

OPERATOR: **Bill Barrett Corp**

WELL NAME: **Anschutz State 5-62-22-3225B2**

FIELD NAME: Wattenberg

DRILLING RIG: Cade 24

API #: 05-123-41753

SCALE: 5" = 100'

SURFACE HOLE: 2045 FNL, 350 FWL

LOCATION: SWNW Sec 22, T5N, R62W



Earth Science Agency, LLC

COUNTY: Weld

STATE: Colorado

GROUND ELEVATION: 4719'

KELLY BUSHING: 4735'

DRILLING FLUID: LSND

TVD VS. MD: 6288' / 16404'

SPUD DATE: October 9, 2015

BEGIN LOGGING: 4500'; October 11, 2015

TD DATE: October 16, 2015

DATES LOGGED: October 11, 2015 - October 16, 2015

DEPTHS LOGGED: 4500' - 16404'

LOGGER: Blue Spikes, Blake Eatherton, Kyle Knight

#### LEGEND



CHALK



LIMESTONE



SHALY LIMESTONE



MARLSTONE



CALCAREOUS SHALE



DOLOMITE



SHALE



SILTY SHALE



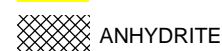
SHALY SILTSTONE



SHALY SANDSTONE

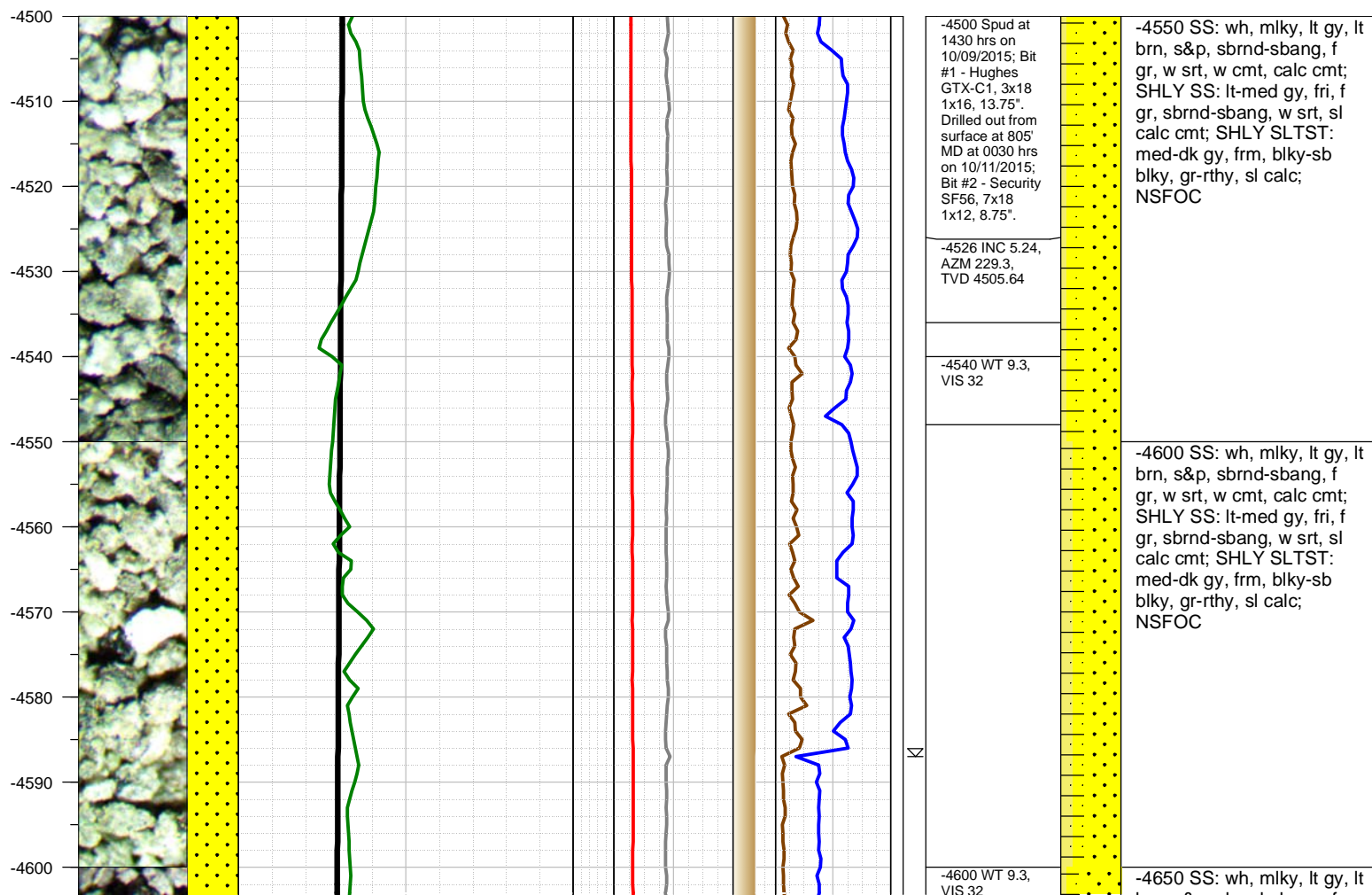
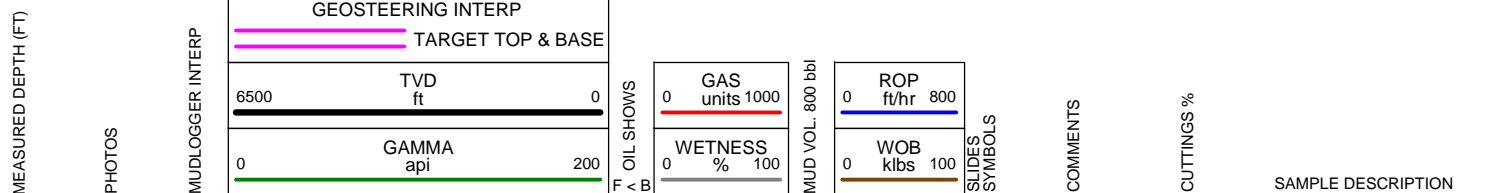


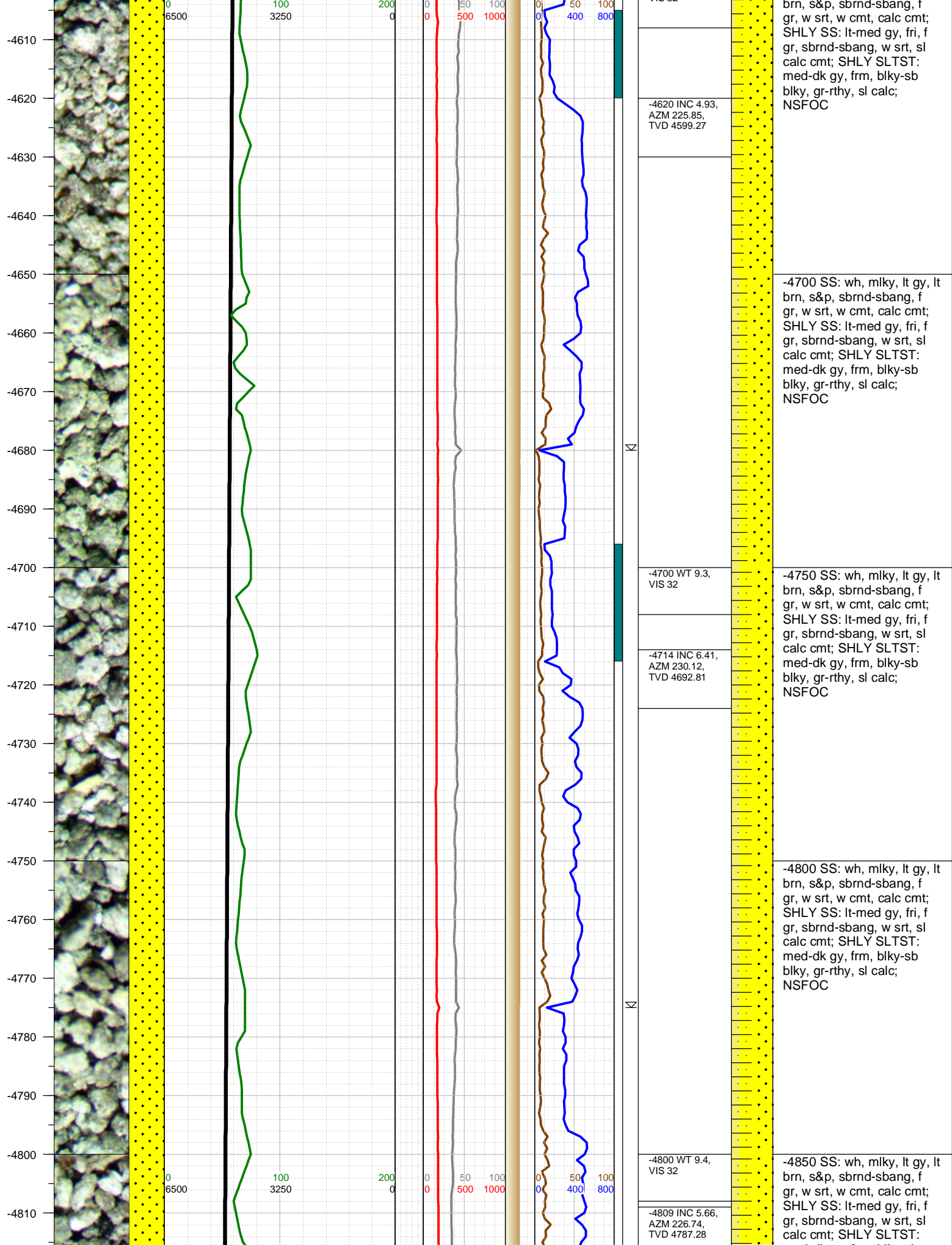
SANDSTONE

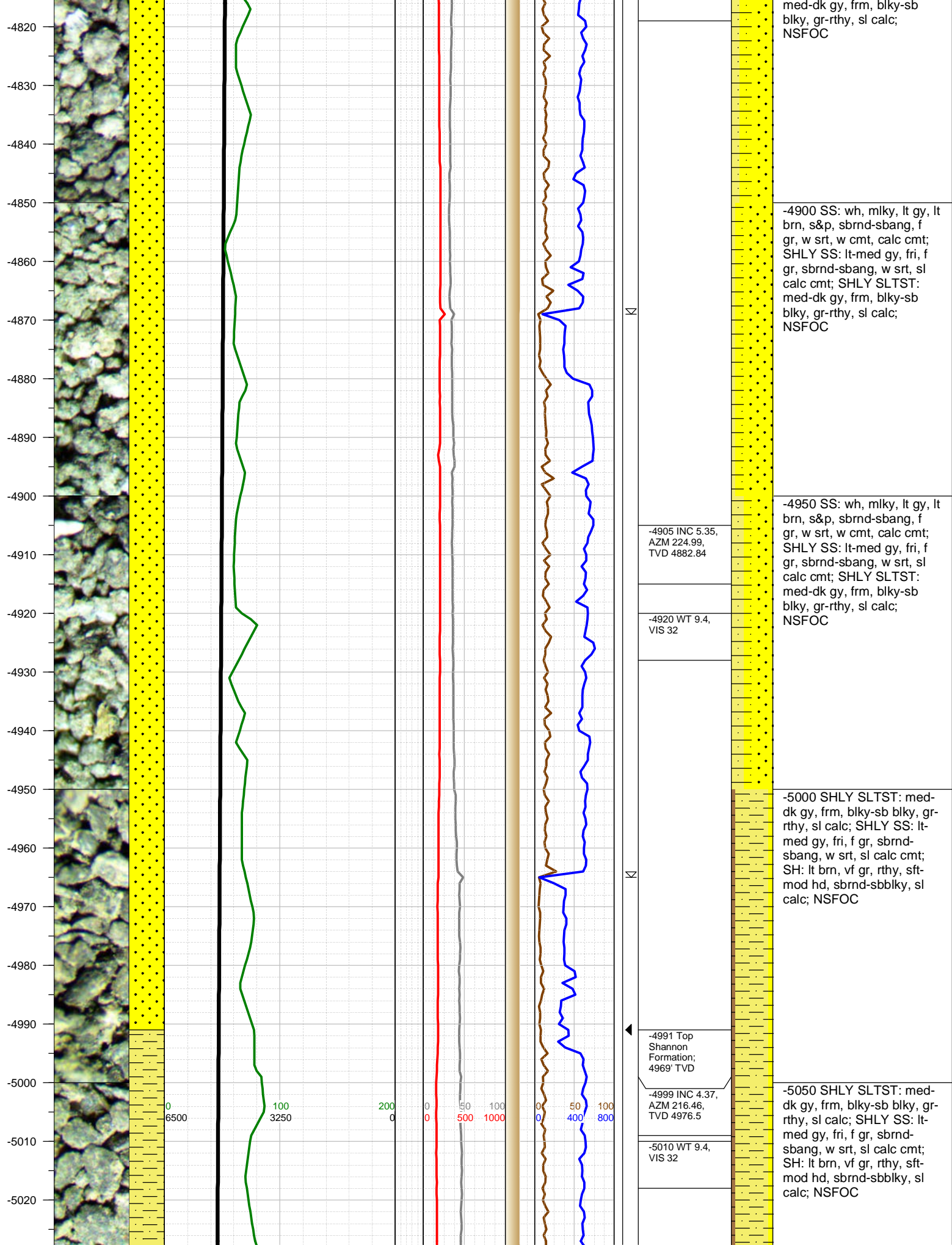


ANHYDRITE

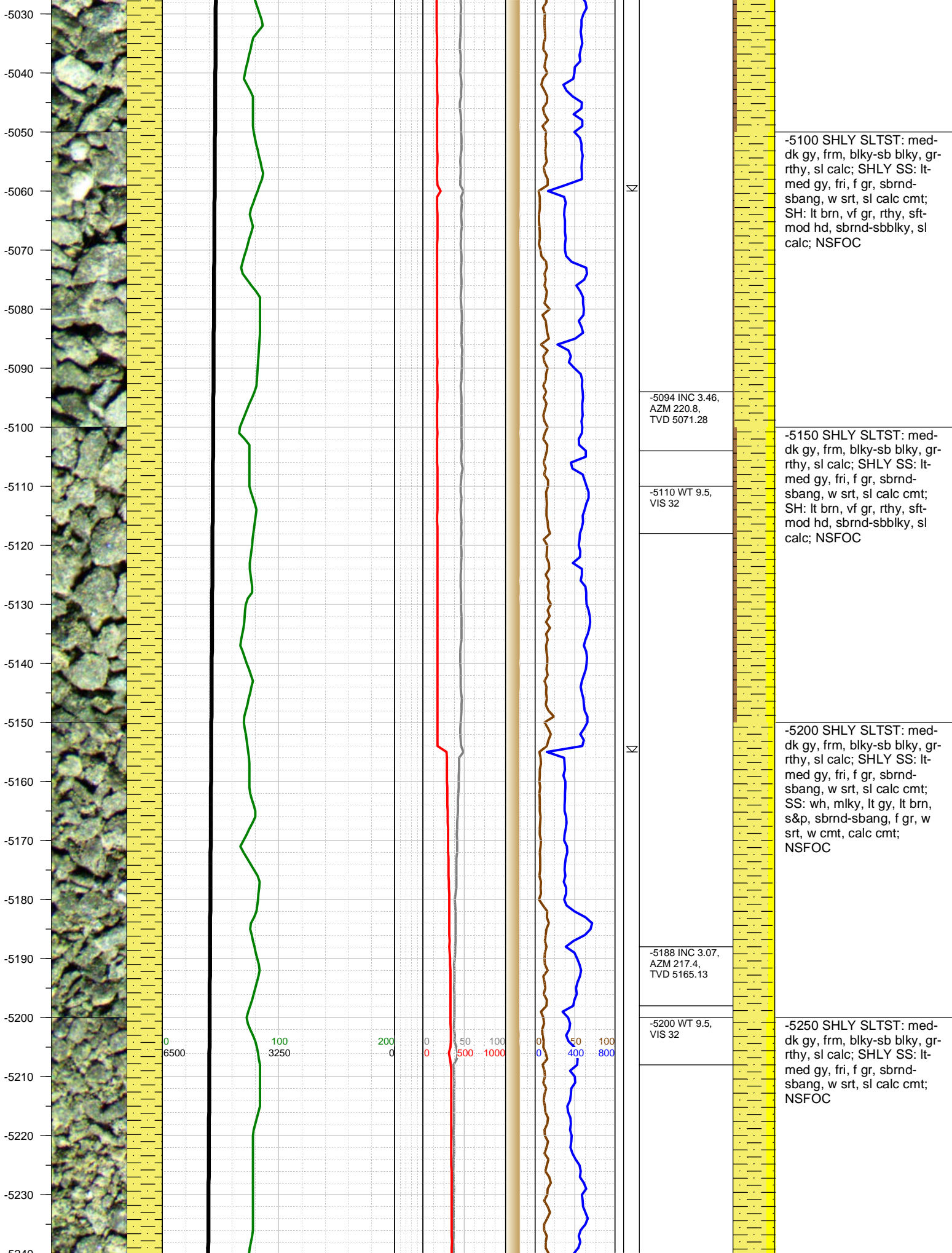
FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT



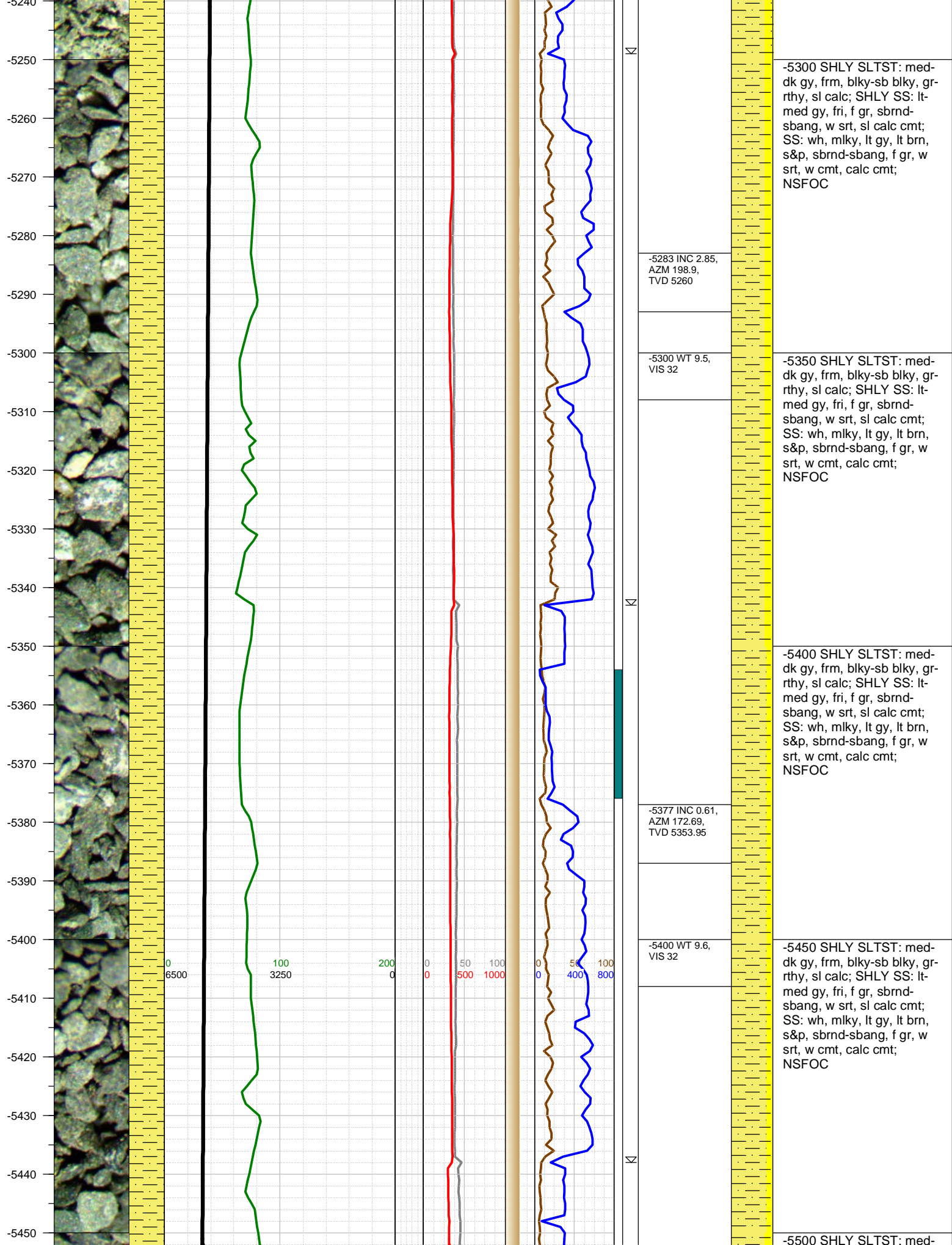


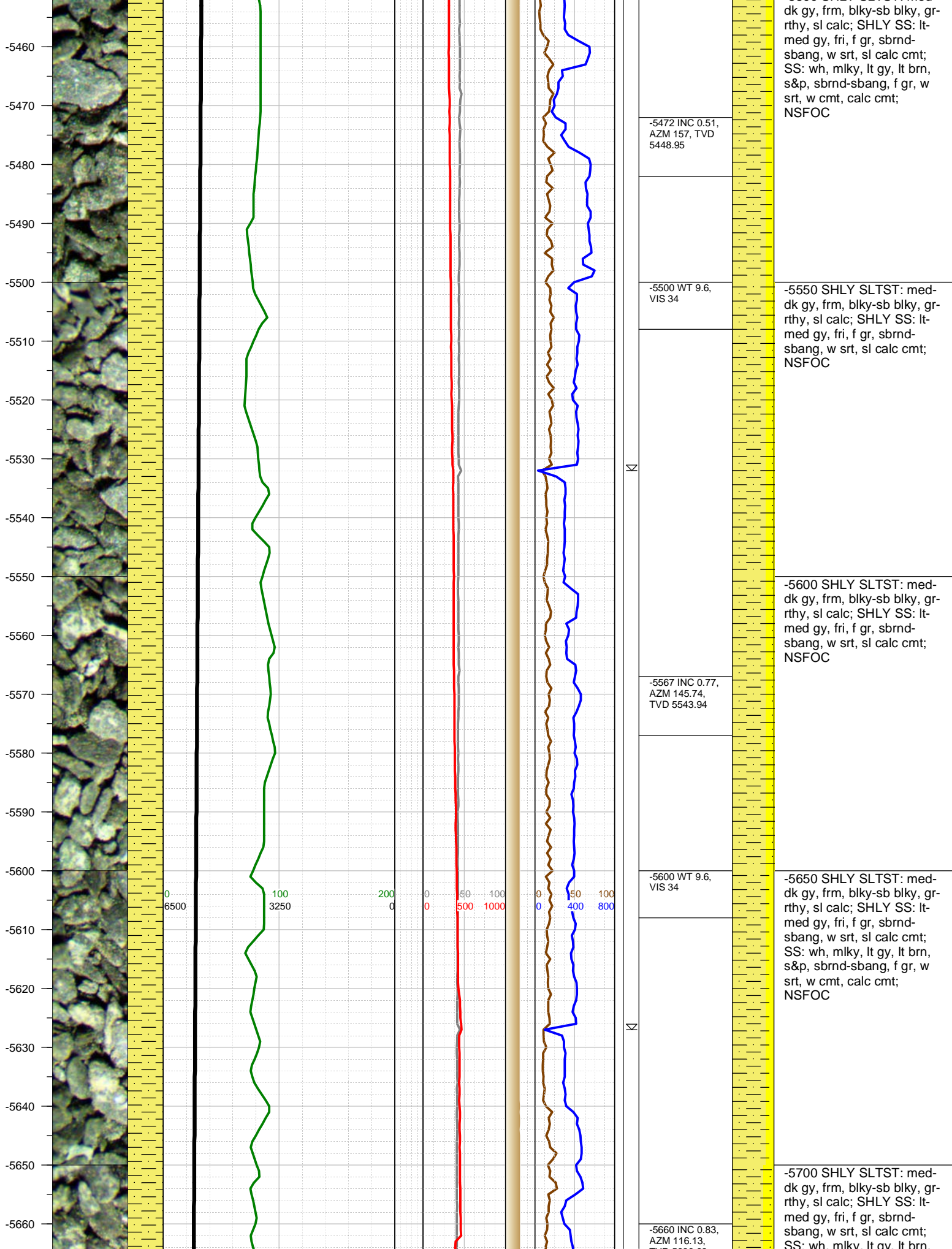


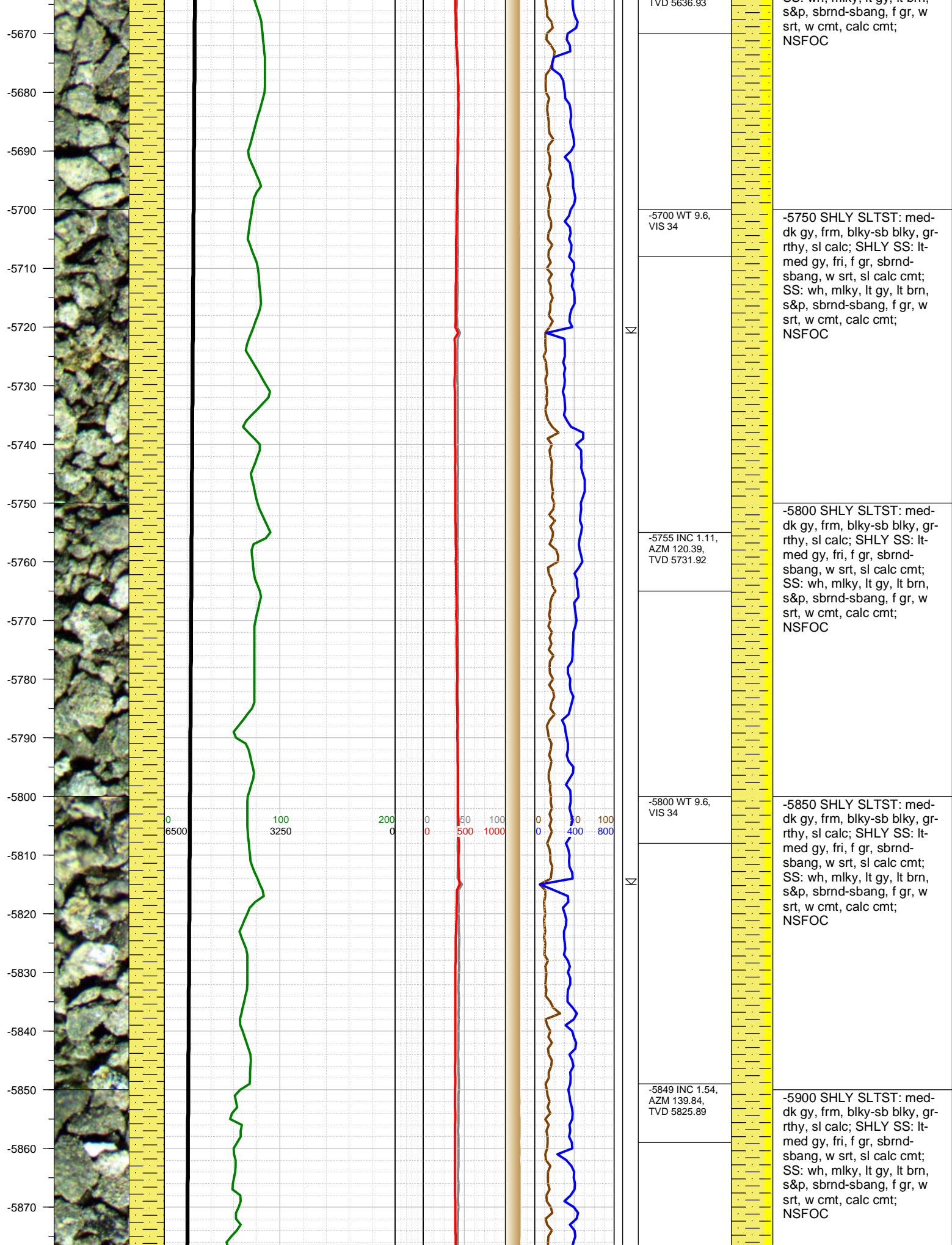




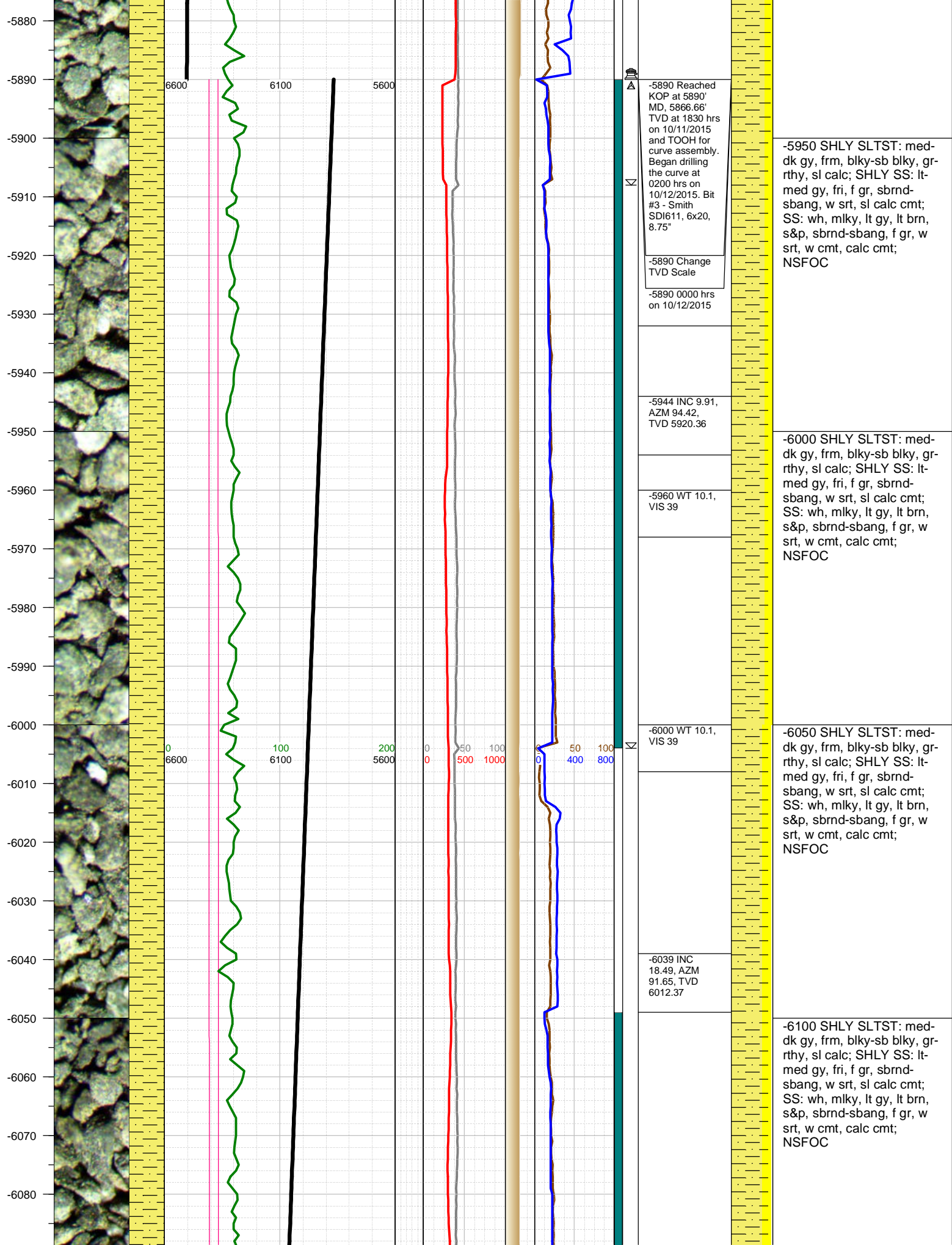


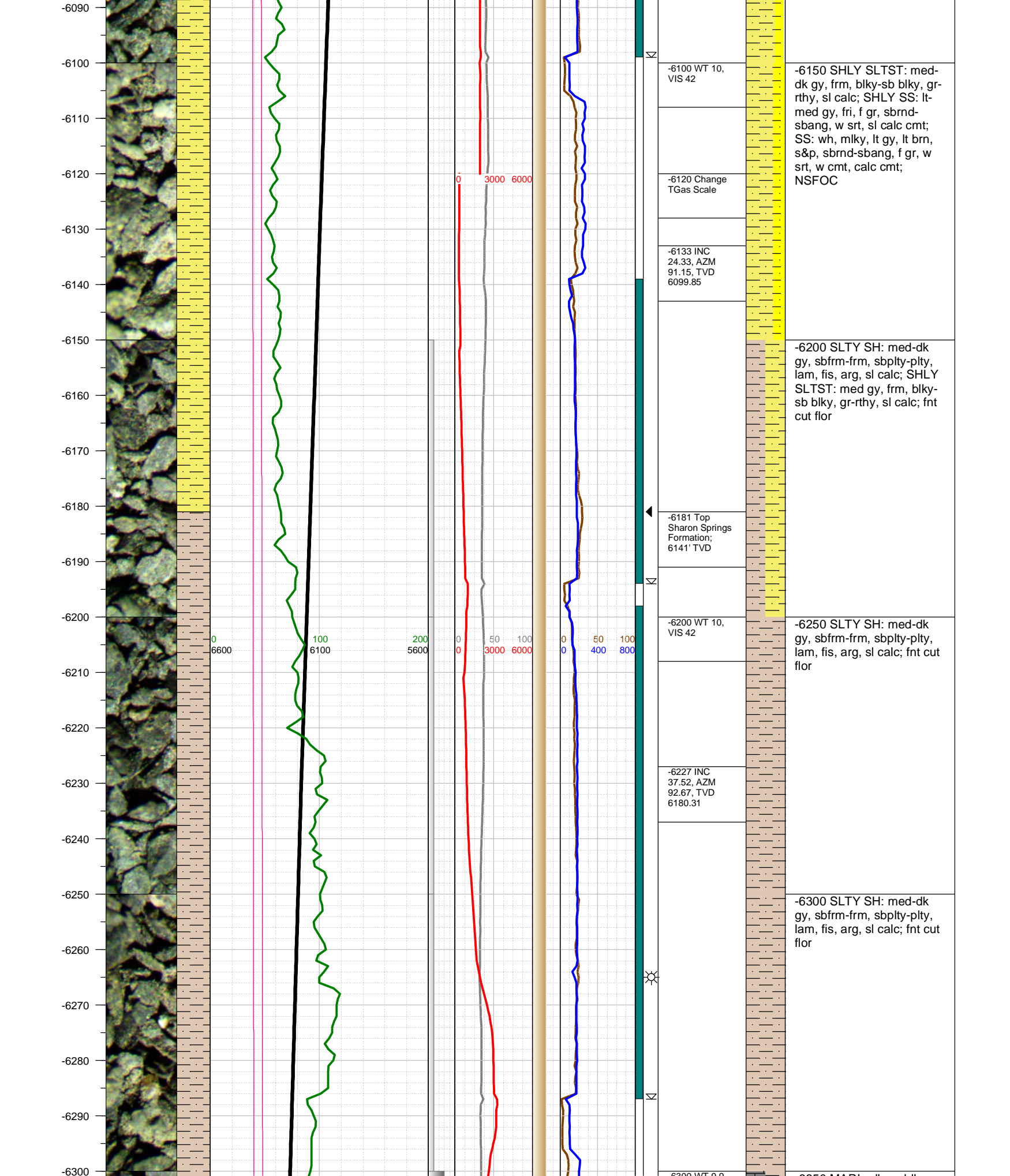


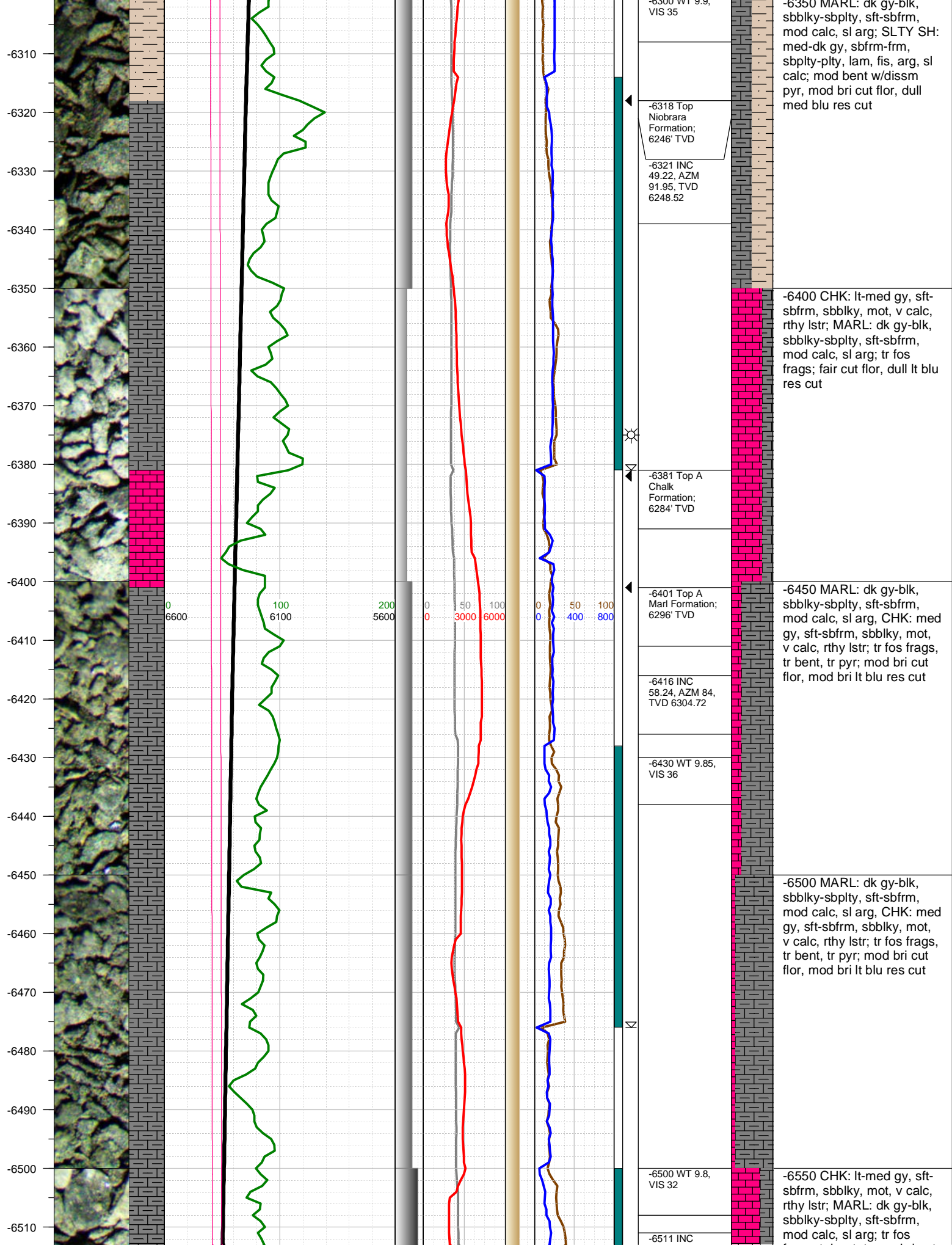




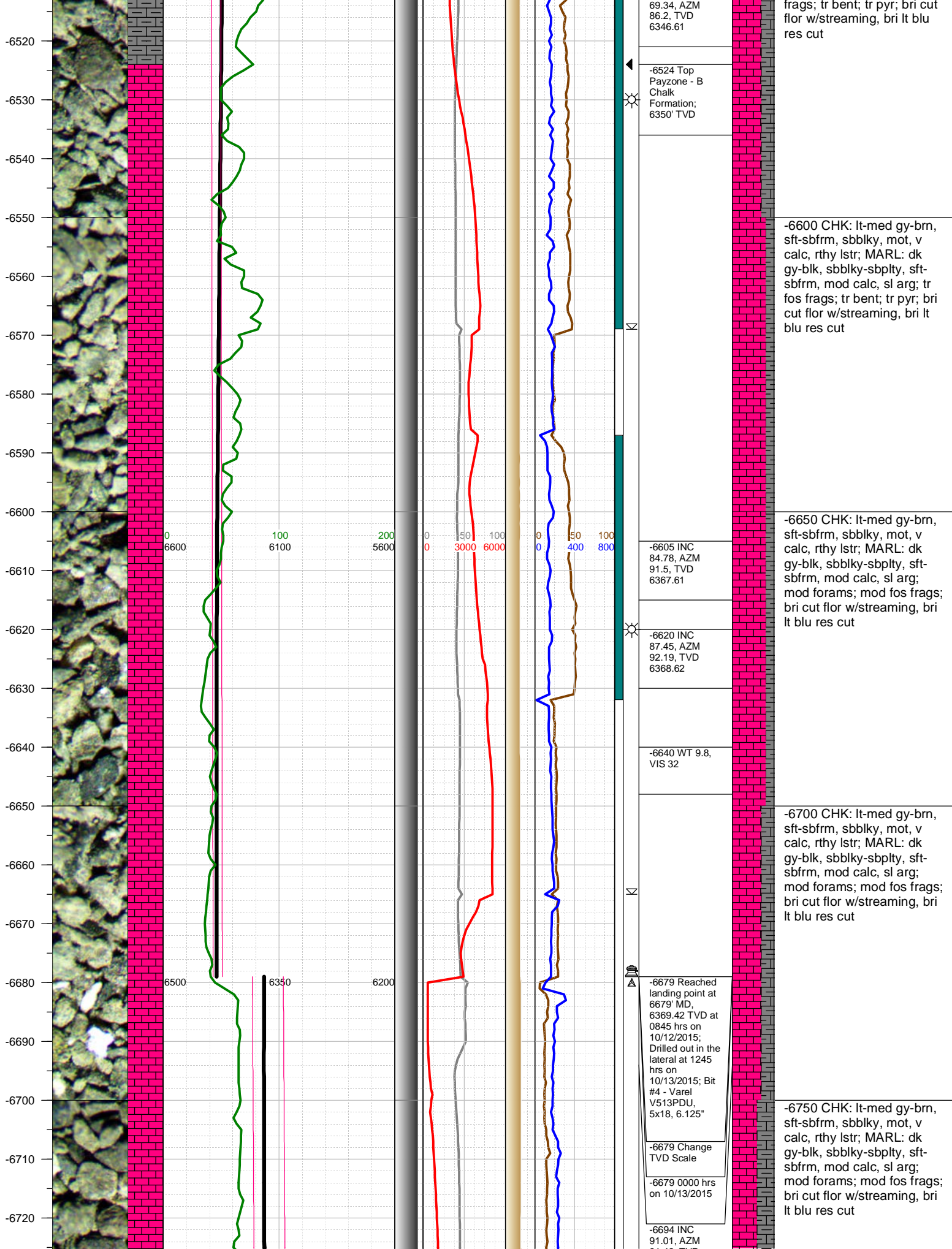


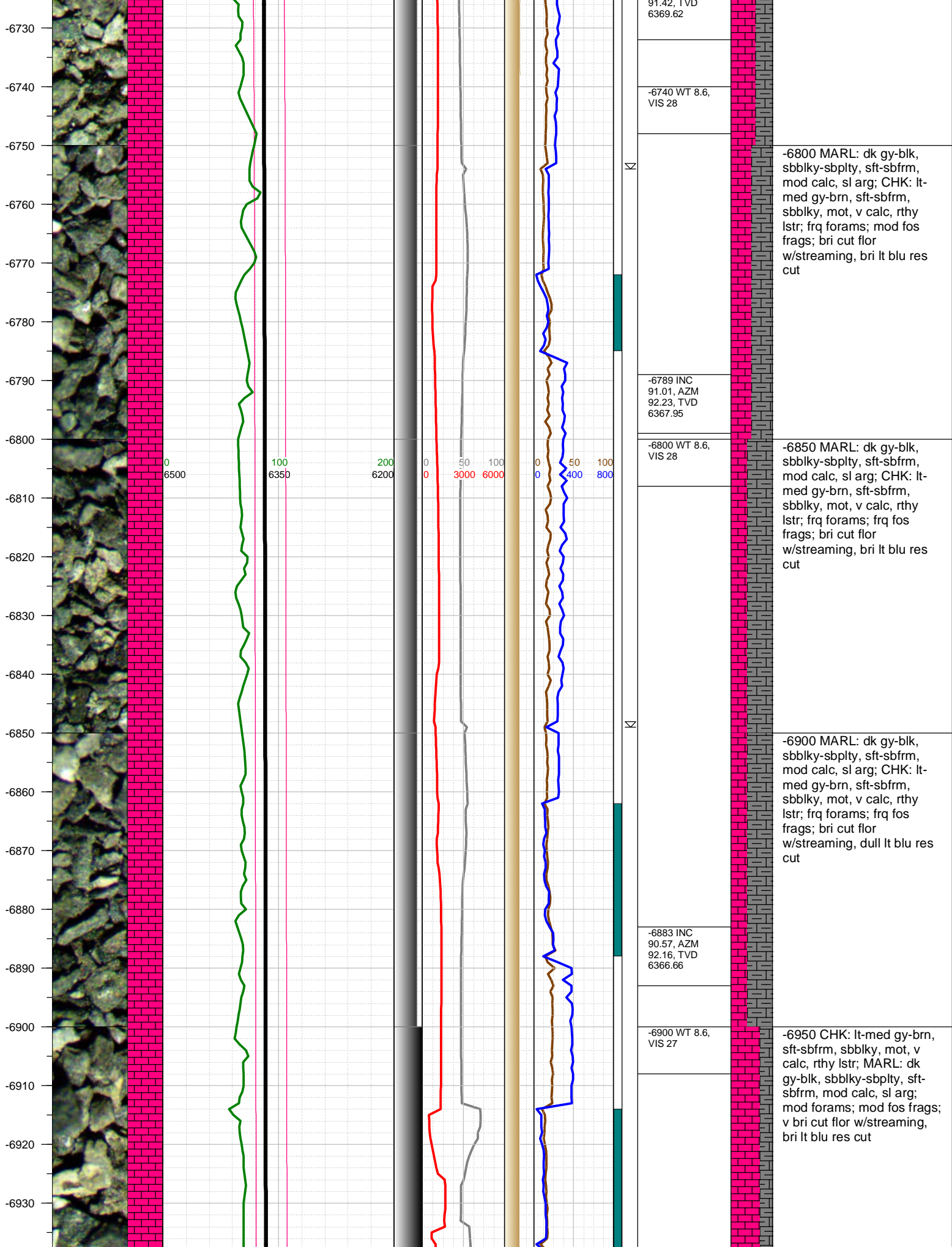


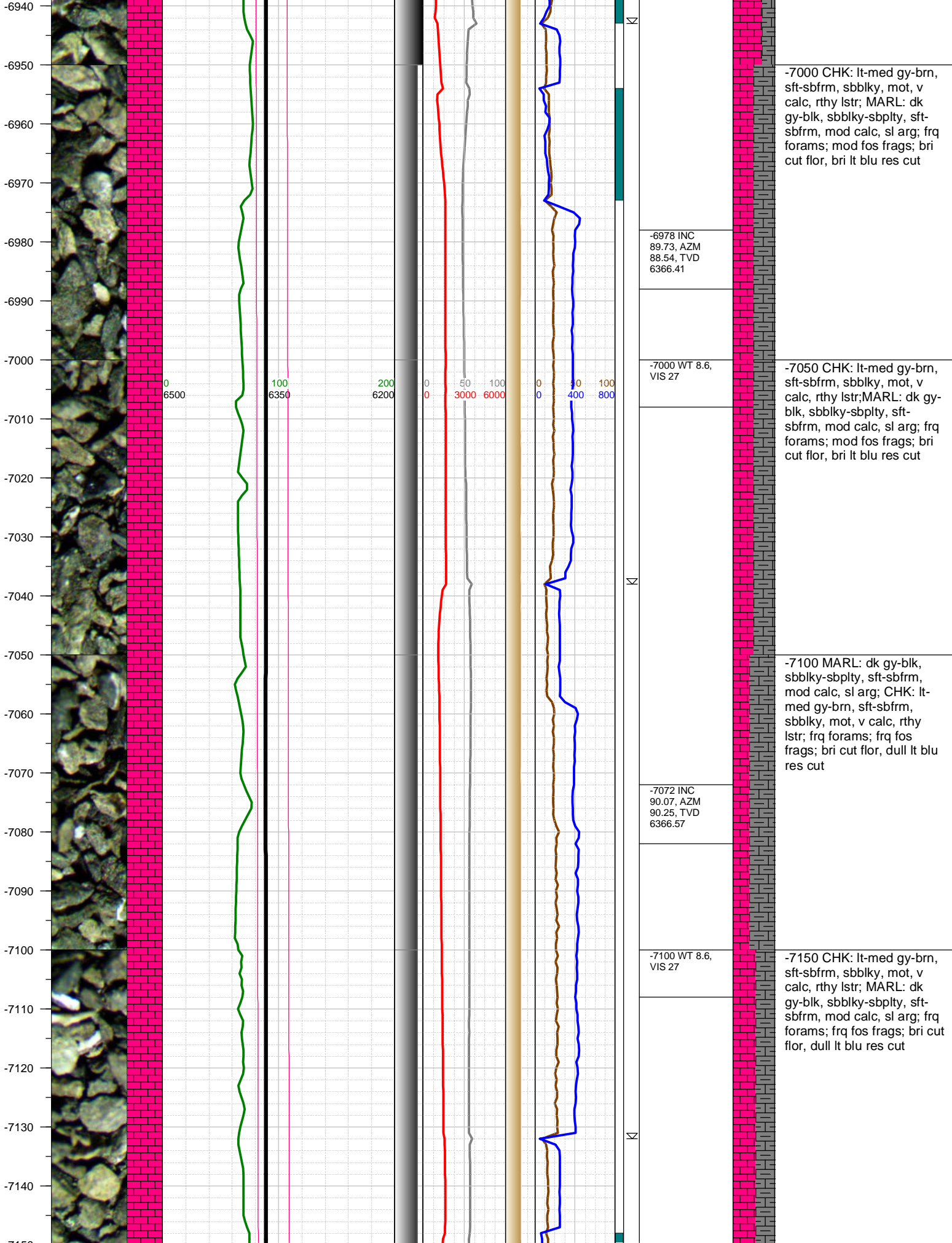




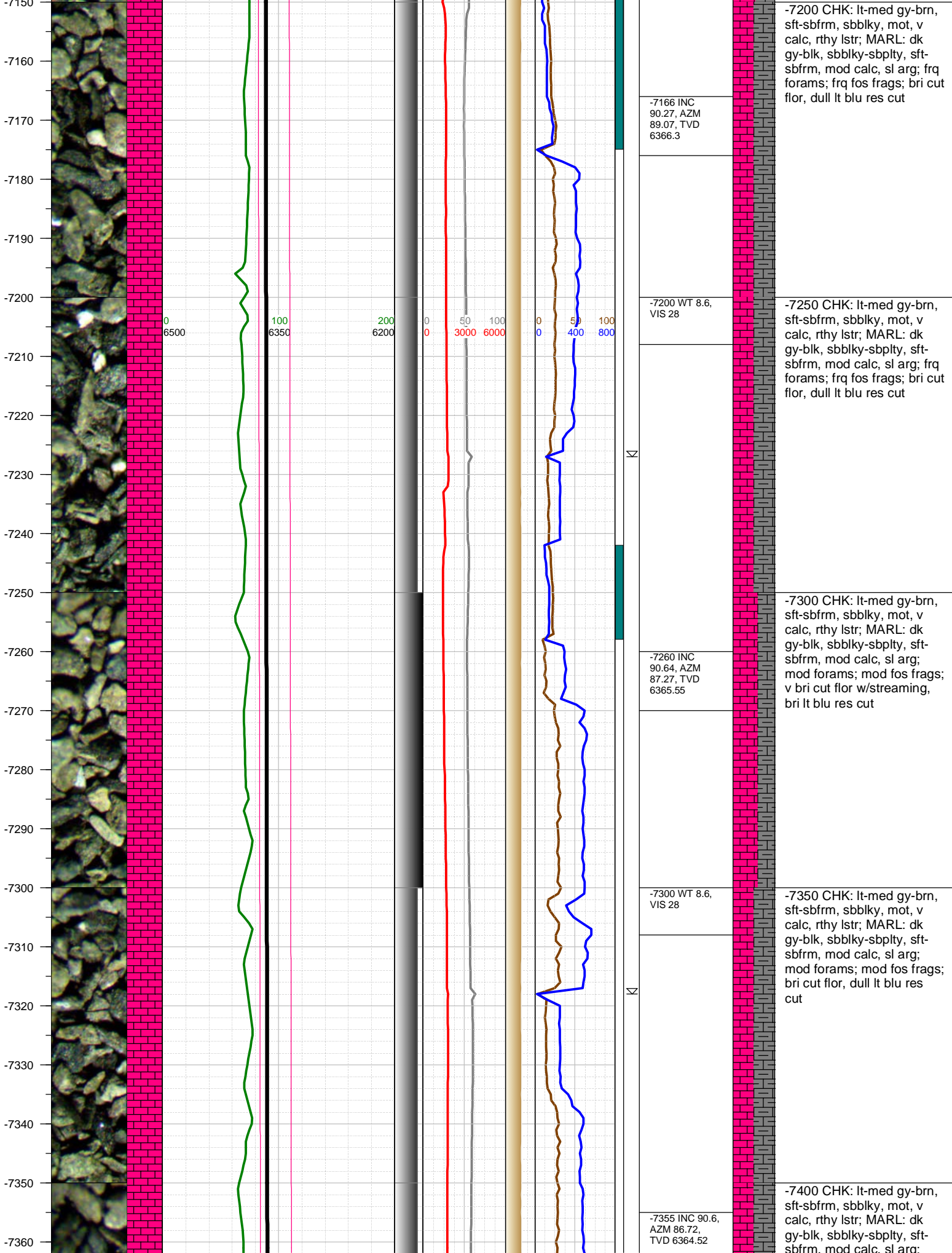


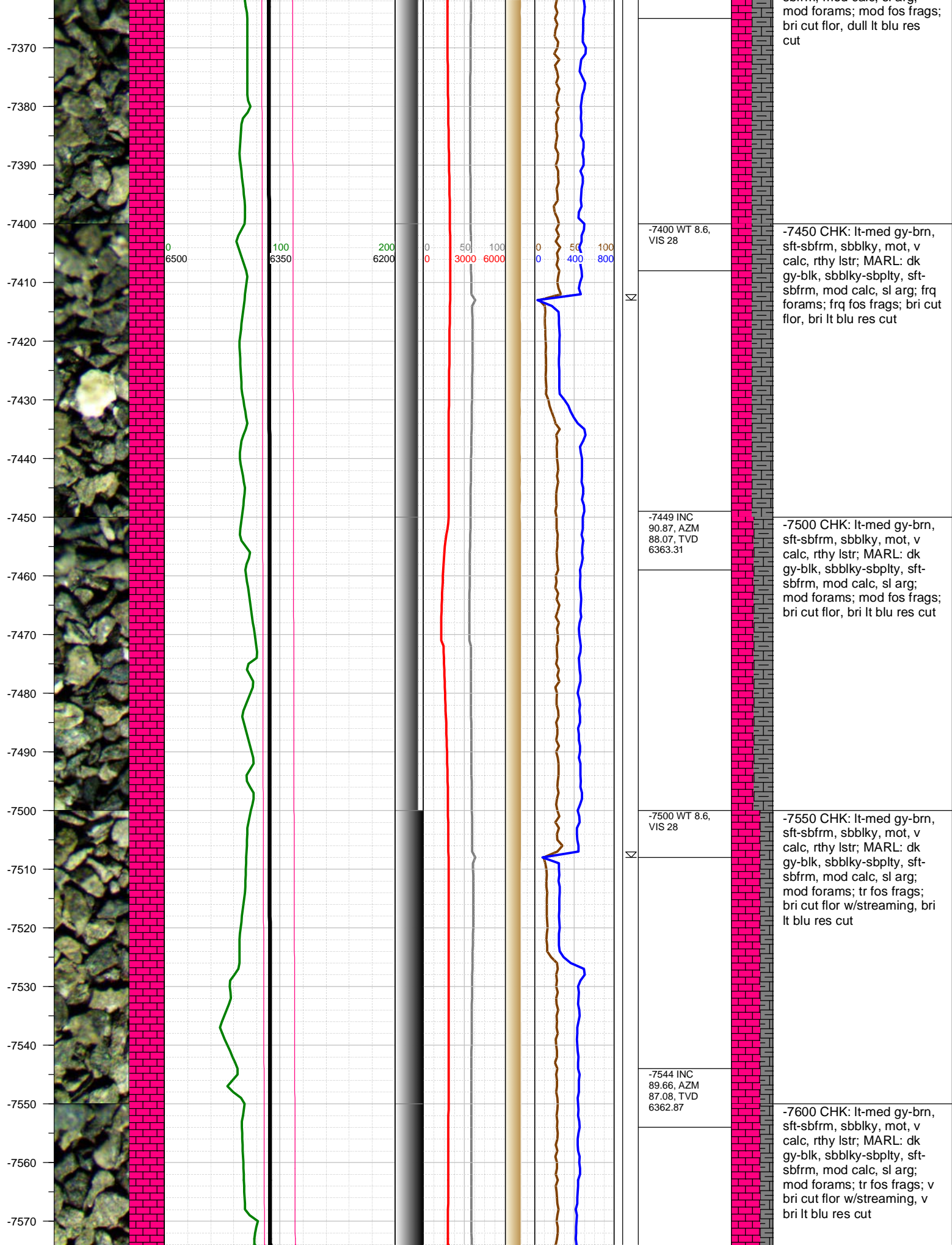


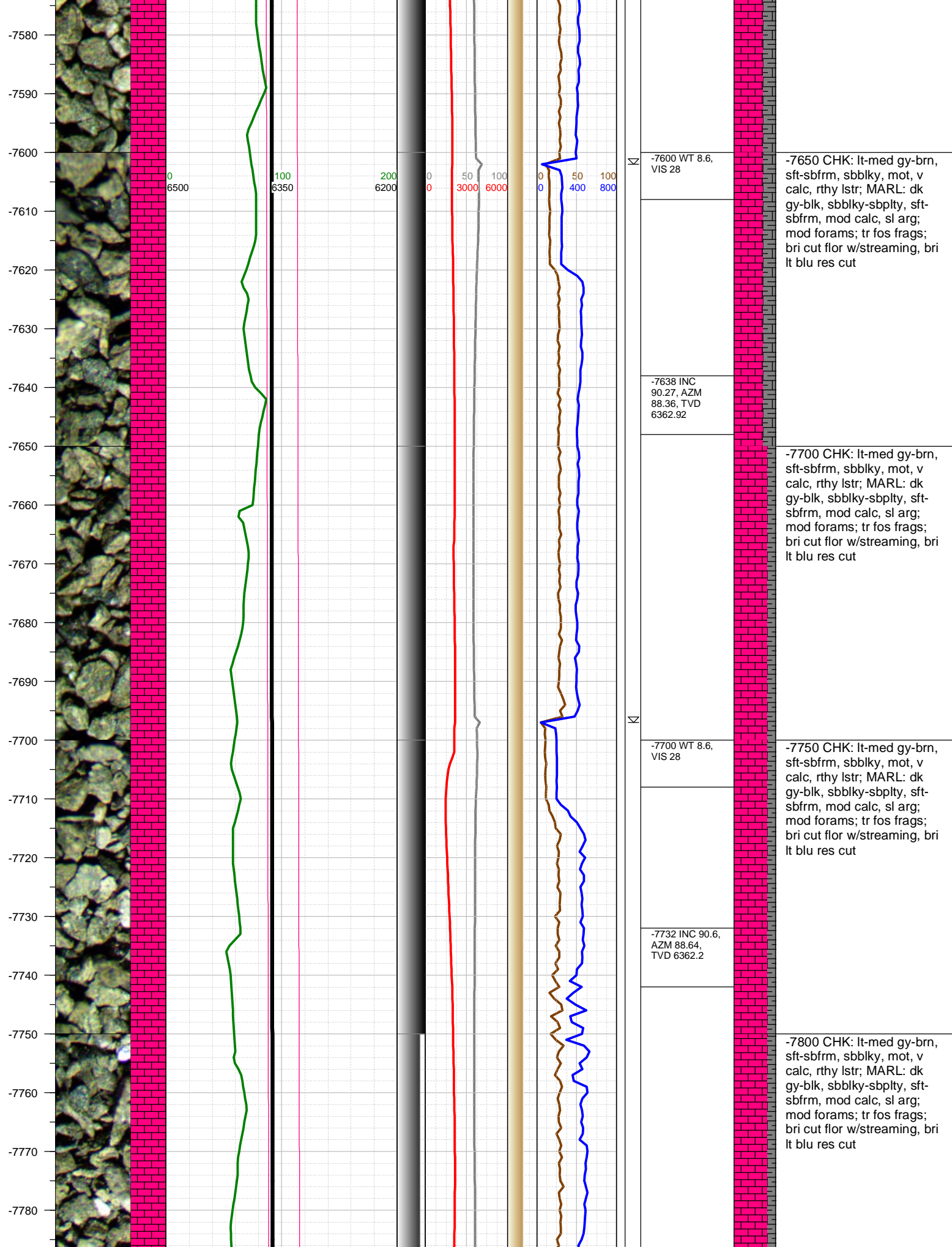




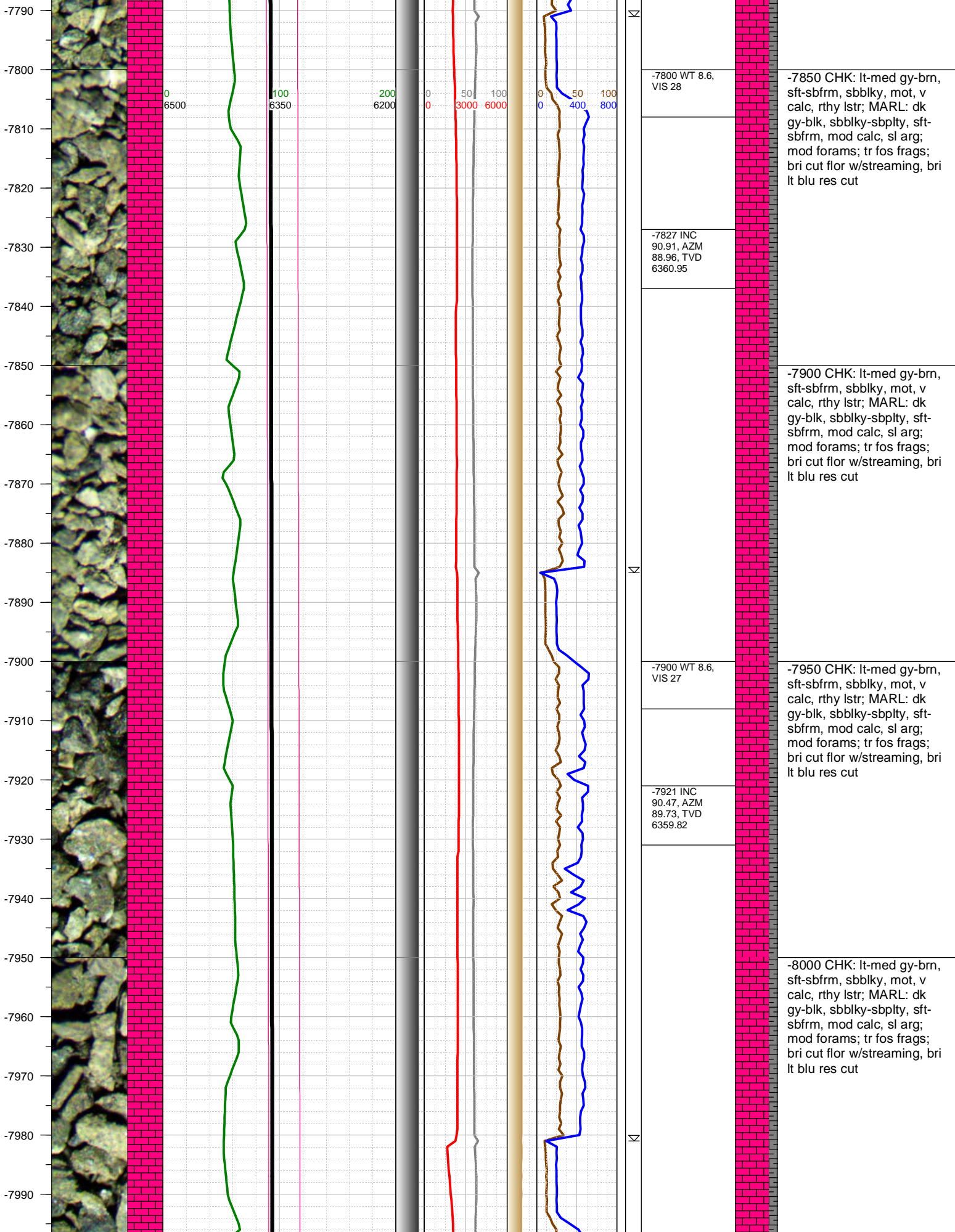


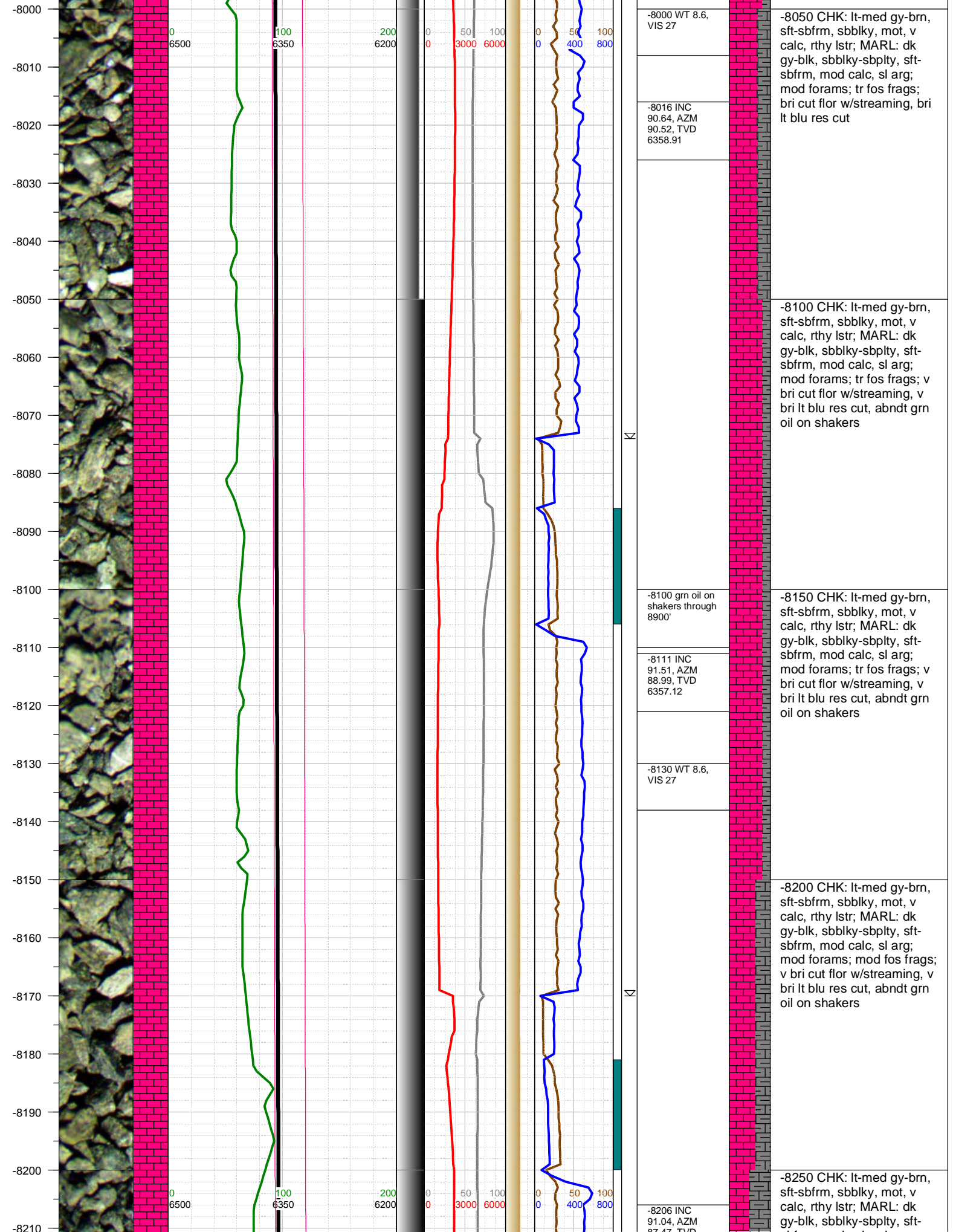


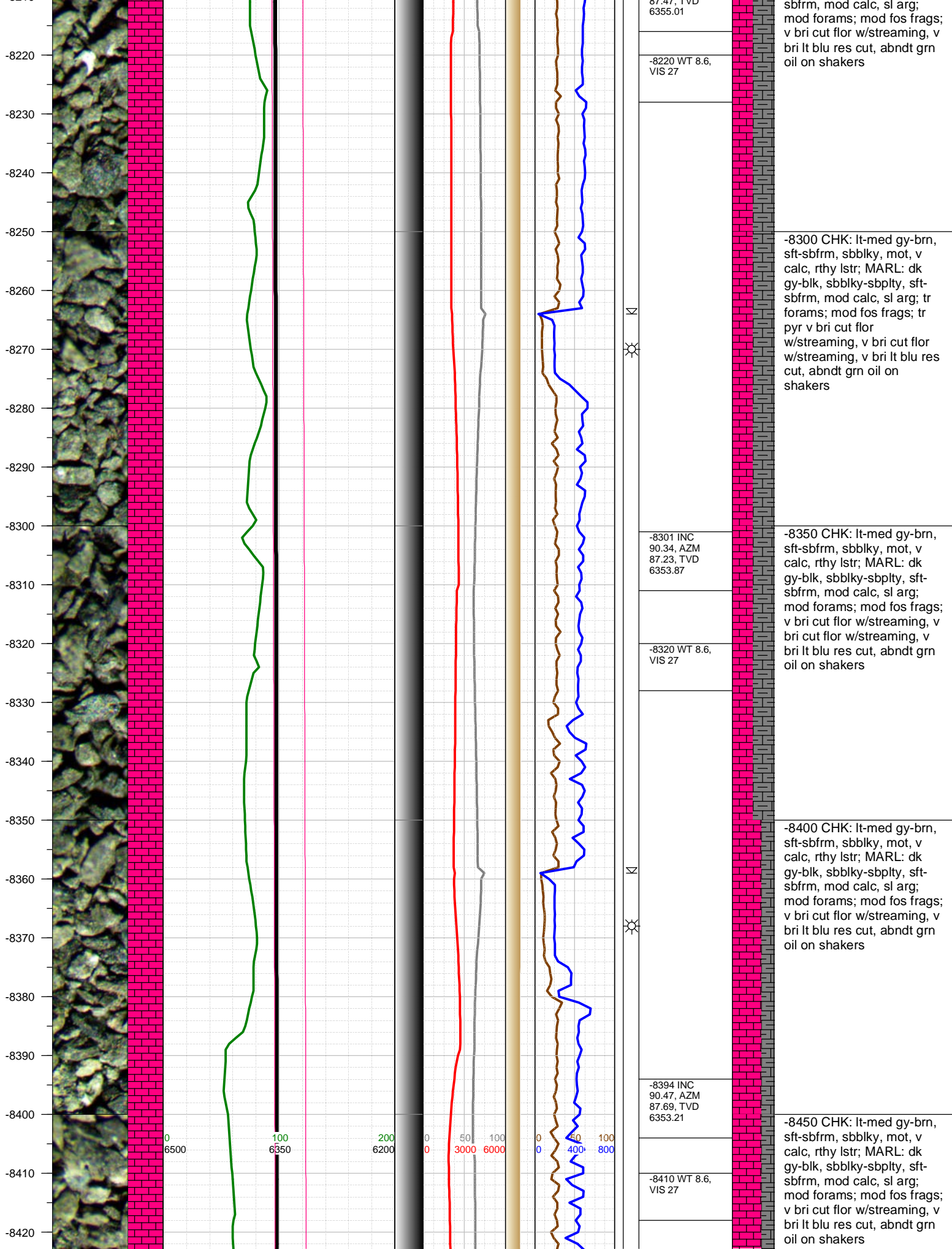




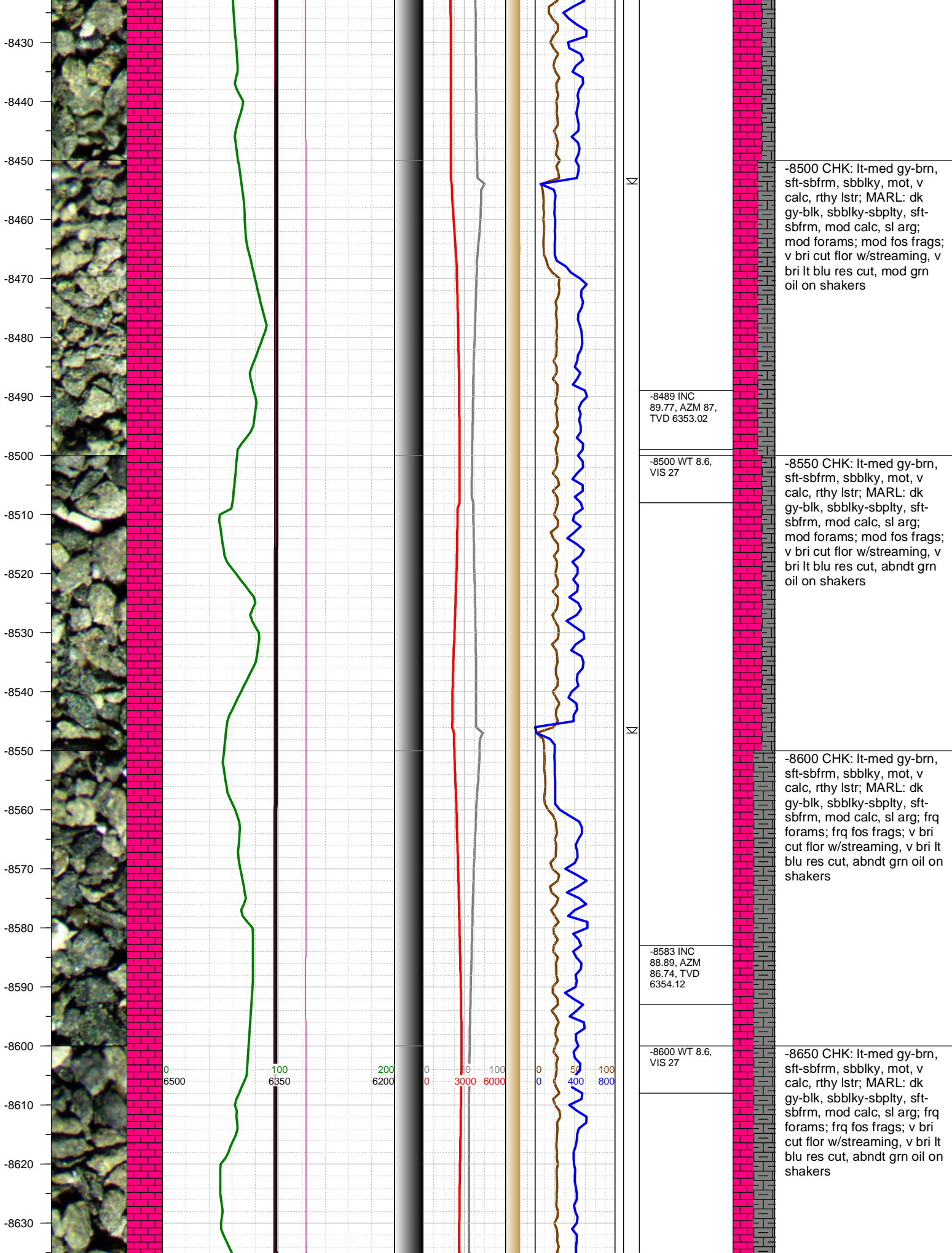


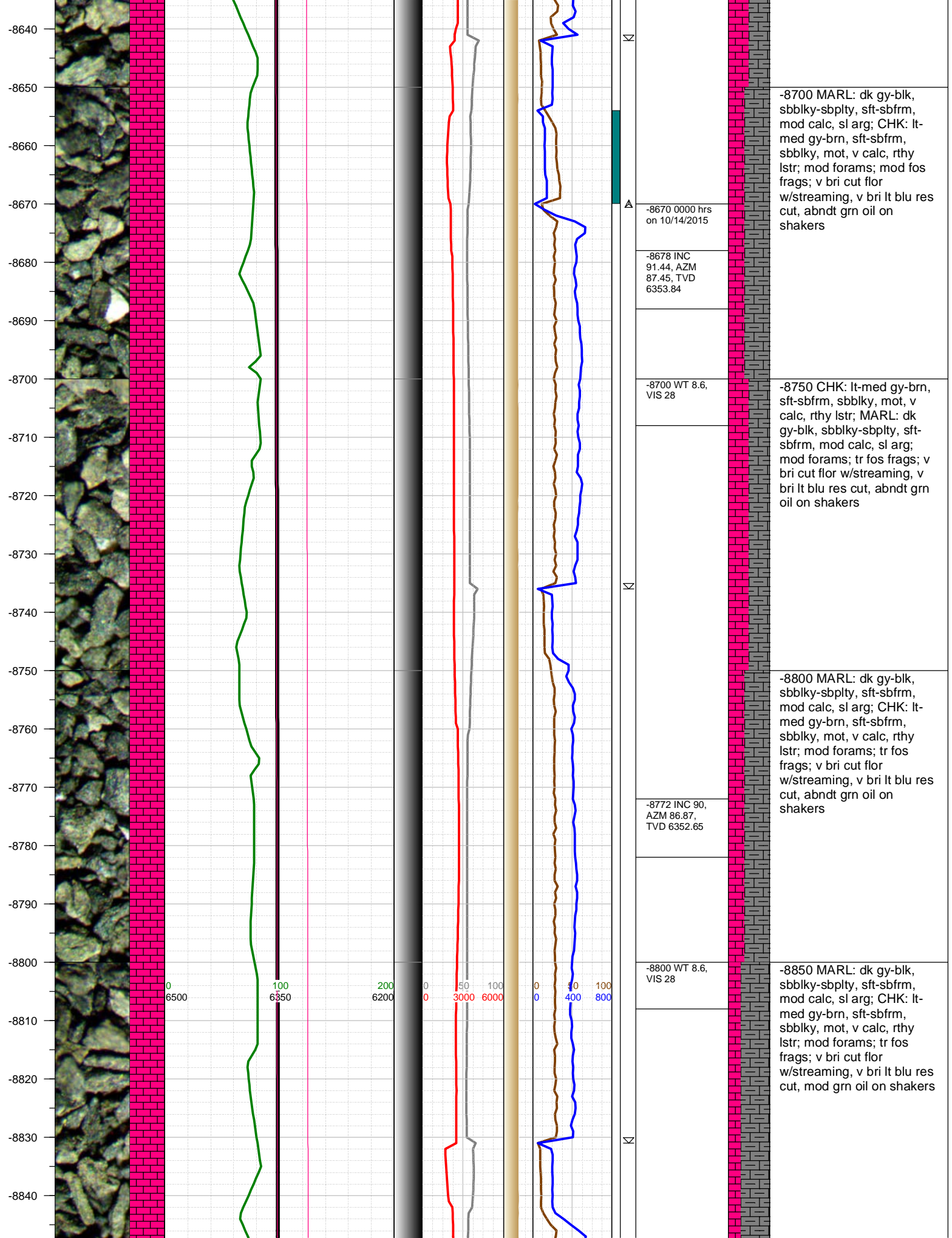


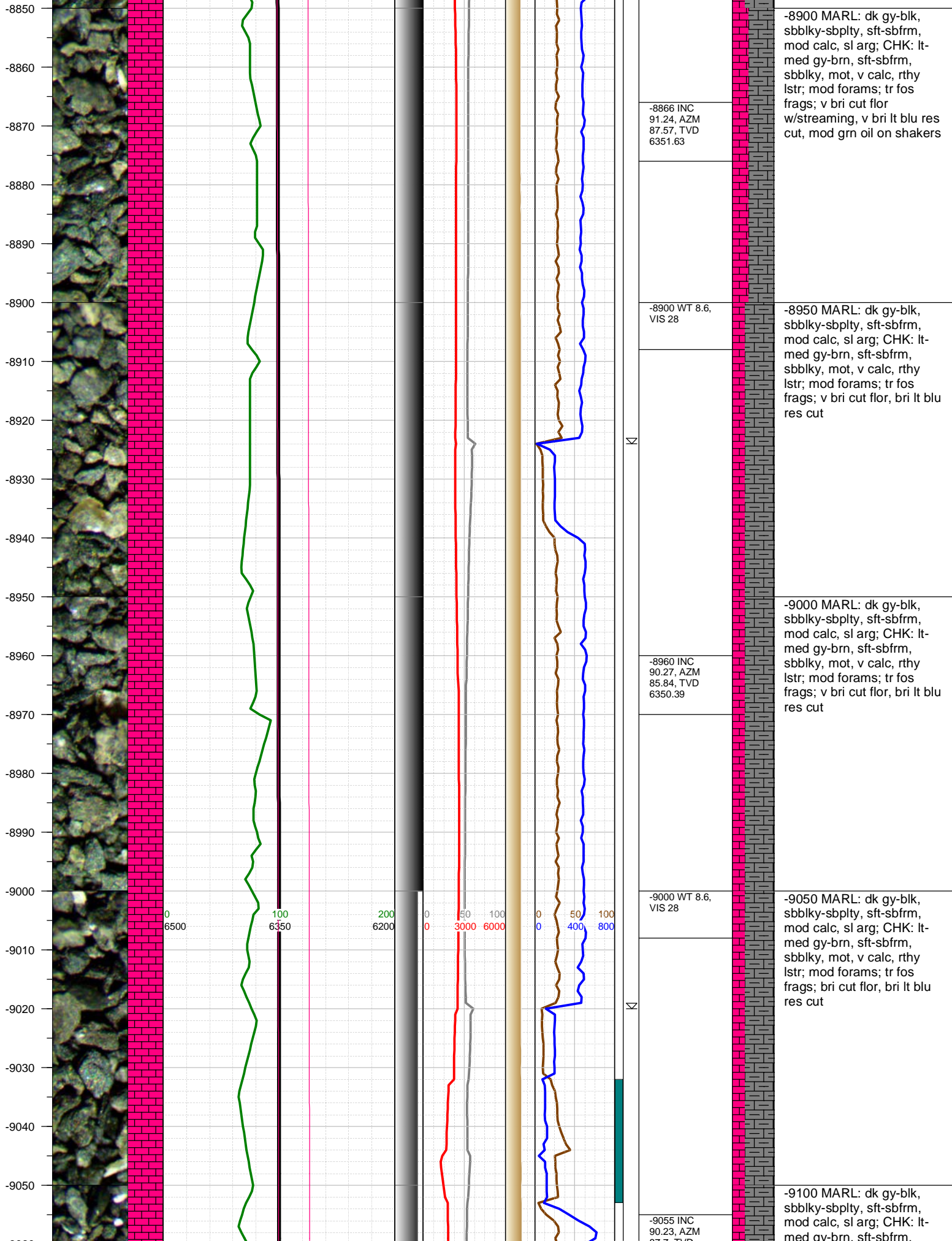




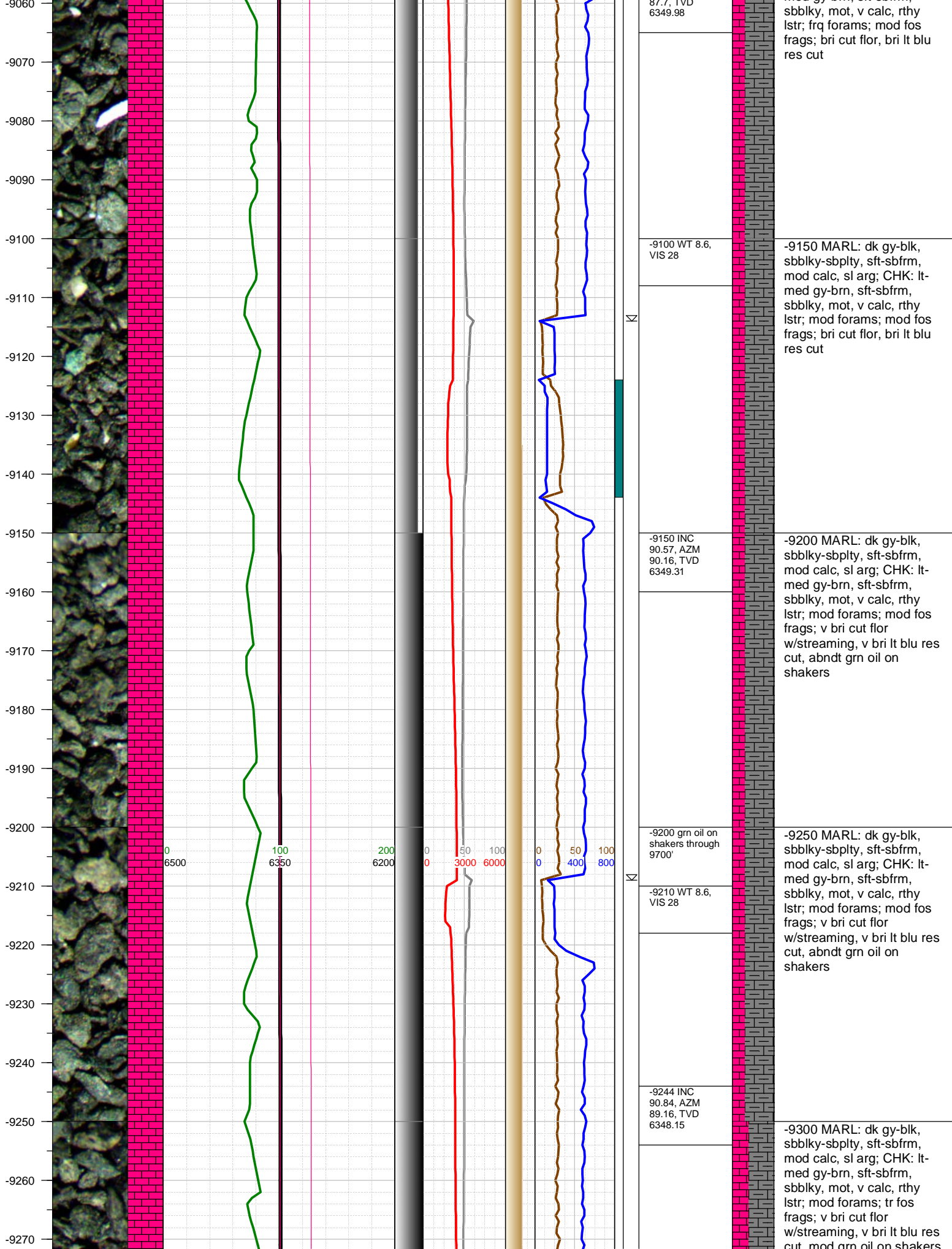


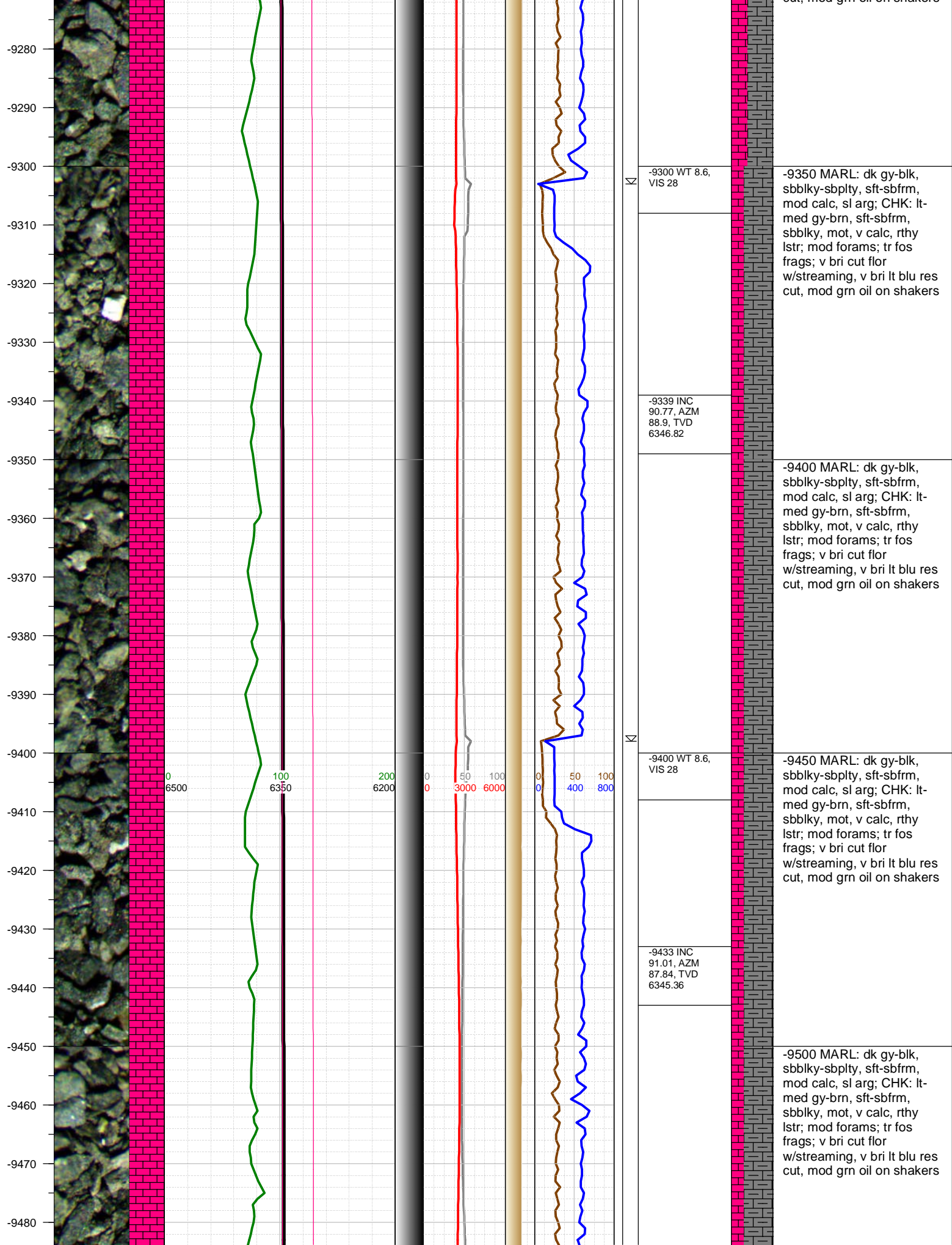


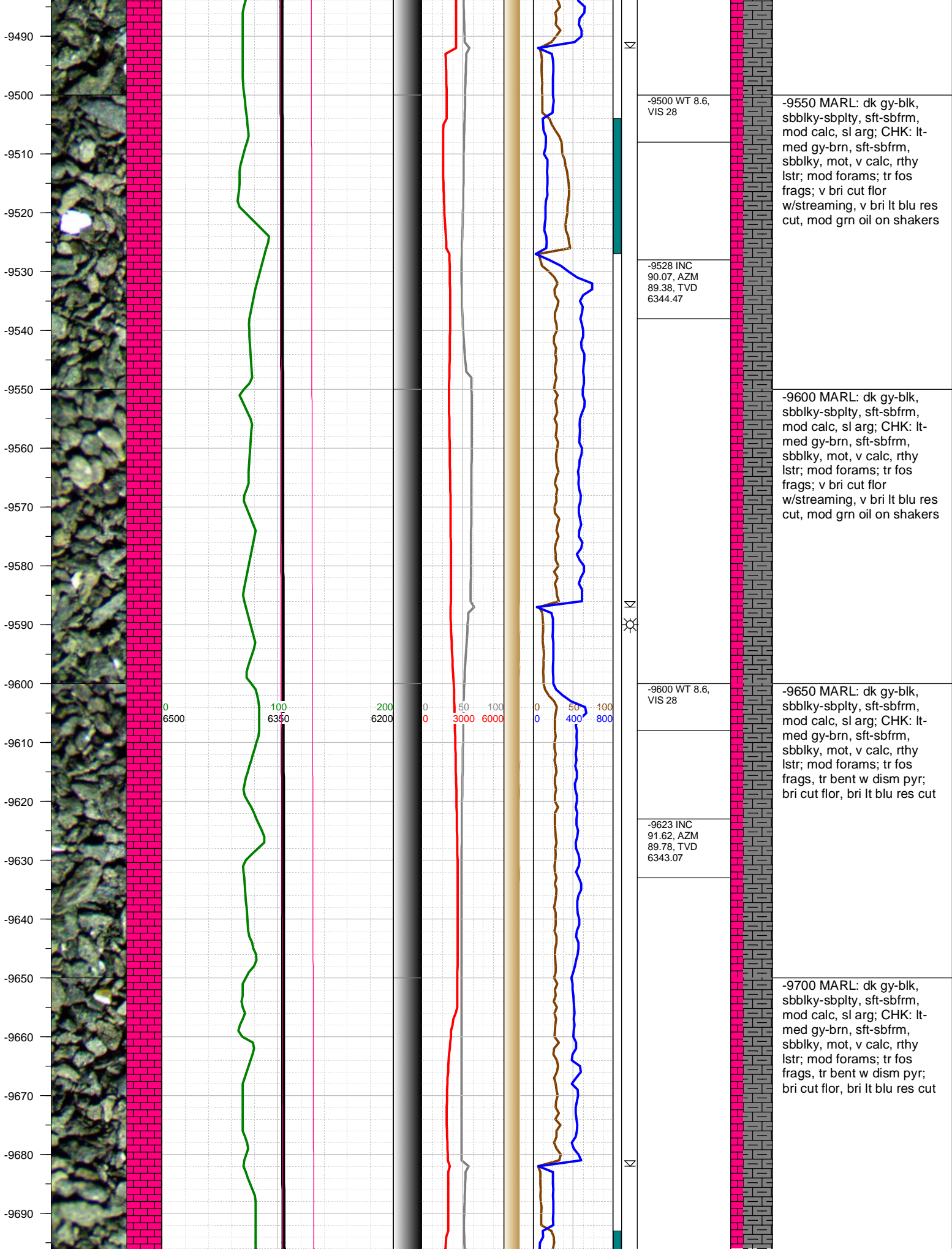




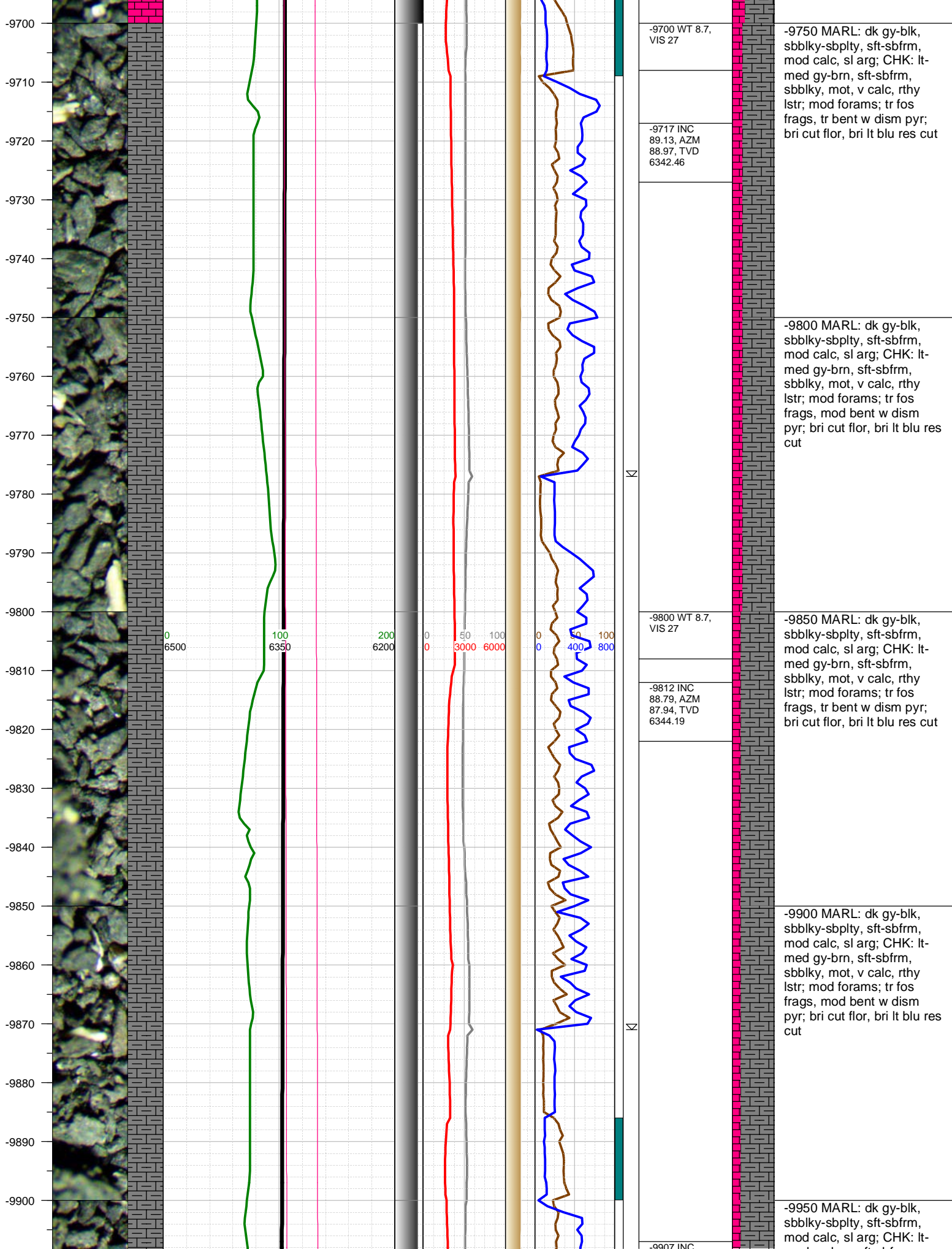


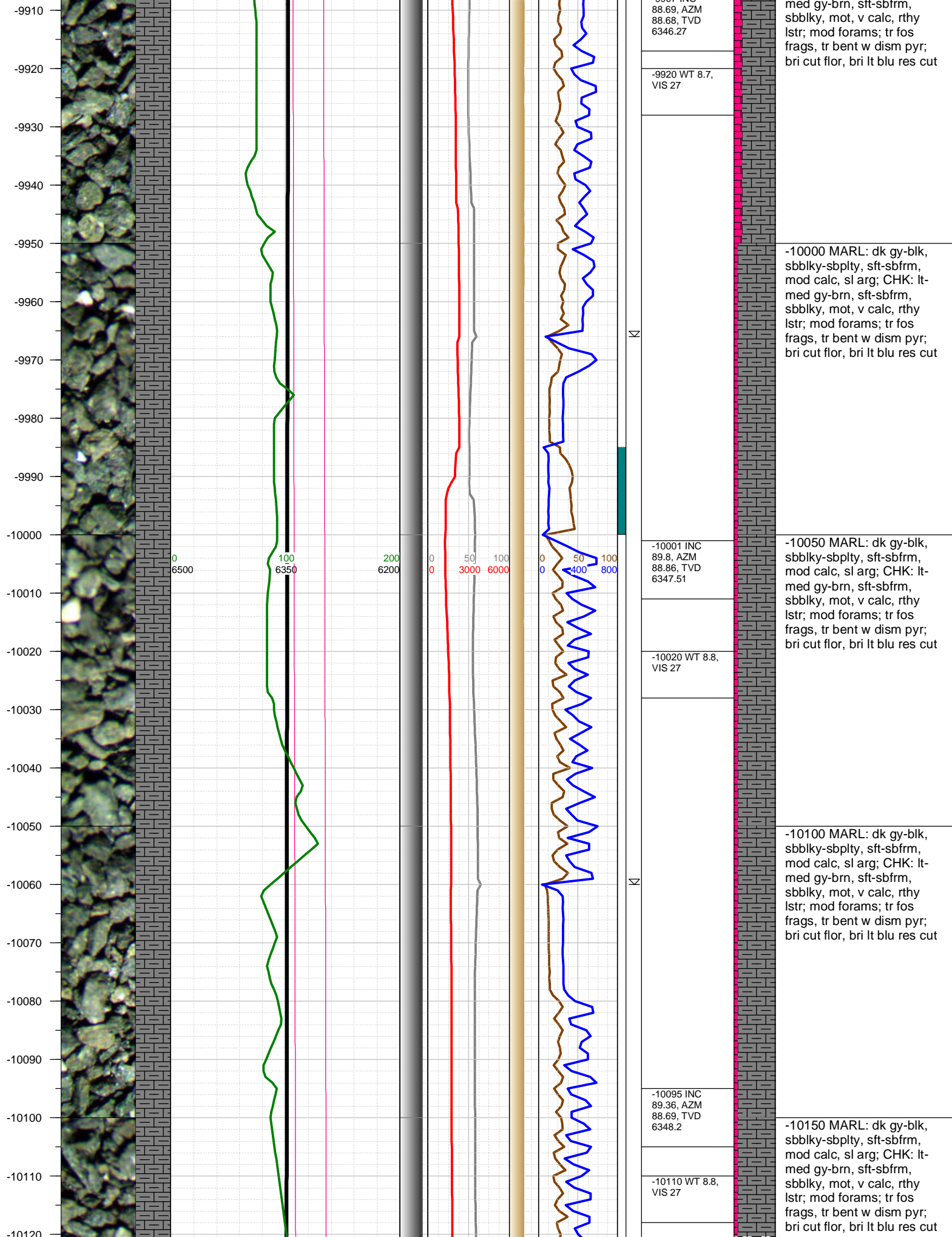


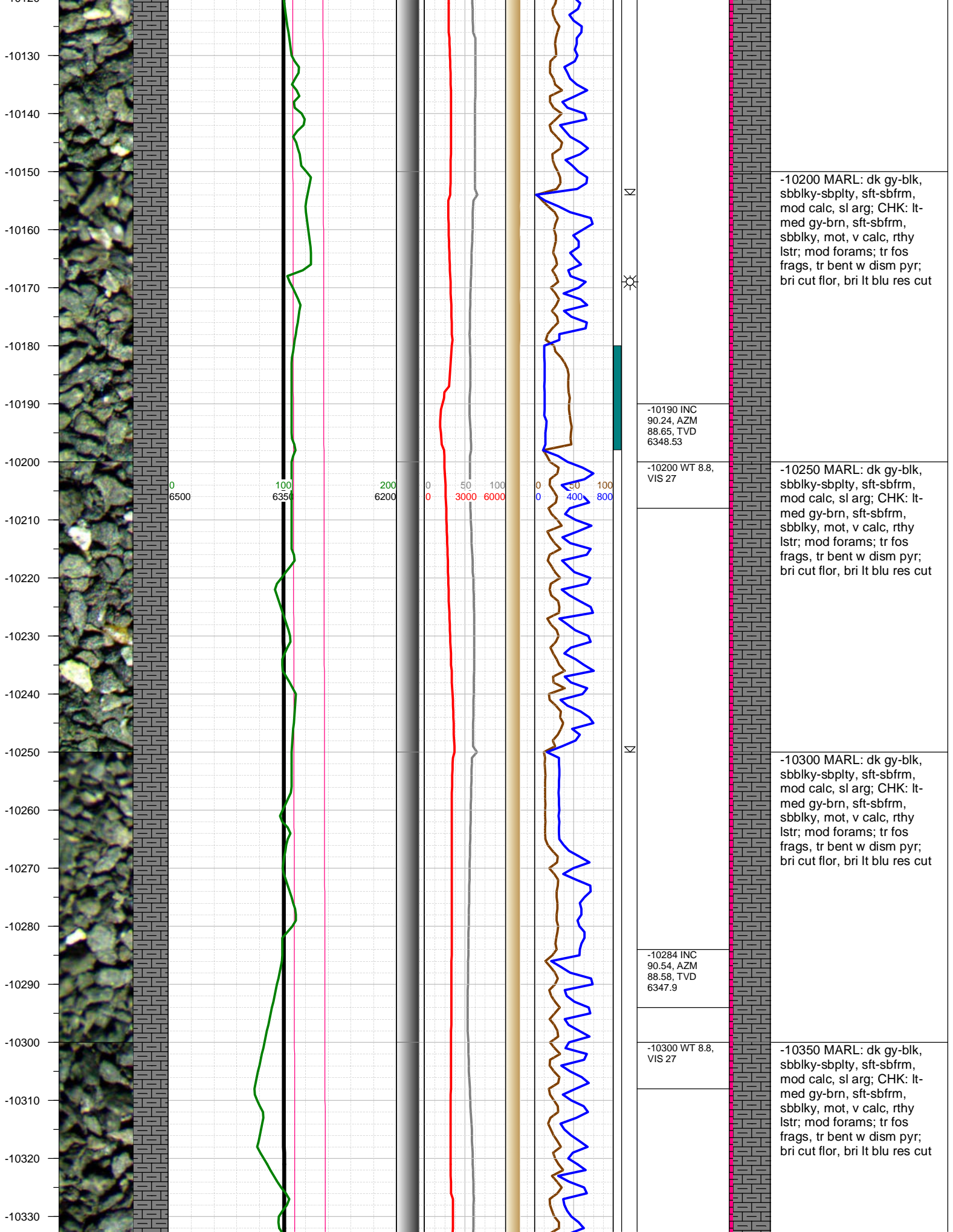




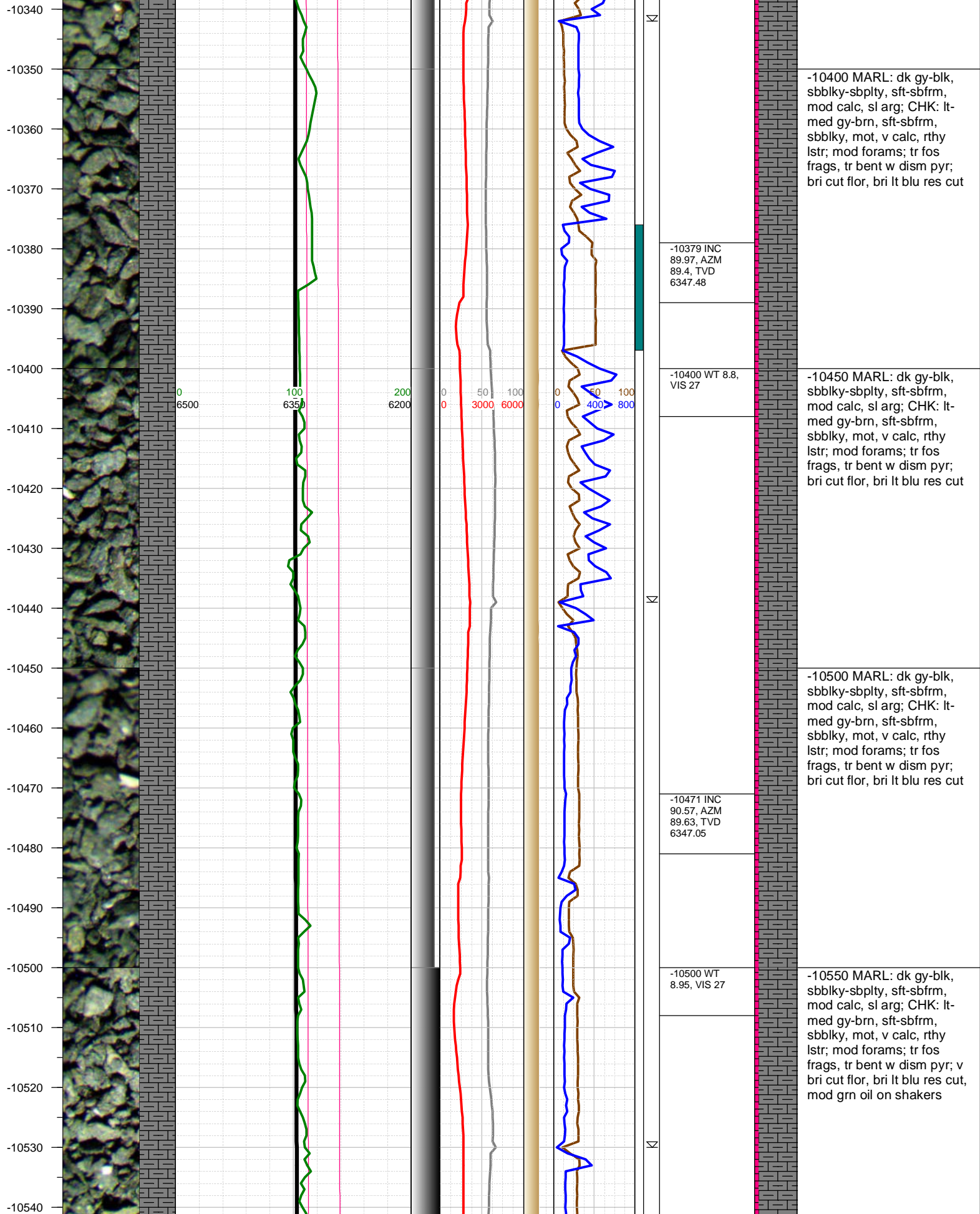


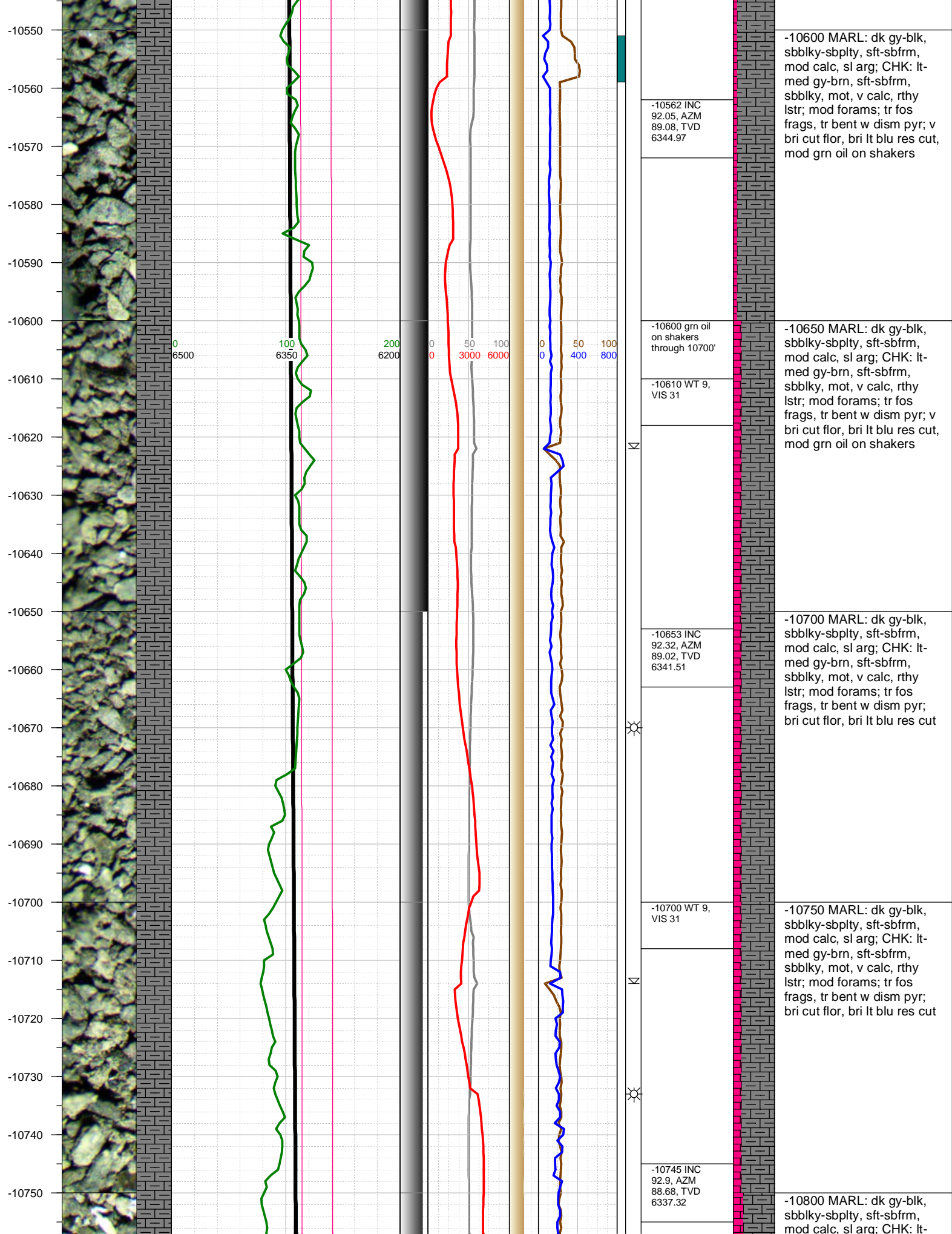


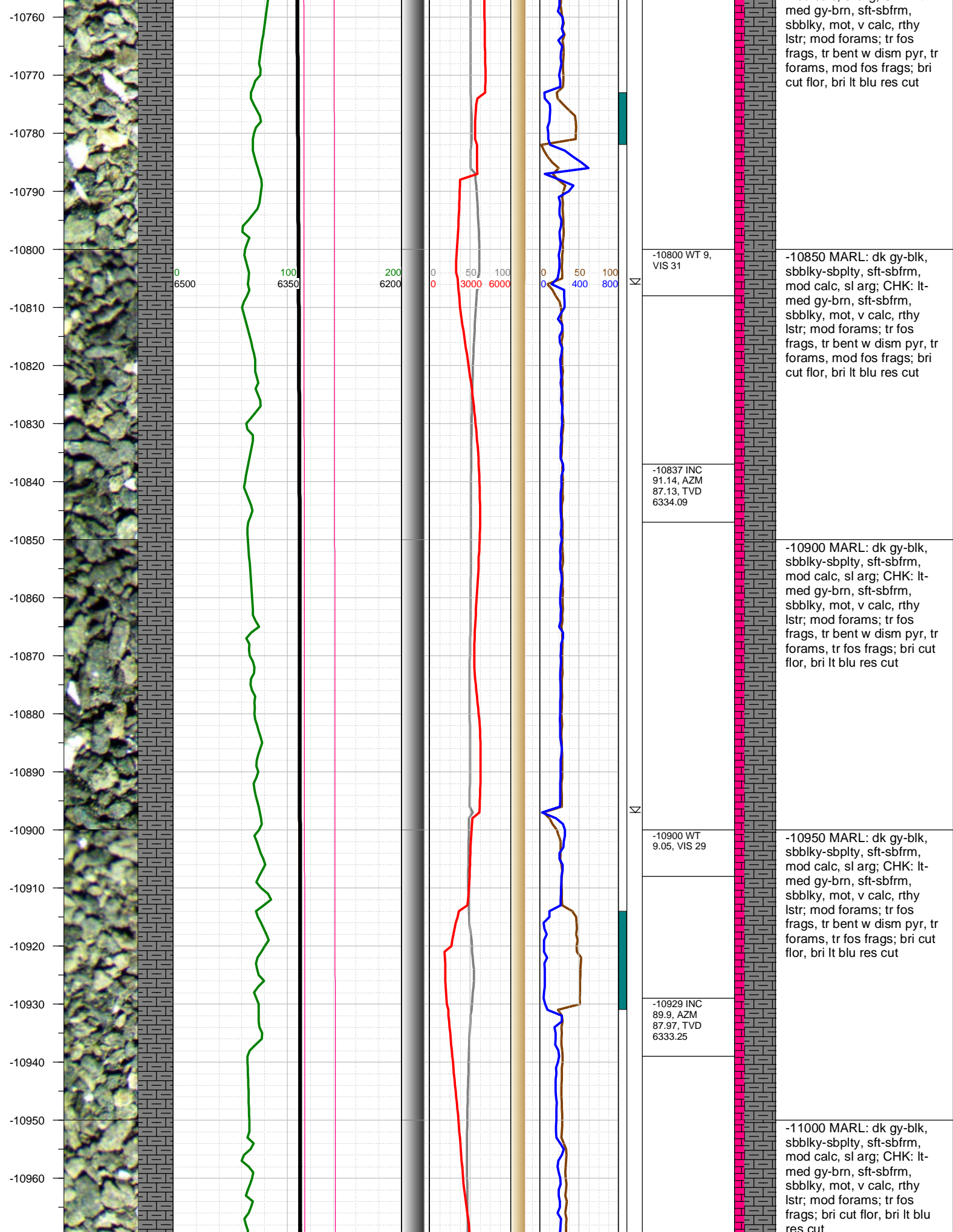




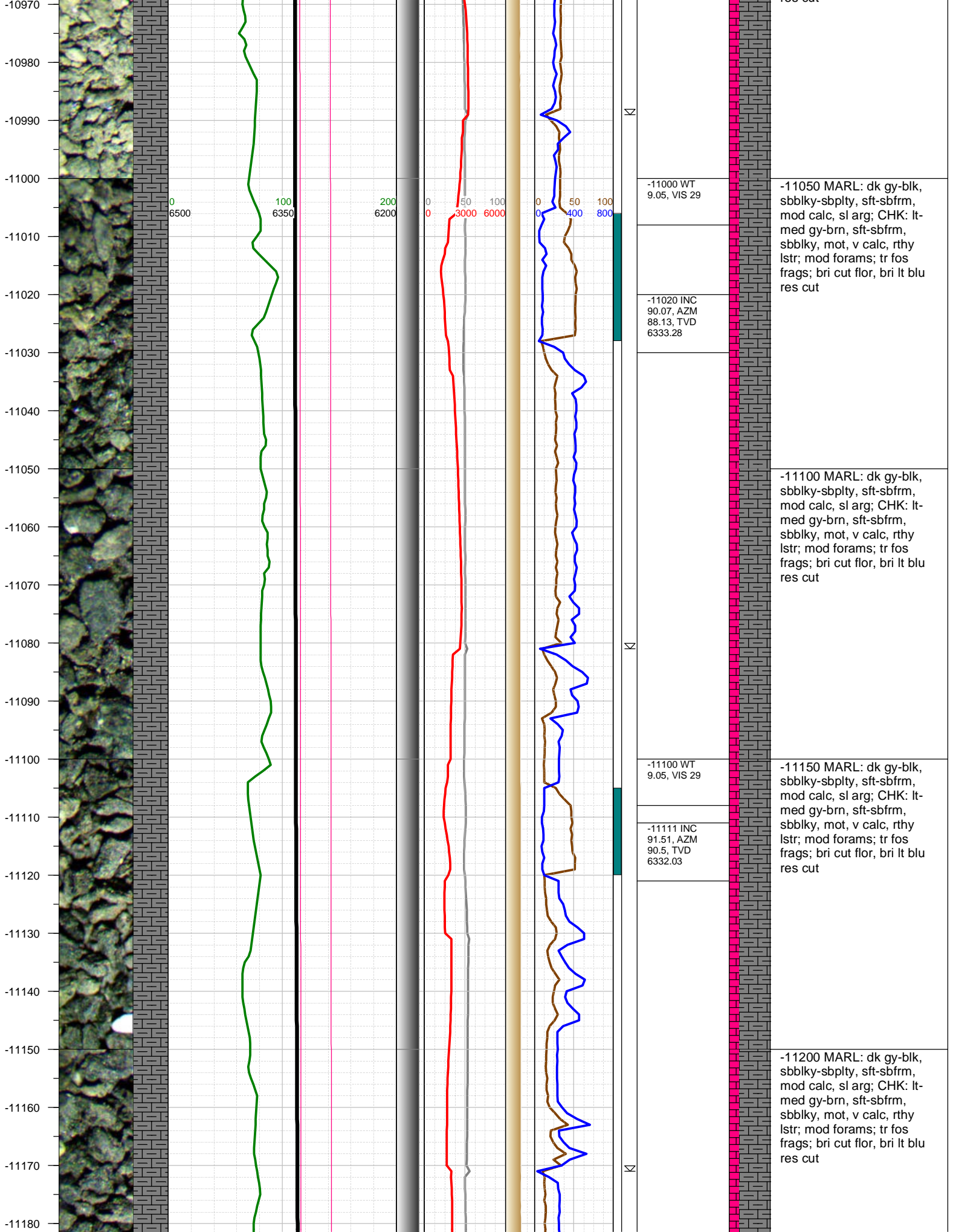


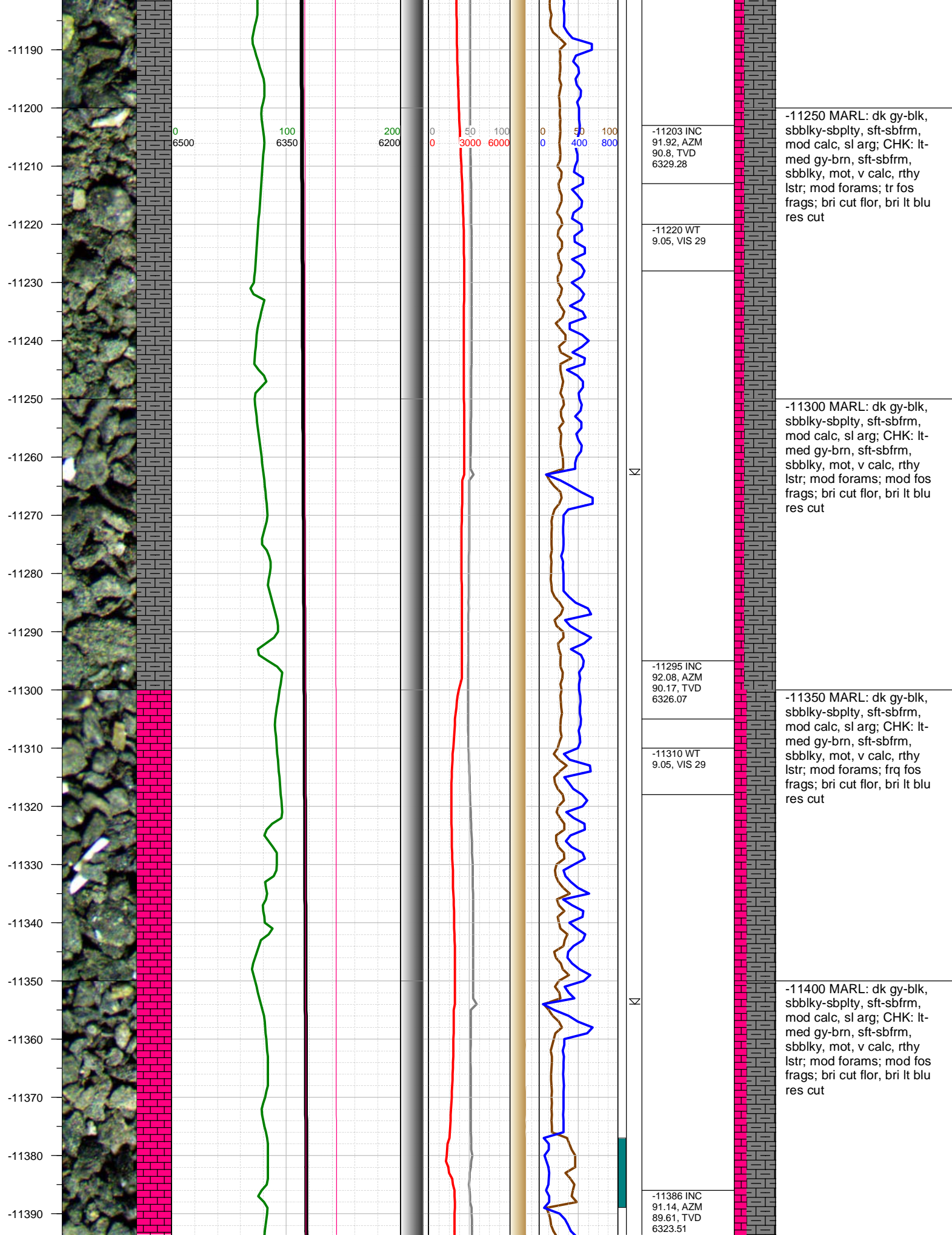


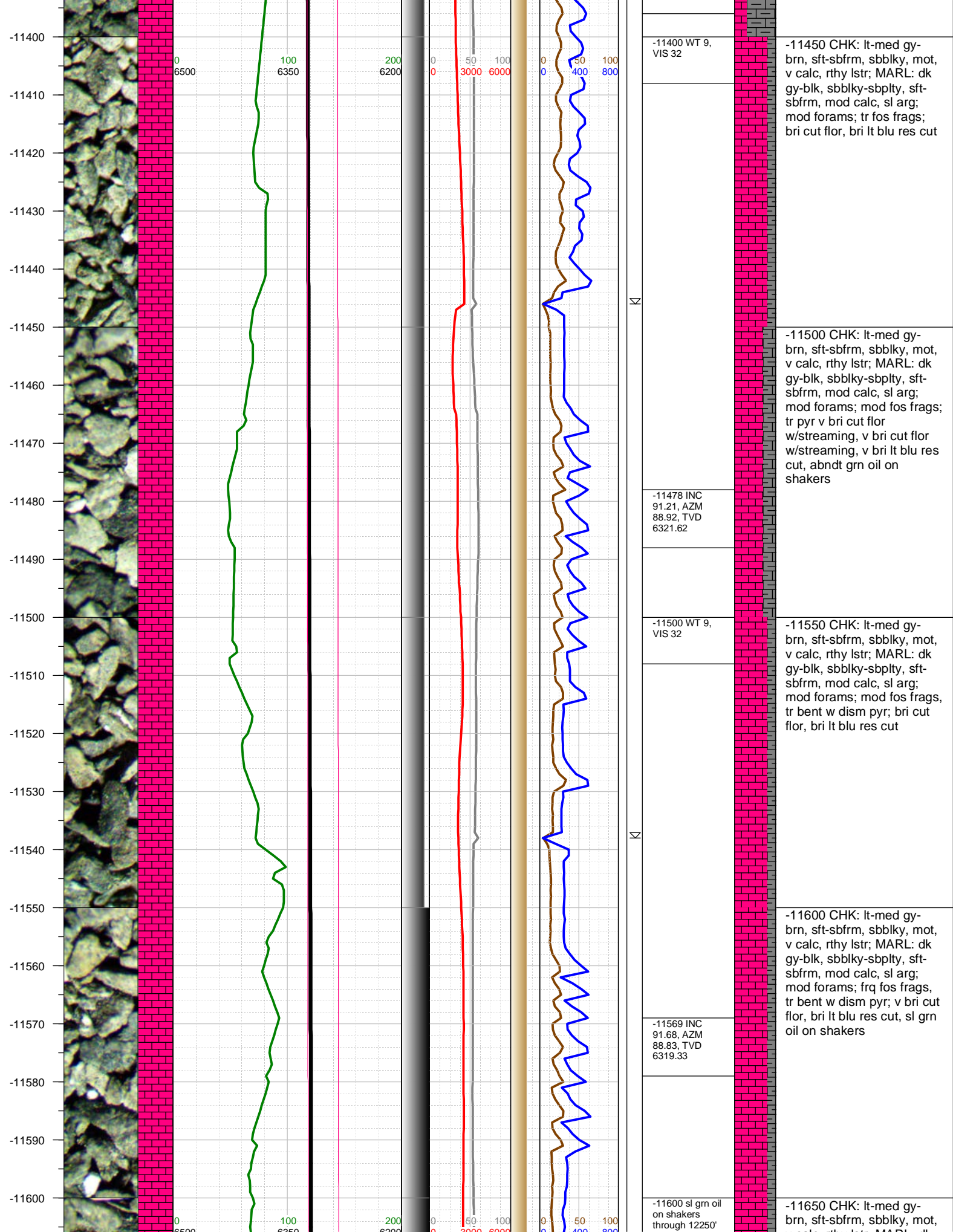






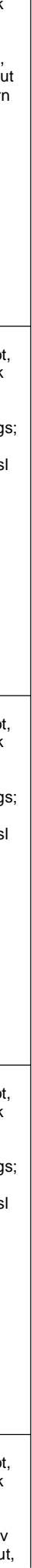
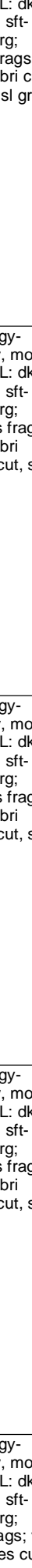
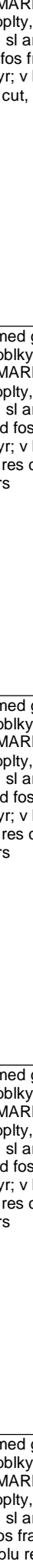
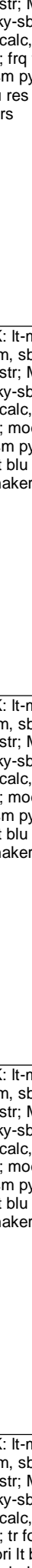
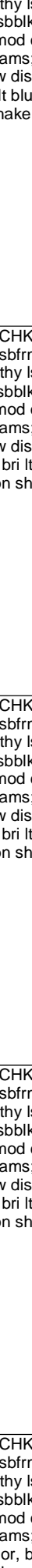
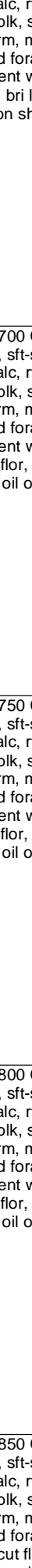
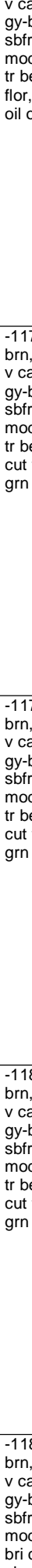
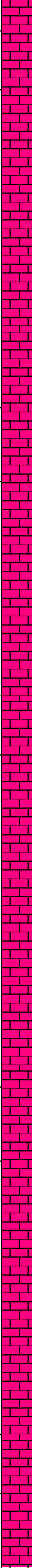
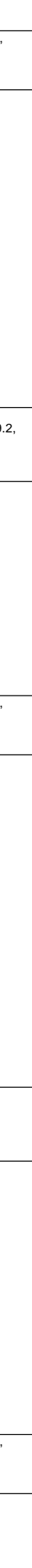
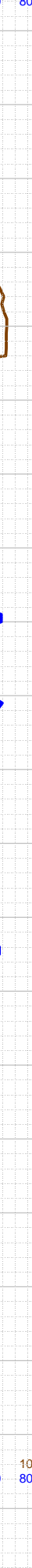
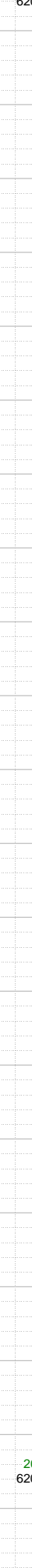
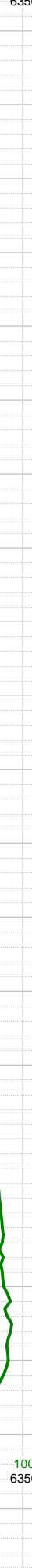
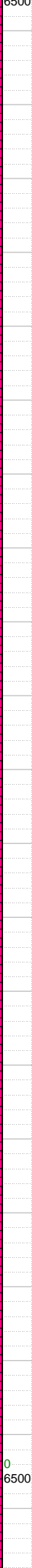
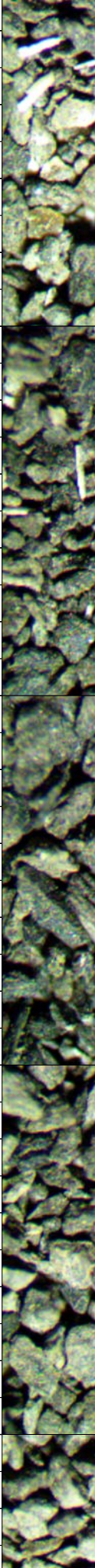








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-11610 WT 9,  
VIS 32

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89.8, AZM 89.2,  
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-11700 WT 9,  
VIS 34

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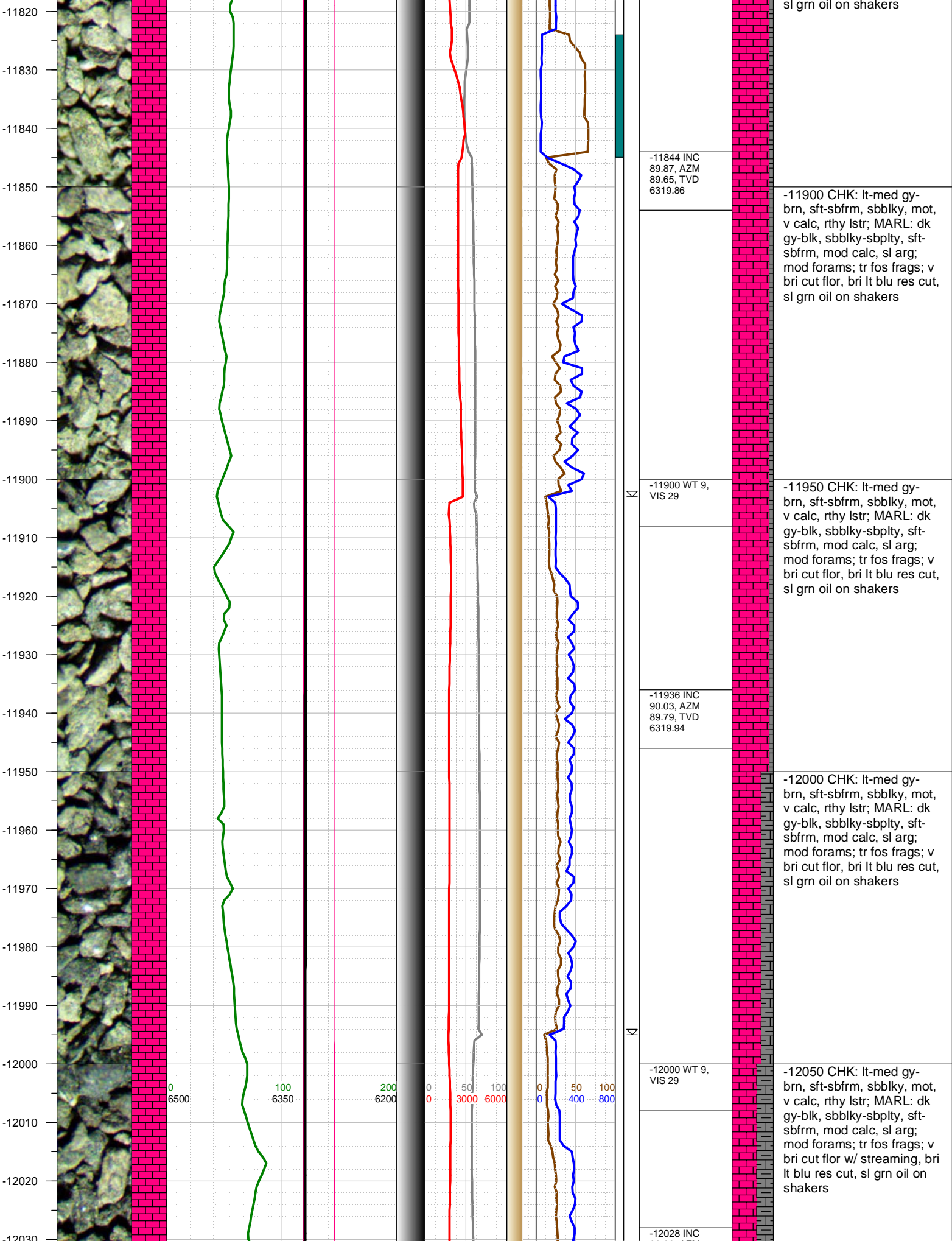
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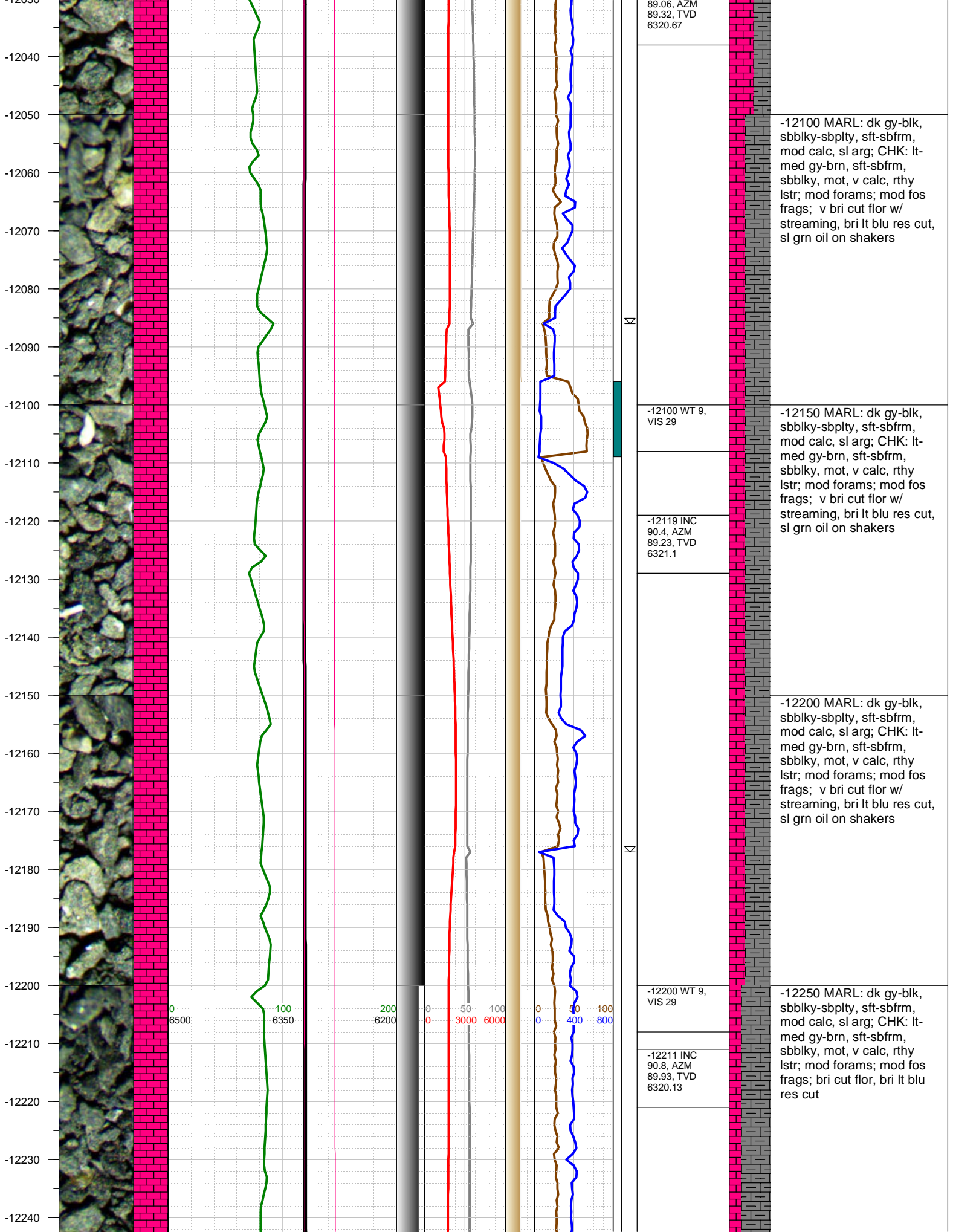
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brn, sft-sbfrm, sbblky, mot,  
v calc, rthy lstr; MARL: dk  
gy-blk, sbblky-sbplty, sft-  
sbfrm, mod calc, sl arg;  
mod forams; mod fos frags;  
tr bent w dism pyr; v bri  
cut flr, bri lt blu res cut, sl  
grn oil on shakers

-11750 CHK: lt-med gy-  
brn, sft-sbfrm, sbblky, mot,  
v calc, rthy lstr; MARL: dk  
gy-blk, sbblky-sbplty, sft-  
sbfrm, mod calc, sl arg;  
mod forams; mod fos frags;  
tr bent w dism pyr; v bri  
cut flr, bri lt blu res cut, sl  
grn oil on shakers

-11800 CHK: lt-med gy-  
brn, sft-sbfrm, sbblky, mot,  
v calc, rthy lstr; MARL: dk  
gy-blk, sbblky-sbplty, sft-  
sbfrm, mod calc, sl arg;  
mod forams; mod fos frags;  
tr bent w dism pyr; v bri  
cut flr, bri lt blu res cut, sl  
grn oil on shakers

-11850 CHK: lt-med gy-  
brn, sft-sbfrm, sbblky, mot,  
v calc, rthy lstr; MARL: dk  
gy-blk, sbblky-sbplty, sft-  
sbfrm, mod calc, sl arg;  
mod forams; tr fos frags; v  
bri cut flr, bri lt blu res cut,





-12100 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; mod forams; mod fos frags; v bri cut flor w/ streaming, bri lt blu res cut, sl grn oil on shakers

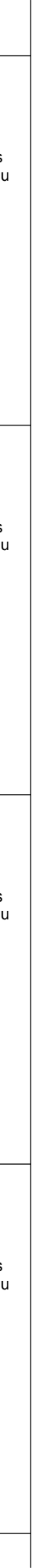
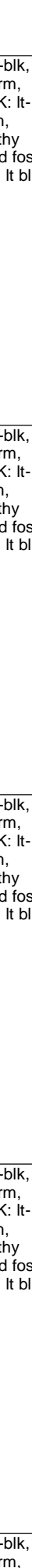
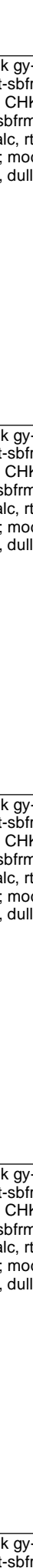
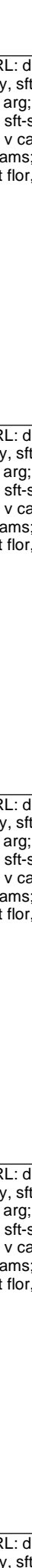
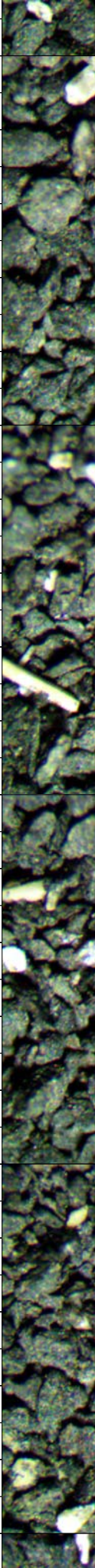
-12150 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; mod forams; mod fos frags; v bri cut flor w/ streaming, bri lt blu res cut, sl grn oil on shakers

-12200 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; mod forams; mod fos frags; v bri cut flor w/ streaming, bri lt blu res cut, sl grn oil on shakers

-12250 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; mod forams; mod fos frags; bri cut flor, bri lt blu res cut



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-12302 INC  
90.37, AZM  
89.78, TVD  
6319.2

-12320 WT 9,  
VIS 29

-12394 INC  
90.7, AZM  
88.42, TVD  
6318.33

-12410 WT 9,  
VIS 29

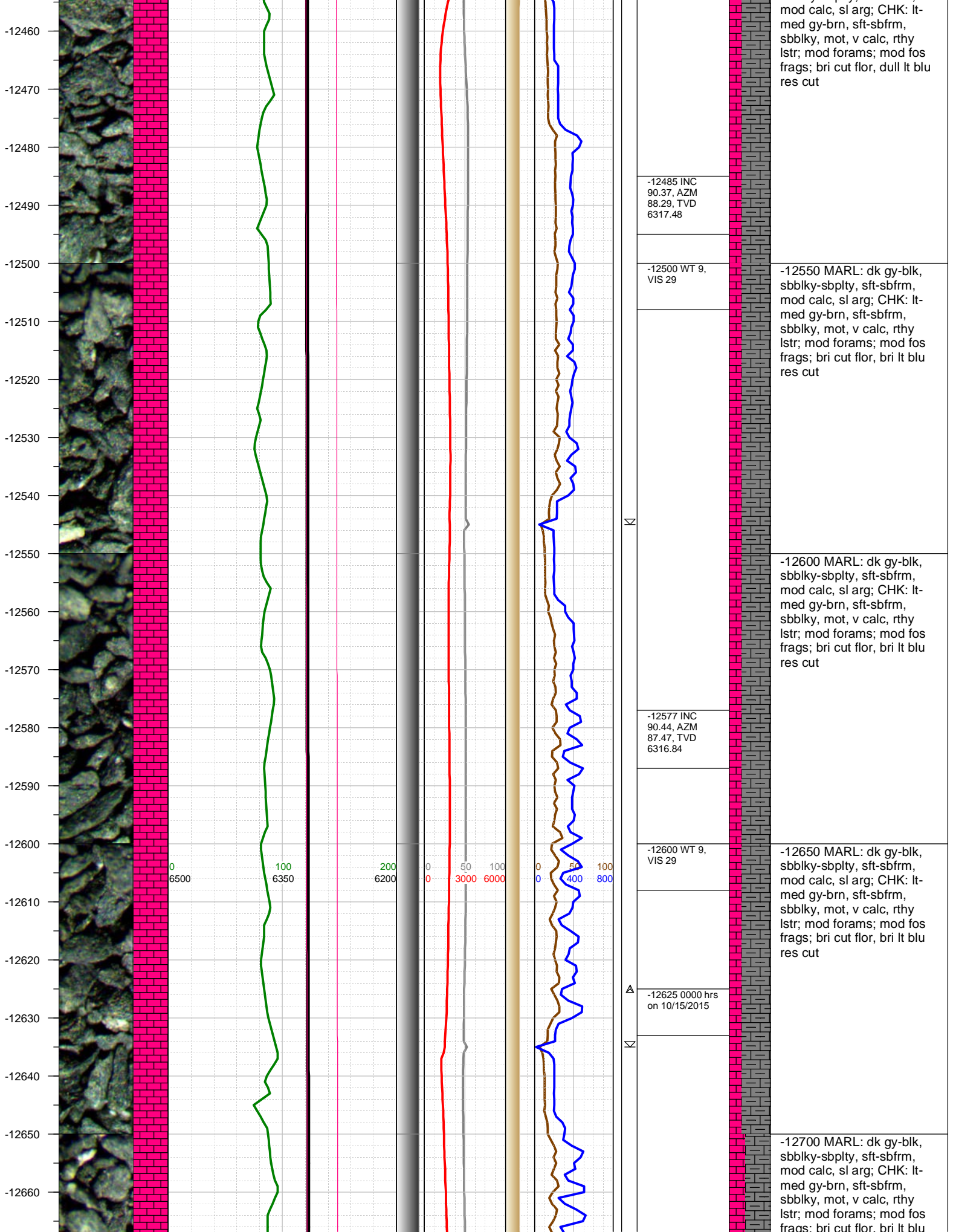
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sbbly-sbply, sft-sbfrm,  
mod calc, sl arg; CHK: lt-  
med gy-brn, sft-sbfrm,  
sbbly, mot, v calc, rthy  
lstr; mod forams; mod fos  
frags; bri cut flor, dull lt blu  
res cut

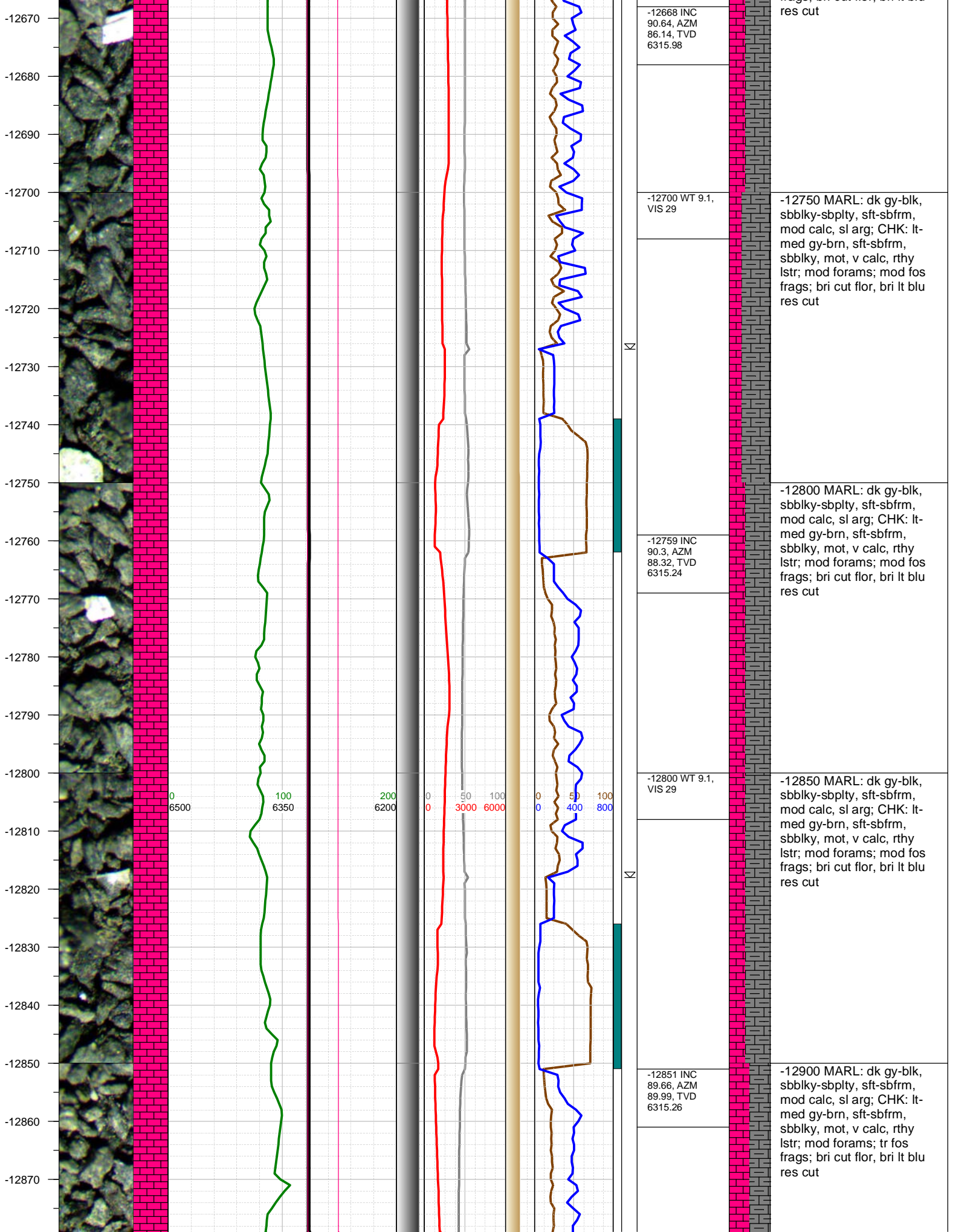
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sbbly-sbply, sft-sbfrm,  
mod calc, sl arg; CHK: lt-  
med gy-brn, sft-sbfrm,  
sbbly, mot, v calc, rthy  
lstr; mod forams; mod fos  
frags; bri cut flor, dull lt blu  
res cut

-12400 MARL: dk gy-blk,  
sbbly-sbply, sft-sbfrm,  
mod calc, sl arg; CHK: lt-  
med gy-brn, sft-sbfrm,  
sbbly, mot, v calc, rthy  
lstr; mod forams; mod fos  
frags; bri cut flor, dull lt blu  
res cut

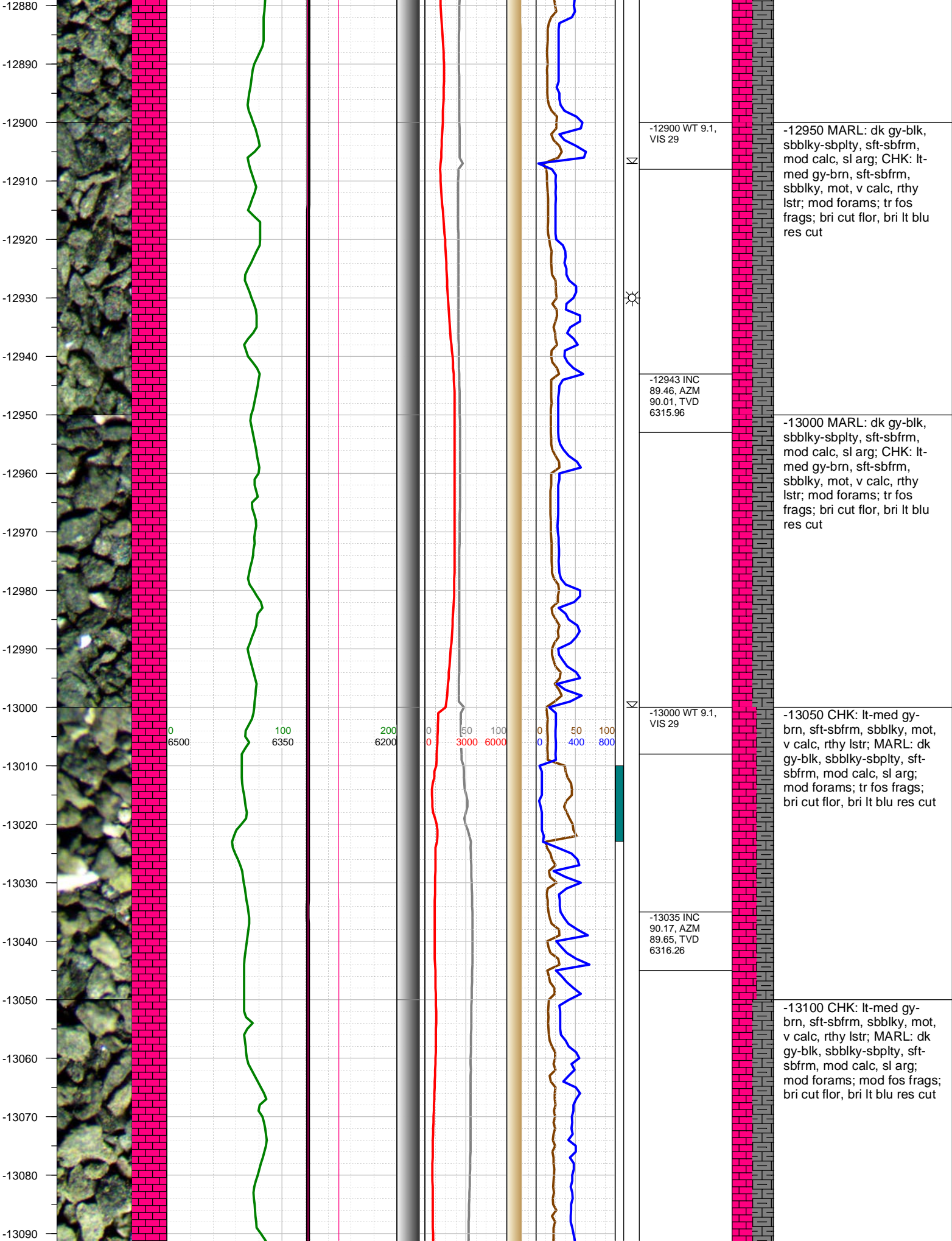
-12450 MARL: dk gy-blk,  
sbbly-sbply, sft-sbfrm,  
mod calc, sl arg; CHK: lt-  
med gy-brn, sft-sbfrm,  
sbbly, mot, v calc, rthy  
lstr; mod forams; mod fos  
frags; bri cut flor, dull lt blu  
res cut

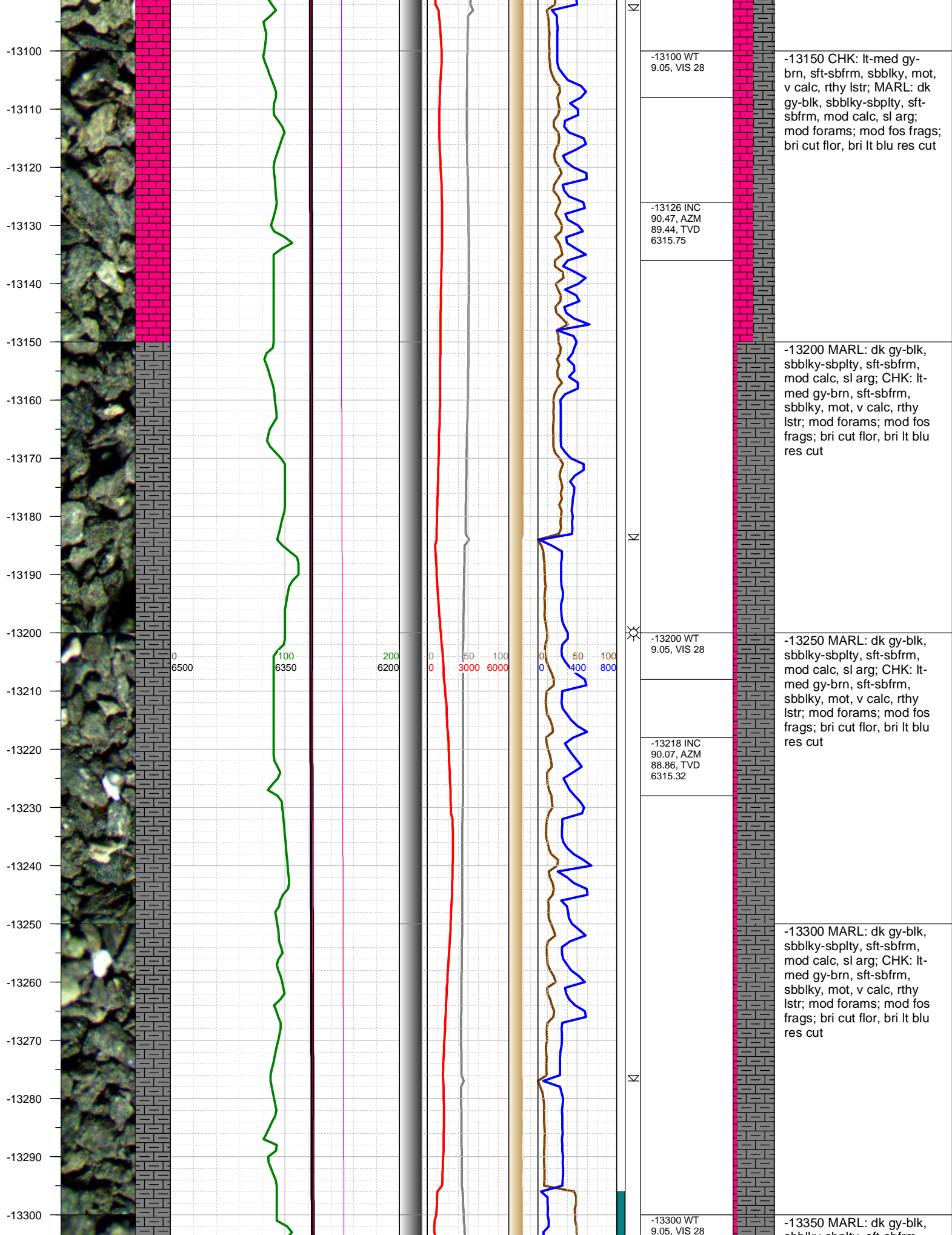
-12500 MARL: dk gy-blk,  
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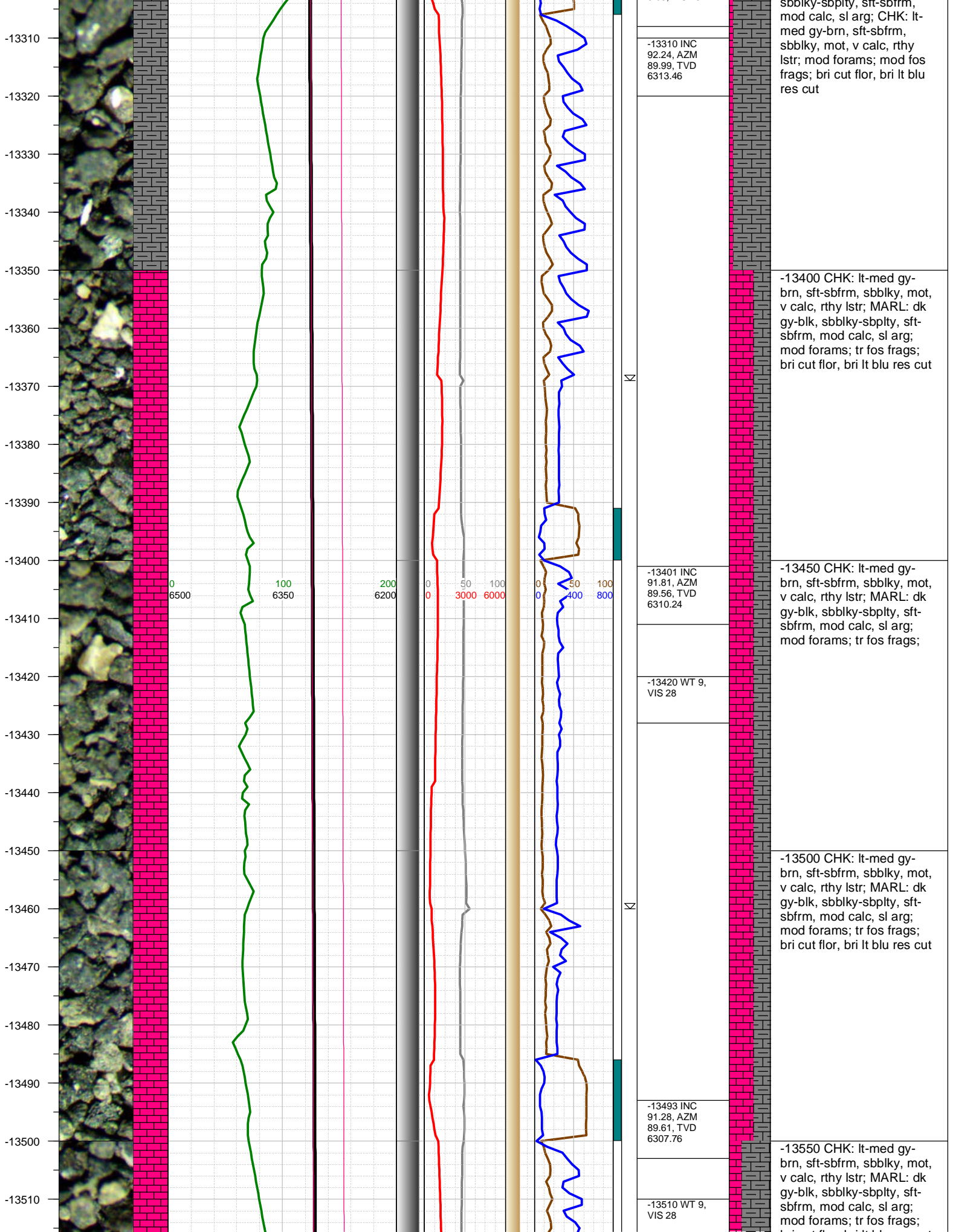






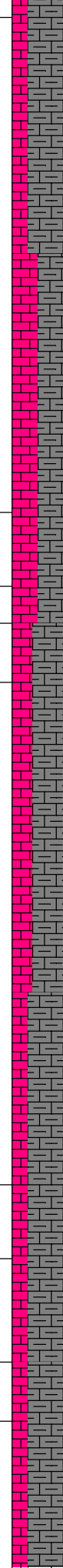
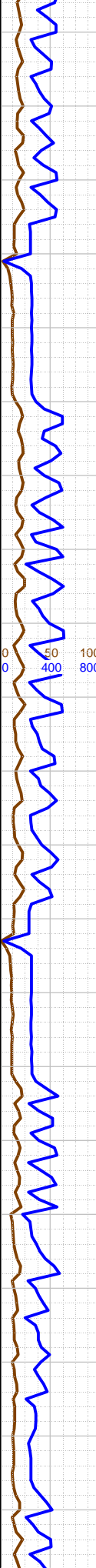
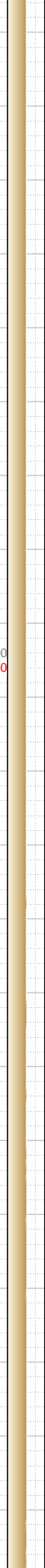
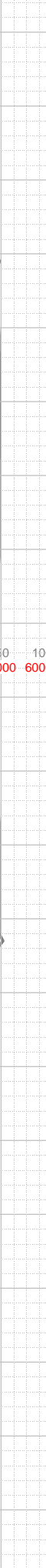
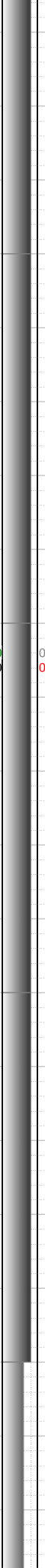
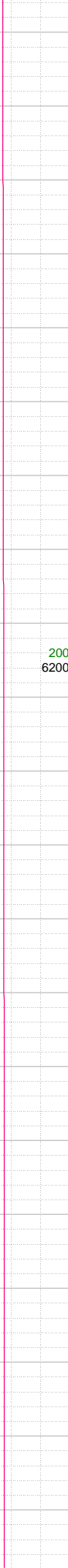
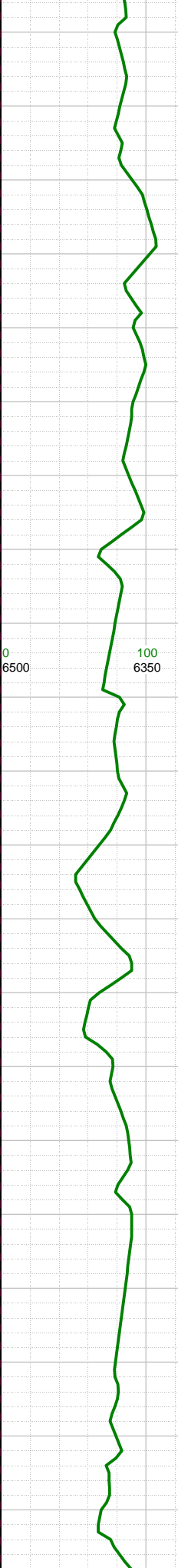
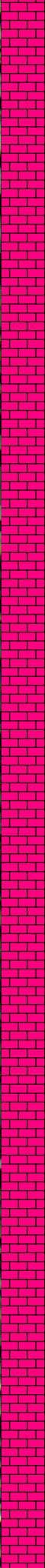
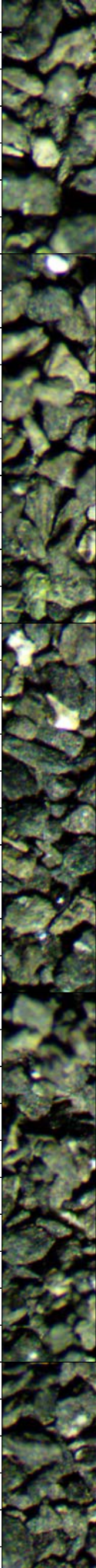








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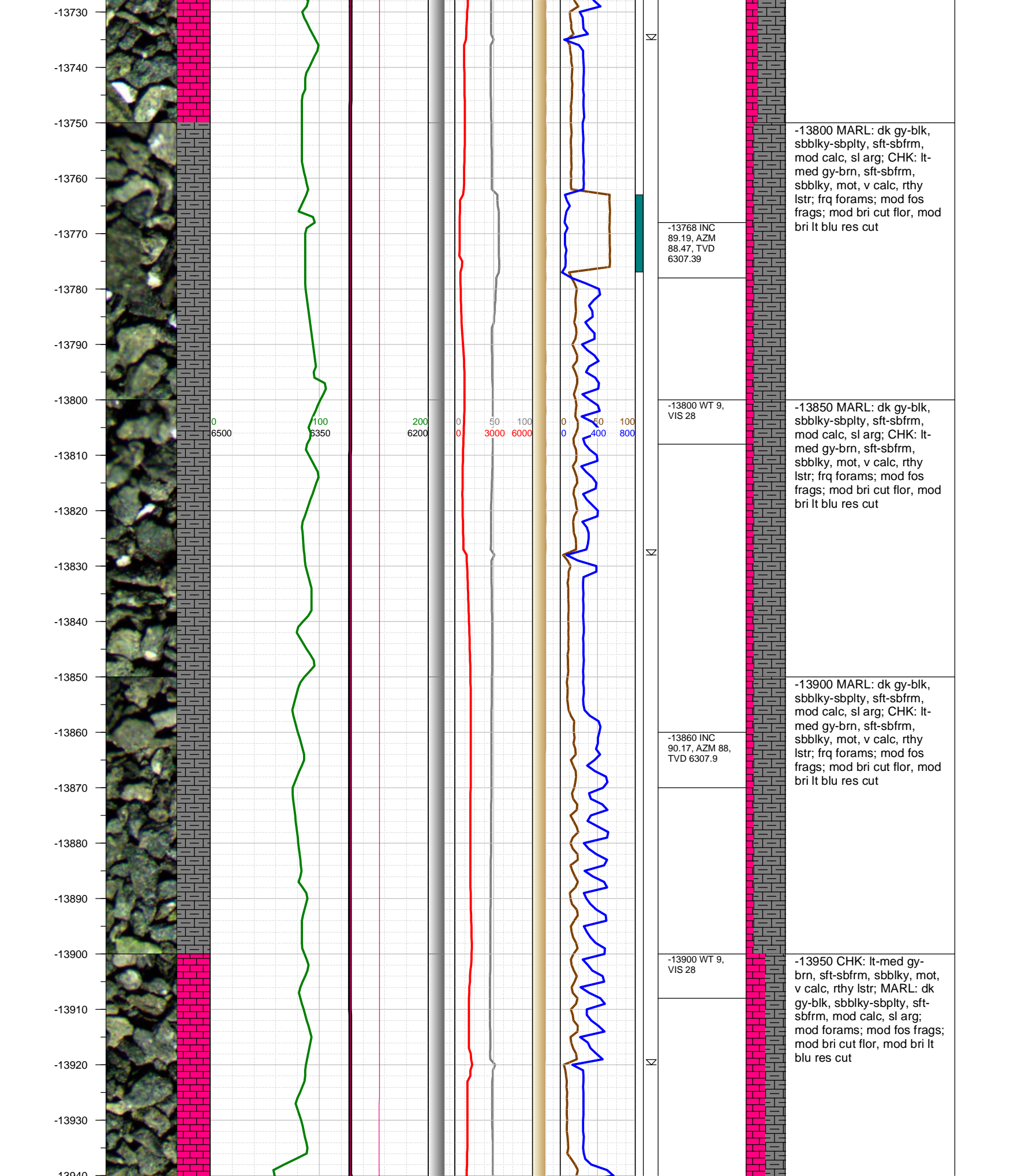
bri cut flor, bri lt blu res cut

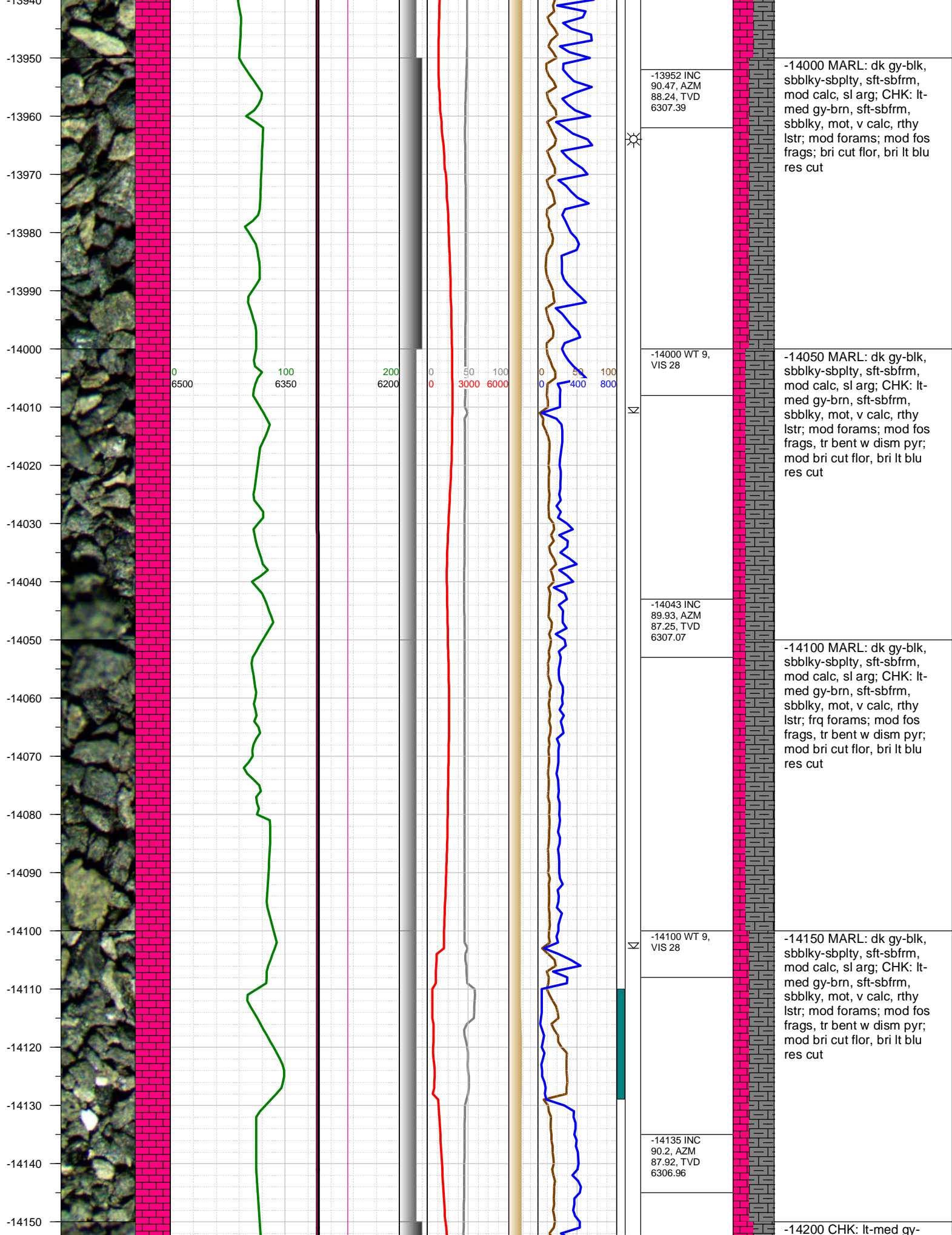
-13600 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; mod forams; mod fos frags; bri cut flor, bri lt blu res cut

-13650 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; mod forams; mod fos frags; bri cut flor, bri lt blu res cut

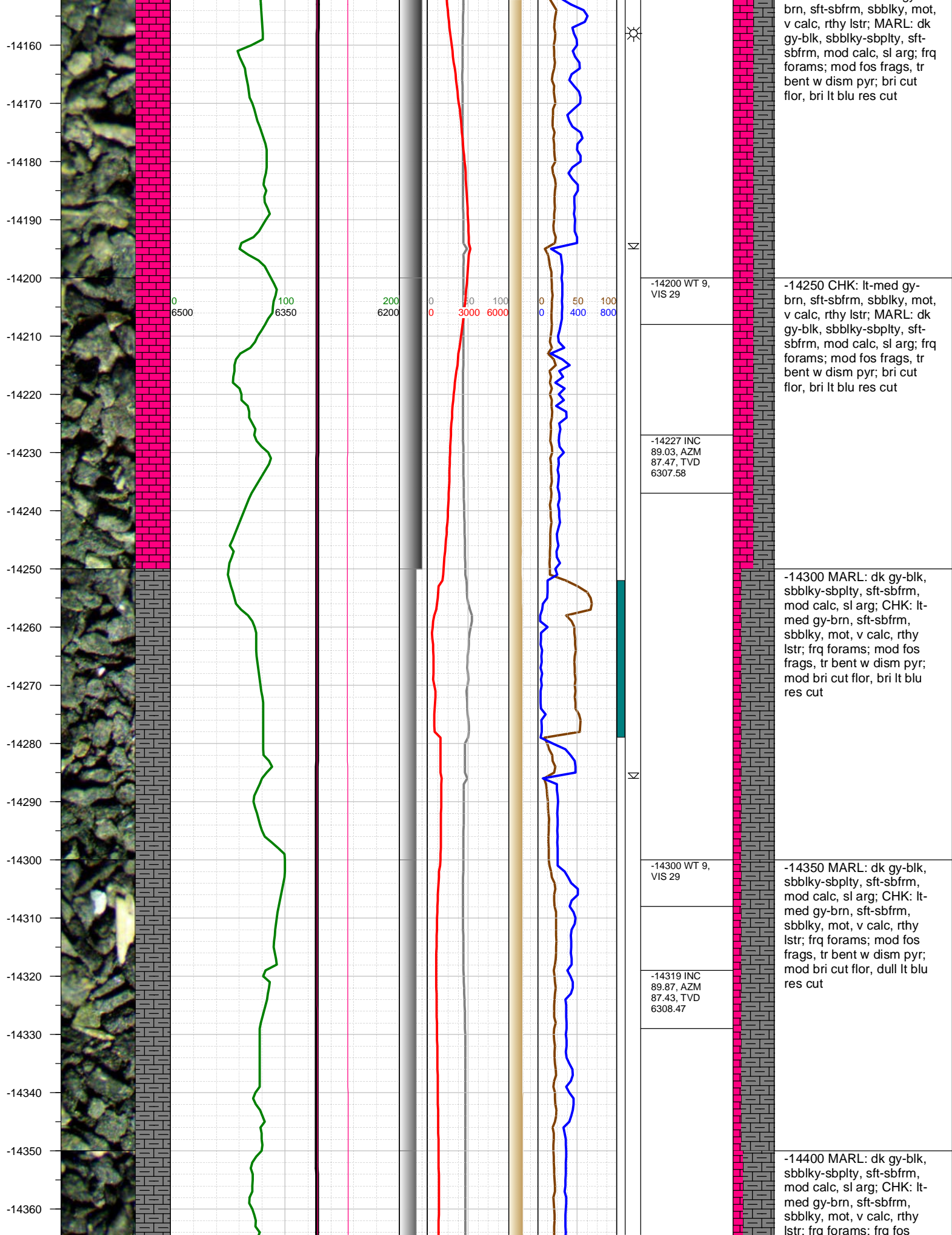
-13700 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; mod forams; mod fos frags; bri cut flor, bri lt blu res cut

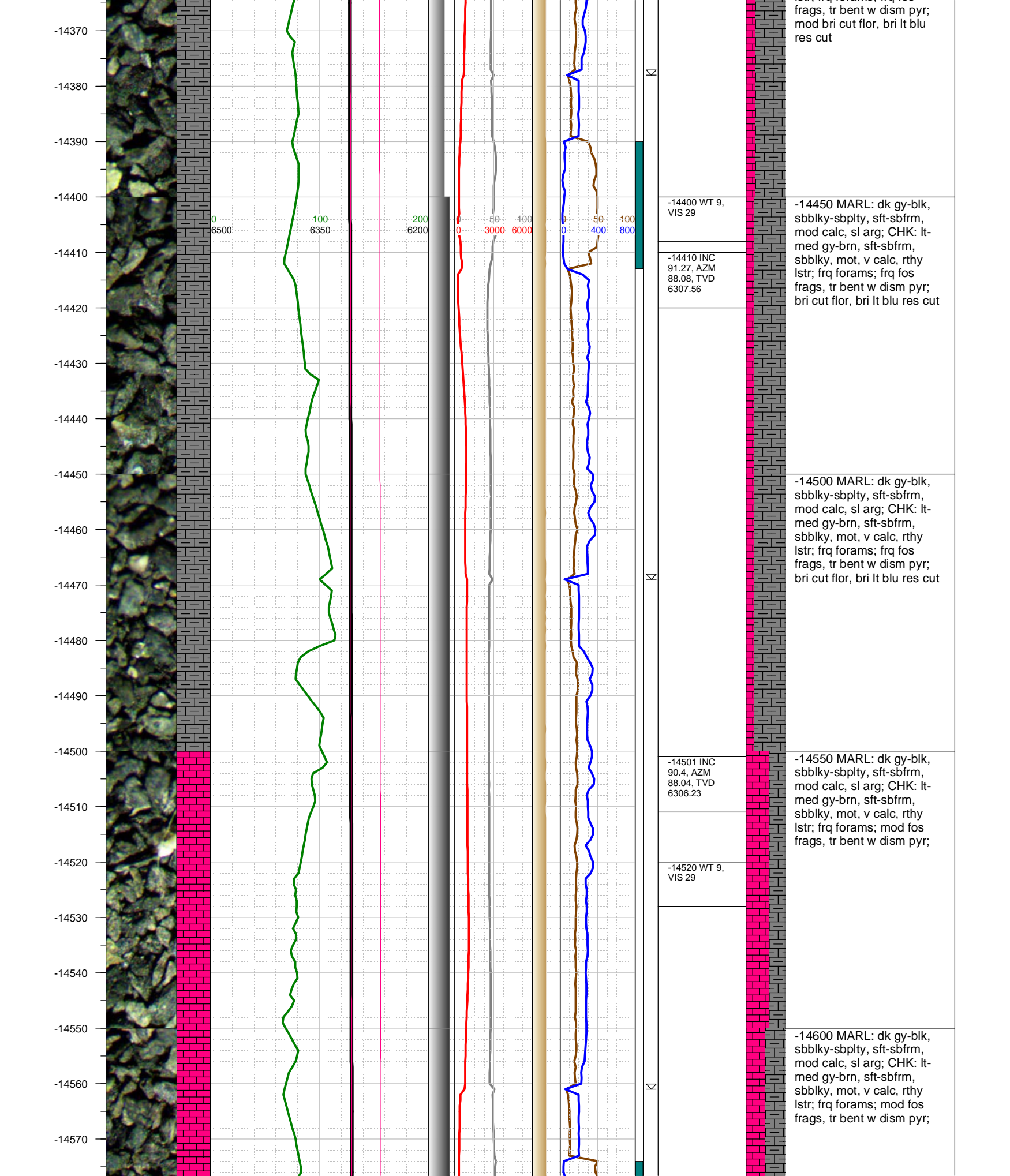
-13750 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; mod forams; mod fos frags; mod bri cut flor, mod bri lt blu res cut

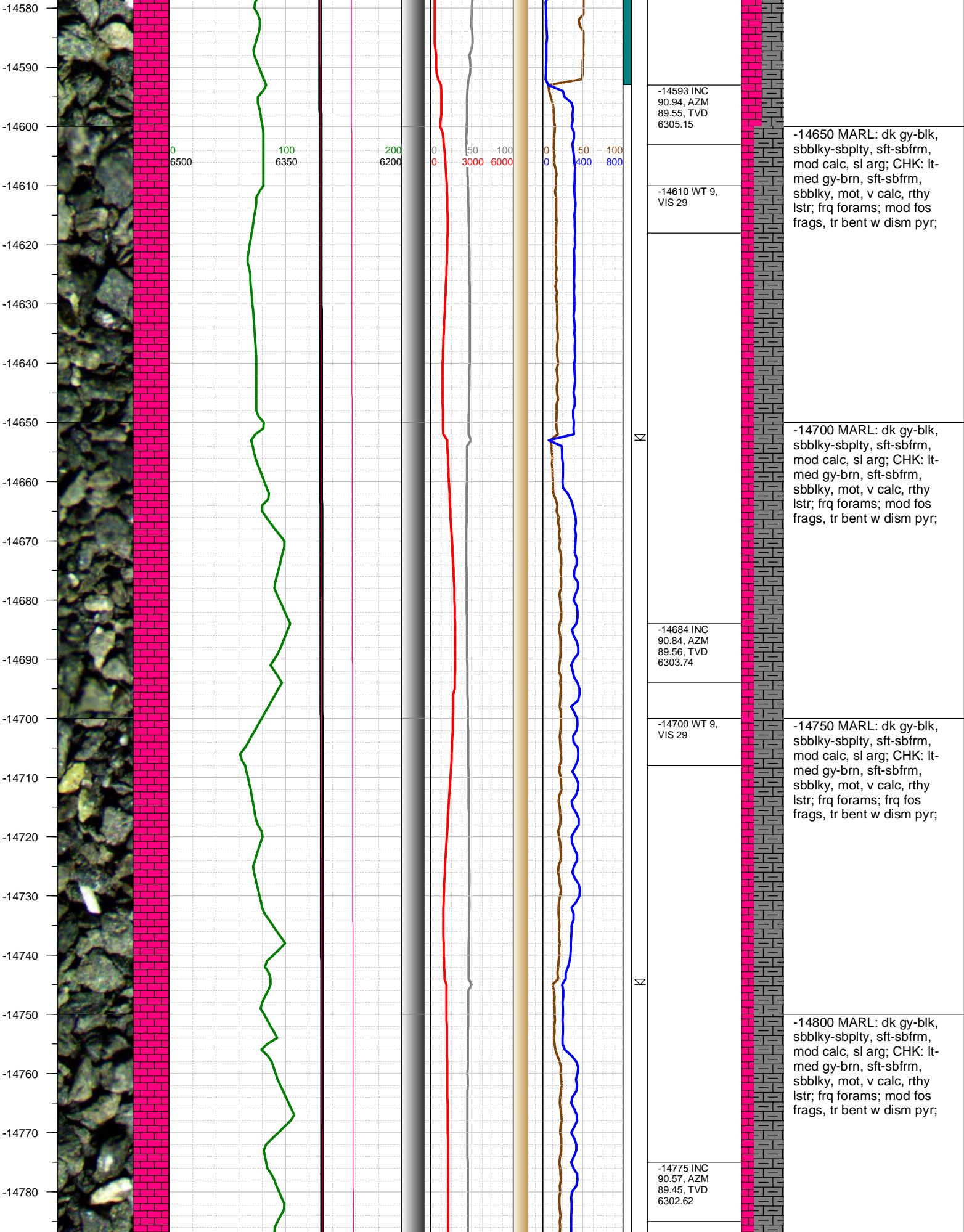




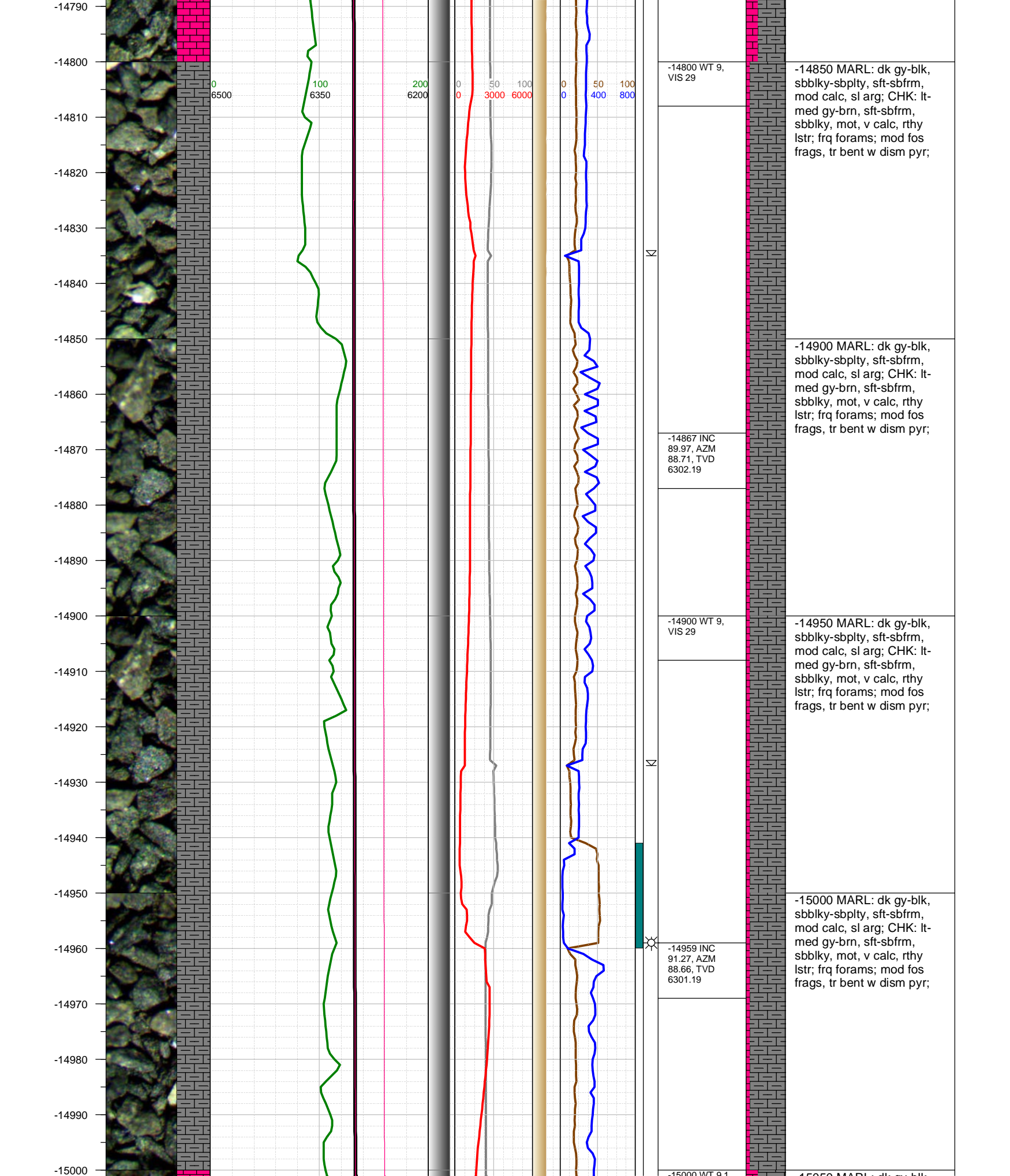


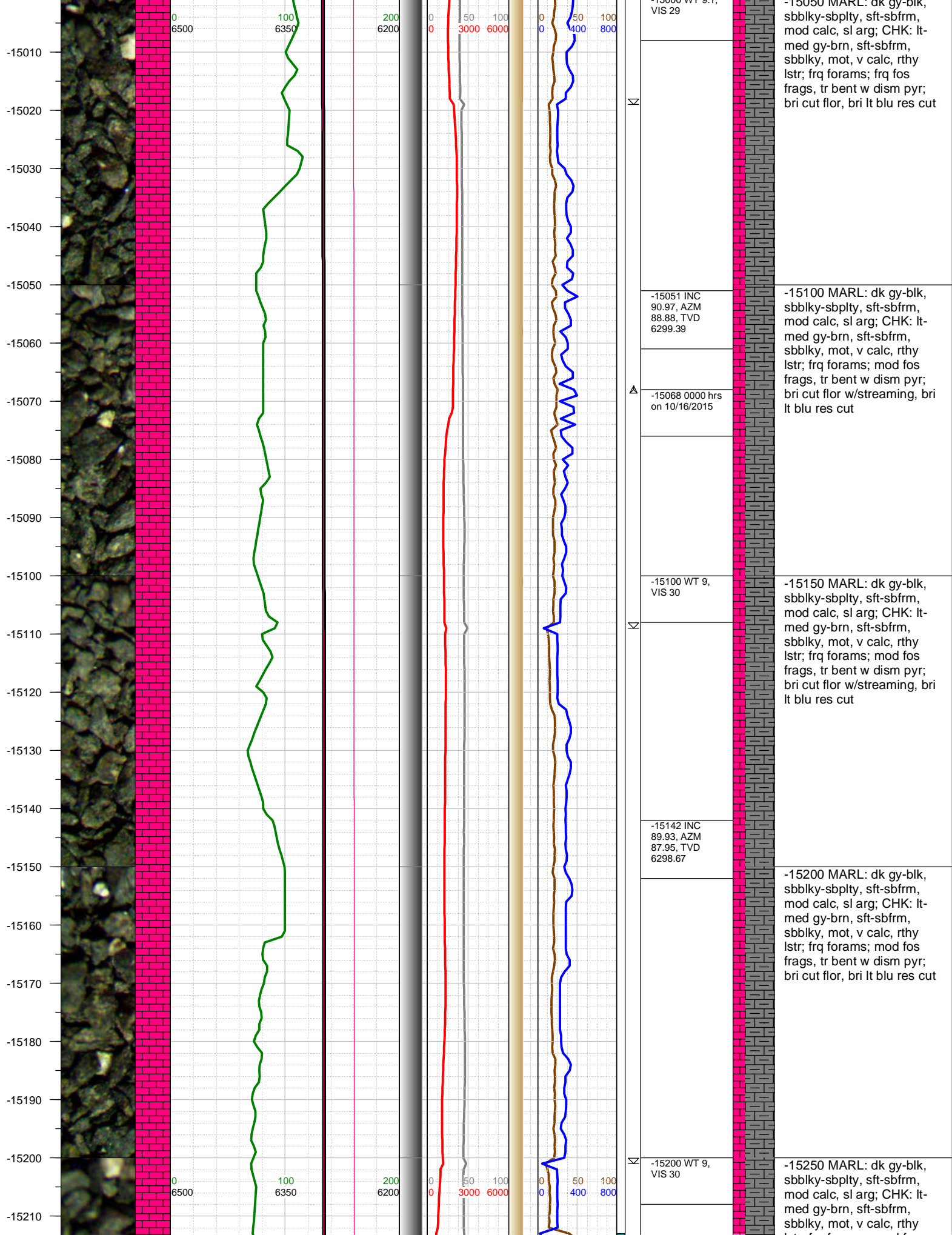


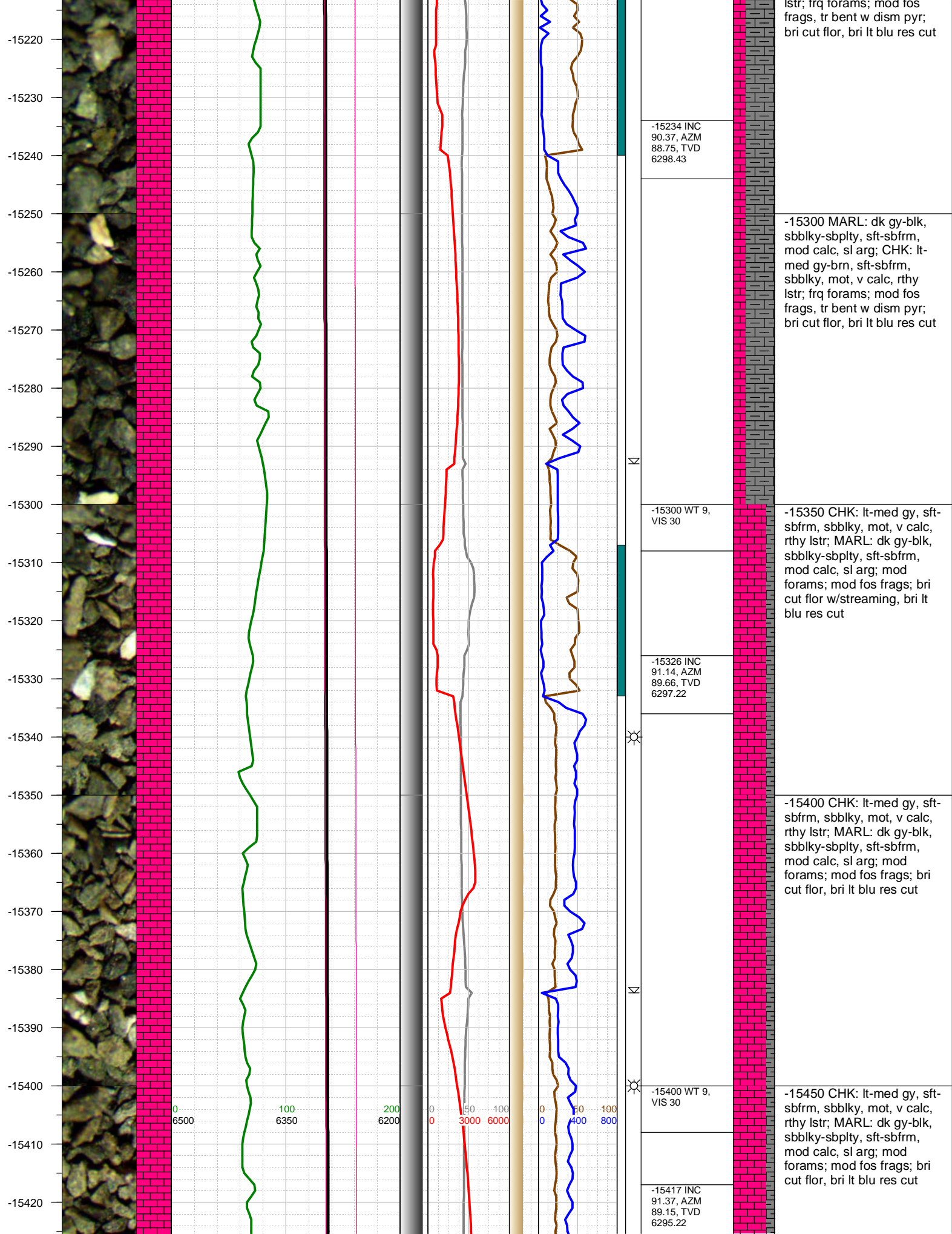






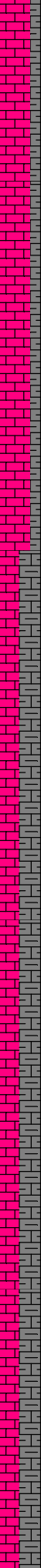
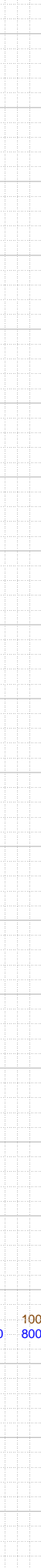
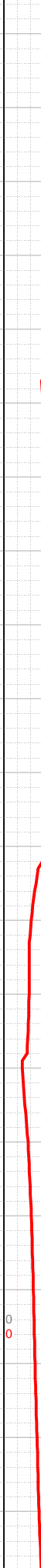
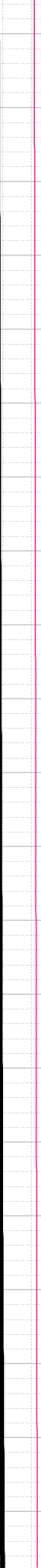
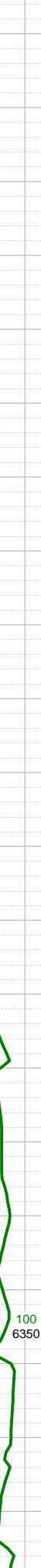
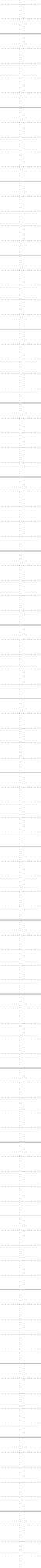
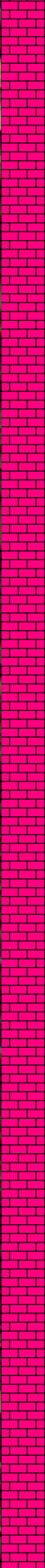
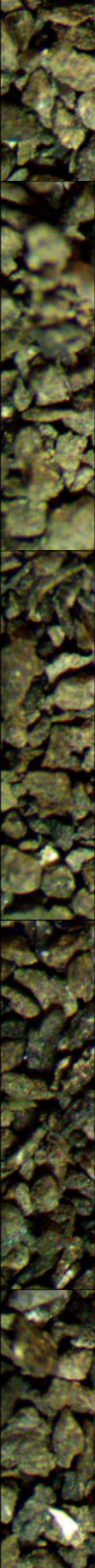








-15430  
-15440  
-15450  
-15460  
-15470  
-15480  
-15490  
-15500  
-15510  
-15520  
-15530  
-15540  
-15550  
-15560  
-15570  
-15580  
-15590  
-15600  
-15610  
-15620  
-15630



15

15

-15500 WT 9,  
VIS 30

-15509 INC  
91.11, AZM  
89.28, TVD  
6293.23

-15600 INC  
91.44, AZM  
89.42, TVD  
6291.2

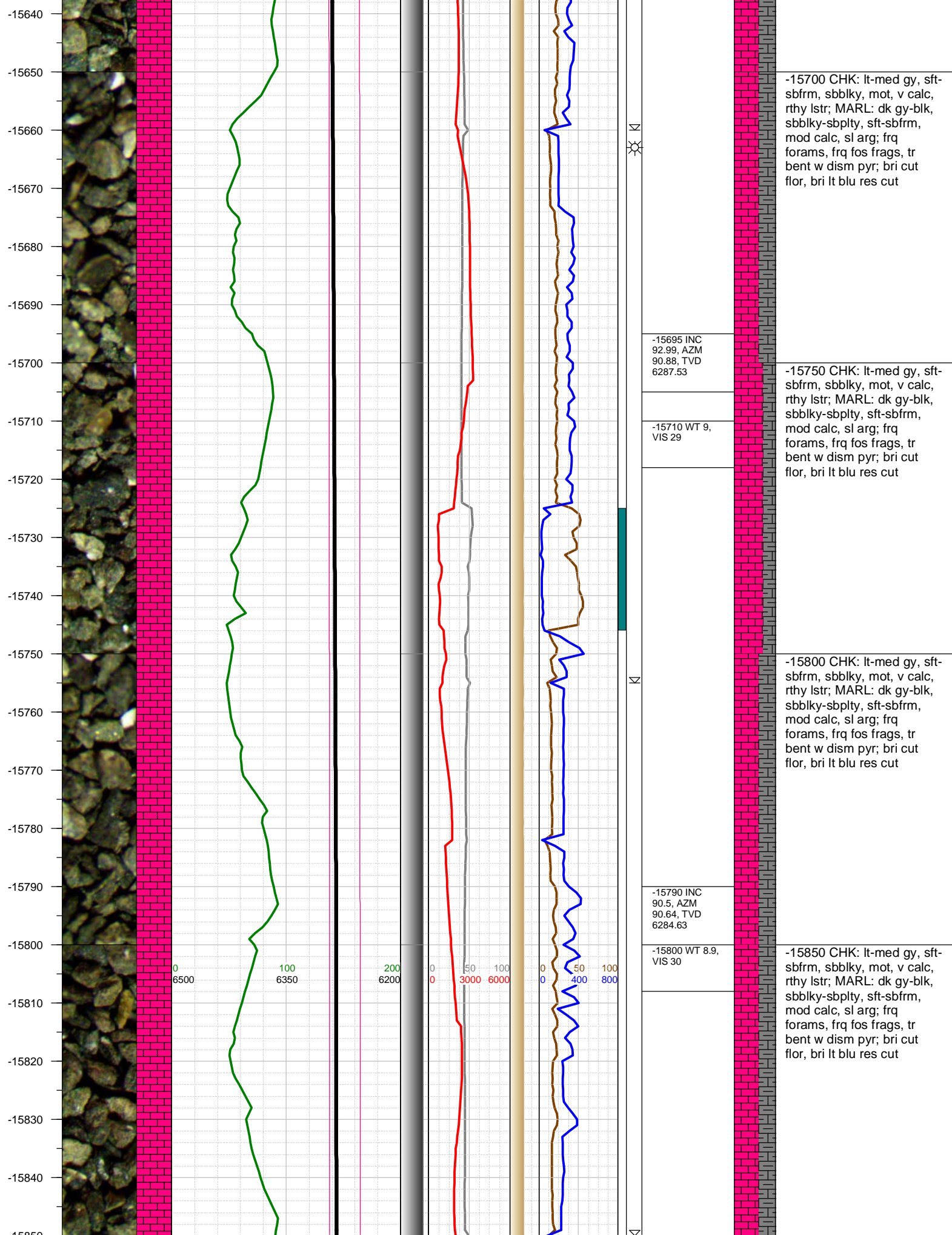
-15610 WT 9,  
VIS 30

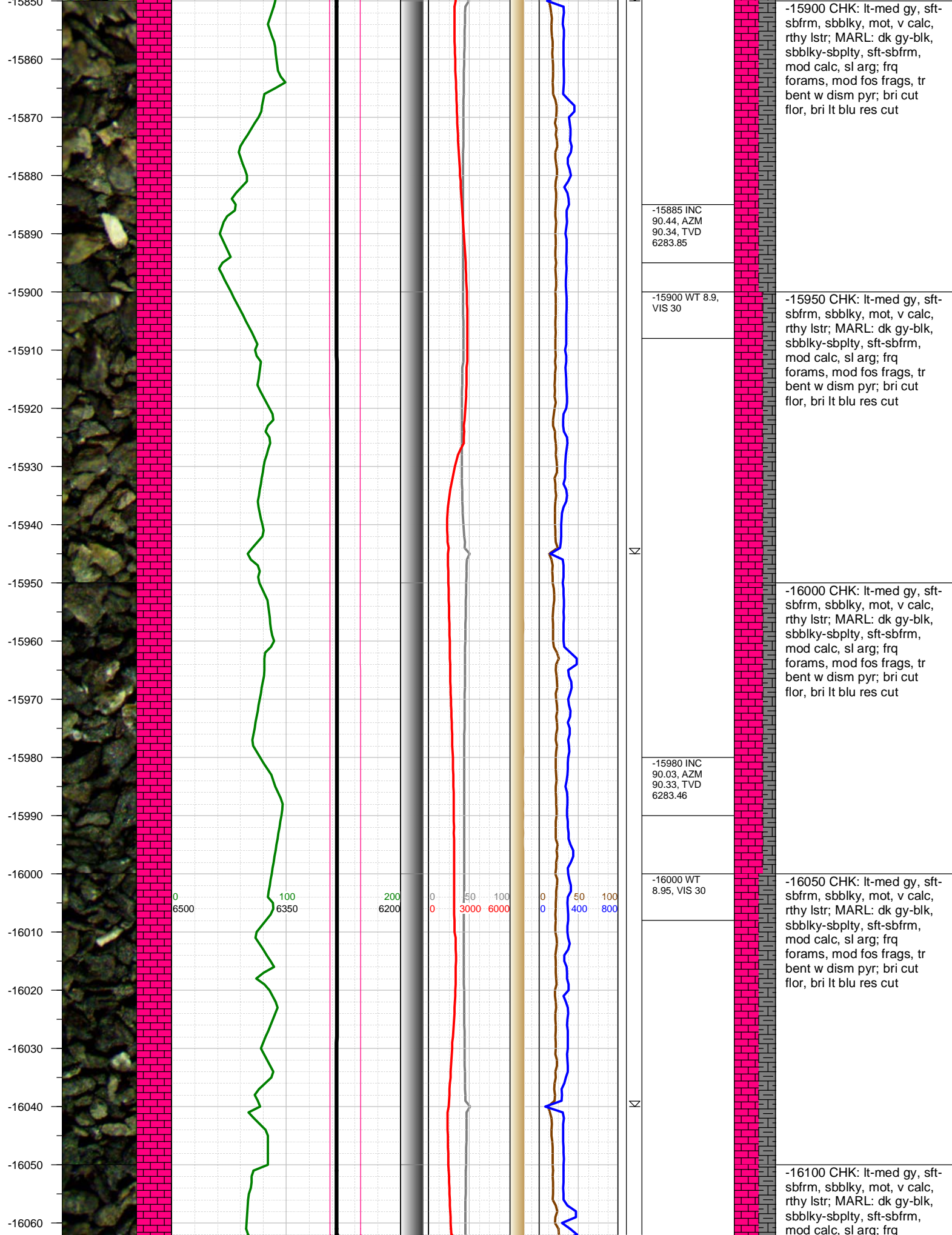
-15500 CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; mod forams; mod fos frags; bri cut flor, bri lt blu res cut

-15550 CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; frq forams; mod fos frags, tr bent w dism pyr; bri cut flor, bri lt blu res cut

-15600 CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; frq forams, frq fos frags, tr bent w dism pyr; bri cut flor, bri lt blu res cut

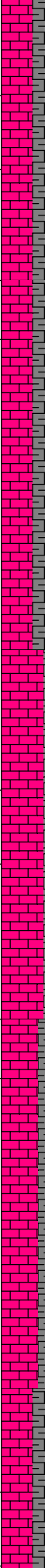
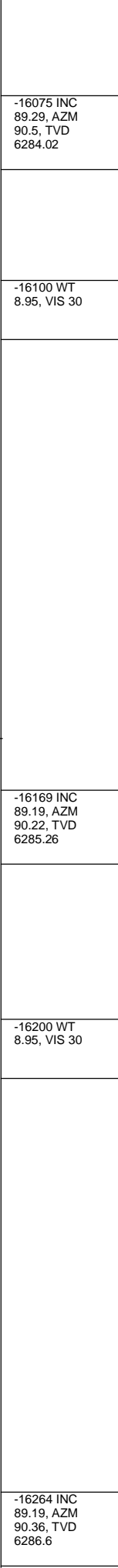
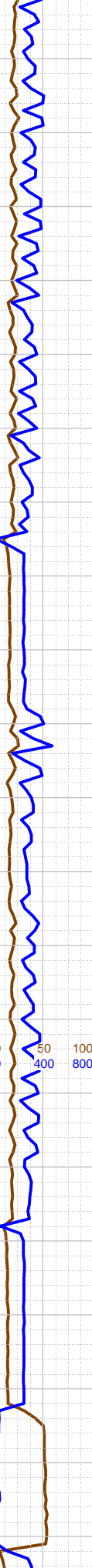
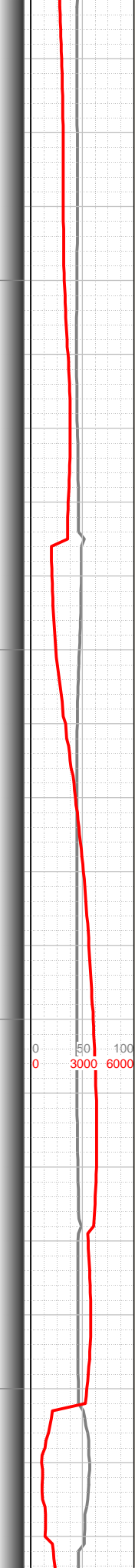
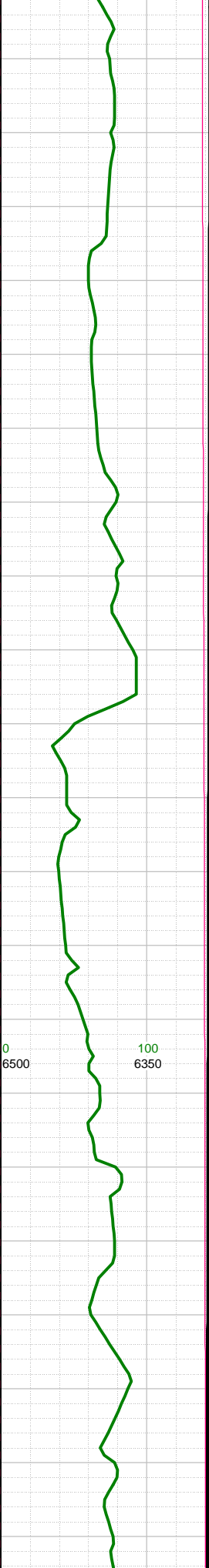
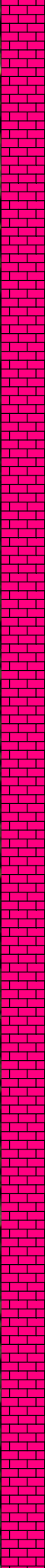
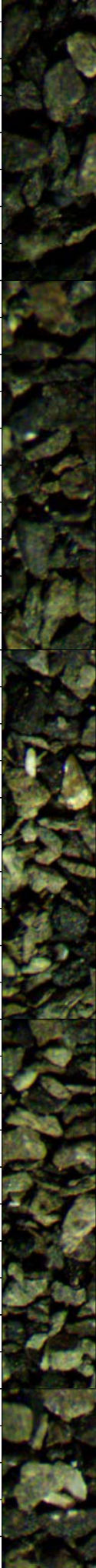
-15650 CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; frq forams, frq fos frags, tr bent w dism pyr; bri cut flor, bri lt blu res cut







-16070  
-16080  
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-16270



forams, mod fos frags, tr bent w dism pyr; bri cut flor, bri lt blu res cut

-16075 INC  
89.29, AZM  
90.5, TVD  
6284.02

-16100 WT  
8.95, VIS 30

-16150 CHK: lt-med gy, sft-sbfrm, sbbiky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbiky-sbplty, sft-sbfrm, mod calc, sl arg; frq forams, mod fos frags, tr bent w dism pyr; bri cut flor, bri lt blu res cut

-16200 CHK: lt-med gy, sft-sbfrm, sbbiky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbiky-sbplty, sft-sbfrm, mod calc, sl arg; frq forams, mod fos frags, tr bent w dism pyr; bri cut flor, bri lt blu res cut

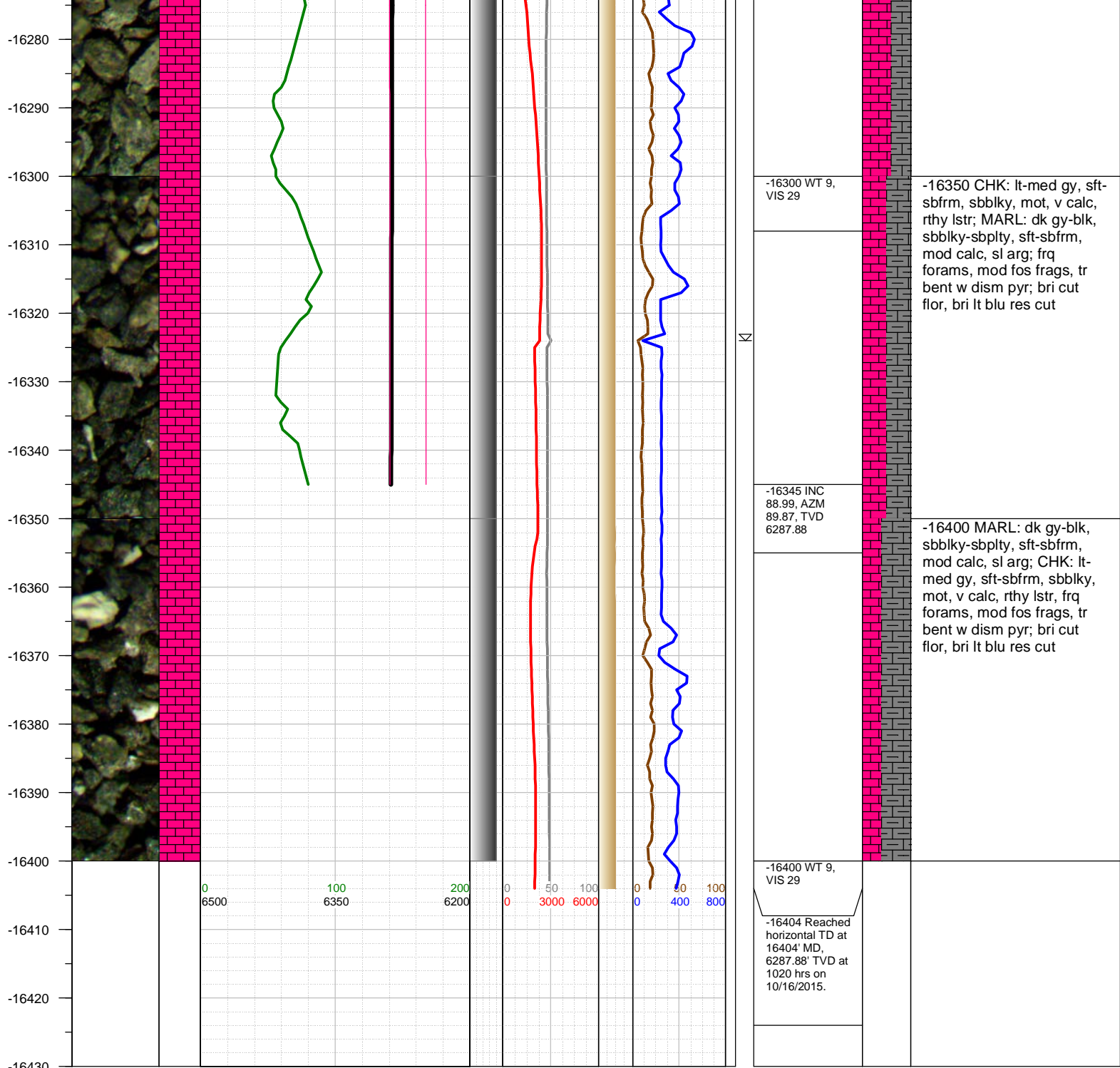
-16169 INC  
89.19, AZM  
90.22, TVD  
6285.26

-16200 WT  
8.95, VIS 30

-16250 CHK: lt-med gy, sft-sbfrm, sbbiky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbiky-sbplty, sft-sbfrm, mod calc, sl arg; frq forams, mod fos frags, tr bent w dism pyr; bri cut flor, bri lt blu res cut

-16300 CHK: lt-med gy, sft-sbfrm, sbbiky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbiky-sbplty, sft-sbfrm, mod calc, sl arg; frq forams, mod fos frags, tr bent w dism pyr; bri cut flor, bri lt blu res cut

-16264 INC  
89.19, AZM  
90.36, TVD  
6286.6



TOTAL DEPTH = 16404'

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