

OPERATOR: **Extraction Oil & Gas**
WELL NAME: **MT Fed Glenfair 8W-20-18**
FIELD NAME: DJ Basin - Wattenberg
DRILLING RIG: Patterson 340
API #: 05-123-42181

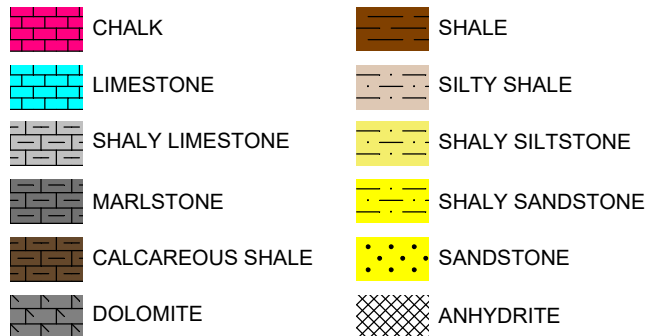
LAT/LONG: 40.41781, -104.67166
SURFACE HOLE: NENW S9-T5N-R65W, 1100' FNL, 1754' FWL
BOTTOM HOLE: S7-T5N-R65W, 1860' FSL, 460' FWL



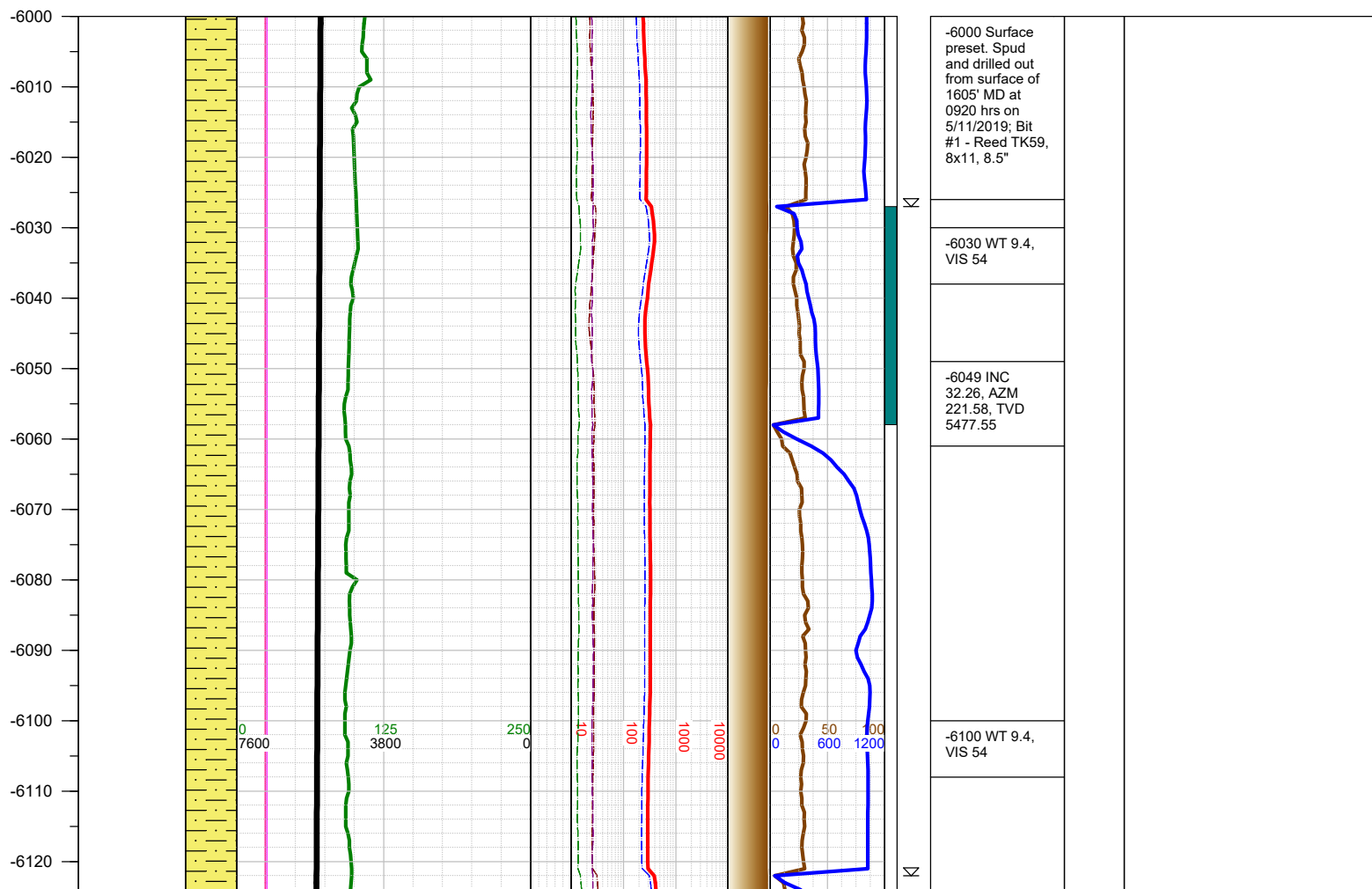
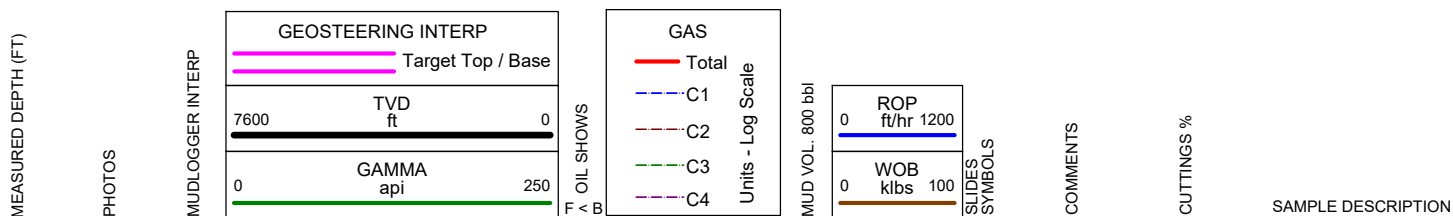
Earth Science Agency, LLC

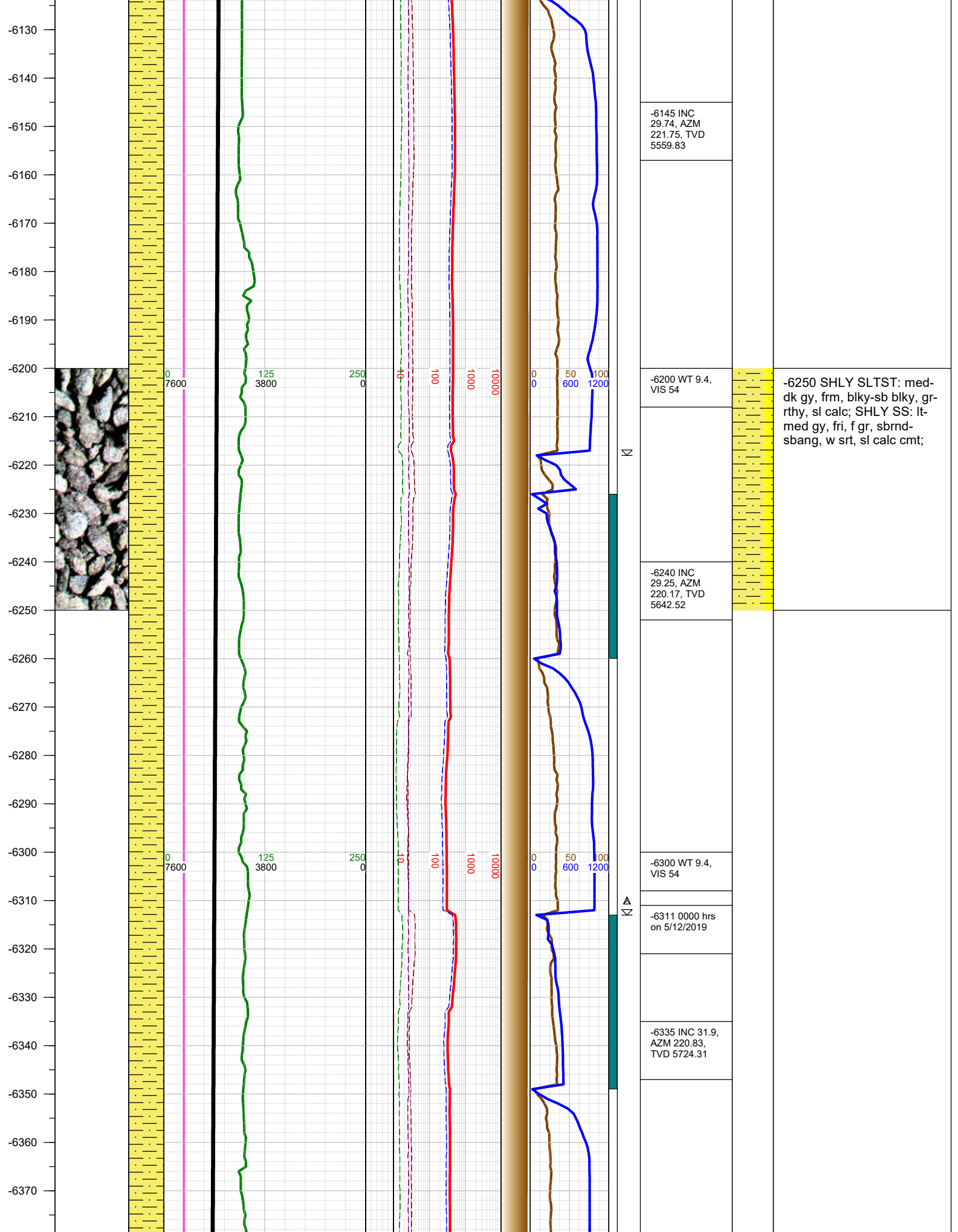
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 4635'
KELLY BUSHING: 4660'
DRILLING FLUID: OBM
TVD VS. MD: 6866' / 17520'
SPUD DATE: May 11, 2019
TD DATE: May 14, 2019
DEPTHS LOGGED: 6000' - 17520'
DATES LOGGED: May 11, 2019 - May 14, 2019
GEOLOGISTS: Curtis Magnino, Kyle Newman
SCALE: 5" = 100'

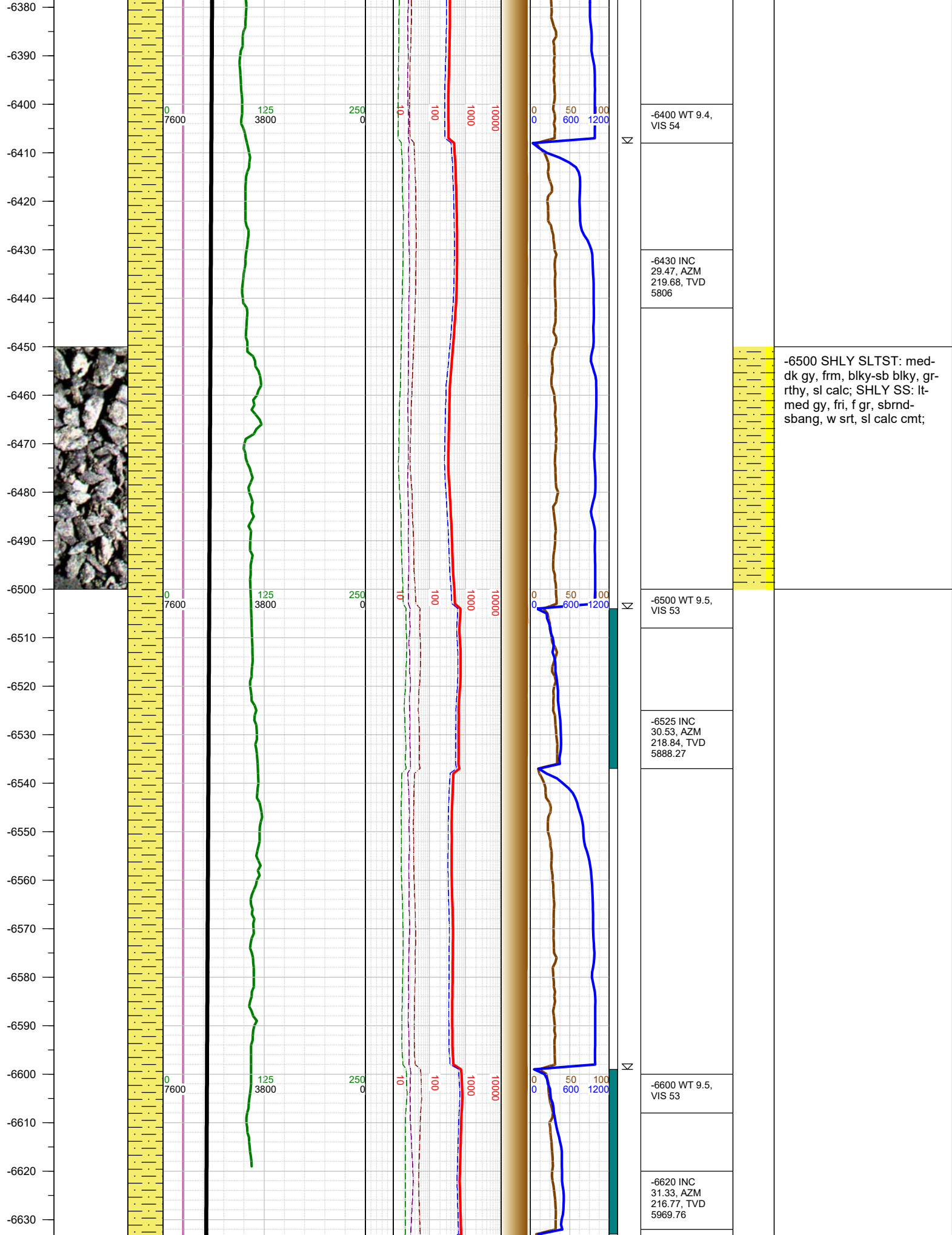
LEGEND

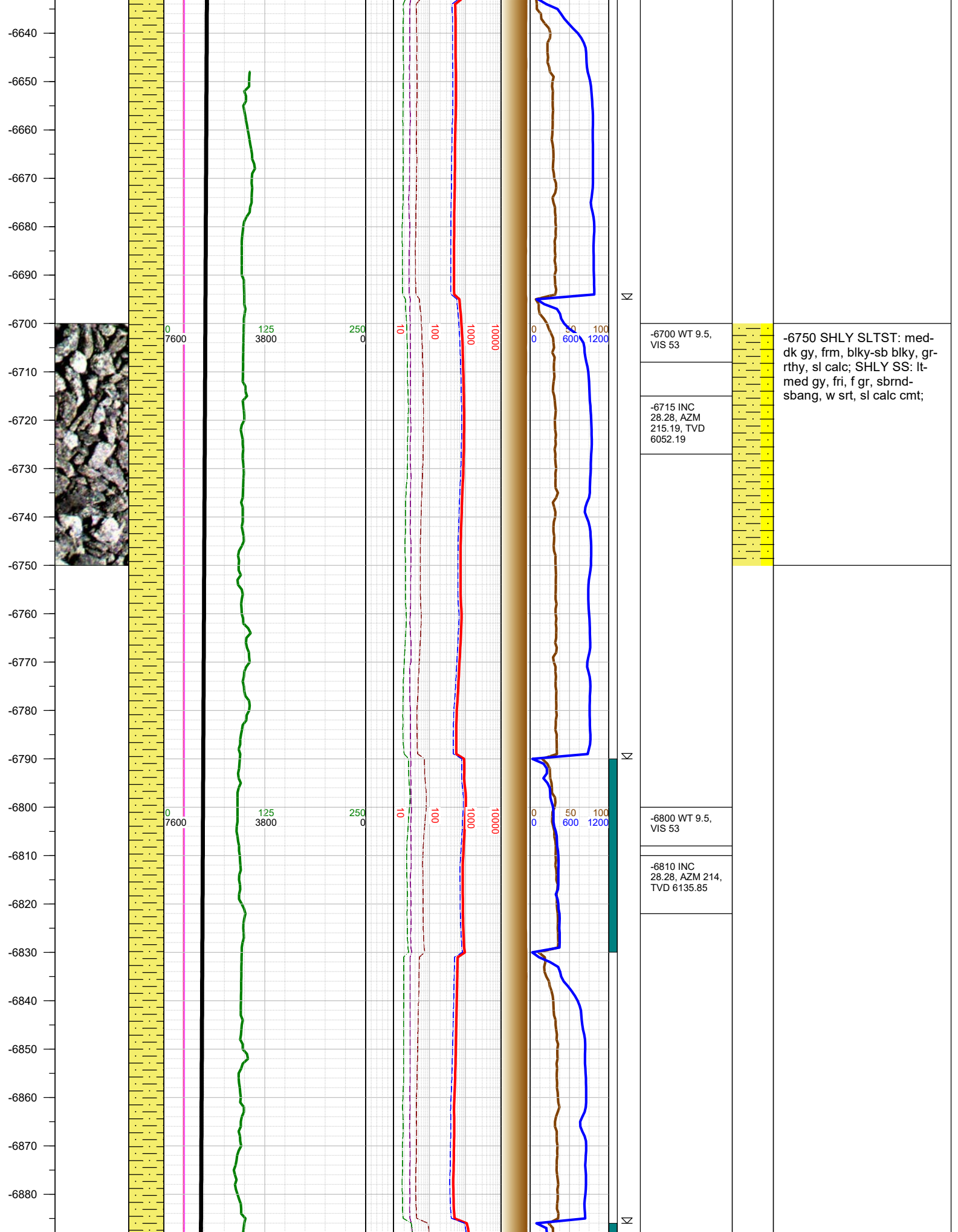


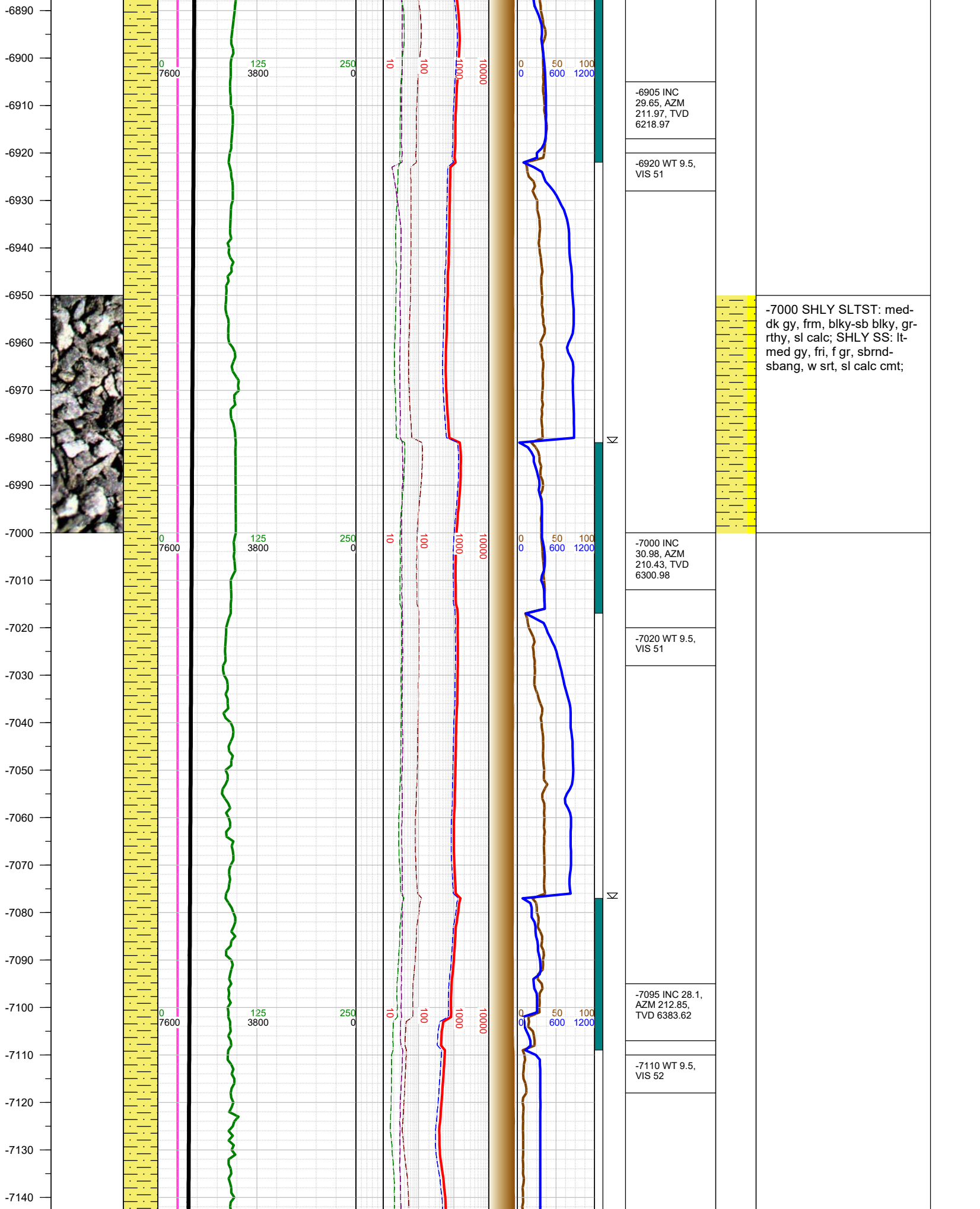
FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

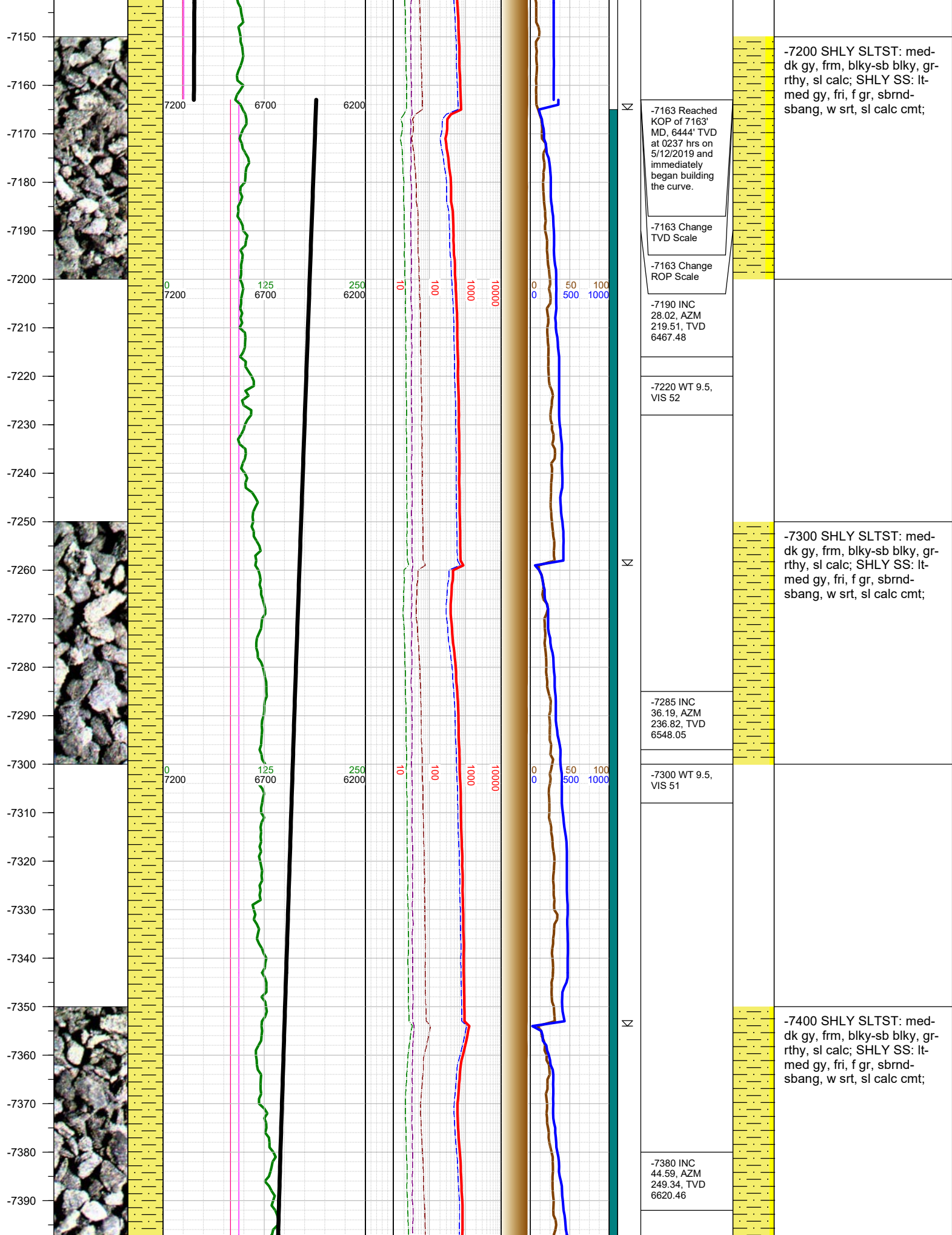


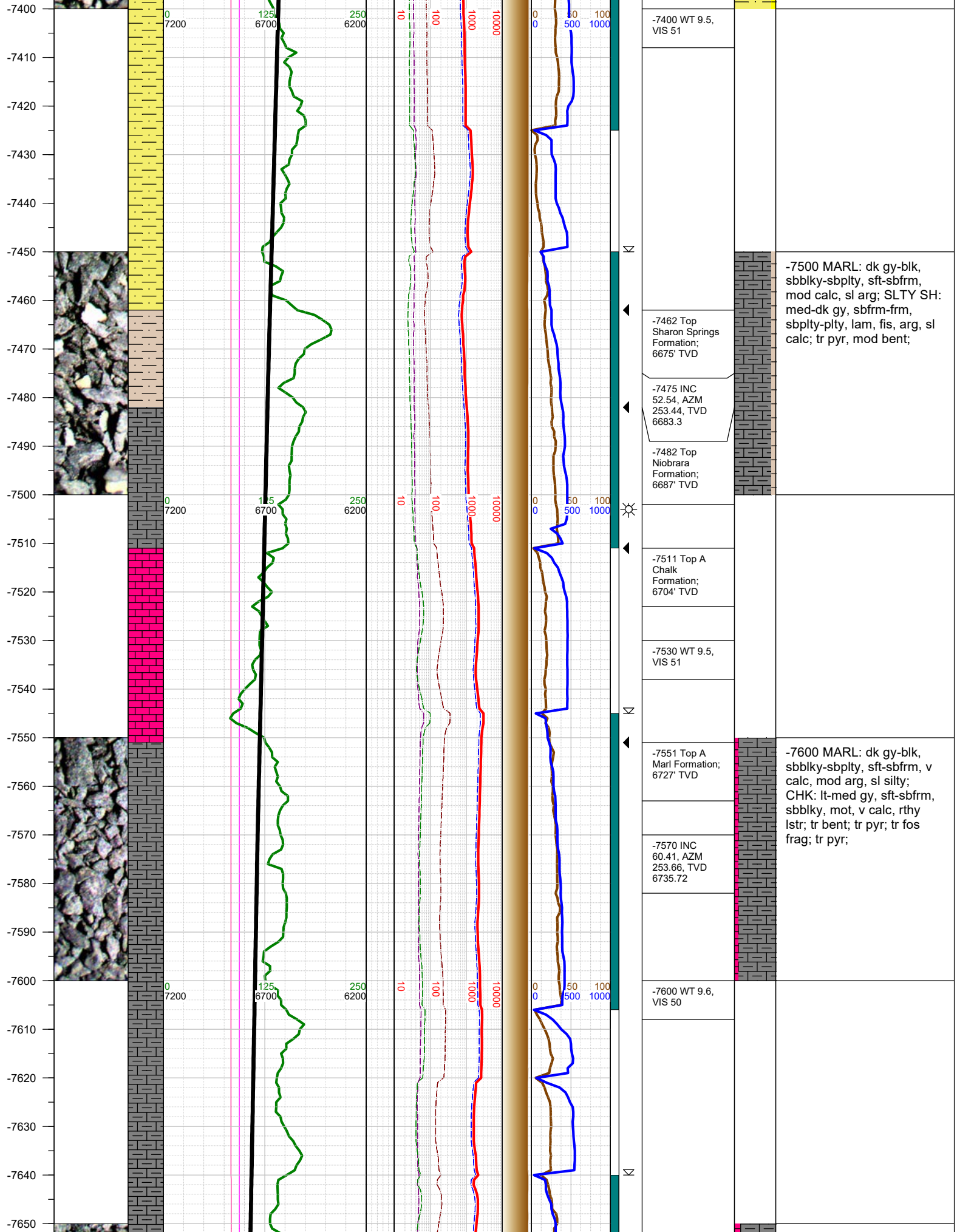


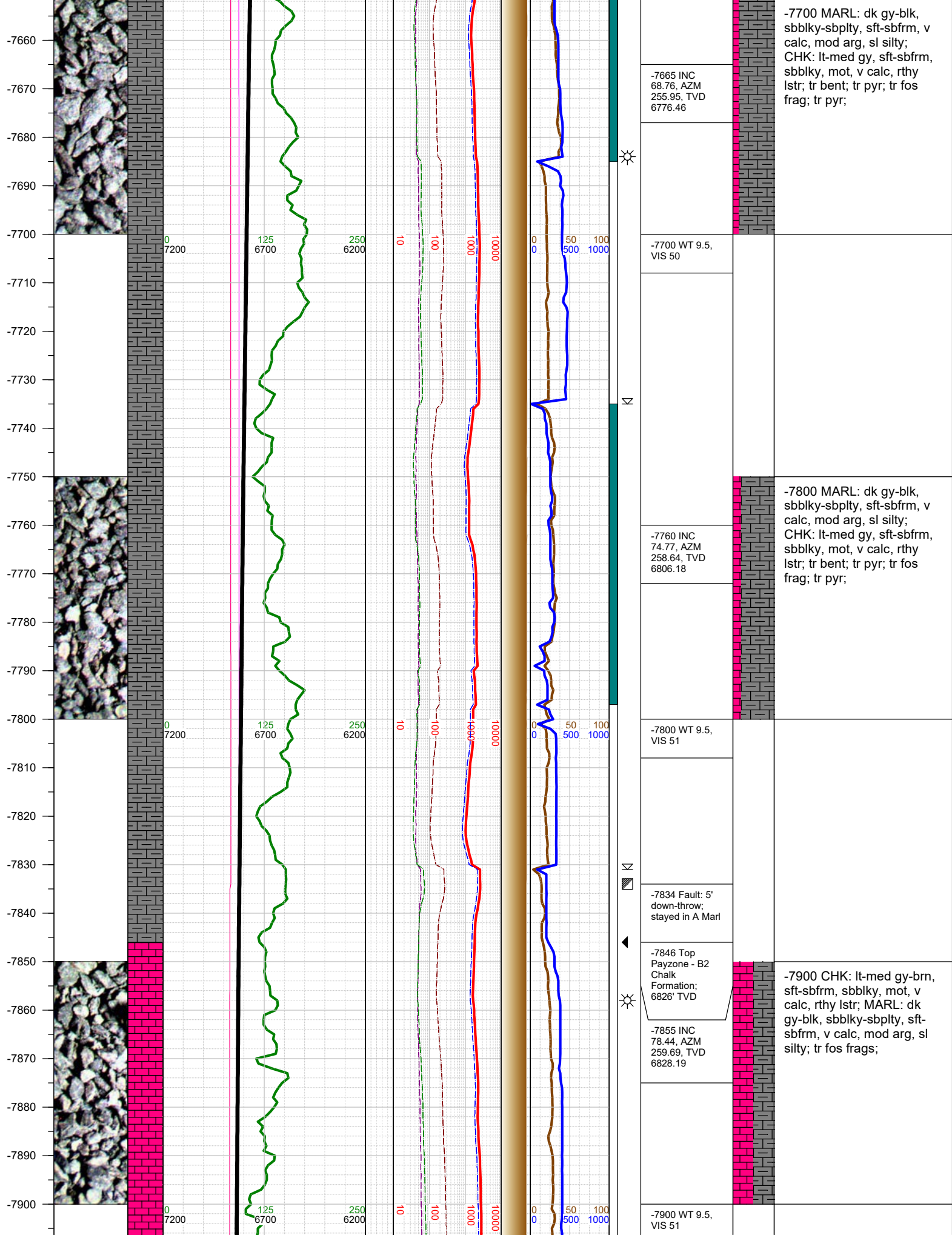


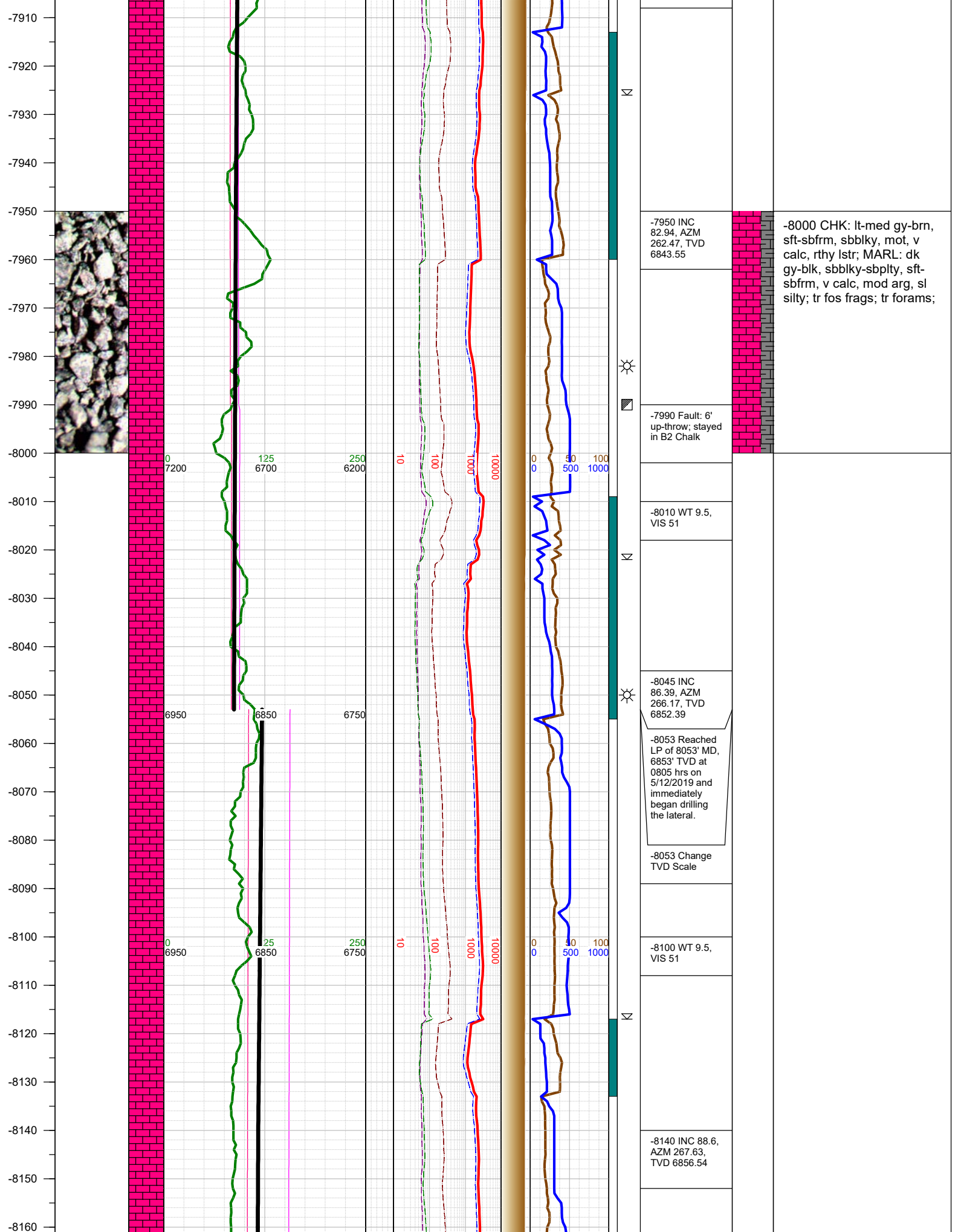


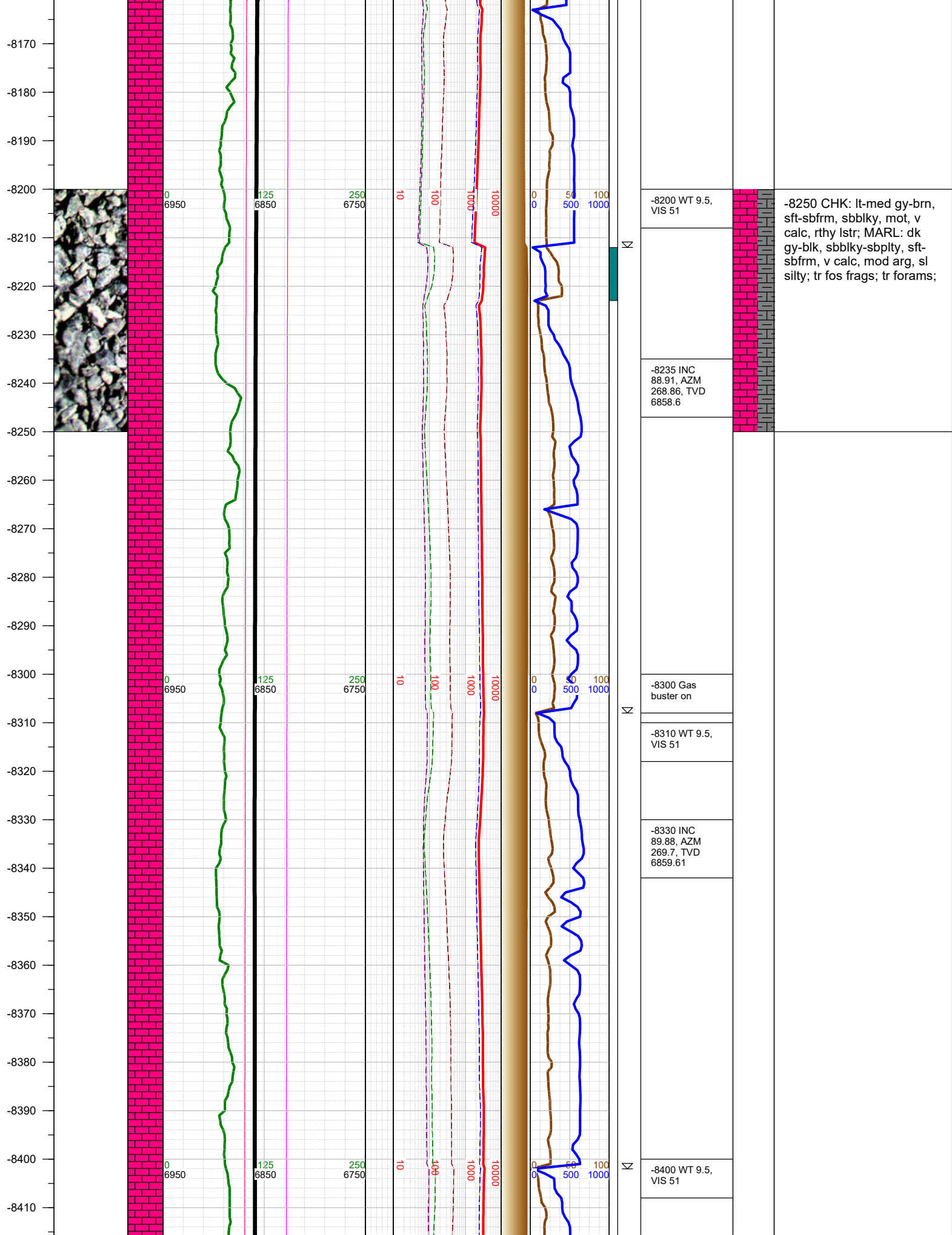




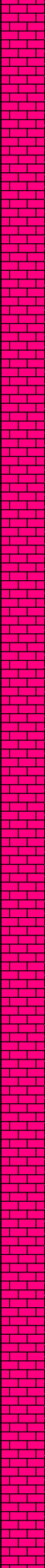








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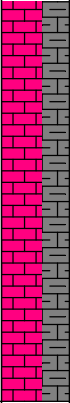
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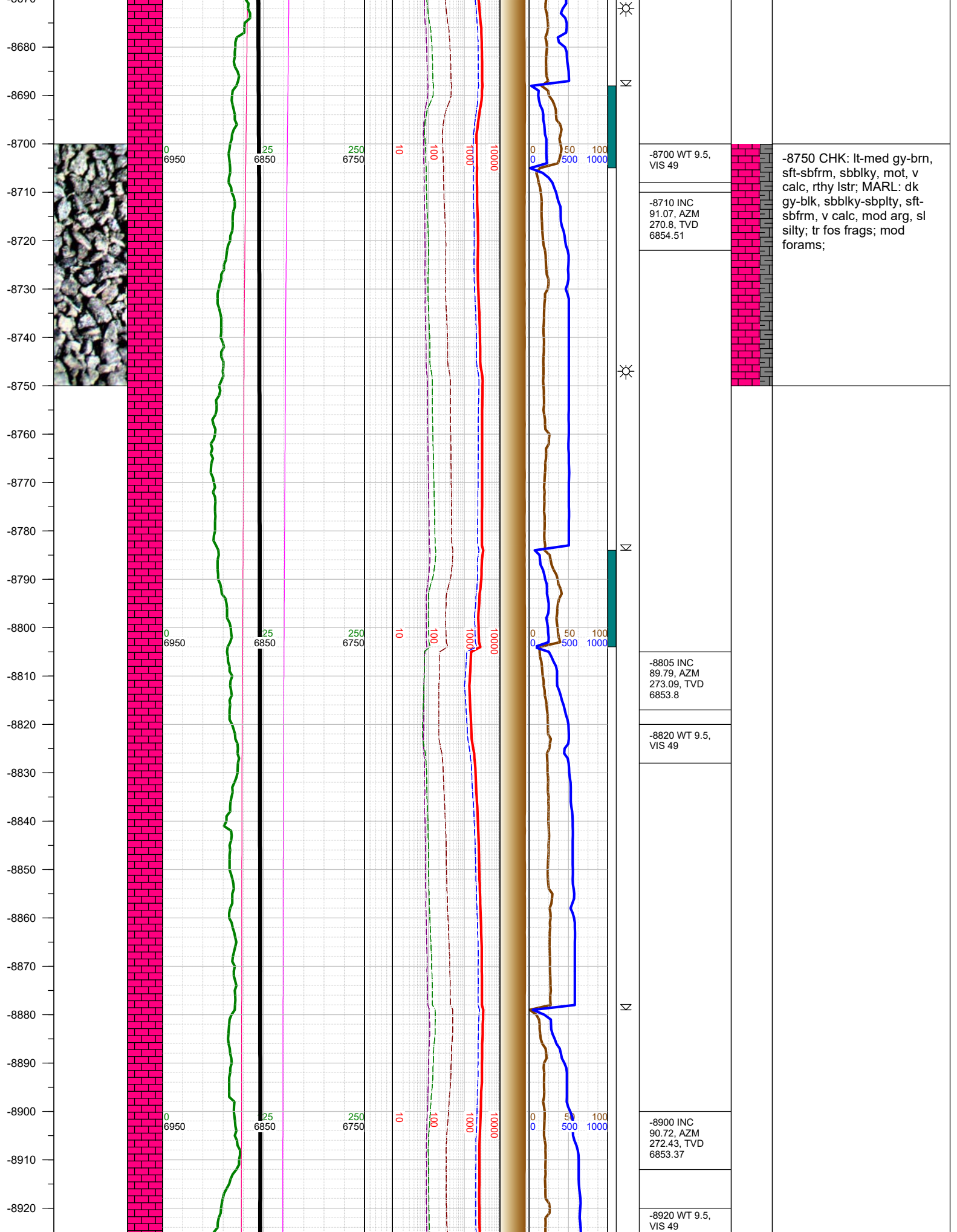
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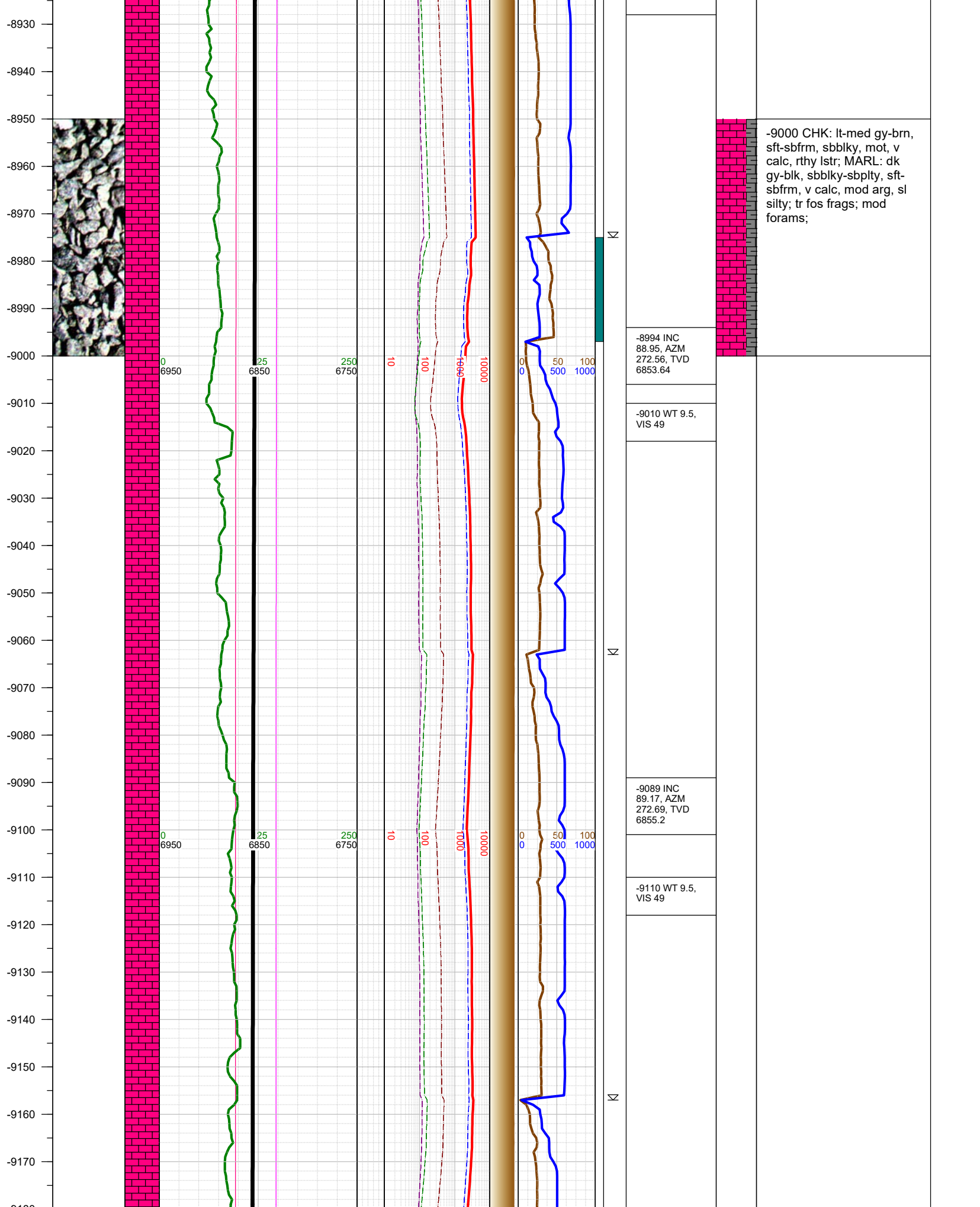
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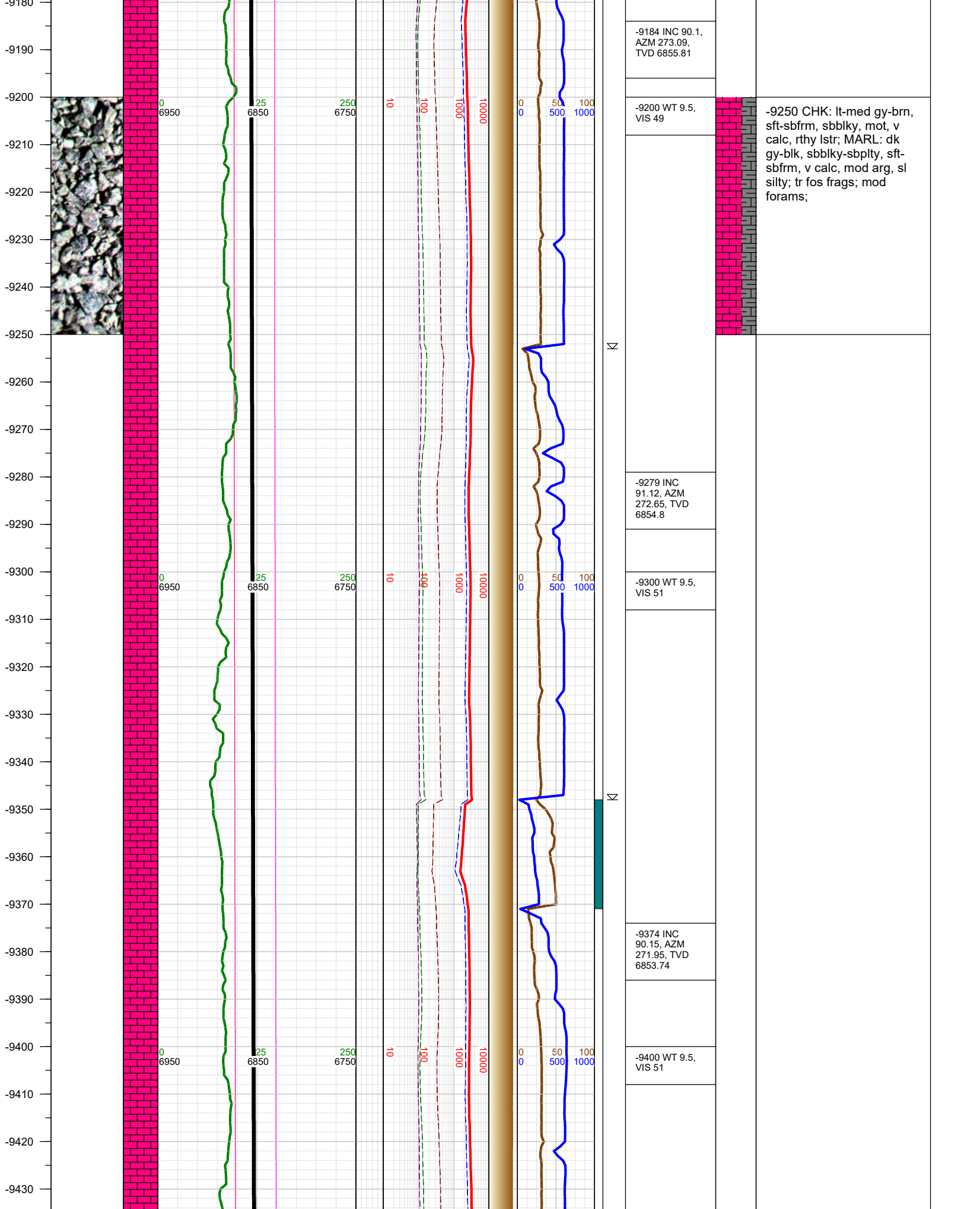
-8425 INC 90.5, AZM 270.09, TVD 6859.29	
-8500 WT 9.5, VIS 49	
-8520 INC 90.72, AZM 270.09, TVD 6858.28	
-8571 Fault: 8' up-throw; stayed in B2 Chalk	
-8600 WT 9.5, VIS 49	
-8615 INC 91.38, AZM 269.57, TVD 6856.54	

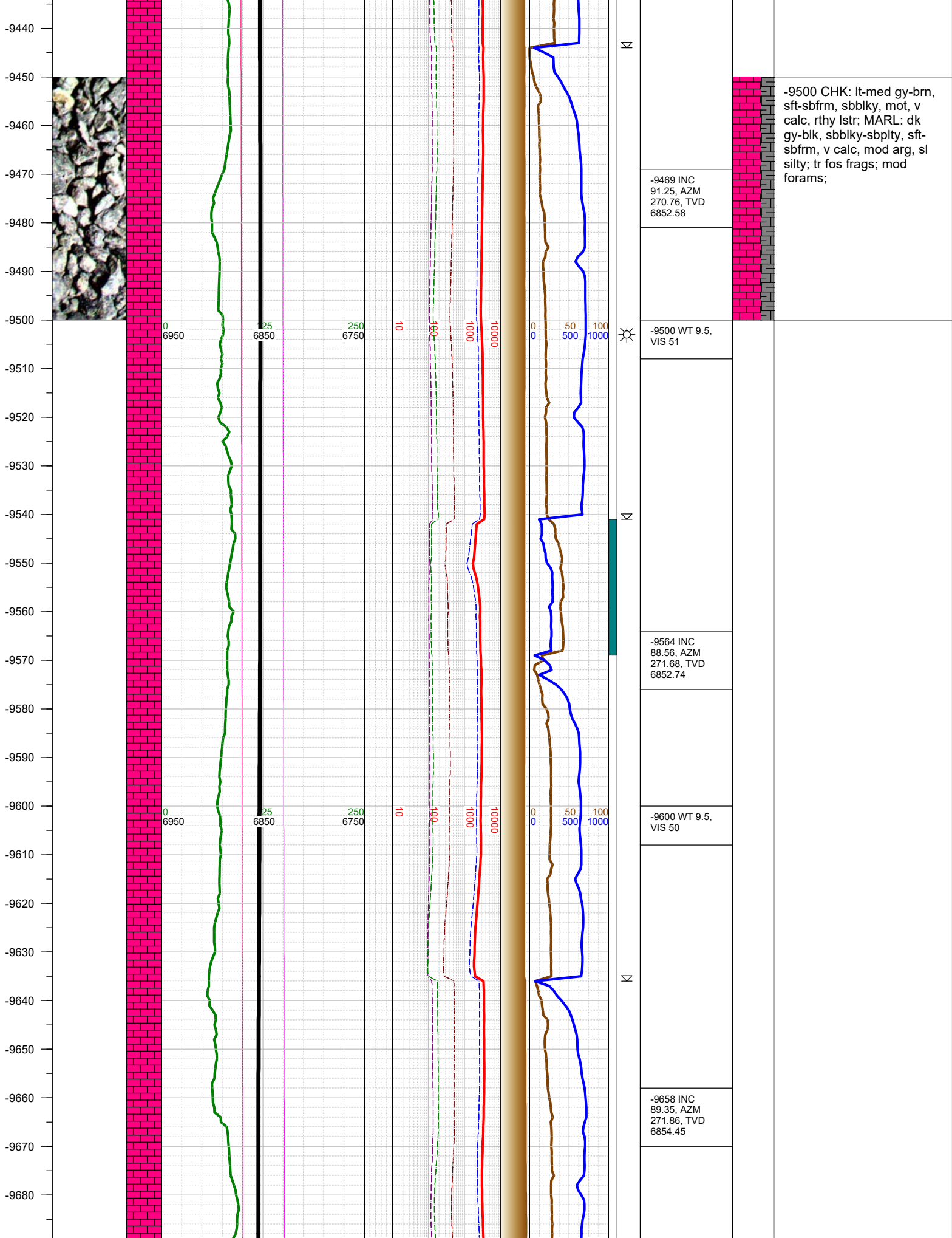


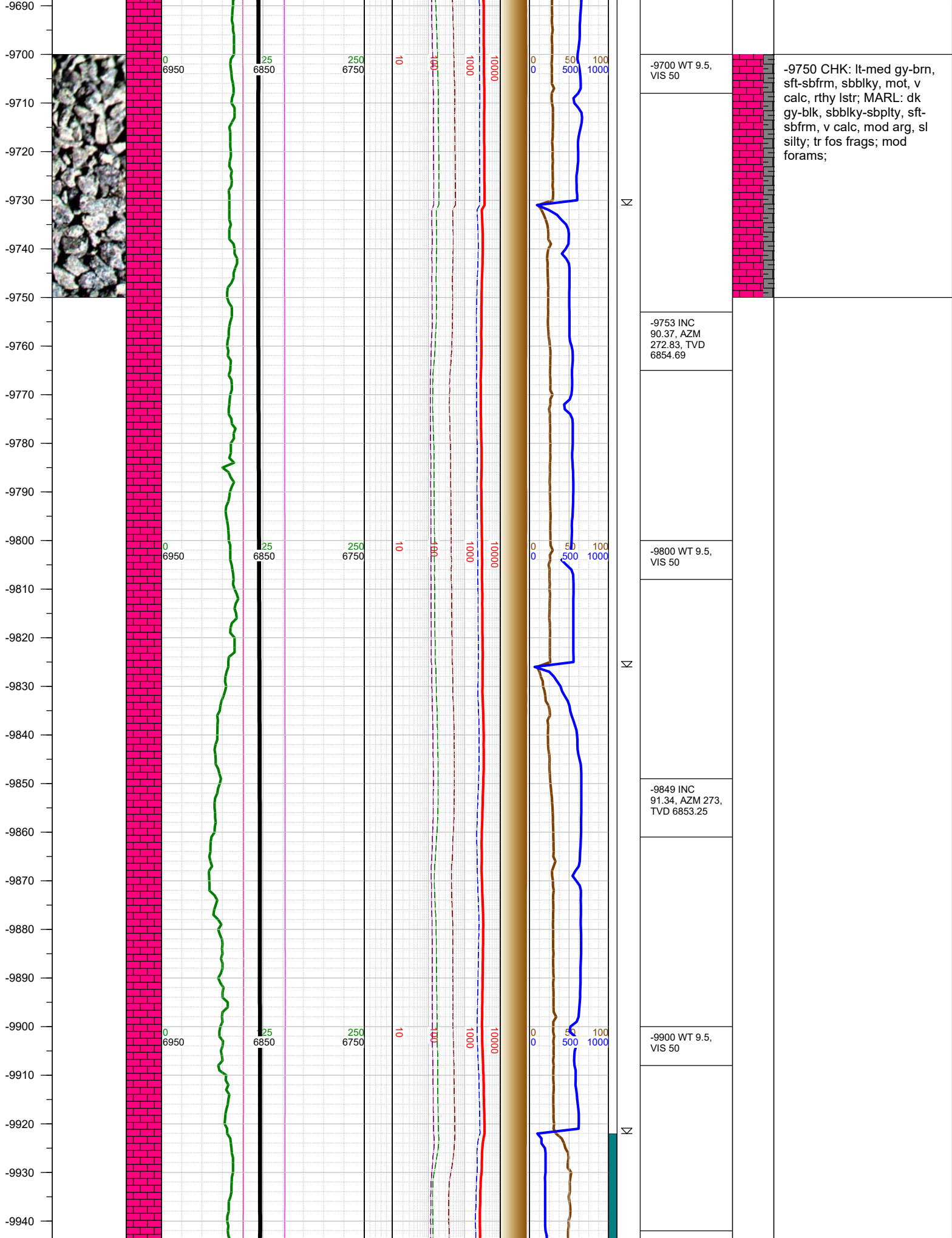
-8500 CHK: lt-med gy-brn,
sft-sbfrm, sbbkly, mot, v
calc, rthy lstr; MARL: dk
gy-blk, sbbkly-sbplty, sft-
sbfrm, v calc, mod arg, sl
silty; tr fos frags; tr forams;

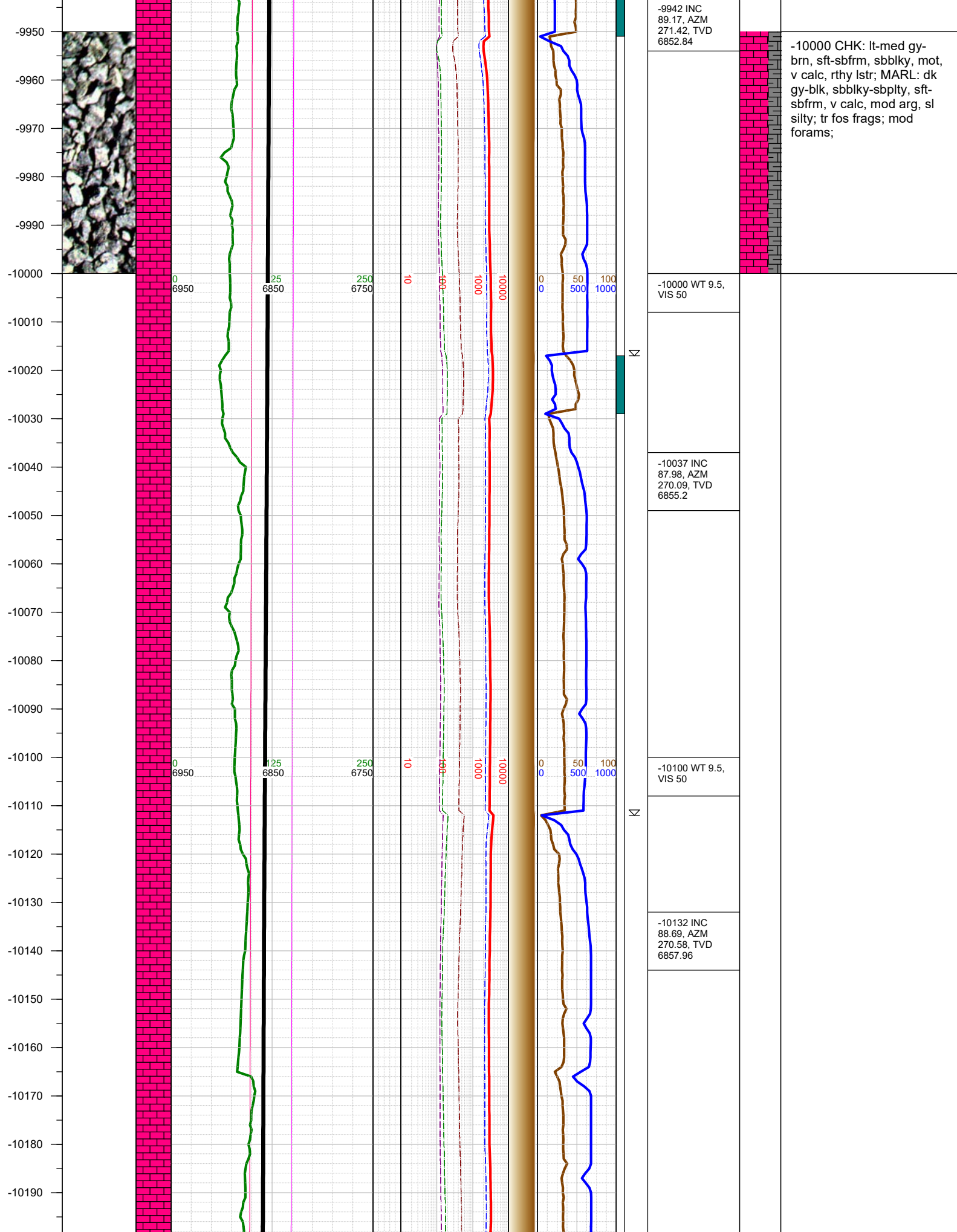


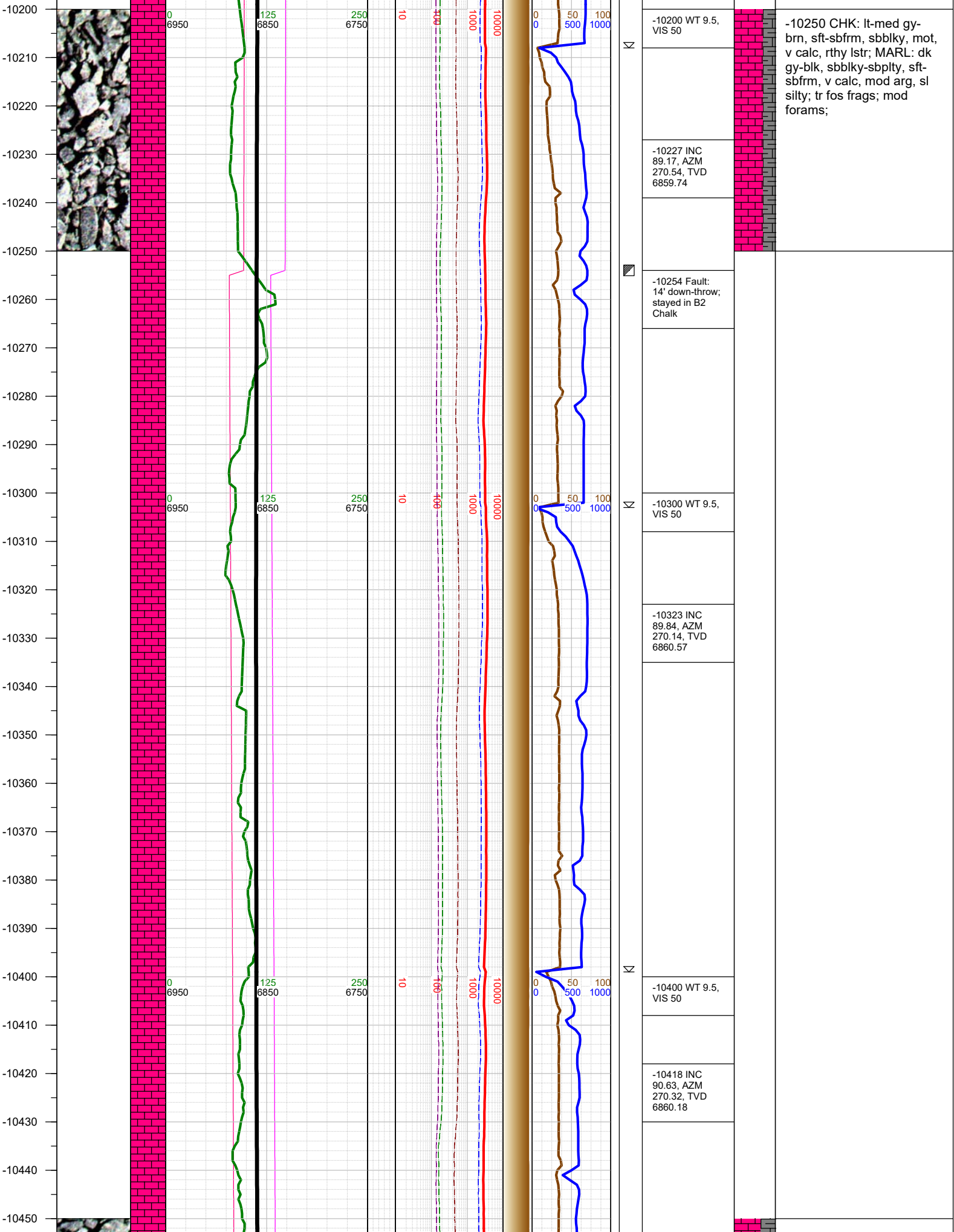


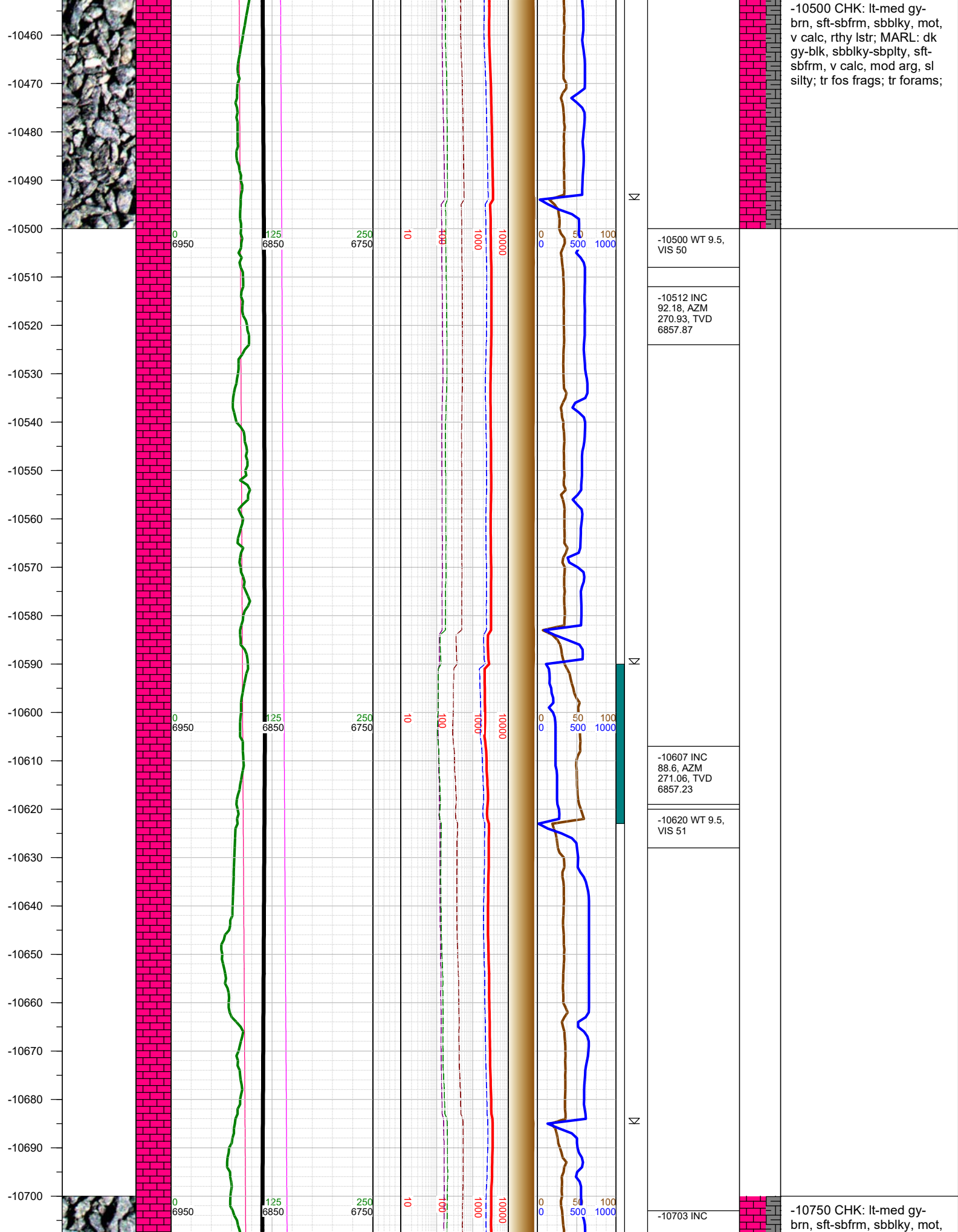


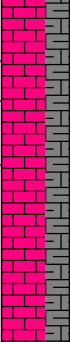
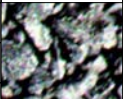
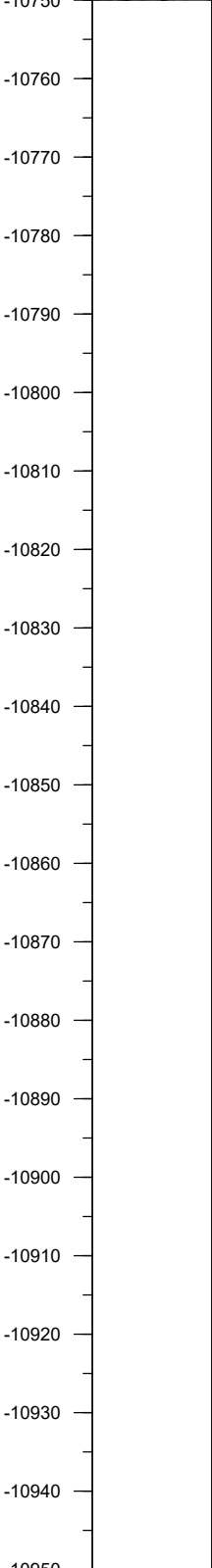
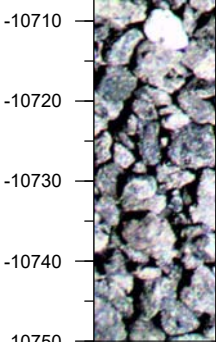








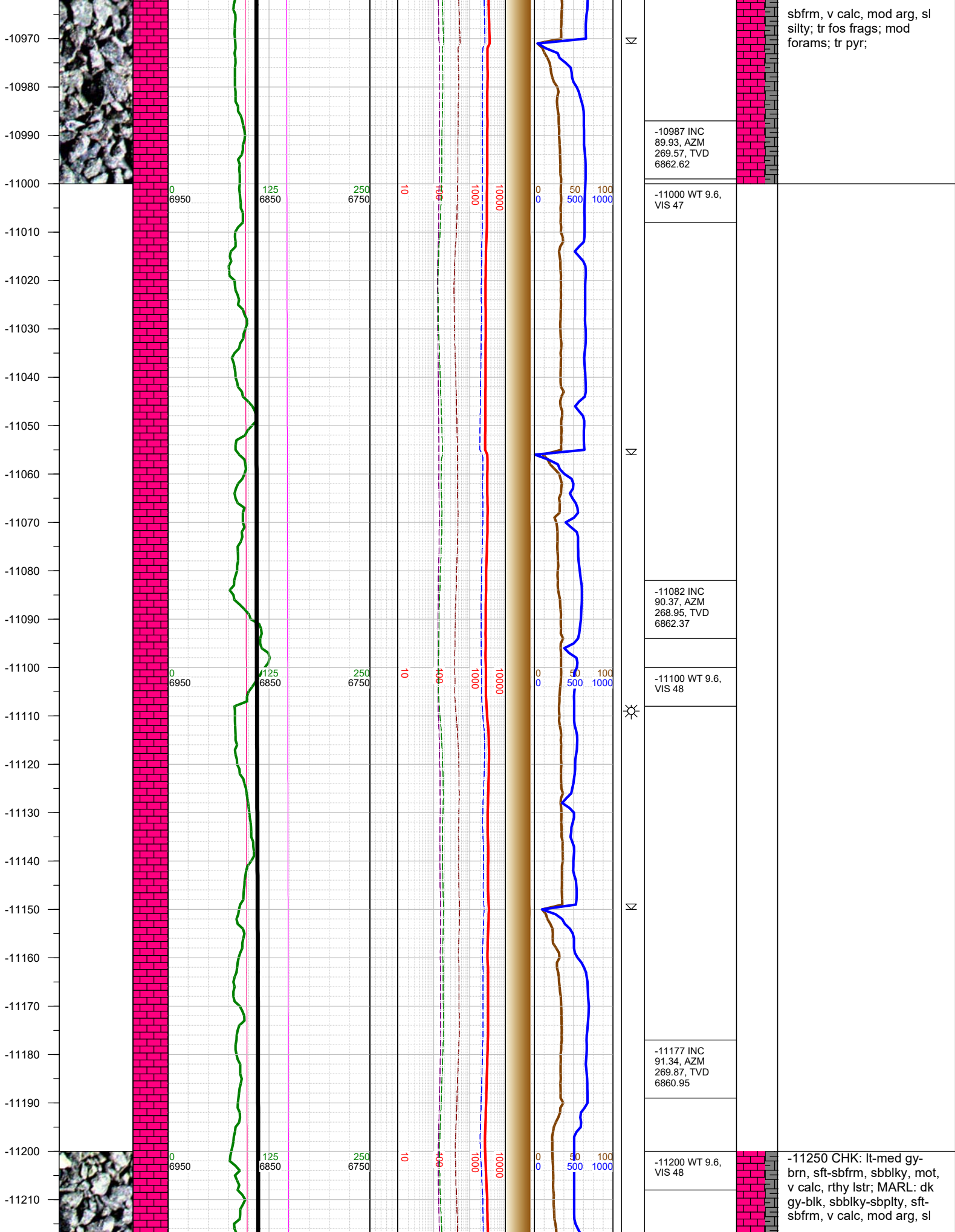


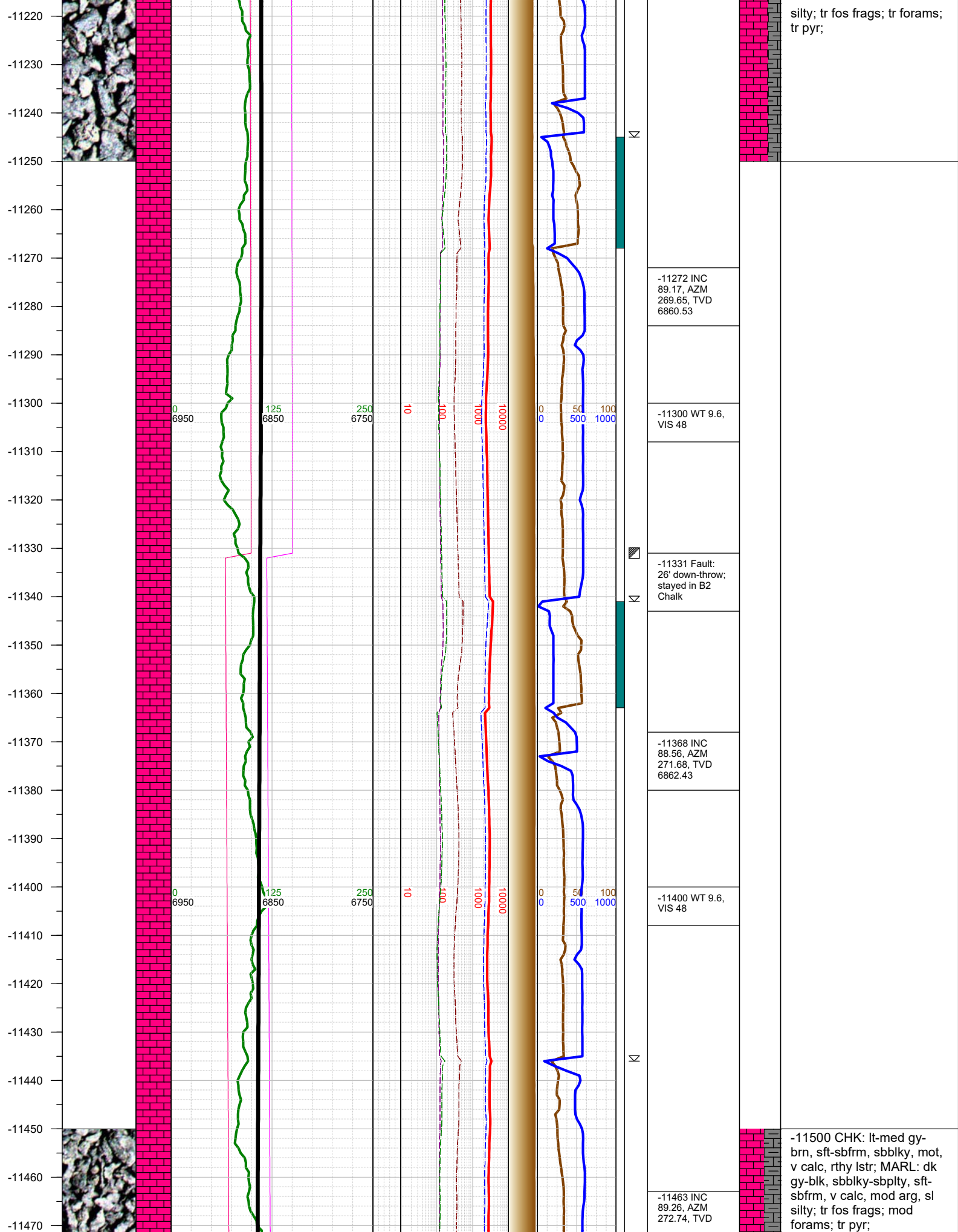


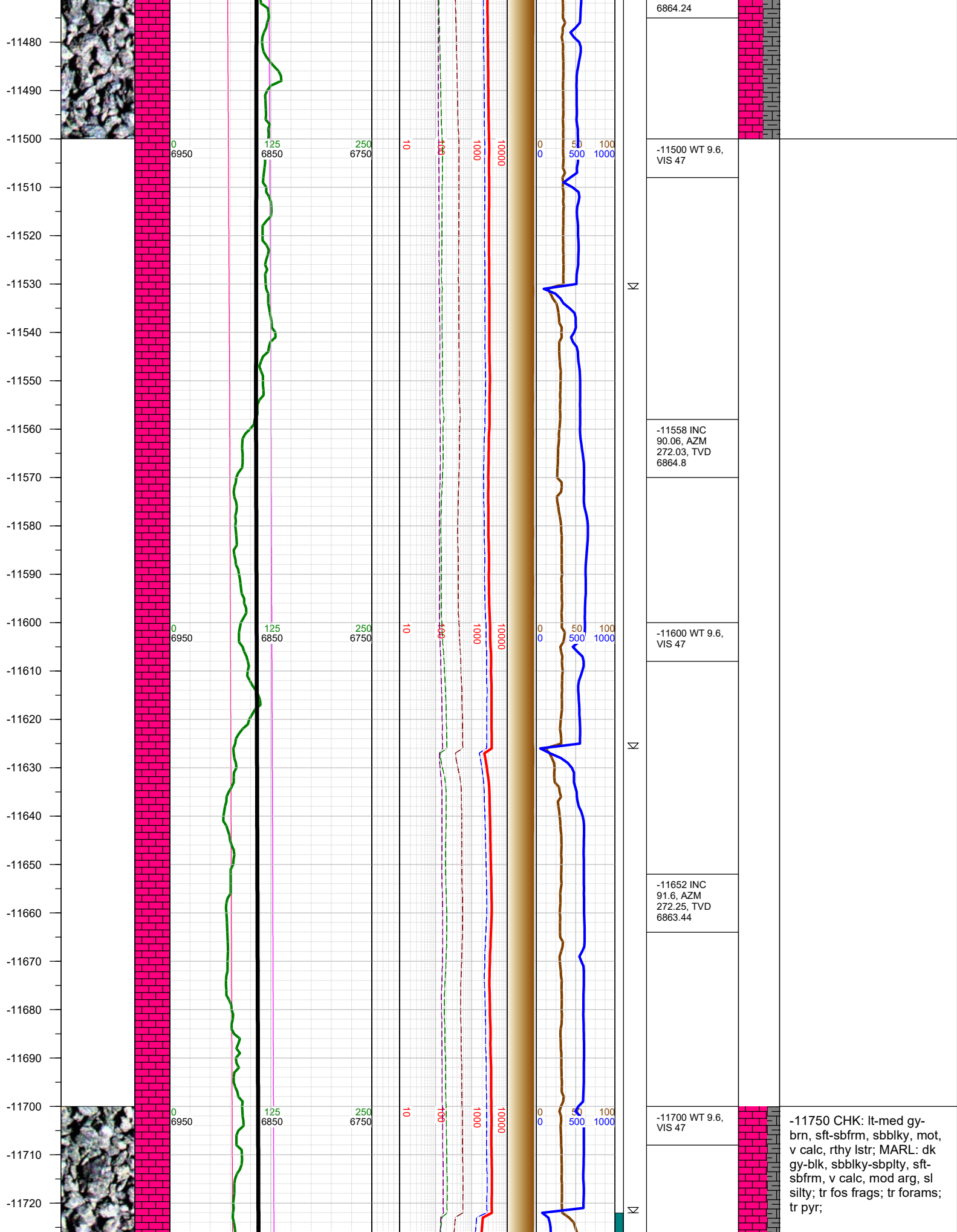
88.56, AZM 270.93, TVD 6859.6
-10720 WT 9.6, VIS 49
-10798 INC 89.4, AZM 269.92, TVD 6861.3
-10810 WT 9.6, VIS 49
-10892 INC 89.53, AZM 270.49, TVD 6862.17
-10910 WT 9.6, VIS 47

v calc, rthy lstr; MARL: dk
gy-blk, sbblky-sbply, sft-
sbfrm, v calc, mod arg, sl
silty; tr fos frags; mod
forams; tr pyr;

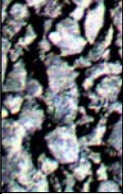
-11000 CHK: lt-med gy-
brn, sft-sbfrm, sbblky, mot,
v calc, rthy lstr; MARL: dk
gy-blk, sbblky-sbply, sft-







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-11748 INC
90.06, AZM
272.61, TVD
6862.05

-11800 WT 9.6,
VIS 46

-11842 INC
90.81, AZM
271.33, TVD
6861.34

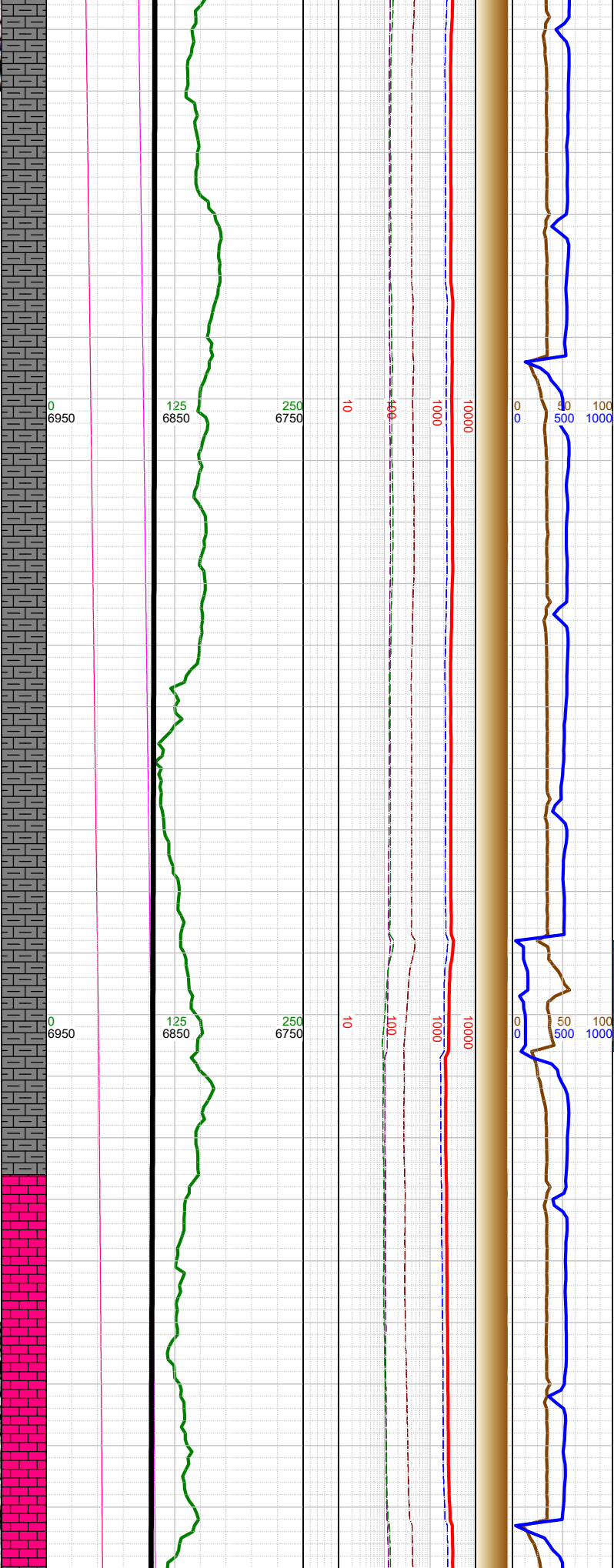
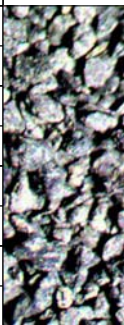
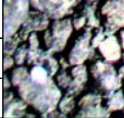
-11900 WT 9.6,
VIS 46

-11937 INC 89,
AZM 270.76,
TVD 6861.5

-11940 Fault:
46' down-throw;
went from B2
Chalk to A Marl

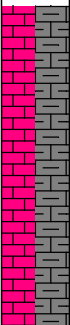
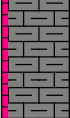
-12000 MARL: dk gy-blk,
sbbly-sbply, sft-sbfrm, v
calc, mod arg, sl silty;
CHK: lt-med gy, sft-sbfrm,
sbbly, mot, v calc, rthy
lstr; tr bent; tr pyr; tr fos
frag; tr pyr;

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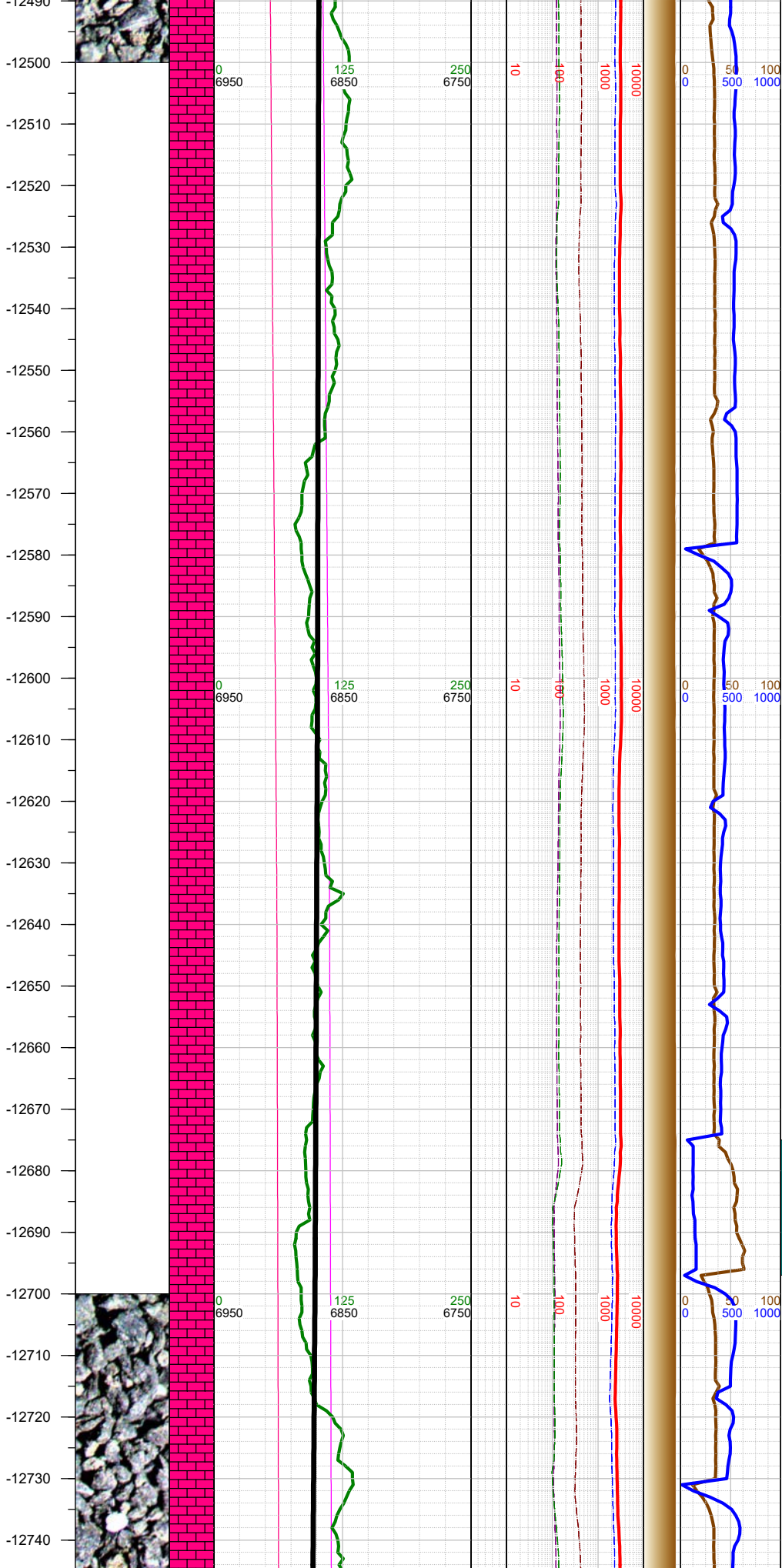


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-12300 WT 9.5, VIS 45
-12317 INC 89.7, AZM 271.06, TVD 6866.09
-12366 0000 hrs on 5/13/2019
-12400 WT 9.6, VIS 46
-12412 INC 88.95, AZM 271.99, TVD 6867.21



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



-12507 INC
89.17, AZM
271.2, TVD
6868.77

-12520 WT 9.6,
VIS 46

-12602 INC
89.88, AZM
272.34, TVD
6869.55

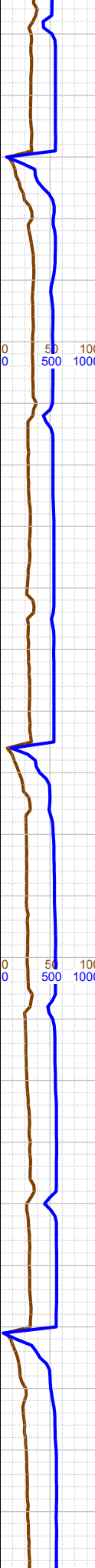
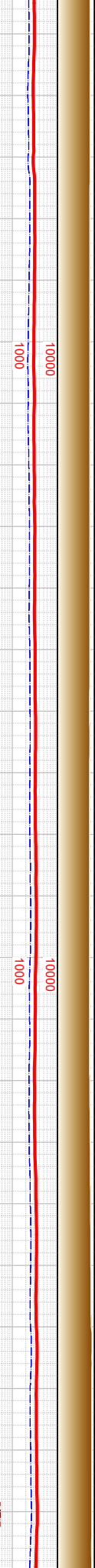
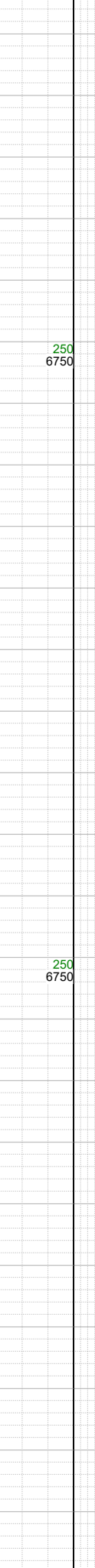
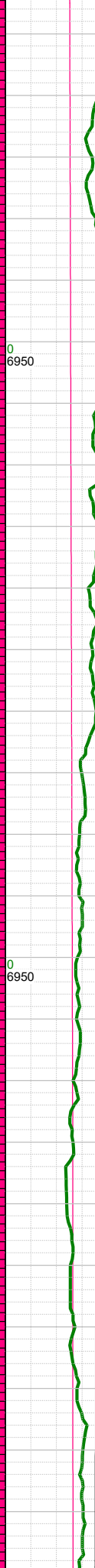
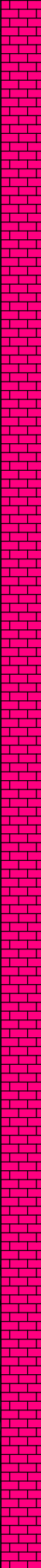
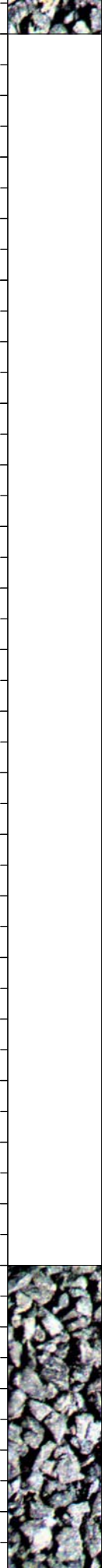
-12620 WT 9.6,
VIS 46

-12697 INC
87.89, AZM
271.28, TVD
6871.4

-12710 WT 9.6,
VIS 46

-12750 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr fos frags; tr forams; tr pyr;

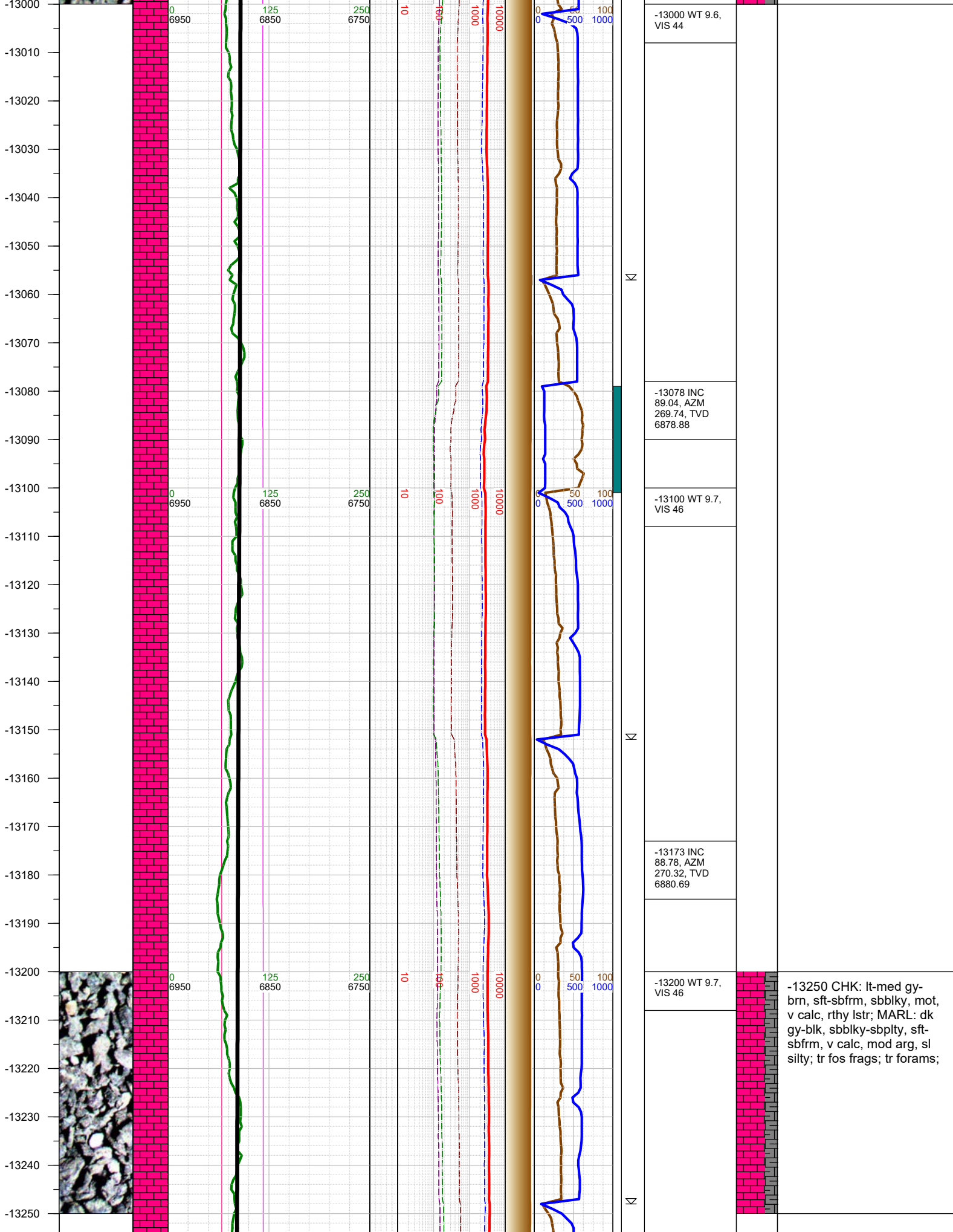
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-12792 INC 88.07, AZM 270.89, TVD 6874.75	-12810 WT 9.6, VIS 44
-12887 INC 88.86, AZM 270.14, TVD 6877.3	-12900 WT 9.6, VIS 44

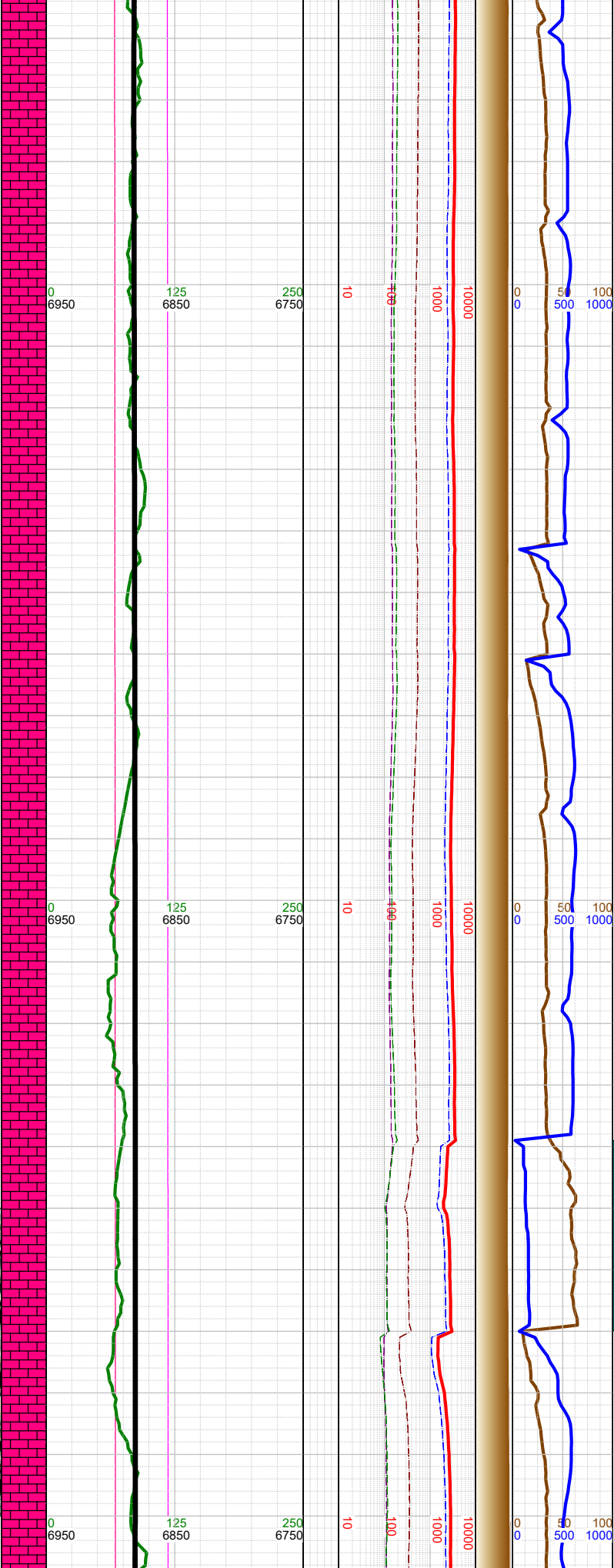
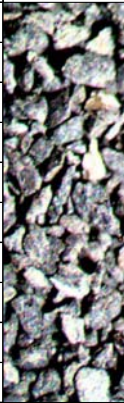


-13000 CHK: lt-med gy-brn, sft-sbfrm, sbbiky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbiky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr fos frags; tr forams; tr pyr;



-13250 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, v calc, mod arg, sl silty; tr fos frags; tr forams;

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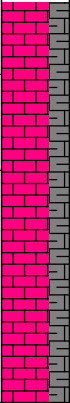


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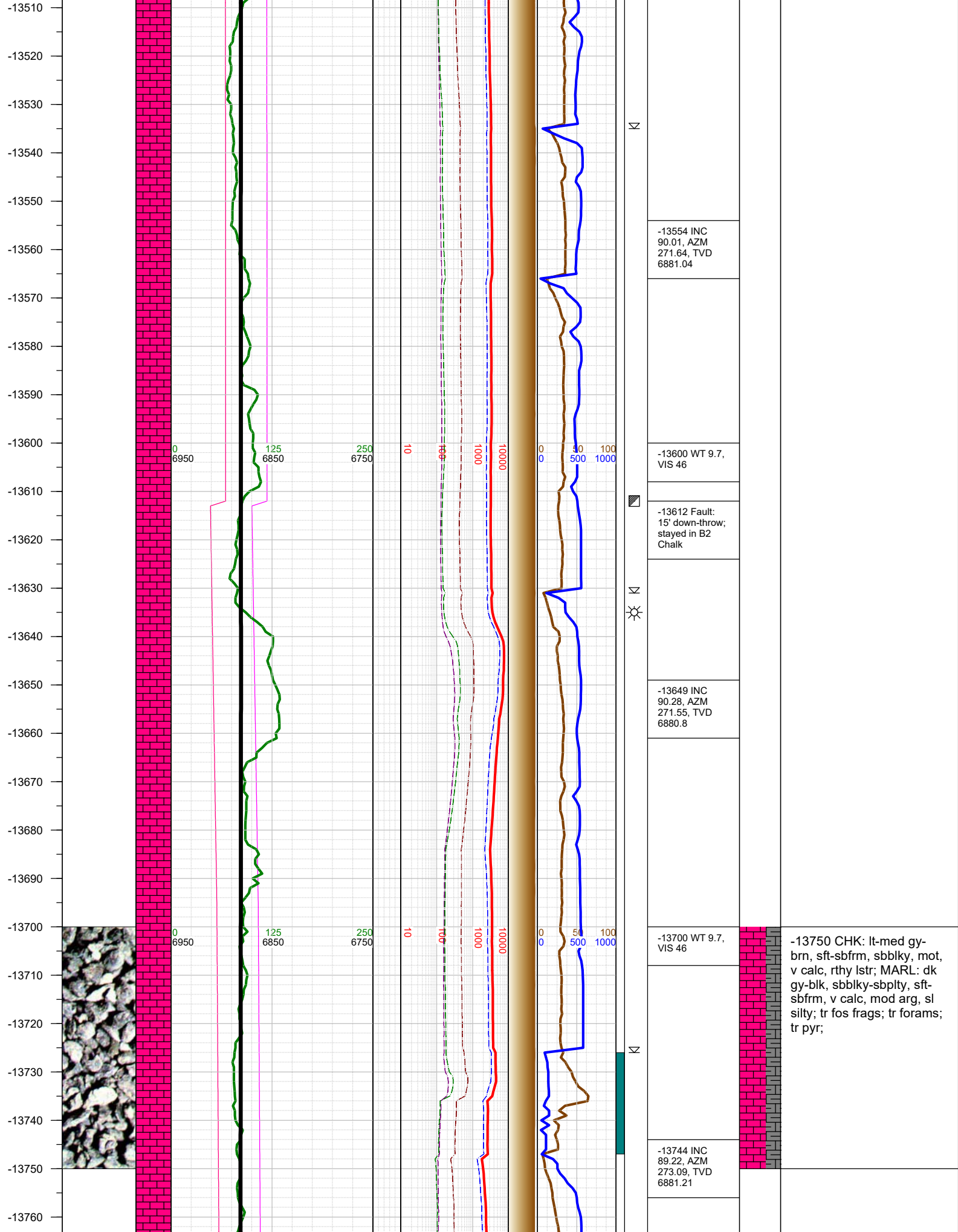
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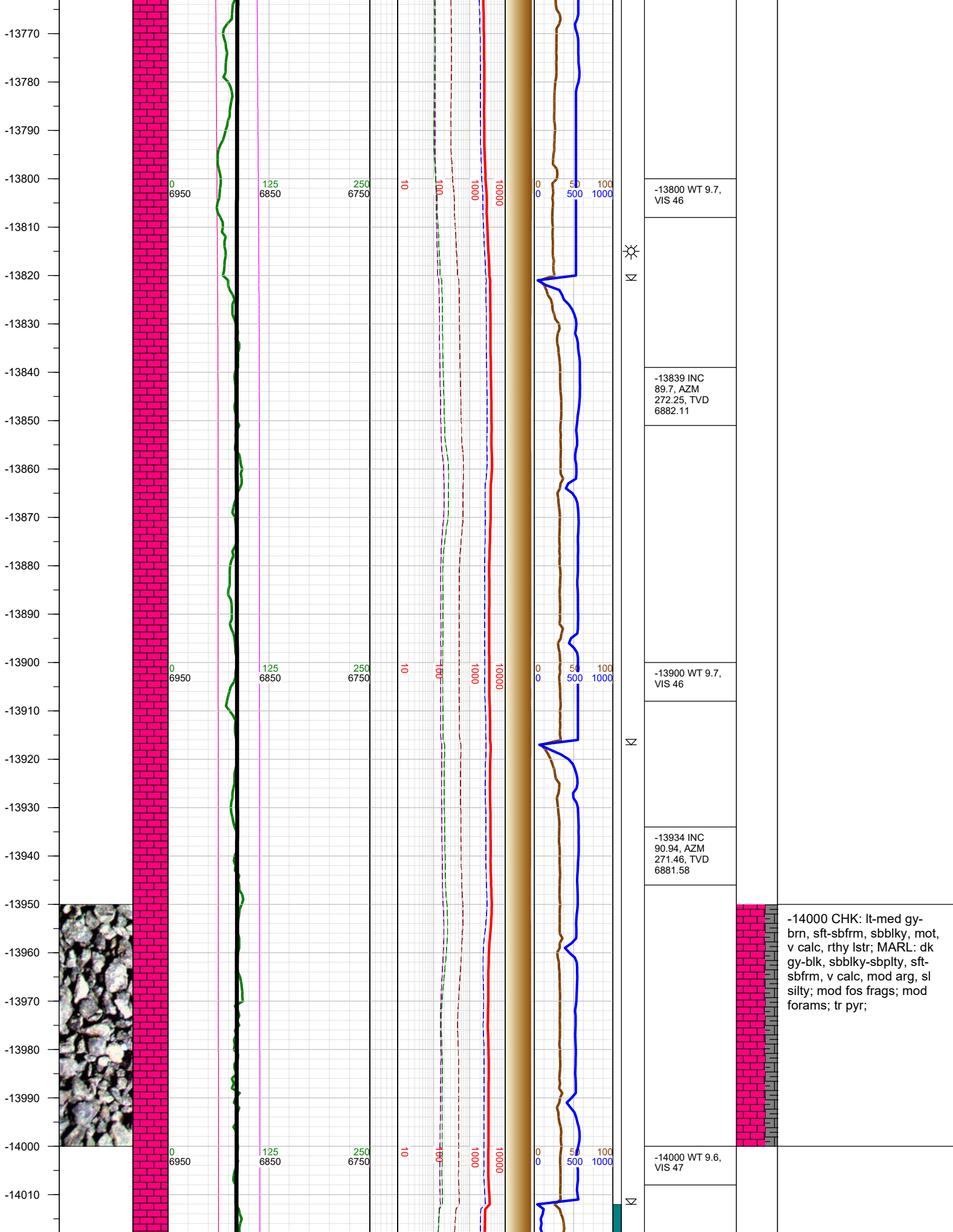
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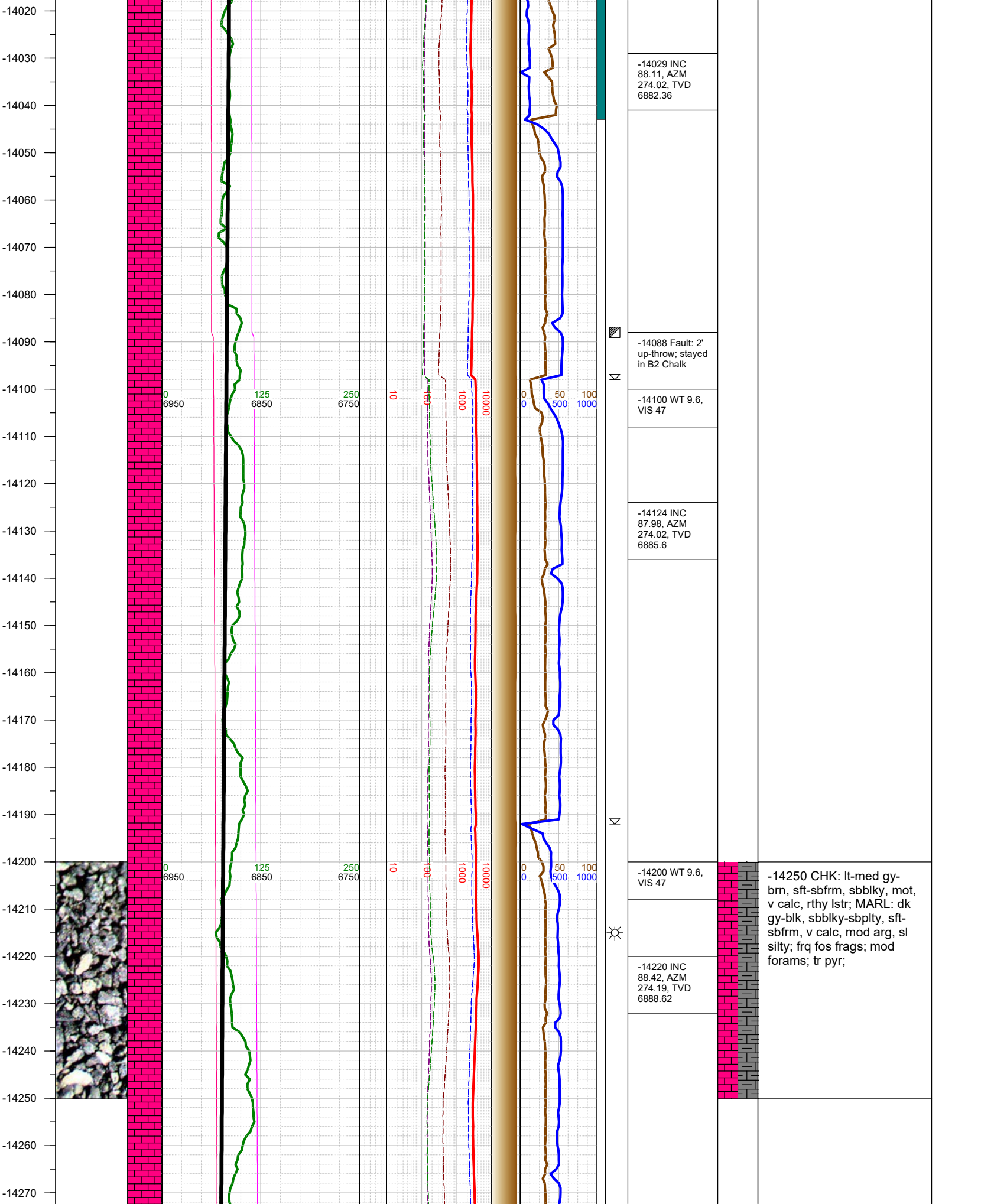
-13268 INC 89.79, AZM 269.83, TVD 6881.87
-13300 WT 9.7, VIS 46
-13364 INC 91.07, AZM 269.17, TVD 6881.15
-13400 WT 9.7, VIS 46
-13459 INC 89.53, AZM 270.4, TVD 6880.66
-13500 WT 9.7, VIS 46

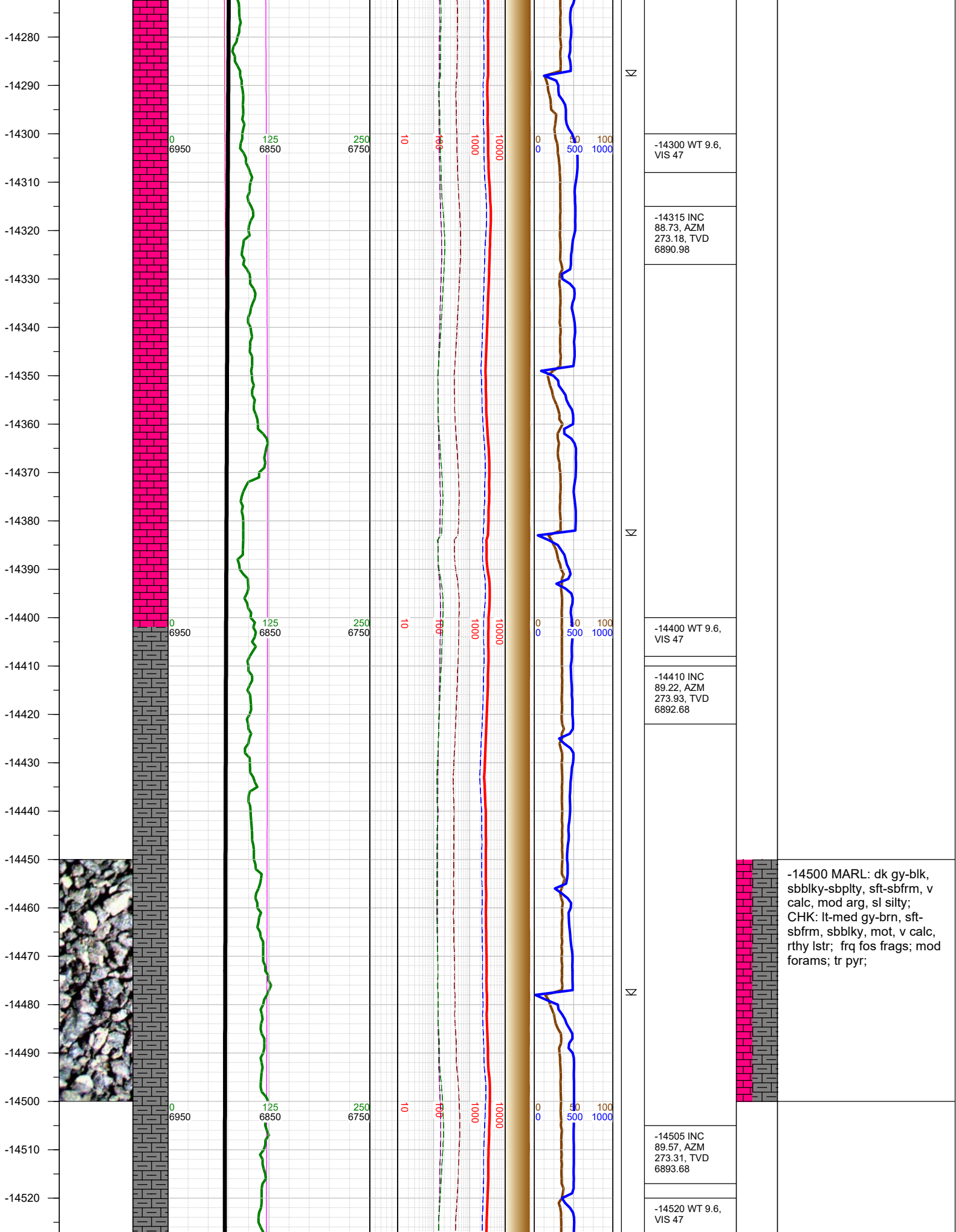


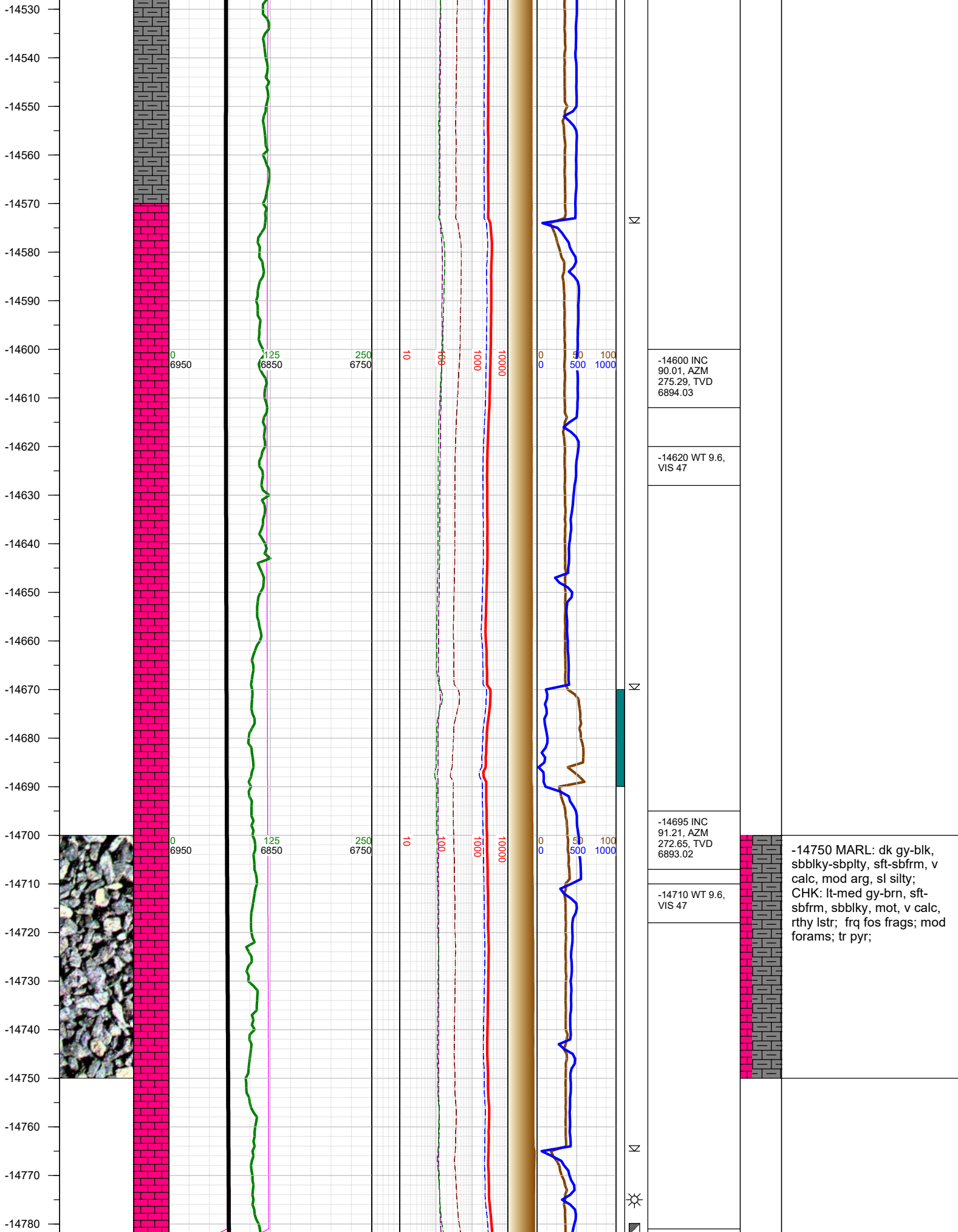
-13500 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr fos frags; tr forams; tr pyr;

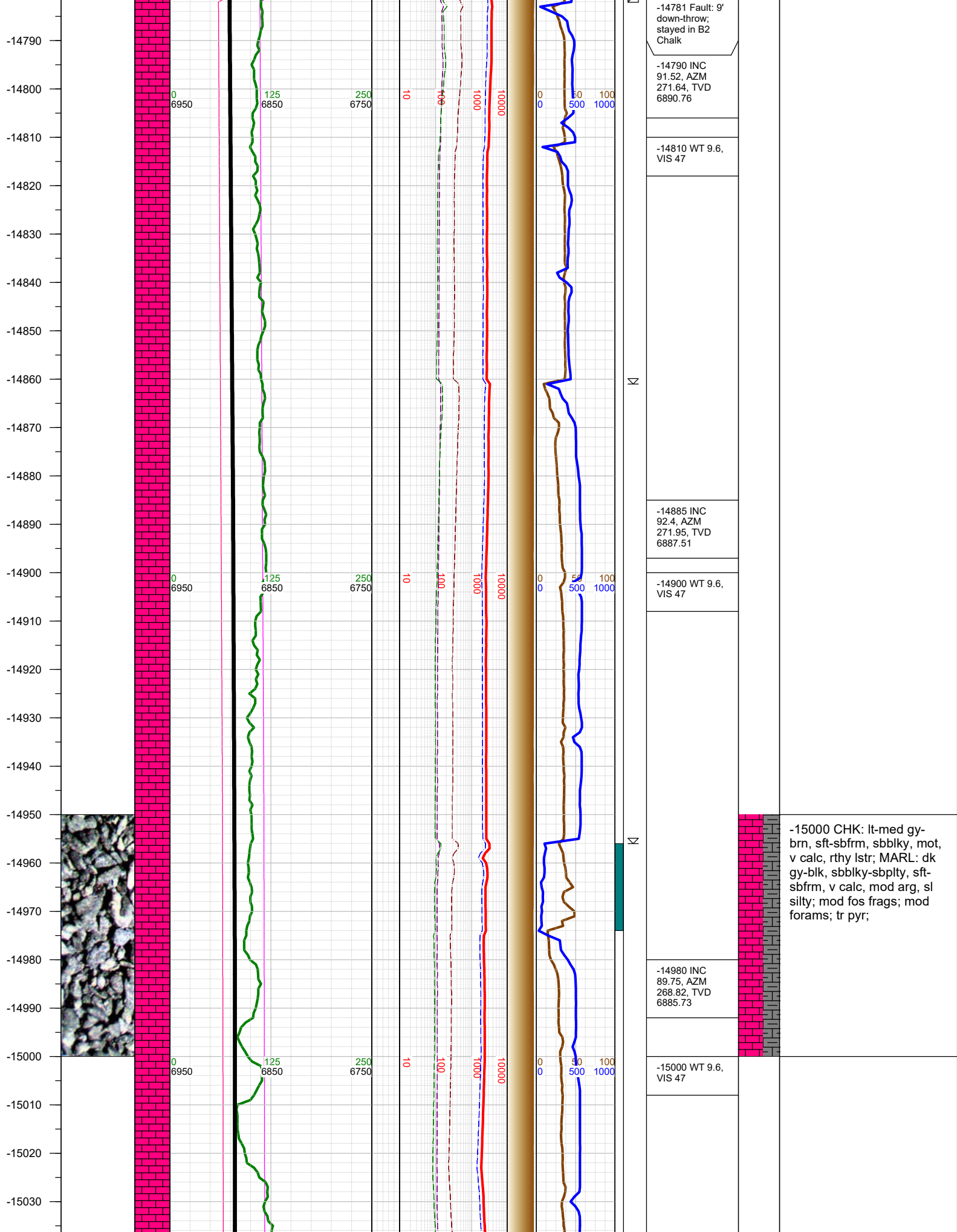


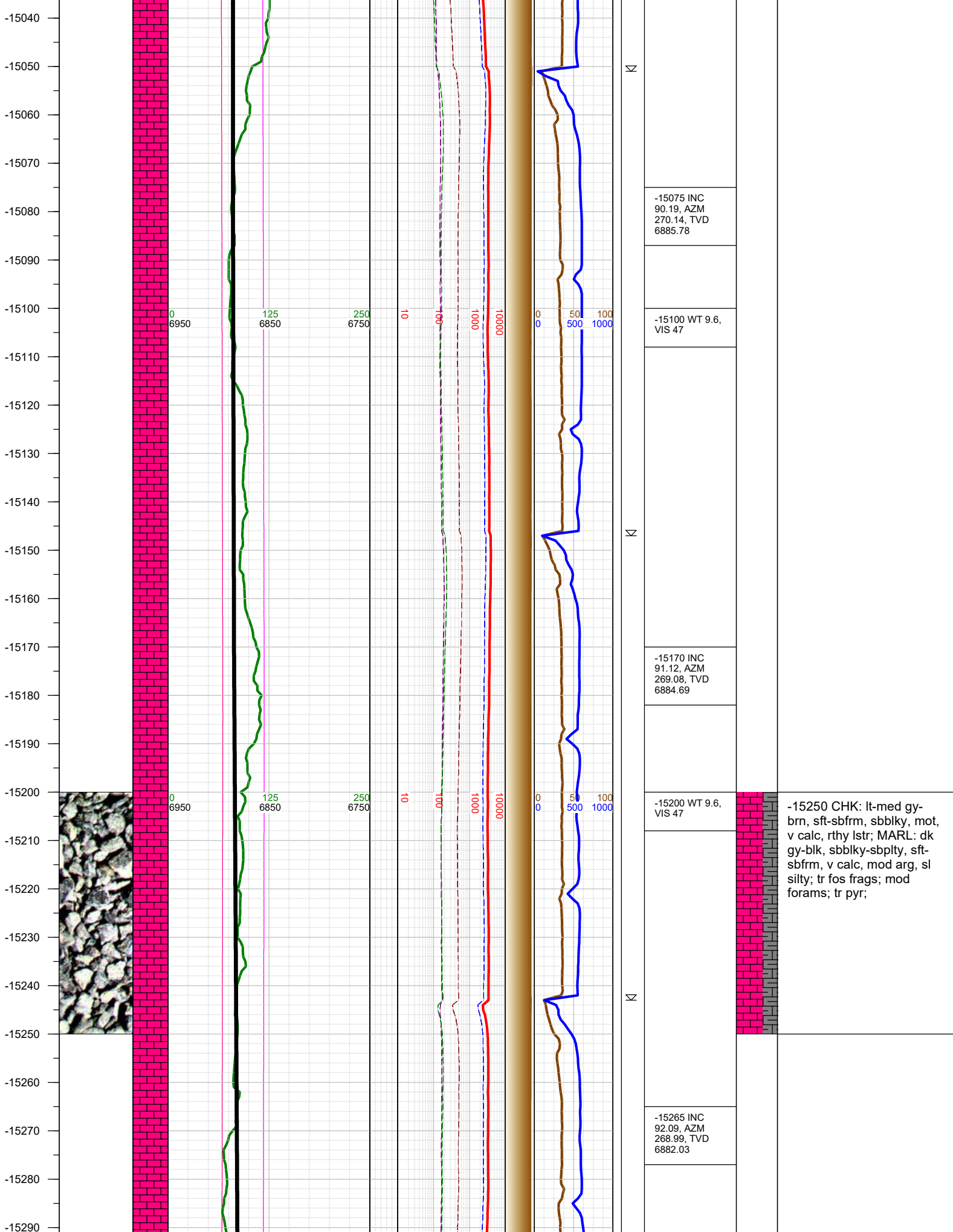


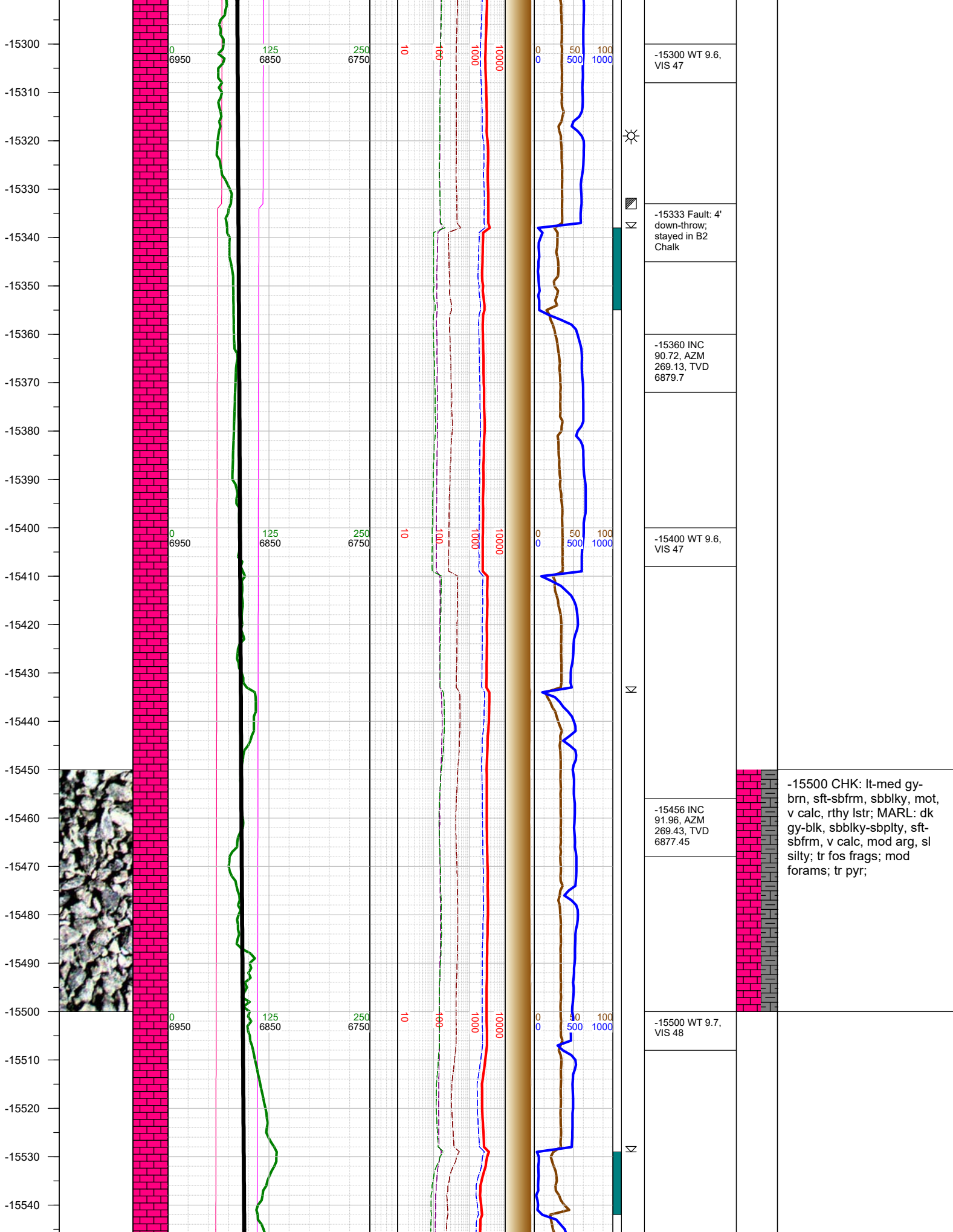




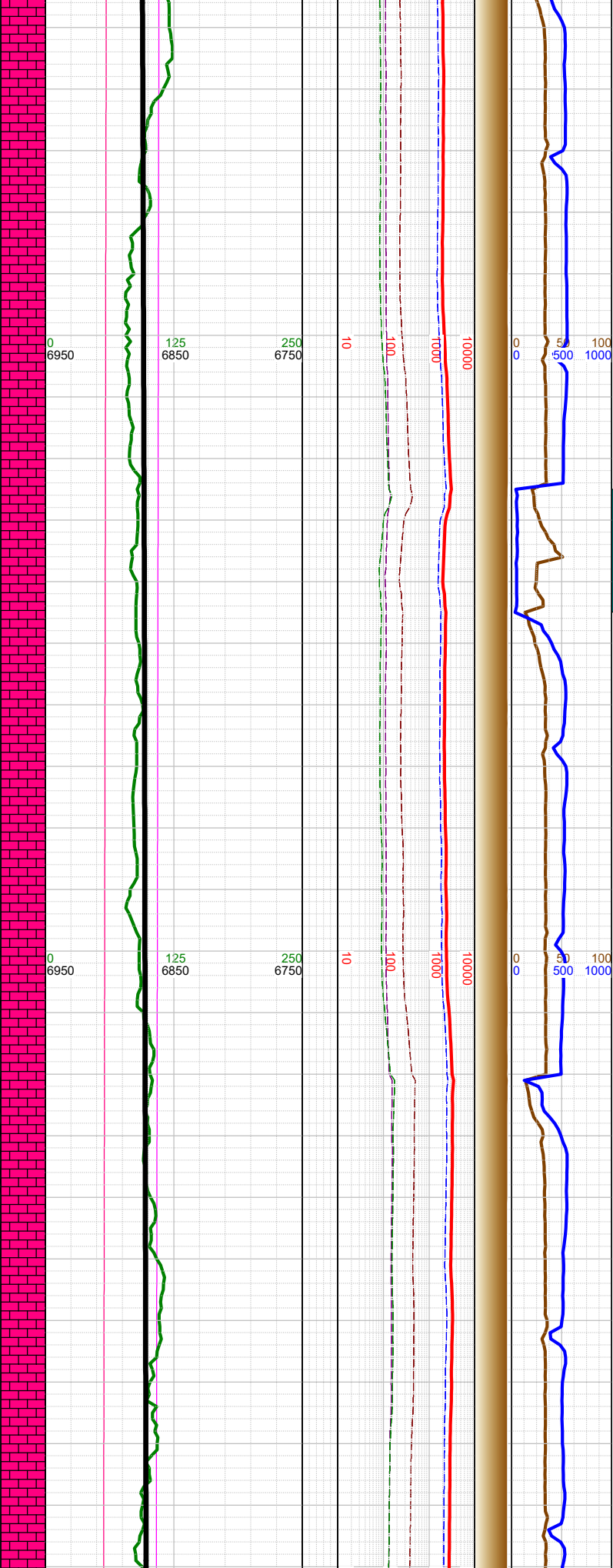








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-15551 INC
91.74, AZM
268.73, TVD
6874.39

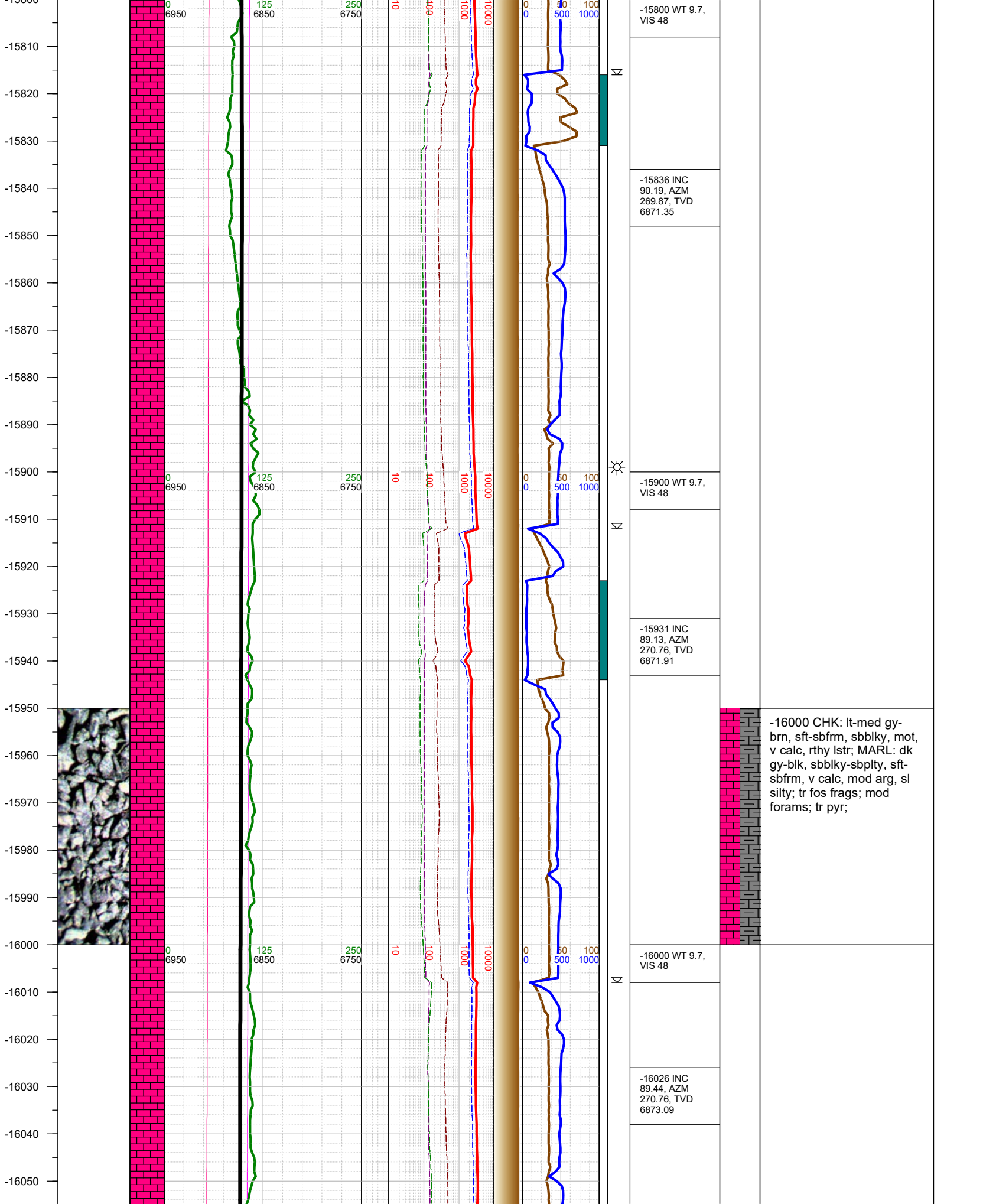
-15600 WT 9.7,
VIS 48

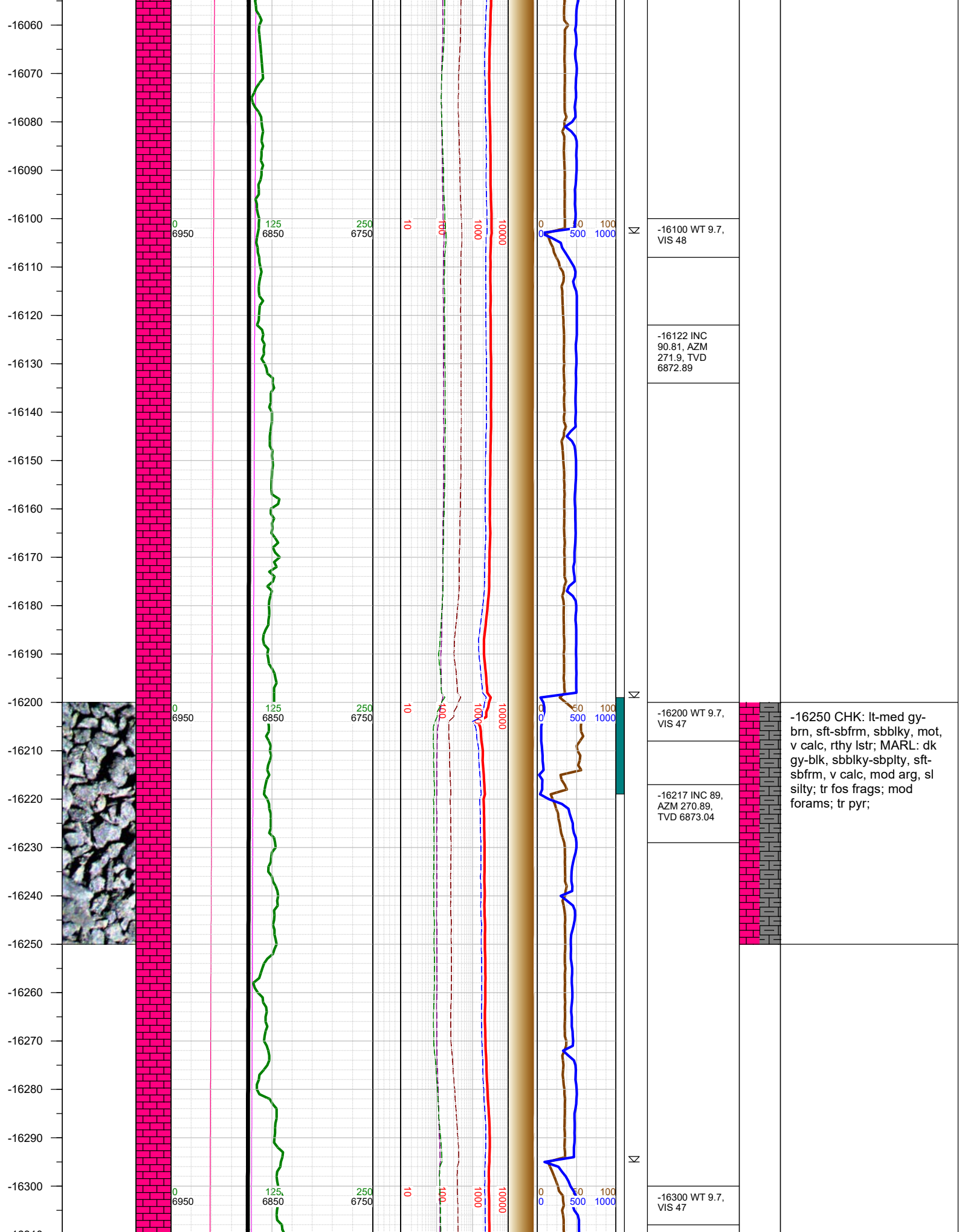
-15646 INC
89.93, AZM
268.86, TVD
6873

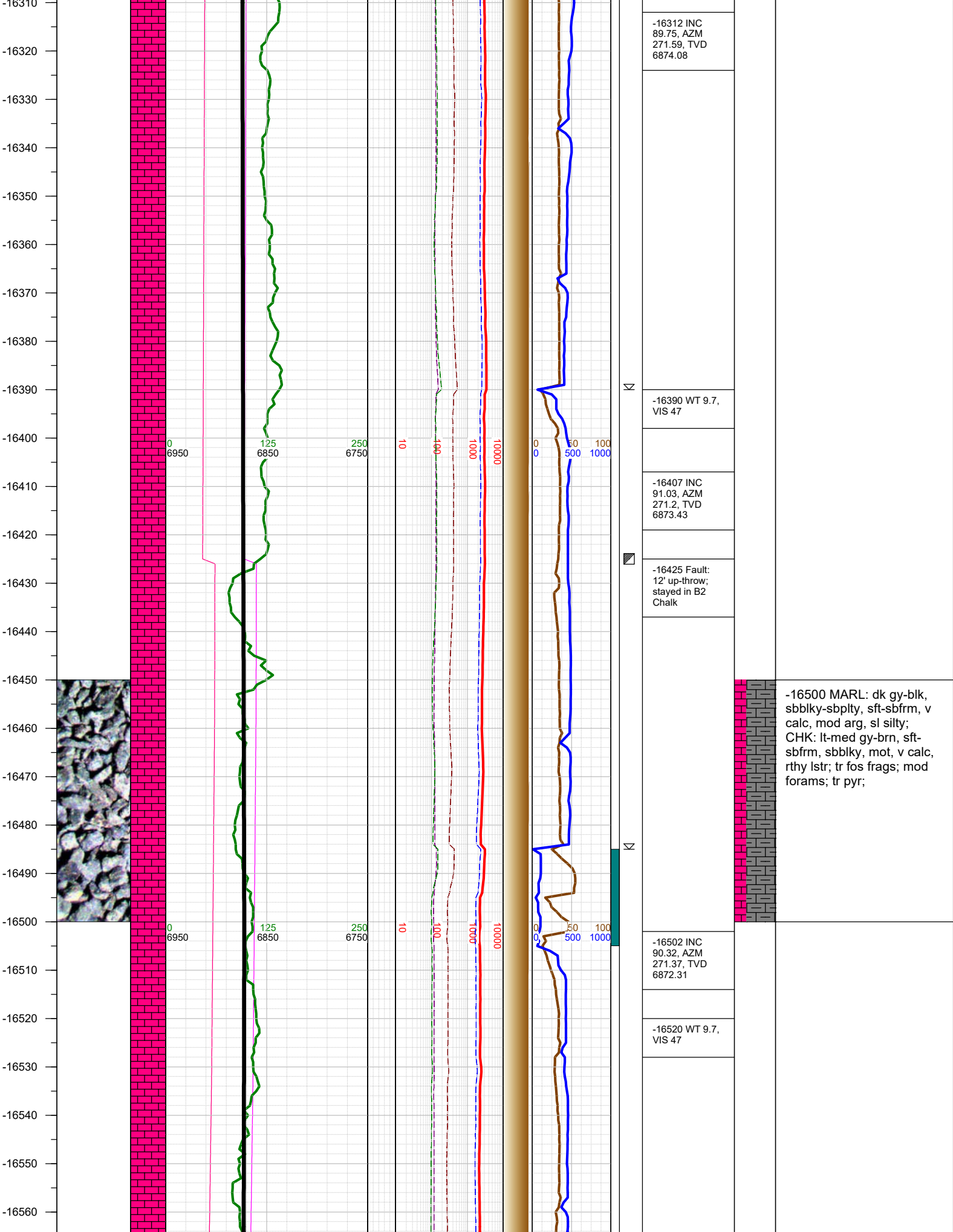
-15700 WT 9.7,
VIS 48

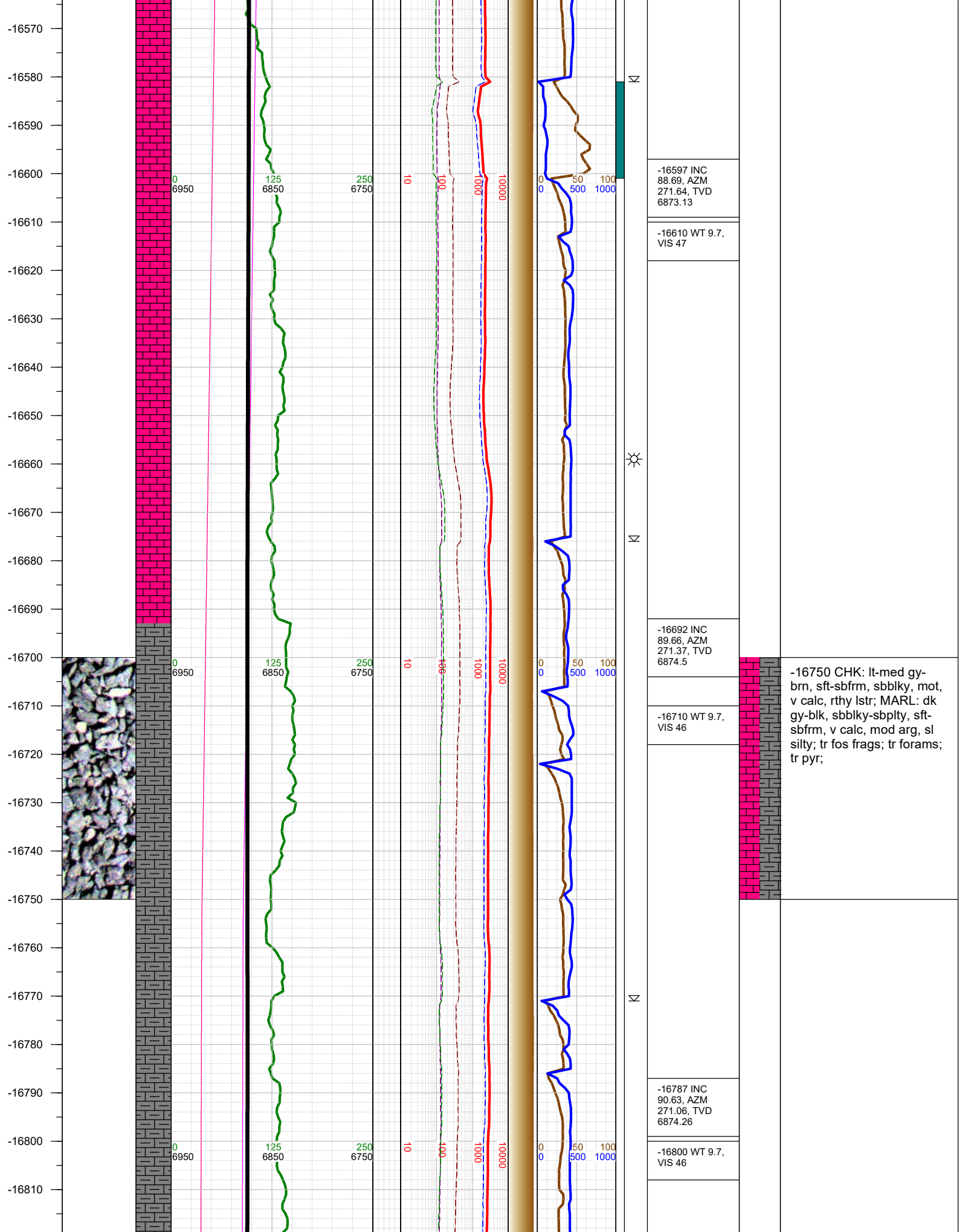
-15741 INC
90.94, AZM
269.43, TVD
6872.28

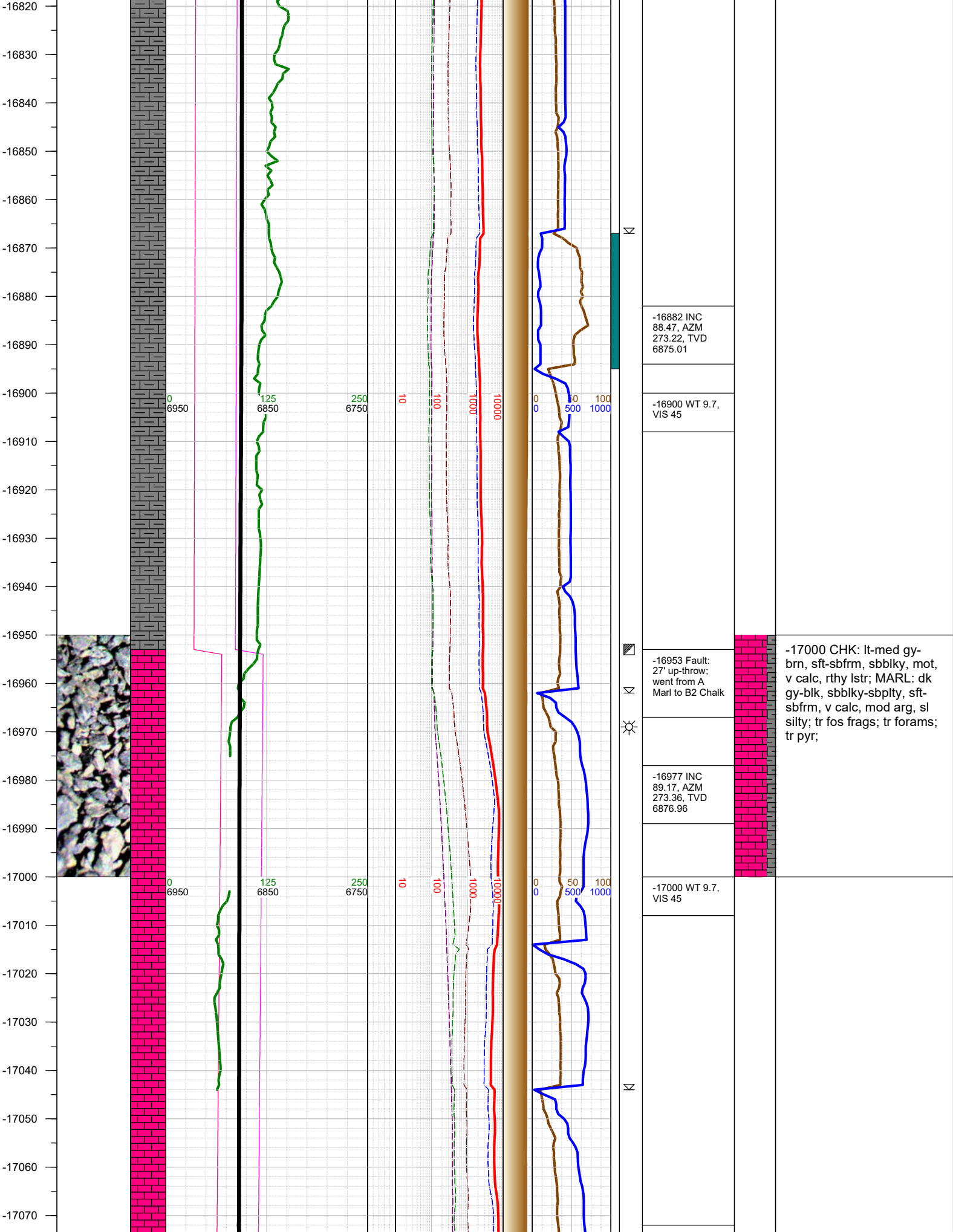
-15750 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr fos frags; mod forams; tr pyr;

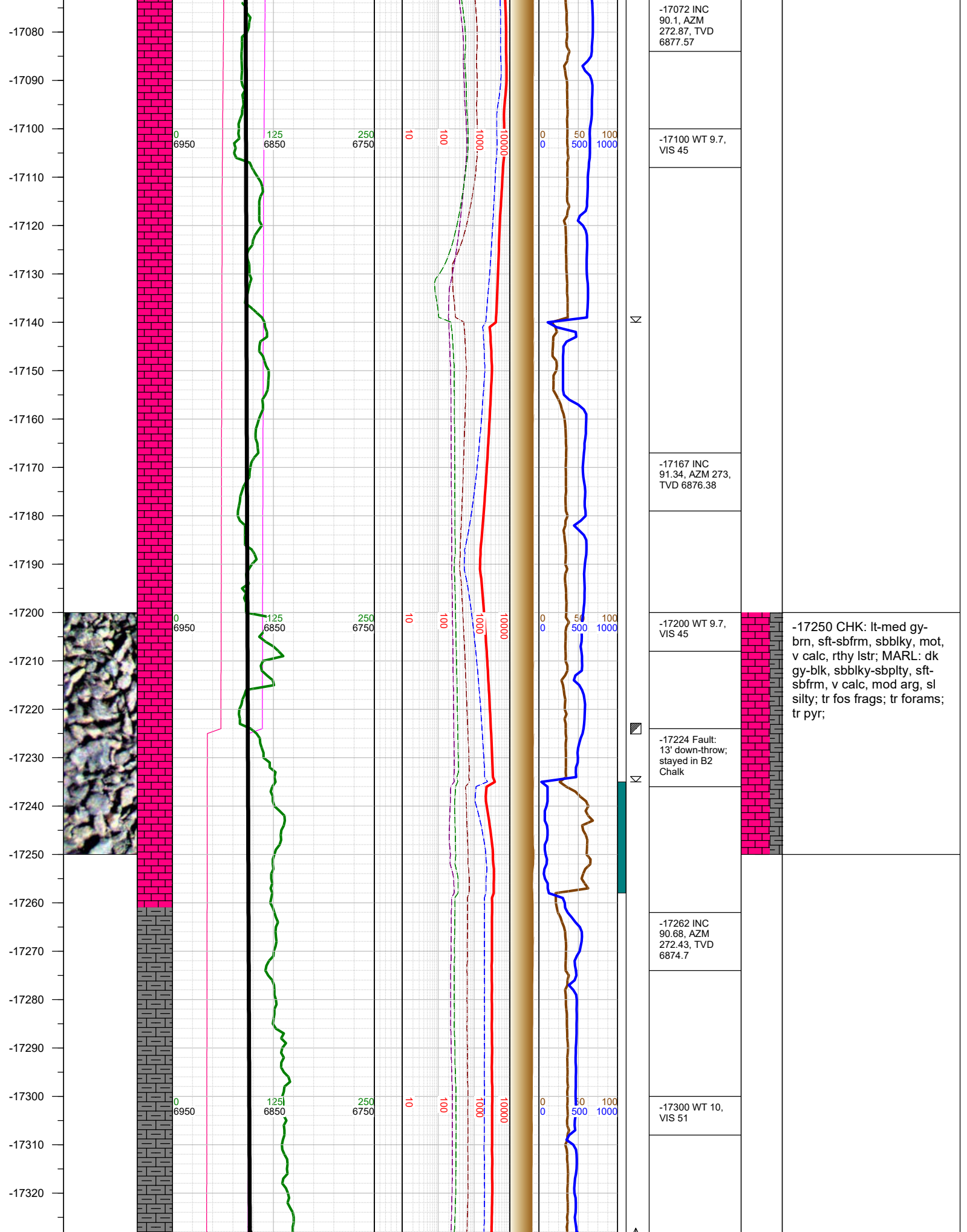


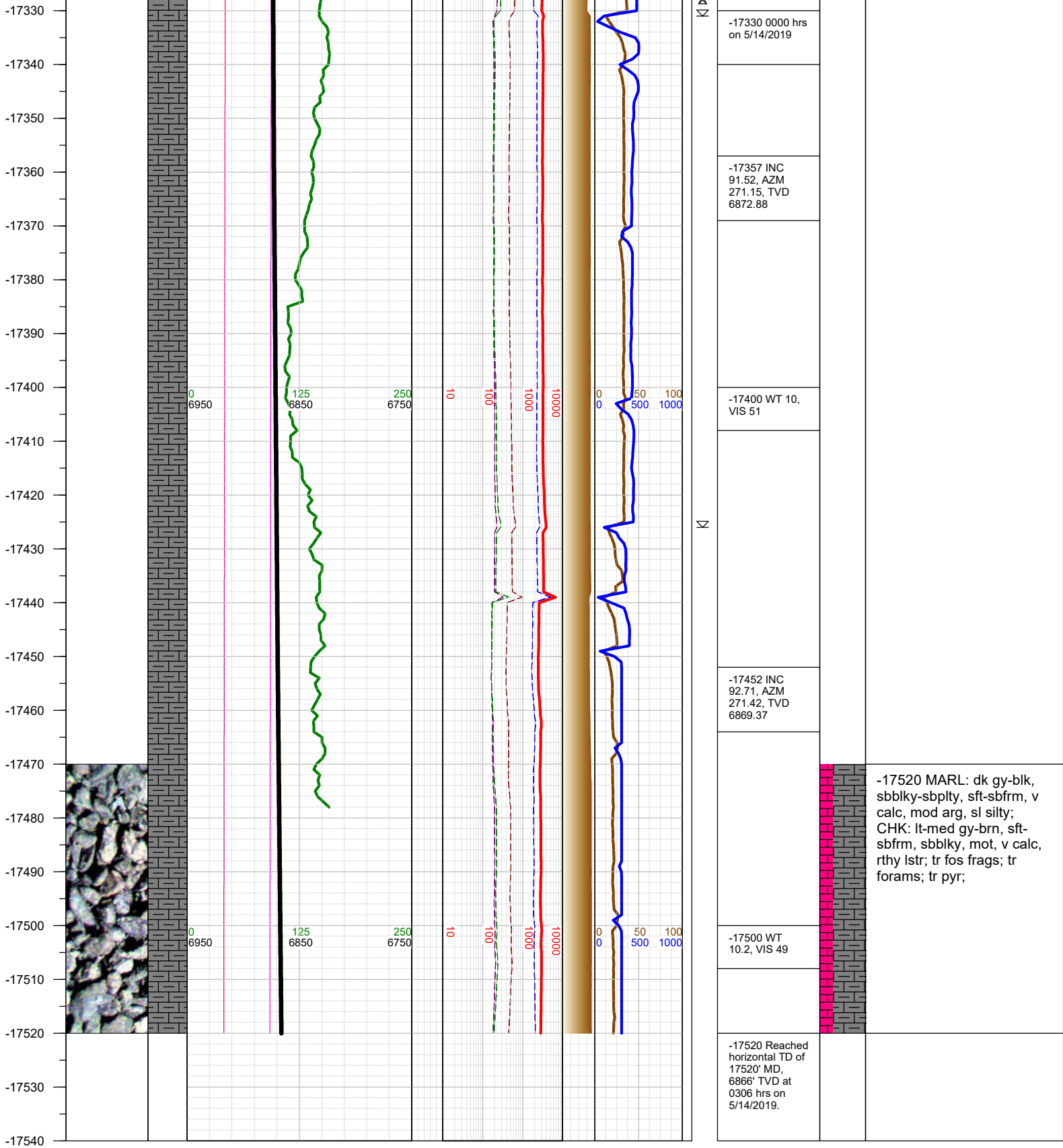












TOTAL DEPTH = 17520'

Thank you for using Earth Science Agency