

OPERATOR: **Bill Barrett Corp**

WELL NAME: **Anschutz State 5-62-26-1609BH2**

FIELD NAME: Wattenberg

DRILLING RIG: Cade 24

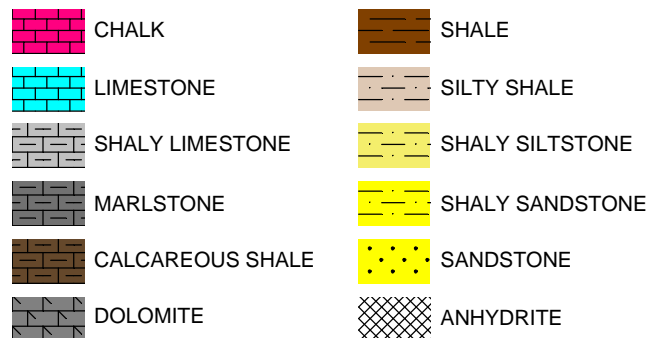
API #: 05-123-40224



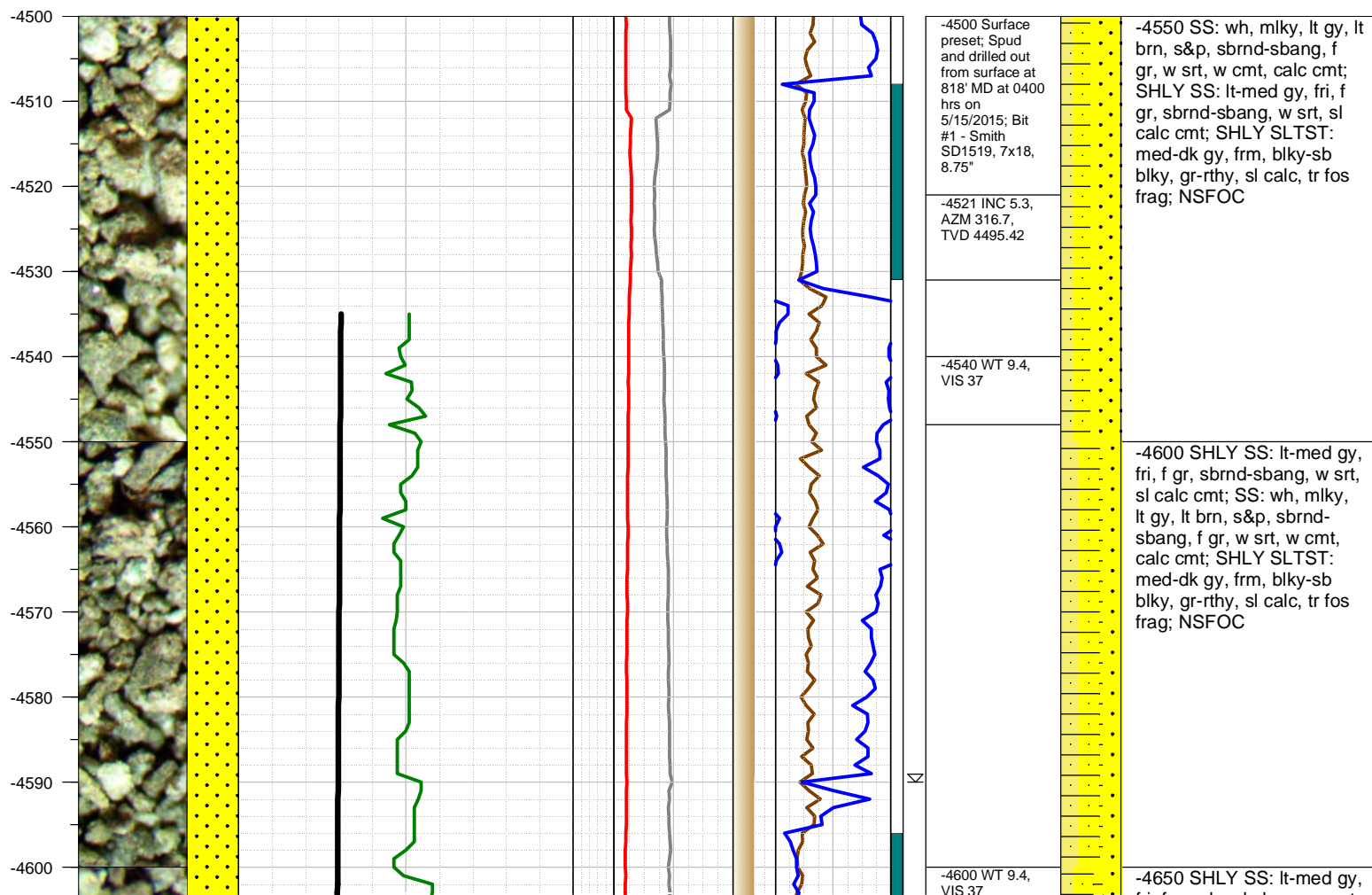
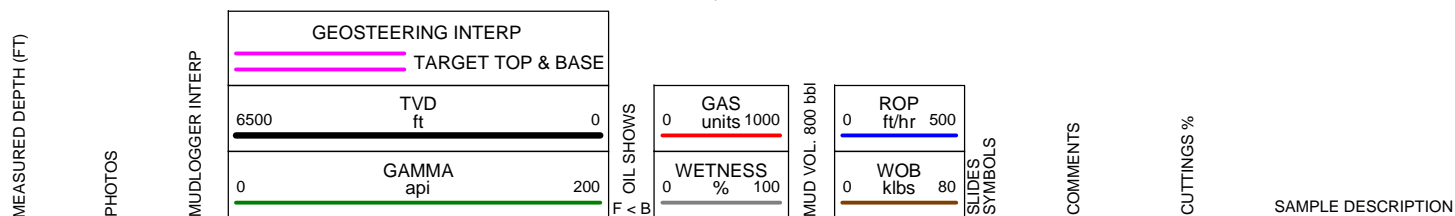
Earth Science Agency, LLC

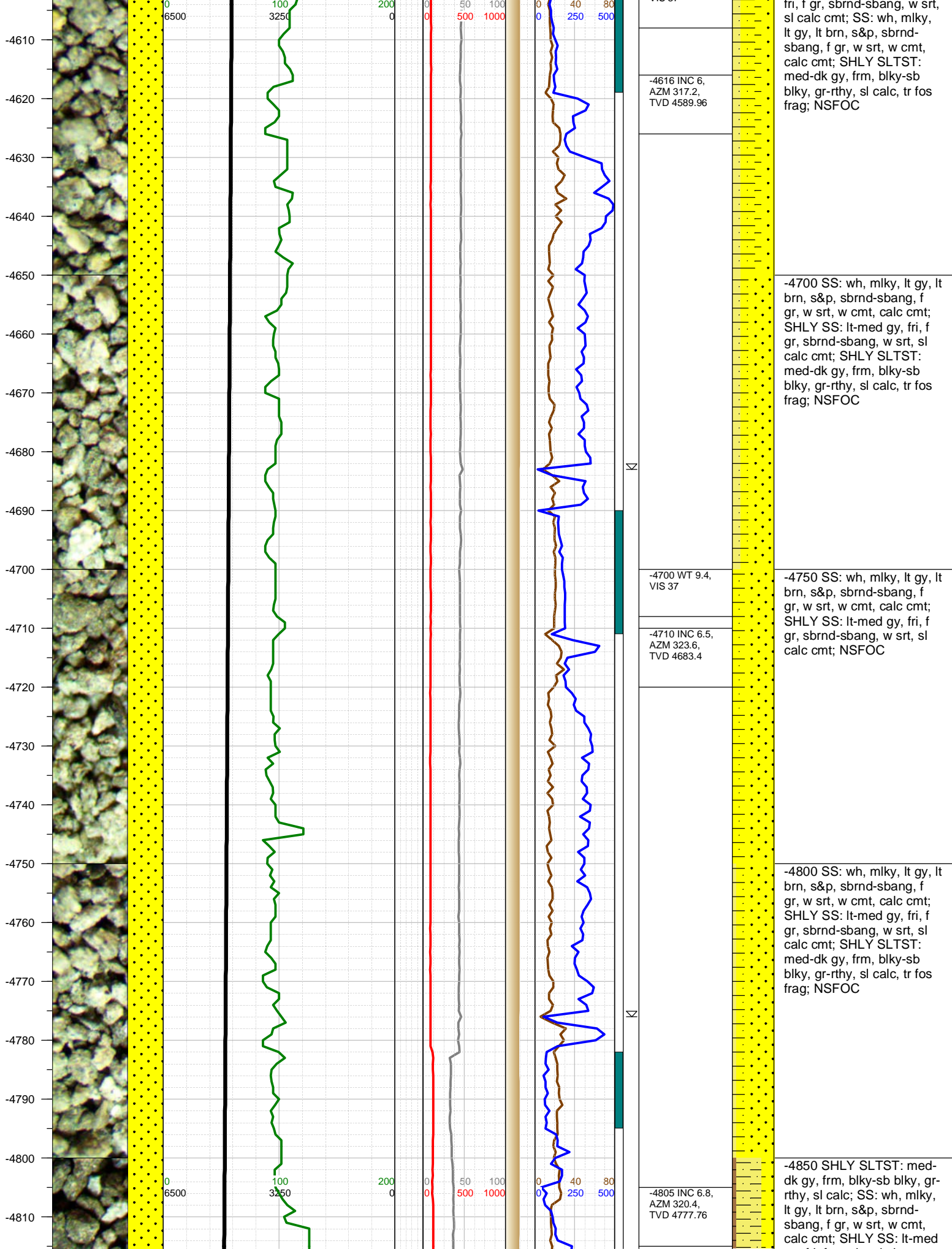
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 4640'
KELLY BUSHING: 4656'
DRILLING FLUID: LSND
TVD VS. MD: 6099' / 16255'
SPUD DATE: March 05, 2015
BEGIN LOGGING: 4500'; May 15, 2015
TD DATE: May 25, 2015
DATES LOGGED: May 15 - May 25, 2015
DEPTHS LOGGED: 4500' - 16254'
LOGGER: Blue Spikes

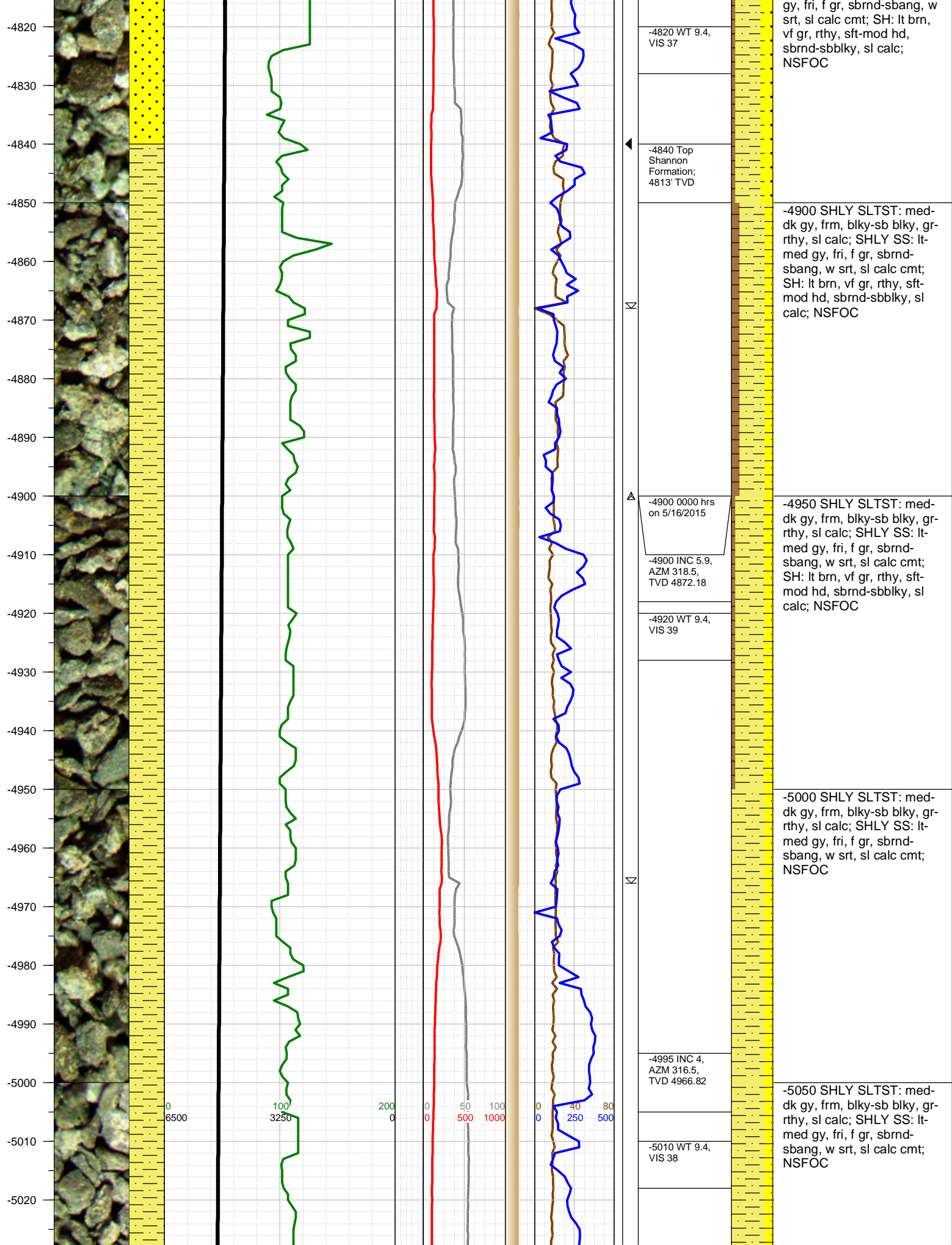
LEGEND

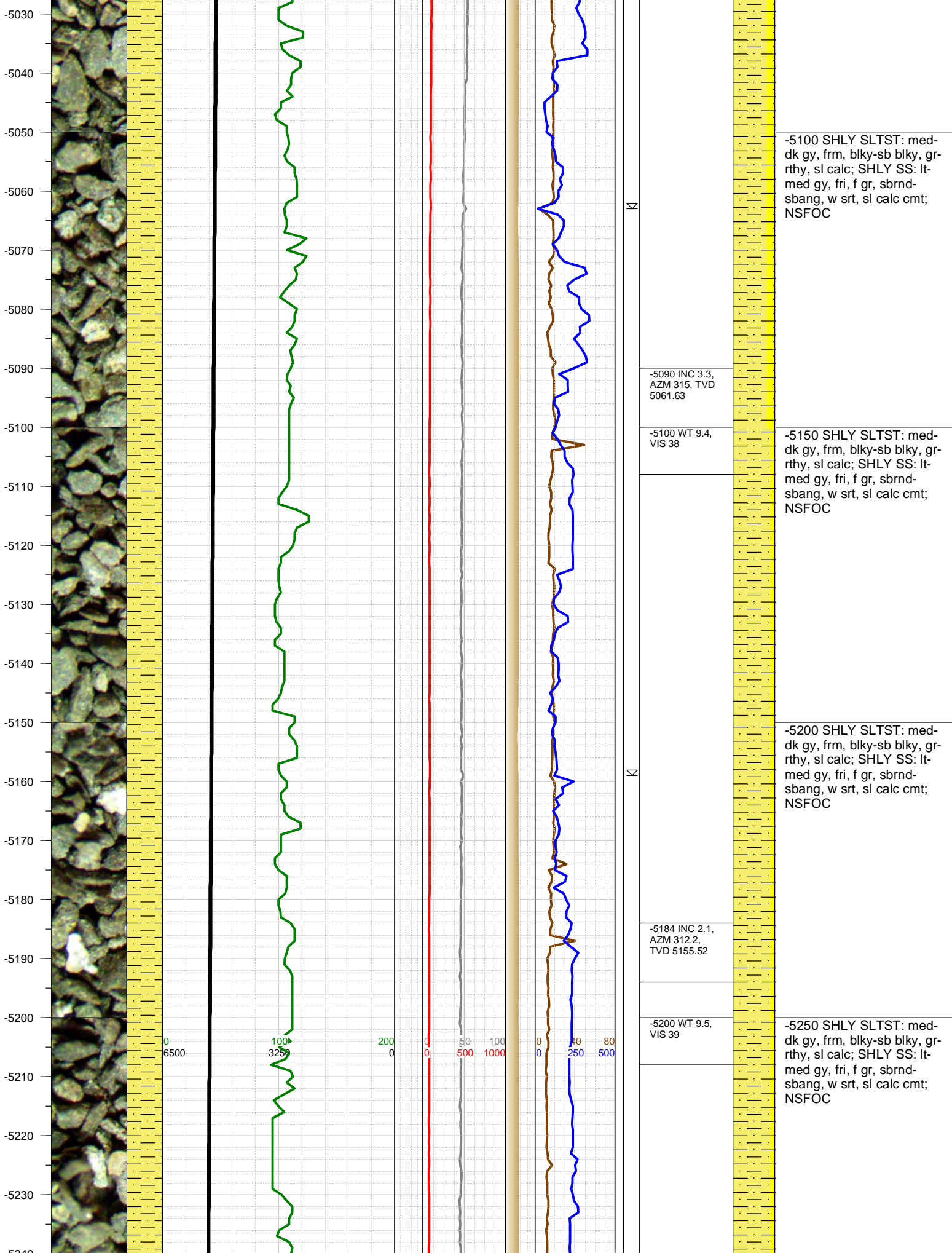


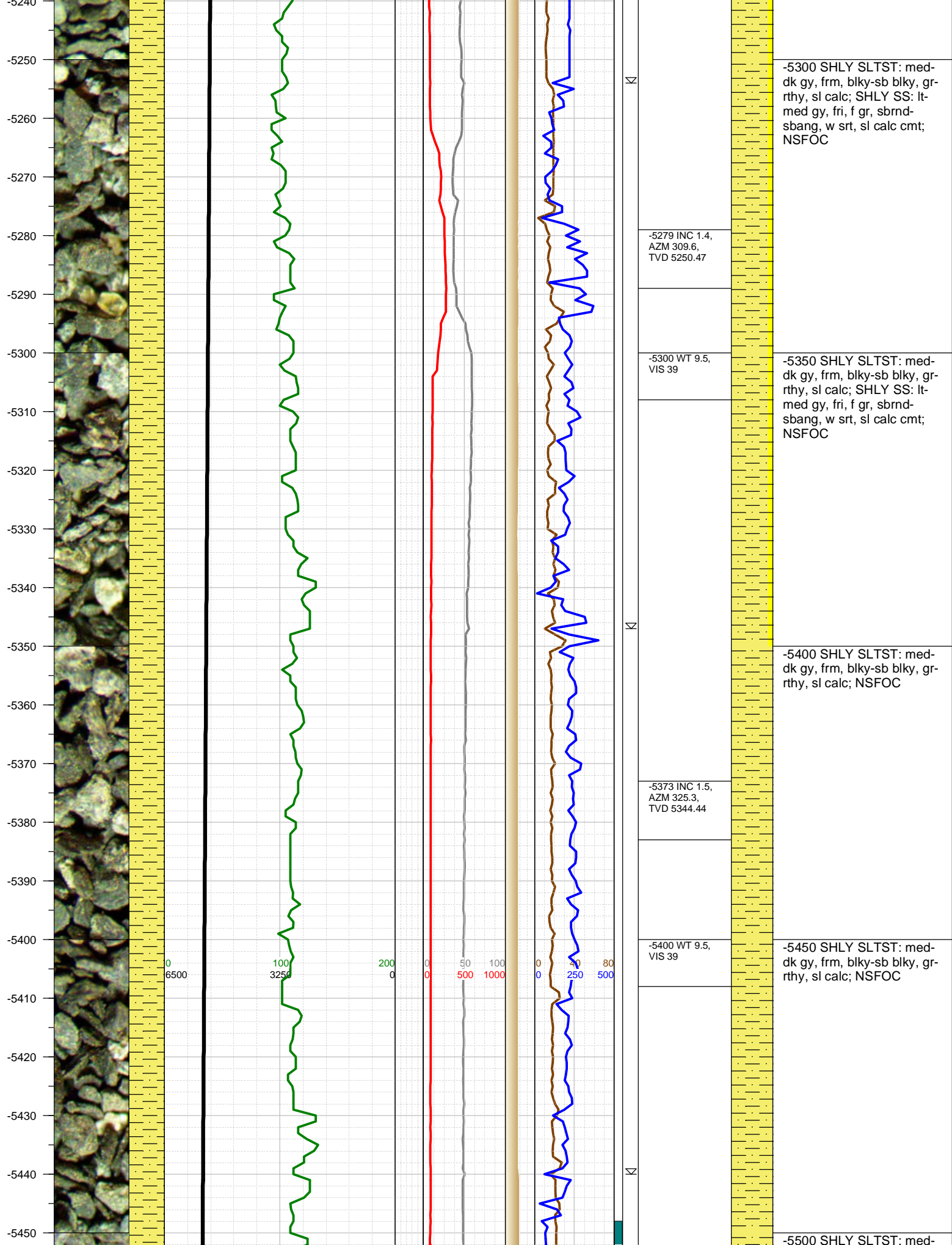
FORMATION \approx CONNECTION Δ MIDNIGHT NEW BIT GAS SHOW FAULT

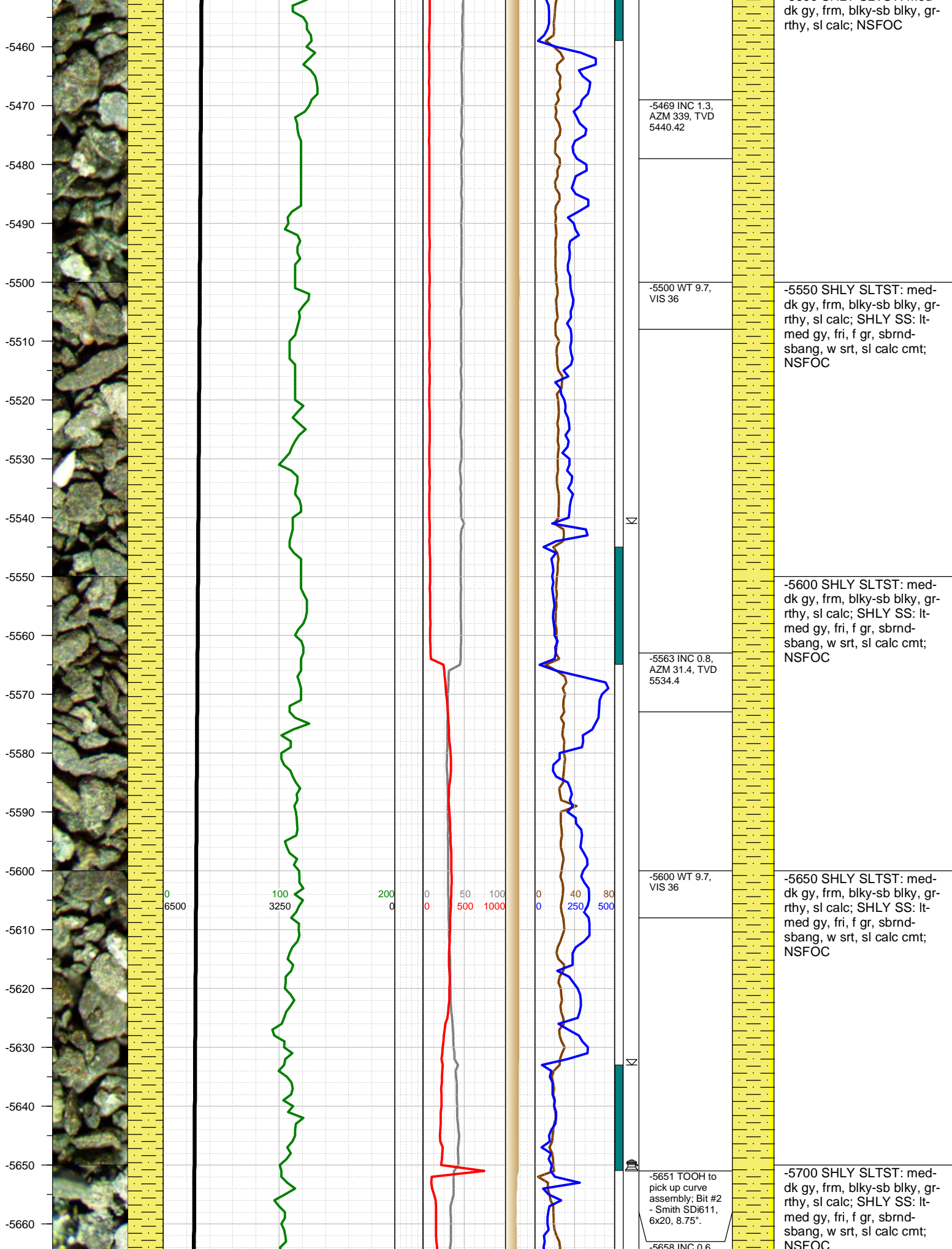


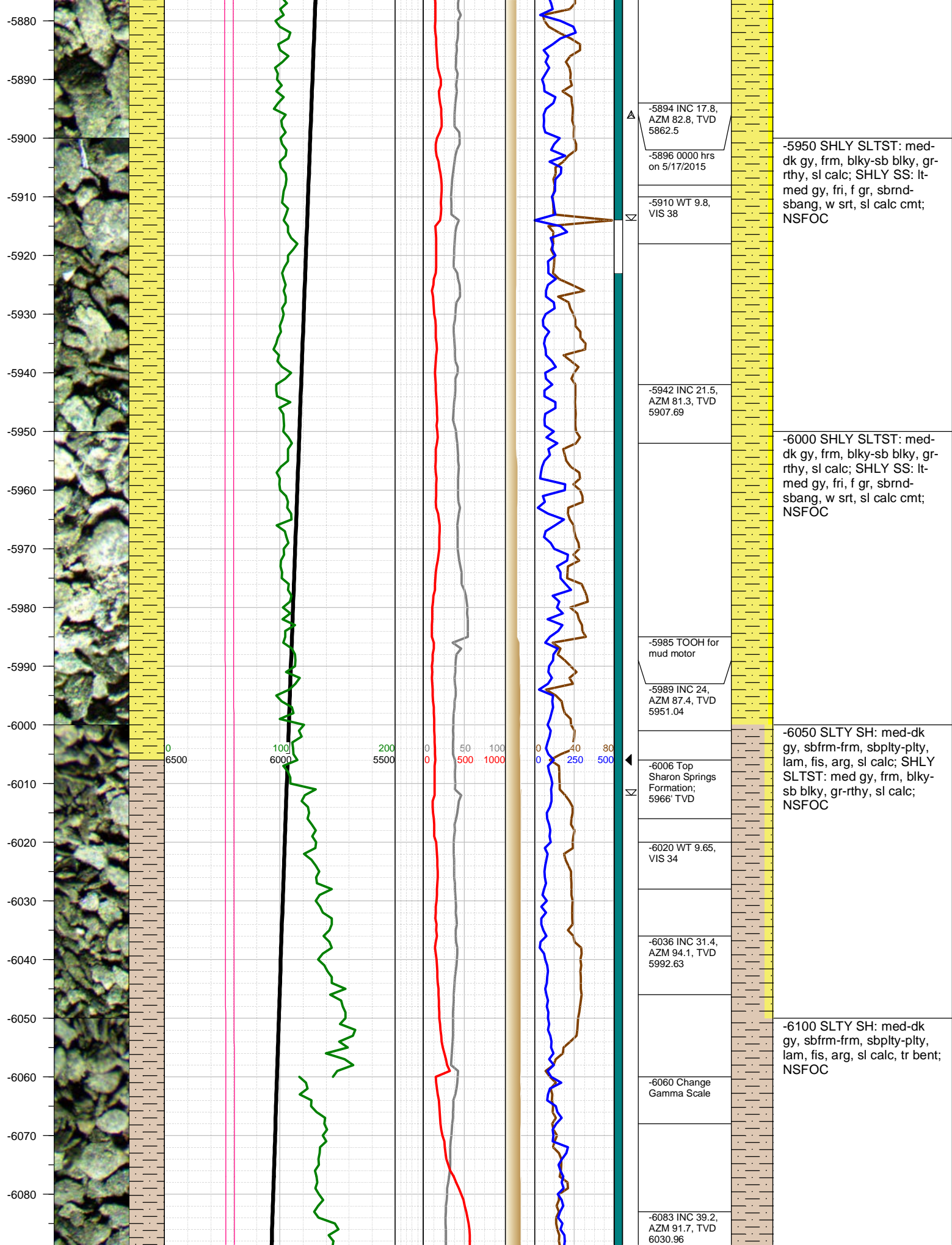


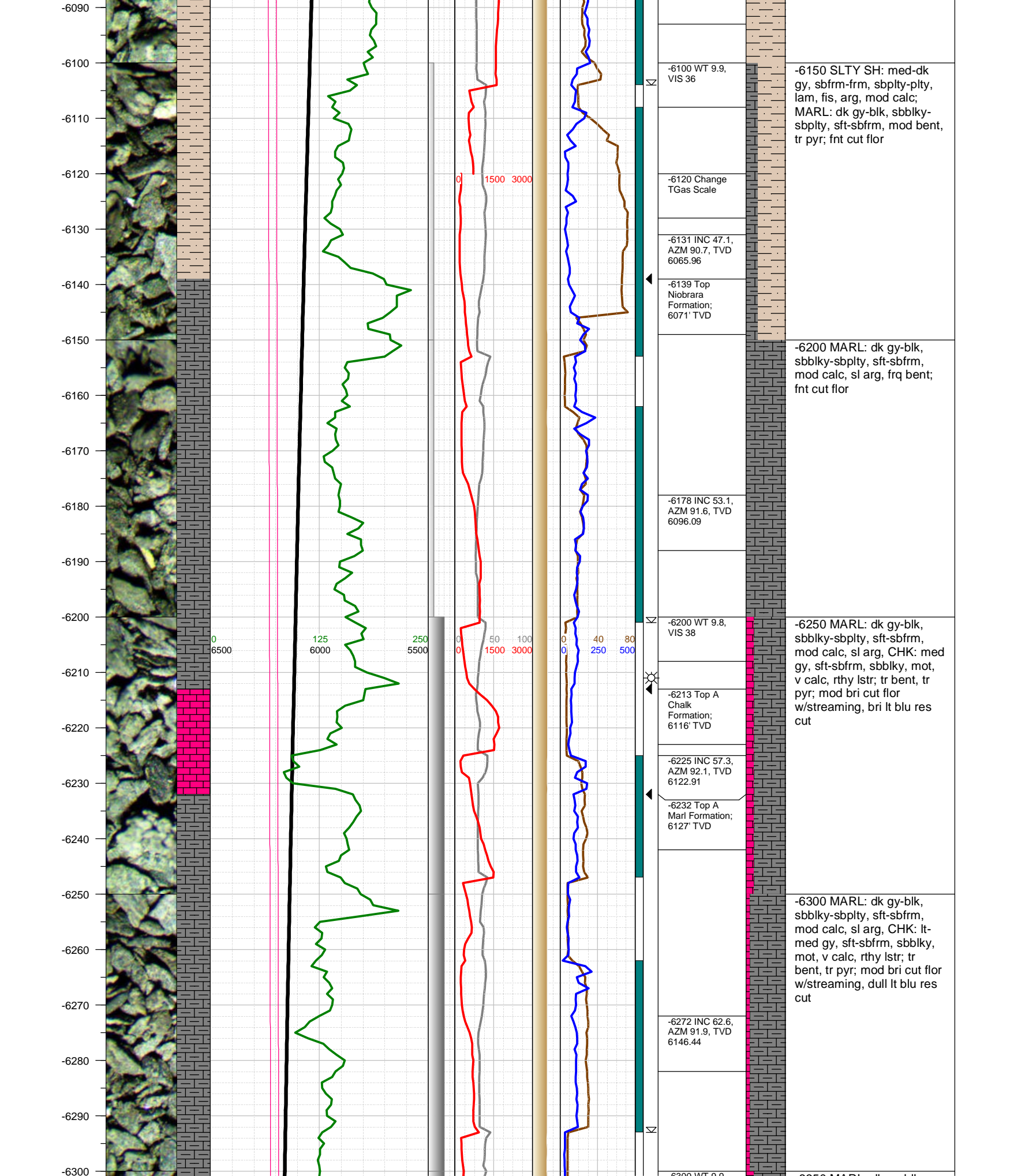


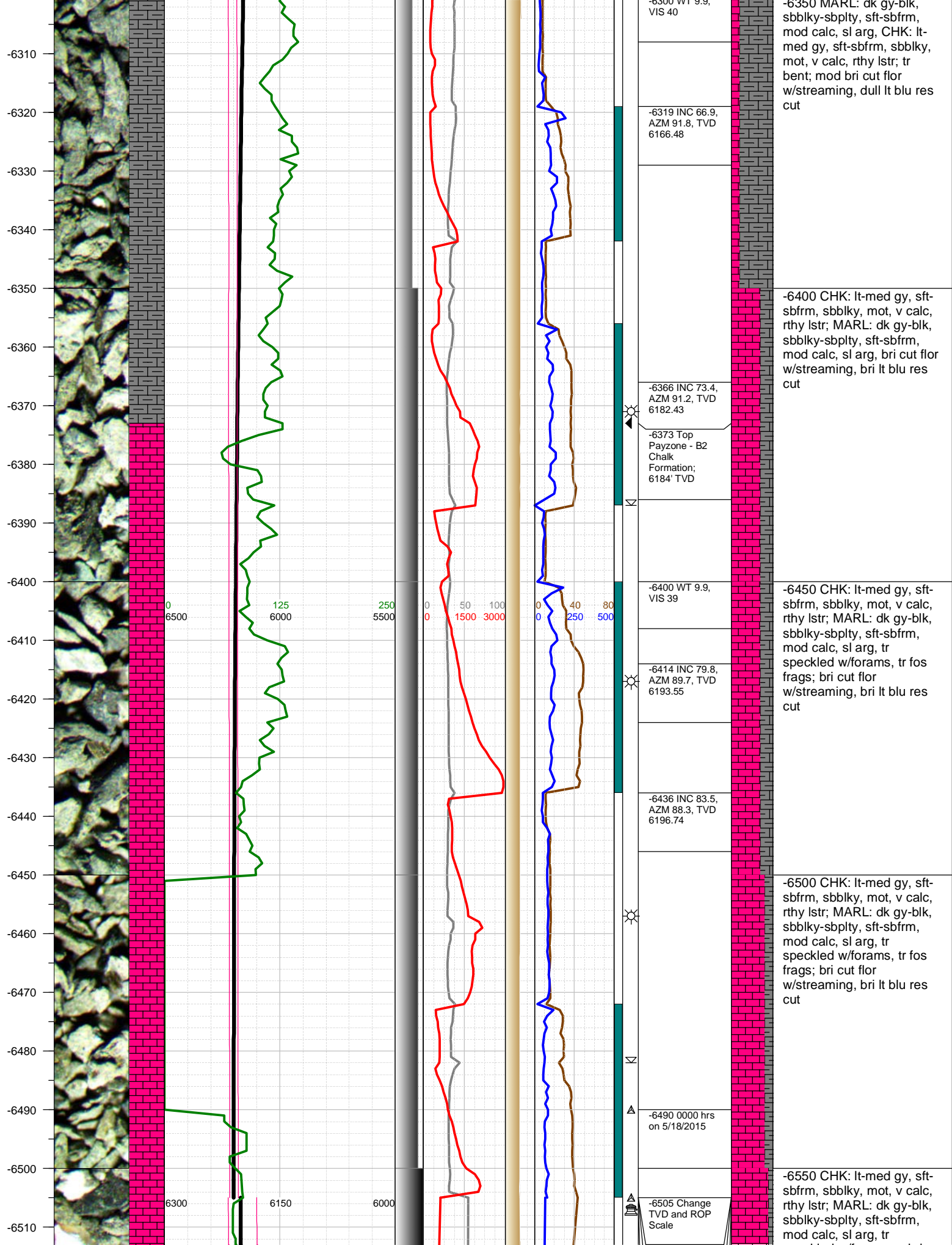


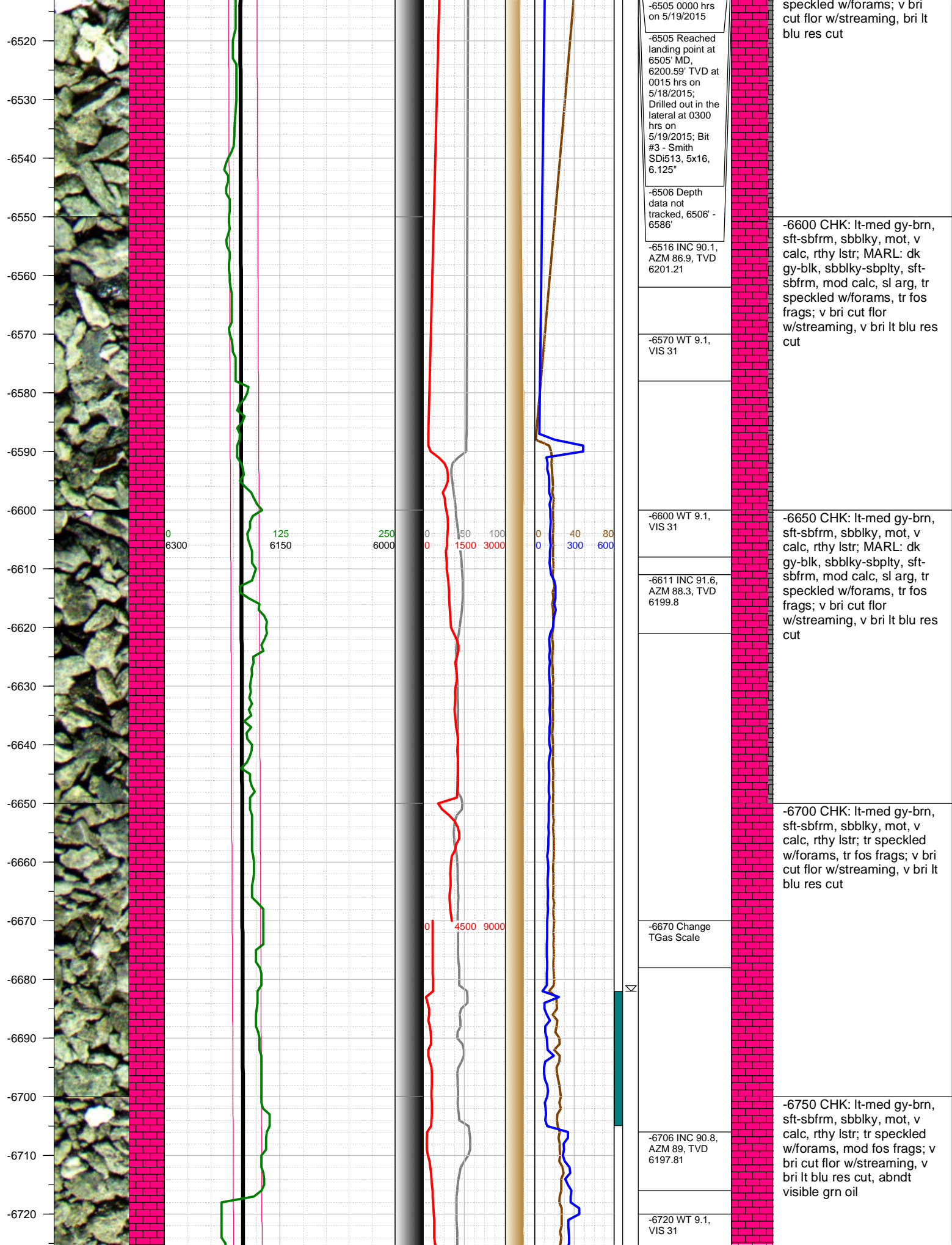




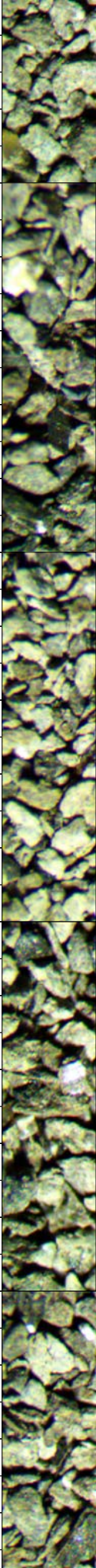








-6730
-6740
-6750
-6760
-6770
-6780
-6790
-6800
-6810
-6820
-6830
-6840
-6850
-6860
-6870
-6880
-6890
-6900
-6910
-6920
-6930



0
6300

125
6150

250
6000

0
0

50
4500

100
9000

0
0

40
300

80
600



-6736 Abundant
oil visible in
samples



-6800 INC 90.6,
AZM 89.7, TVD
6196.66

-6810 WT 9.1,
VIS 30



-6895 INC 91.4,
AZM 89.3, TVD
6195

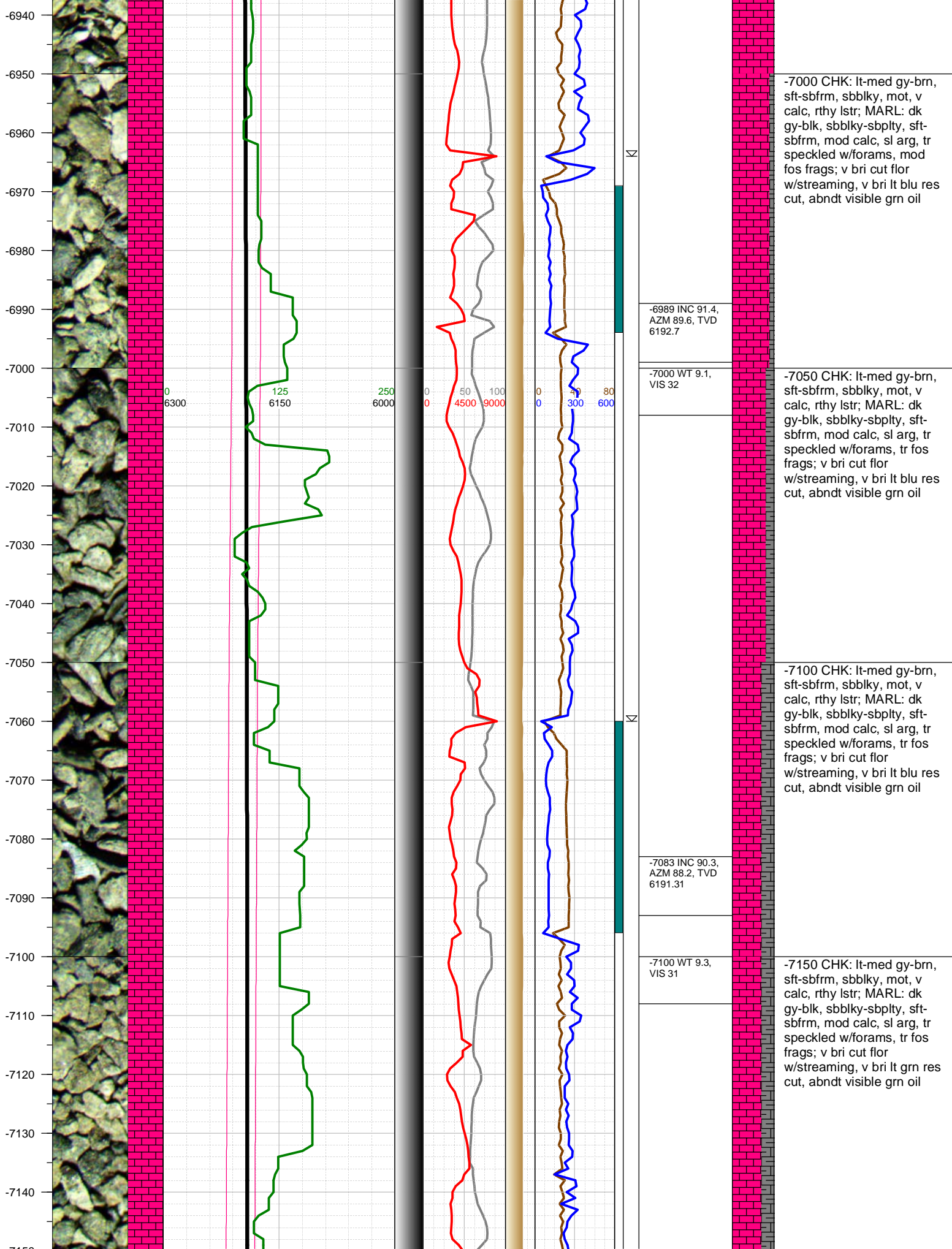
-6910 WT 9.1,
VIS 32

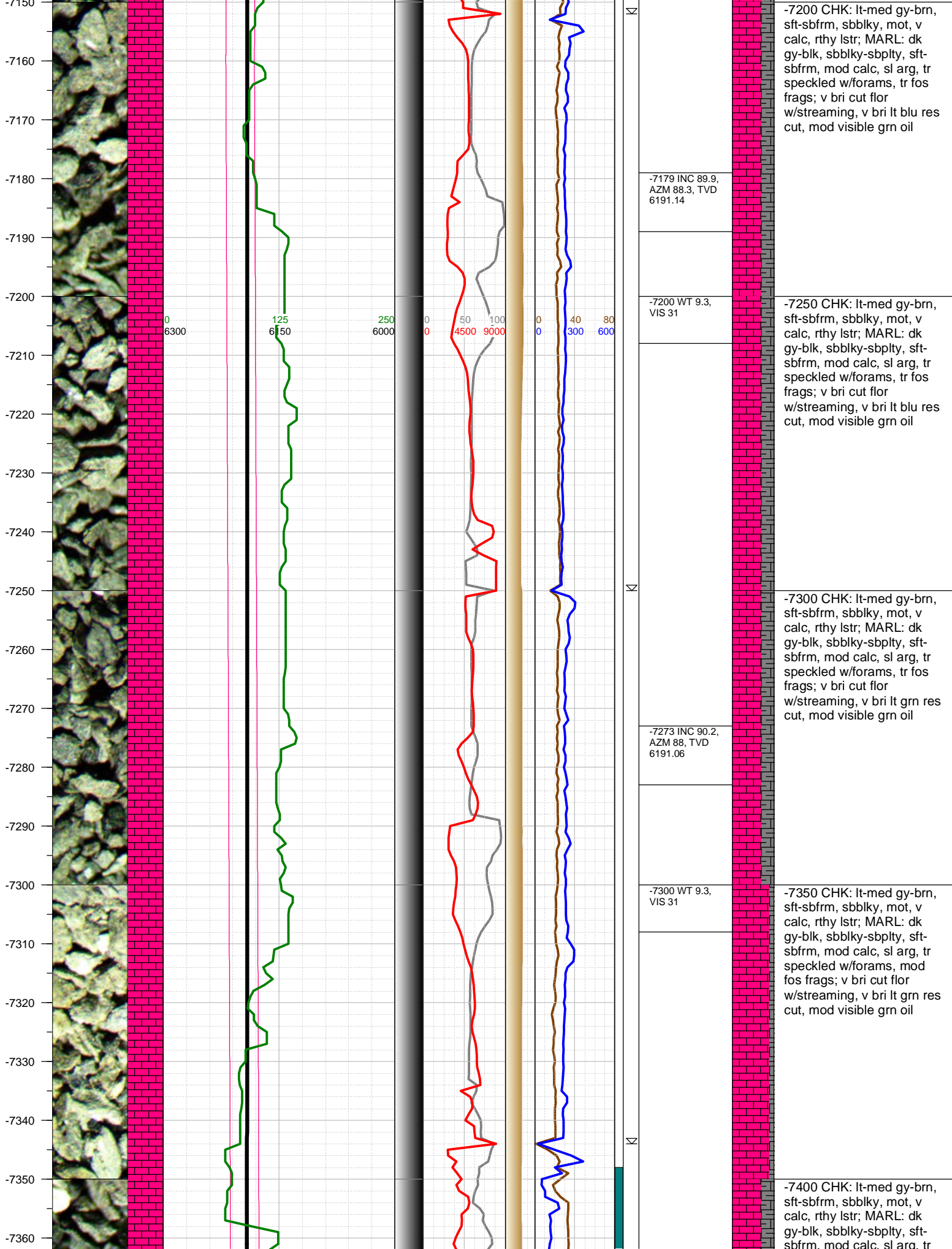
-6800 CHK: lt-med gy-brn,
sft-sbfrm, sbbly, mot, v
calc, rthy lstr; MARL: dk
gy-blk, sbbly-sbply, sft-
sbfrm, mod calc, sl arg, tr
speckled w/forams, mod
fos frags; tr bent; v bri cut
flor w/streaming, v bri lt blu
res cut, abndt visible grn oil

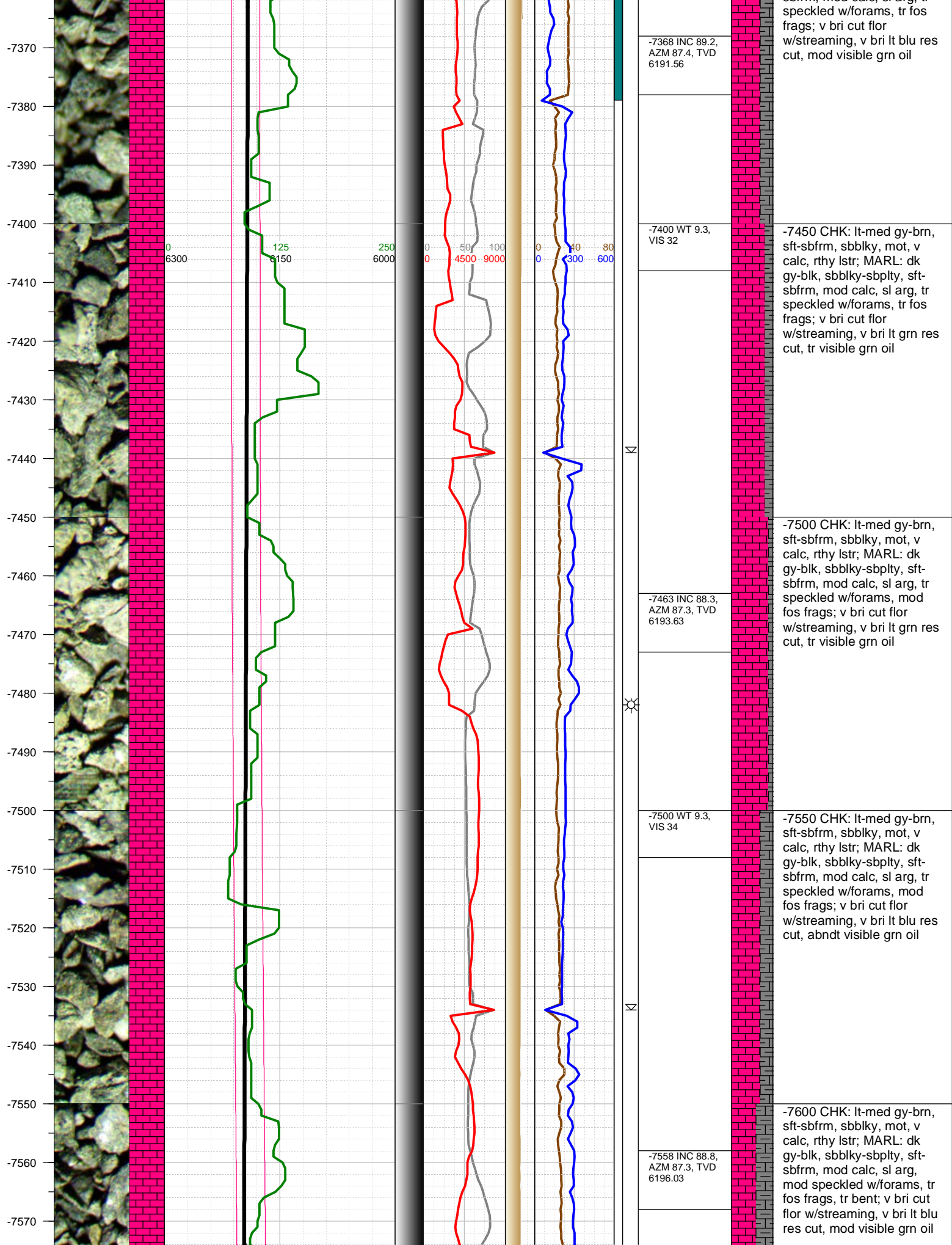
-6850 CHK: lt-med gy-brn,
sft-sbfrm, sbbly, mot, v
calc, rthy lstr; tr speckled
w/forams, mod fos frags; v
bri cut flor w/streaming, v
bri lt blu res cut, abndt
visible grn oil

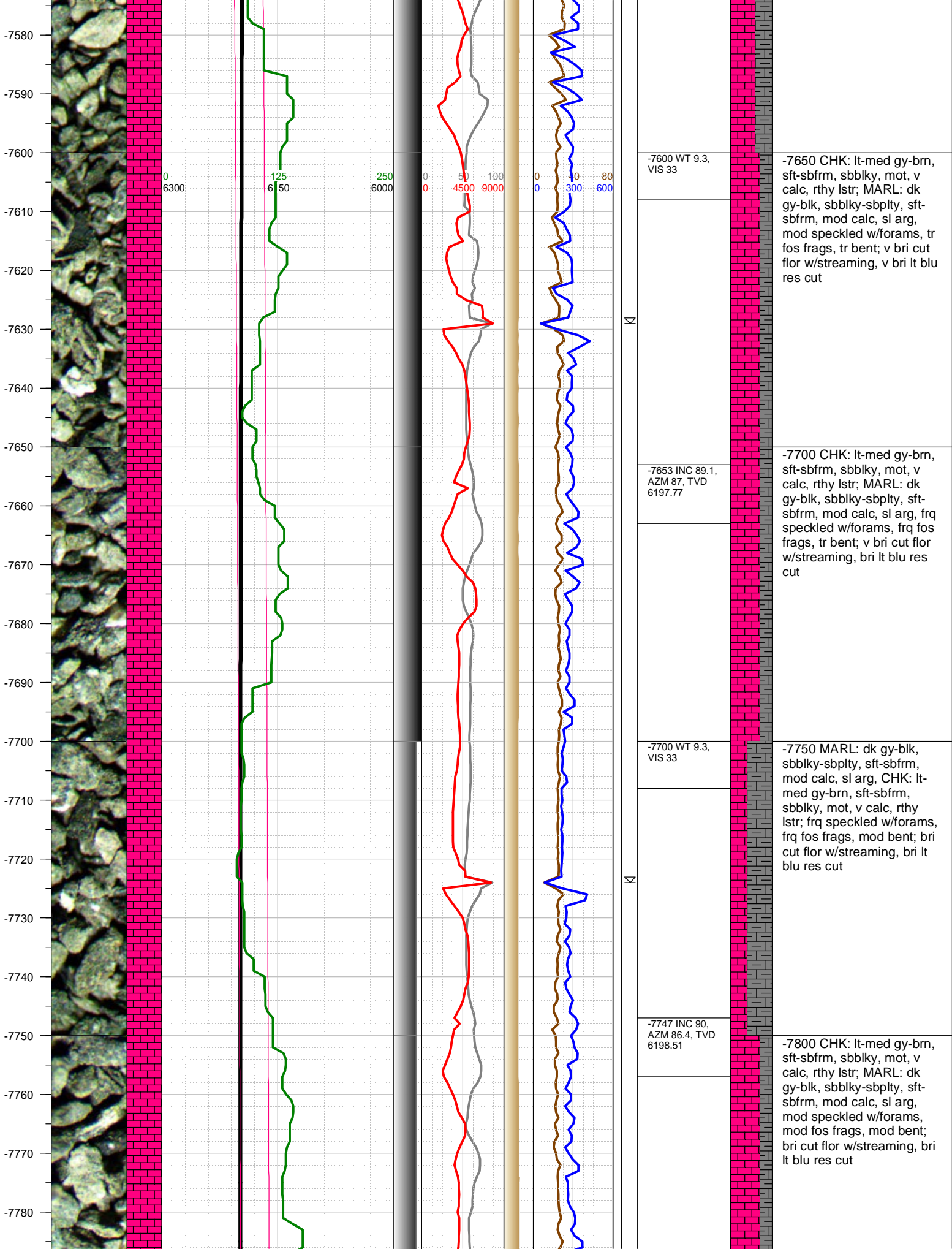
-6900 CHK: lt-med gy-brn,
sft-sbfrm, sbbly, mot, v
calc, rthy lstr; tr speckled
w/forams, mod fos frags; v
bri cut flor w/streaming, v
bri lt blu res cut, abndt
visible grn oil

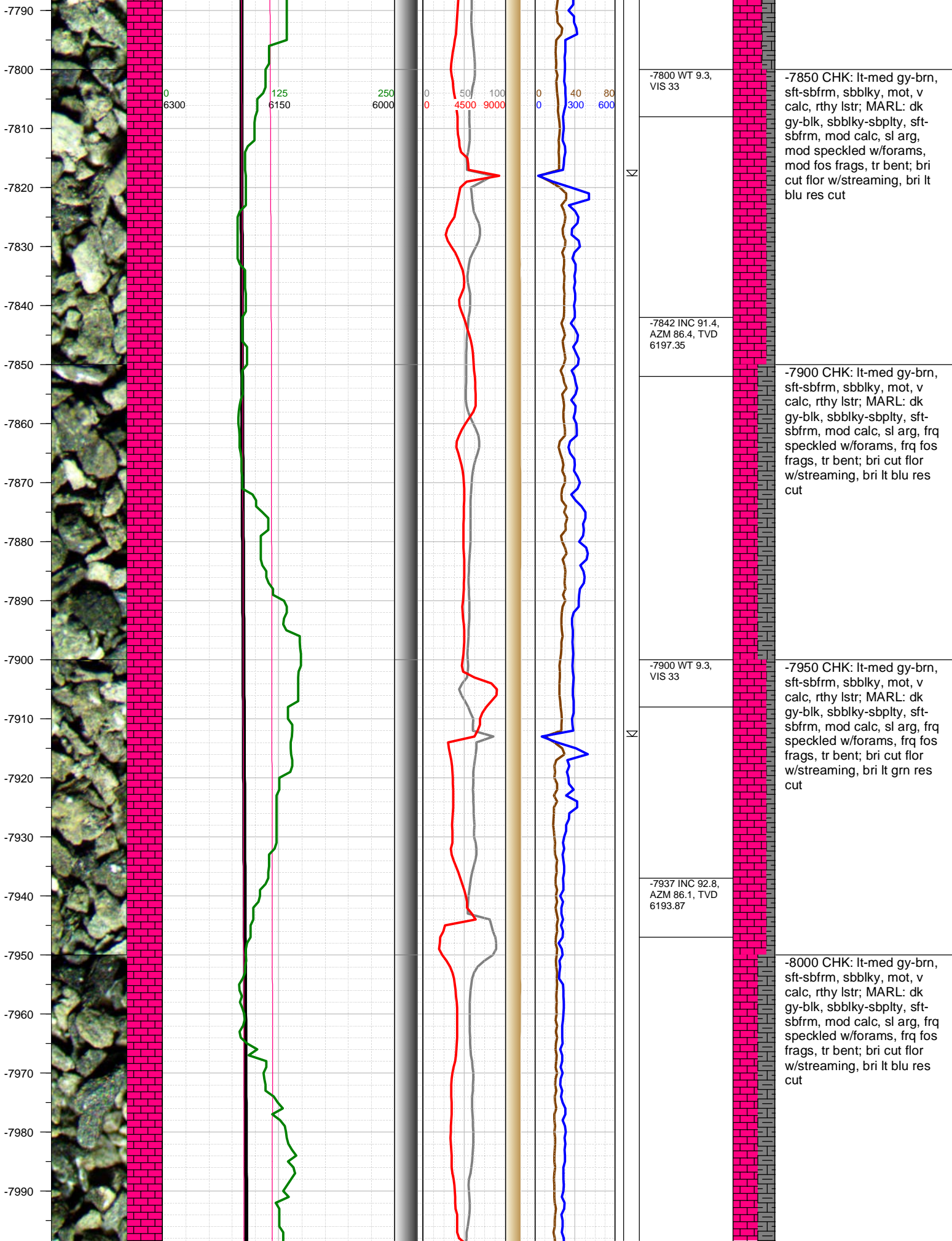
-6950 CHK: lt-med gy-brn,
sft-sbfrm, sbbly, mot, v
calc, rthy lstr; tr speckled
w/forams, mod fos frags; v
bri cut flor w/streaming, v
bri lt blu res cut, abndt
visible grn oil

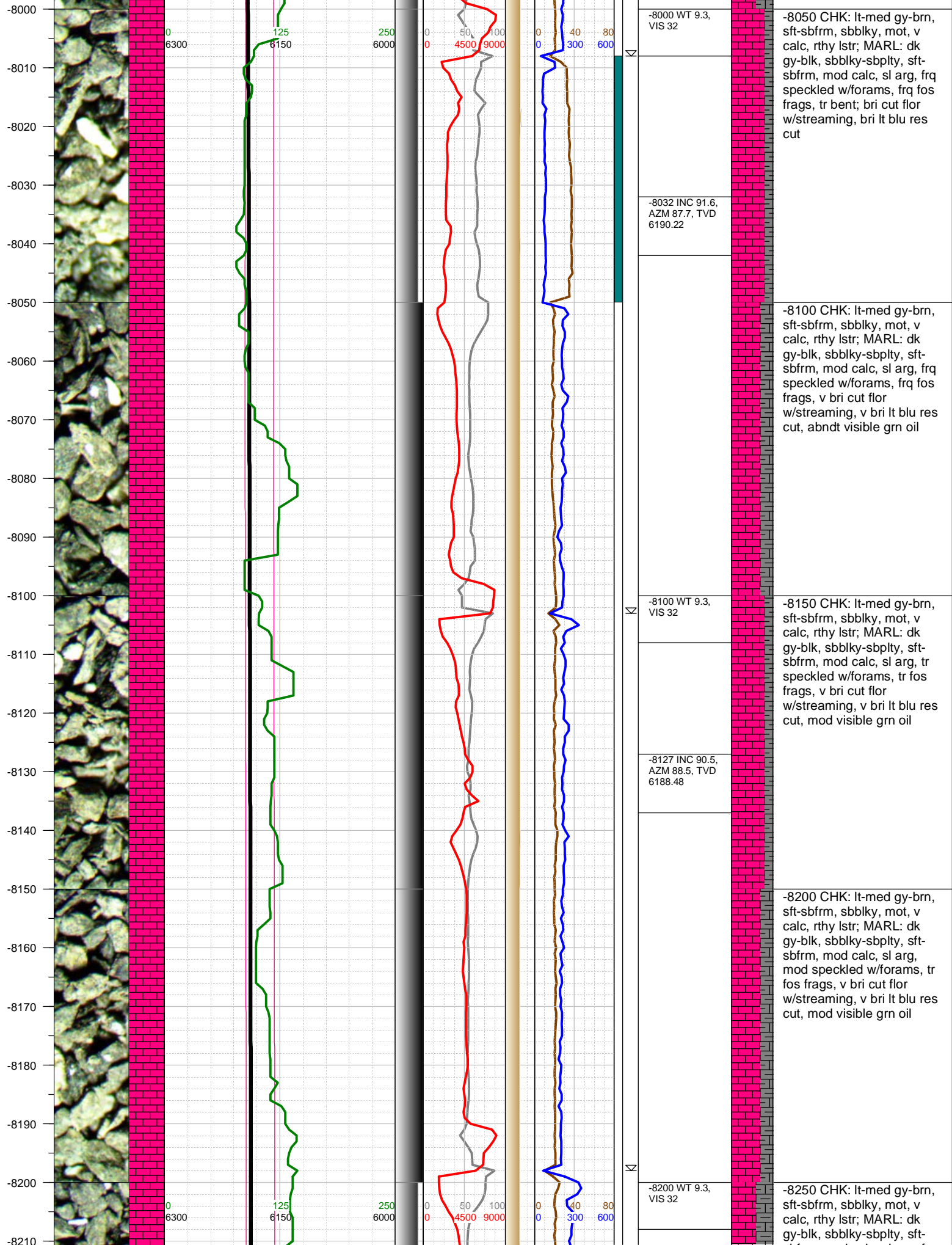


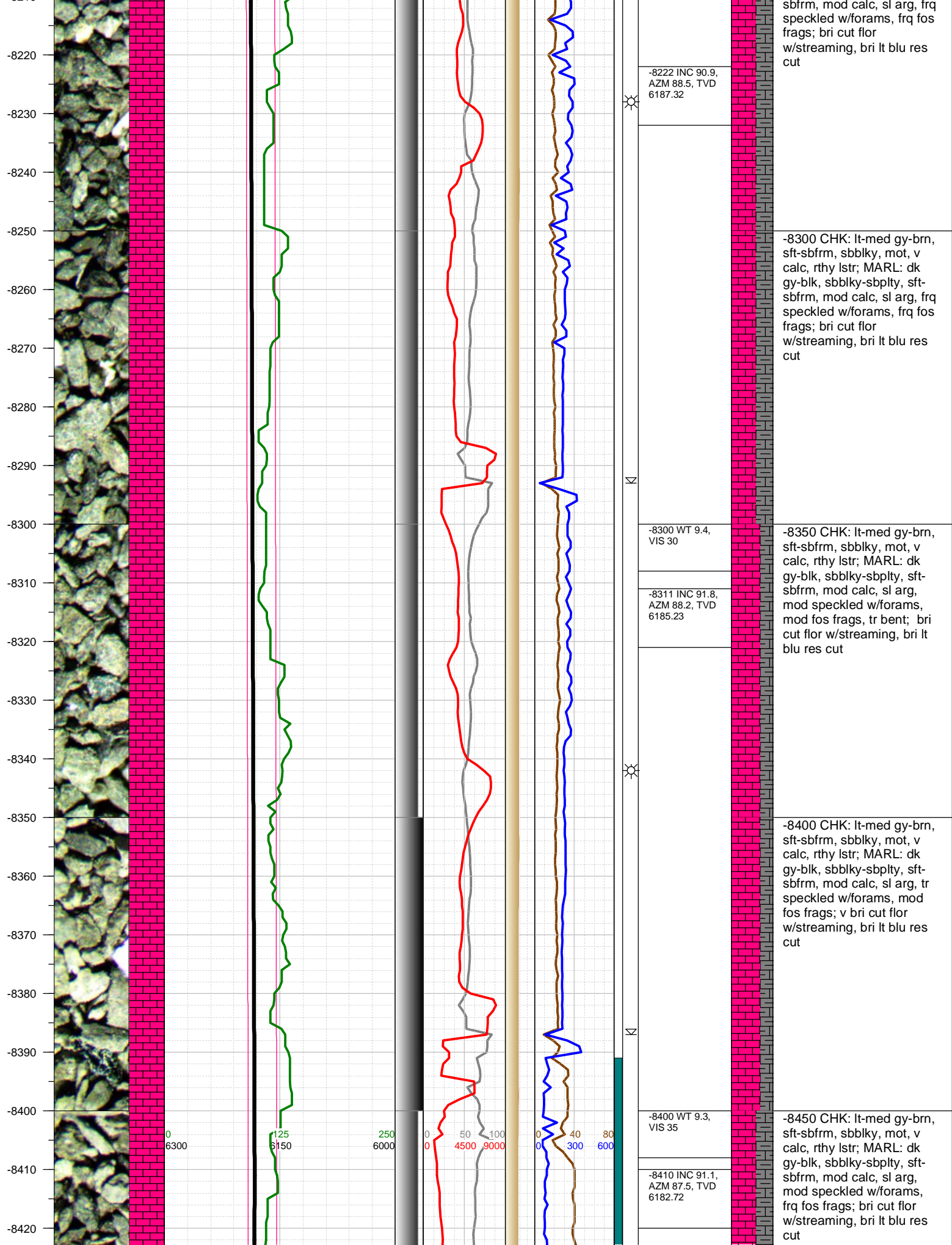


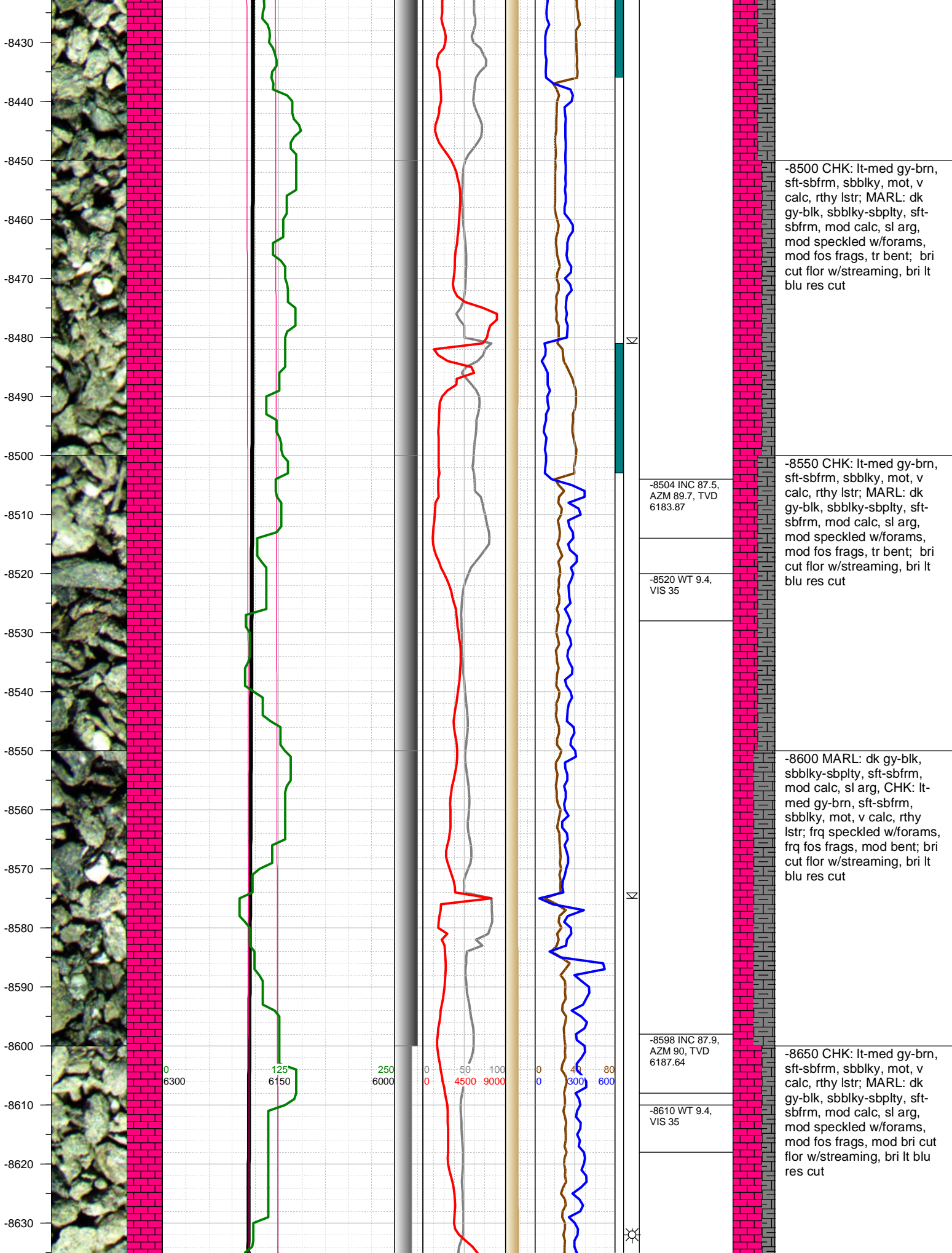


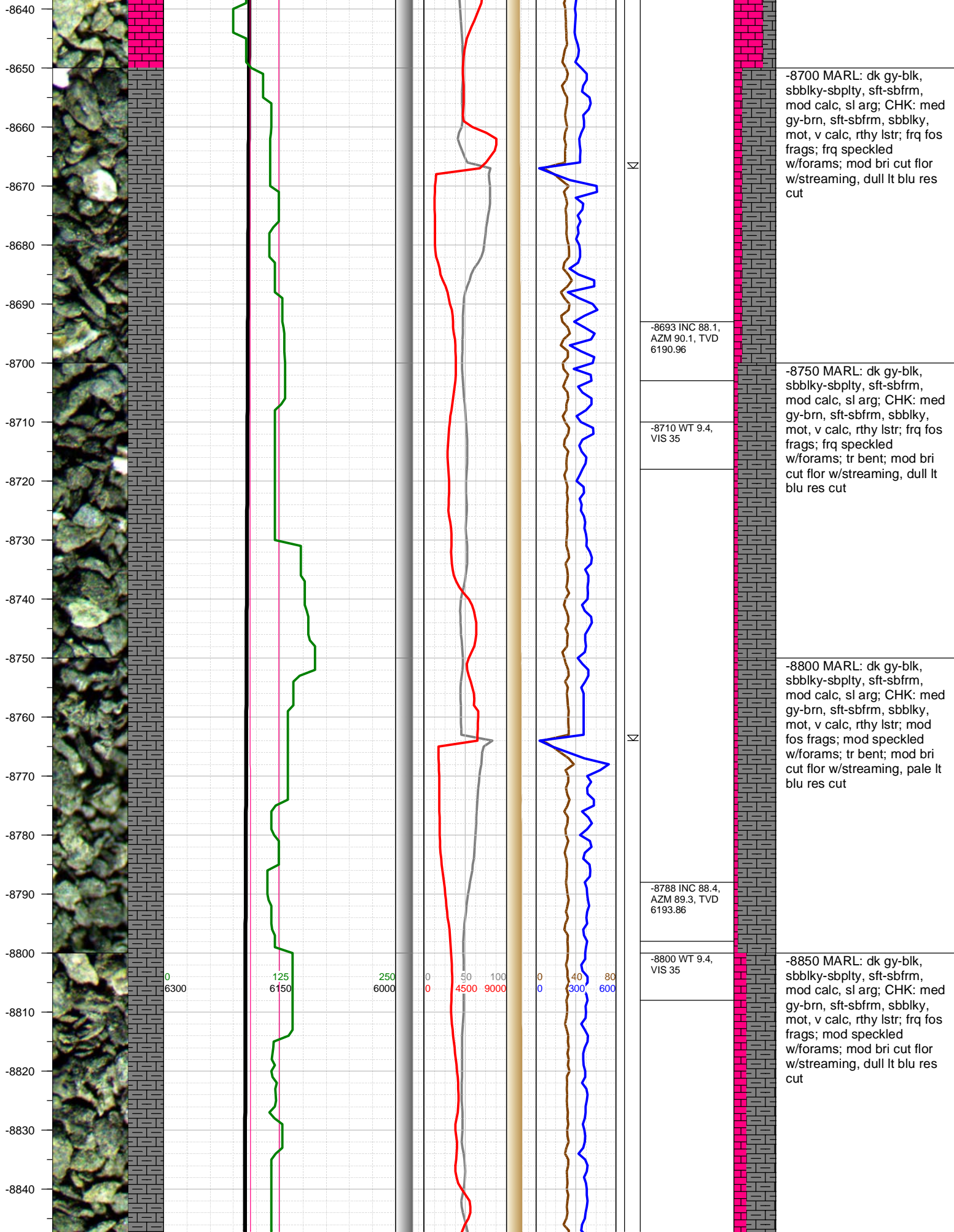


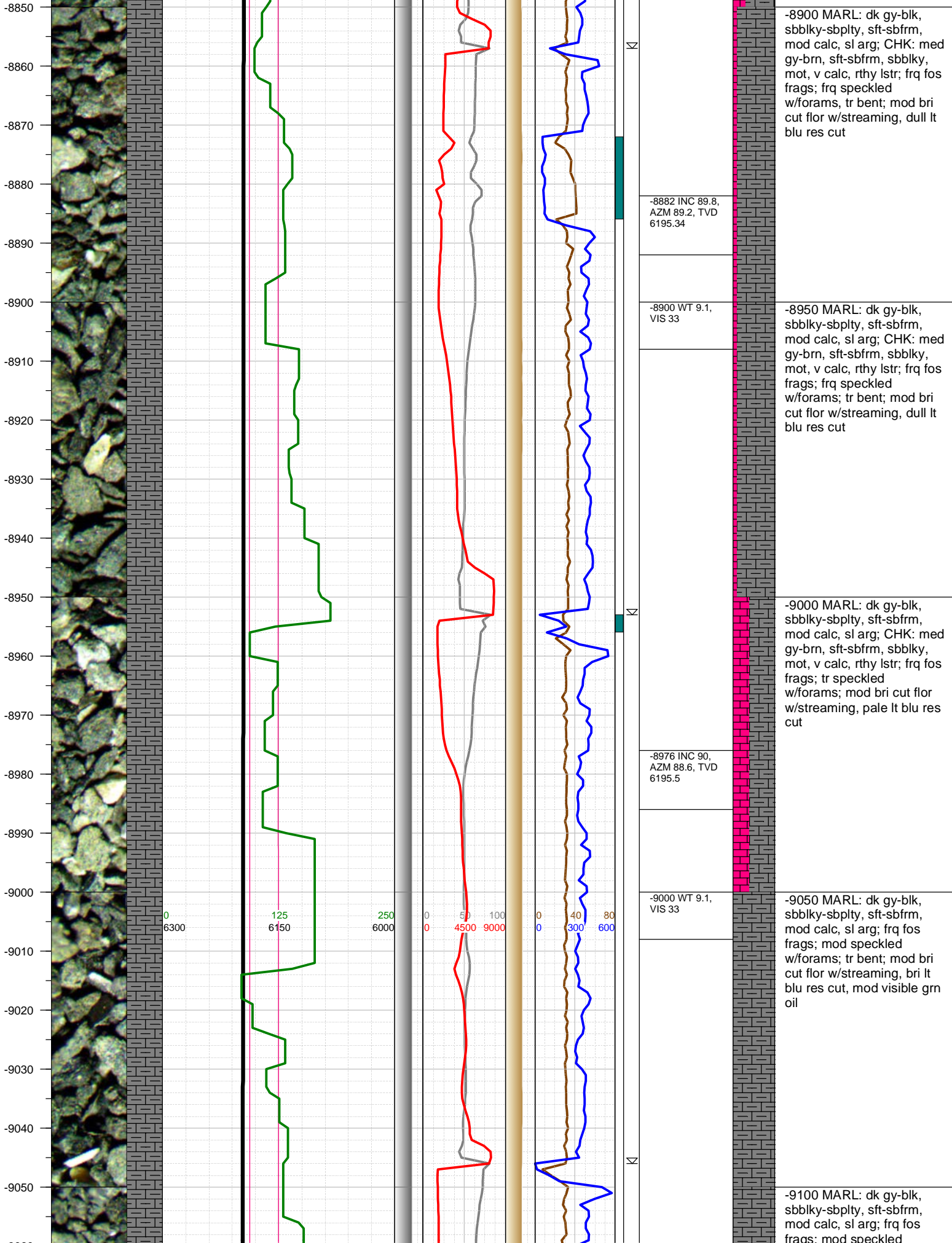


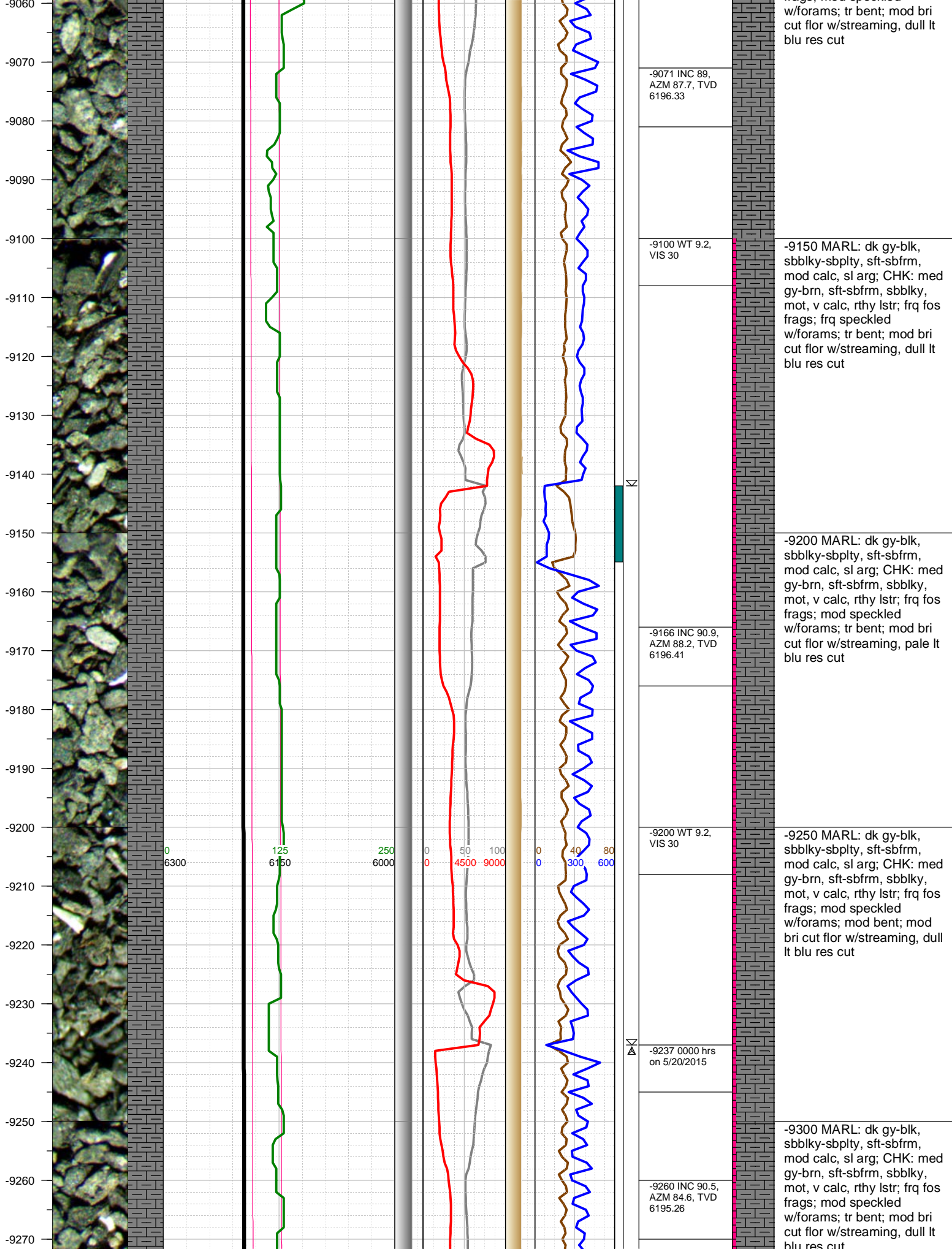


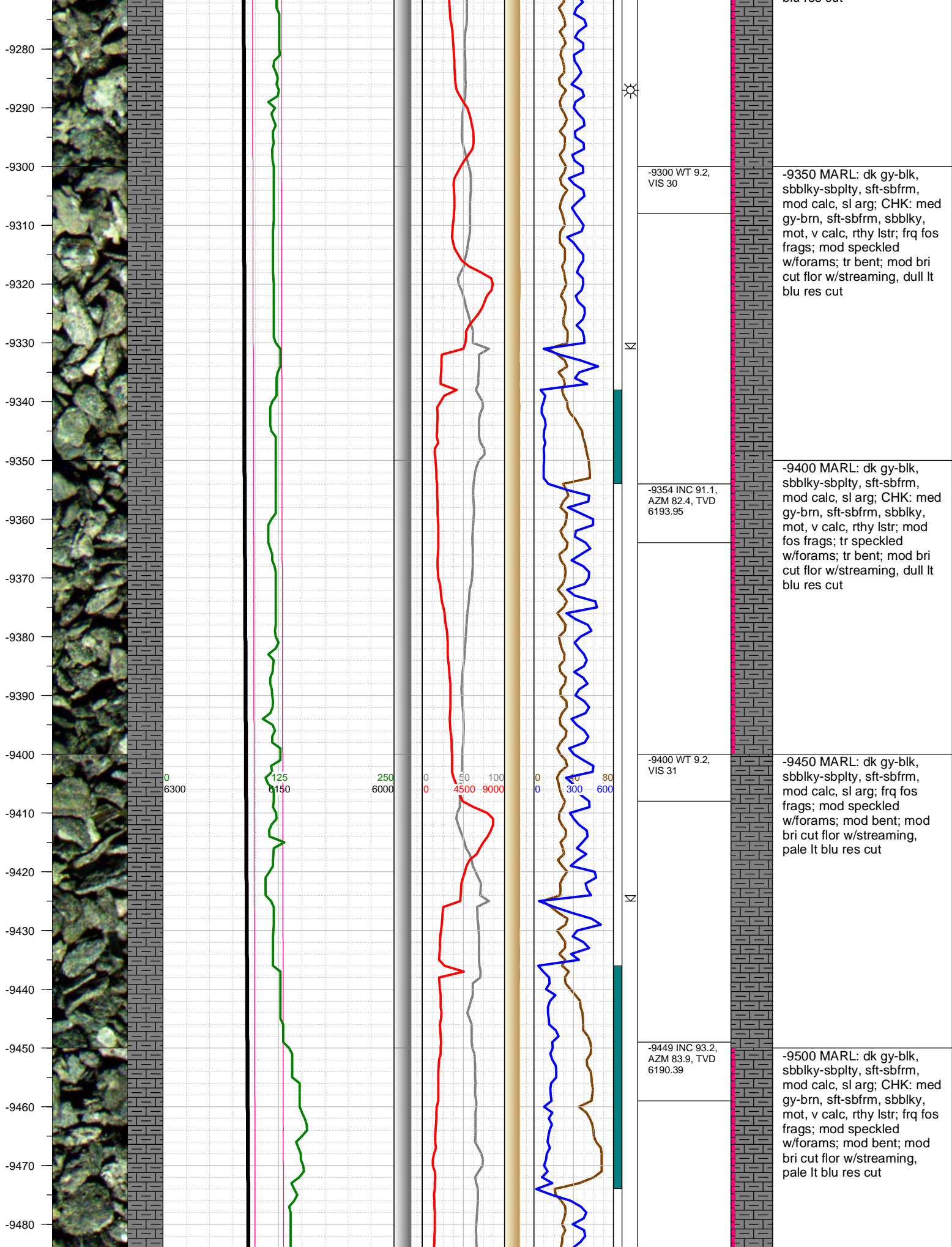


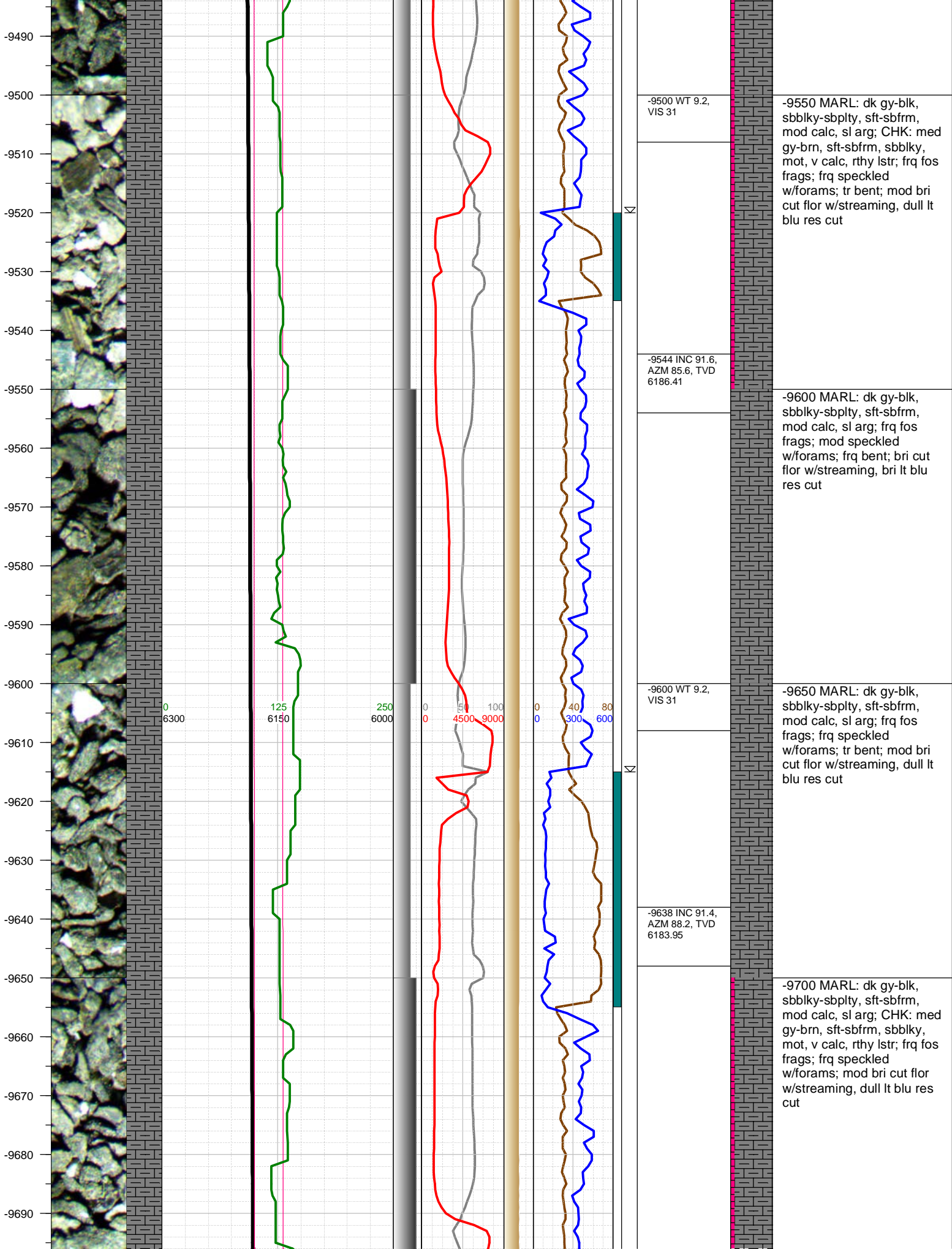


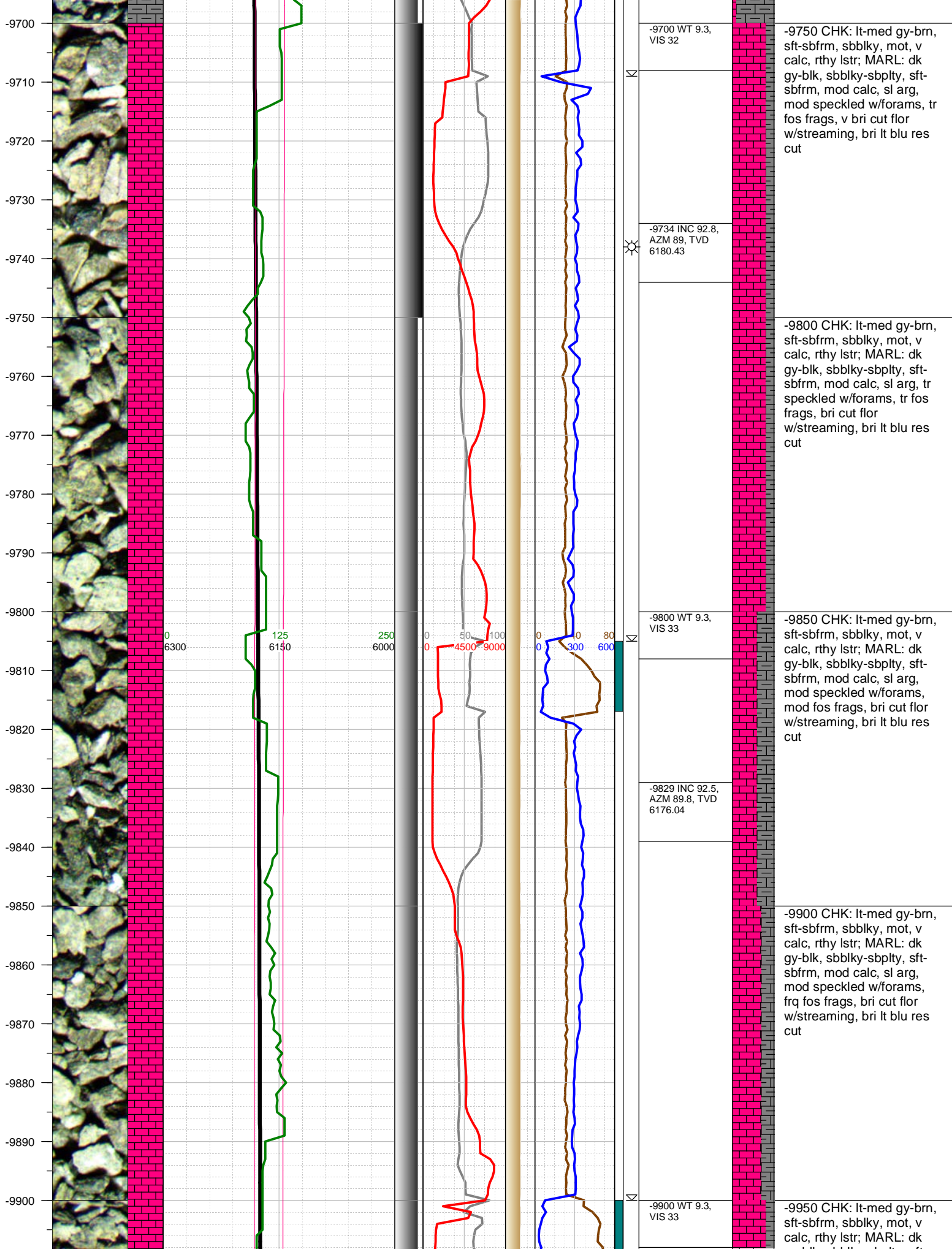


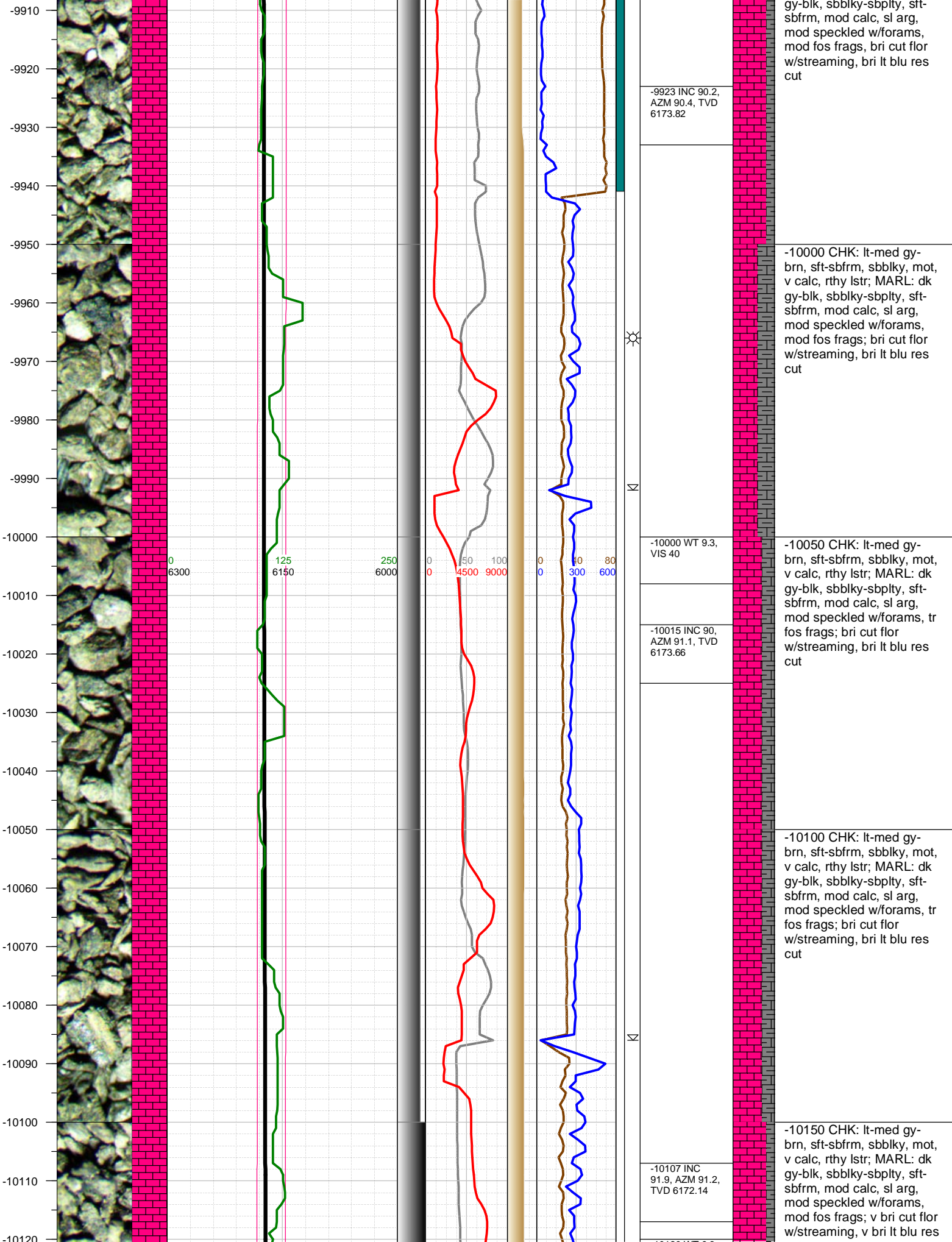


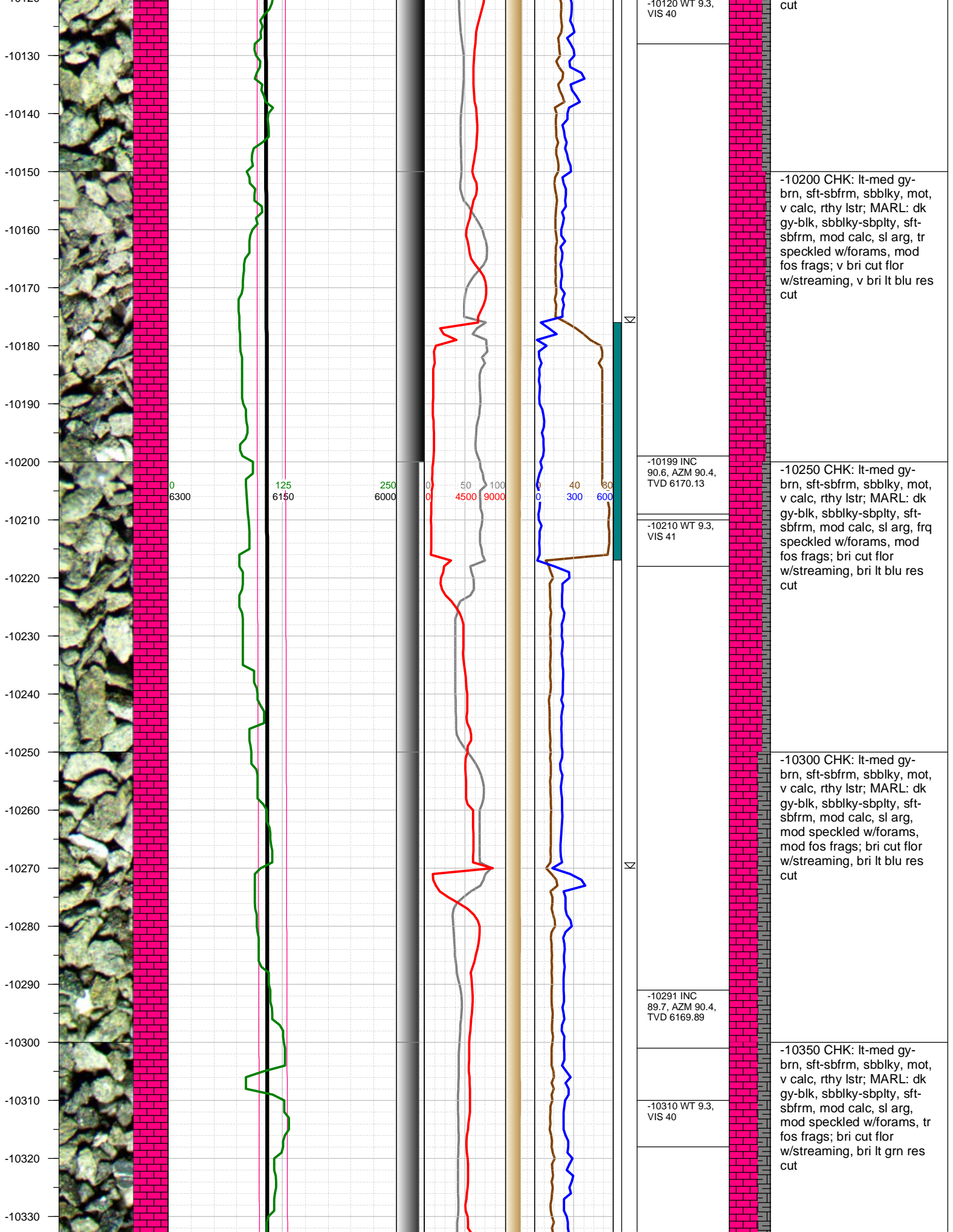










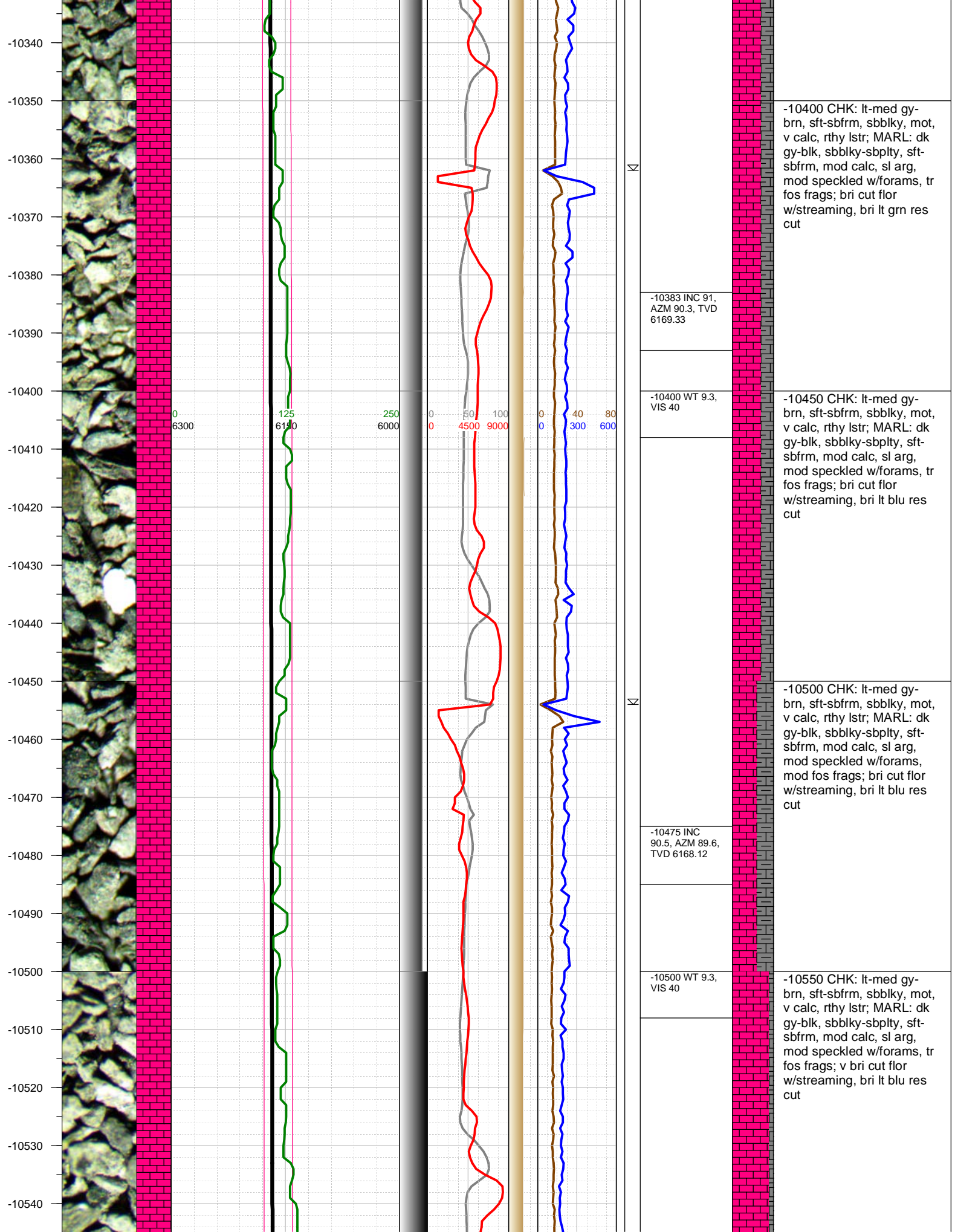


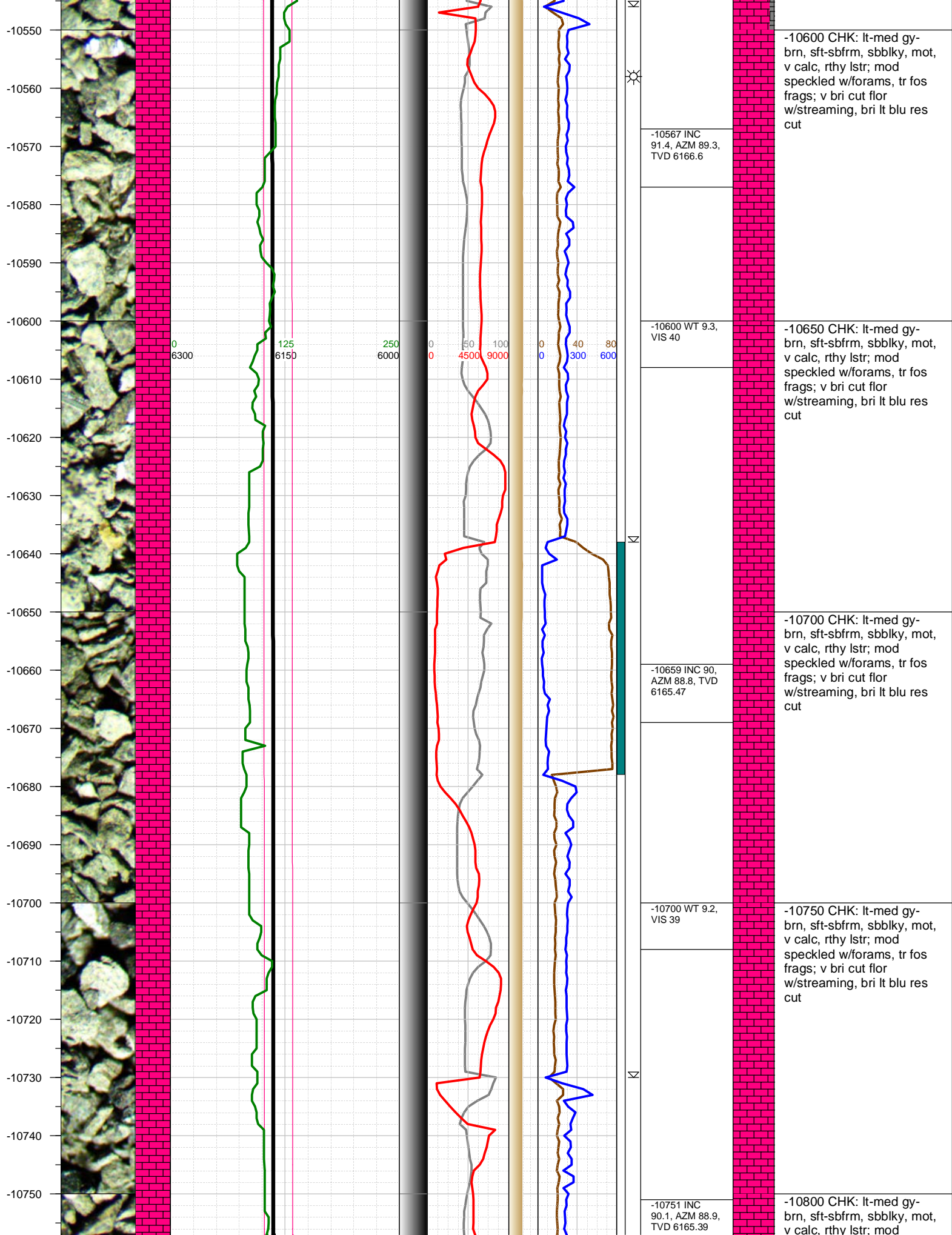
-10200 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, tr speckled w/forams, mod fos frags; v bri cut flor w/streaming, v bri lt blu res cut

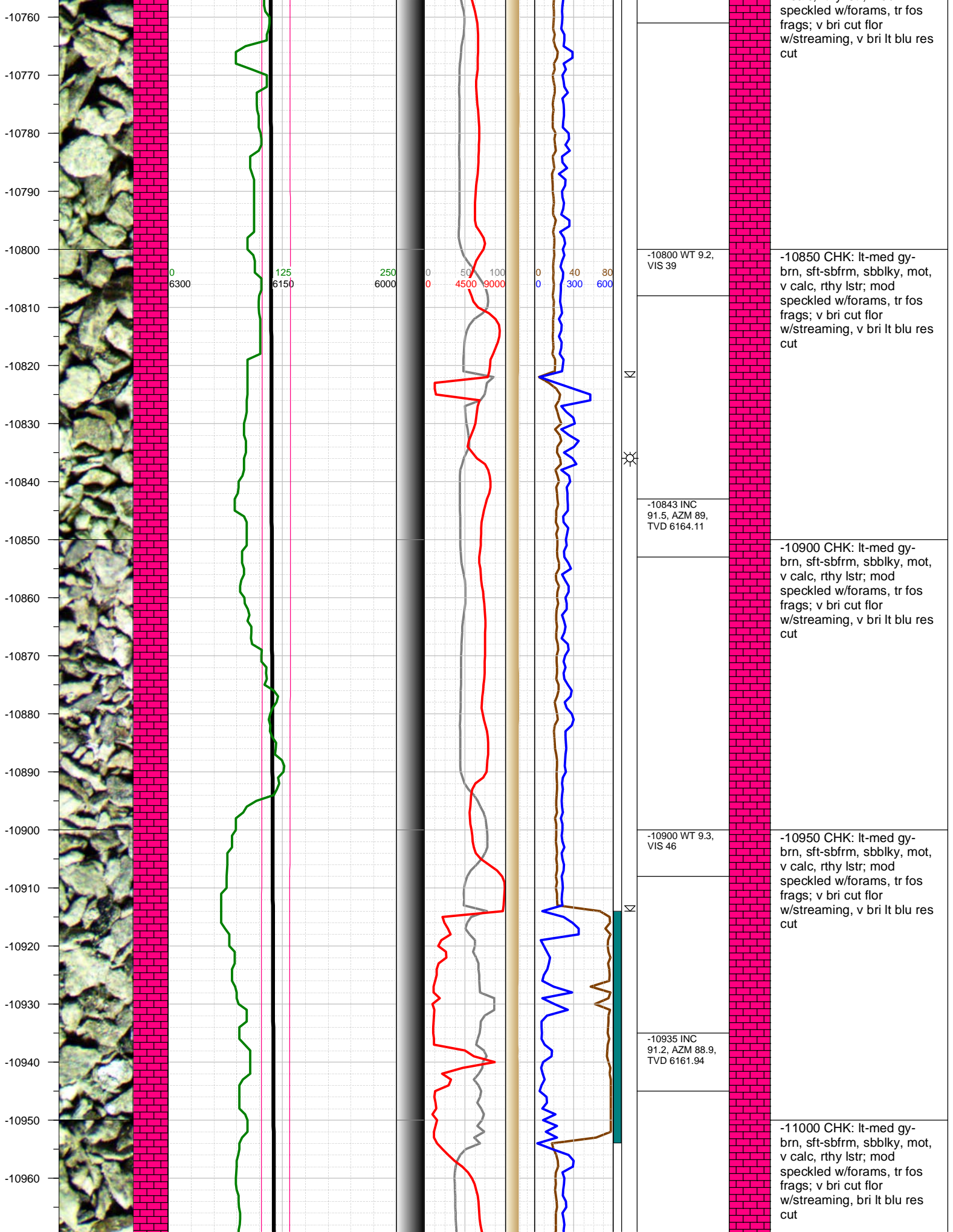
-10250 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, frq speckled w/forams, mod fos frags; bri cut flor w/streaming, bri lt blu res cut

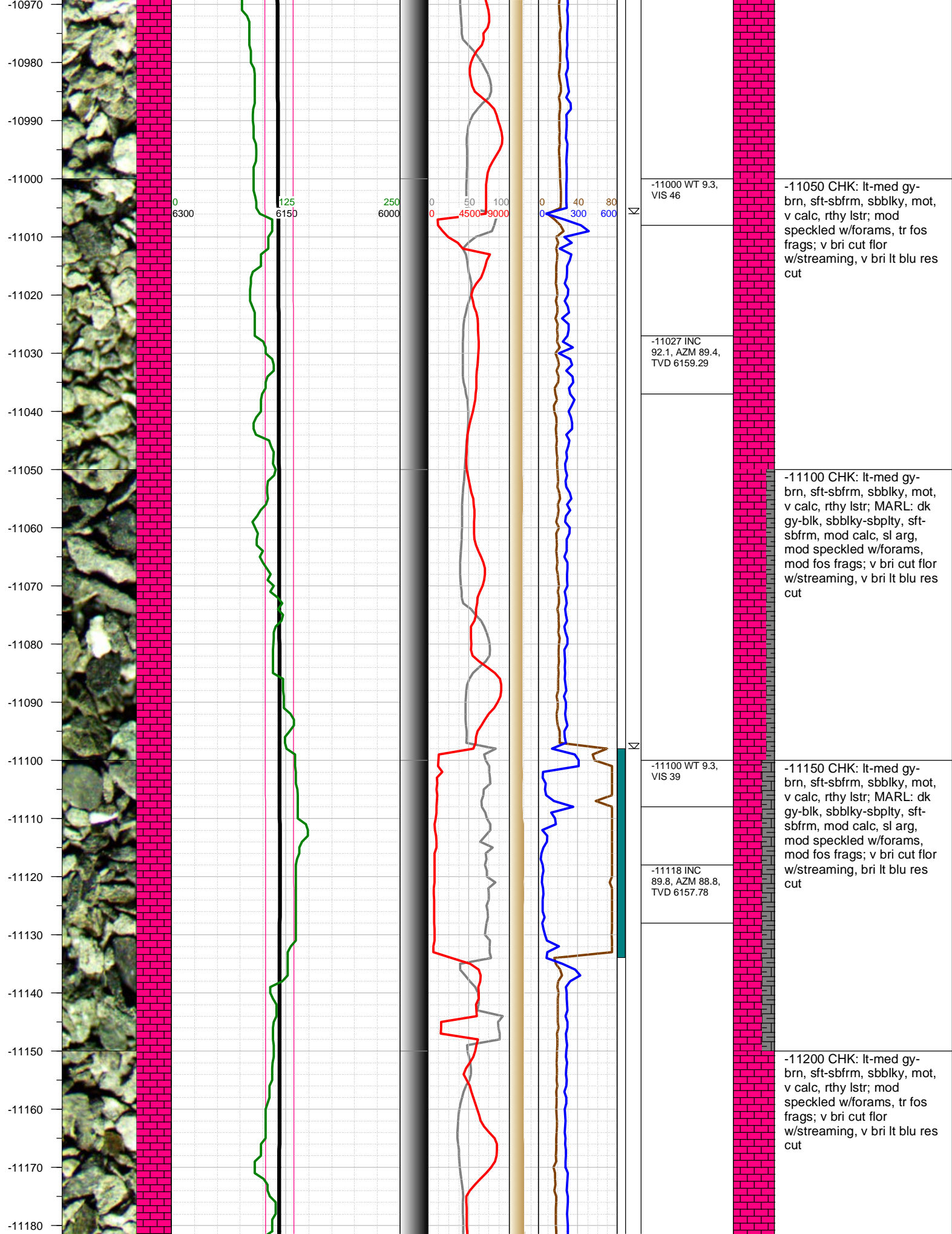
-10300 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, mod speckled w/forams, mod fos frags; bri cut flor w/streaming, bri lt blu res cut

-10350 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 speckled w/forams, tr fos frags; bri cut flor w/streaming, bri lt grn res cut

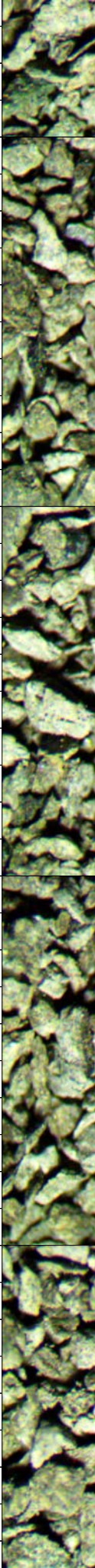








-11190
-11200
-11210
-11220
-11230
-11240
-11250
-11260
-11270
-11280
-11290
-11300
-11310
-11320
-11330
-11340
-11350
-11360
-11370
-11380
-11390



0
6300

125
6150

250
6000

0
0

50
4500

100
9000

0
0

40
300

80
600



-11188 0000 hrs
on 5/21/2015

-11200 WT 9.3,
VIS 39

-11210 INC
88.7, AZM 89.3,
TVD 6158.99



-11301 INC
89.6, AZM 89.4,
TVD 6160.34

-11320 WT 9.3,
VIS 39



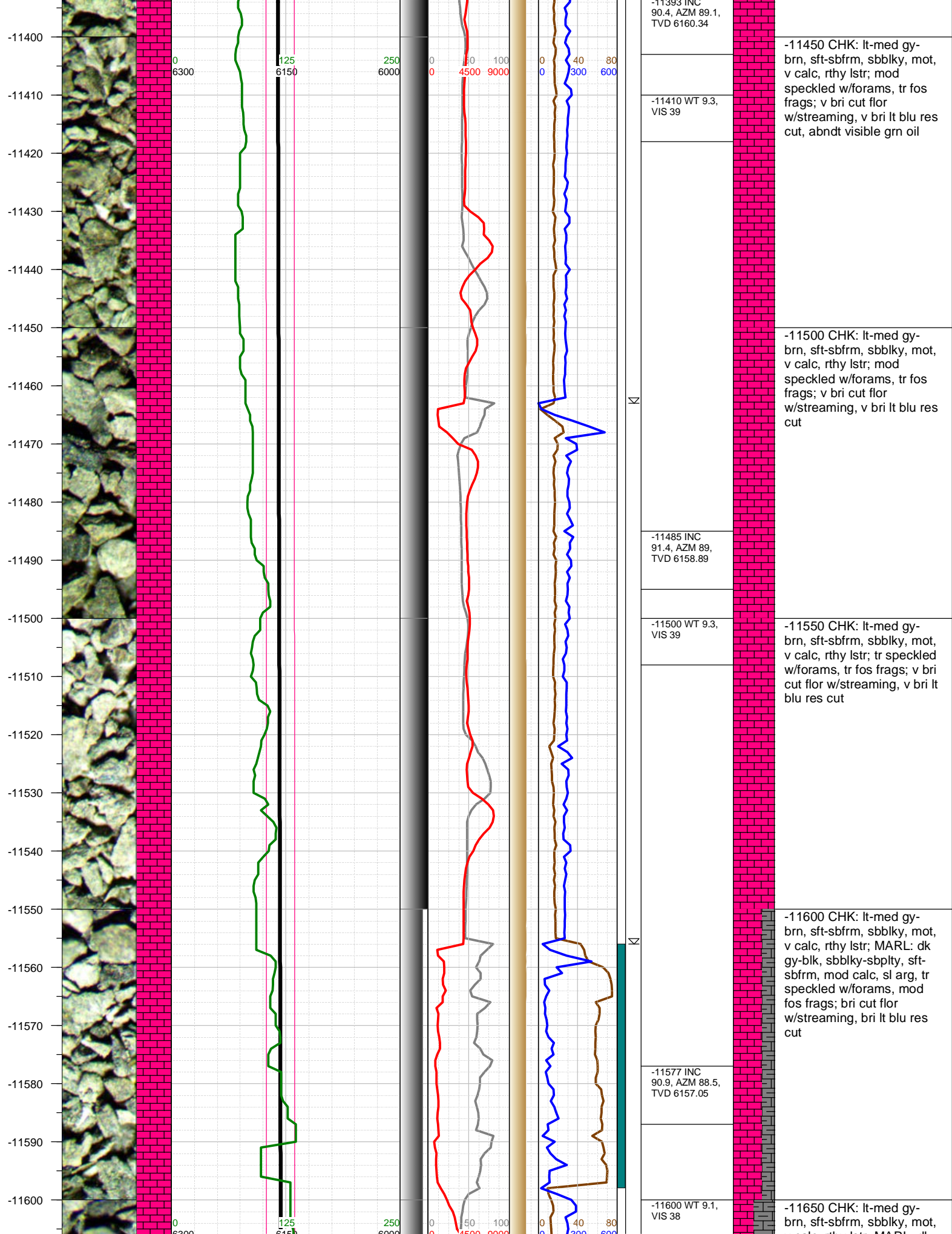
-11390 INC

-11250 CHK: lt-med gy-
brn, sft-sbfrm, sbblky, mot,
v calc, rthy lstr; mod
speckled w/forams, tr fos
frags; v bri cut flr
w/streaming, v bri lt blu res
cut

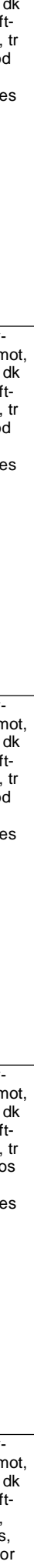
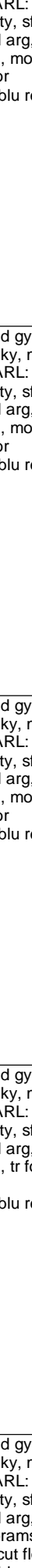
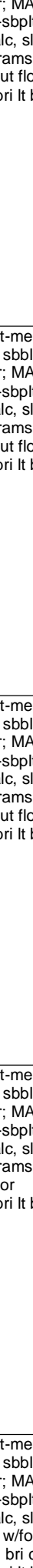
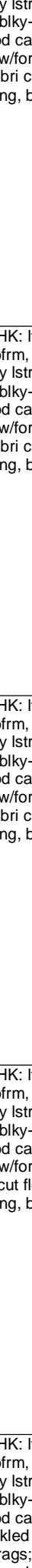
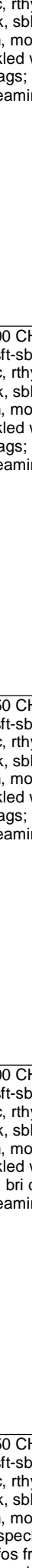
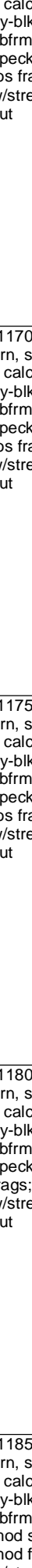
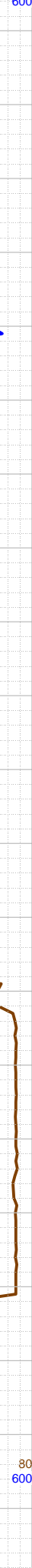
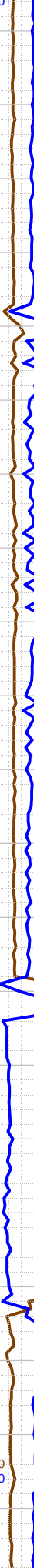
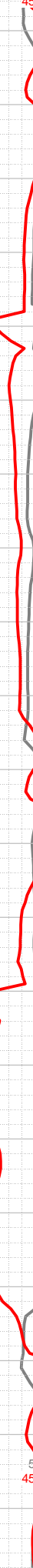
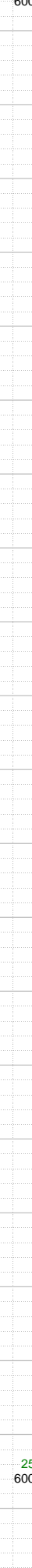
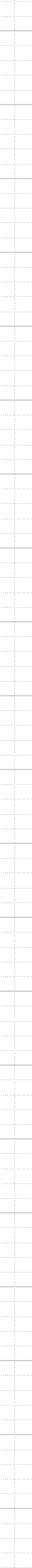
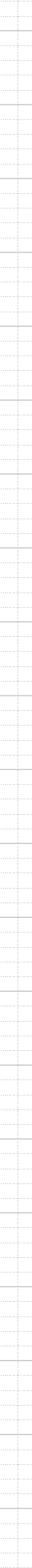
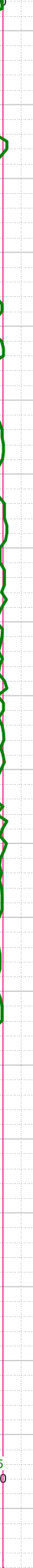
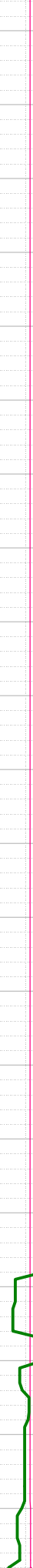
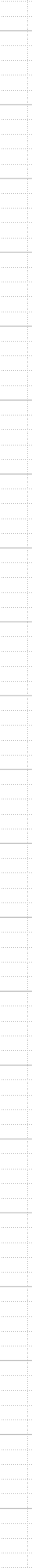
-11300 CHK: lt-med gy-
brn, sft-sbfrm, sbblky, mot,
v calc, rthy lstr; mod
speckled w/forams, tr fos
frags; v bri cut flr
w/streaming, v bri lt blu res
cut

-11350 CHK: lt-med gy-
brn, sft-sbfrm, sbblky, mot,
v calc, rthy lstr; mod
speckled w/forams, tr fos
frags; v bri cut flr
w/streaming, v bri lt blu res
cut, abndt visible grn oil

-11400 CHK: lt-med gy-
brn, sft-sbfrm, sbblky, mot,
v calc, rthy lstr; mod
speckled w/forams, tr fos
frags; v bri cut flr
w/streaming, v bri lt blu res
cut, abndt visible grn oil



-11610
-11620
-11630
-11640
-11650
-11660
-11670
-11680
-11690
-11700
-11710
-11720
-11730
-11740
-11750
-11760
-11770
-11780
-11790
-11800
-11810



Σ

Σ

-11668 INC
90.4, AZM 88.7,
TVD 6156.01

-11700 WT 9.1,
VIS 37

-11760 INC
88.4, AZM 89.5,
TVD 6156.98

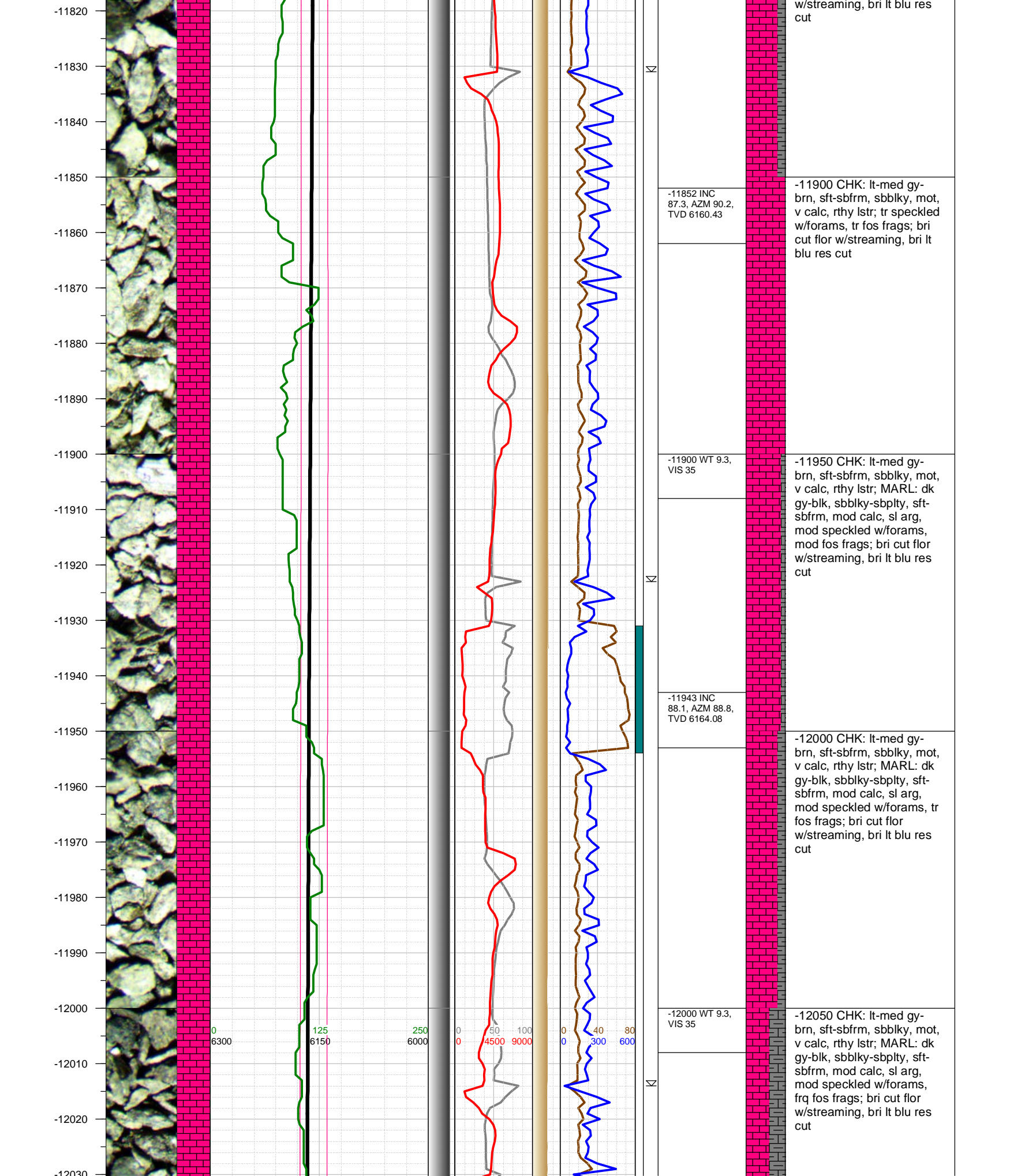
-11800 WT 9.1,
VIS 37

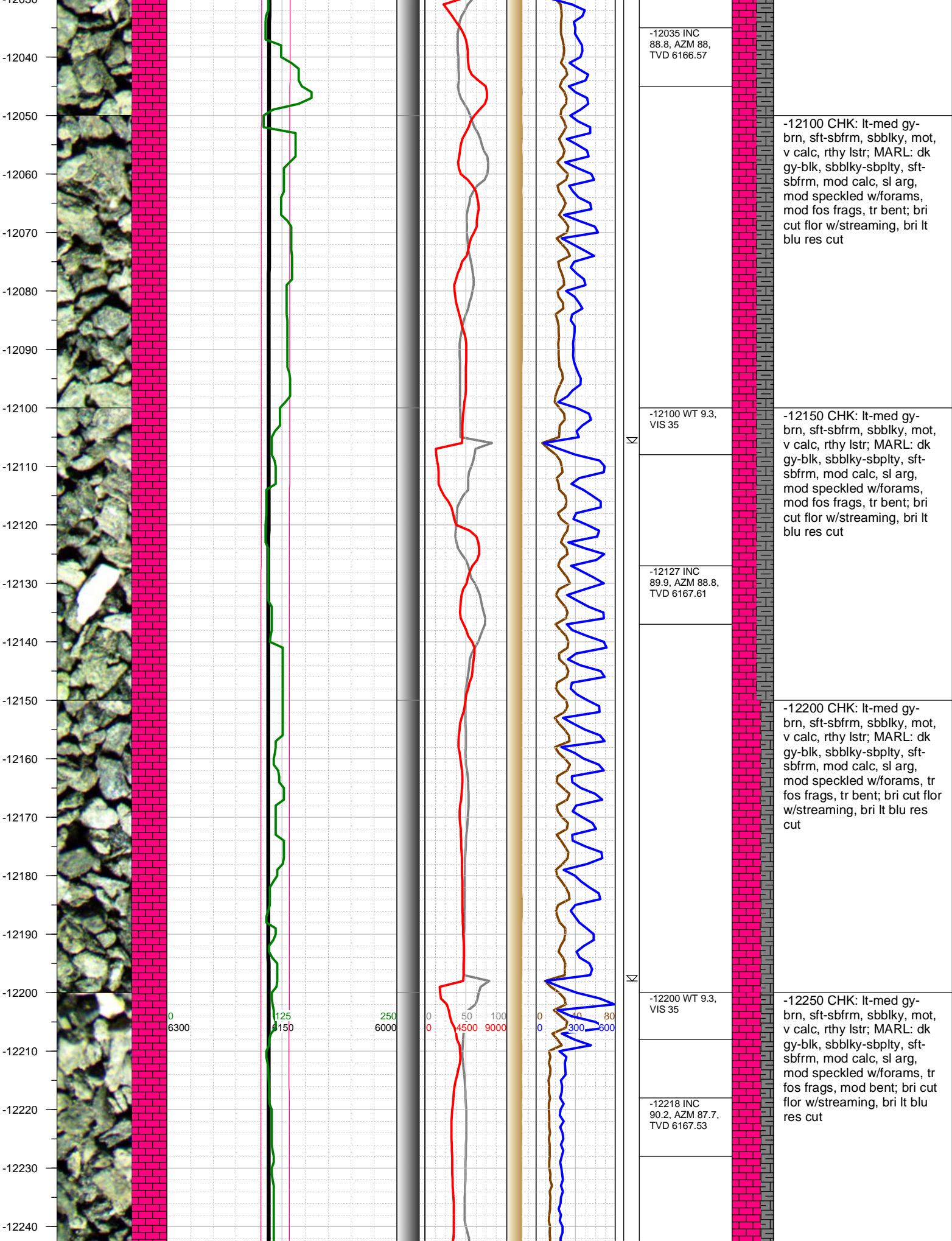
-11700 CHK: lt-med gy-
brn, sft-sbfrm, sbblky, mot,
v calc, rthy lstr; MARL: dk
gy-blk, sbblky-sbplty, sft-
sbfrm, mod calc, sl arg, tr
speckled w/forams, mod
fos frags; bri cut flor
w/streaming, bri lt blu res
cut

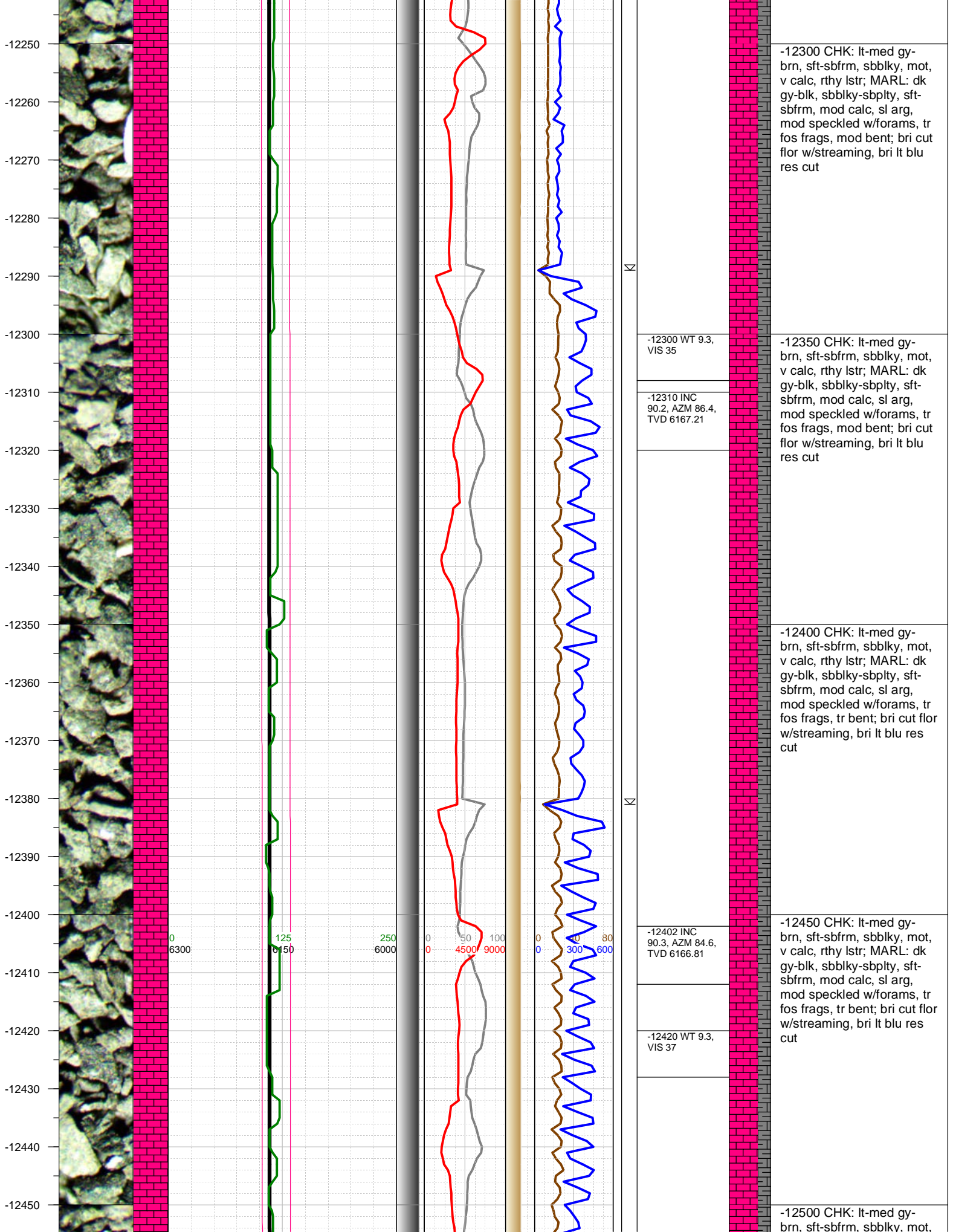
-11750 CHK: lt-med gy-
brn, sft-sbfrm, sbblky, mot,
v calc, rthy lstr; MARL: dk
gy-blk, sbblky-sbplty, sft-
sbfrm, mod calc, sl arg, tr
speckled w/forams, mod
fos frags; bri cut flor
w/streaming, bri lt blu res
cut

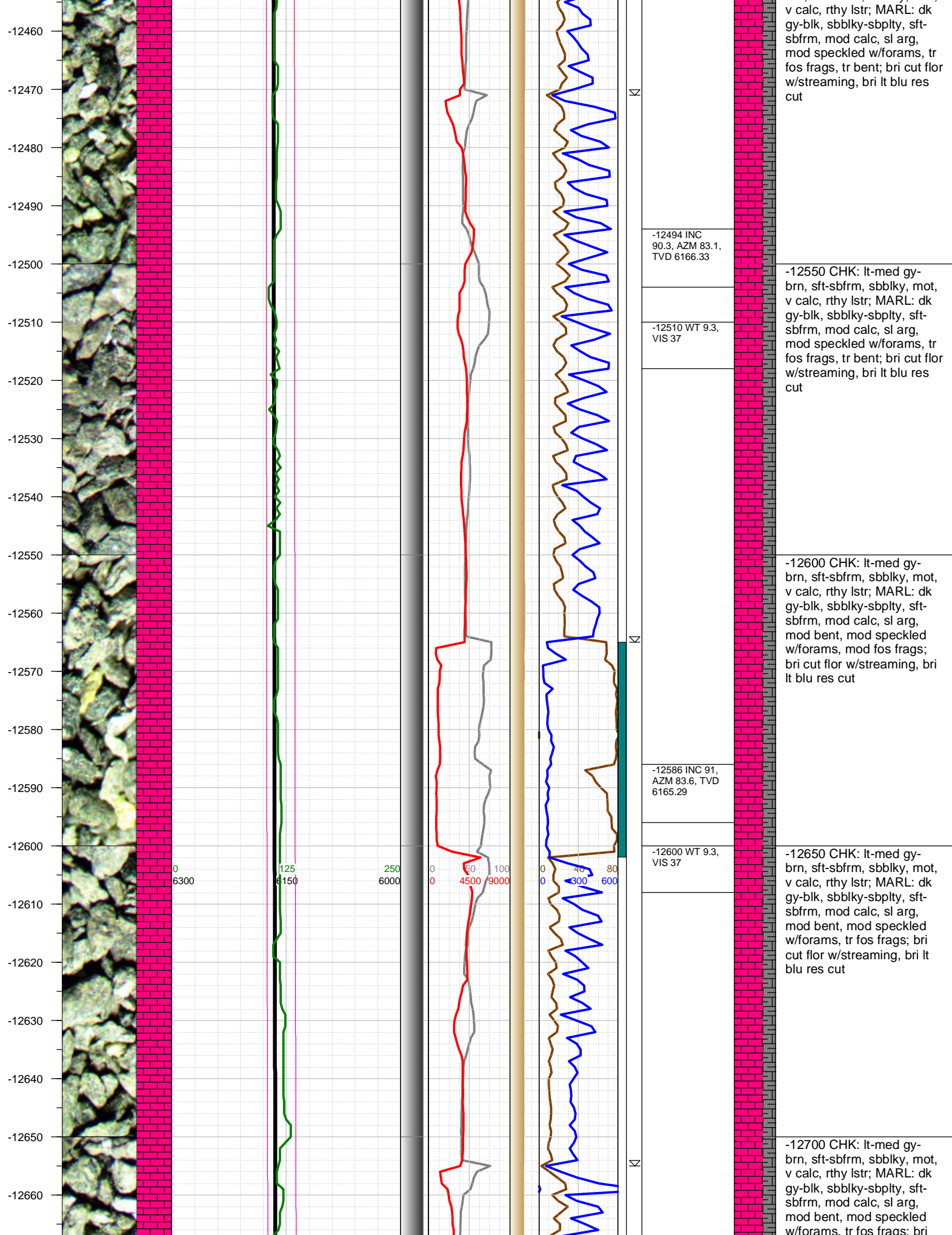
-11800 CHK: lt-med gy-
brn, sft-sbfrm, sbblky, mot,
v calc, rthy lstr; MARL: dk
gy-blk, sbblky-sbplty, sft-
sbfrm, mod calc, sl arg, tr
speckled w/forams, tr fos
frags; bri cut flor
w/streaming, bri lt blu res
cut

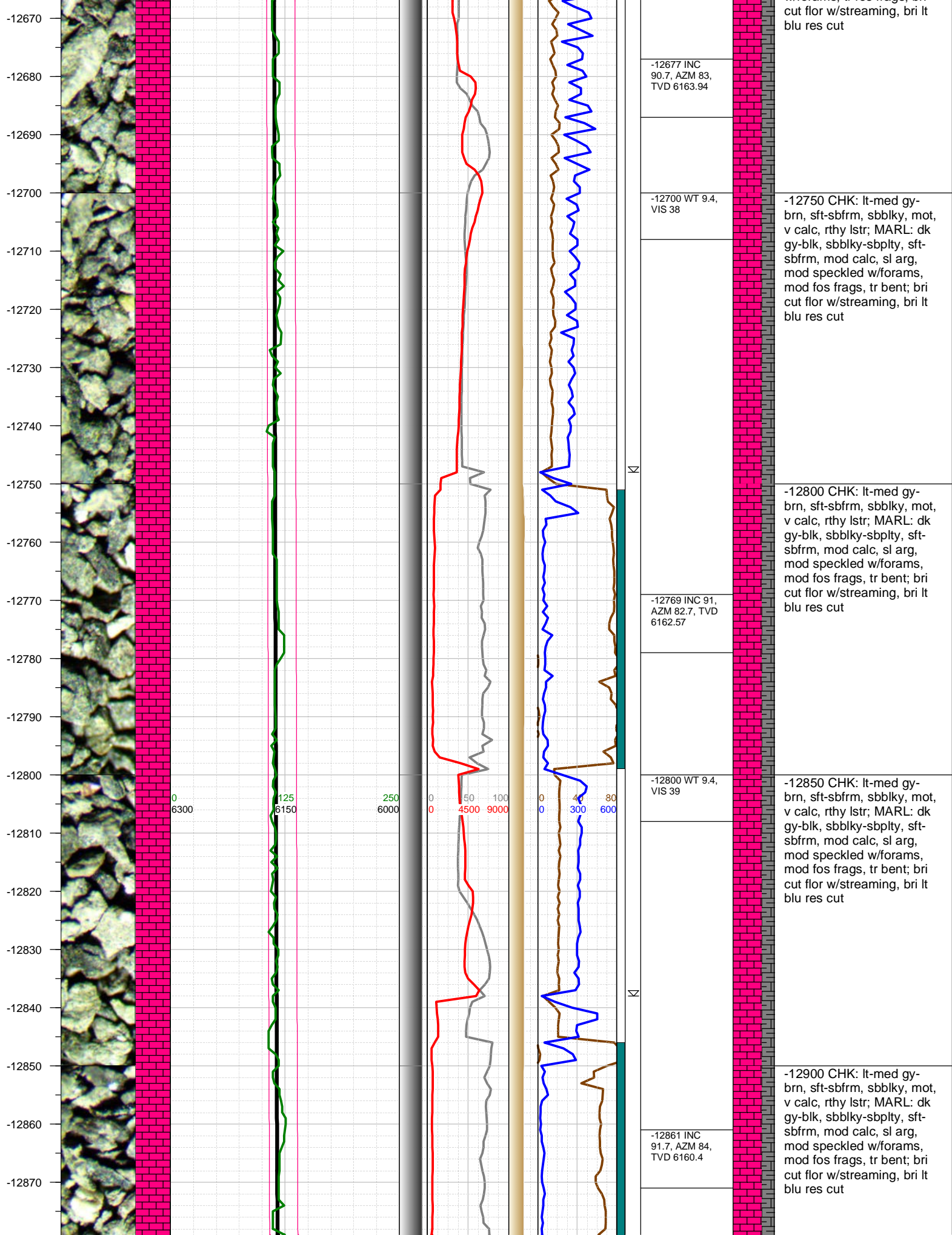
-11850 CHK: lt-med gy-
brn, sft-sbfrm, sbblky, mot,
v calc, rthy lstr; MARL: dk
gy-blk, sbblky-sbplty, sft-
sbfrm, mod calc, sl arg,
mod speckled w/forams,
mod fos frags; bri cut flor

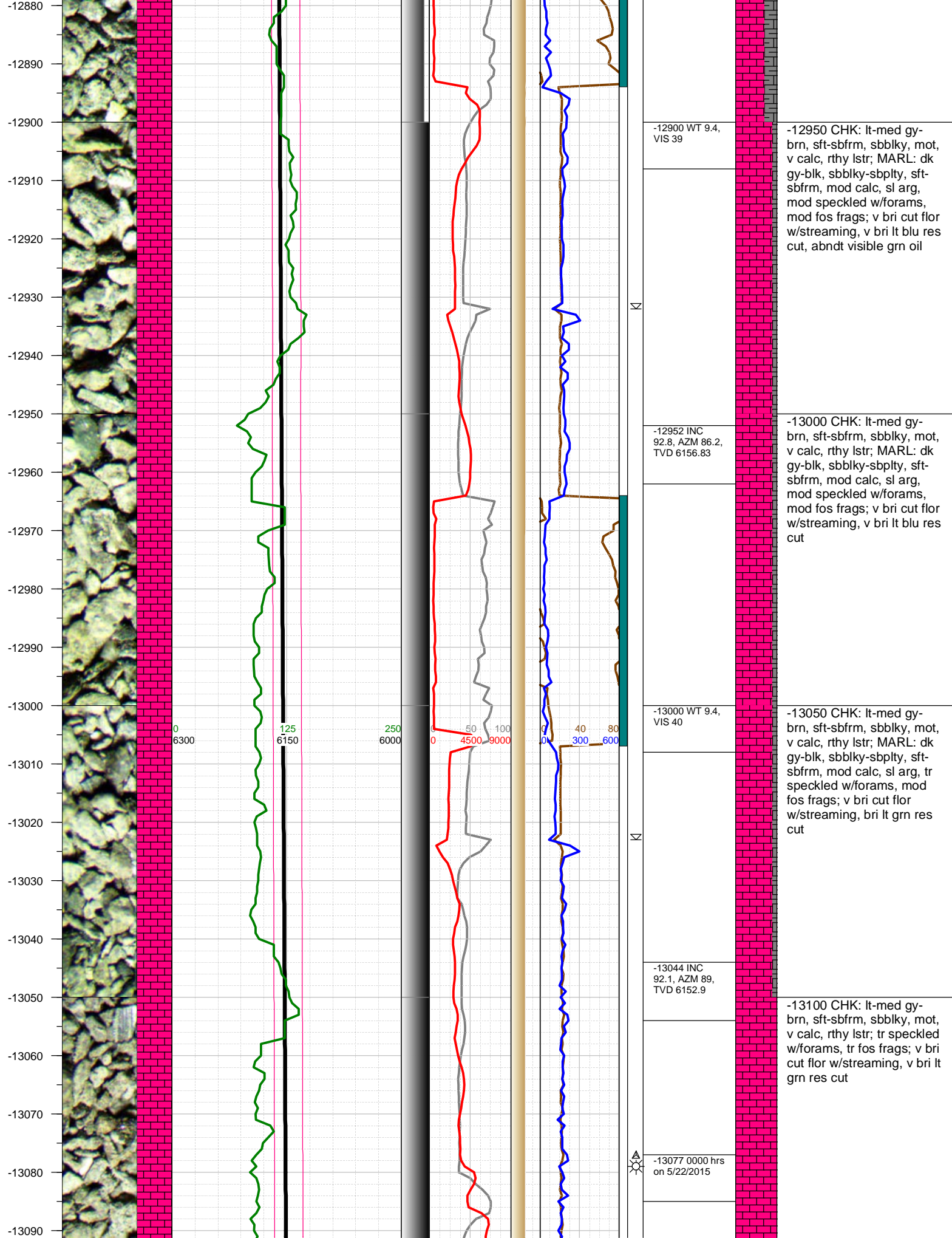


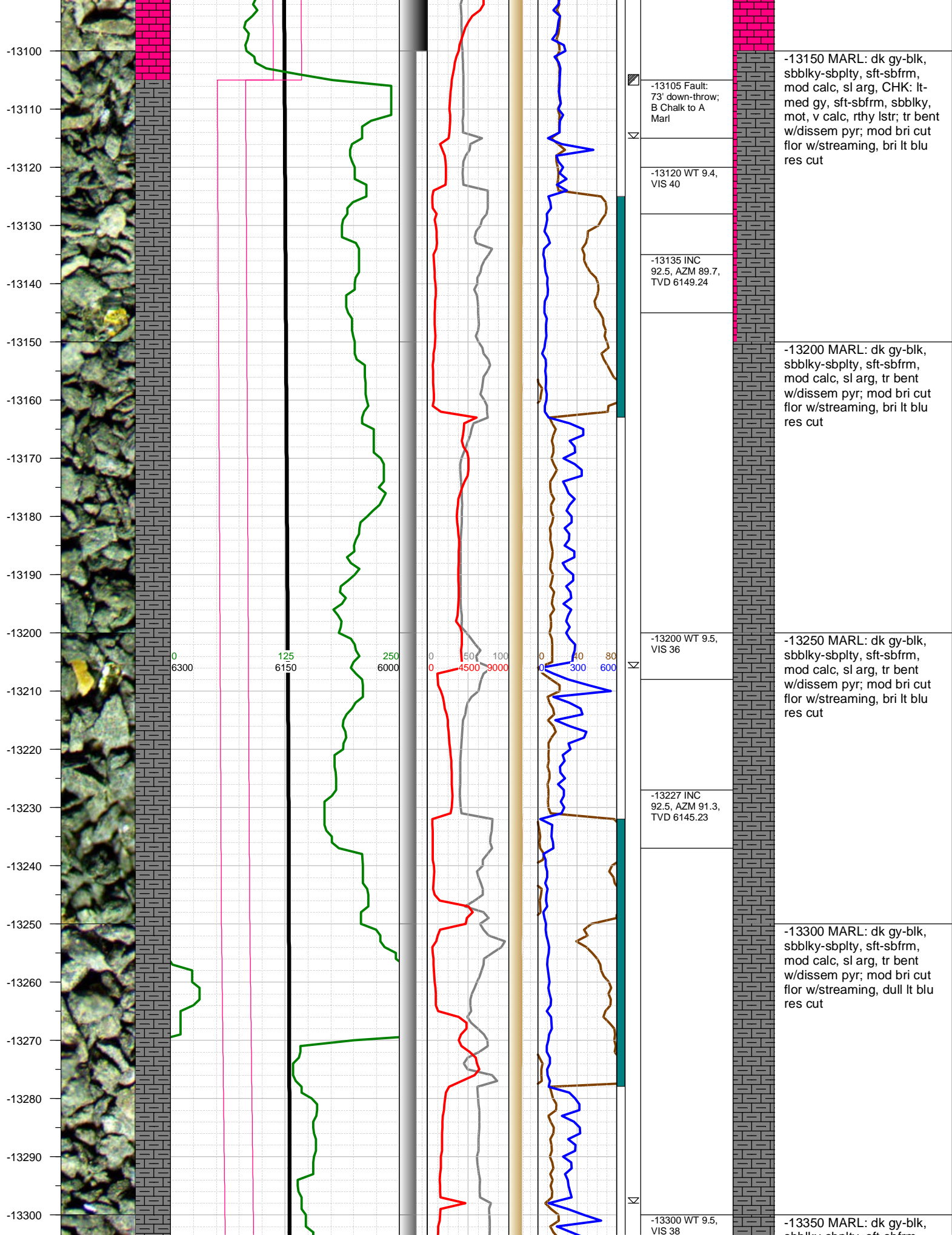


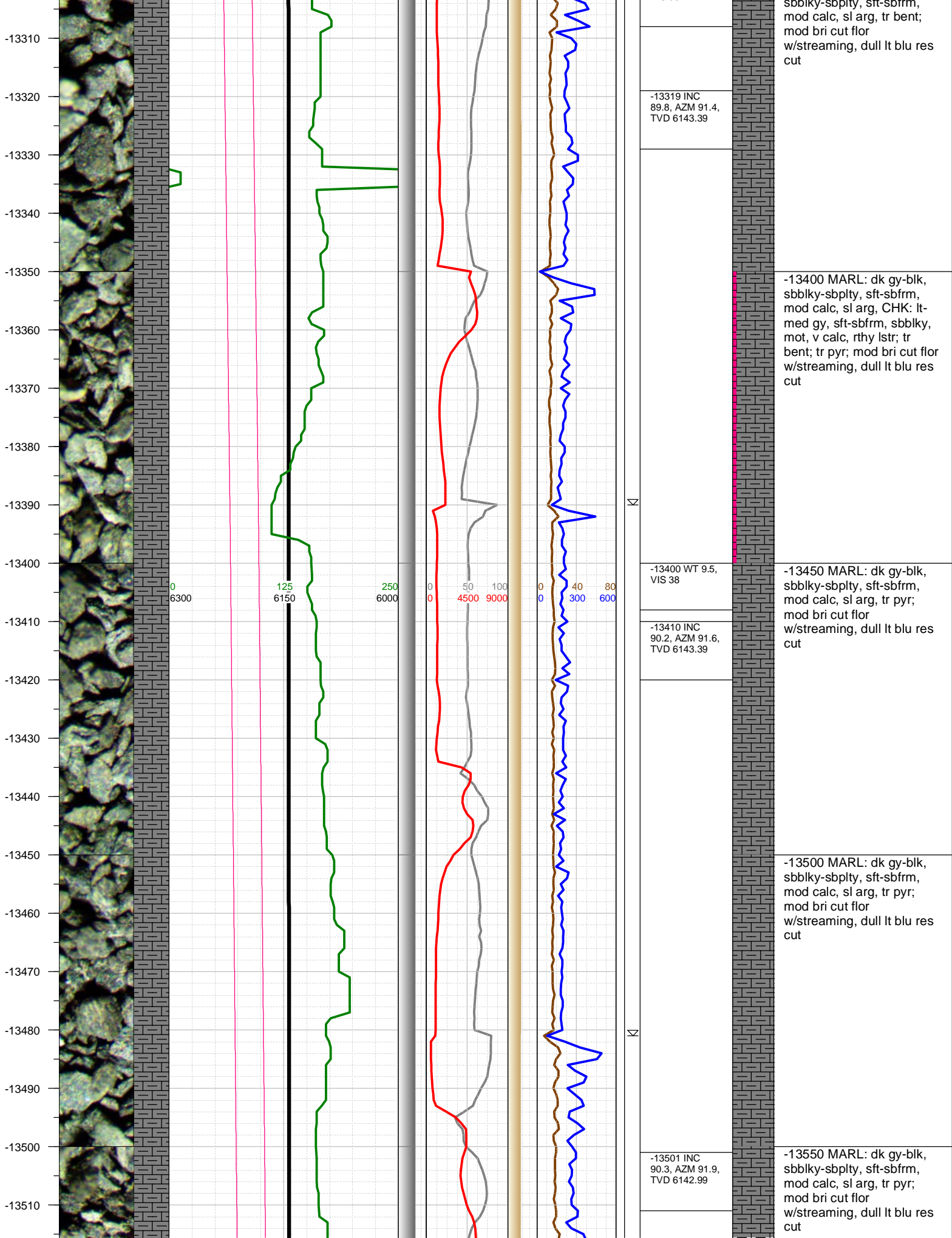


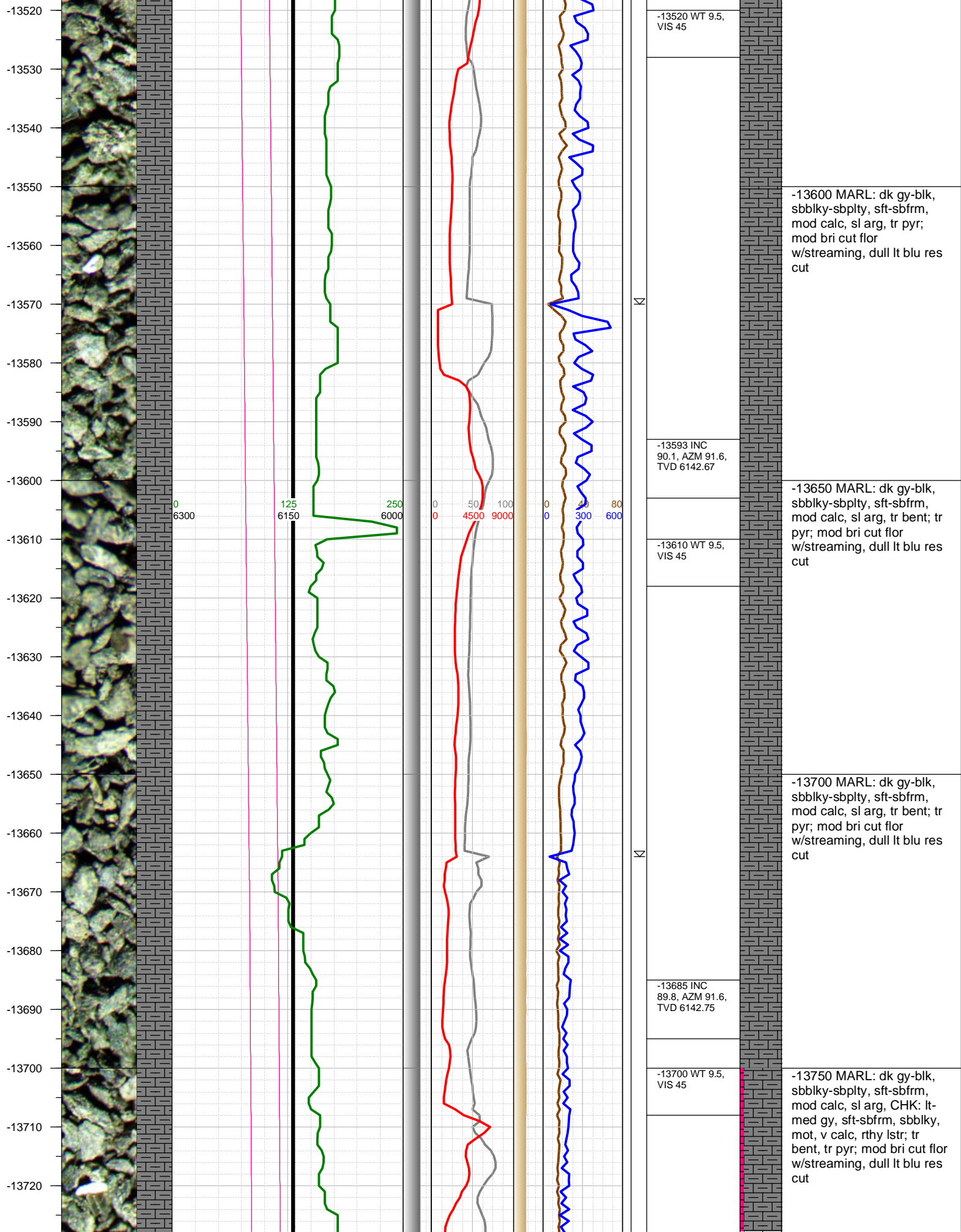


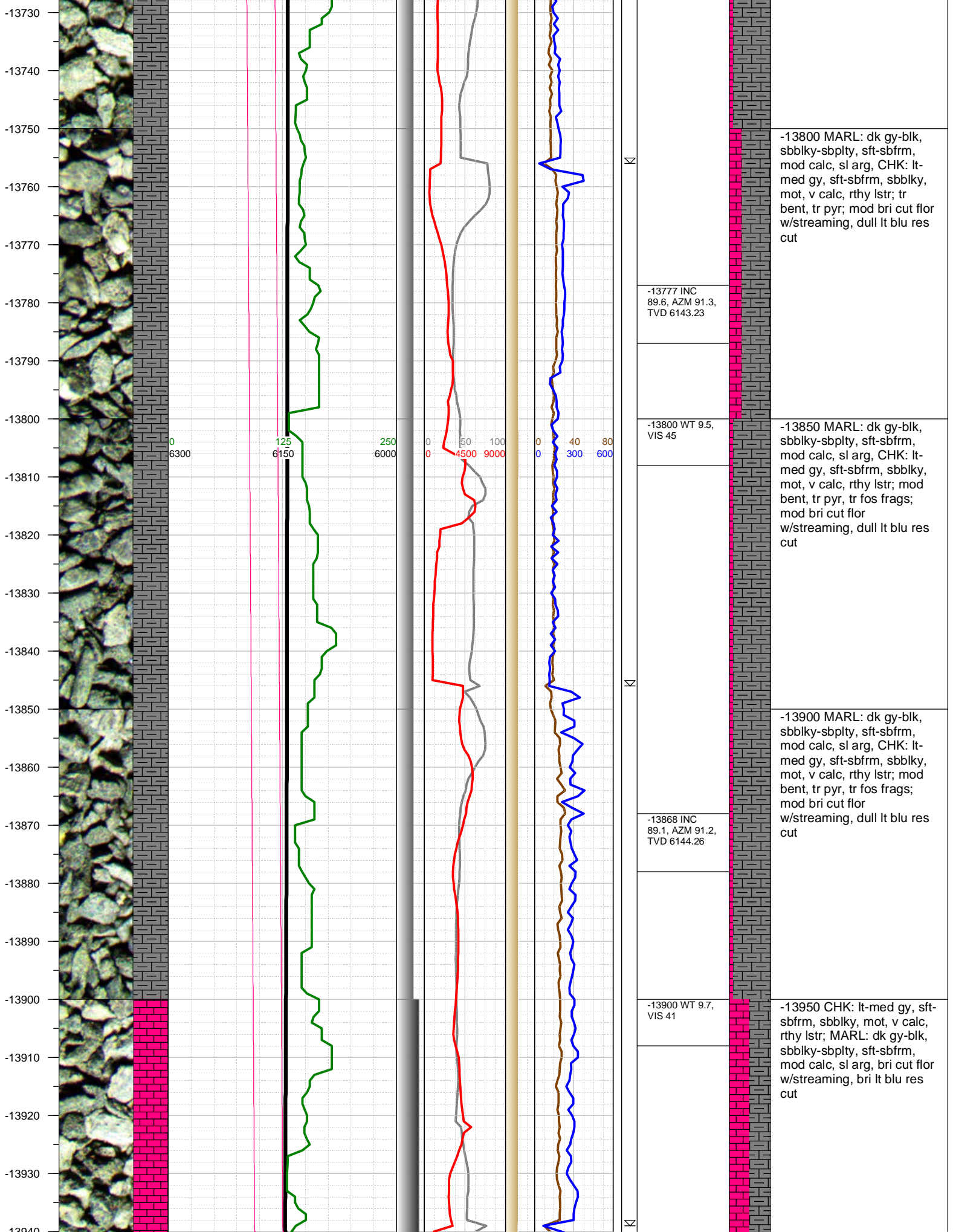












-13800 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; tr bent, tr pyr; mod bri cut flor w/streaming, dull lt blu res cut

-13777 INC
89.6, AZM 91.3,
TVD 6143.23

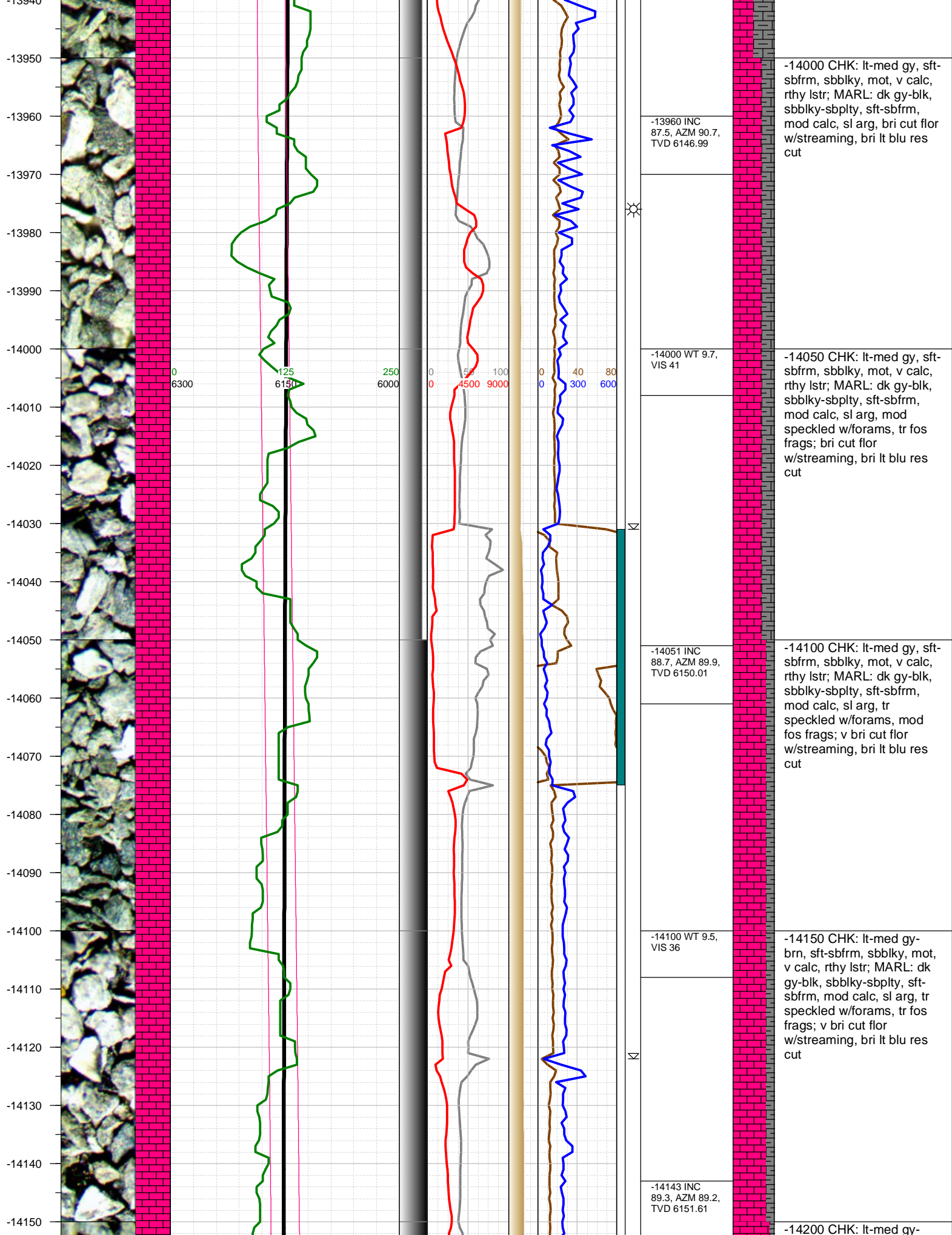
-13800 WT 9.5,
VIS 45

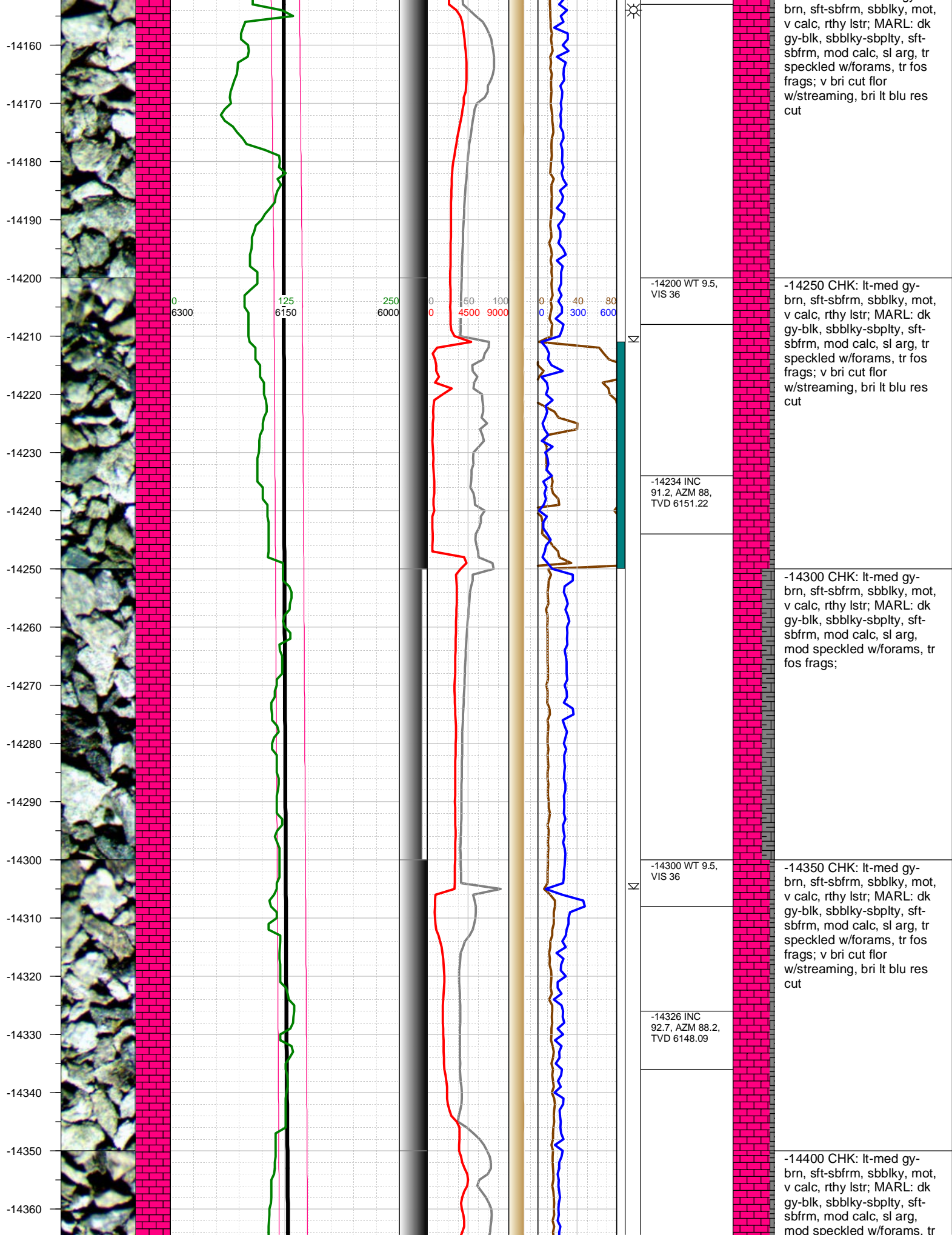
-13850 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; mod bent, tr pyr, tr fos frags; mod bri cut flor w/streaming, dull lt blu res cut

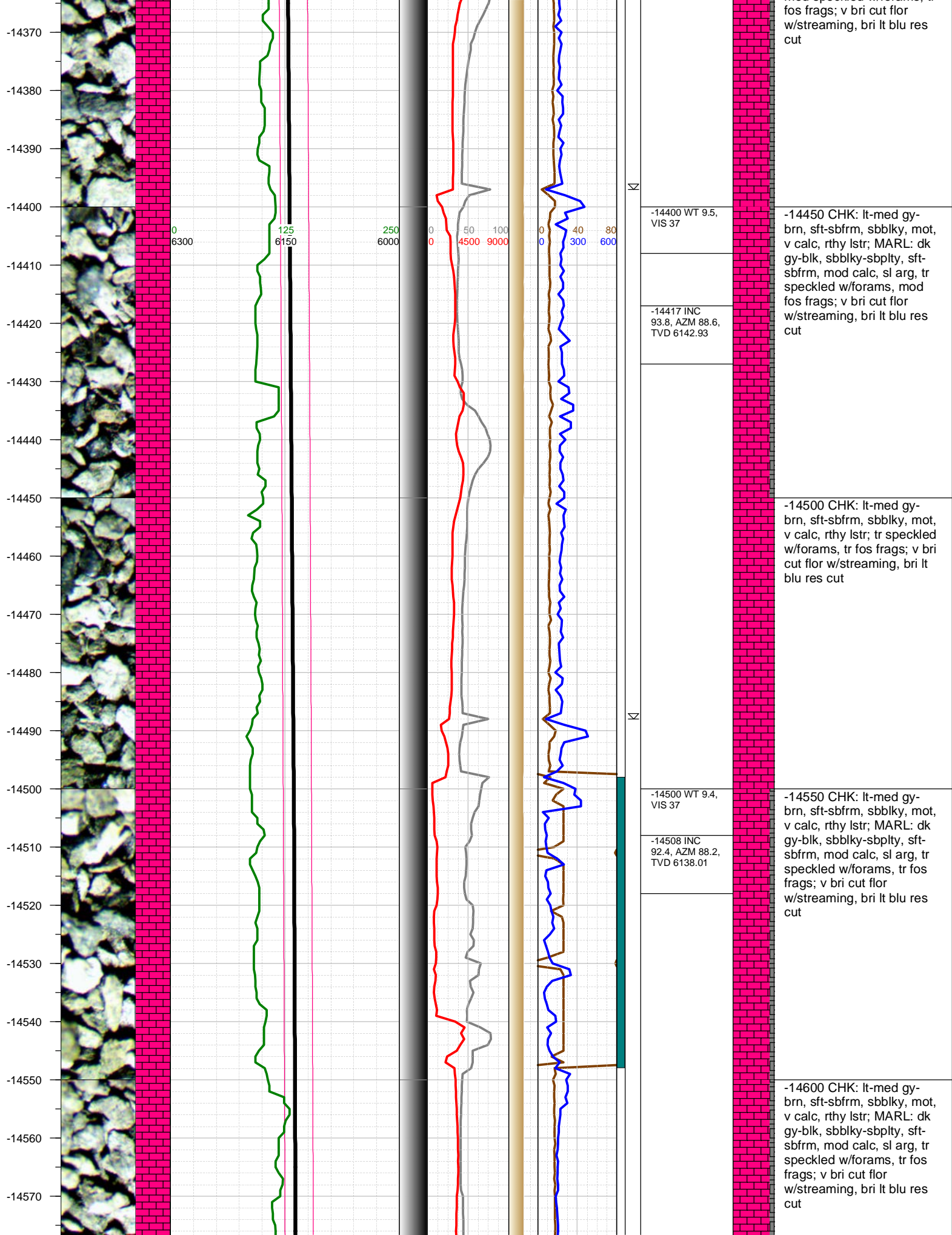
-13868 INC
89.1, AZM 91.2,
TVD 6144.26

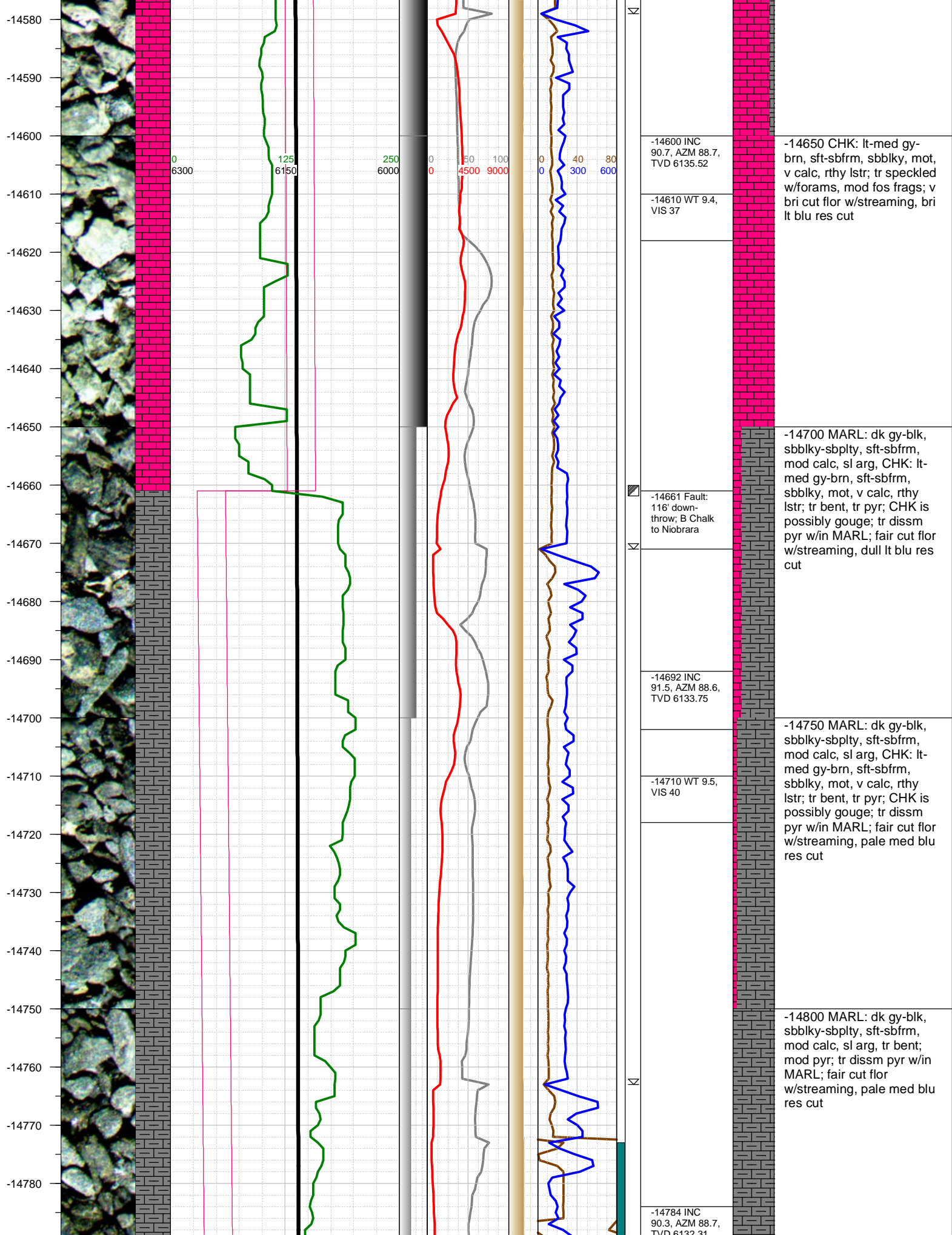
-13900 WT 9.7,
VIS 41

-13950 CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, bri cut flor w/streaming, bri lt blu res cut









-14600 INC
90.7, AZM 88.7,
TVD 6135.52

-14610 WT 9.4,
VIS 37

-14650 CHK: lt-med gy-
brn, sft-sbfrm, sbblky, mot,
v calc, rthy lstr; tr speckled
w/forams, mod fos frags; v
bri cut flr w/streaming, bri
lt blu res cut

-14661 Fault:
116' down-
throw; B Chalk
to Niobrara

-14692 INC
91.5, AZM 88.6,
TVD 6133.75

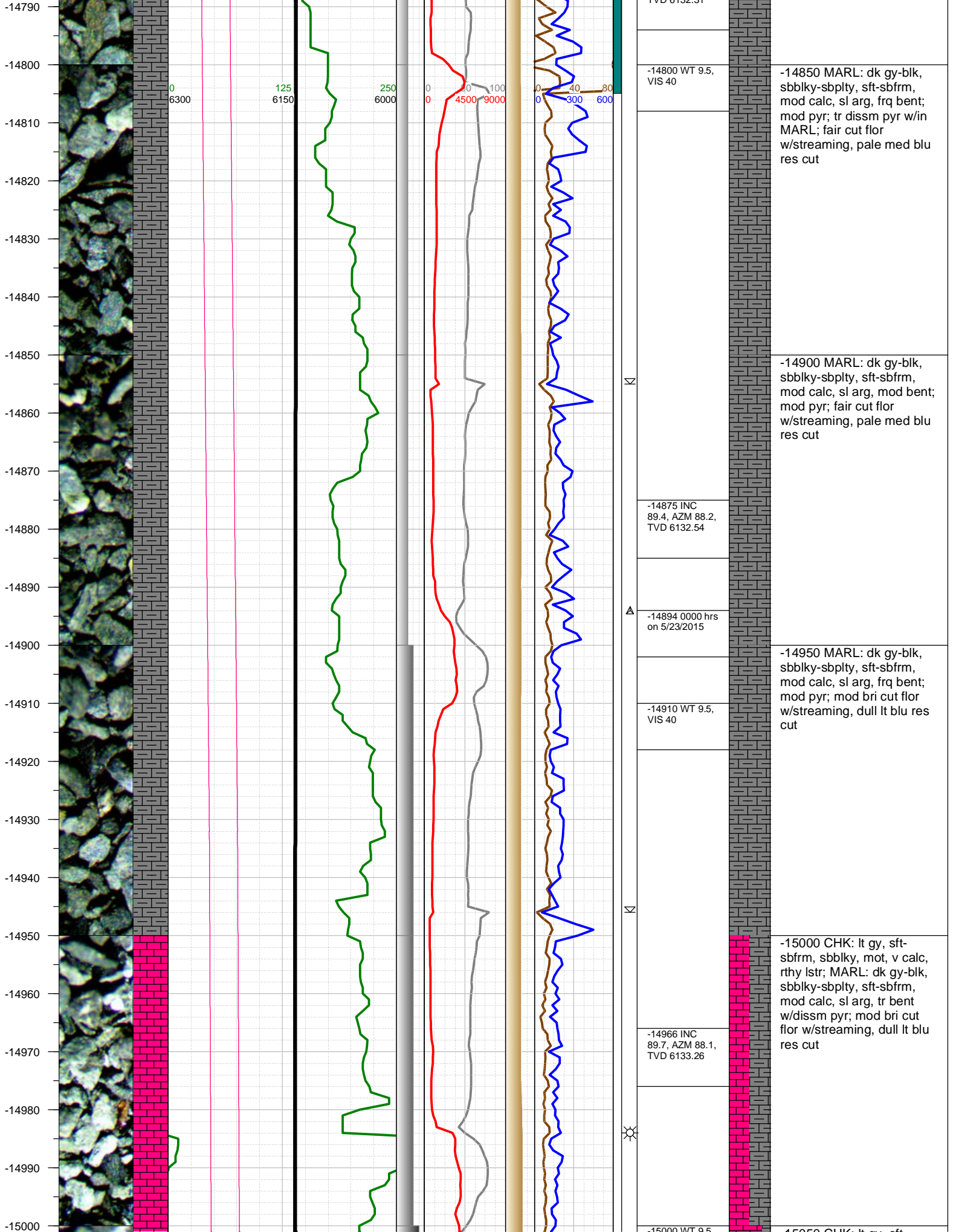
-14710 WT 9.5,
VIS 40

-14700 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; tr bent, tr pyr; CHK is
possibly gouge; tr diss
pyr w/in MARL; fair cut flr
w/streaming, dull lt blu res
cut

-14750 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; tr bent, tr pyr; CHK is
possibly gouge; tr diss
pyr w/in MARL; fair cut flr
w/streaming, pale med blu
res cut

-14800 MARL: dk gy-blk,
sbblky-sbplty, sft-sbfrm,
mod calc, sl arg, tr bent;
mod pyr; tr diss pyr w/in
MARL; fair cut flr
w/streaming, pale med blu
res cut

-14784 INC
90.3, AZM 88.7,
TVD 6132.31

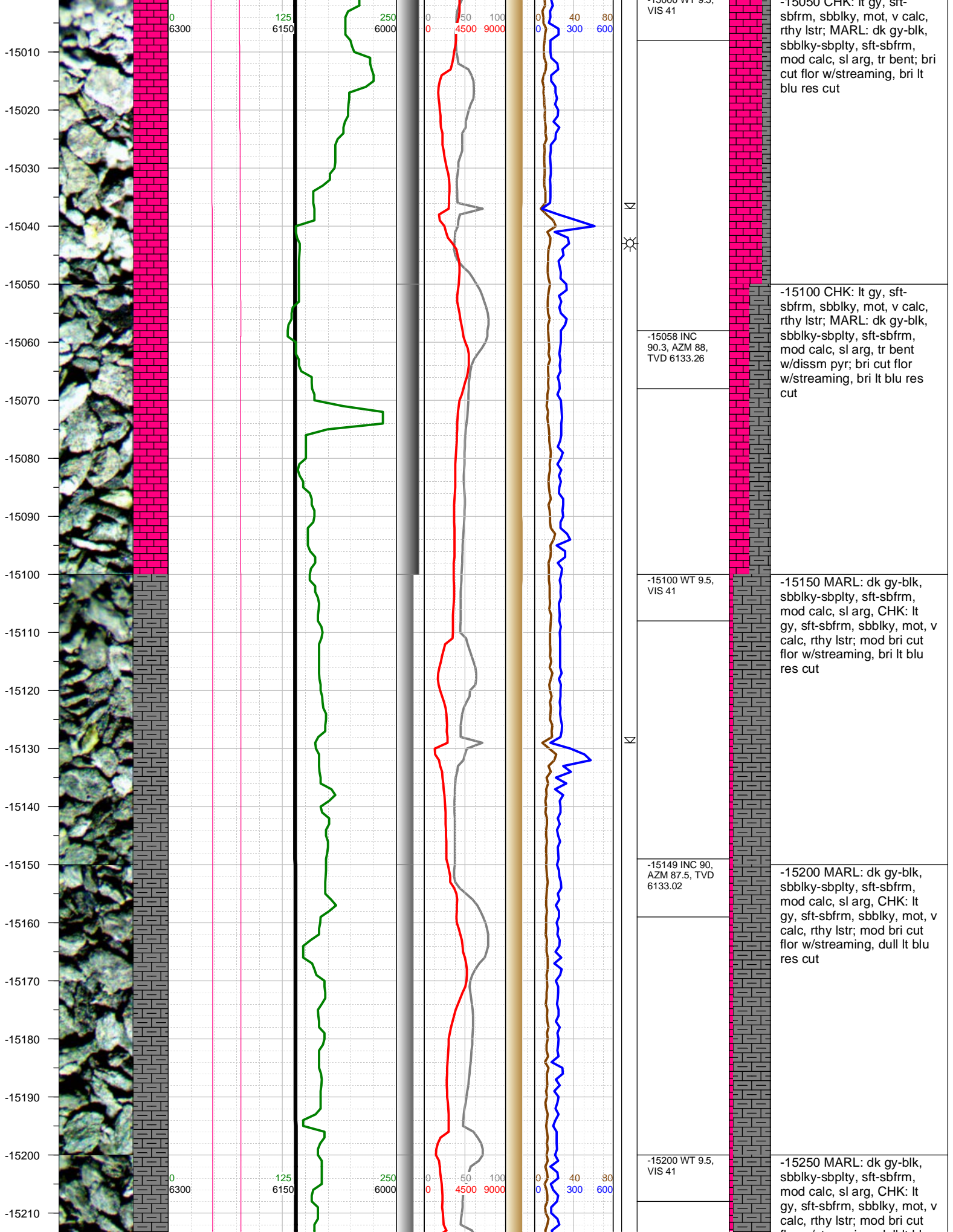


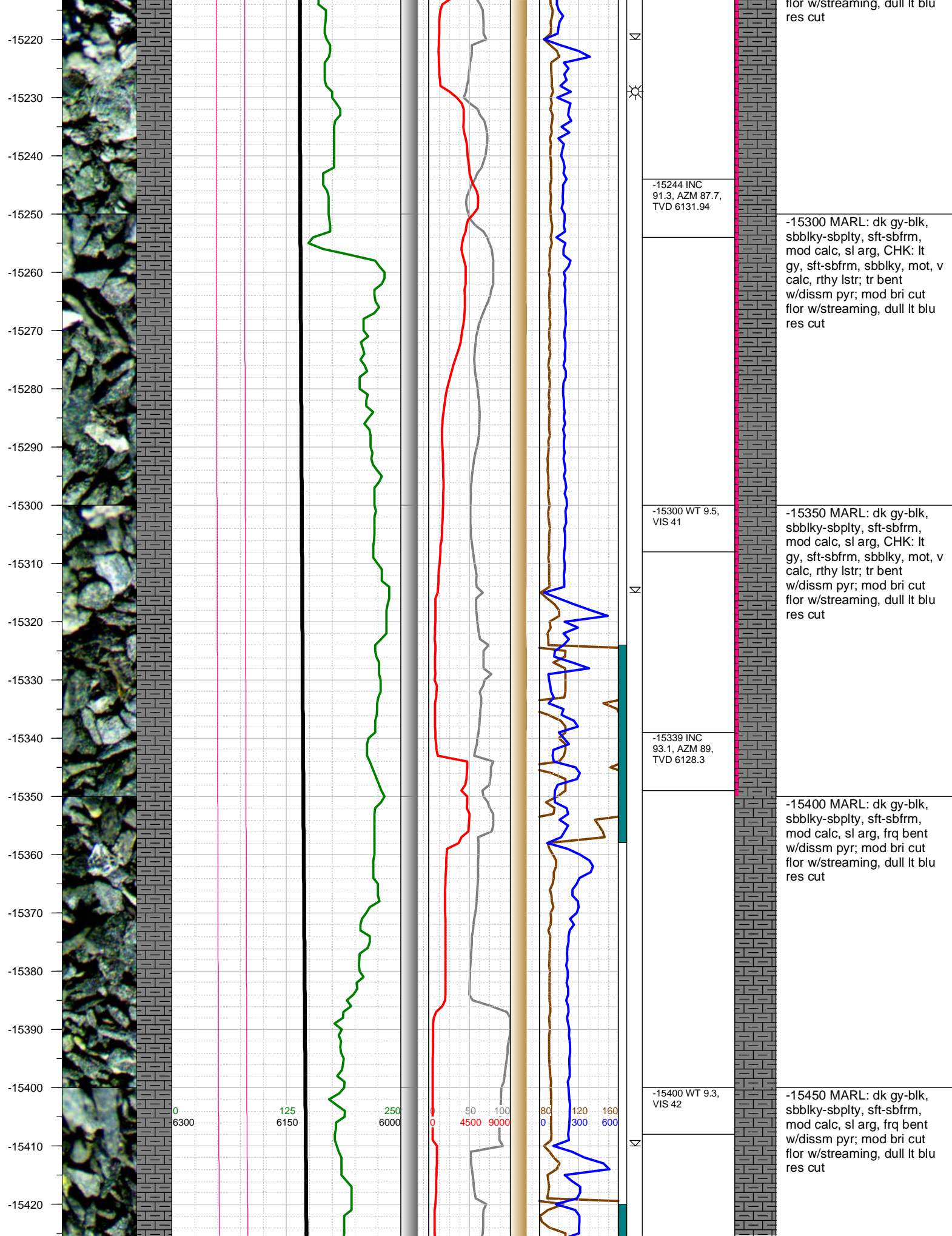
-14850 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, frq bent; mod pyr; tr diss pyr w/in MARL; fair cut flor w/streaming, pale med blu res cut

-14900 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, mod bent; mod pyr; fair cut flor w/streaming, pale med blu res cut

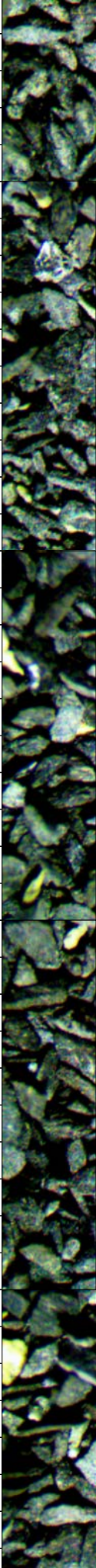
-14950 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, frq bent; mod pyr; mod bri cut flor w/streaming, dull lt blu res cut

-15000 CHK: lt gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, tr bent w/dissm pyr; mod bri cut flor w/streaming, dull 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



0
6300

125
6150

250
6000

0
0

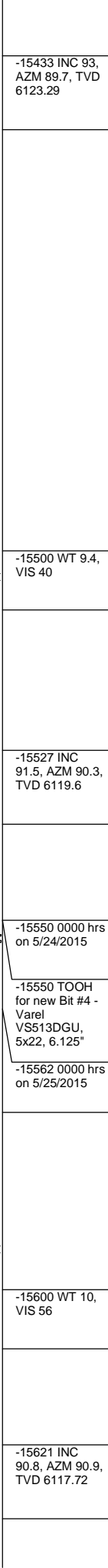
50
4500

100
9000

00
0

140
300

180
600

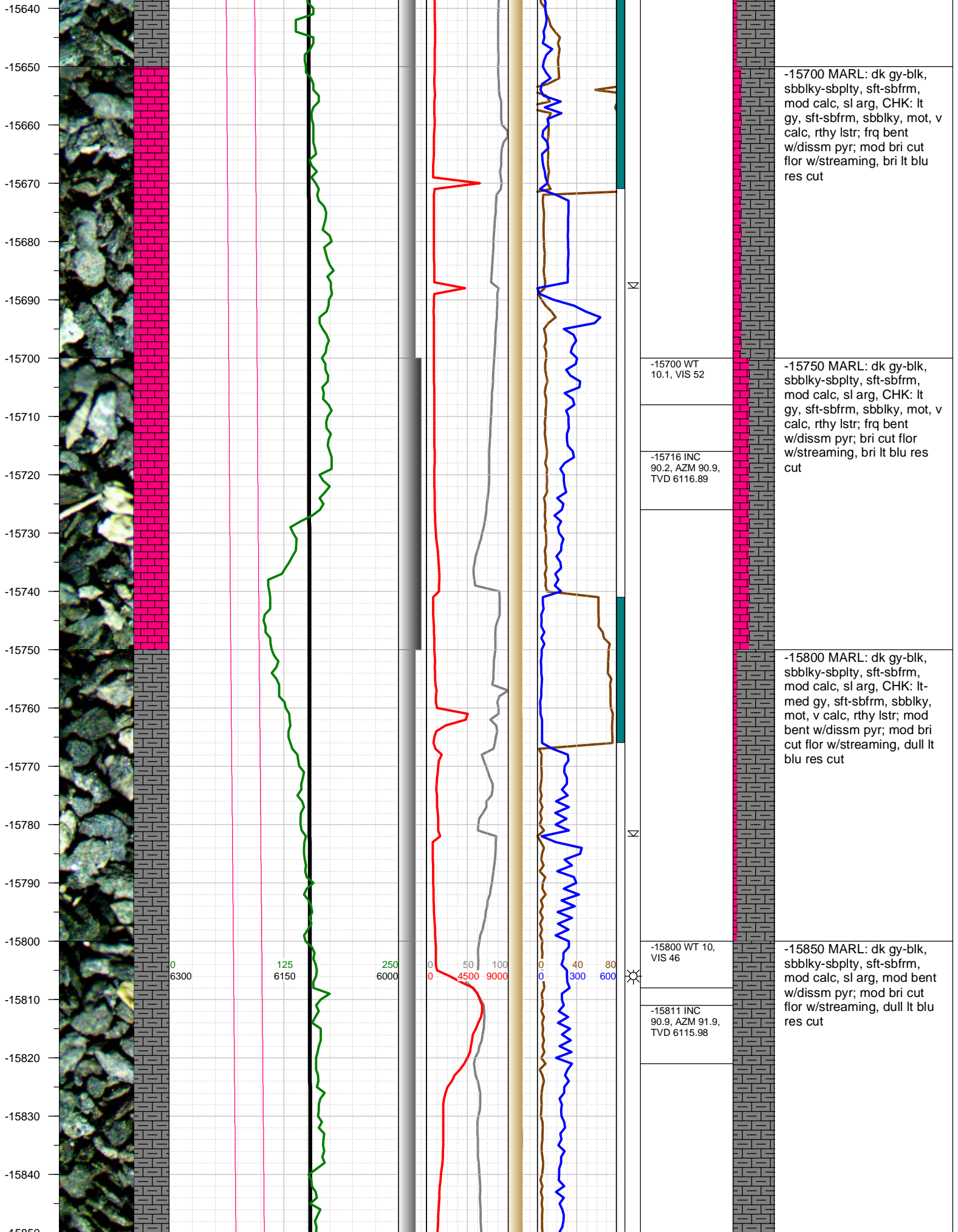


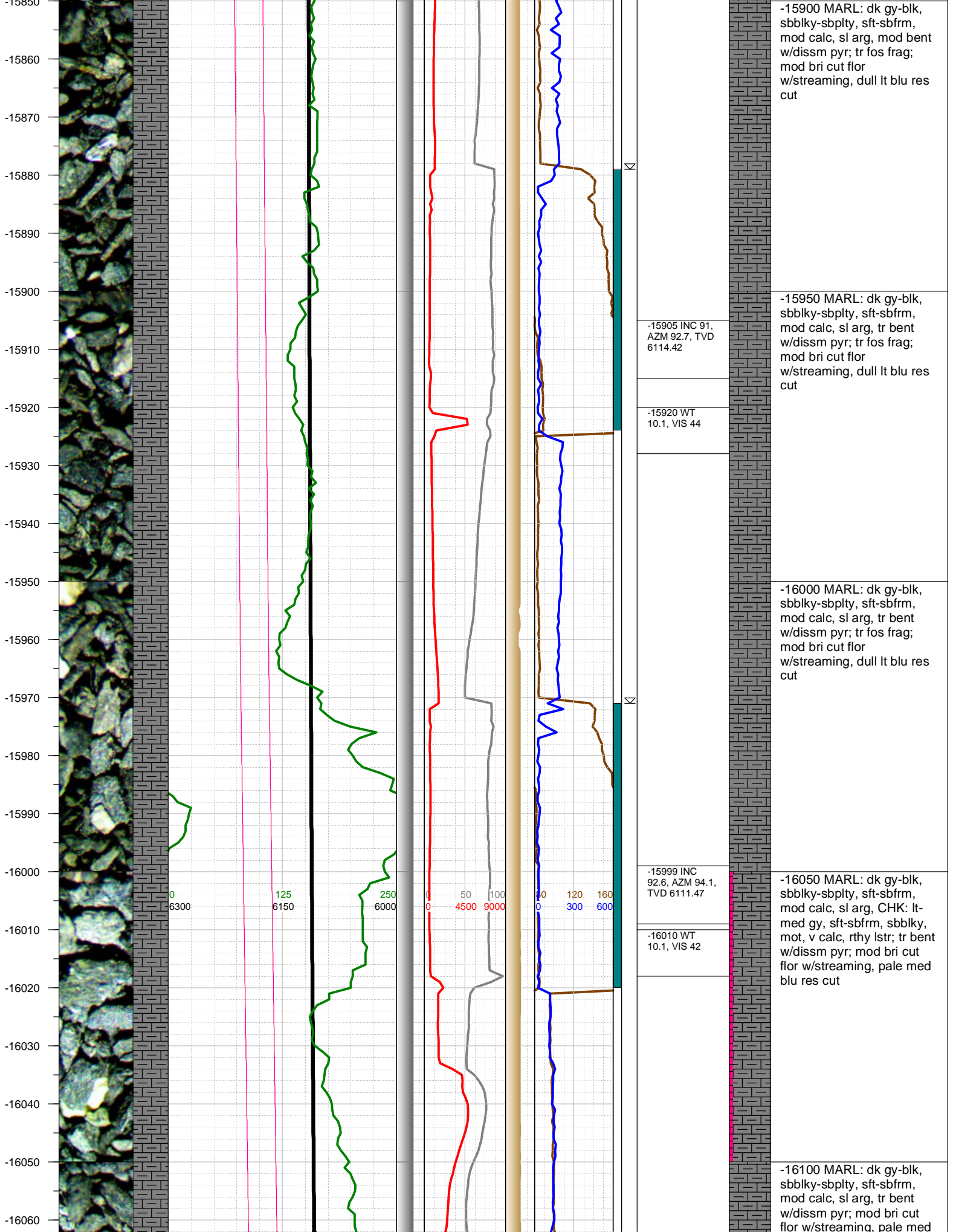
-15500 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, frq bent w/dissm pyr; mod bri cut flor w/streaming, dull lt blu res cut

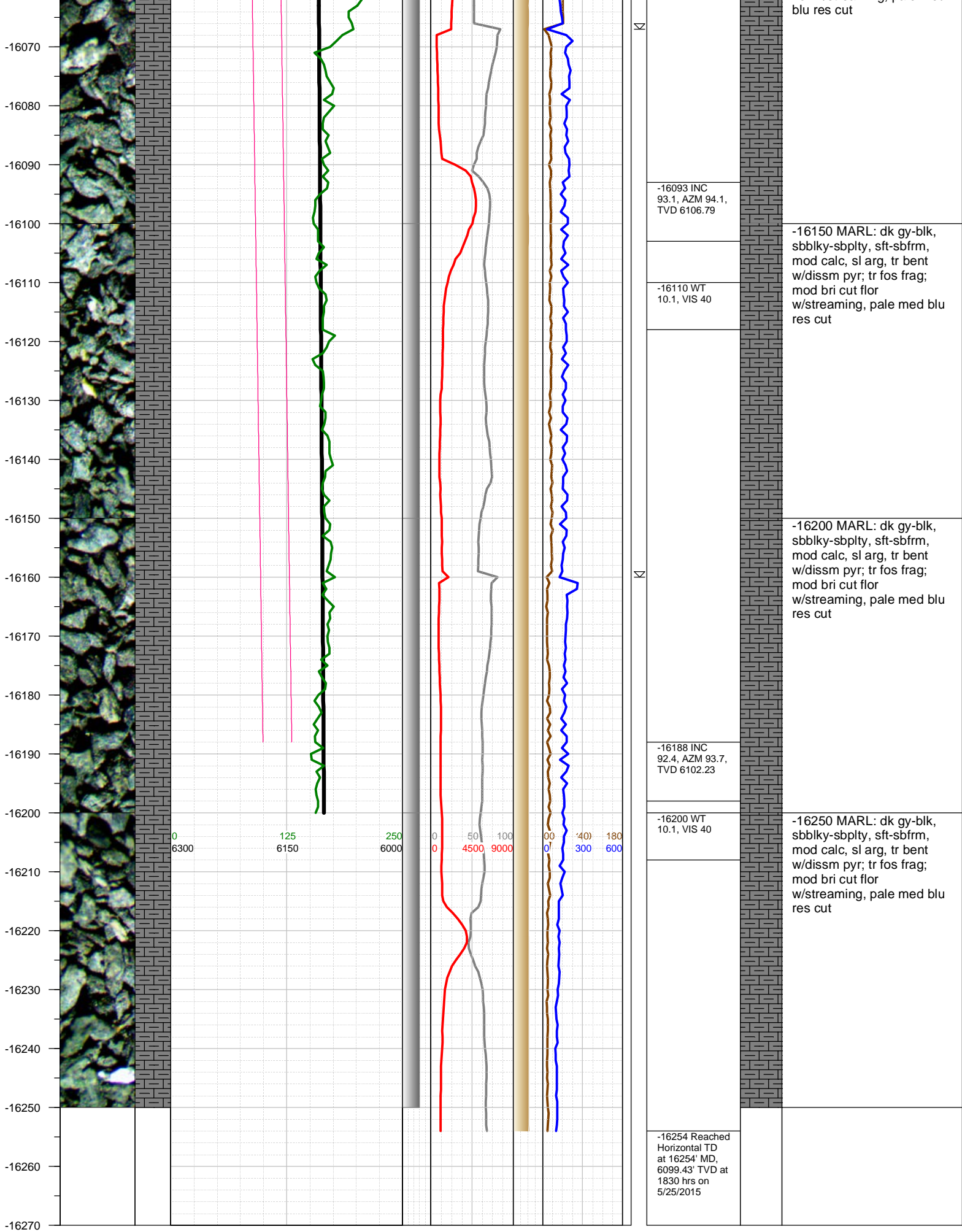
-15550 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, frq bent w/dissm pyr; mod bri cut flor w/streaming, dull lt blu res cut

-15600 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, abndt bent w/dissm pyr; mod bri cut flor w/streaming, dull lt blu res cut

-15650 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg, CHK: lt gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr; frq bent w/dissm pyr; mod bri cut flor w/streaming, bri lt blu res cut







TOTAL DEPTH = 16254'

Thank you for using Earth Science Agency