

OPERATOR: **Extraction Oil & Gas**
WELL NAME: **Interchange B N35-20-7N**
FIELD NAME: DJ Basin - Wattenberg
DRILLING RIG: Patterson 901
API #: 05-014-20775

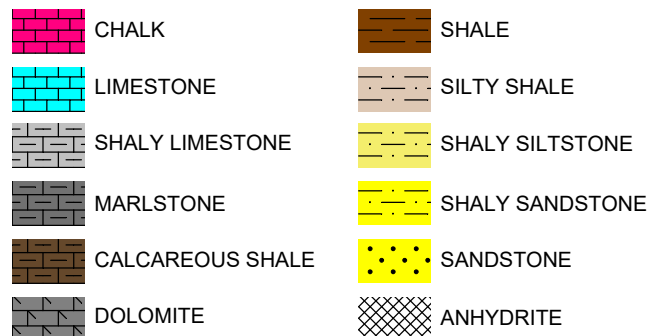
LAT/LONG: 39.978987, -104.991281
SURFACE HOLE: NESW S10-T1S-R68W, 2500' FSL, 1655' FWL
BOTTOM HOLE: S34-T1N-R68W, 460' FNL, 1017' FEL



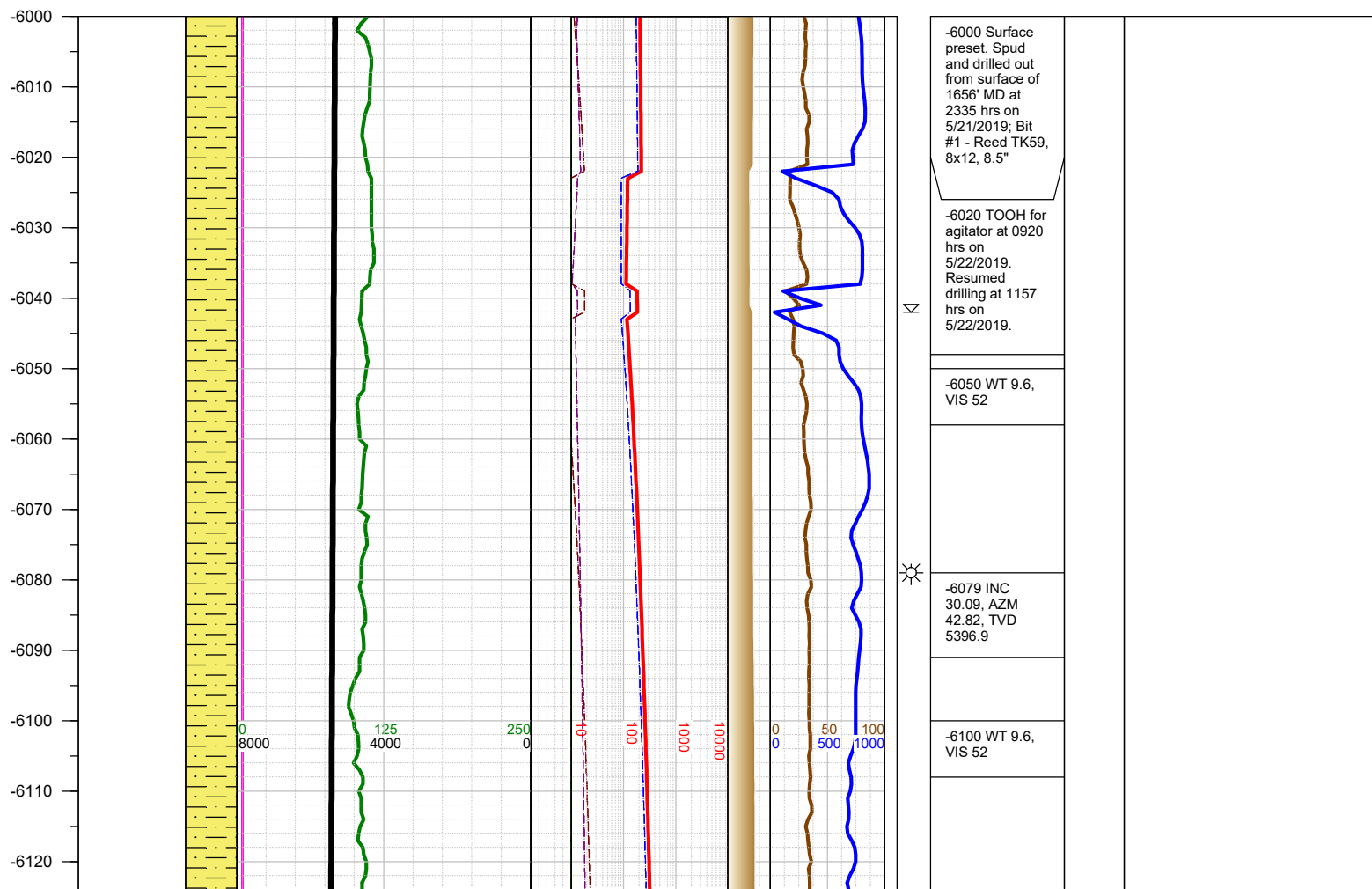
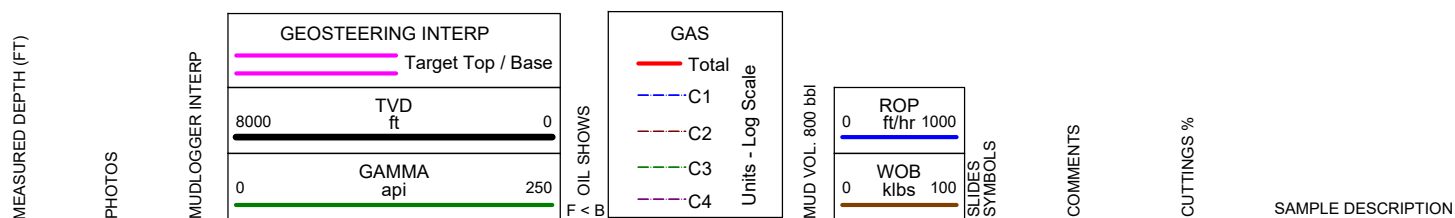
Earth Science Agency, LLC

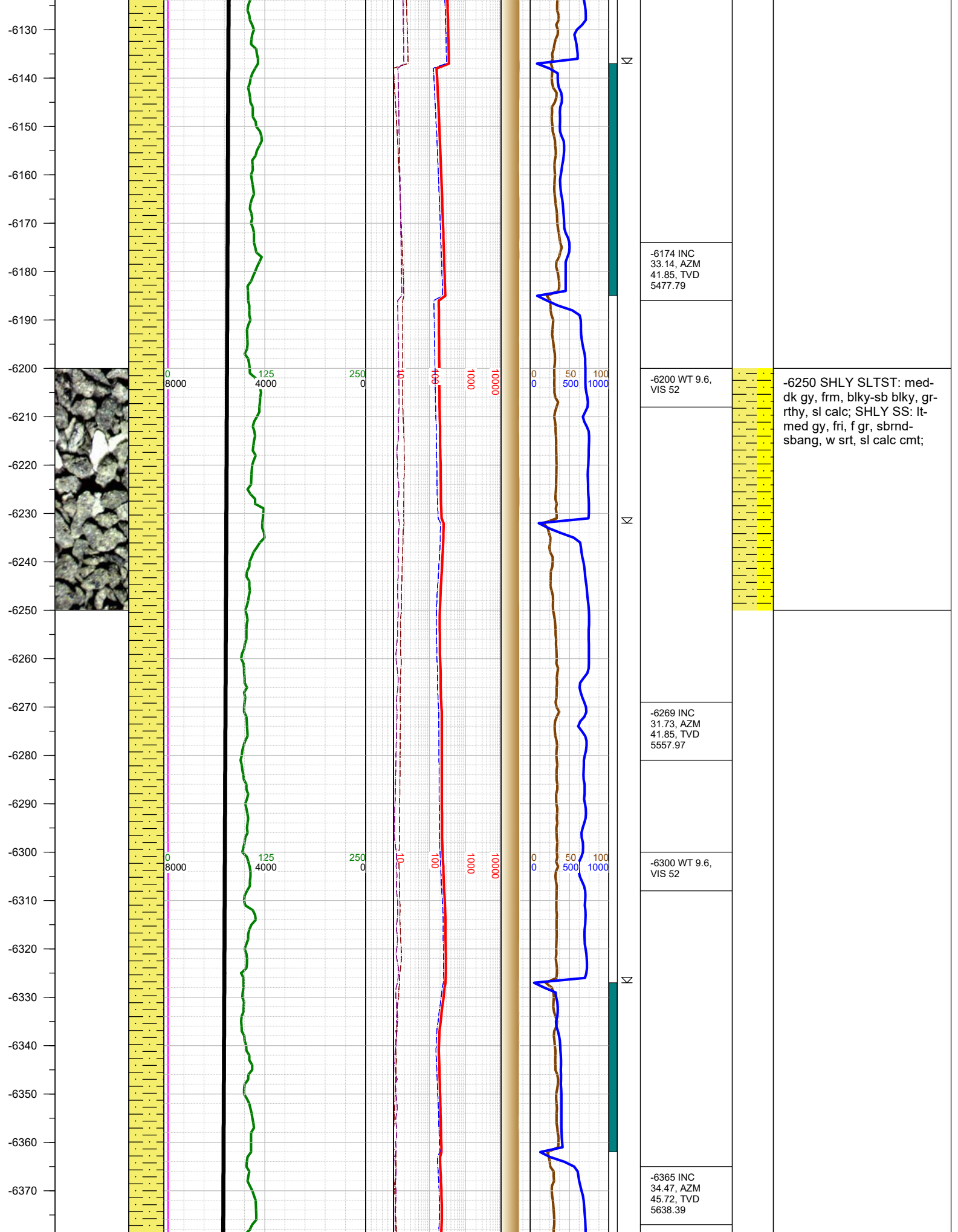
COUNTY: Broomfield
STATE: Colorado
GROUND ELEVATION: 5213'
KELLY BUSHING: 5242'
DRILLING FLUID: OBM
TVD VS. MD: 7795' / 18653'
SPUD DATE: May 21, 2019
TD DATE: May 24, 2019
DEPTHS LOGGED: 6000' - 18653'
DATES LOGGED: May 22, 2019 - May 24, 2019
GEOLOGISTS: Madison Miller, Dominic Pitre
SCALE: 5" = 100'

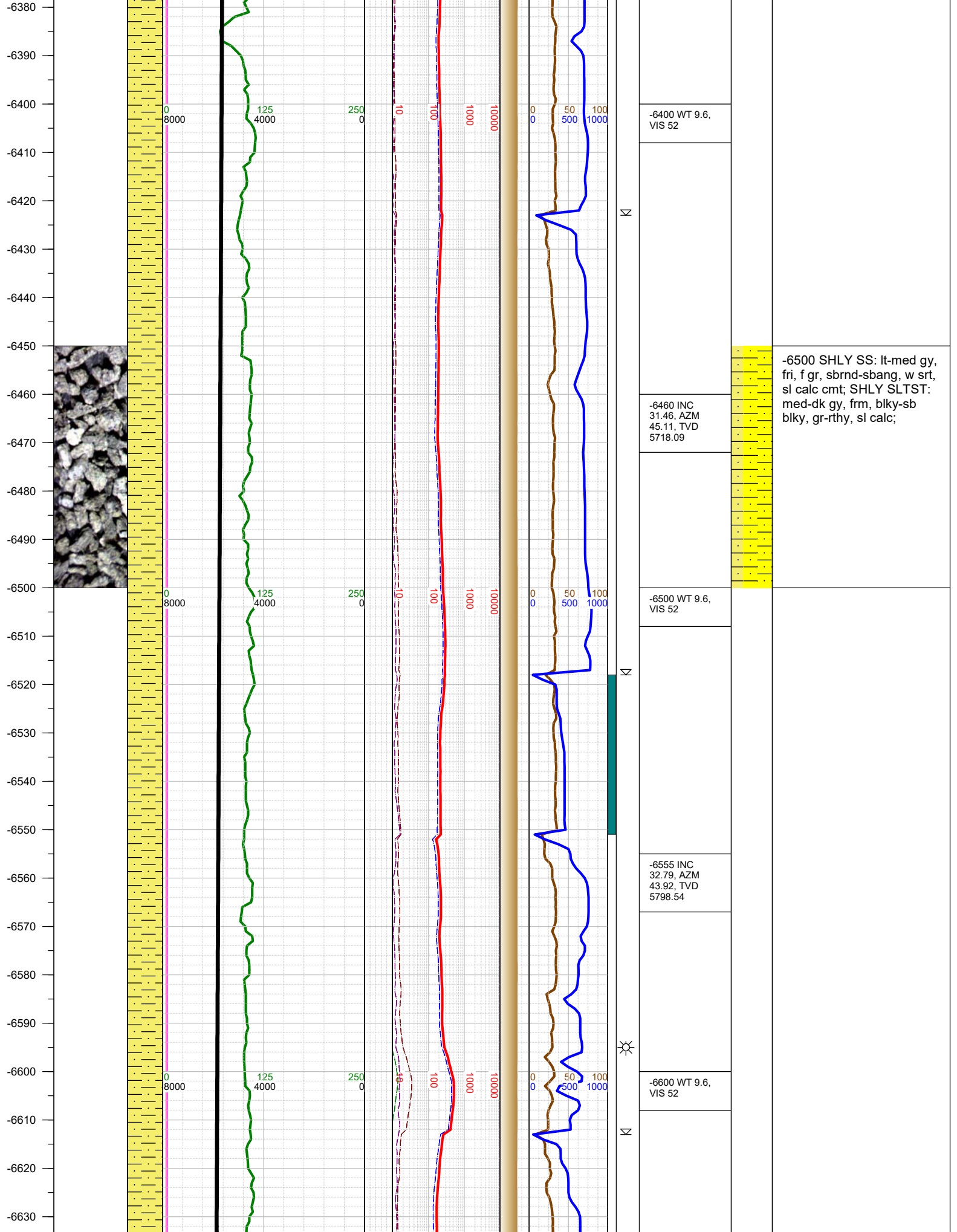
LEGEND

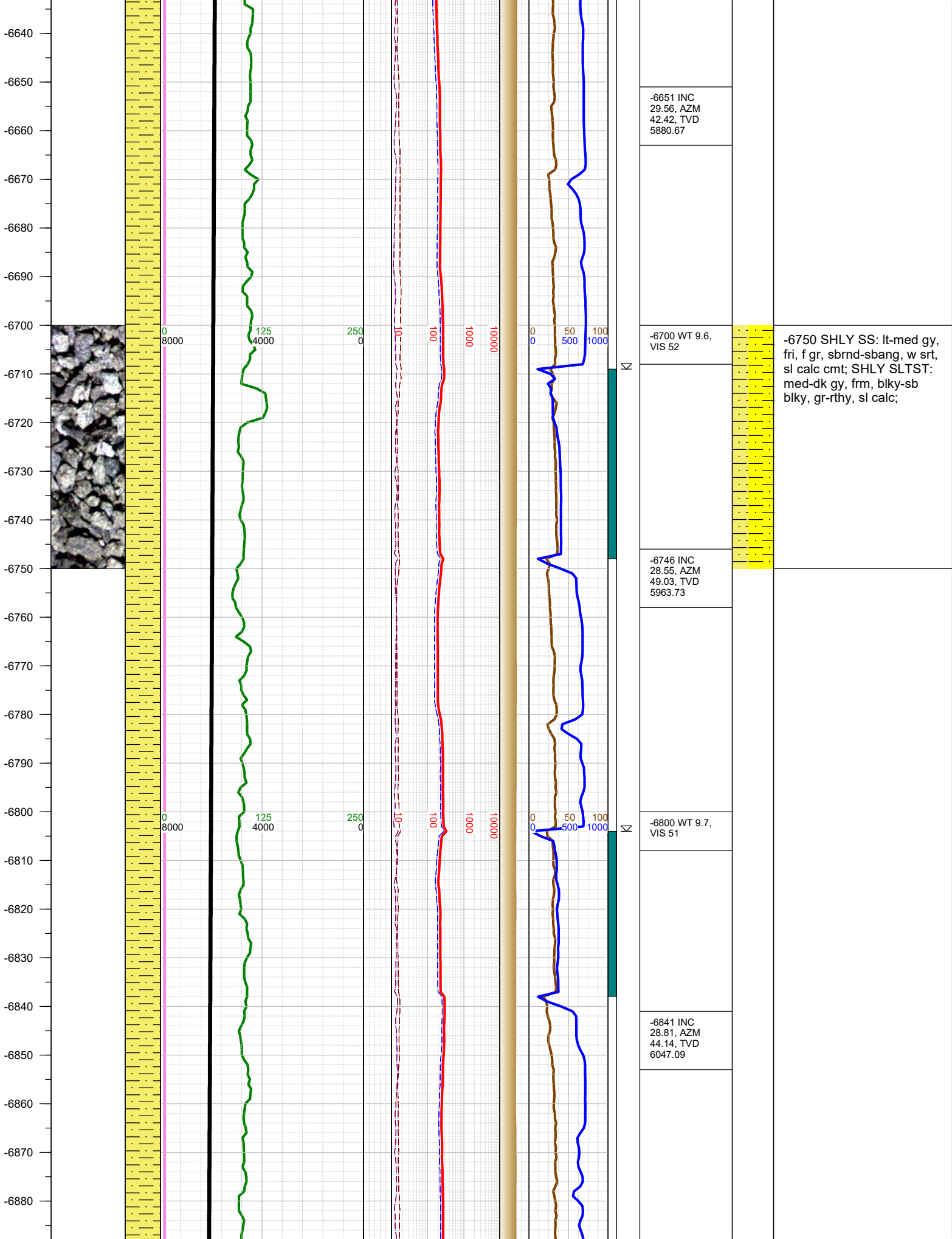


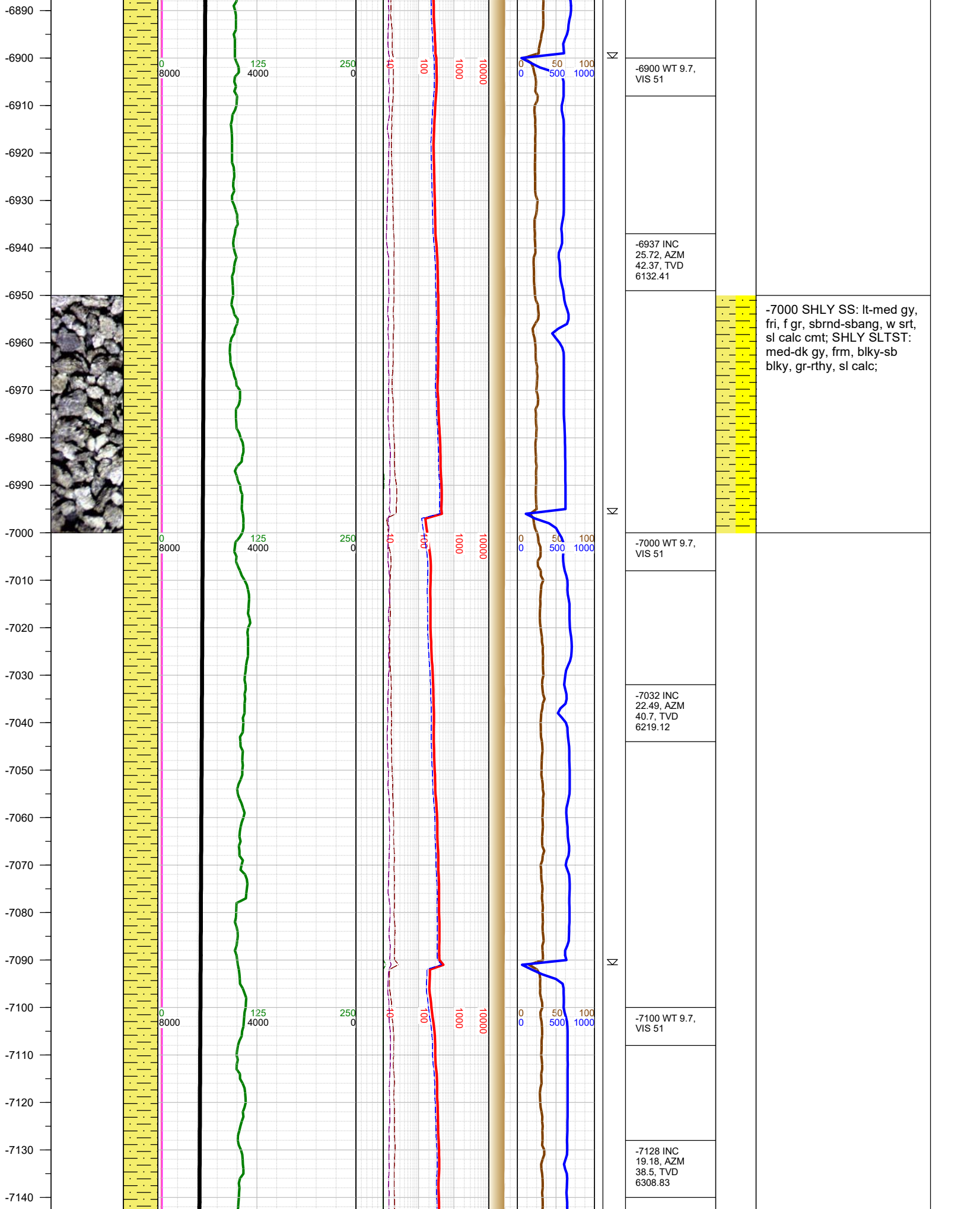
FORMATION \approx CONNECTION Δ MIDNIGHT NEW BIT GAS SHOW FAULT

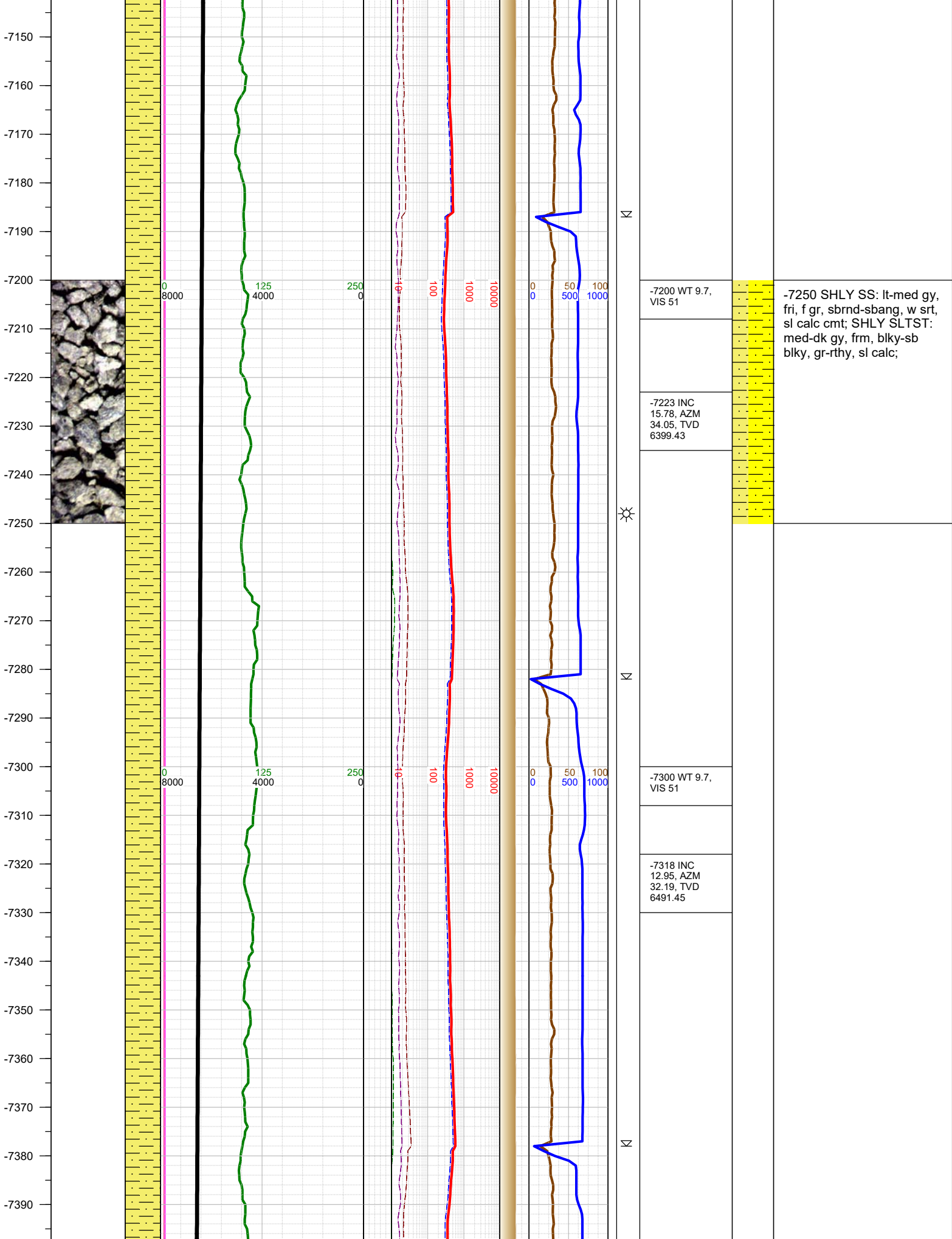


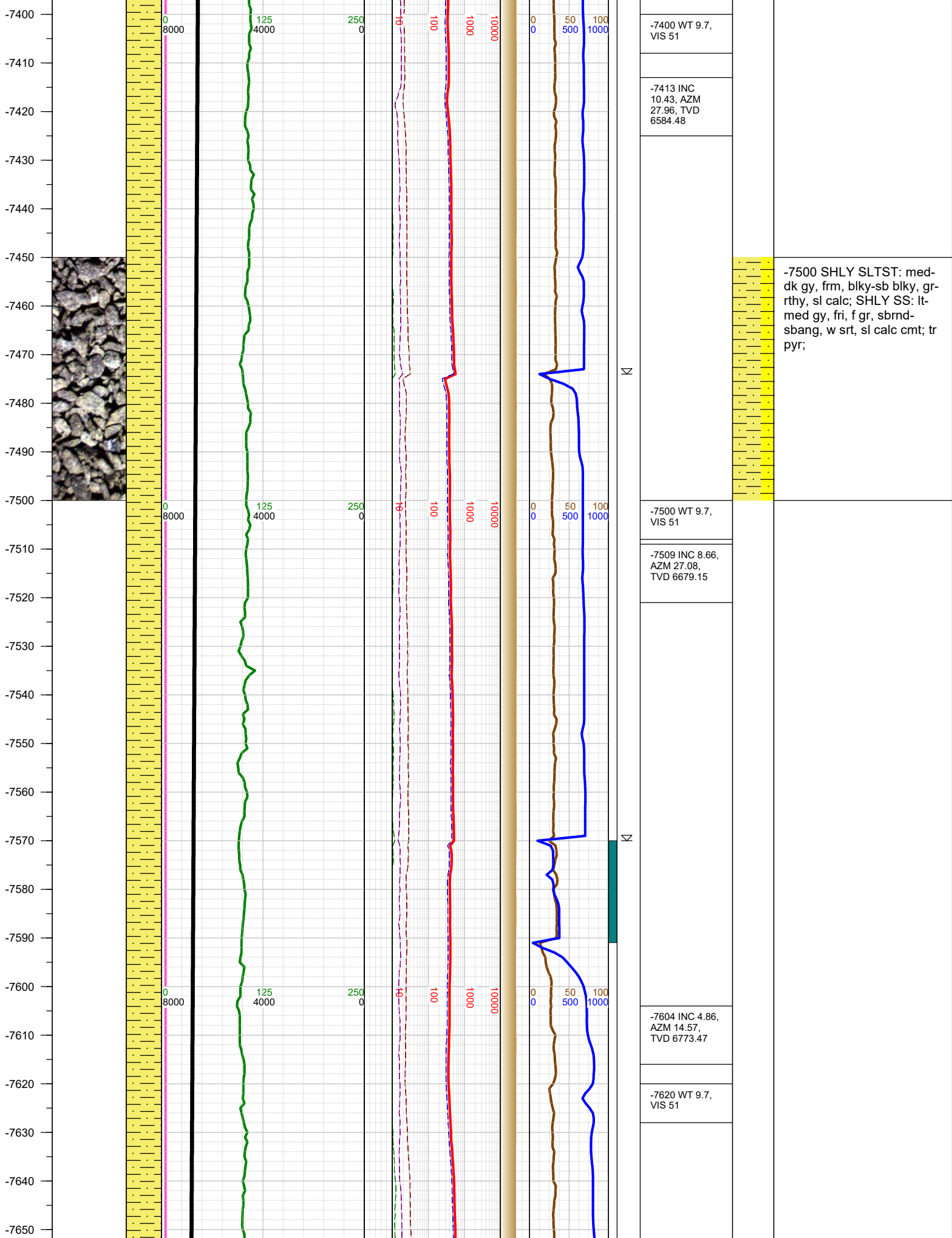


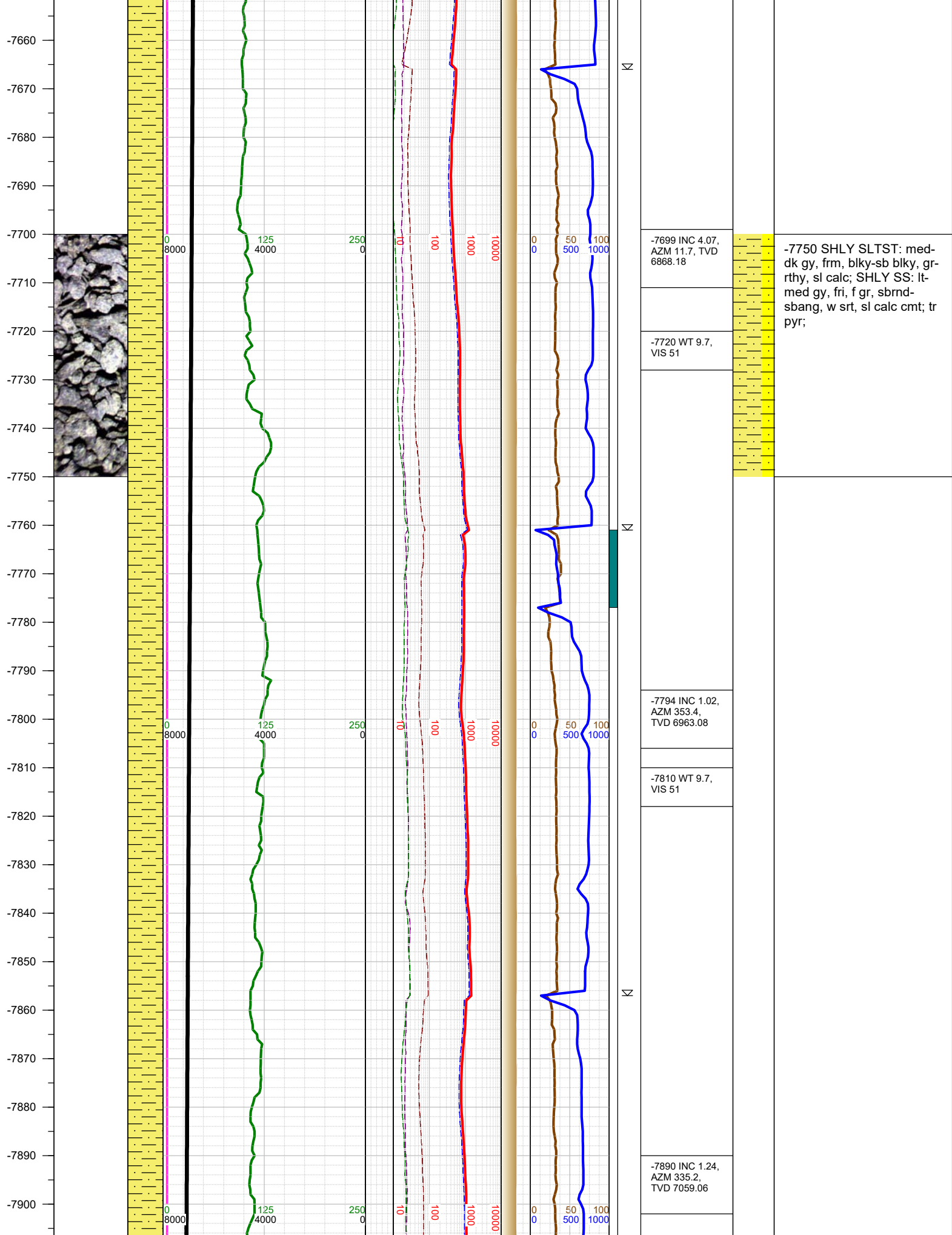


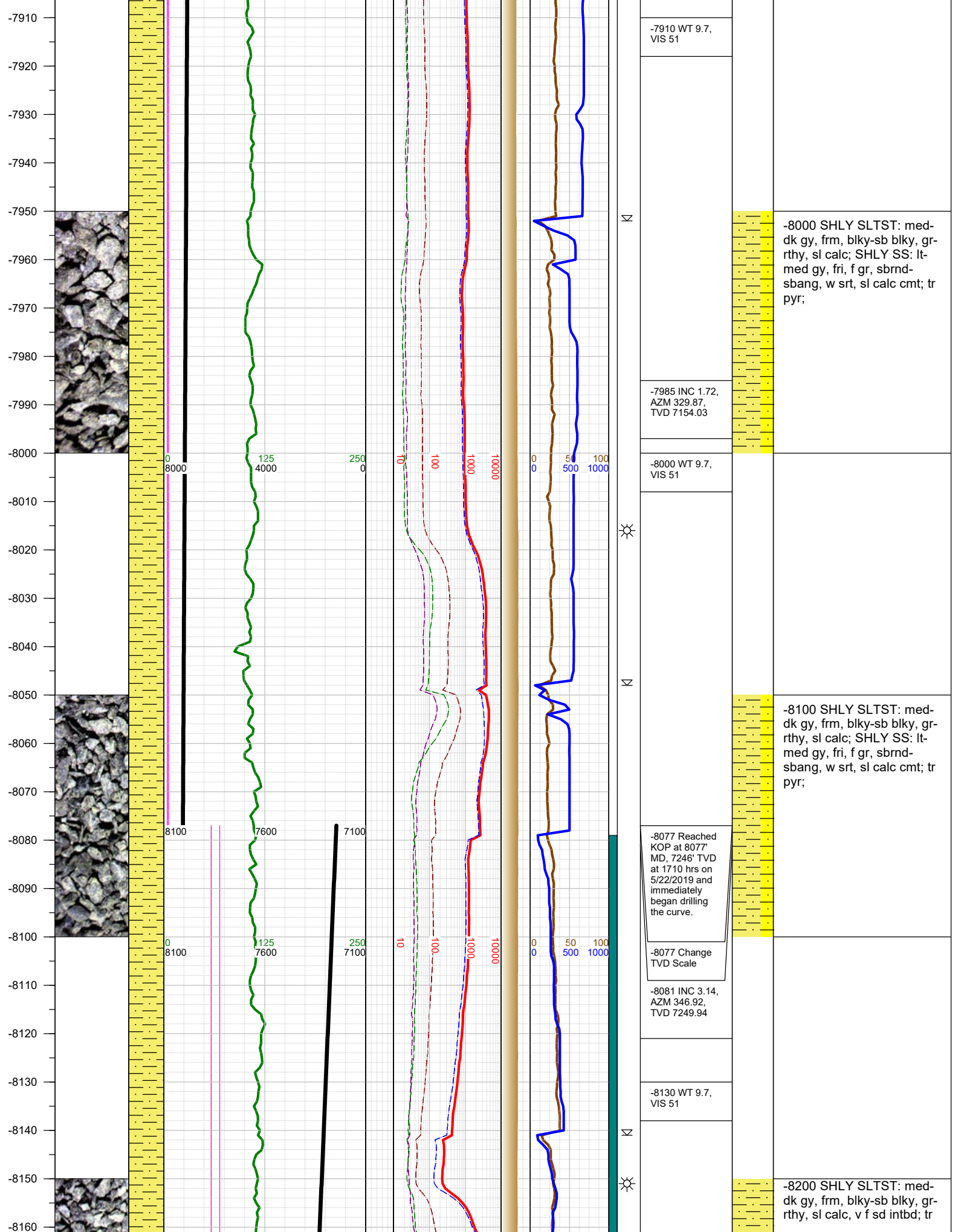


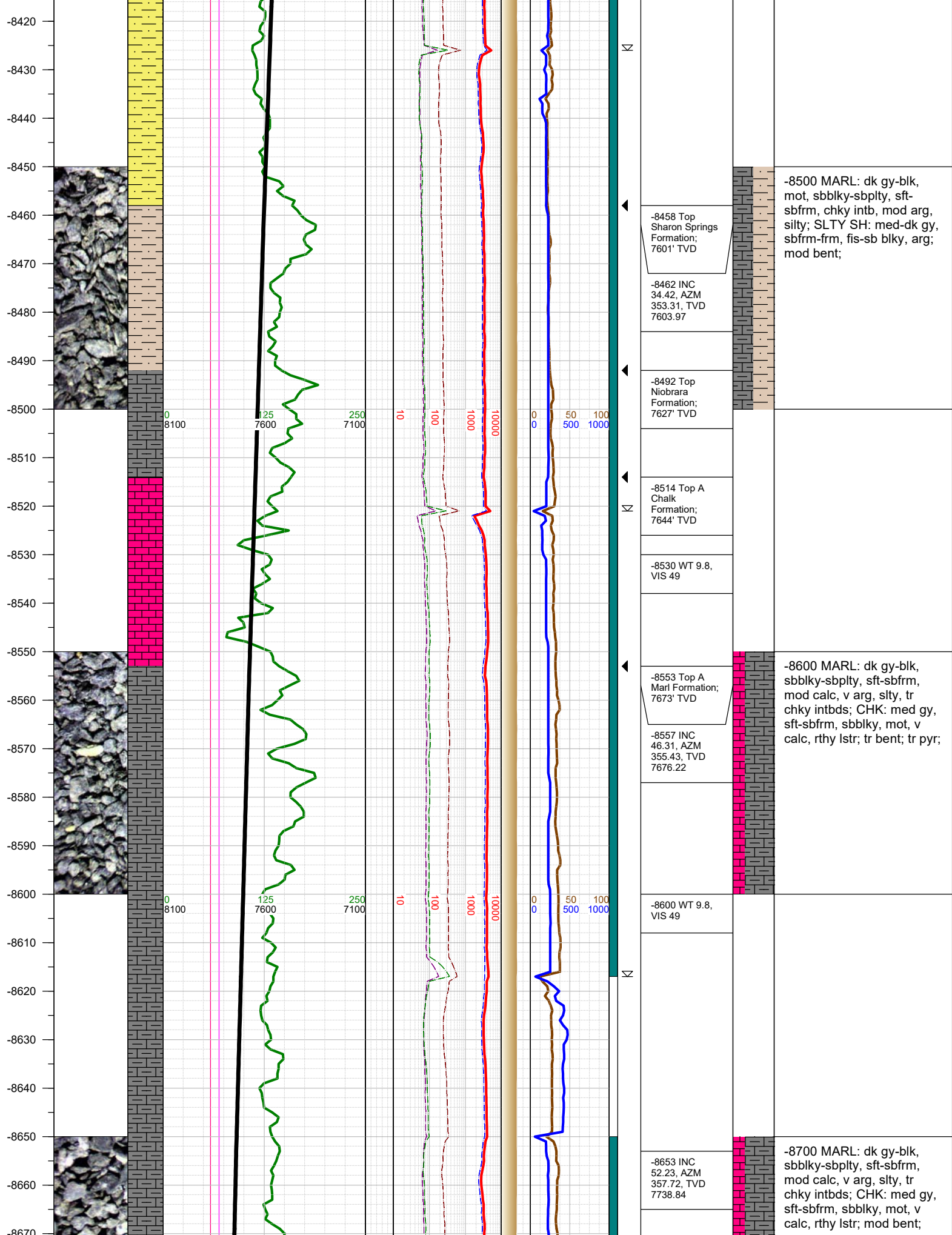


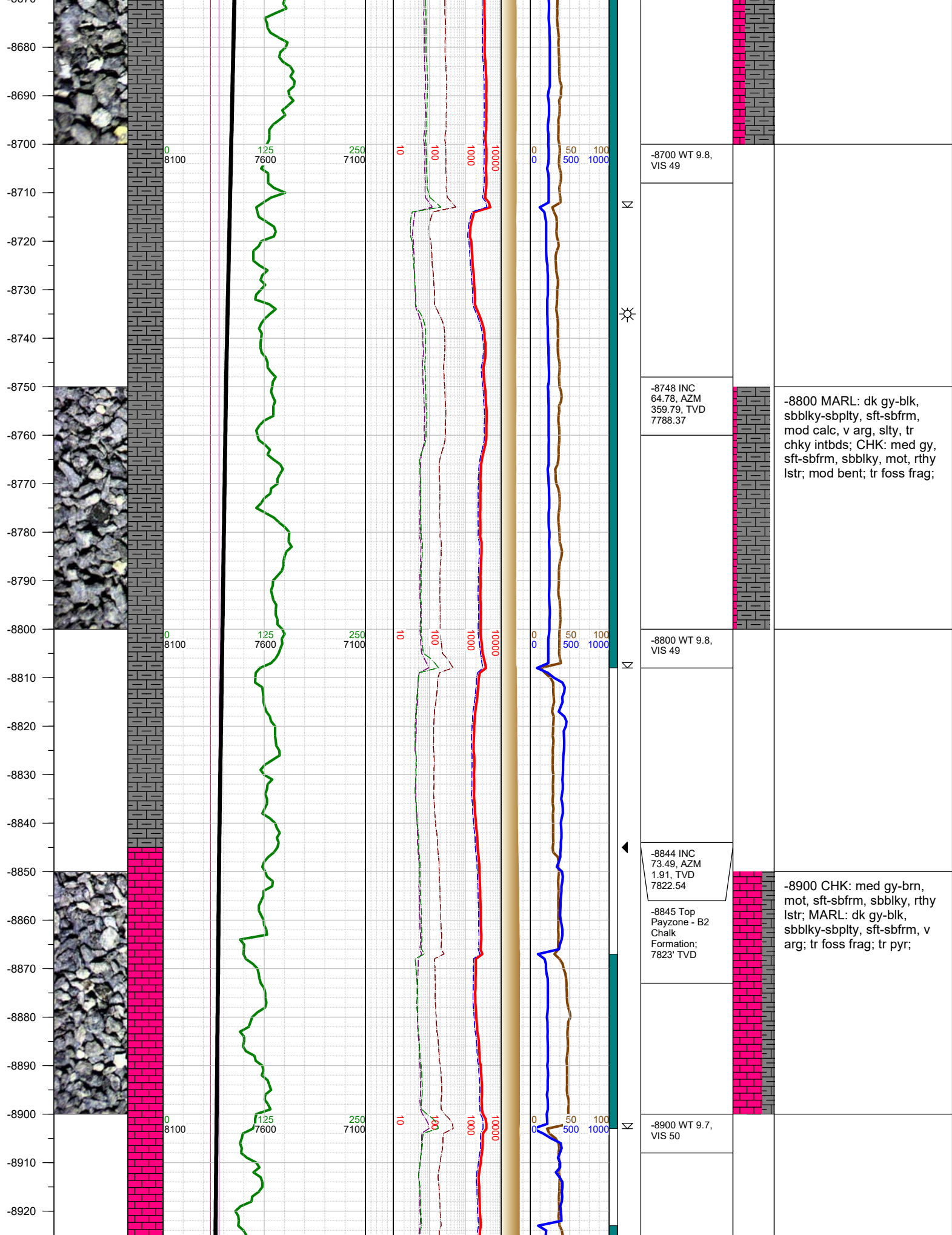


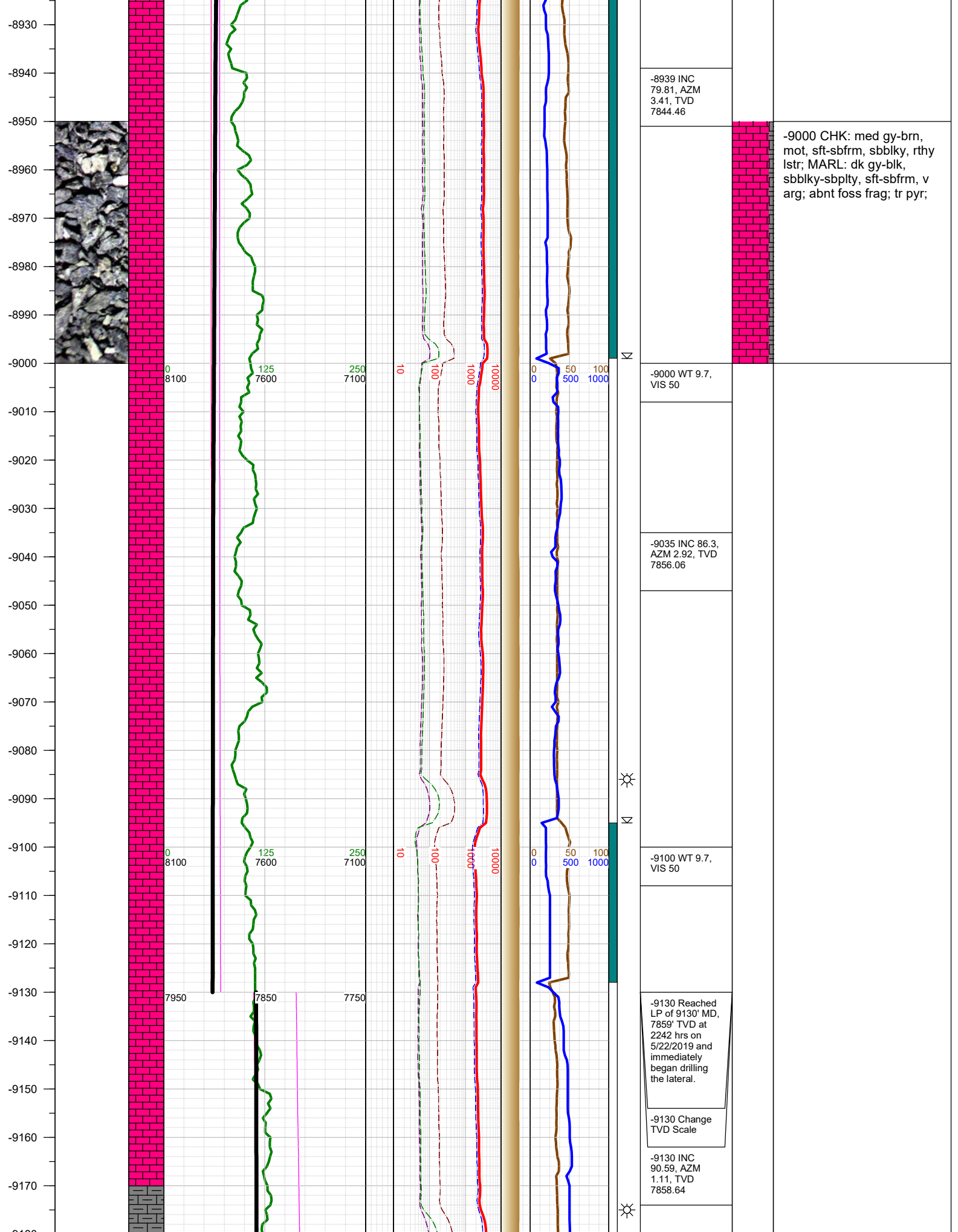


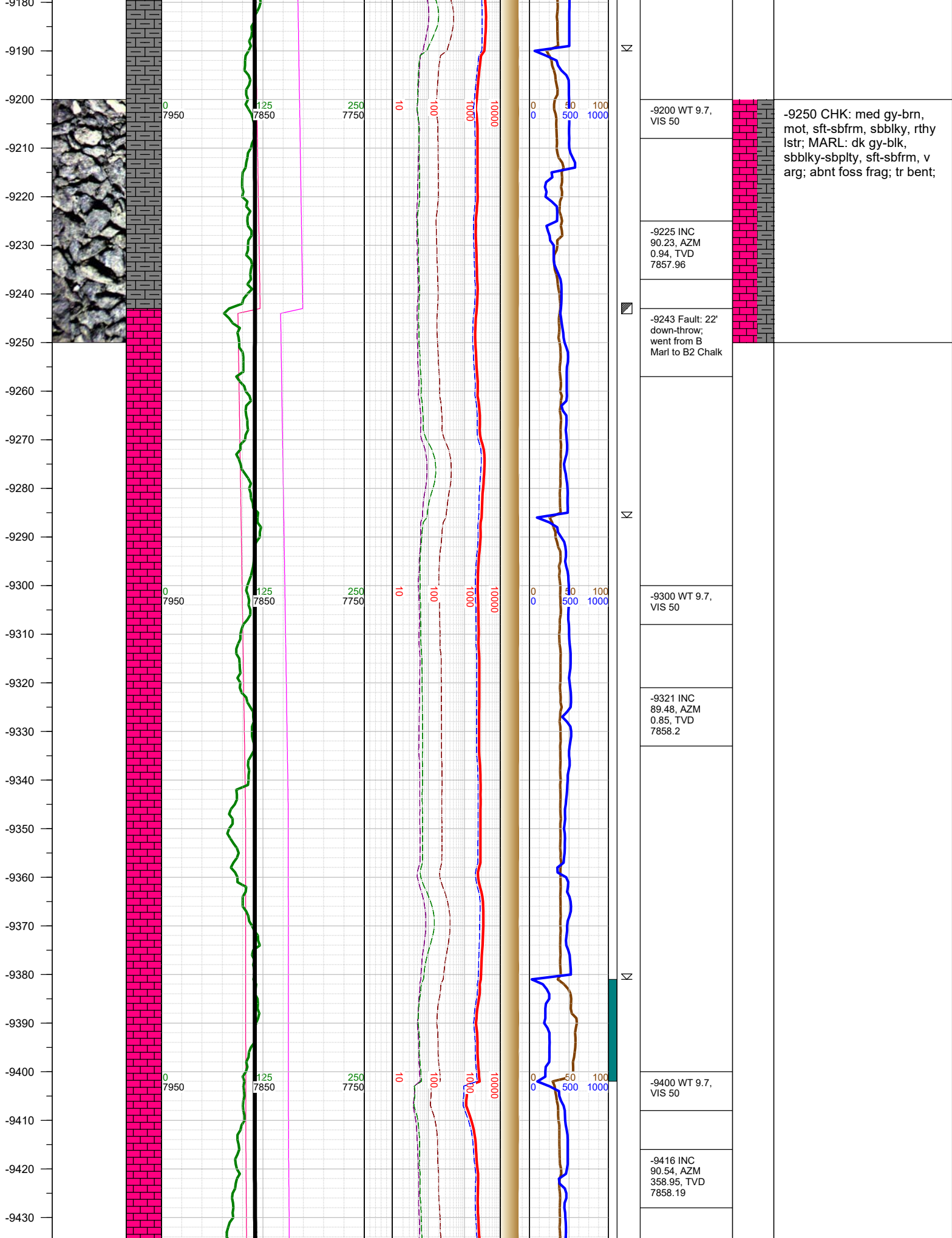


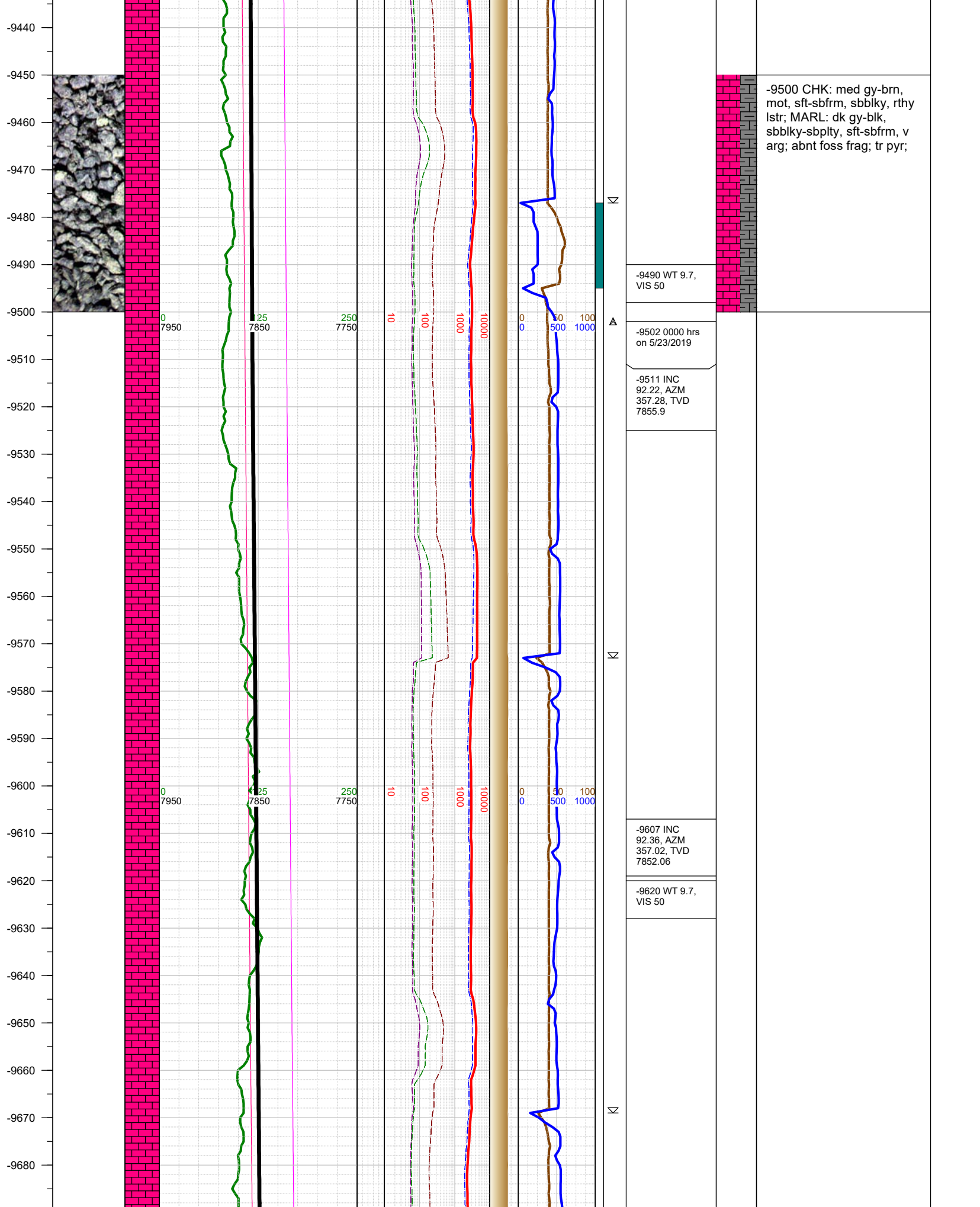


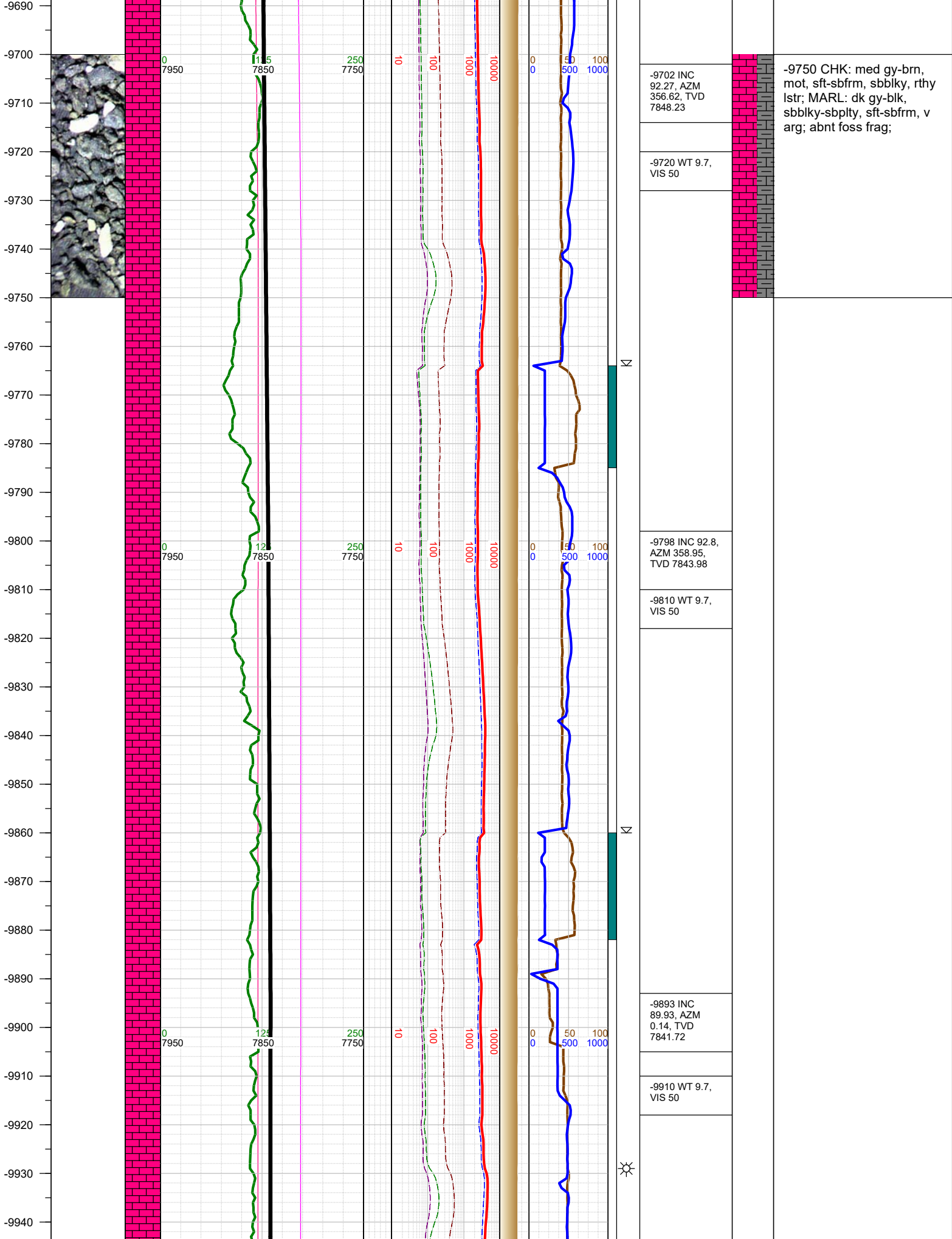


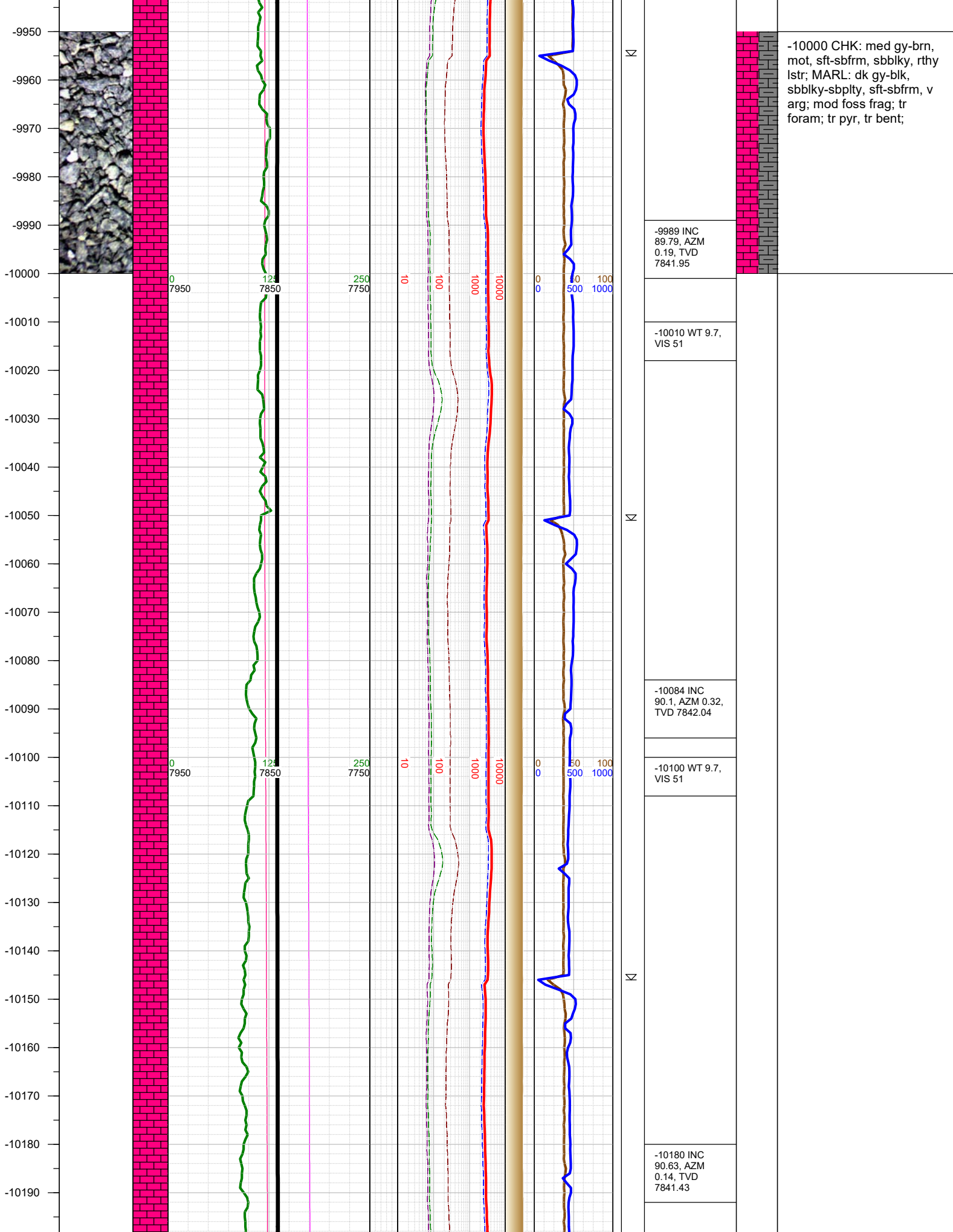


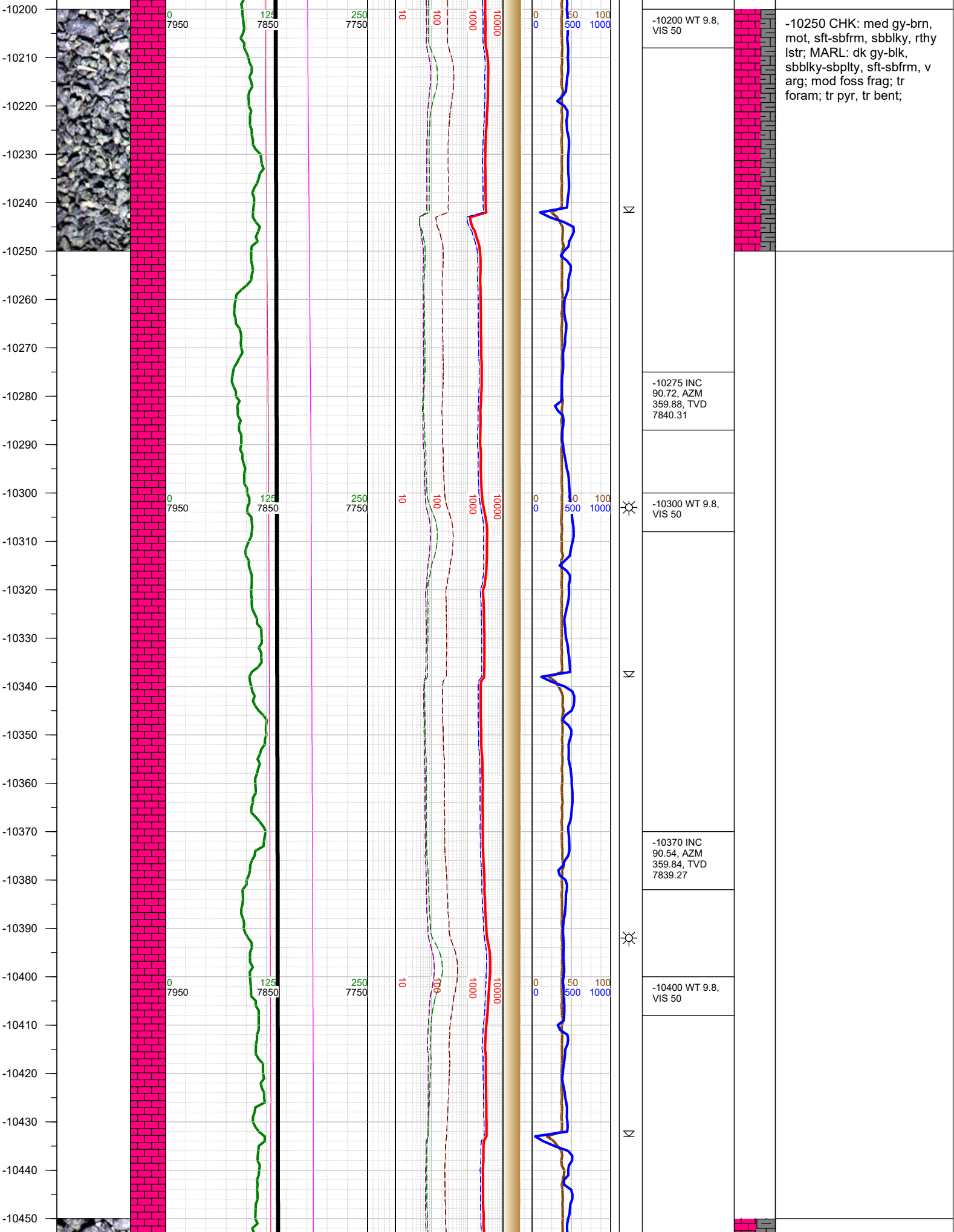


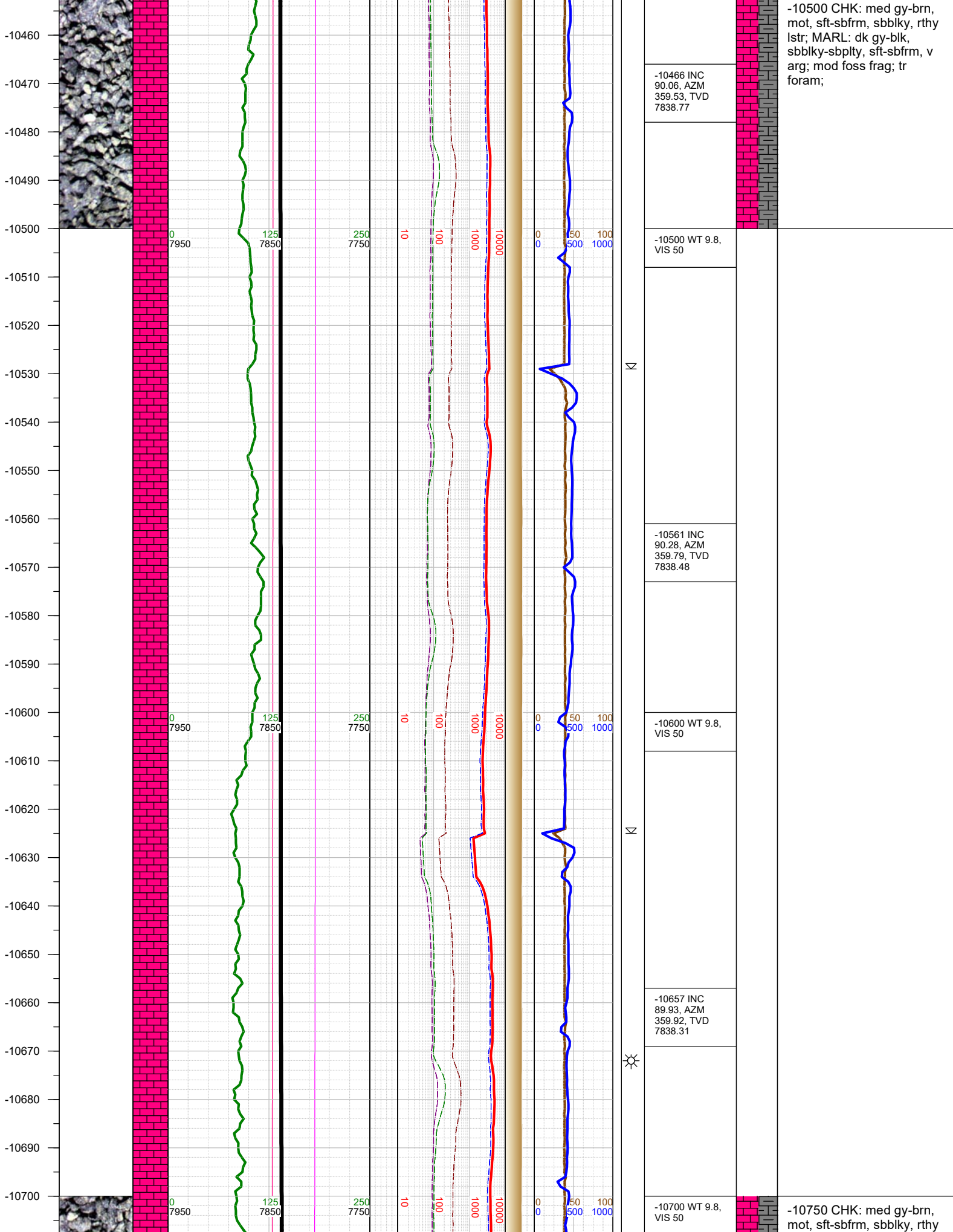


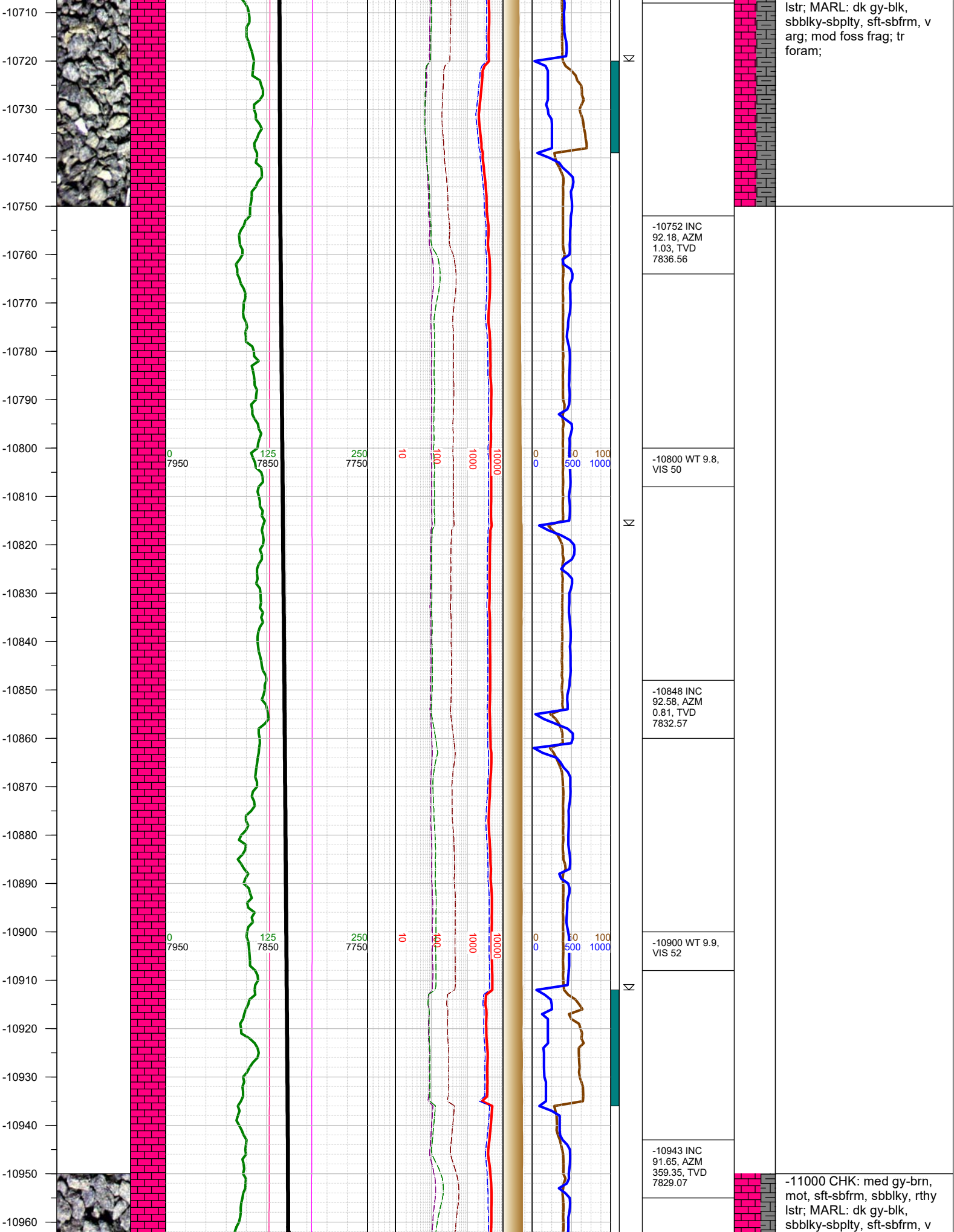


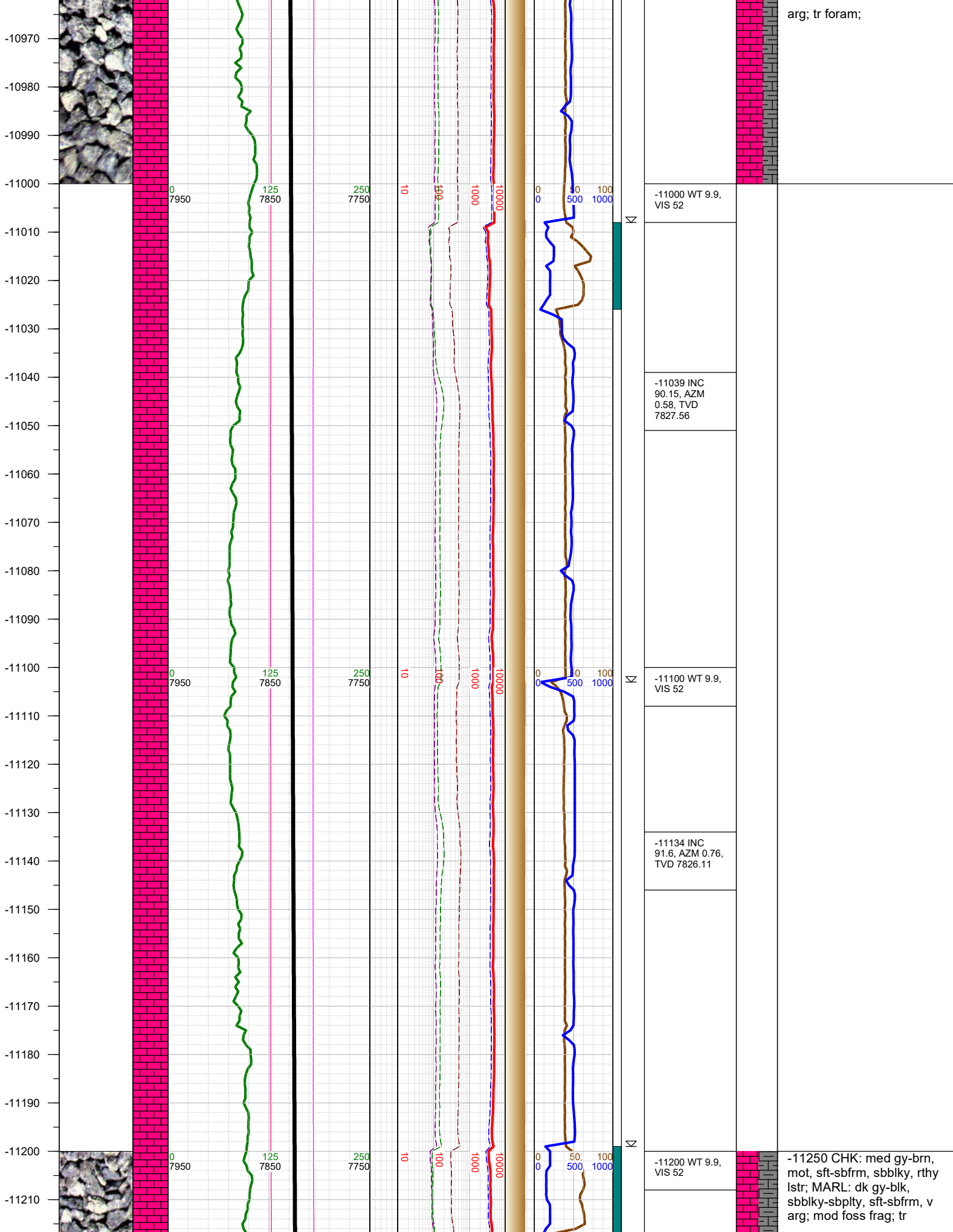




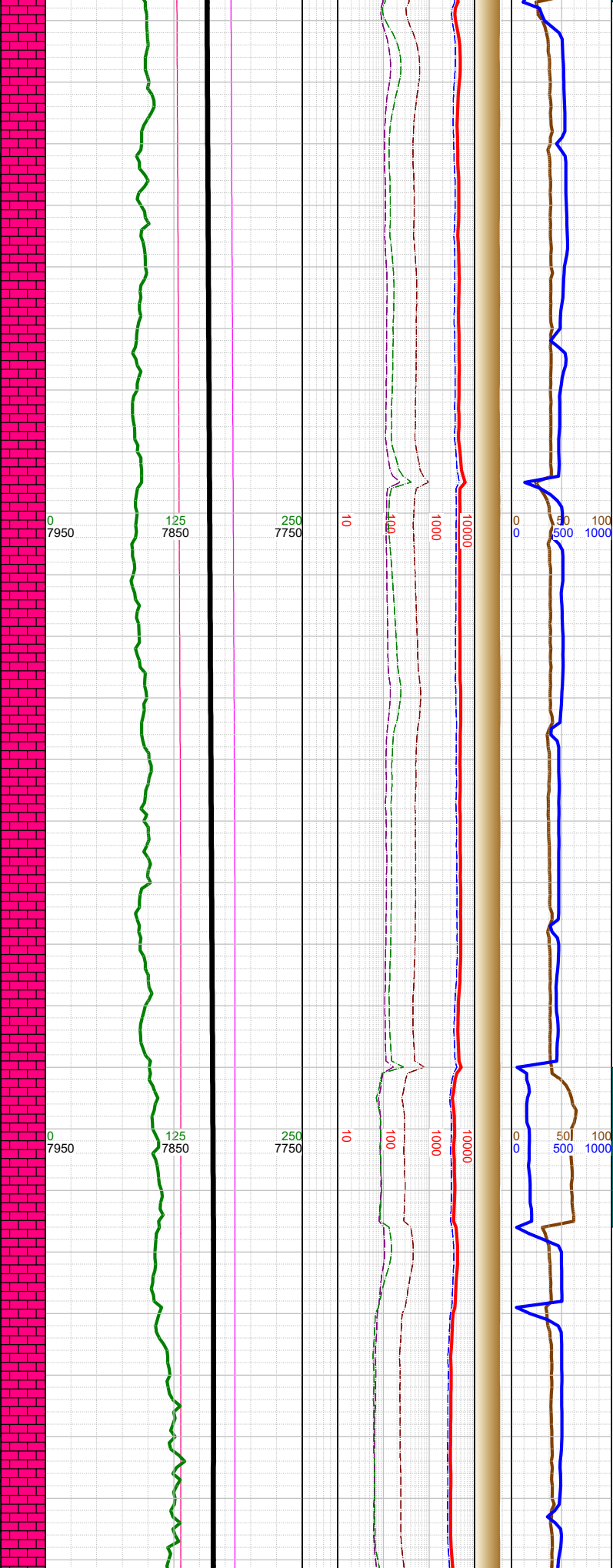








-11220
-11230
-11240
-11250
-11260
-11270
-11280
-11290
-11300
-11310
-11320
-11330
-11340
-11350
-11360
-11370
-11380
-11390
-11400
-11410
-11420
-11430
-11440
-11450
-11460
-11470



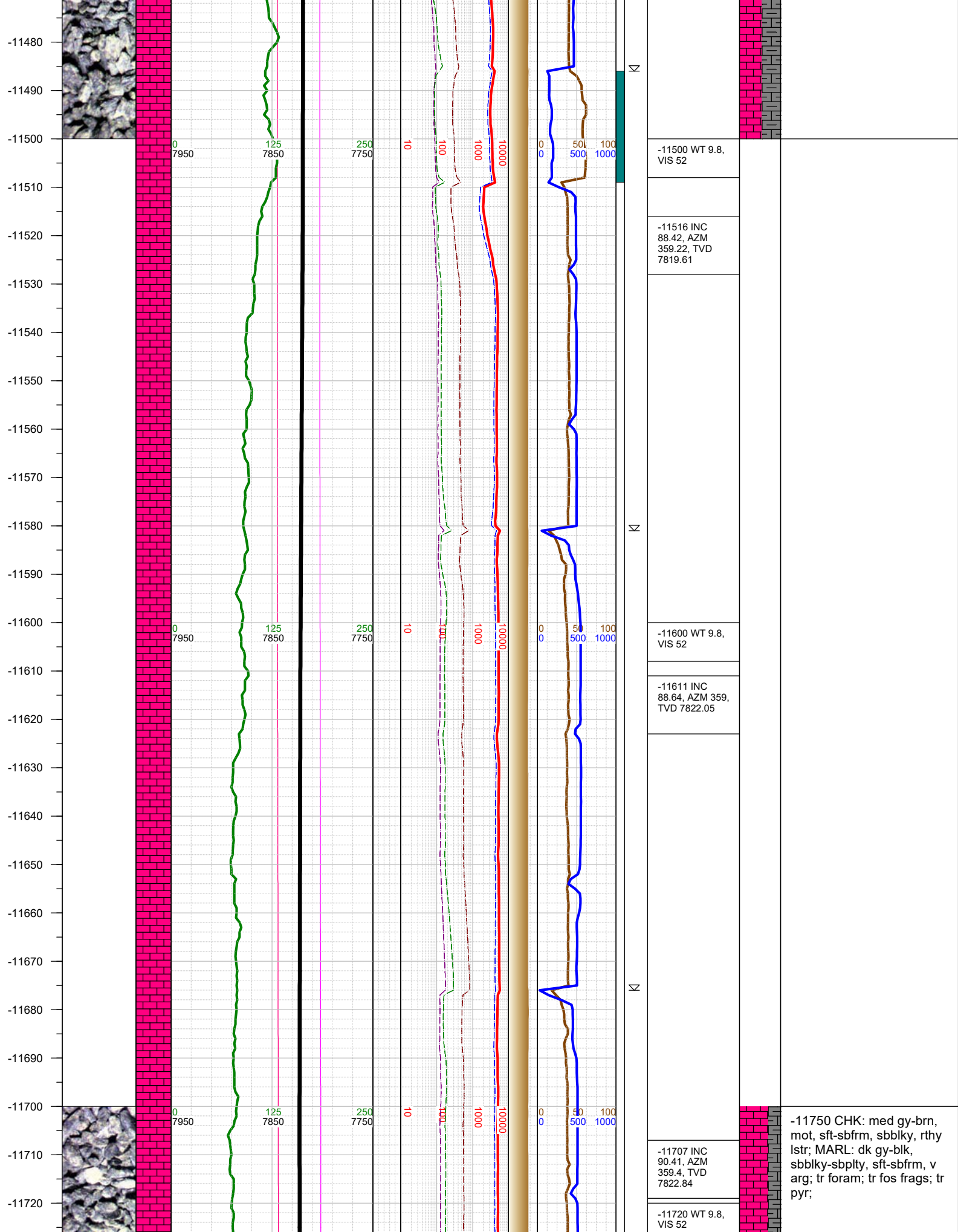
Σ

-11230 INC 90.94, AZM 359.75, TVD 7823.98	
-11300 WT 9.9, VIS 52	
-11325 INC 91.91, AZM 359.97, TVD 7821.62	
-11400 WT 9.8, VIS 52	
-11421 INC 91.03, AZM 357.85, TVD 7819.15	

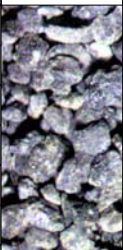
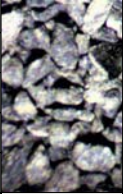


foram; tr pyr, tr bent;

-11500 CHK: med gy-brn,
mot, sft-sbfrm, sbblky, rthy
lstr; MARL: dk gy-blk,
sbblky-sbpity, sft-sbfrm, v
arg; mod foss frag; tr
foram; tr pyr, tr bent;



-11730
-11740
-11750
-11760
-11770
-11780
-11790
-11800
-11810
-11820
-11830
-11840
-11850
-11860
-11870
-11880
-11890
-11900
-11910
-11920
-11930
-11940
-11950
-11960
-11970
-11980



0
7950

125
7850

250
7750

10

100

1000

10000

0
0

50
500

100
1000

Σ

-11802 INC
91.12, AZM 1.2,
TVD 7821.57

-11820 WT 9.8,
VIS 52

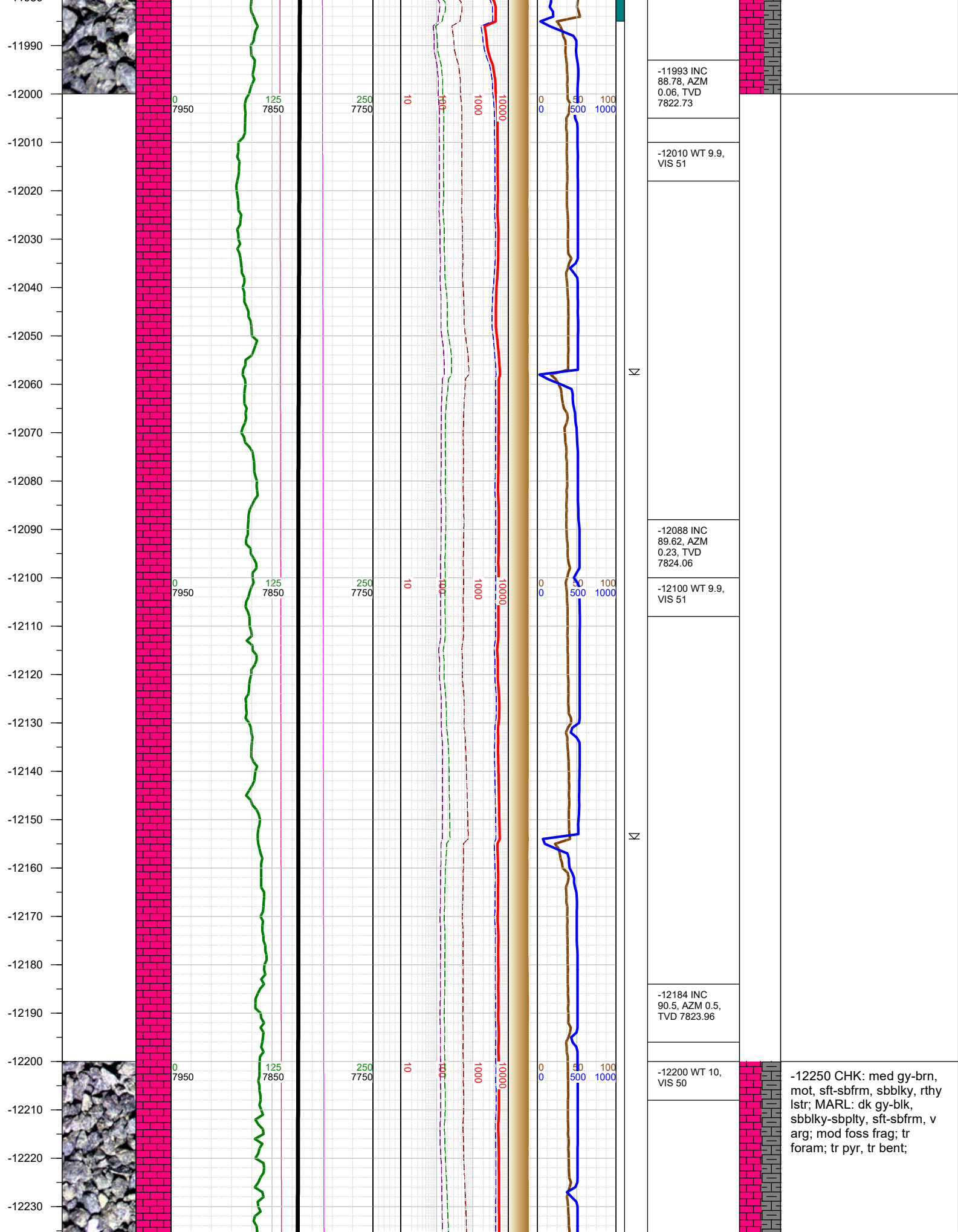
Σ

-11898 INC
89.35, AZM
358.87, TVD
7821.18

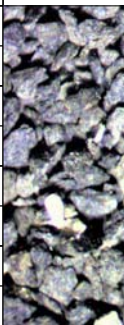
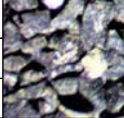
-11910 WT 9.9,
VIS 51

Σ

-12000 CHK: med gy-brn,
mot, sft-sbfrm, sbblky, rthy
lstr; MARL: dk gy-blk,
sbblky-sbplty, sft-sbfrm, v
arg; tr foram;



-12240
-12250
-12260
-12270
-12280
-12290
-12300
-12310
-12320
-12330
-12340
-12350
-12360
-12370
-12380
-12390
-12400
-12410
-12420
-12430
-12440
-12450
-12460
-12470
-12480
-12490



0
7950

125
7850

250
7750

10

100

1000

10000

0
0

50
500

100
1000

N

N

N

-12279 INC
88.07, AZM
1.69, TVD
7825.14

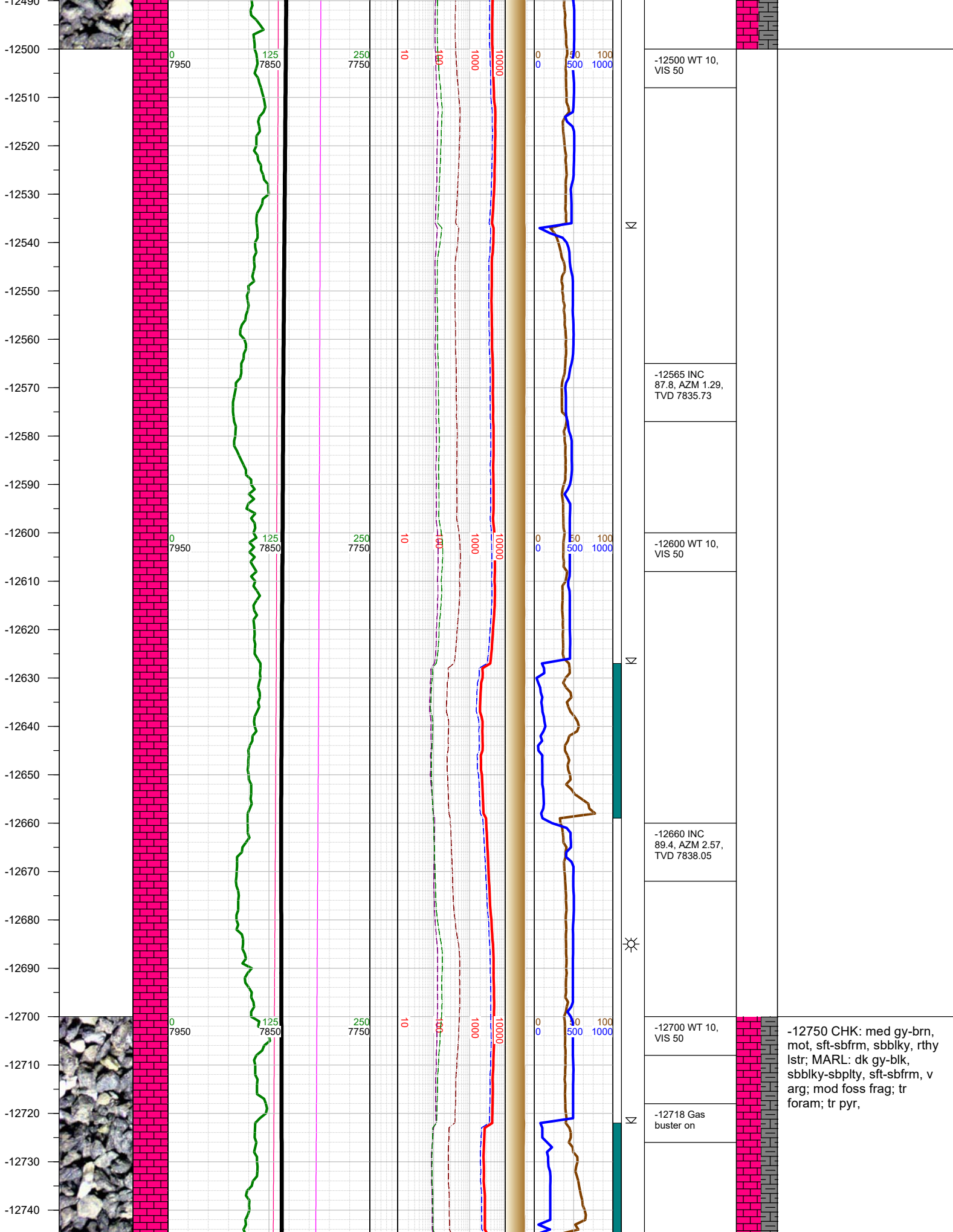
-12300 WT 10,
VIS 50

-12375 INC
87.72, AZM 1.6,
TVD 7828.67

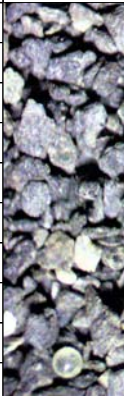
-12400 WT 10,
VIS 50

-12470 INC
87.98, AZM
1.33, TVD
7832.23

-12500 CHK: med gy-brn,
mot, sft-sbfrm, sbbkly, rthy
lstr; MARL: dk gy-blk,
sbbkly-sbplty, sft-sbfrm, v
arg; mod foss frag; tr
foram; tr pyr,



-12750
-12760
-12770
-12780
-12790
-12800
-12810
-12820
-12830
-12840
-12850
-12860
-12870
-12880
-12890
-12900
-12910
-12920
-12930
-12940
-12950
-12960
-12970
-12980
-12990



0
7950

125
7850

250
7750

10

100

1000

10000

0
0

50
500

100
1000

N

☀

N

▣

-12756 INC
91.52, AZM
1.03, TVD
7837.28

-12800 WT 10,
VIS 50

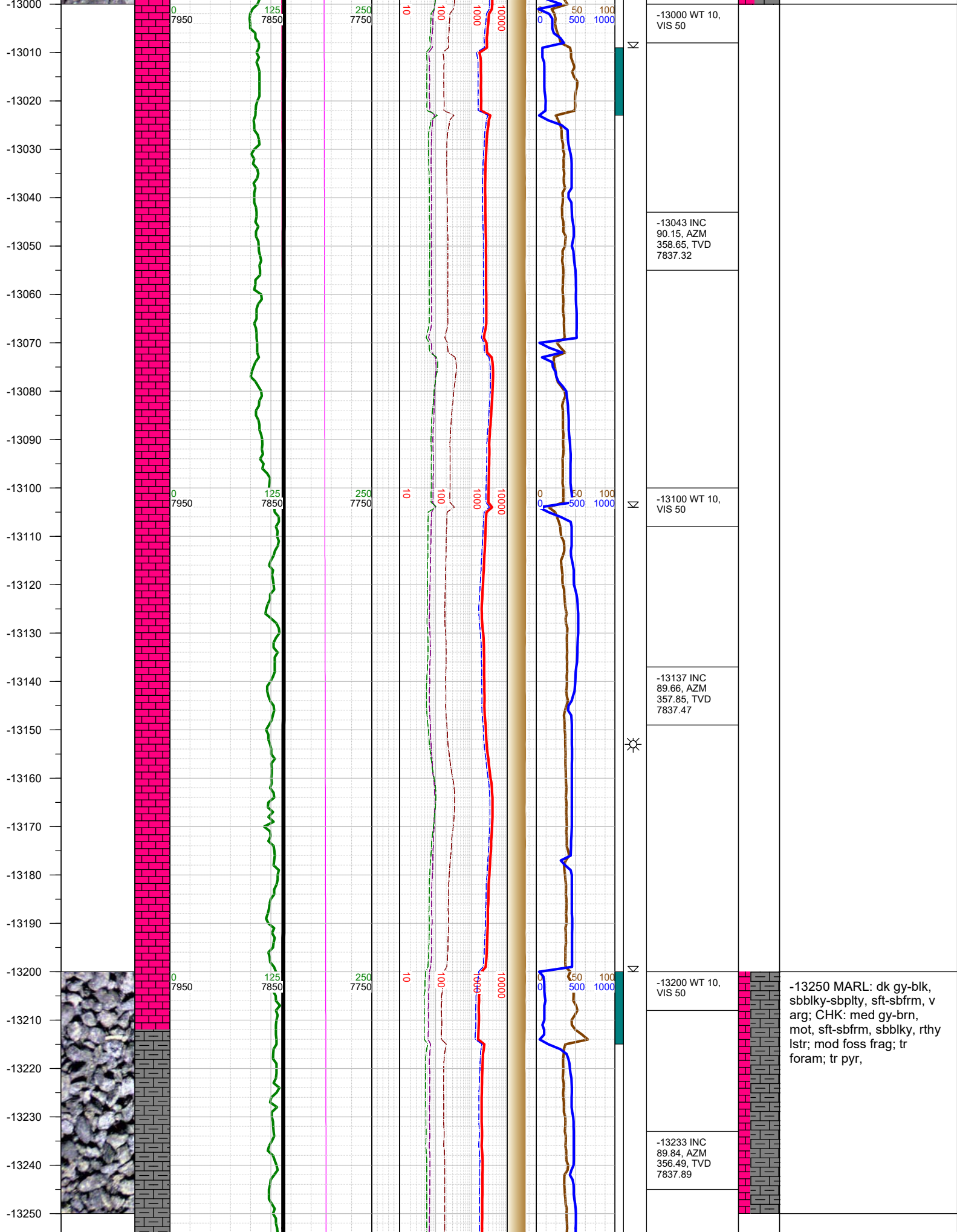
-12851 INC
90.06, AZM
358.95, TVD
7835.97

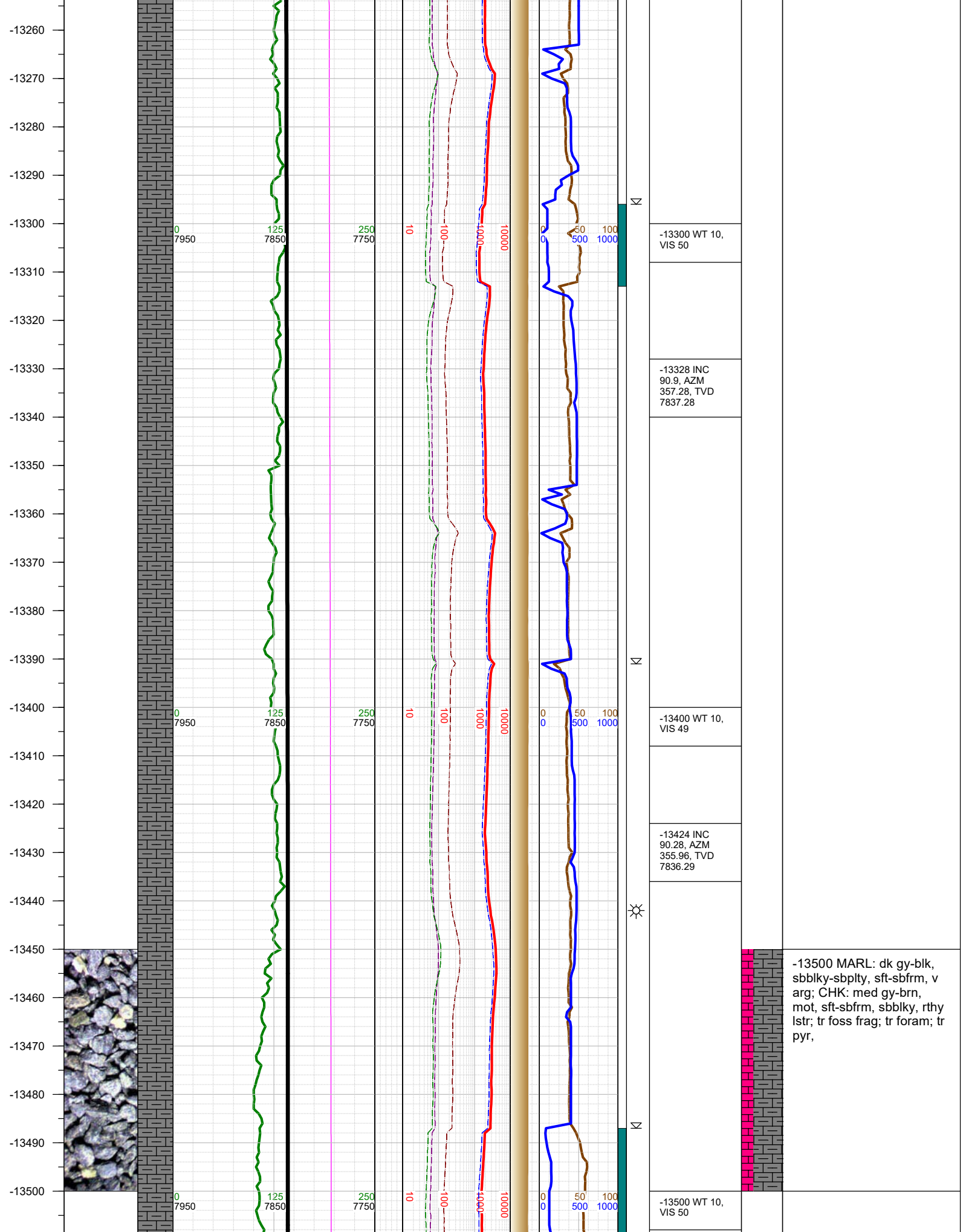
-12900 WT 10,
VIS 50

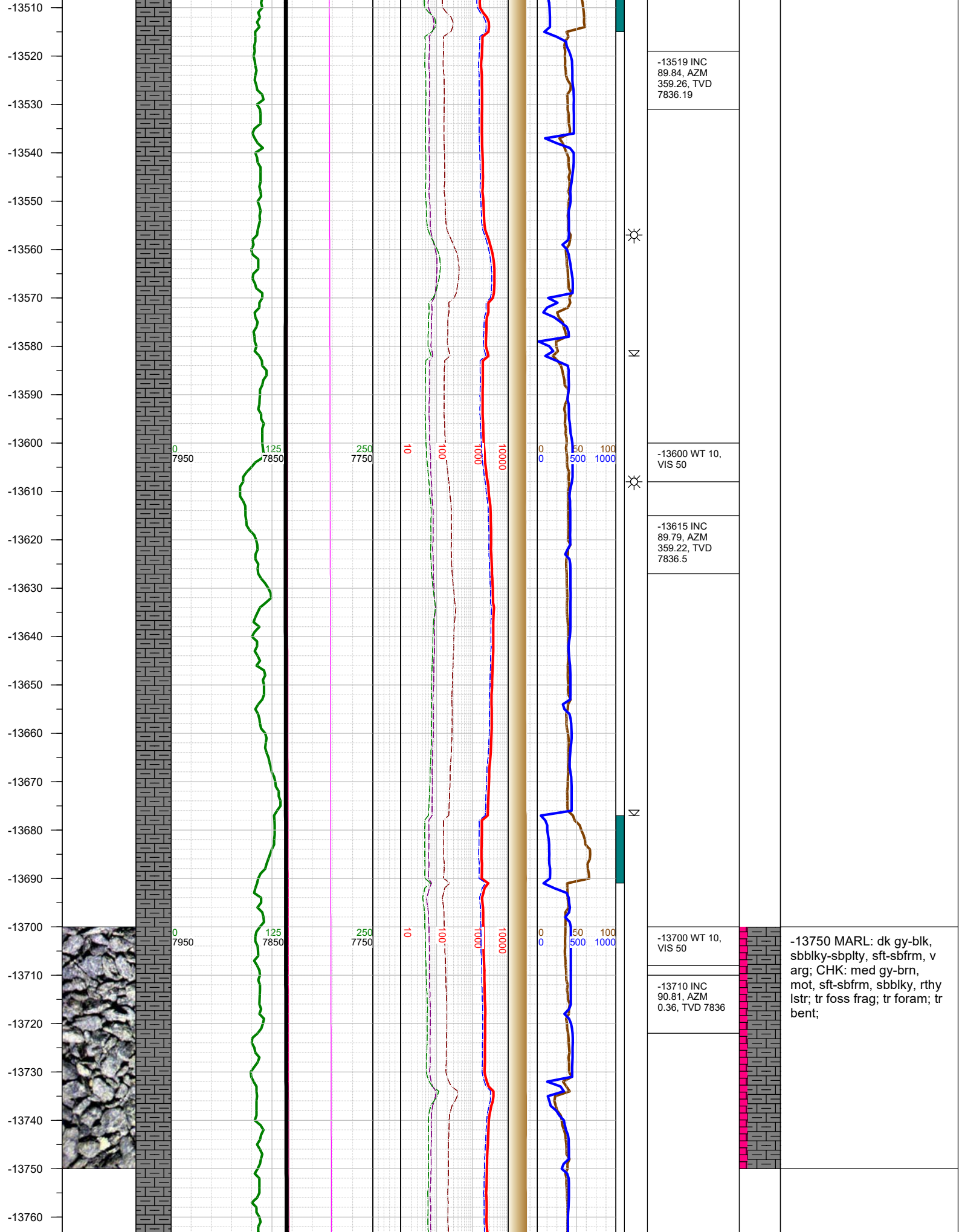
-12947 INC
89.09, AZM 359,
TVD 7836.68

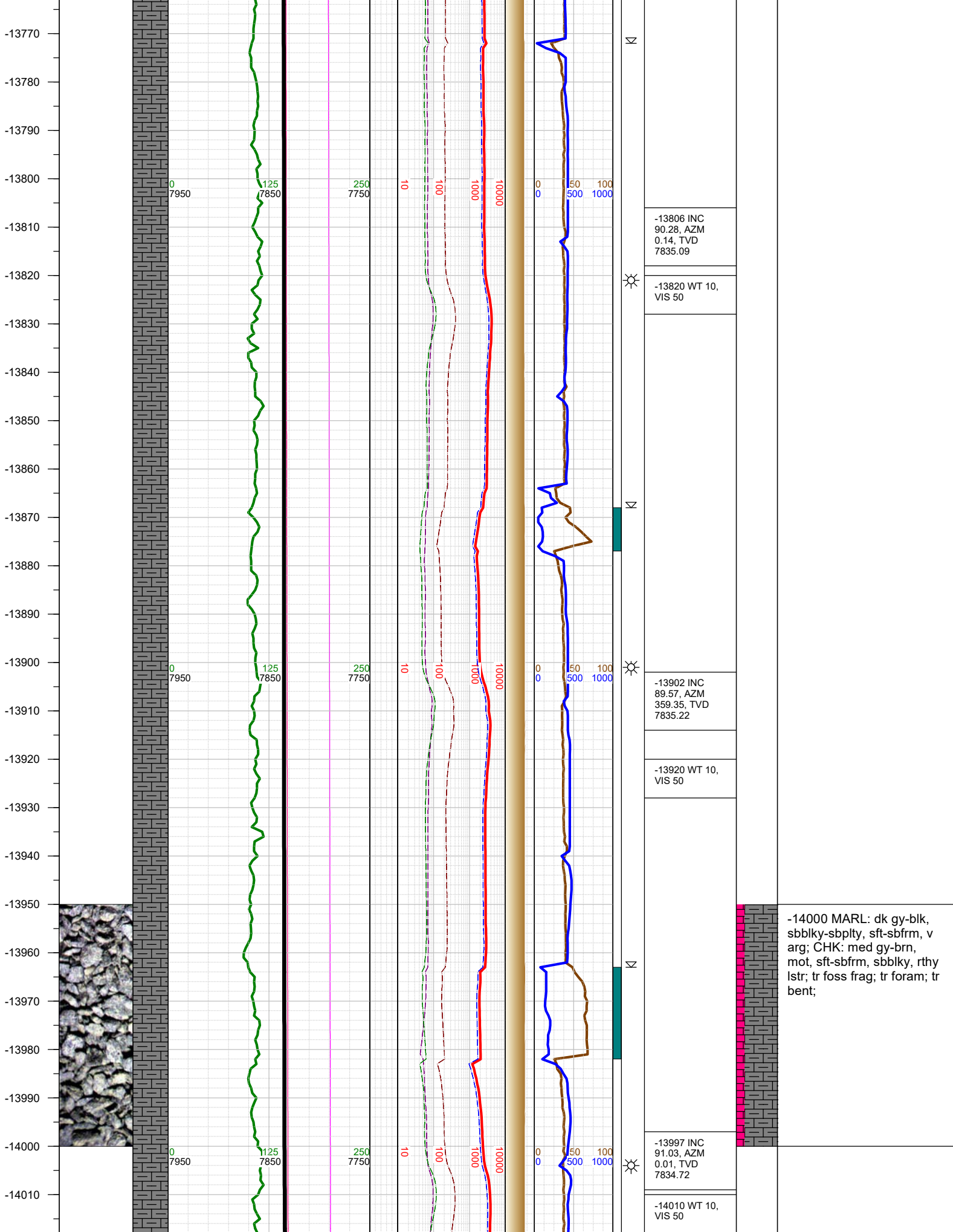
-12981 Fault:
10' up-throw;
stayed in B2
Chalk

-13000 MARL: dk gy-blk,
sbbiky-sbplty, sft-sbfrm, v
arg; CHK: med gy-brn,
mot, sft-sbfrm, sbbiky, rthy
lstr; mod foss frag; tr
pyr,

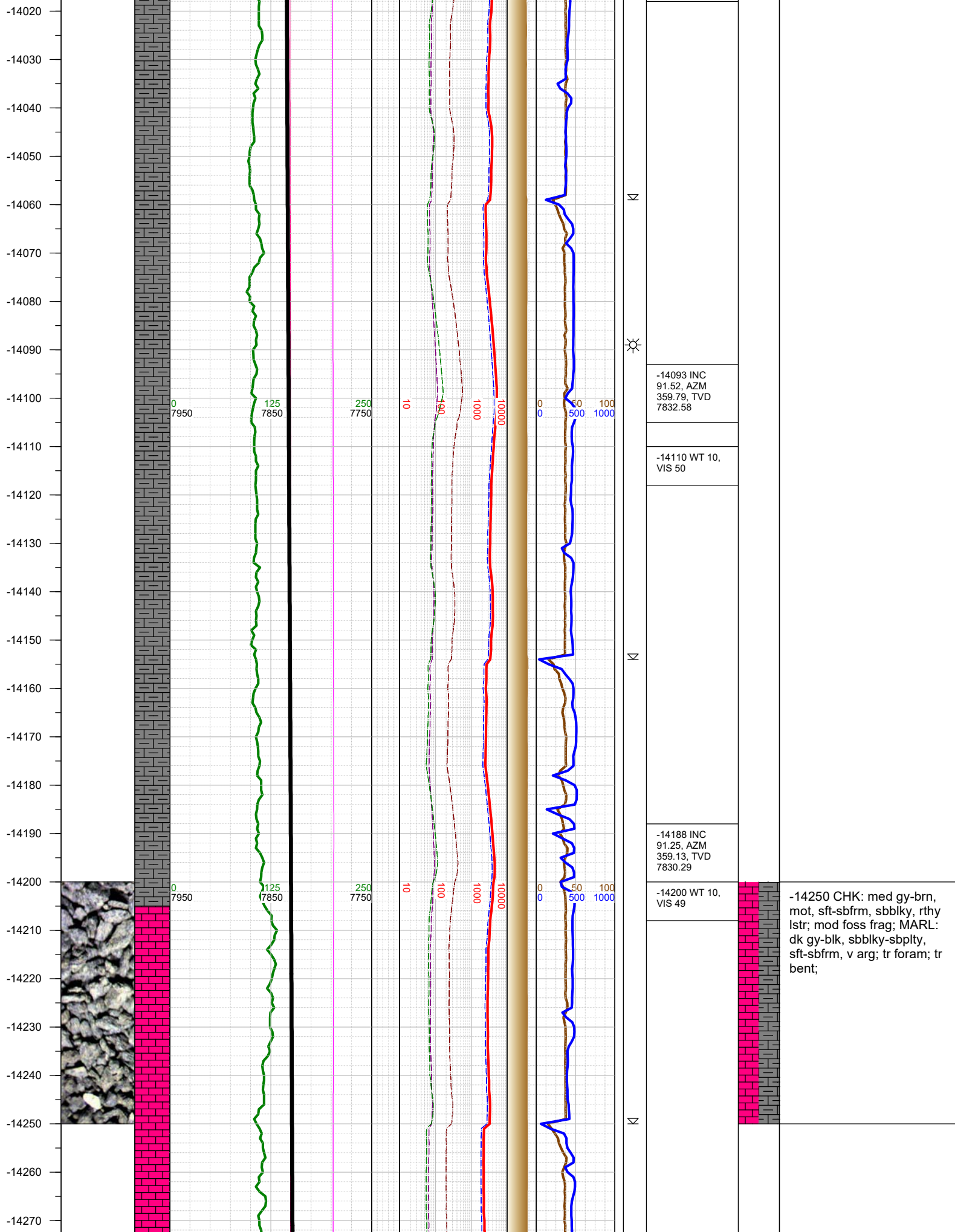


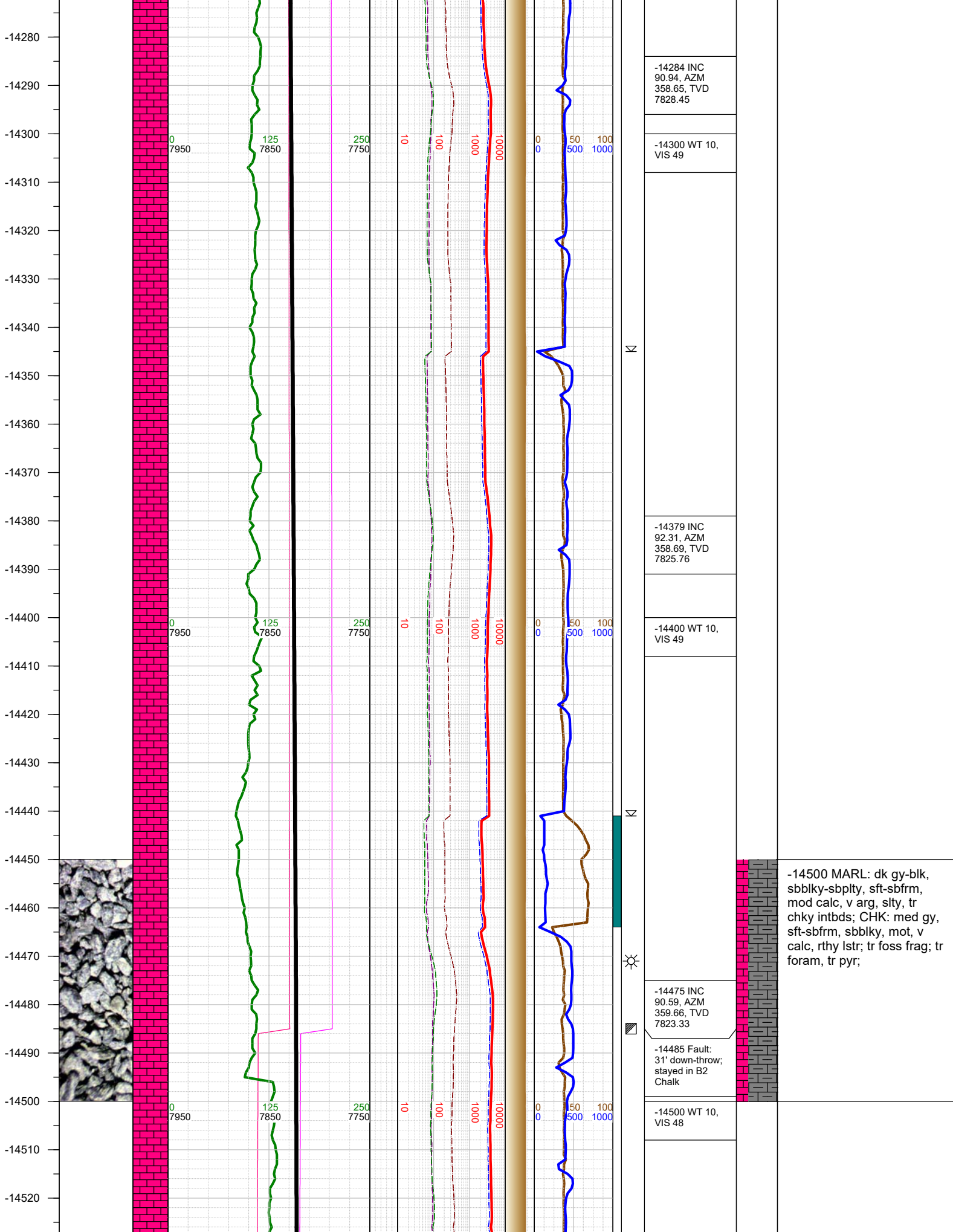






-14000 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v arg; CHK: med gy-brn, mot, sft-sbfrm, sbblky, rthy lstr; tr foss frag; tr foram; tr bent;





-14284 INC
90.94, AZM
358.65, TVD
7828.45

-14300 WT 10,
VIS 49

-14379 INC
92.31, AZM
358.69, TVD
7825.76

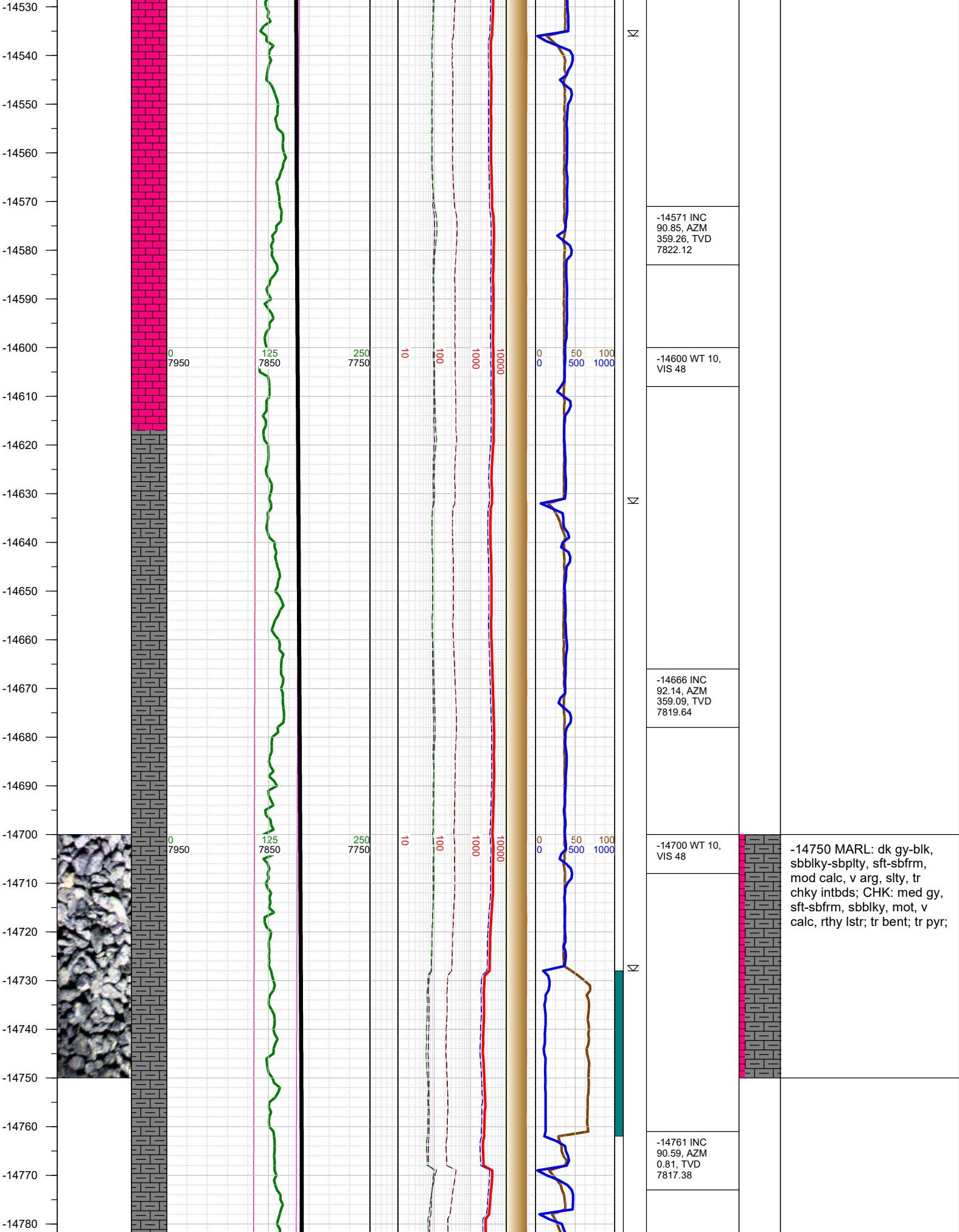
-14400 WT 10,
VIS 49

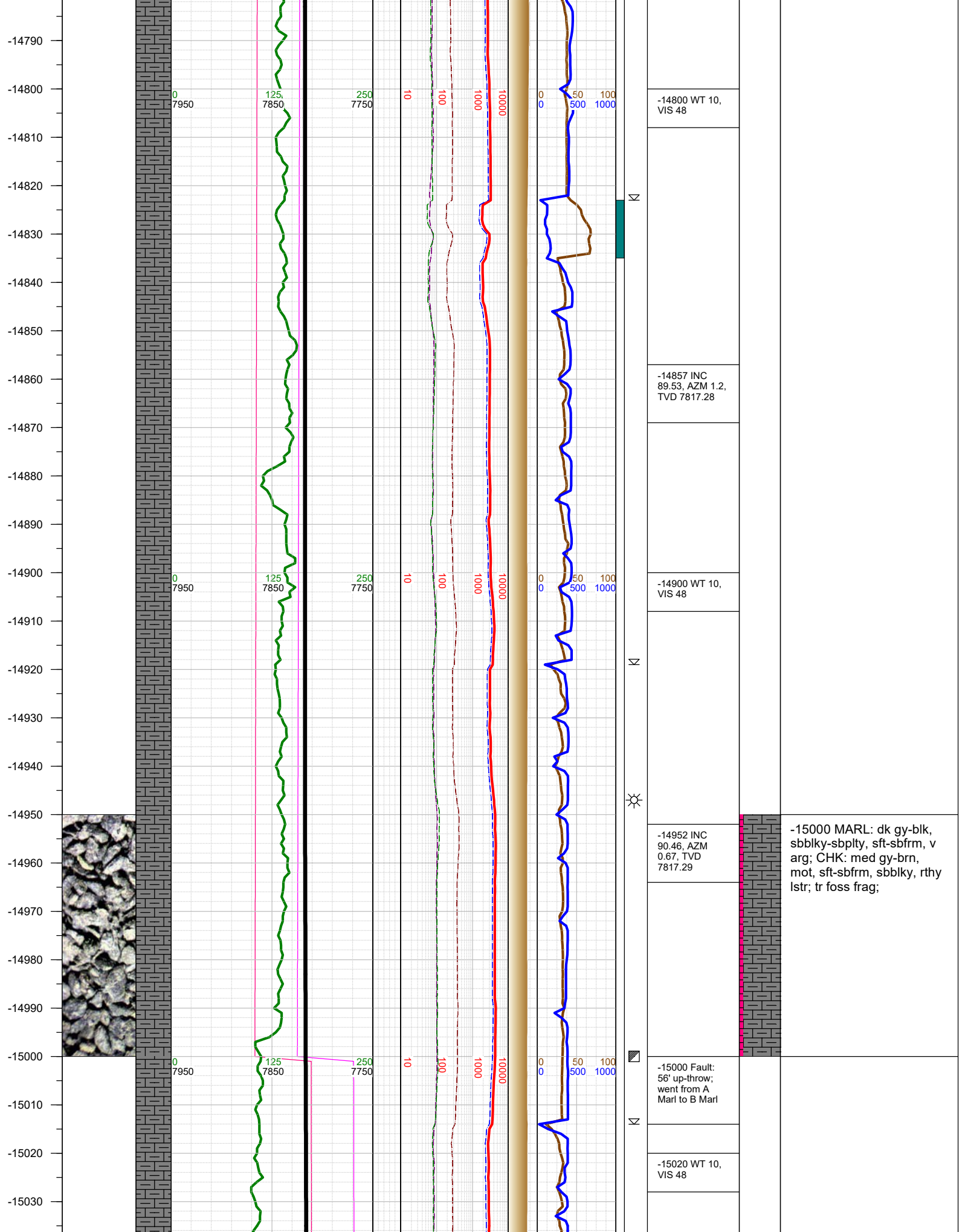
-14500 MARL: dk gy-blk,
sbbly-sbpity, sft-sbfrm,
mod calc, v arg, slty, tr
chky intbds; CHK: med gy,
sft-sbfrm, sbbly, mot, v
calc, rthy lstr; tr foss frag; tr
foram, tr pyr;

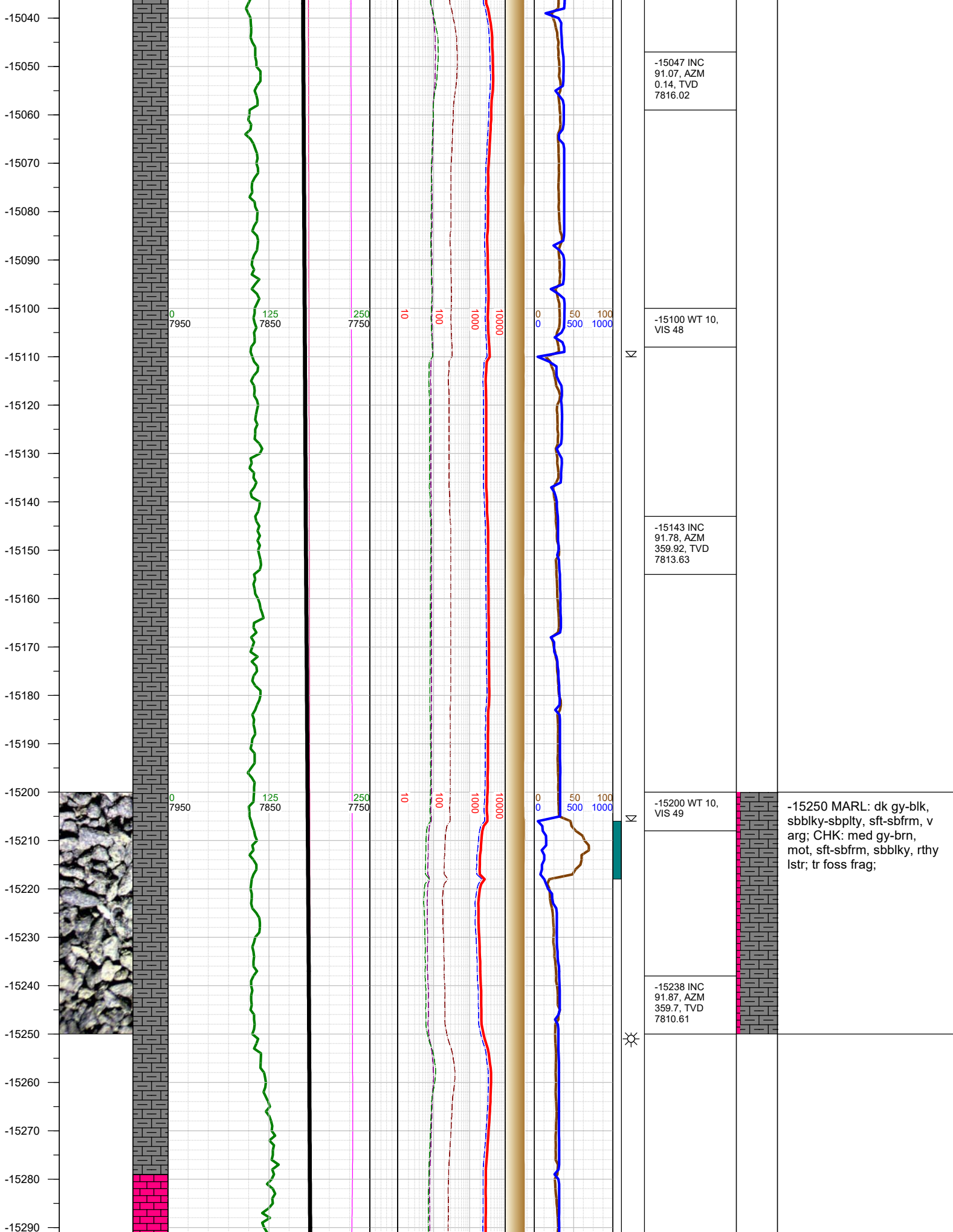
-14475 INC
90.59, AZM
359.66, TVD
7823.33

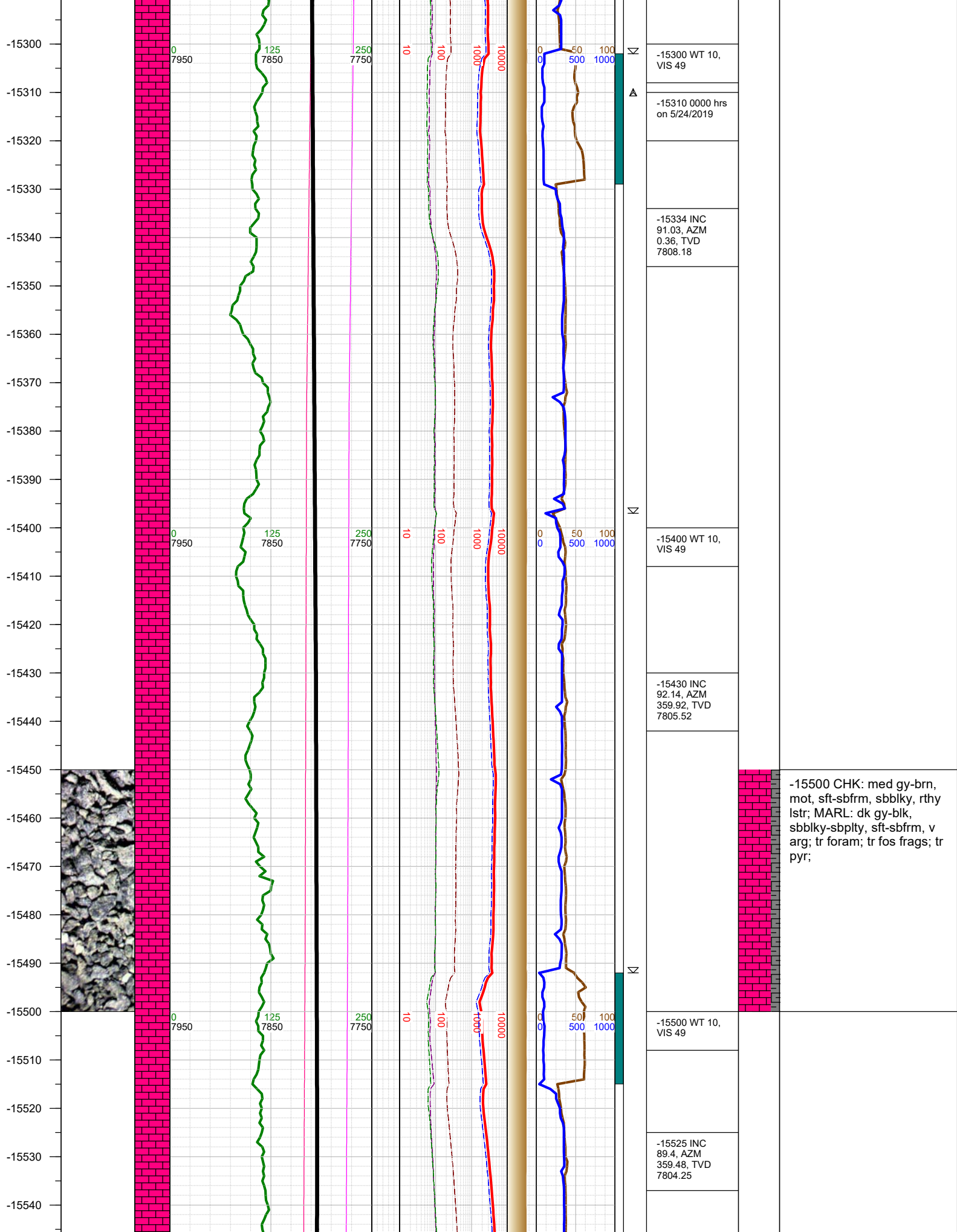
-14485 Fault:
31' down-throw;
stayed in B2
Chalk

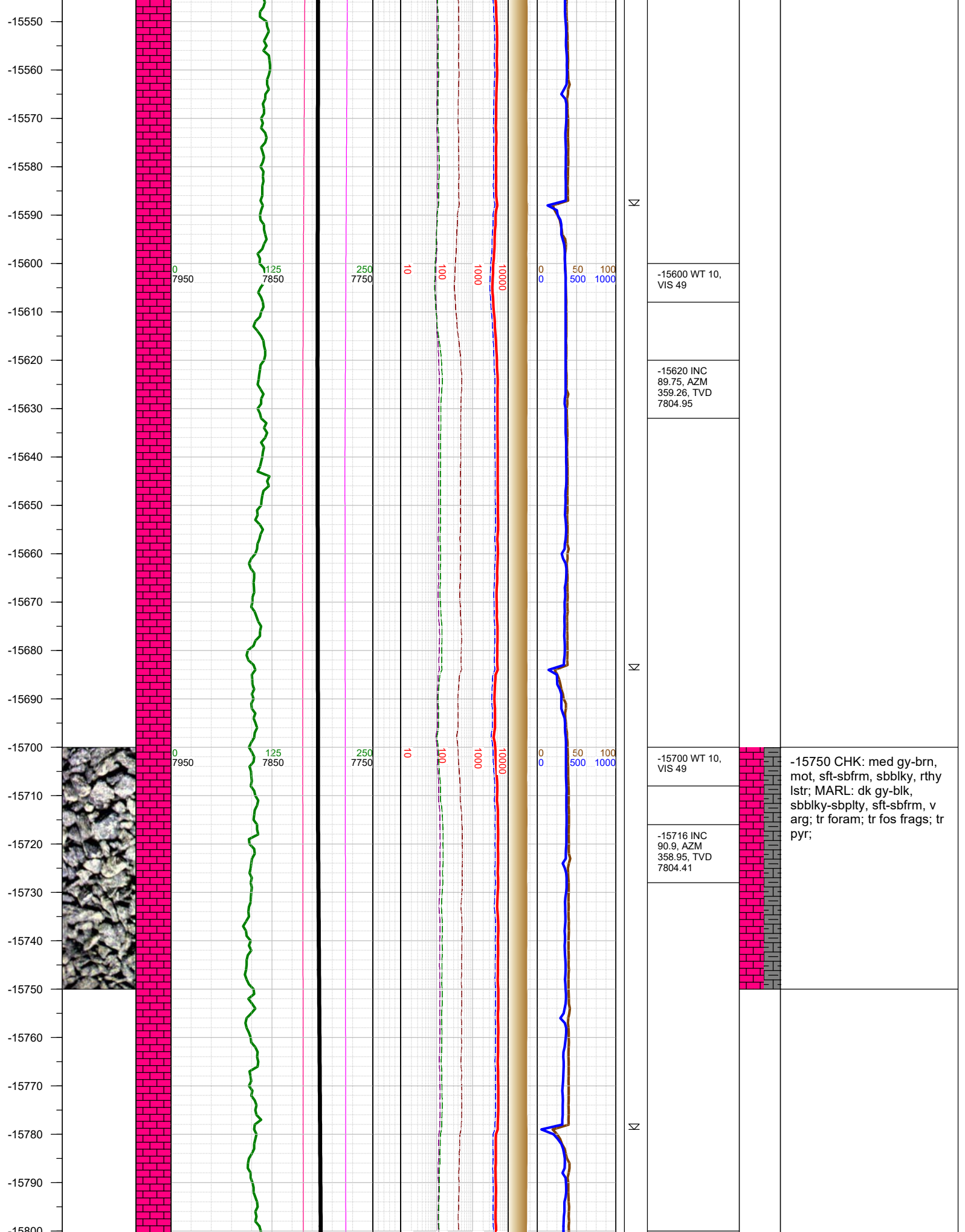
-14500 WT 10,
VIS 48

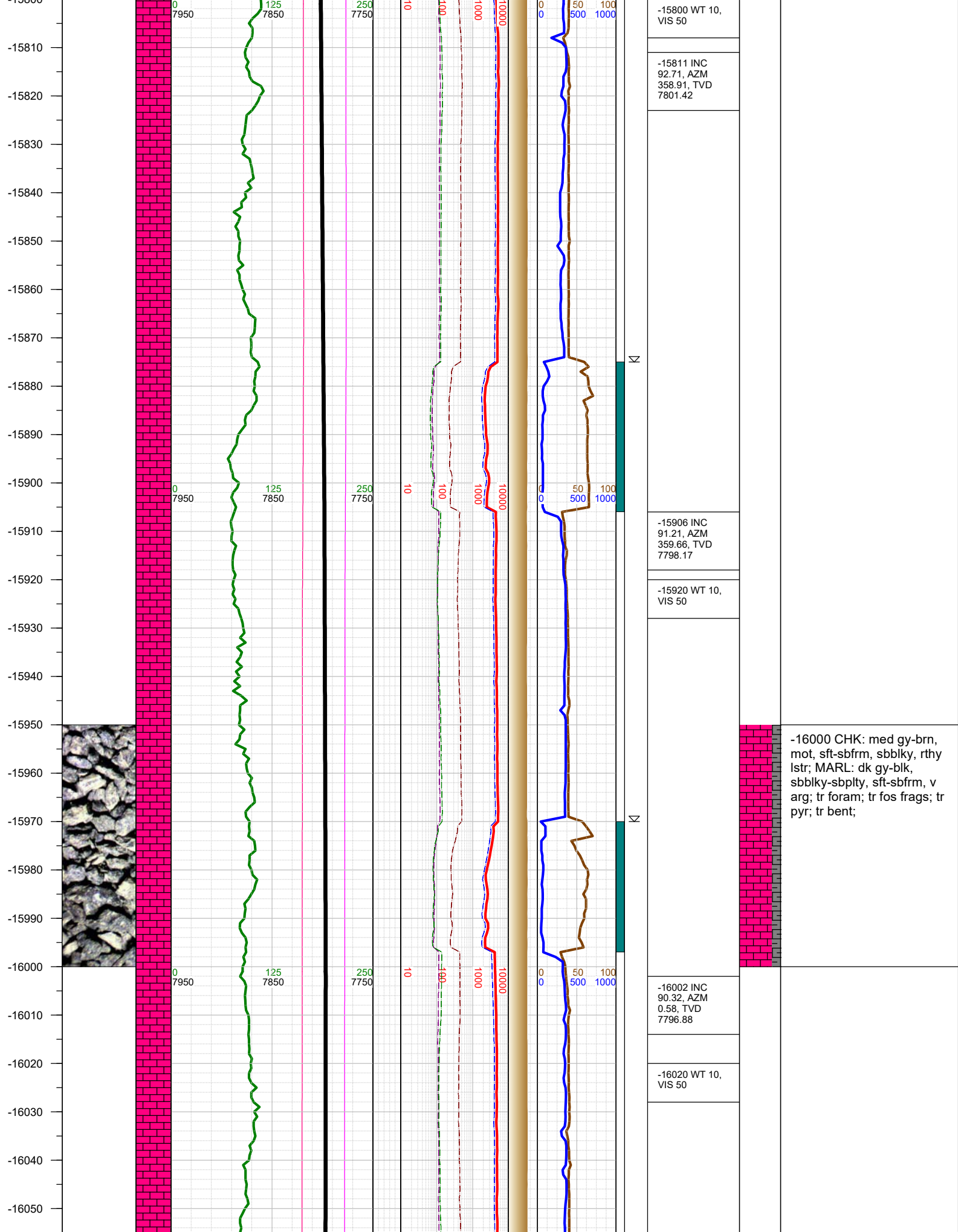


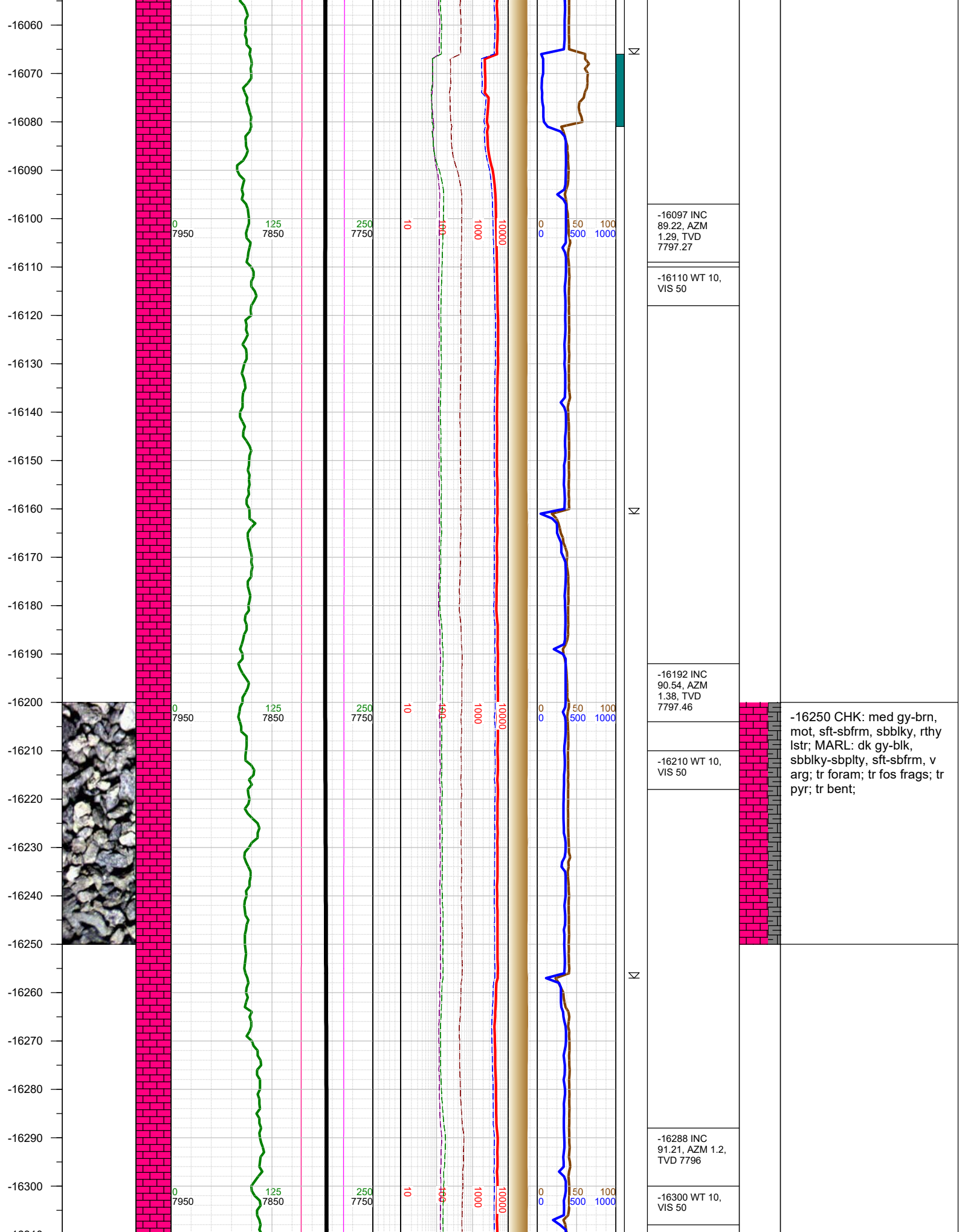


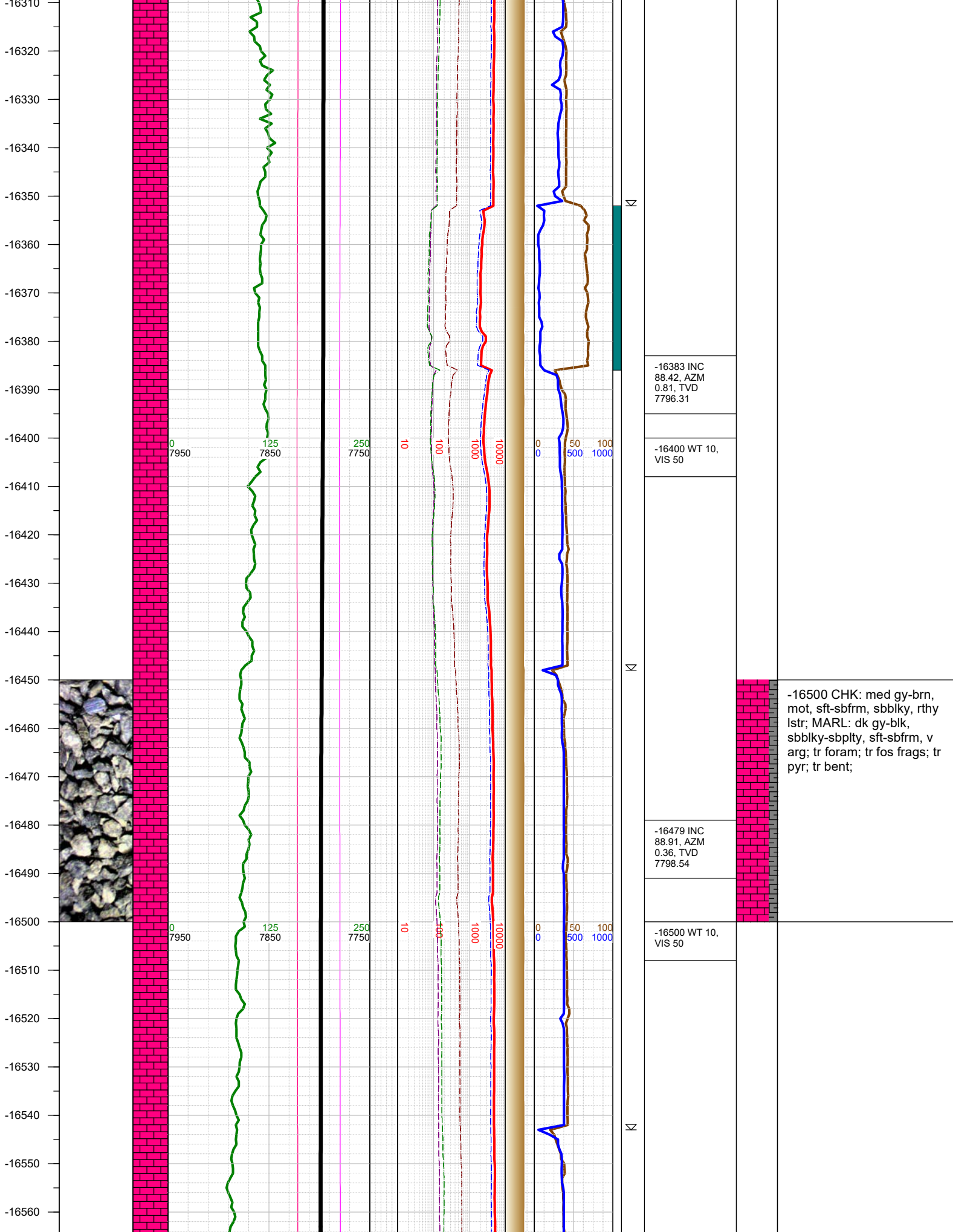






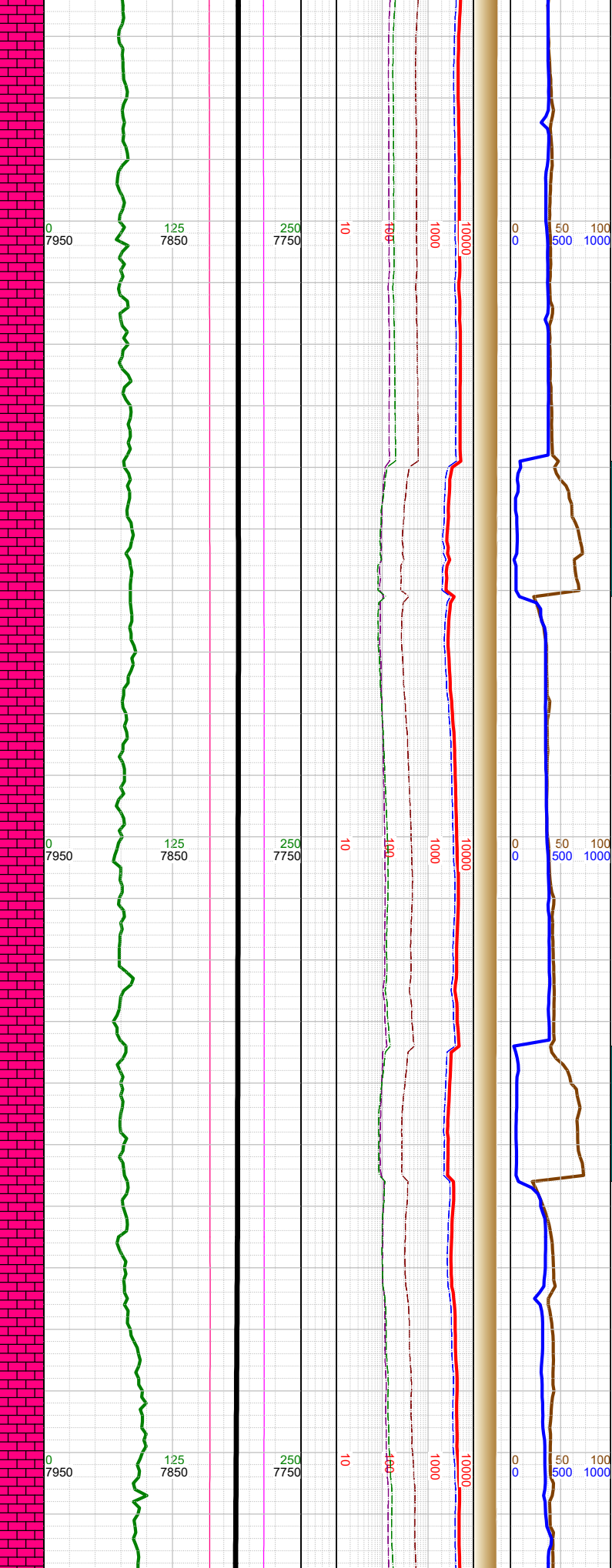




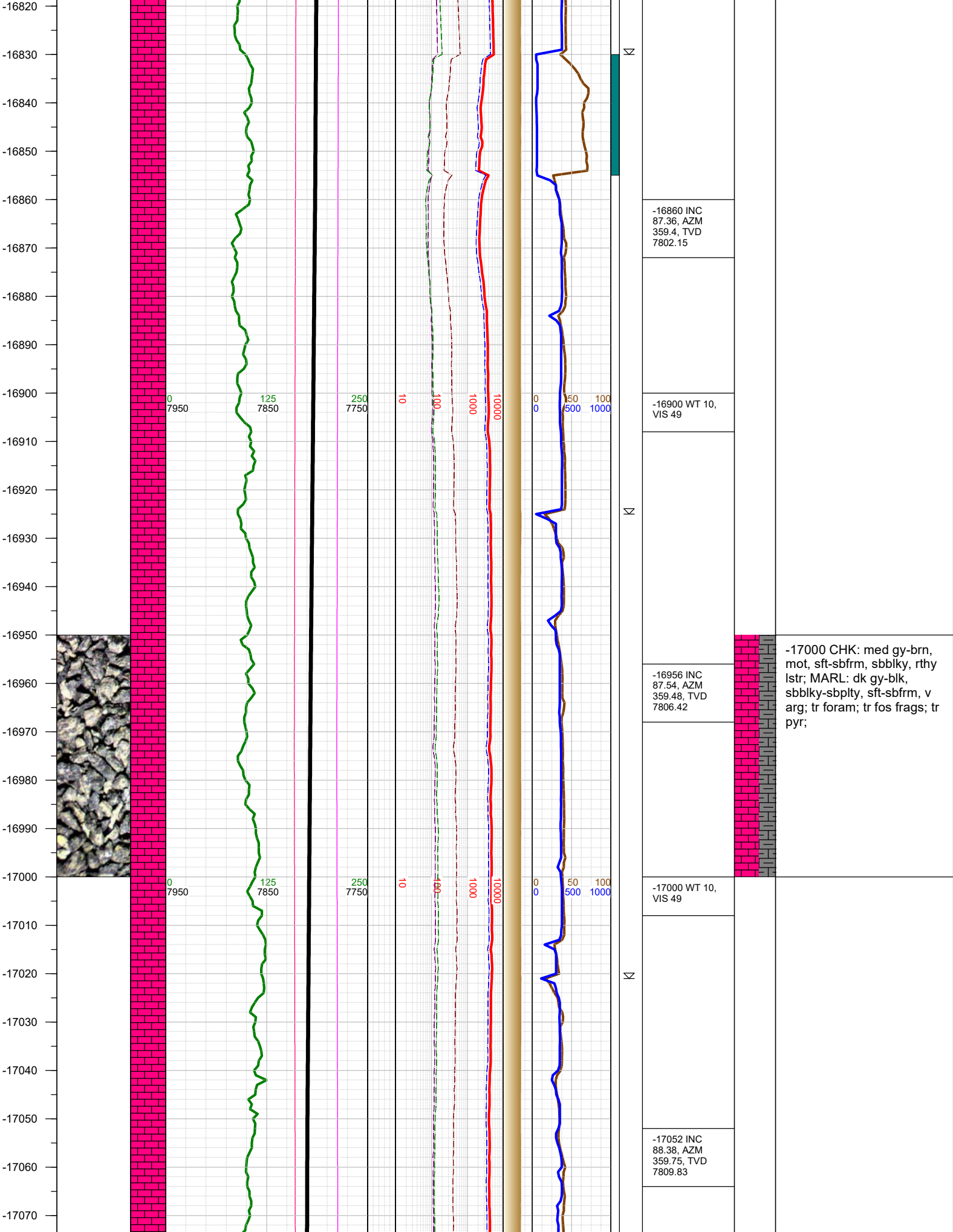


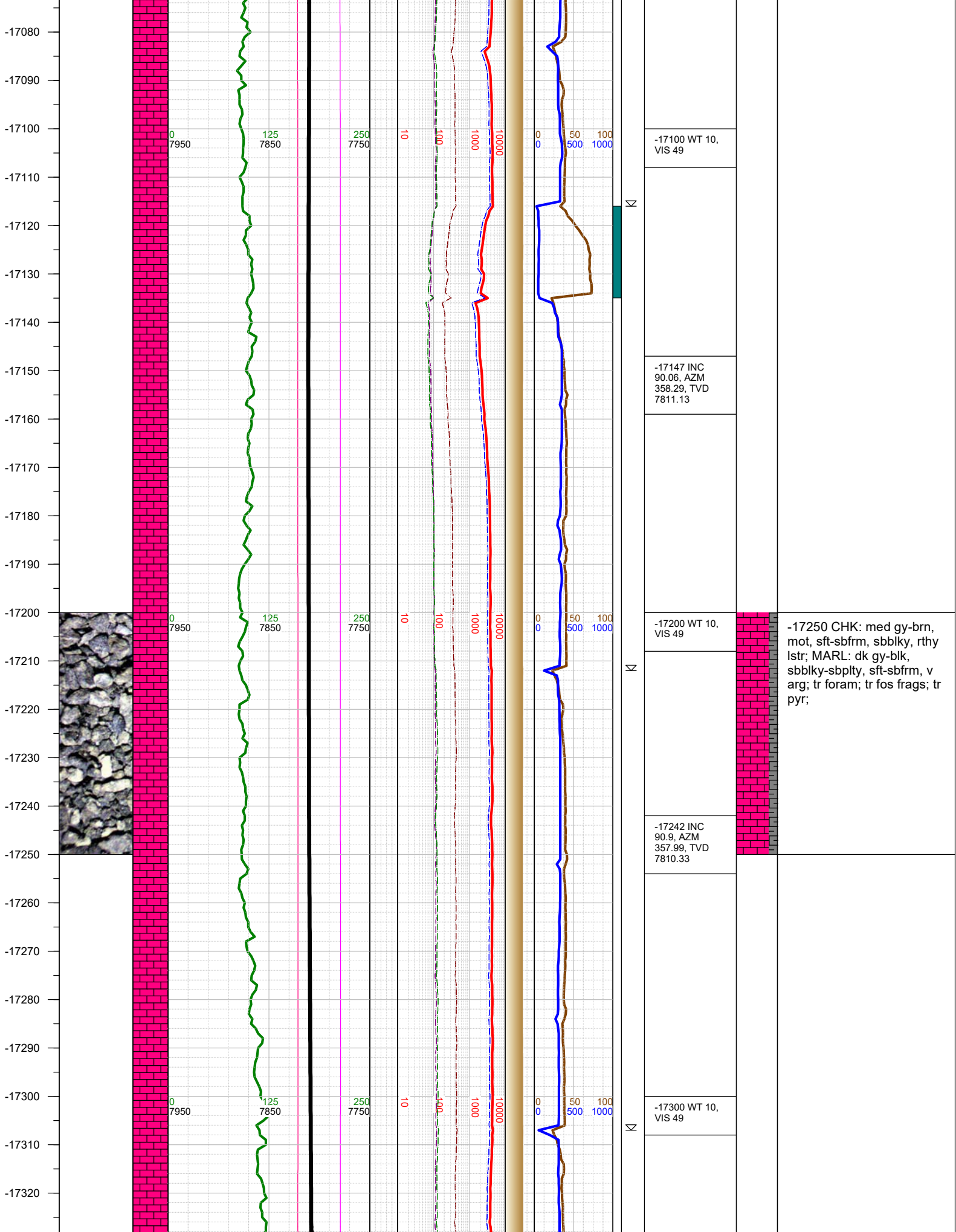
-16500 CHK: med gy-brn, mot, sft-sbfrm, sbblky, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v arg; tr foram; tr fos frags; tr pyr; tr bent;

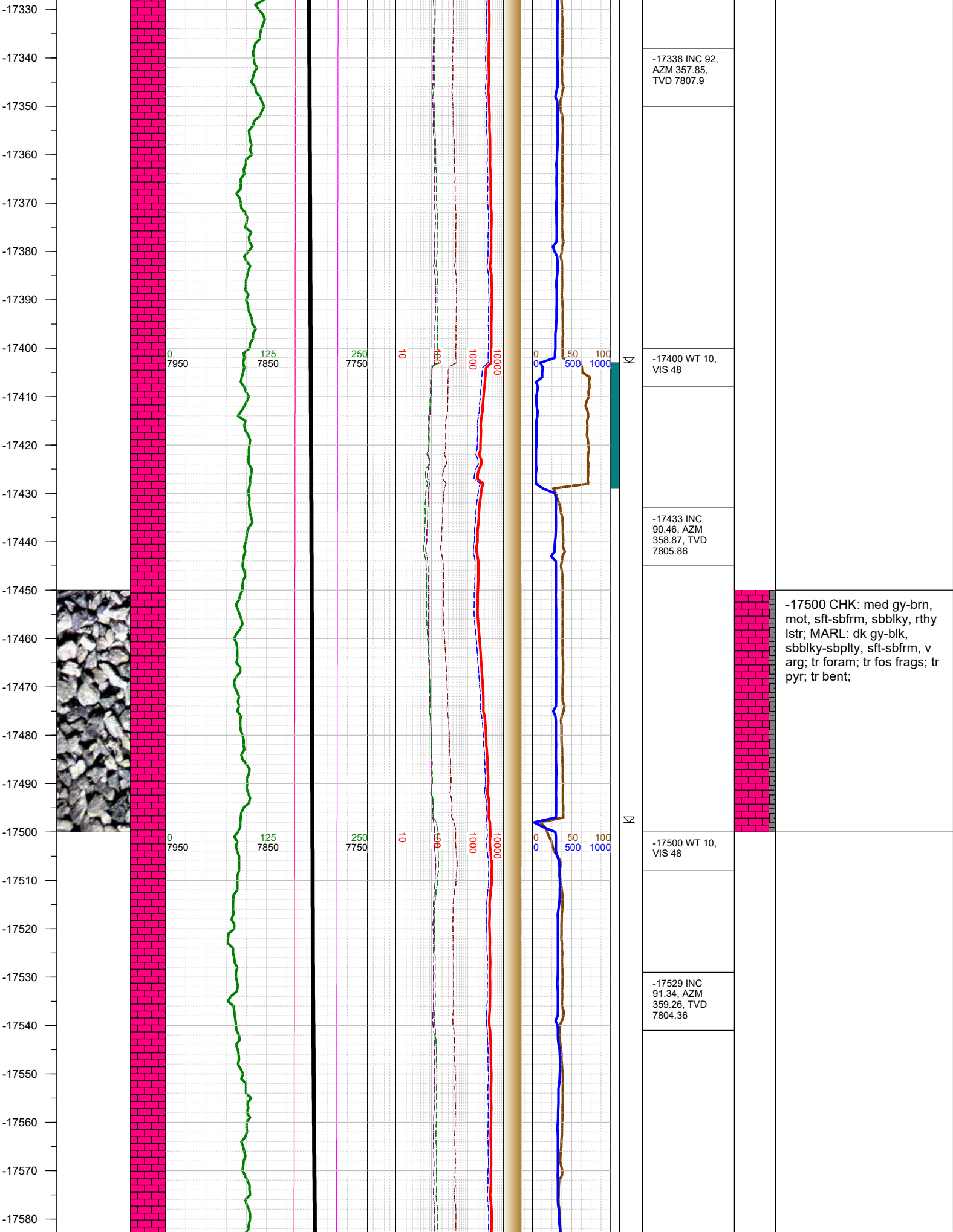
-16570
-16580
-16590
-16600
-16610
-16620
-16630
-16640
-16650
-16660
-16670
-16680
-16690
-16700
-16710
-16720
-16730
-16740
-16750
-16760
-16770
-16780
-16790
-16800
-16810

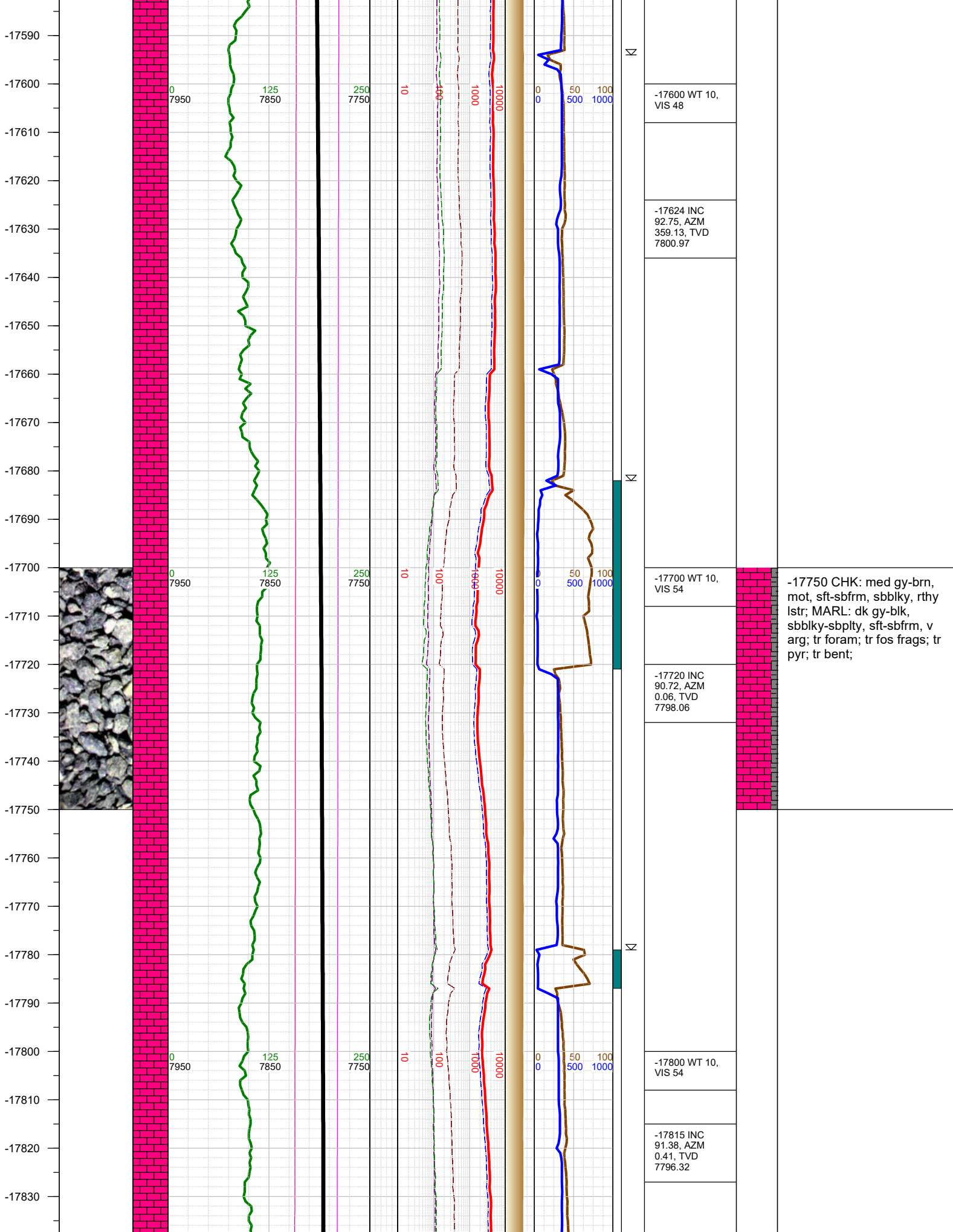


-16574 INC 90.63, AZM 0.58, TVD 7798.92	
-16600 WT 10, VIS 50	
-16670 INC 89.53, AZM 1.25, TVD 7798.79	
-16700 WT 10, VIS 50	-16750 CHK: med gy-brn, mot, sft-sbfrm, sbbiky, rthy lstr; MARL: dk gy-blk, sbbiky-sbpity, sft-sbfrm, v arg; tr foram; tr fos frags; tr pyr; tr bent;
-16765 INC 89.53, AZM 0.76, TVD 7799.57	
-16800 WT 10, VIS 50	

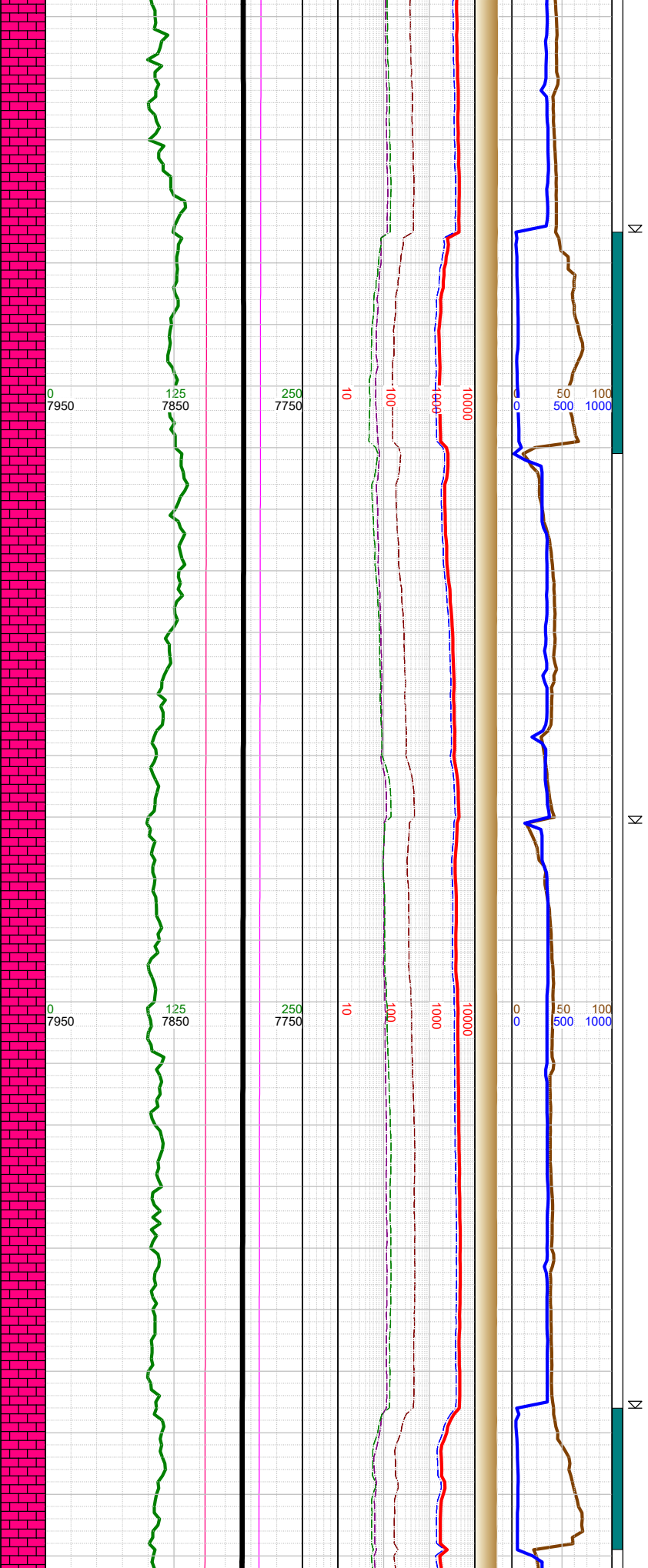




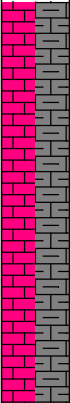




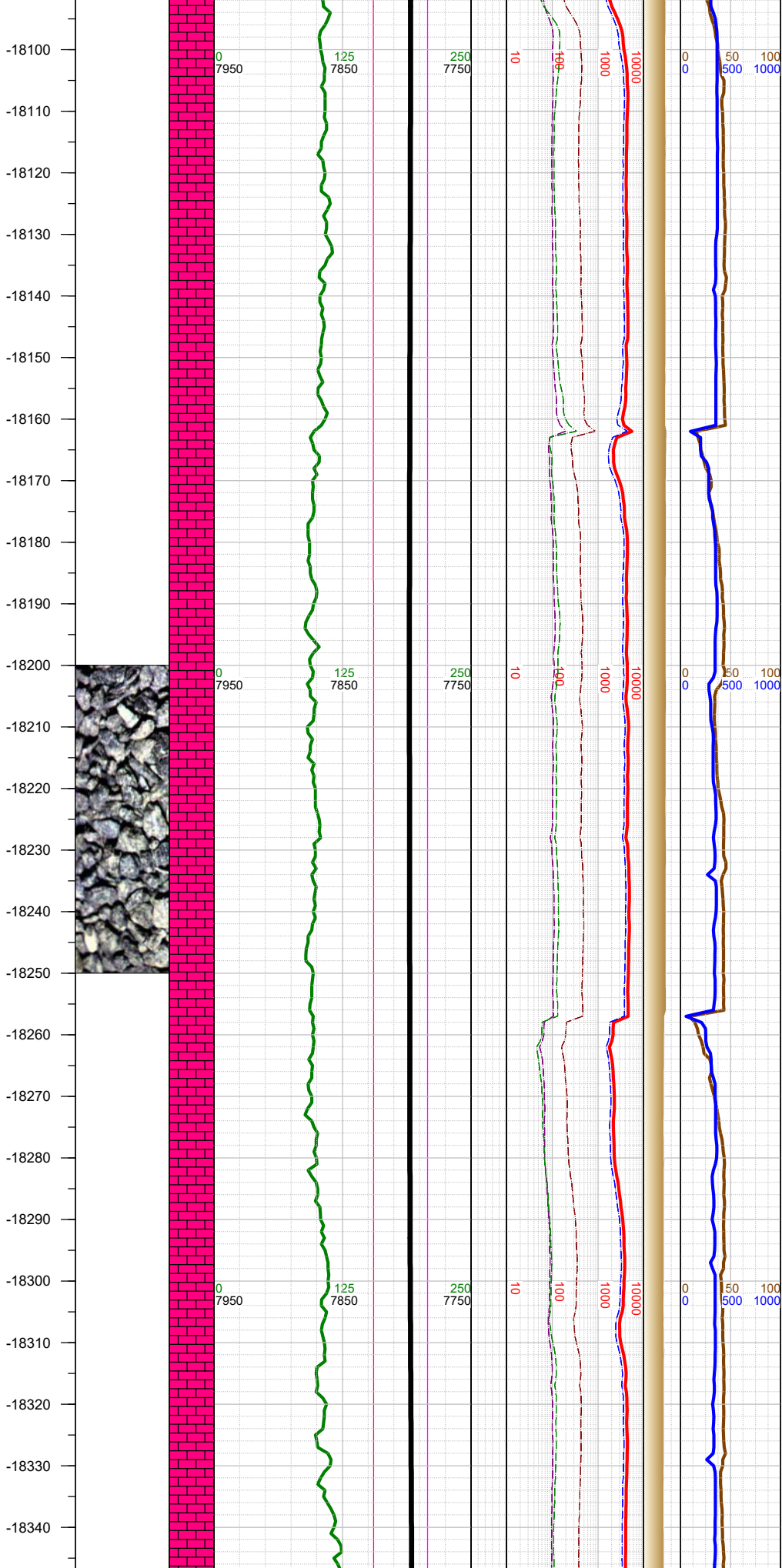
-17840
-17850
-17860
-17870
-17880
-17890
-17900
-17910
-17920
-17930
-17940
-17950
-17960
-17970
-17980
-17990
-18000
-18010
-18020
-18030
-18040
-18050
-18060
-18070
-18080
-18090

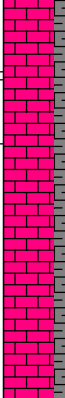


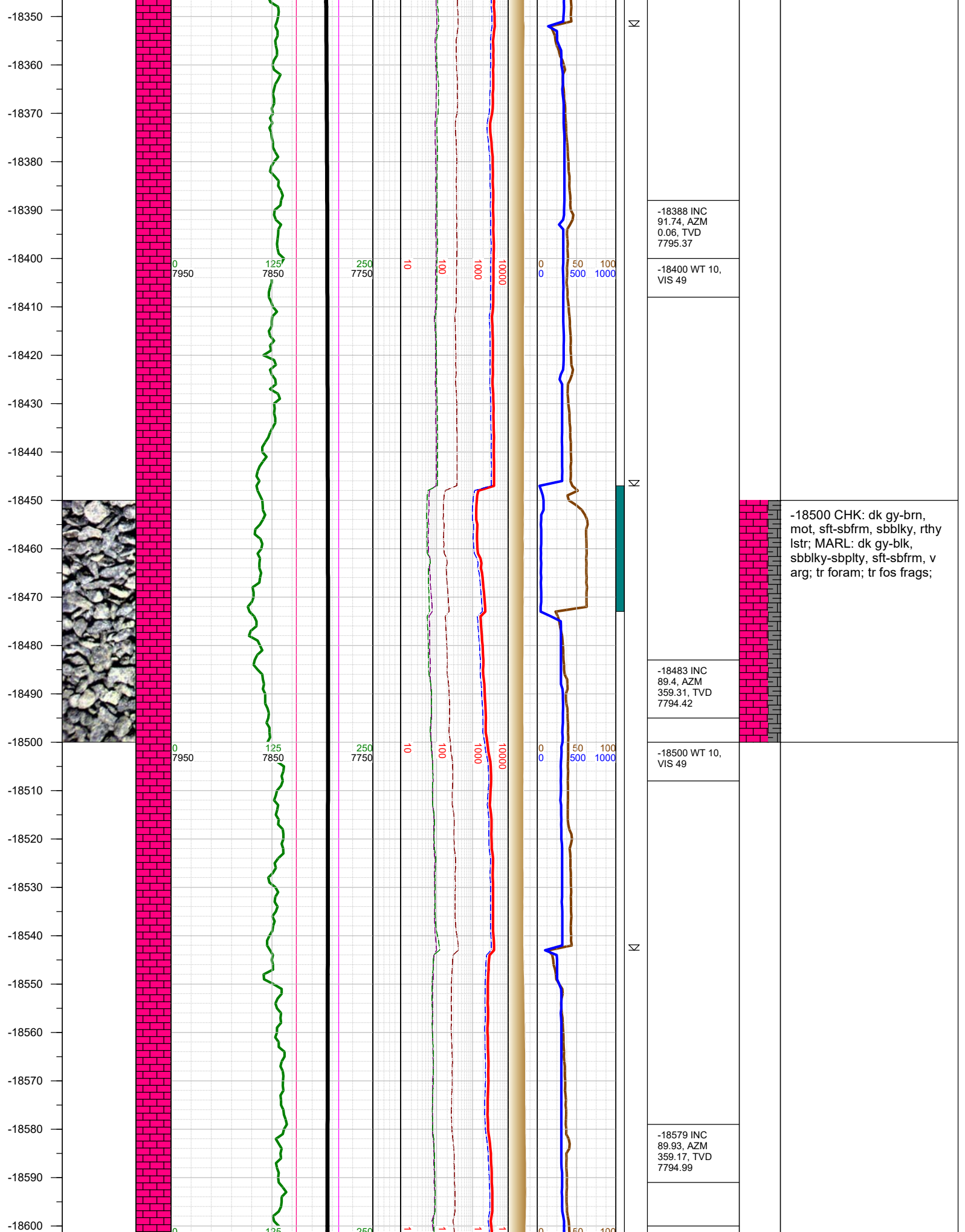
	-17900 WT 10, VIS 54
	-17911 INC 89.22, AZM 1.07, TVD 7795.82
	-18006 INC 90.01, AZM 0.76, TVD 7796.45
	-18020 WT 10, VIS 54

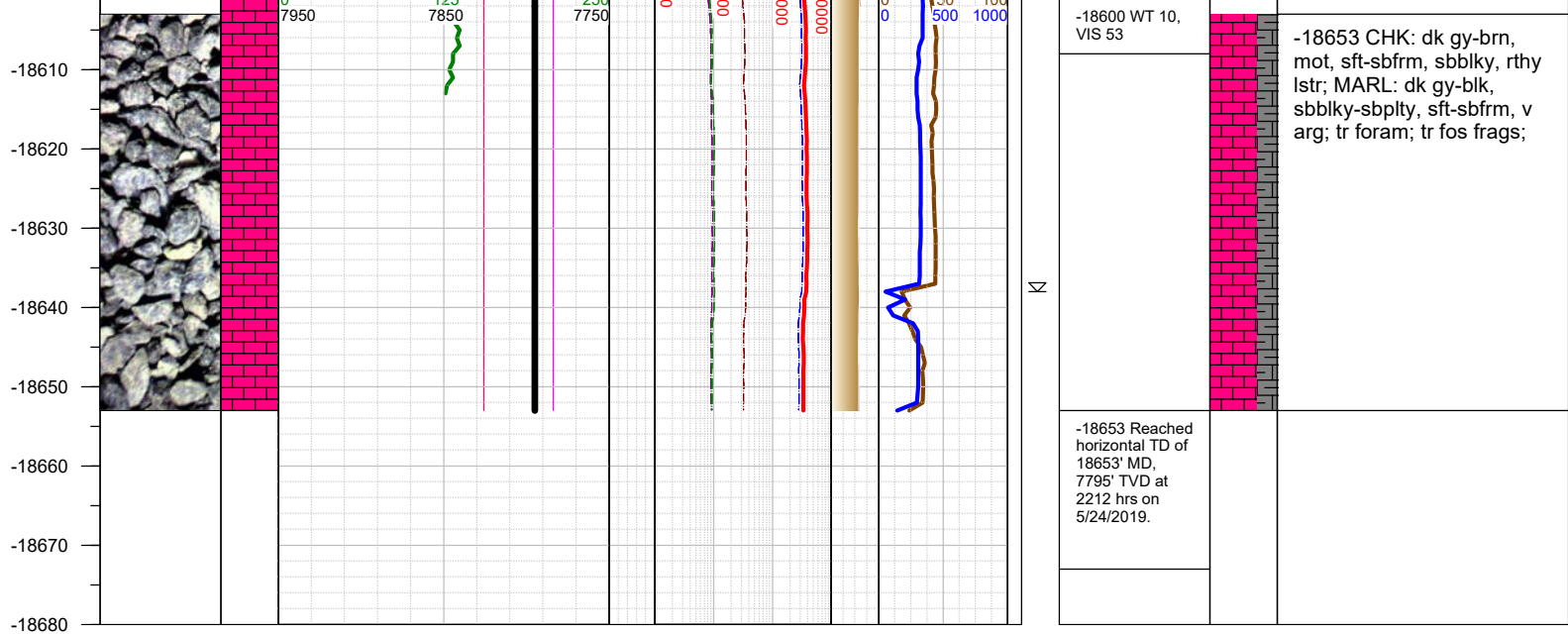


-18000 CHK: dk gy-brn, mot, sft-sbfrm, sbblky, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v arg; tr foram; tr fos frags;



Σ			
	-18102 INC 89.13, AZM 0.41, TVD 7797.17		
	-18120 WT 10, VIS 53		
	-18197 INC 89.7, AZM 0.14, TVD 7798.14		-18250 CHK: dk gy-brn, mot, sft-sbfrm, sbblky, rthy lstr; MARL: dk gy-blk, sbblky-sbpity, sft-sbfrm, v arg; tr foram; tr fos frags;
-18210 WT 10, VIS 53			
Σ			
	-18292 INC 90.94, AZM 0.54, TVD 7797.61		
	-18310 WT 10, VIS 55		





TOTAL DEPTH = 18653'

Thank you for using Earth Science Agency