'
DRILLING FLUID: OBM
TVD VS. MD: 6965' / 17930'
SPUD DATE: April 4, 2019
TD DATE: April 6, 2019
DEPTHS LOGGED: 6000' - 17930'
DATES LOGGED: April 4, 2019 - April 6, 2019
GEOLOGISTS: Dominic Pitre, Zak Lewis
SCALE: 5" = 100'

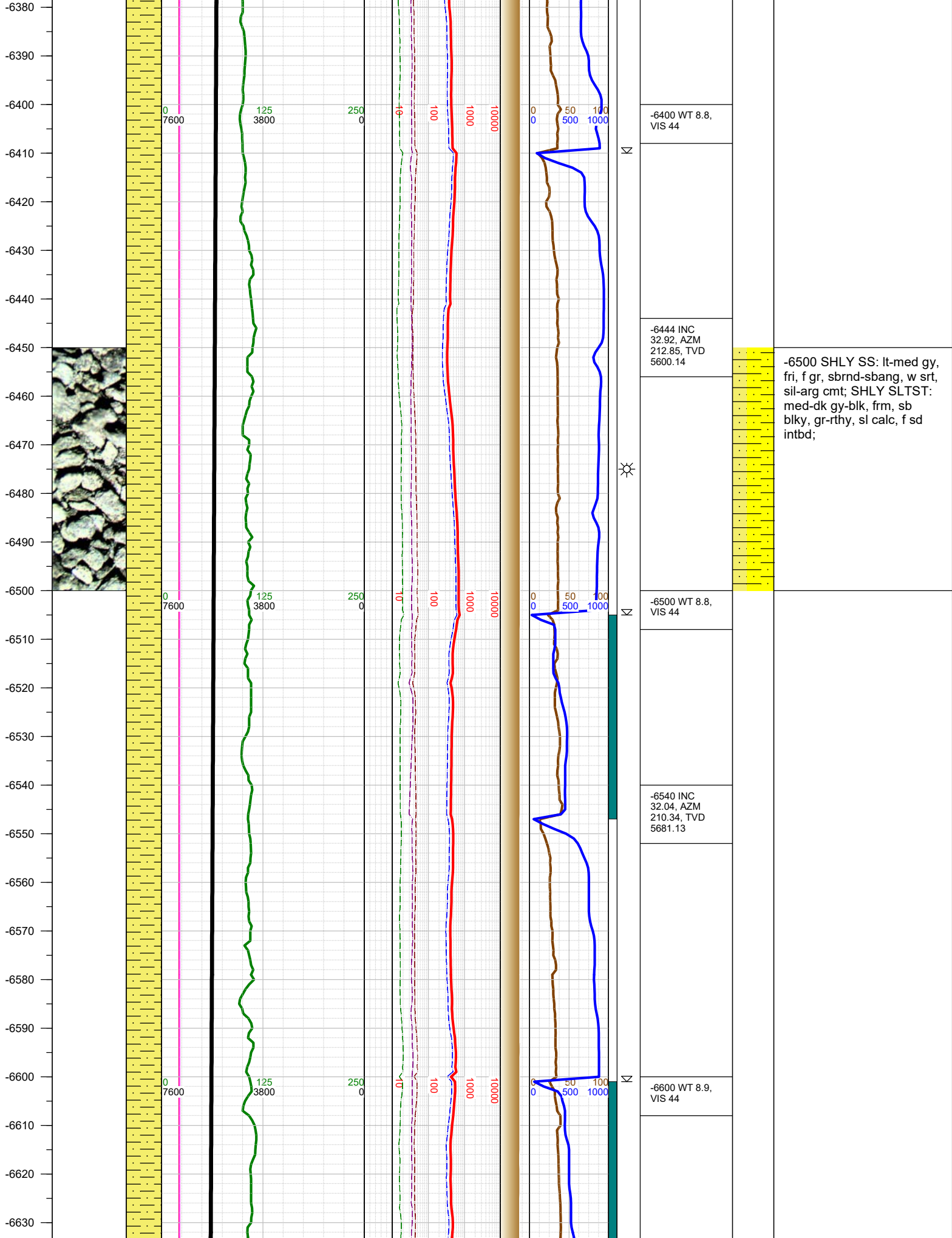
LEGEND

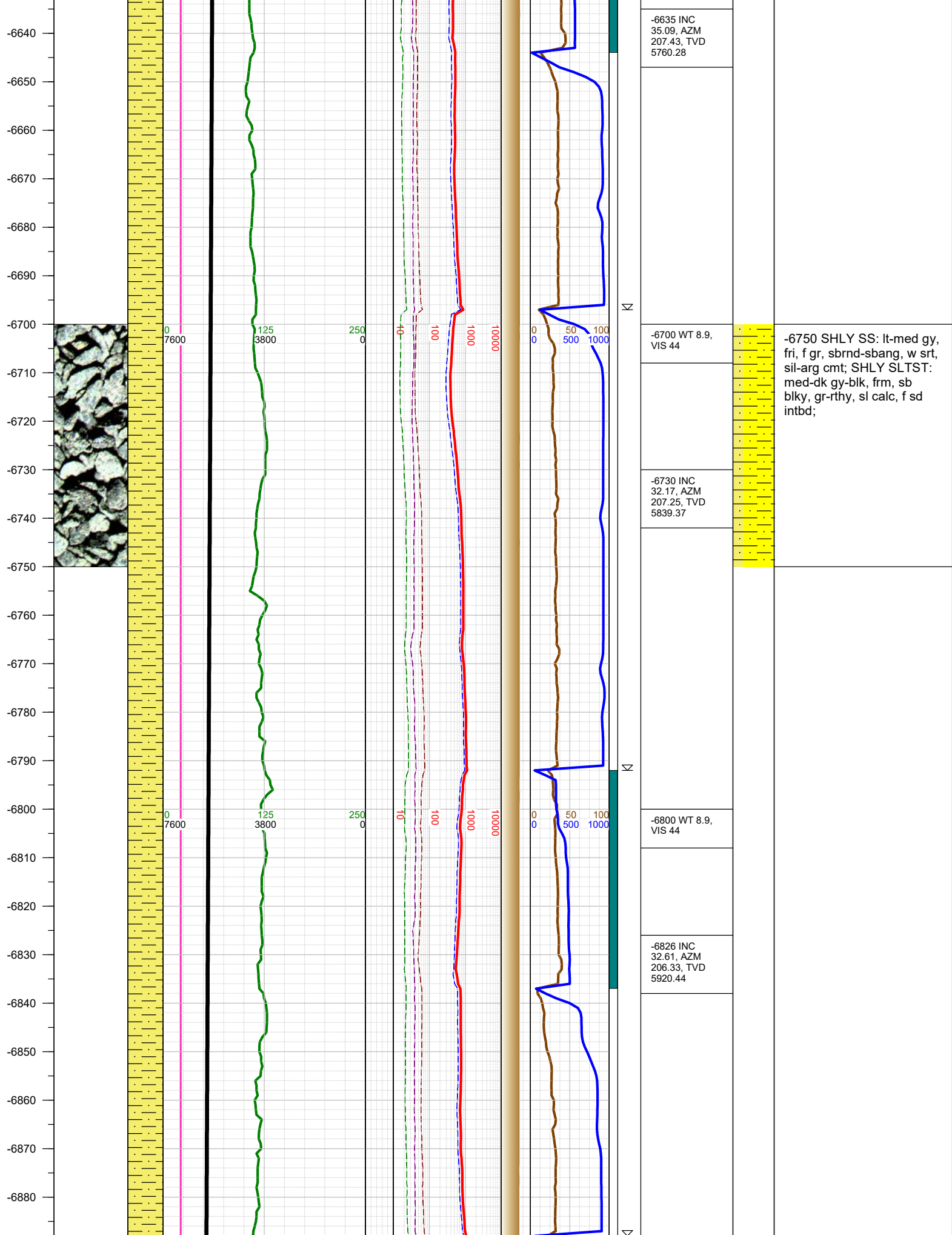


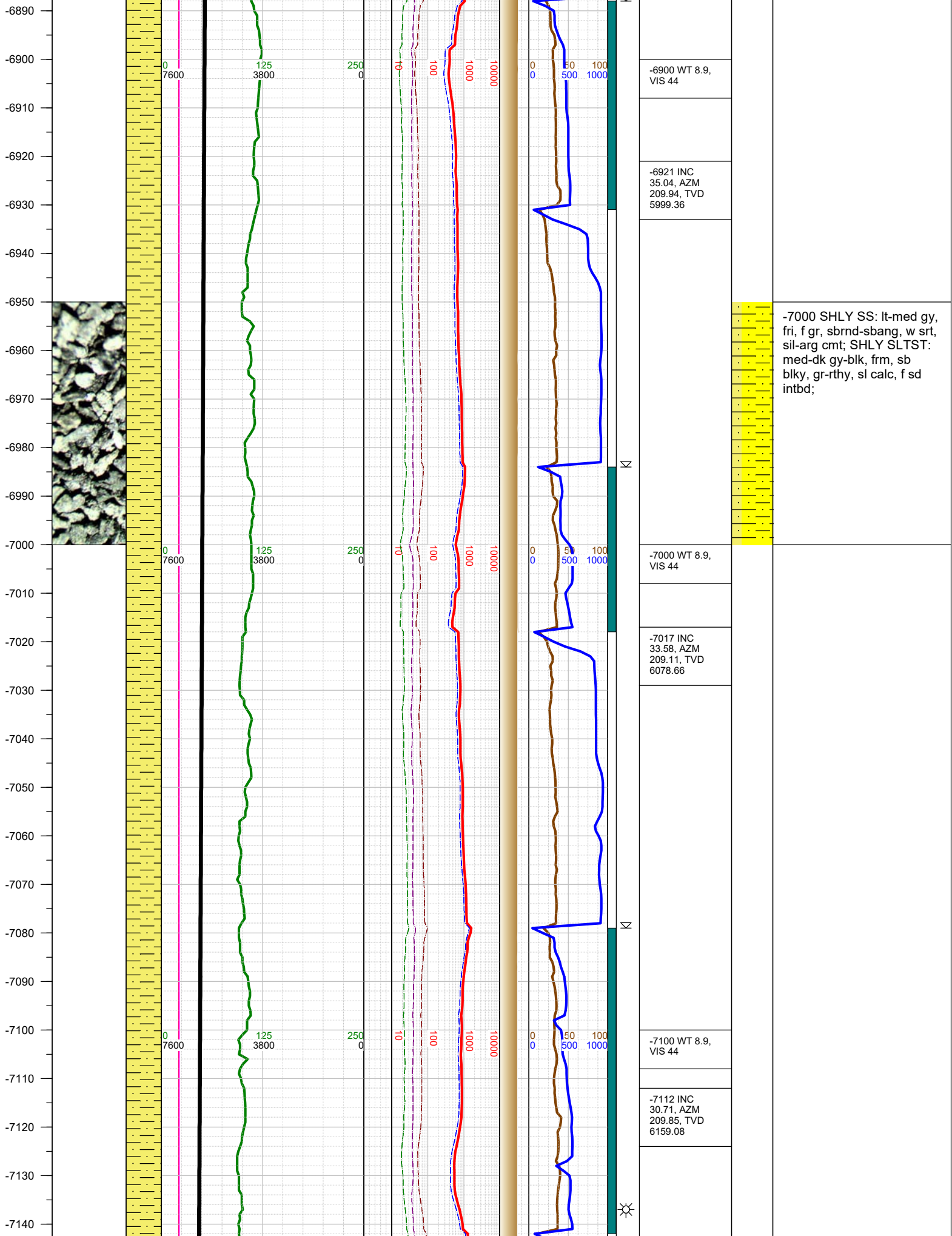
FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

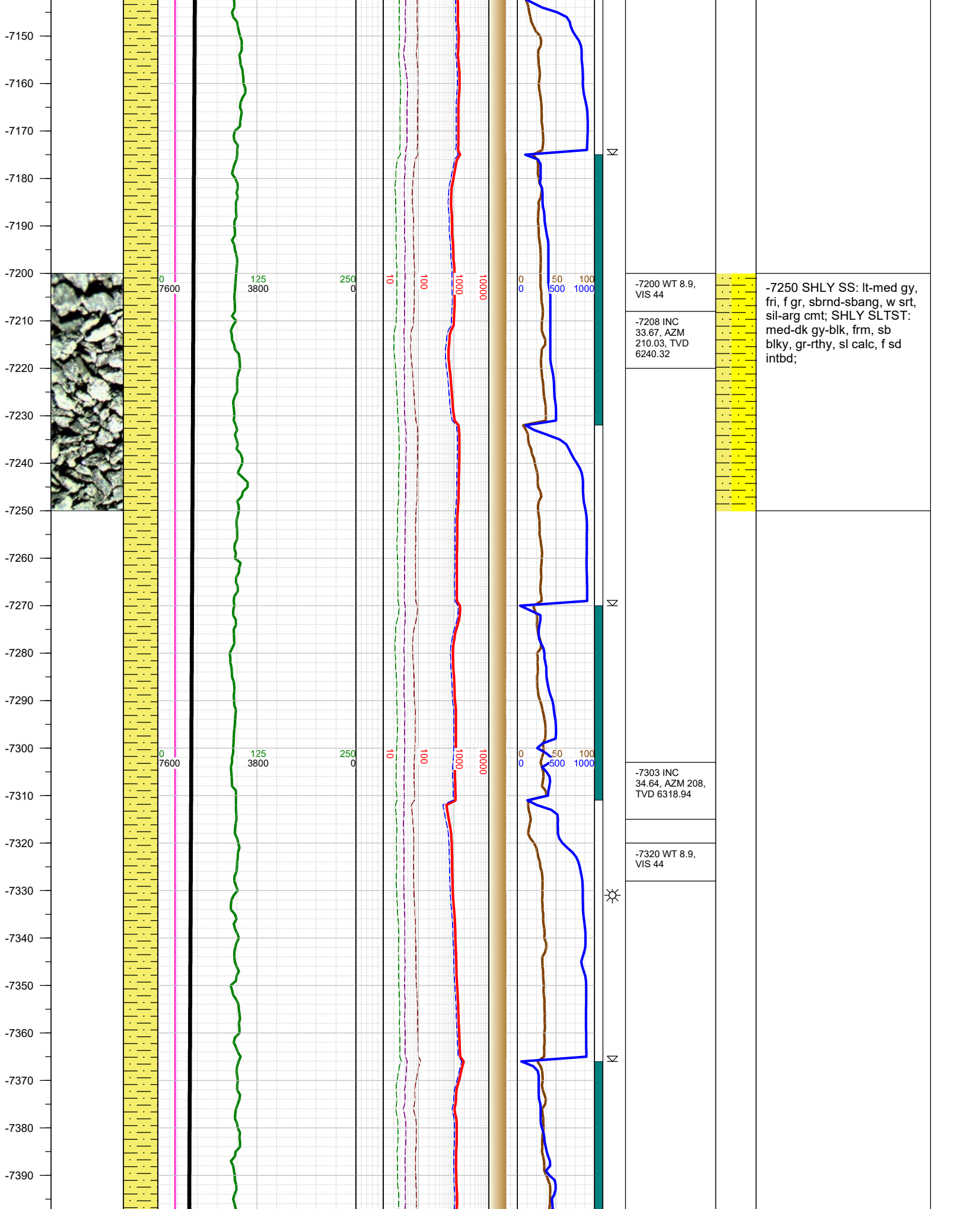


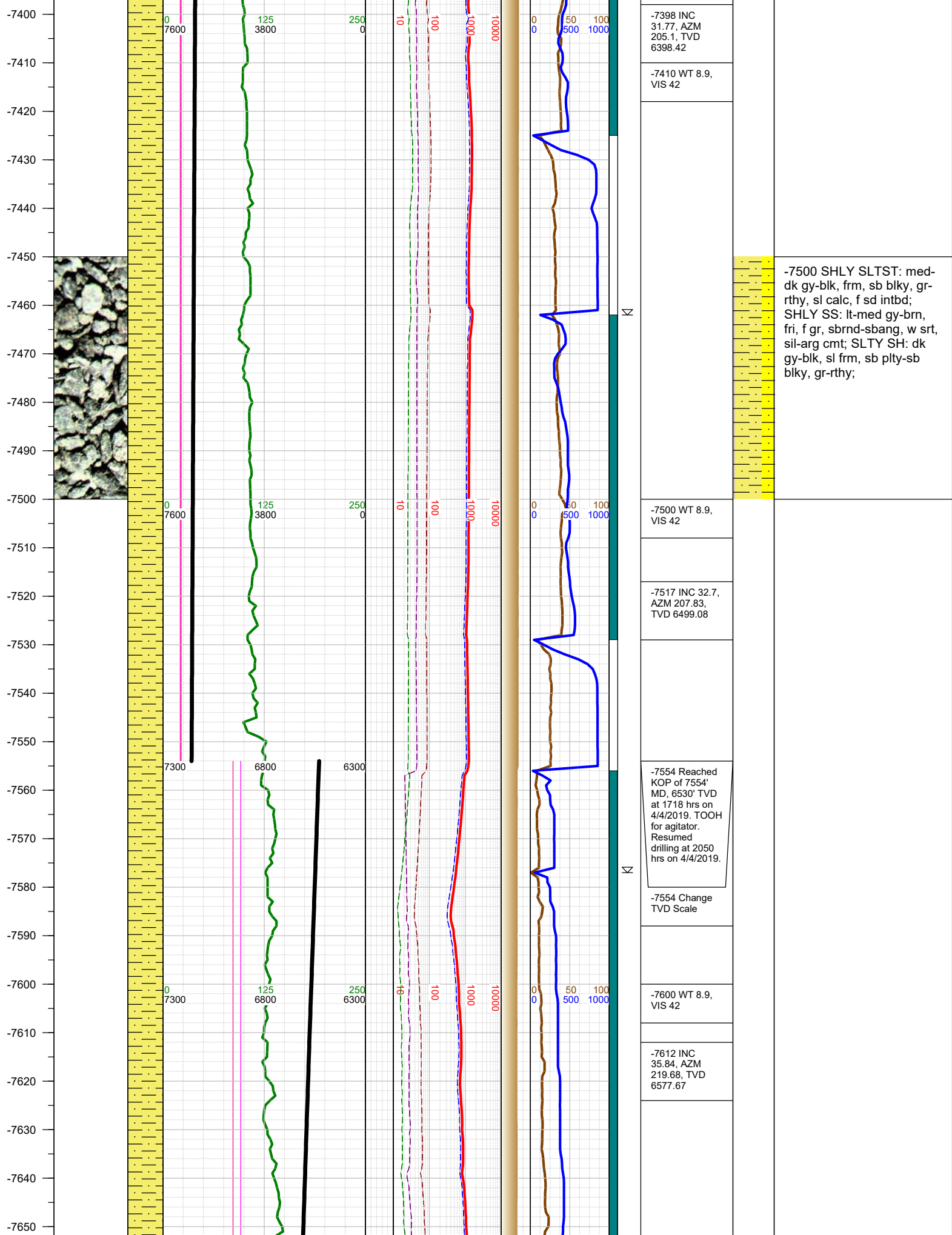


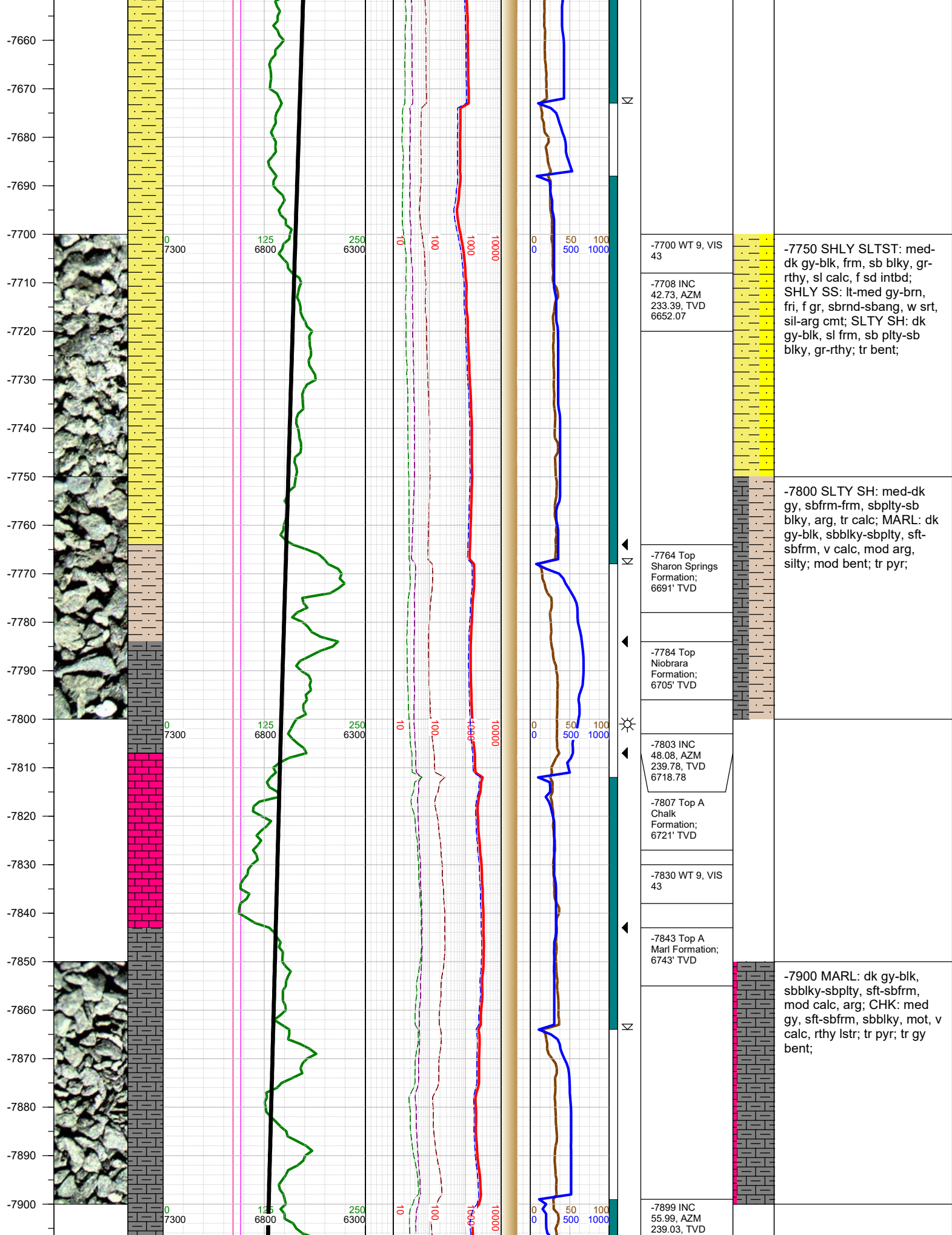


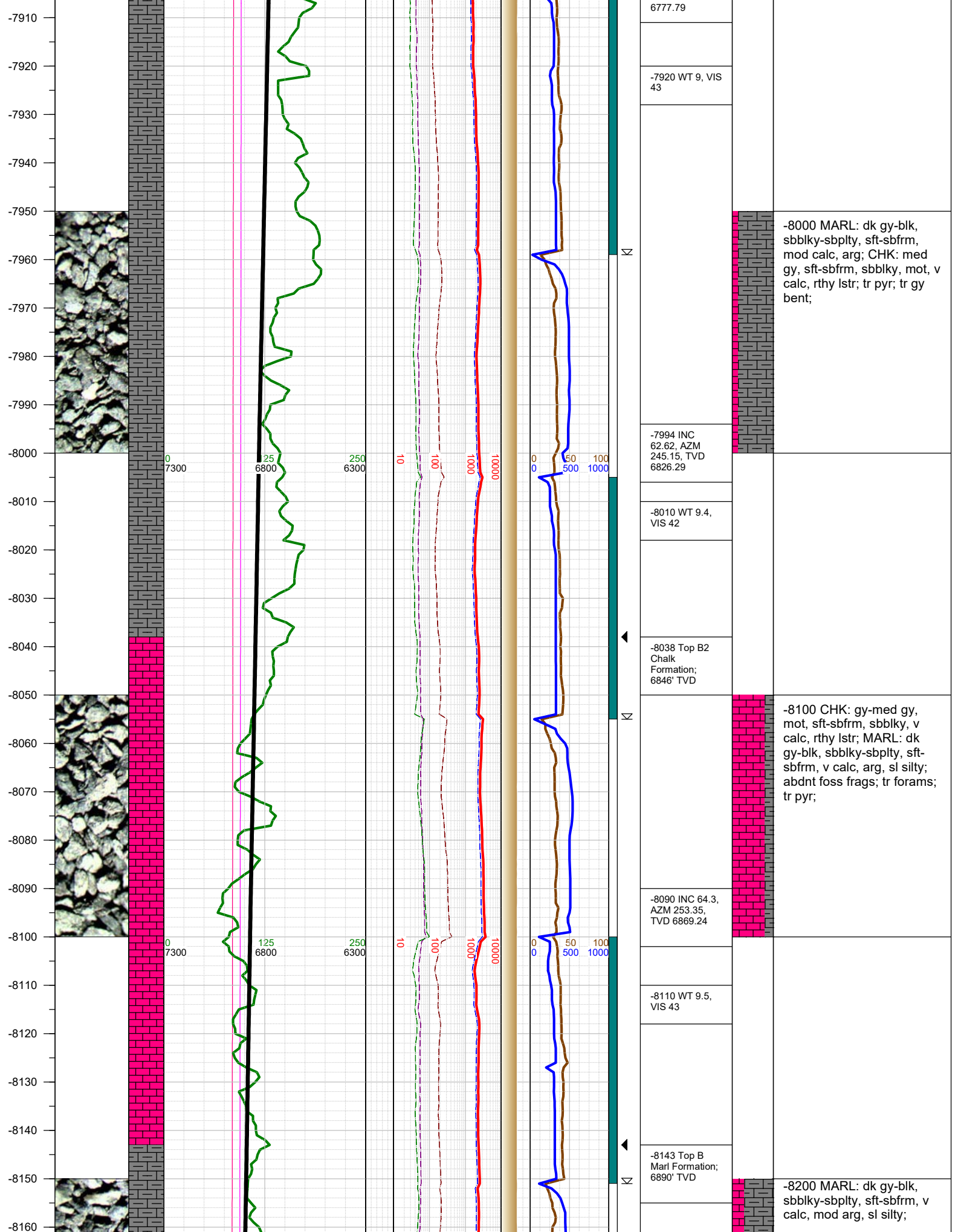


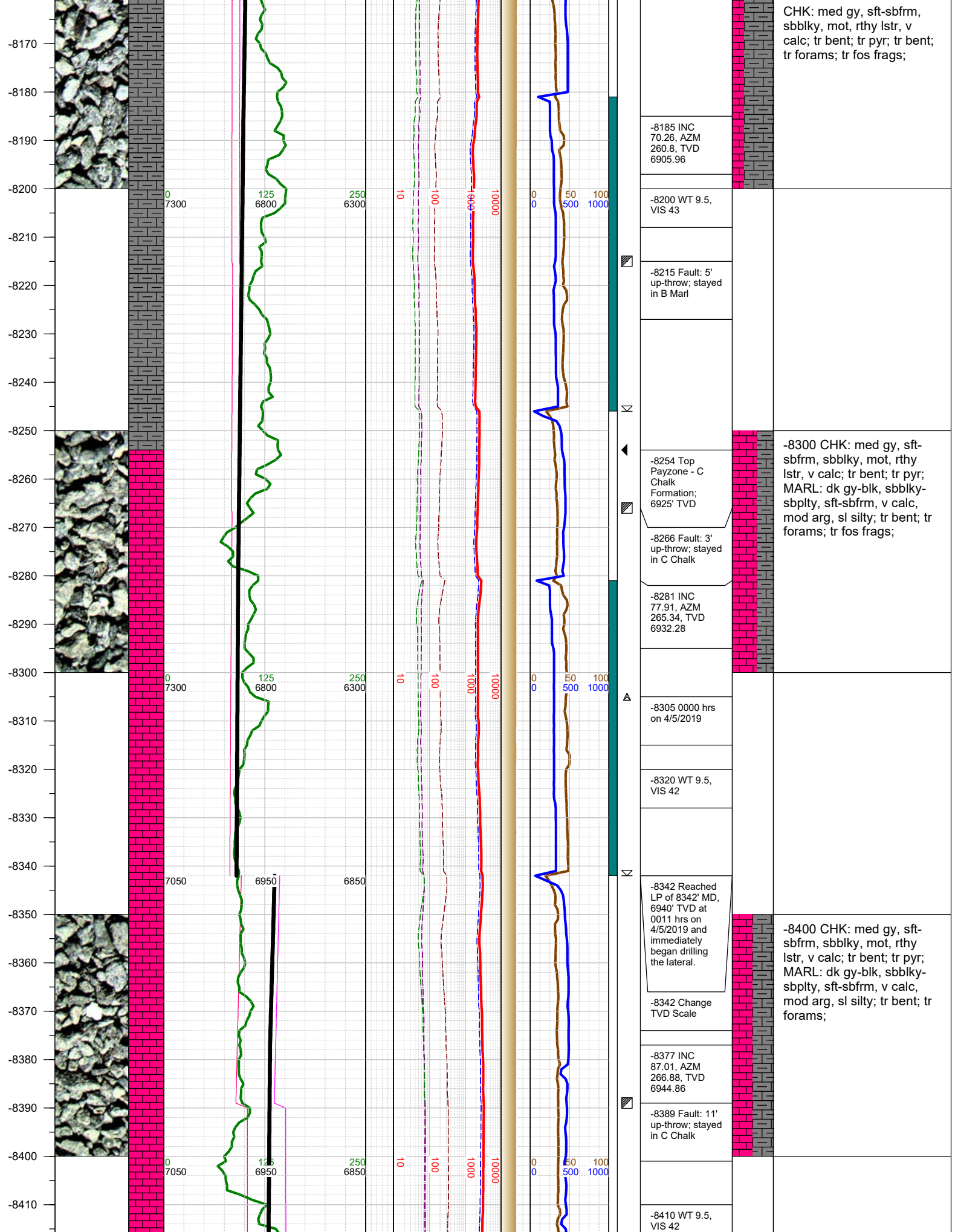




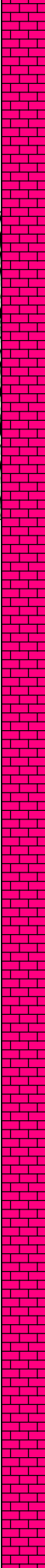
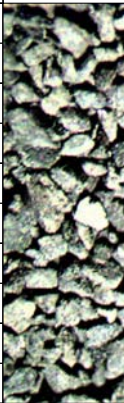








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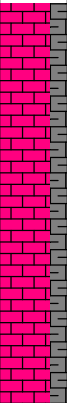
-8473 INC
88.73, AZM
269.26, TVD
6948.43

-8500 WT 9.5,
VIS 42

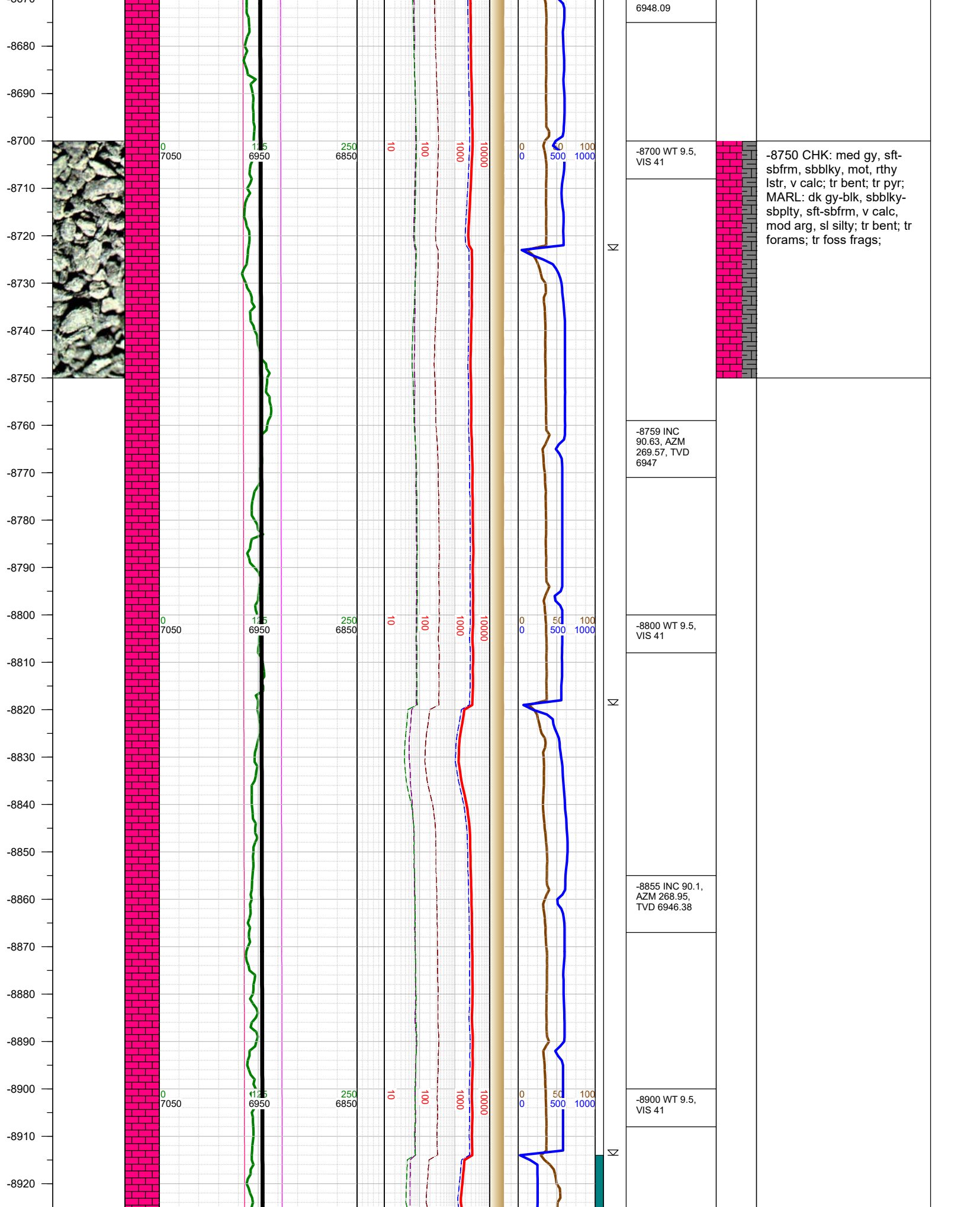
-8568 INC 90.5,
AZM 269.83,
TVD 6949.07

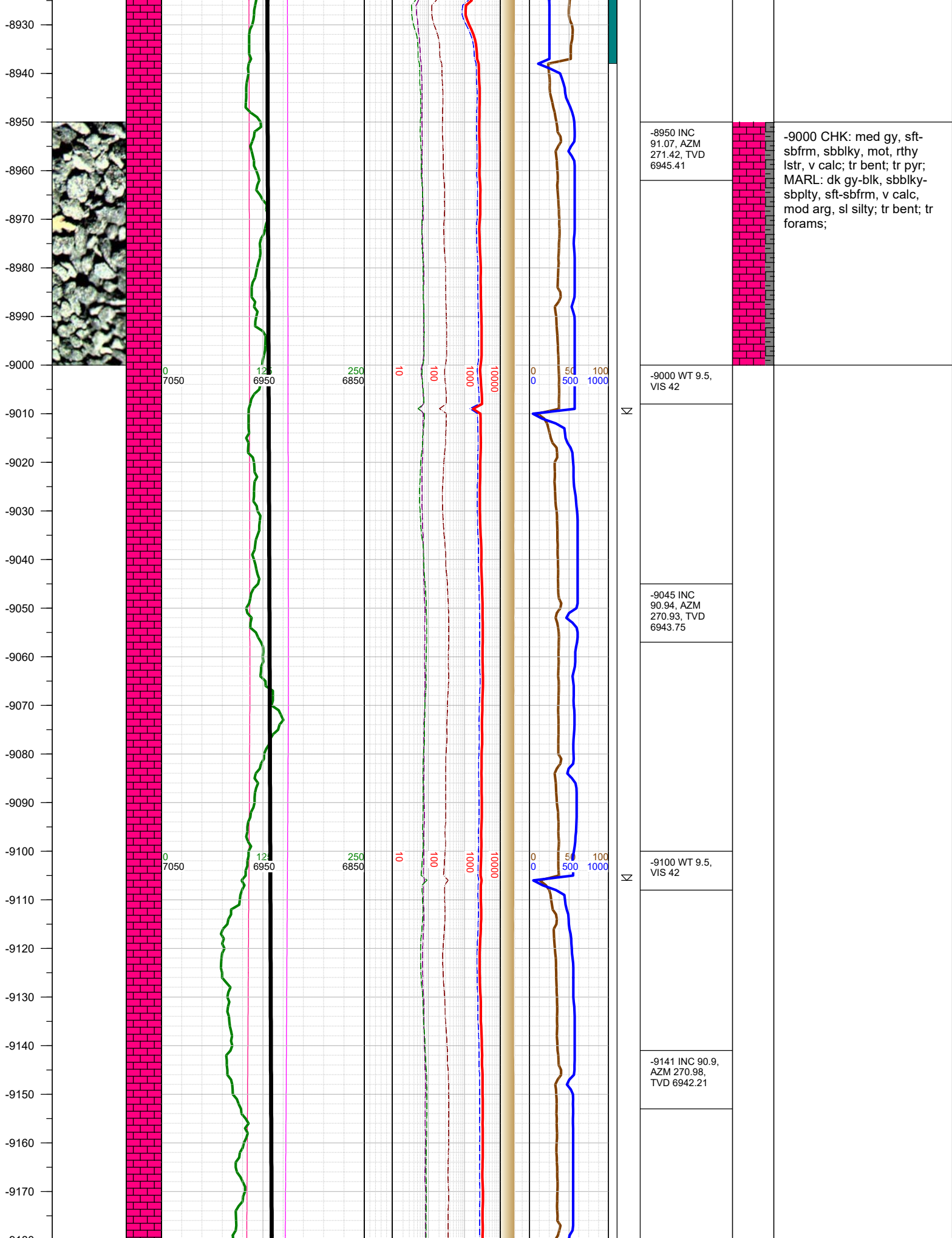
-8600 WT 9.5,
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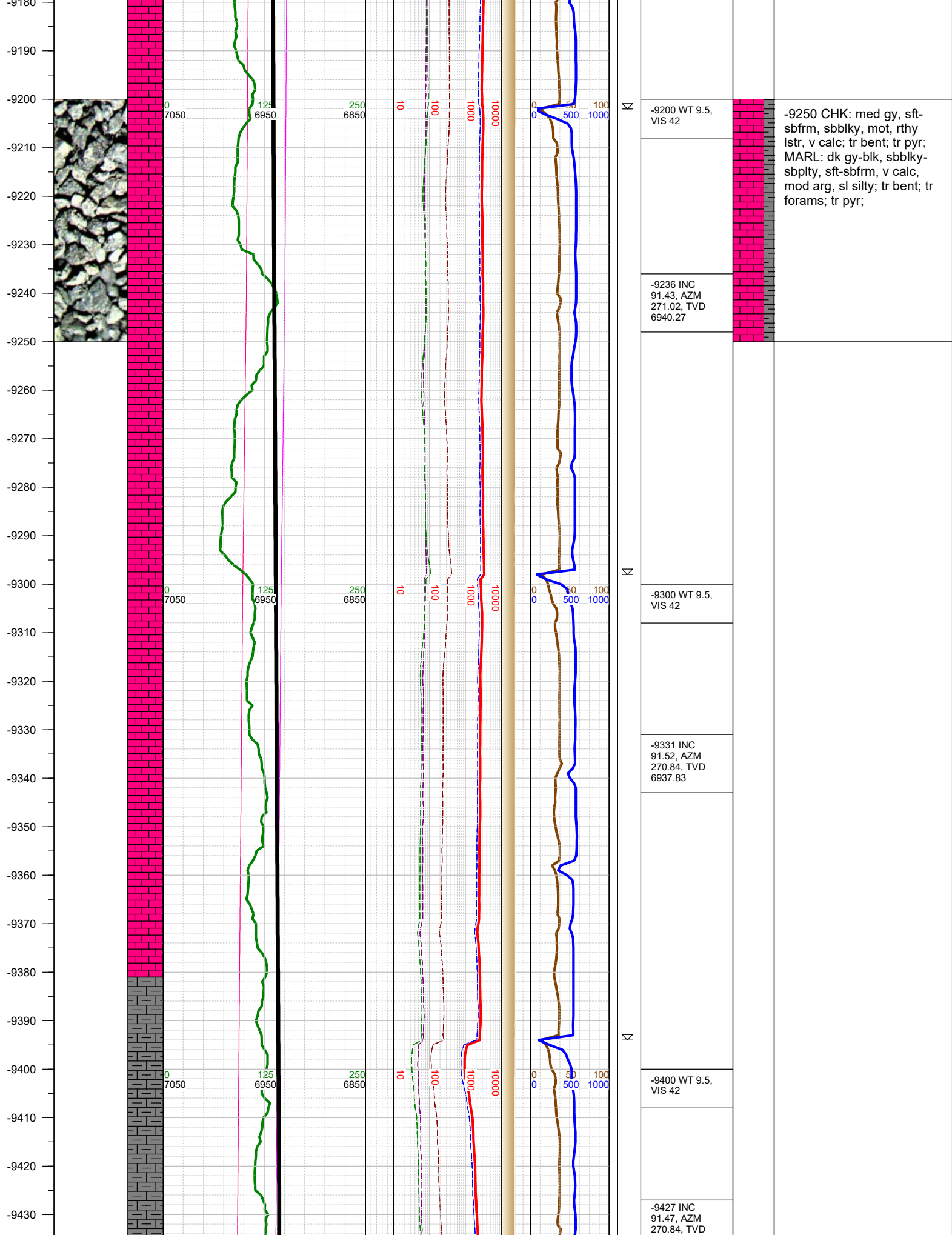
-8663 INC
90.68, AZM
269.7, TVD

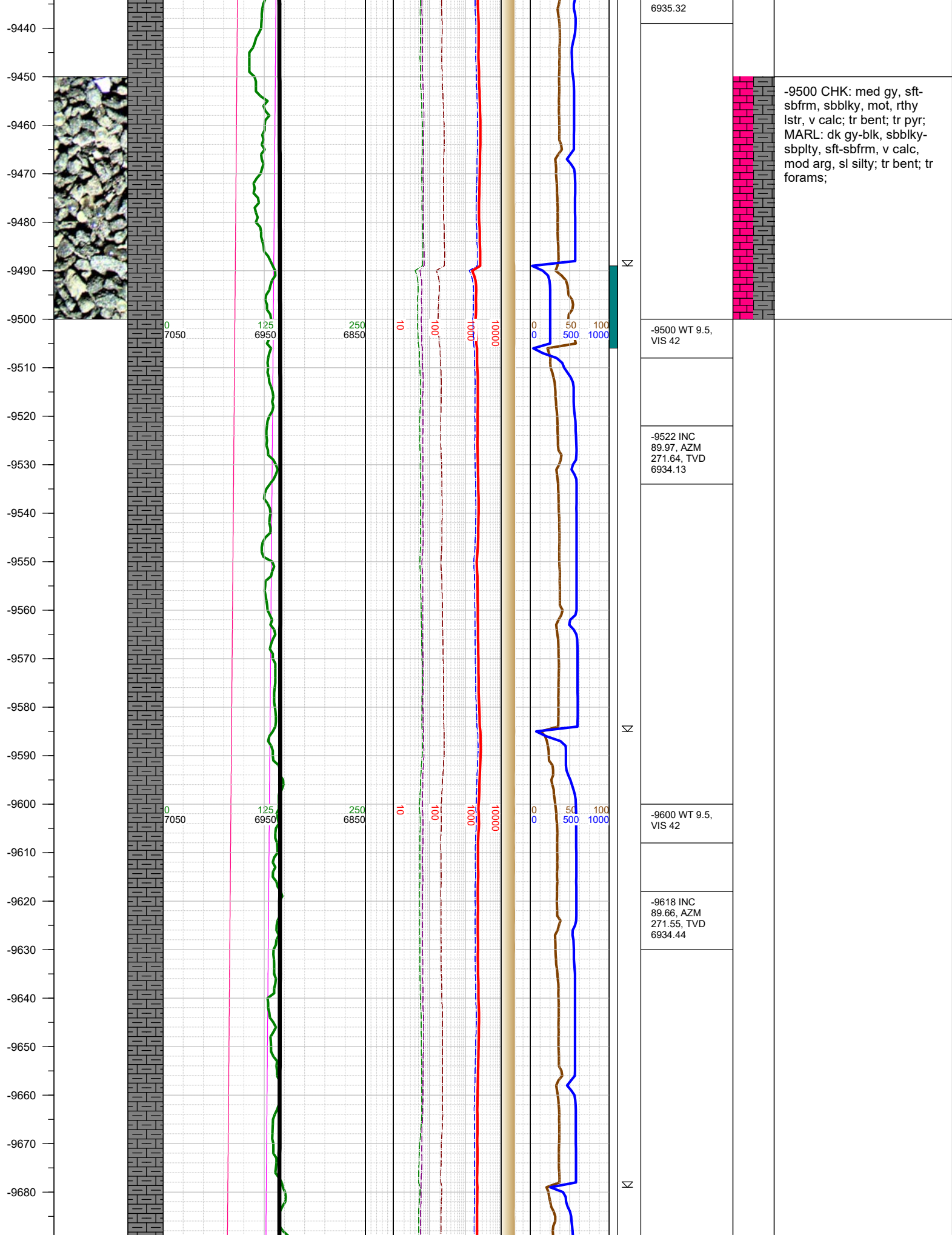


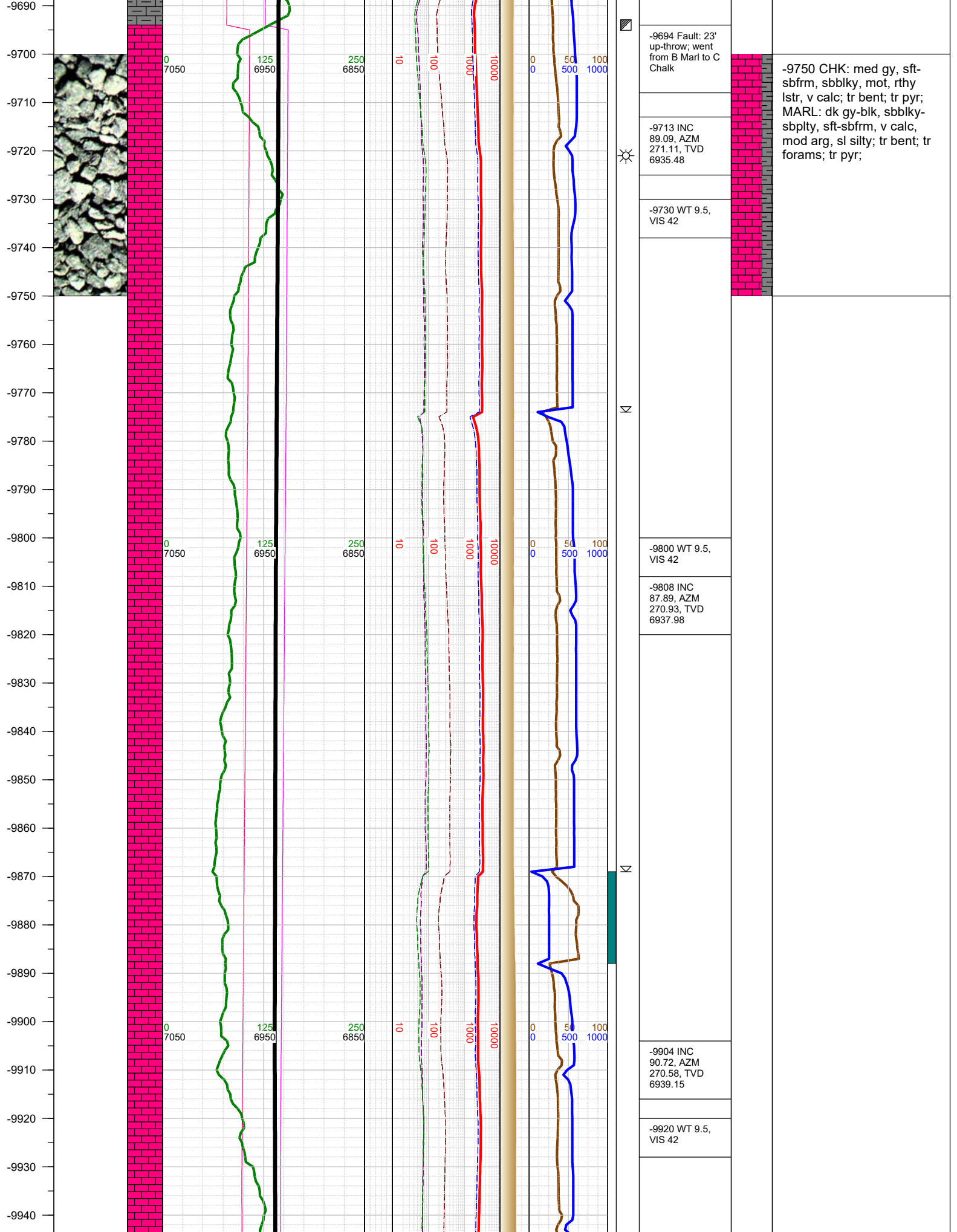
-8500 CHK: med gy, sft-
sbfrm, sbbiky, mot, rthy
lstr, v calc; tr bent; tr pyr;
MARL: dk gy-blk, sbbiky-
sbply, sft-sbfrm, v calc,
mod arg, sl silty; tr bent;
mod forams; tr foss frags;

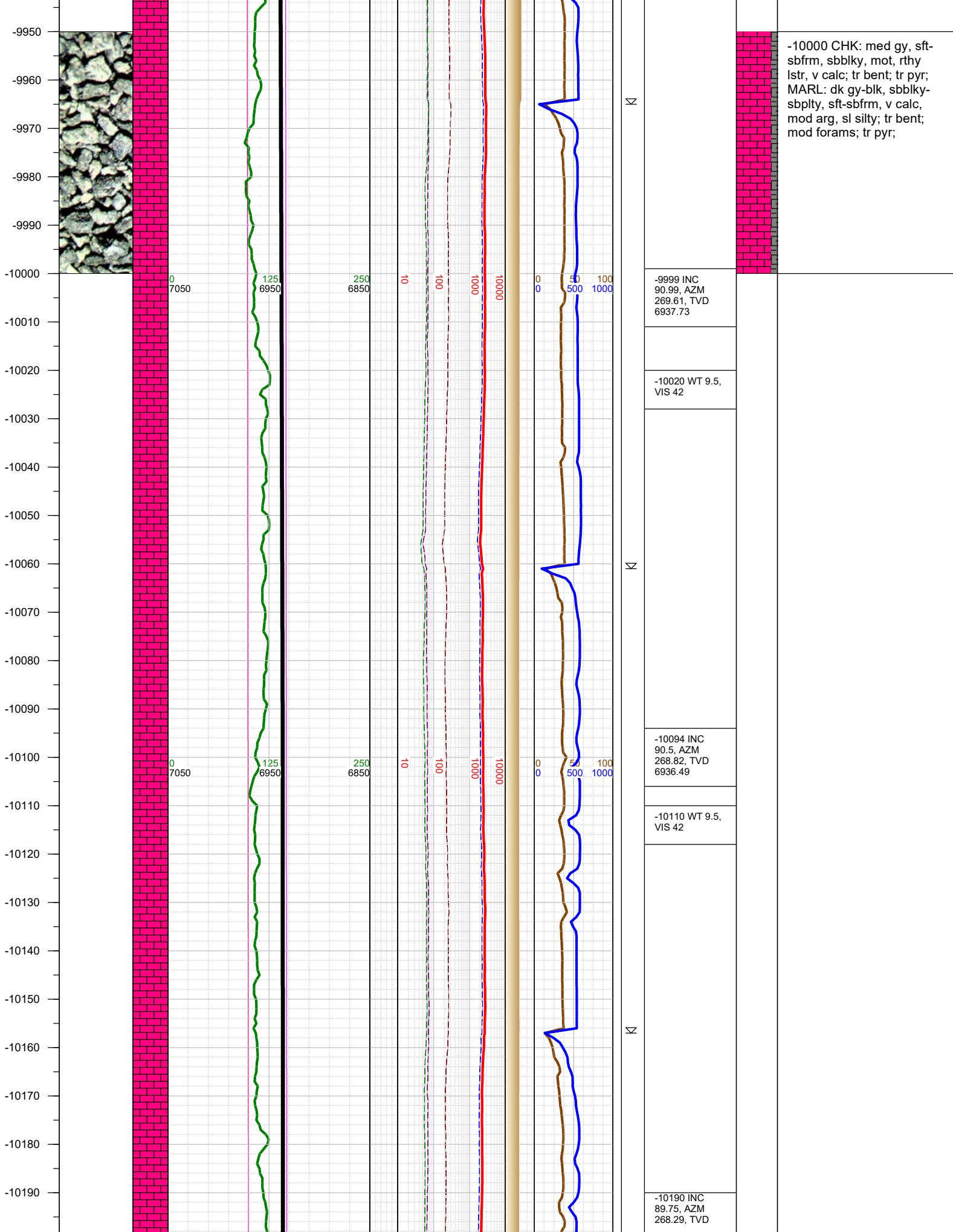


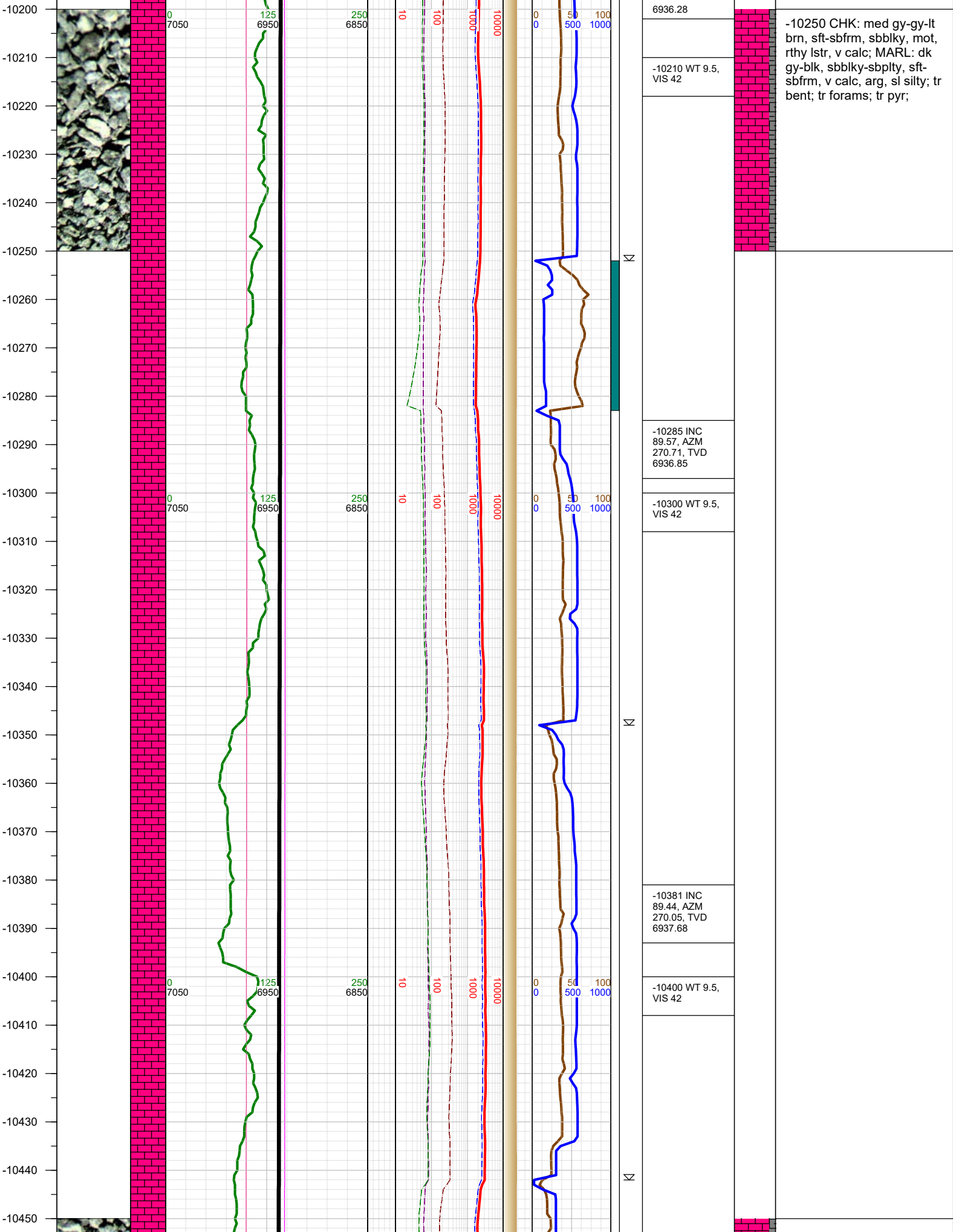


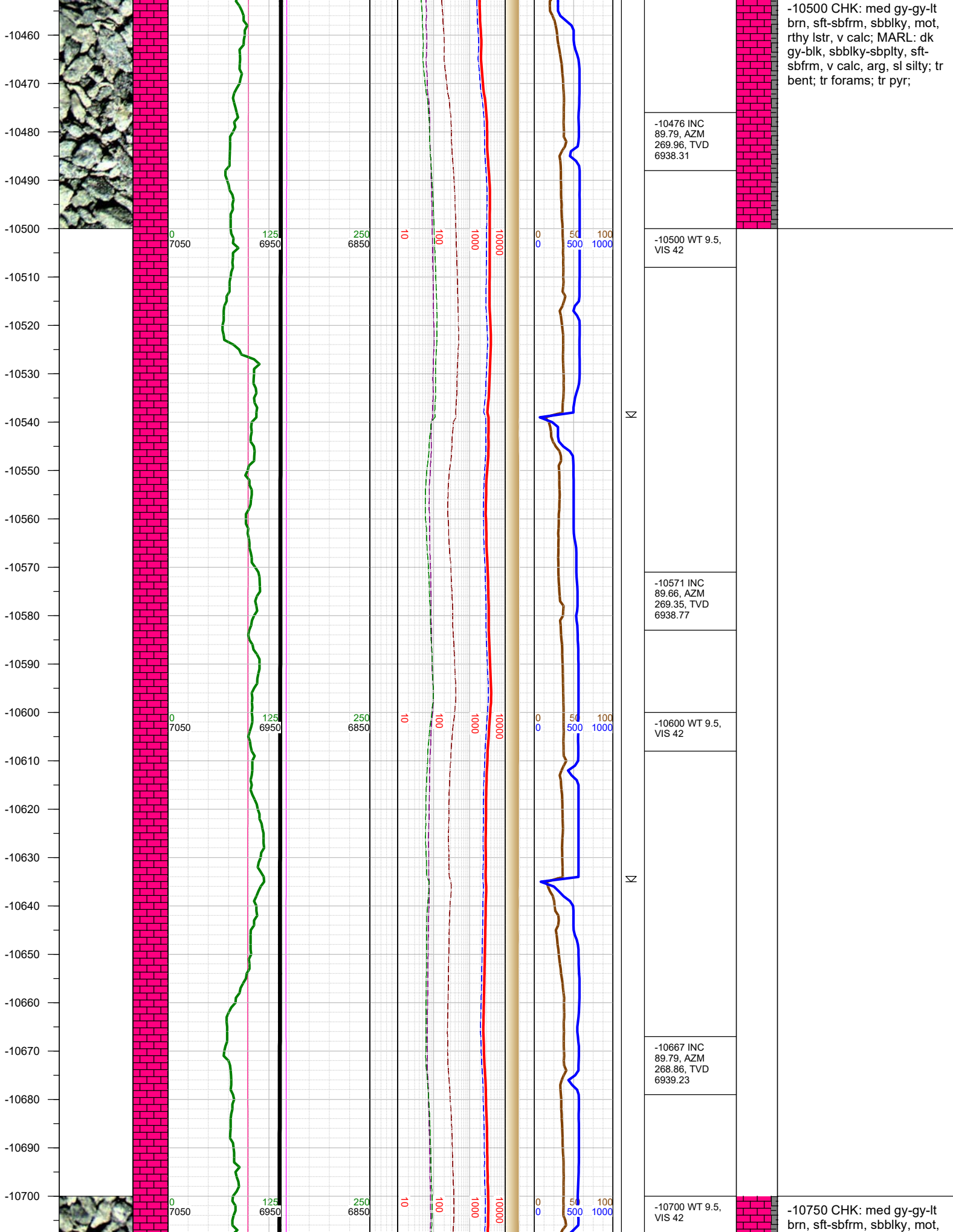






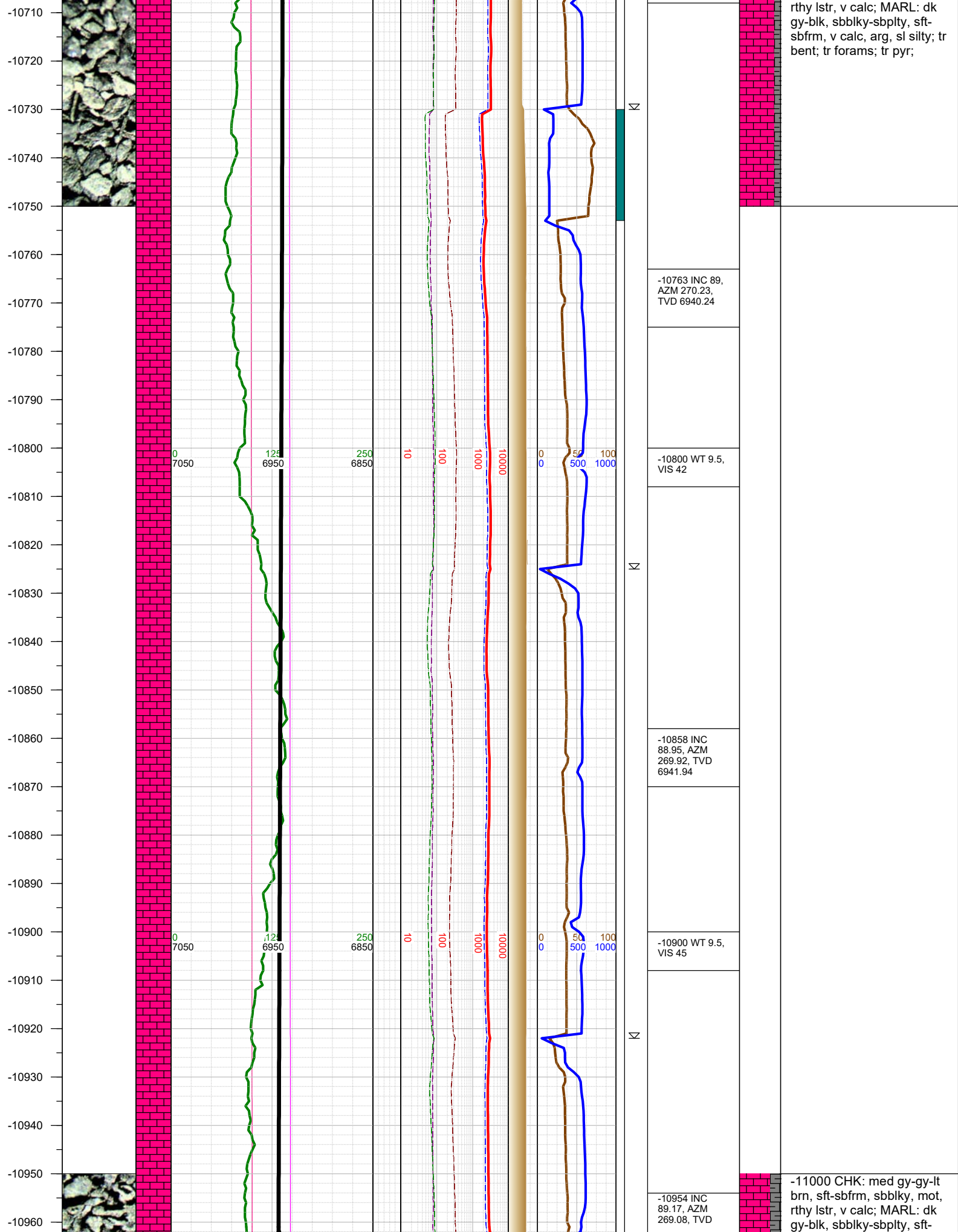


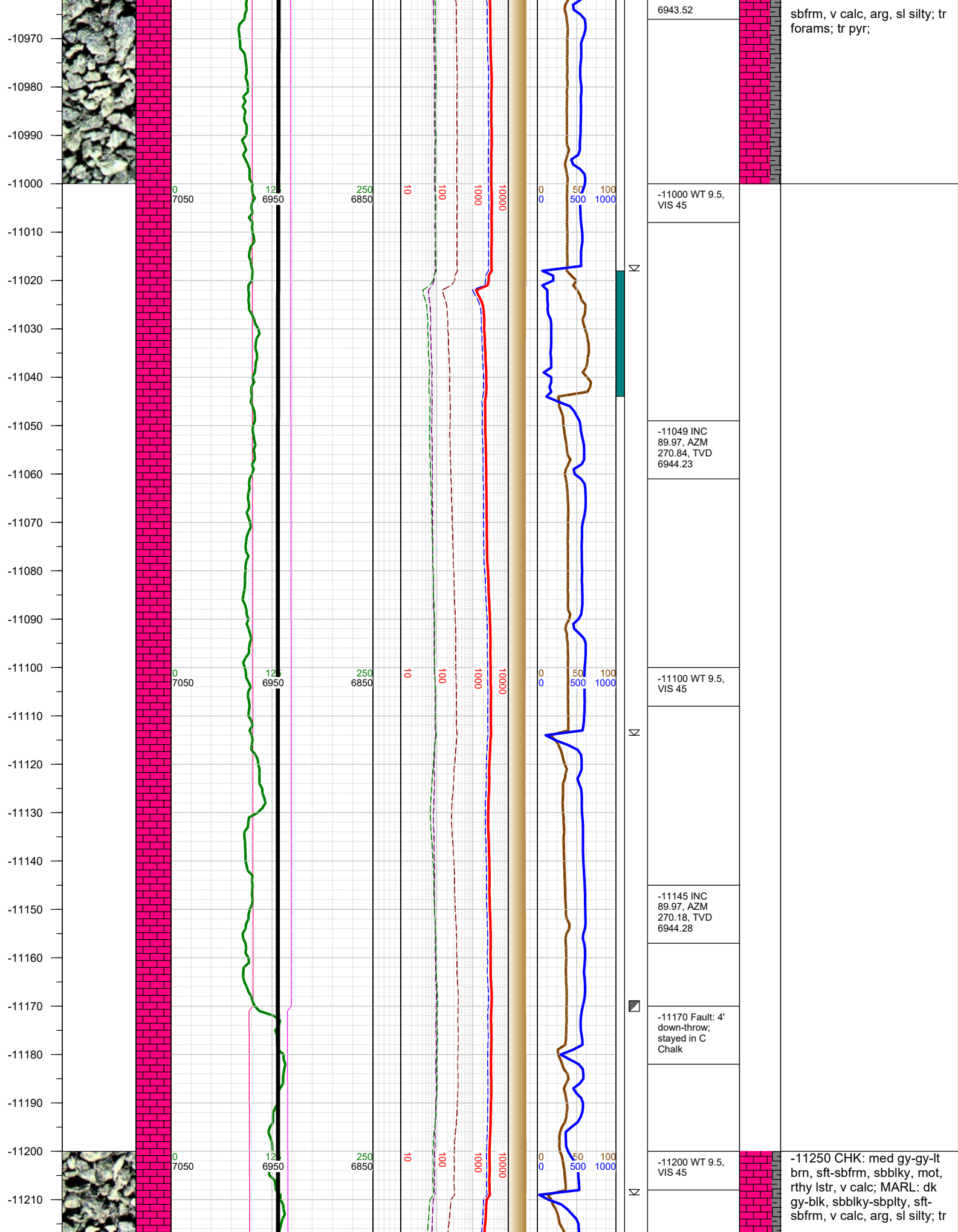




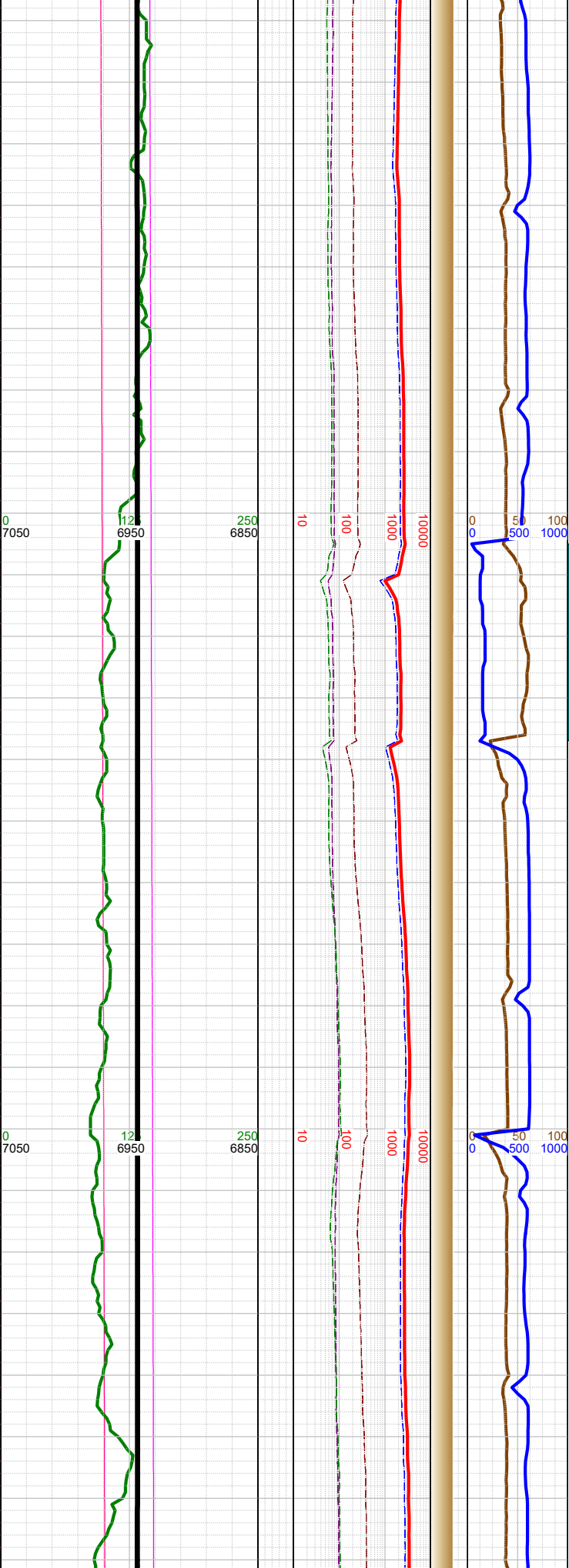
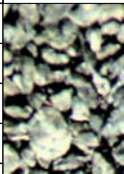
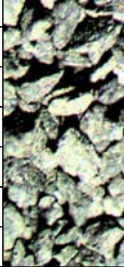
-10500 CHK: med gy-gy-lt
brn, sft-sbfrm, sbblky, mot,
rthy lstr, v calc; MARL: dk
gy-blk, sbblky-sbplty, sft-
sbfrm, v calc, arg, sl silty; tr
bent; tr forams; tr pyr;

-10750 CHK: med gy-gy-lt
brn, sft-sbfrm, sbblky, mot,





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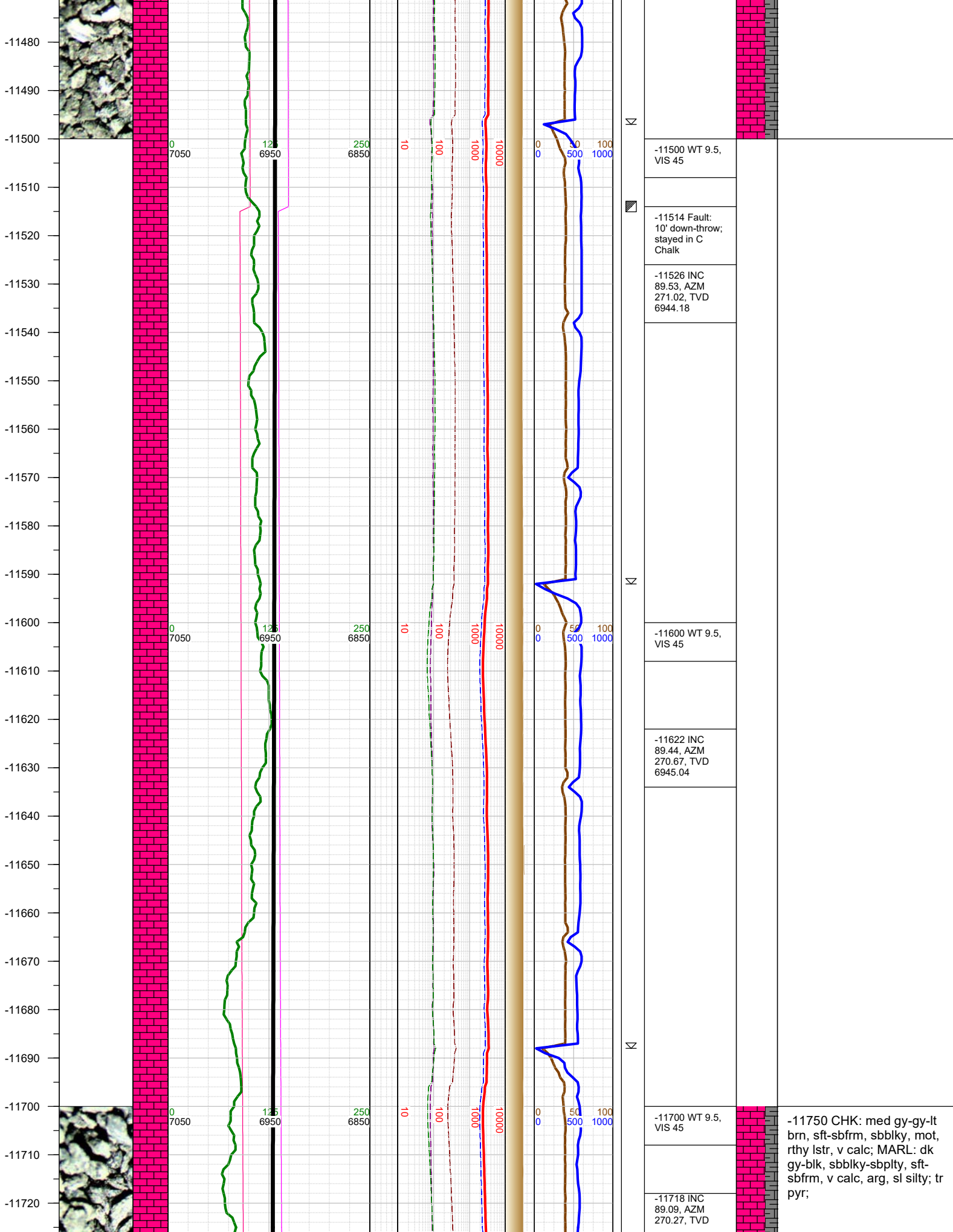
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| -11240 INC 90.28, AZM 269.48, TVD 6944.08 |
| -11300 WT 9.5, VIS 45 |
| -11336 INC 90.15, AZM 272.21, TVD 6943.71 |
| -11400 WT 9.5, VIS 45 |
| -11431 INC 89.88, AZM 271.68, TVD 6943.69 |



forams; tr pyr; tr foss
frags;

-11500 CHK: med gy-gy-lt
brn, sft-sbfrm, sbbiky, mot,
rthy lstr, v calc; MARL: dk
gy-blk, sbbiky-sbplty, sft-
sbfrm, v calc, arg, sl silty; tr
pyr;



-11500 WT 9.5, VIS 45

-11514 Fault: 10' down-throw; stayed in C Chalk

-11526 INC 89.53, AZM 271.02, TVD 6944.18

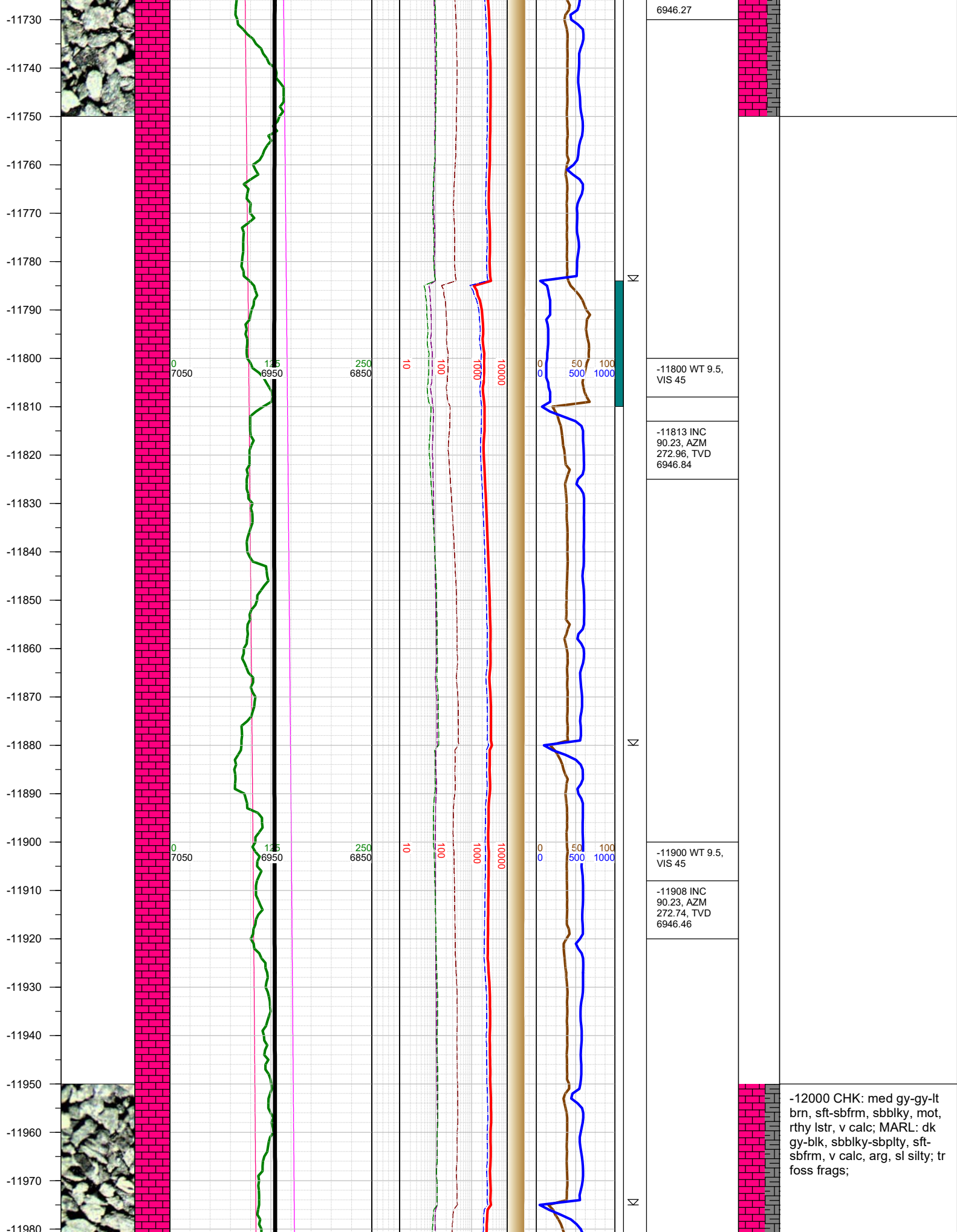
-11600 WT 9.5, VIS 45

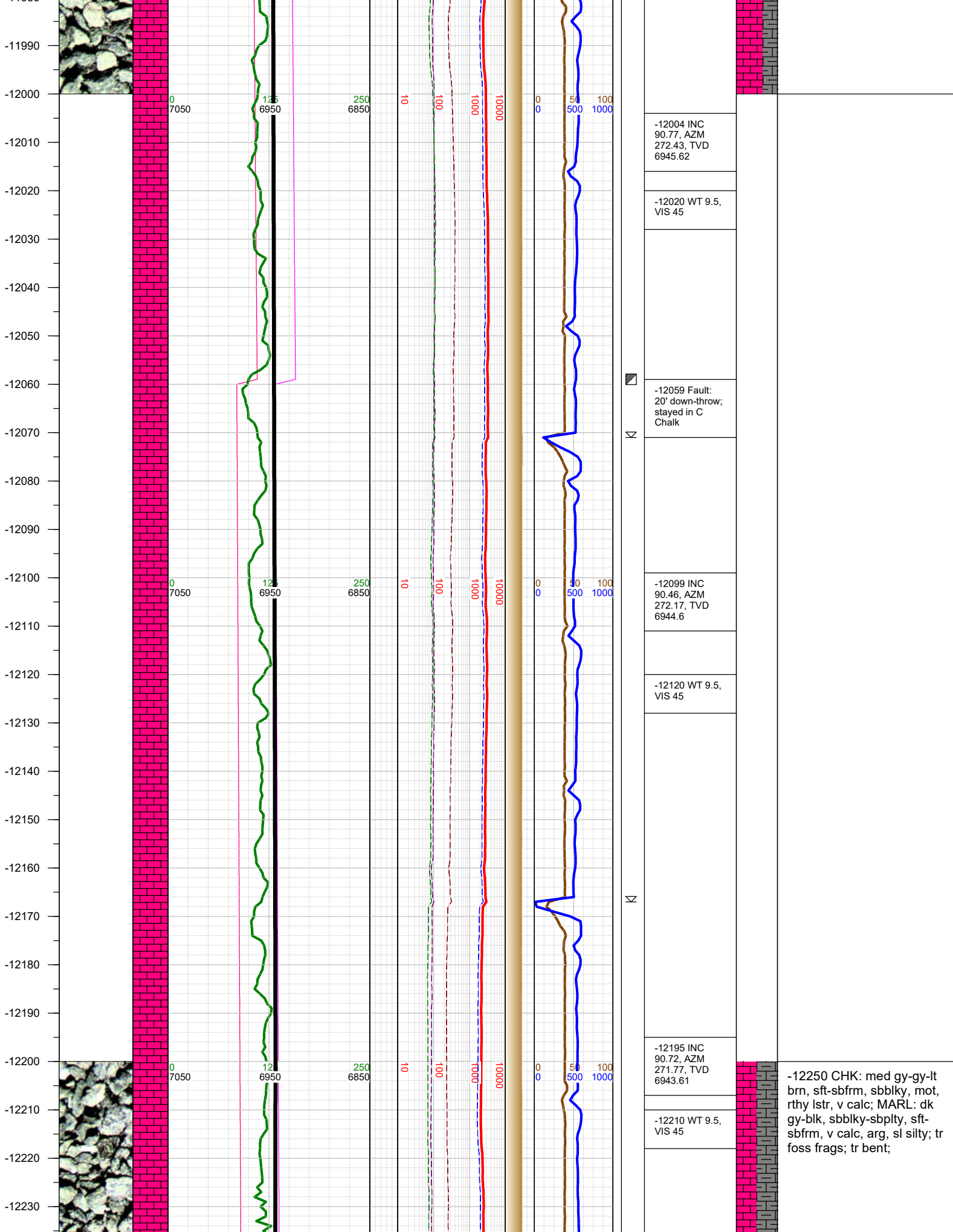
-11622 INC 89.44, AZM 270.67, TVD 6945.04

-11700 WT 9.5, VIS 45

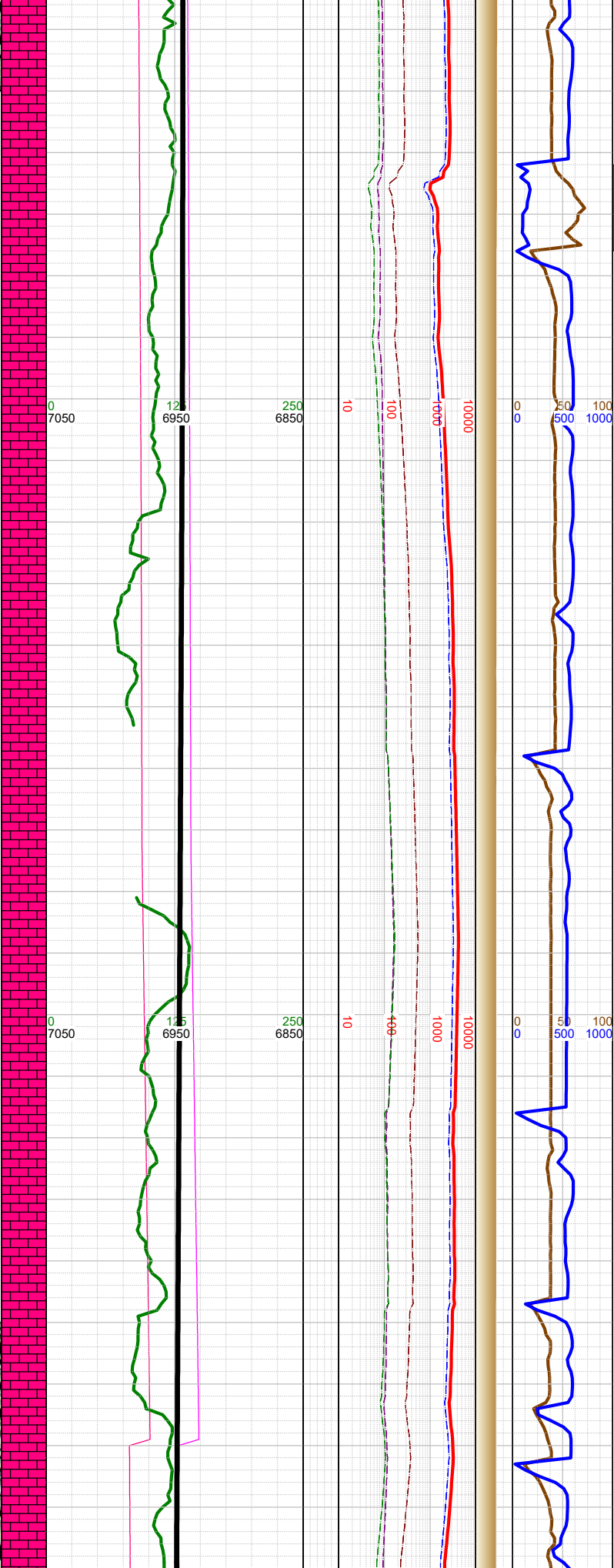
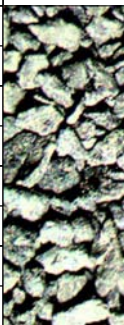
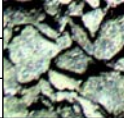
-11718 INC 89.09, AZM 270.27, TVD

-11750 CHK: med gy-gy-lt brn, sft-sbfrm, sbblky, mot, rthy lstr, v calc; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, arg, sl silty; tr pyr;





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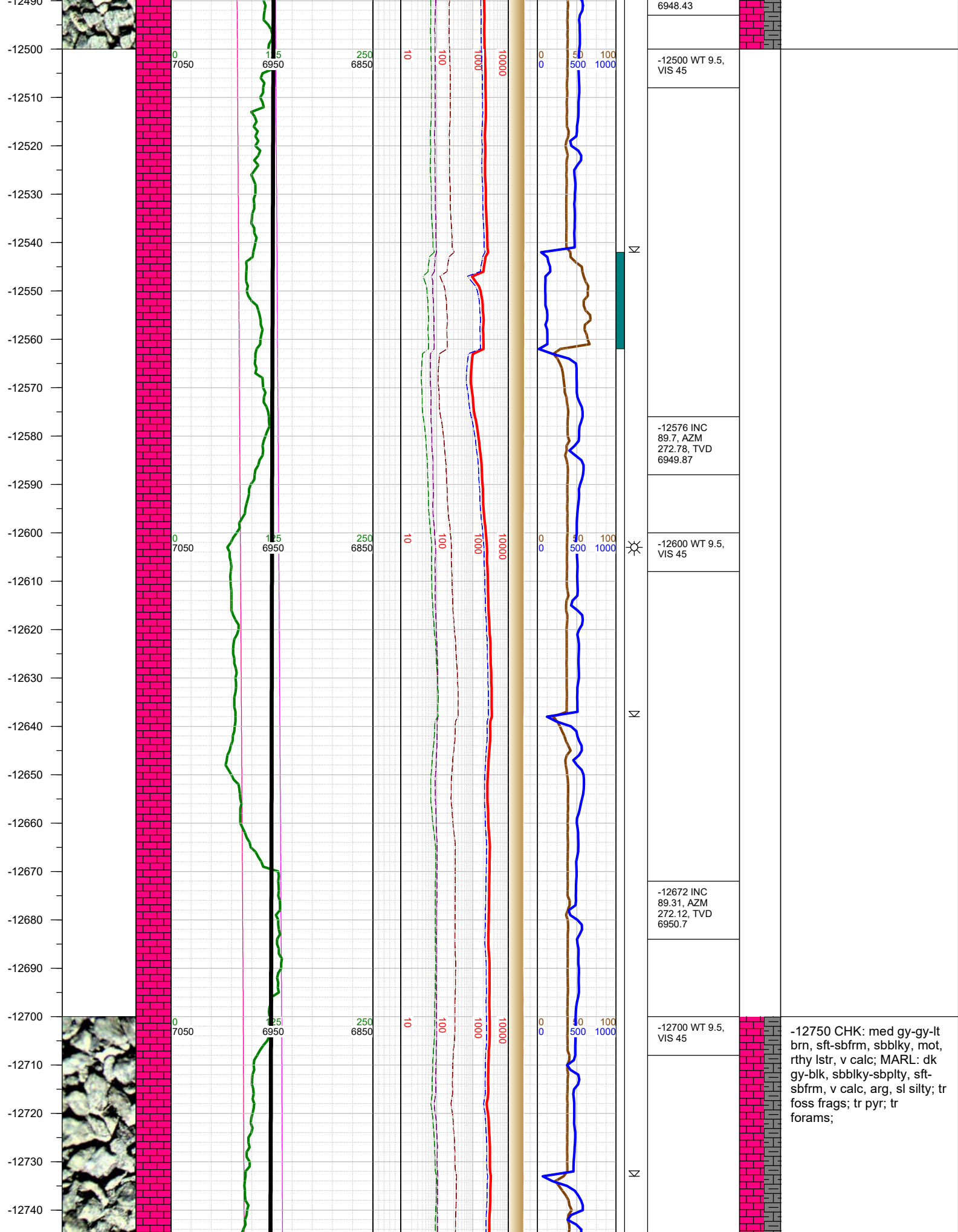


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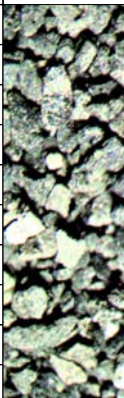
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| -12290 INC 88.91, AZM 271.15, TVD 6943.92 | |
| -12310 WT 9.5, VIS 45 | |
| -12385 INC 88.56, AZM 270.71, TVD 6946.01 | |
| -12400 WT 9.5, VIS 45 | |
| -12469 Fault: 16' down-throw; stayed in C Chalk | |
| -12481 INC 88.56, AZM 270.32, TVD | |



-12500 CHK: med gy-gy-lt
brn, sft-sbfrm, sbbkly, mot,
rthy lstr, v calc; MARL: dk
gy-blk, sbbkly-sbplty, sft-
sbfrm, v calc, arg, sl silty; tr
foss frags; tr pyr; tr
forams;



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-12767 INC
89.26, AZM
272.03, TVD
6951.88

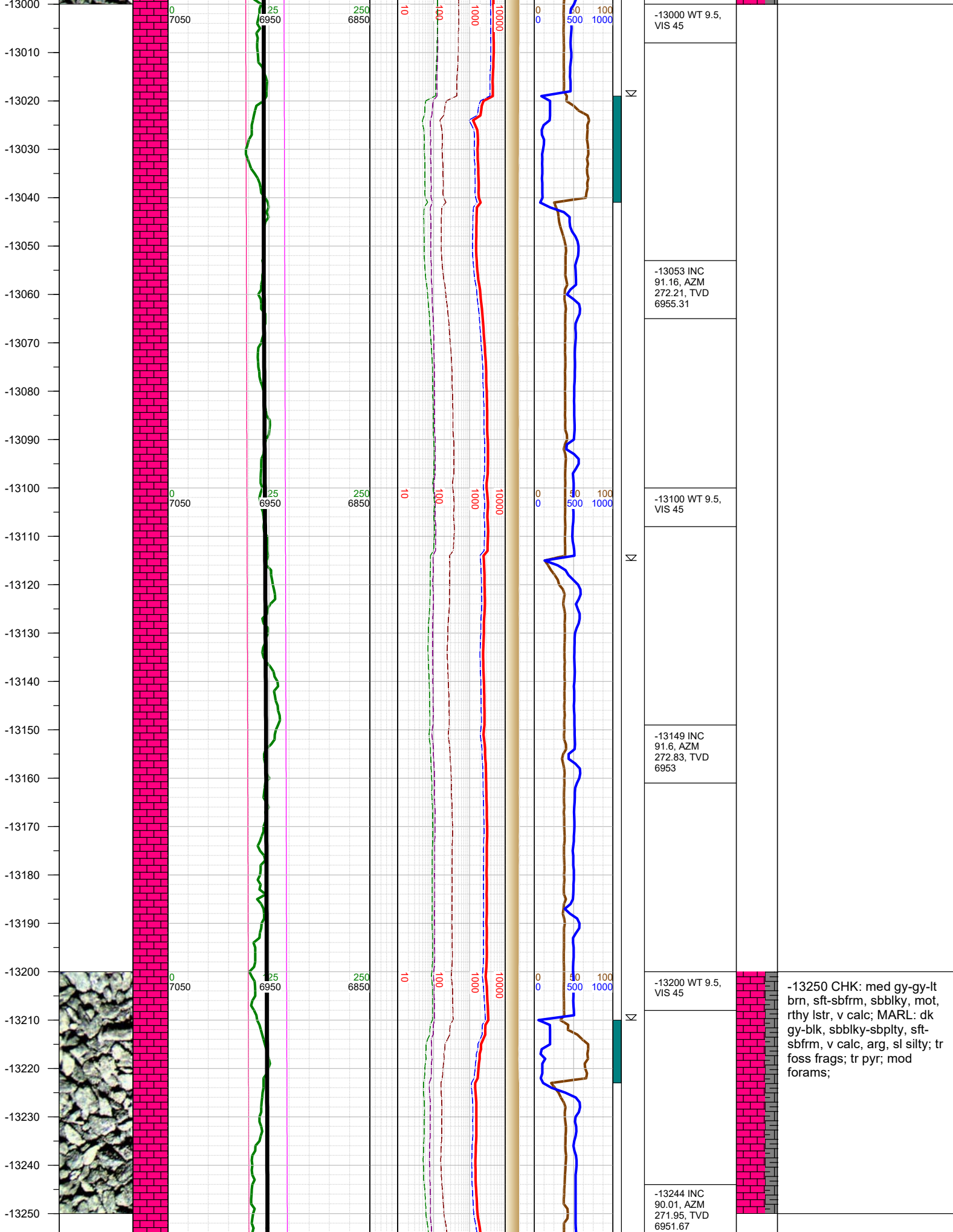
-12800 WT 9.5,
VIS 45

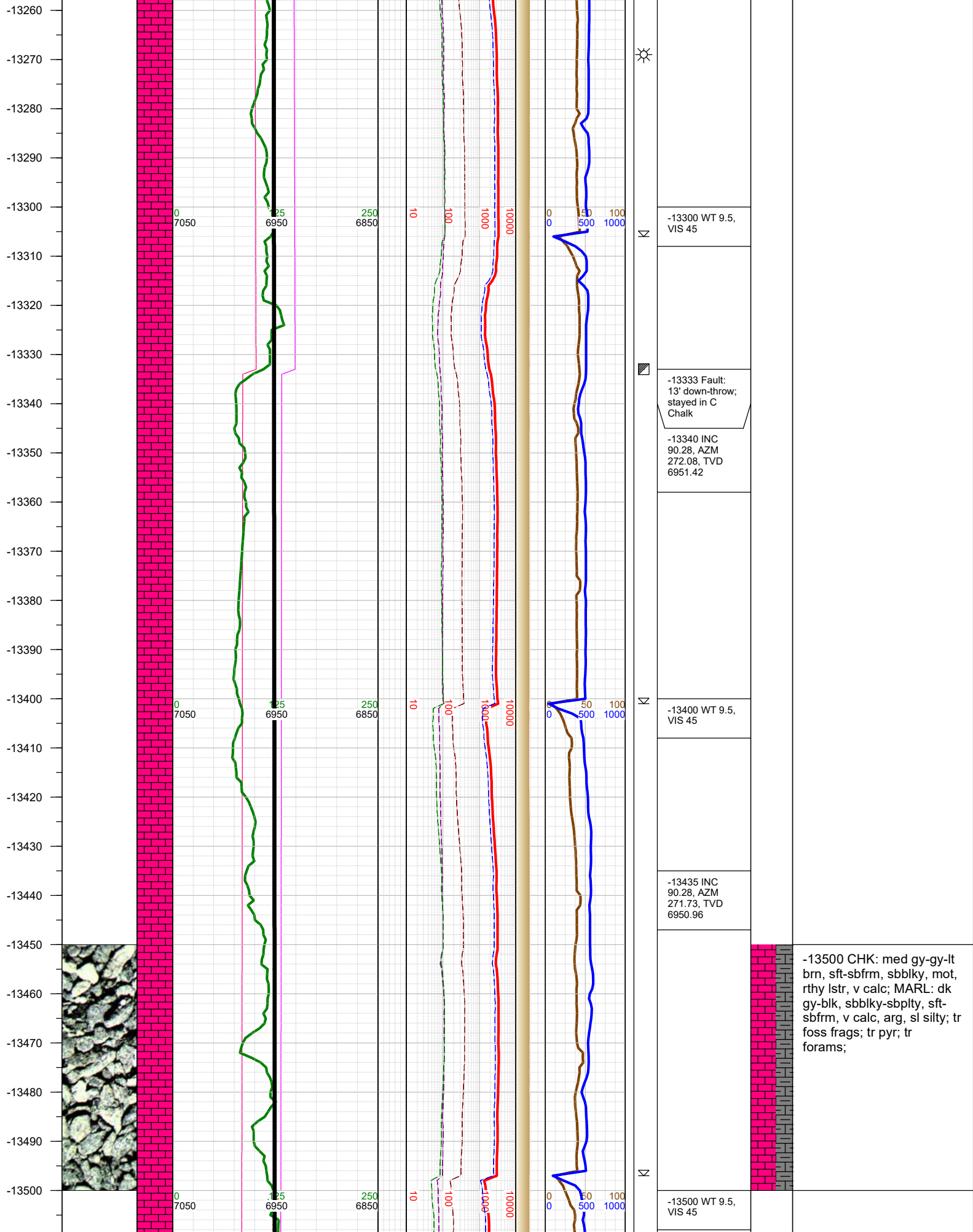
-12863 INC
89.13, AZM
271.99, TVD
6953.23

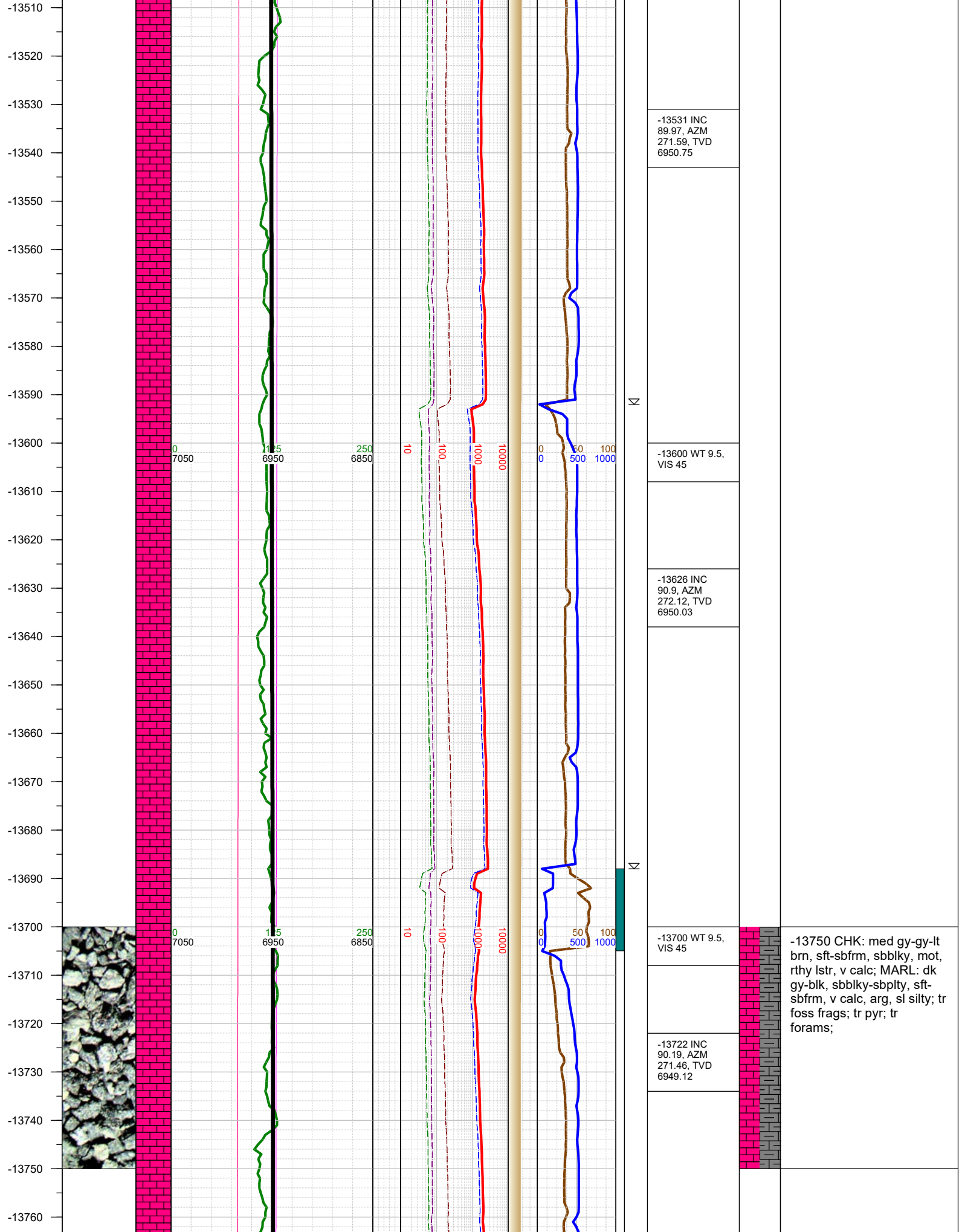
-12900 WT 9.5,
VIS 45

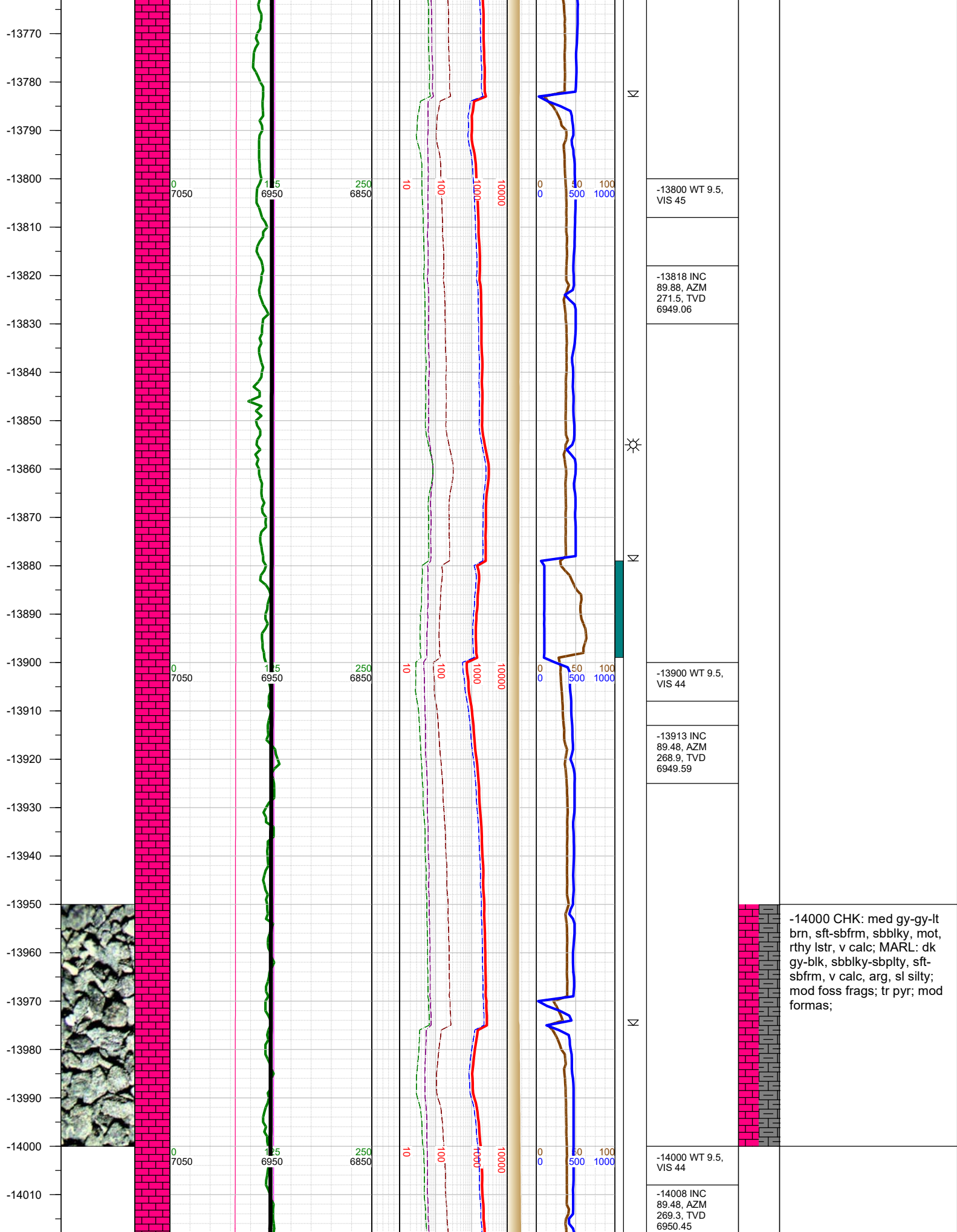
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88.6, AZM
271.28, TVD
6955.11

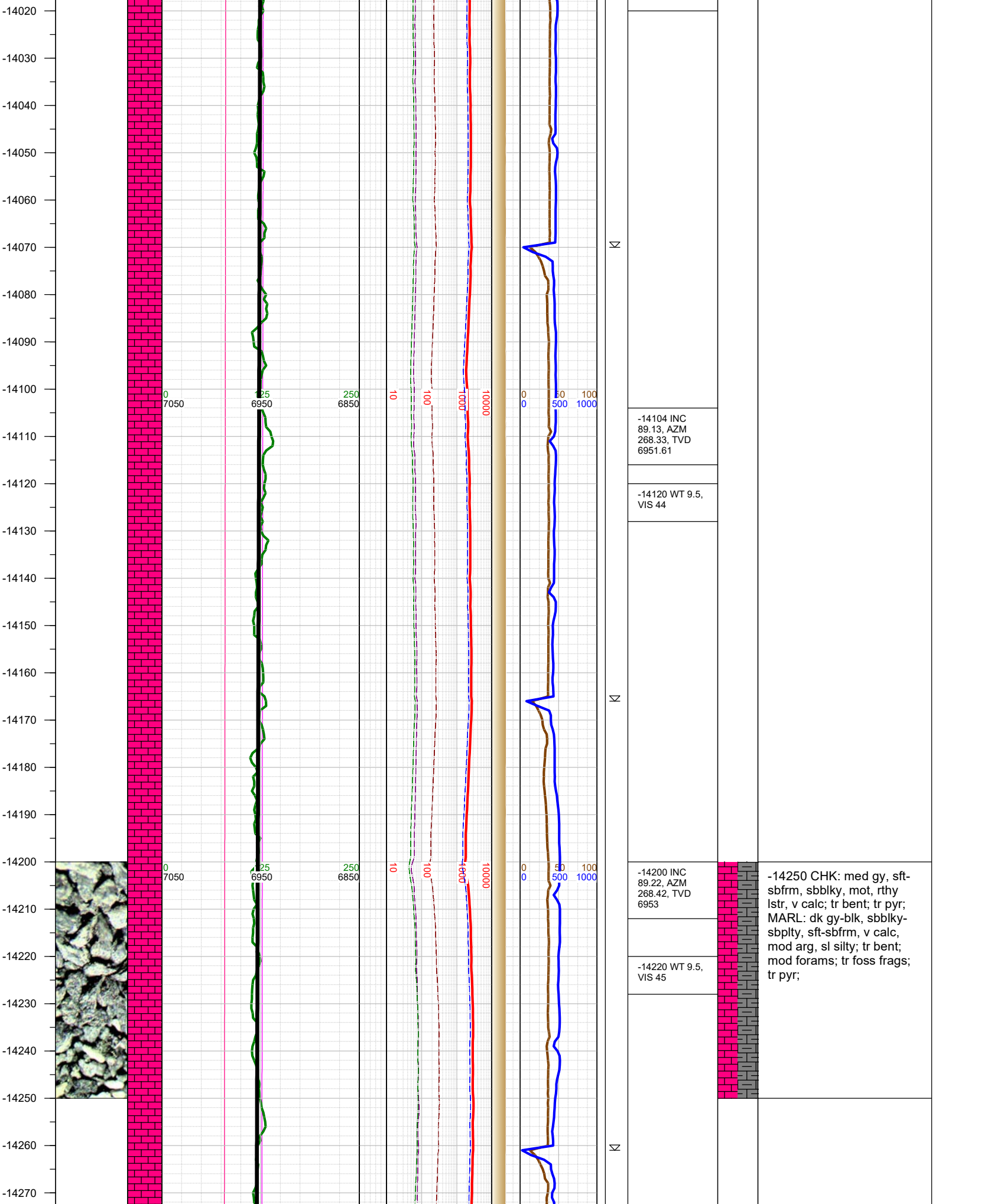
-13000 CHK: med gy-gy-lt
brn, sft-sbfrm, sbbiky, mot,
rthy lstr, v calc; MARL: dk
gy-blk, sbbiky-sbplty, sft-
sbfrm, v calc, arg, sl silty; tr
foss frags; tr pyr; freq
forams;

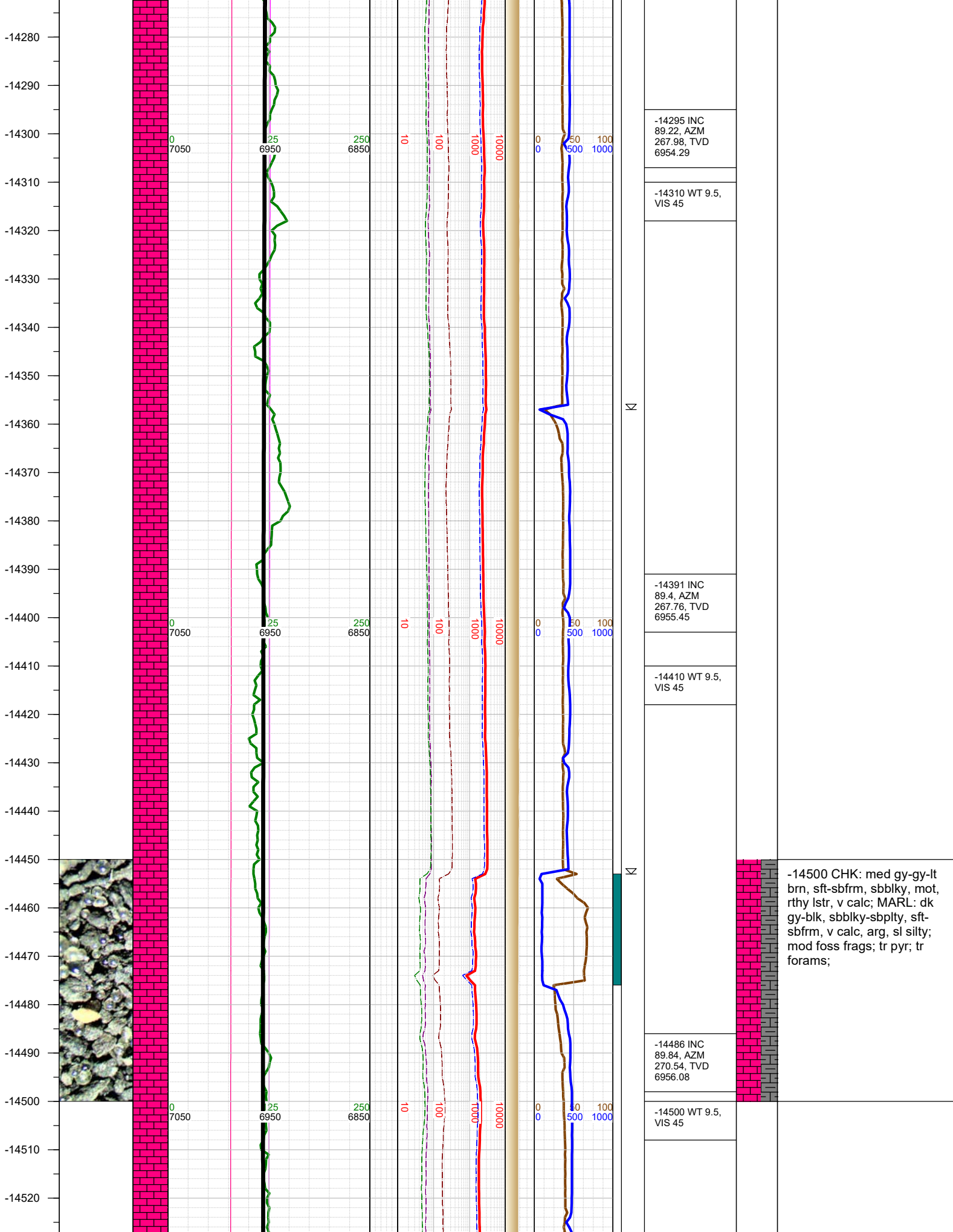




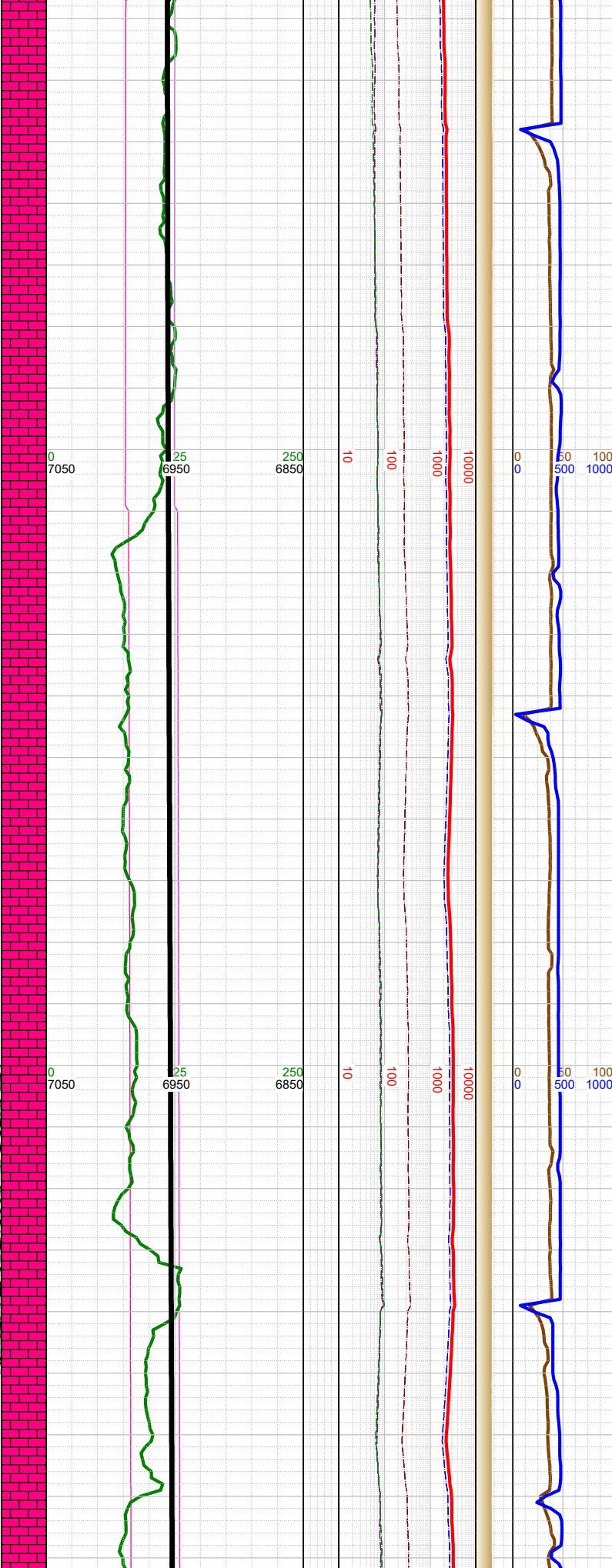
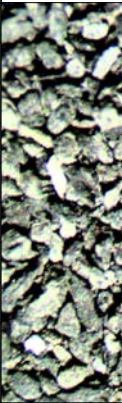








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-14582 INC
90.85, AZM
270.76, TVD
6955.5

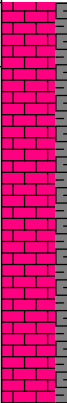
-14600 WT 9.5,
VIS 45

-14609 Fault: 3'
up-throw; stayed
in C Chalk

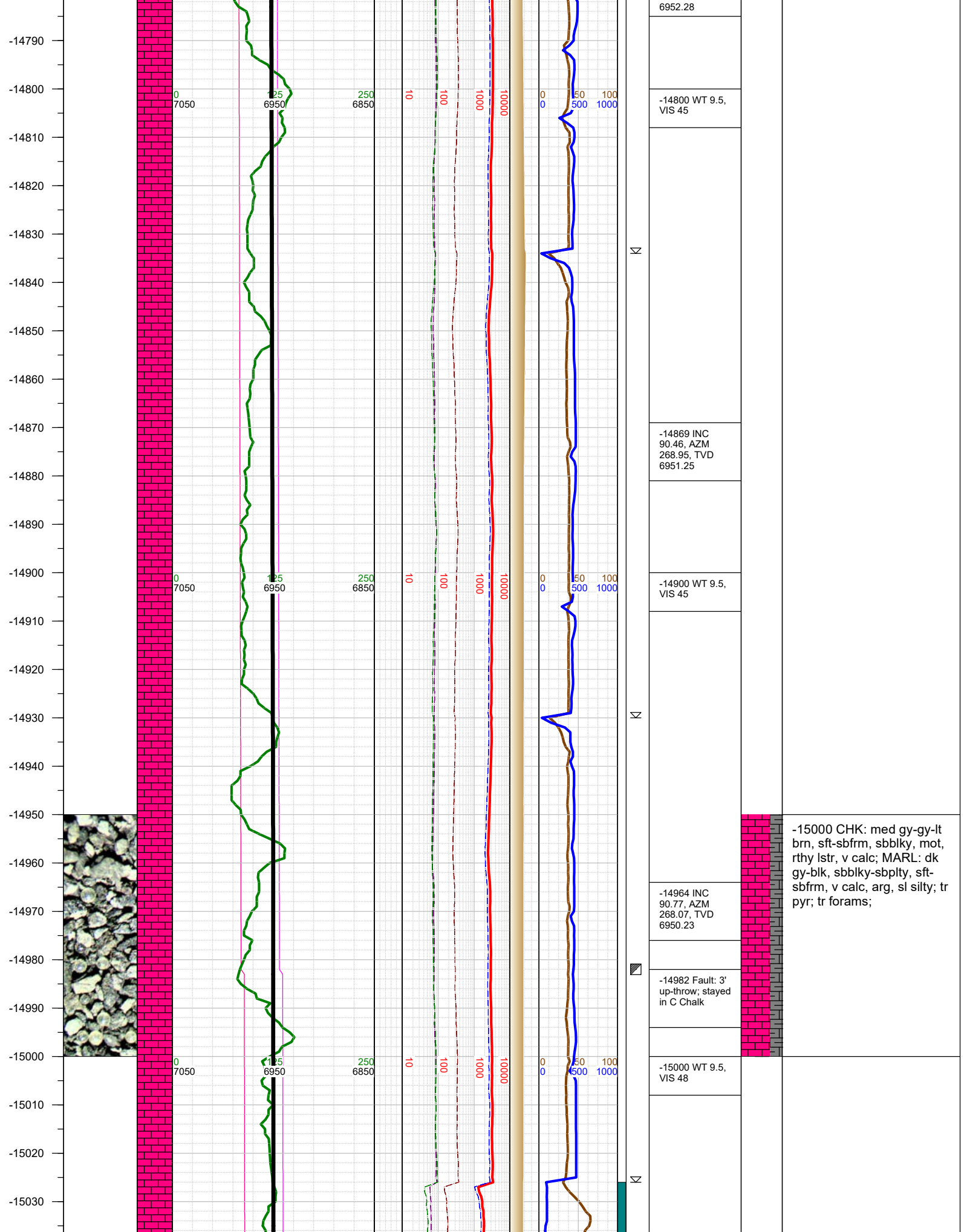
-14678 INC
91.12, AZM
270.54, TVD
6953.85

-14700 WT 9.5,
VIS 45

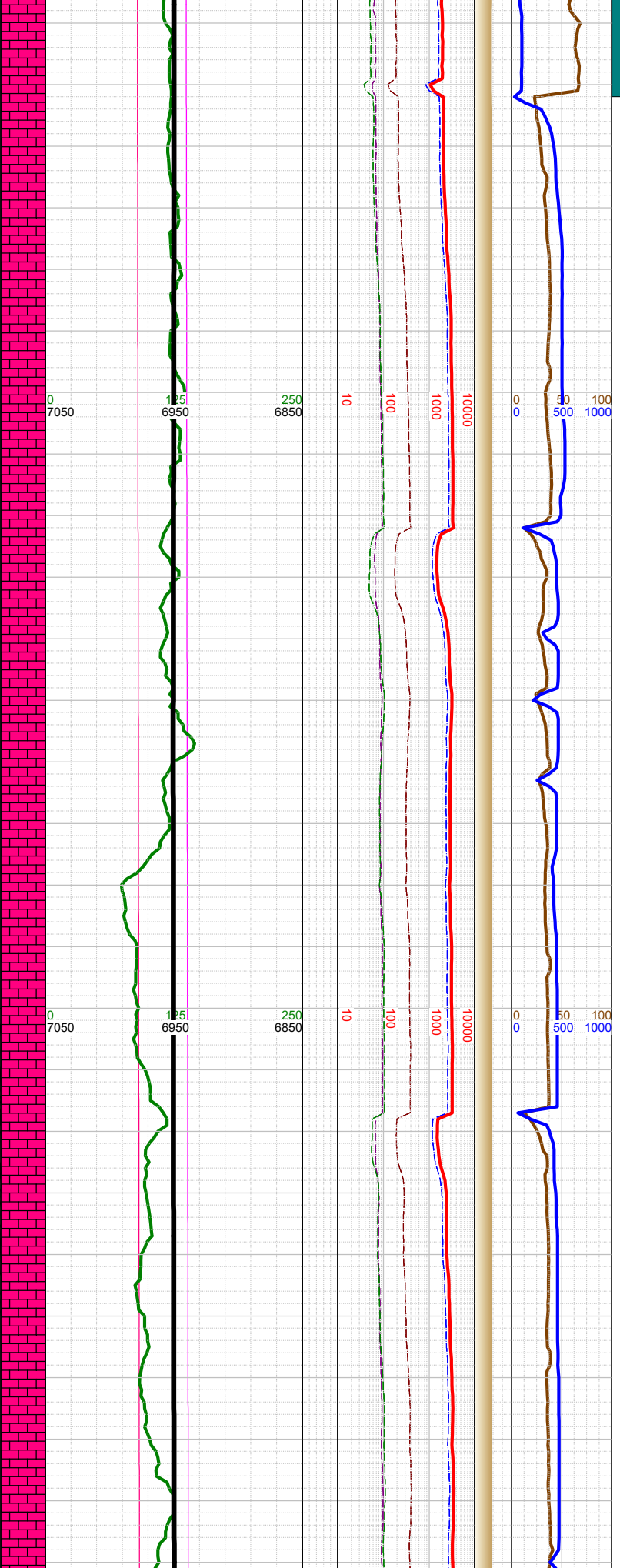
-14773 INC
90.77, AZM
269.83, TVD



-14750 CHK: med gy-gy-lt
brn, sft-sbfrm, sbblky, mot,
rthy lstr, v calc; MARL: dk
gy-blk, sbblky-sbplty, sft-
sbfrm, v calc, arg, sl silty; tr
foss frags; tr pyr; mod
forams;



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-15060 INC
89.44, AZM
271.46, TVD
6950.05

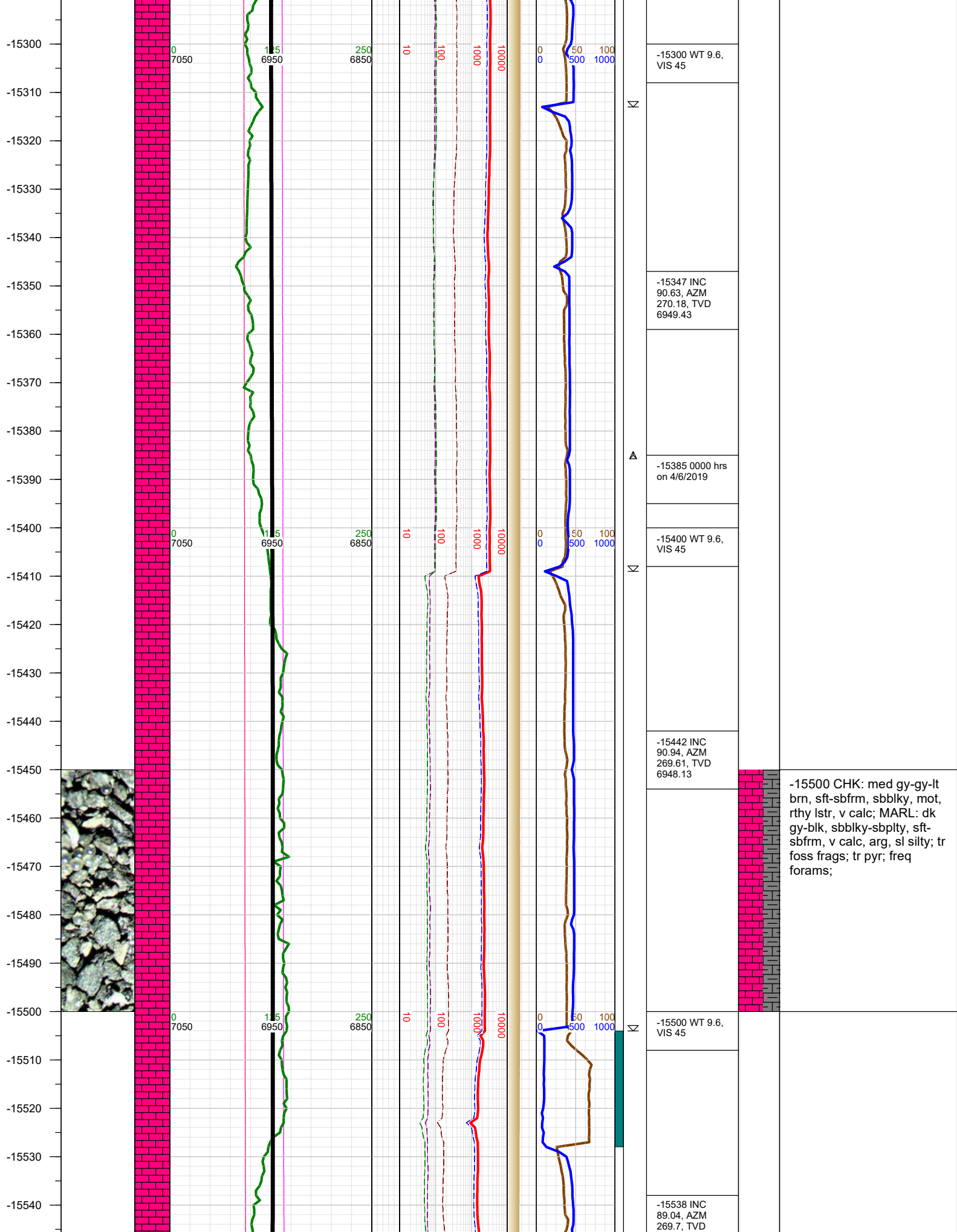
-15100 WT 9.5,
VIS 48

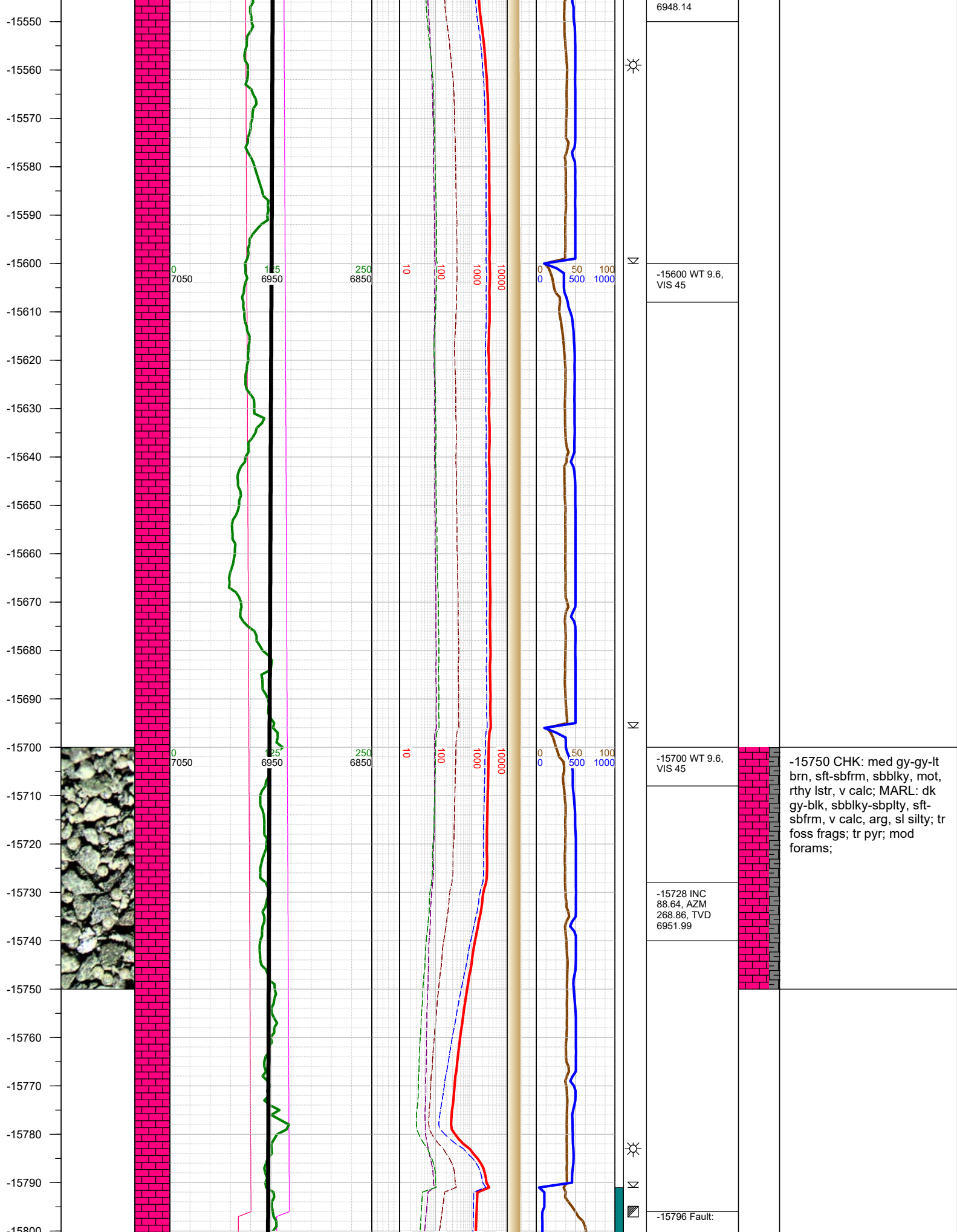
-15156 INC
89.93, AZM
270.62, TVD
6950.58

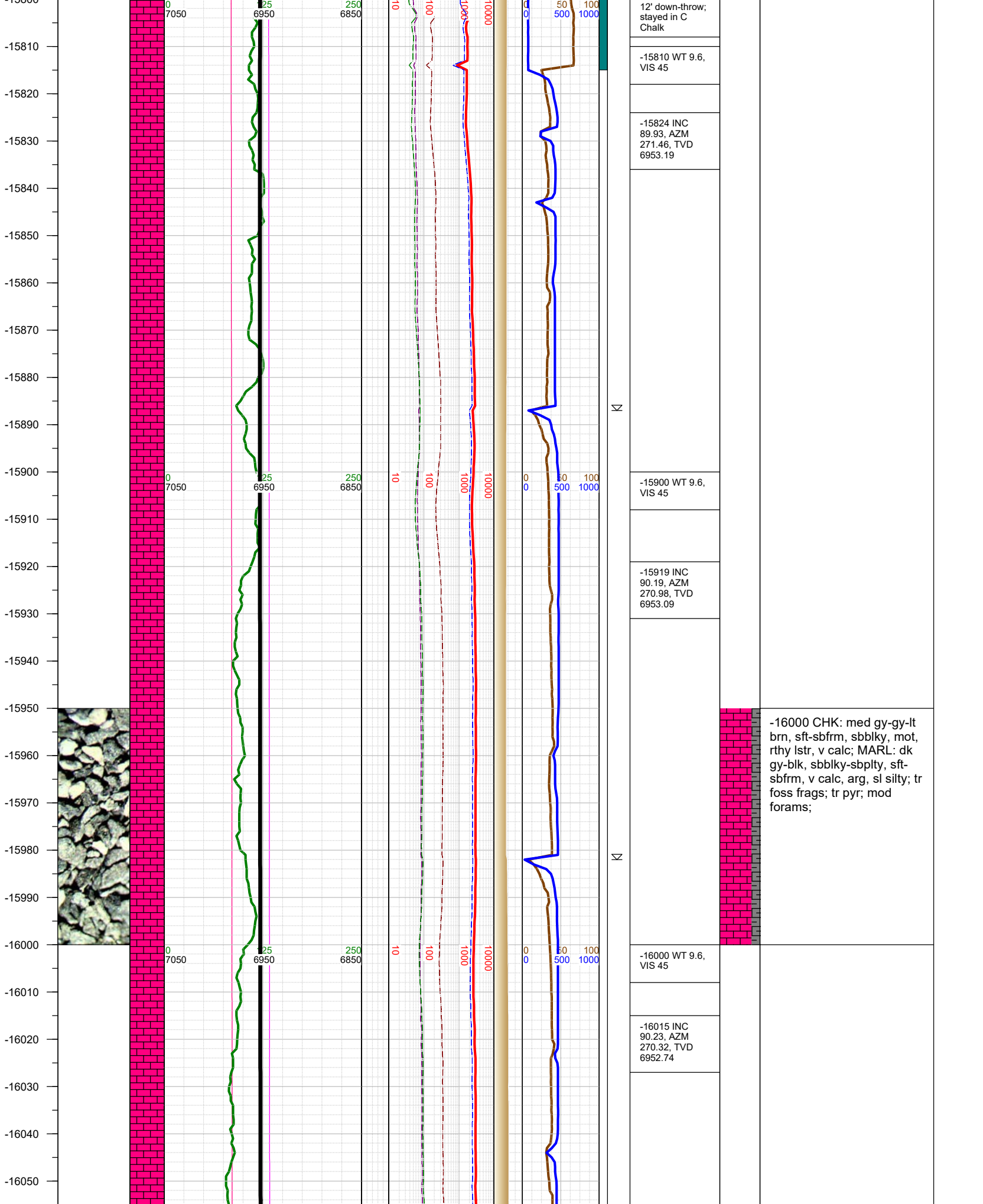
-15200 WT 9.5,
VIS 48

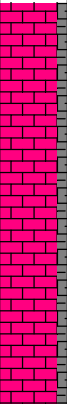
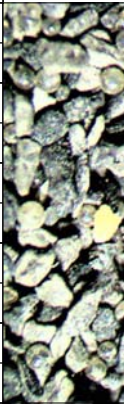
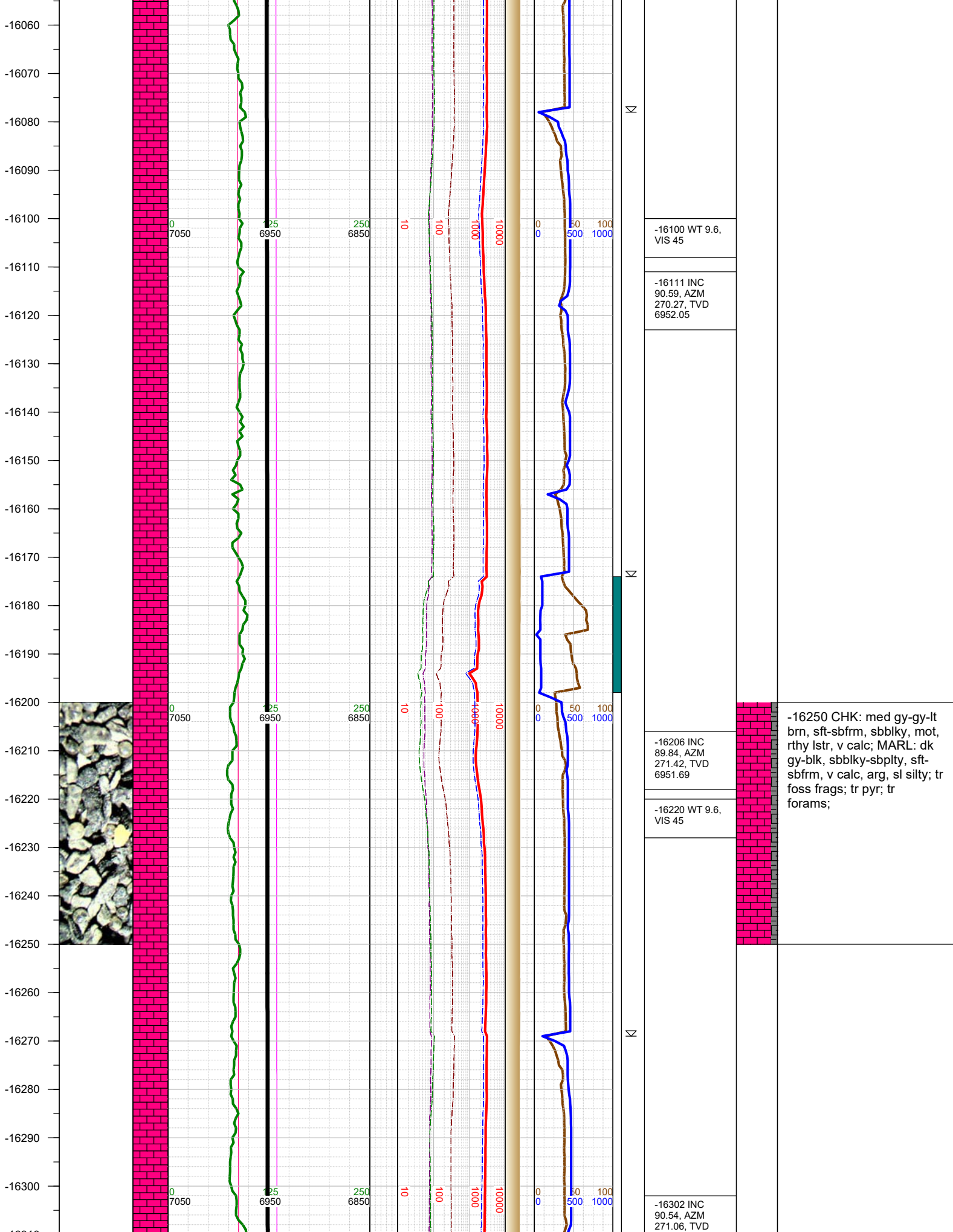
-15251 INC
90.41, AZM
270.18, TVD
6950.3

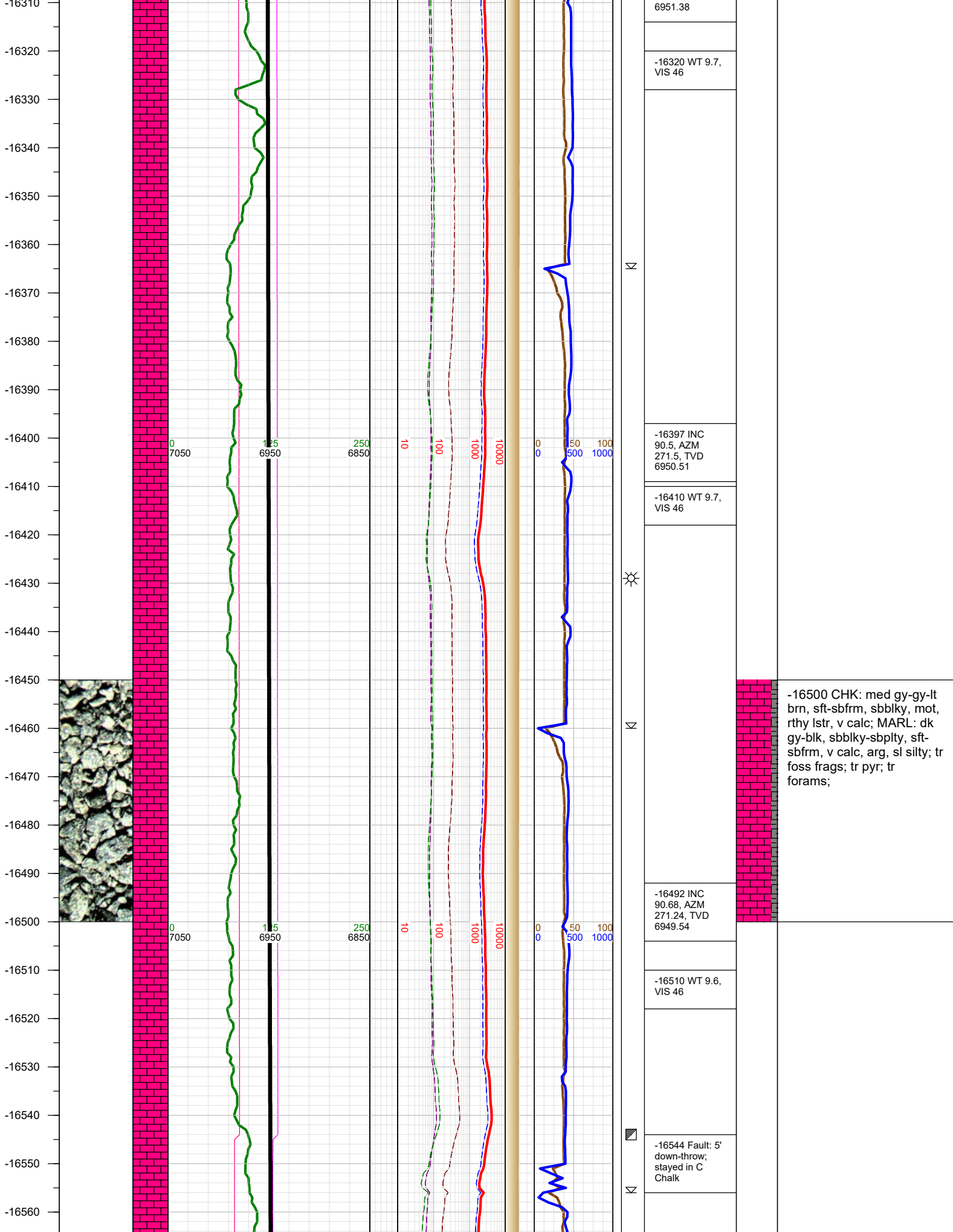
-15250 CHK: med gy-gy-lt
brn, sft-sbfrm, sbblky, mot,
rthy lstr, v calc; MARL: dk
gy-blk, sbblky-sbplty, sft-
sbfrm, v calc, arg, sl silty; tr
pyr; tr forams; tr foss
frags;



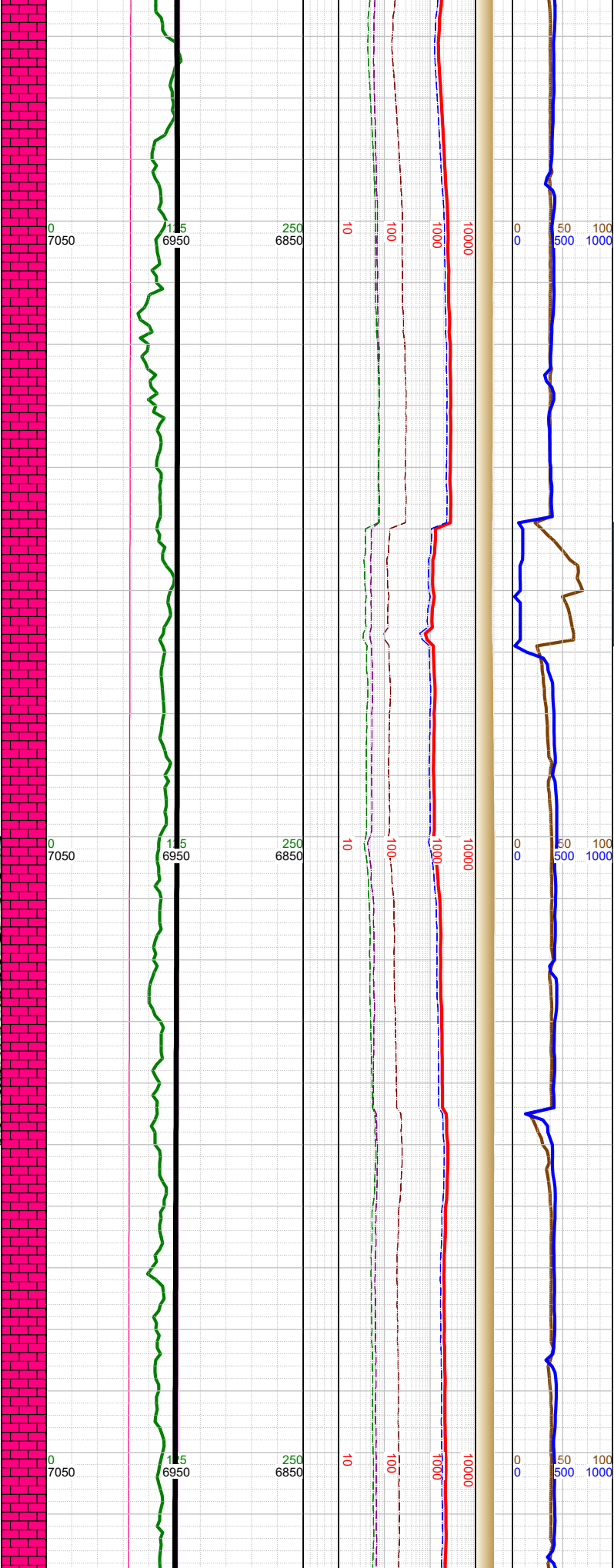
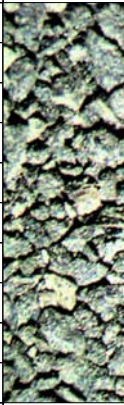








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-16588 INC
91.12, AZM
270.01, TVD
6948.03

-16600 WT 9.6,
VIS 46

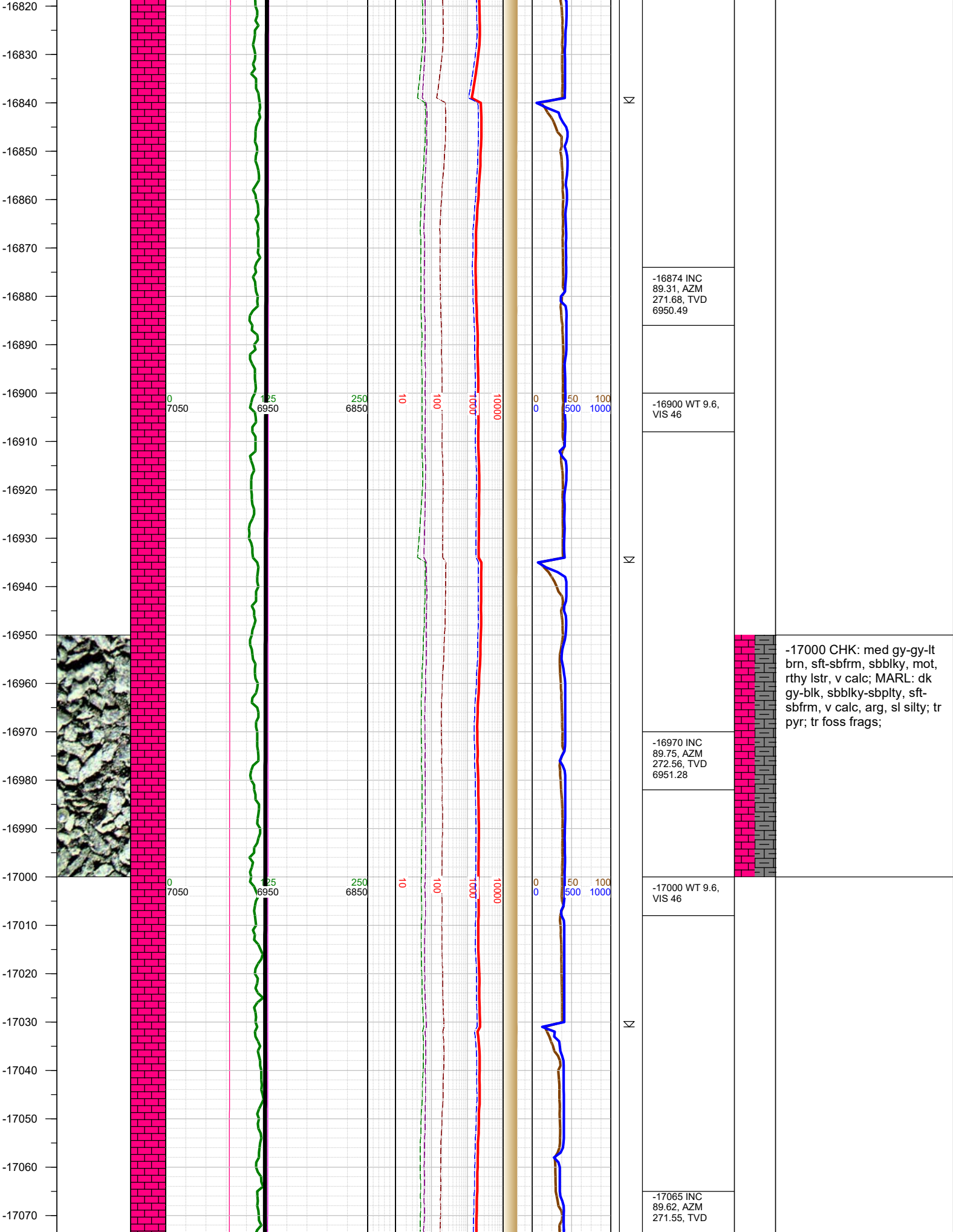
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271.99, TVD
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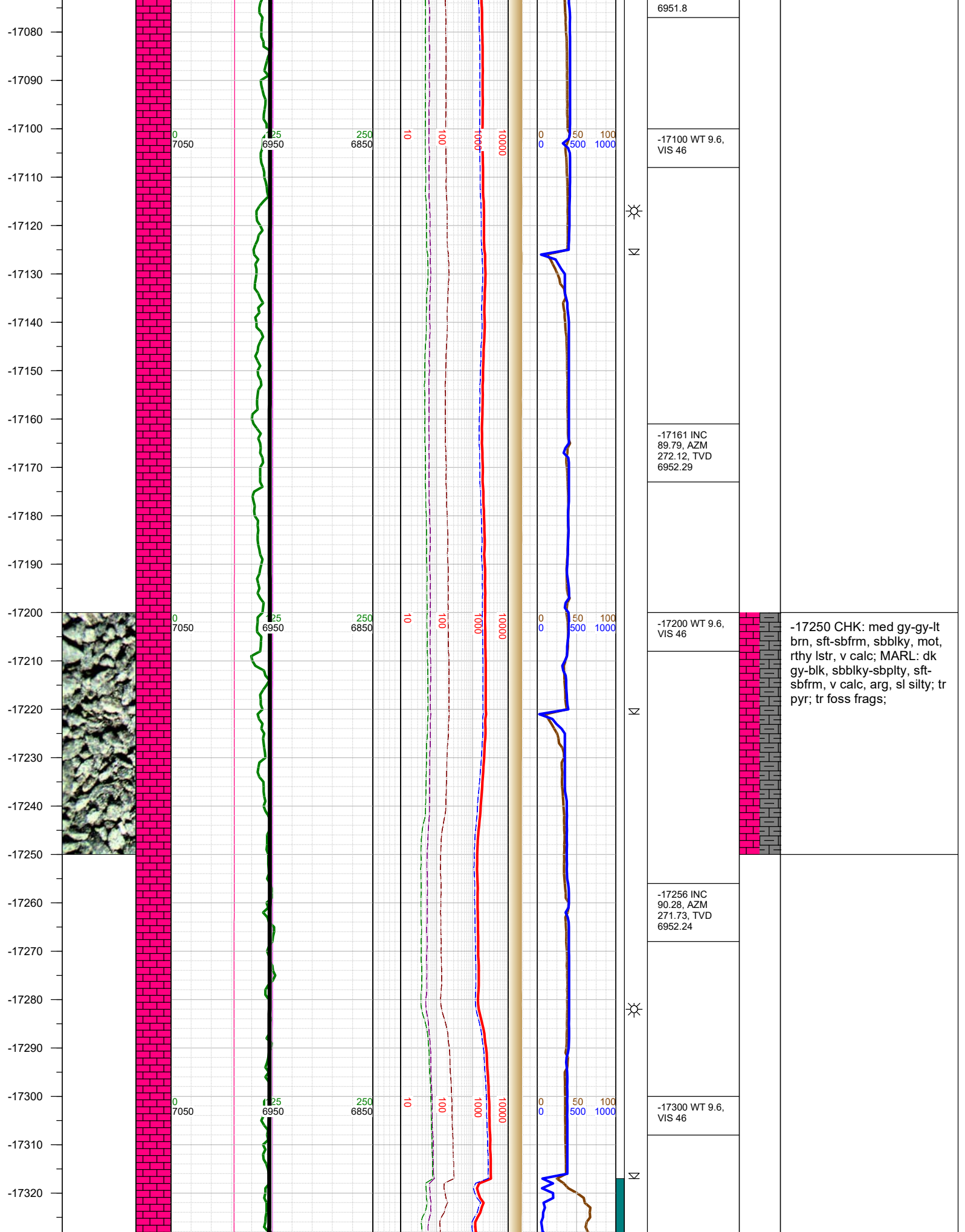
-16700 WT 9.6,
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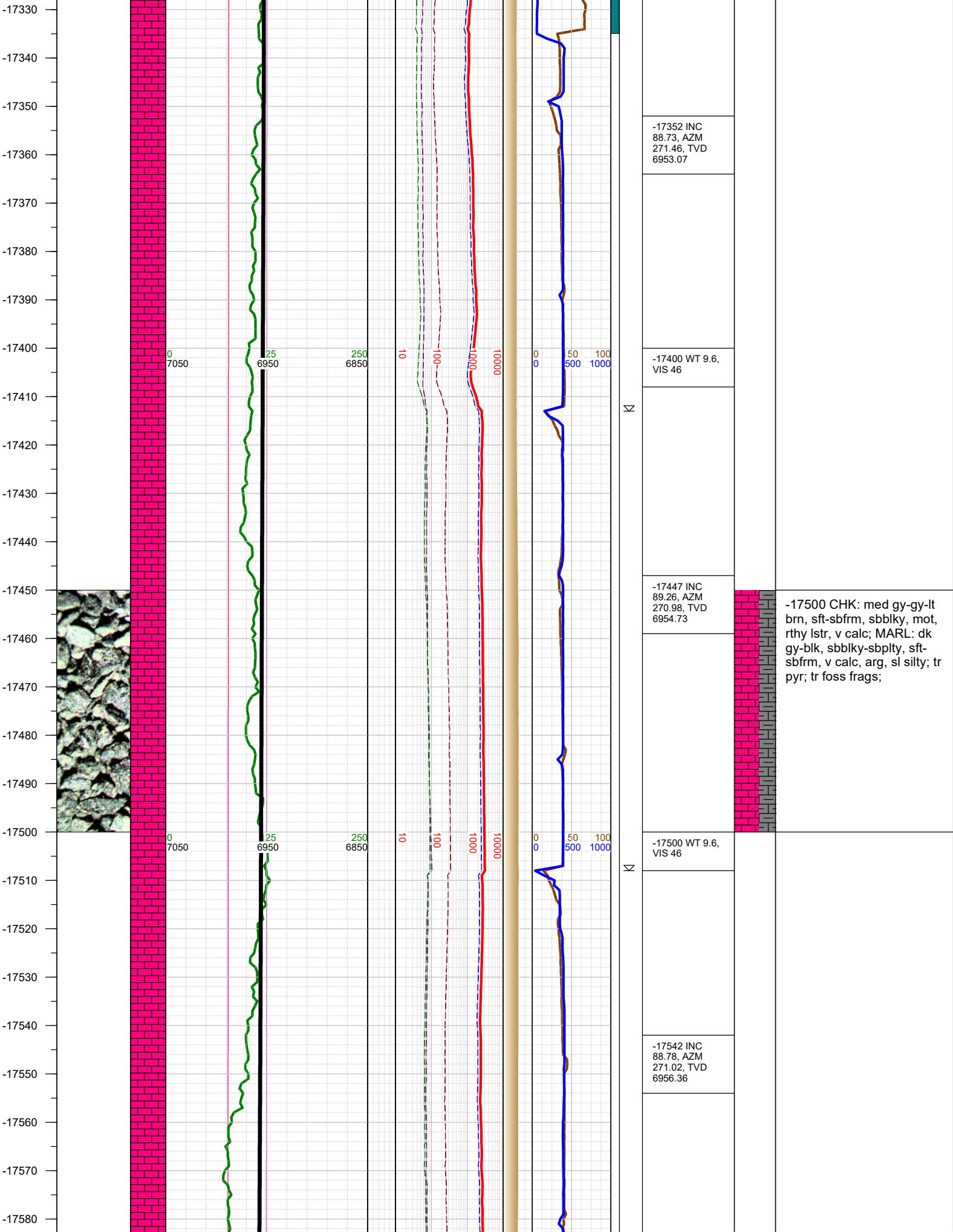
-16779 INC
89.48, AZM
271.9, TVD
6949.49

-16800 WT 9.6,
VIS 45

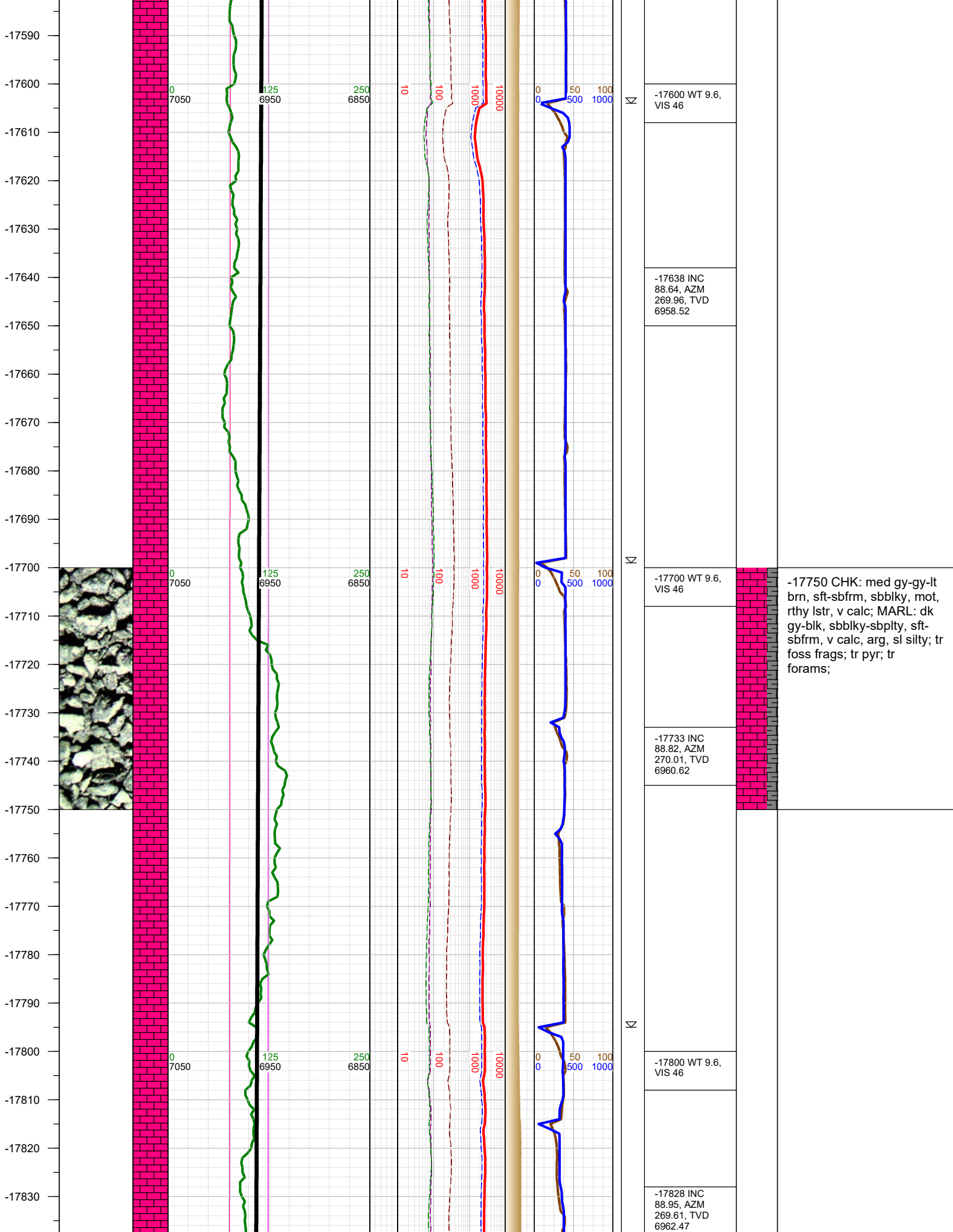
-16750 CHK: med gy-gy-lt
brn, sft-sbfrm, sbblky, mot,
rthy lstr, v calc; MARL: dk
gy-blk, sbblky-sbplty, sft-
sbfrm, v calc, arg, sl silty; tr
pyr; tr foss frags;

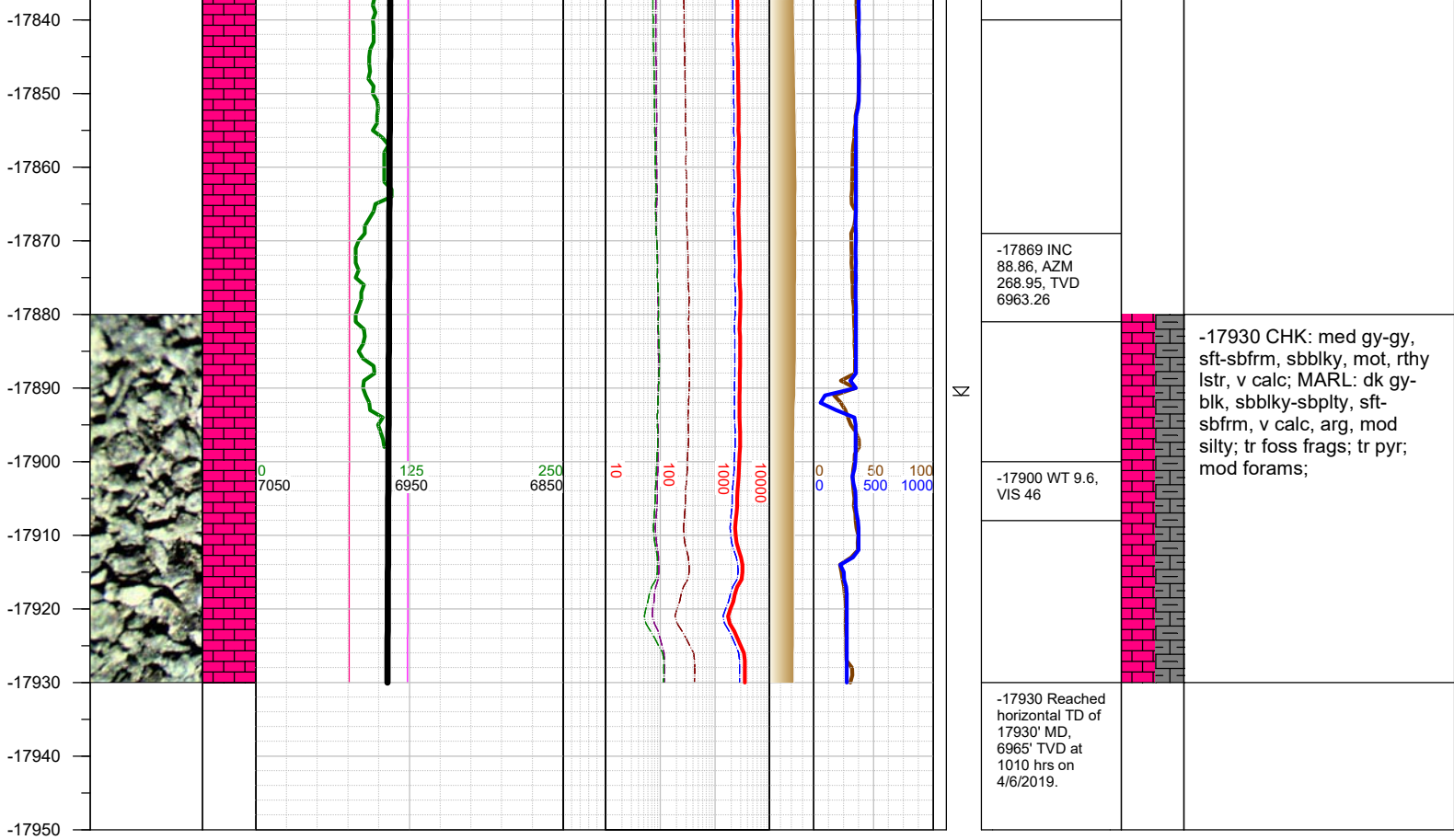






-17500 CHK: med gy-gy-lt
brn, sft-sbfrm, sbblky, mot,
rthy lstr, v calc; MARL: dk
gy-blk, sbblky-sbplty, sft-
sbfrm, v calc, arg, sl silty; tr
foss frags;





TOTAL DEPTH = 17930'

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