

OPERATOR: **Bayswater E&P, LLC**

WELL NAME: **Leffler F-26-28HN**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: True 38

API #: 05-123-49490

LAT/LONG: 40.552685, -104.753425

SURFACE HOLE: NWNW S26-T7N-R66W, 250' FNL, 235' FWL

BOTTOM HOLE: S28-T7N-R66W, 1150' FNL, 5' FWL

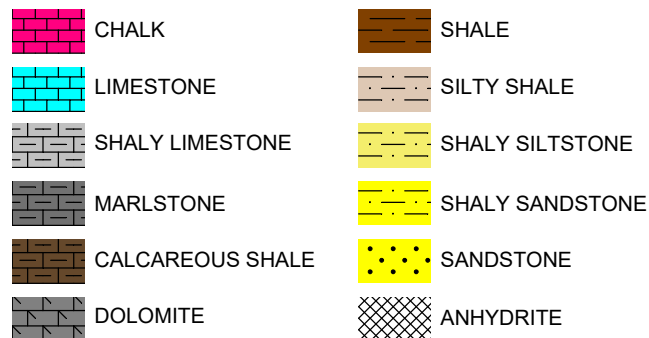


Earth Science Agency, LLC

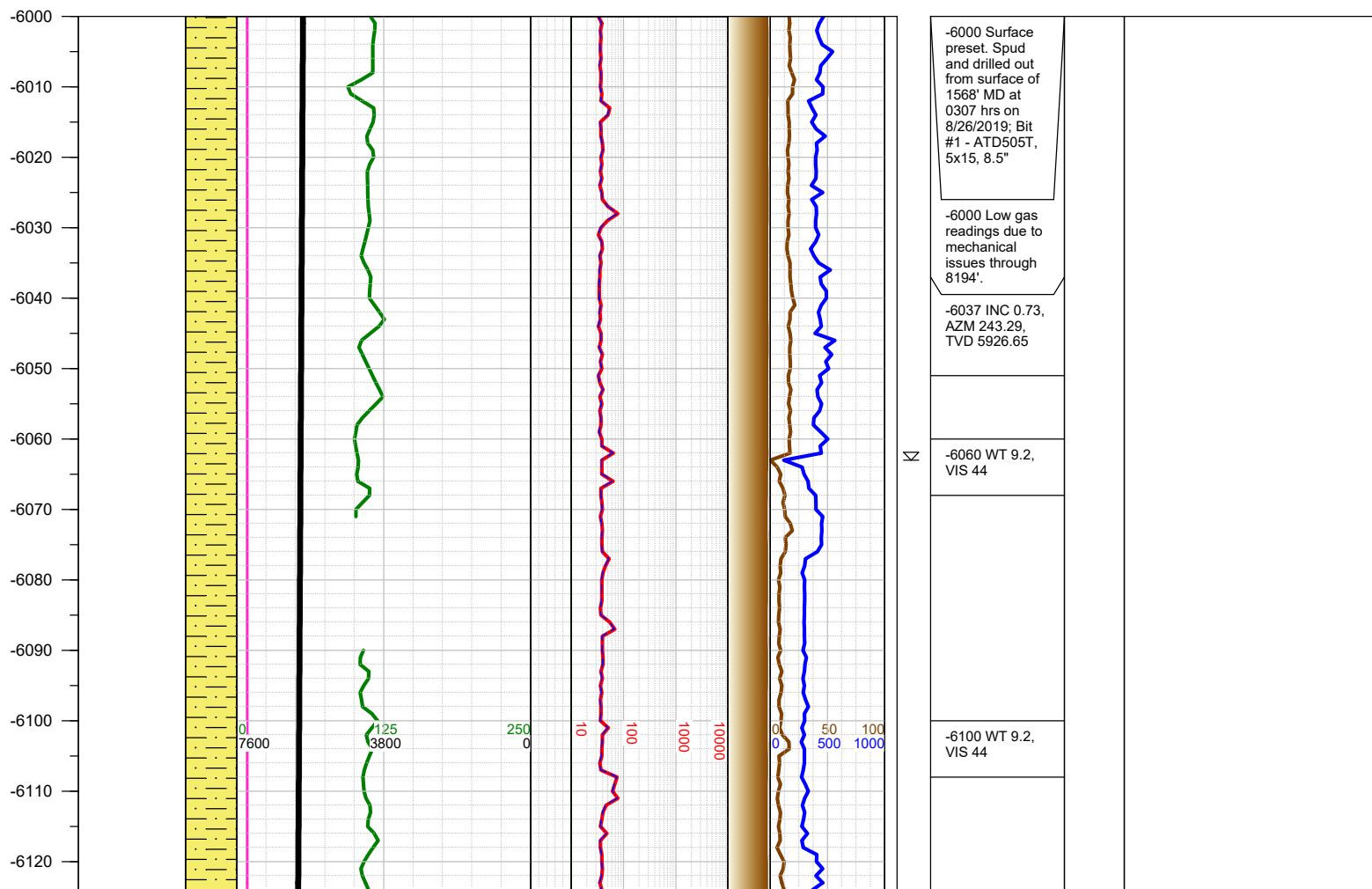
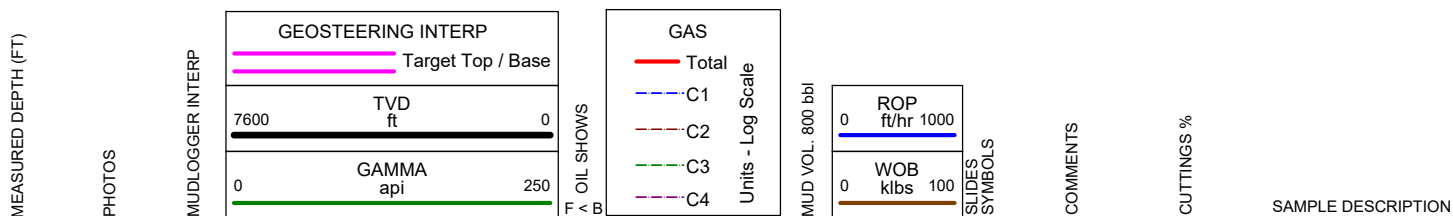
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 4898'
KELLY BUSHING: 4923'
DRILLING FLUID: OBM
TVD VS. MD: 7304' / 18493'
SPUD DATE: August 26, 2019
TD DATE: August 31, 2019

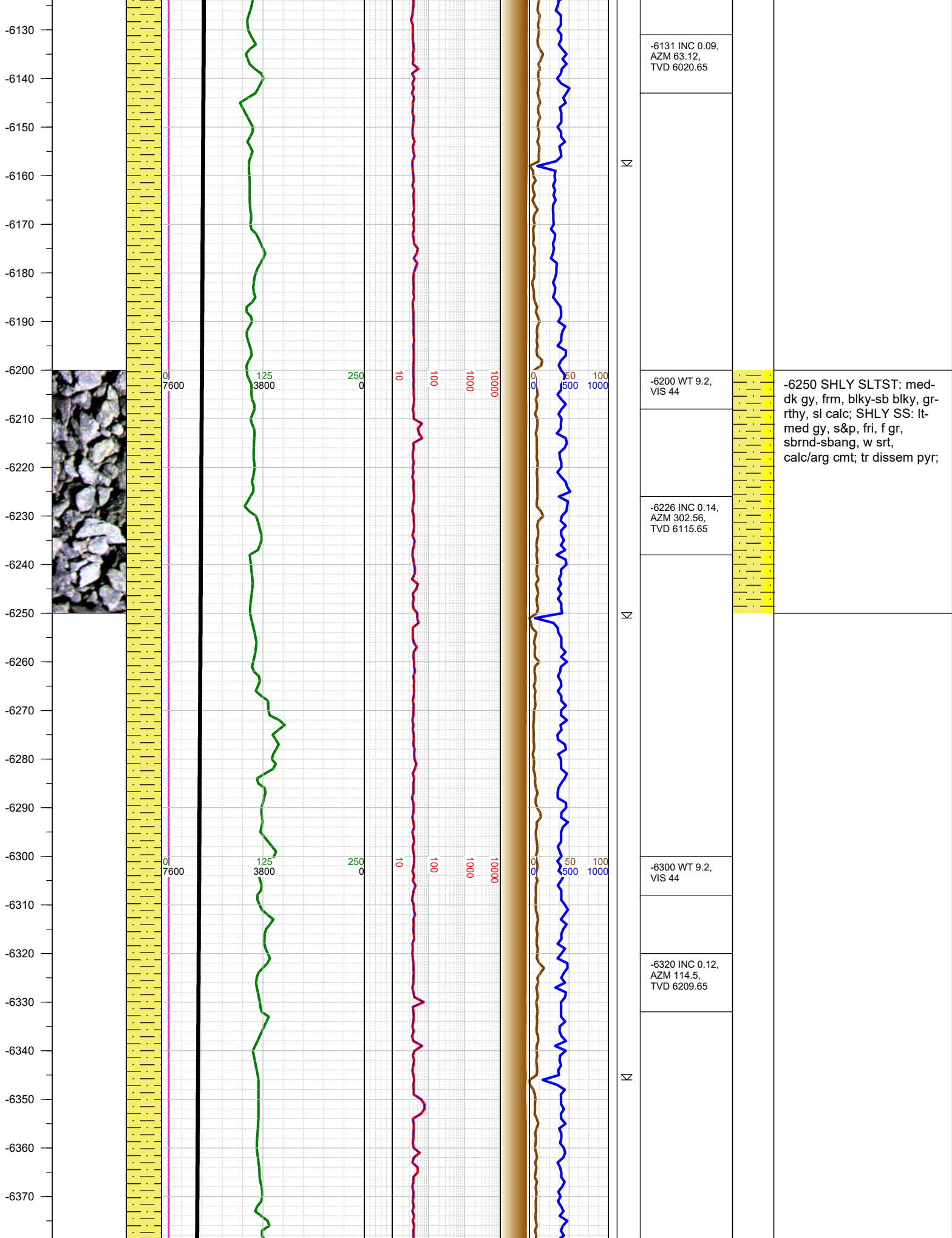
DEPTHS LOGGED: 6000' - 18493'
DATES LOGGED: August 26, 2019 - August 31, 2019
GEOLOGISTS: Zak Lewis, Ethan Cook
SCALE: 5" = 100'

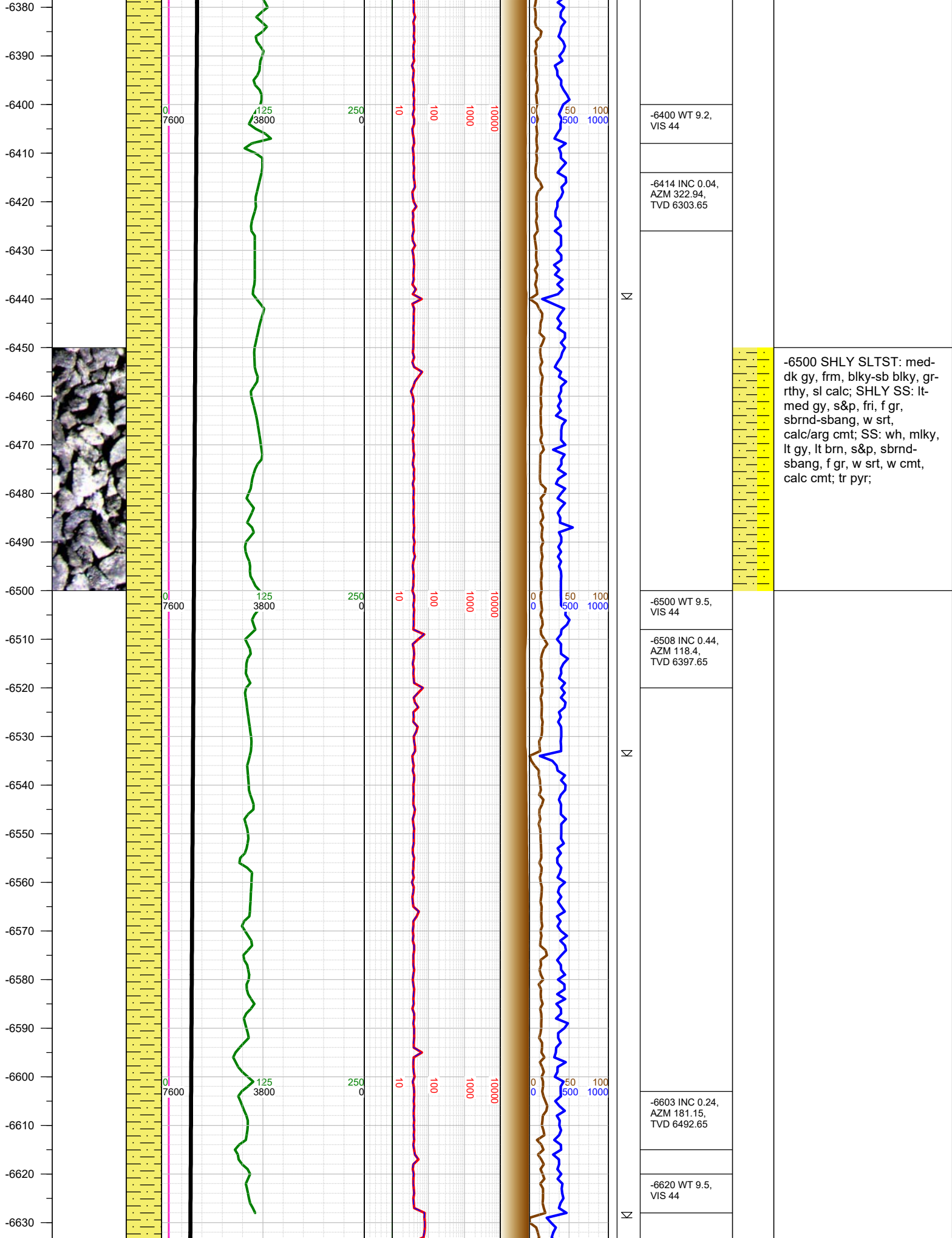
LEGEND

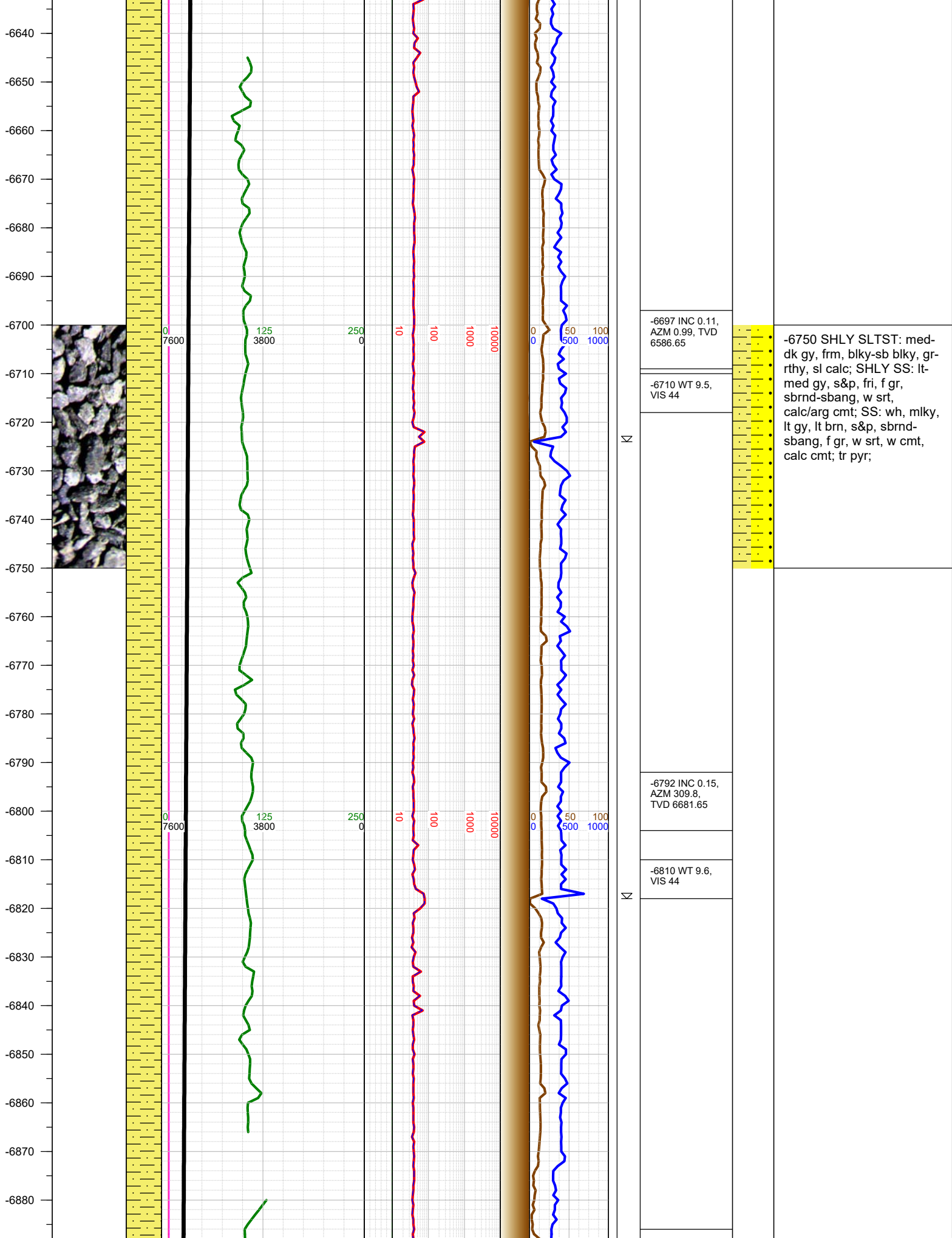


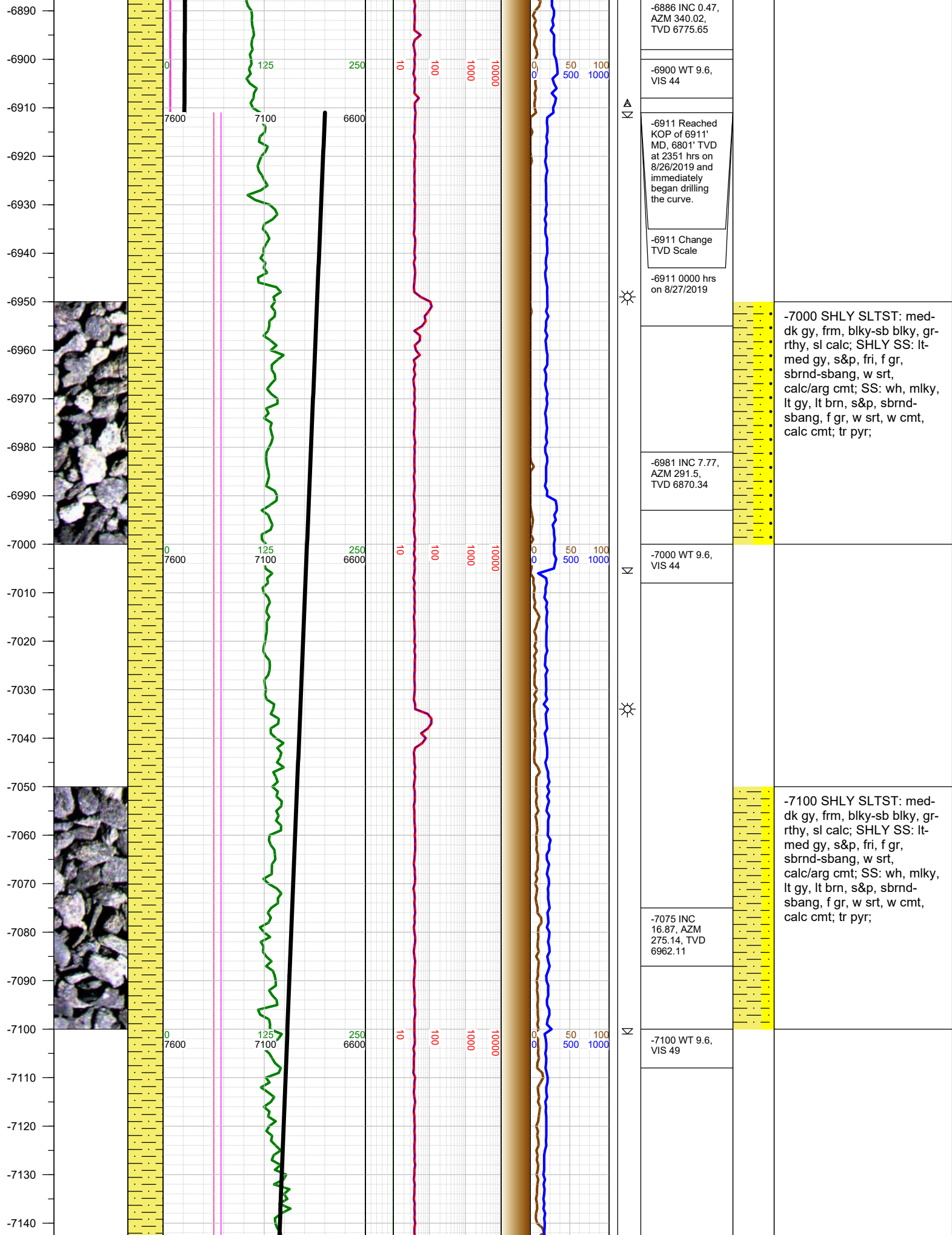
FORMATION \approx CONNECTION Δ MIDNIGHT NEW BIT GAS SHOW FAULT

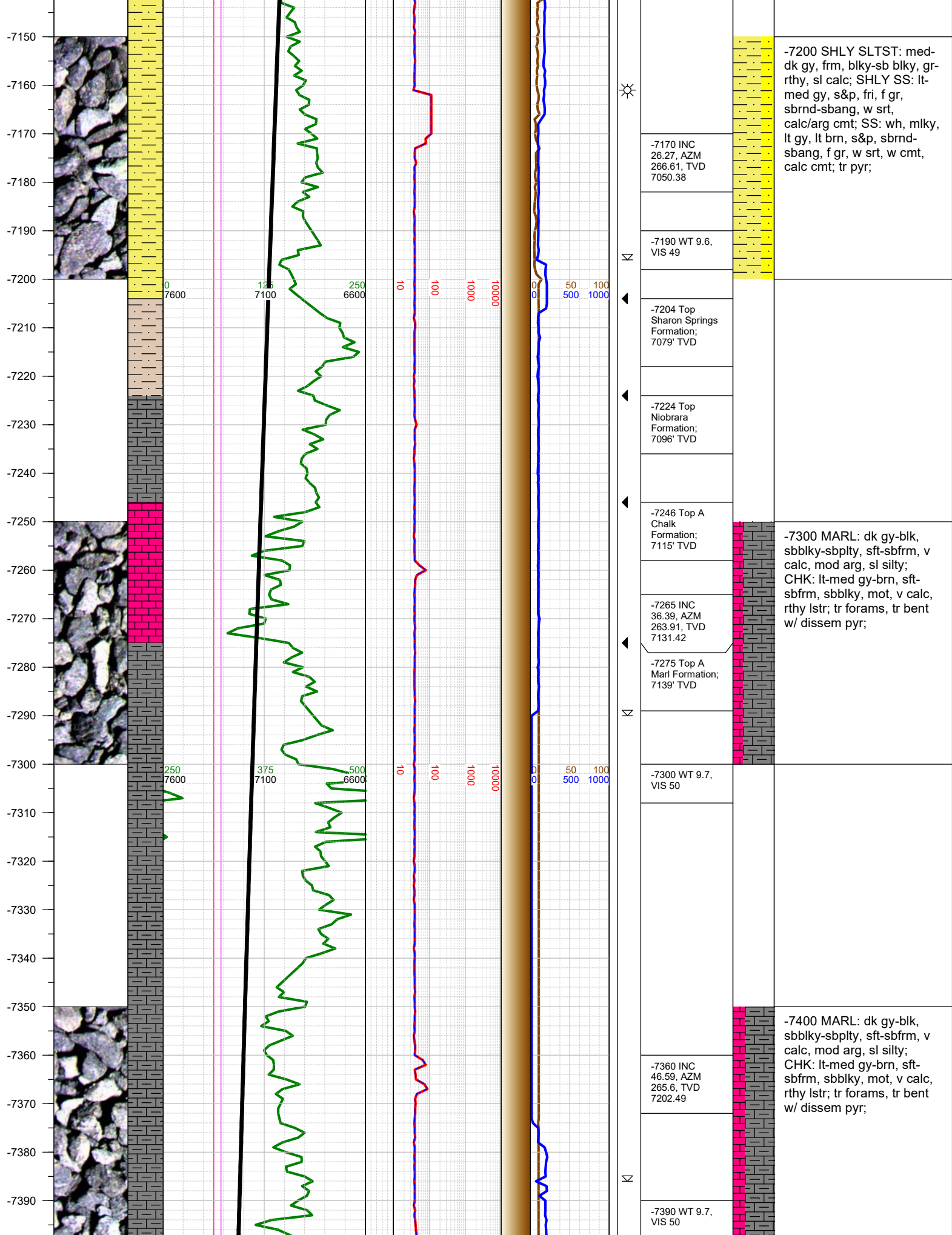


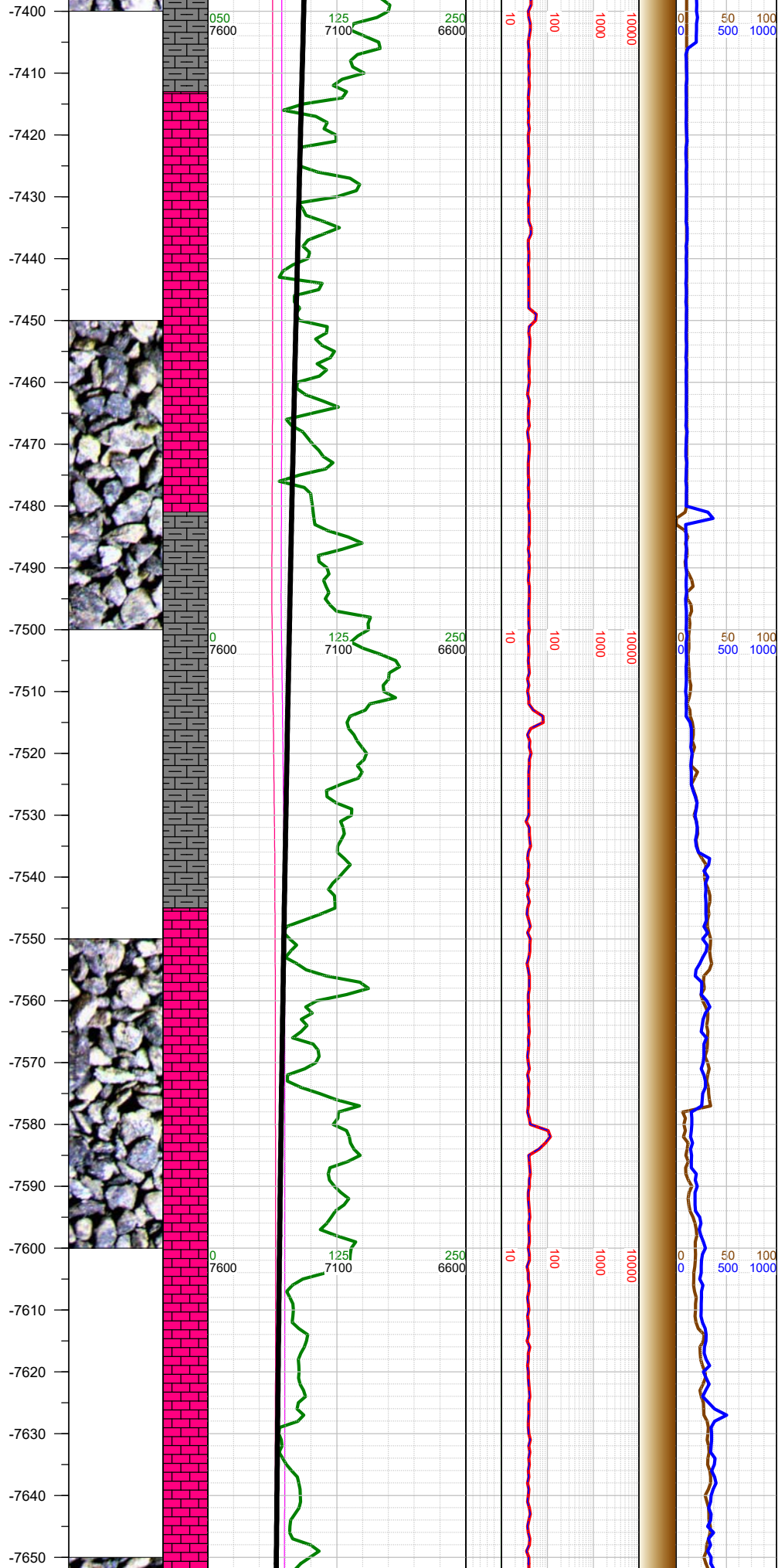




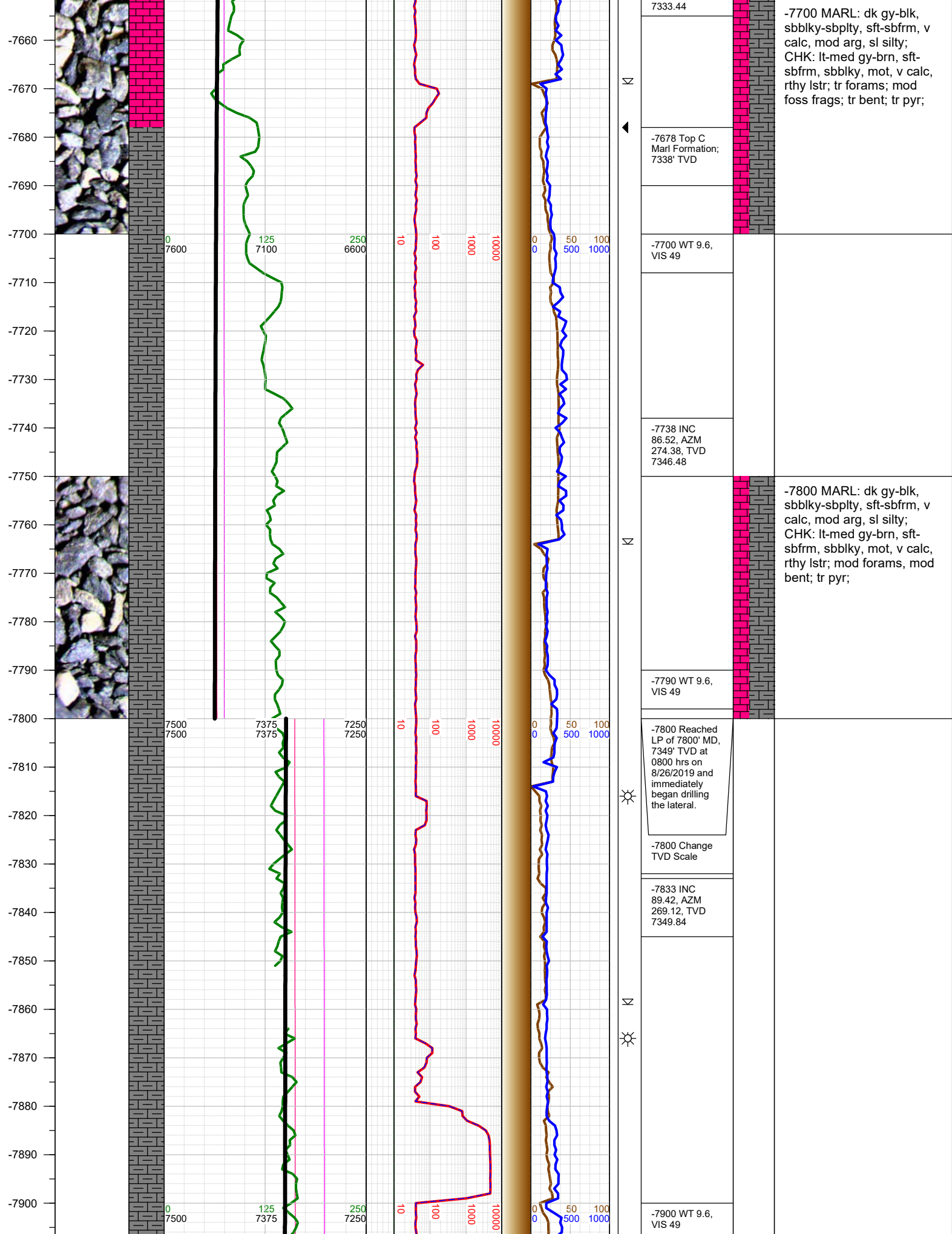


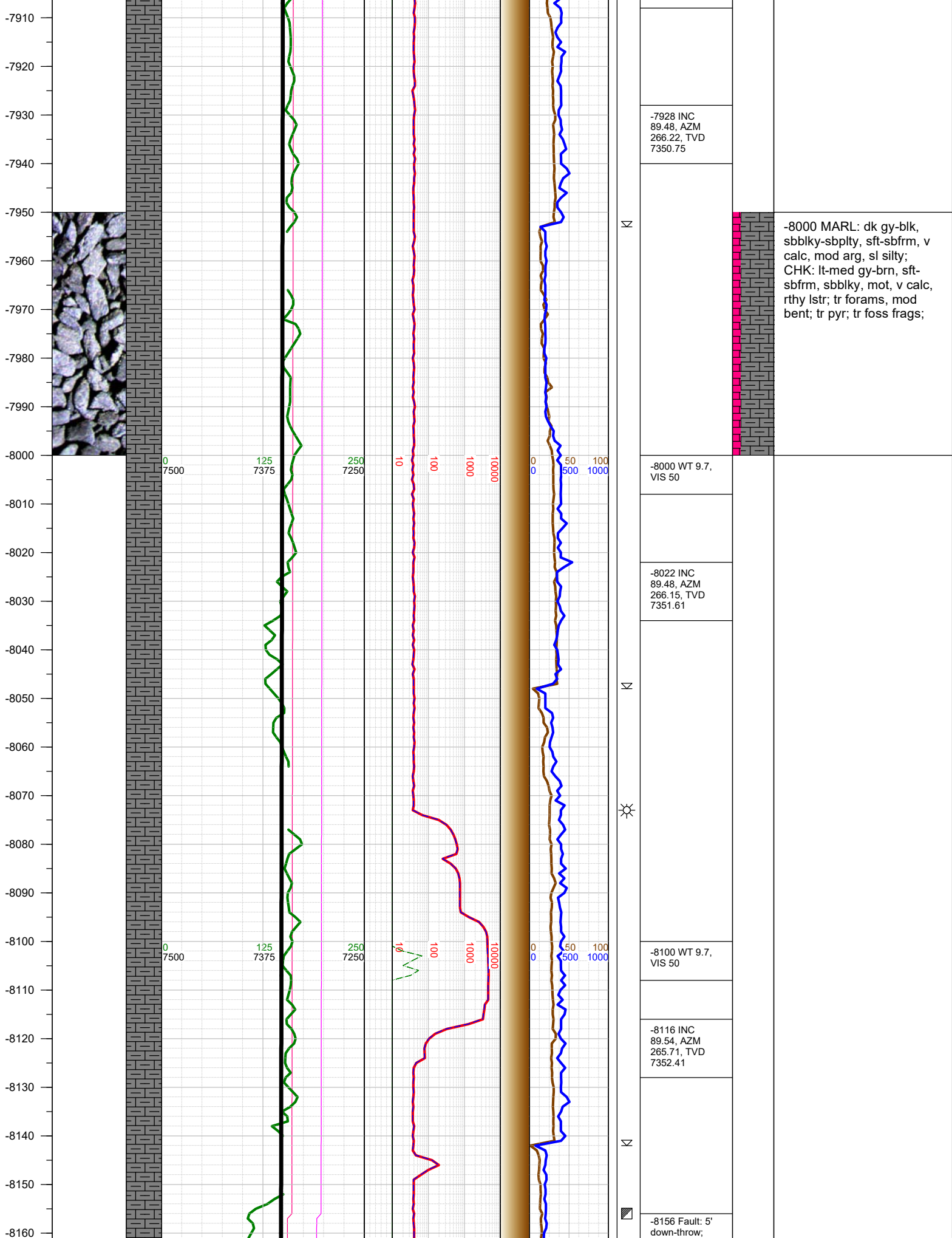


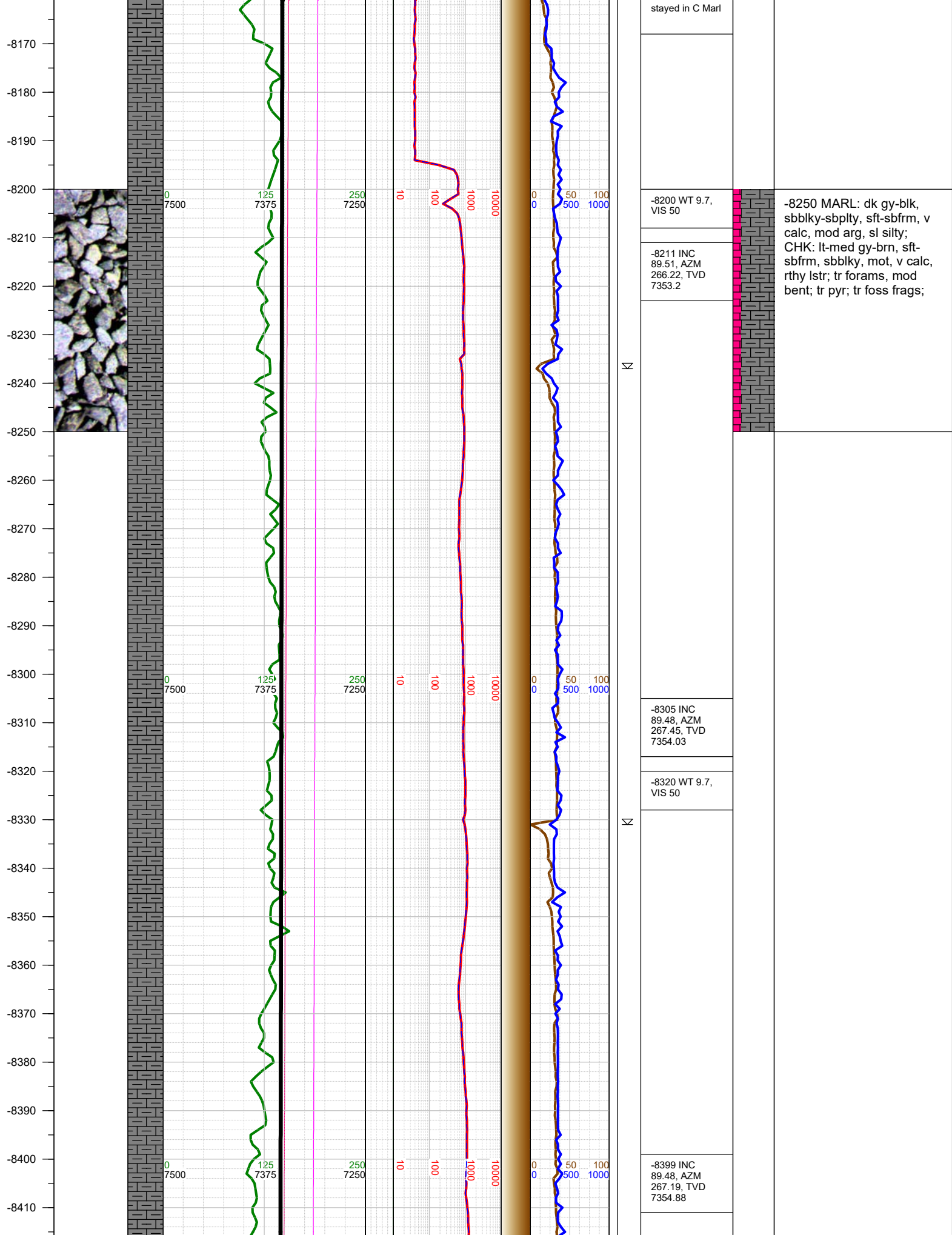


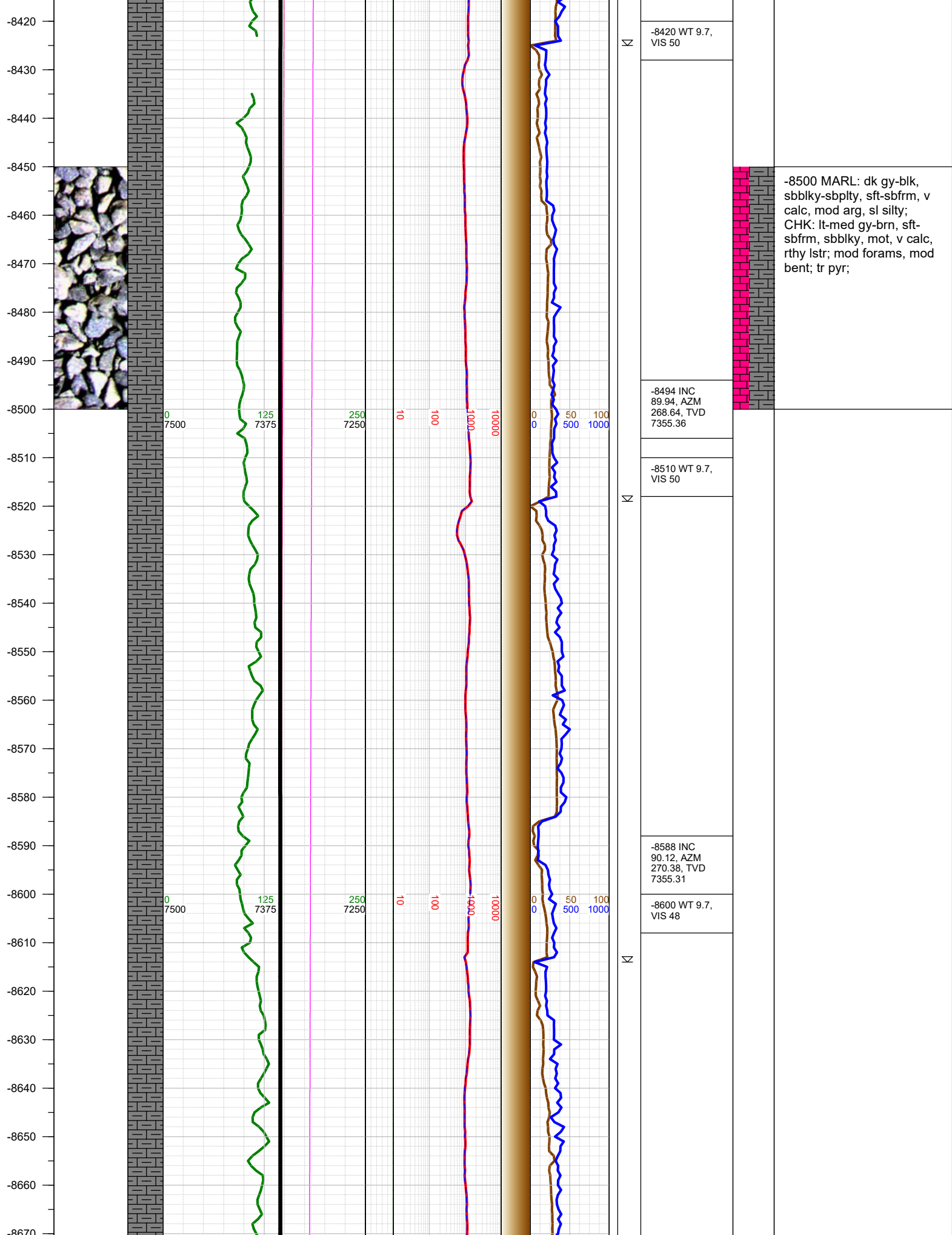


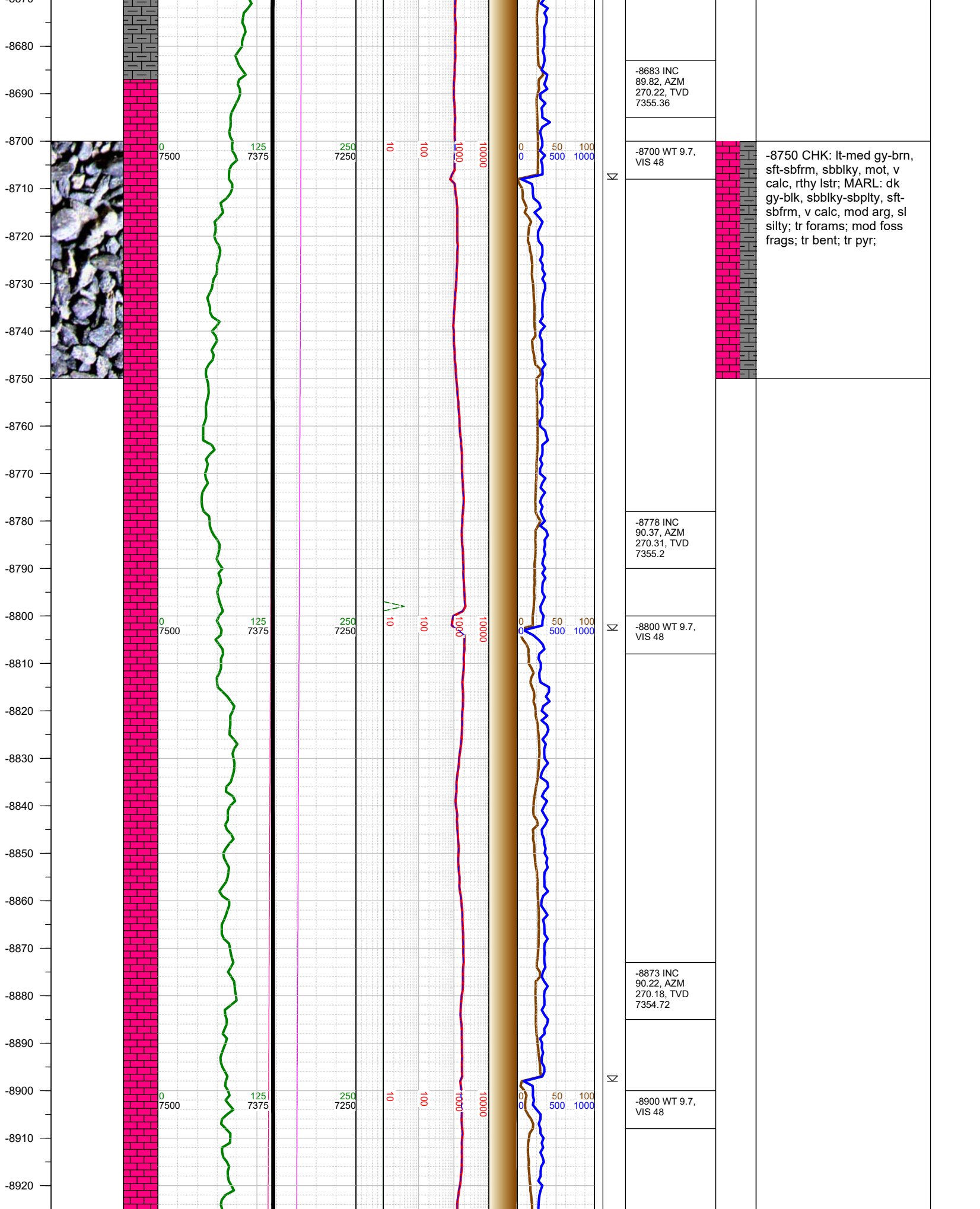
-7405 Gas buster on		
-7413 Top B Chalk Formation; 7235' TVD		
-7455 INC 56.35, AZM 273.5, TVD 7261.66		-7500 MARL: dk gy-blk, subblky-subplty, sft-subfrm, v calc, mod arg; CHK: lt-med gy, sft-subfrm, subblky, mot, v calc, rthy-sl wxy lstr; tr bent w/ dissem pyr; tr foss frags; freq forams;
-7481 Top B Marl Formation; 7274' TVD		
-7500 WT 9.7, VIS 50		
-7545 Top Payzone - C Chalk Formation; 7304' TVD		-7600 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr forams; mod foss frags; tr bent; tr pyr;
-7549 INC 67.81, AZM 274.81, TVD 7305.6		
-7600 WT 9.6, VIS 49		
-7643 INC 77.69, AZM 275.92, TVD		

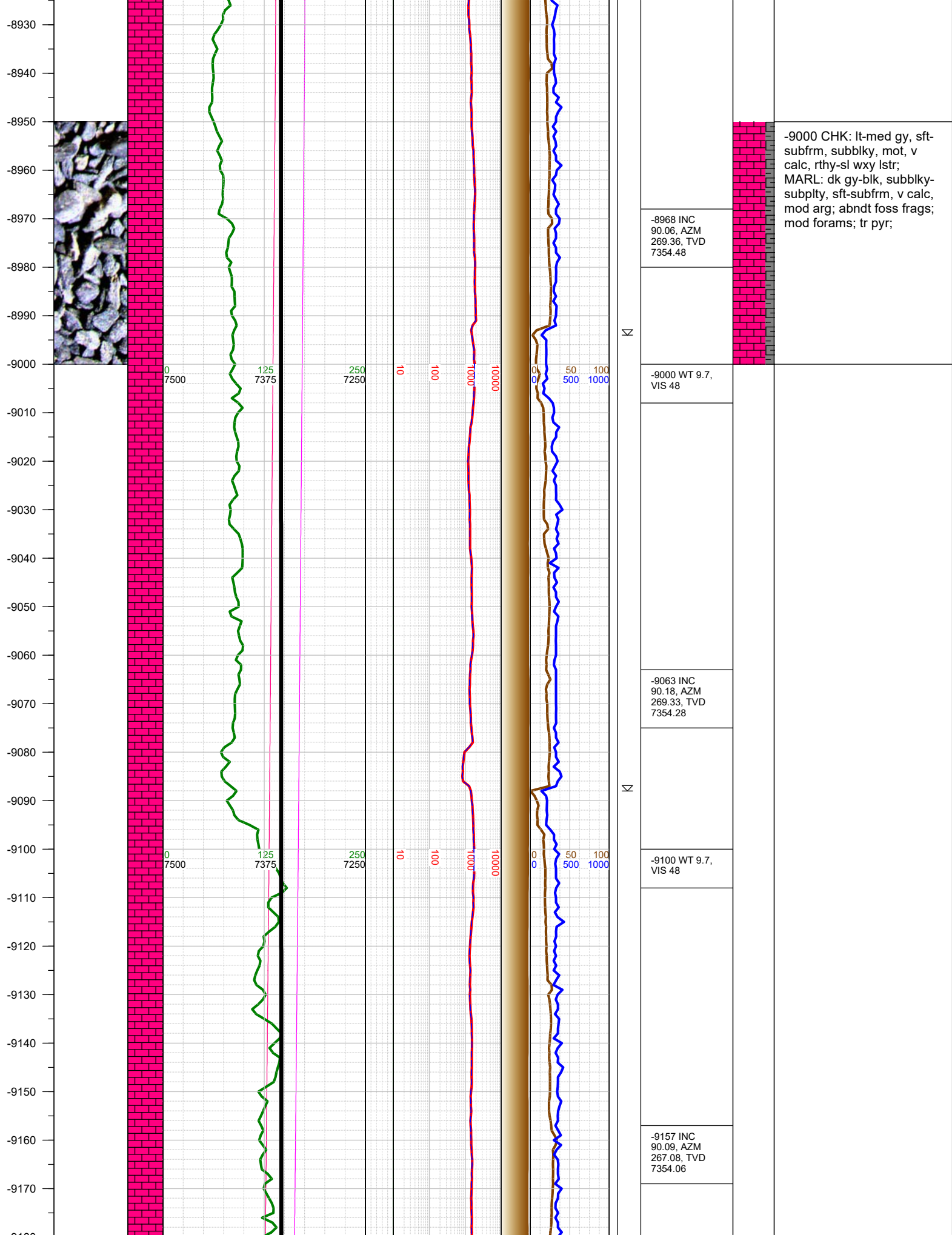


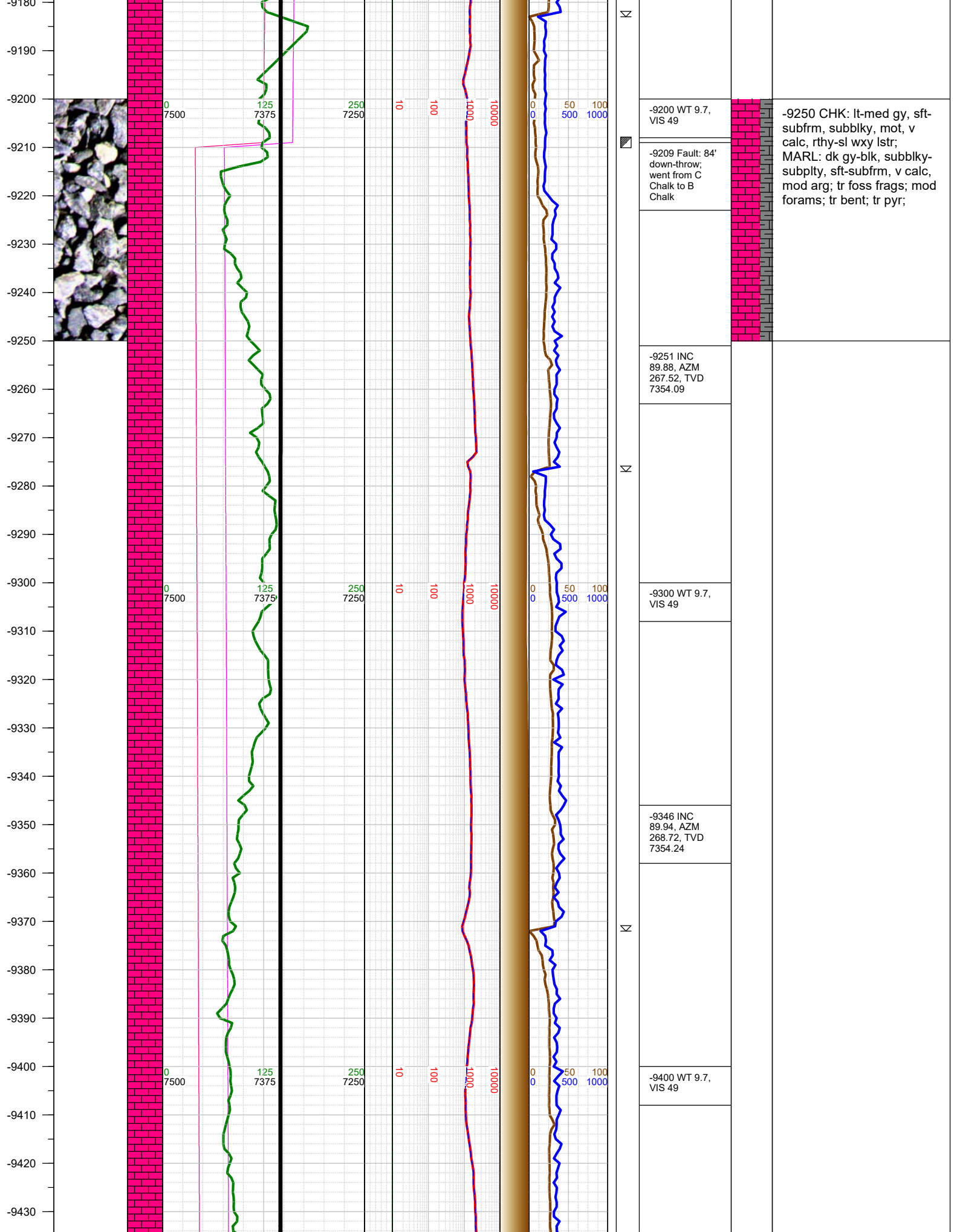


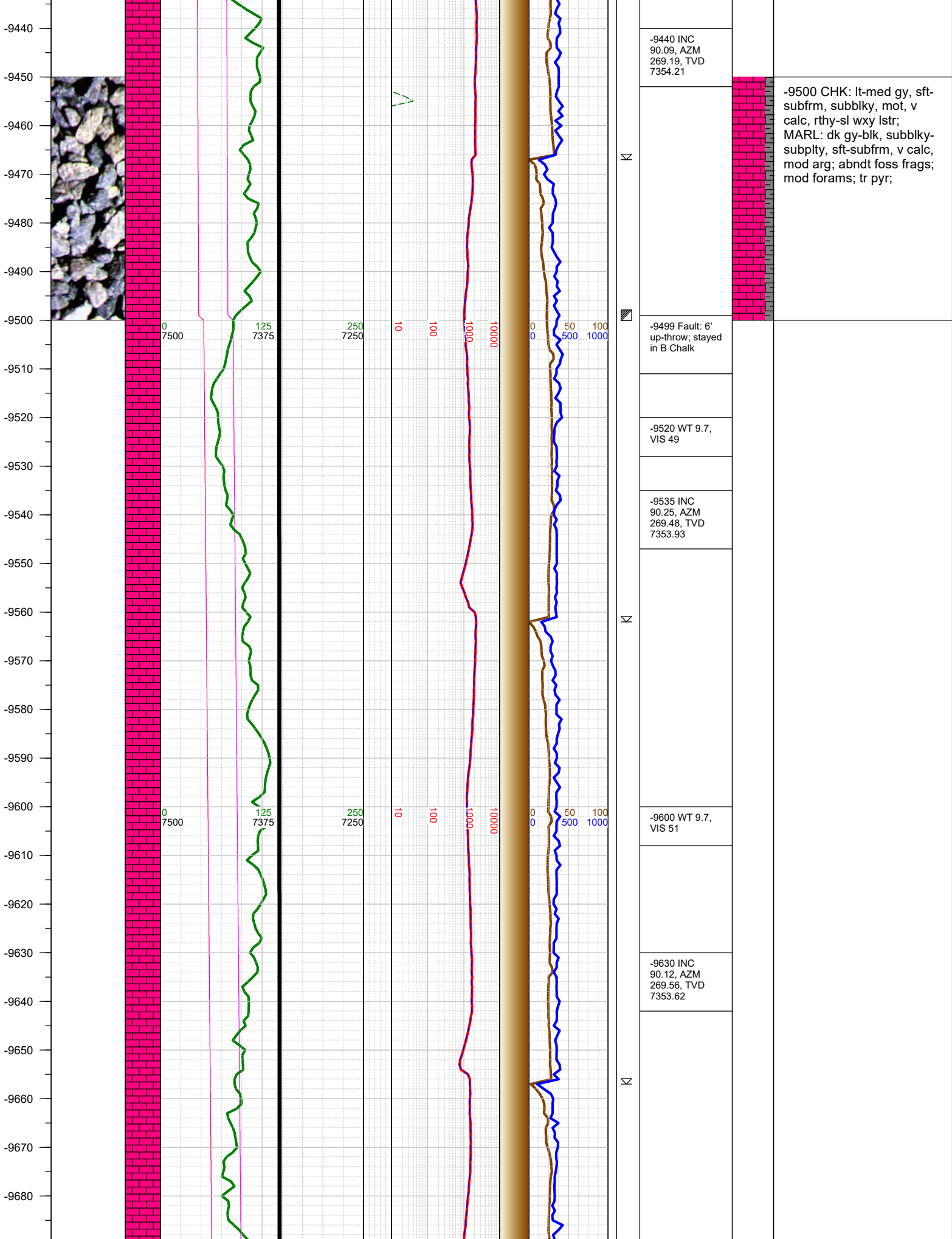


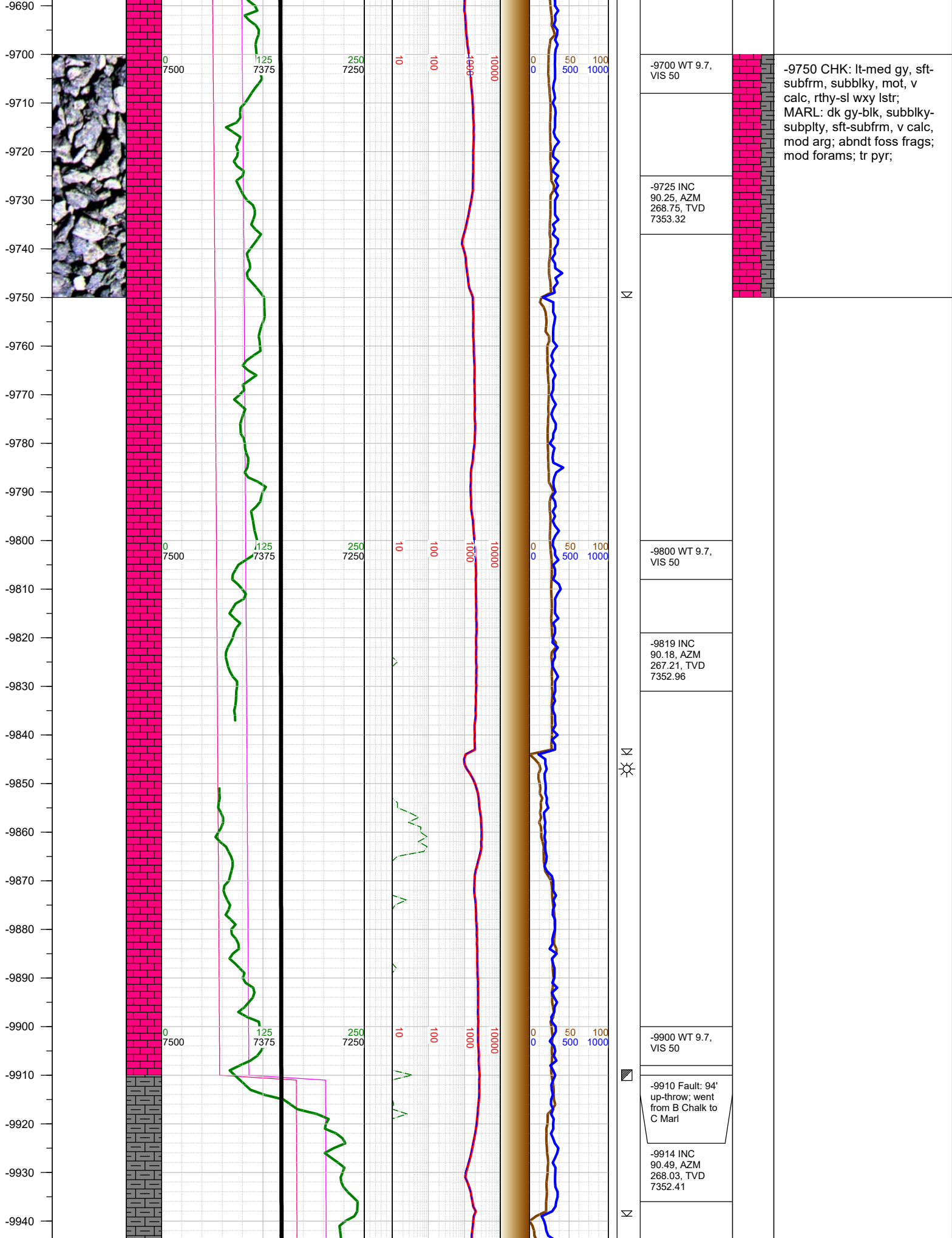


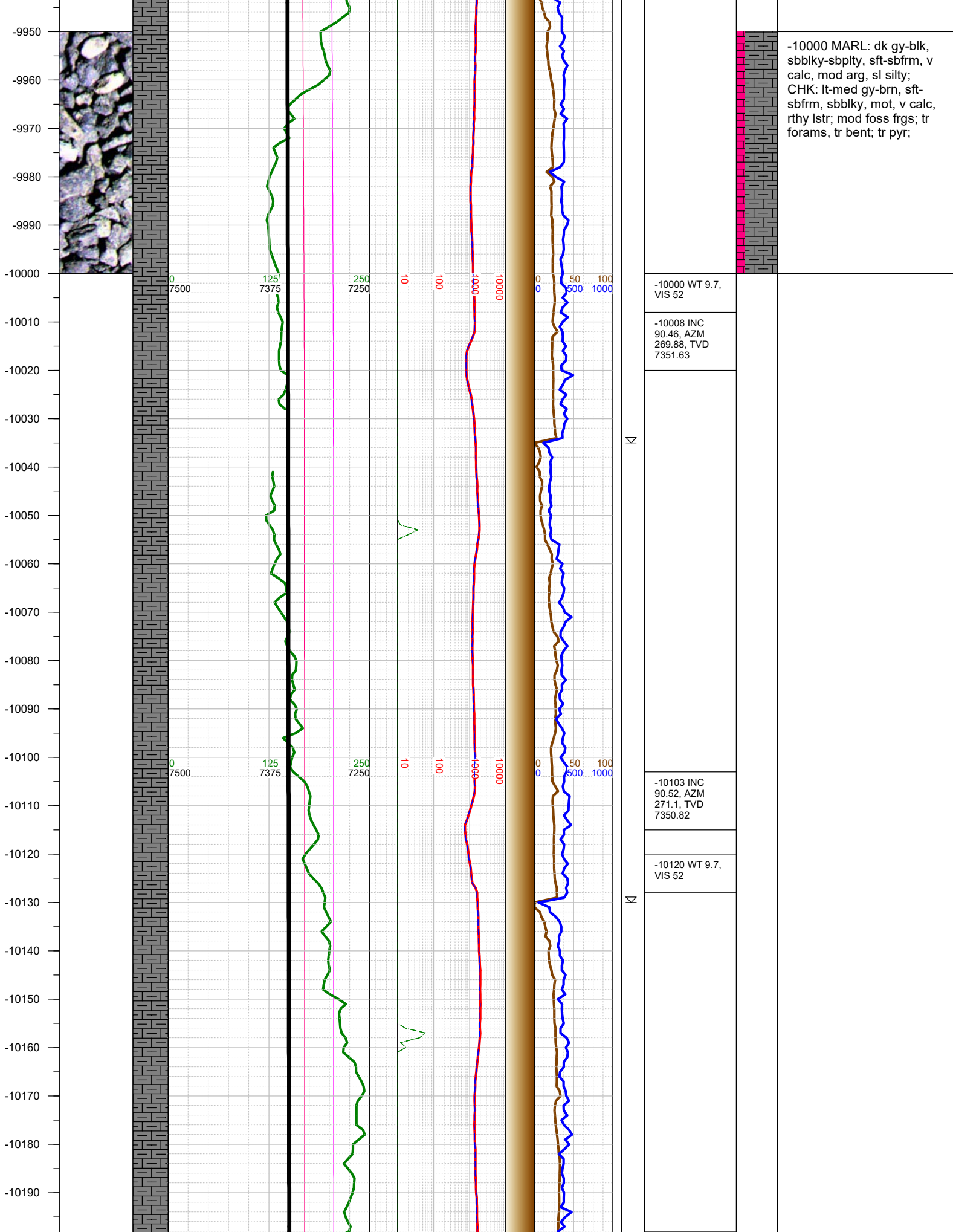


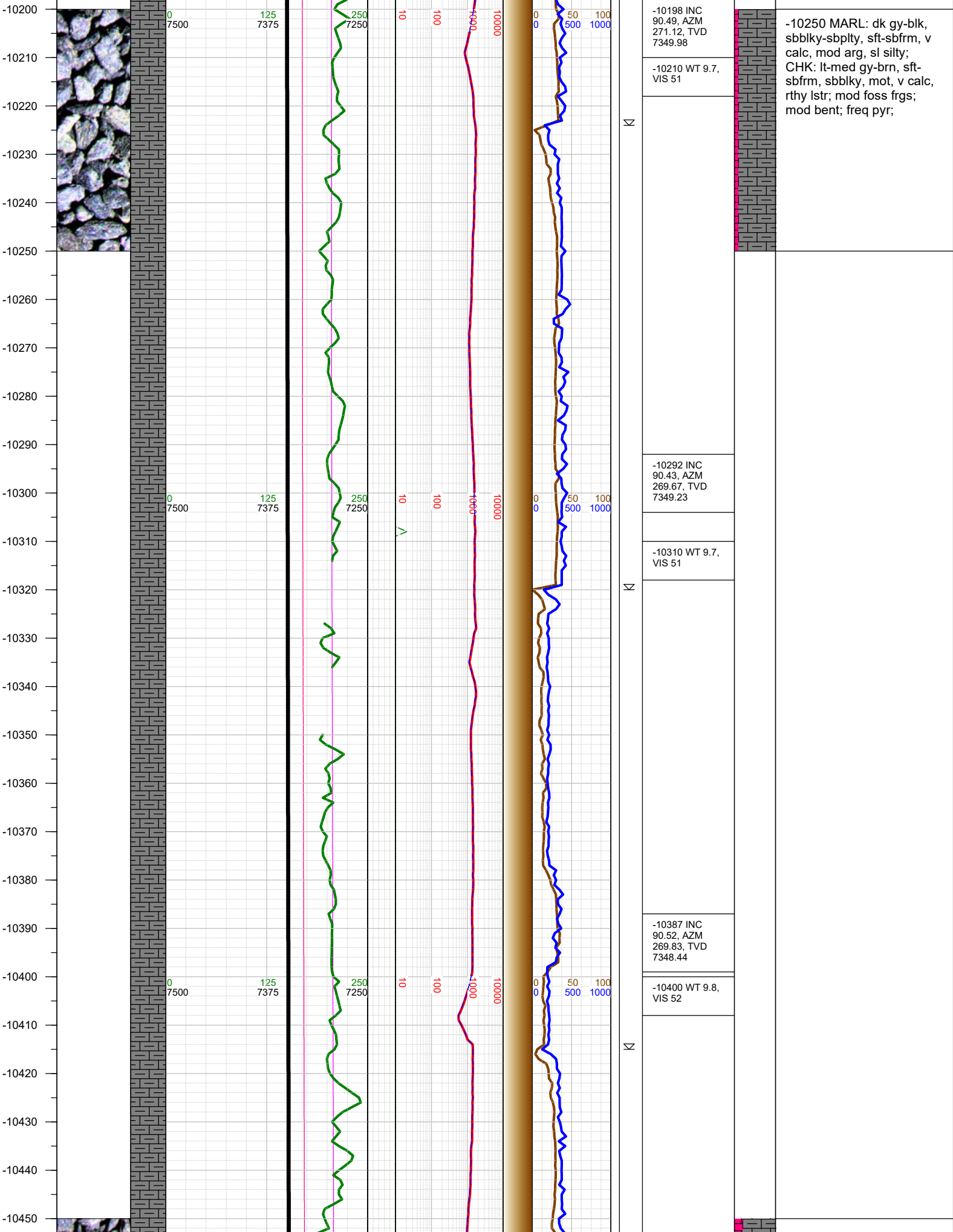


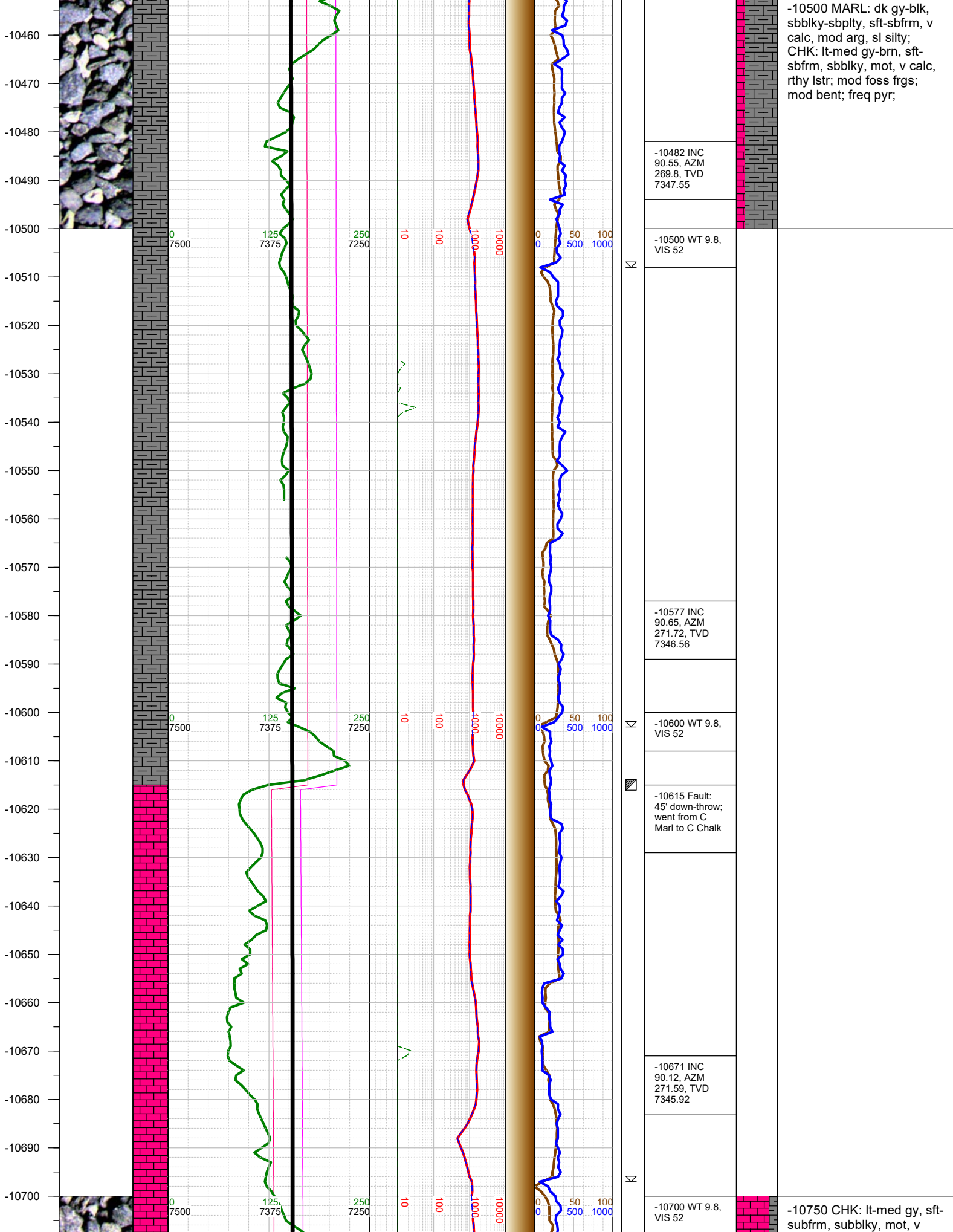


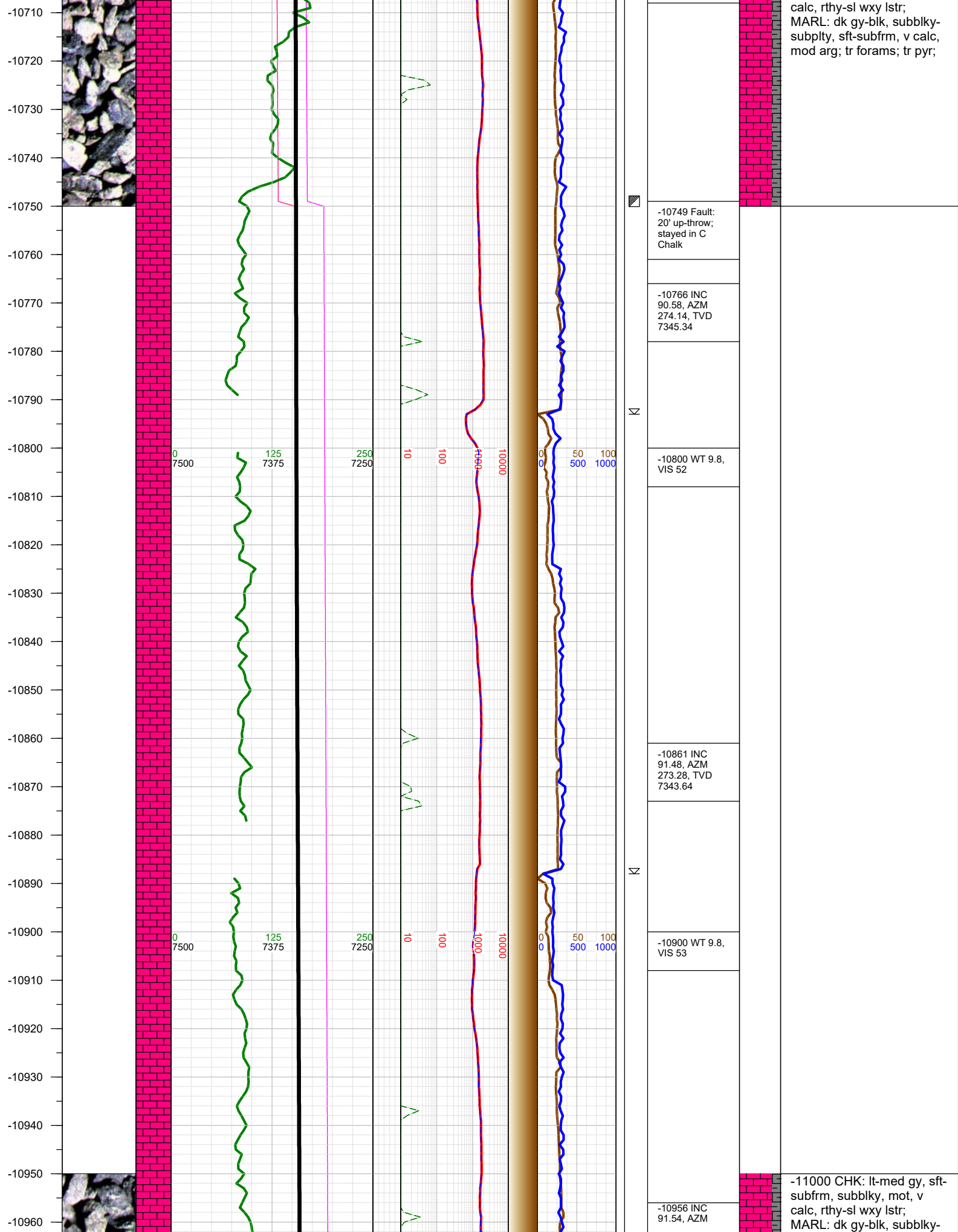


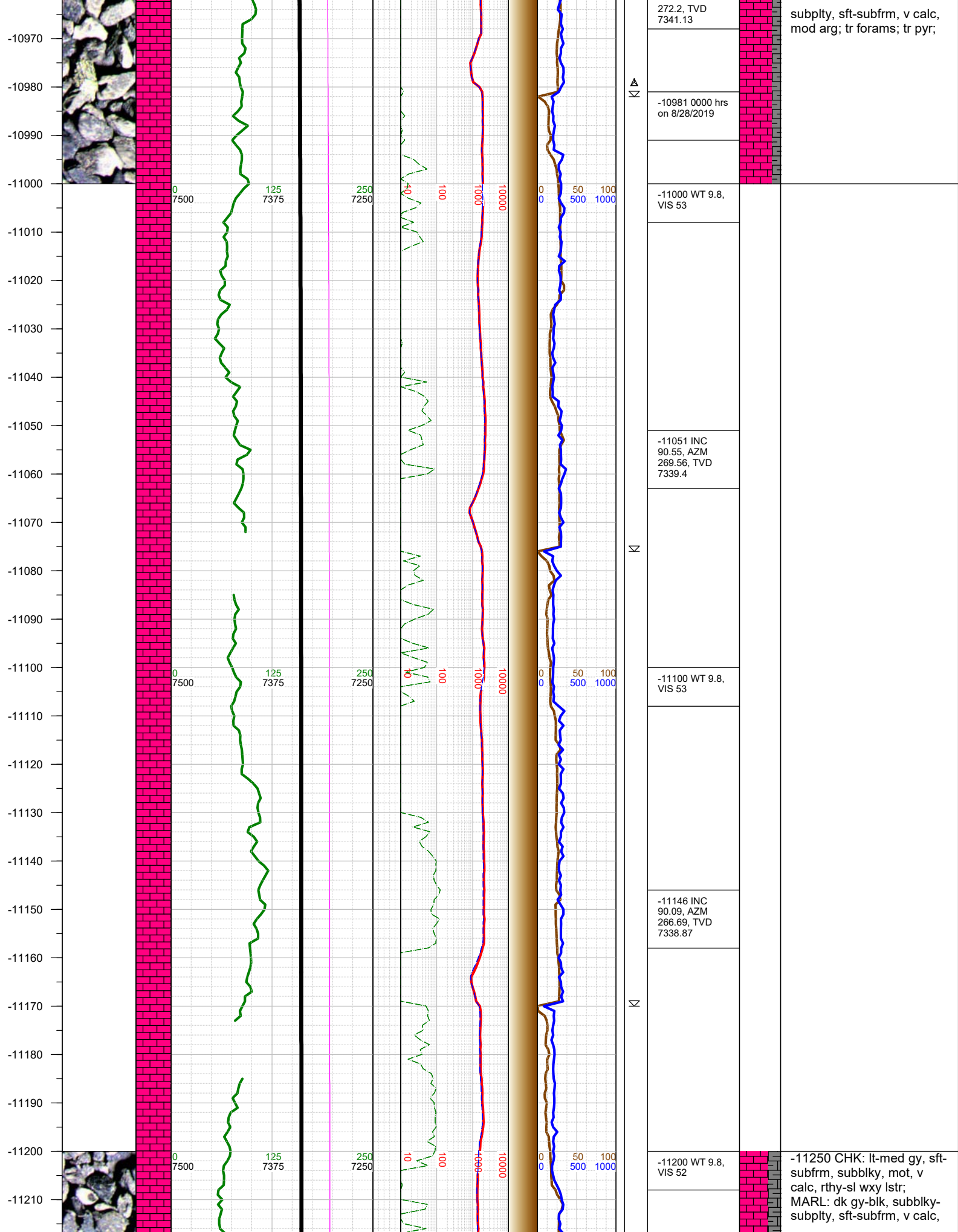


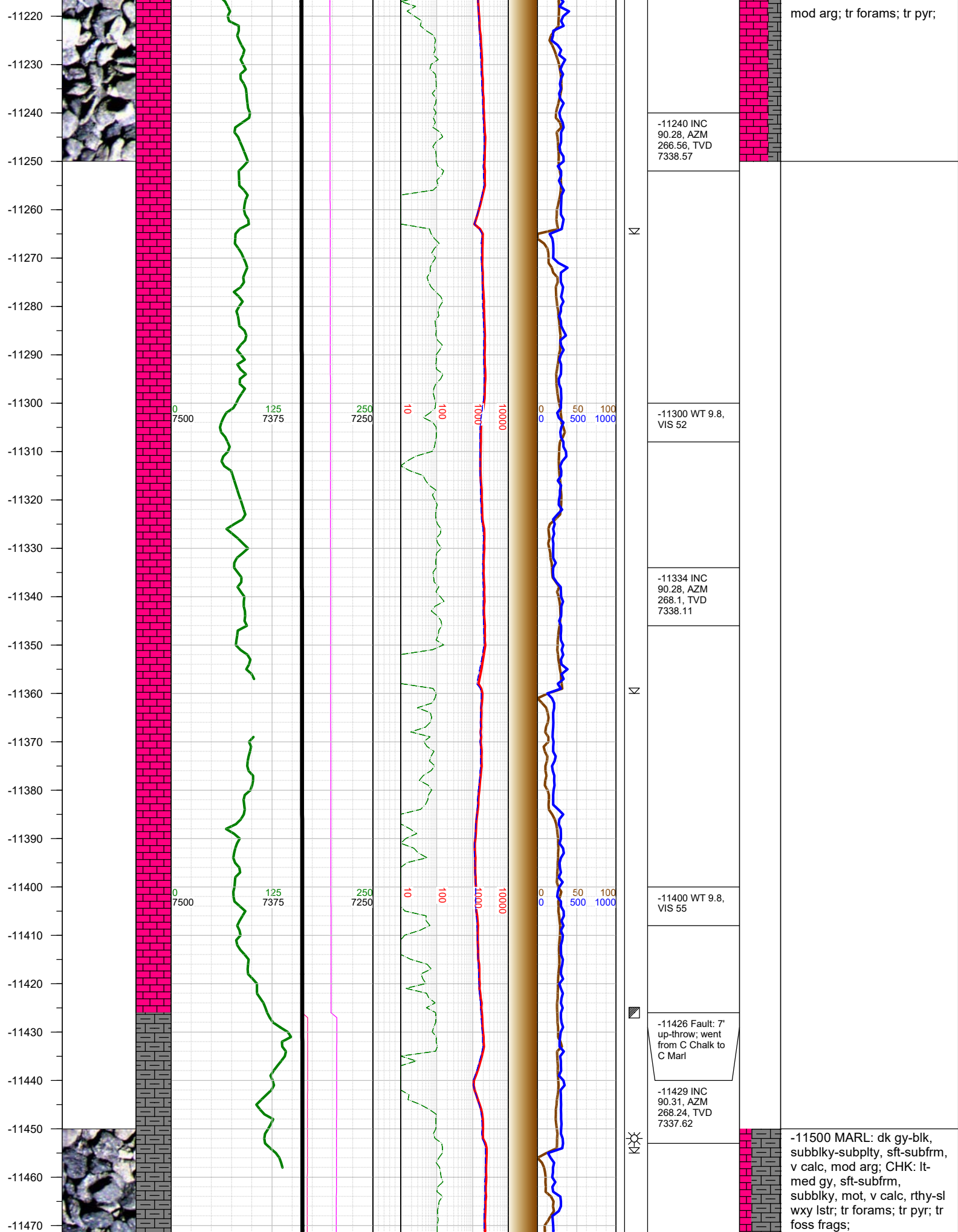




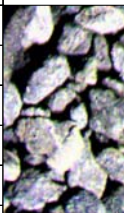
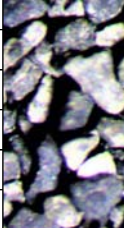








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-11500 WT 9.8,
VIS 54

-11523 INC
90.31, AZM
267.59, TVD
7337.11

Δ

-11600 WT 9.8,
VIS 54

-11618 INC
90.37, AZM
267.5, TVD
7336.54

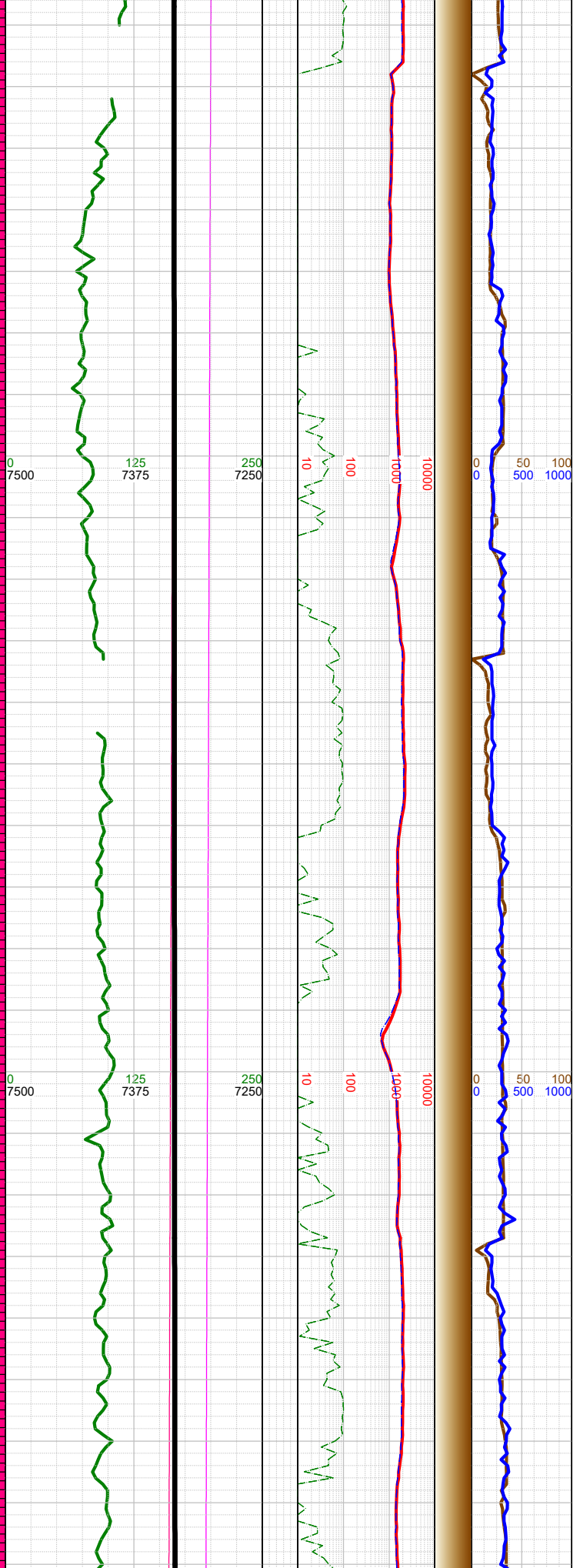
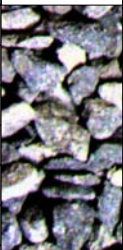
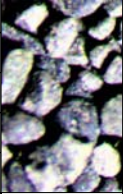
Δ

-11700 WT 9.8,
VIS 57

-11712 INC
90.18, AZM
266.57, TVD
7336.09

-11750 CHK: lt-med gy, sft-
subfrm, subblky, mot, v
calc, rthy-sl wxy lstr;
MARL: dk gy-blk, subblky-
subply, sft-subfrm, v calc,
mod arg; tr forams; freq
pyr; tr foss frags;

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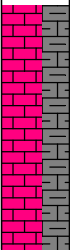
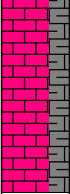
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-11807 INC
90.09, AZM
268.96, TVD
7335.87

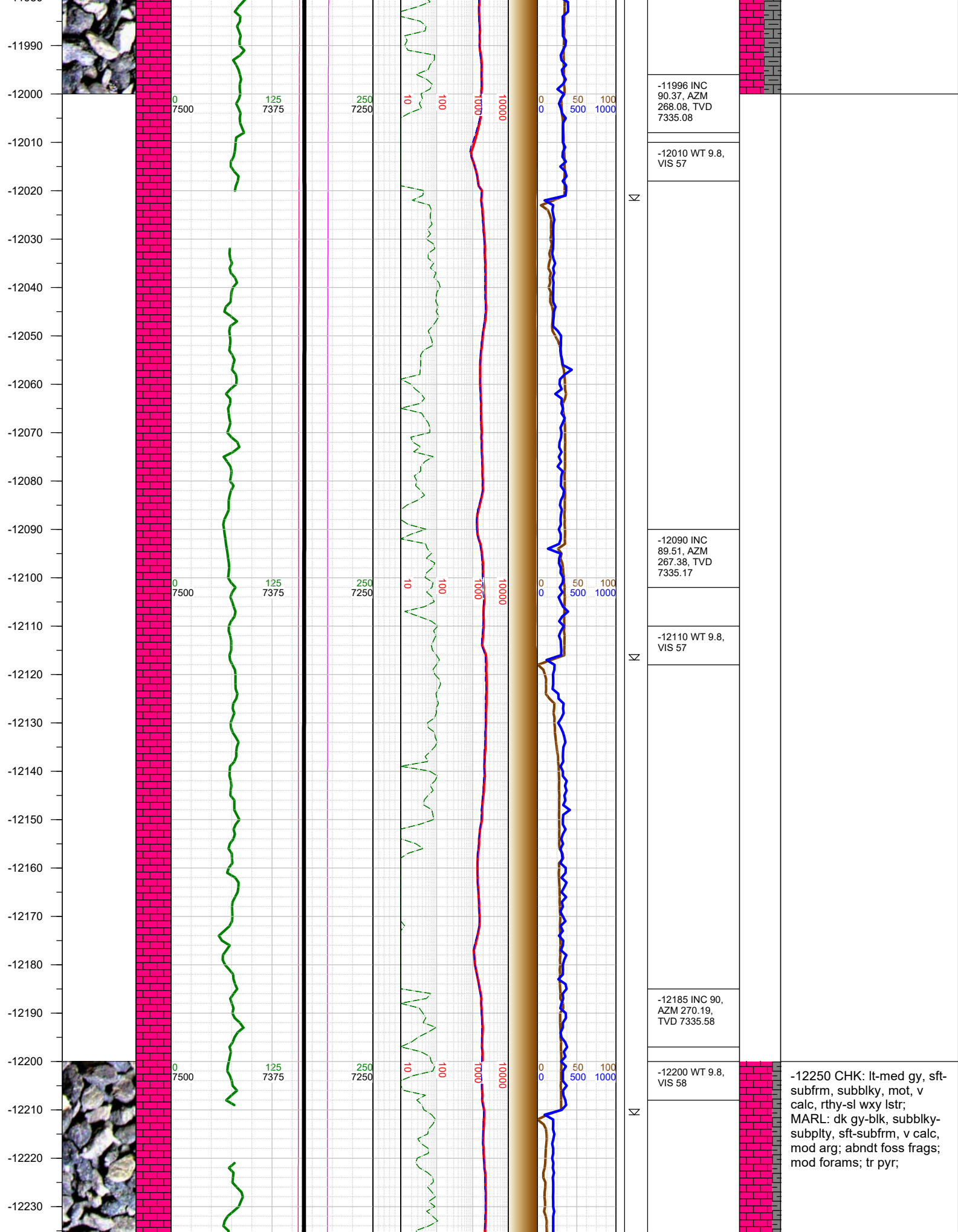
-11820 WT 9.8,
VIS 57

-11901 INC
90.25, AZM
270.78, TVD
7335.59

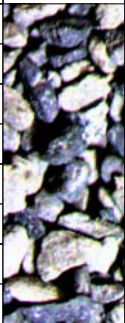
-11920 WT 9.8,
VIS 57



-12000 CHK: lt-med gy, sft-
subfrm, subblky, mot, v
calc, rthy-sl wxy lstr;
MARL: dk gy-blk, subblky-
subply, sft-subfrm, v calc,
mod arg; tr forams; mod
pyr; tr foss frags;



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-12279 INC
89.72, AZM
270.41, TVD
7335.81

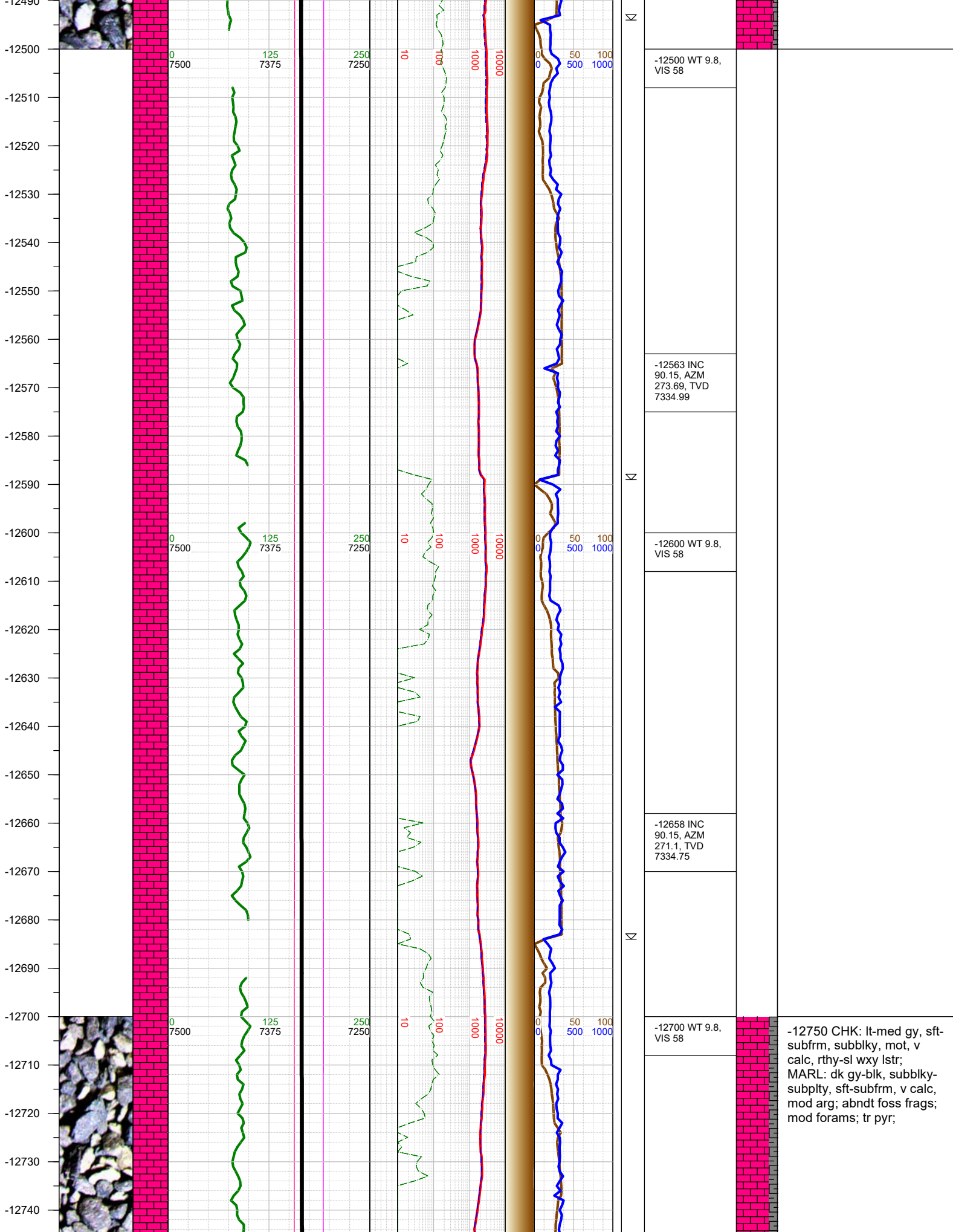
-12300 WT 9.8,
VIS 58

-12374 INC
90.25, AZM
270.87, TVD
7335.84

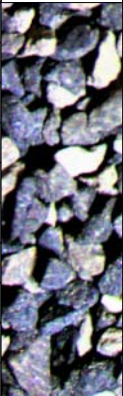
-12400 WT 9.8,
VIS 58

-12469 INC
90.31, AZM
271.97, TVD
7335.37

-12500 CHK: lt-med gy, sft-
subfrm, subblky, mot, v
calc, rthy-sl wxy lstr;
MARL: dk gy-blk, subblky-
subplty, sft-subfrm, v calc,
mod arg; tr foss frags; mod
forams; freq pyr;



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-12752 INC
90.55, AZM
267.7, TVD
7334.17

-12800 WT 9.8,
VIS 58

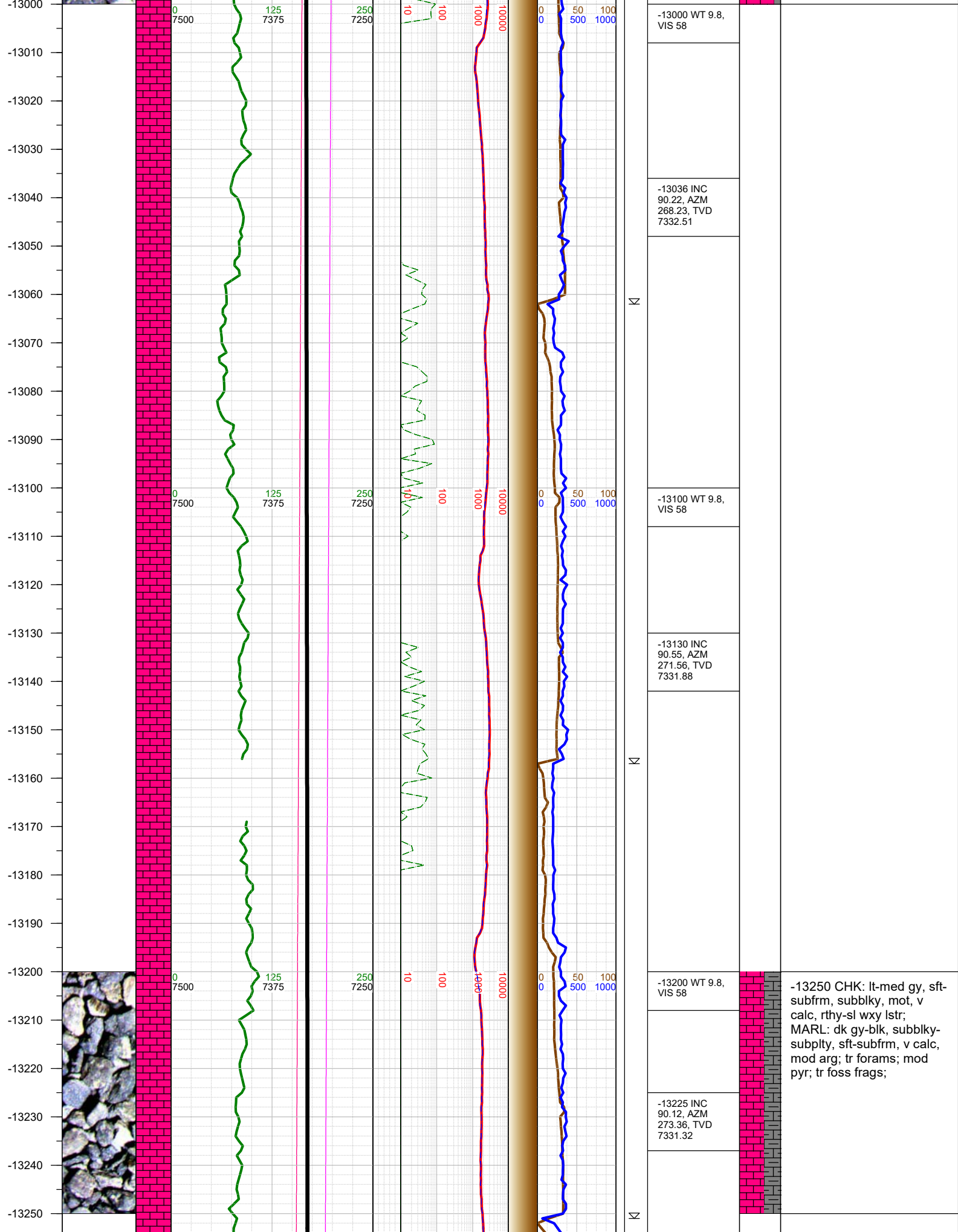
-12829 Fault:
11' up-throw;
went from C
Chalk to C Marl

-12847 INC
90.34, AZM
265.98, TVD
7333.43

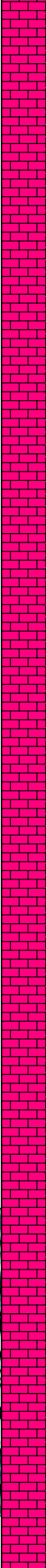
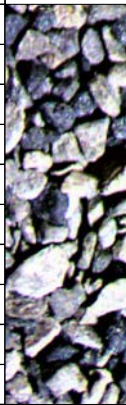
-12900 WT 9.8,
VIS 58

-12942 INC
90.28, AZM
267.02, TVD
7332.92

-13000 CHK: lt-med gy, sft-
subfrm, subblky, mot, v
calc, rthy-sl wxy lstr;
MARL: dk gy-blk, subblky-
subply, sft-subfrm, v calc,
mod arg; abndt foss frags;
mod forams; tr pyr;



-13260
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-13490
-13500



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500 1000

13260 13270 13280 13290 13300 13310 13320 13330 13340 13350 13360 13370 13380 13390 13400 13410 13420 13430 13440 13450 13460 13470 13480 13490 13500

-13300 WT 9.8,
VIS 58

-13320 INC
90.31, AZM
274.28, TVD
7330.97

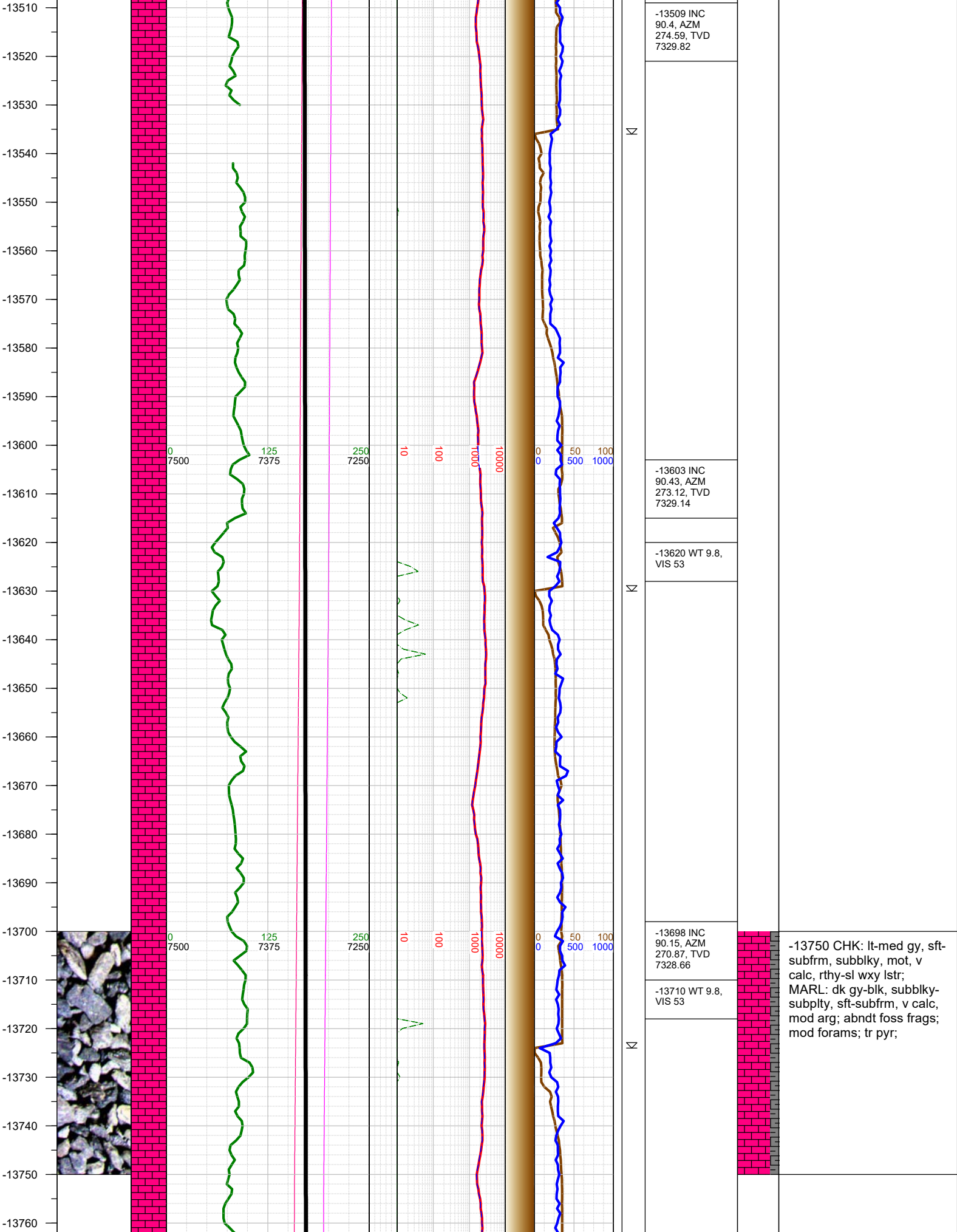
-13400 WT 9.8,
VIS 58

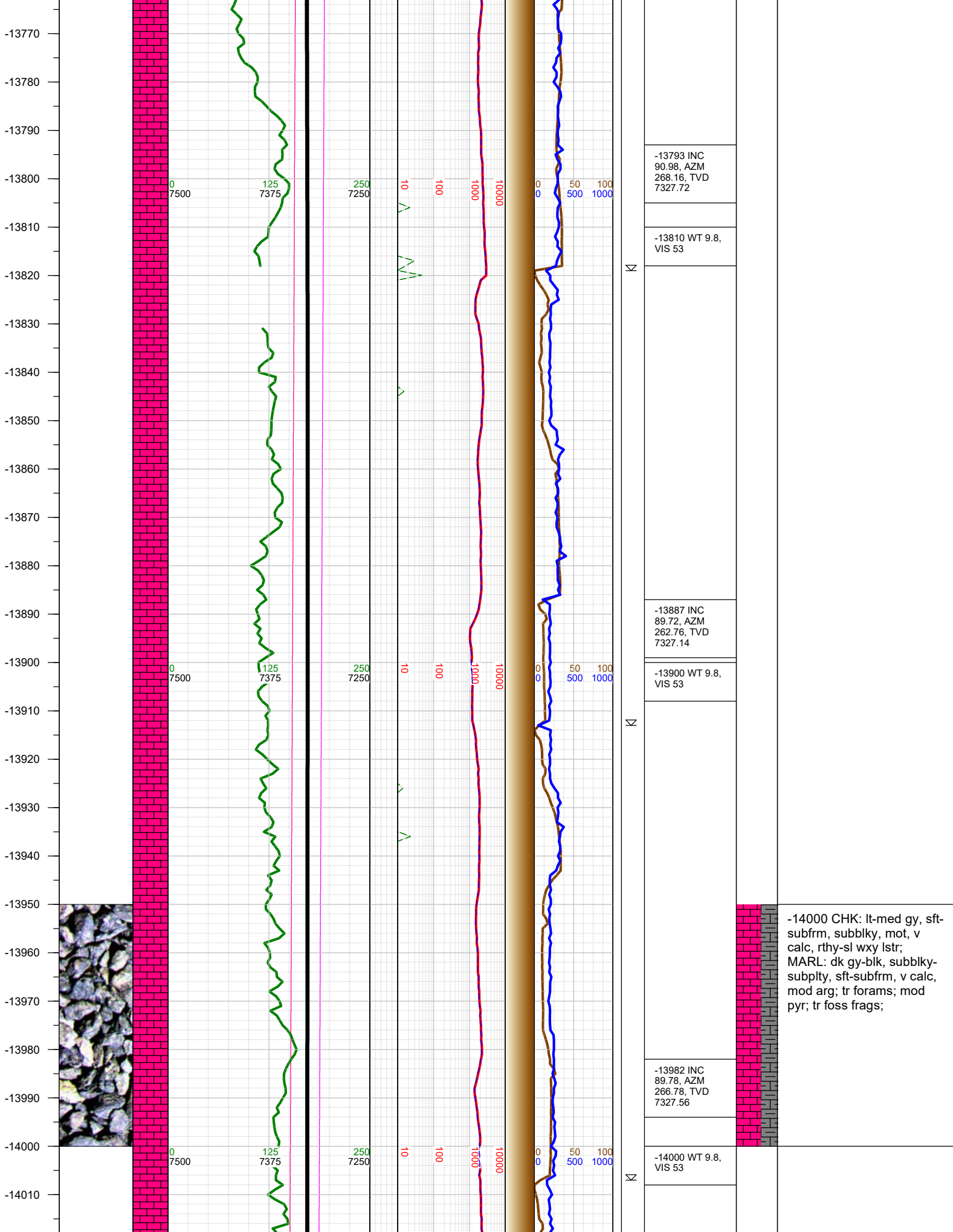
-13414 INC
90.34, AZM
274.27, TVD
7330.43

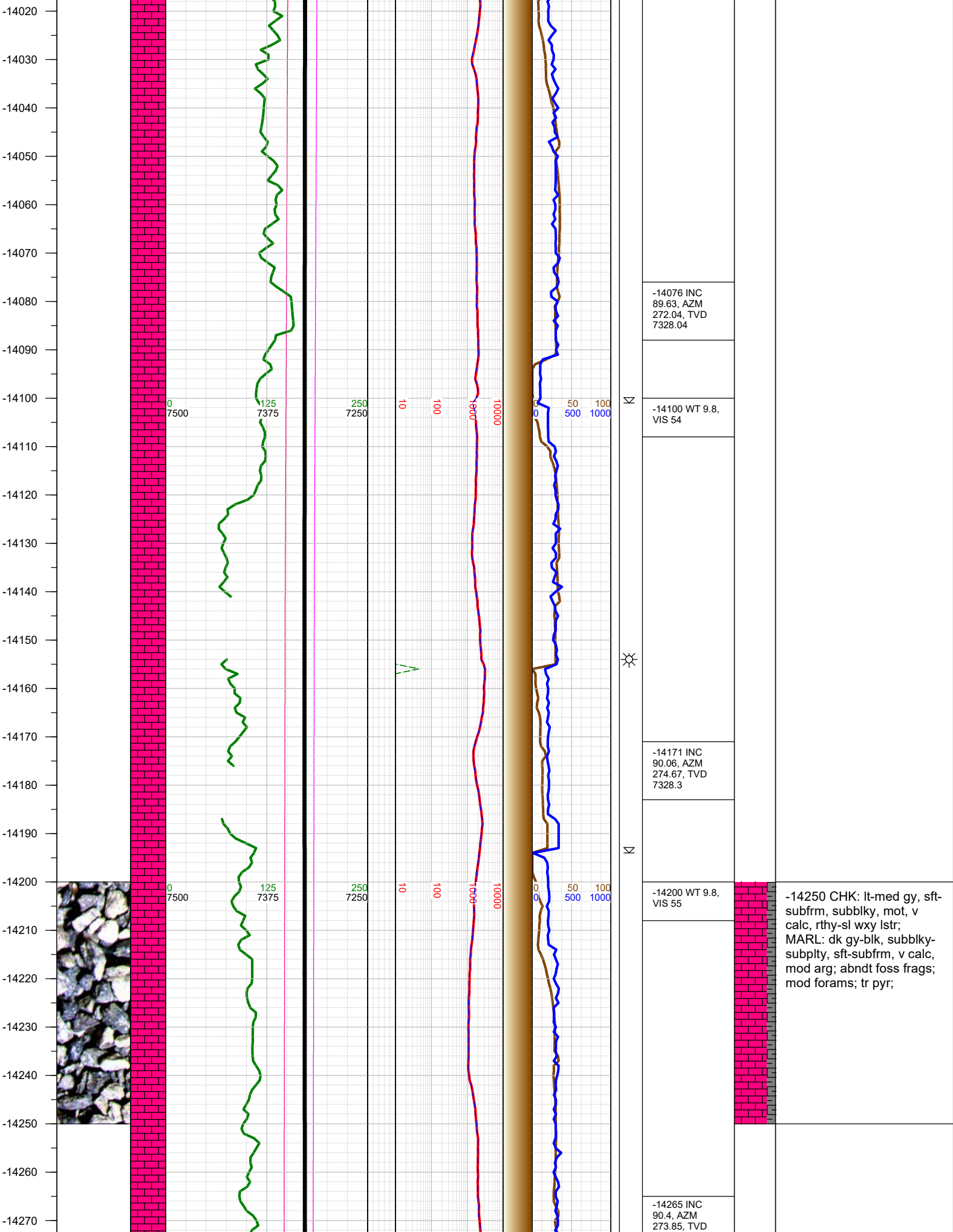
-13418 Fault:
25' up-throw;
stayed in C
Chalk

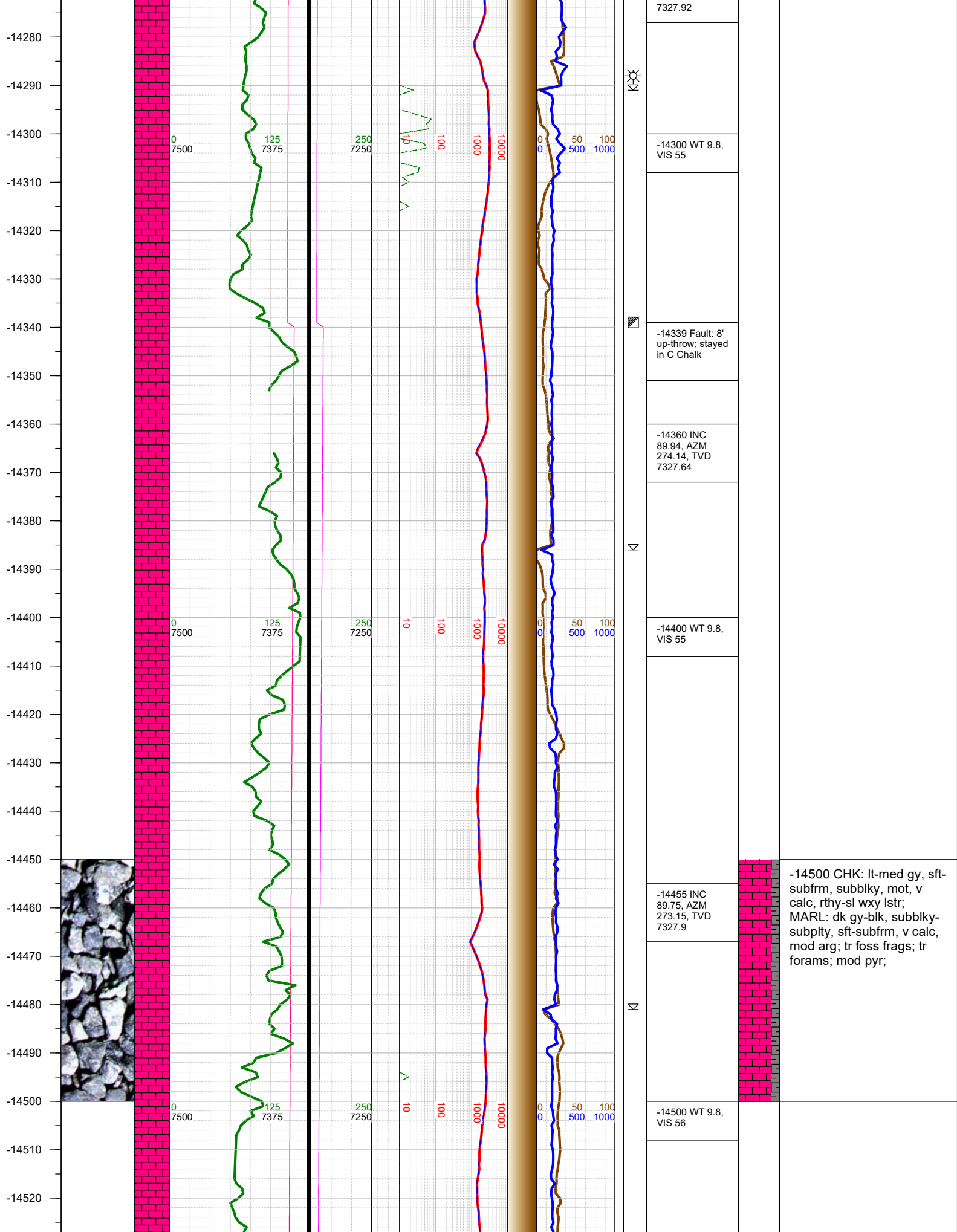
-13500 CHK: lt-med gy, sft-
subfrm, subblky, mot, v
calc, rthy-sl wxy lstr;
MARL: dk gy-blk, subblky-
subpity, sft-subfrm, v calc,
mod arg; tr foss frags; mod
forams; freq pyr;

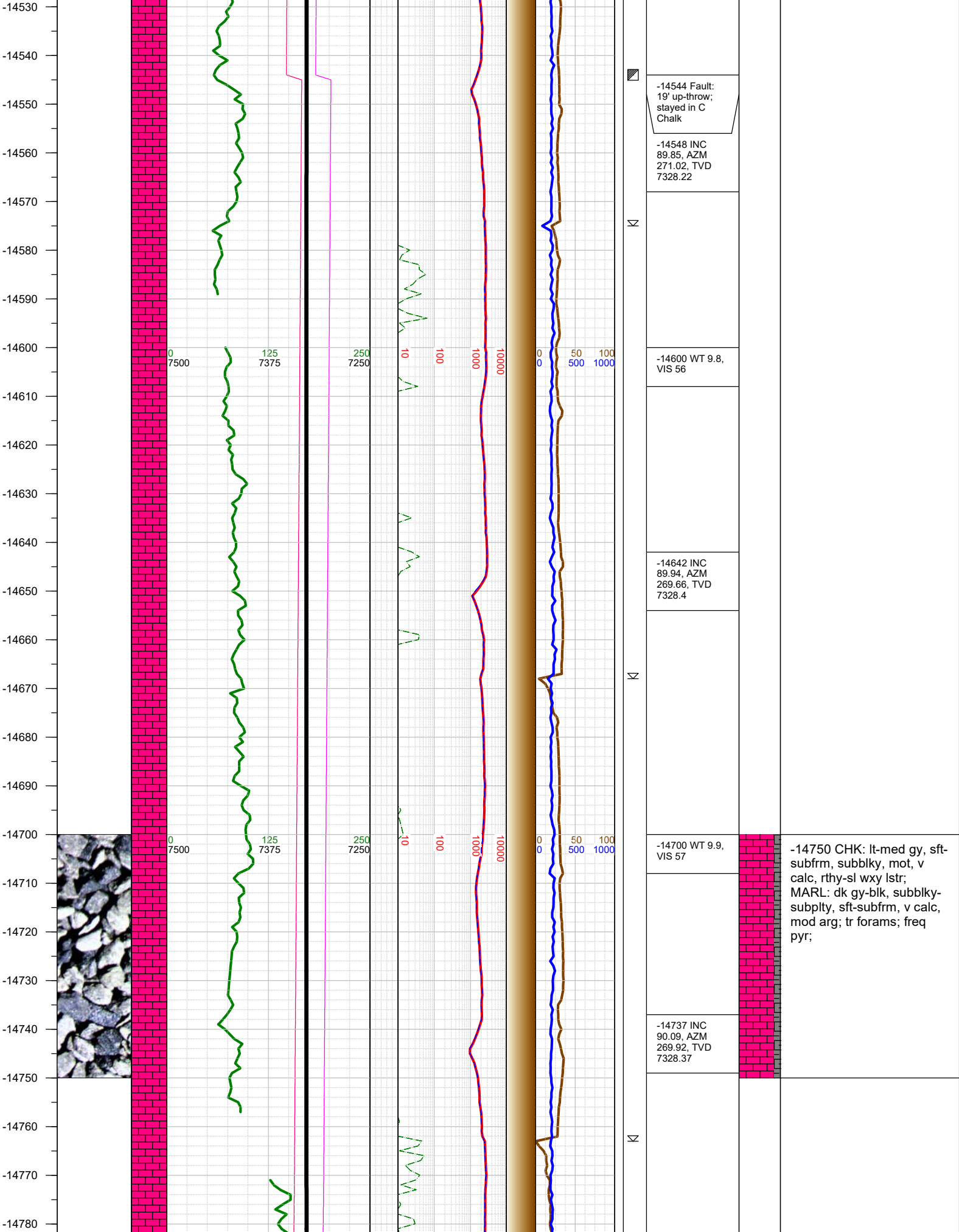
-13500 WT 9.8,
VIS 58

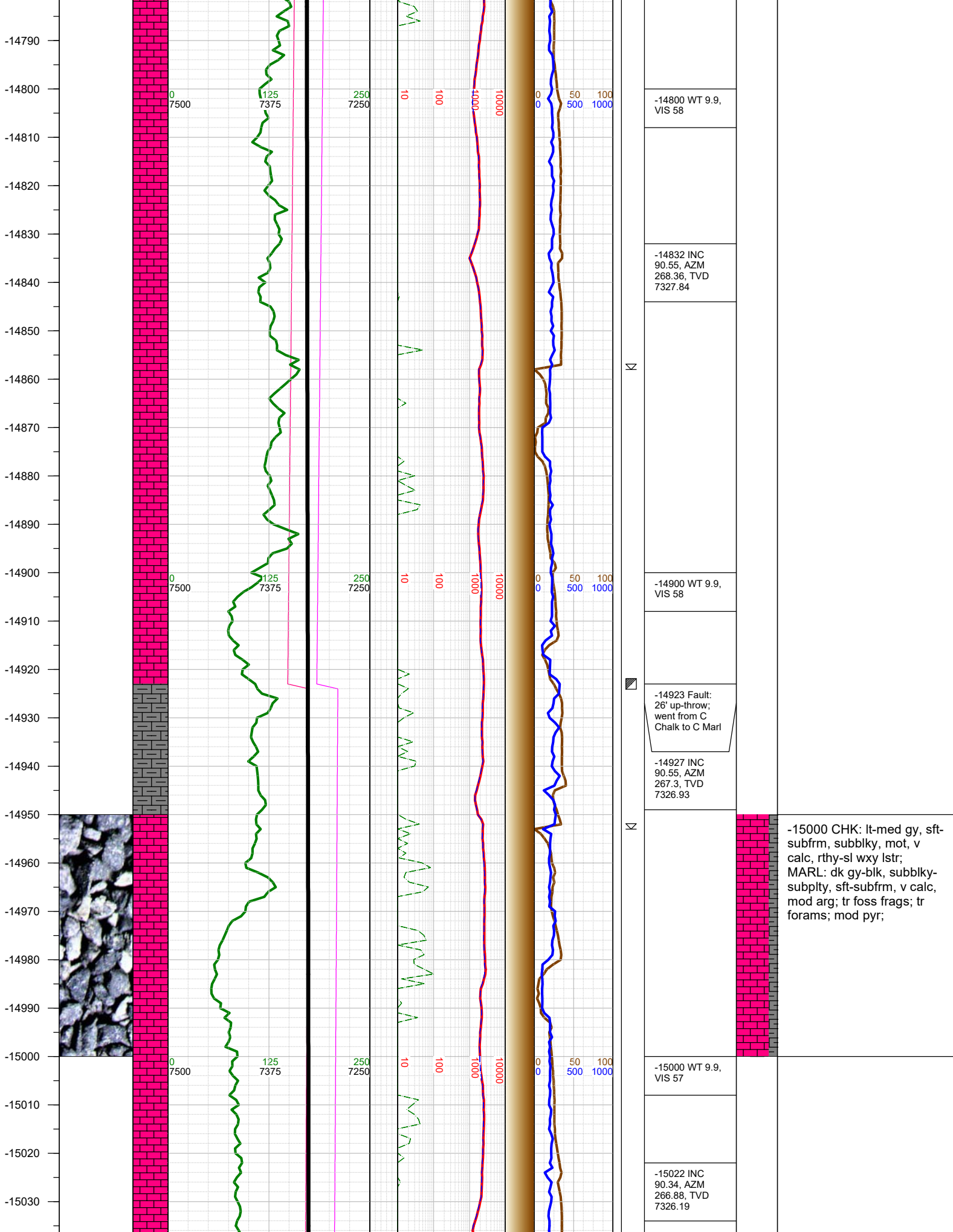












-14800 WT 9.9,
VIS 58

-14832 INC
90.55, AZM
268.36, TVD
7327.84

-14900 WT 9.9,
VIS 58

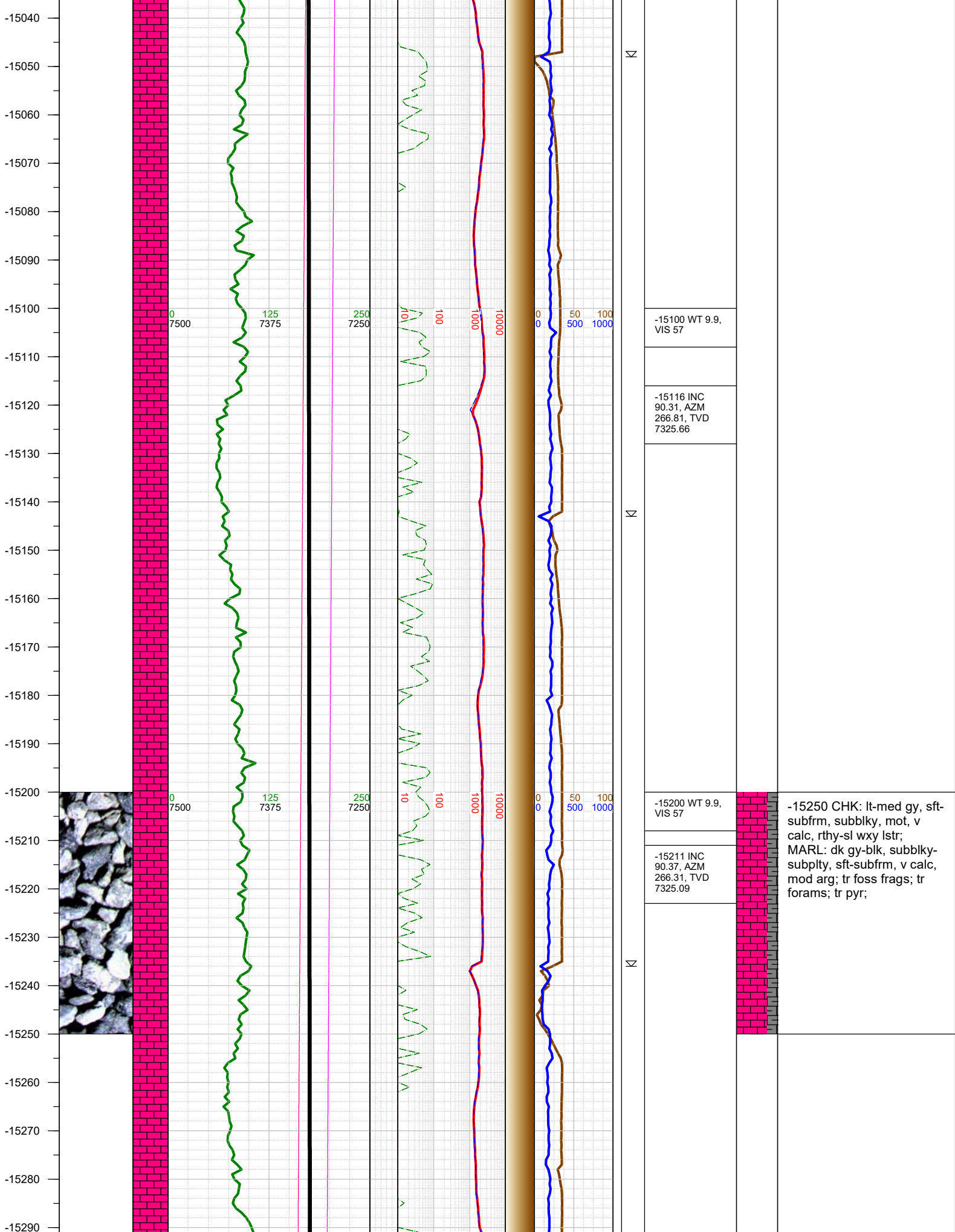
-14923 Fault:
26' up-throw;
went from C
Chalk to C Marl

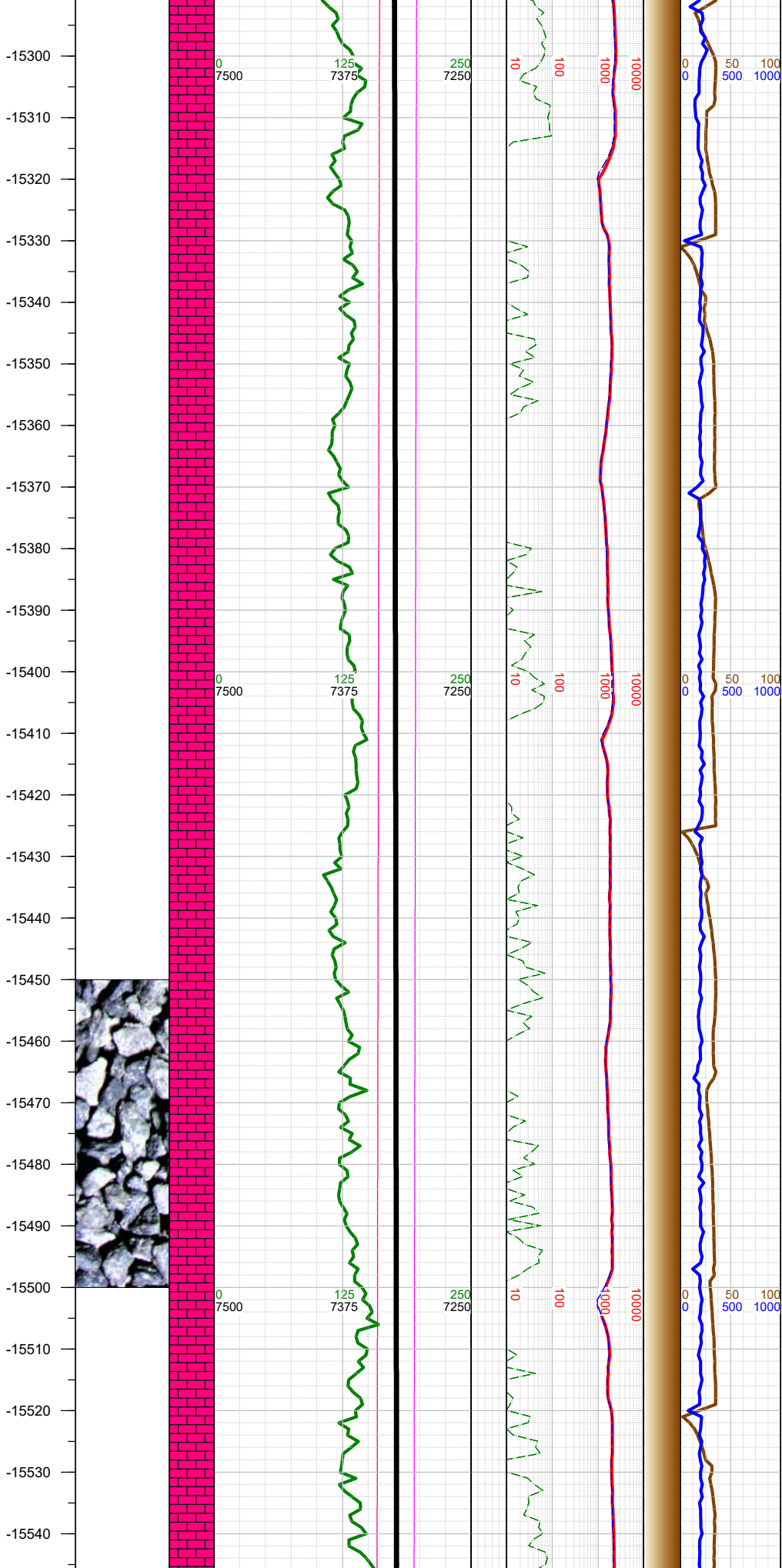
-14927 INC
90.55, AZM
267.3, TVD
7326.93

-15000 CHK: lt-med gy, sft-
subfrm, subblky, mot, v
calc, rthy-sl wxy lstr;
MARL: dk gy-blk, subblky-
subply, sft-subfrm, v calc,
mod arg; tr foss frags; tr
forams; mod pyr;

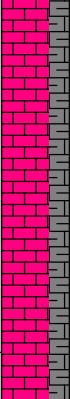
-15000 WT 9.9,
VIS 57

-15022 INC
90.34, AZM
266.88, TVD
7326.19



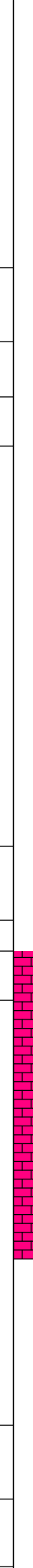
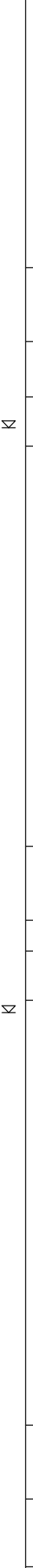
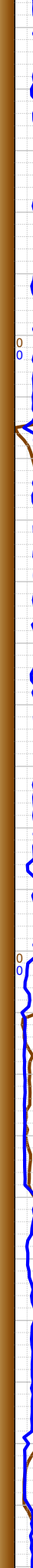
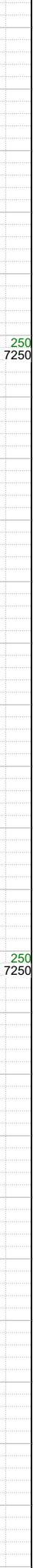
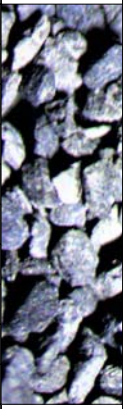


X	-15305 INC 90.43, AZM 266.7, TVD 7324.44
	-15320 WT 9.9, VIS 57
	-15330 0000 hrs on 8/29/2019
X	-15400 INC 90.52, AZM 266.67, TVD 7323.65
	-15420 WT 9.9, VIS 59
	-15494 INC 90.4, AZM 266.84, TVD 7322.9
X	-15510 WT 9.9, VIS 59



-15500 CHK: lt-med gy, sft-subfrm, subblky, mot, v calc, rthy-sl wxy lstr; MARL: dk gy-blk, subblky-subply, sft-subfrm, v calc, mod arg; mod foss frags; mod forams; tr pyr;

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-15690
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-15790
-15800



-15589 INC
90.46, AZM
267.57, TVD
7322.18

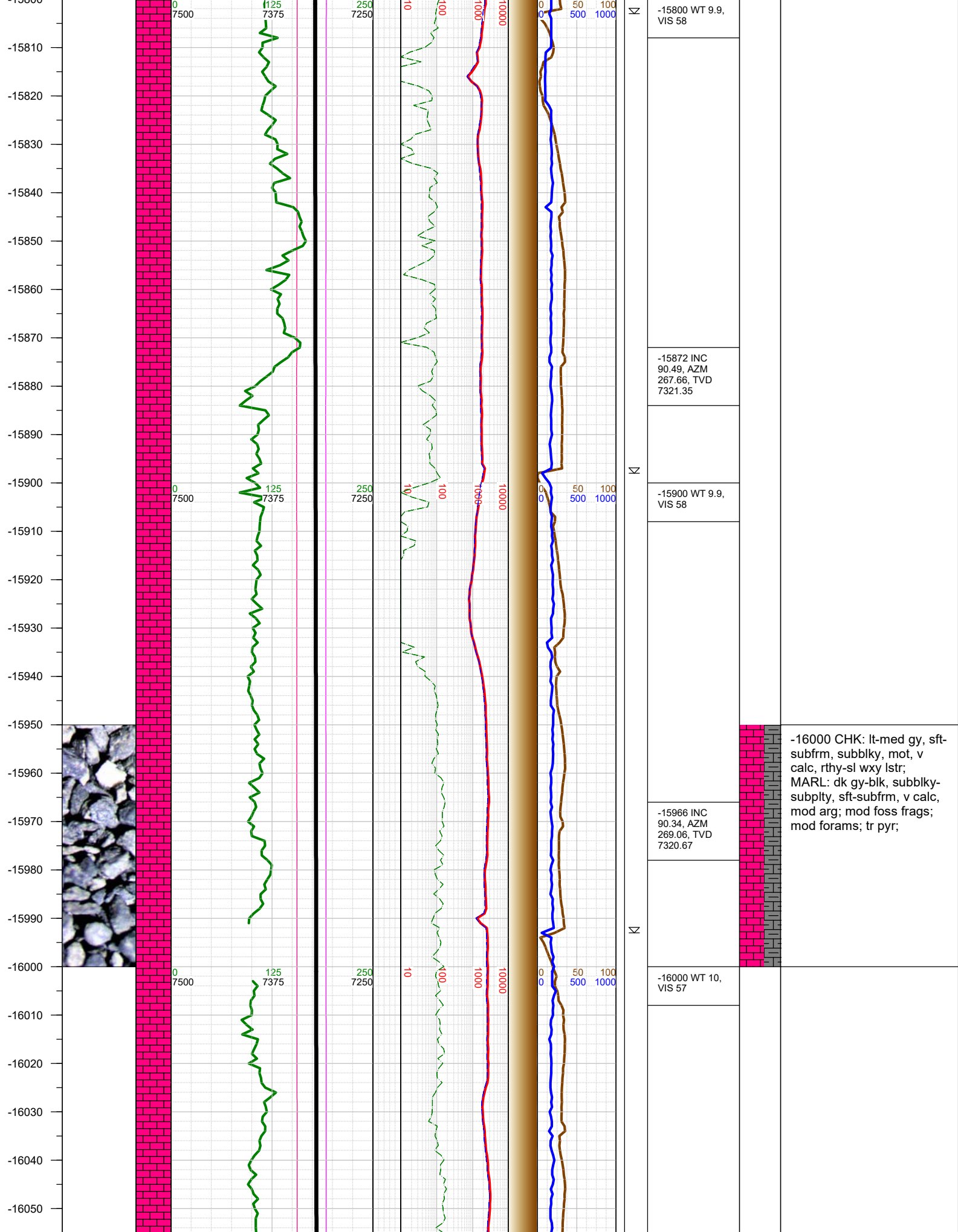
-15610 WT 9.9,
VIS 59

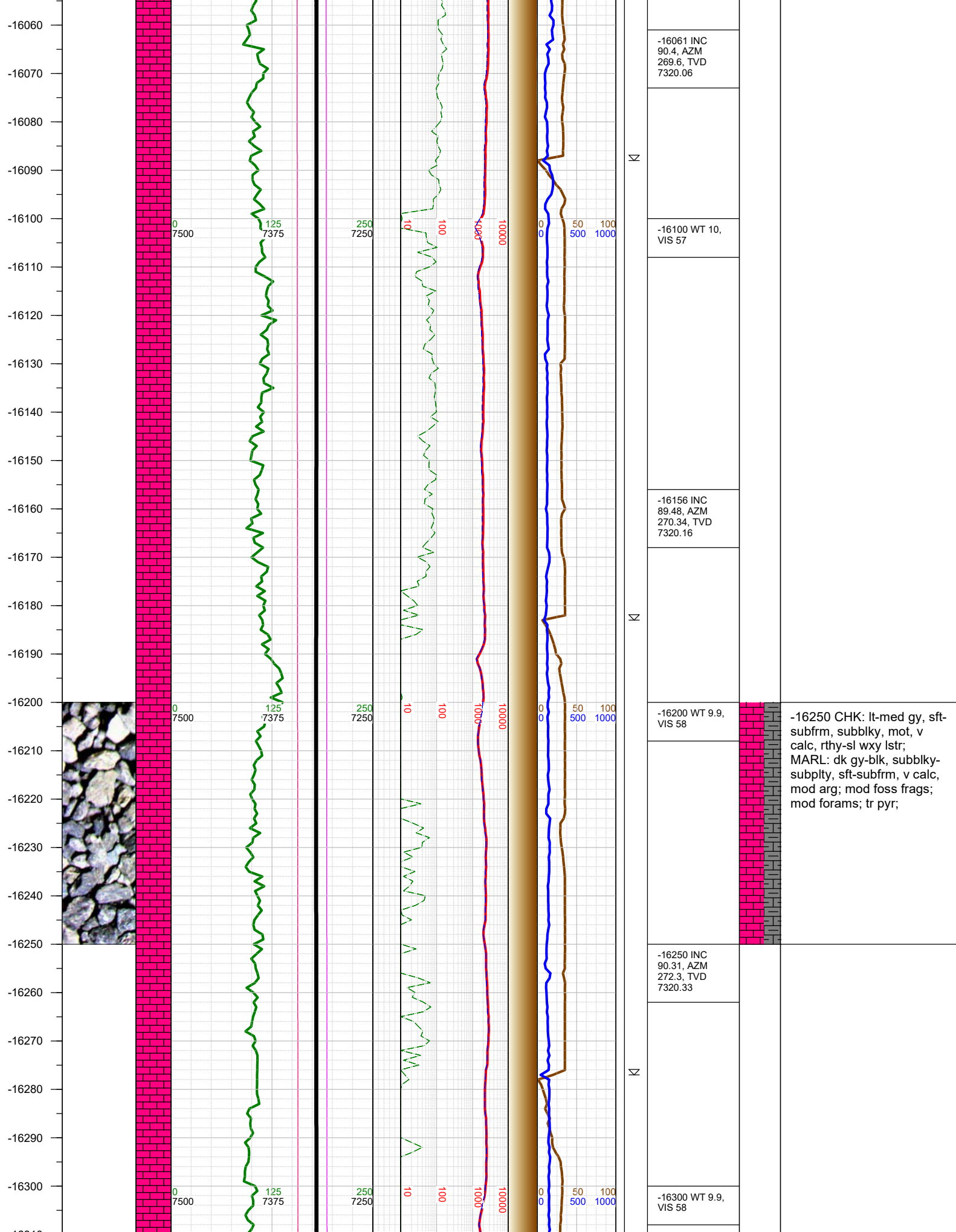
-15683 INC
90.25, AZM
268.77, TVD
7321.6

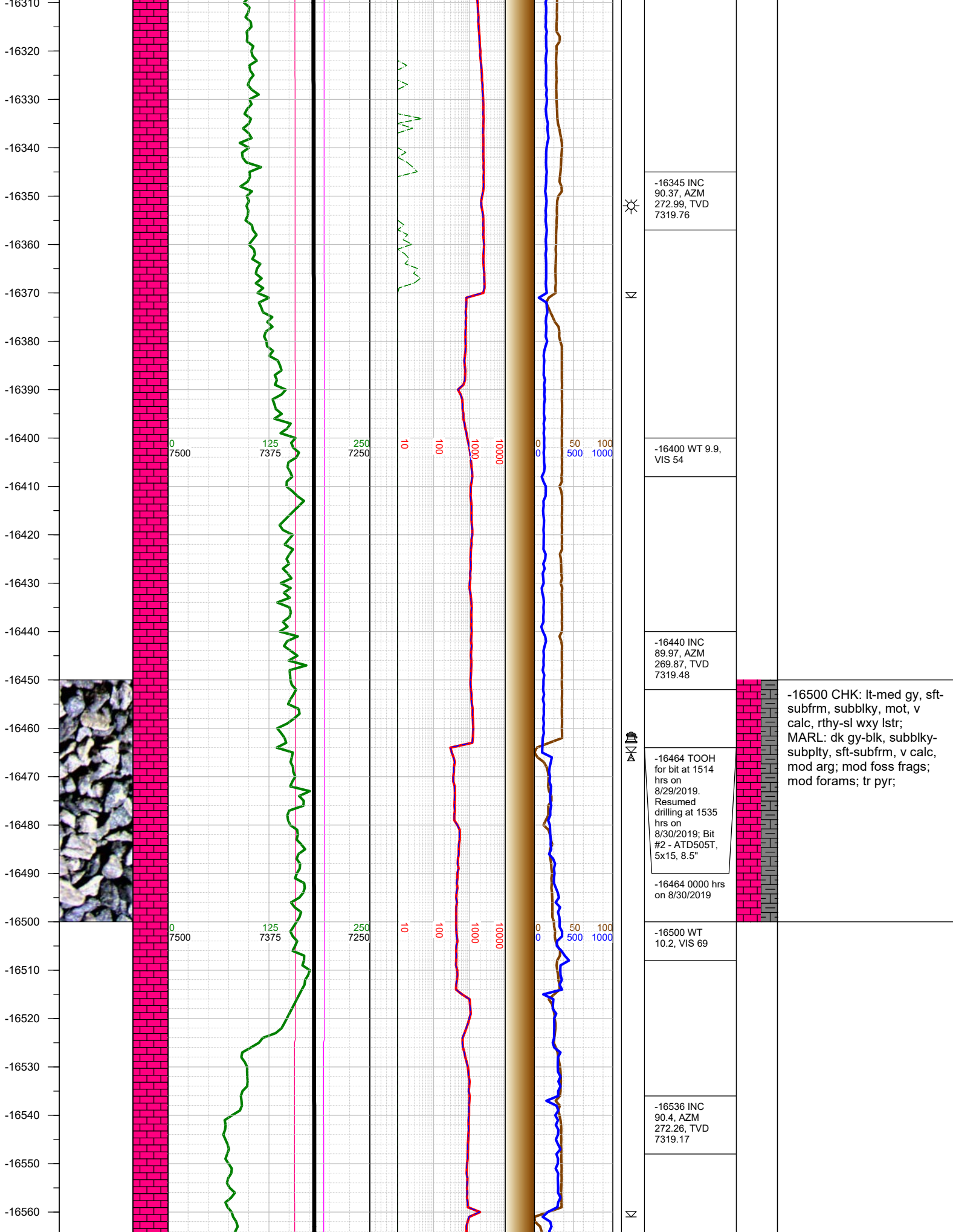
-15700 WT 9.9,
VIS 59

-15777 INC
89.78, AZM
267.24, TVD
7321.58

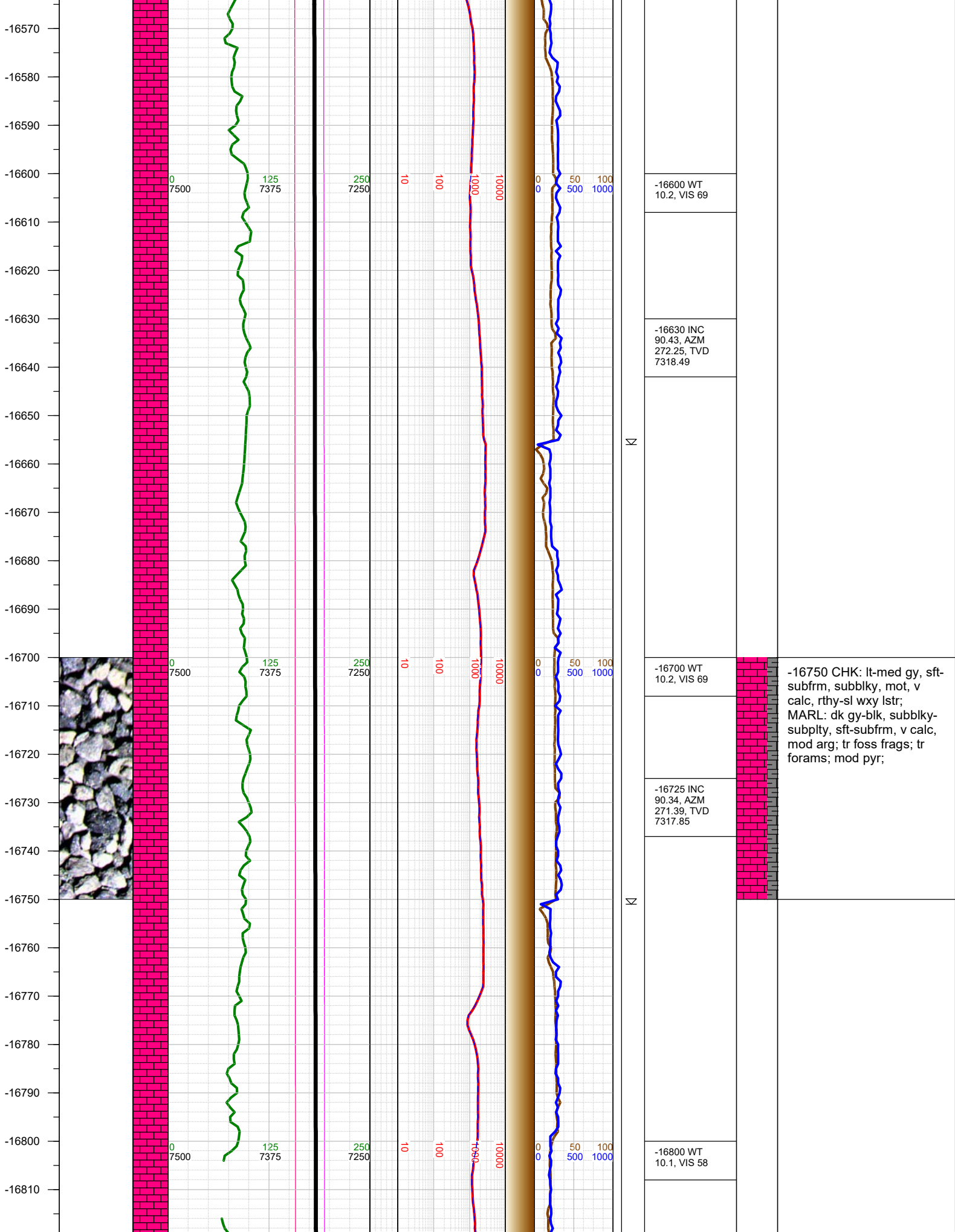
-15750 CHK: lt-med gy, sft-
subfrm, subblky, mot, v
calc, rthy-sl wxy lstr;
MARL: dk gy-blk, subblky-
subply, sft-subfrm, v calc,
mod arg; mod foss frags;
mod forams; tr pyr;

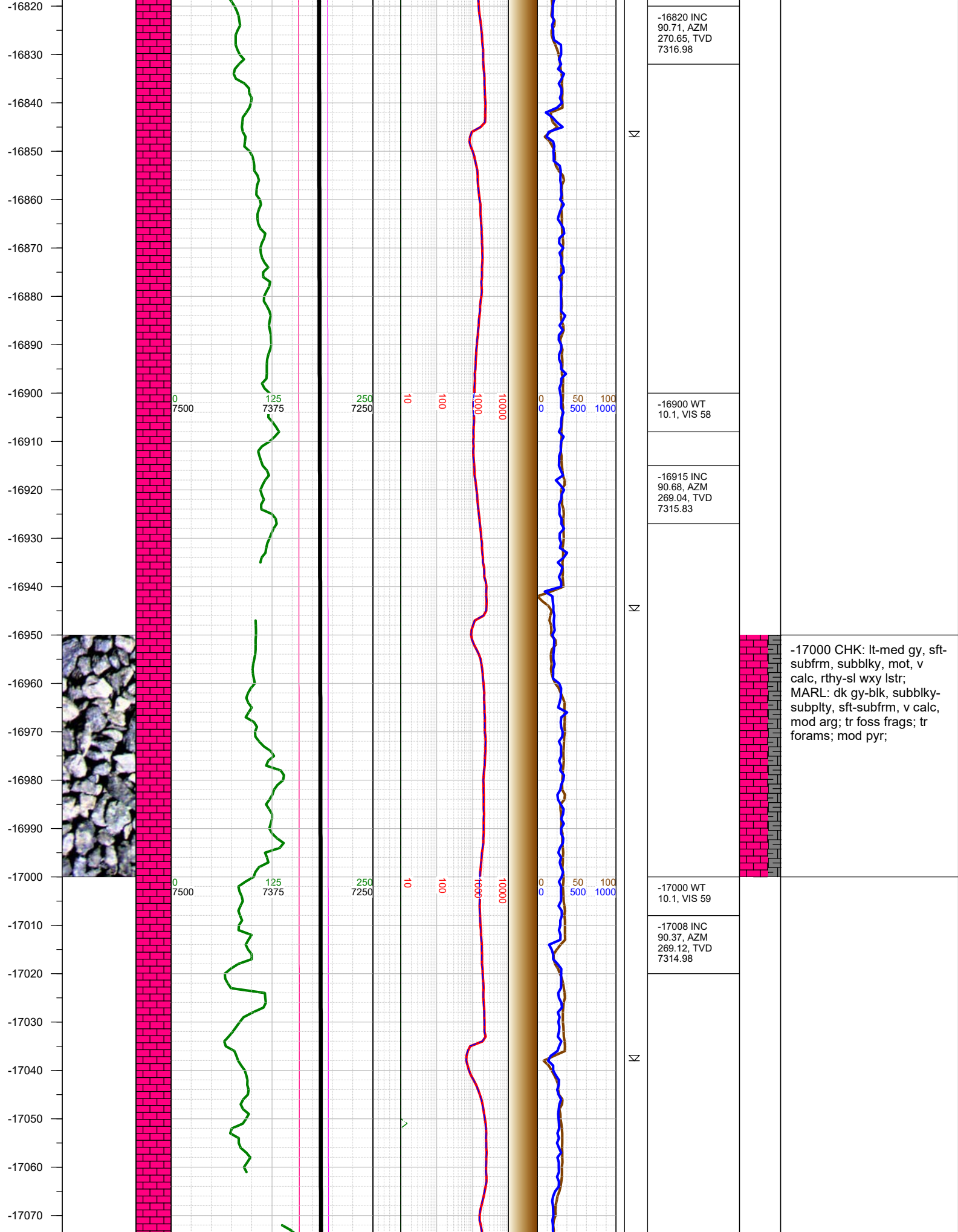


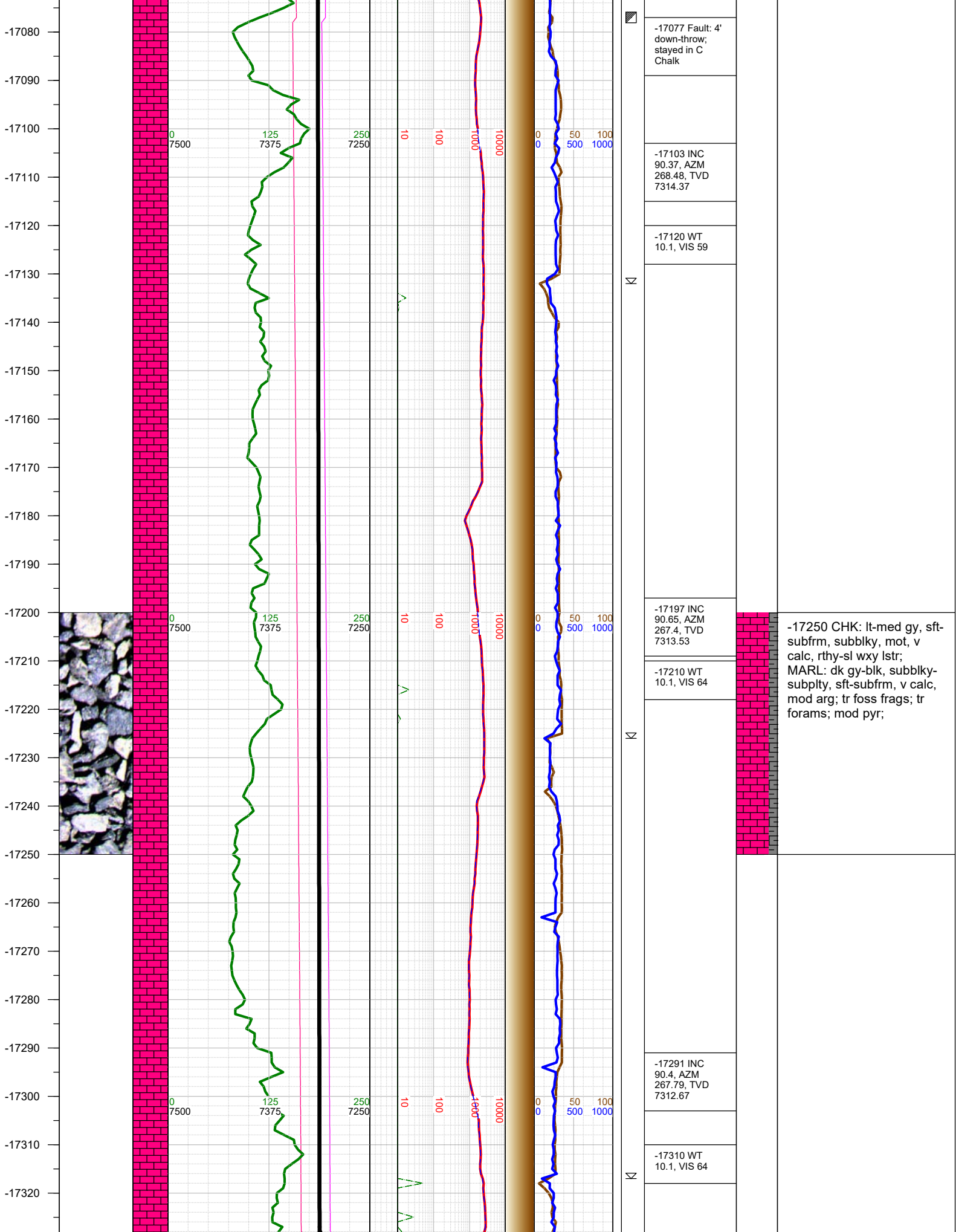




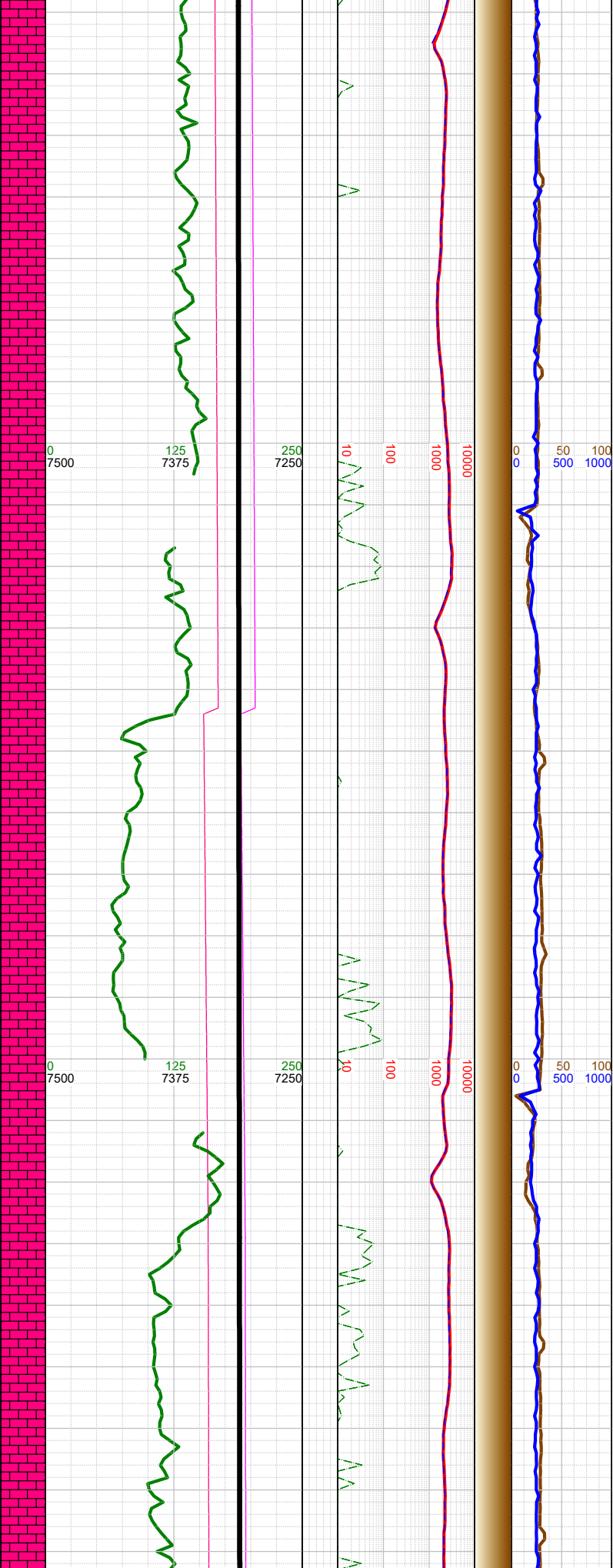
-16500 CHK: lt-med gy, sft-subfrm, subblky, mot, v calc, rthy-sl wxy lstr; MARL: dk gy-blk, subblky-subply, sft-subfrm, v calc, mod arg; mod foss frags; mod forams; tr pyr;



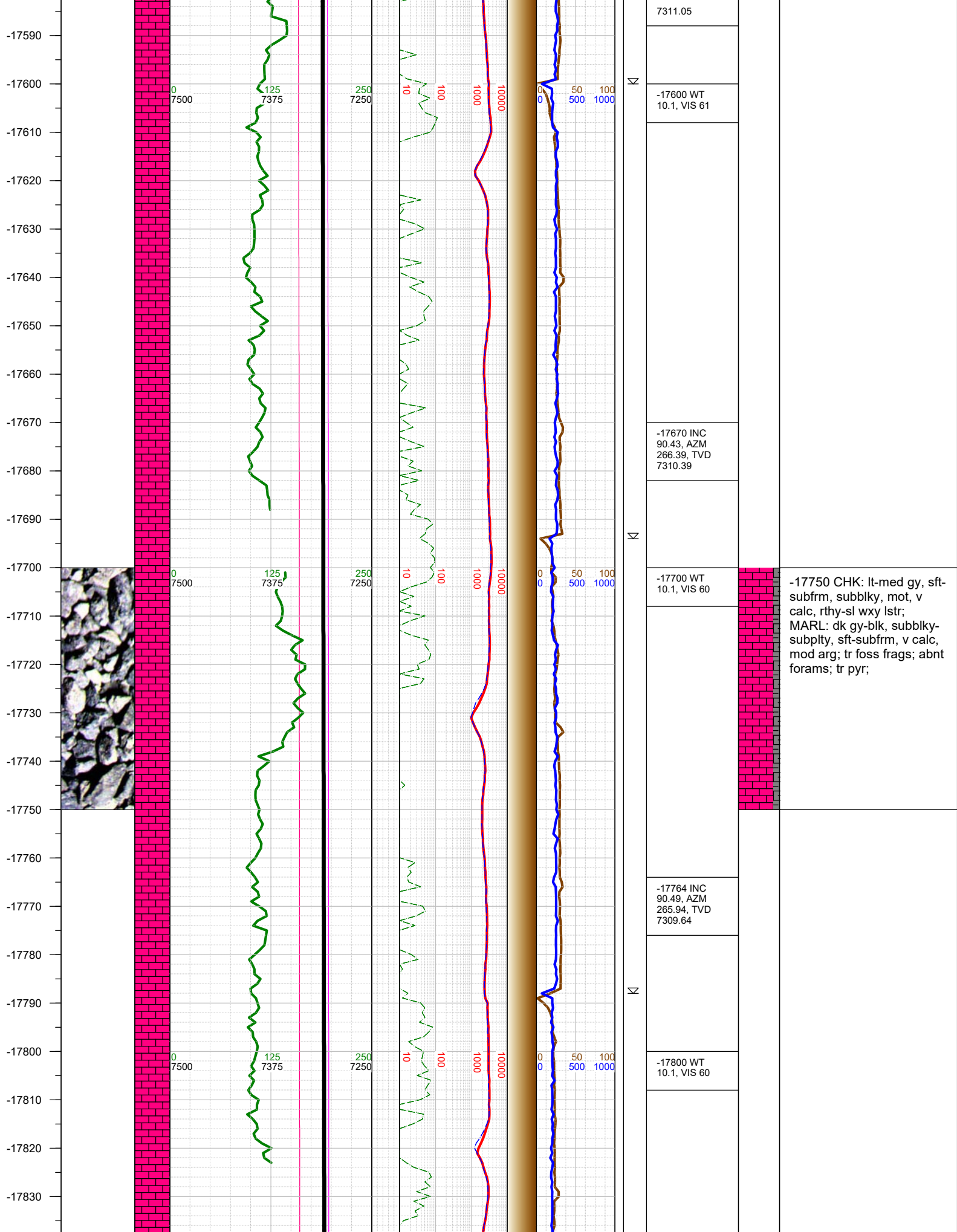




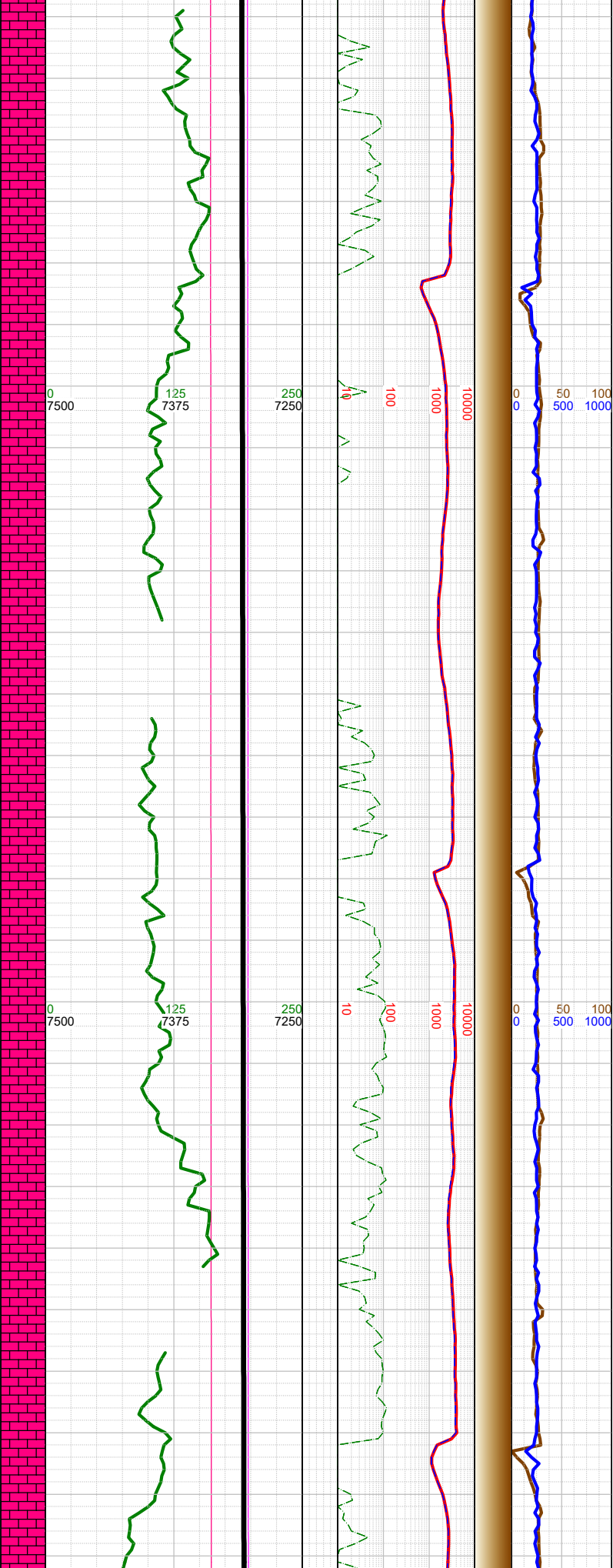
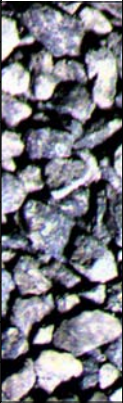
-17330
-17340
-17350
-17360
-17370
-17380
-17390
-17400
-17410
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-17570
-17580



	-17386 INC 90.22, AZM 269.09, TVD 7312.15		
	-17400 WT 10.1, VIS 59		
⌵			
▨	-17443 Fault: 14' down-throw; stayed in C Chalk		
			-17500 CHK: lt-med gy, sft- subfrm, subblky, mot, v calc, rthy-sl wxy lstr; MARL: dk gy-blk, subblky- subply, sft-subfrm, v calc, mod arg; tr foss frags; freq forams; tr pyr;
☀	-17481 INC 90.37, AZM 268.05, TVD 7311.66		
⌵	-17500 WT 10.1, VIS 61		
	-17576 INC 90.37, AZM 267.13, TVD		



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



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Σ

-17856 INC
90.52, AZM
266.26, TVD
7308.83

-17881 0000 hrs
on 8/31/2019

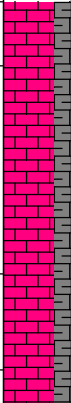
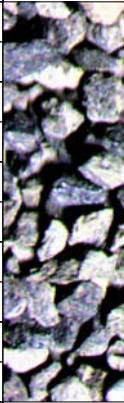
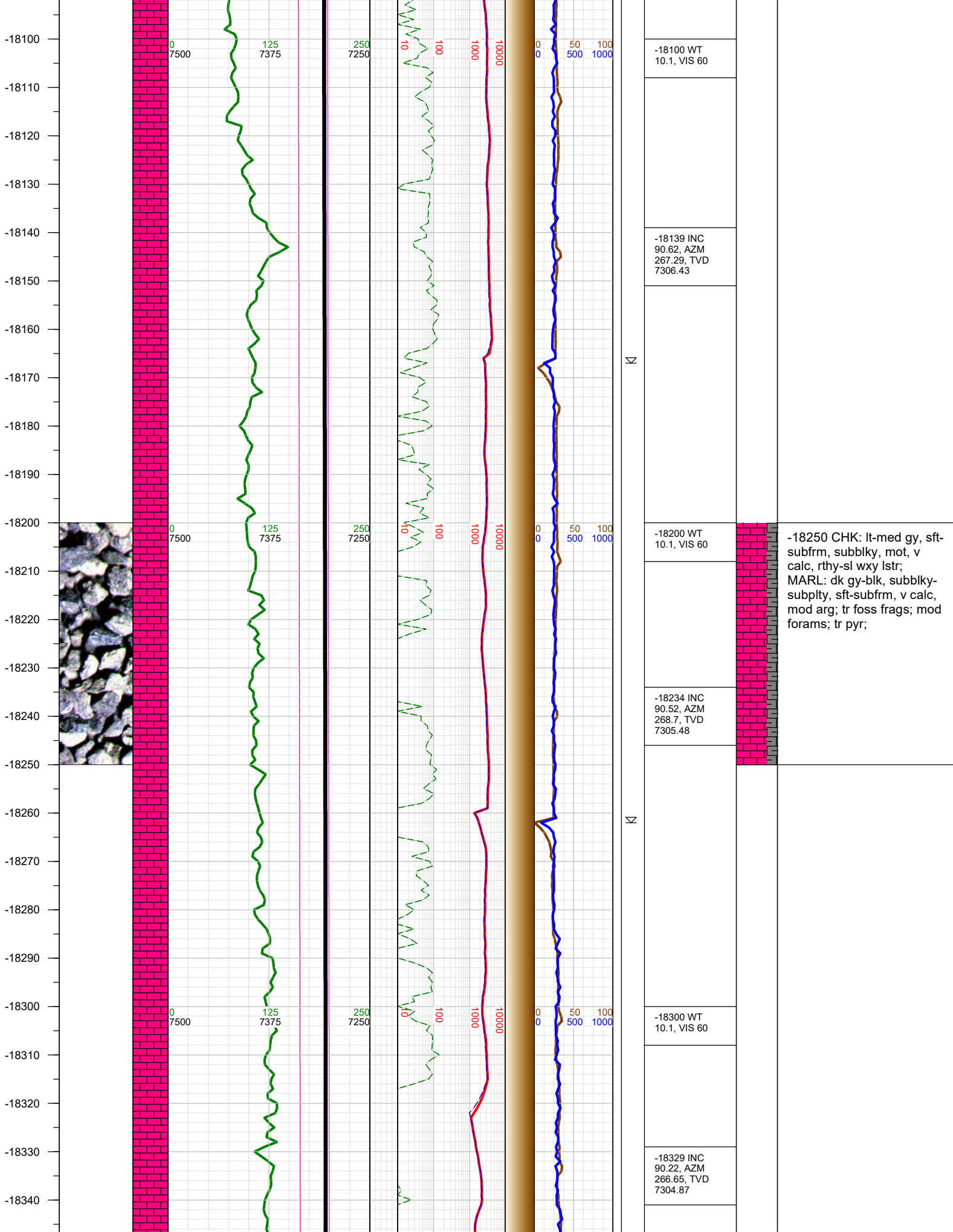
-17900 WT
10.1, VIS 60

-17951 INC
90.43, AZM 268,
TVD 7308.04

-18000 WT
10.1, VIS 60

-18045 INC
90.46, AZM
267.58, TVD
7307.31

-18000 CHK: lt-med gy, sft-subfrm, subblky, mot, v calc, rthy-sl wxy lstr; MARL: dk gy-blk, subblky-subply, sft-subfrm, v calc, mod arg; tr foss frags; abnt forams; tr pyr;



-18250 CHK: lt-med gy, sft-subfrm, subblky, mot, v calc, rthy-sl wxy lstr; MARL: dk gy-blk, subblky-subply, sft-subfrm, v calc, mod arg; tr foss frags; mod forams; tr pyr;

