

OPERATOR: **Extraction Oil & Gas**
WELL NAME: **Coyote Trails 34S-20-16N**

FIELD NAME: DJ Basin - Wattenberg
DRILLING RIG: Patterson 901
API #: 05-123-45990

LAT/LONG: 40.017973, -105.006317
SURFACE HOLE: SWSE S28-T1N-R68W, 1144' FSL, 2031' FEL
BOTTOM HOLE: S3-T1S-R68W, 150' FSL, 1997' FWL

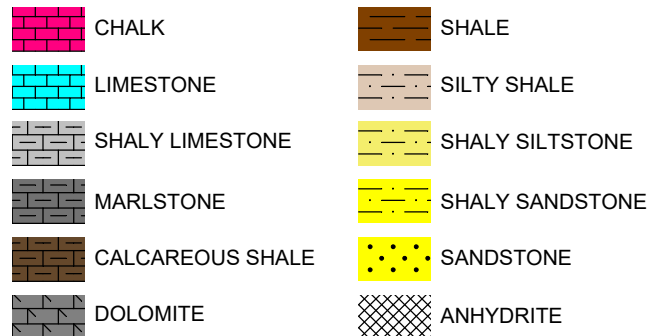


Earth Science Agency, LLC

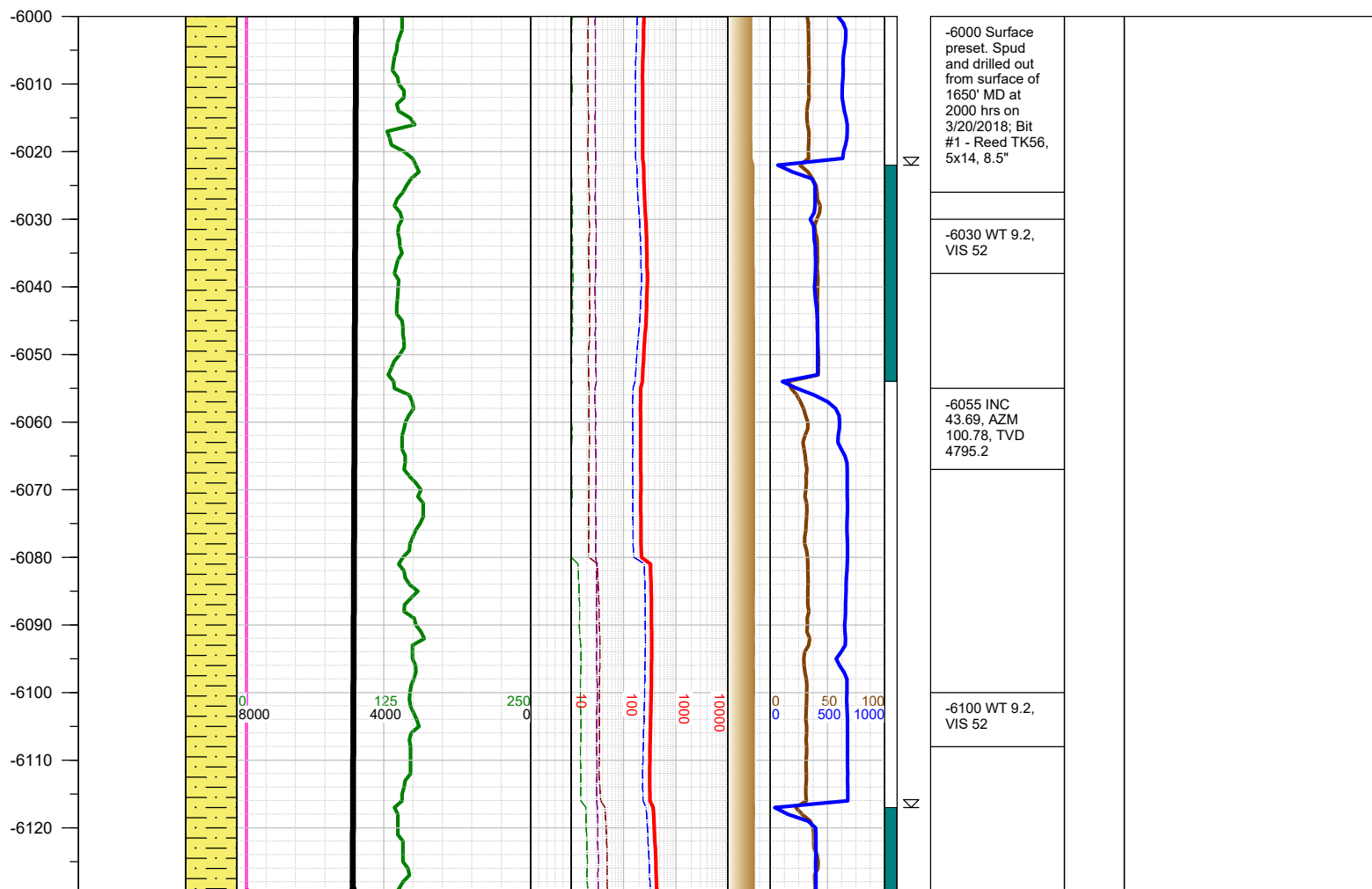
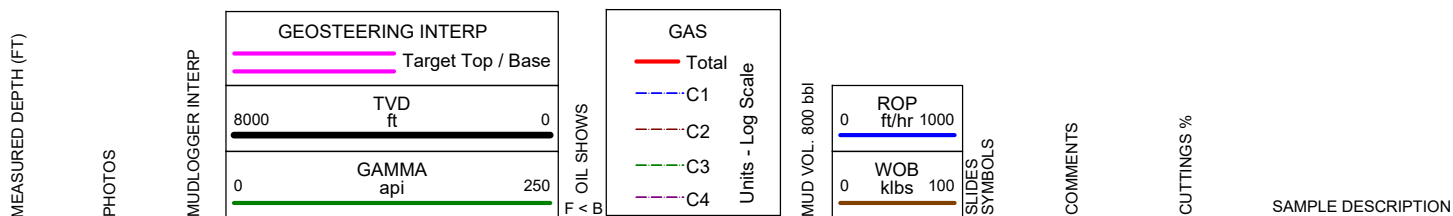
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 5274'
KELLY BUSHING: 5303'
DRILLING FLUID: OBM
TVD VS. MD: 7772' / 19307'
SPUD DATE: March 20, 2018
TD DATE: March 25, 2018

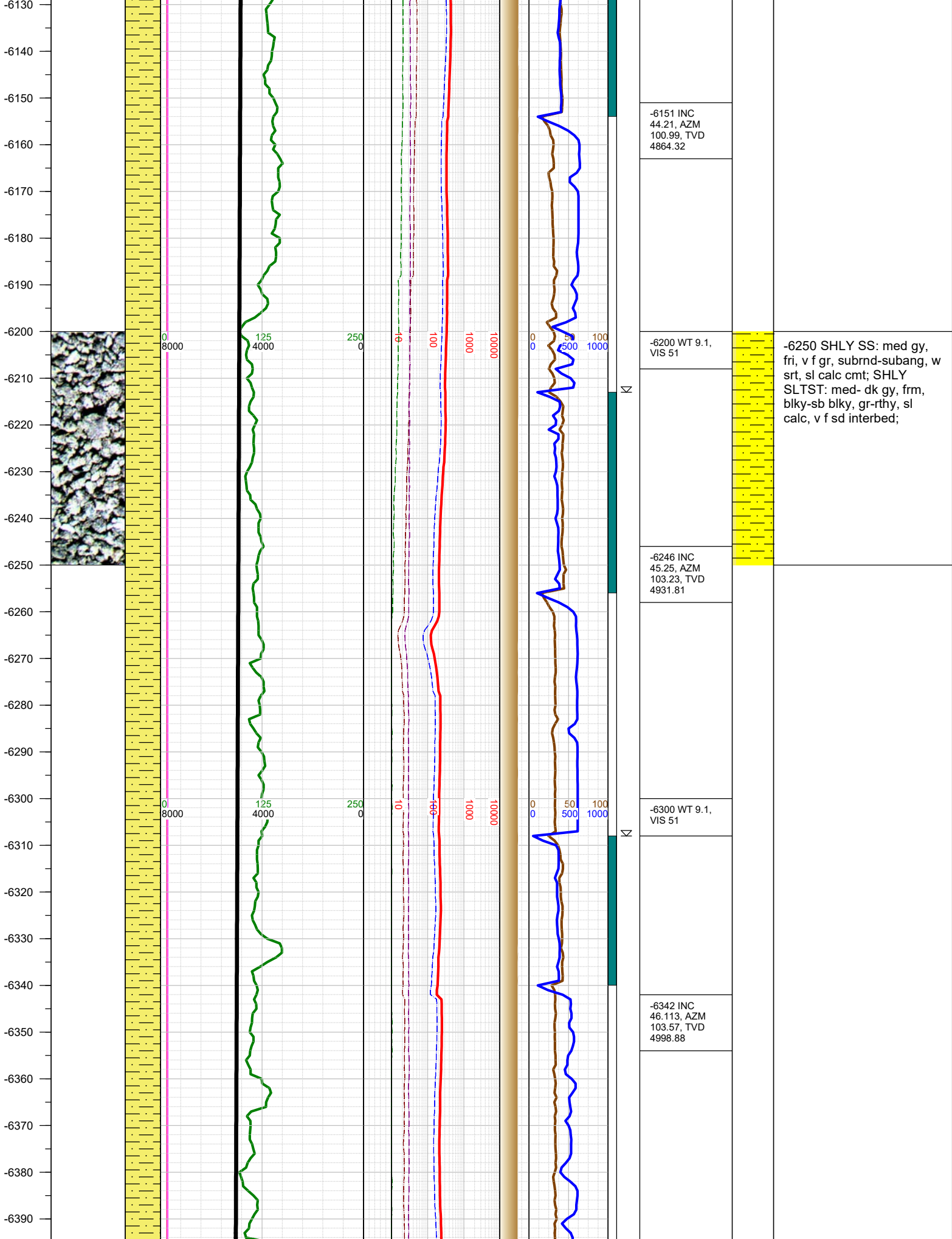
DEPTHS LOGGED: 6000' - 19307'
DATES LOGGED: March 21, 2018 - March 25, 2018
GEOLOGISTS: Dominic Pitre, Dan Jacobs
SCALE: 5" = 100'

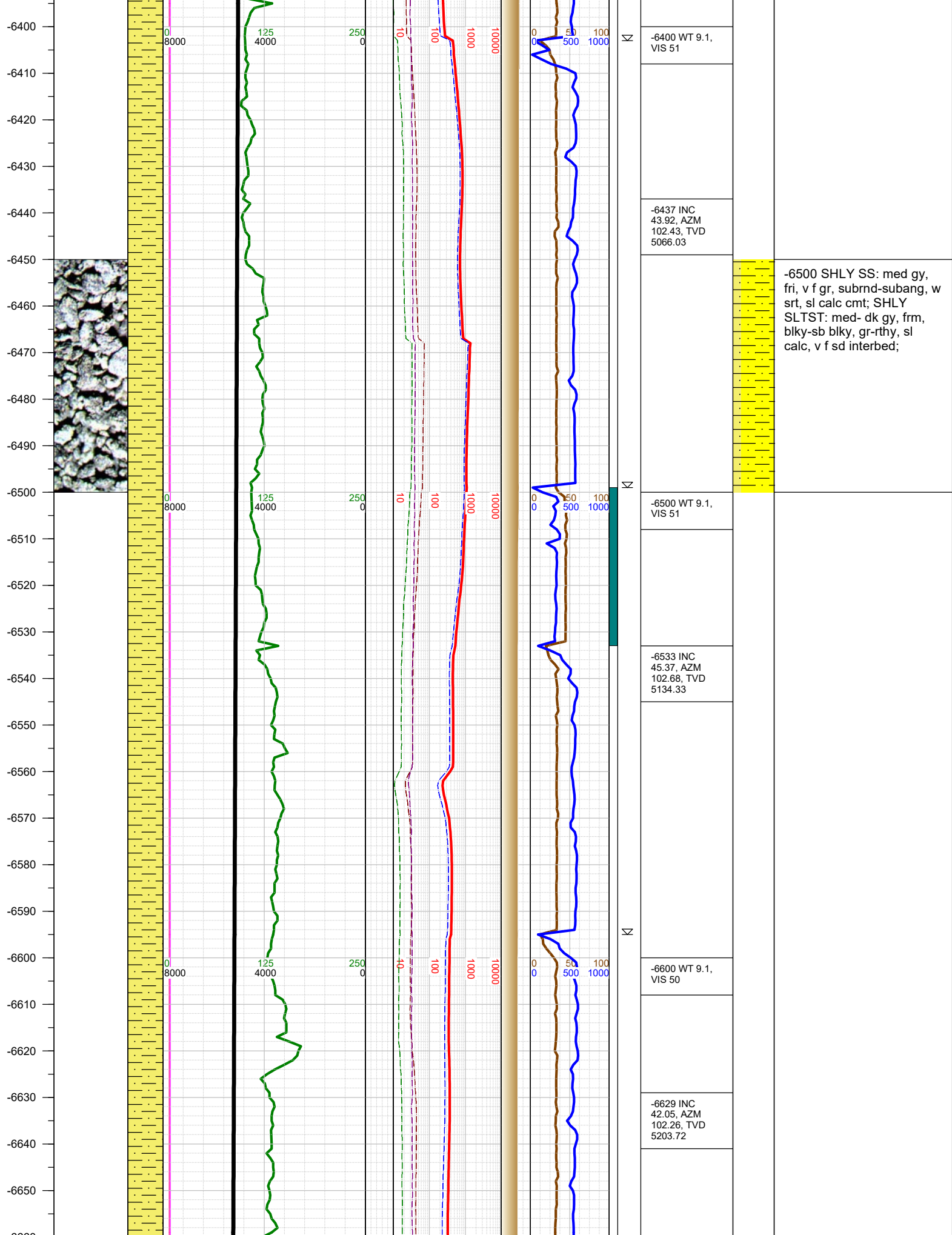
LEGEND

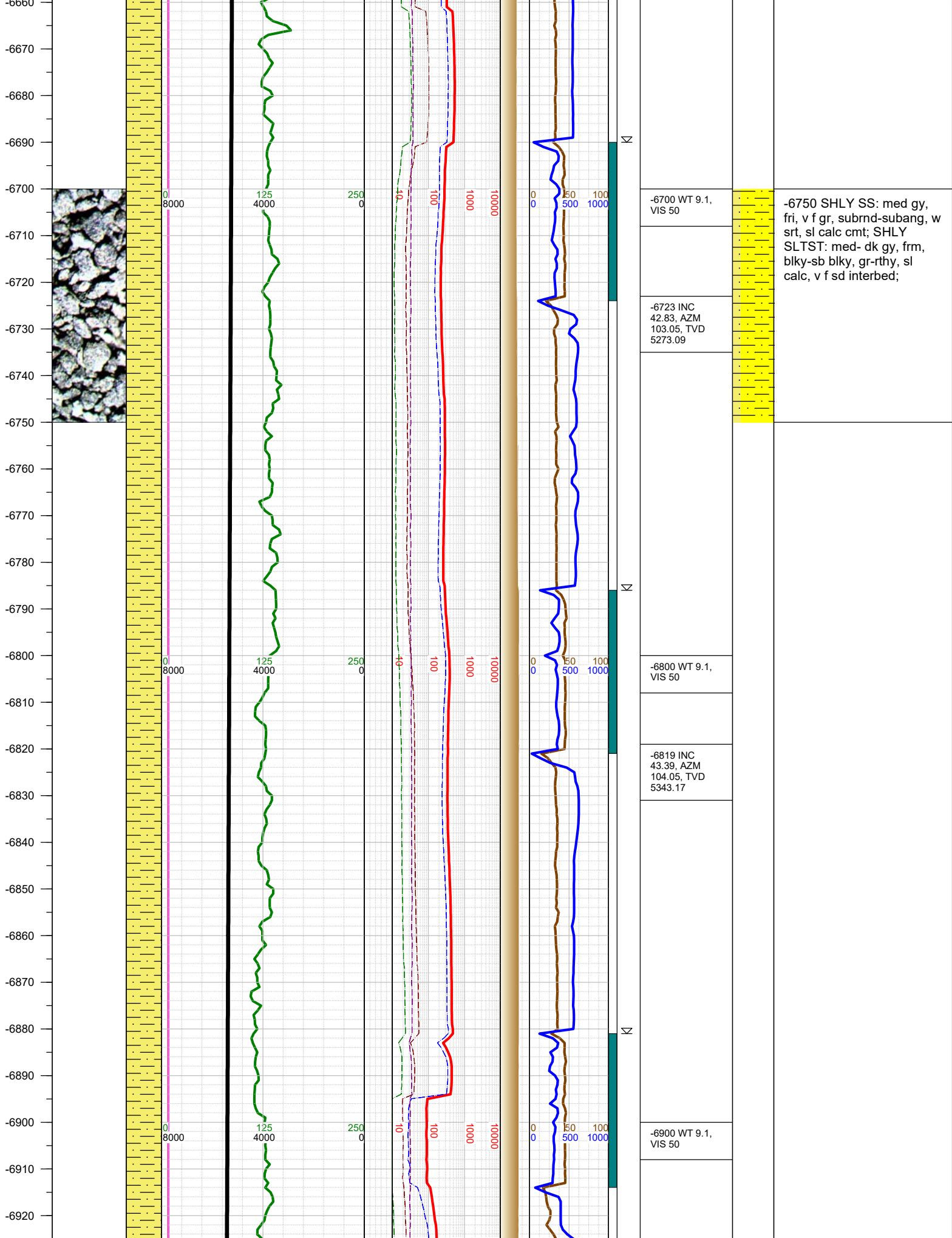


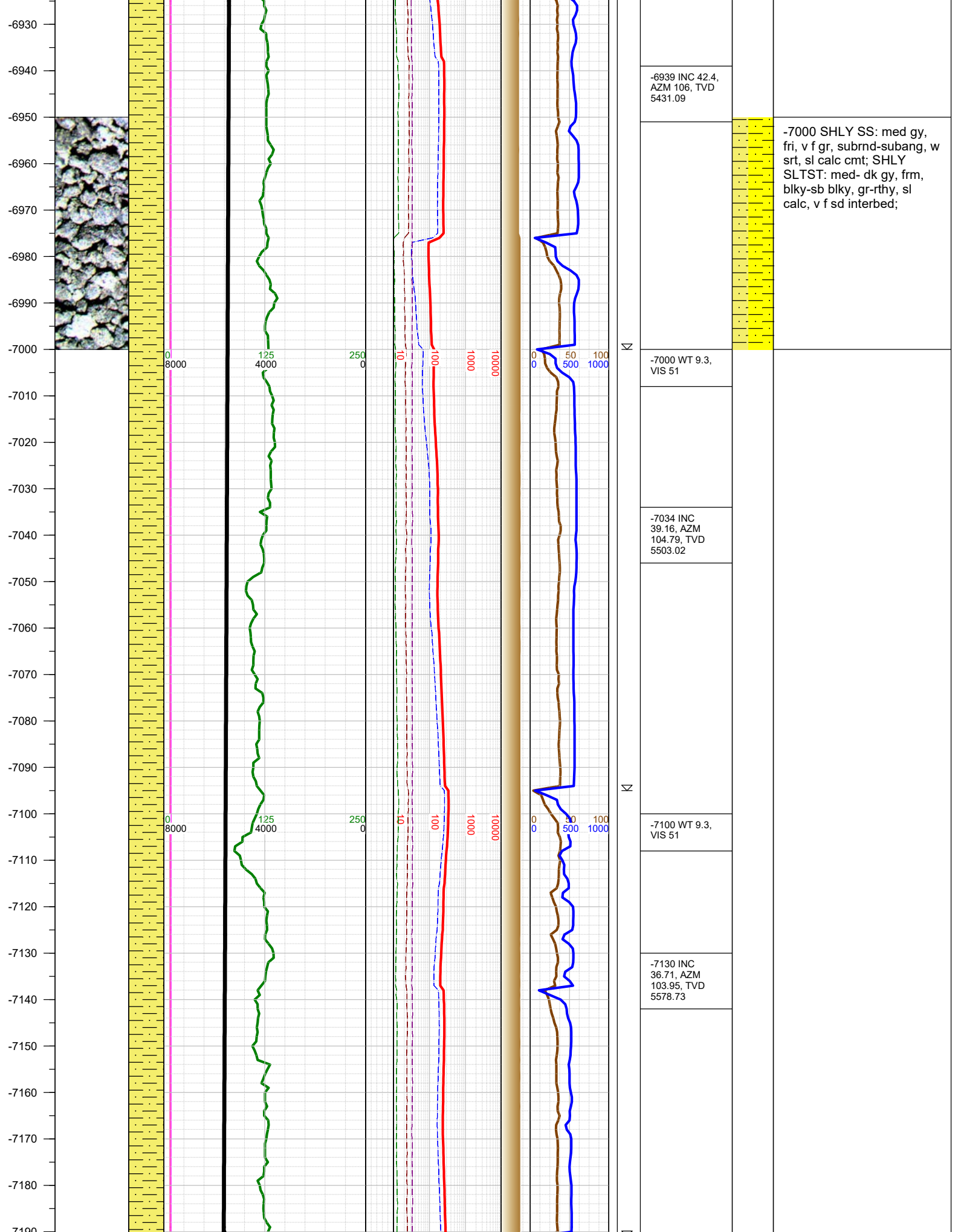
FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

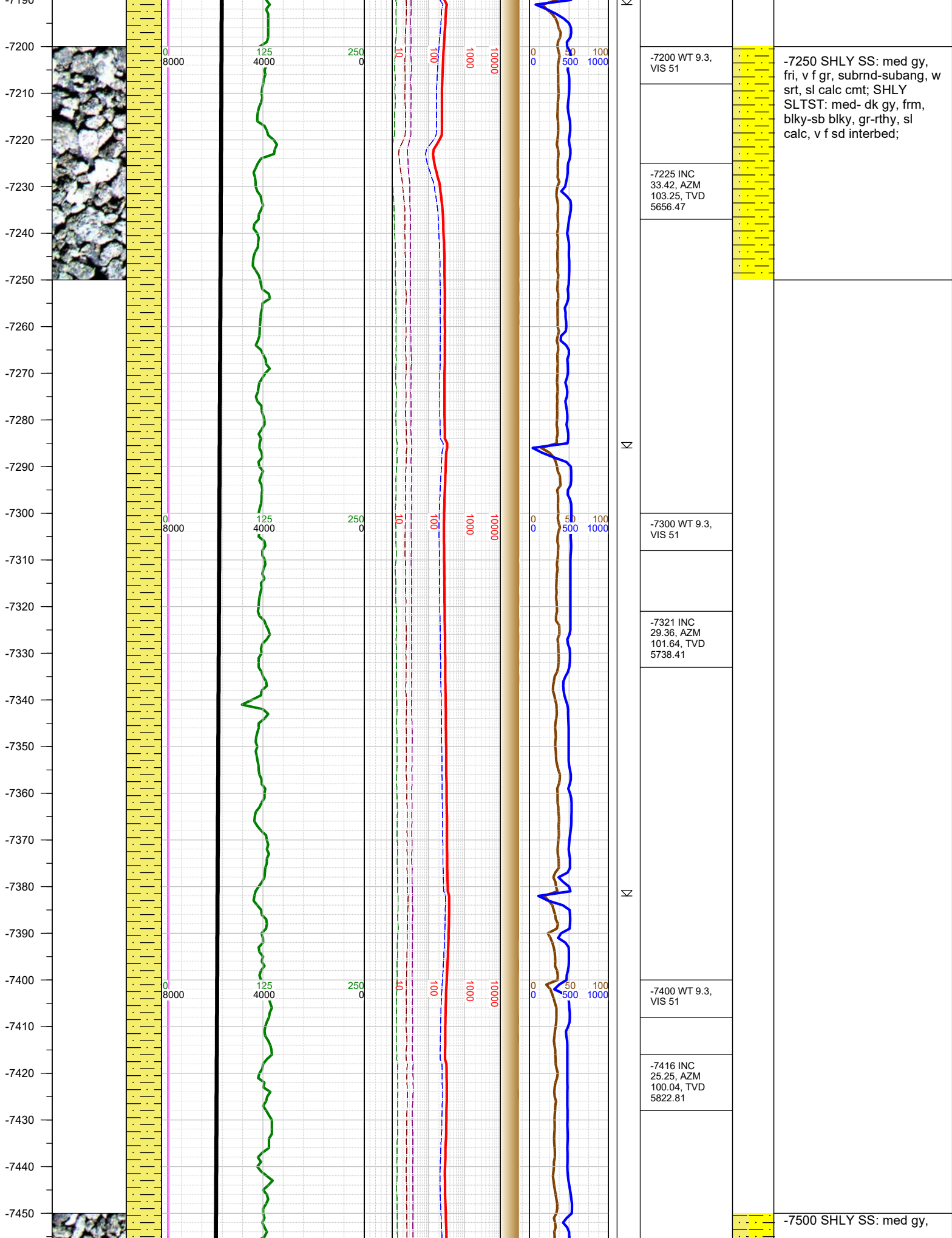


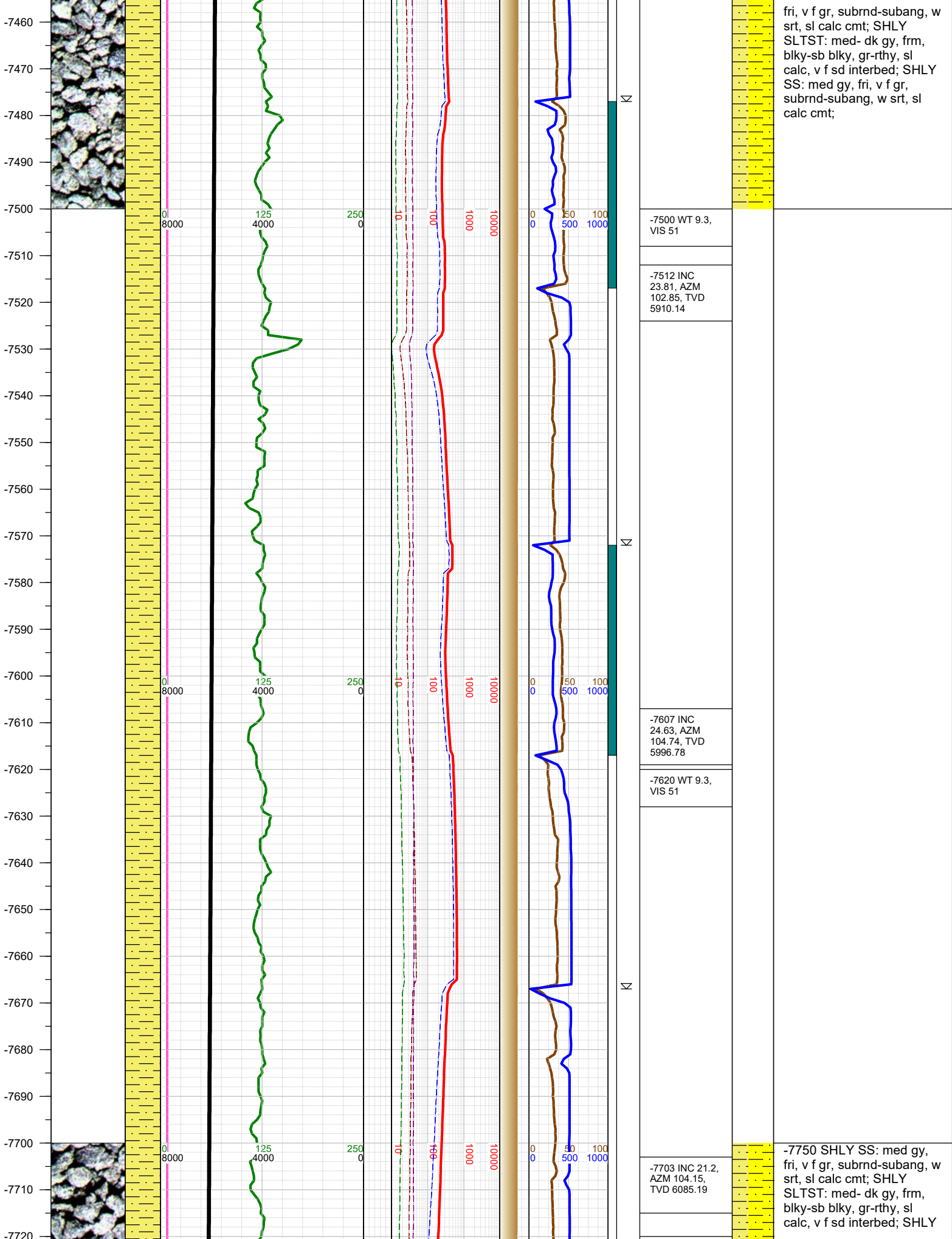


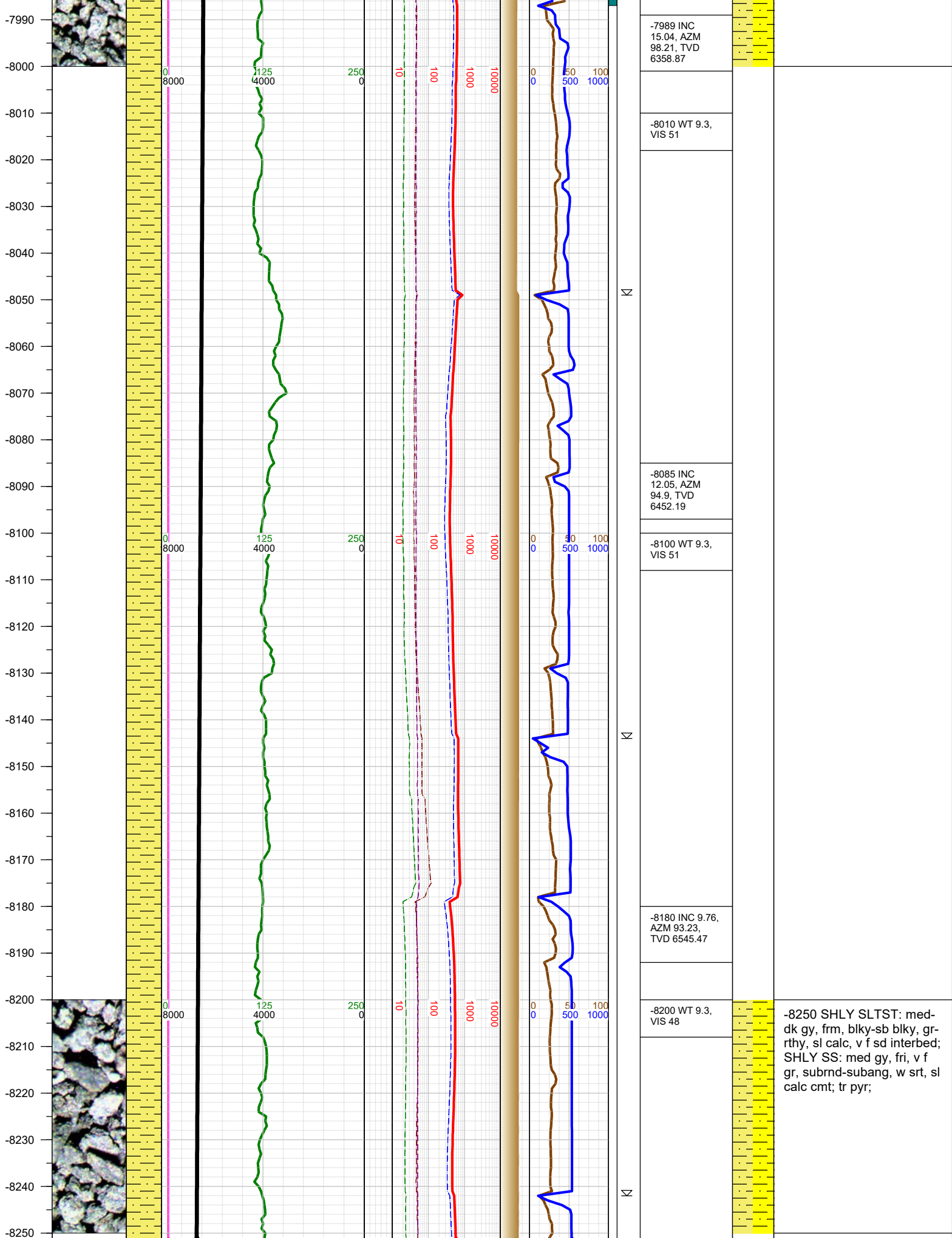


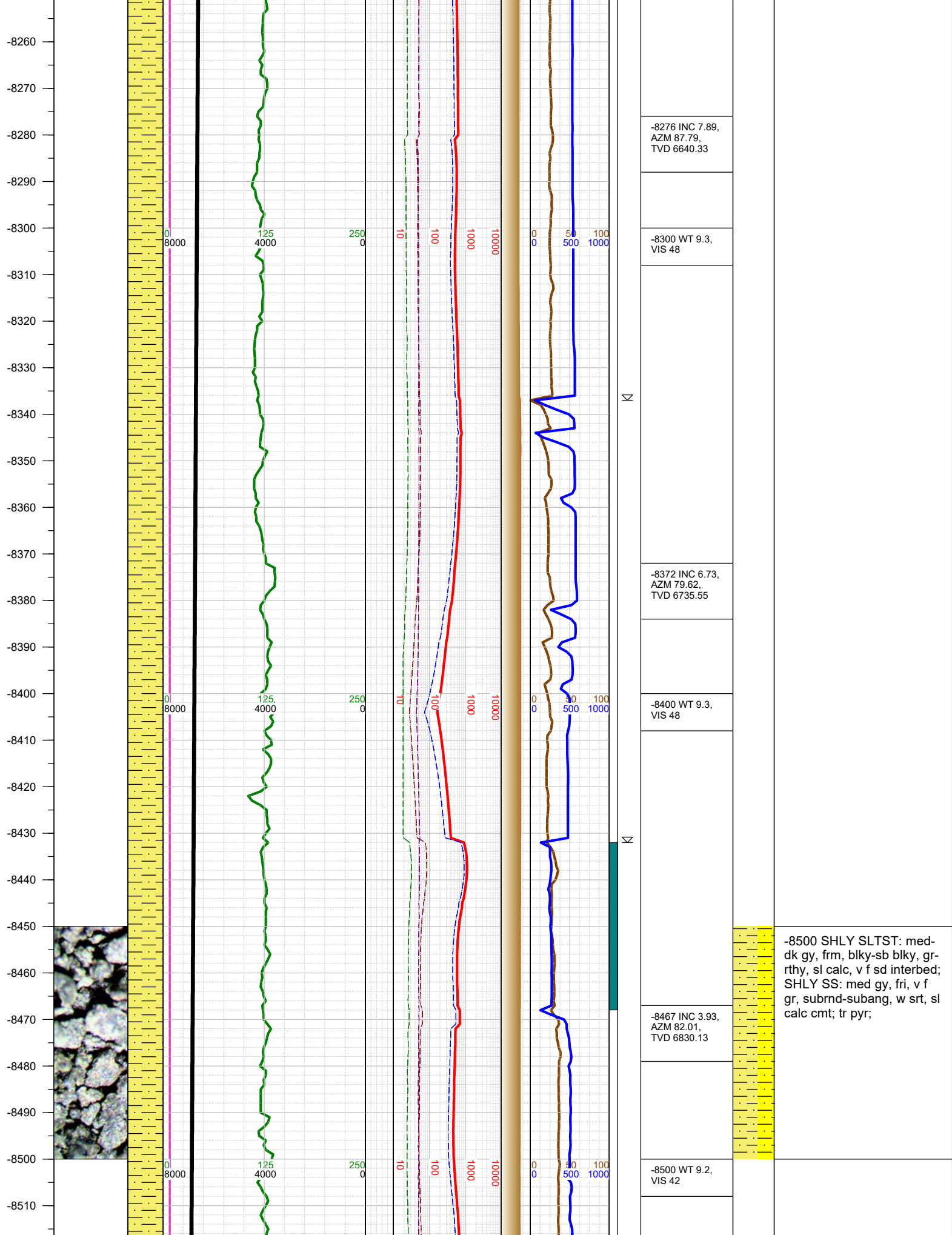


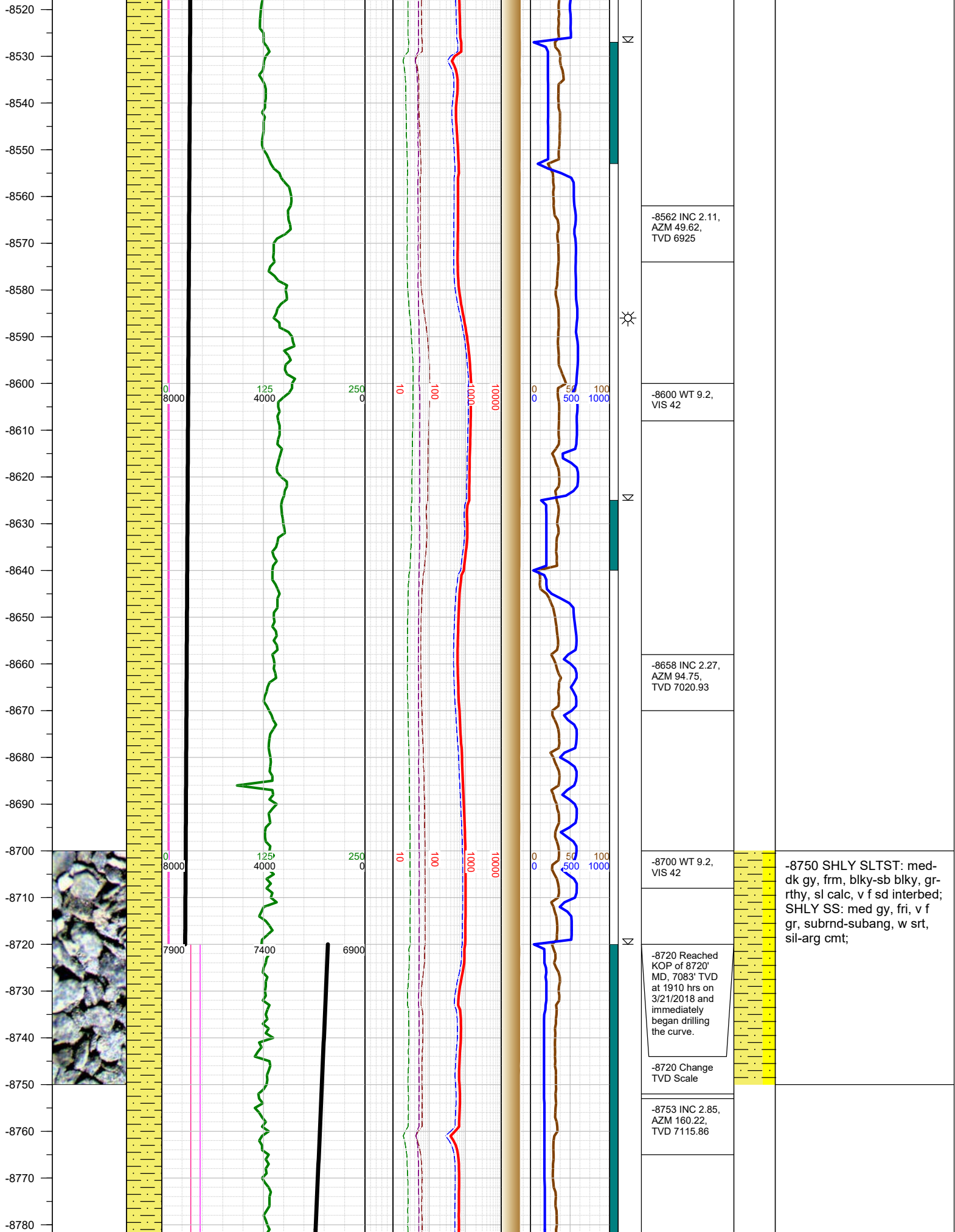


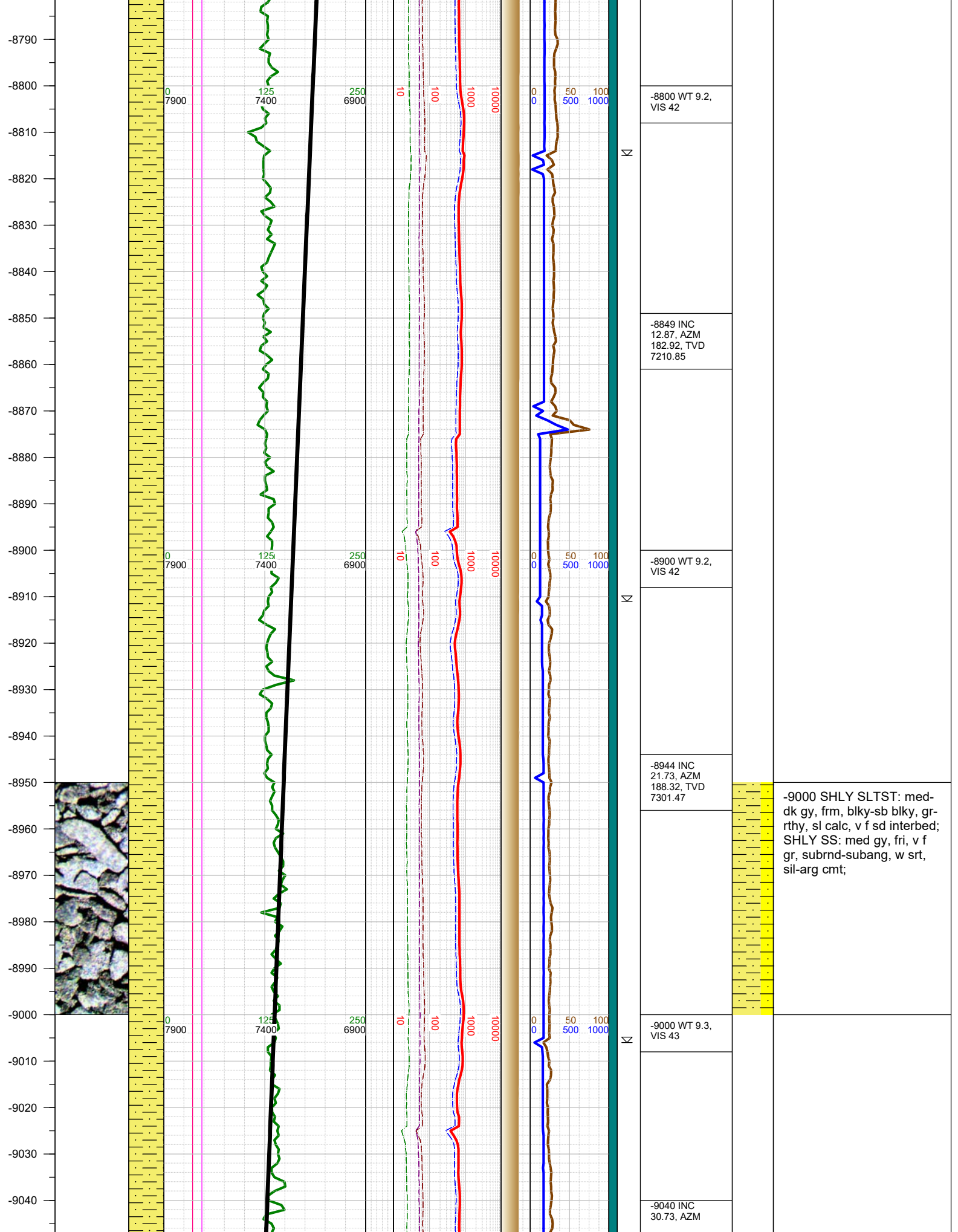


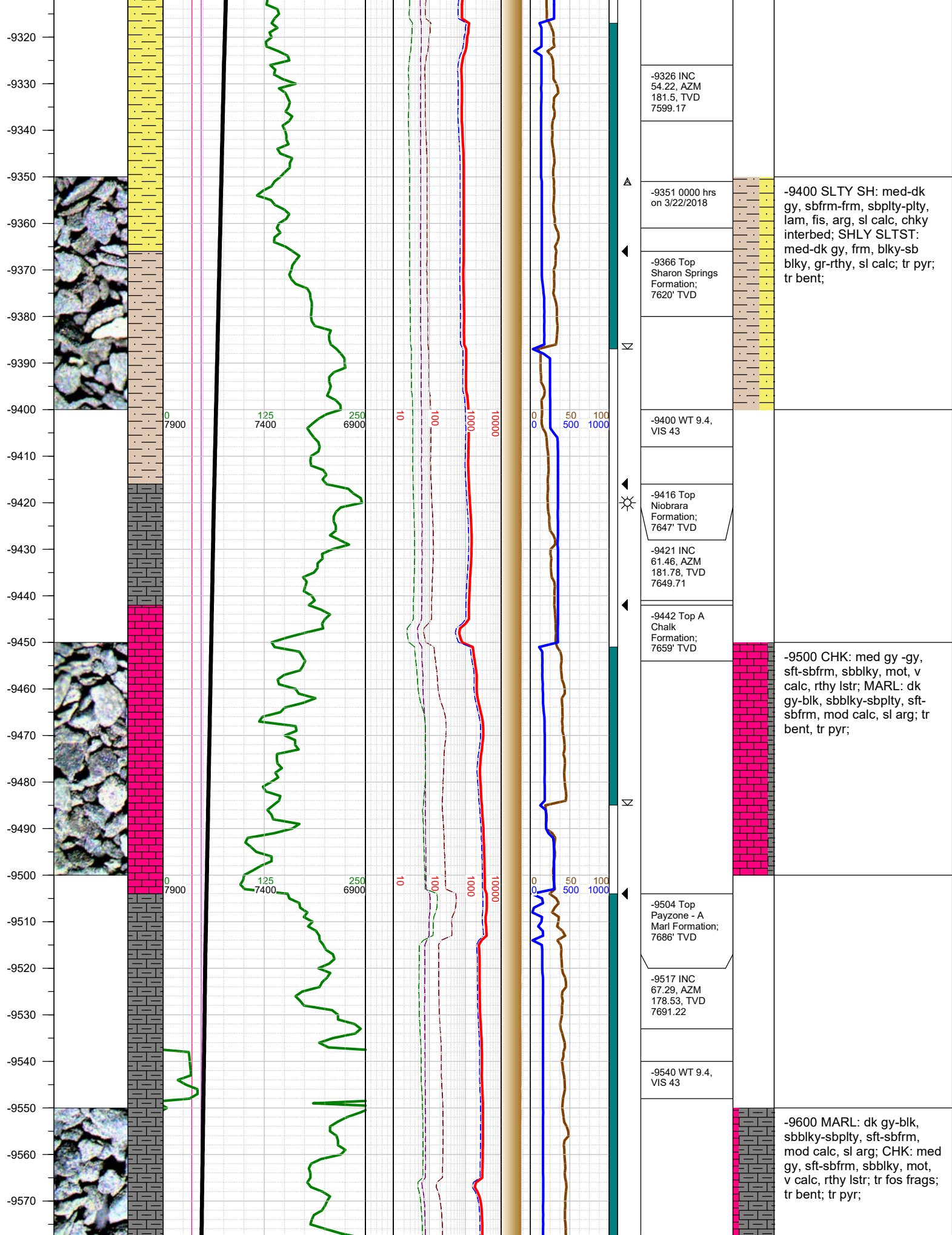


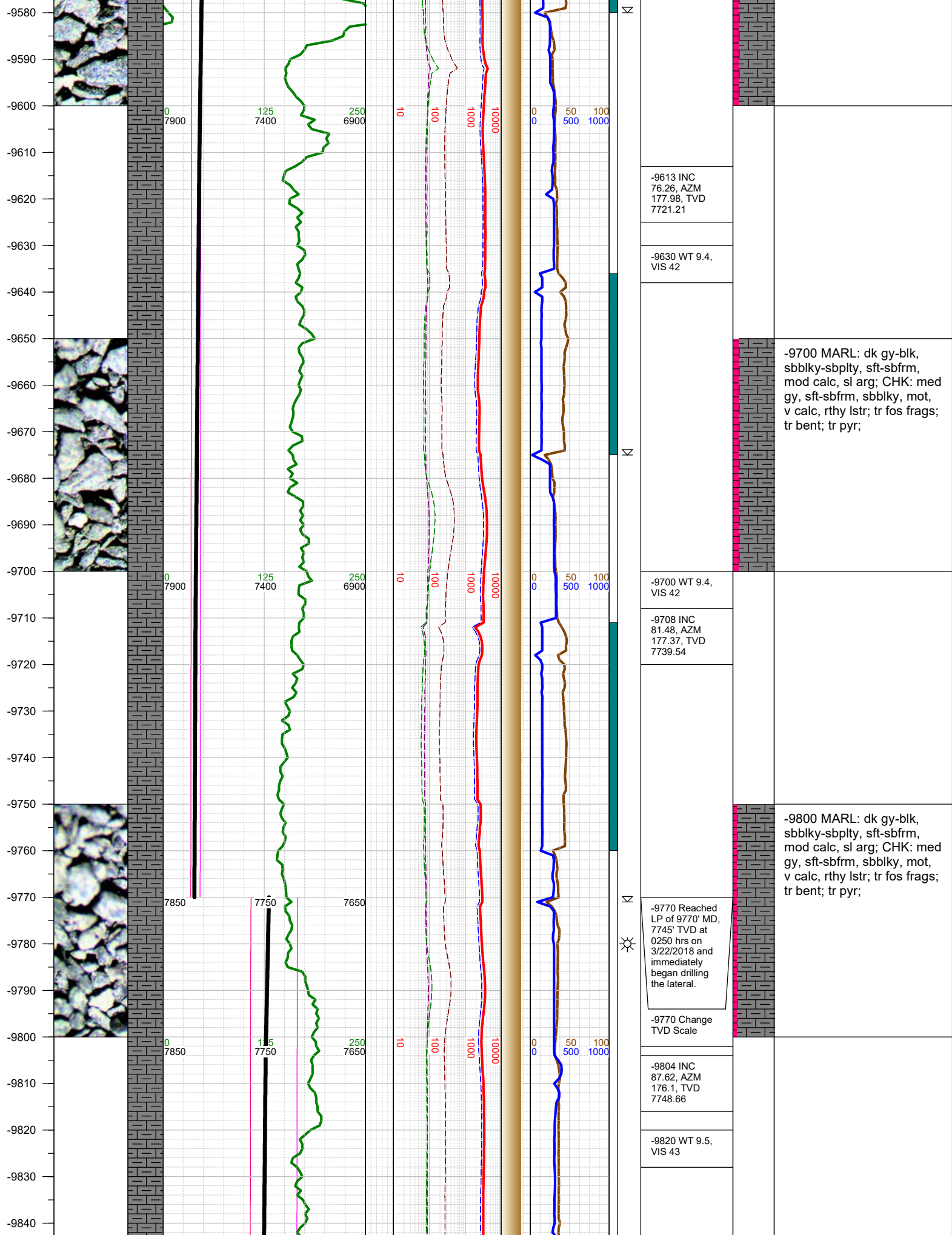


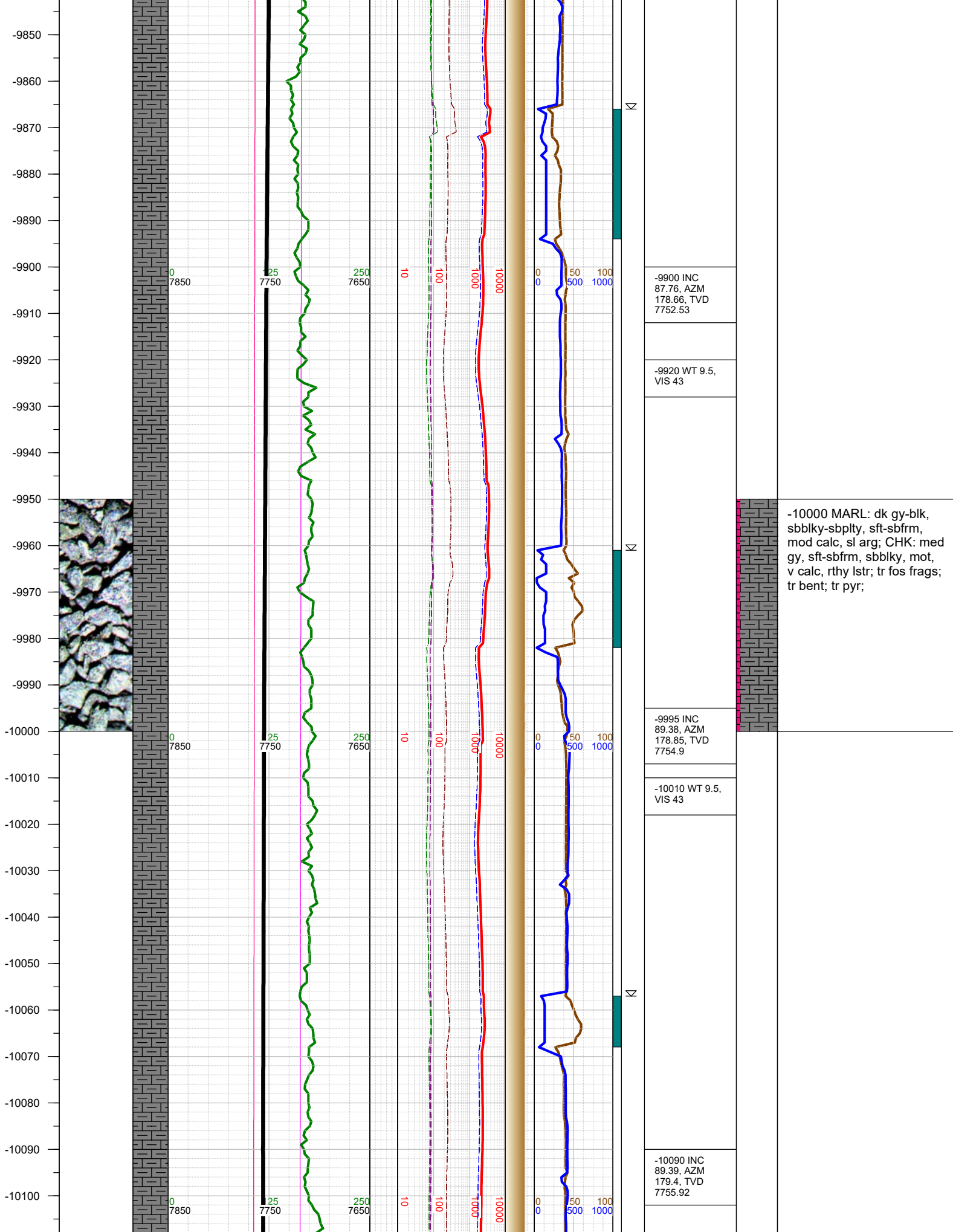


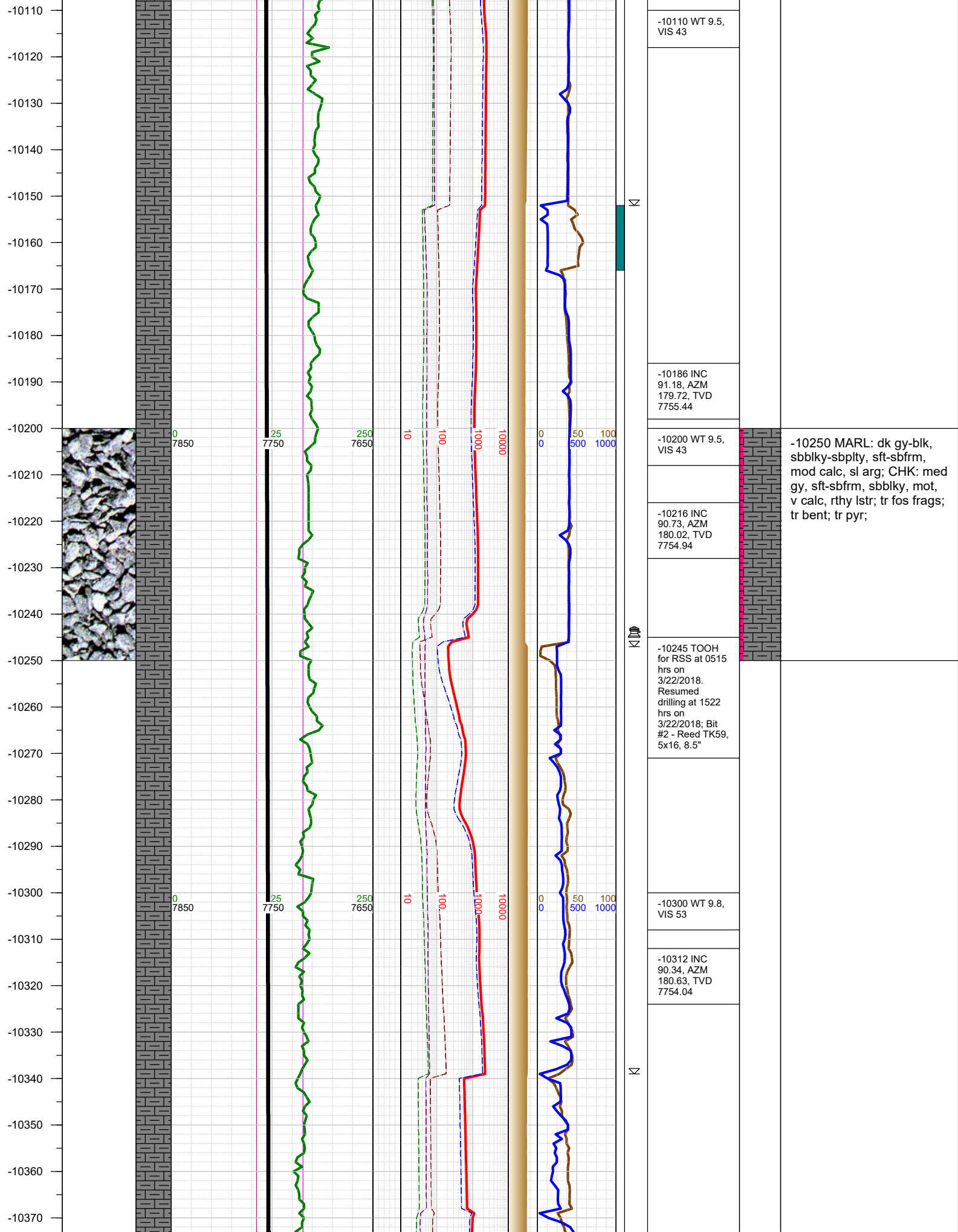


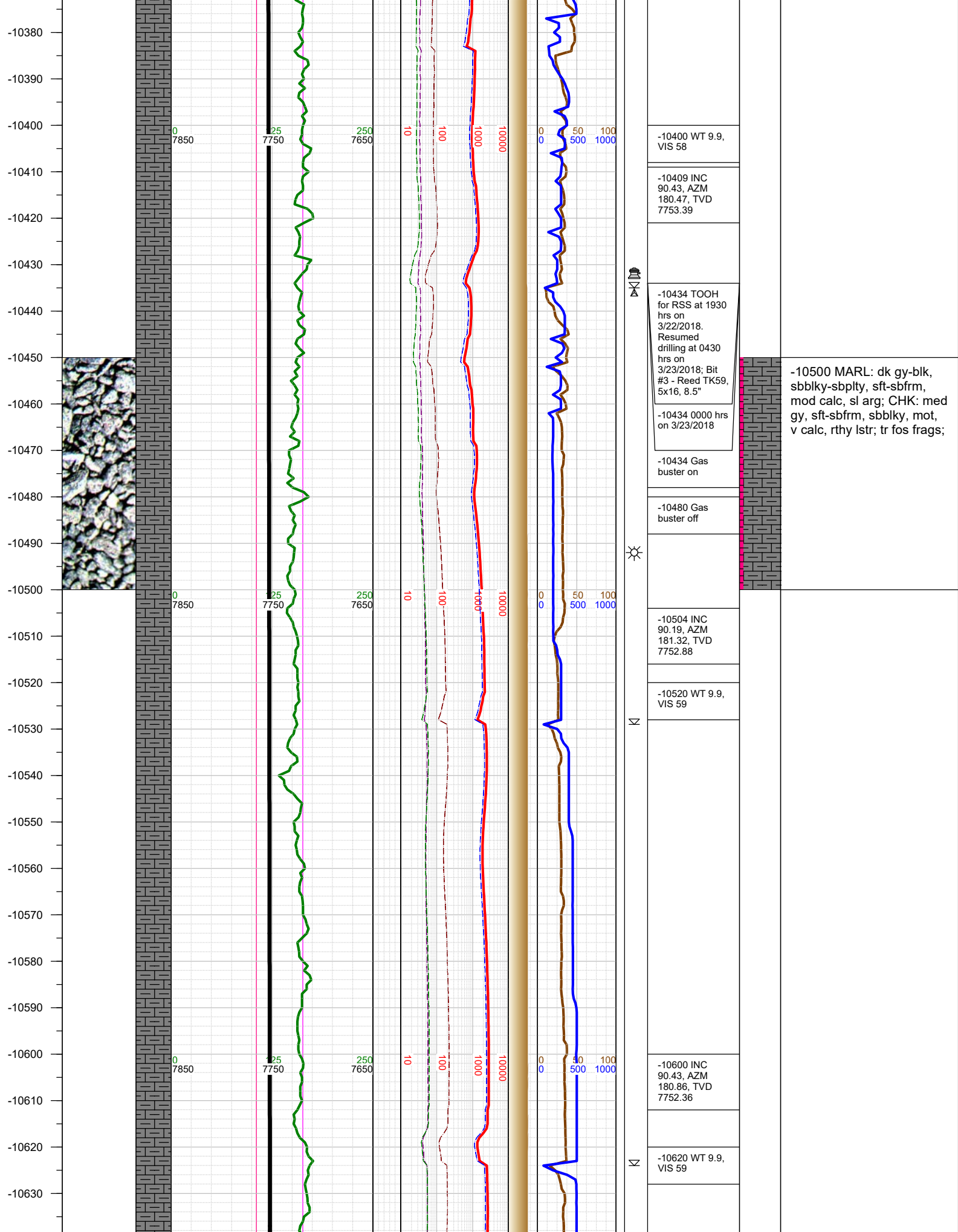


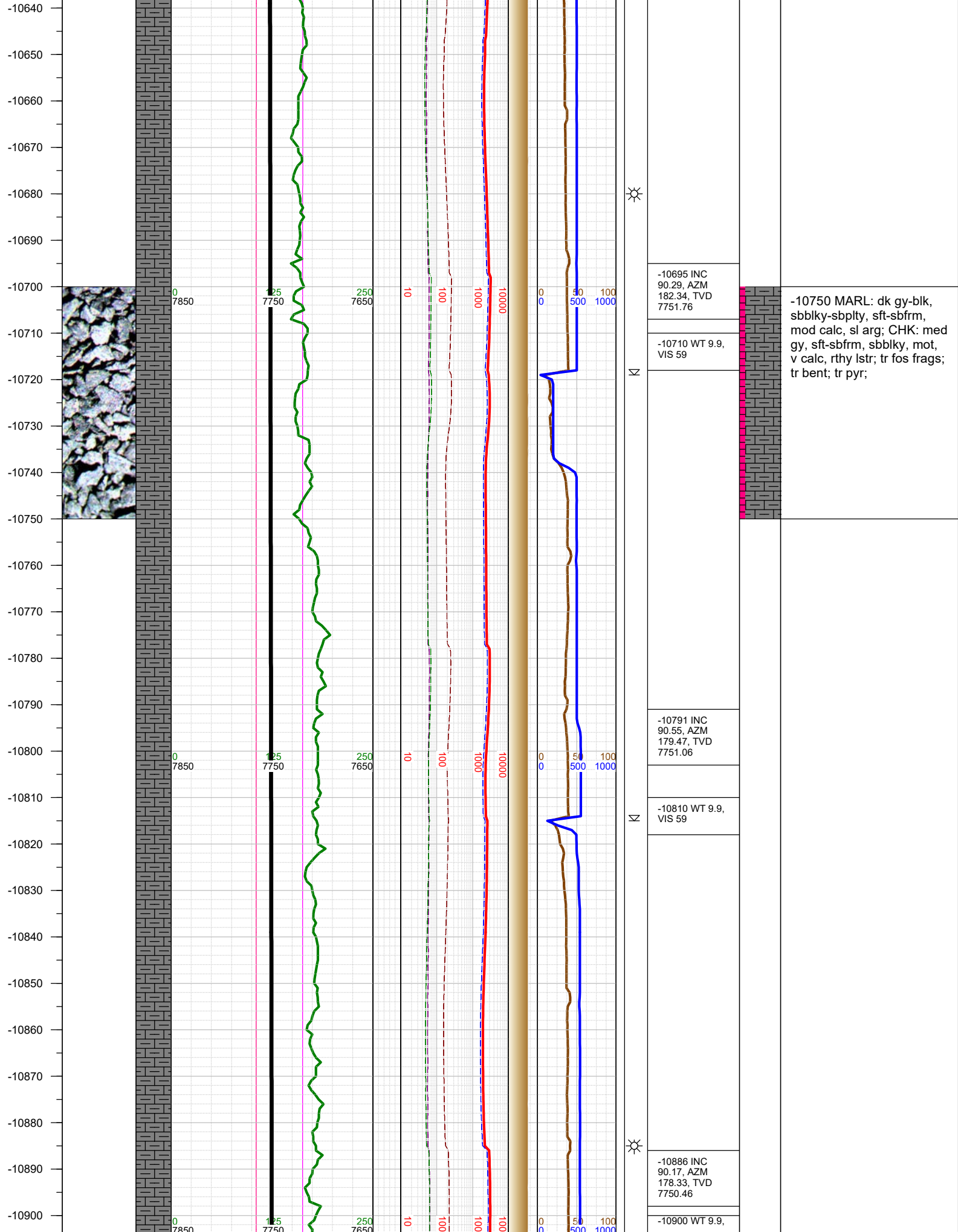


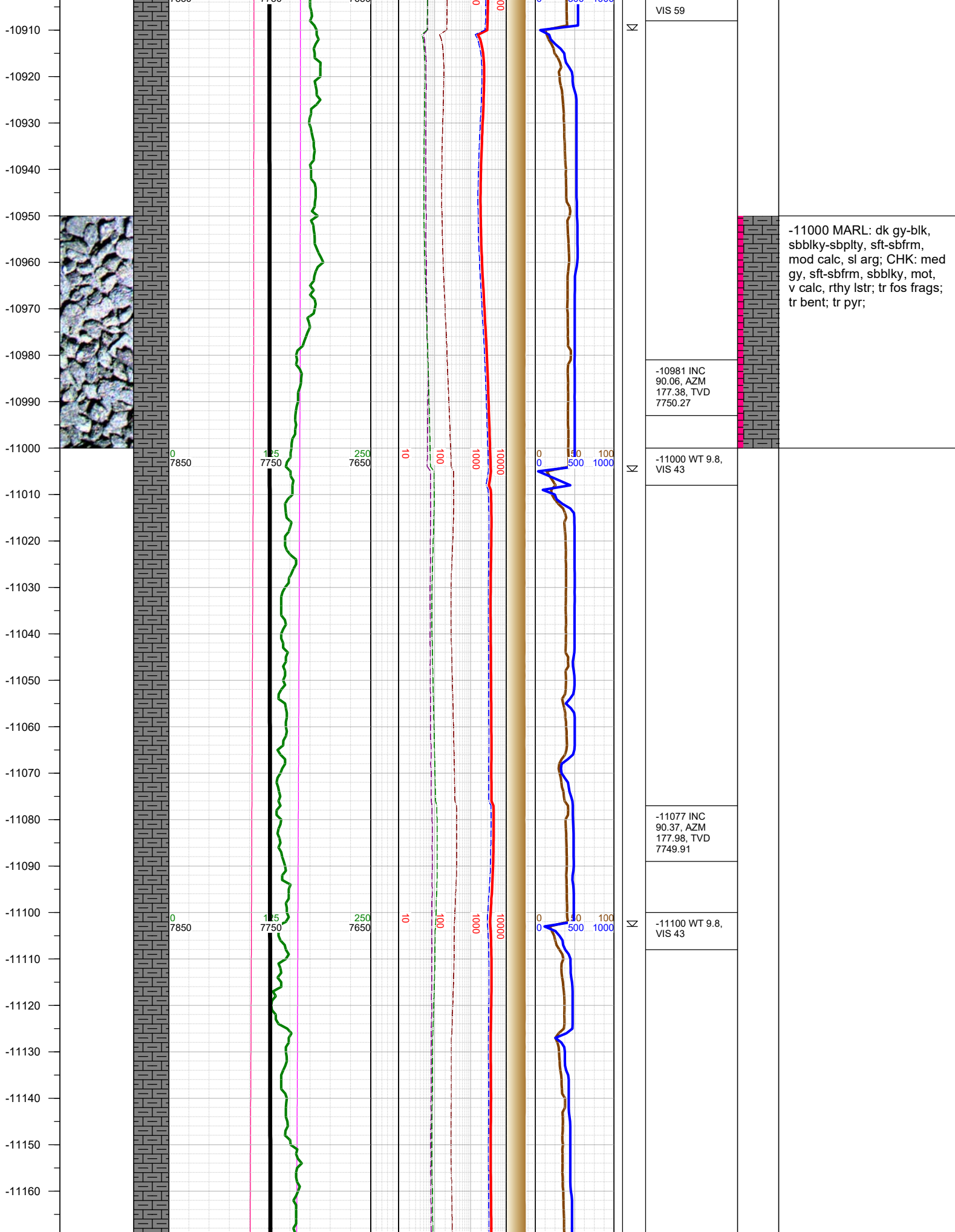


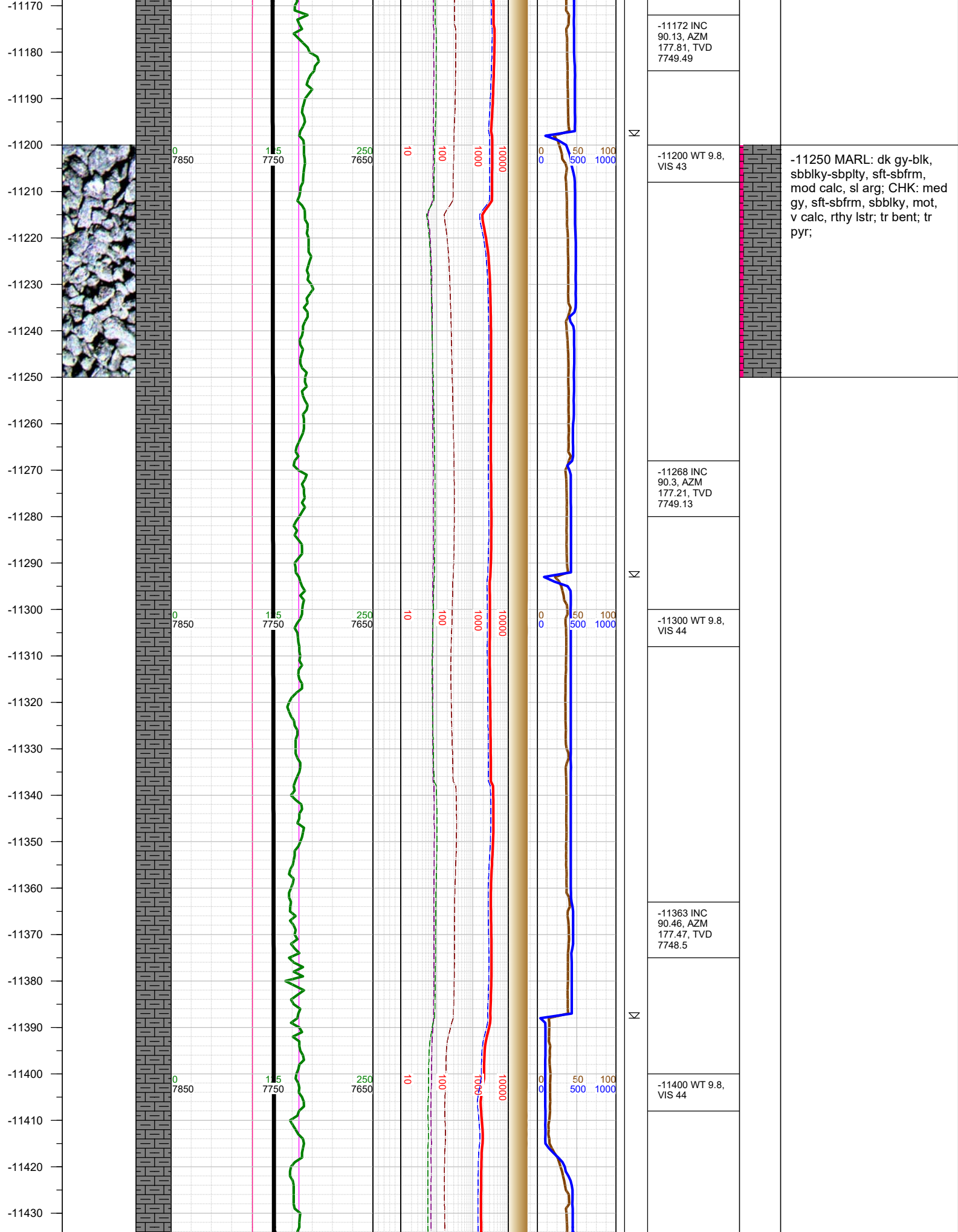




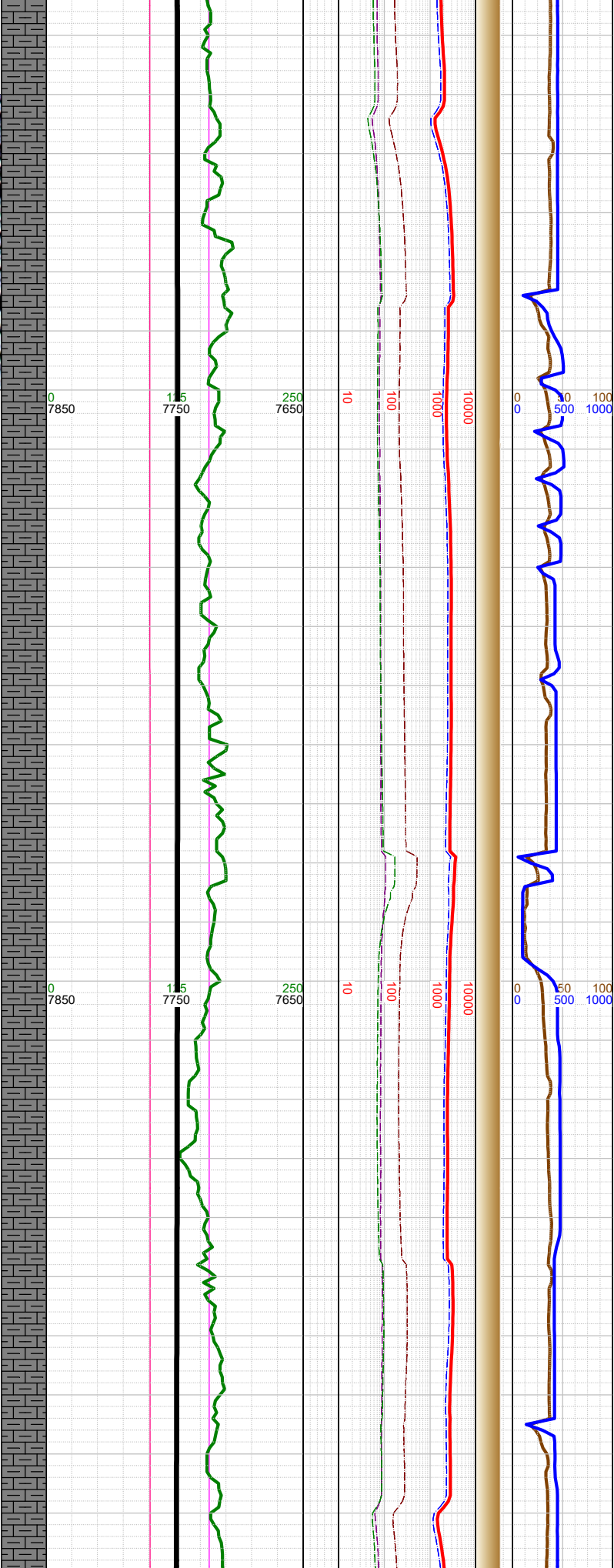
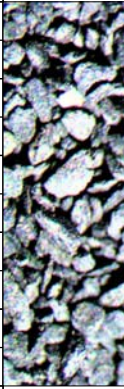




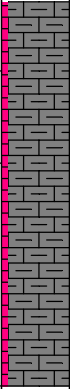




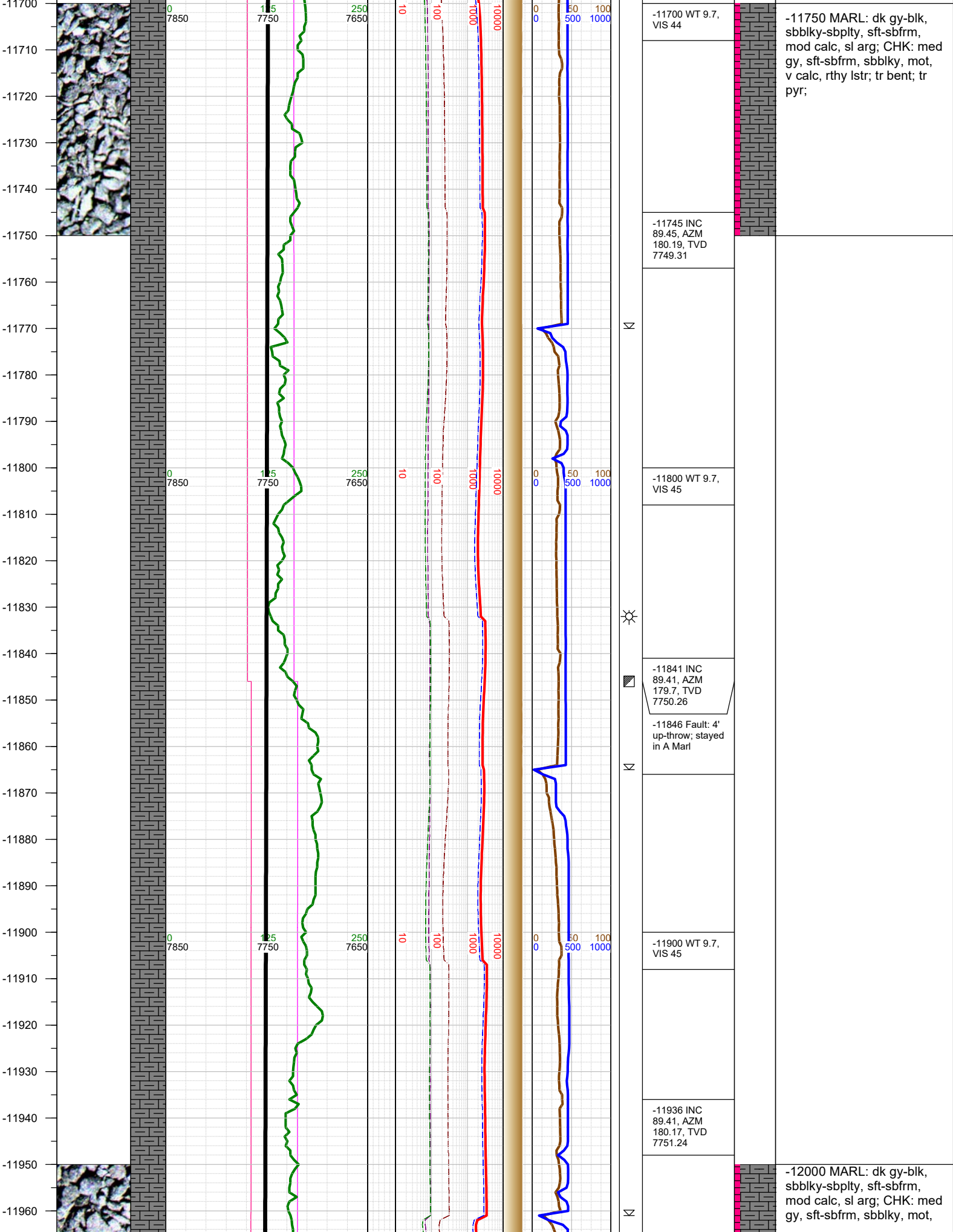
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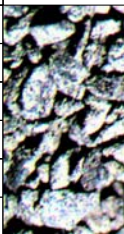
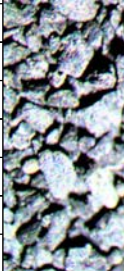
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| -11459 INC 90.25, AZM 178.69, TVD 7747.91 |
| -11500 WT 9.7, VIS 44 |
| -11554 INC 89.97, AZM 179.76, TVD 7747.73 |
| -11600 WT 9.7, VIS 44 |
| -11650 INC 89.34, AZM 181.21, TVD 7748.3 |



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



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-12000 WT 9.8,
VIS 46

-12031 INC
89.2, AZM
181.65, TVD
7752.39

-12100 WT 9.8,
VIS 46

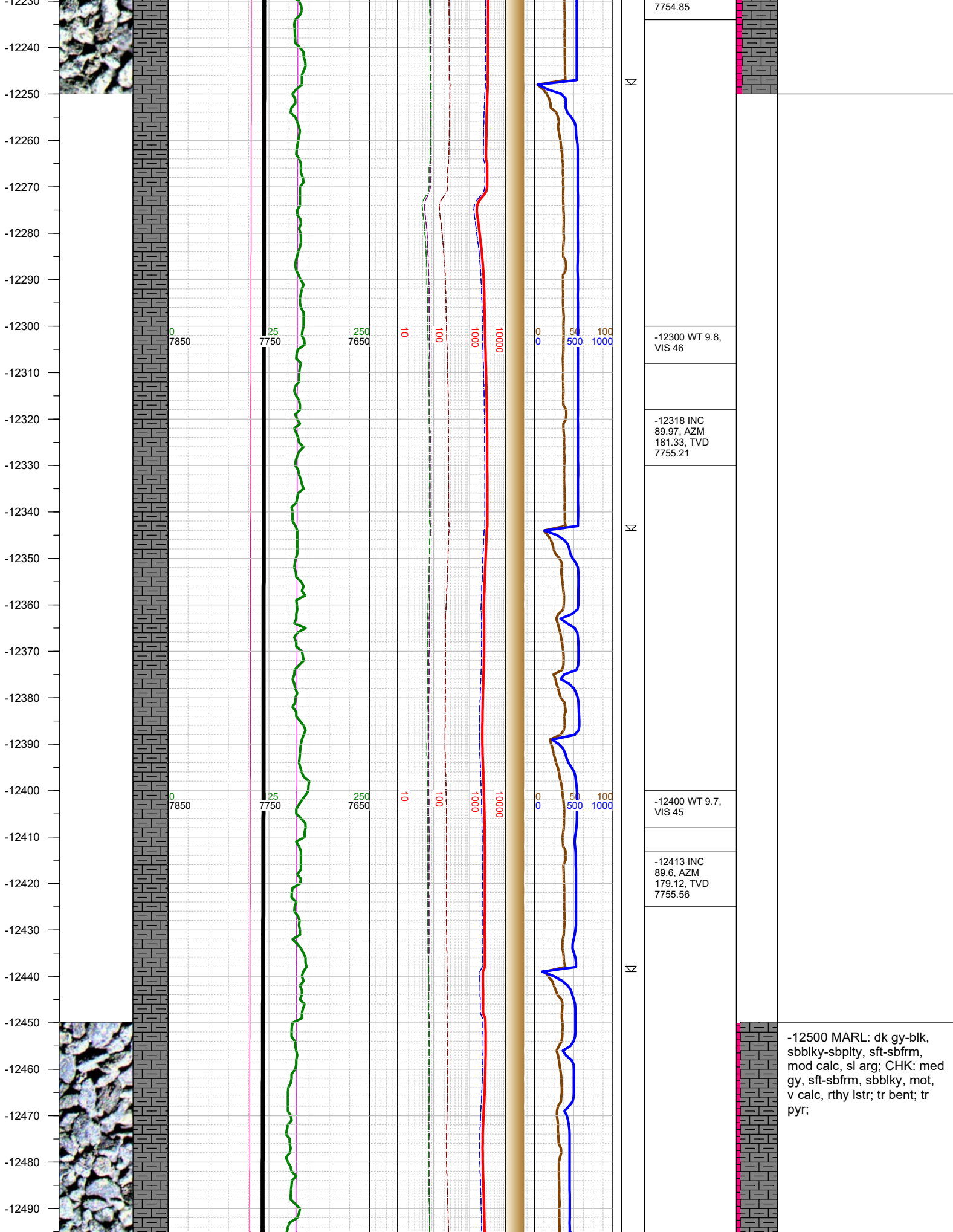
-12127 INC
89.13, AZM
180.53, TVD
7753.79

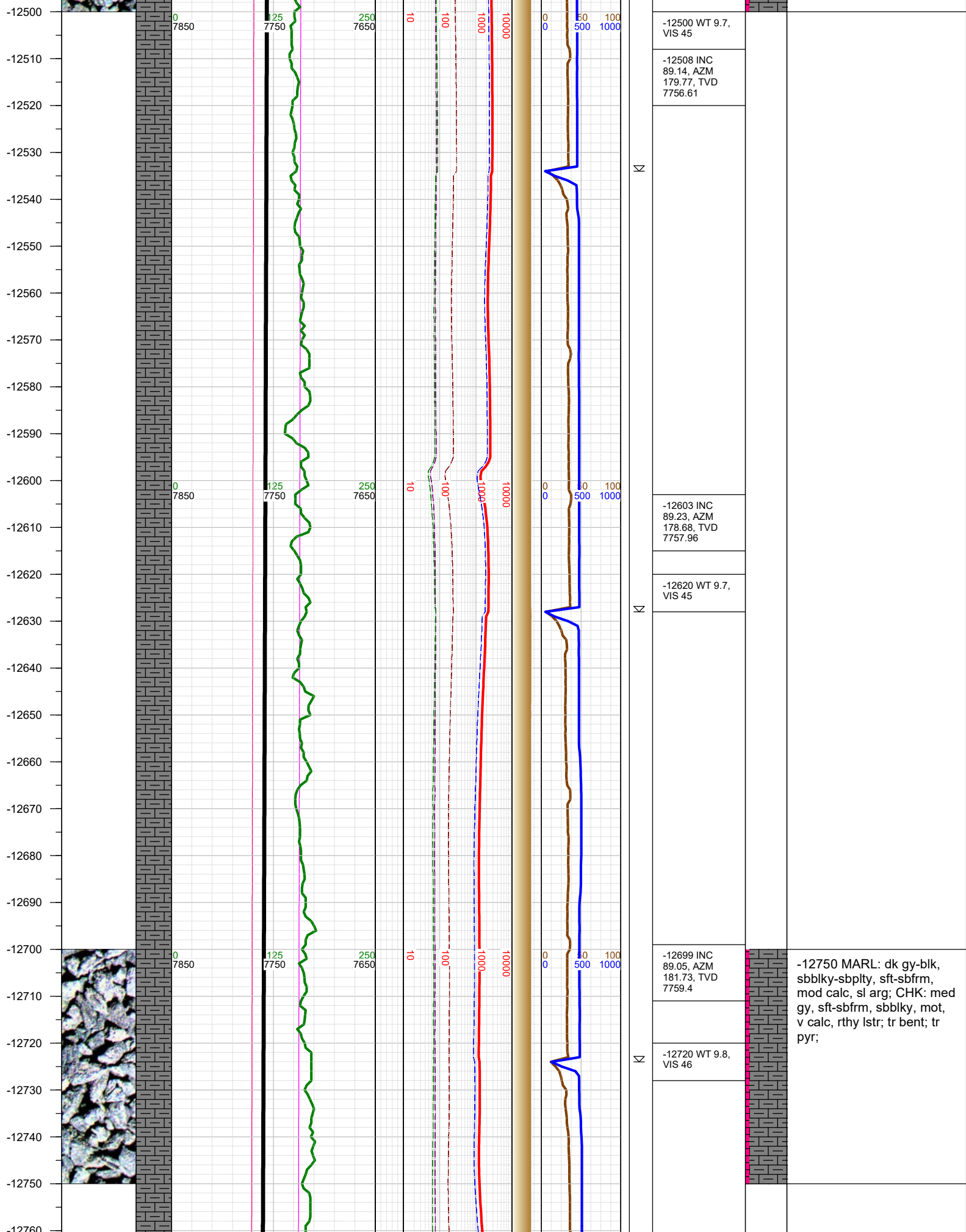
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VIS 46

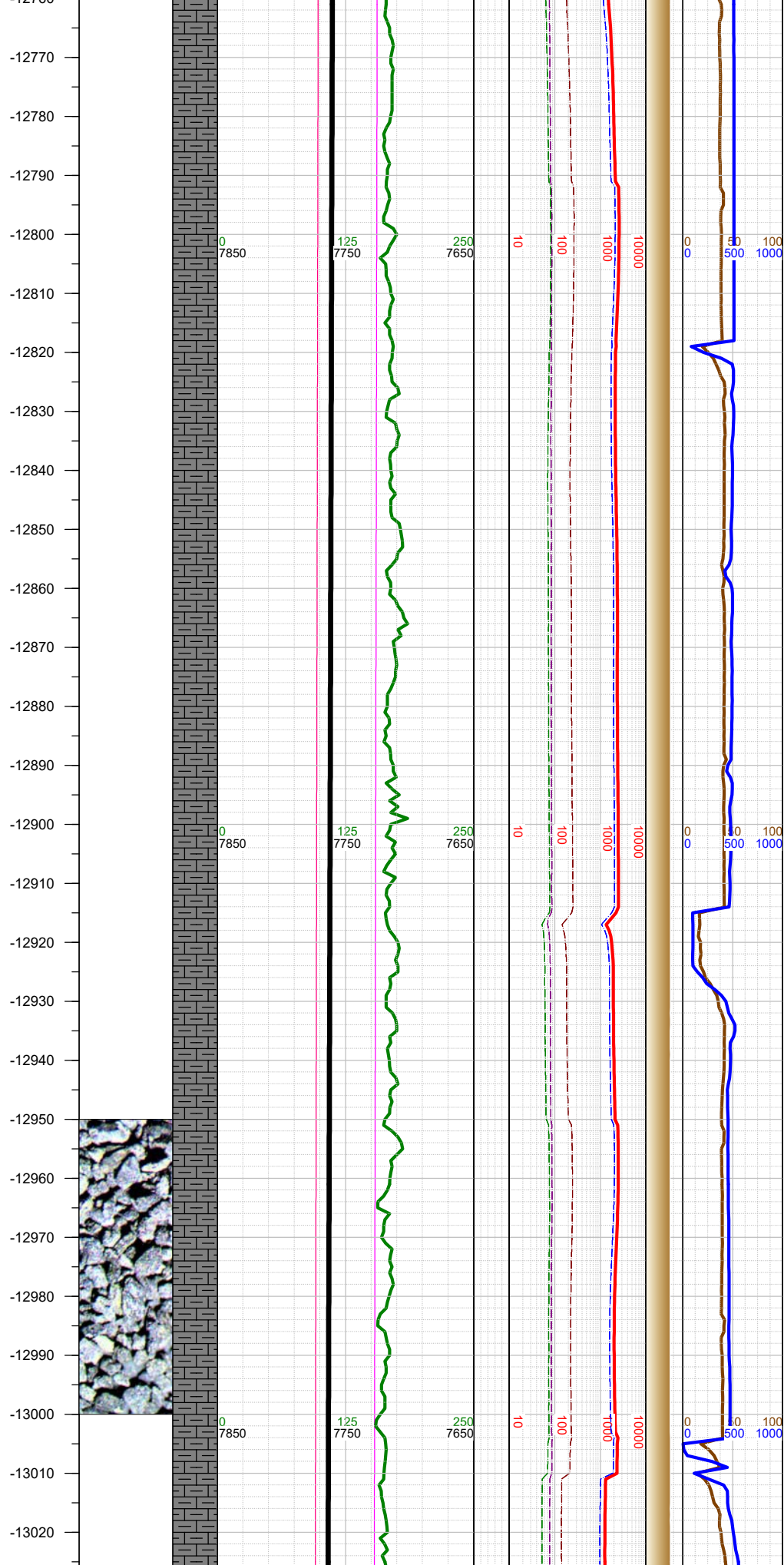
-12222 INC
89.6, AZM
180.87, TVD

v calc, rthy lstr; tr bent; tr
pyr;

-12250 MARL: dk gy-blk,
sbbly-sbply, sft-sbfrm,
mod calc, sl arg; CHK: med
gy, sft-sbfrm, sbbly, mot,
v calc, rthy lstr; tr bent; tr
pyr;







-12794 INC
89.17, AZM
180.81, TVD
7760.88

-12810 WT 9.8,
VIS 46

-12890 INC
89.47, AZM
178.63, TVD
7762.01

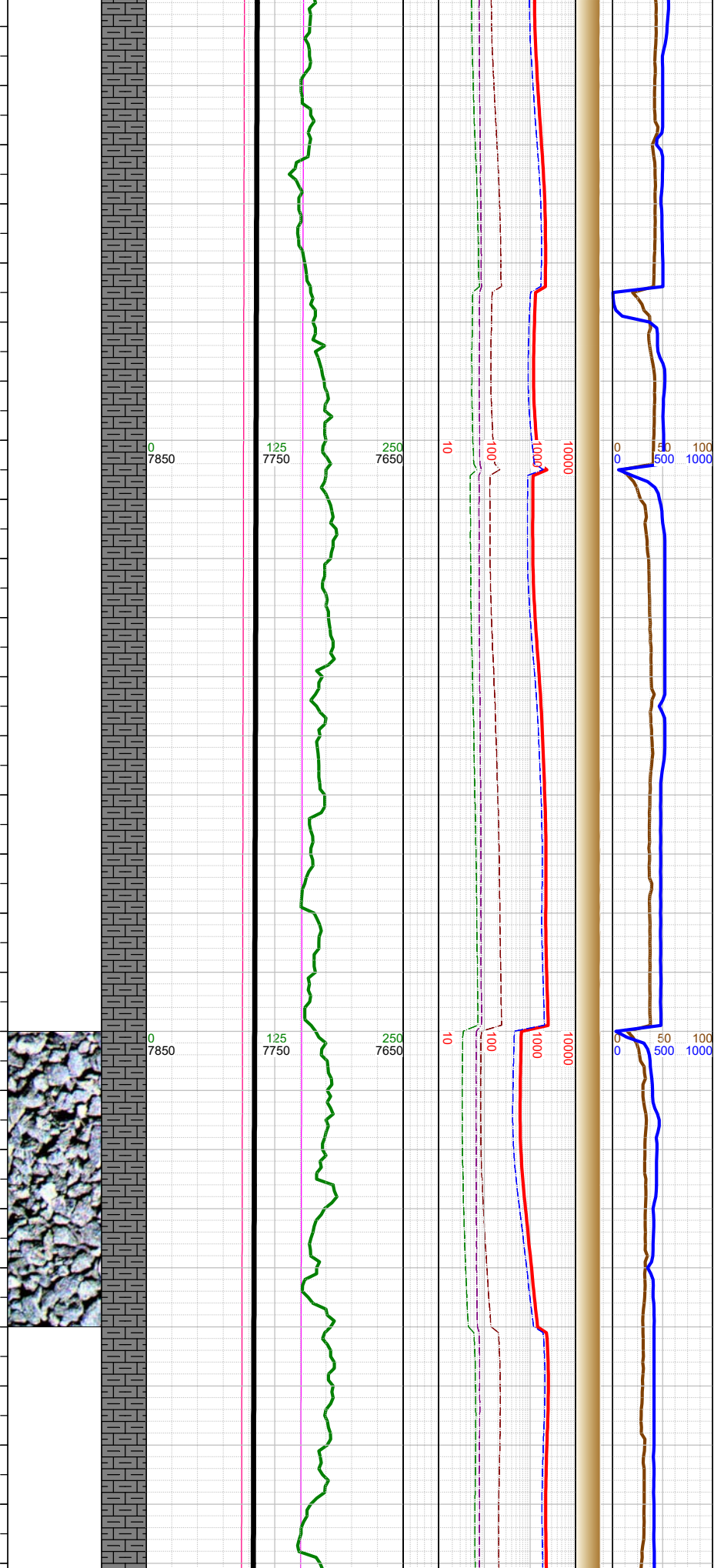
-12910 WT 9.7,
VIS 45

-13000 MARL: dk gy-blk,
sbbly-sbply, sft-sbfrm,
mod calc, sl arg; CHK: med
gy, sft-sbfrm, sbbly, mot,
v calc, rthy lstr; tr fos frags;
tr bent; tr pyr;

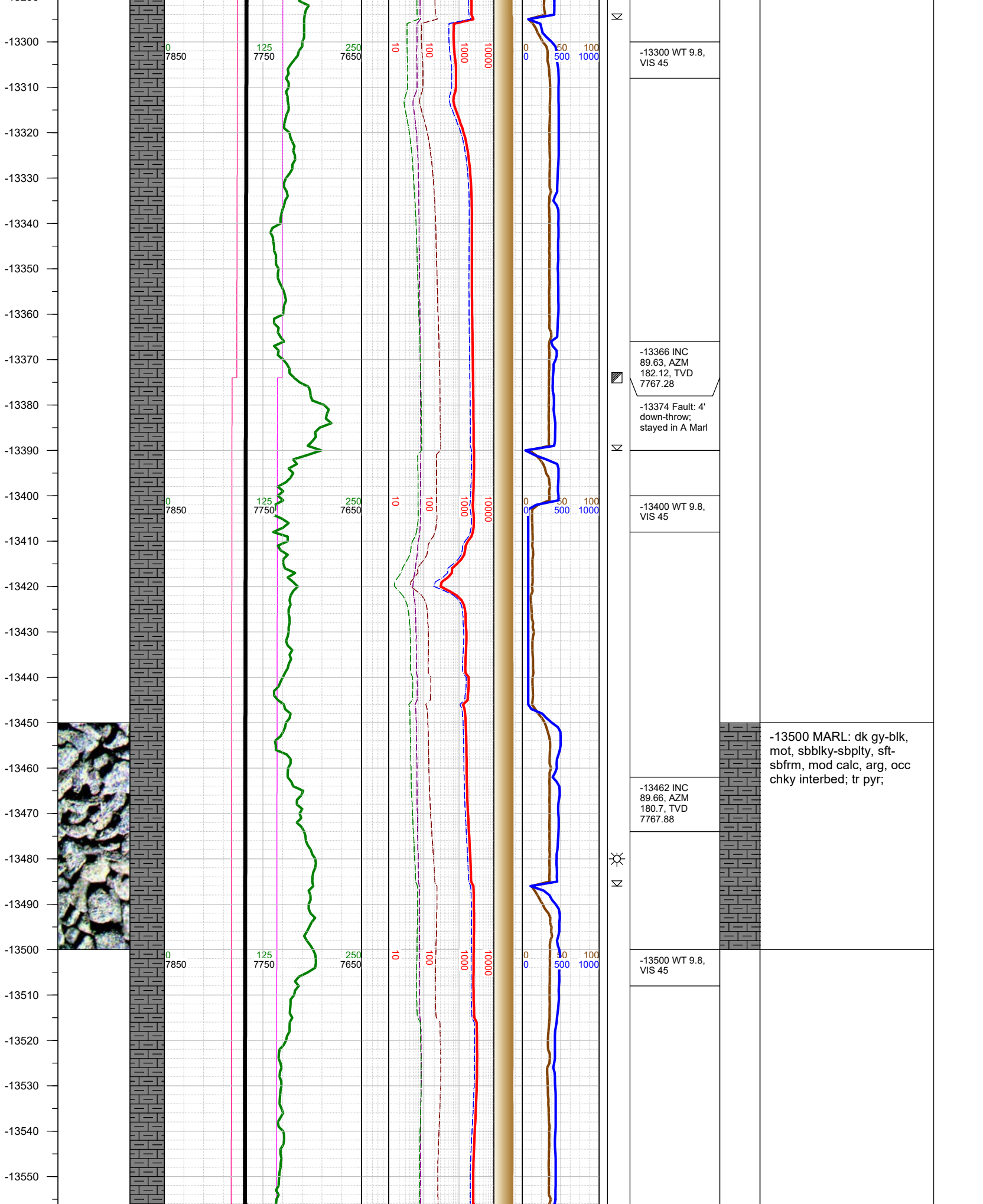
-12985 INC
89.06, AZM
182.23, TVD
7763.23

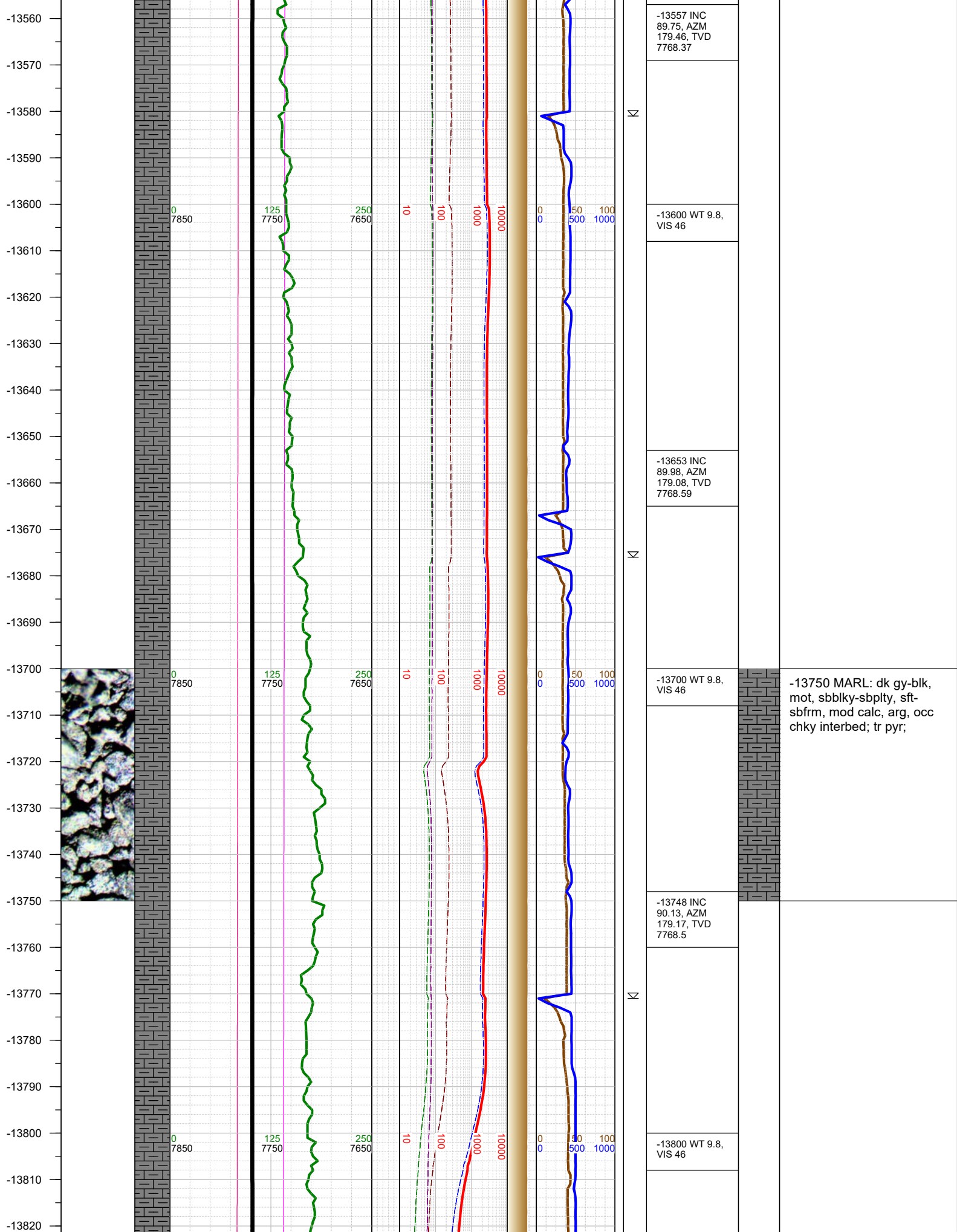
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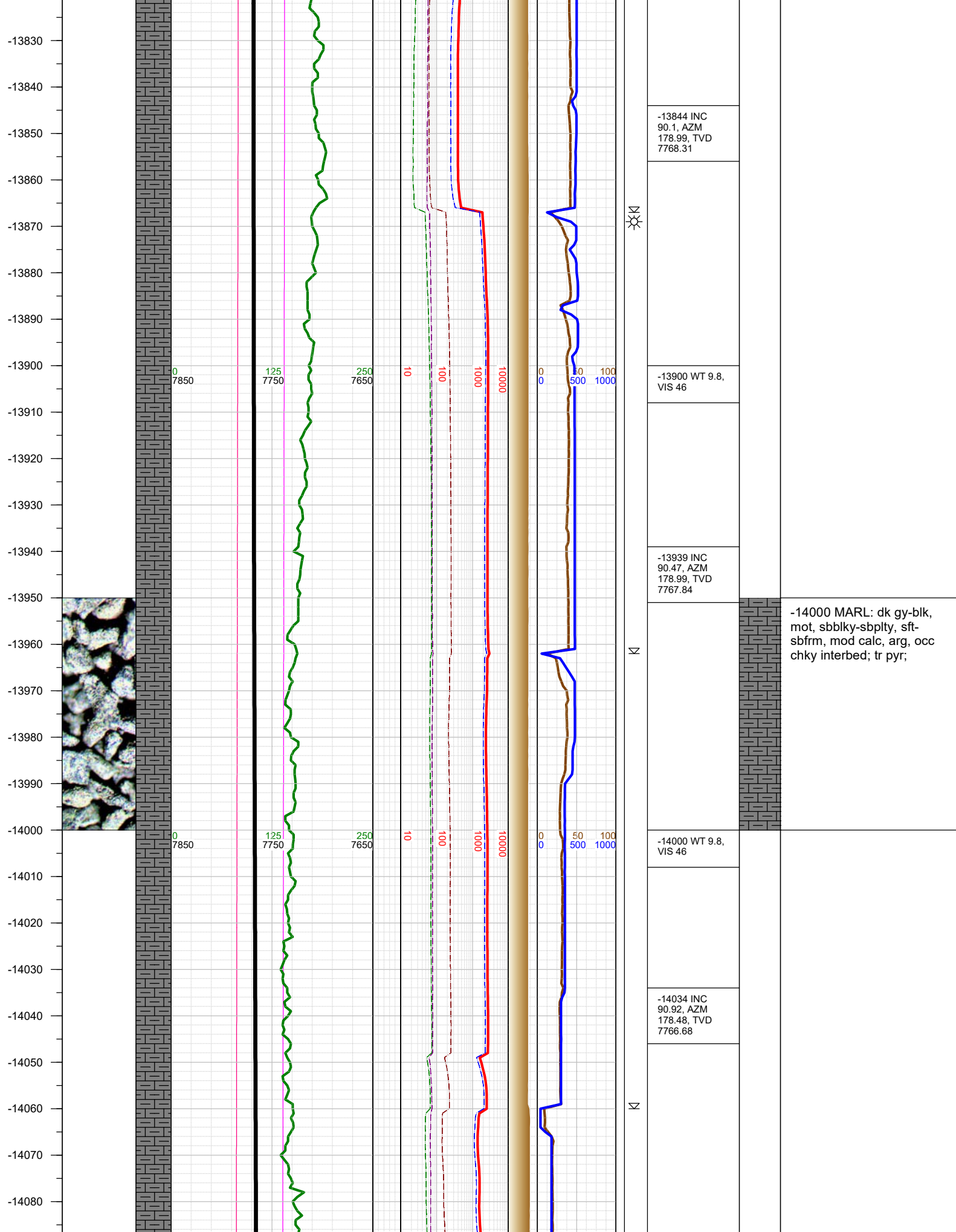
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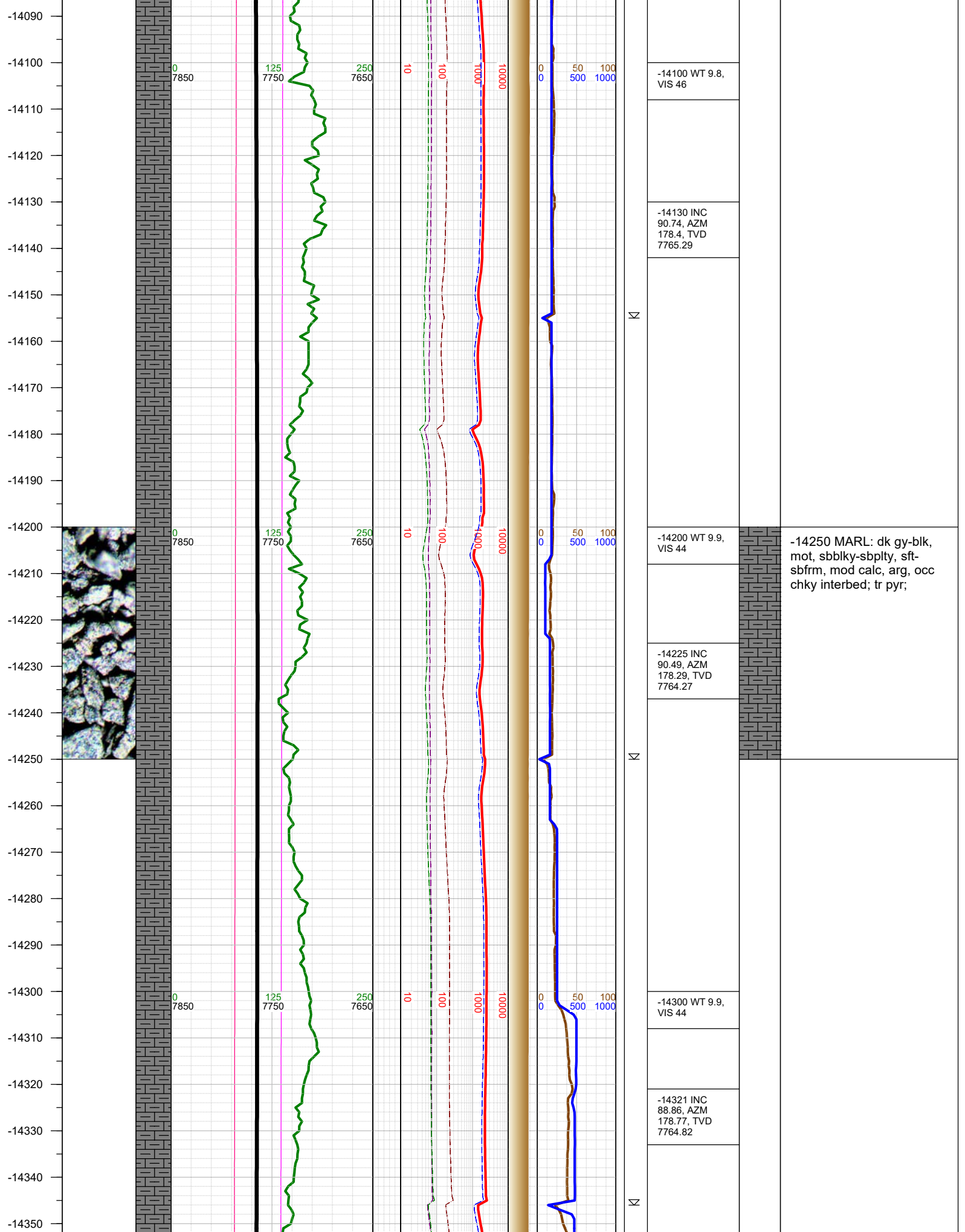


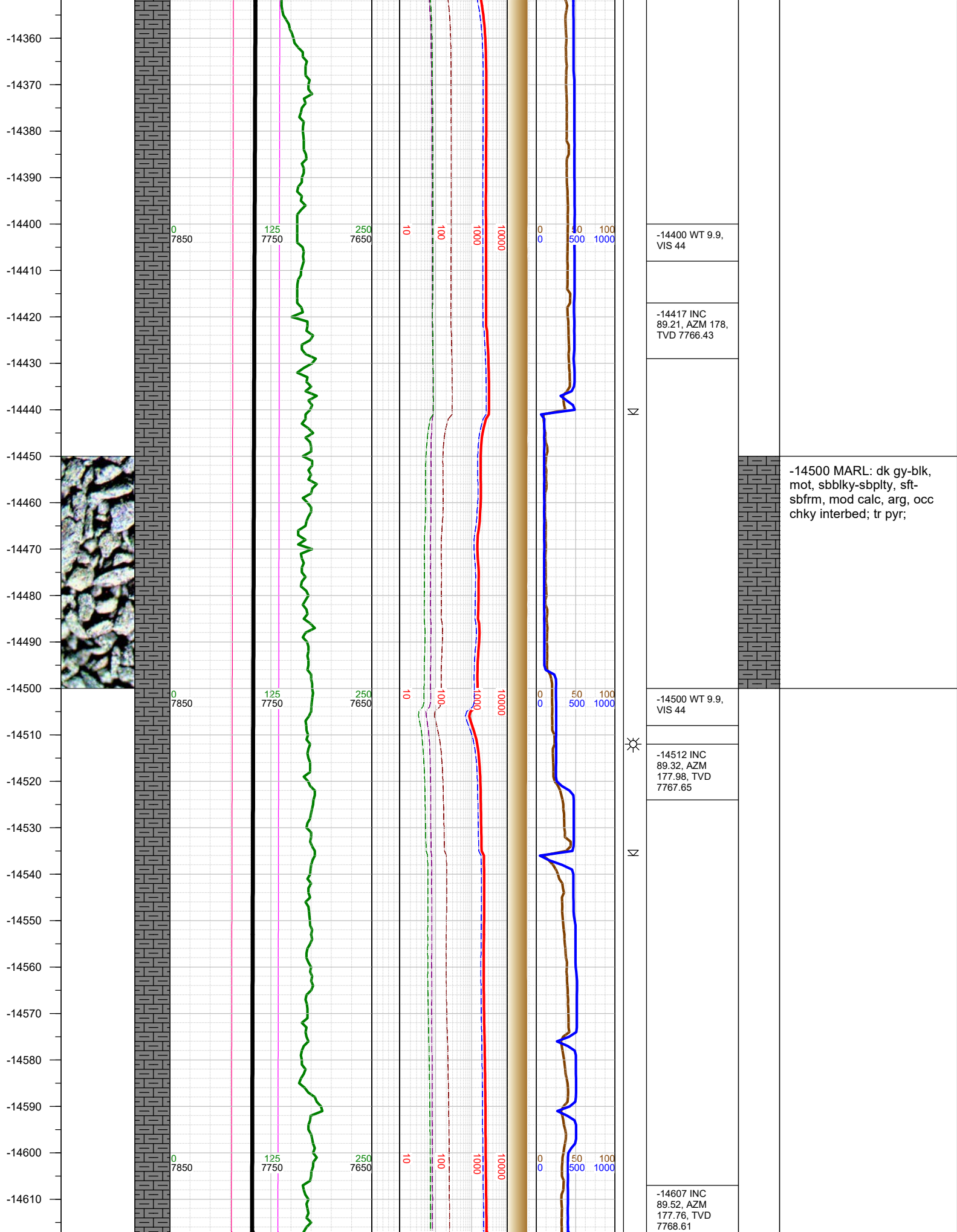
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|---|--|---|
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| | -13100 WT 9.7, VIS 45 | |
| Σ | -13176 INC 89.18, AZM 180.88, TVD 7765.4 | |
| | -13200 WT 9.8, VIS 45 | -13250 MARL: dk gy-blk, sbbiky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: med gy, sft-sbfrm, sbbiky, mot, v calc, rthy lstr; tr fos frags; tr bent; tr pyr; |
| | -13271 INC 89.46, AZM 181.89, TVD 7766.53 | |



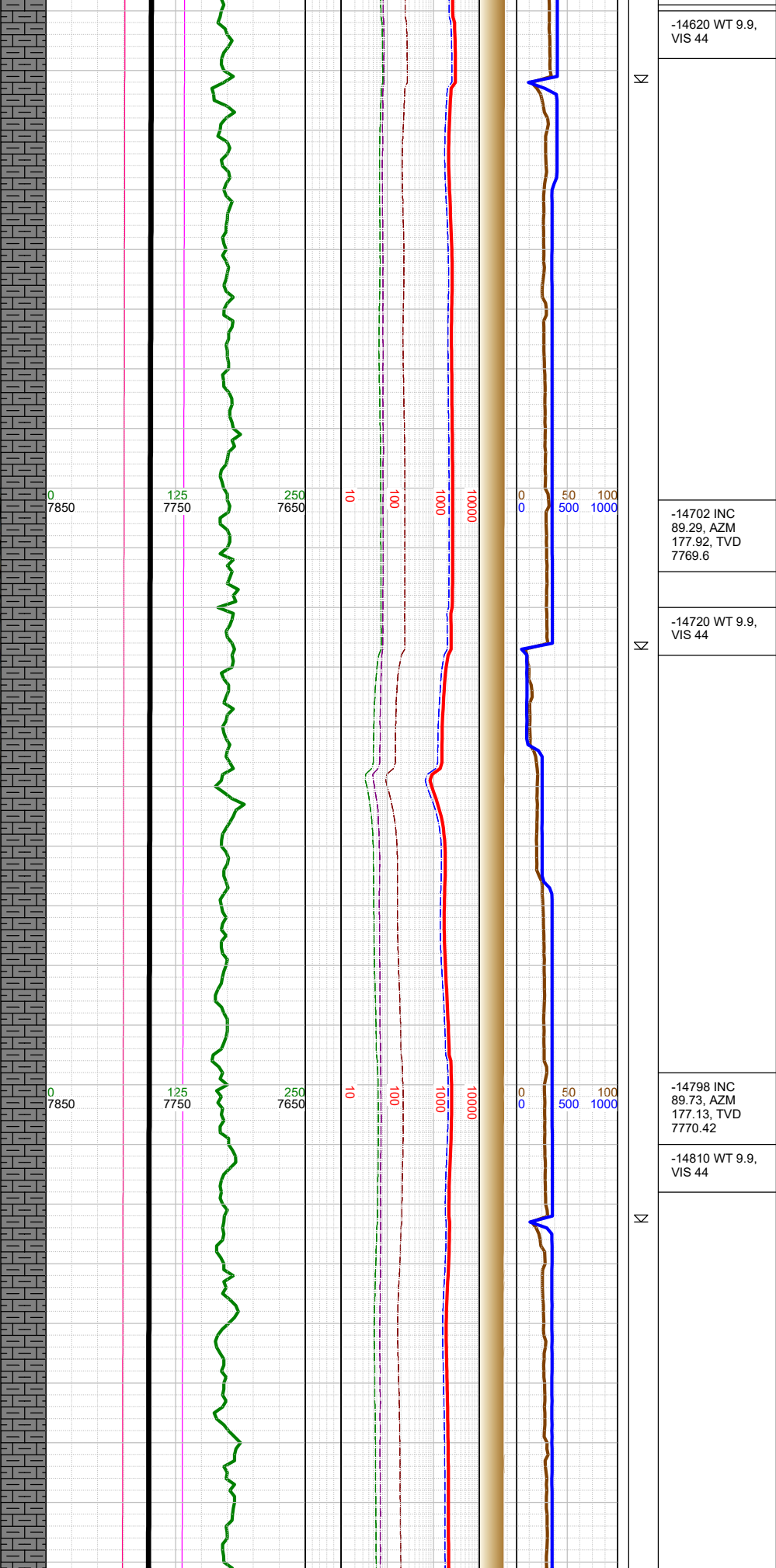
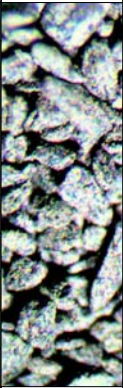








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-14620 WT 9.9,
VIS 44

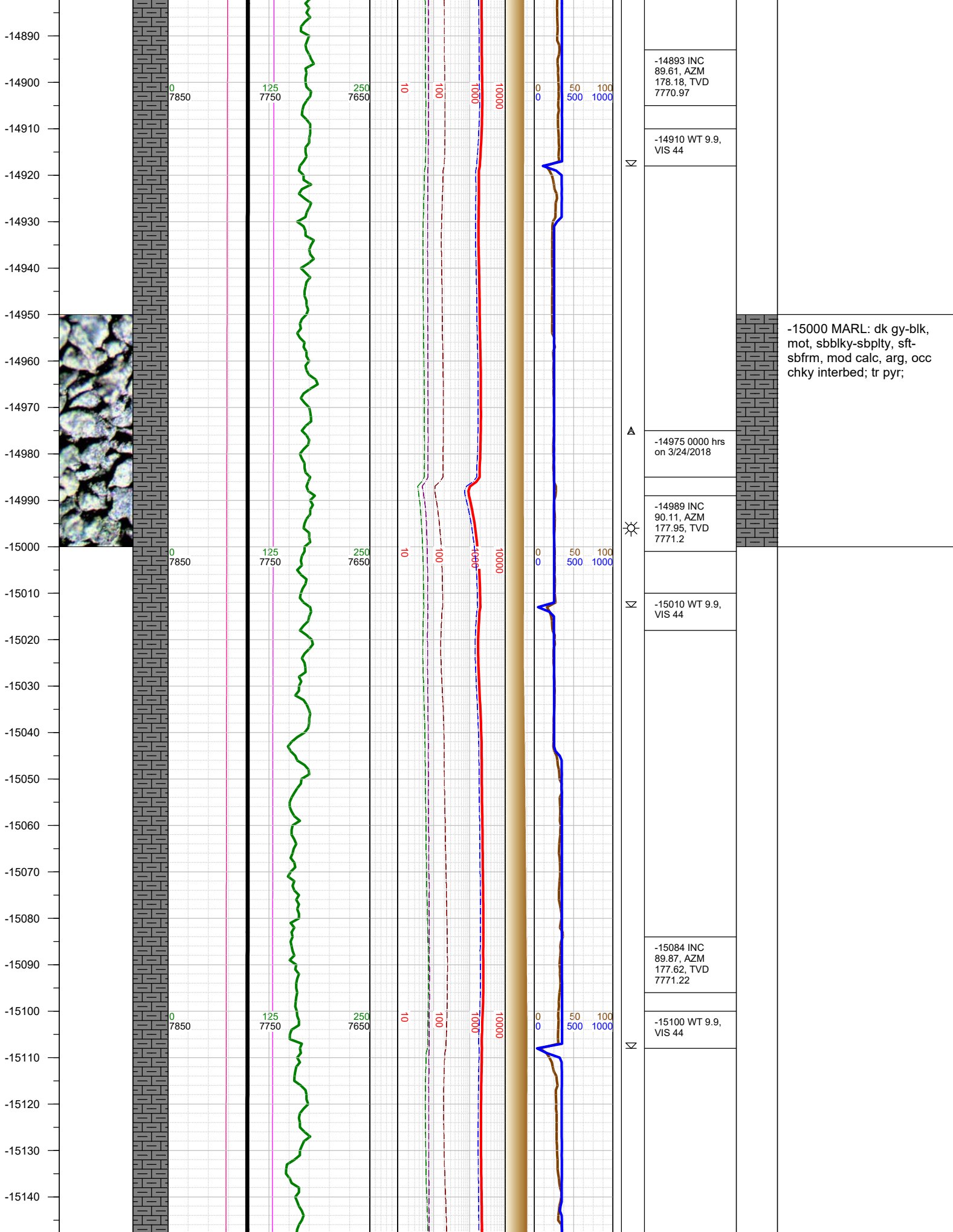
-14702 INC
89.29, AZM
177.92, TVD
7769.6

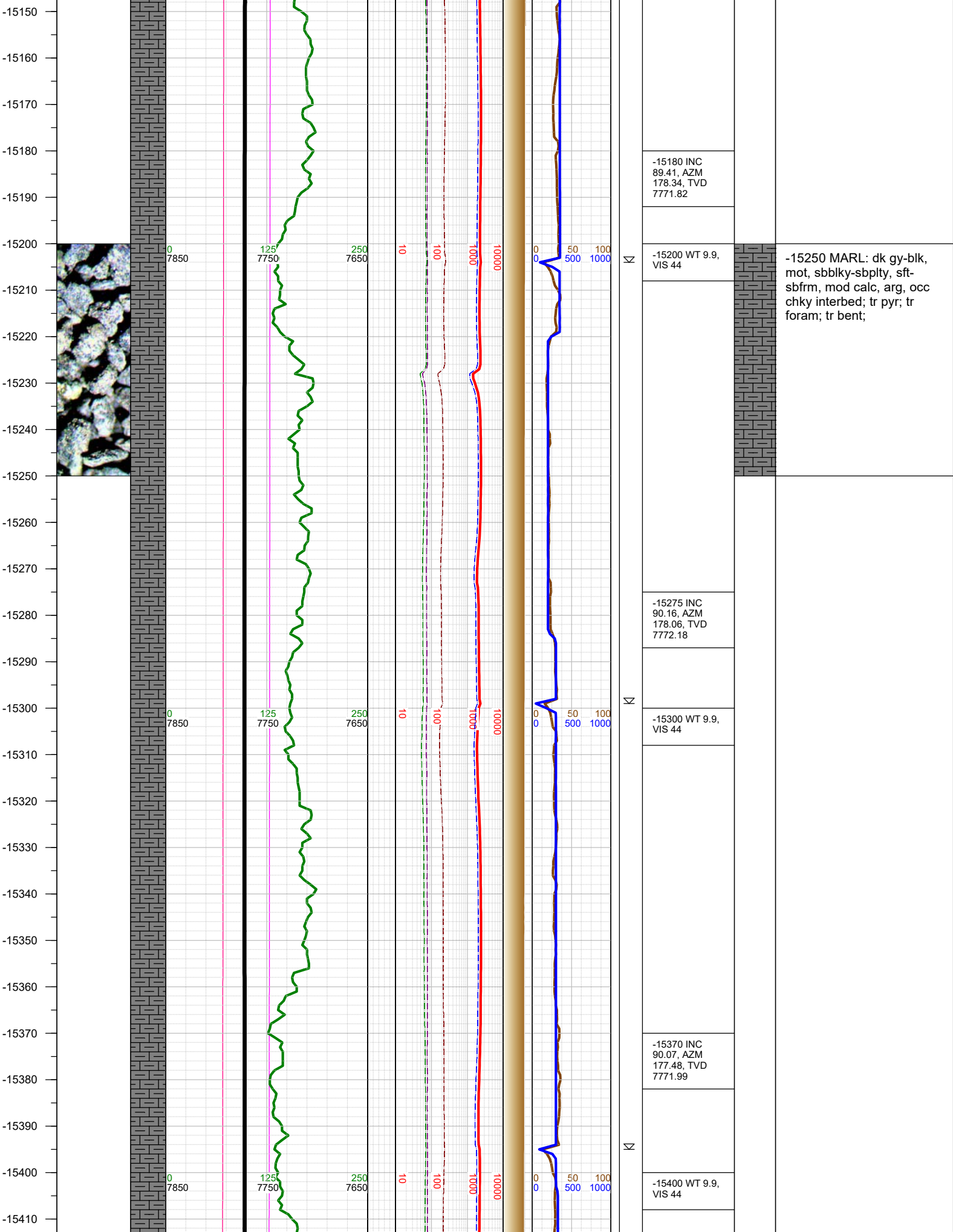
-14720 WT 9.9,
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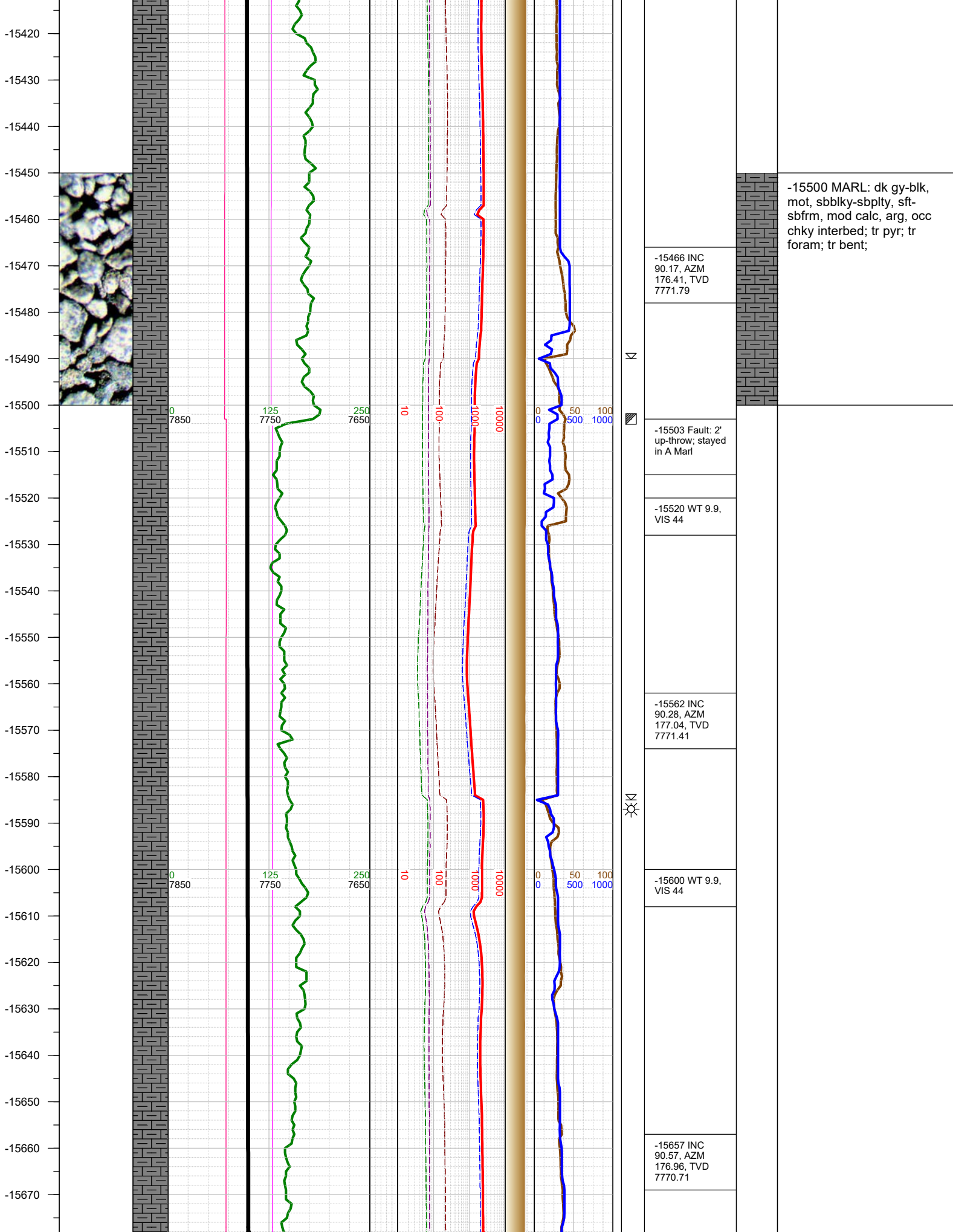
-14798 INC
89.73, AZM
177.13, TVD
7770.42

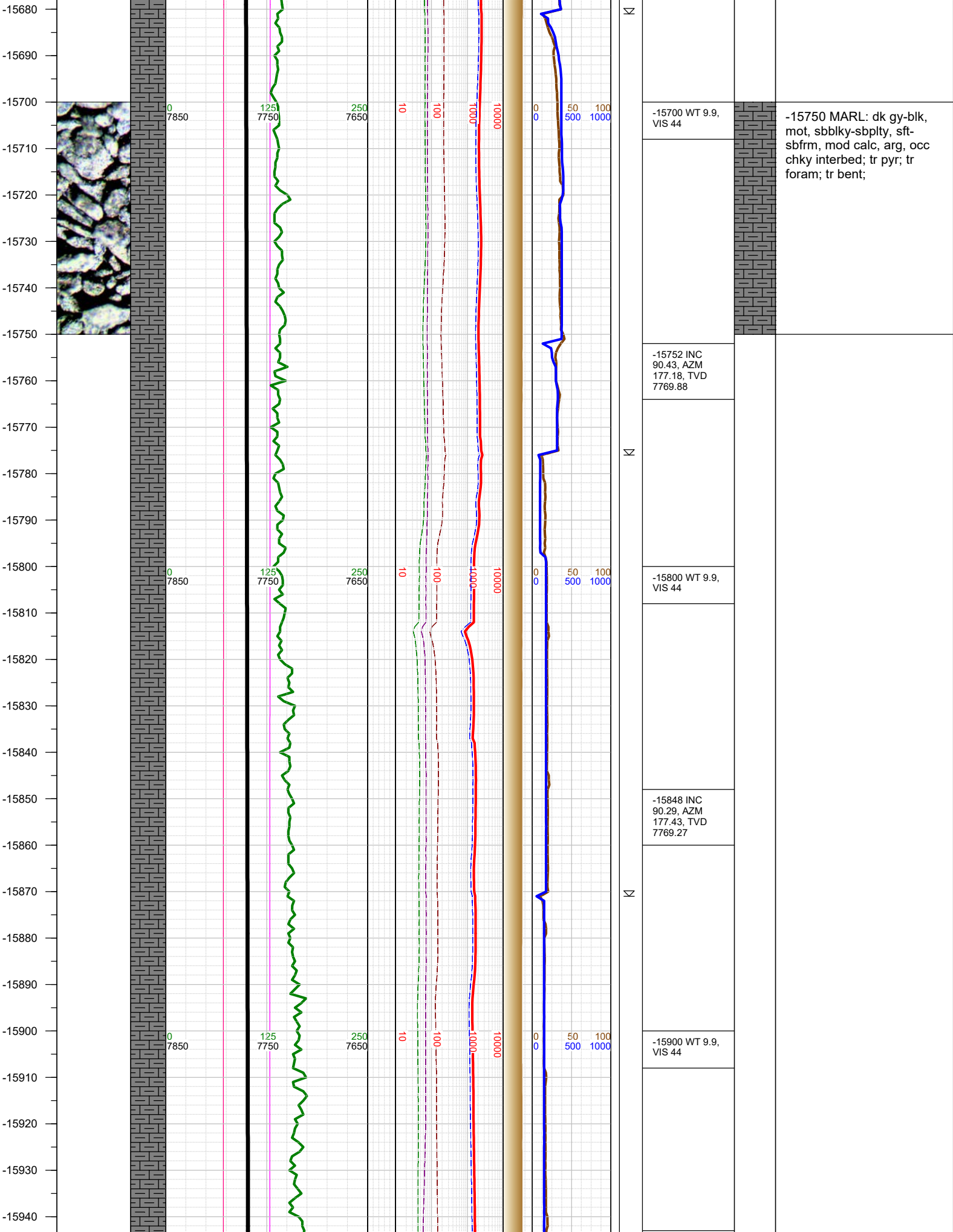
-14810 WT 9.9,
VIS 44

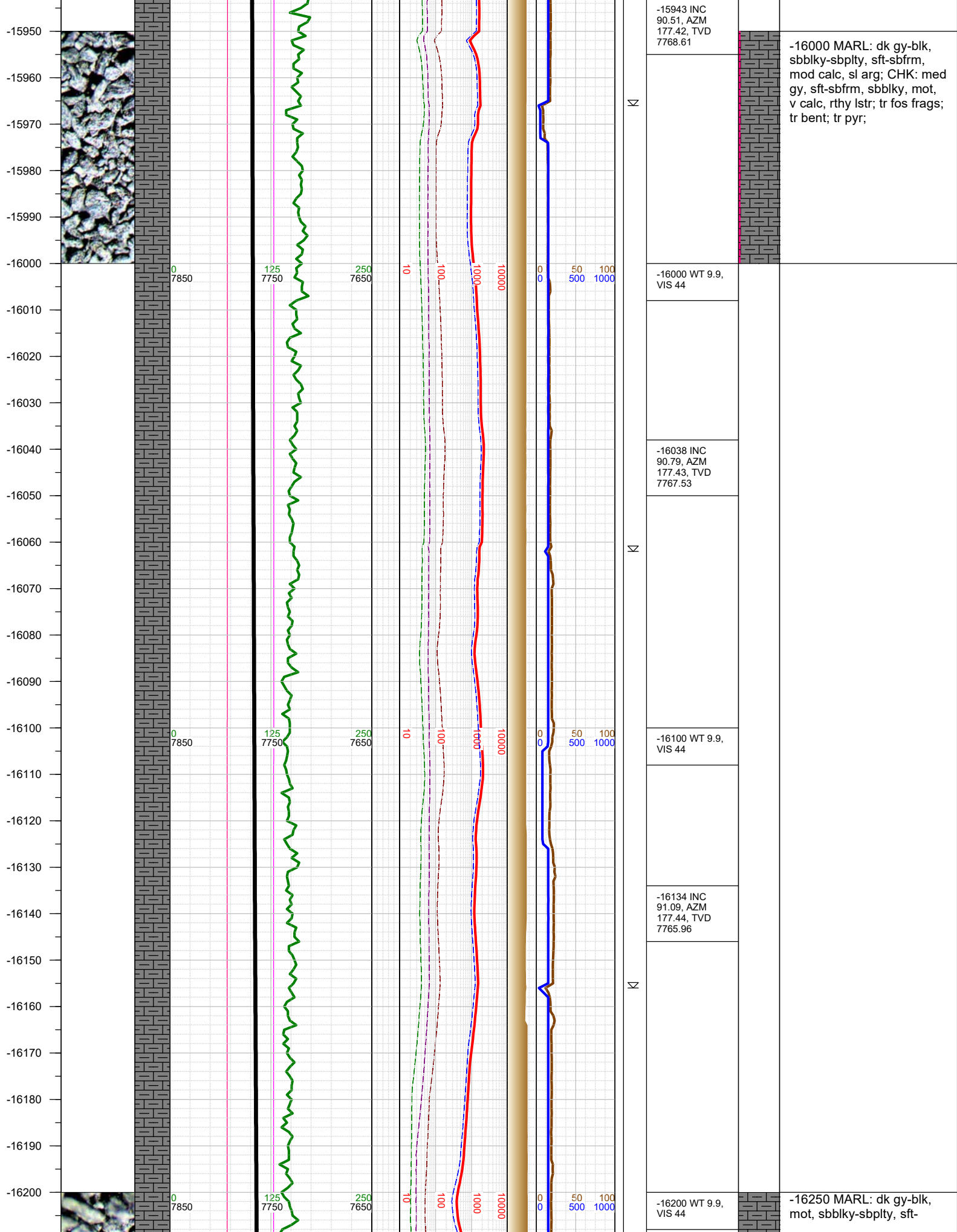
-14750 MARL: dk gy-blk,
mot, sbblky-sbplty, sft-
sbfrm, mod calc, arg, occ
chky interbed; tr pyr;

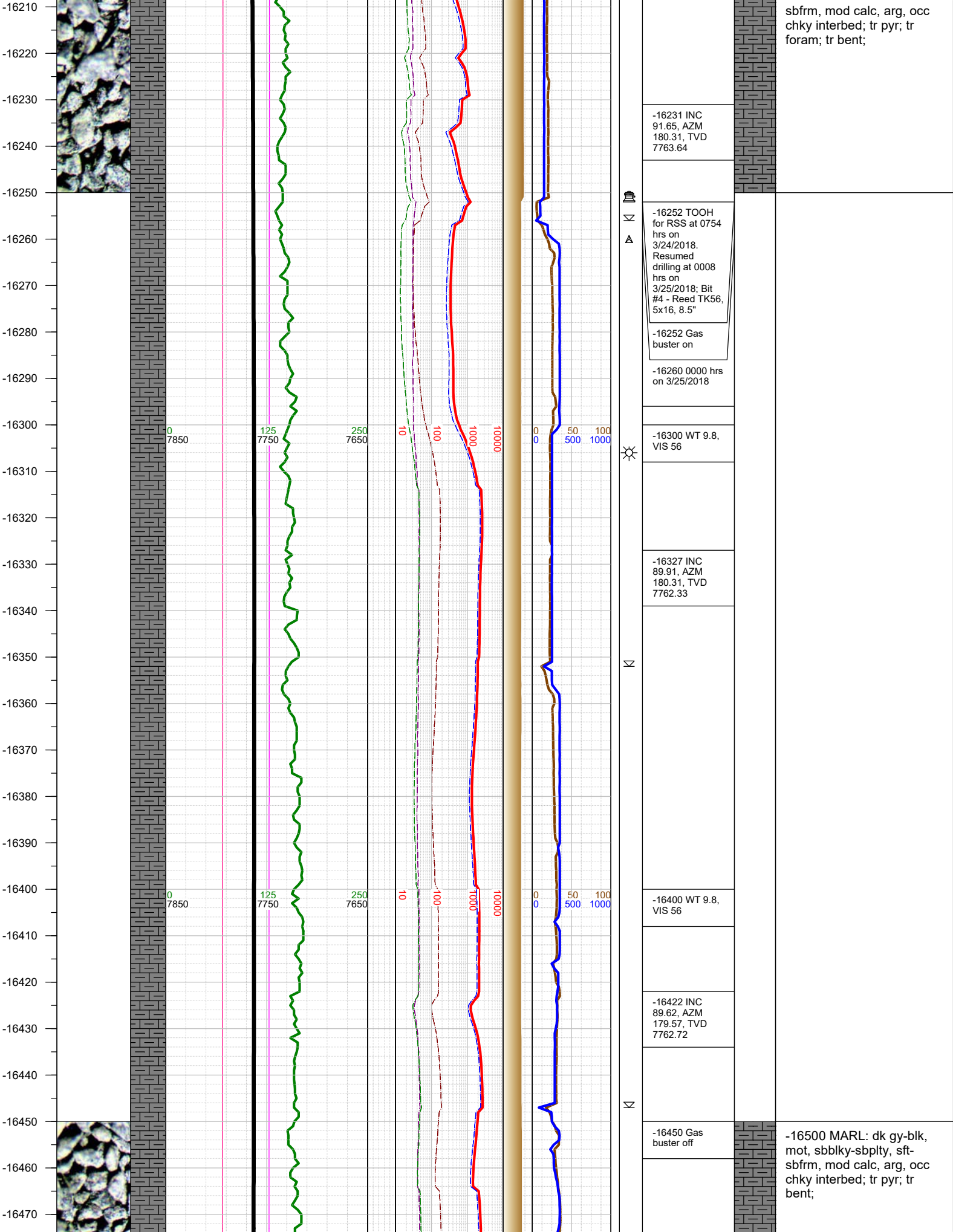


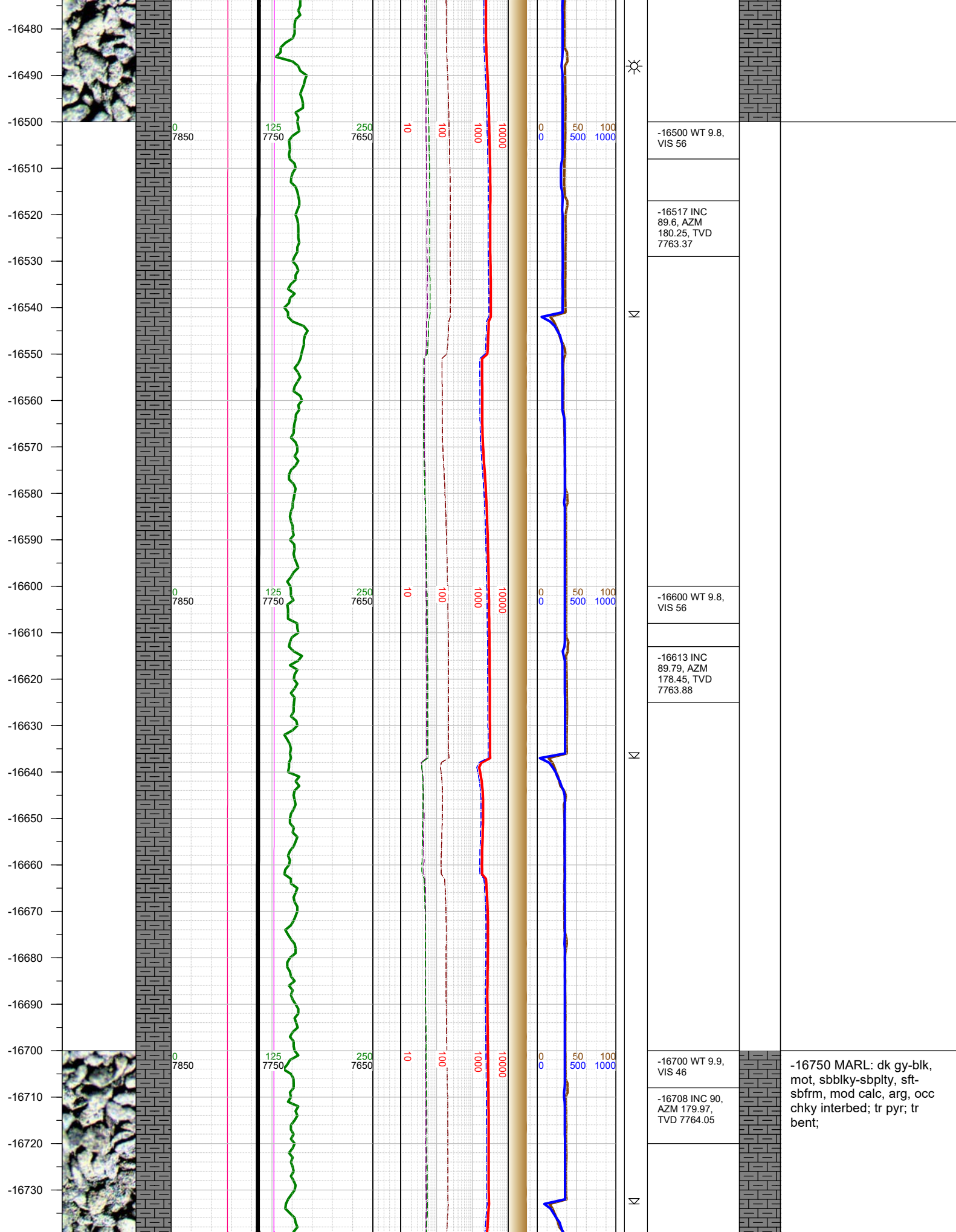


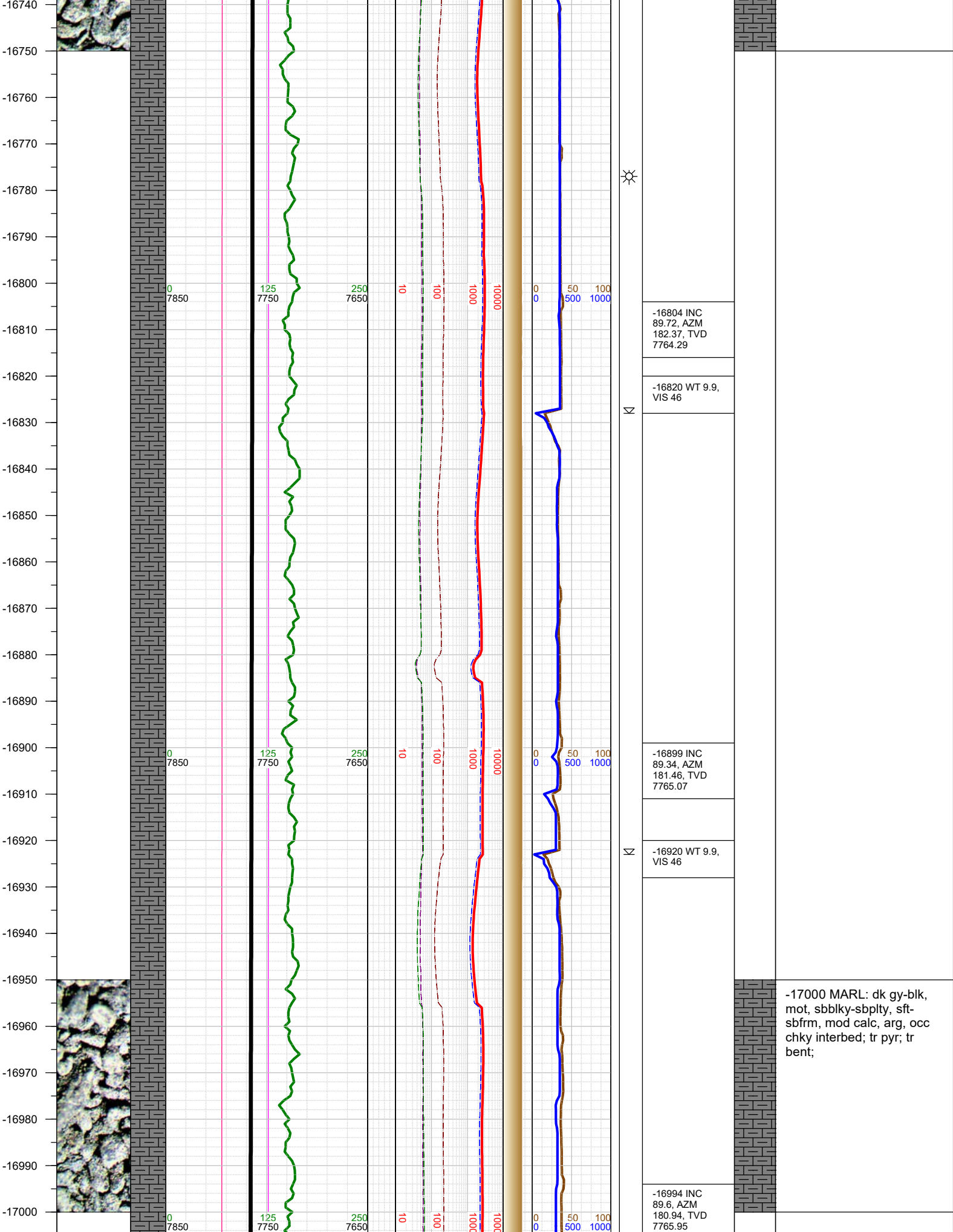


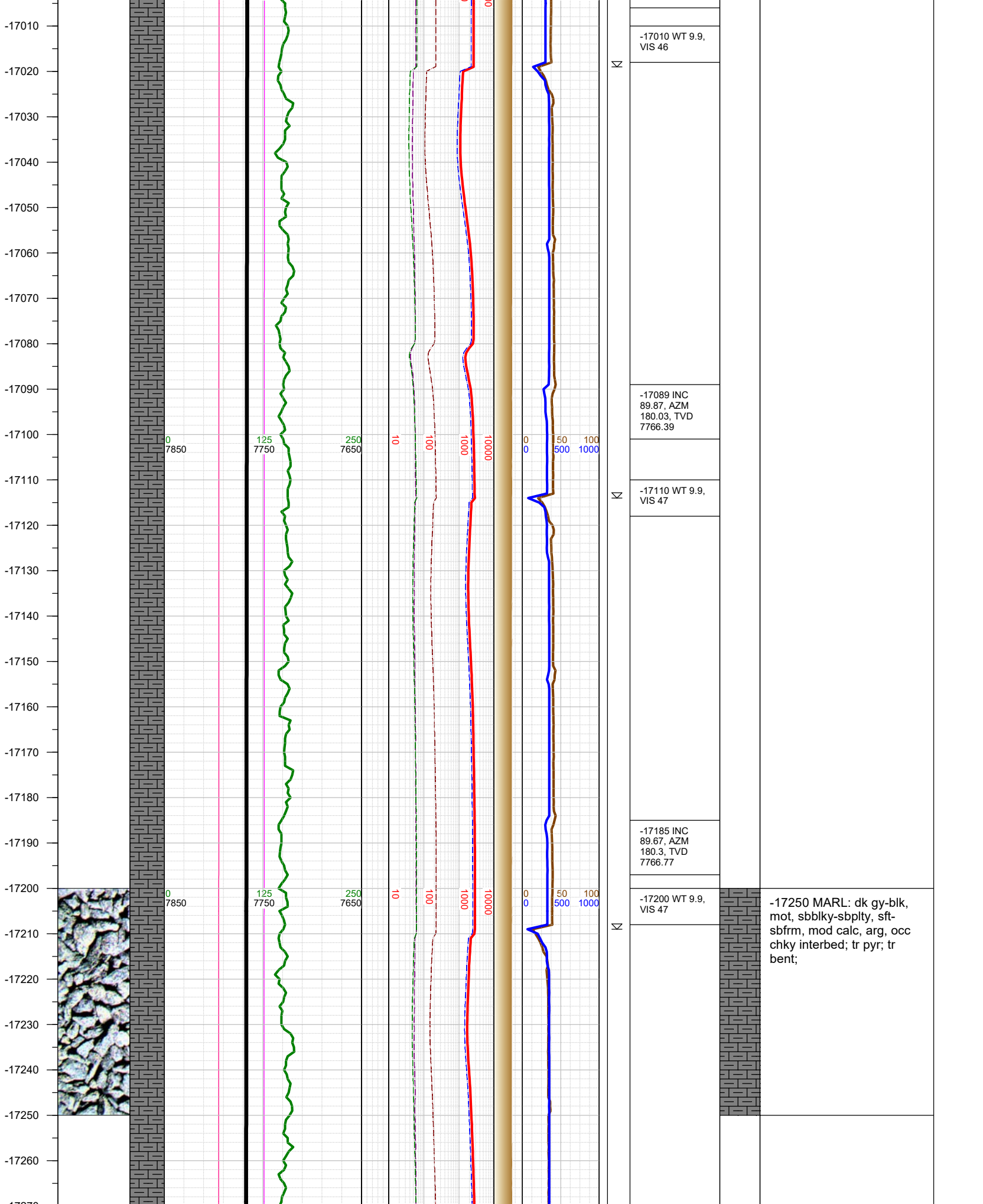




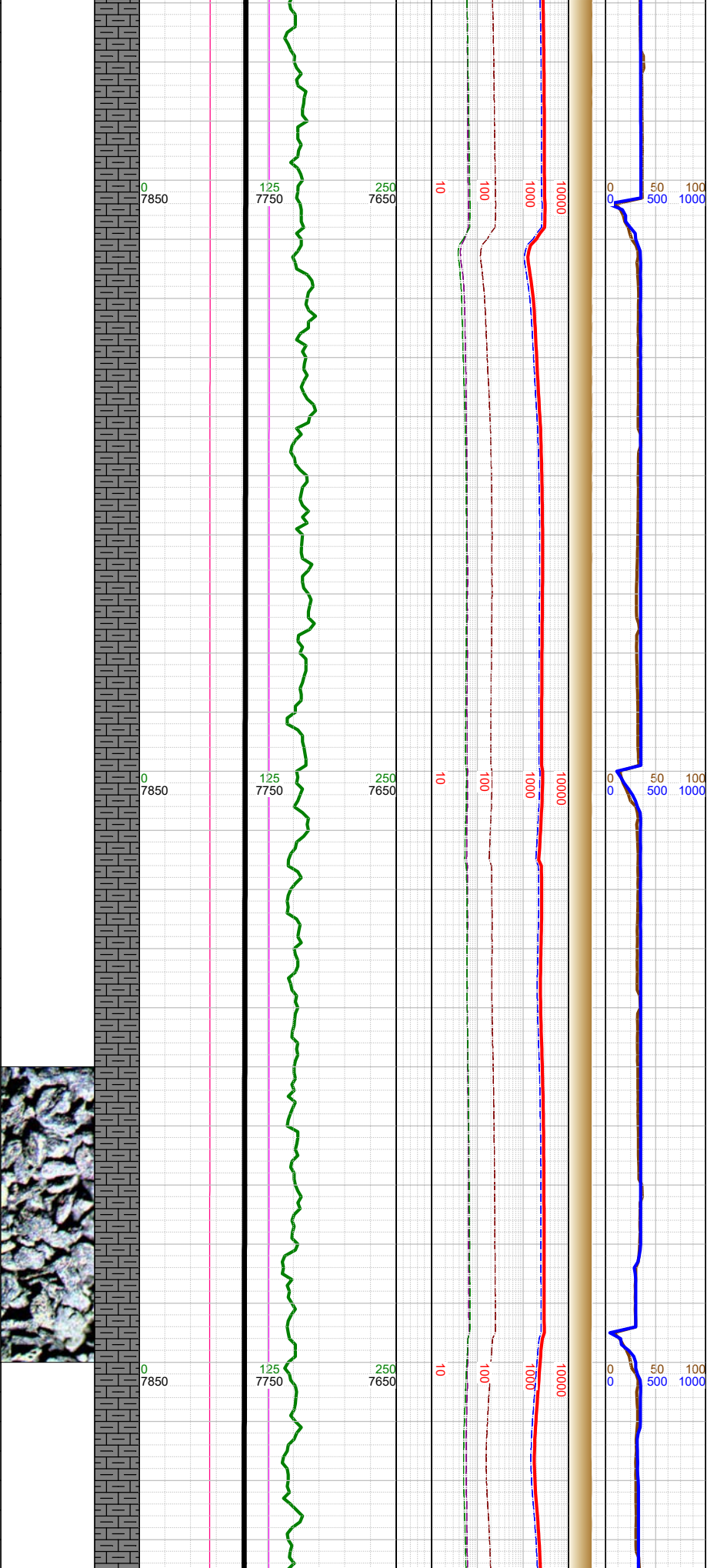




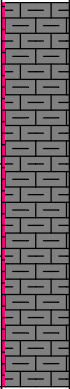




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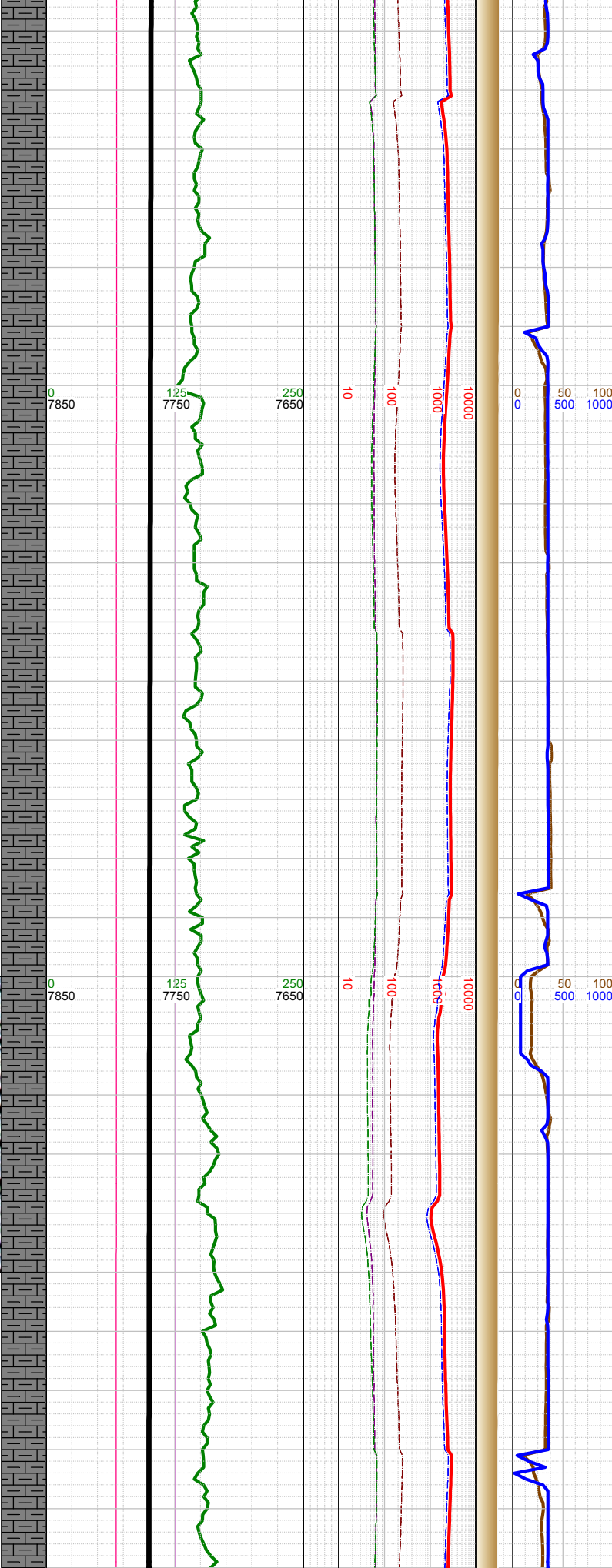
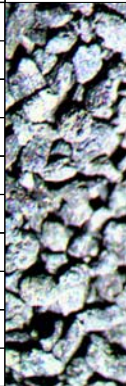


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| Σ | -17280 INC 89.9, AZM 180.85, TVD 7767.13 | |
| Σ | -17300 WT 9.9, VIS 47 | |
| Σ | | |
| Σ | -17376 INC 89.65, AZM 181.41, TVD 7767.5 | |
| Σ | -17400 WT 9.9, VIS 46 | |
| Σ | | |
| Σ | -17471 INC 89.62, AZM 182.34, TVD 7768.11 | |
| Σ | -17500 WT 9.9, VIS 46 | |



-17500 MARL: dk gy-blk,
sbbiky-sbplty, sft-sbfrm,
mod calc, sl arg; CHK: med
gy, sft-sbfrm, sbbiky, mot,
v calc, rthy lstr; tr bent; tr
pyr;

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-17567 INC
89.62, AZM
183.11, TVD
7768.75

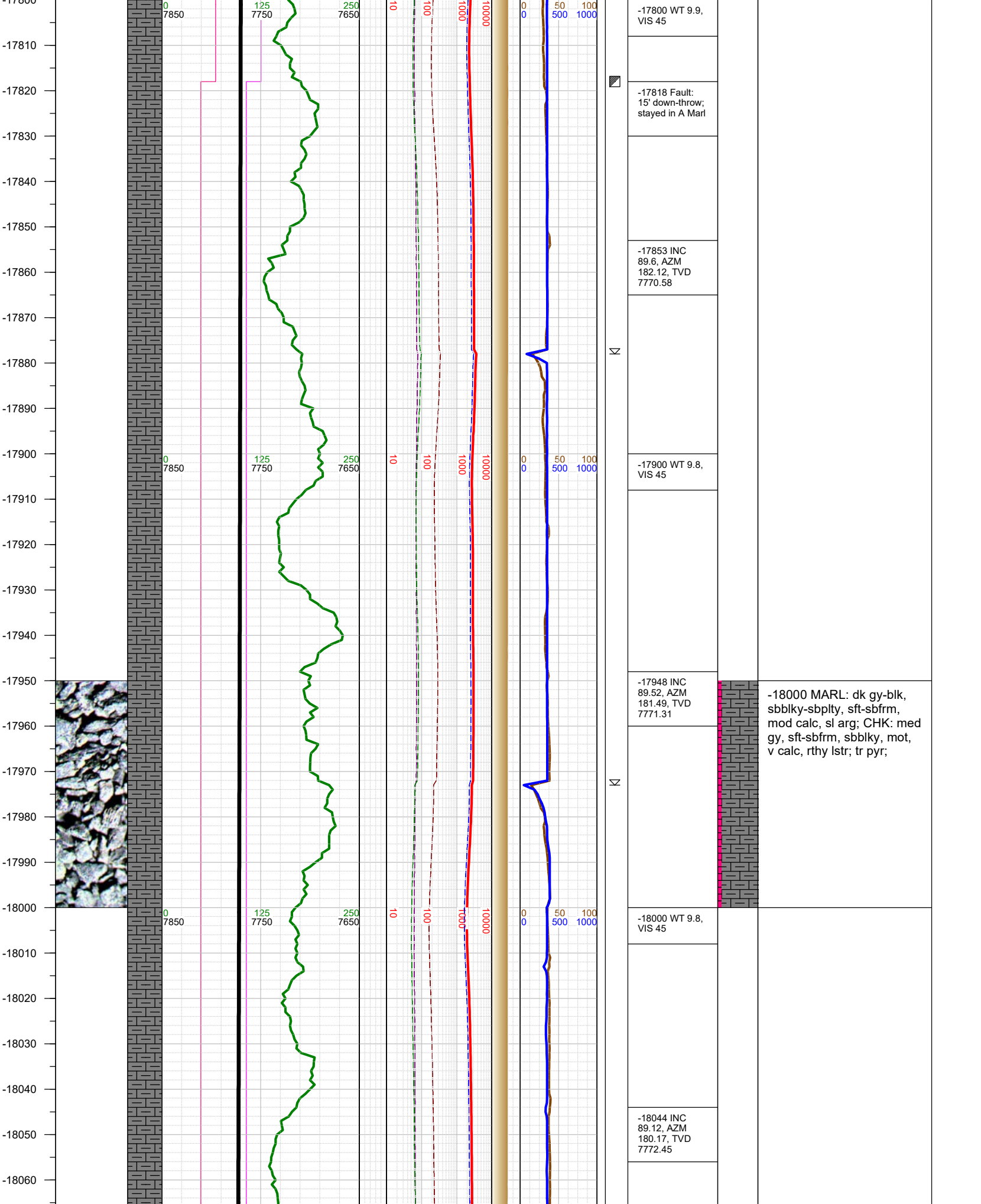
-17600 WT 9.9,
VIS 46

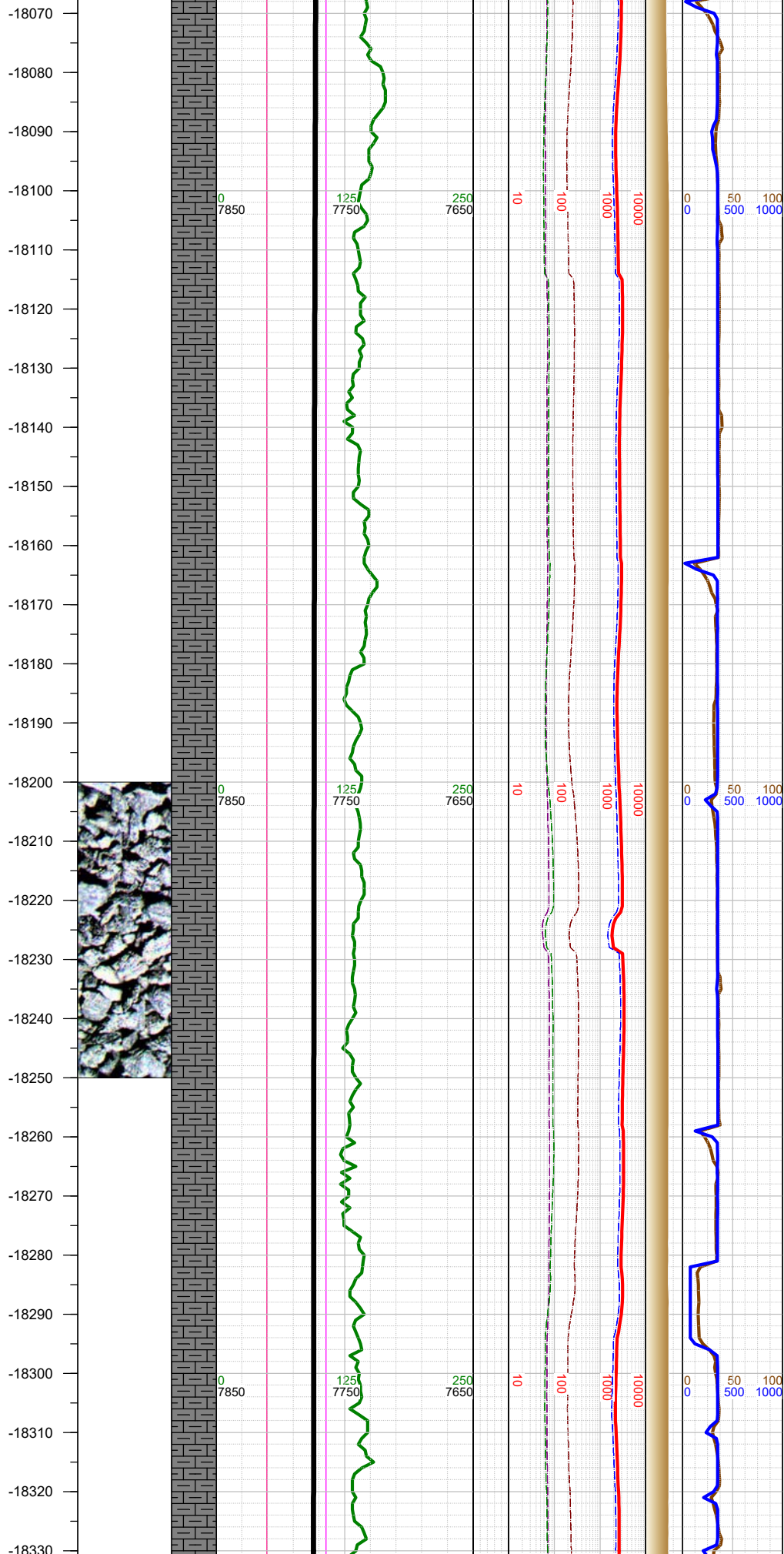
-17663 INC
89.59, AZM
184.4, TVD
7769.41

-17700 WT 9.9,
VIS 45

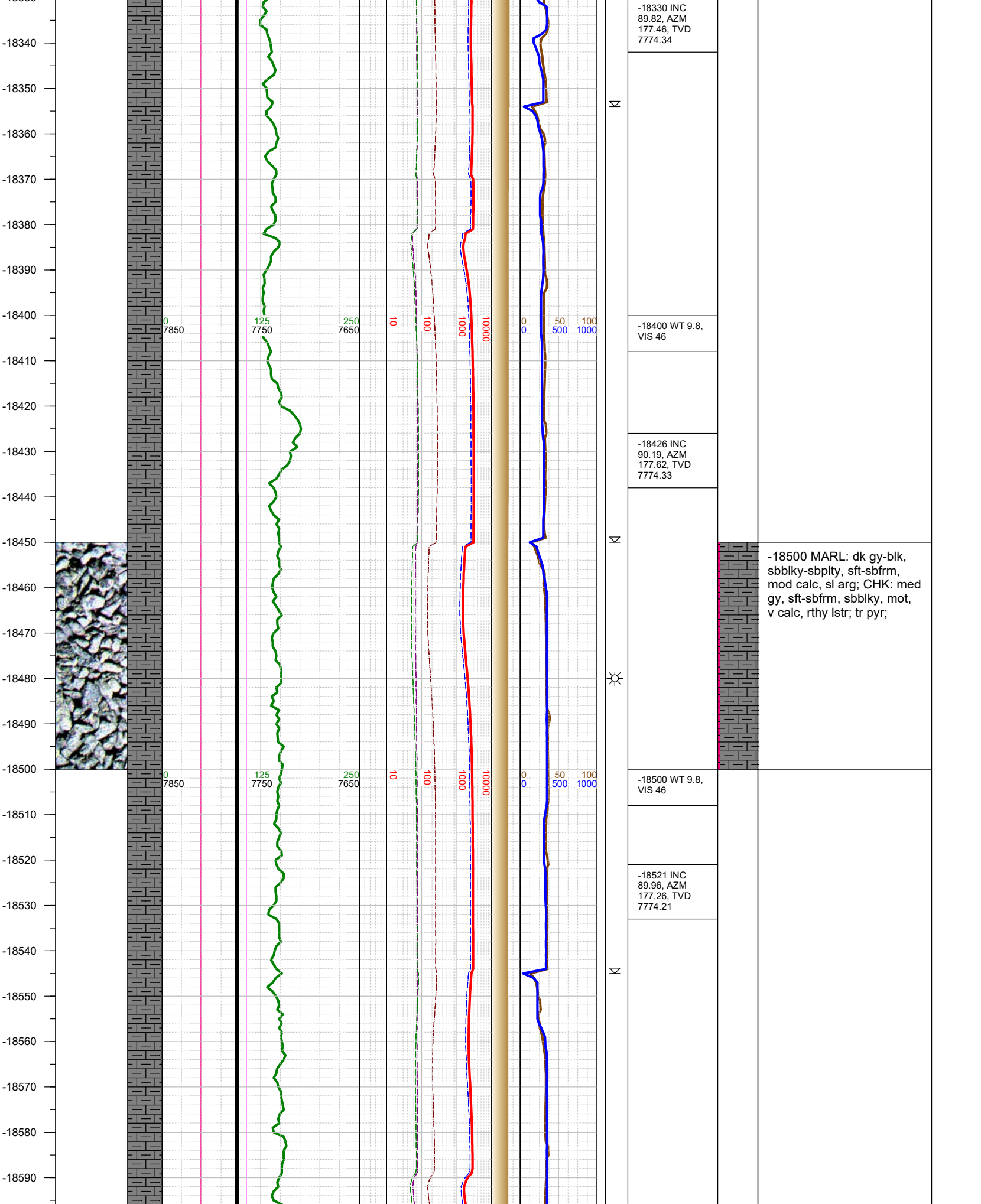
-17758 INC
89.7, AZM
182.75, TVD
7770

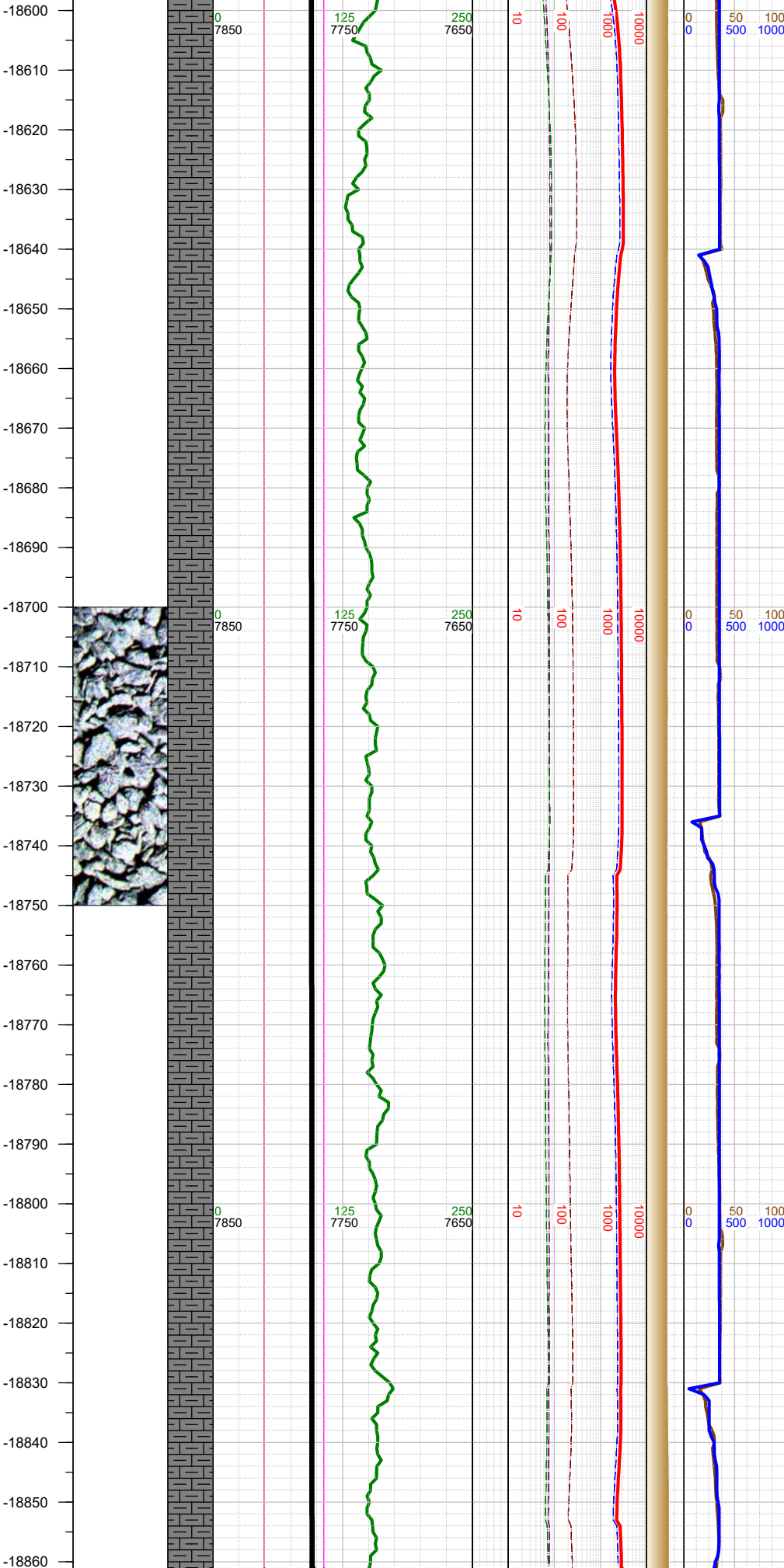
-17750 MARL: dk gy-blk,
sbbiky-sbplty, sft-sbfrm,
mod calc, sl arg; CHK: med
gy, sft-sbfrm, sbbiky, mot,
v calc, rthy lstr; tr pyr;





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|---|---|--|--|
| N | | | |
| | -18100 WT 9.8, VIS 45 | | |
| N | | | |
| | -18139 INC 89.52, AZM 179.23, TVD 7773.57 | | |
| | | | |
| N | -18200 WT 9.8, VIS 45 | | -18250 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; tr fos frags; tr bent; tr pyr; |
| | | | |
| | -18235 INC 89.87, AZM 178.5, TVD 7774.08 | | |
| N | | | |
| | -18300 WT 9.8, VIS 45 | | |





-18600 WT 9.8, VIS 46

-18617 INC 89.98, AZM 176.77, TVD 7774.26

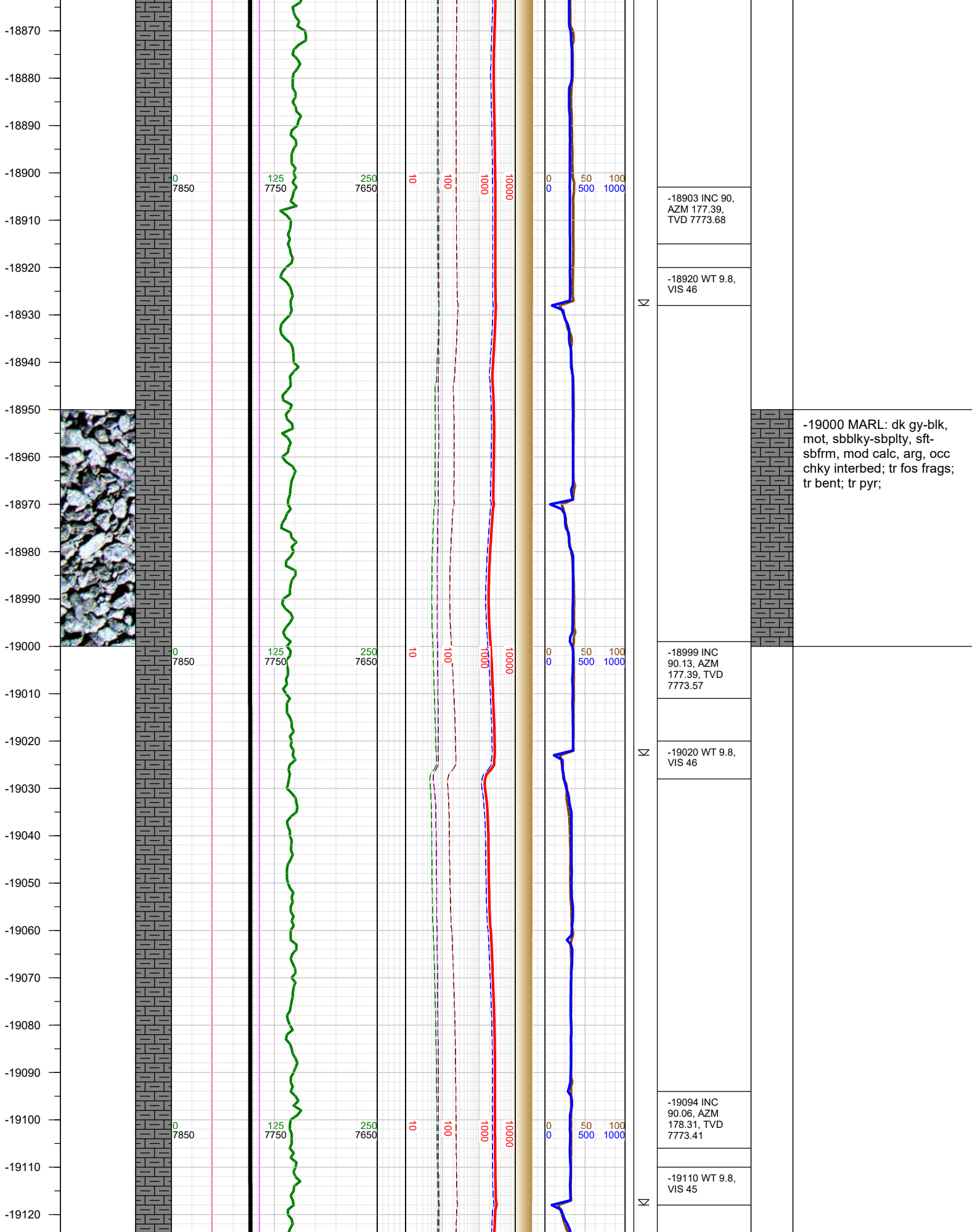
-18700 WT 9.8, VIS 46

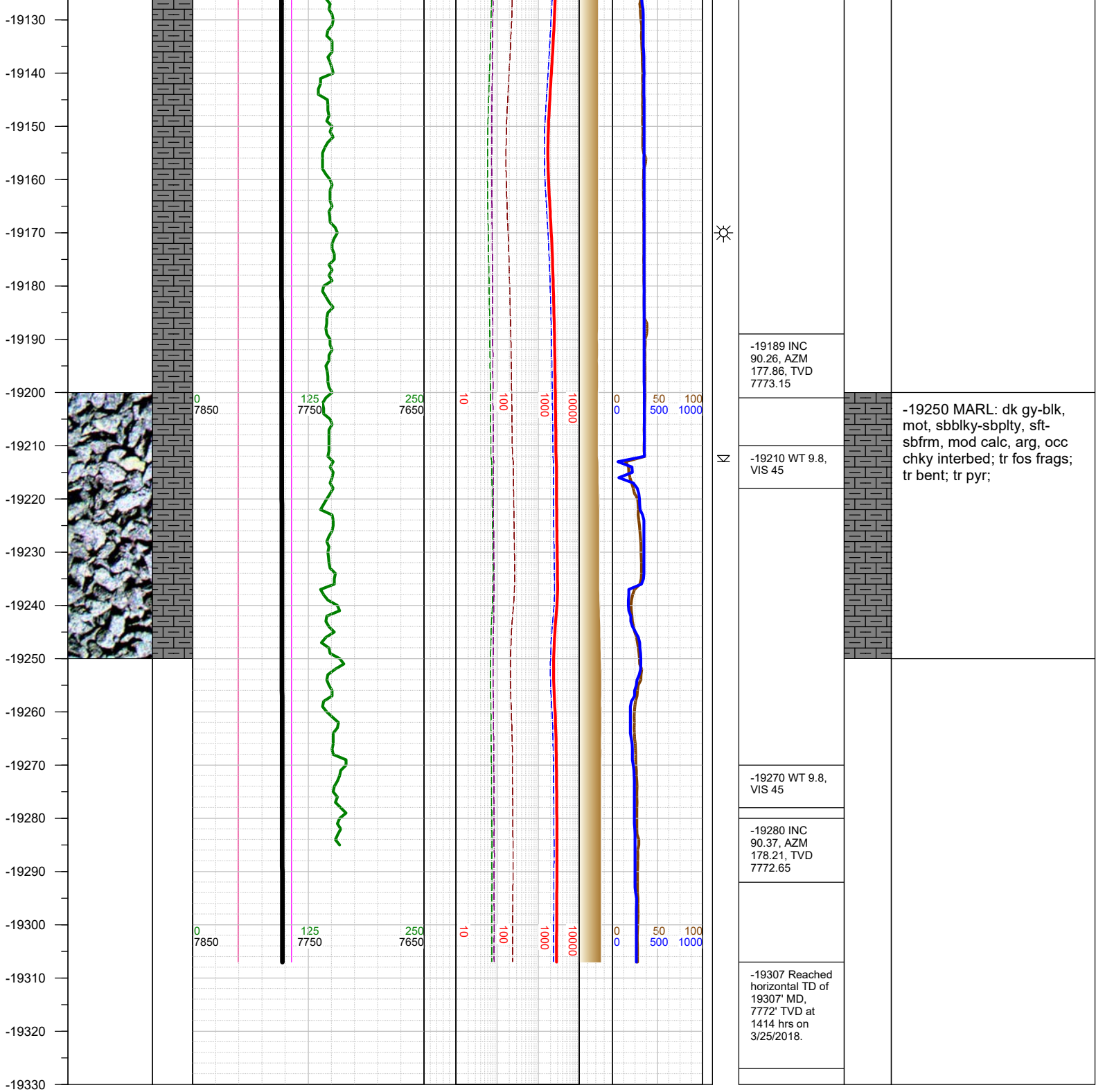
-18713 INC 90.23, AZM 176.65, TVD 7774.08

-18800 WT 9.8, VIS 46

-18808 INC 90.13, AZM 177.44, TVD 7773.78

-18750 MARL: dk gy-blk, mot, sbbky-sbply, sft-sbfrm, mod calc, arg, occ chky interbed; tr pyr; tr bent;





TOTAL DEPTH = 19307'

Thank you for using Earth Science Agency