

OPERATOR: **Extraction Oil & Gas**

WELL NAME: **Stromberger 8**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Patterson 346

API #: 05-123-42557

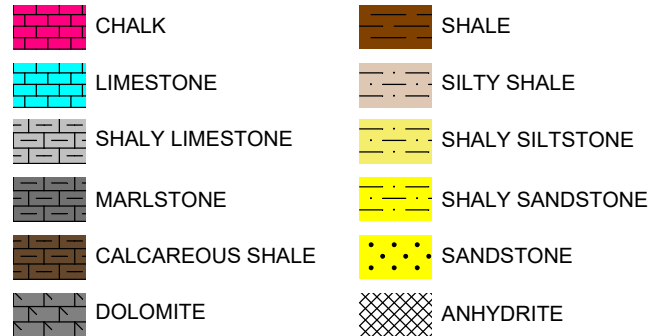
LAT/LONG: 40.47406, -104.870862
SURFACE HOLE: SENE S22-T6N-R67W, 2058' FNL, 150' FEL
BOTTOM HOLE: S24-T6N-R67W, 2420' FNL, 460' FEL



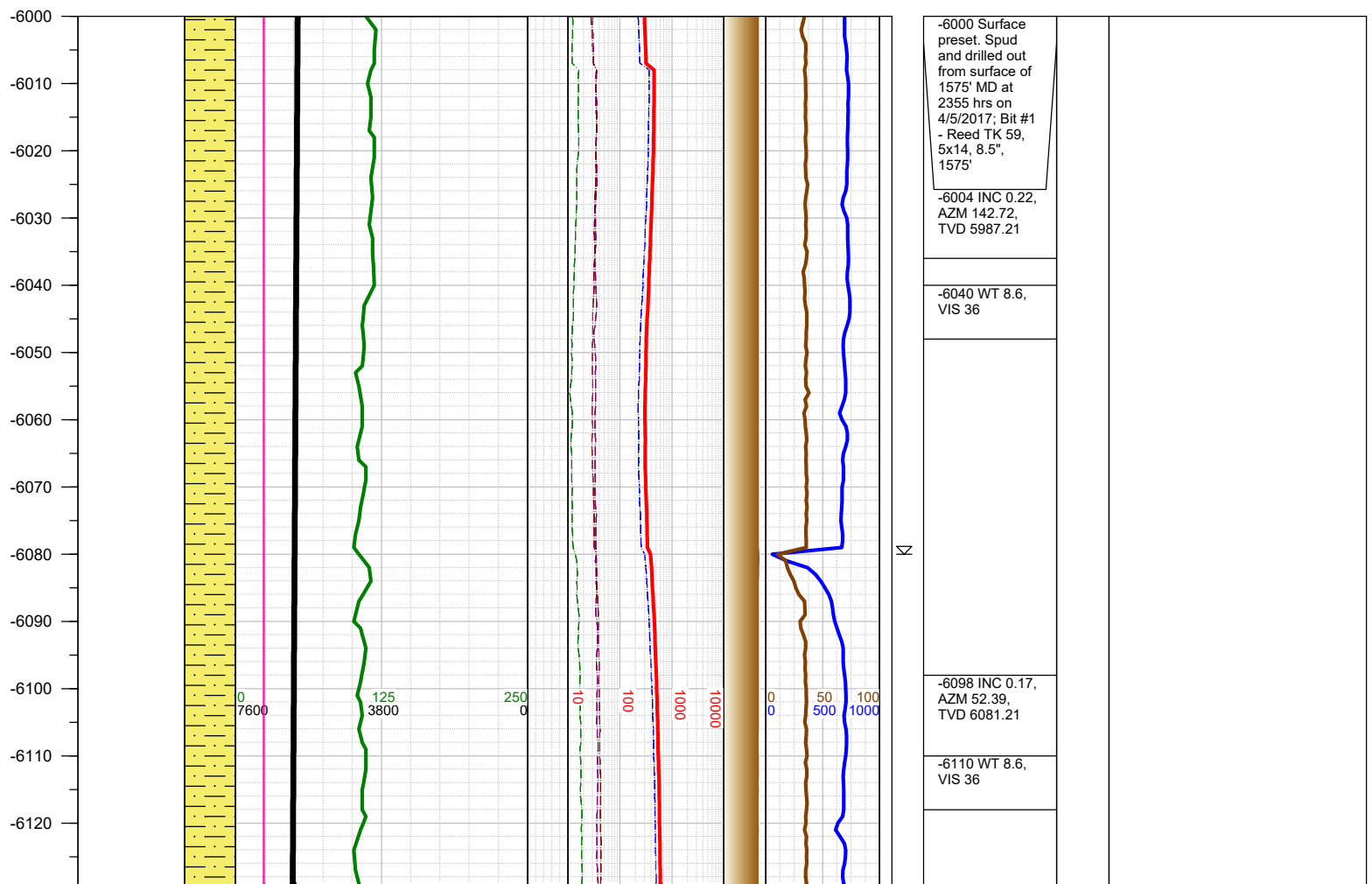
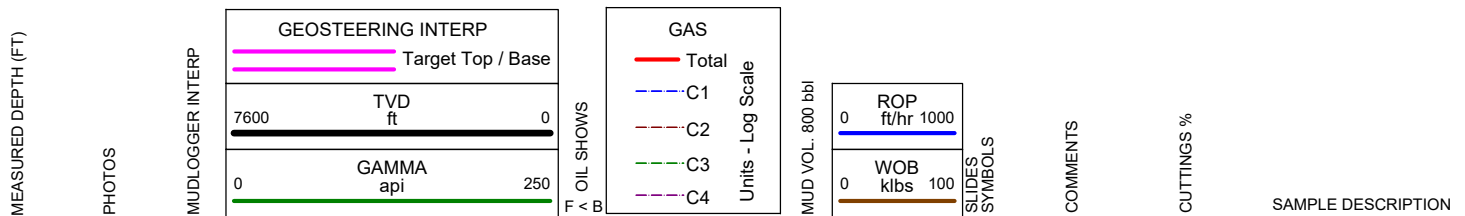
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 4778'
KELLY BUSHING: 4803'
DRILLING FLUID: OBM
TVD VS. MD: 6868' / 16782'
SPUD DATE: April 5, 2017
TD DATE: April 9, 2017

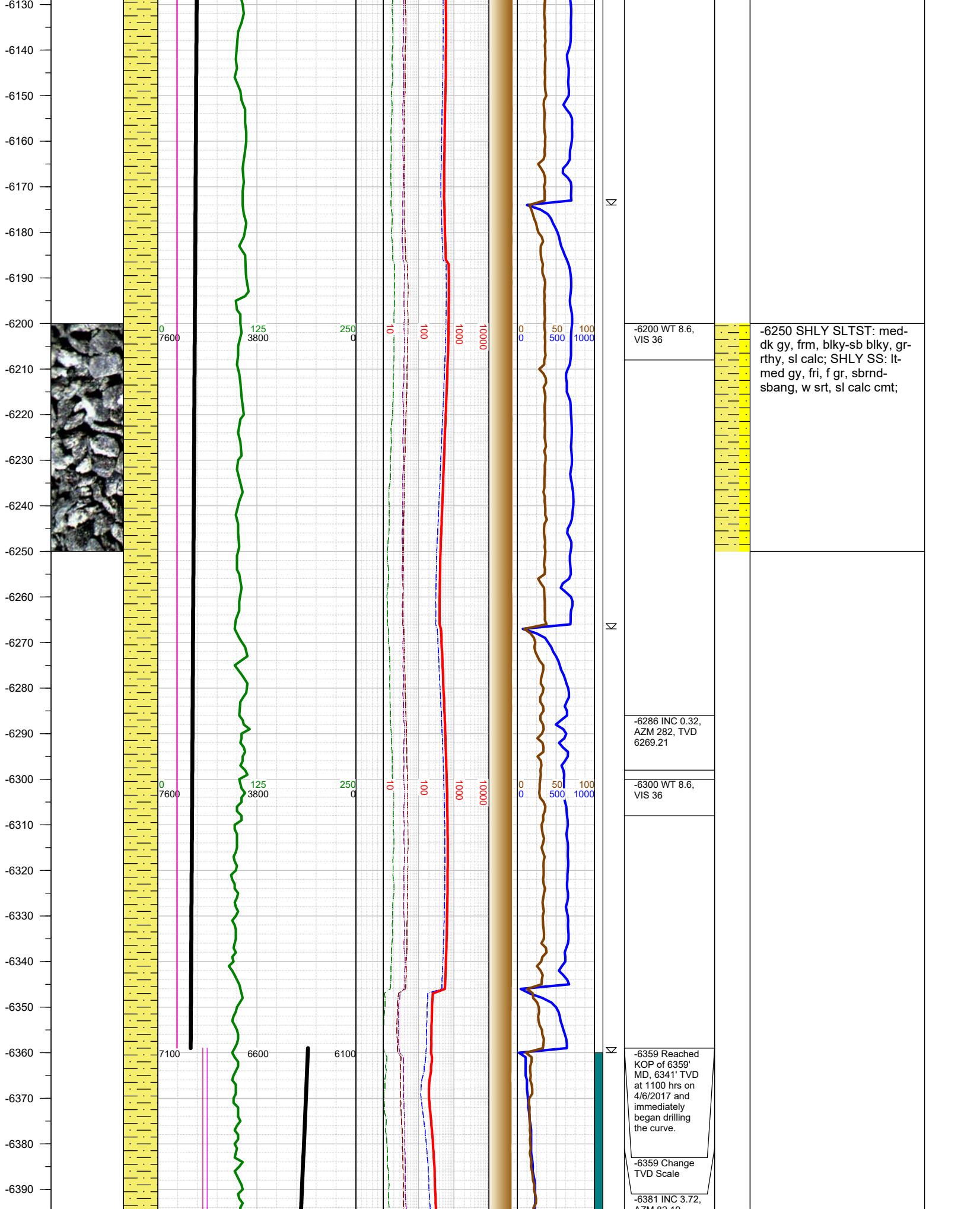
DEPTHS LOGGED: 6000' - 16782'
DATES LOGGED: April 6, 2017 - April 9, 2017
GEOLOGISTS: Ross Apodaca, Brian Whitfield
SCALE: 5" = 100'

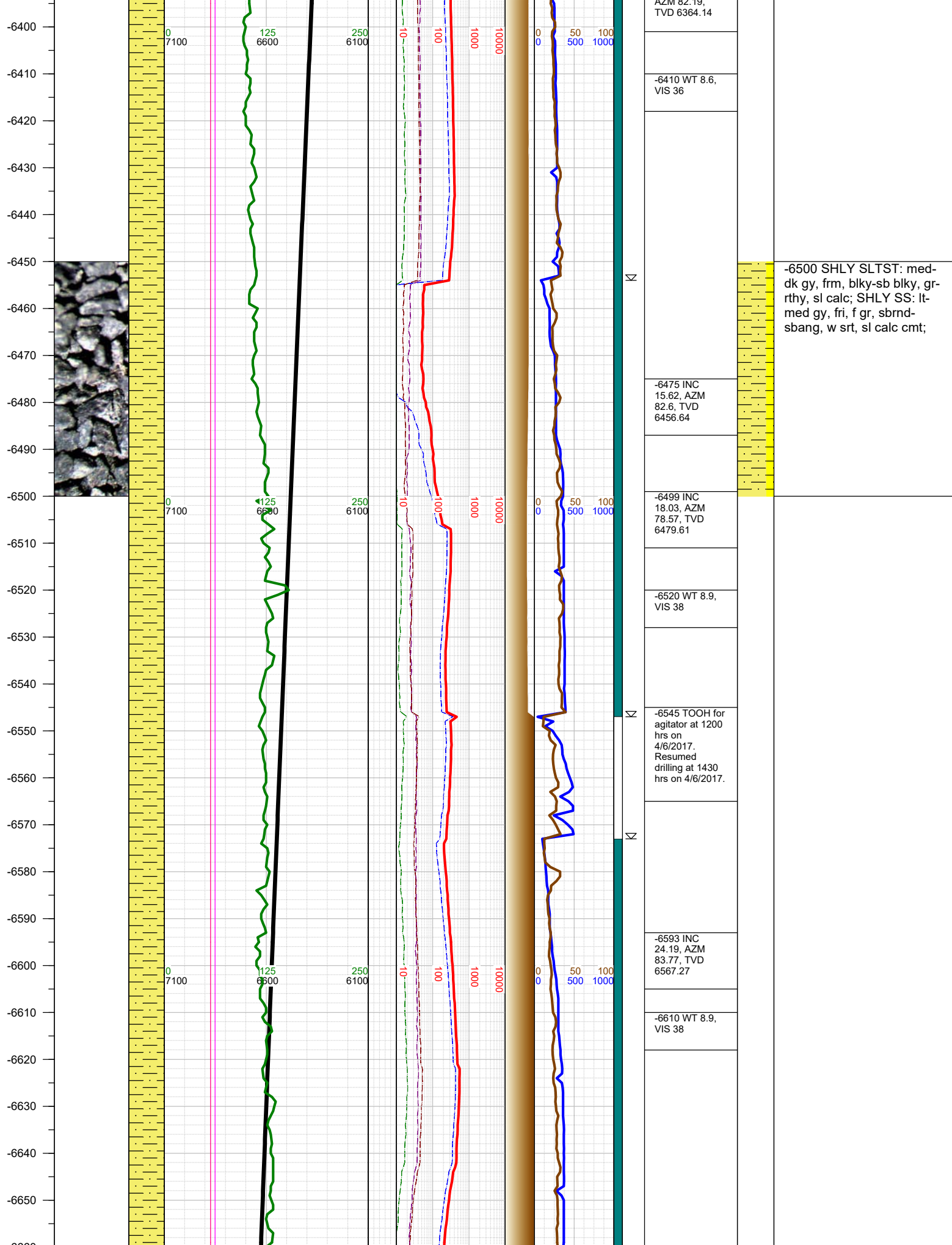
LEGEND

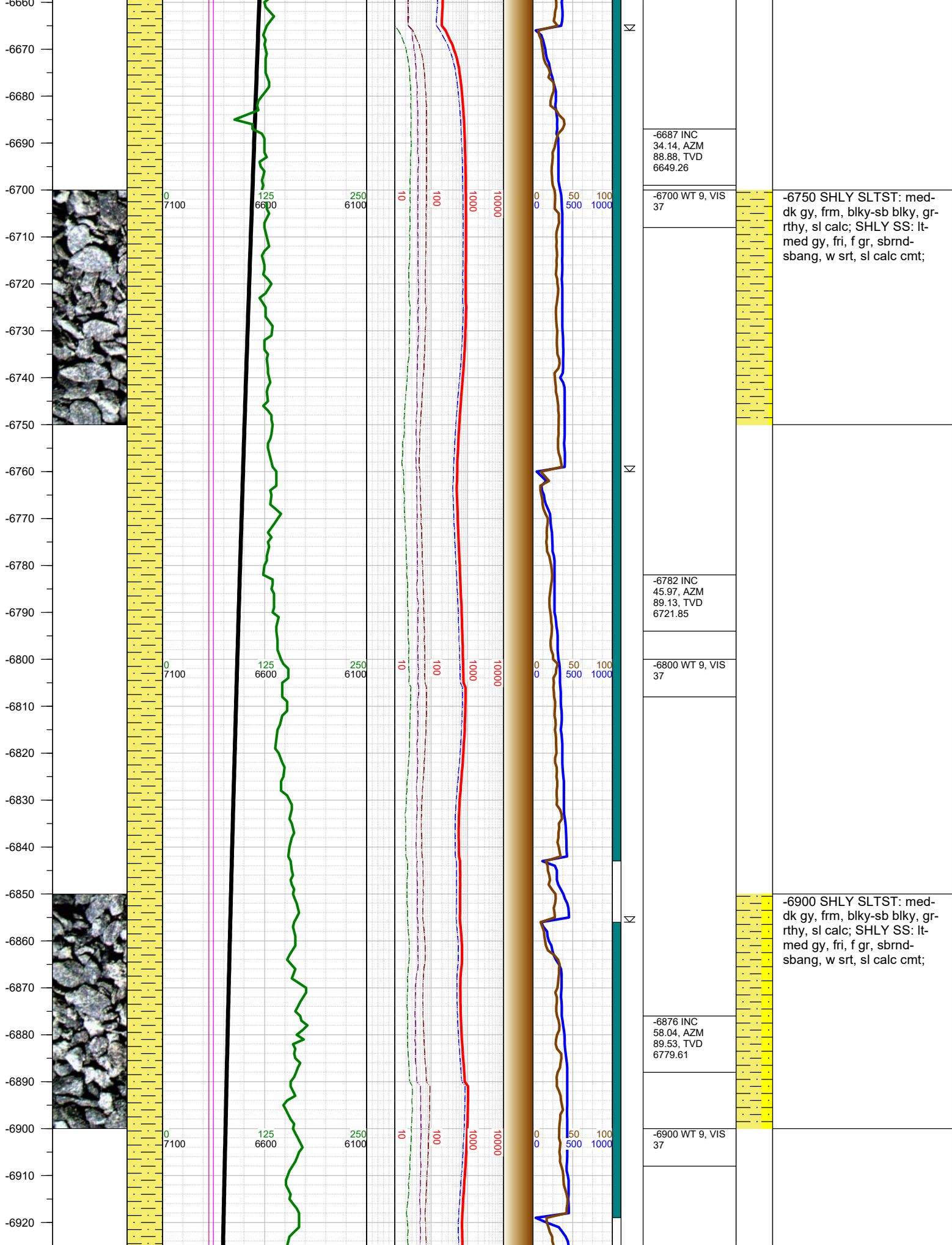


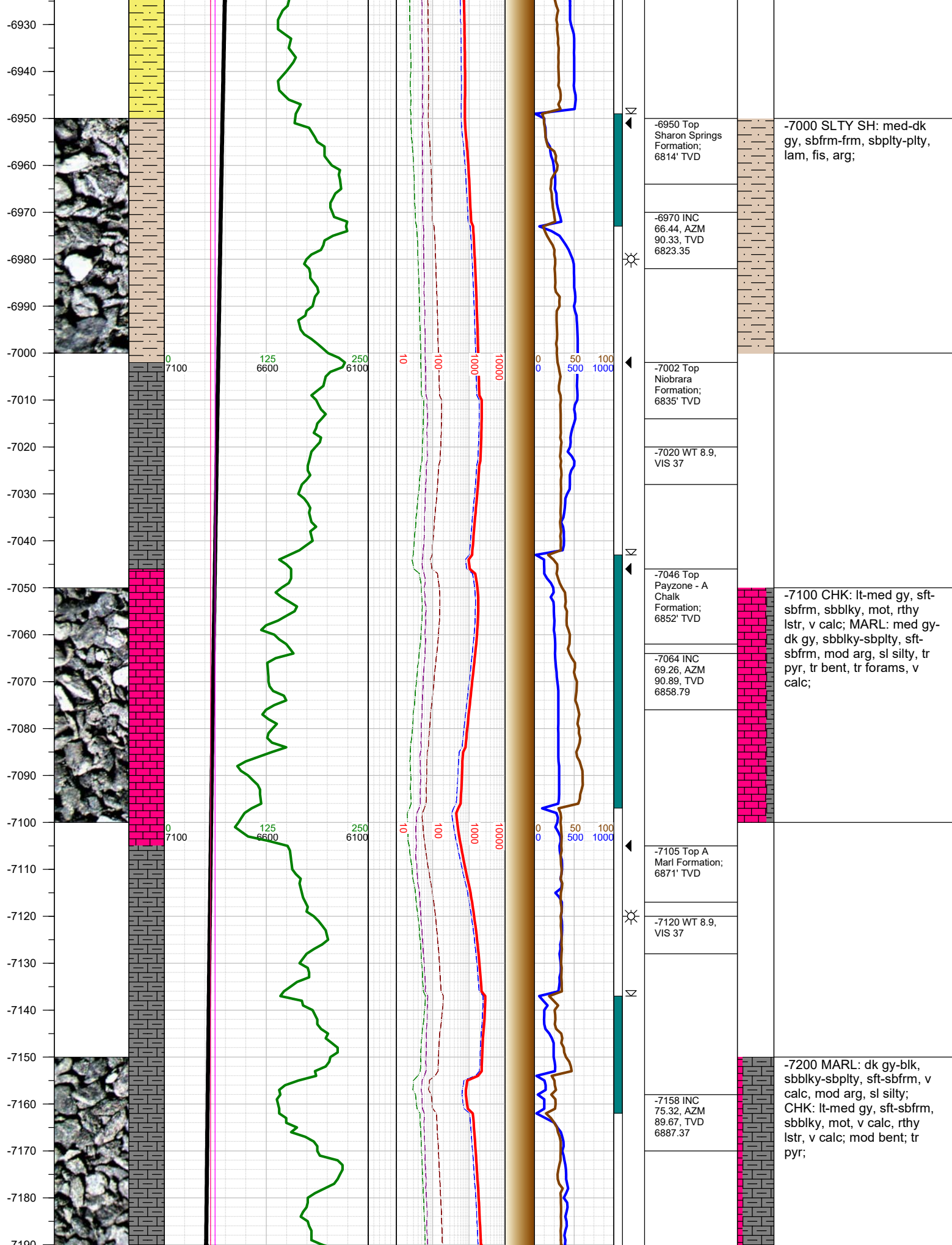
FORMATION \approx CONNECTION Δ MIDNIGHT NEW BIT GAS SHOW FAULT

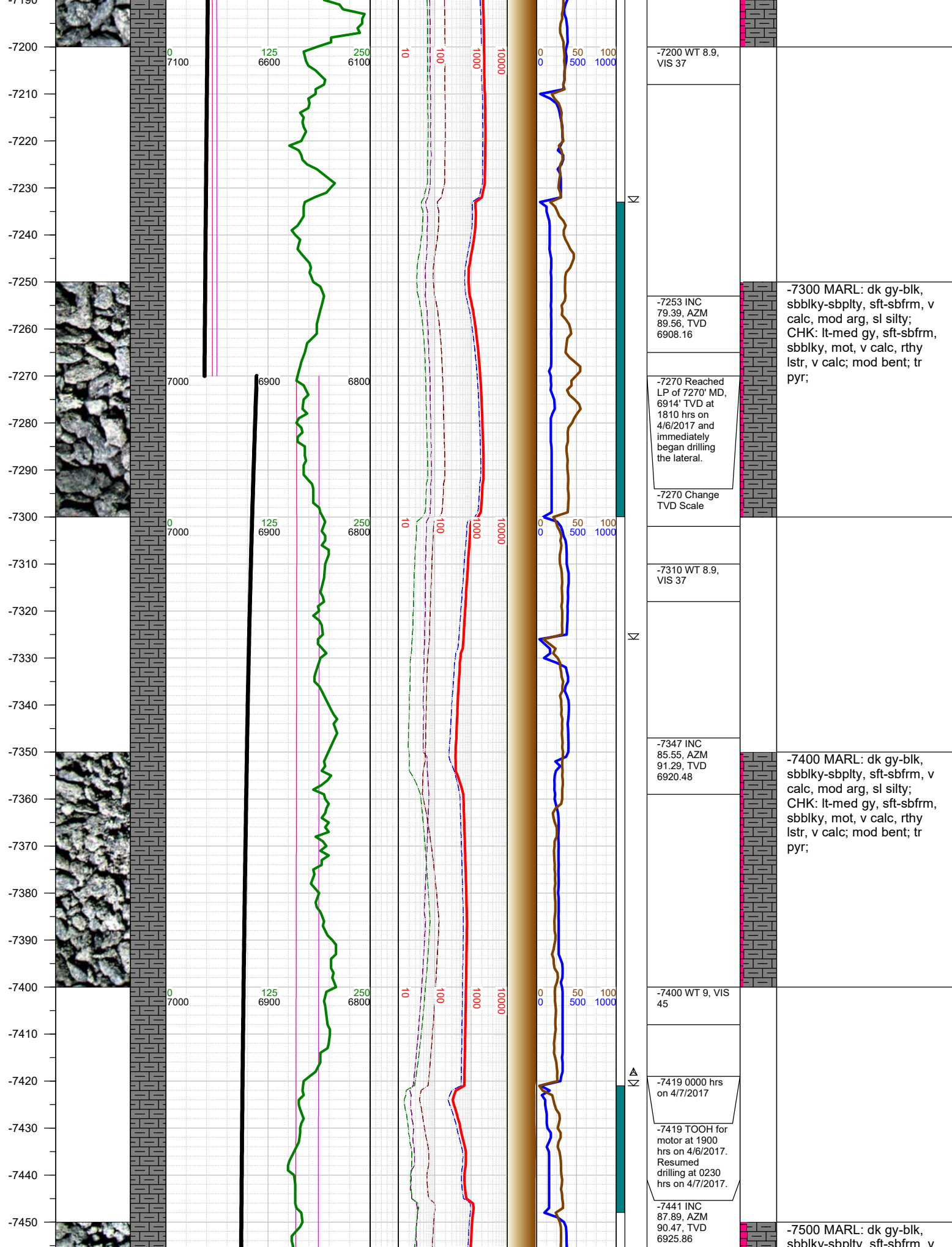


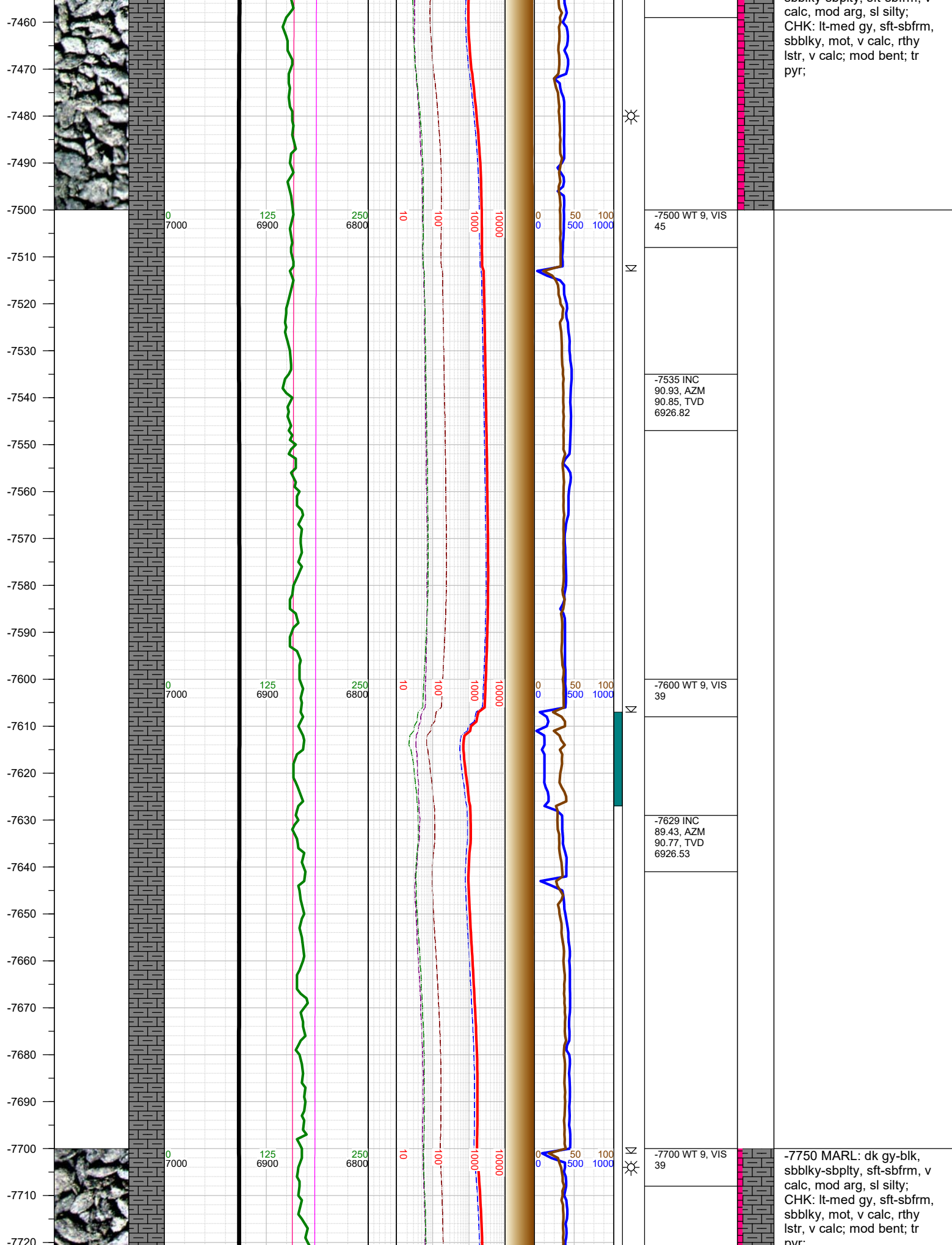


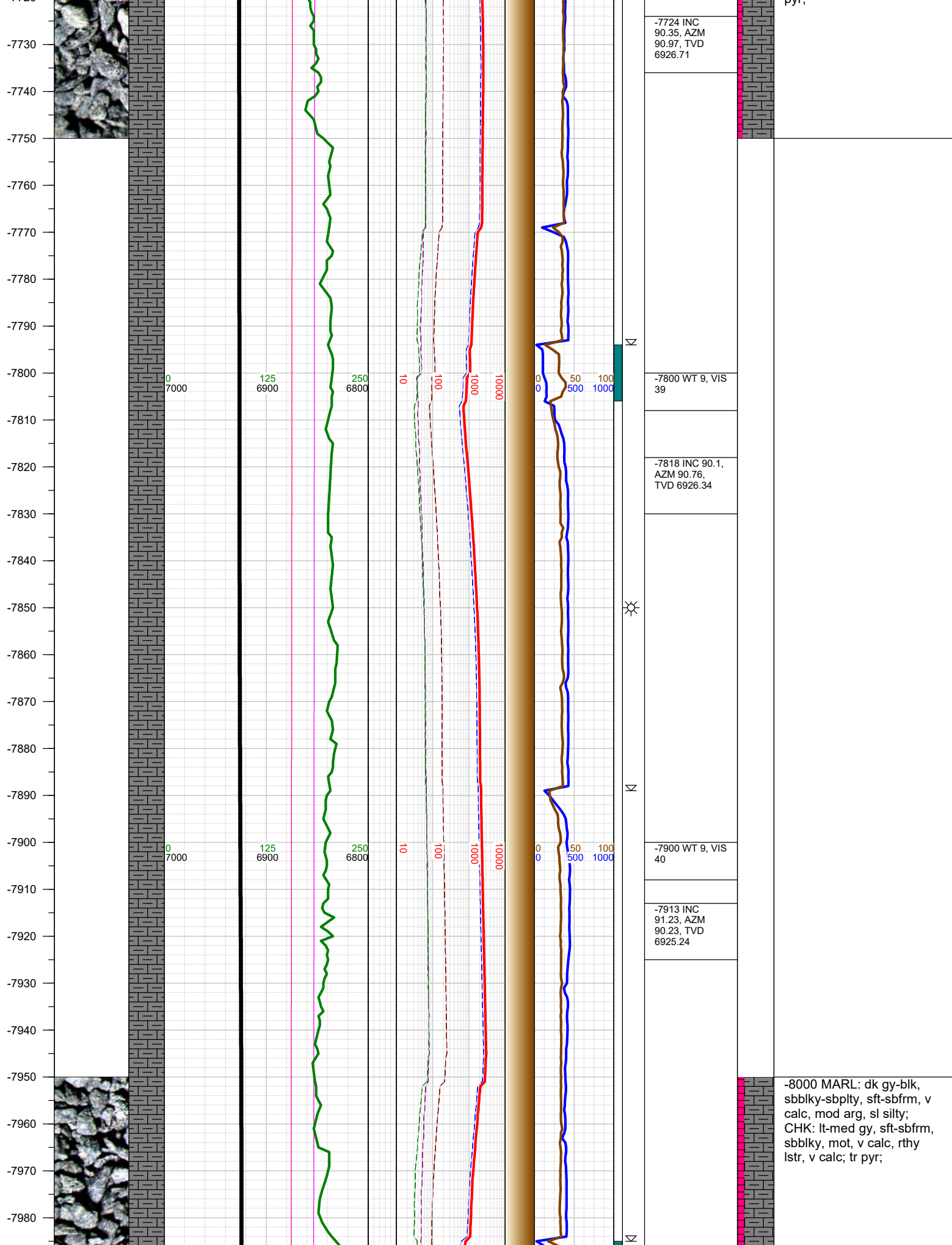


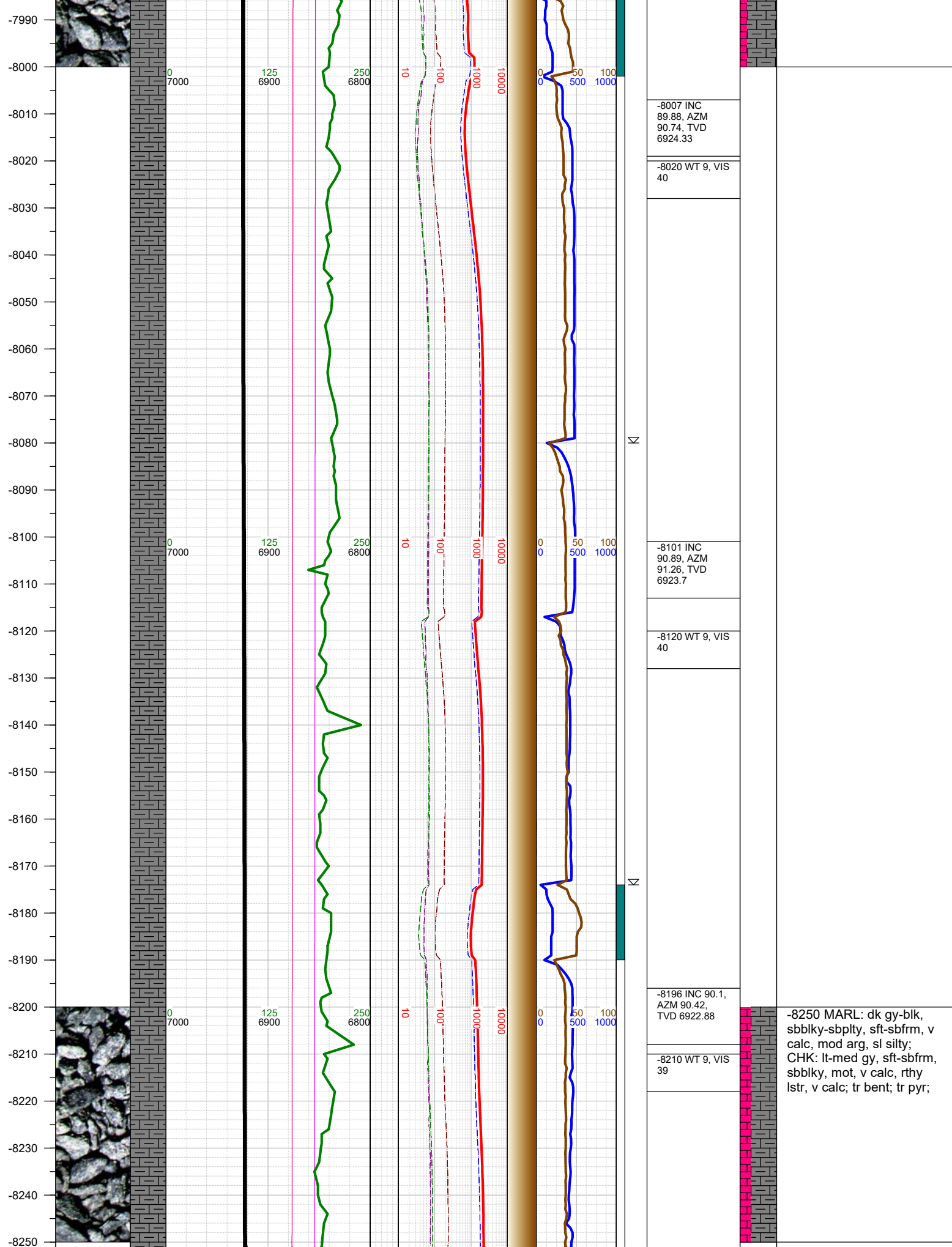


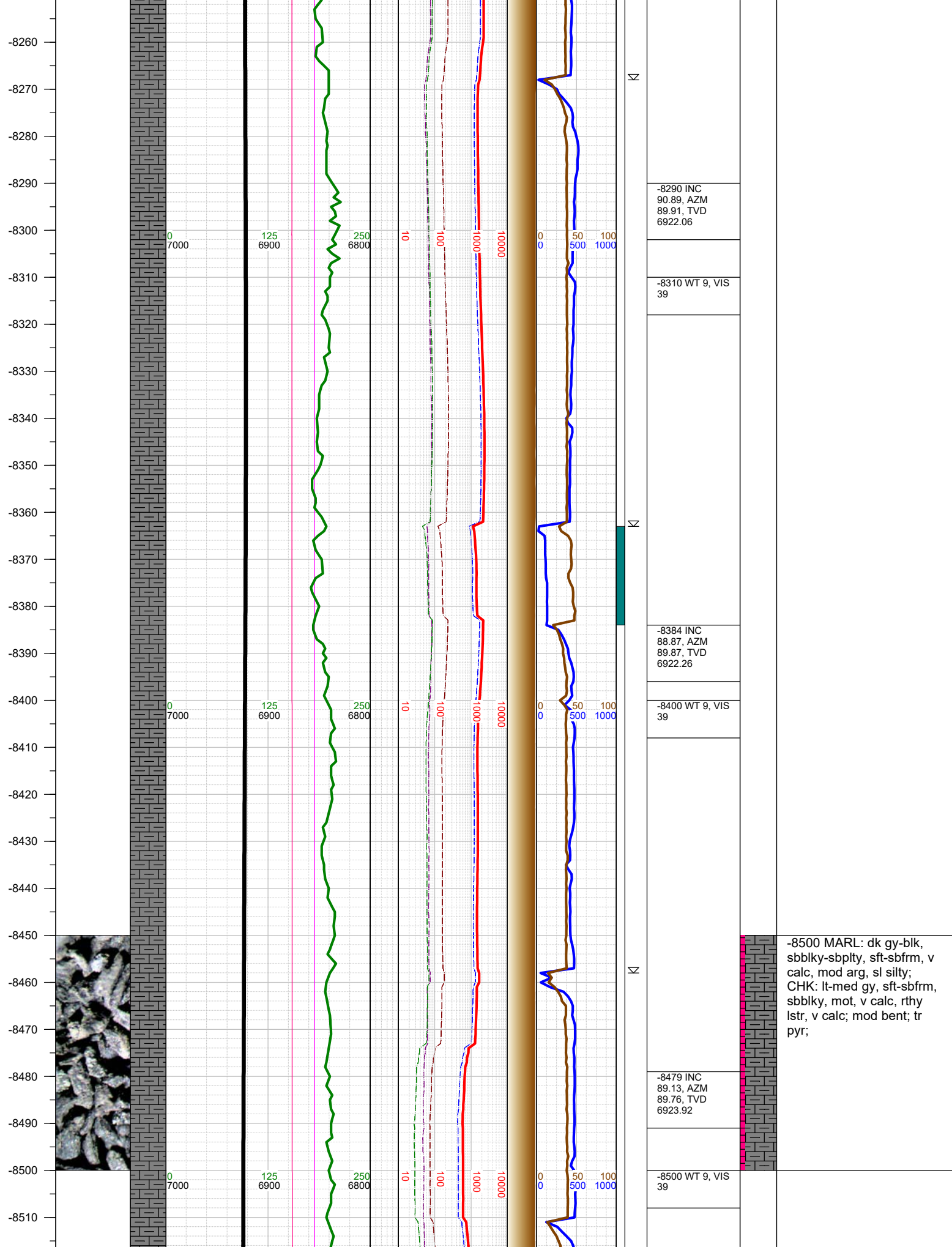


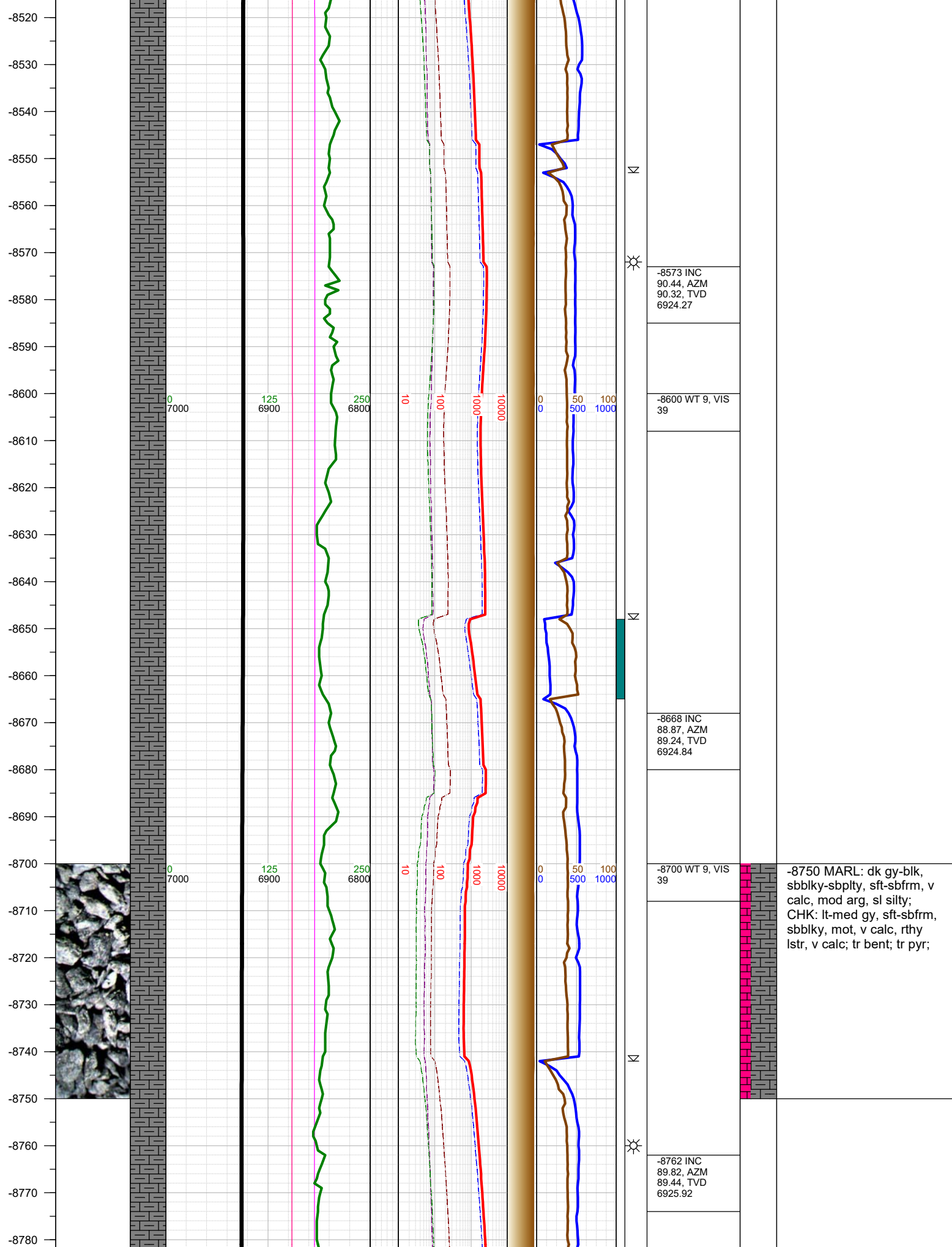


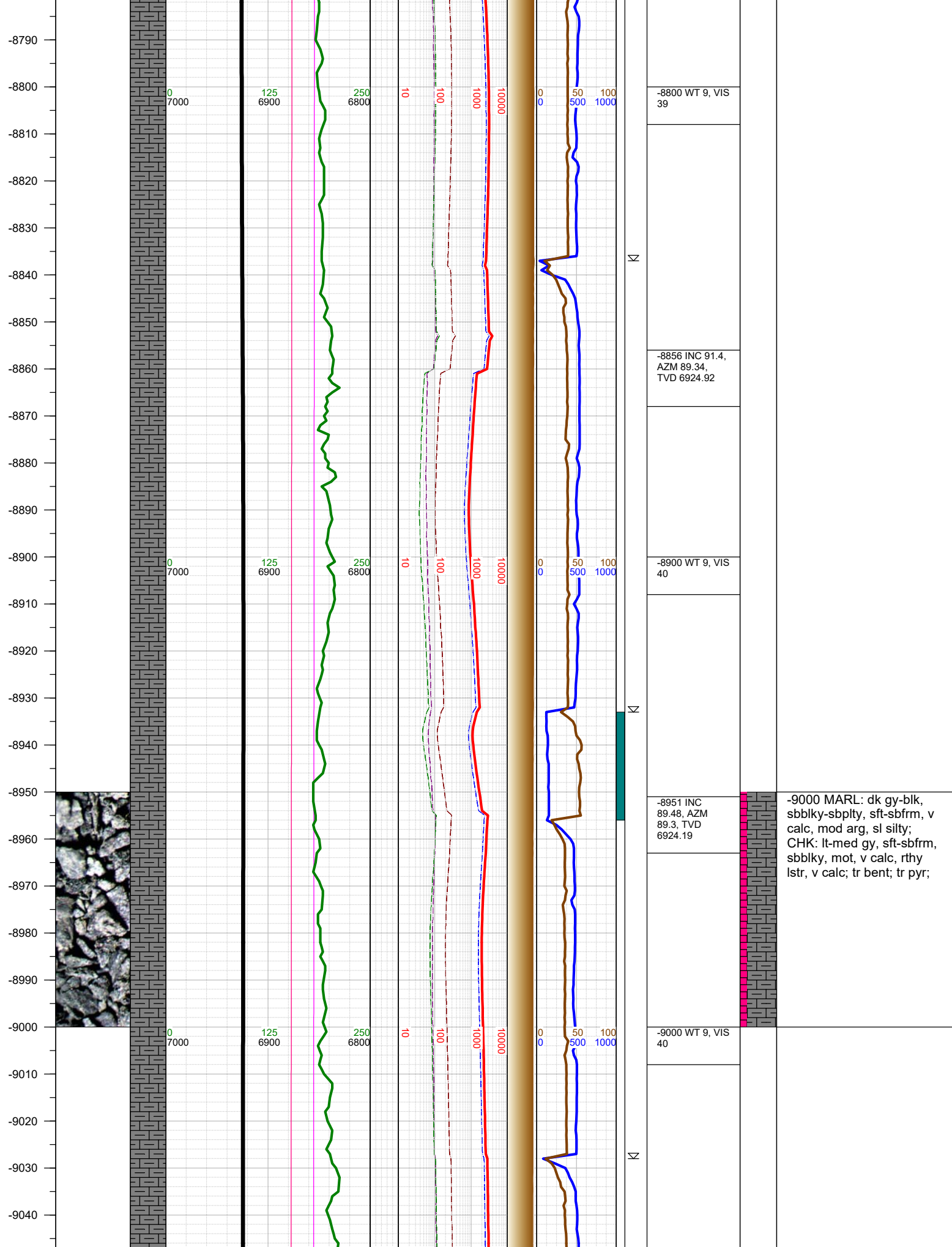


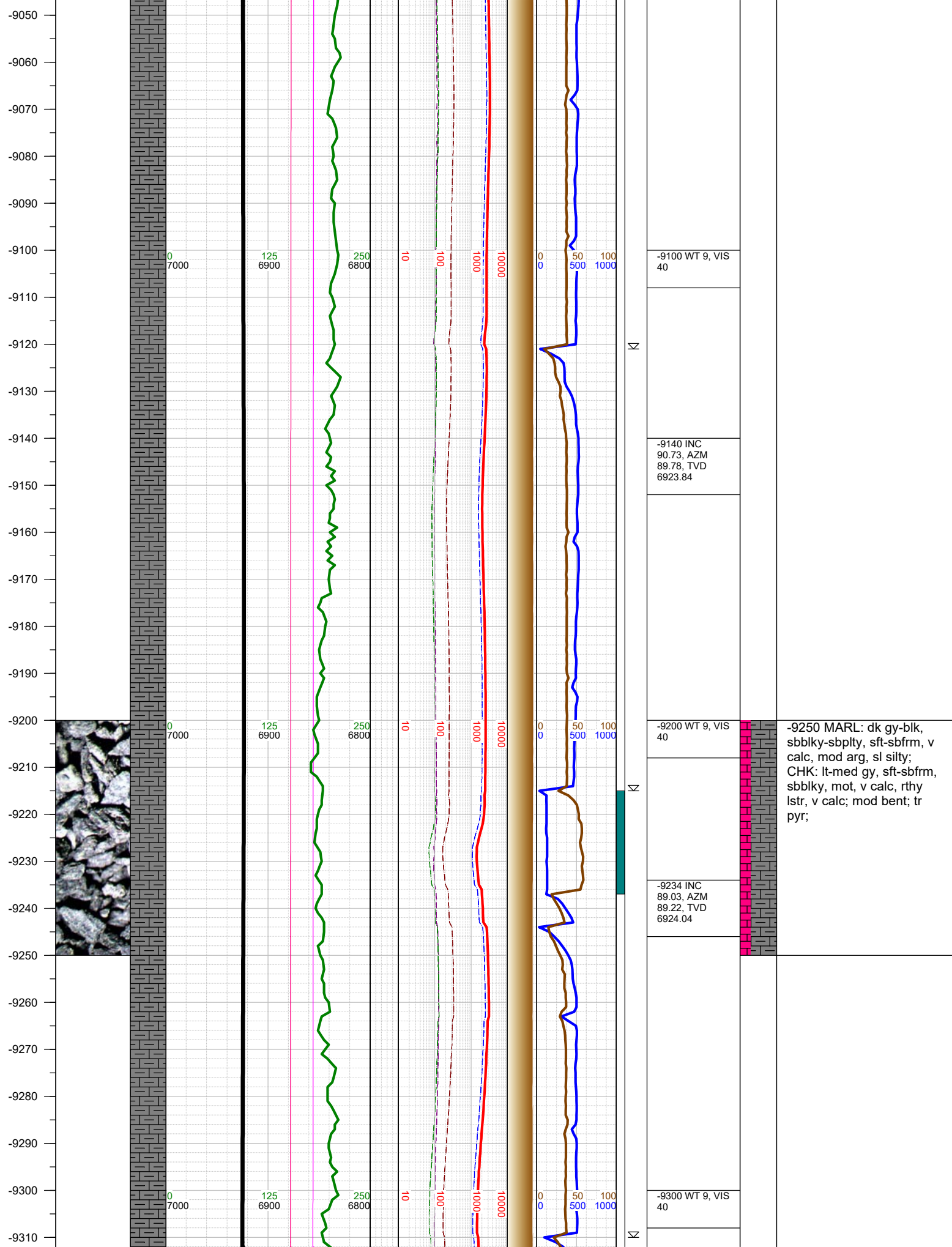


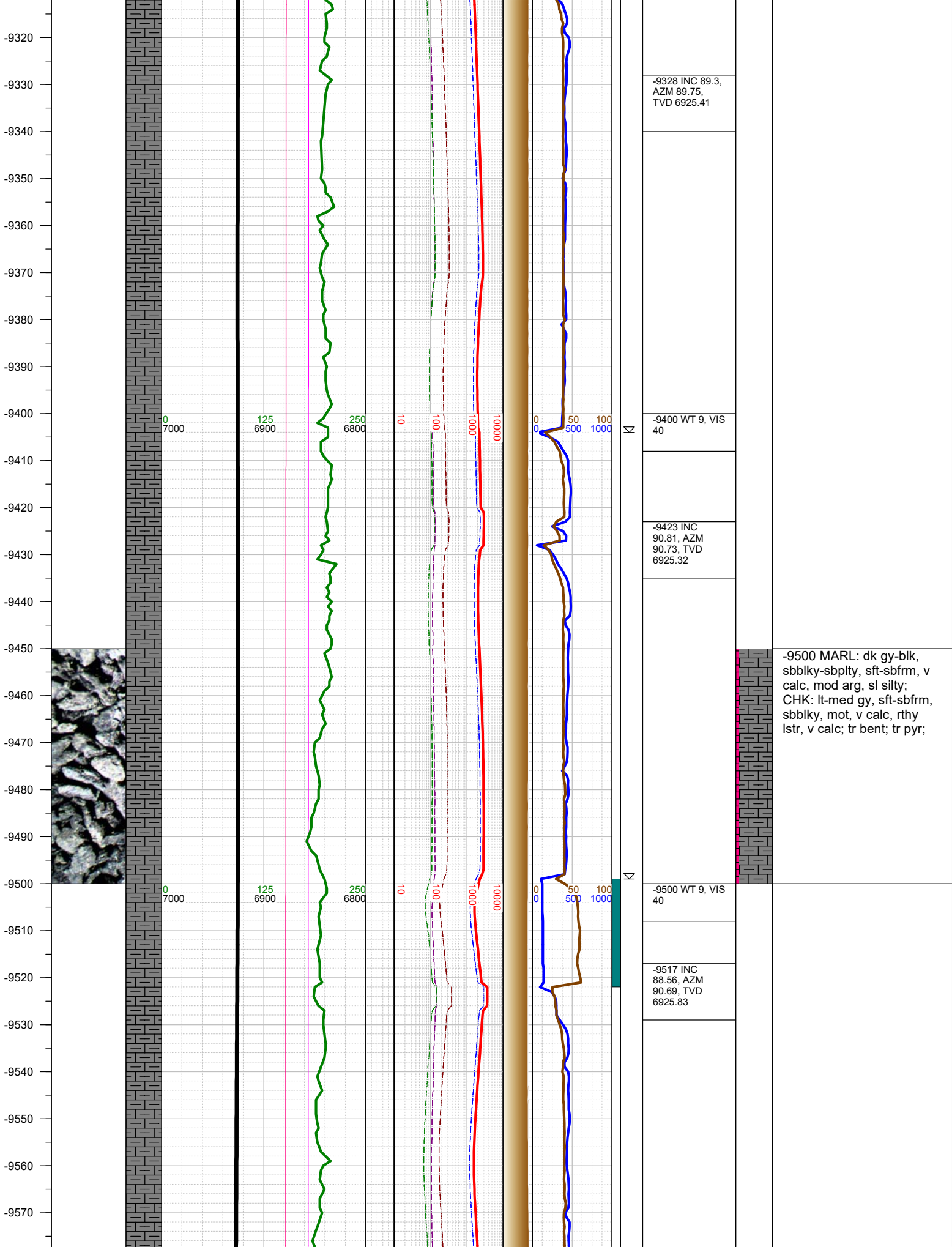


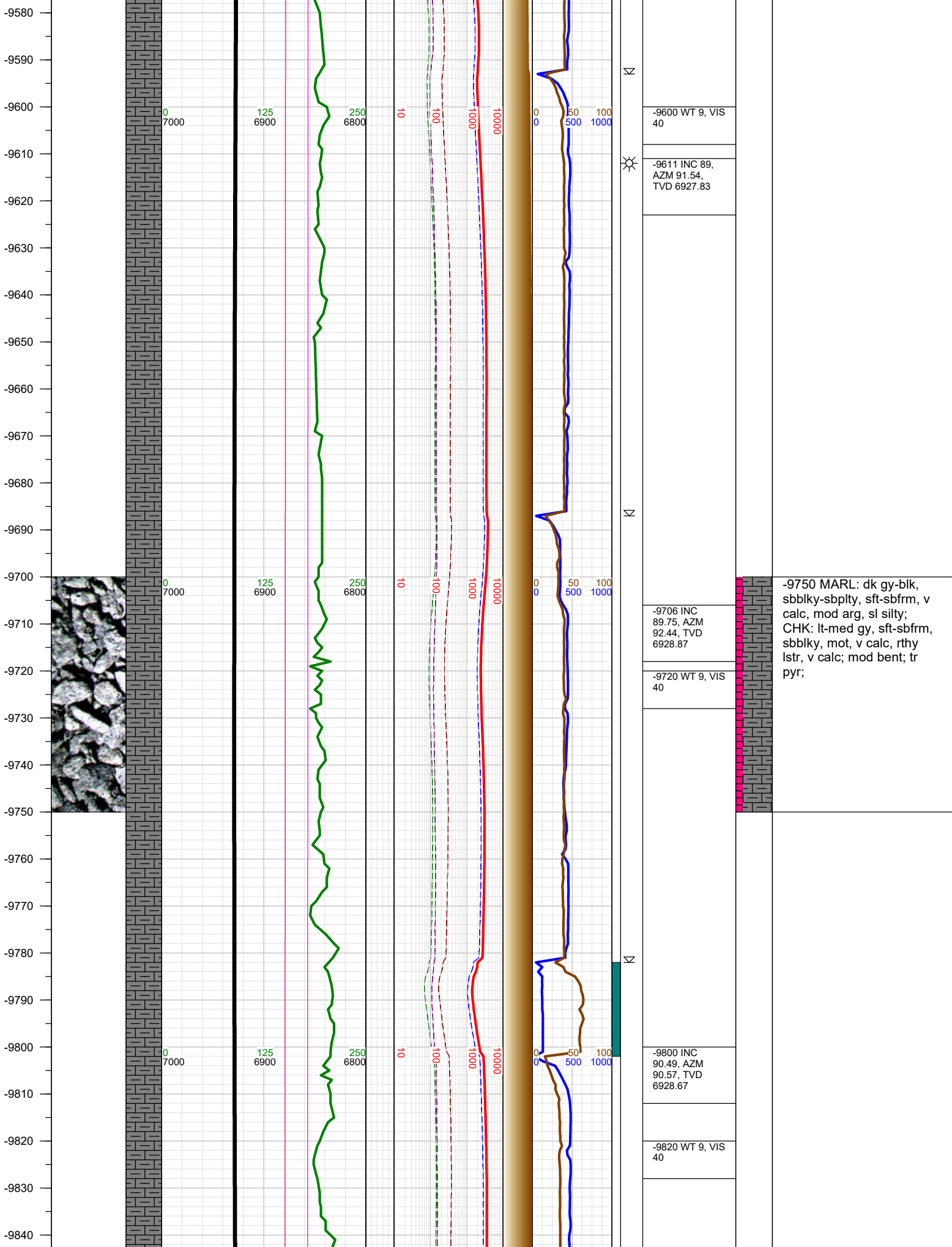


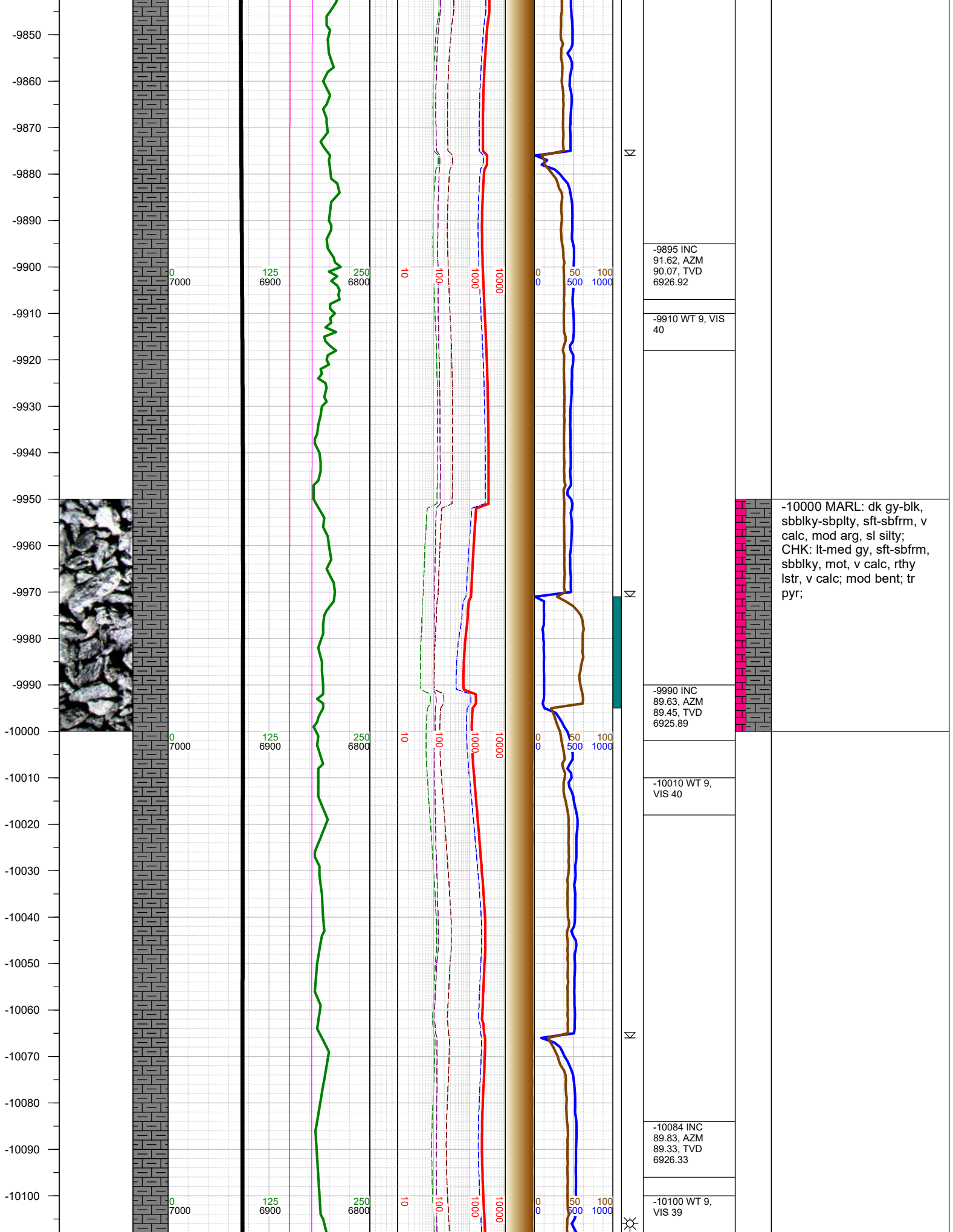




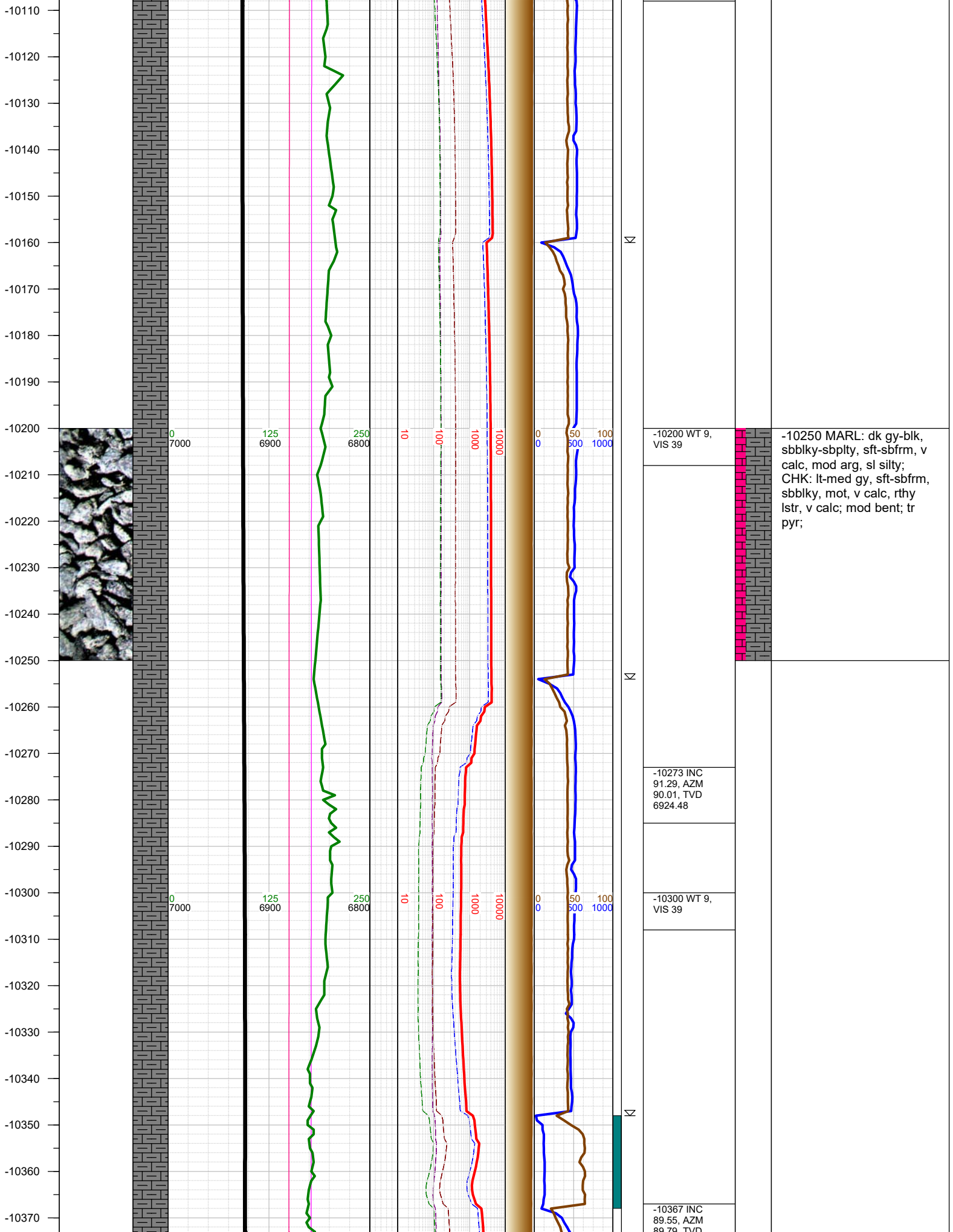




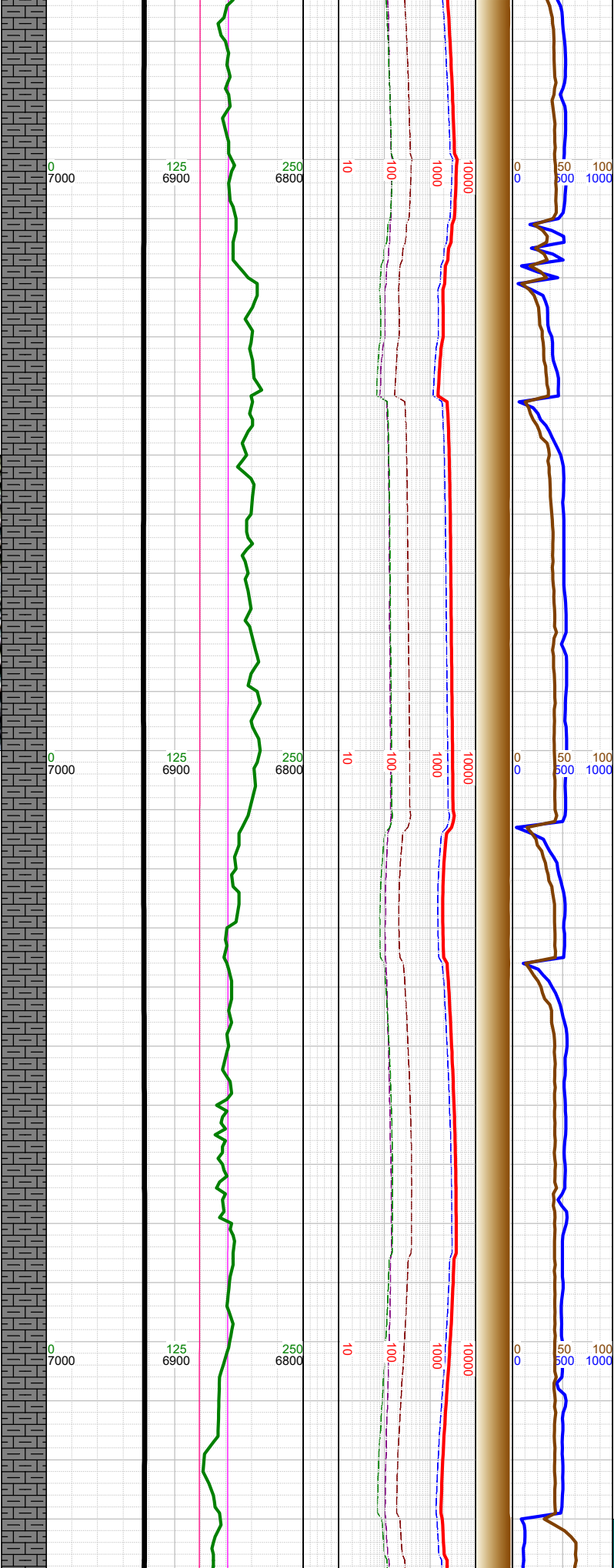
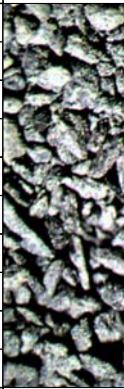




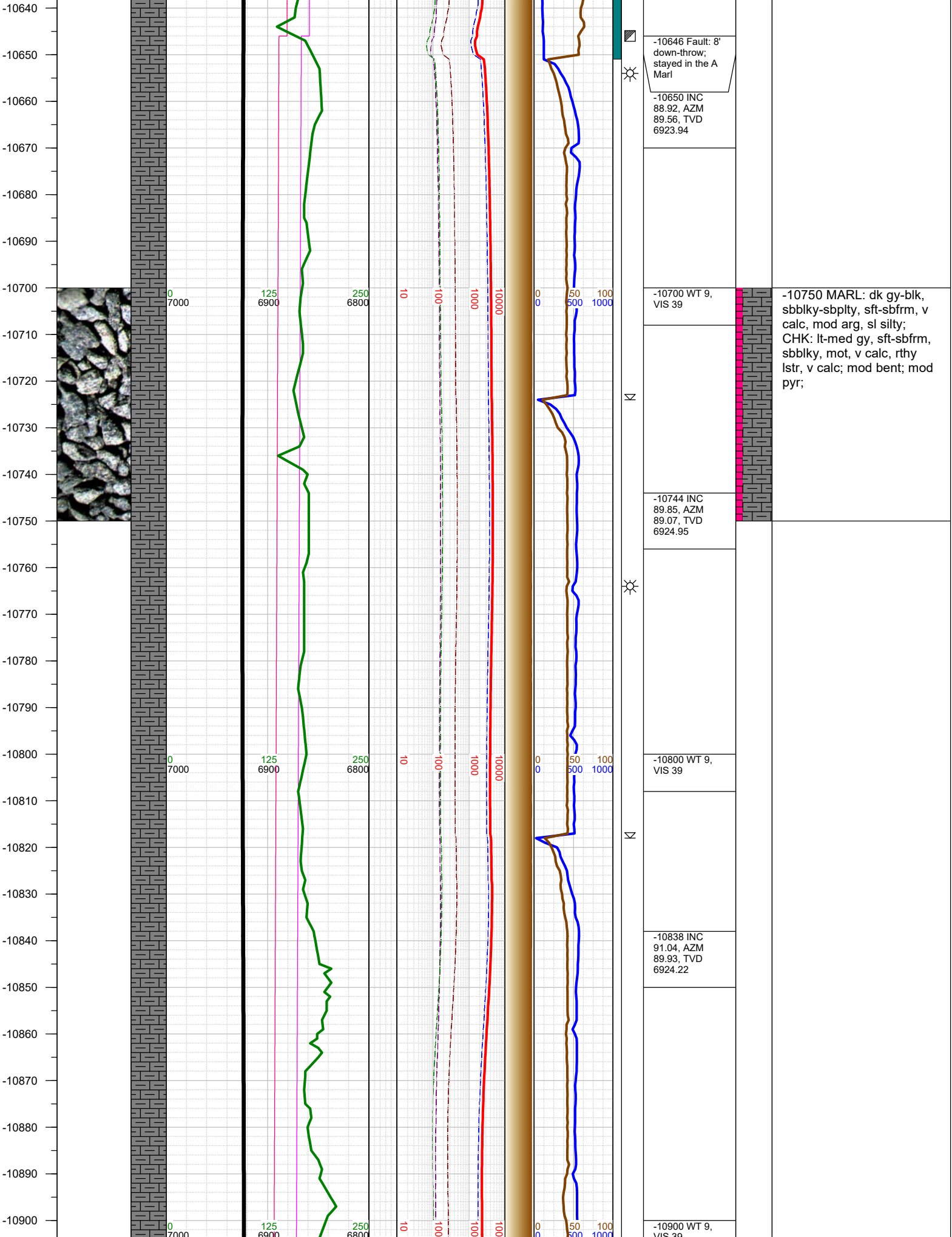
-10000 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, v calc; mod bent; tr pyr;

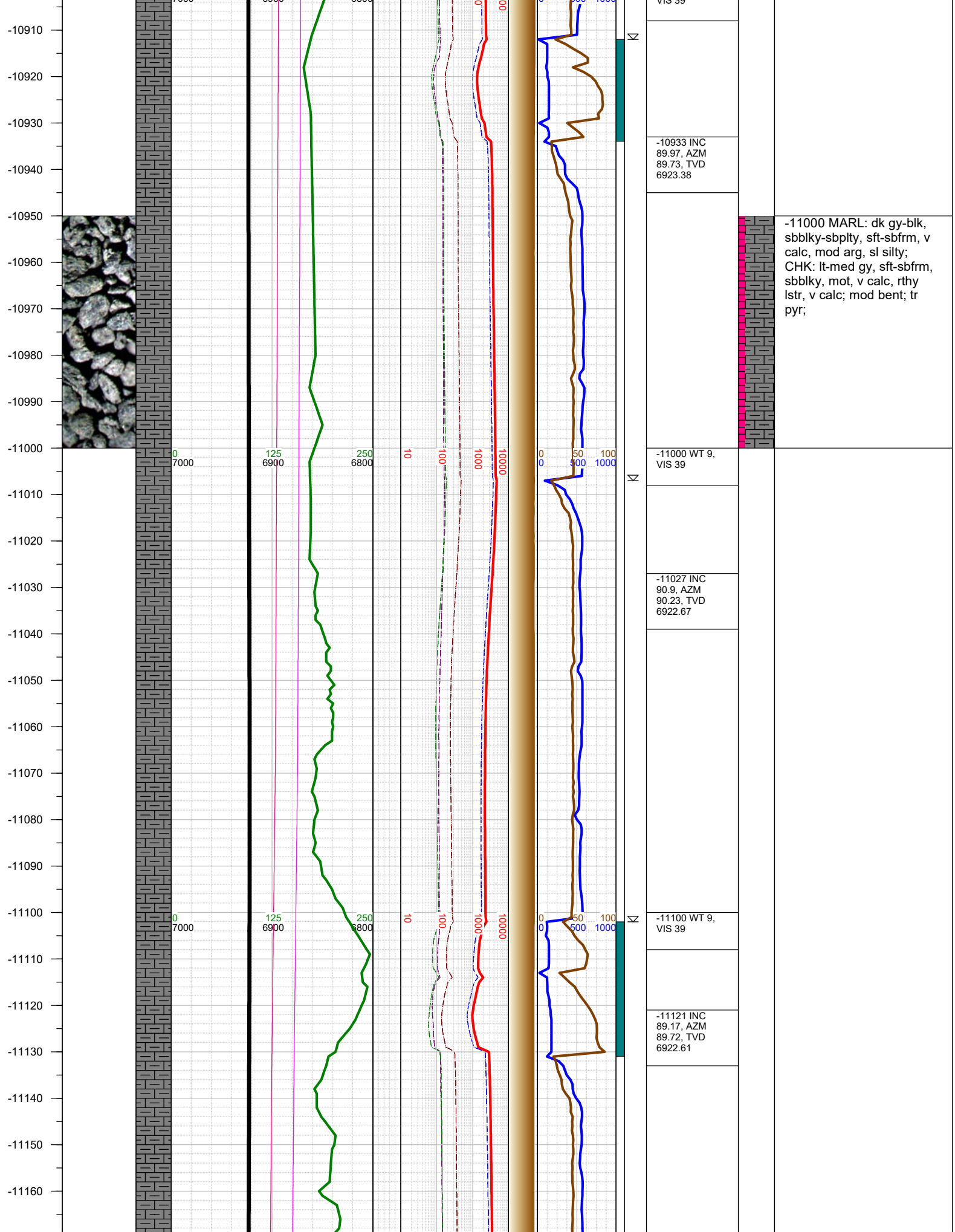


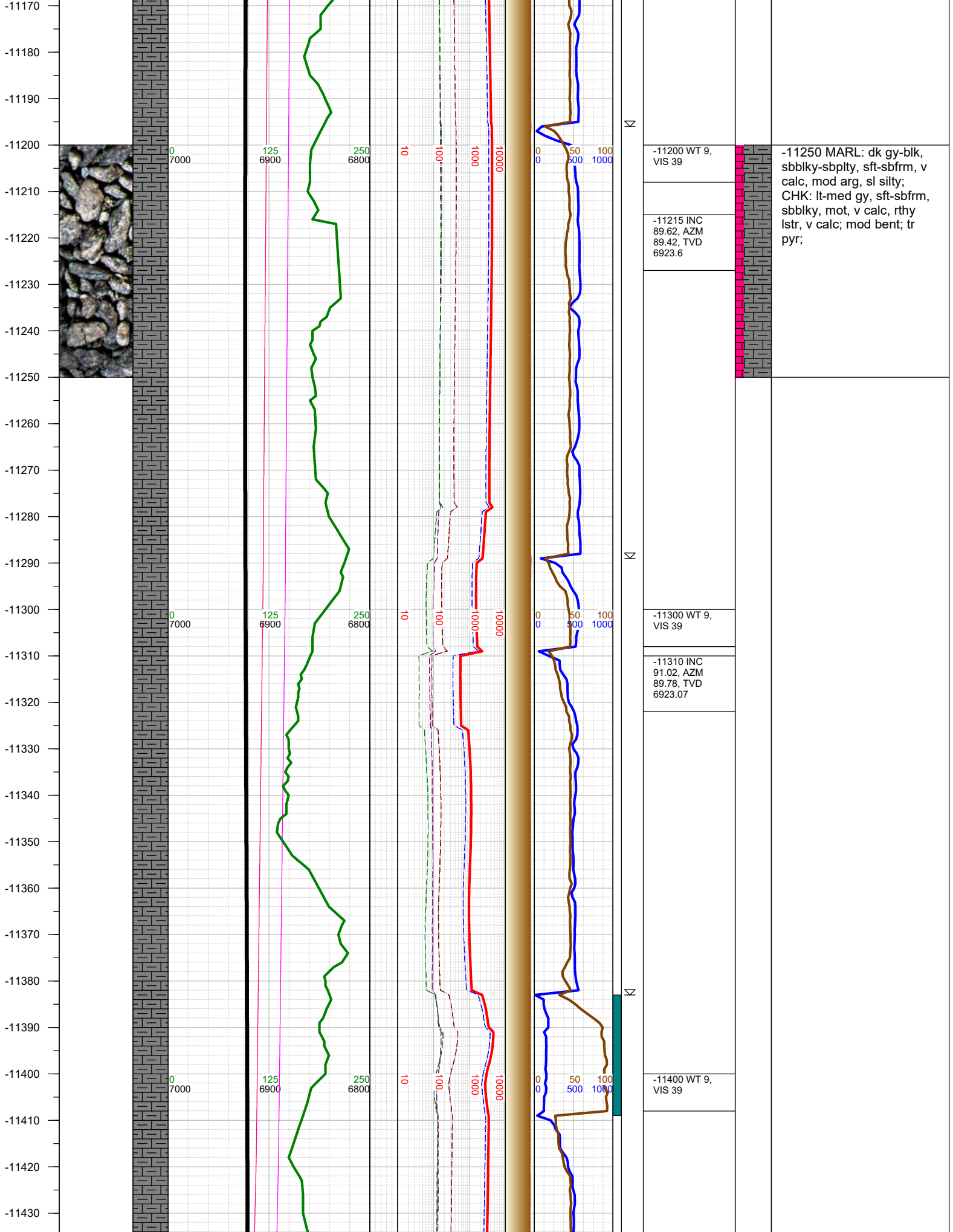
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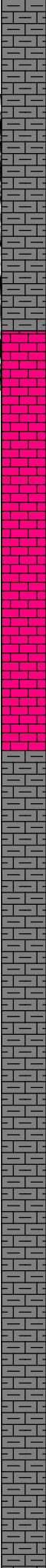
69.19, TVD 6923.8		
-10400 WT 9, VIS 39		
-10462 INC 89.82, AZM 89.3, TVD 6924.32		-10500 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, v calc; mod bent; tr pyr;
-10500 WT 9, VIS 39		
-10556 INC 90.86, AZM 89.17, TVD 6923.76		
-10600 WT 9, VIS 39		







-11440
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-11690



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6900

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6800

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-11498 INC
90.48, AZM
89.06, TVD
6920.61

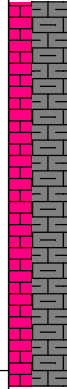
-11510 WT 9,
VIS 39



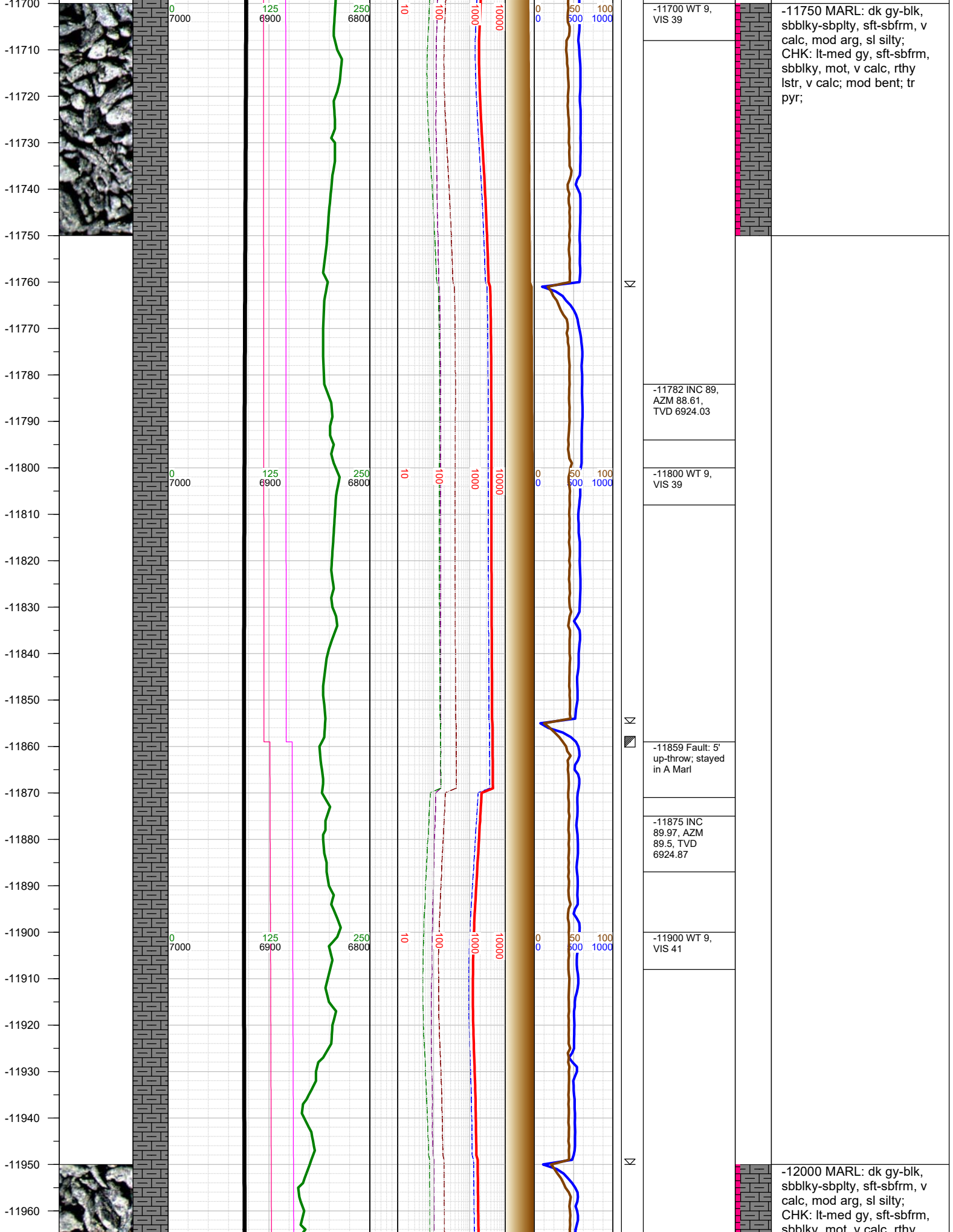
-11561 Fault: 22
up-throw; went
from A Chalk to
A Marl

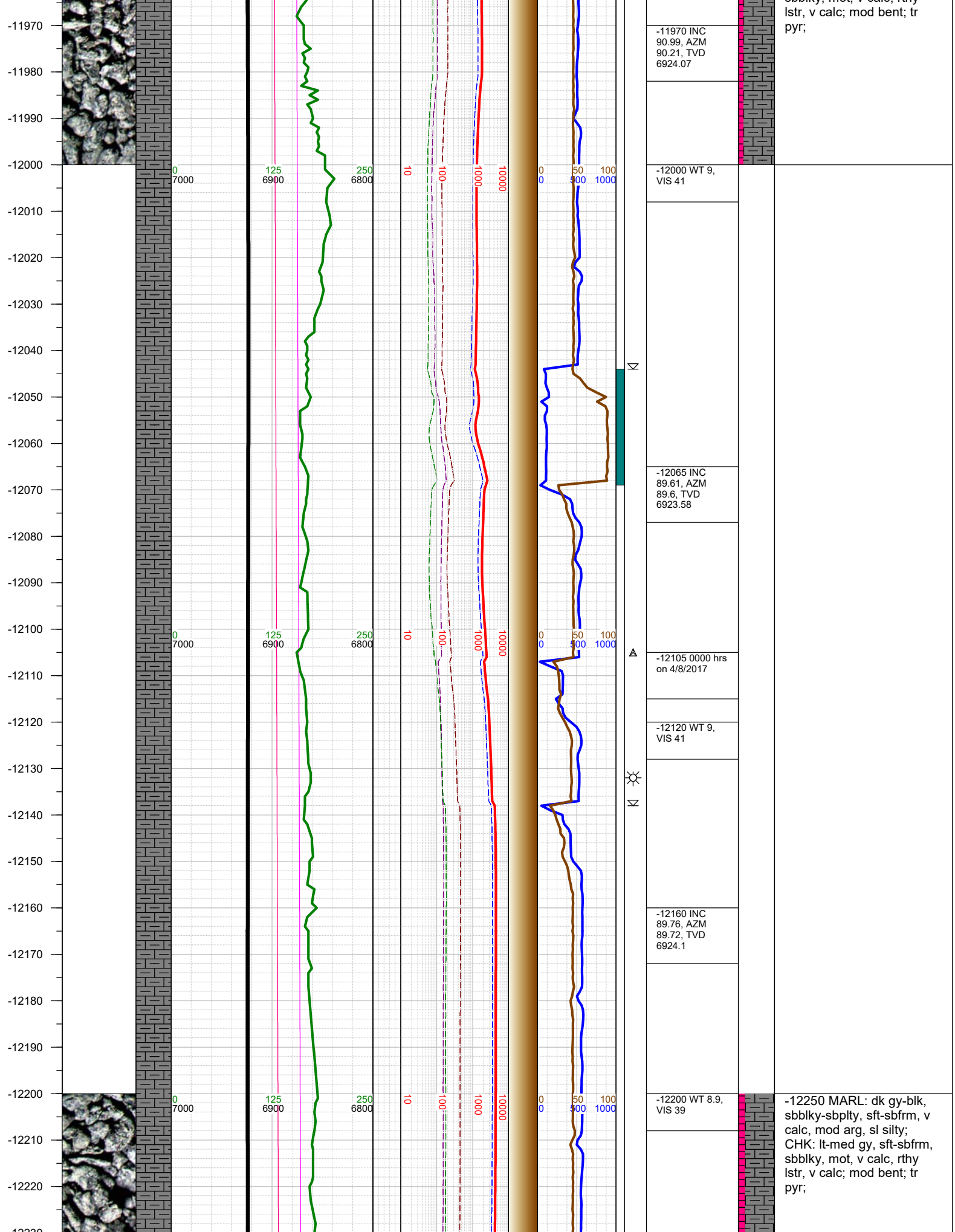
-11592 INC
89.13, AZM
89.42, TVD
6920.93

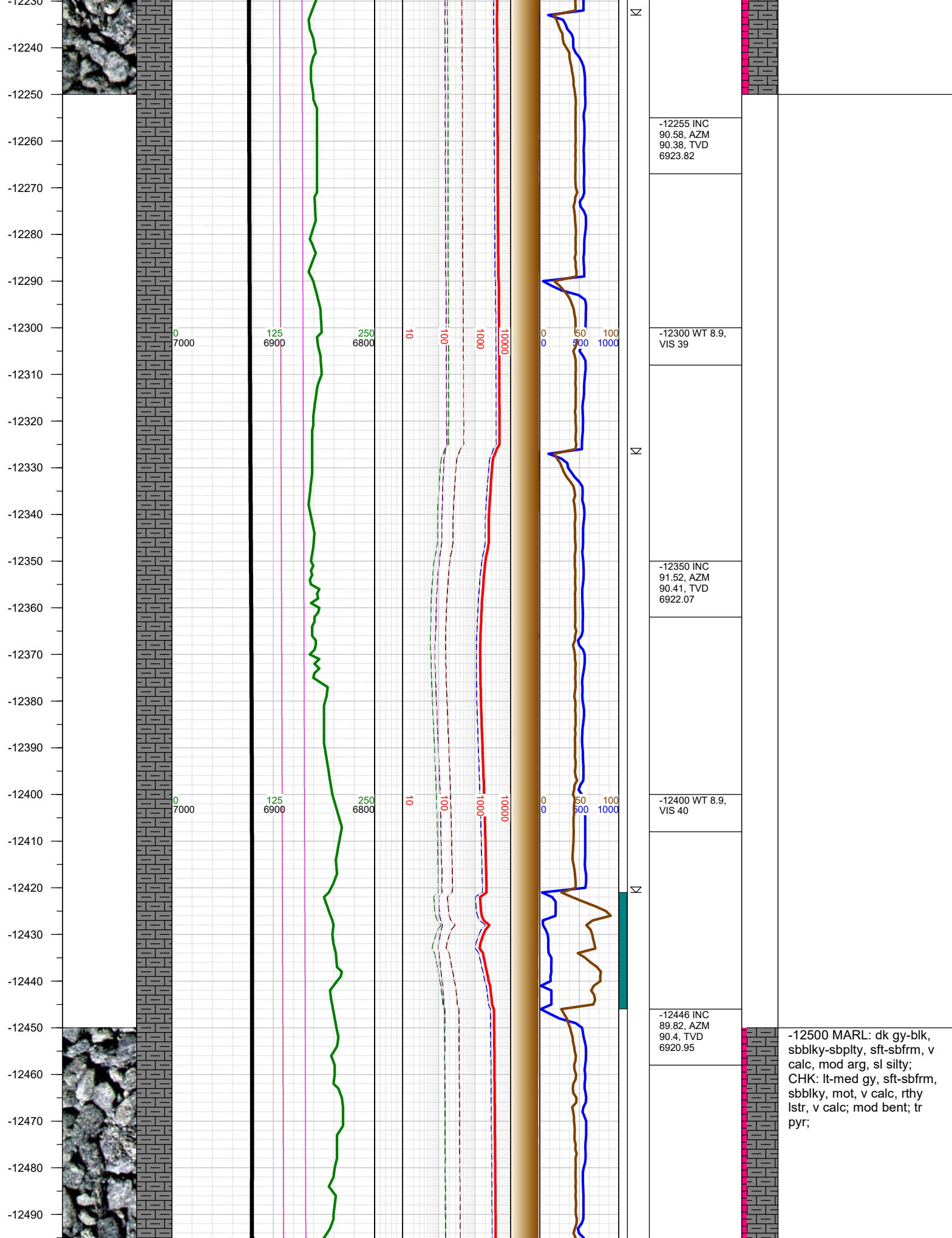
-11610 WT 9,
VIS 39

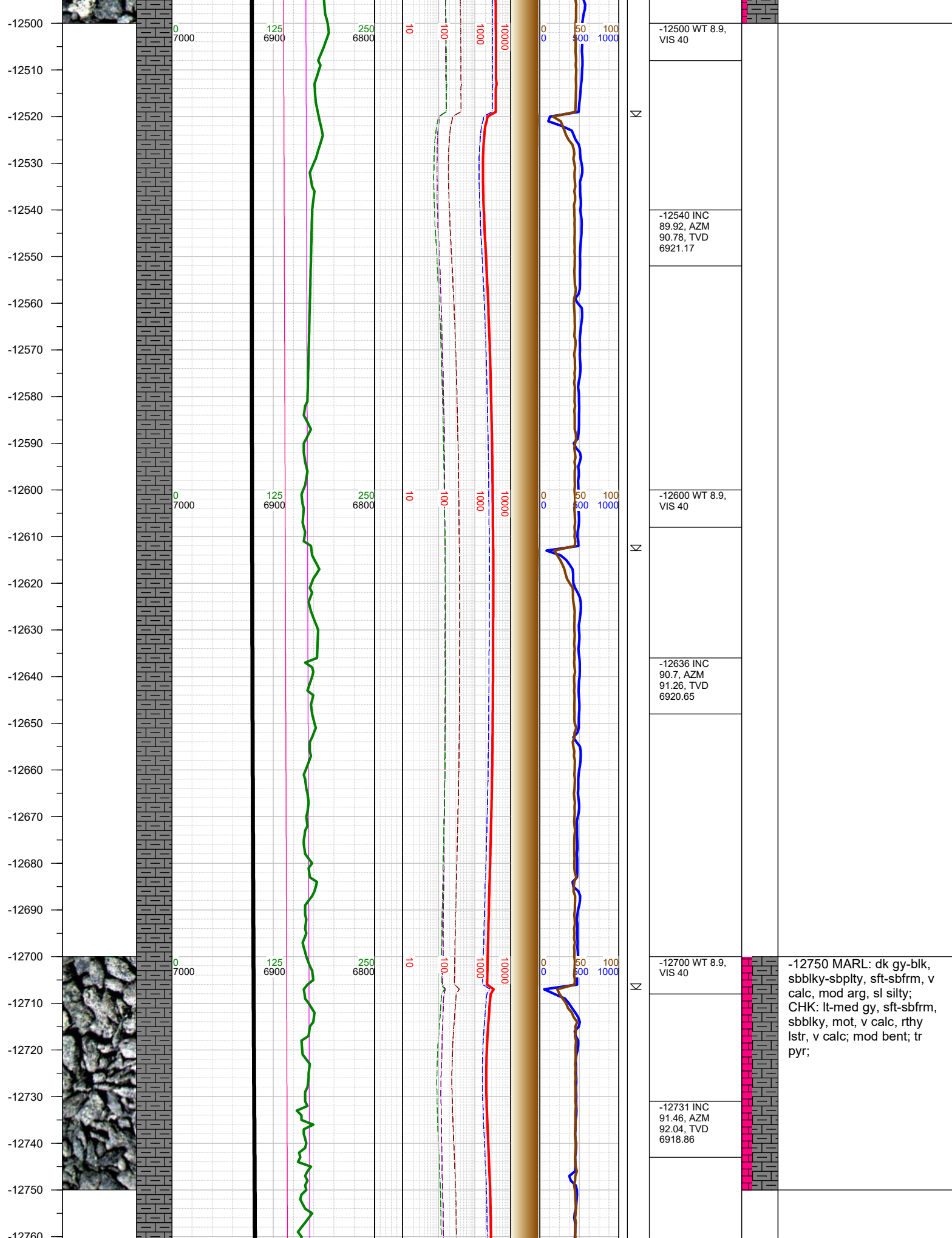


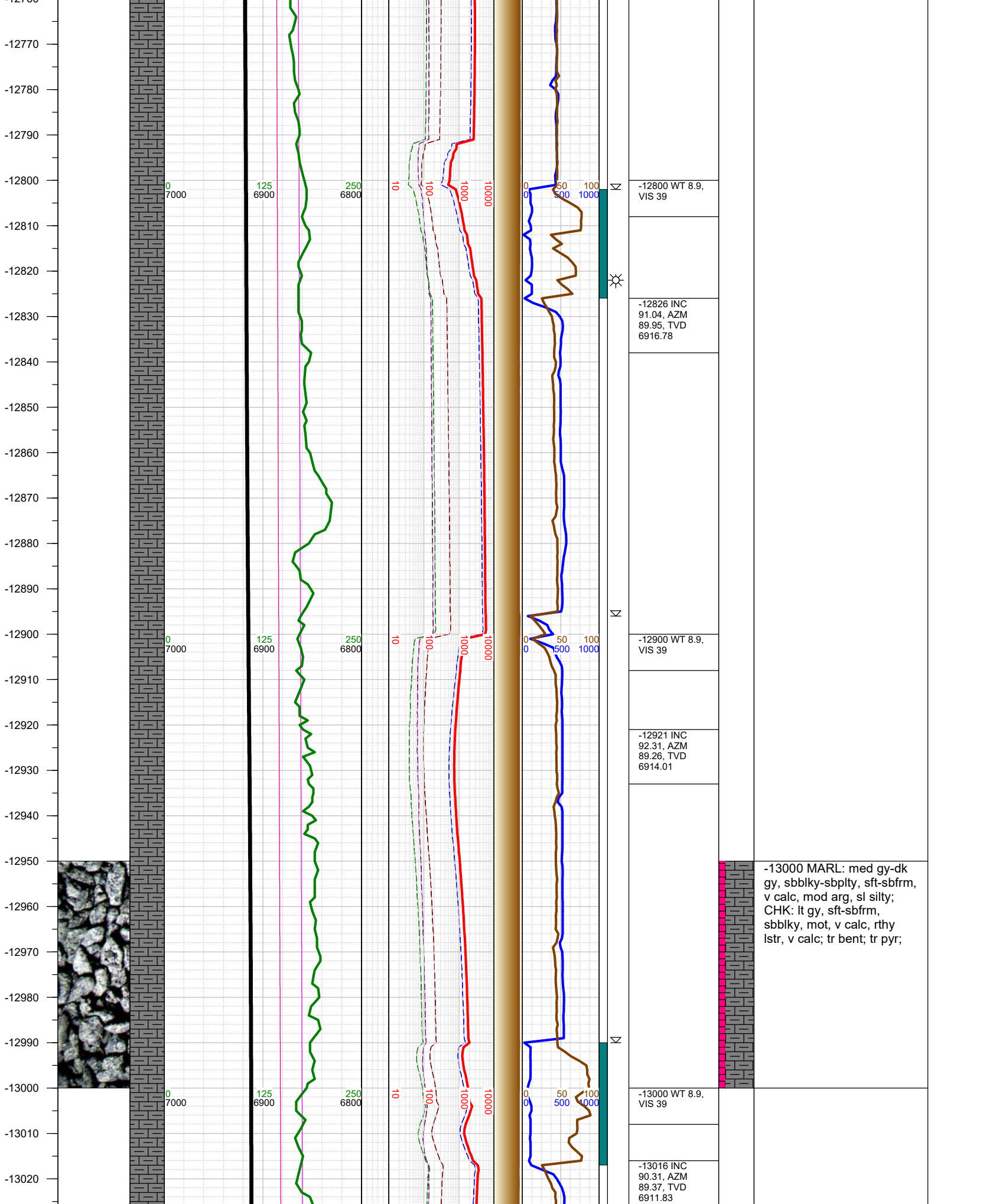
-11500 MARL: dk gy-blk,
sbbiky-sbply, sft-sbfrm, v
calc, mod arg, sl silty;
CHK: lt-med gy, sft-sbfrm,
sbbiky, mot, v calc, rthy
lstr, v calc; mod bent; tr
pyr;

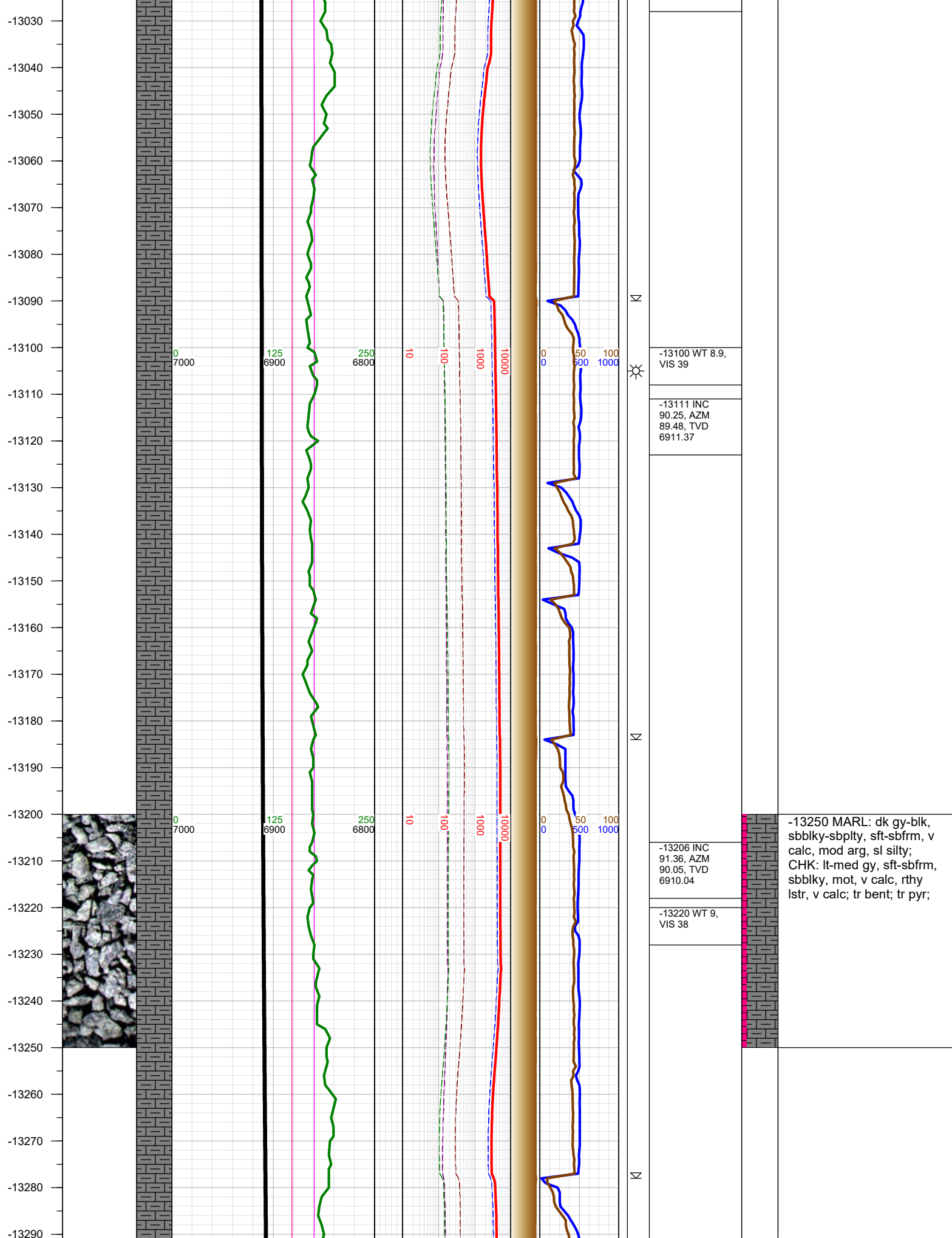


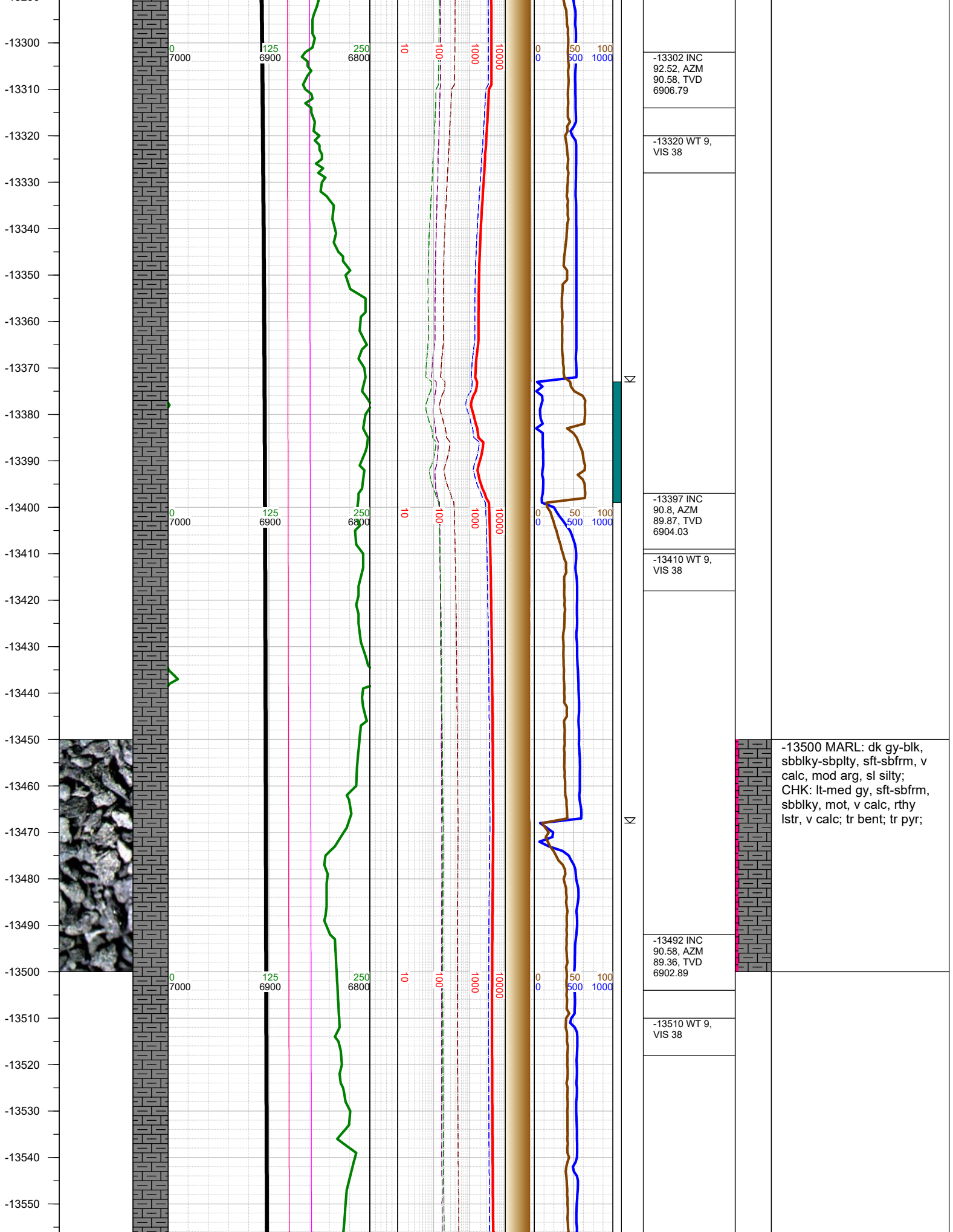


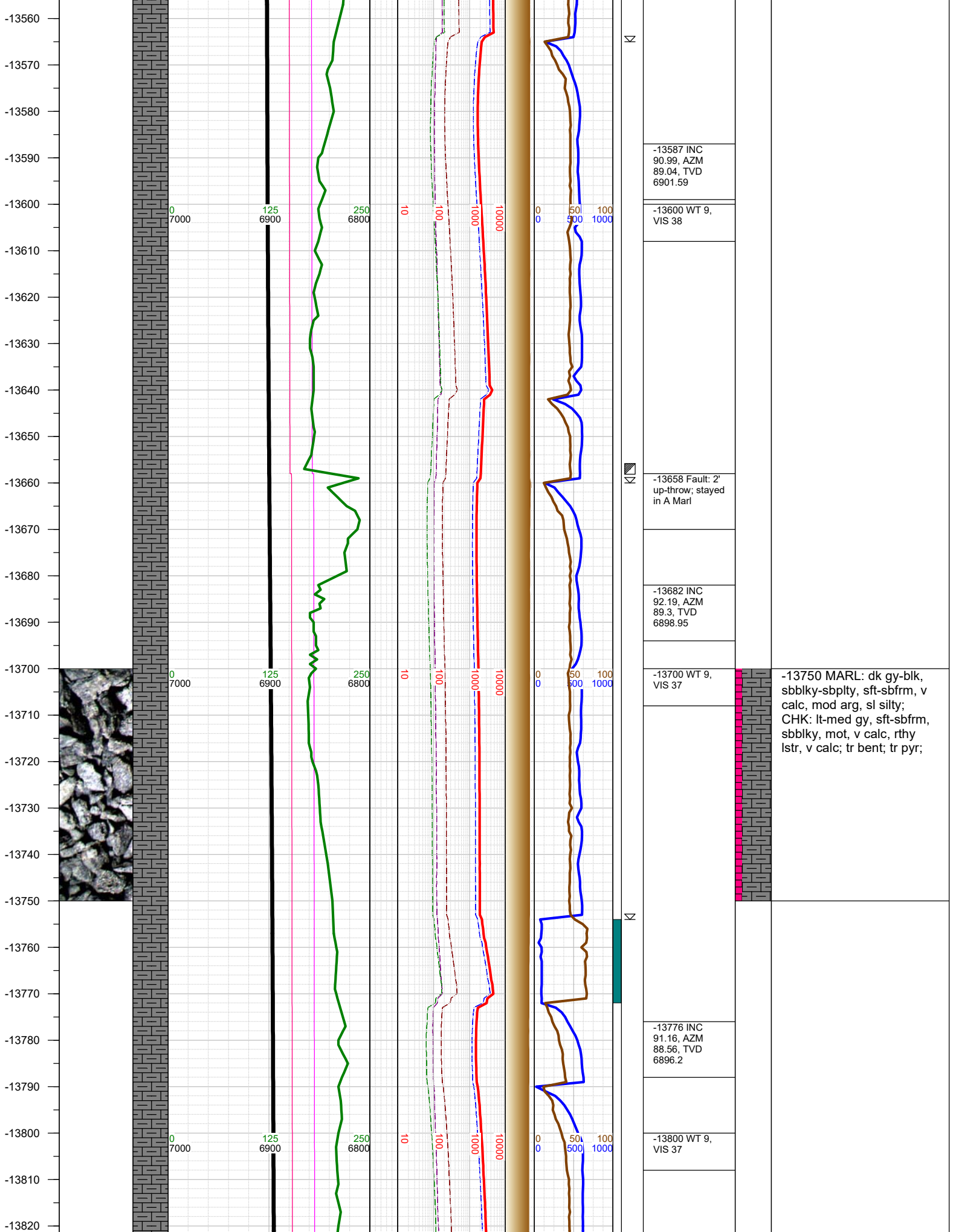


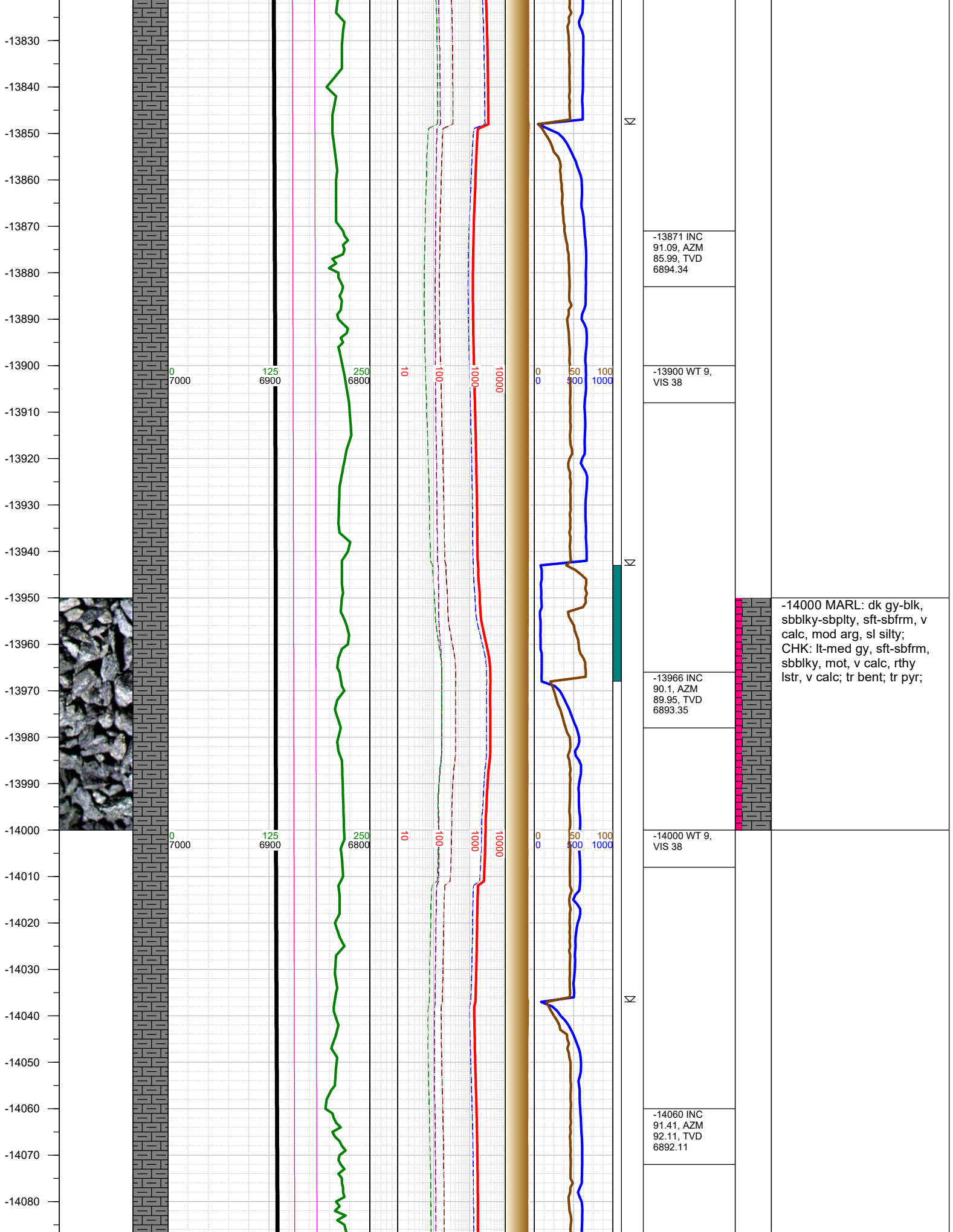




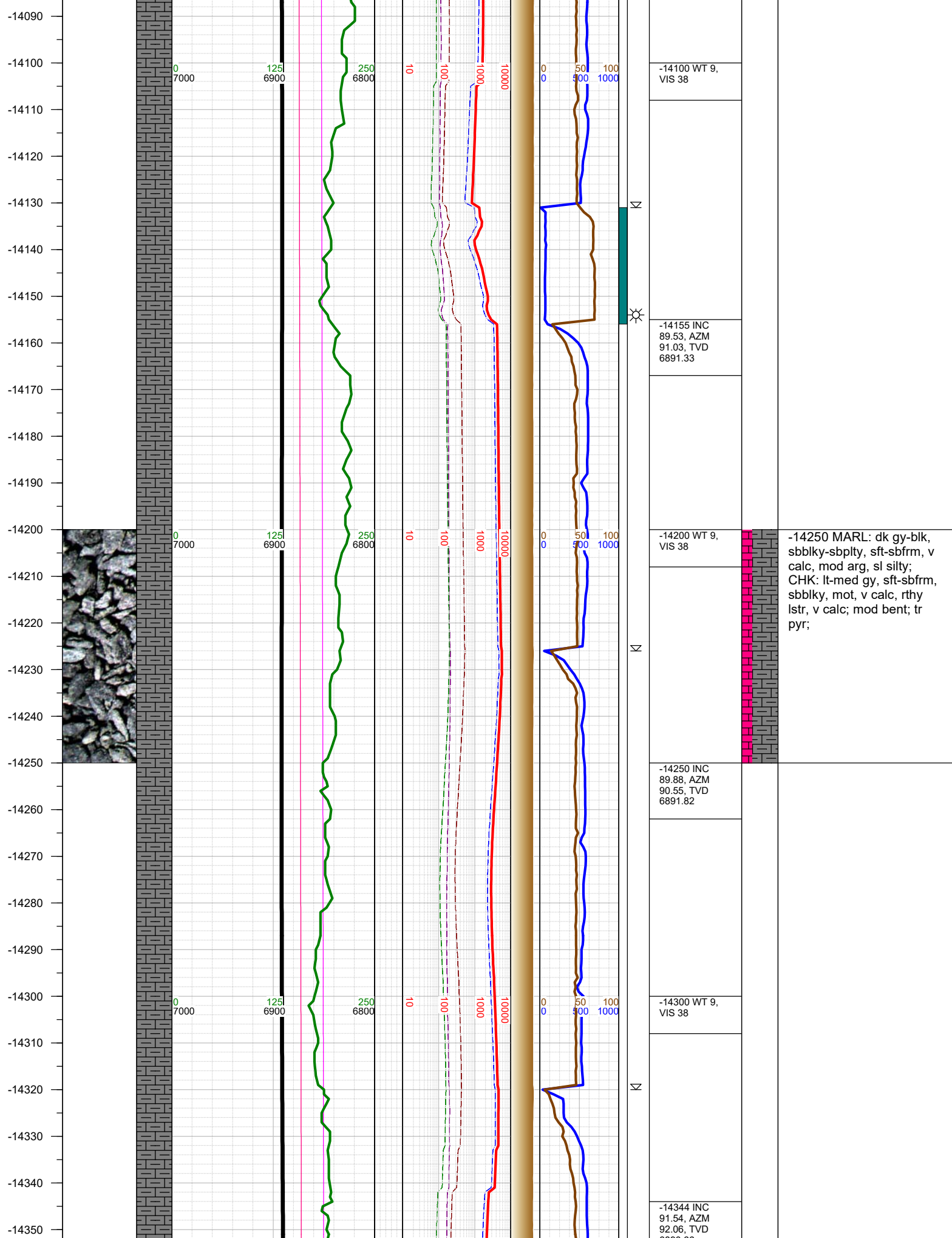


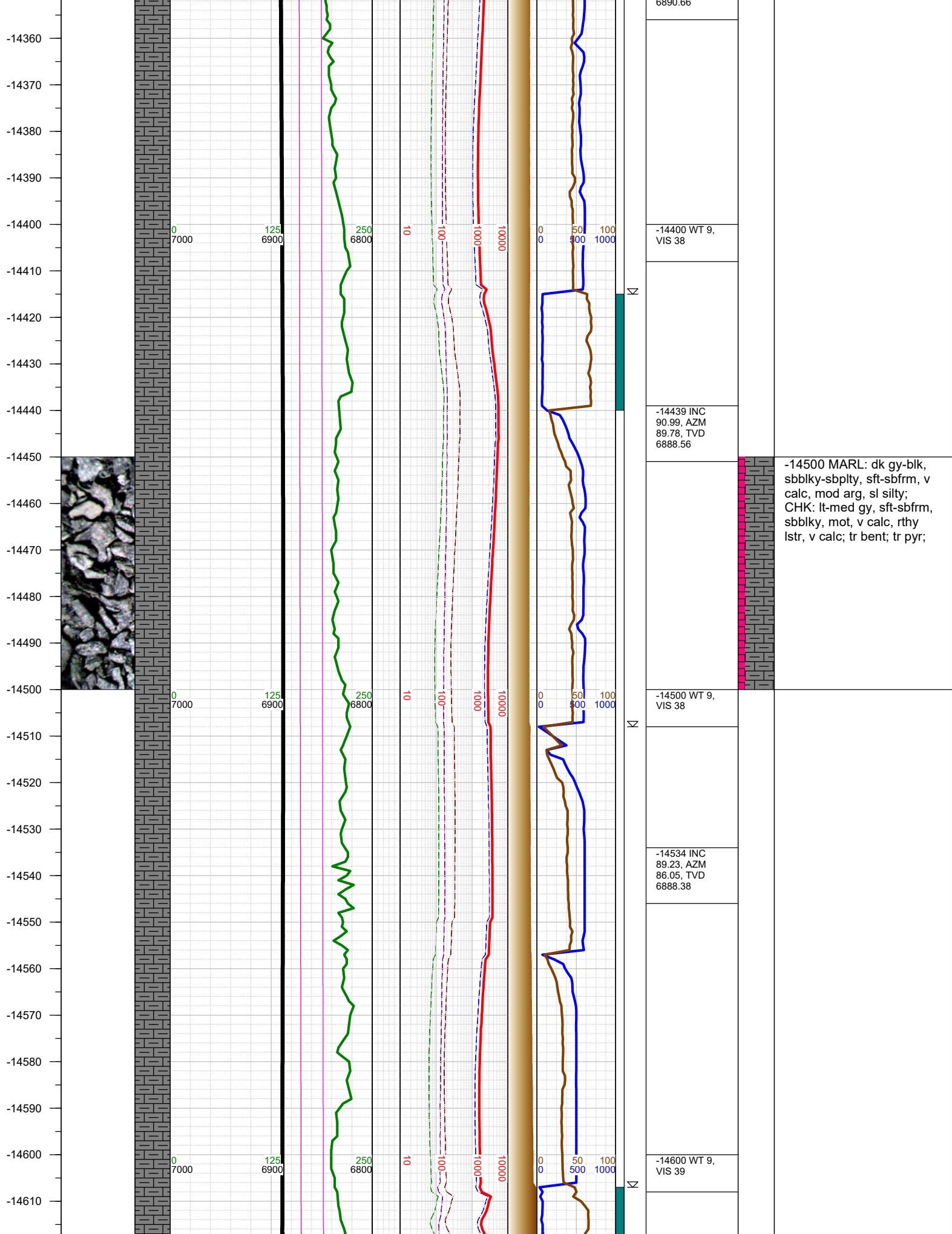


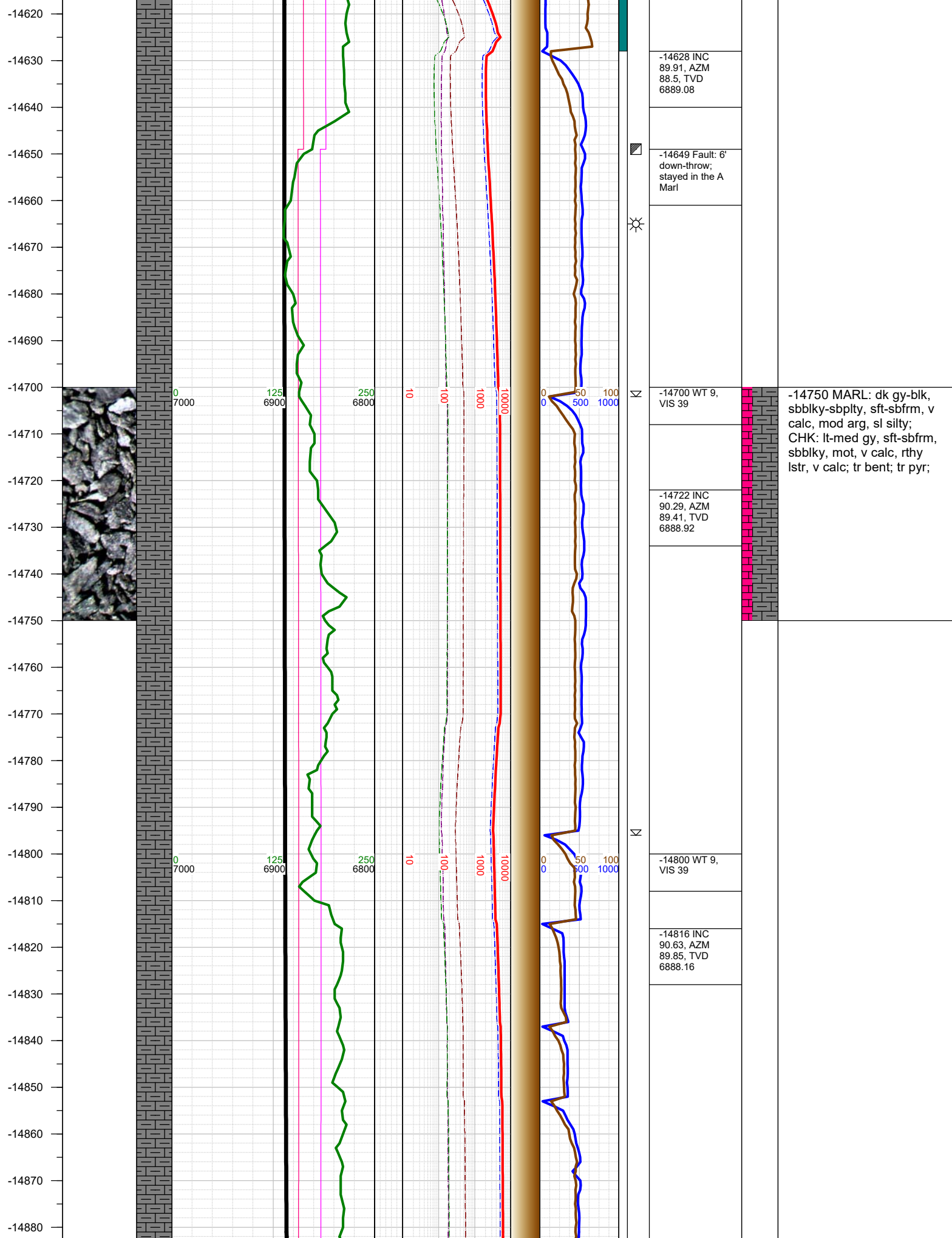




-14000 MARL: dk gy-blk, sbblky-sbpity, sft-sbfrm, v calc, mod arg, sl silty; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, v calc; tr bent; tr pyr;







-14890
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-15070
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-15130
-15140



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7000

125
6900

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6800

10

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100
1000

-14900 WT 8.9,
VIS 40

-14911 INC
91.87, AZM
90.26, TVD
6886.09

-15000 MARL: dk gy-blk,
sbbiky-sbply, sft-sbfrm, v
calc, mod arg, sl silty;
CHK: lt-med gy, sft-sbfrm,
sbbiky, mot, v calc, rthy
lstr, v calc; tr bent; tr pyr;

0
7000

125
6900

250
6800

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1000

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50
500

100
1000

-15005 INC
90.45, AZM
89.23, TVD
6884.19

-15020 WT 8.9,
VIS 40

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6800

10

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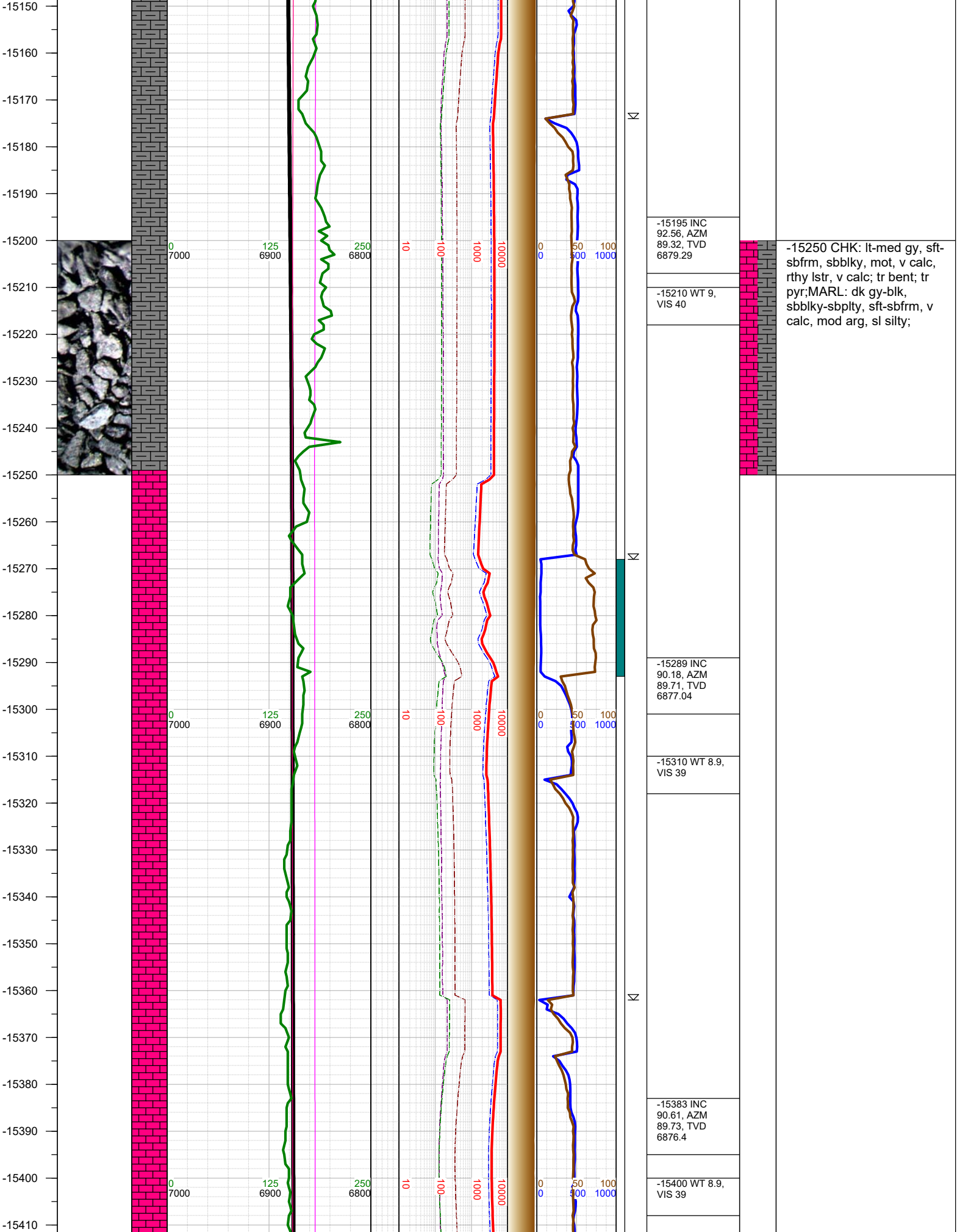
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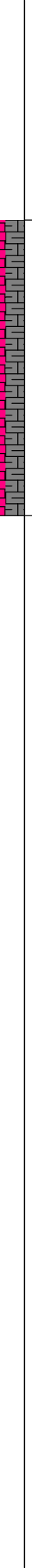
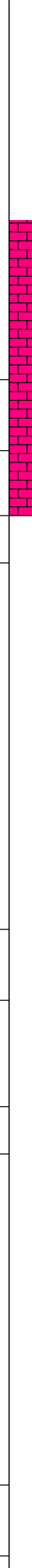
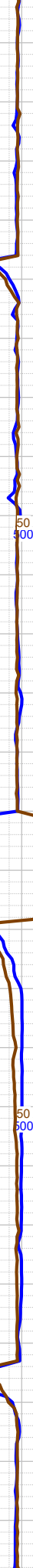
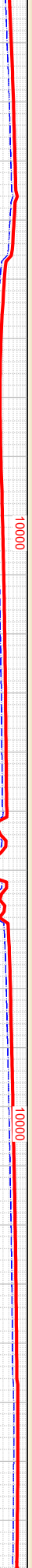
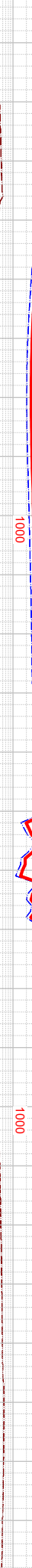
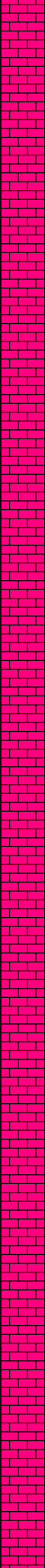
100
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-15100 INC
91.45, AZM
89.26, TVD
6882.61

-15120 WT 9,
VIS 40



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-15500
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-15620
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-15640
-15650
-15660
-15670



-15500 CHK: lt-med gy,
sme dk gy, sft-sbfrm,
sbbiky, mot, rthy lstr, v
calc; MARL: med gy-dk gy,
sme gy brn, sbbiky-sbply,
sft-sbfrm, mod arg, sl silty,
tr pyr, tr forams, mod bent,
v calc;

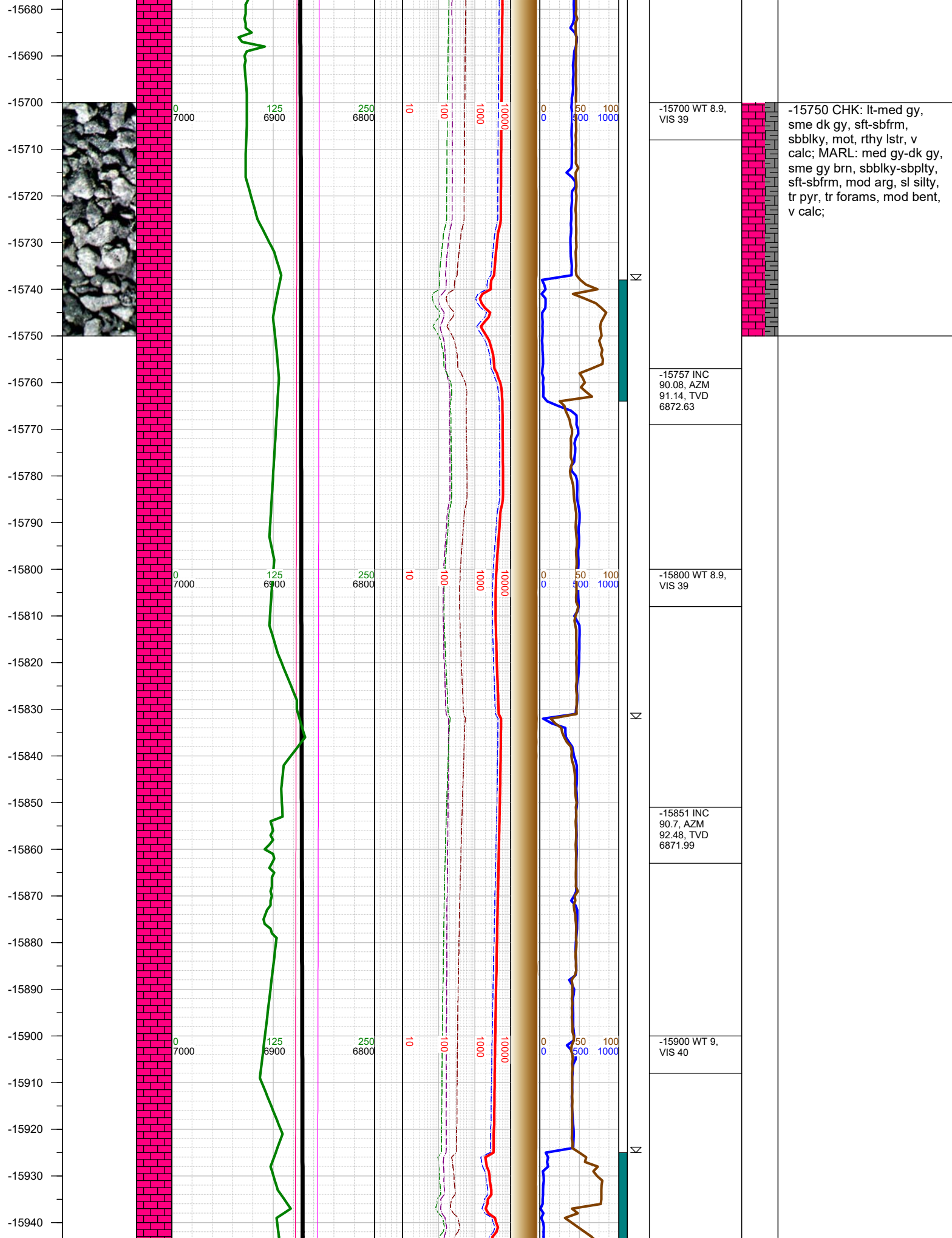
-15477 INC 91,
AZM 89.6, TVD
6875.07

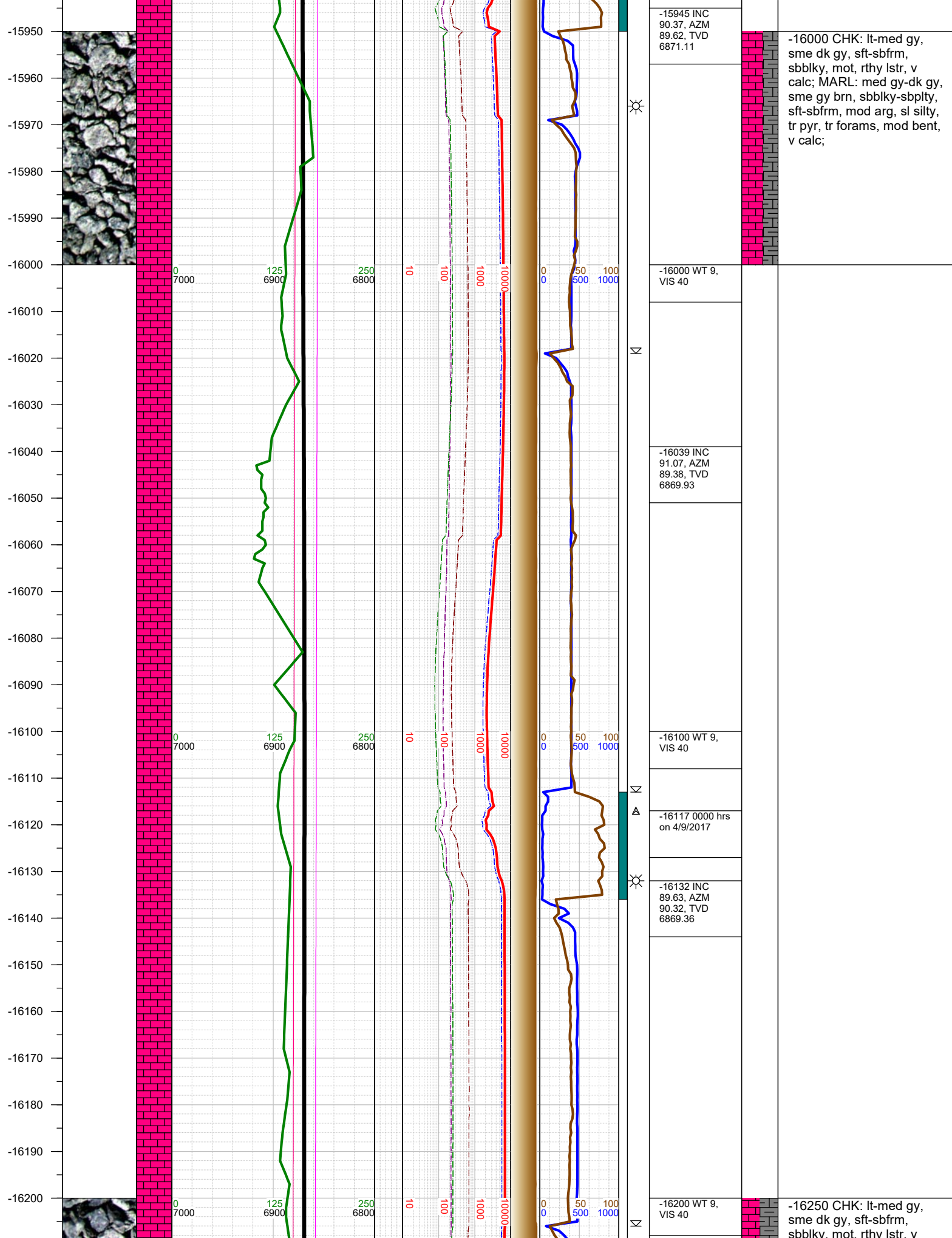
-15500 WT 8.8,
VIS 39

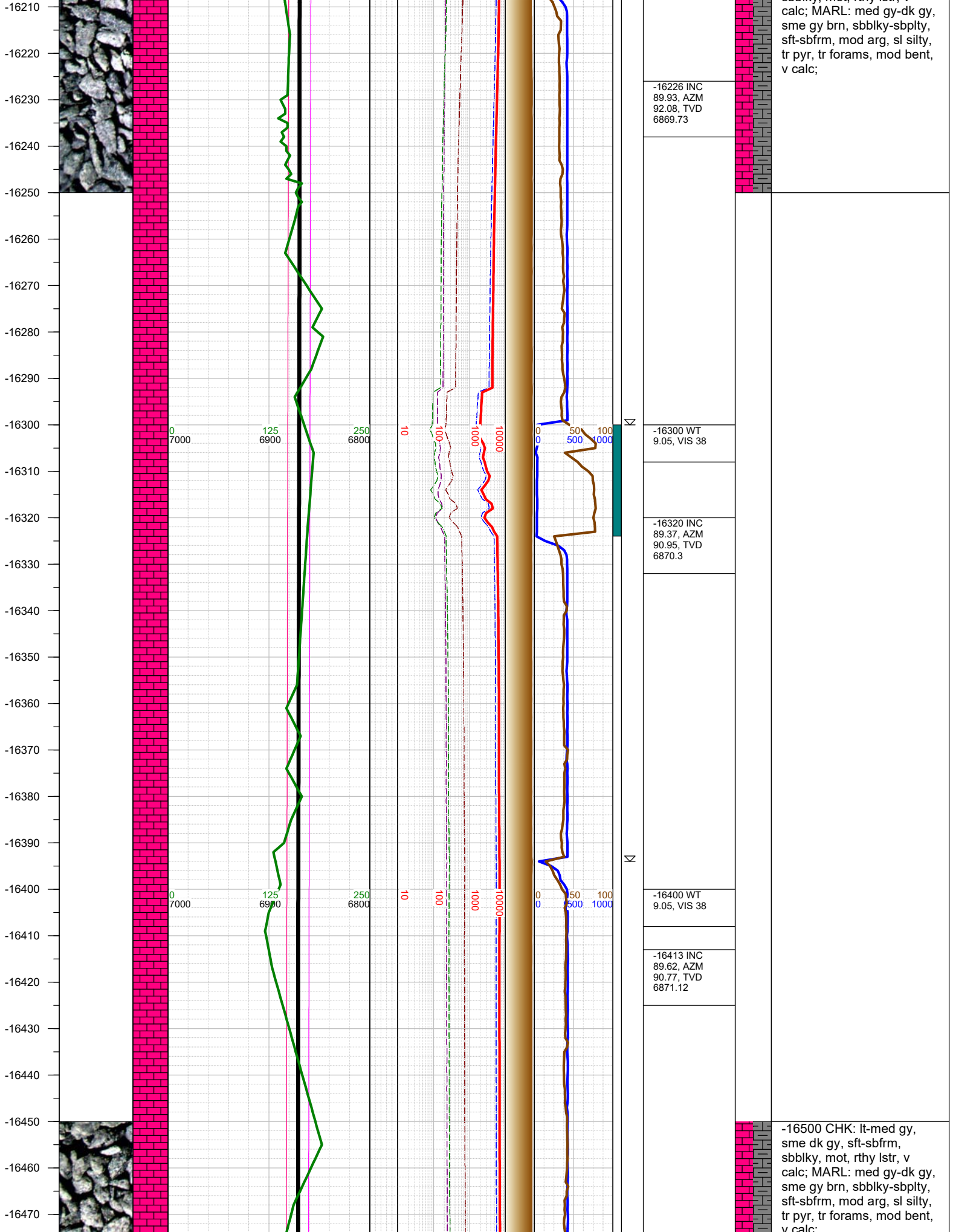
-15570 INC
89.54, AZM 90,
TVD 6874.64

-15600 WT 8.8,
VIS 39

-15664 INC
91.42, AZM
90.66, TVD
6873.85







-16226 INC
89.93, AZM
92.08, TVD
6869.73

-16300 WT
9.05, VIS 38

-16320 INC
89.37, AZM
90.95, TVD
6870.3

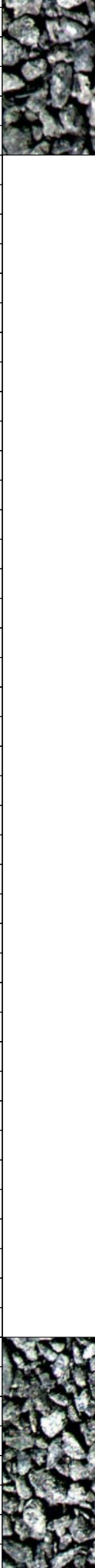
-16400 WT
9.05, VIS 38

-16413 INC
89.62, AZM
90.77, TVD
6871.12

calc; MARL: med gy-dk gy,
sme gy brn, sbblky-sbply,
sft-sbfrm, mod arg, sl silty,
tr pyr, tr forams, mod bent,
v calc;

-16500 CHK: lt-med gy,
sme dk gy, sft-sbfrm,
sbblky, mot, rthy lstr, v
calc; MARL: med gy-dk gy,
sme gy brn, sbblky-sbply,
sft-sbfrm, mod arg, sl silty,
tr pyr, tr forams, mod bent,
v calc;

-16480
-16490
-16500
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-16720
-16730



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125
6900

250
6800

10

100

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10000

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-16507 INC
90.98, AZM
91.92, TVD
6870.63

-16520 WT
9.05, VIS 38

-16600 INC
89.48, AZM
91.26, TVD
6870.25

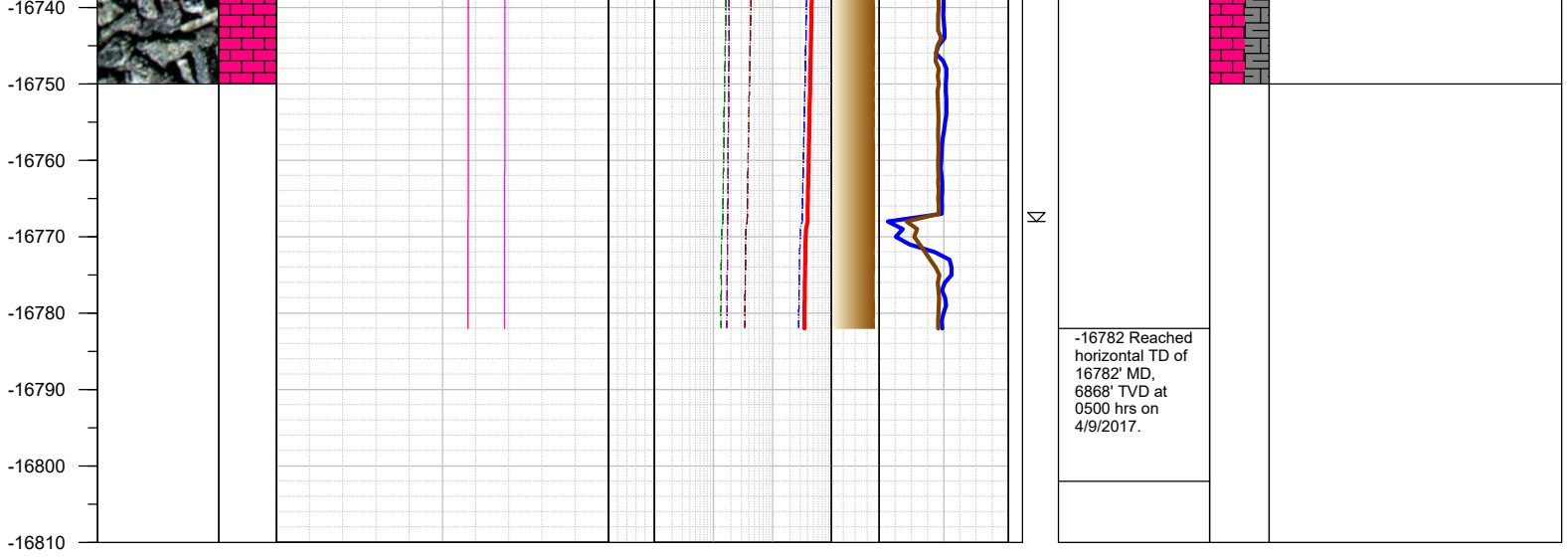
-16620 WT 9.1,
VIS 39

-16700 WT 9.1,
VIS 39

-16709 INC
91.22, AZM
92.37, TVD
6869.59

v calc;

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



TOTAL DEPTH = 16782'

Thank you for using Earth Science Agency