

OPERATOR: **Extraction Oil & Gas**
WELL NAME: **Coyote Trails 34S-20-14C**

FIELD NAME: DJ Basin - Wattenberg
DRILLING RIG: Patterson 901
API #: 05-123-45984

LAT/LONG: 40.017973, -105.006446
SURFACE HOLE: SWSE S28-T1N-R68W, 1145' FSL, 2067' FEL
BOTTOM HOLE: S3-T1S-R68W, 150' FSL, 1236' FWL

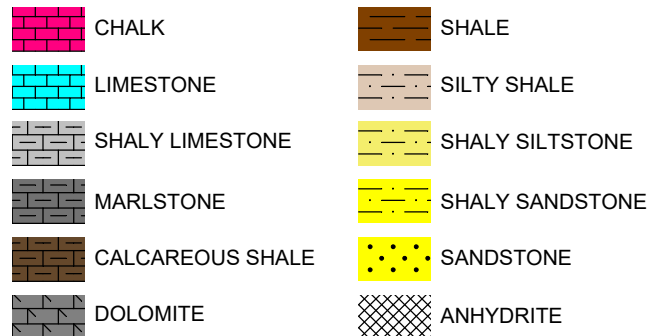


Earth Science Agency, LLC

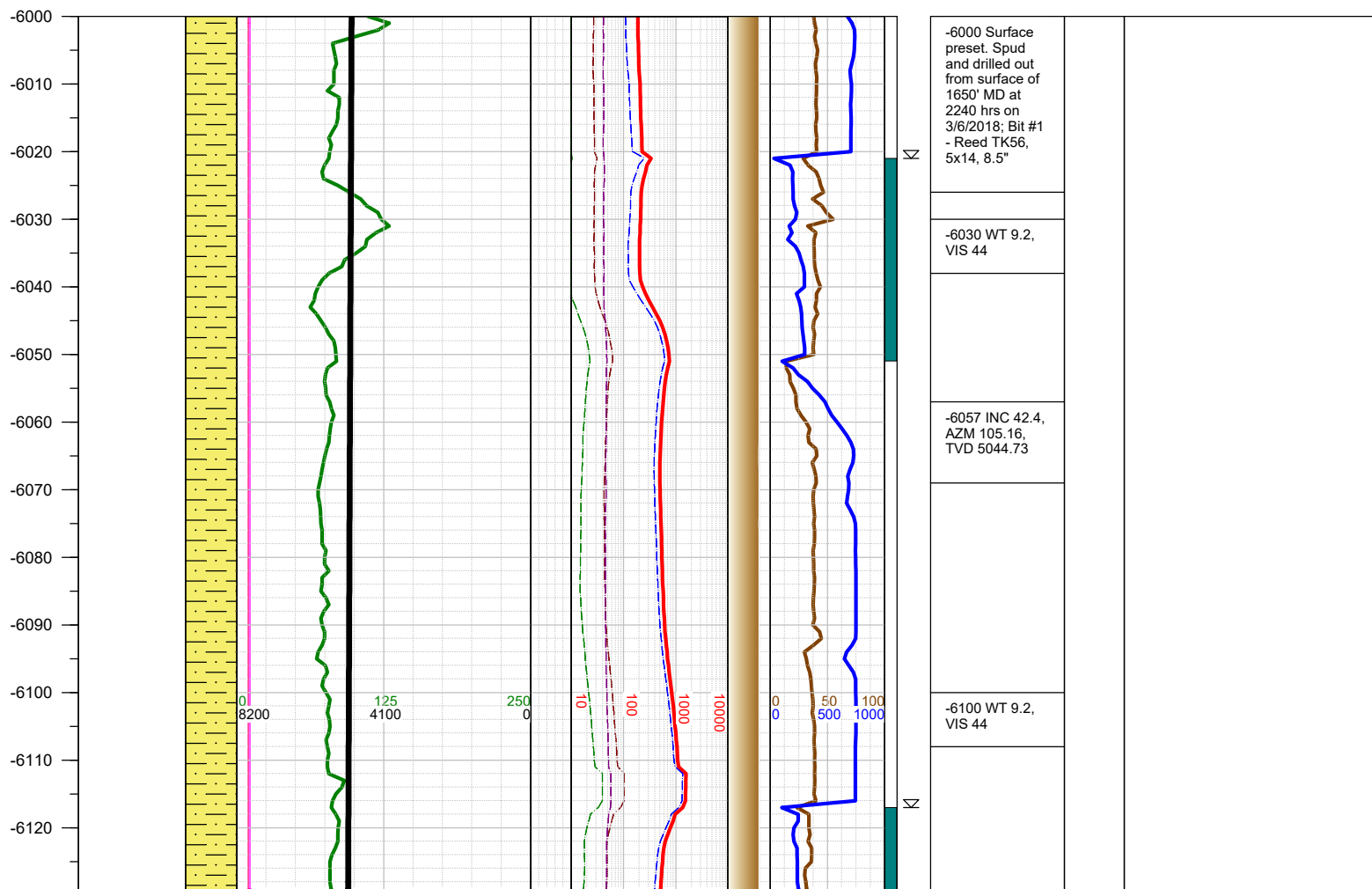
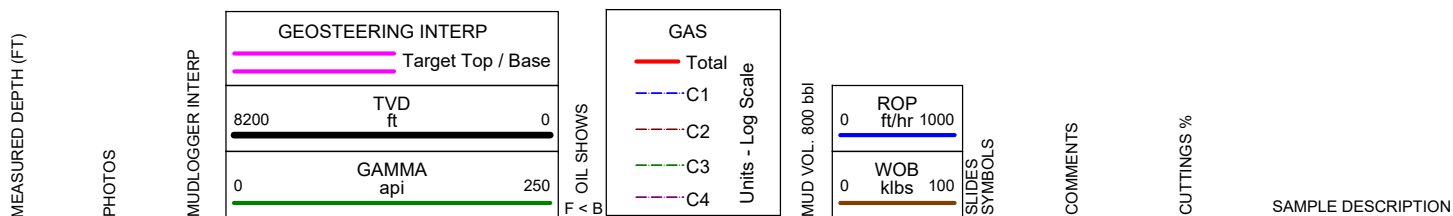
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 5272'
KELLY BUSHING: 5301'
DRILLING FLUID: OBM
TVD VS. MD: 7903' / 19064'
SPUD DATE: March 6, 2018
TD DATE: March 10, 2018

DEPTHS LOGGED: 6000' - 19064'
DATES LOGGED: March 7, 2018 - March 10, 2018
GEOLOGISTS: Blake Eatherton, Dominic Pitre
SCALE: 5" = 100'

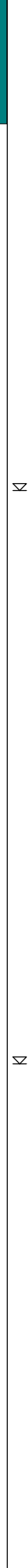
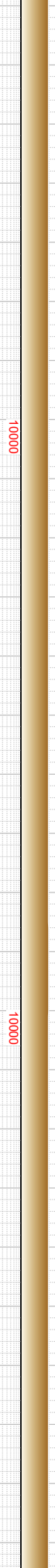
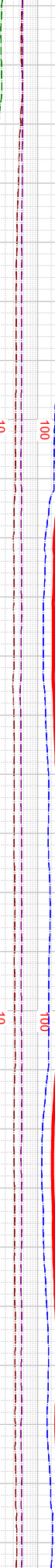
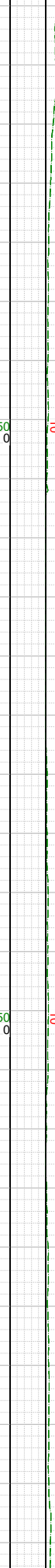
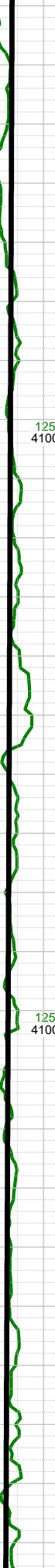
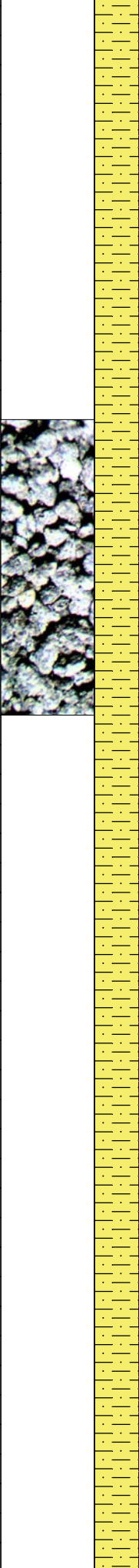
LEGEND



FORMATION \approx CONNECTION Δ MIDNIGHT NEW BIT GAS SHOW FAULT



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-6152 INC
45.11, AZM
105.16, TVD
5113.34

-6200 WT 9.2,
VIS 44

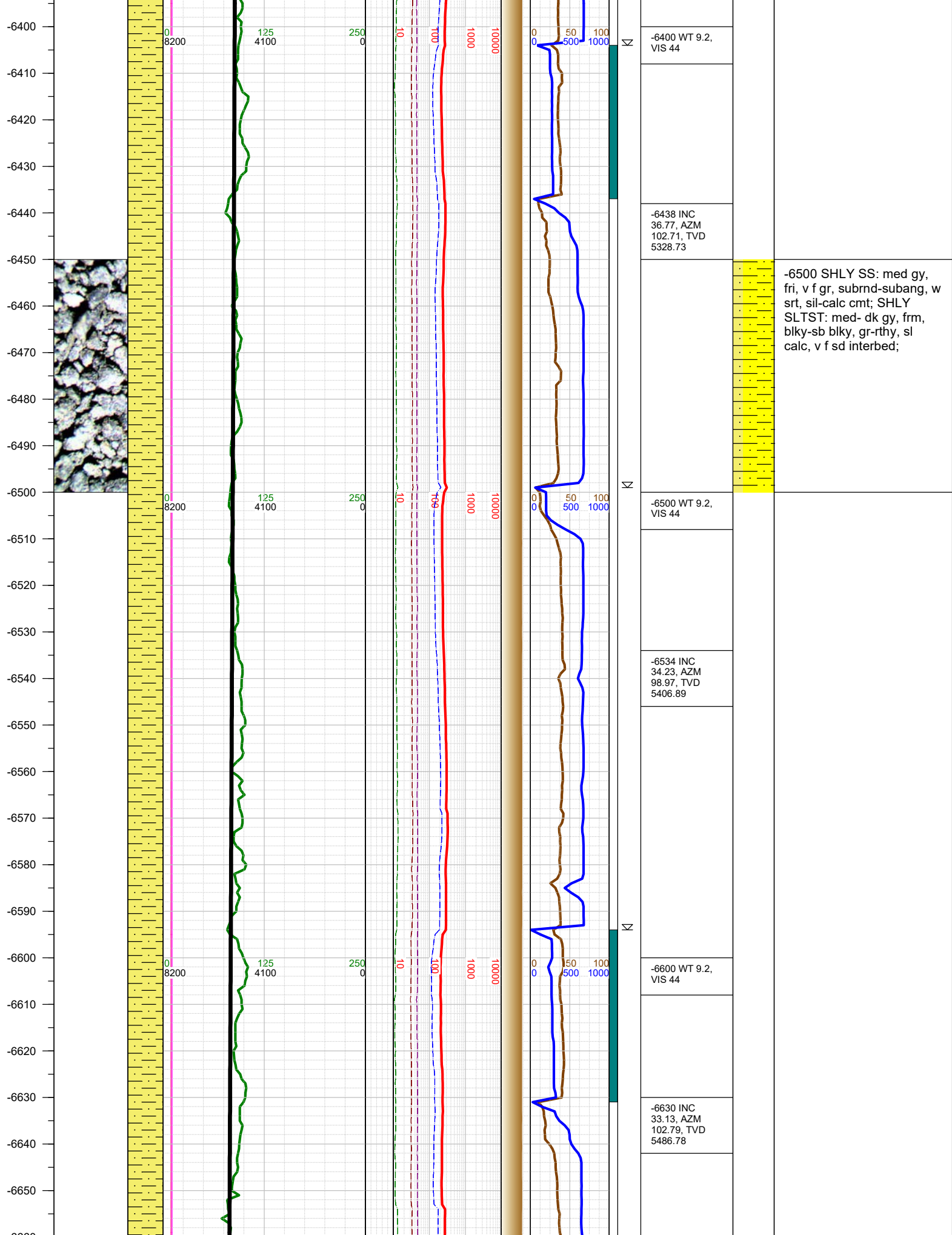
-6247 INC
42.68, AZM
102.86, TVD
5181.8

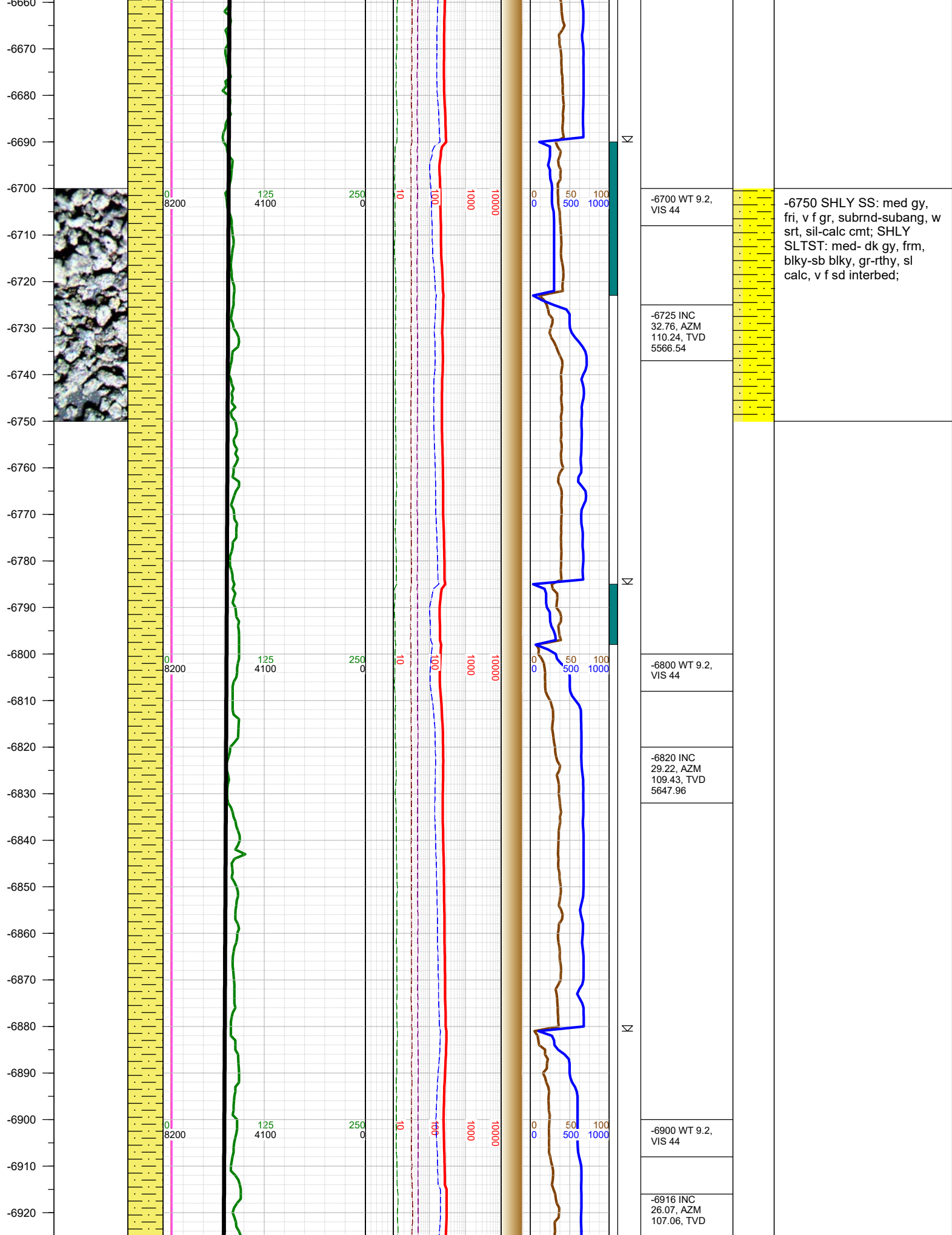
-6300 WT 9.2,
VIS 44

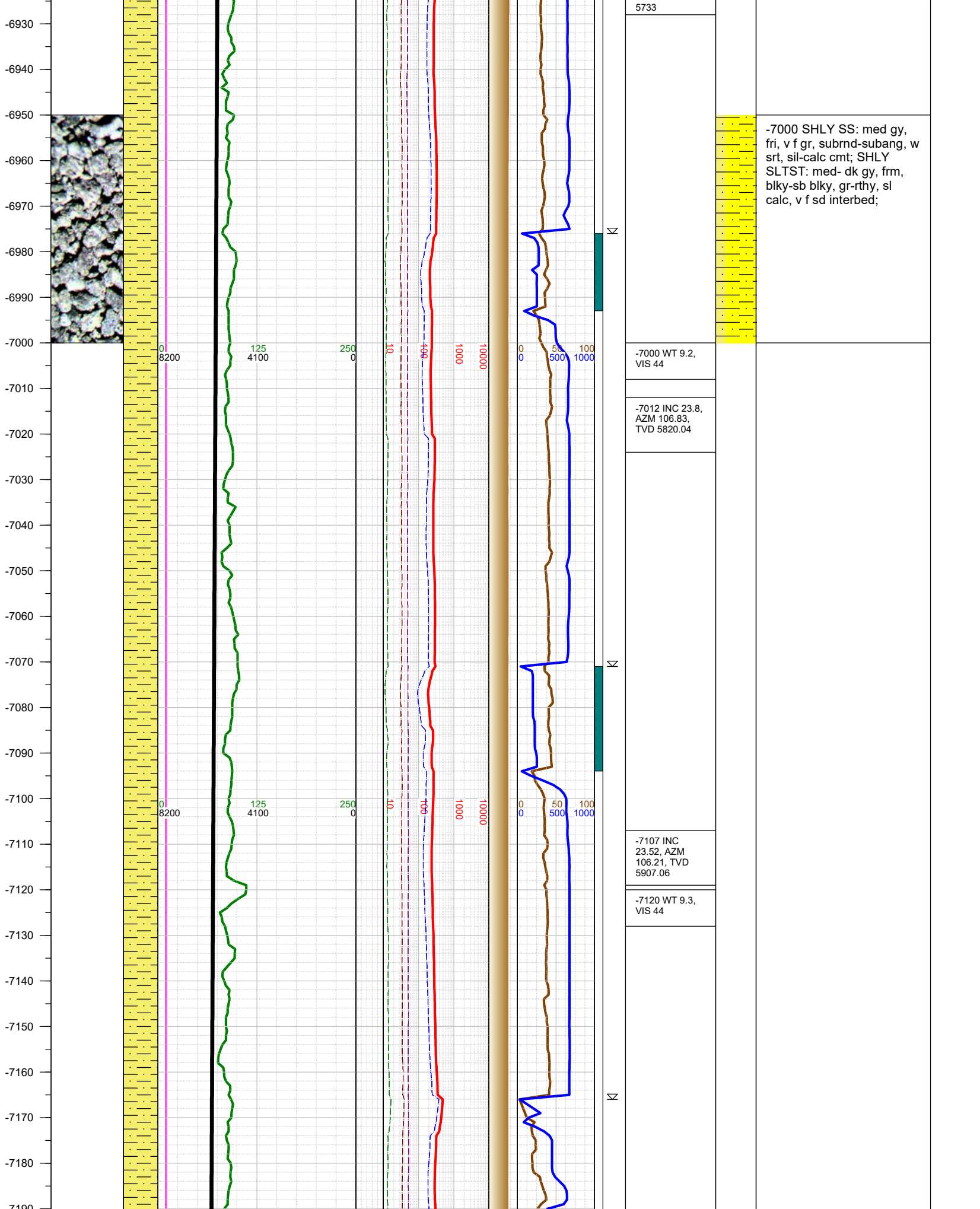
-6343 INC
39.64, AZM
99.23, TVD
5254.08

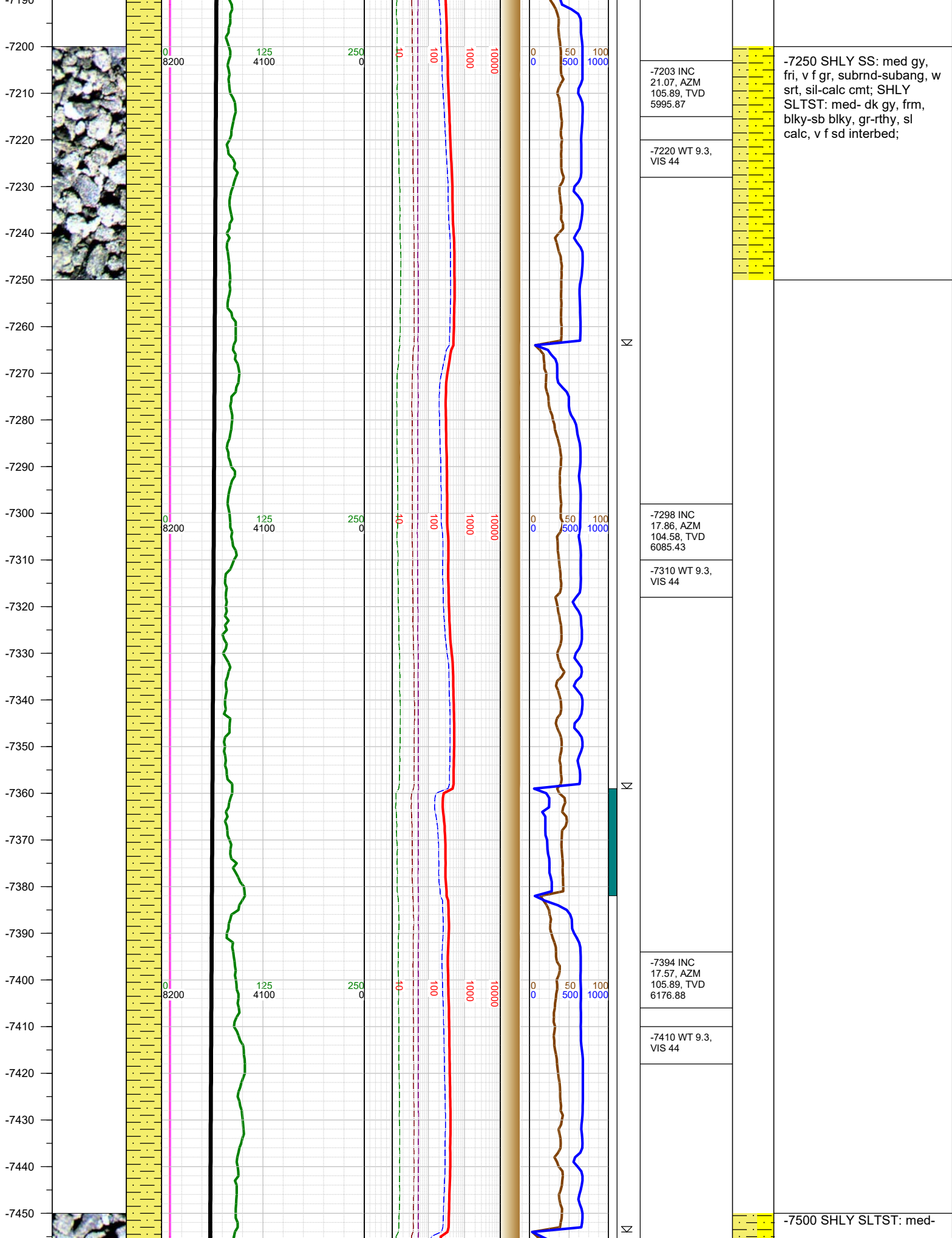


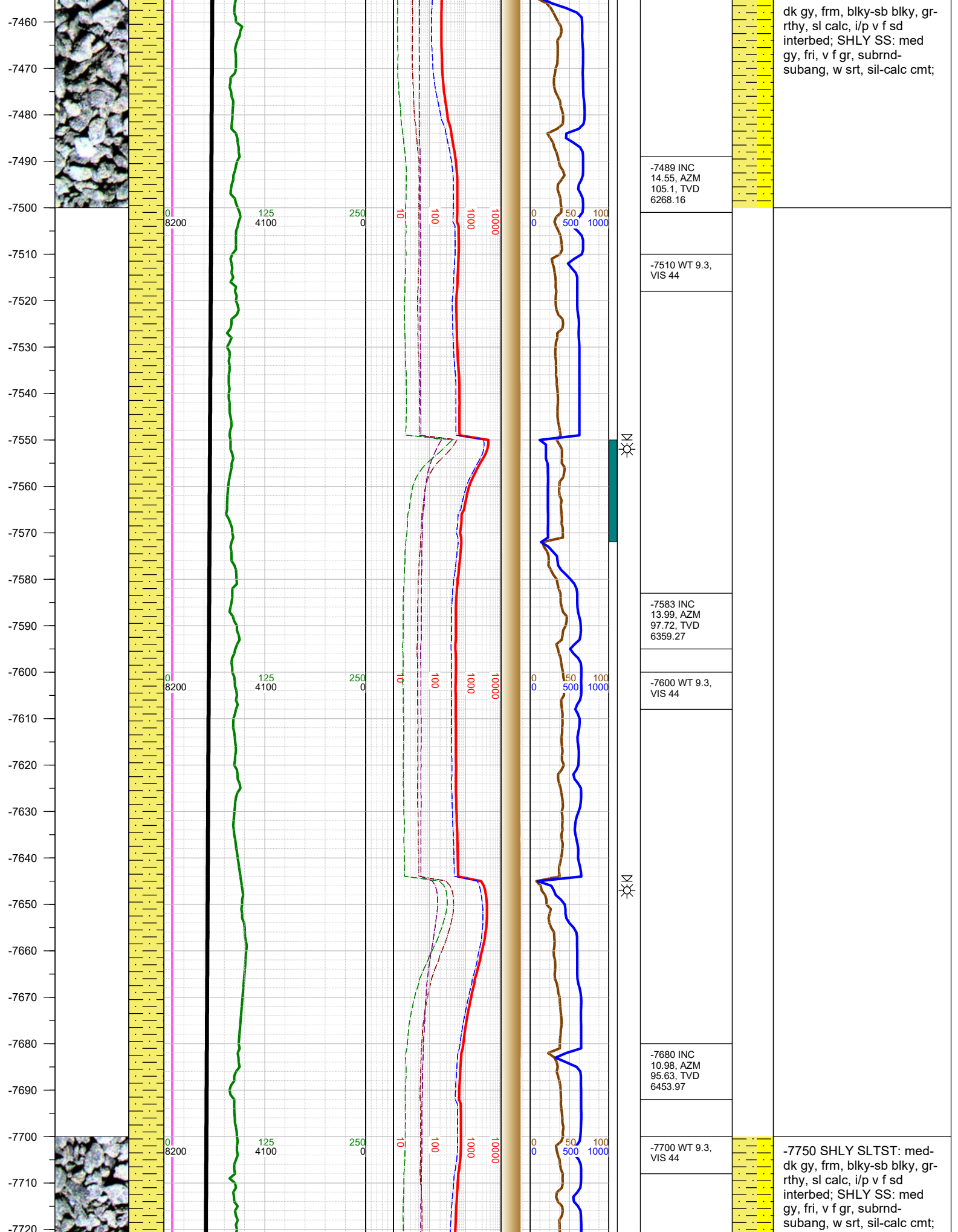
-6250 SHLY SS: med gy,
fri, v f gr, subrnd-subang, w
srt, sil-calc cmt; SHLY
SLTST: med- dk gy, frm,
blky-sb blky, gr-rthy, sl
calc, v f sd interbed;

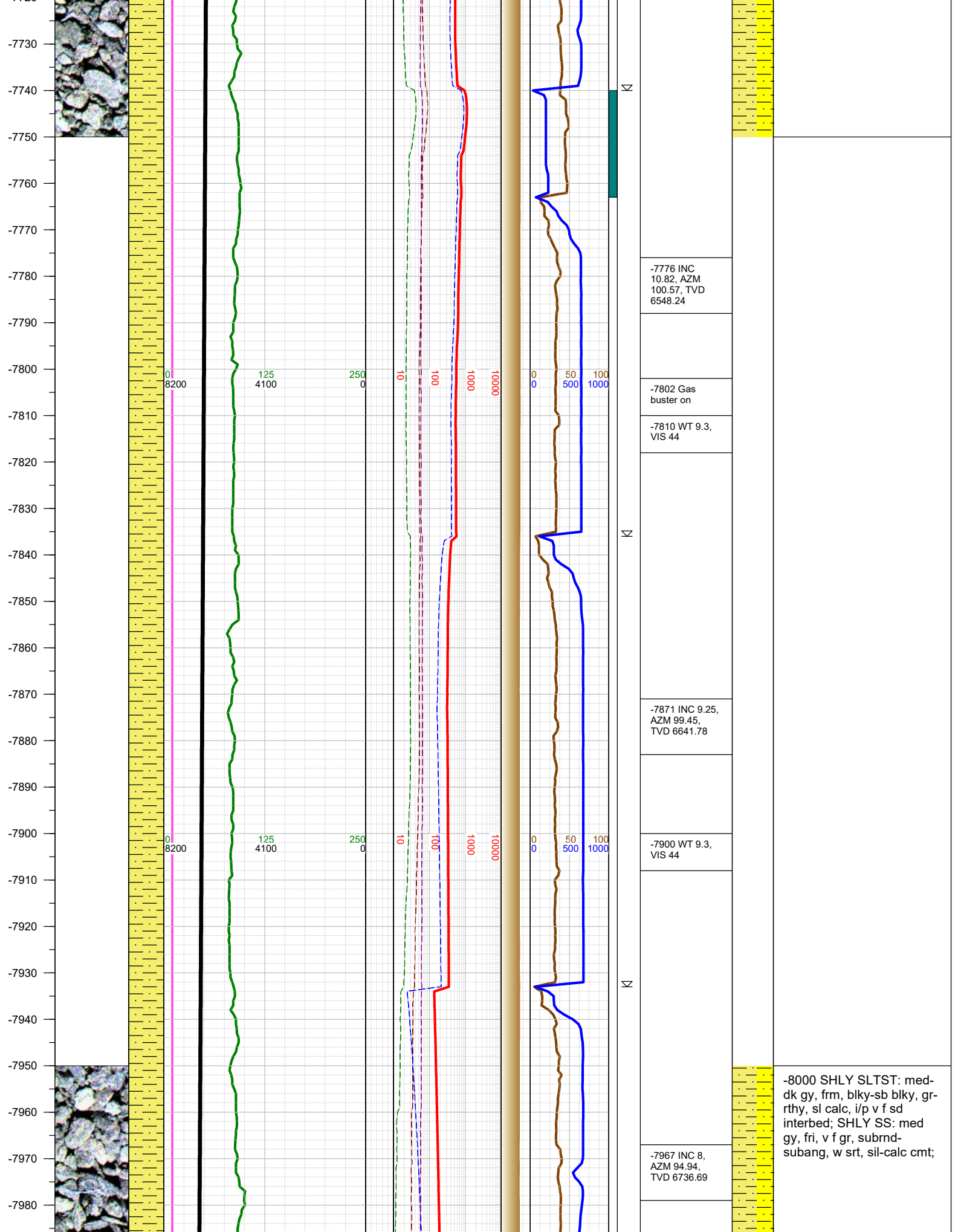


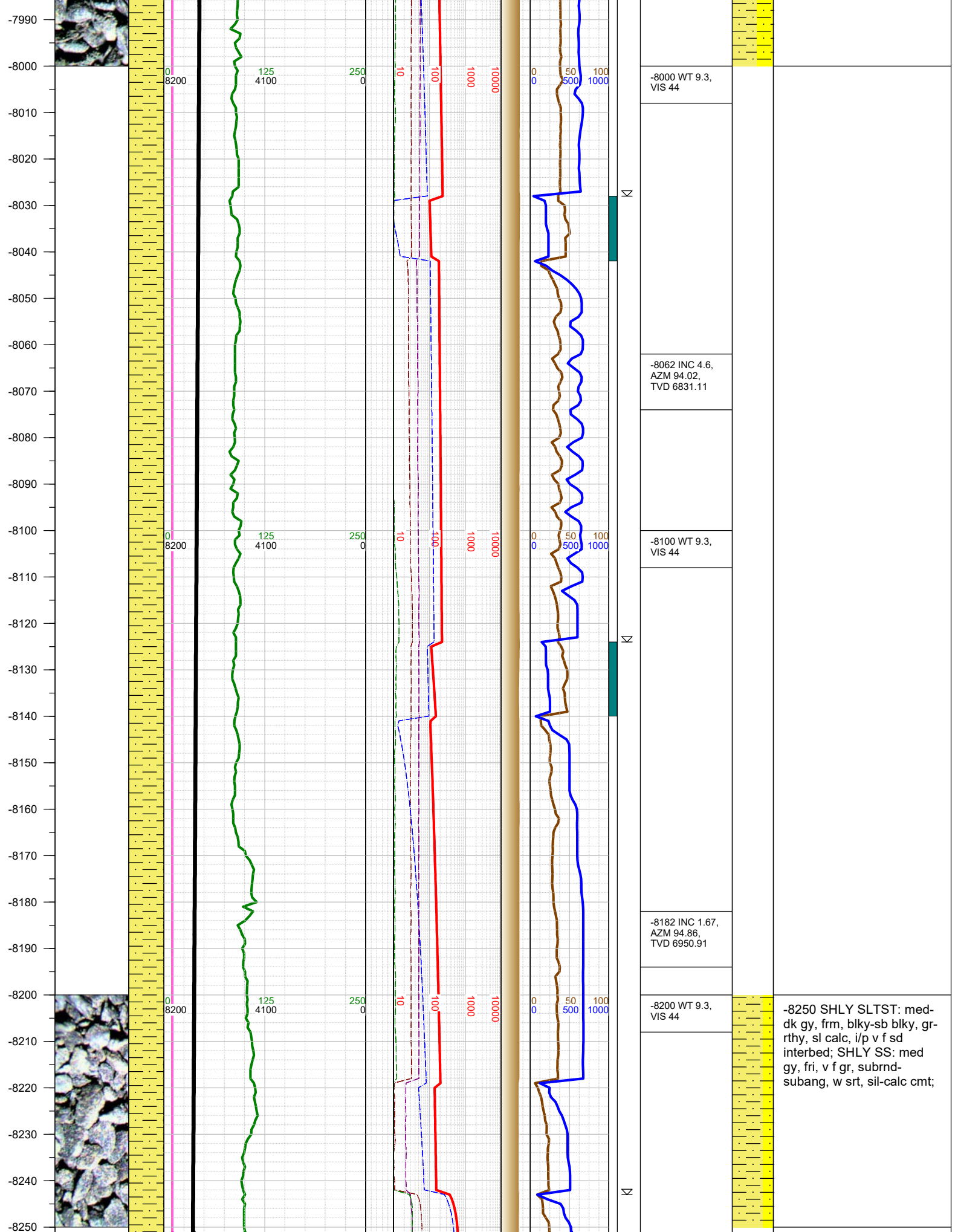


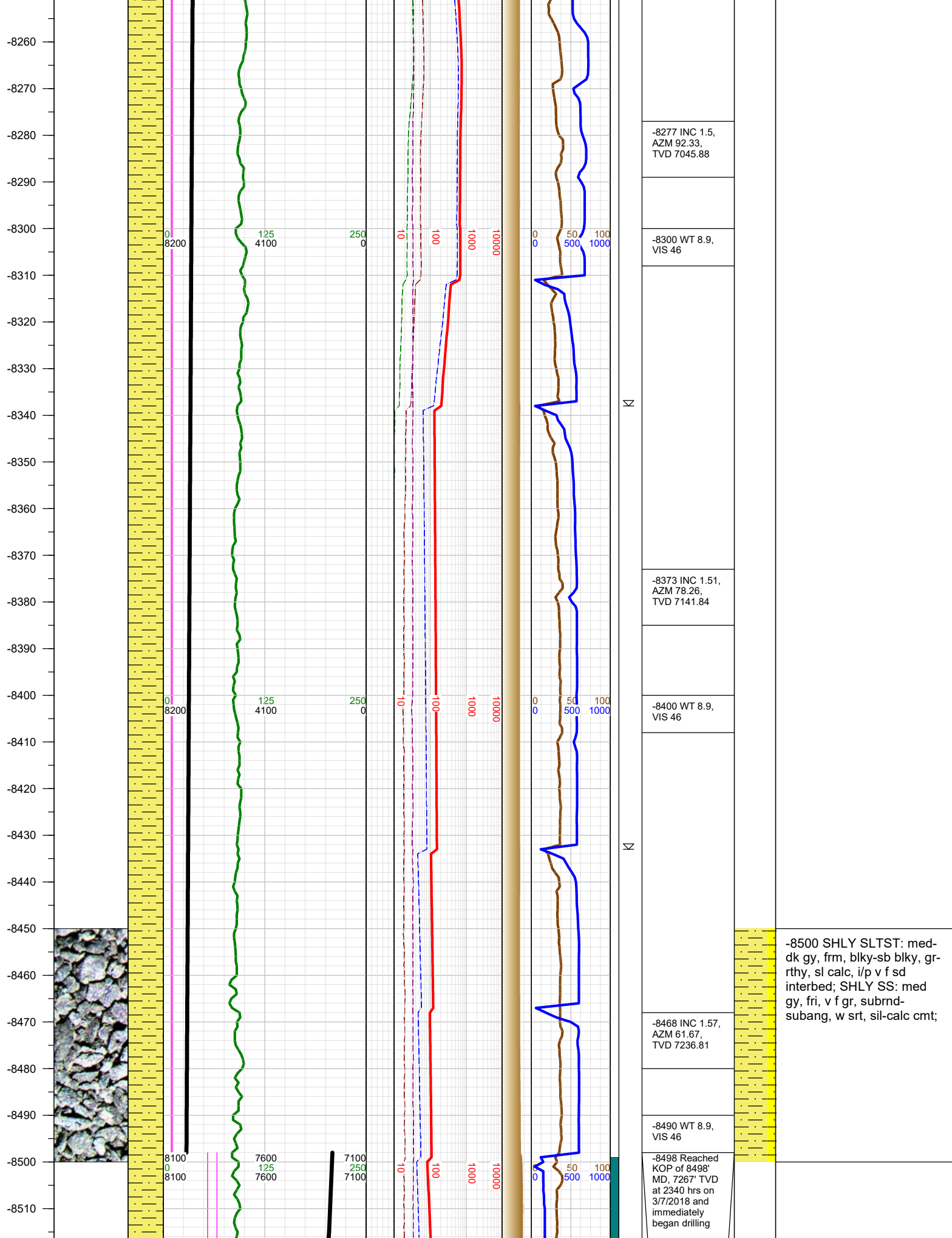












-8277 INC 1.5,
AZM 92.33,
TVD 7045.88

-8300 WT 8.9,
VIS 46

-8373 INC 1.51,
AZM 78.26,
TVD 7141.84

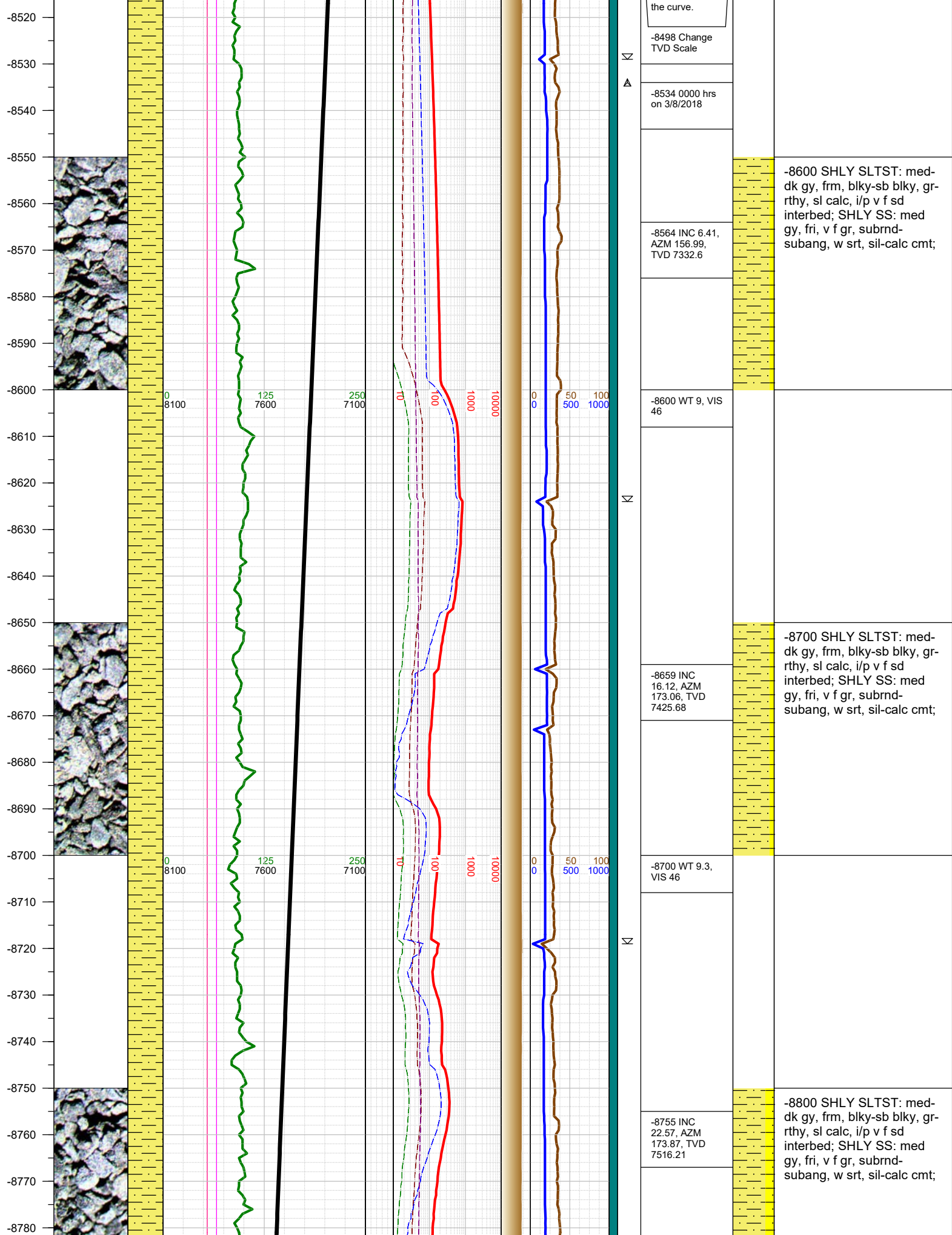
-8400 WT 8.9,
VIS 46

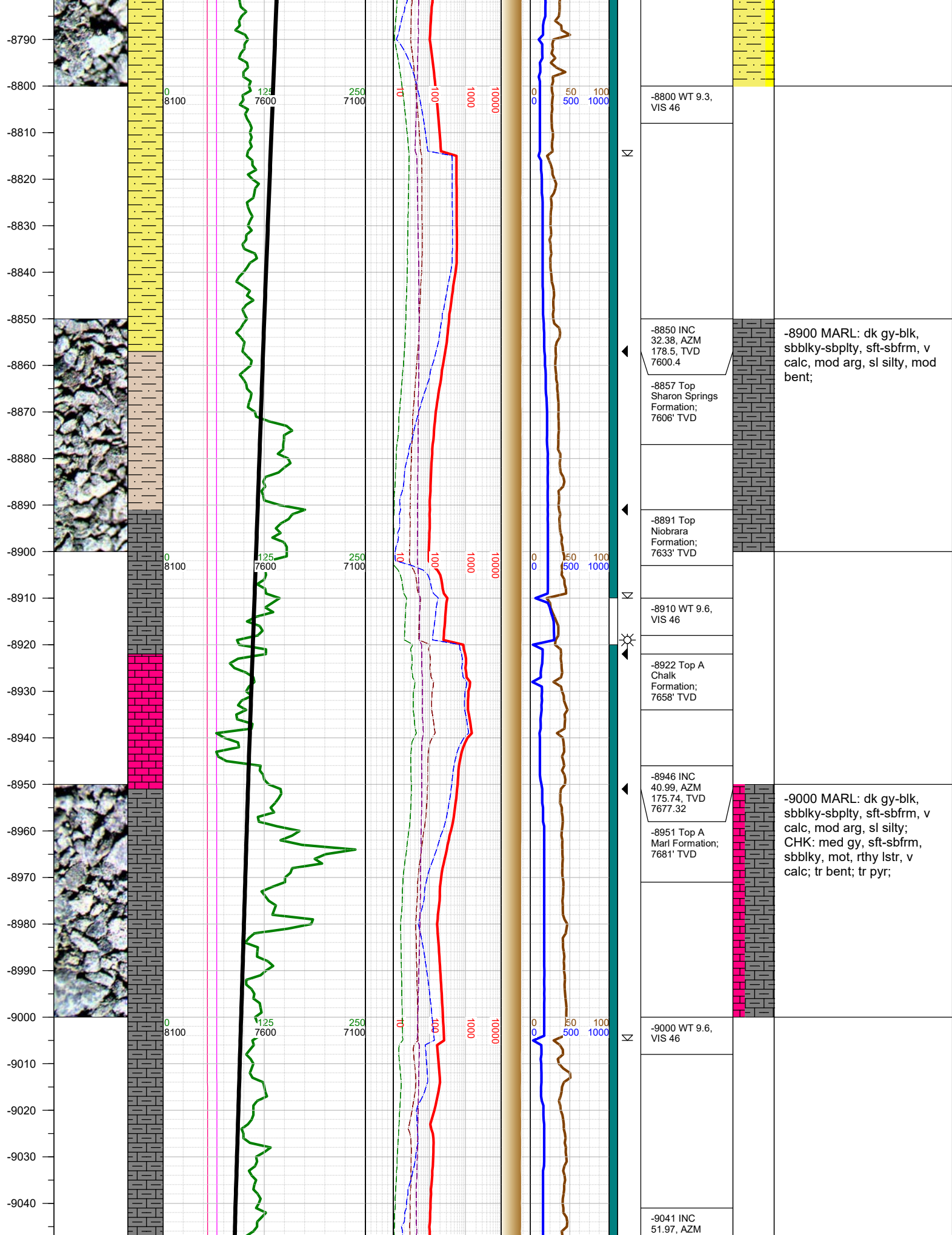
-8468 INC 1.57,
AZM 61.67,
TVD 7236.81

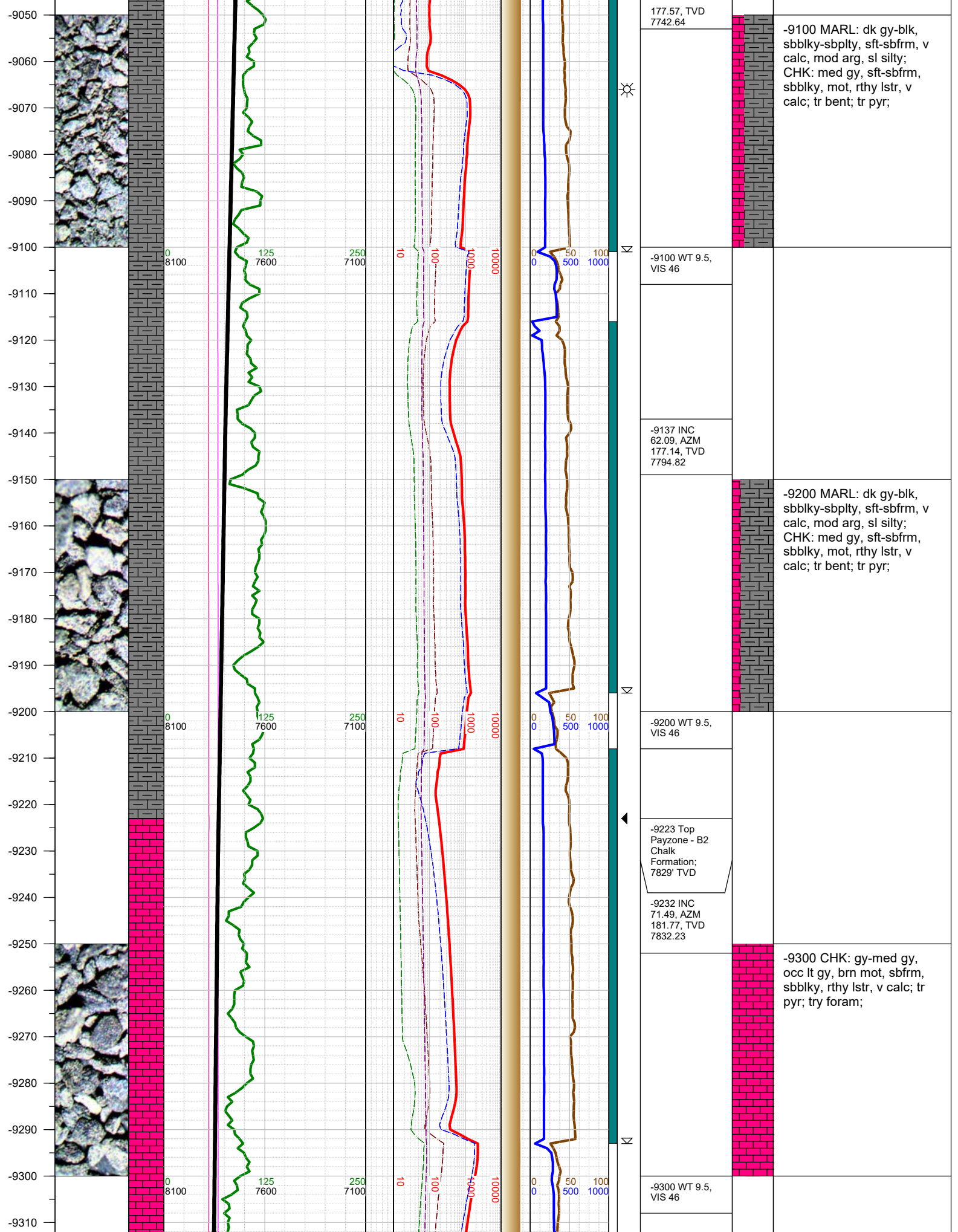
-8490 WT 8.9,
VIS 46

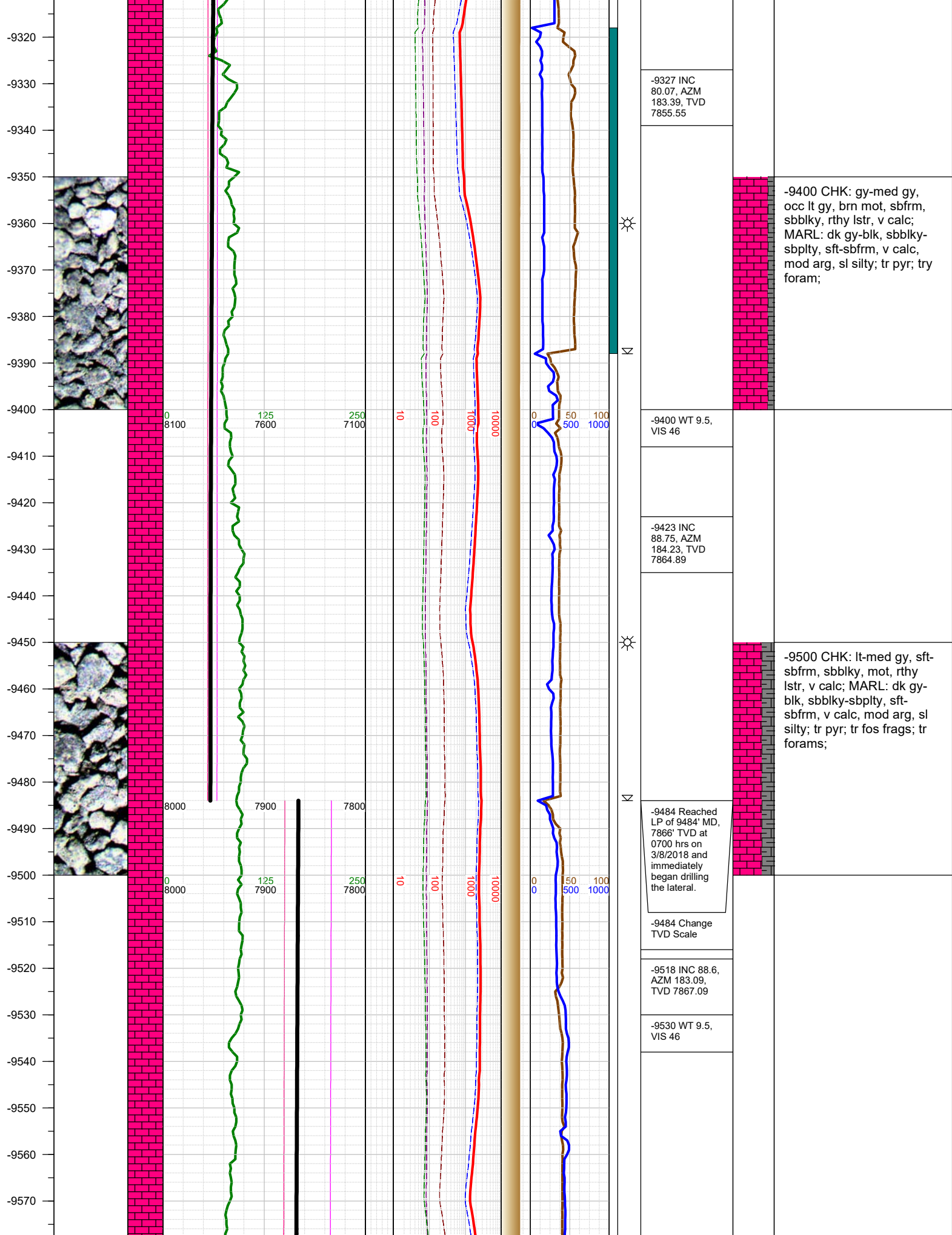
-8498 Reached
KOP of 8498'
MD, 7267' TVD
at 2340 hrs on
3/7/2018 and
immediately
began drilling

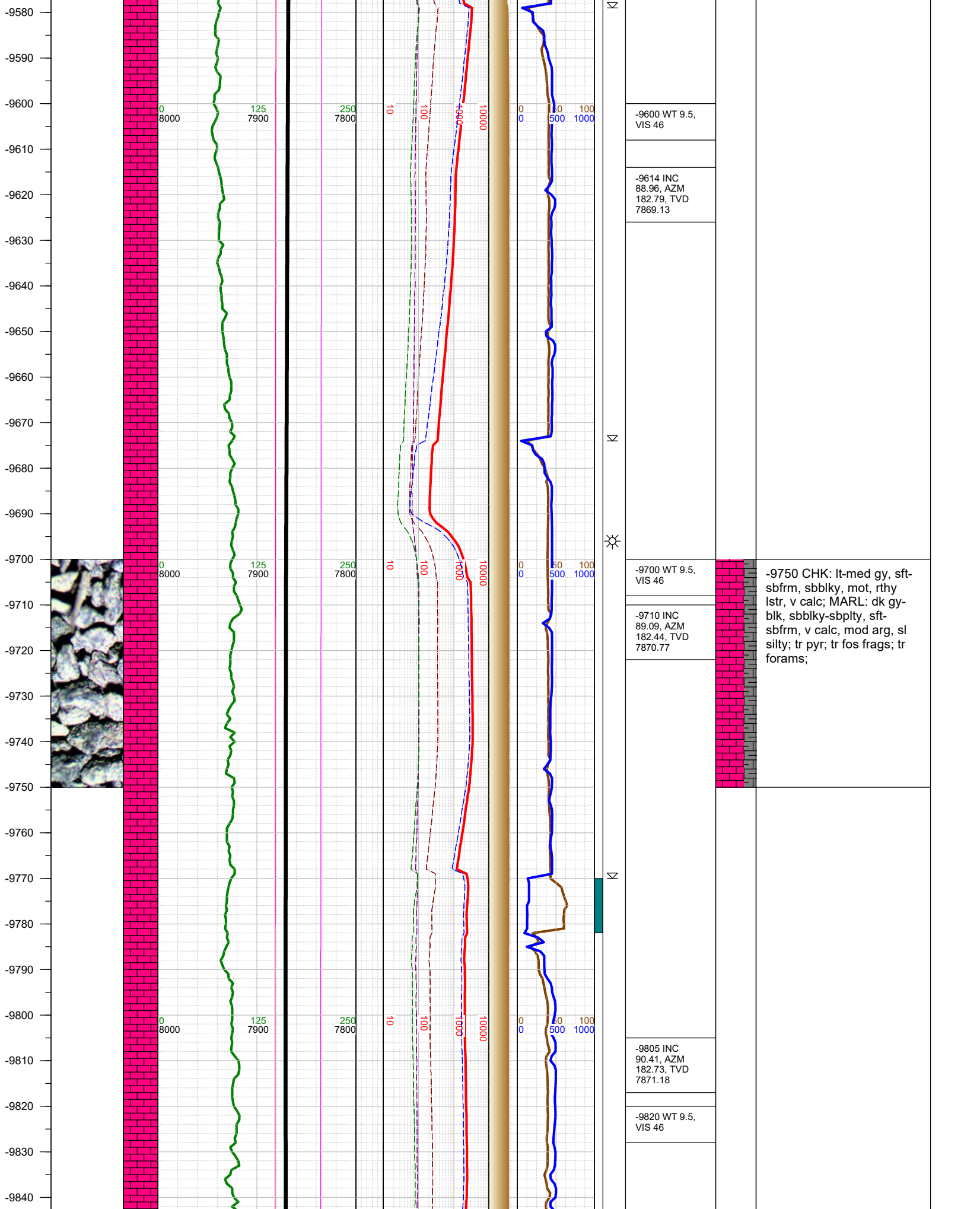
-8500 SHLY SLTST: med-
dk gy, frm, blkly-sb blkly, gr-
rthy, sl calc, i/p v f sd
interbed; SHLY SS: med
gy, fri, v f gr, subrnd-
subang, w srt, sil-calc cmt;

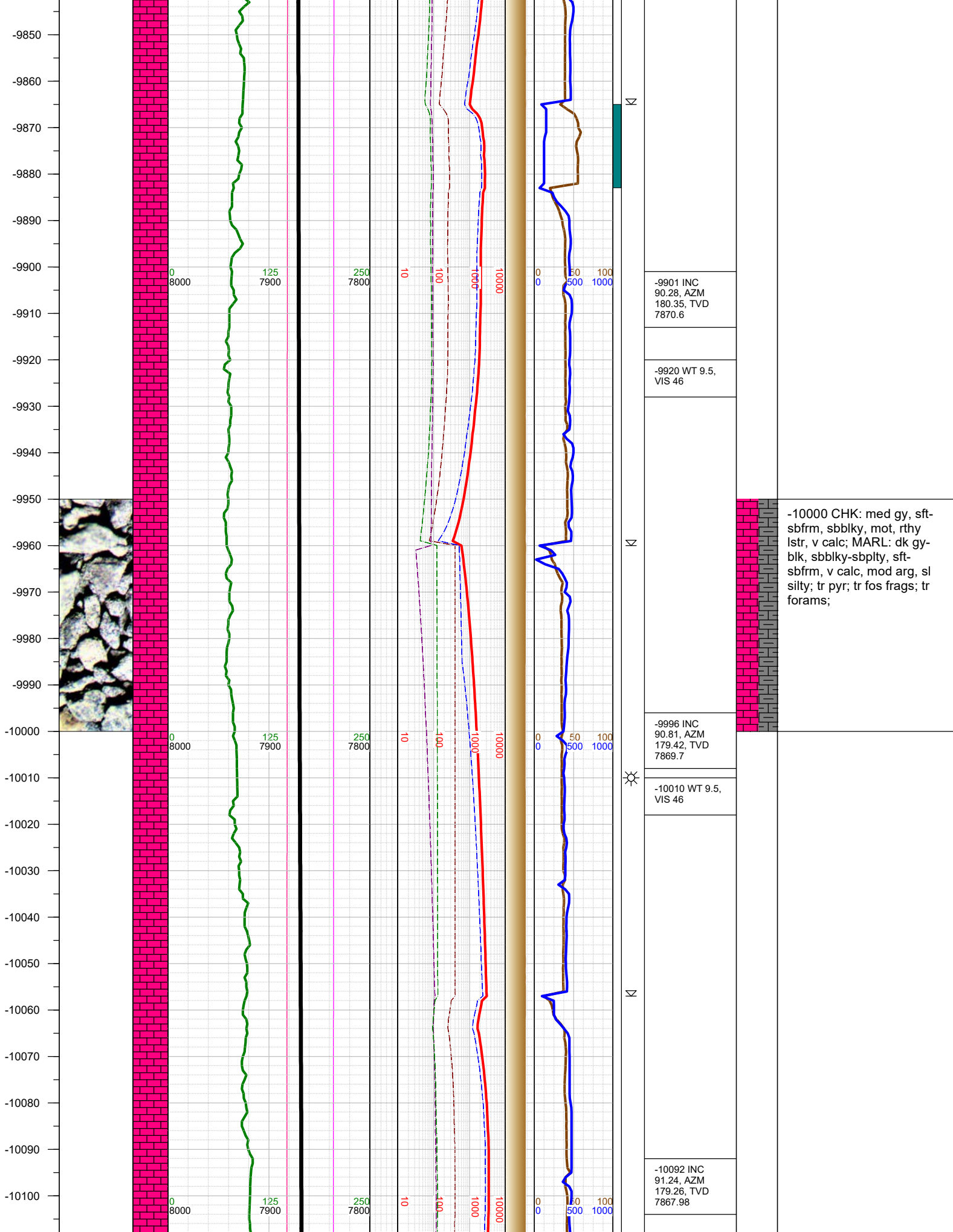




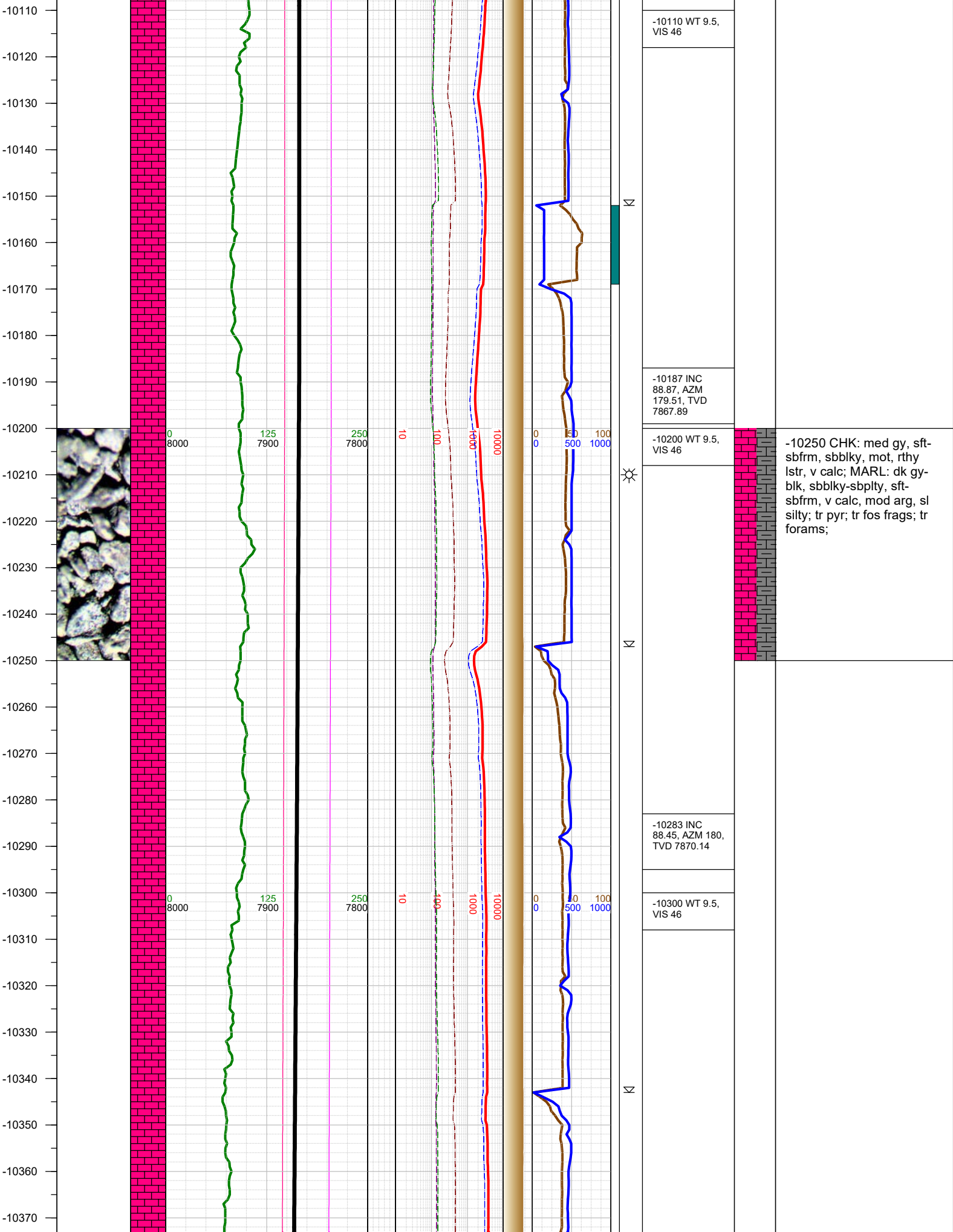


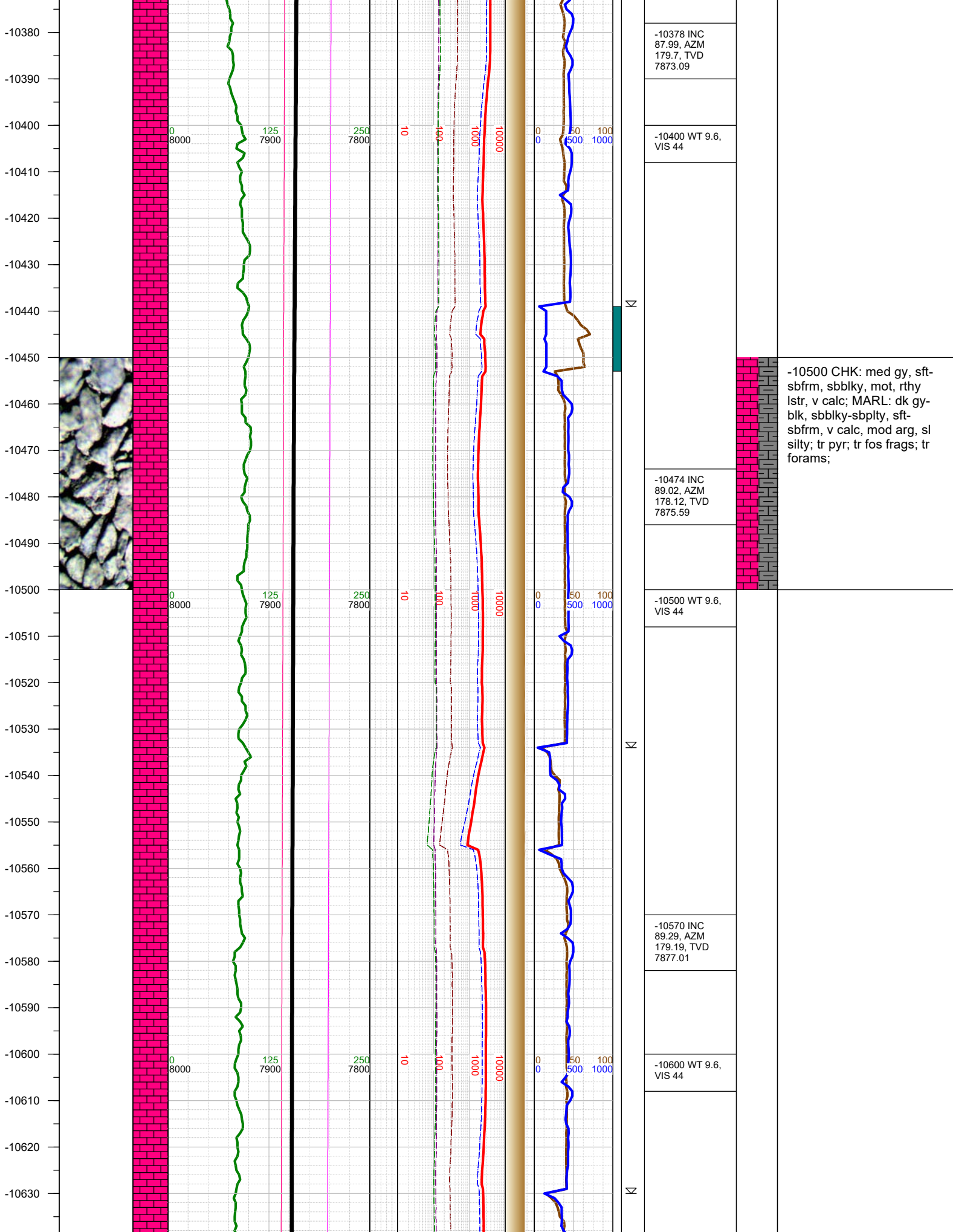


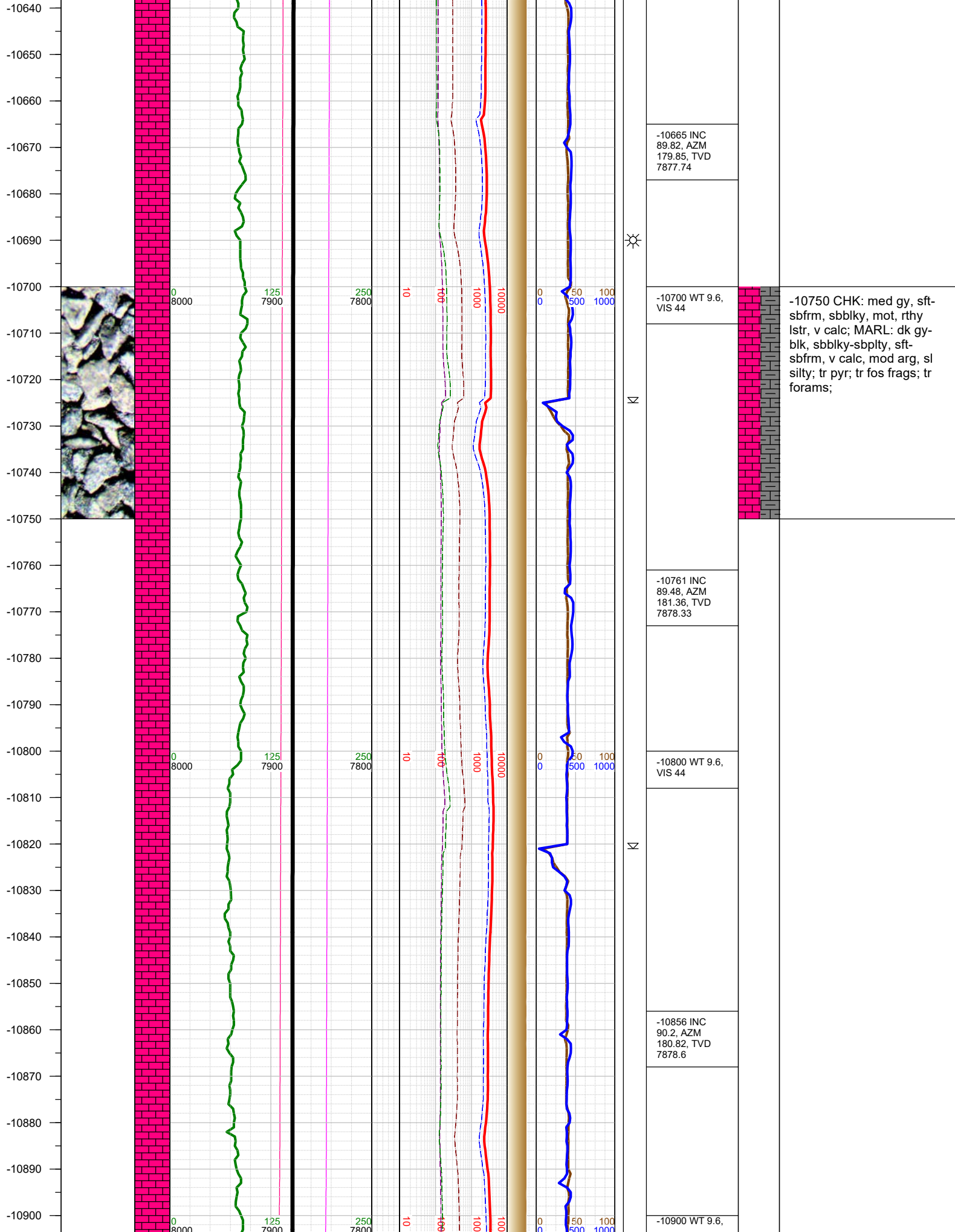


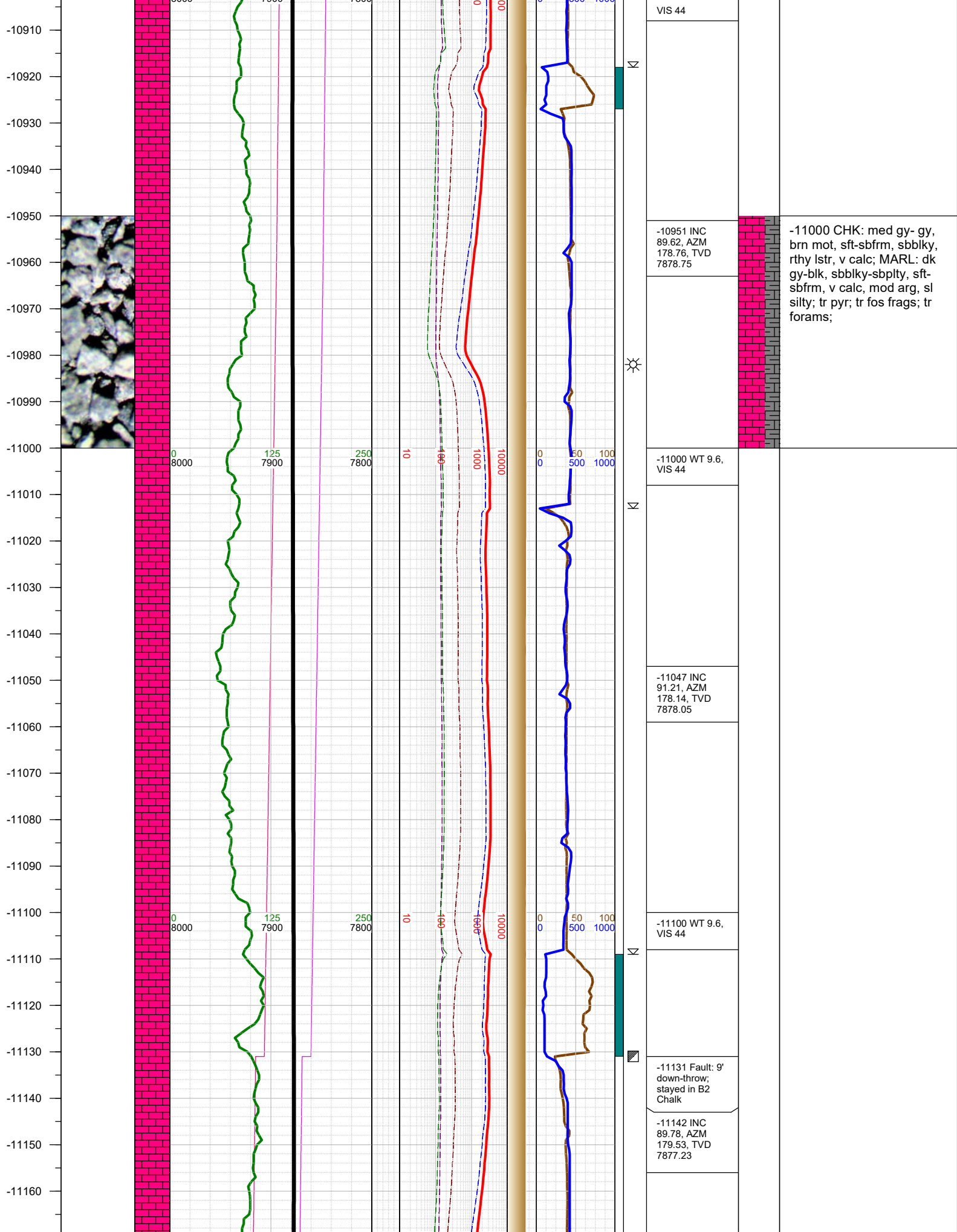


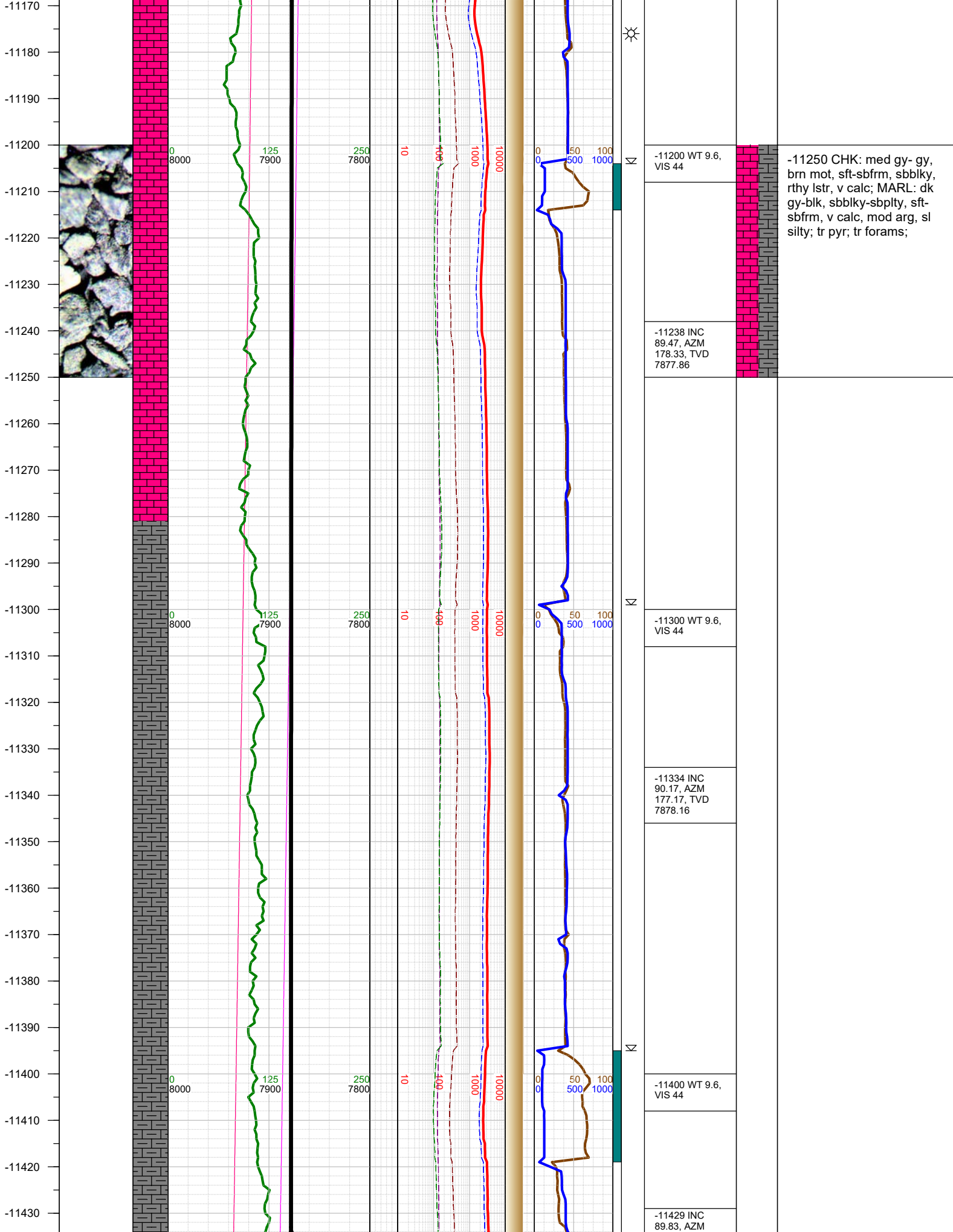
-10000 CHK: med gy, sft-sbfrm, sbblky, mot, rthy lstr, v calc; MARL: dk gy-blk, sbblky-sbply, sft-sbfrm, v calc, mod arg, sl silty; tr pyr; tr fos frags; tr forams;



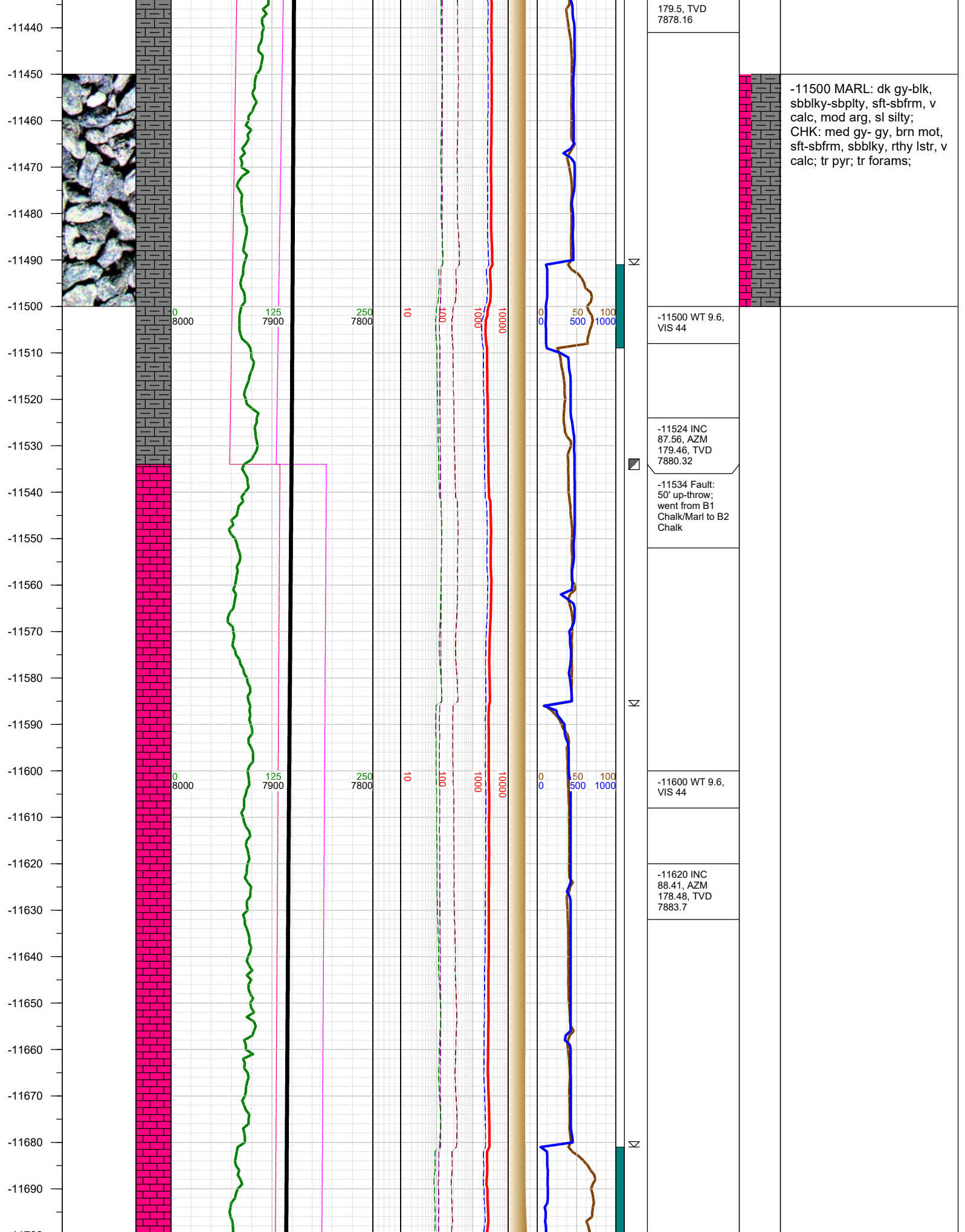


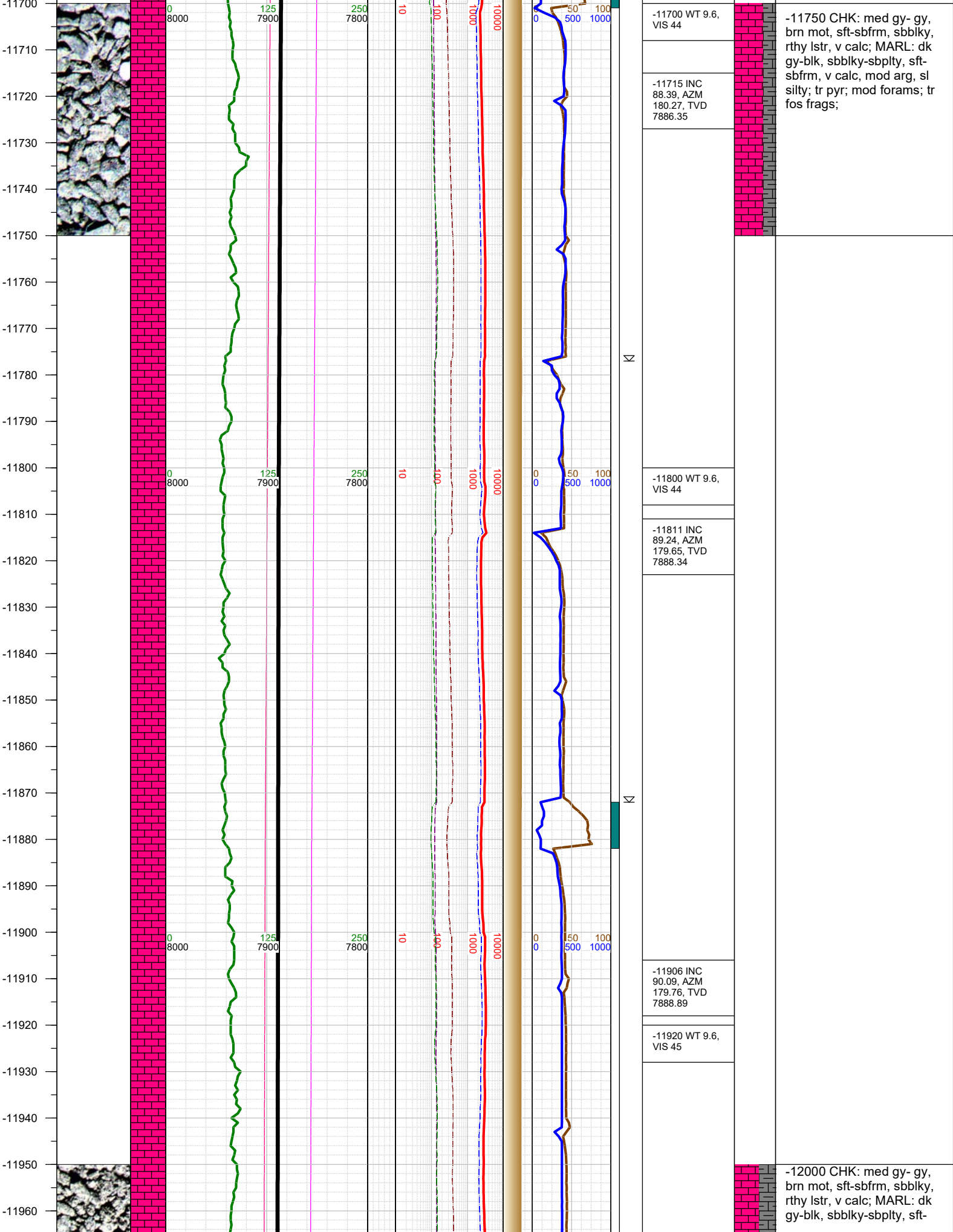


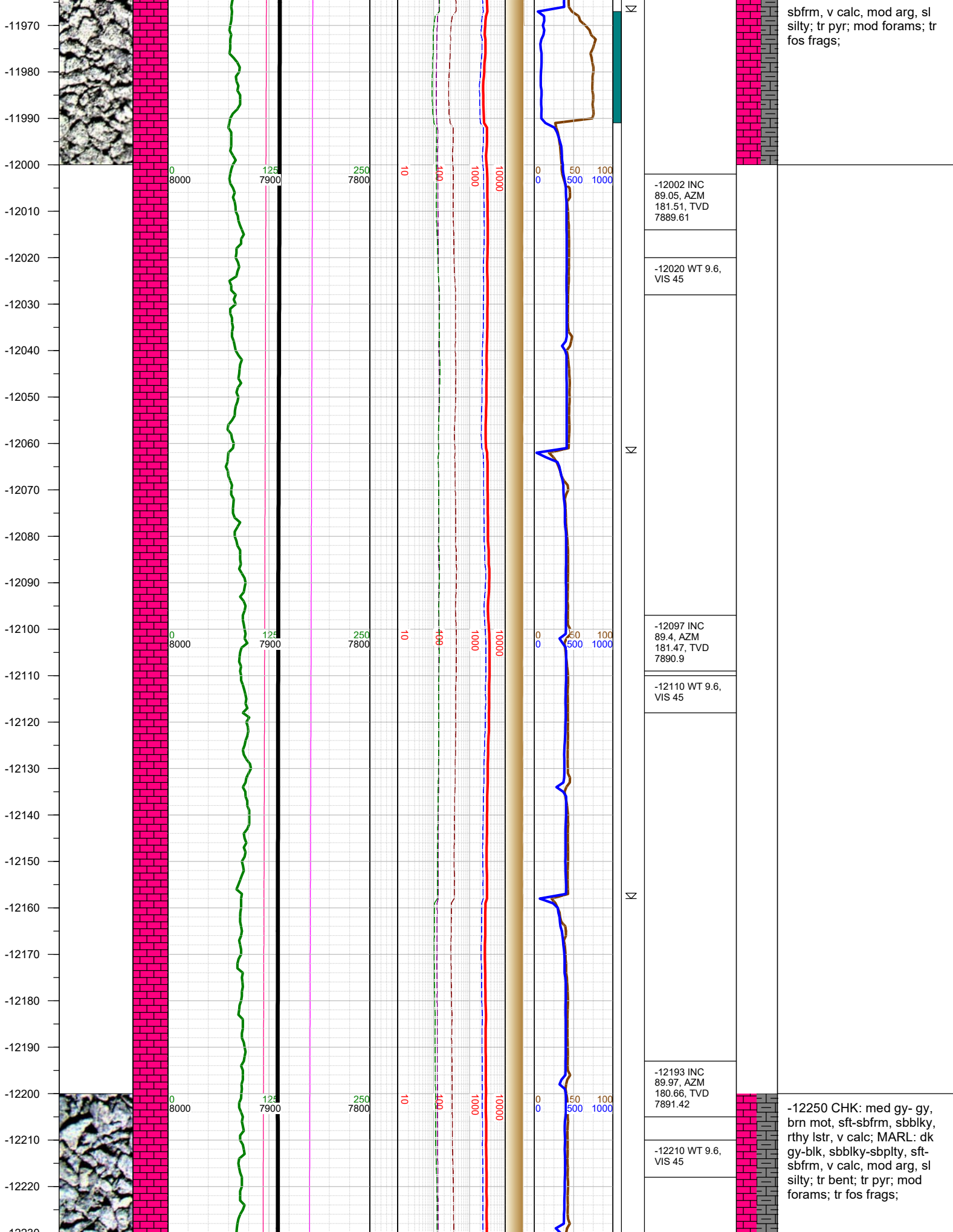




-11250 CHK: med gy- gy, brn mot, sft-sbfrm, sbblky, rthy lstr, v calc; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr pyr; tr forams;

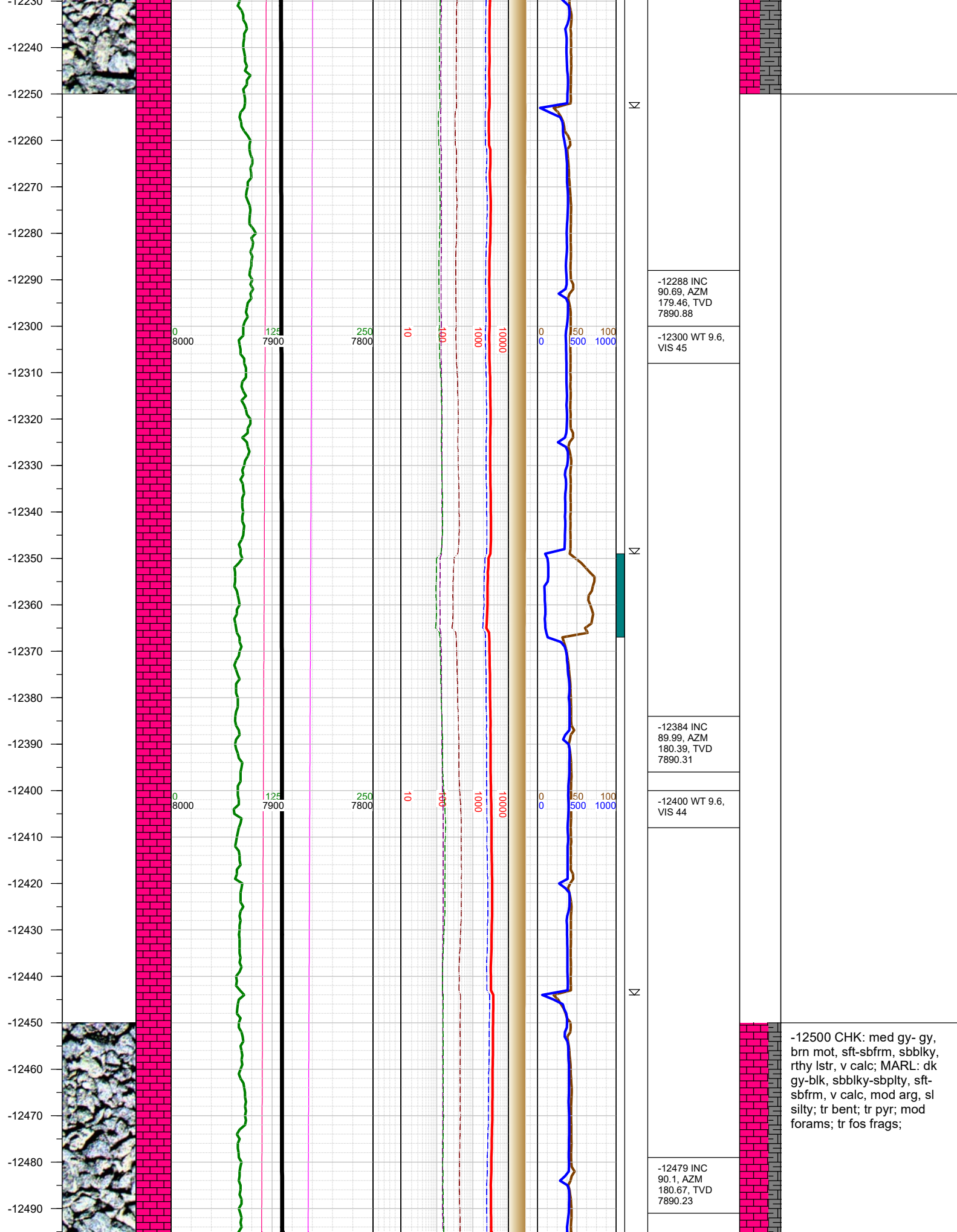


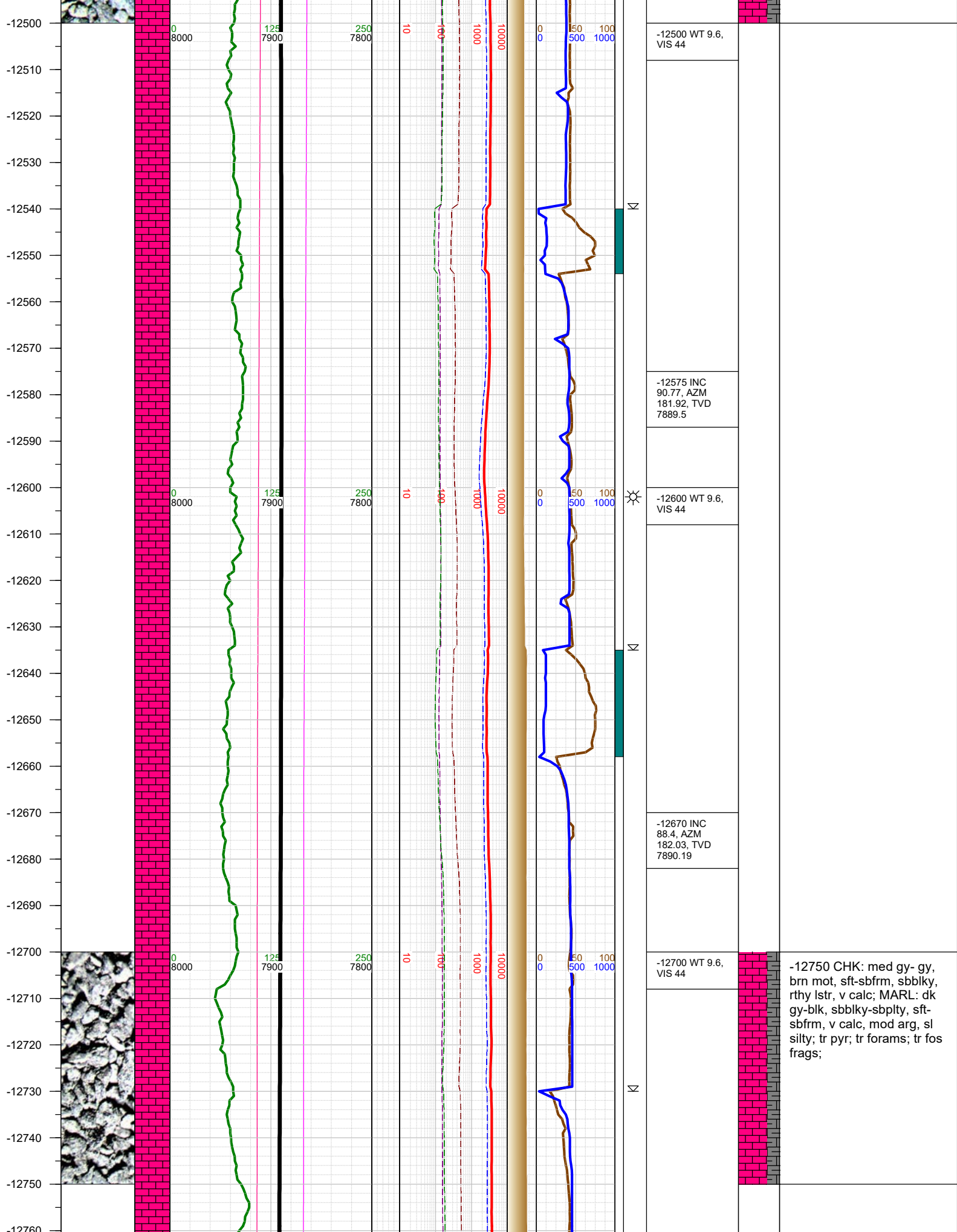


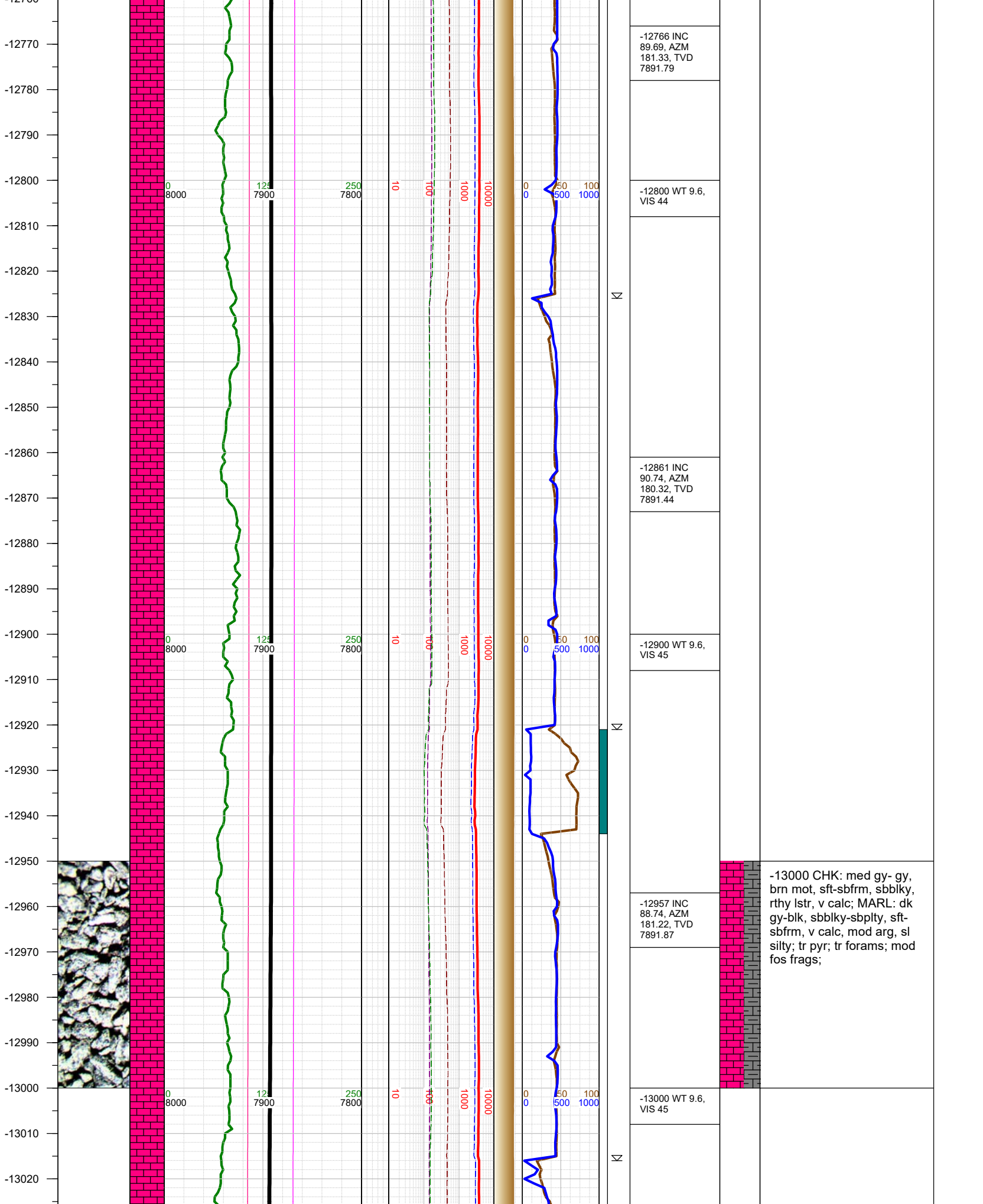


sbfrm, v calc, mod arg, sl
silty; tr pyr; mod forams; tr
fos frags;

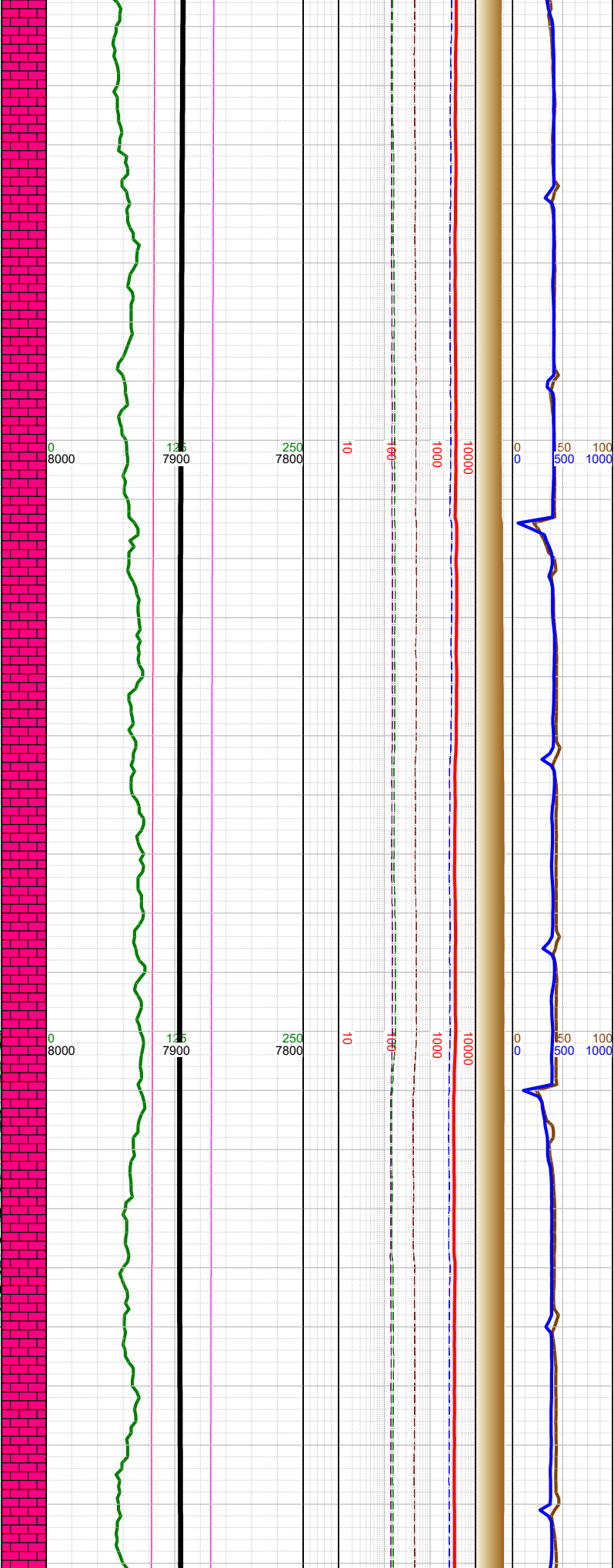
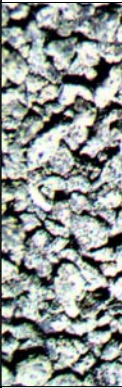
-12250 CHK: med gy- gy,
brn mot, sft-sbfrm, sbblky,
rthy lstr, v calc; MARL: dk
gy-blk, sbblky-sbplty, sft-
sbfrm, v calc, mod arg, sl
silty; tr bent; tr pyr; mod
forams; tr fos frags;



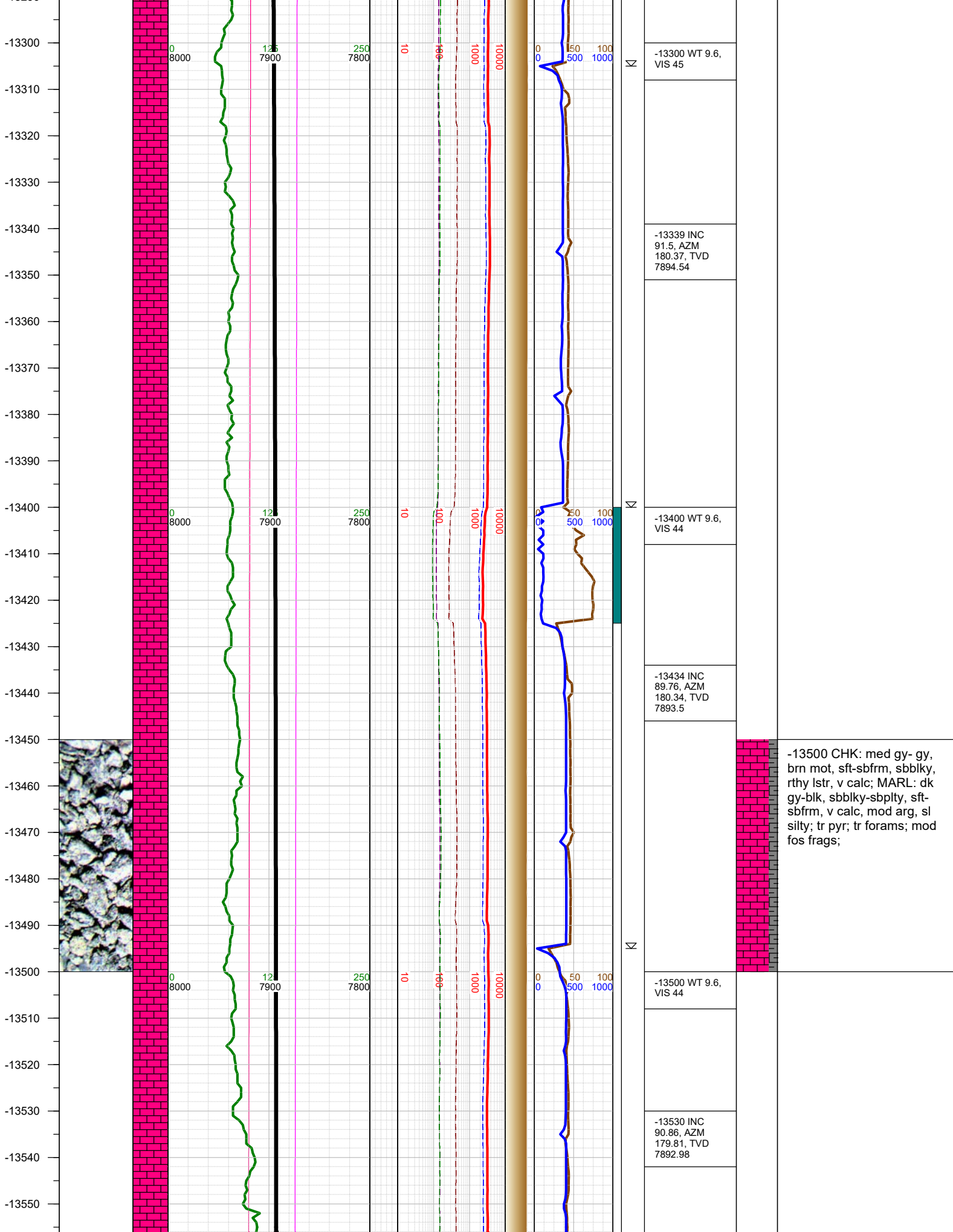




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			-13052 INC 88.43, AZM 180.97, TVD 7894.22
			-13100 WT 9.6, VIS 45
Σ			
			-13148 INC 89.29, AZM 180.55, TVD 7896.13
			-13200 WT 9.6, VIS 45
Σ			-13250 CHK: med gy- gy, brn mot, sft-sbfrm, sbblky, rthy lstr, v calc; MARL: dk gy-blk, sbblky-sbplty, sft- sbfrm, v calc, mod arg, sl silty; tr pyr; tr forams; mod fos frags;
			-13243 INC 90.55, AZM 180.56, TVD 7896.26
Δ			-13264 0000 hrs on 3/9/2018



-13300 WT 9.6, VIS 45

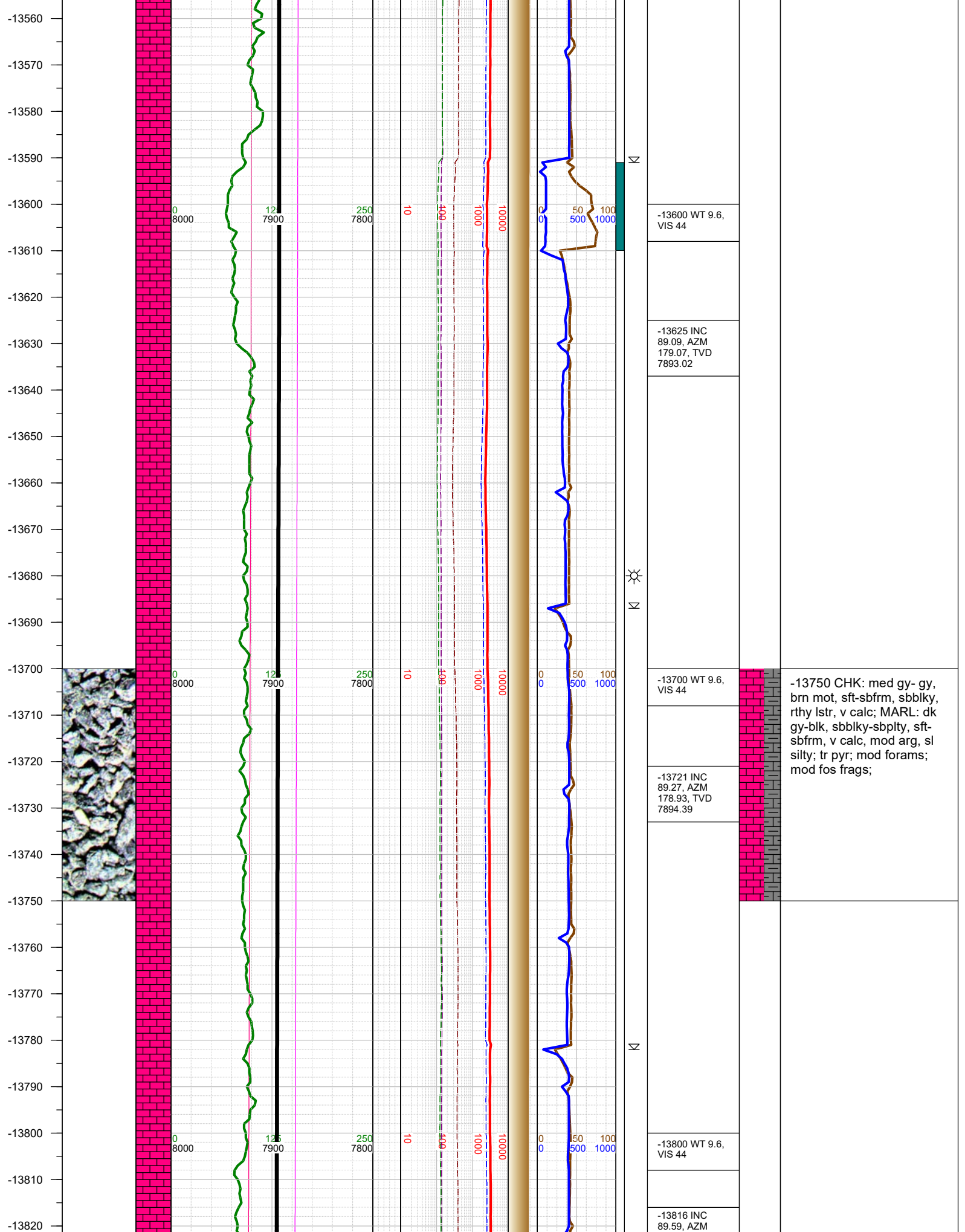
-13339 INC 91.5, AZM 180.37, TVD 7894.54

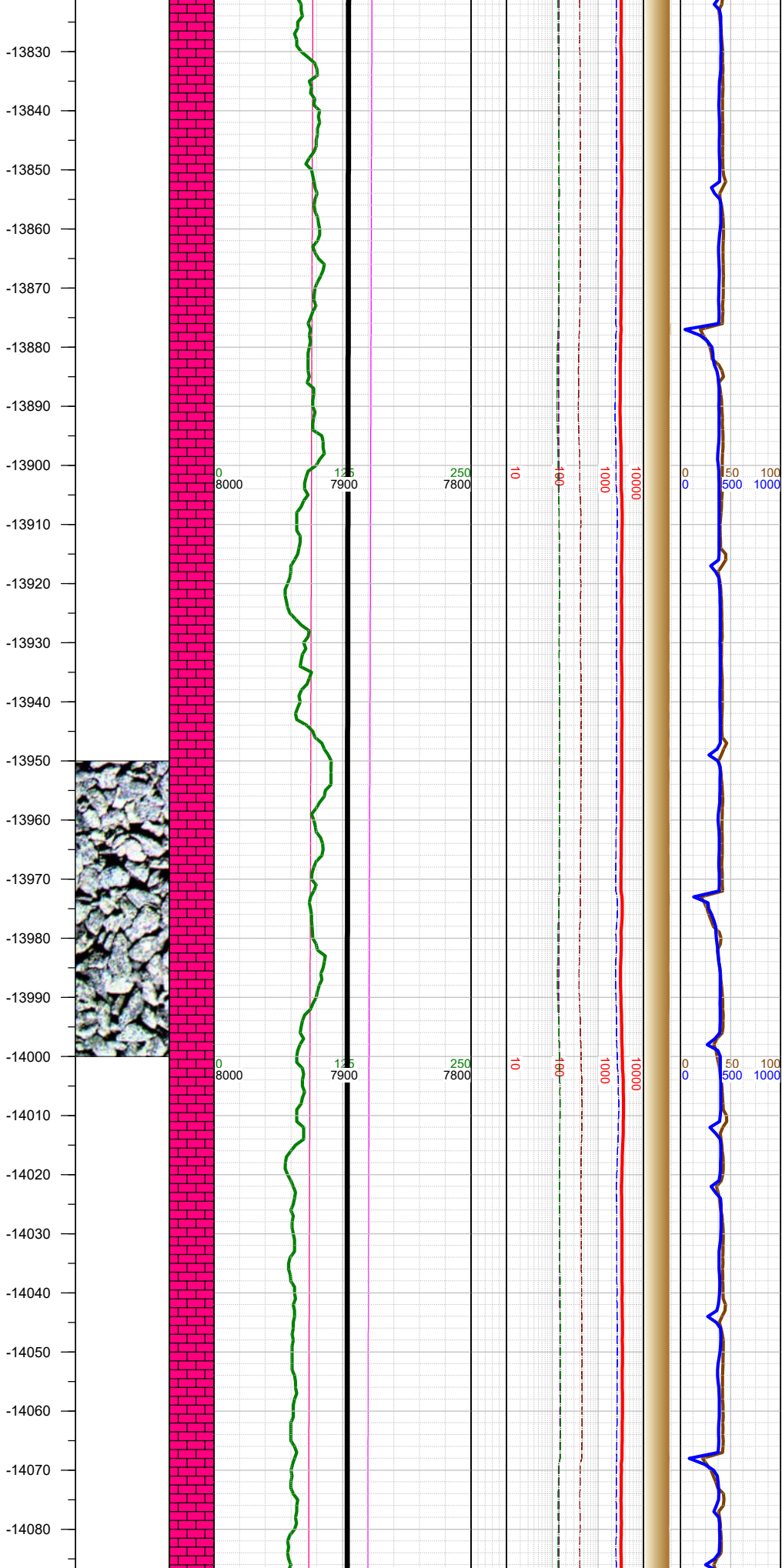
-13400 WT 9.6, VIS 44

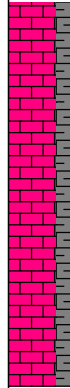
-13434 INC 89.76, AZM 180.34, TVD 7893.5

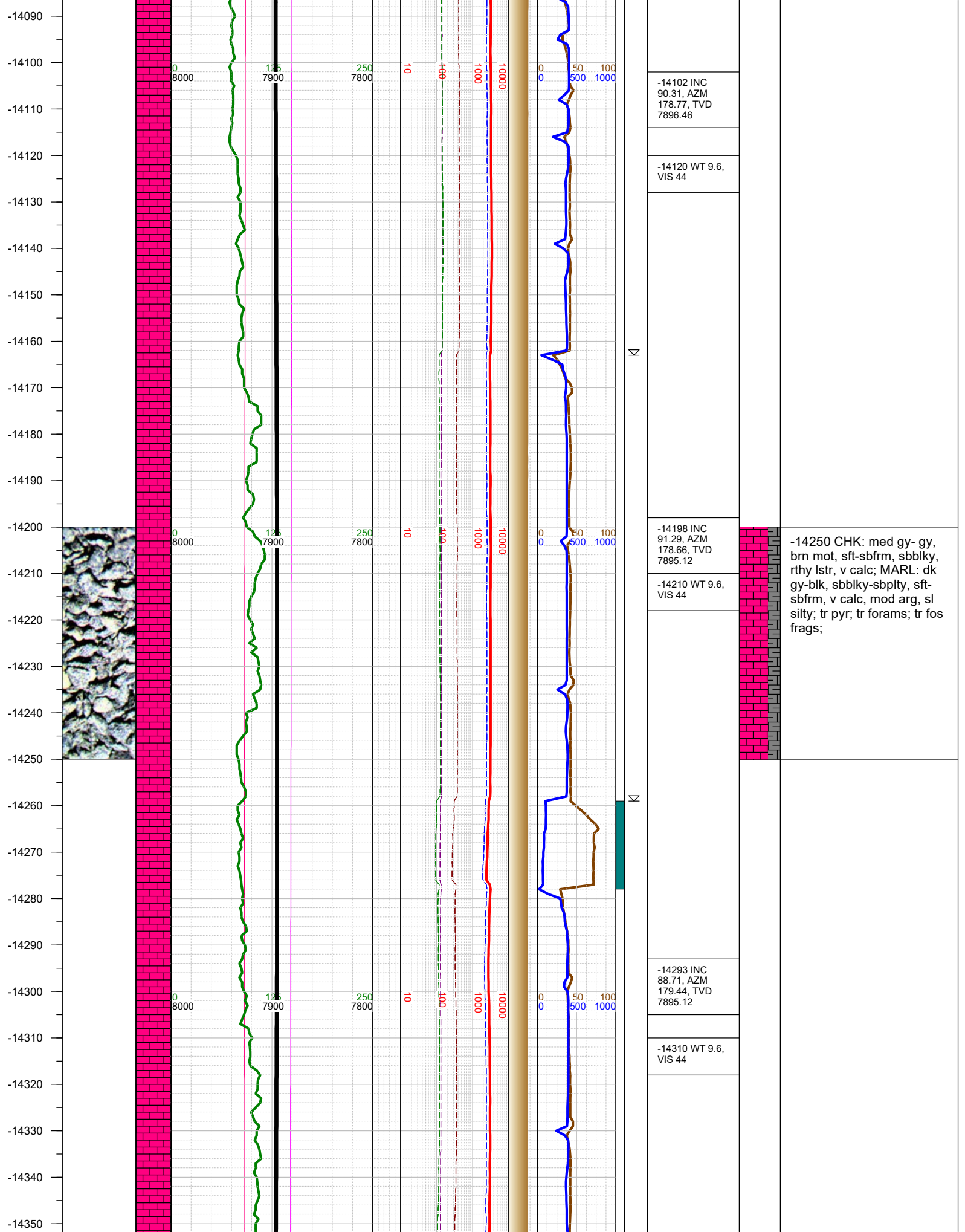
-13500 WT 9.6, VIS 44

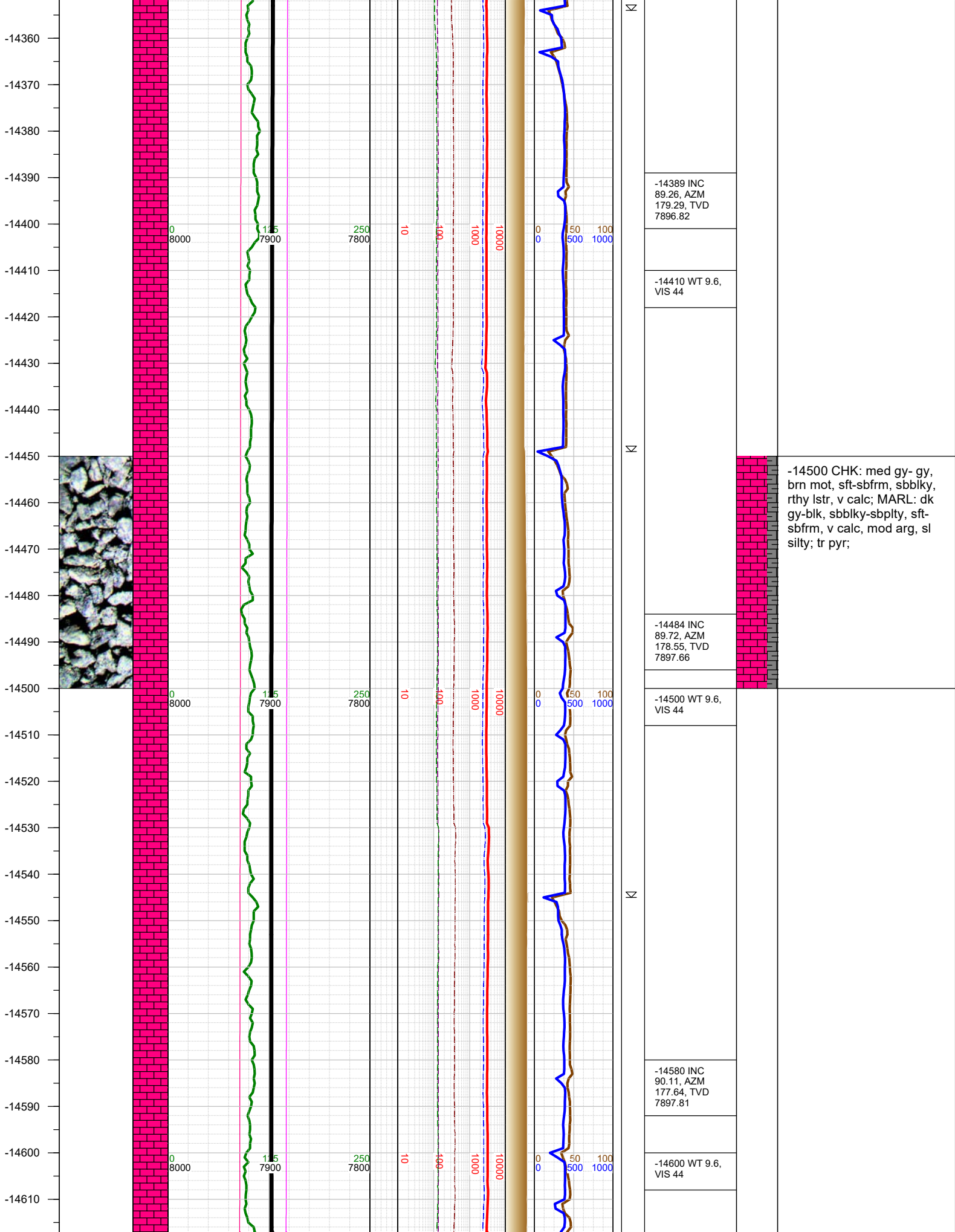
-13530 INC 90.86, AZM 179.81, TVD 7892.98

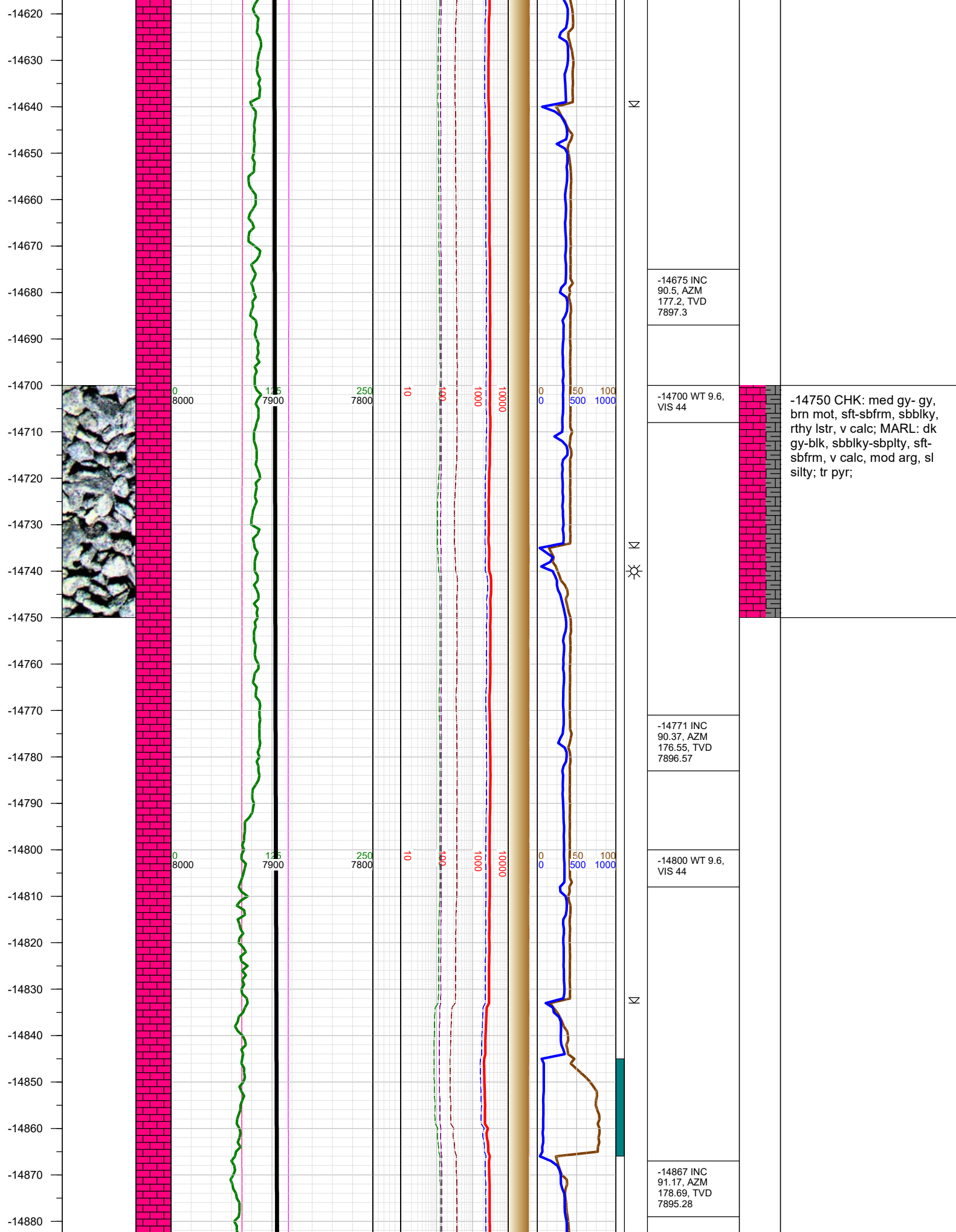




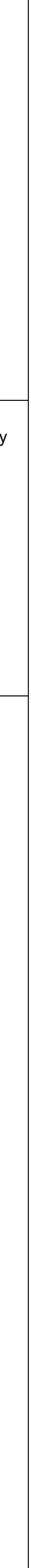
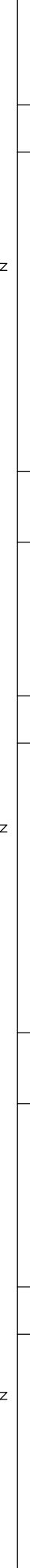
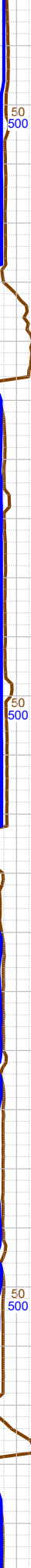
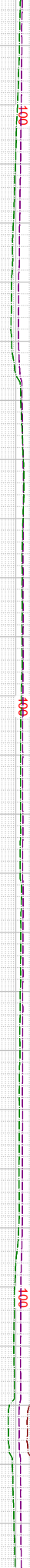
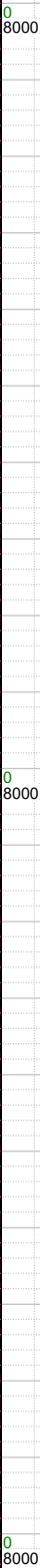
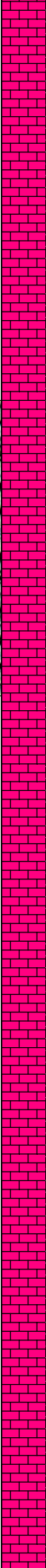
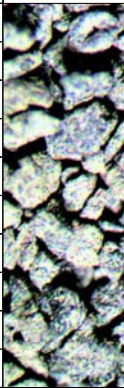
Σ	178.98, TVD 7895.34		
	-13900 WT 9.6, VIS 44		
	-13912 INC 89.66, AZM 178.87, TVD 7895.97		
Σ			-14000 CHK: med gy- gy, brn mot, sft-sbfrm, sbblky, rthy lstr, v calc; MARL: dk gy-blk, sbblky-sbplty, sft- sbfrm, v calc, mod arg, sl silty; tr pyr; tr forams; tr fos frags;
	-14007 INC 89.72, AZM 178.37, TVD 7896.48		
	-14020 WT 9.6, VIS 44		
Σ			



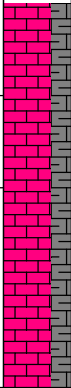




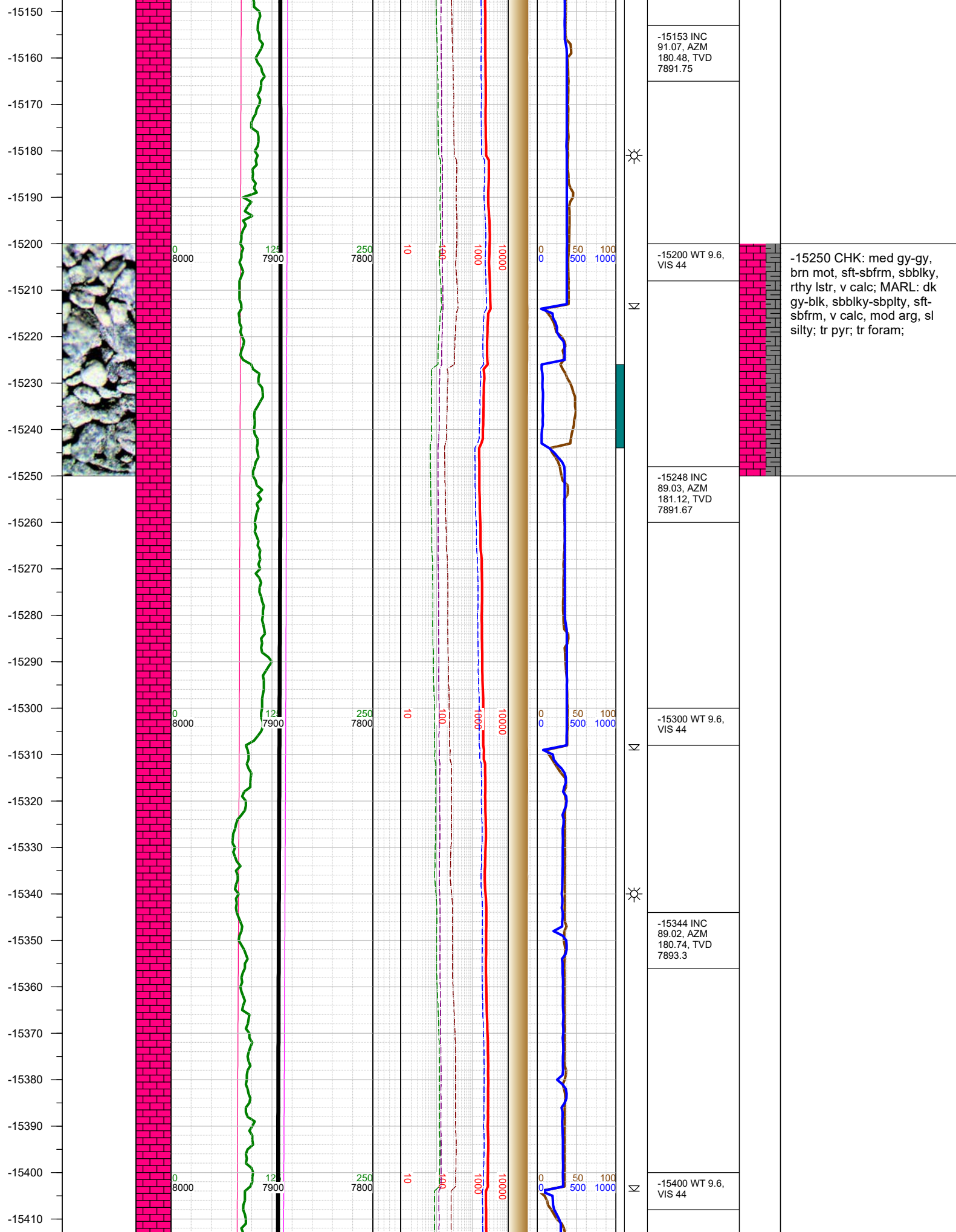
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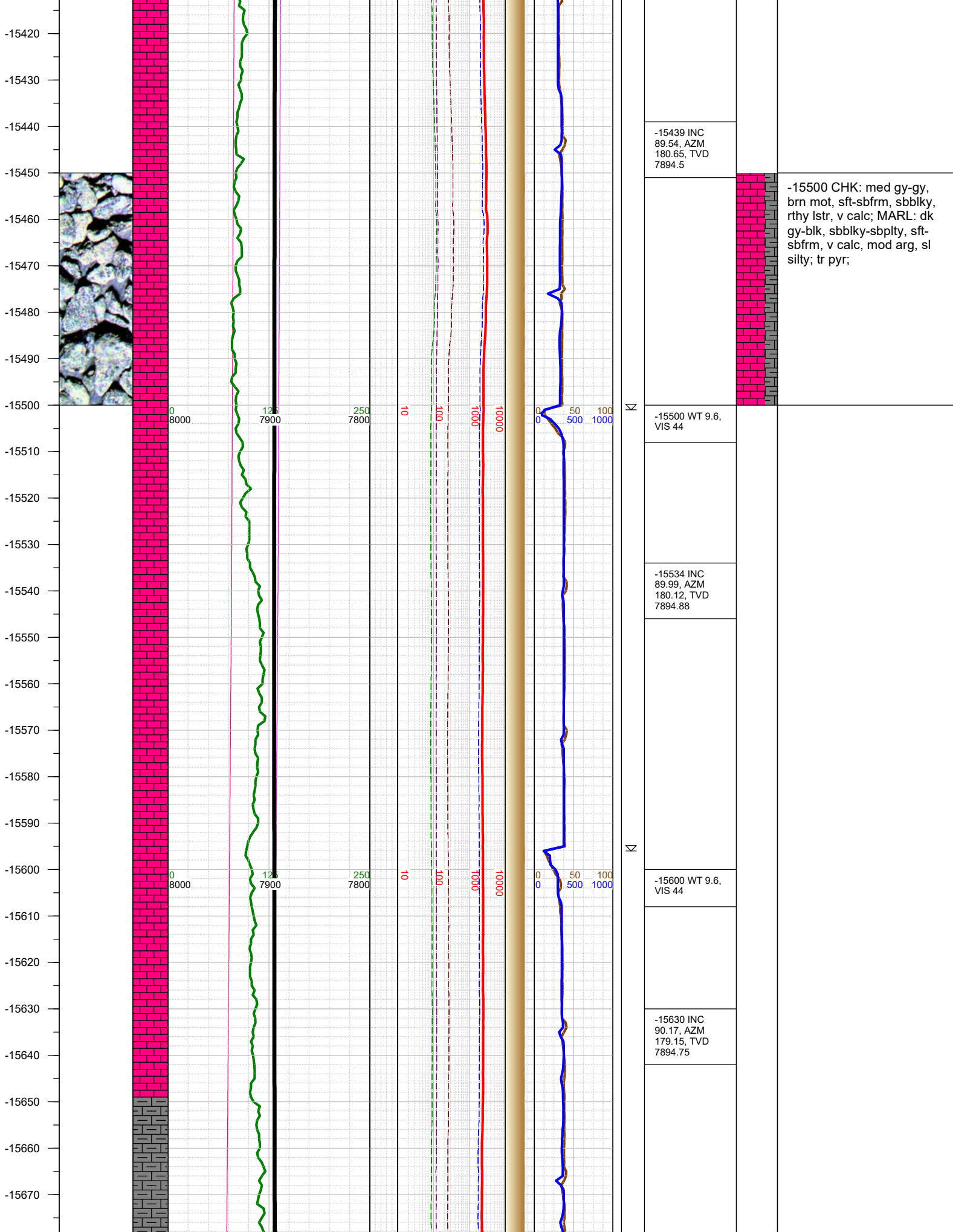


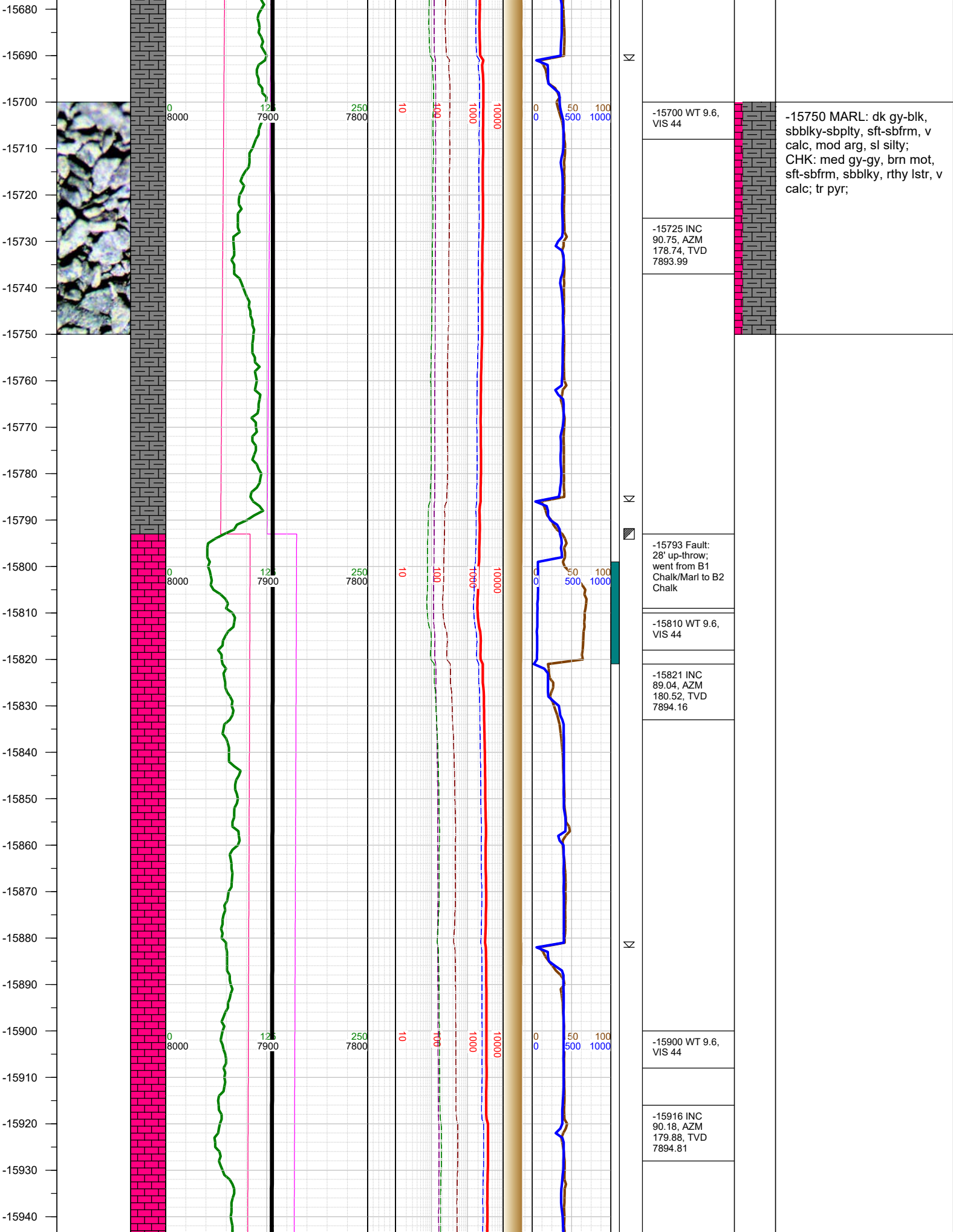
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-14962 INC 90.4, AZM 180.72, TVD 7893.98	
-15000 WT 9.6, VIS 44	
-15057 INC 90.6, AZM 180.76, TVD 7893.15	
-15100 WT 9.6, VIS 44	

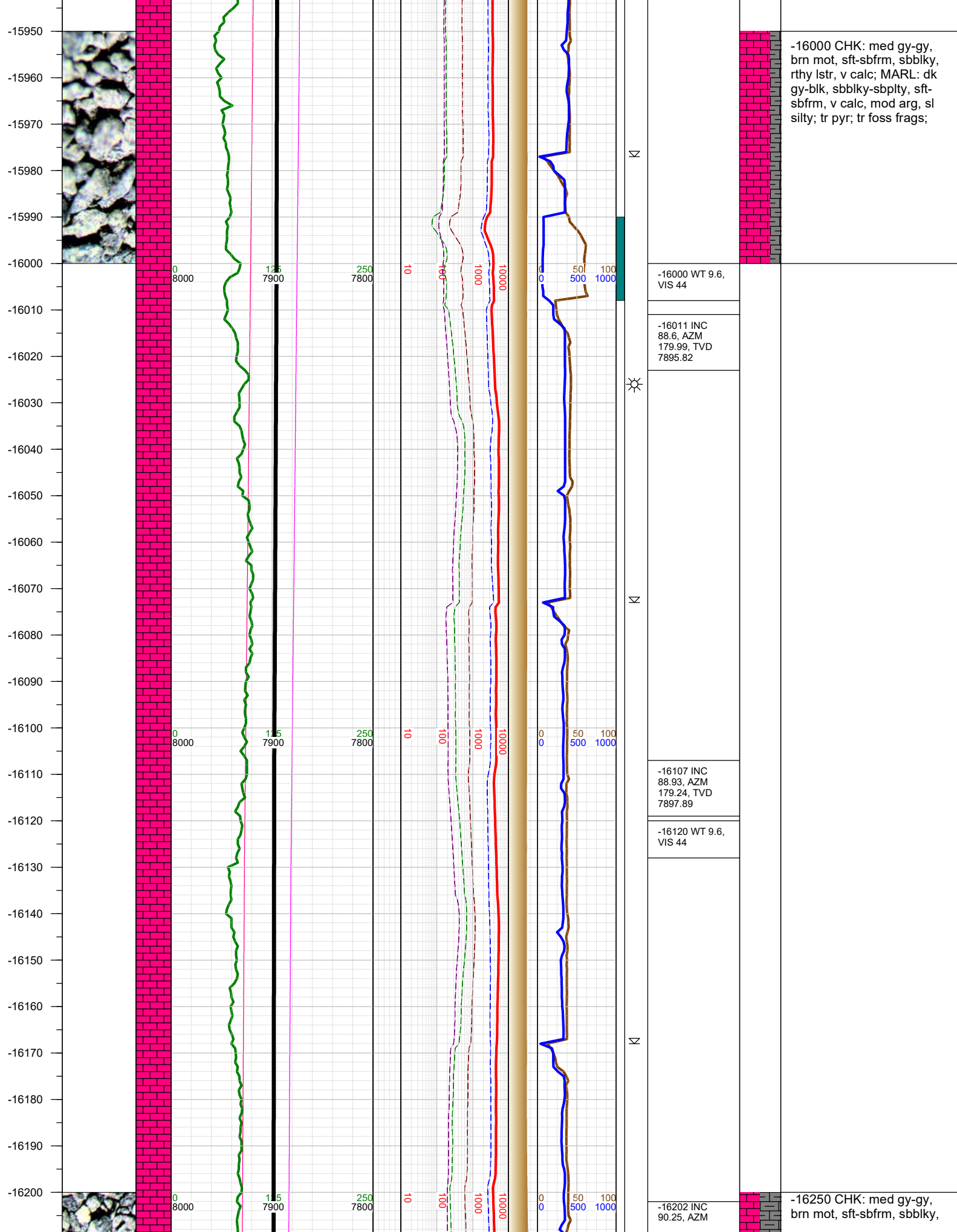


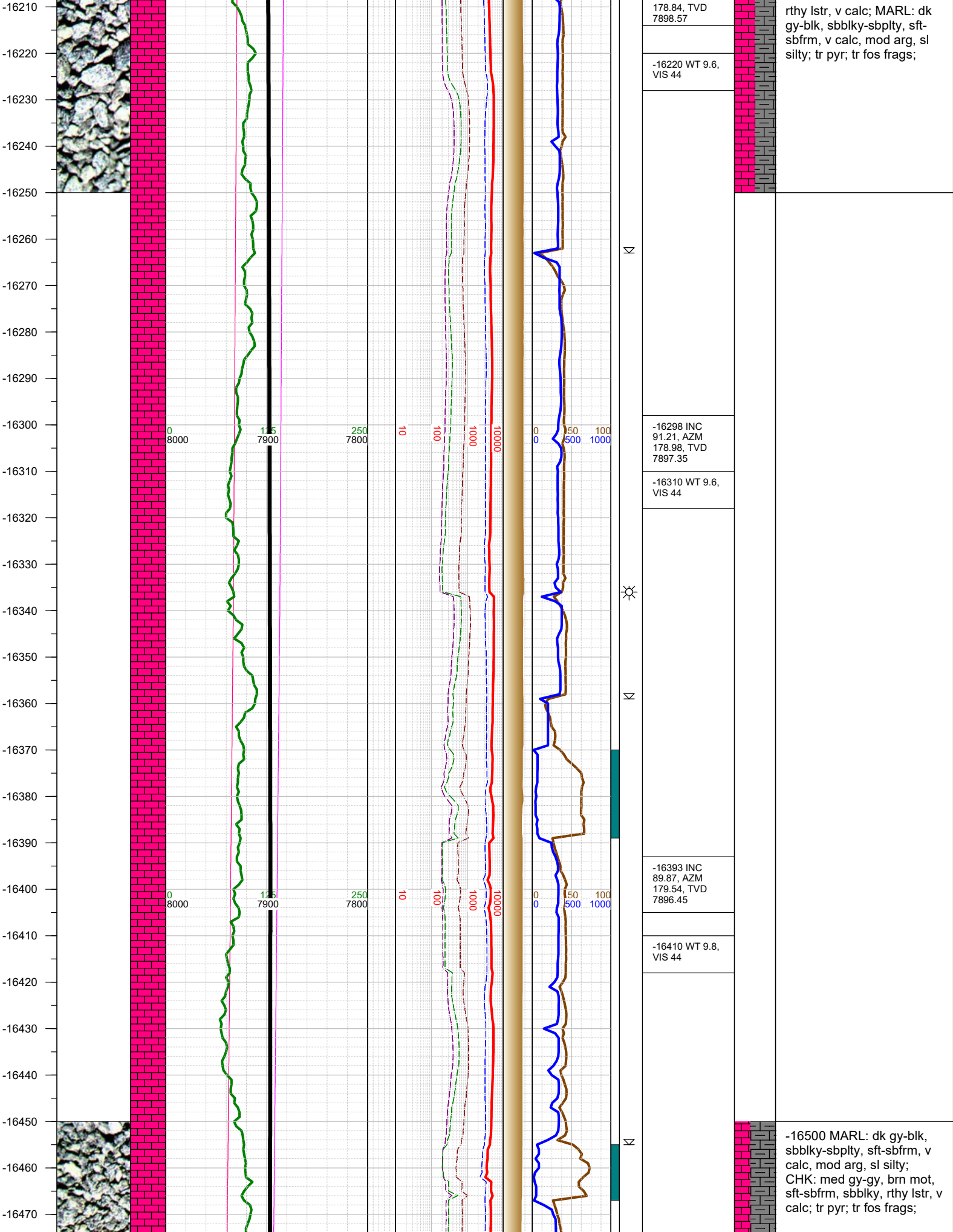
-15000 CHK: med gy, brn
mot, sft-sbfrm, sbblky, rthy
lstr, v calc; MARL: dk gy-
blk, sbblky-sbplty, sft-
sbfrm, v calc, mod arg, sl
silty; tr pyr; tr foram;



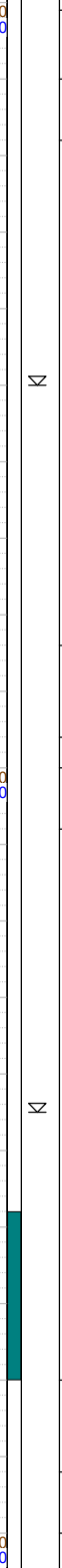
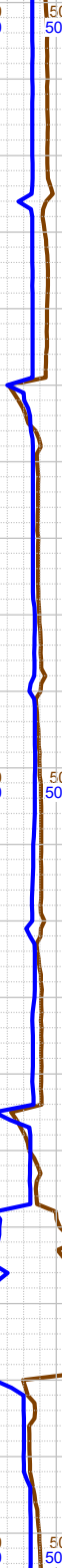
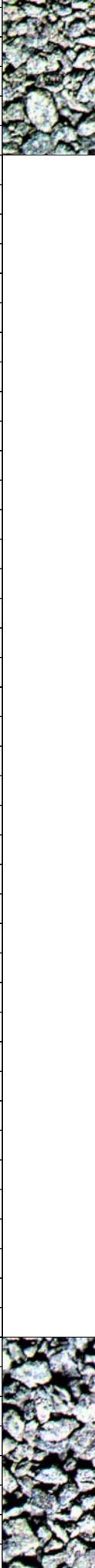






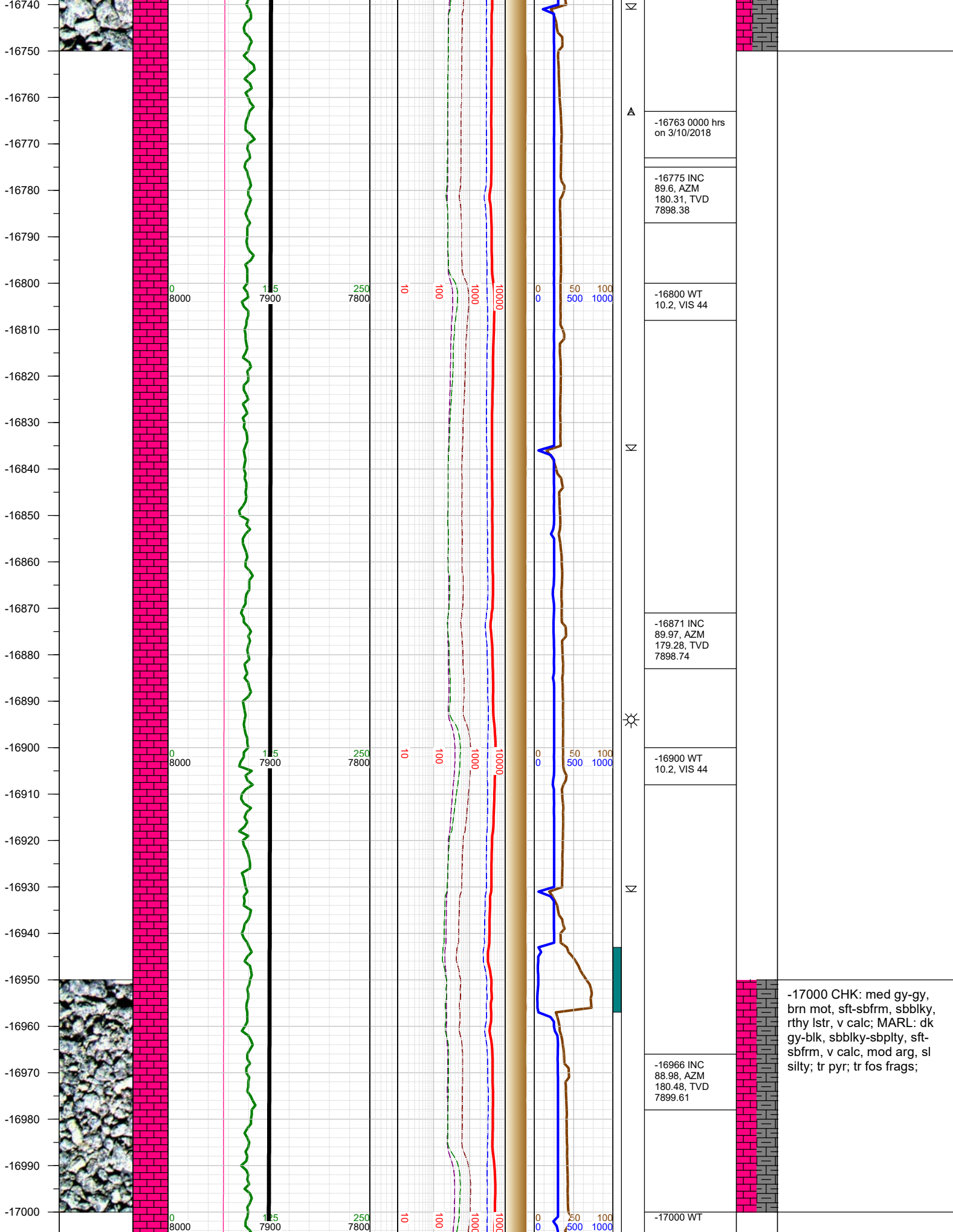


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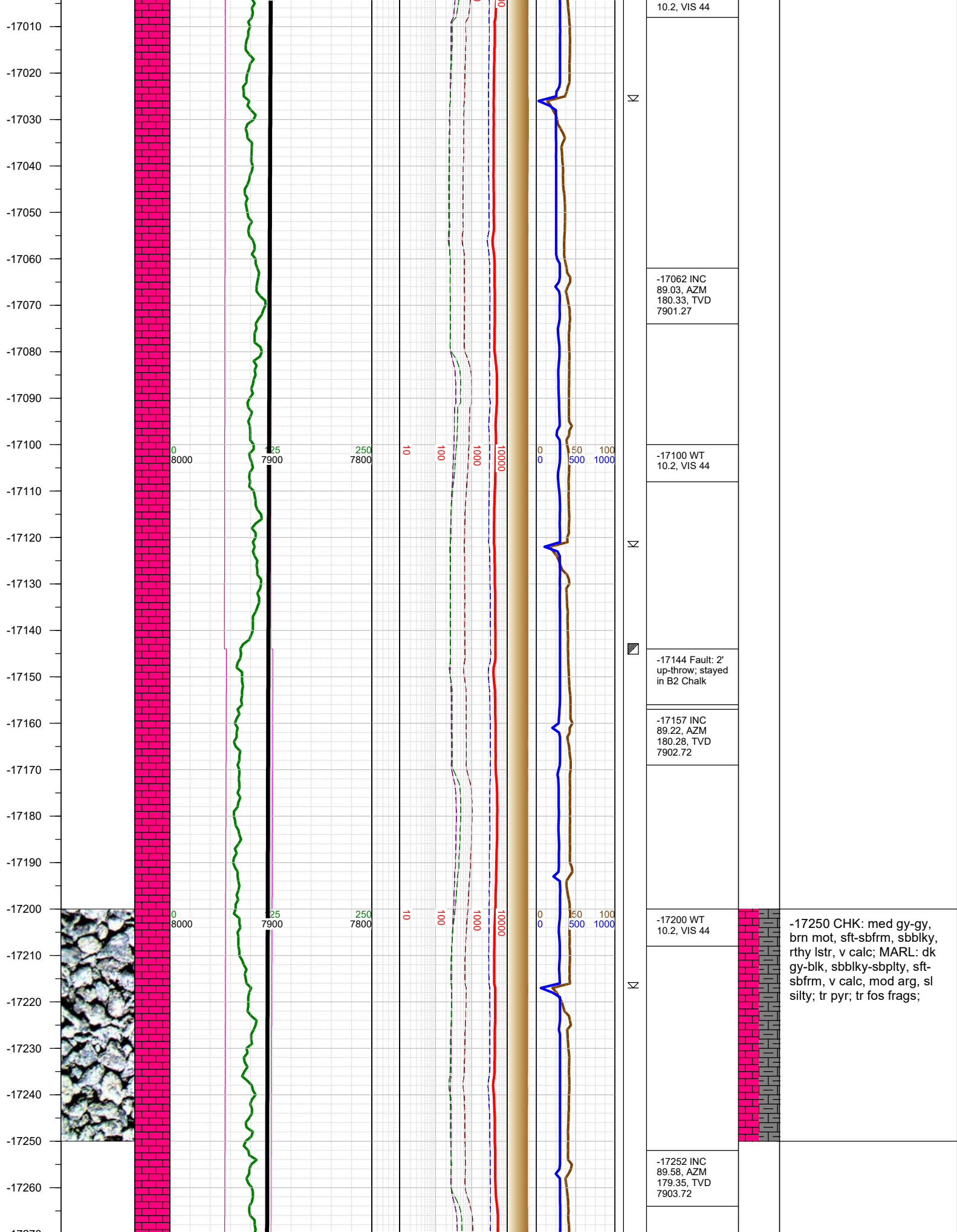


-16489 INC 89.63, AZM 179.21, TVD 7896.87
-16510 WT 10, VIS 44
-16584 INC 90.18, AZM 178.16, TVD 7897.03
-16600 WT 10.2, VIS 44
-16680 INC 89.3, AZM 180.09, TVD 7897.46
-16700 WT 10.2, VIS 44

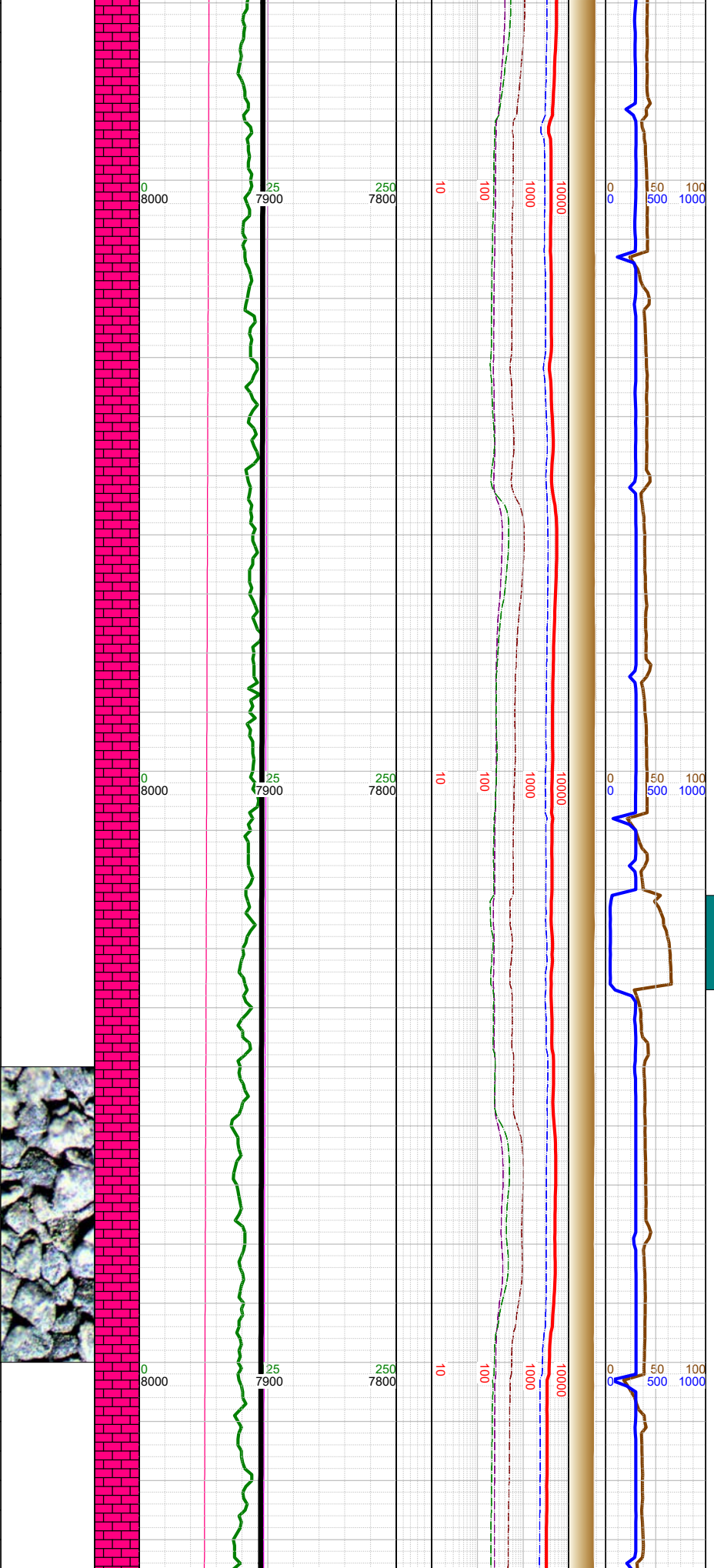
-16750 MARL: dk gy-blk,
sbbkly-sbplty, sft-sbfrm, v
calc, mod arg, sl silty;
CHK: med gy-gy, brn mot,
sft-sbfrm, sbbkly, rthy lstr, v
calc; tr pyr; tr fos frags;



-17000 CHK: med gy-gy, brn mot, sft-sbfrm, sbblky, rthy lstr, v calc; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr pyr; tr fos frags;



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Σ

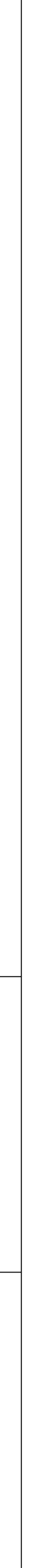
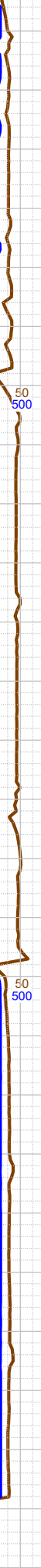
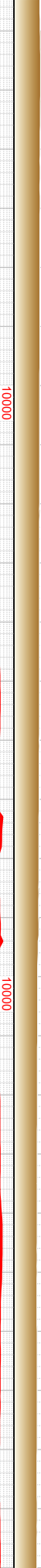
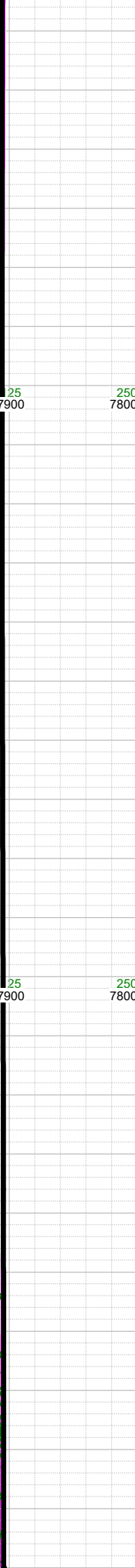
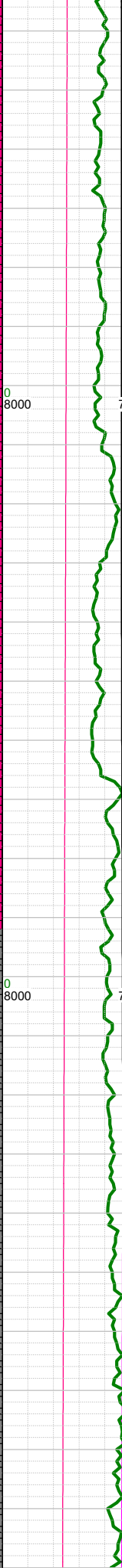
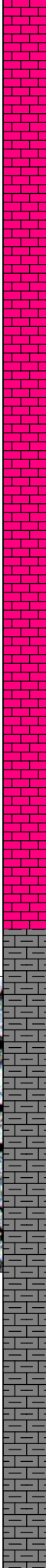
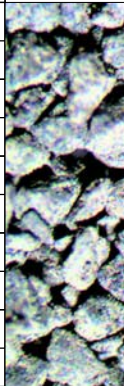
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-17300 WT 10.2, VIS 44
-17347 INC 89.83, AZM 178.94, TVD 7904.21
-17400 WT 10.2, VIS 45
-17443 INC 89.31, AZM 181.02, TVD 7904.93
-17500 WT 10.2, VIS 44

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

-17540
-17550
-17560
-17570
-17580
-17590
-17600
-17610
-17620
-17630
-17640
-17650
-17660
-17670
-17680
-17690
-17700
-17710
-17720
-17730
-17740
-17750
-17760
-17770
-17780
-17790
17800



-17538 INC
89.78, AZM
180.59, TVD
7905.68

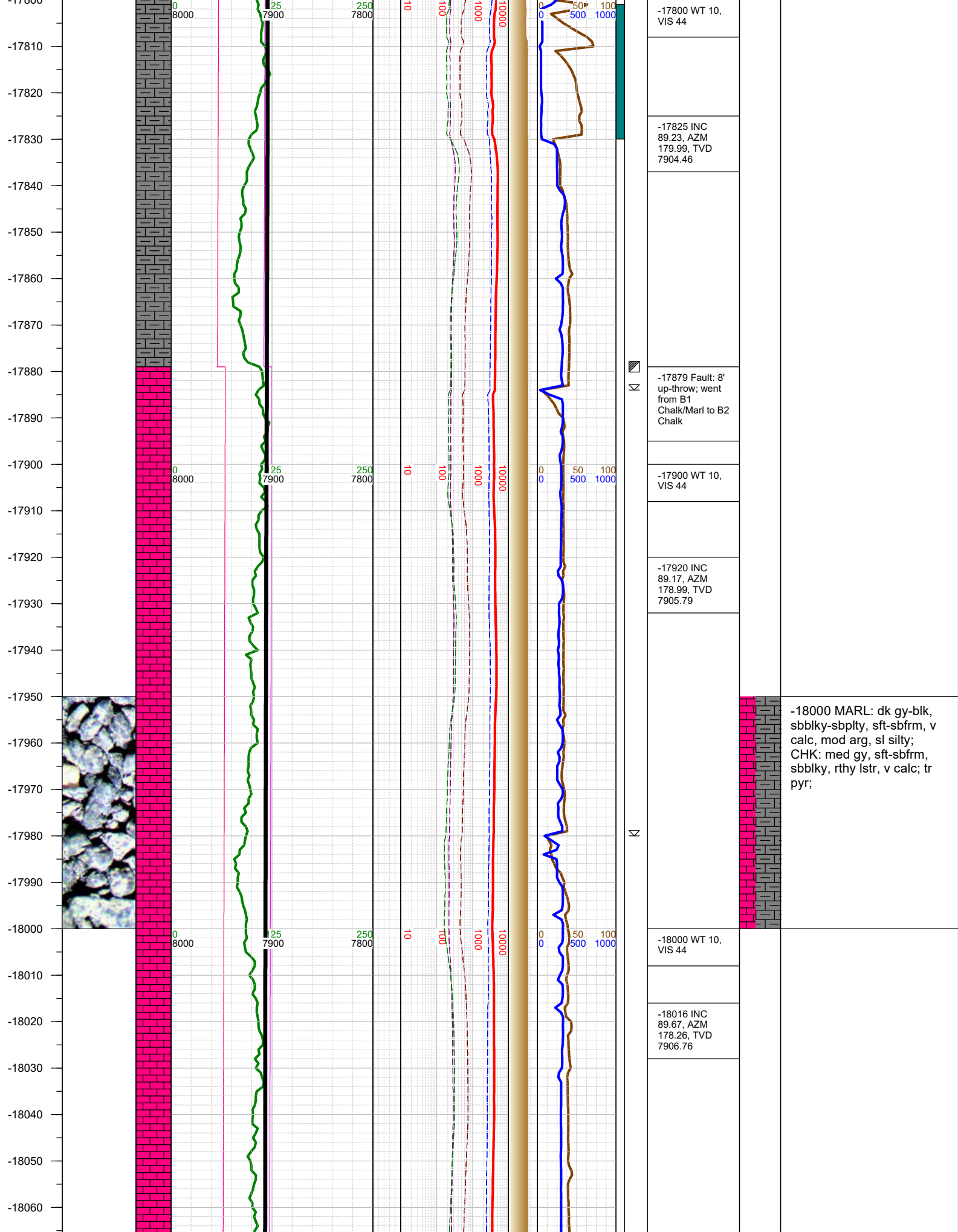
-17600 WT
10.2, VIS 44

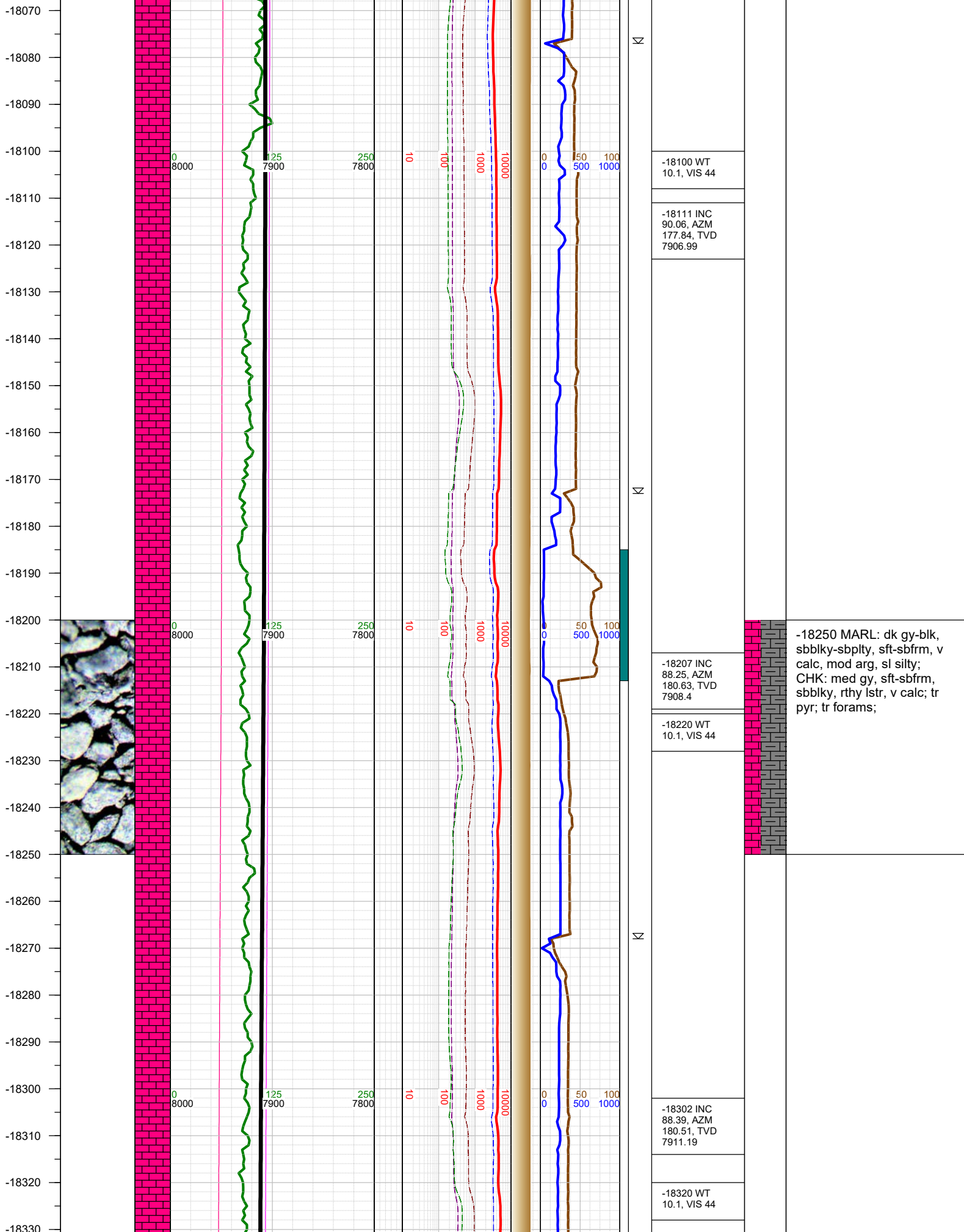
-17634 INC
90.29, AZM
180.36, TVD
7905.63

-17700 WT
10.2, VIS 44

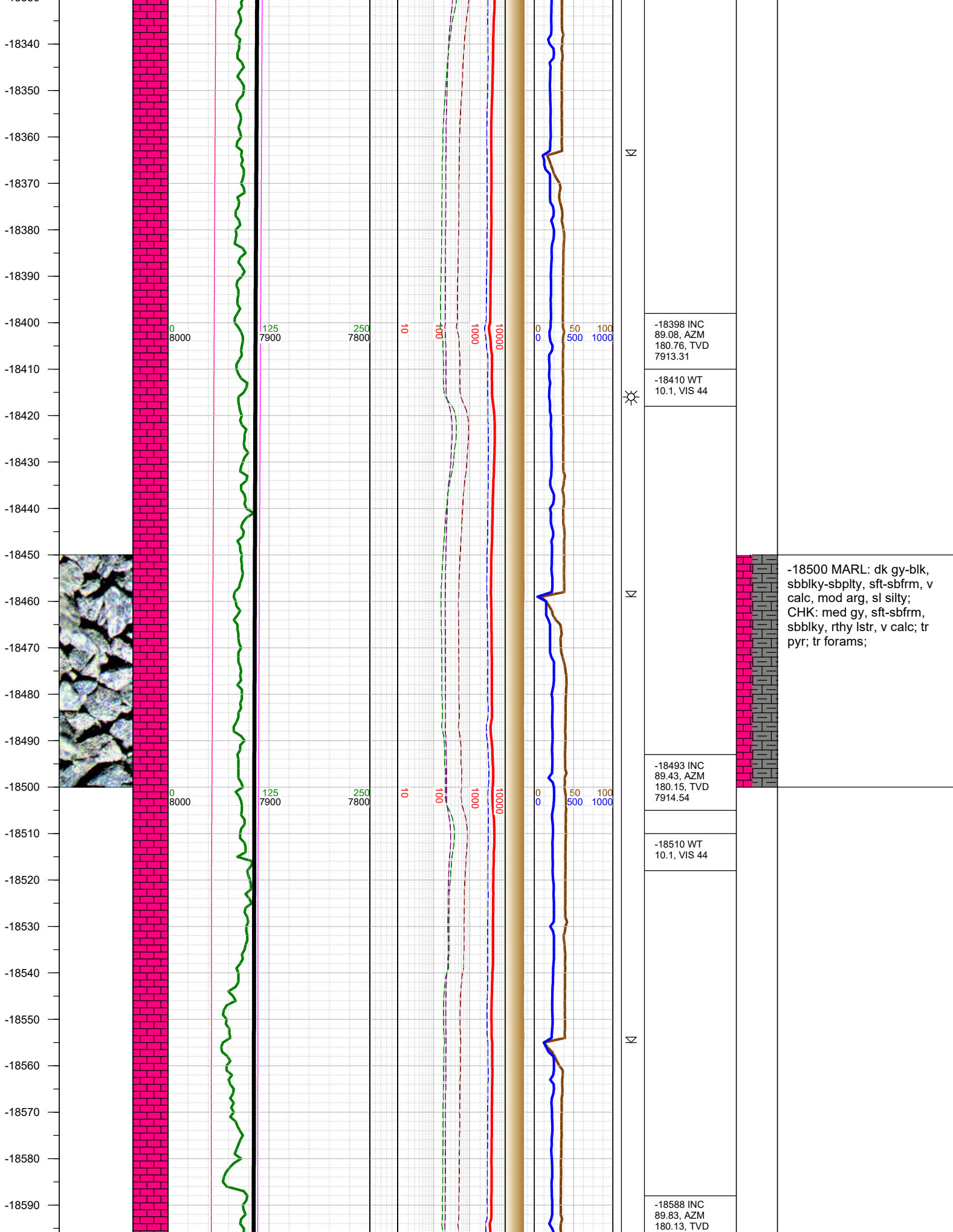
-17729 INC
90.94, AZM
179.21, TVD
7904.61

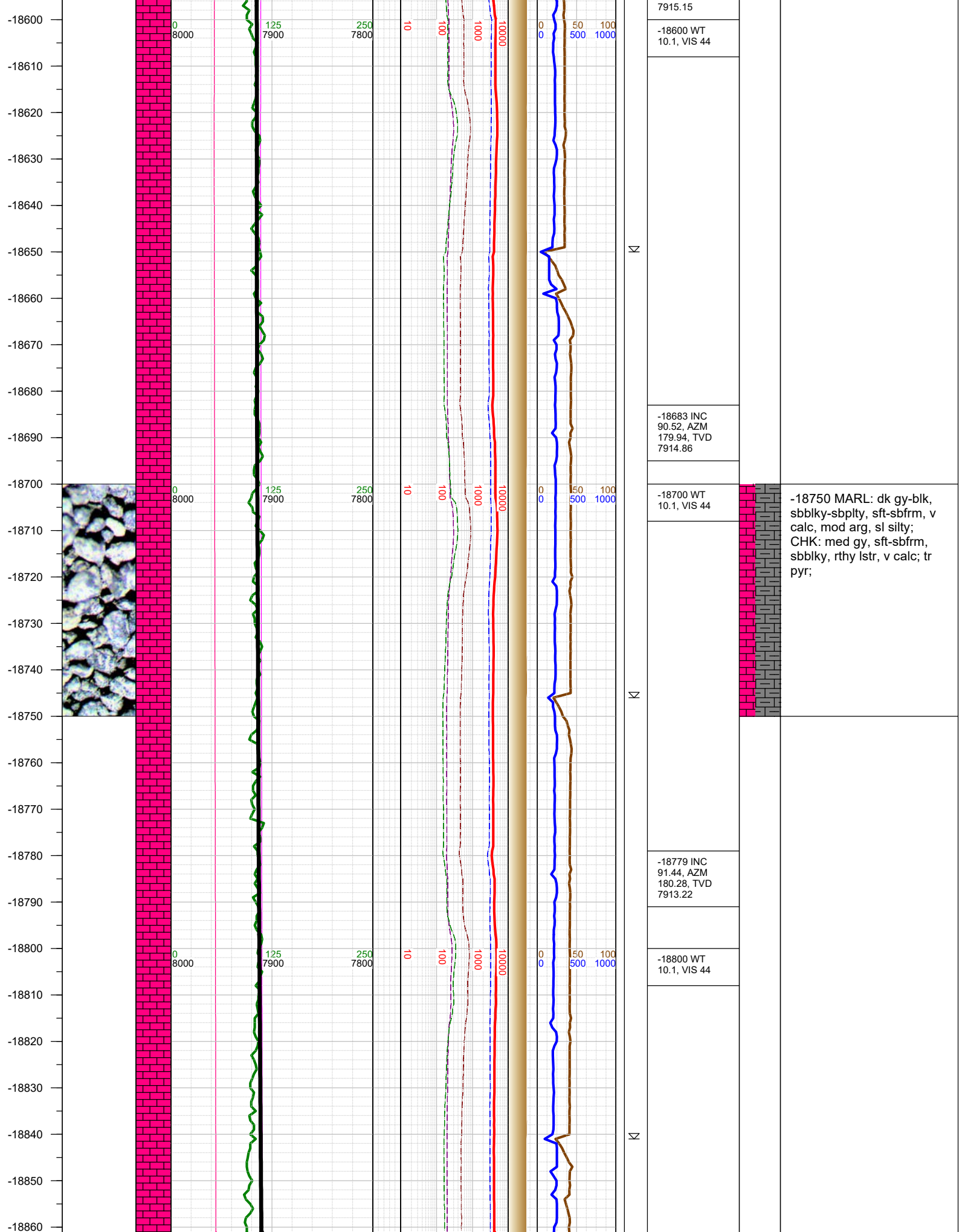
-17750 MARL: dk gy-blk,
sbbkly-sbplty, sft-sbfrm, v
calc, mod arg, sl silty;
CHK: med gy, sft-sbfrm,
sbbkly, rthy lstr, v calc; tr
pyr;

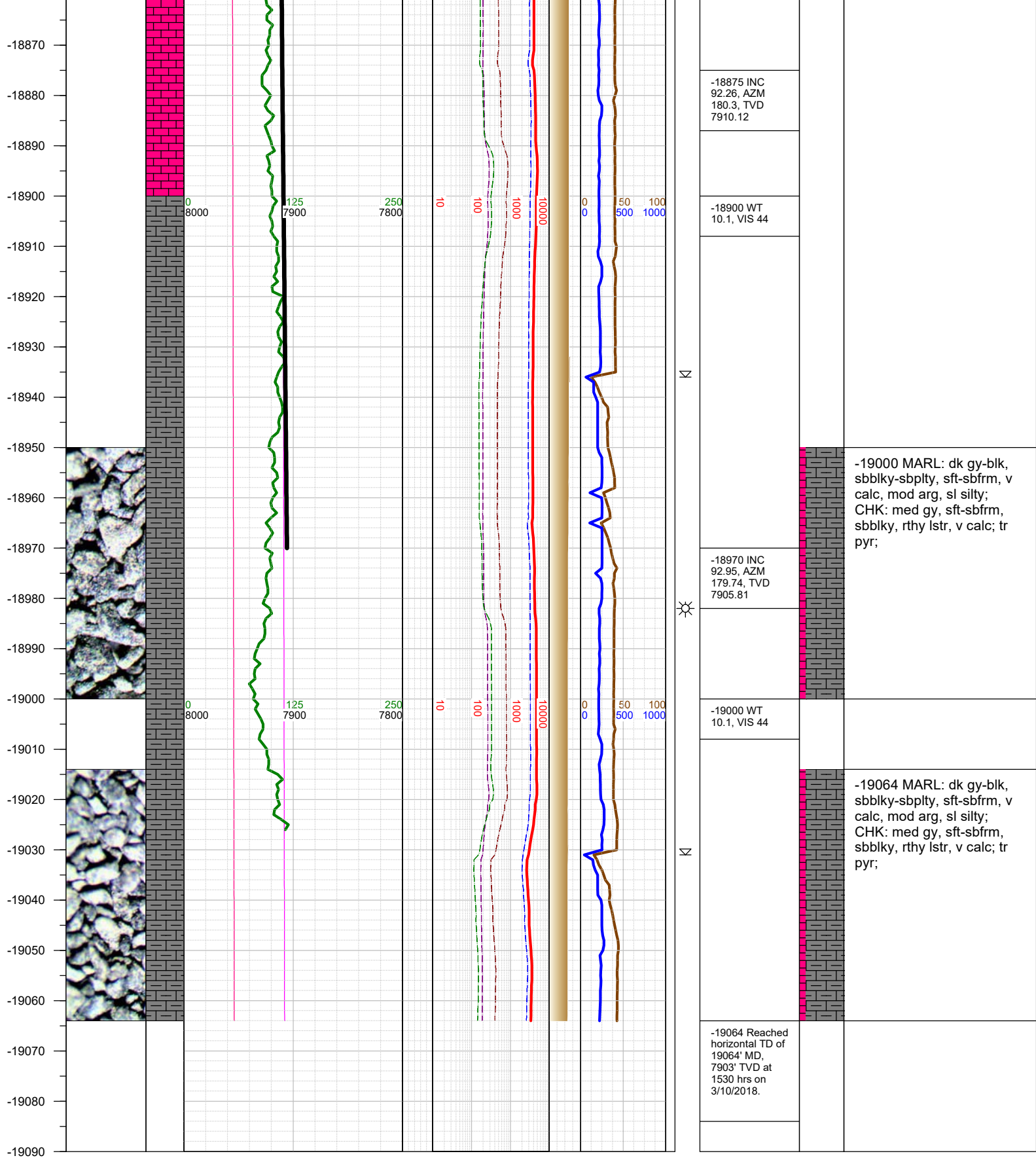




-18250 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; CHK: med gy, sft-sbfrm, sbblky, rthy lstr, v calc; tr pyr; tr forams;







TOTAL DEPTH = 19064'

Thank you for using Earth Science Agency