

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

WELL NAME: **Thornton C-29-30HN**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: True 38

API #: 05-123-43610

LAT/LONG: 40.548537, -104.791355
SURFACE HOLE: SWNW S28-T7N-R66W, 1676' FNL, 405' FWL
BOTTOM HOLE: S30-T7N-R66W, 545' FNL, 470' FWL

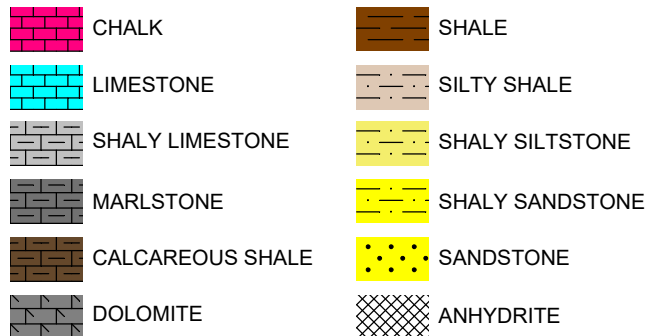


Earth Science Agency, LLC

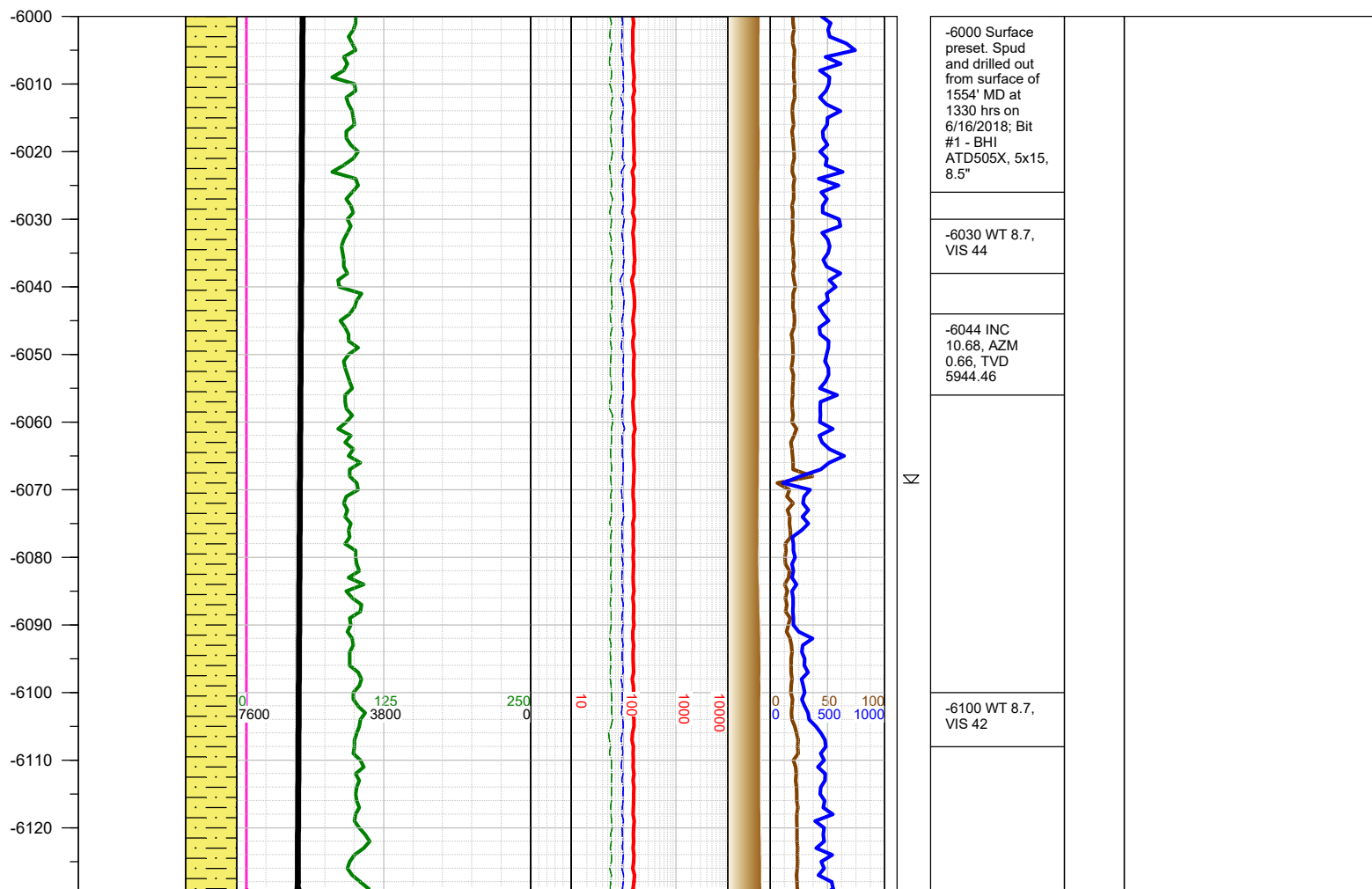
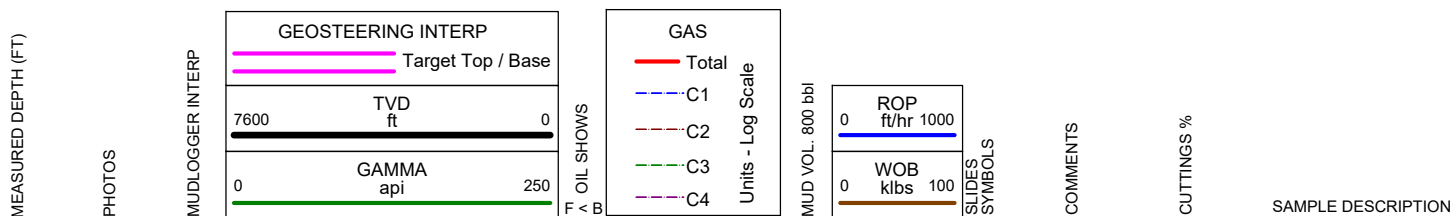
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 4909'
KELLY BUSHING: 4934'
DRILLING FLUID: OBM
TVD VS. MD: 7292' / 17786'
SPUD DATE: June 16, 2018
TD DATE: June 21, 2018

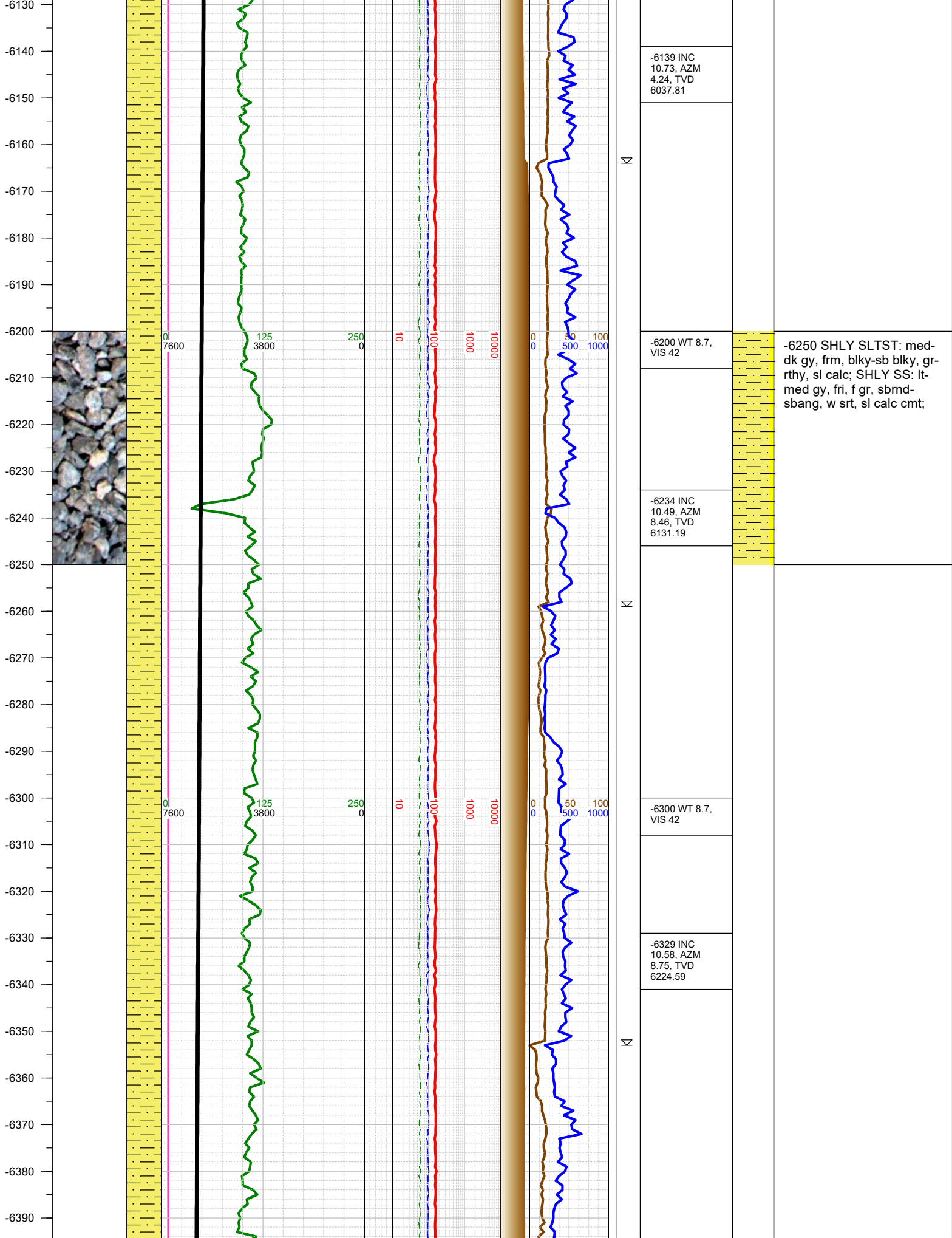
DEPTHS LOGGED: 6000' - 17786'
DATES LOGGED: June 17, 2018 - June 21, 2018
GEOLOGISTS: Curtis Magnino, Scott Snoy
SCALE: 5" = 100'

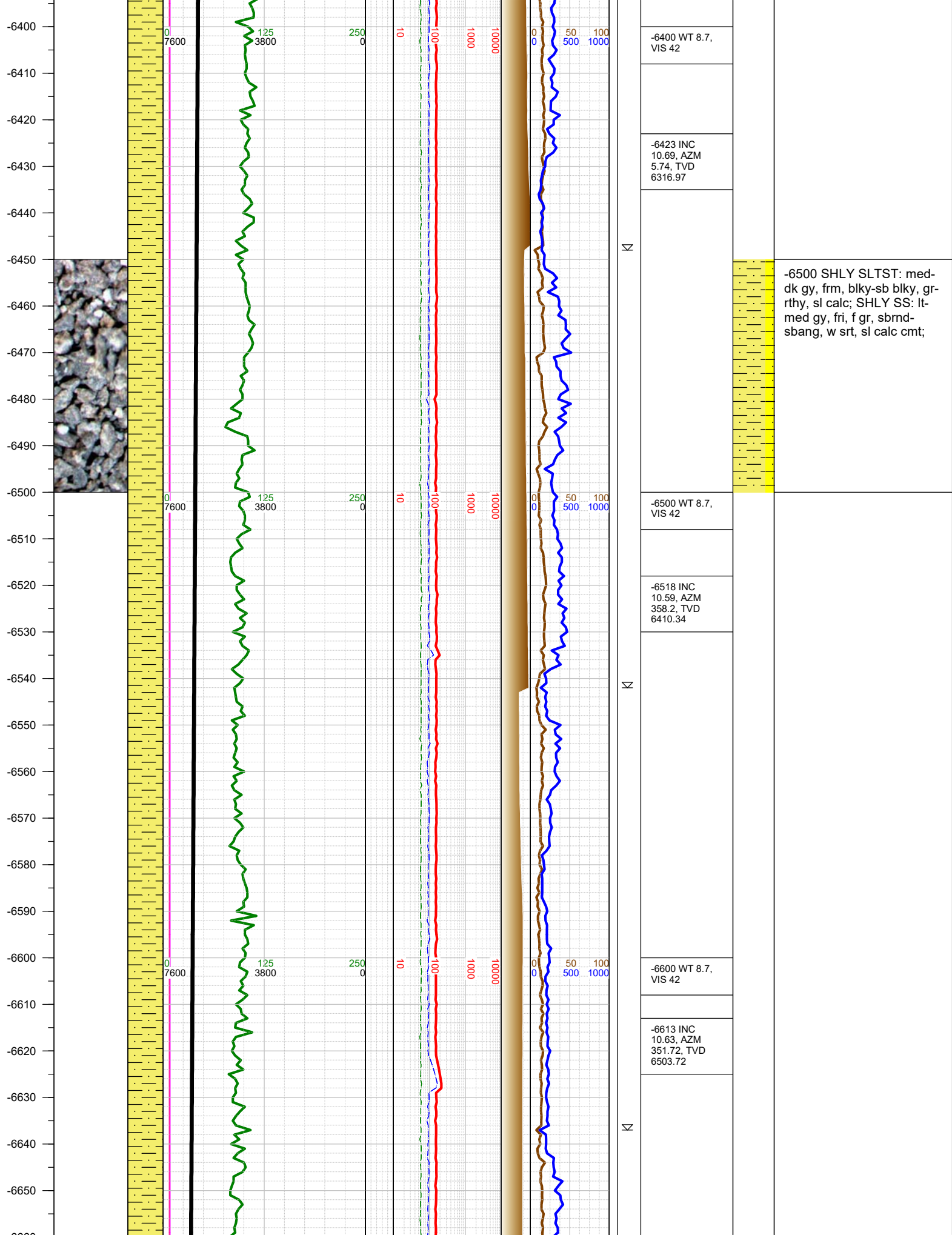
LEGEND

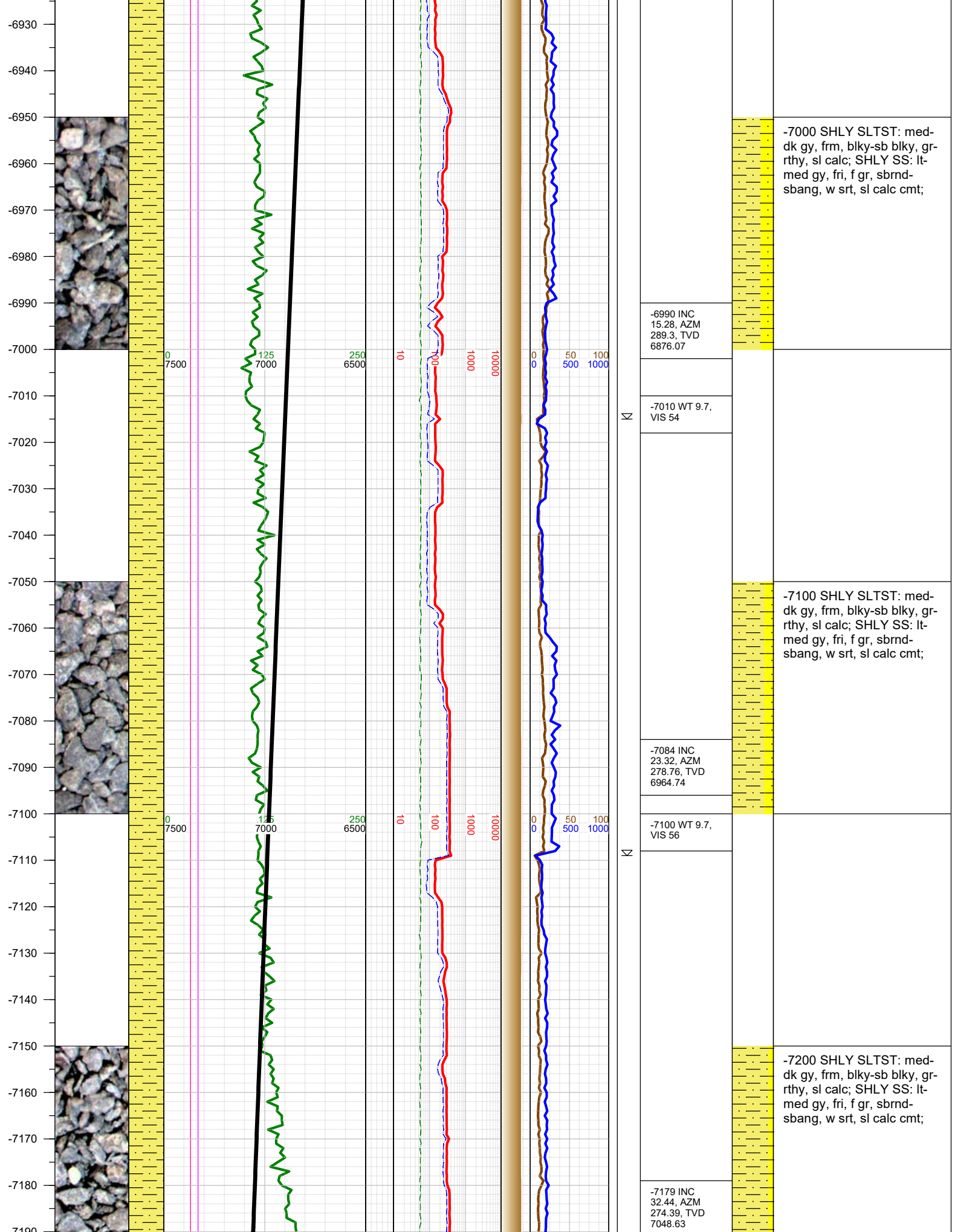


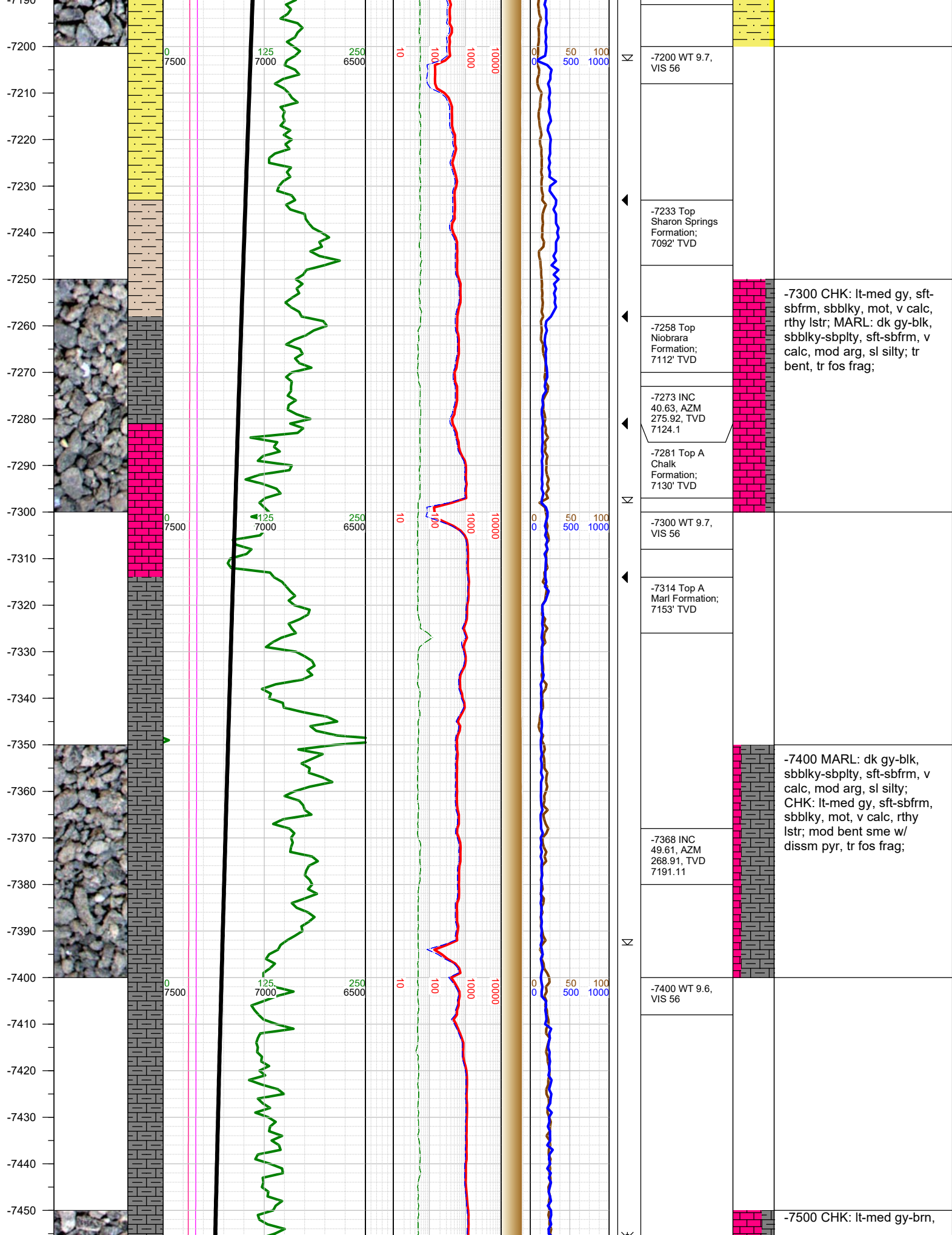
FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

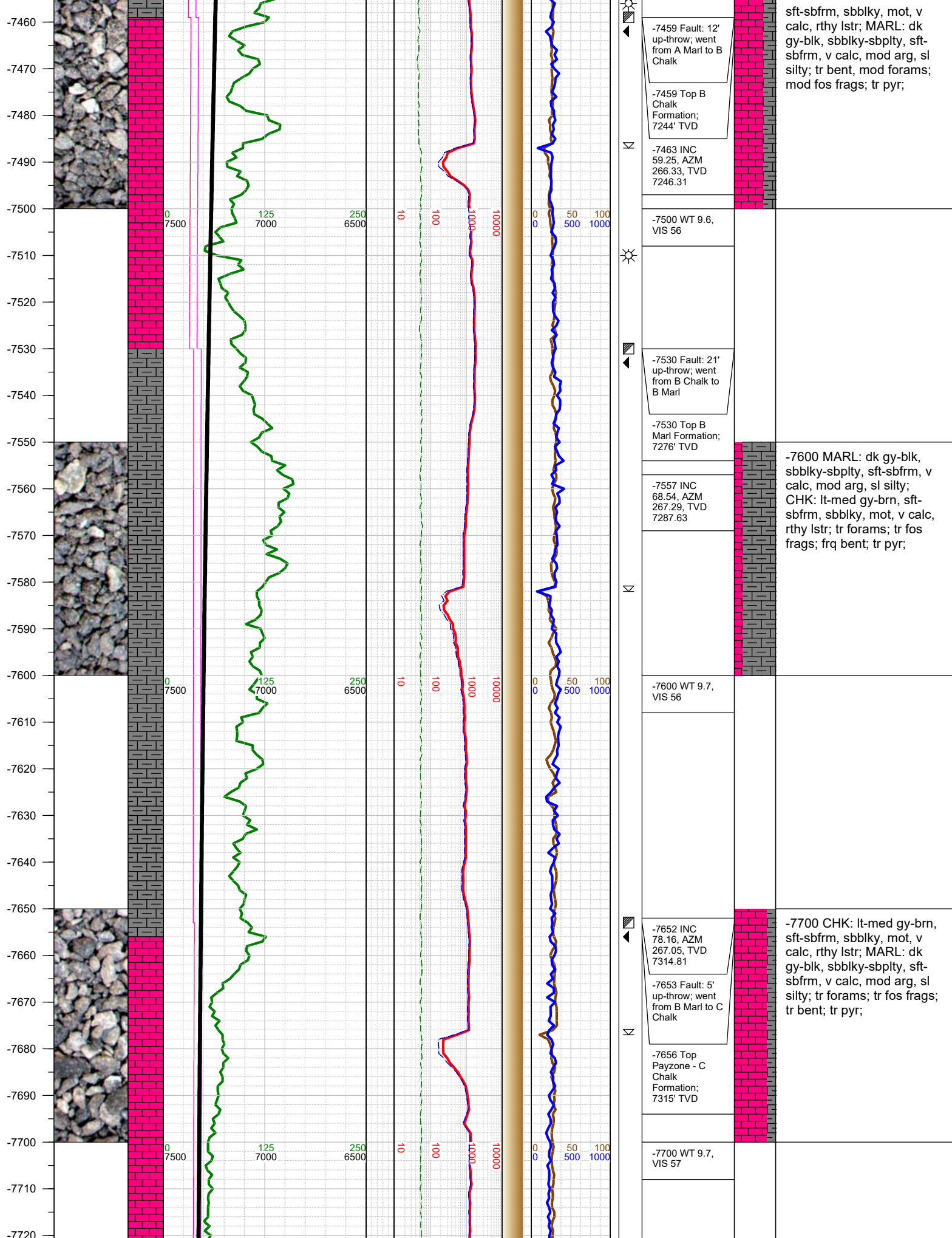








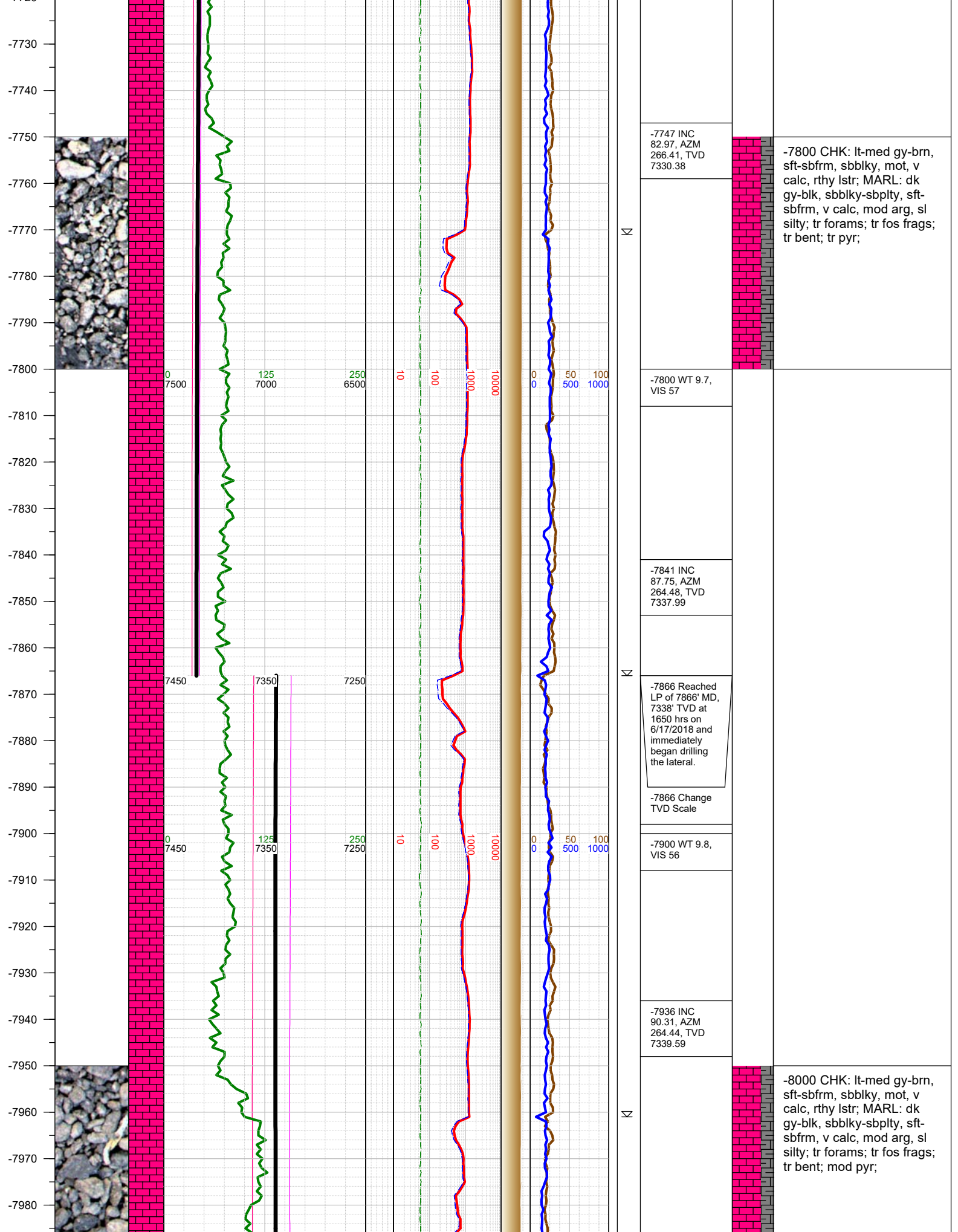


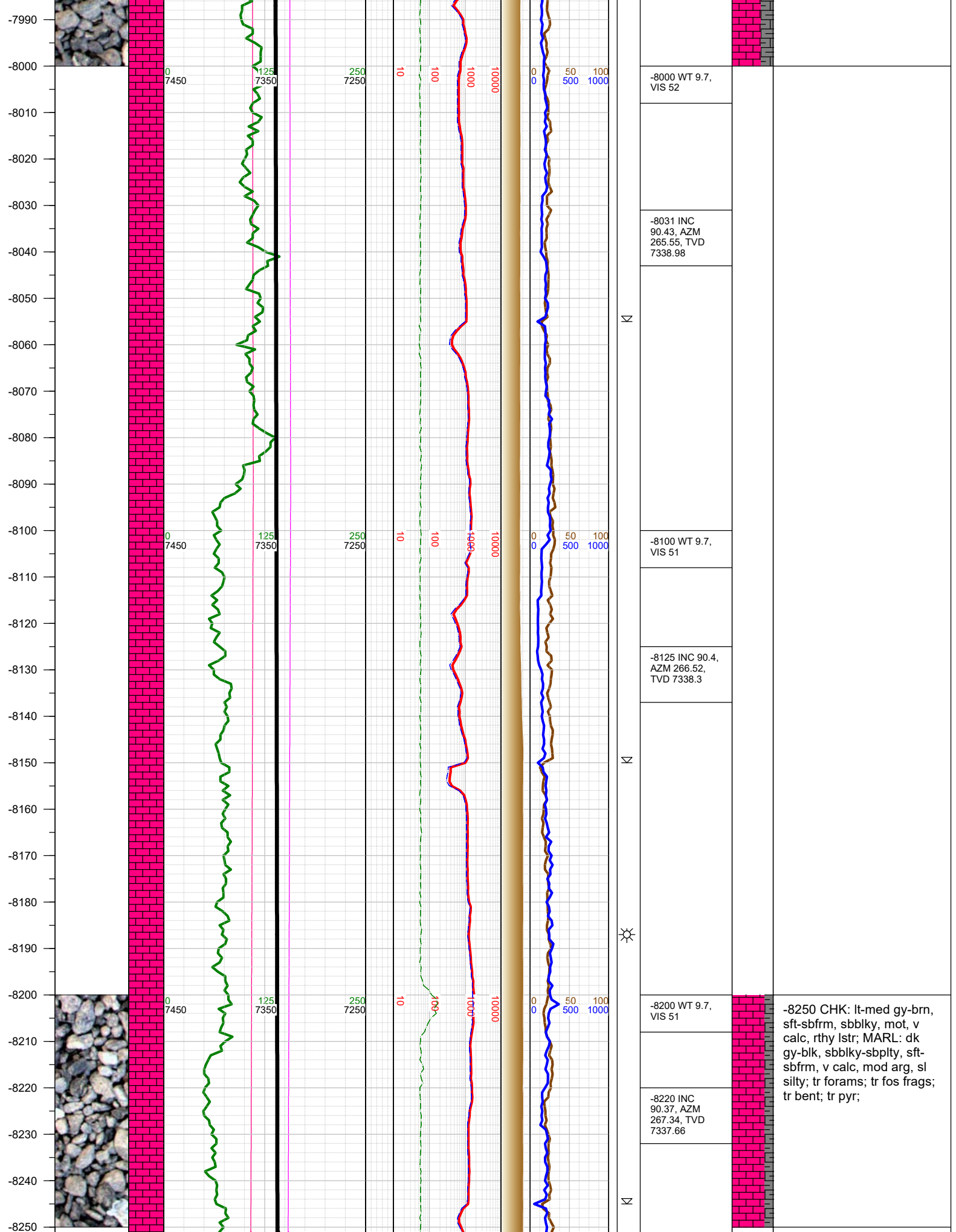


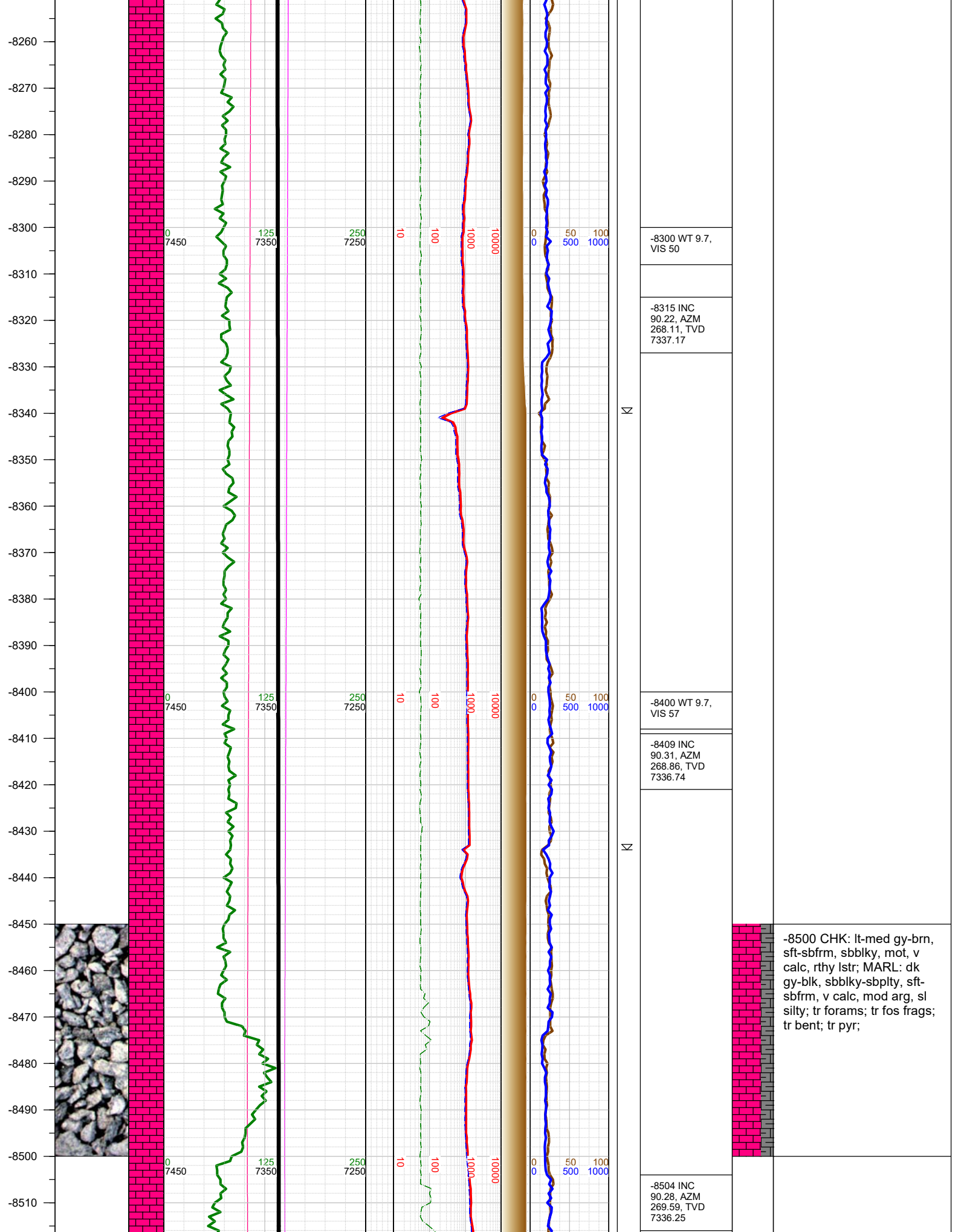
sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr bent, mod forams; mod fos frags; tr pyr;

-7600 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; tr forams; tr fos frags; frq bent; tr pyr;

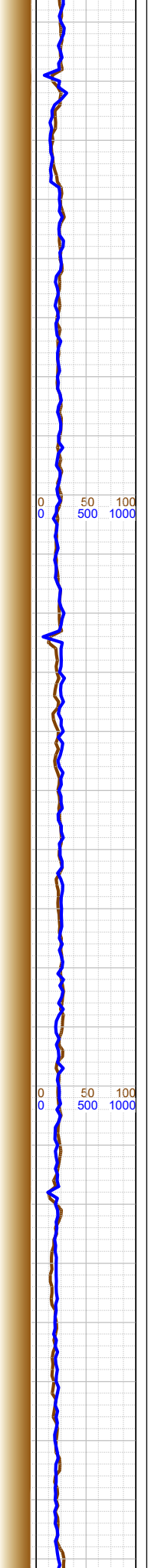
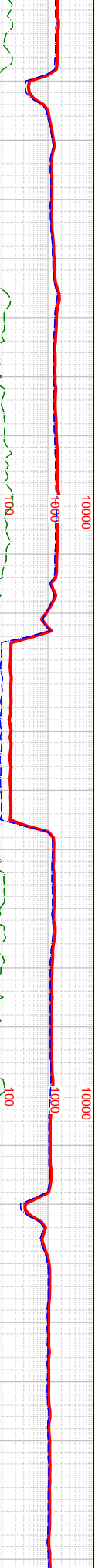
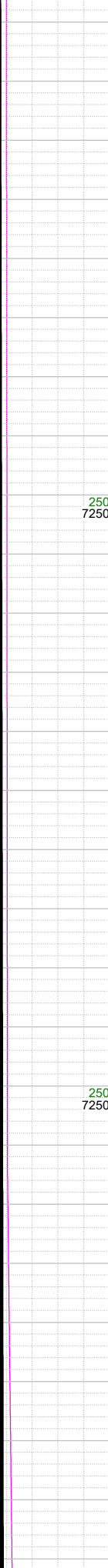
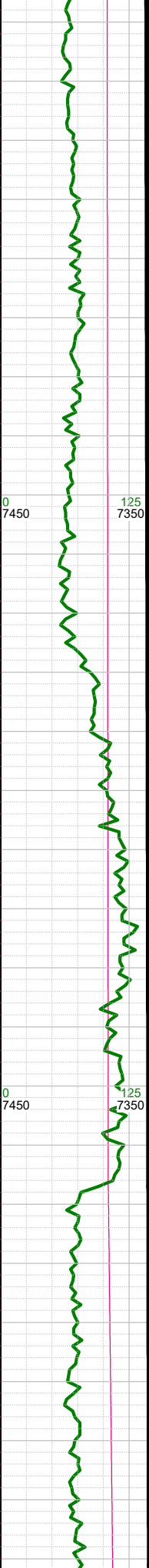
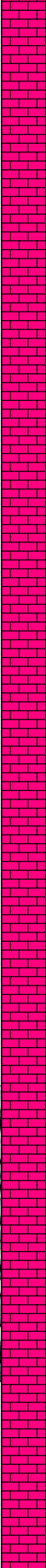
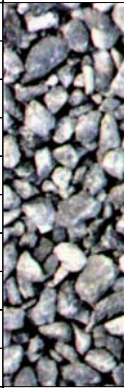
-7700 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr forams; tr fos frags; tr bent; tr pyr;



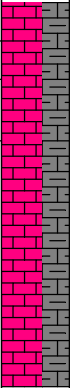




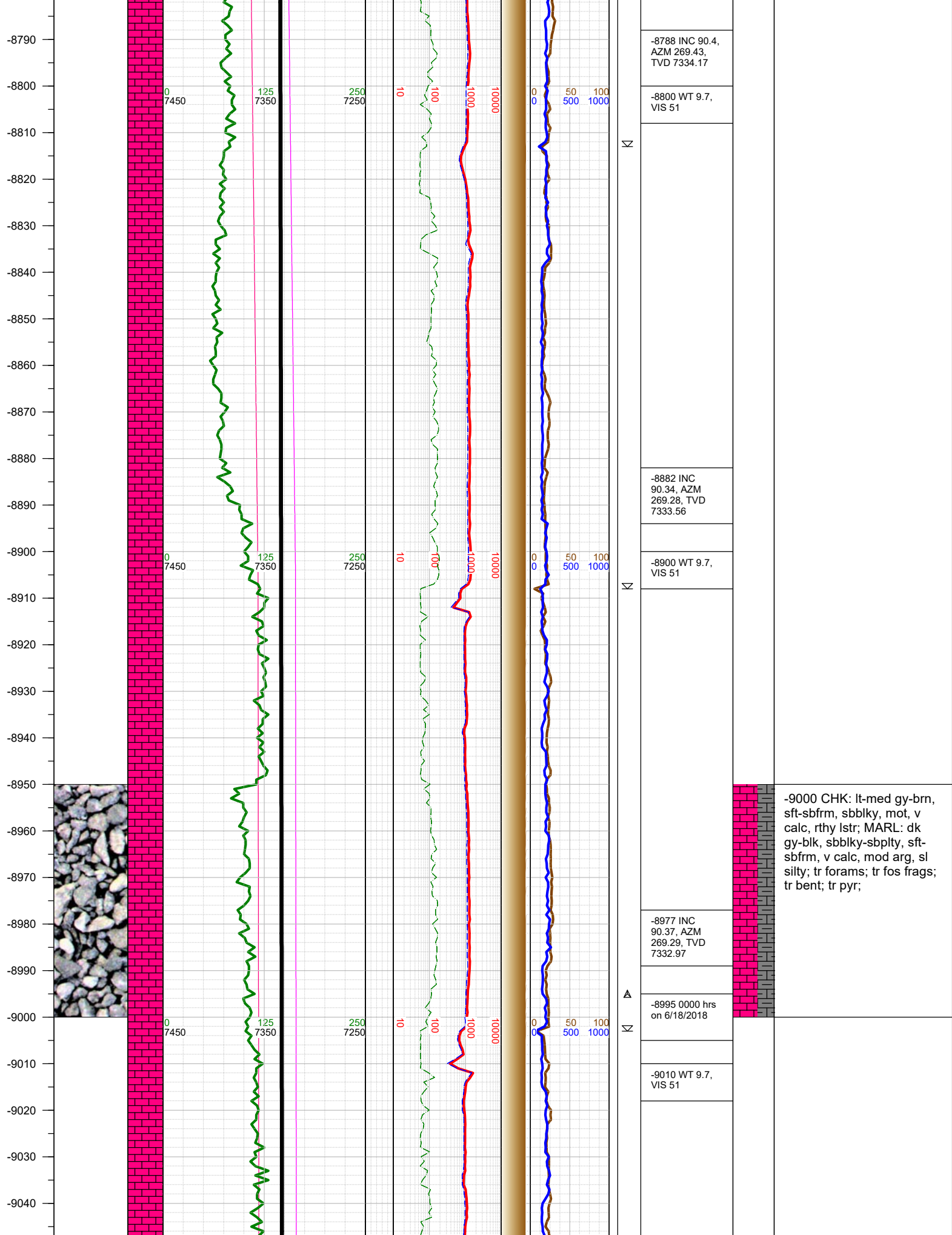
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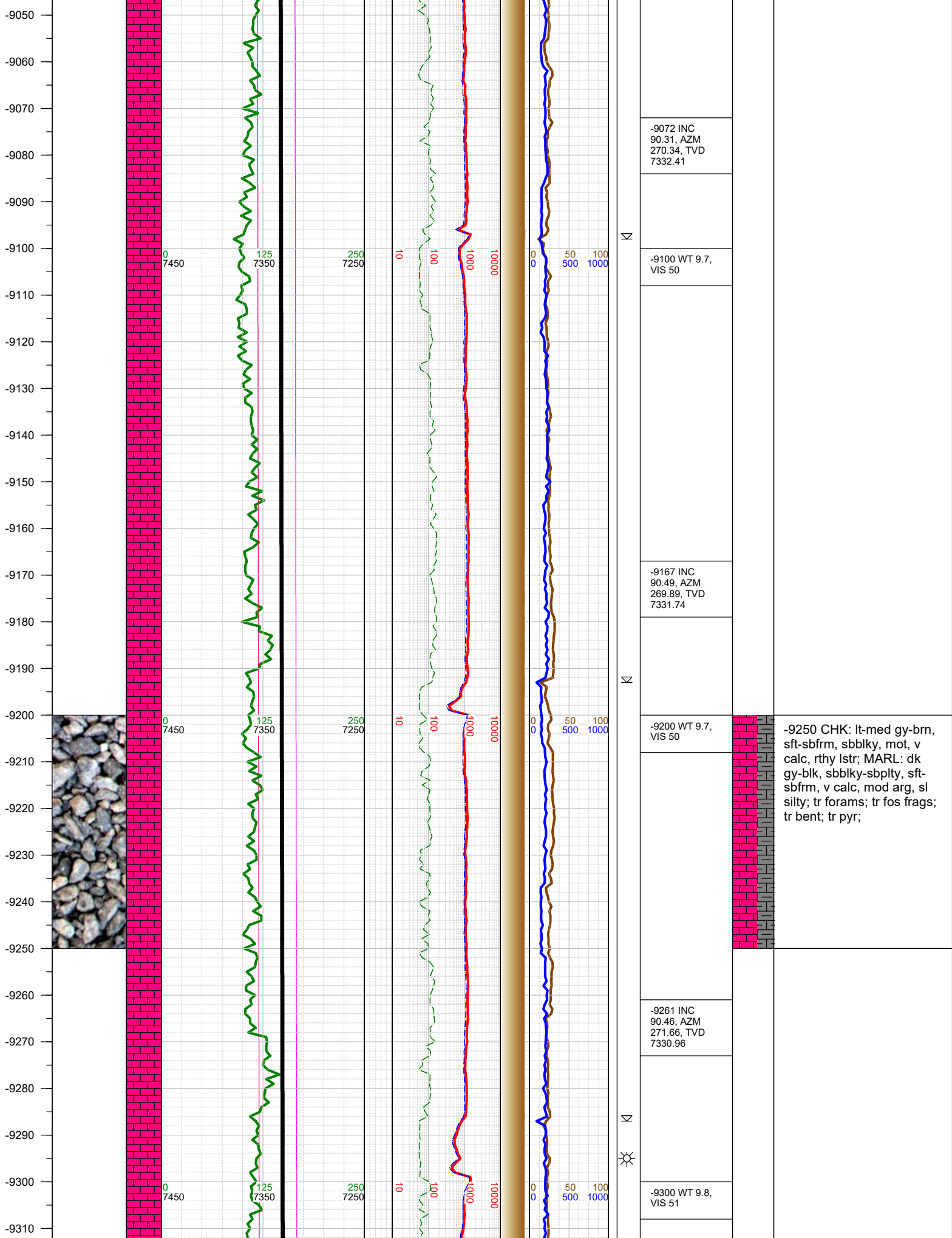


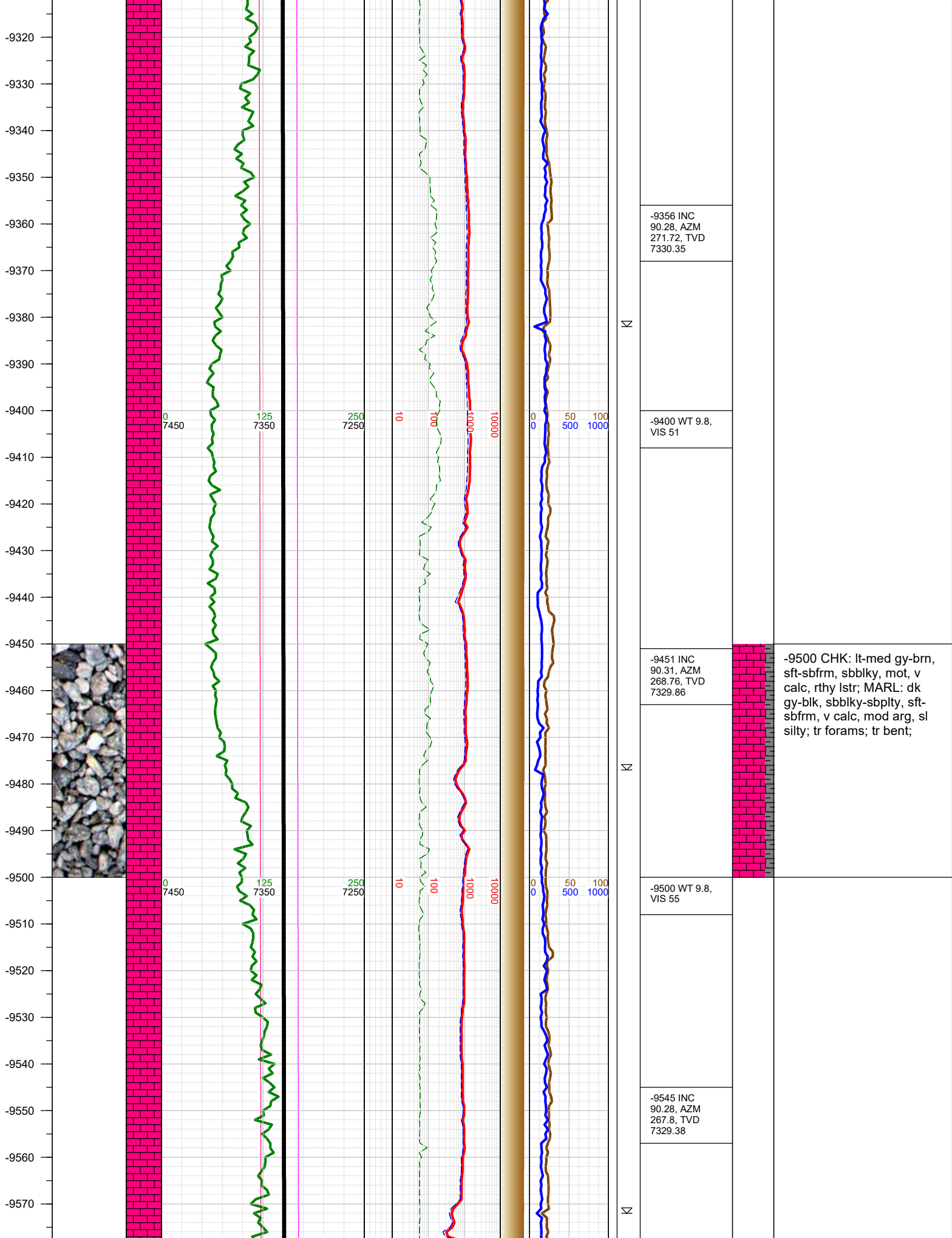
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N	-8599 INC 90.55, AZM 268.97, TVD 7335.56
N	-8620 WT 9.7, VIS 51
N	-8693 INC 90.37, AZM 269.68, TVD 7334.8
N	-8710 WT 9.7, VIS 51

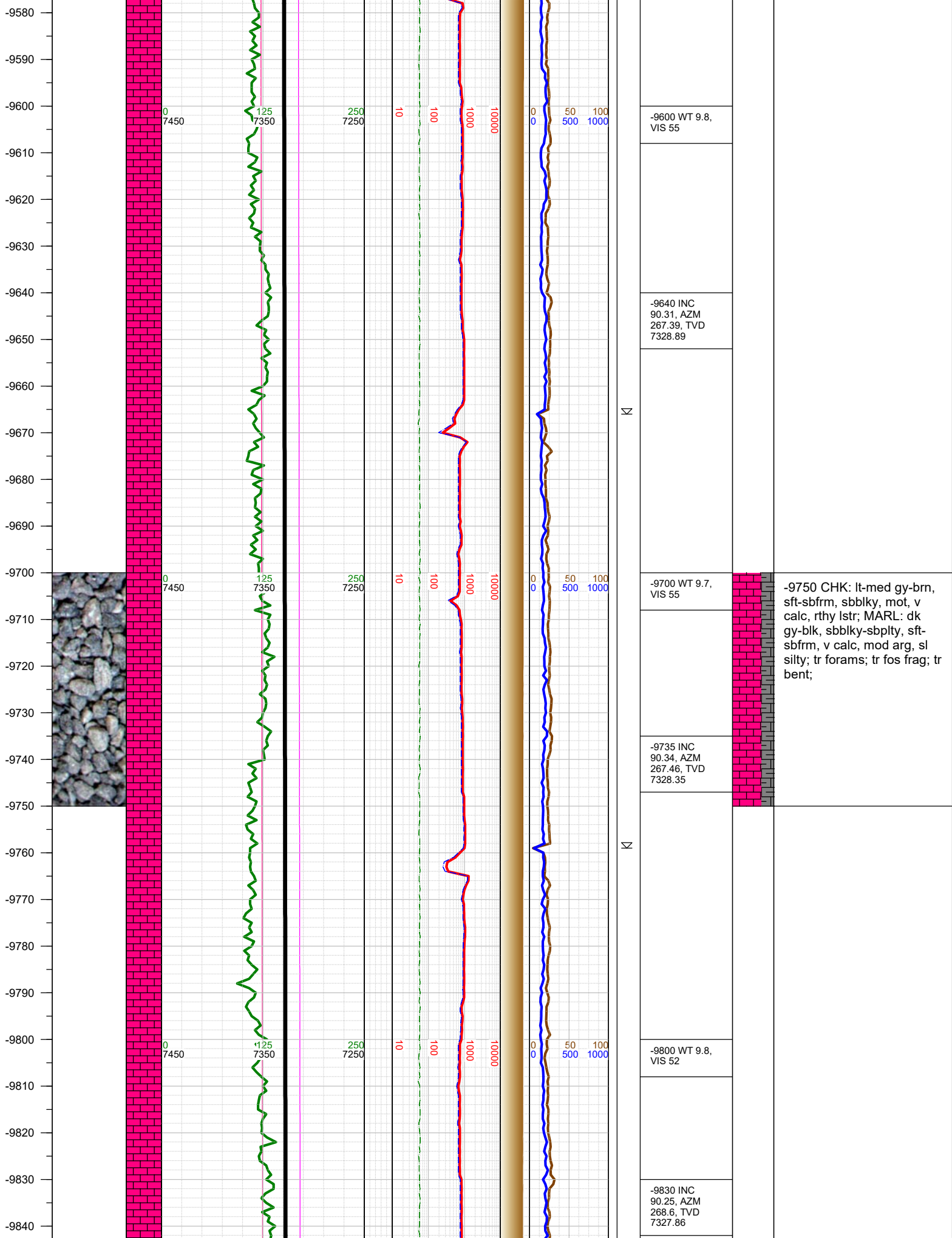


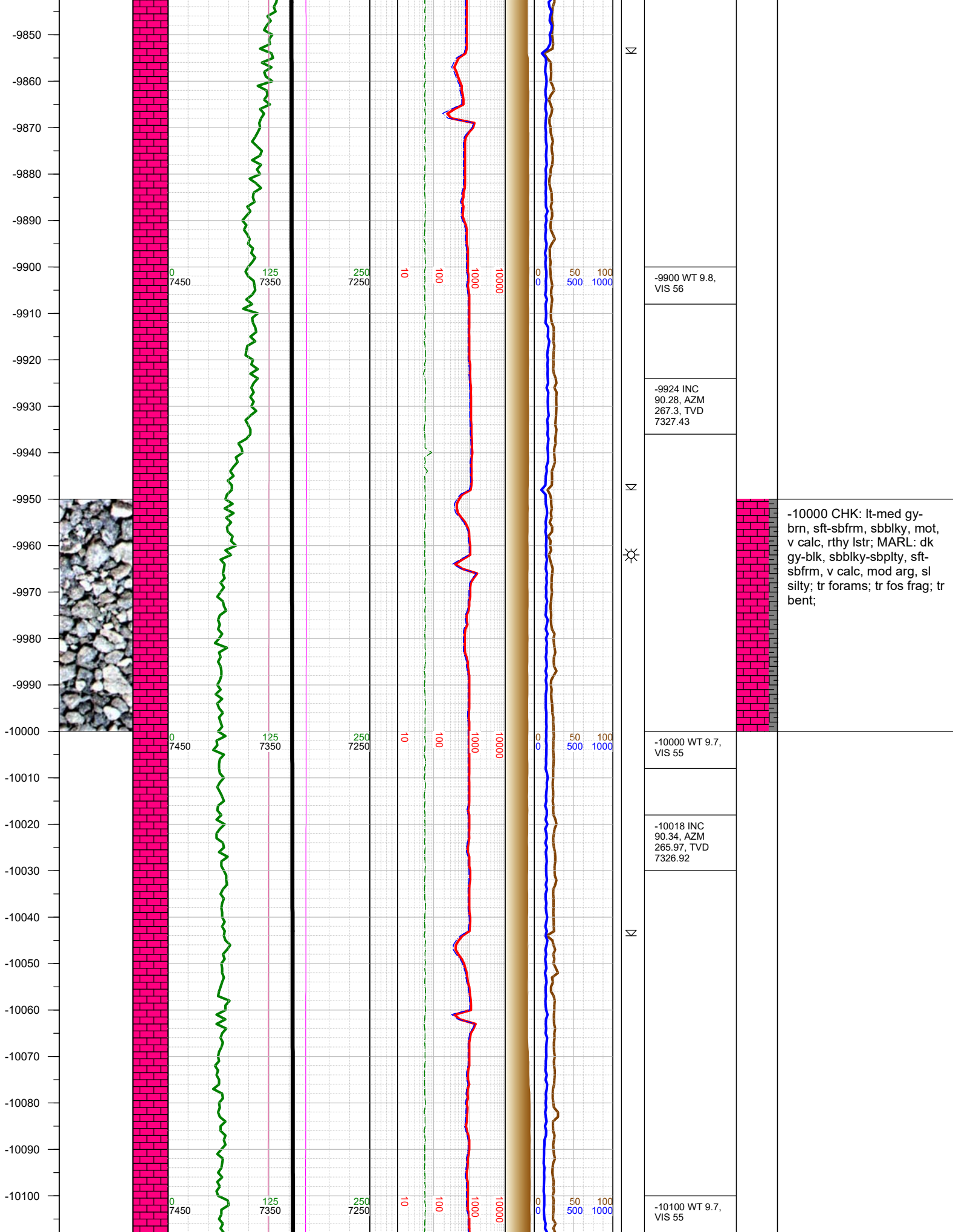
-8750 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr forams; tr bent; tr pyr;

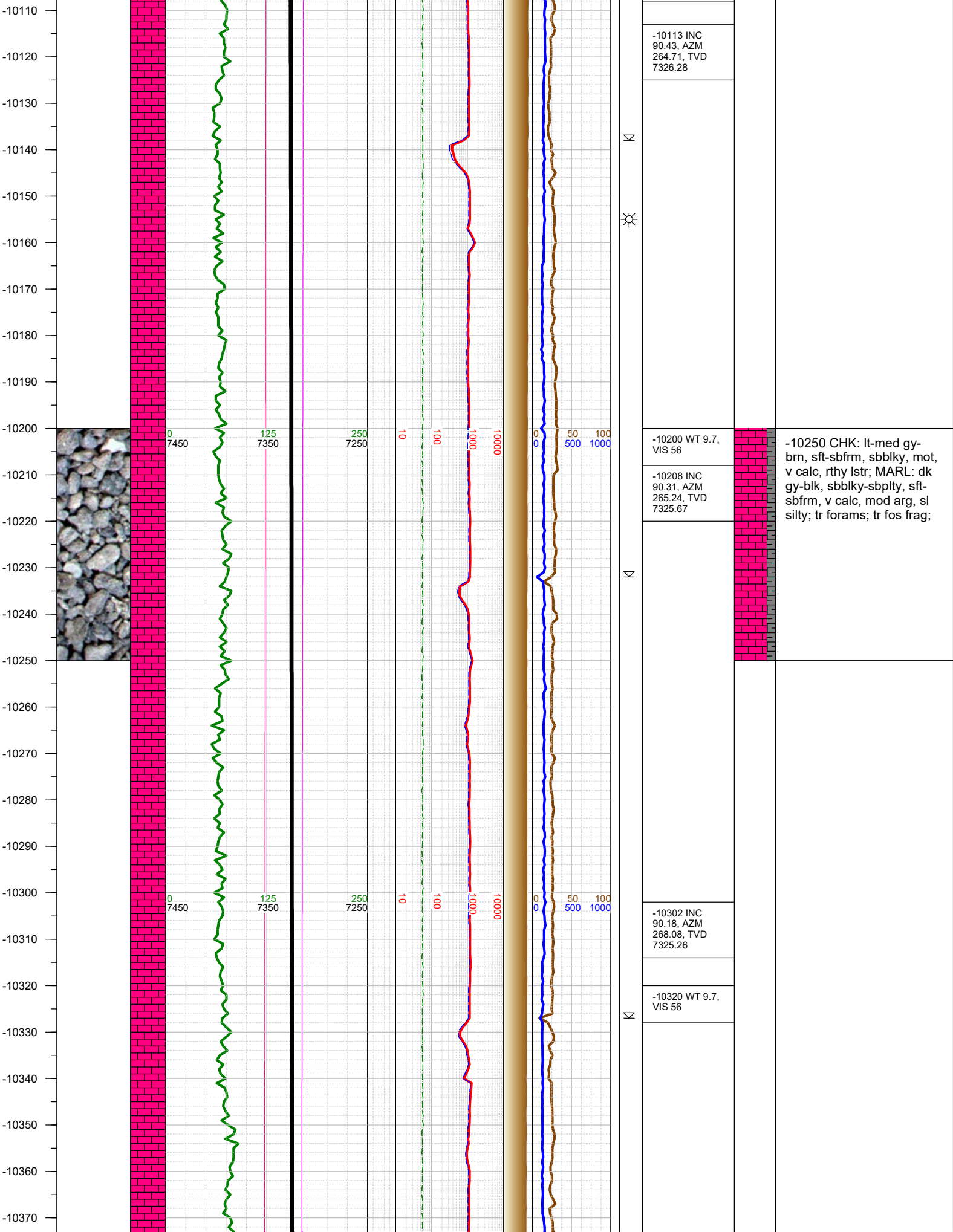


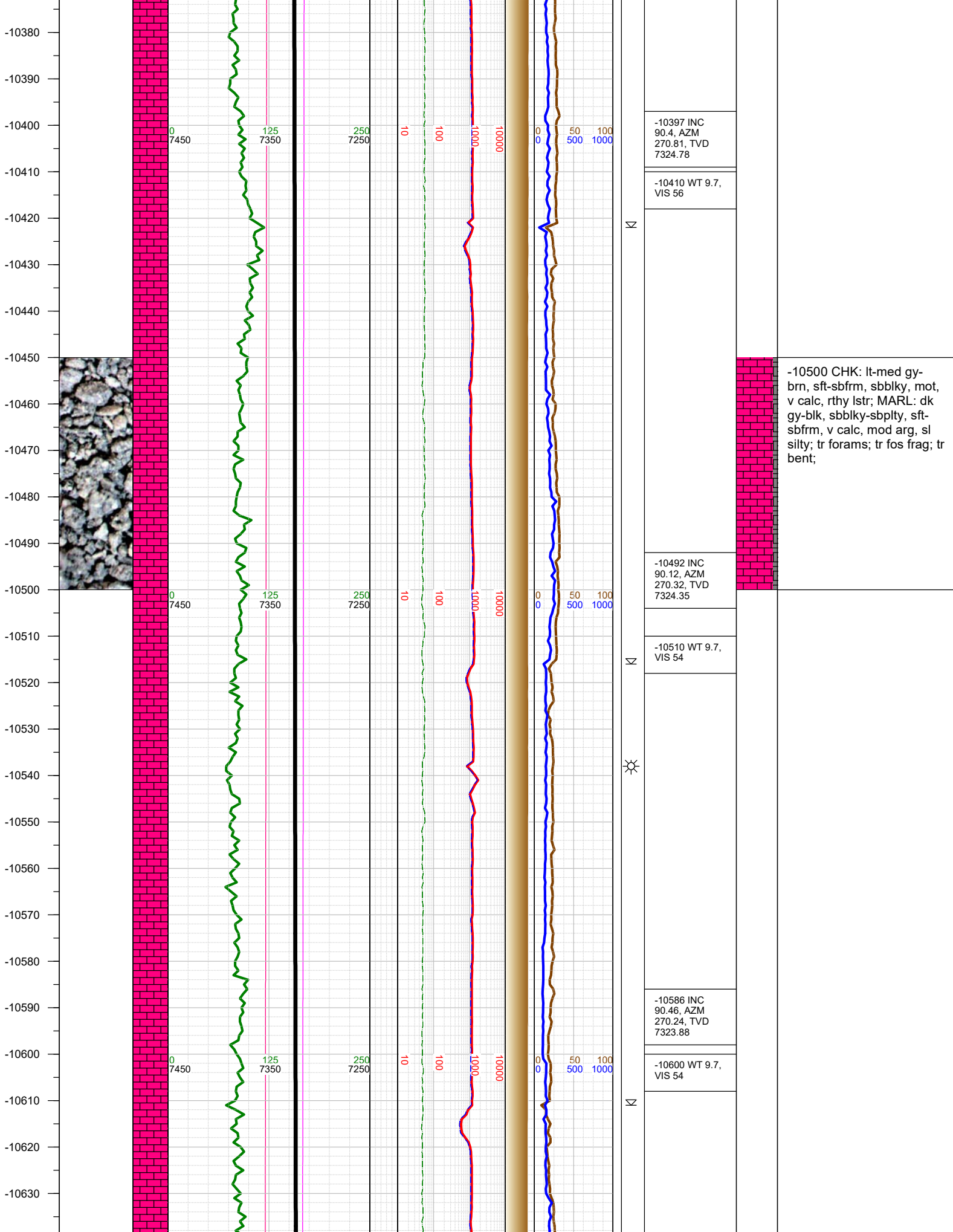


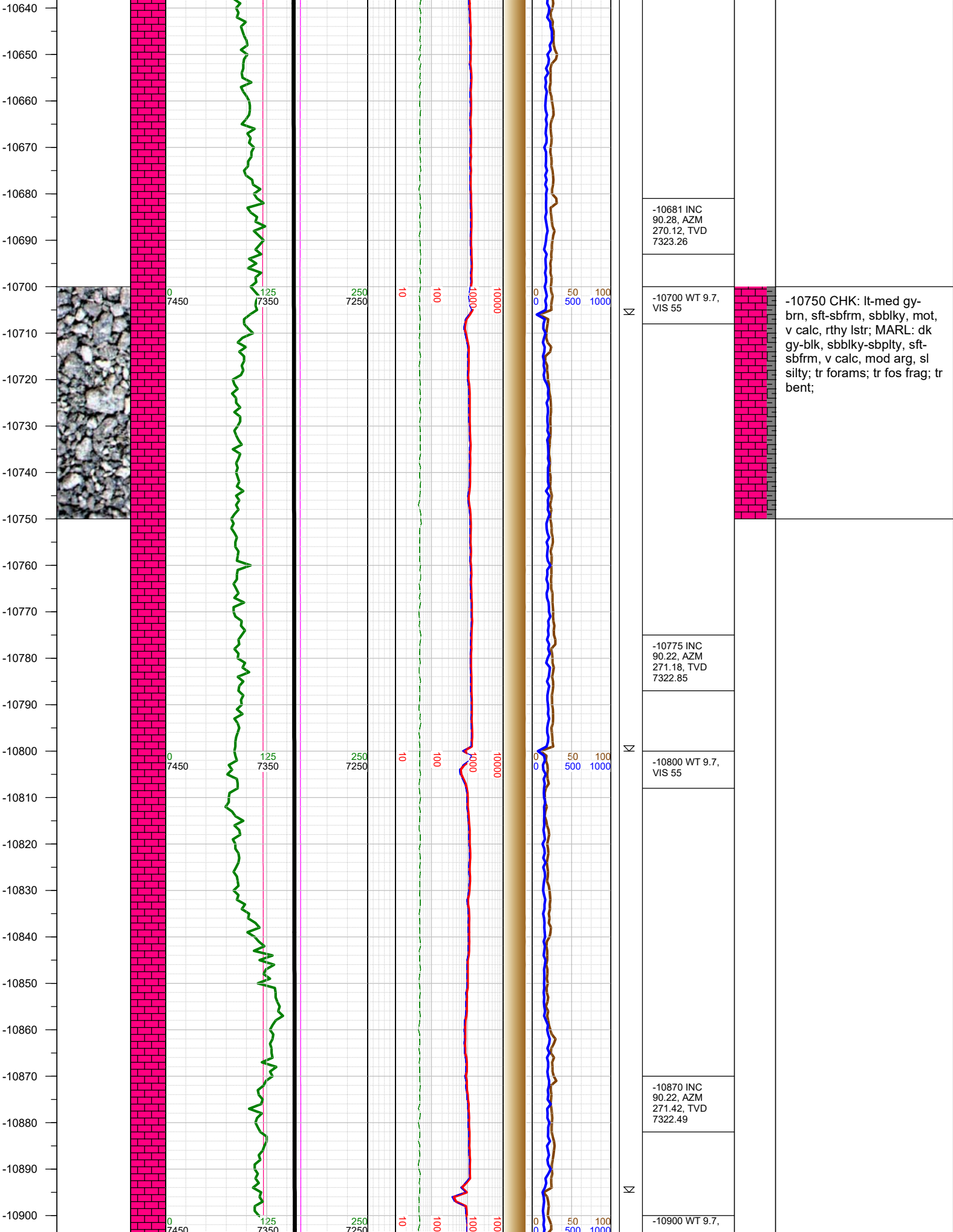


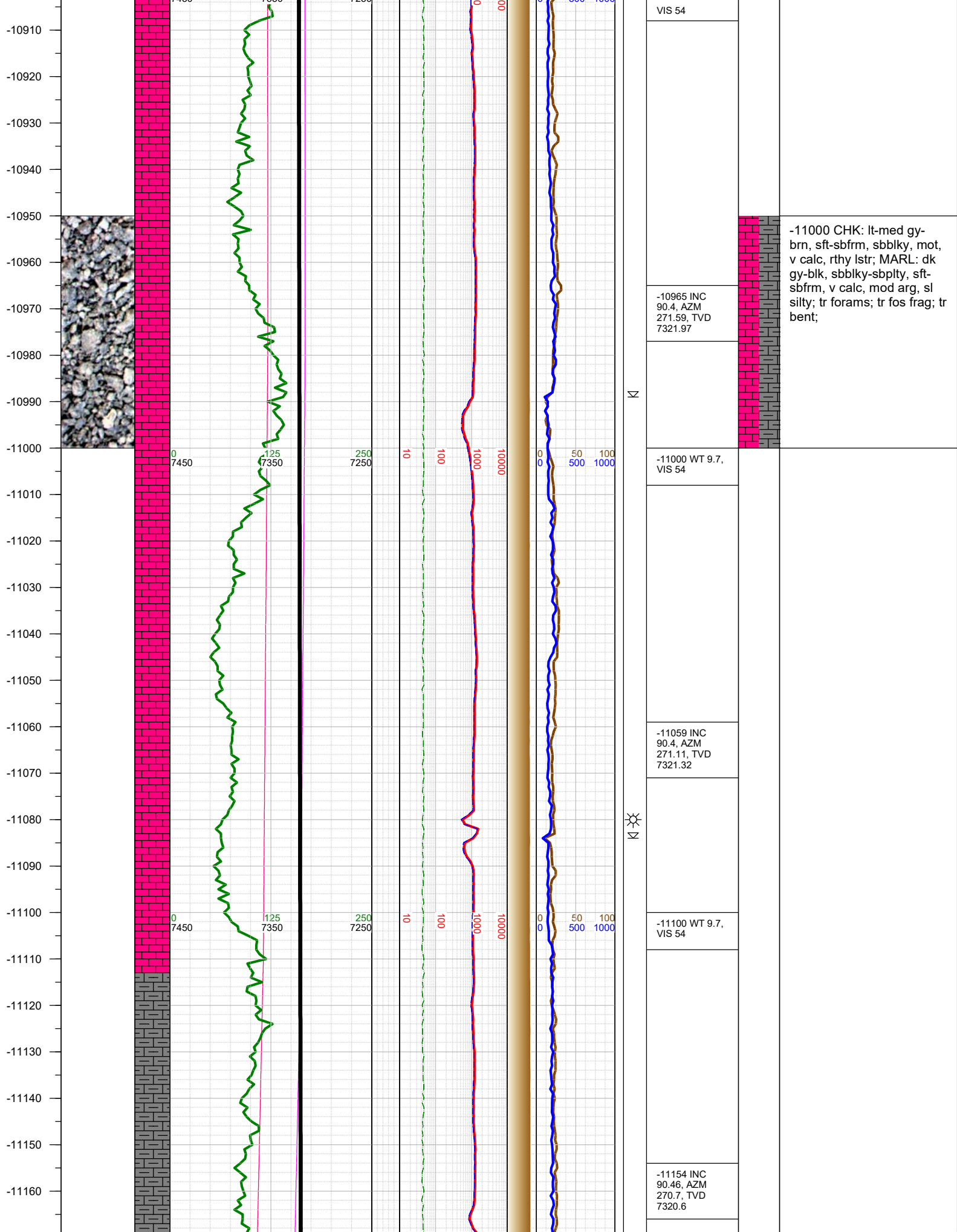


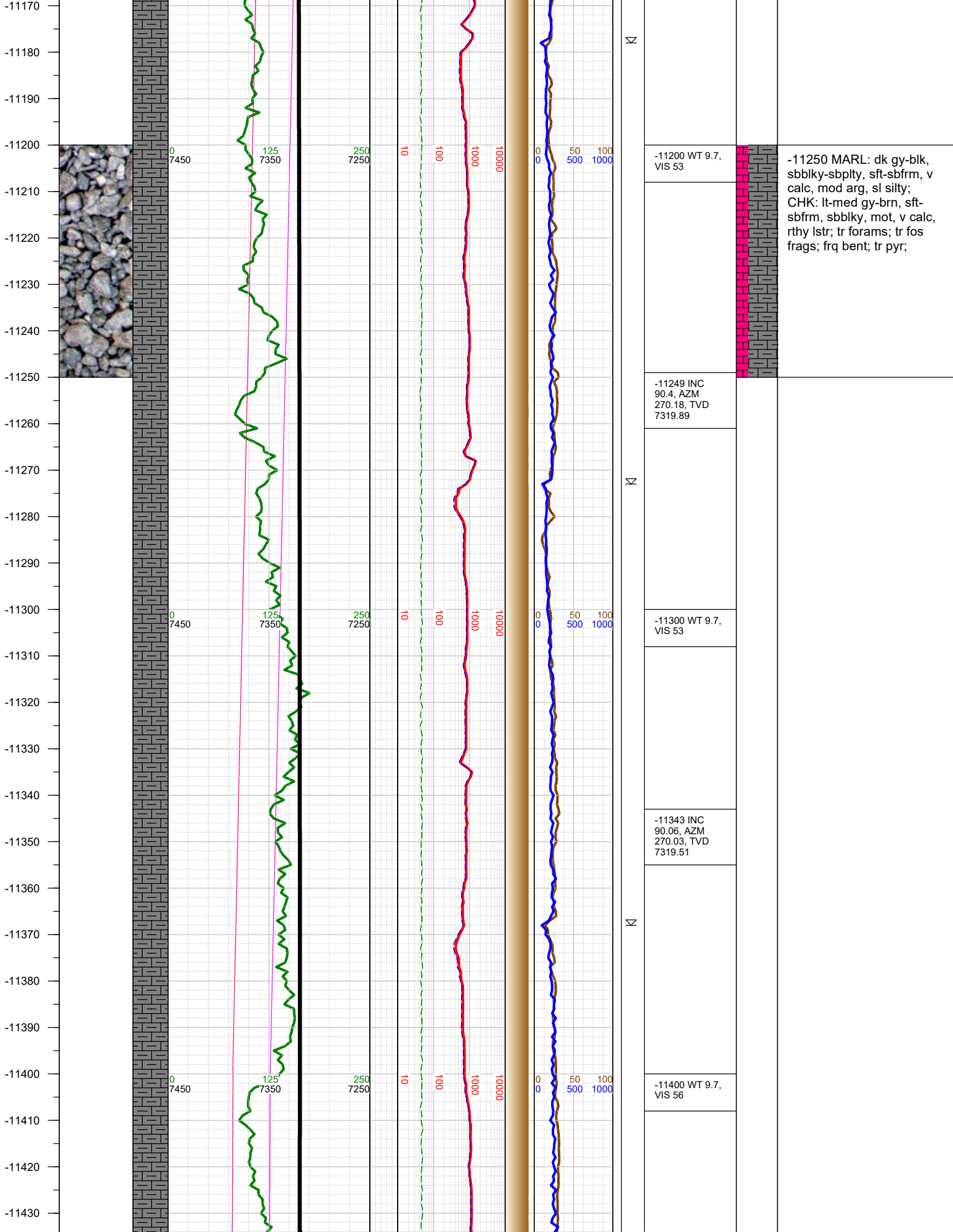




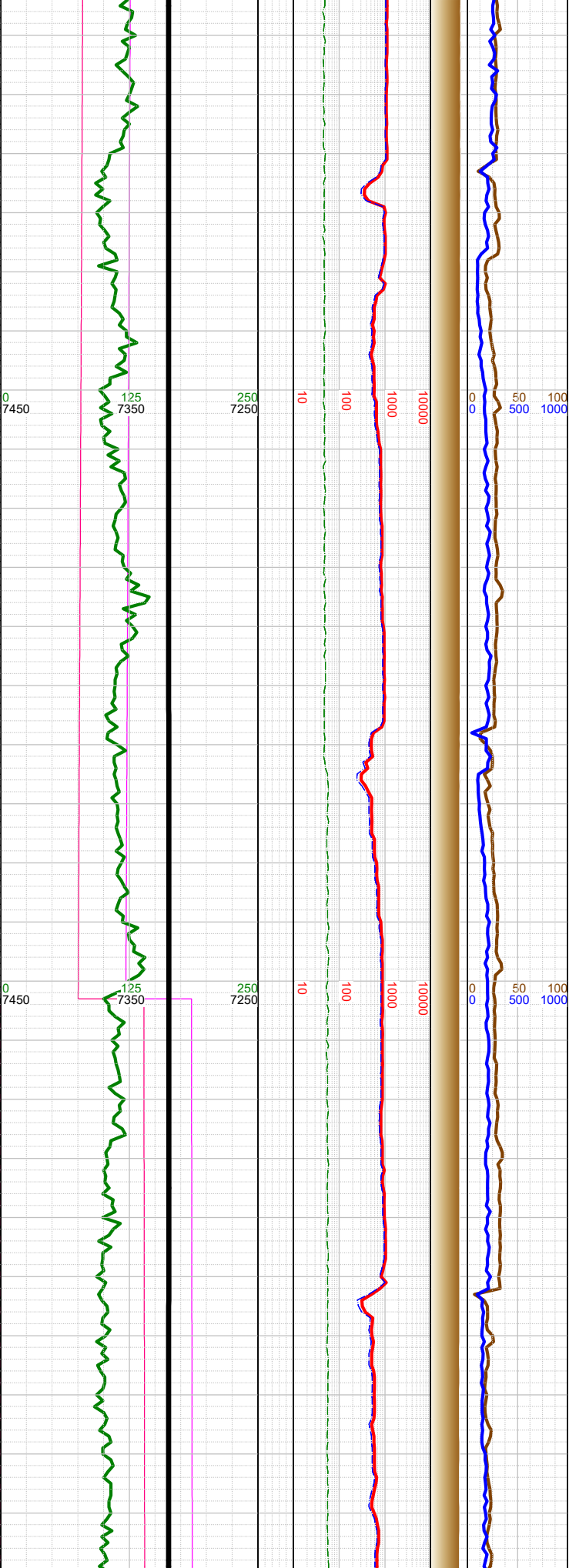
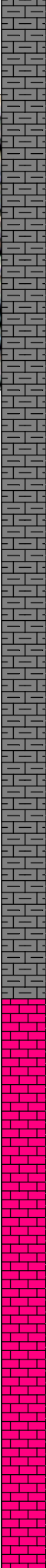
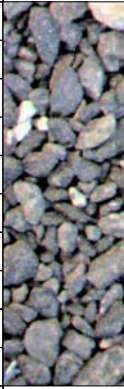




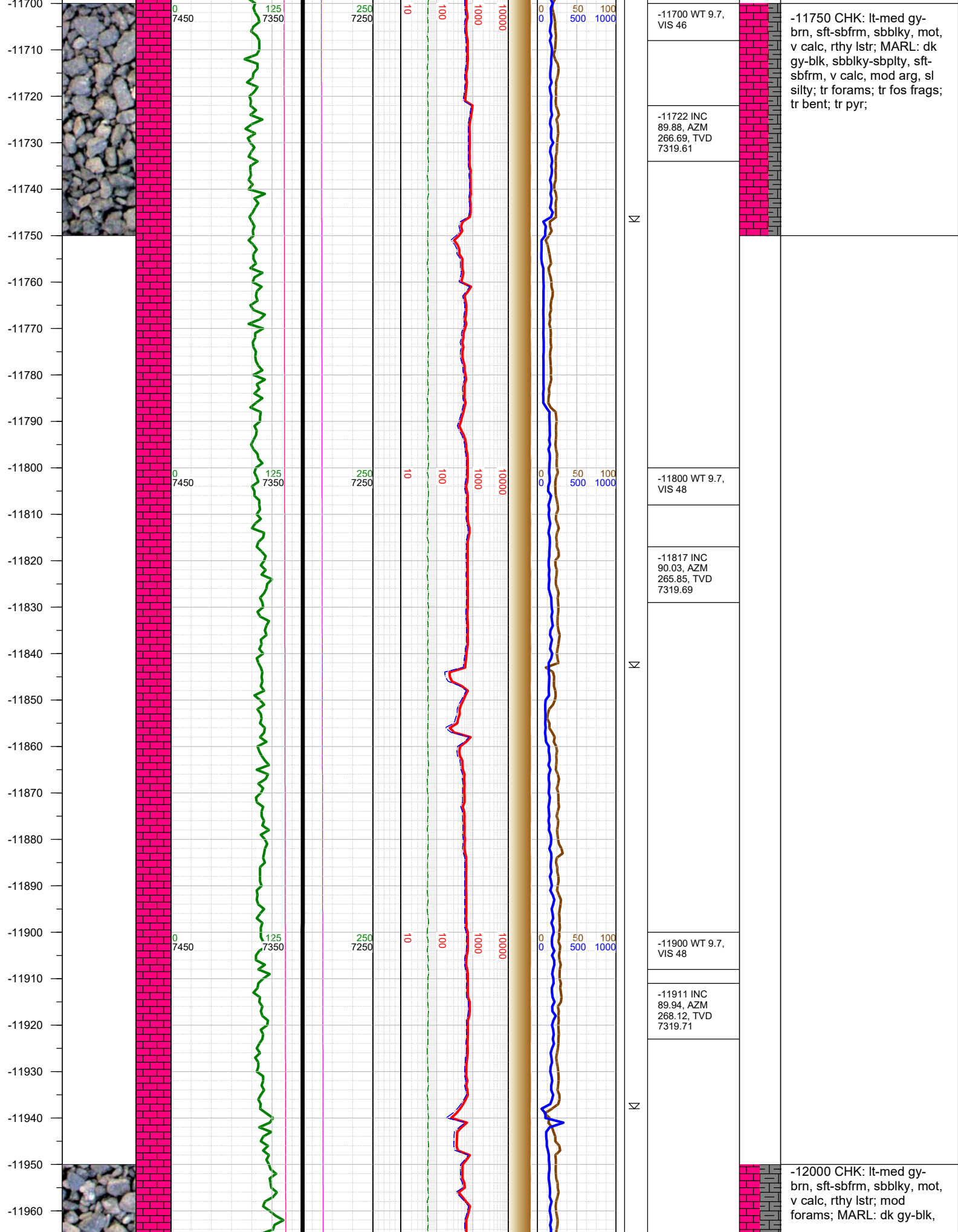




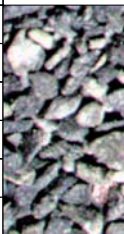
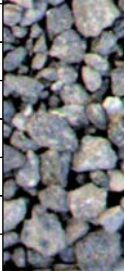
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Σ	-11437 INC 89.91, AZM 269.14, TVD 7319.54	
		-11500 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, v calc, mod arg, sl silty; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; tr forams; tr fos frags; frq bent; tr pyr;
Σ	-11500 WT 9.7, VIS 48	
	-11532 INC 90.09, AZM 268.88, TVD 7319.54	
	-11590 WT 9.8, VIS 49	
Σ	-11603 Fault: 51' up-throw; went from B Marl to C Chalk	
	-11627 INC 89.97, AZM 269.46, TVD 7319.49	



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-12006 INC
89.88, AZM
267.62, TVD
7319.86

-12020 WT 9.7,
VIS 48

-12036 0000 hrs
on 6/19/2018

-12101 INC
89.97, AZM
270.05, TVD
7319.99

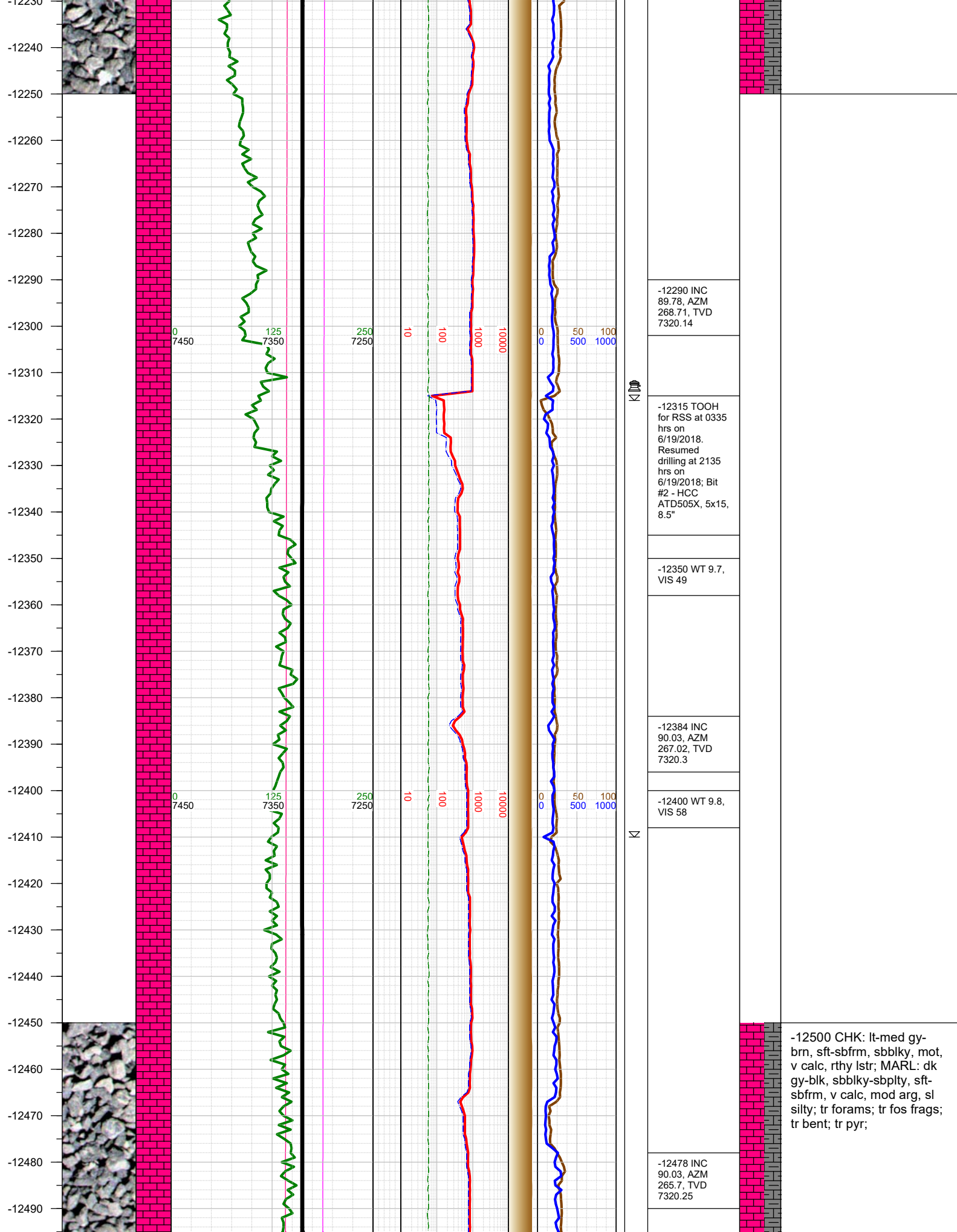
-12120 WT 9.7,
VIS 49

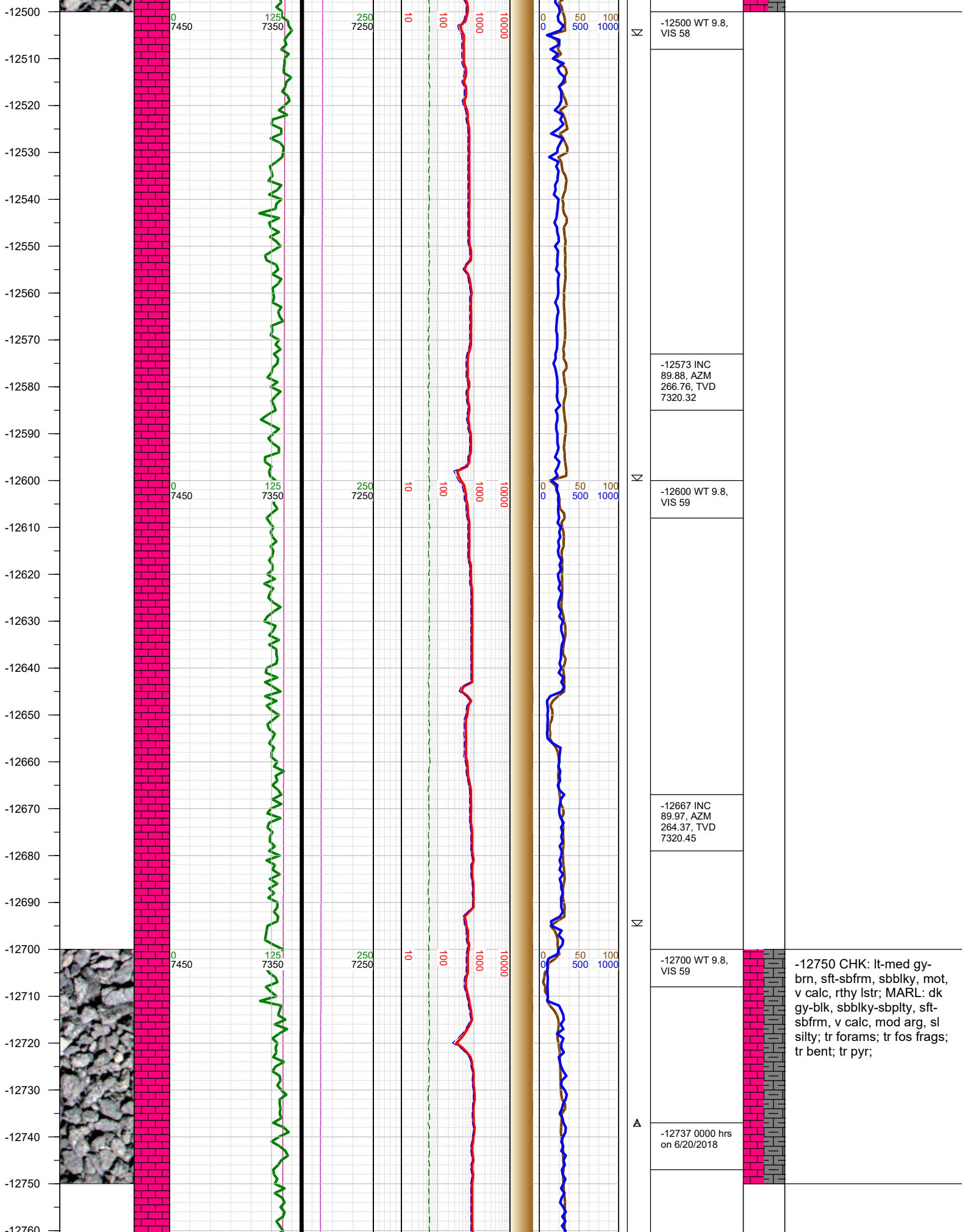
-12195 INC
90.03, AZM
269.6, TVD
7319.99

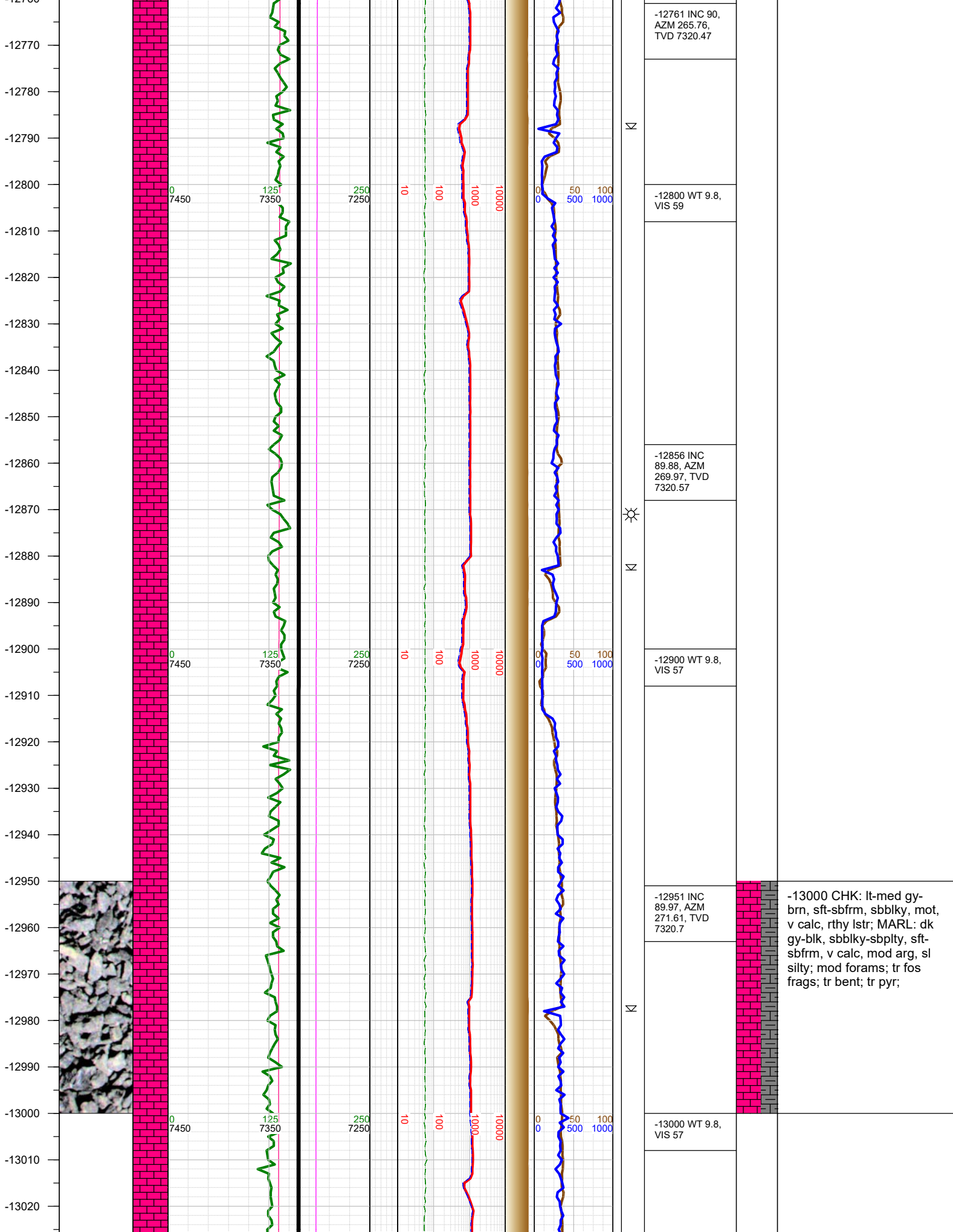
-12210 WT 9.7,
VIS 49

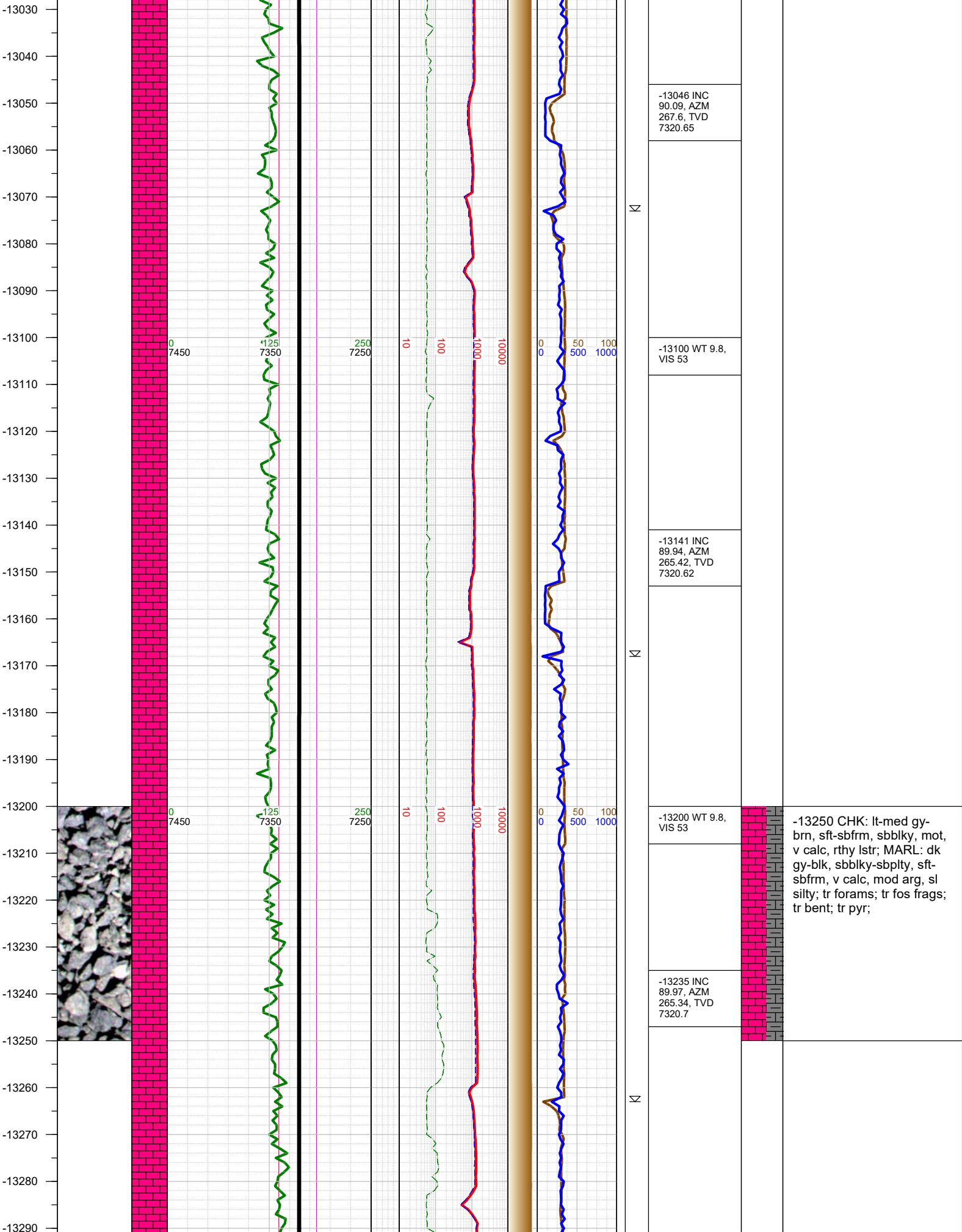
sbblky-sbplty, sft-sbfrm, v
calc, mod arg, sl silty; tr fos
frags; tr bent; tr pyr;

-12250 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; mod forams; tr fos
frags; tr bent; tr pyr;

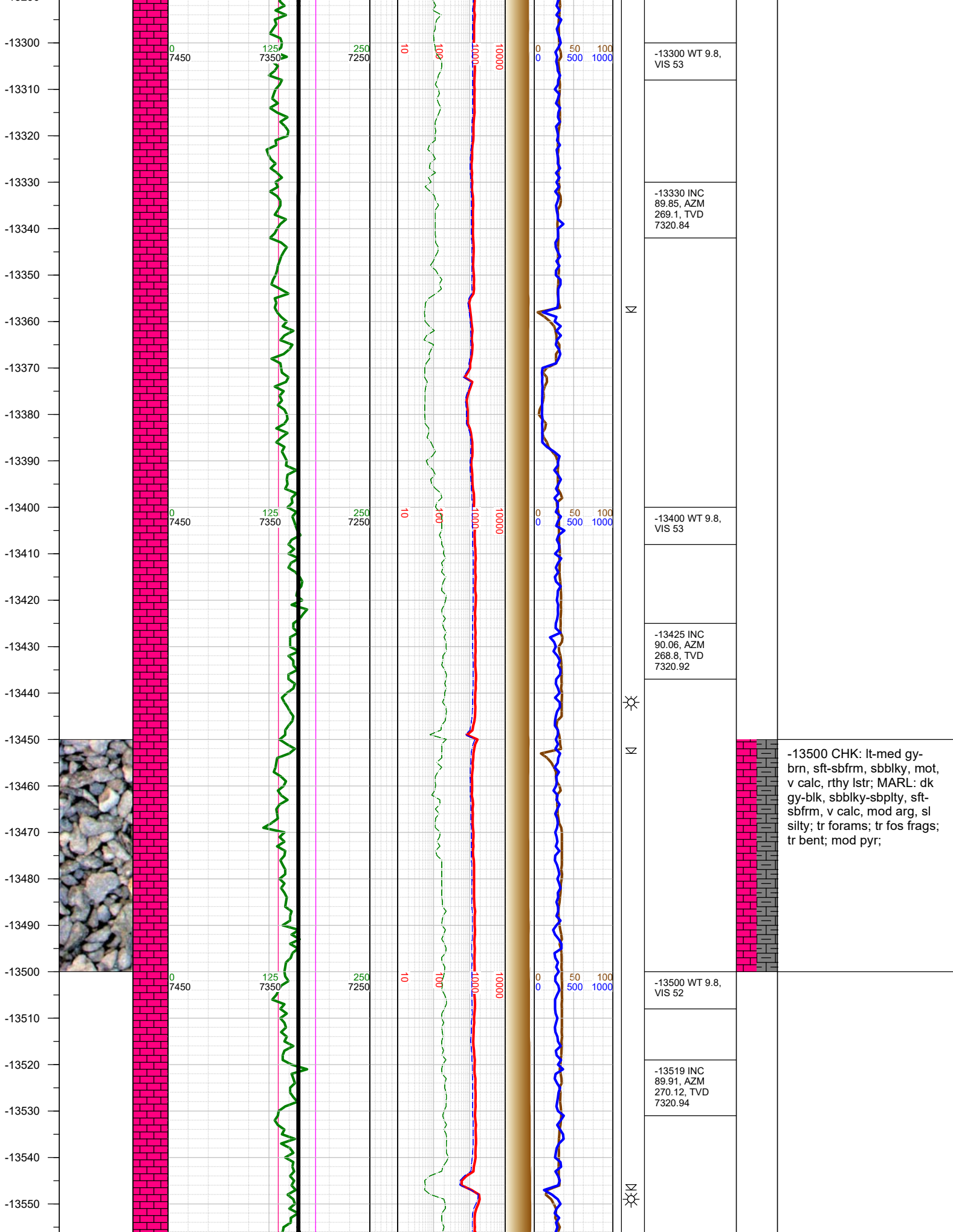








-13250 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, v calc, mod arg, sl silty; tr forams; tr fos frags; tr bent; tr pyr;



-13300 WT 9.8,
VIS 53

-13330 INC
89.85, AZM
269.1, TVD
7320.84

-13400 WT 9.8,
VIS 53

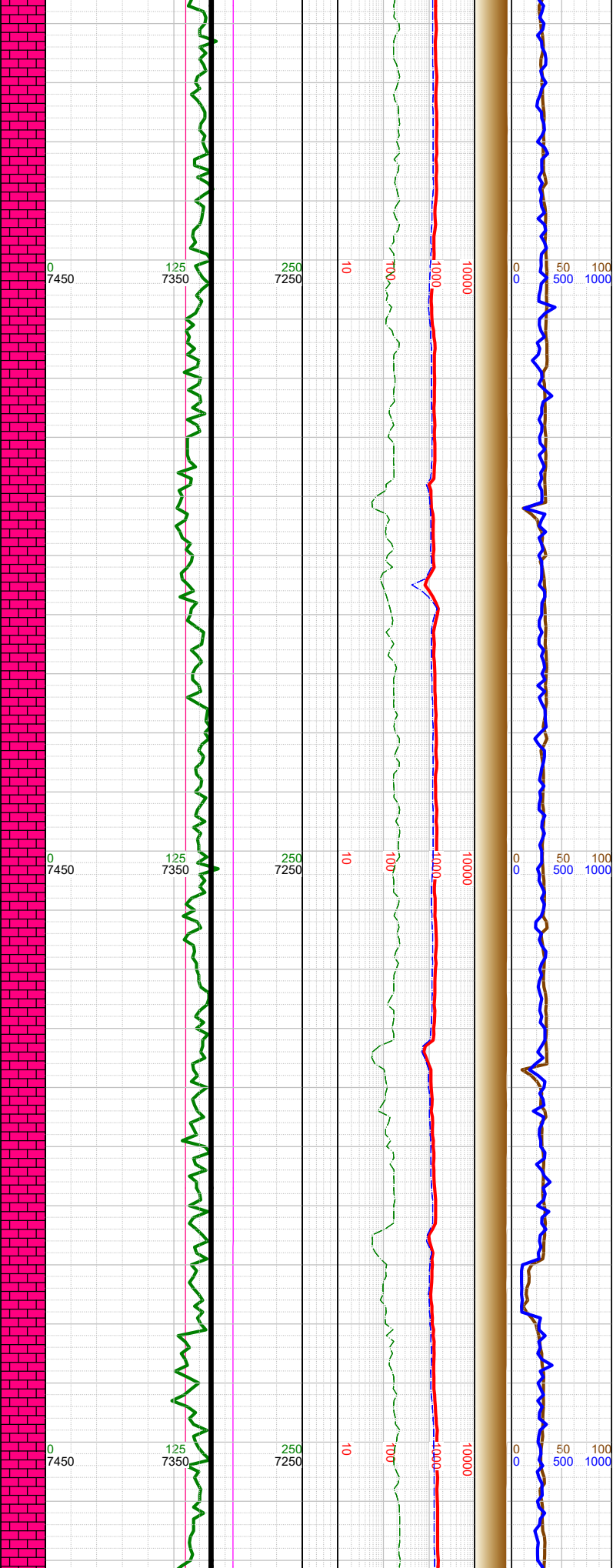
-13425 INC
90.06, AZM
268.8, TVD
7320.92

-13500 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbplty, sft-sbfrm, v calc, mod arg, sl silty; tr forams; tr fos frags; tr bent; mod pyr;

-13500 WT 9.8,
VIS 52

-13519 INC
89.91, AZM
270.12, TVD
7320.94

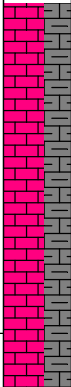
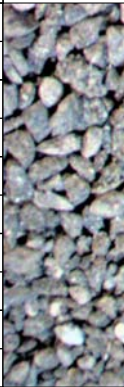
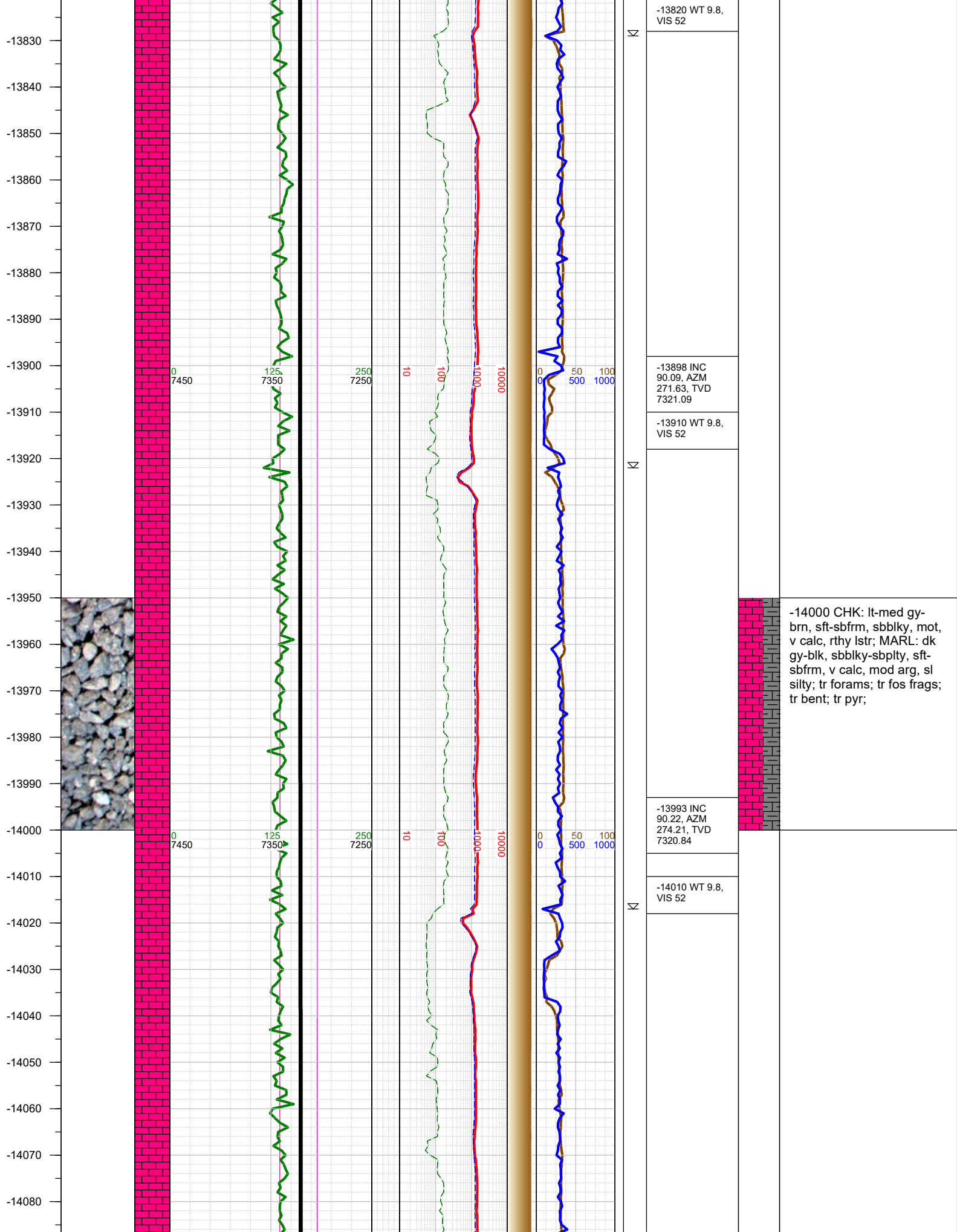
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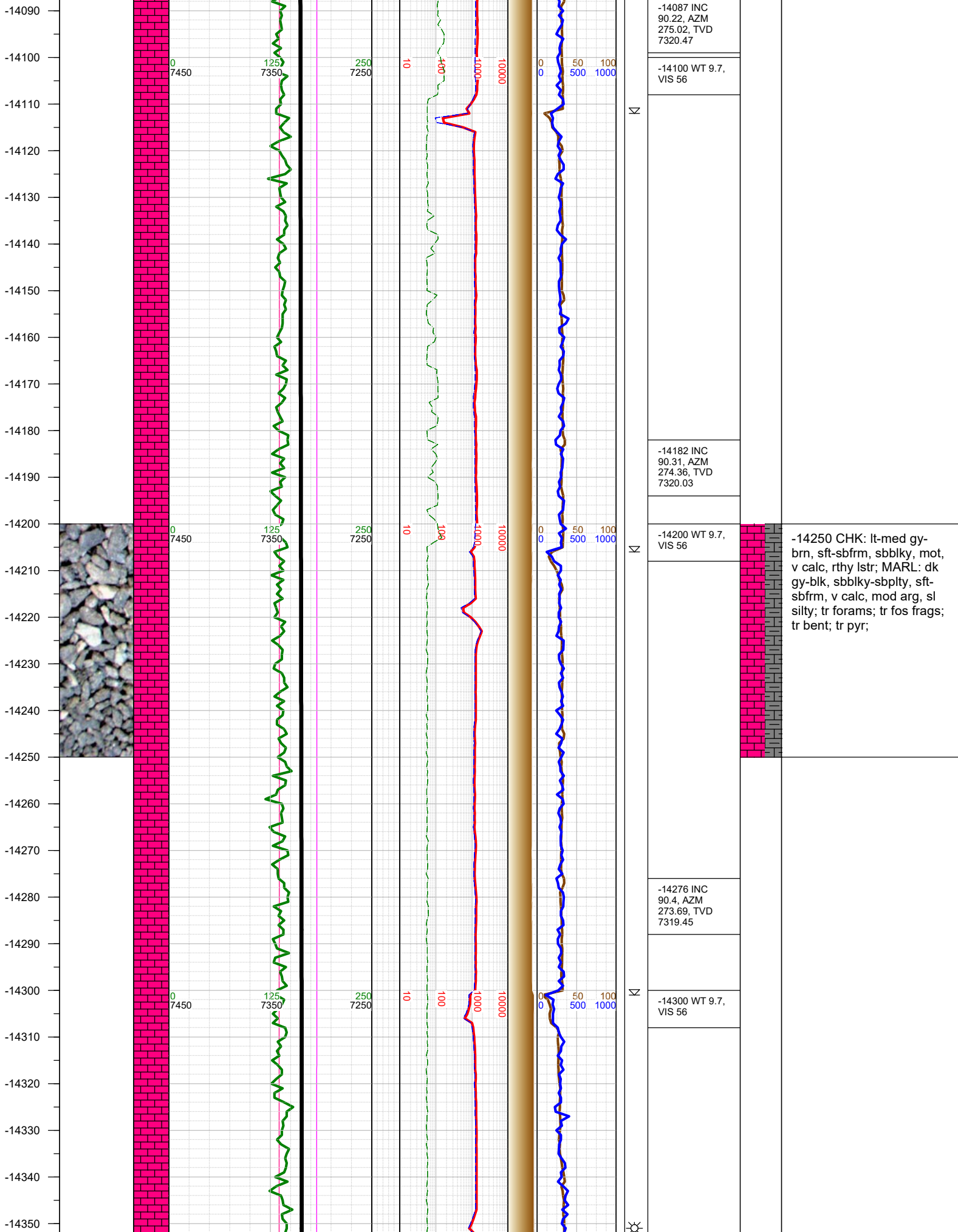
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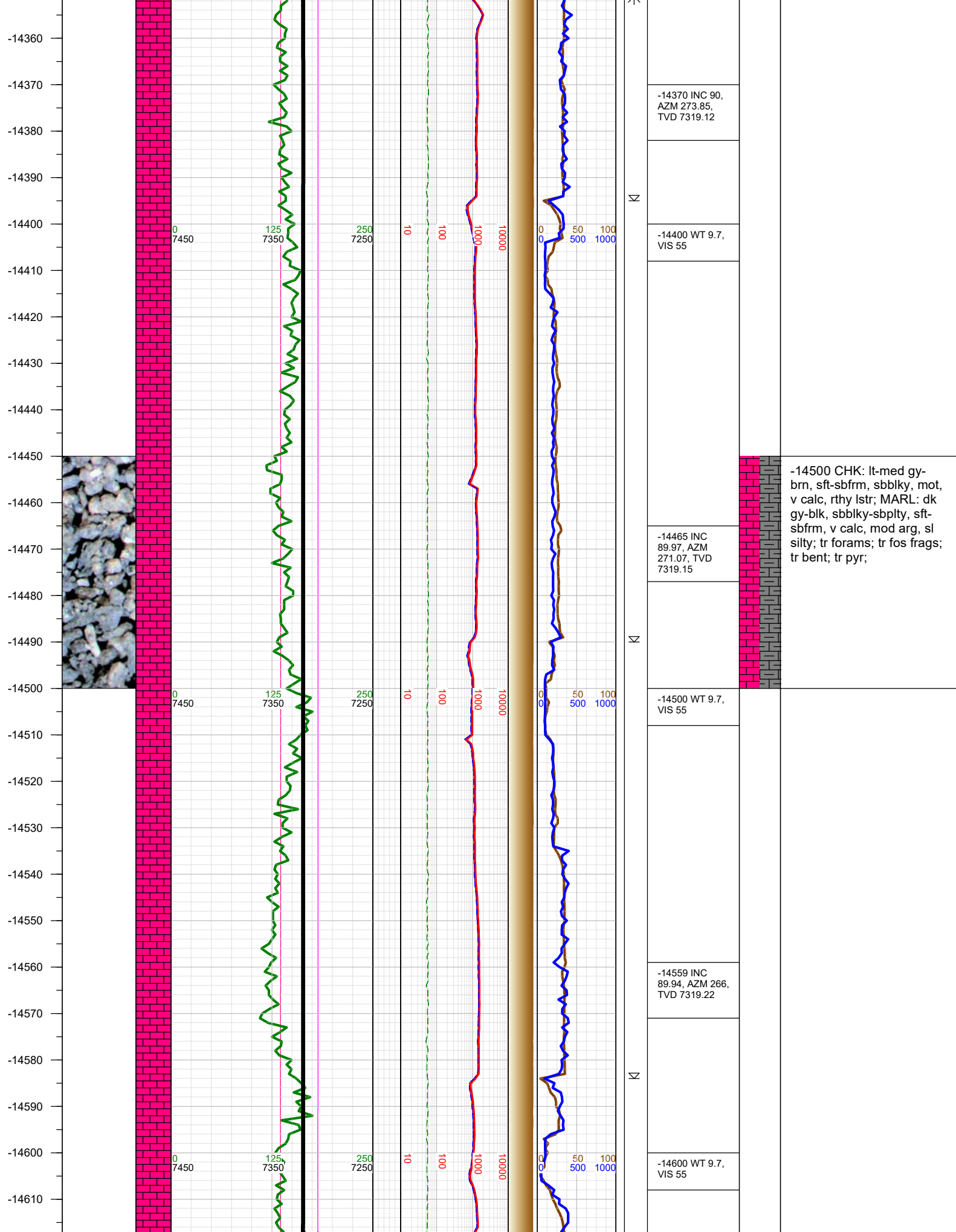
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	-13600 WT 9.8, VIS 52		
	-13614 INC 90, AZM 268.61, TVD 7321.02		
	-13700 WT 9.8, VIS 52		-13750 CHK: lt-med gy- brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft- sbfrm, v calc, mod arg, sl silty; tr forams; tr fos frags; tr bent; mod pyr;
	-13709 INC 89.88, AZM 267.94, TVD 7321.12		
	-13803 INC 90.03, AZM 268.1, TVD 7321.19		

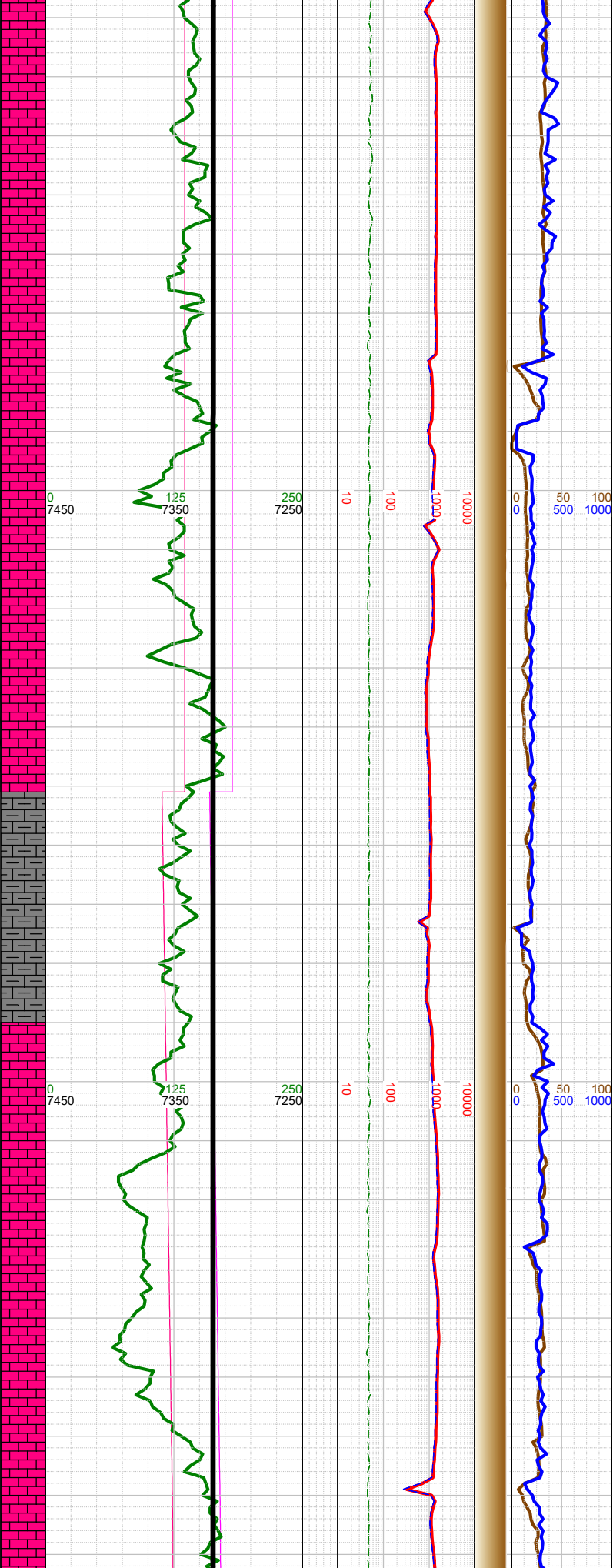
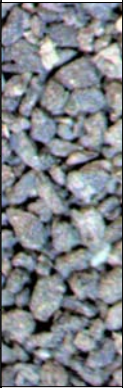


-14000 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, v calc, mod arg, sl silty; tr forams; tr fos frags; tr bent; tr pyr;

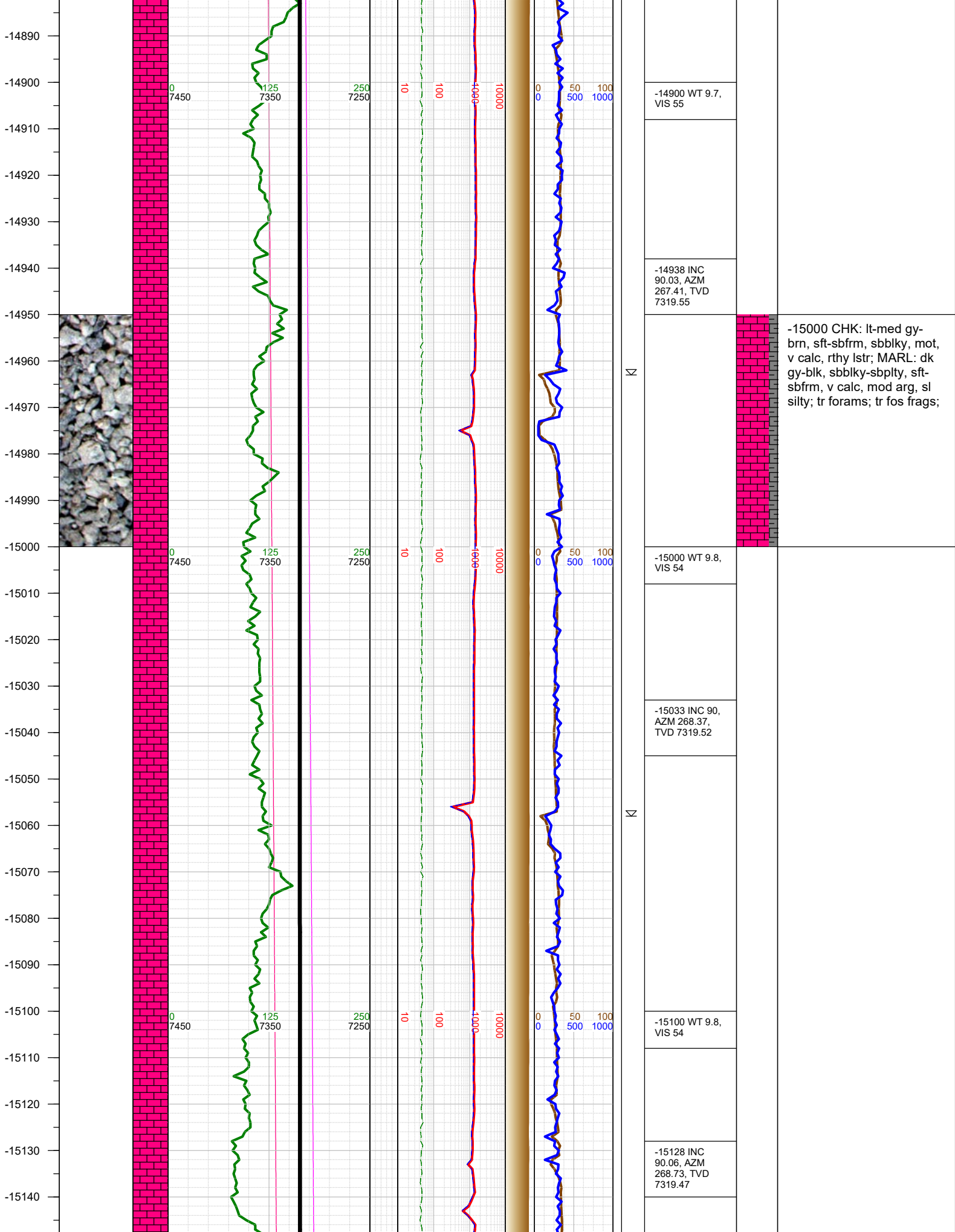


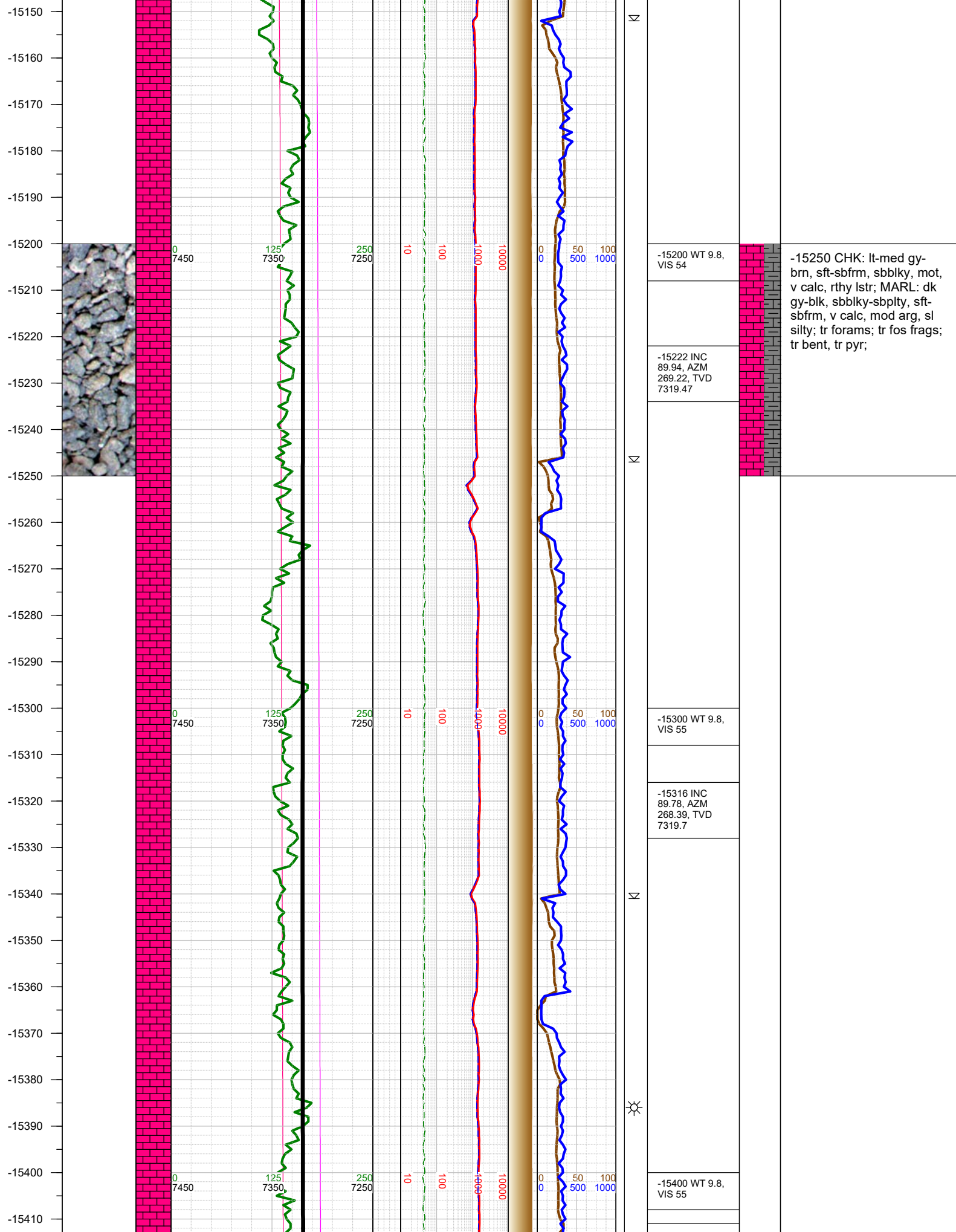


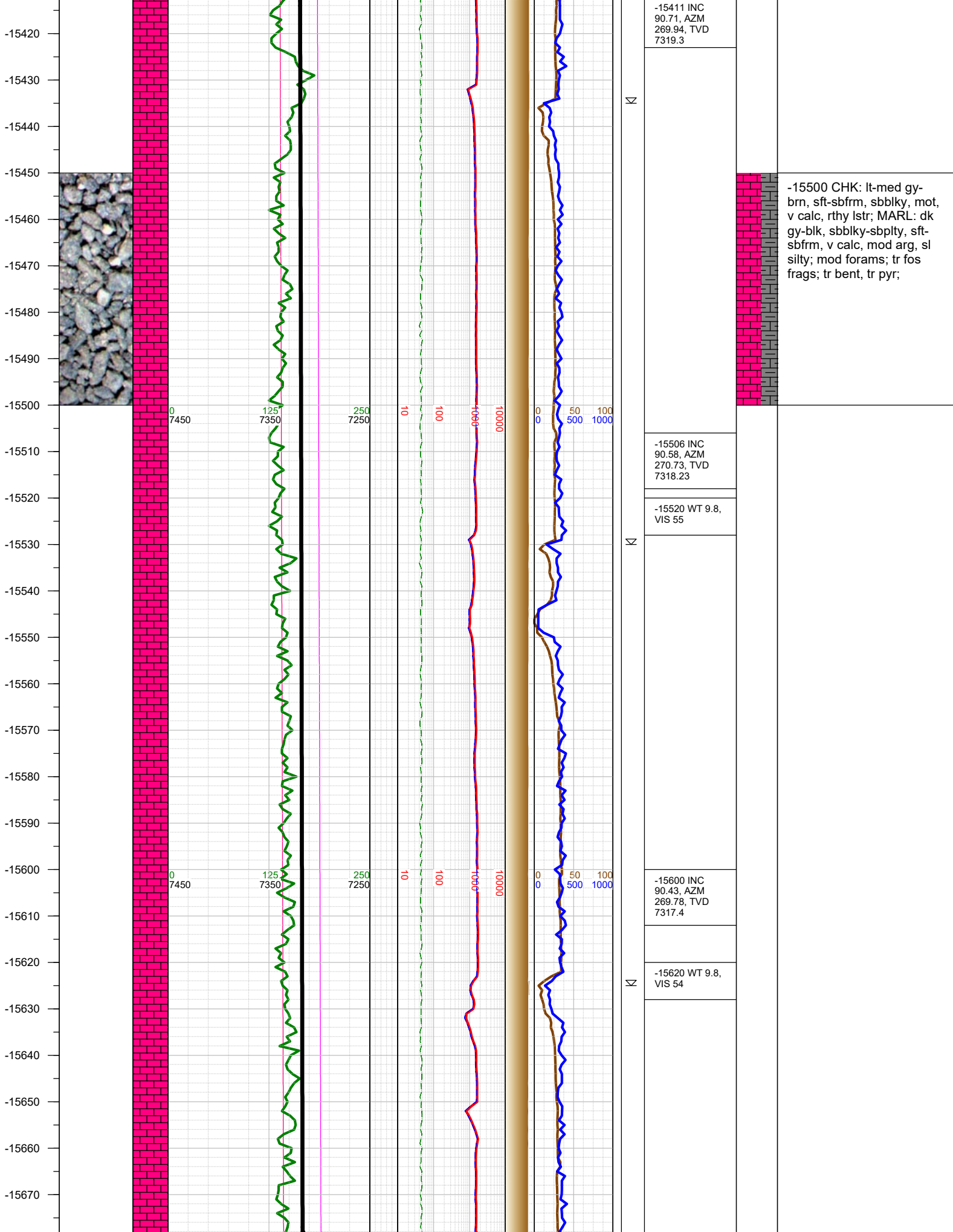
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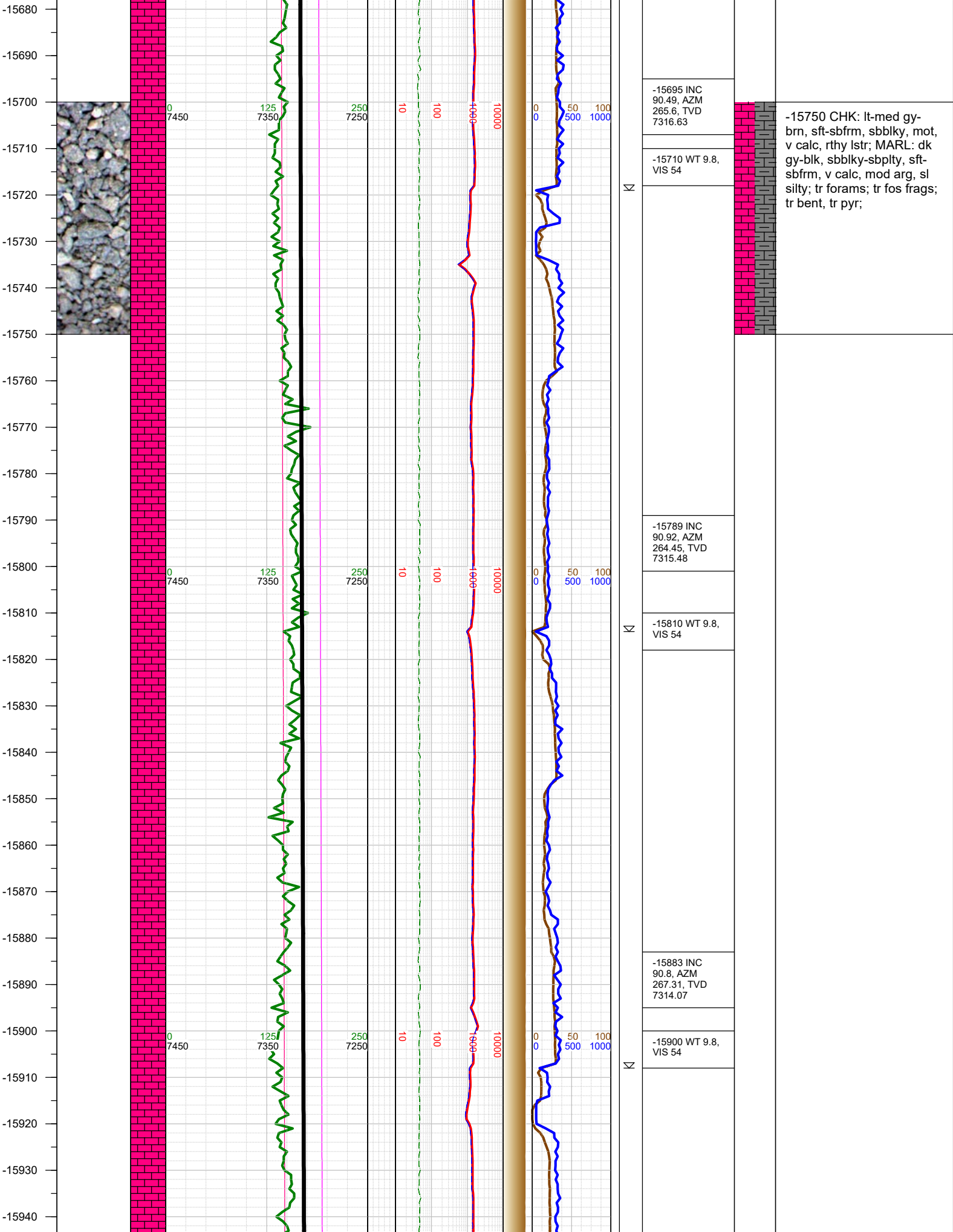


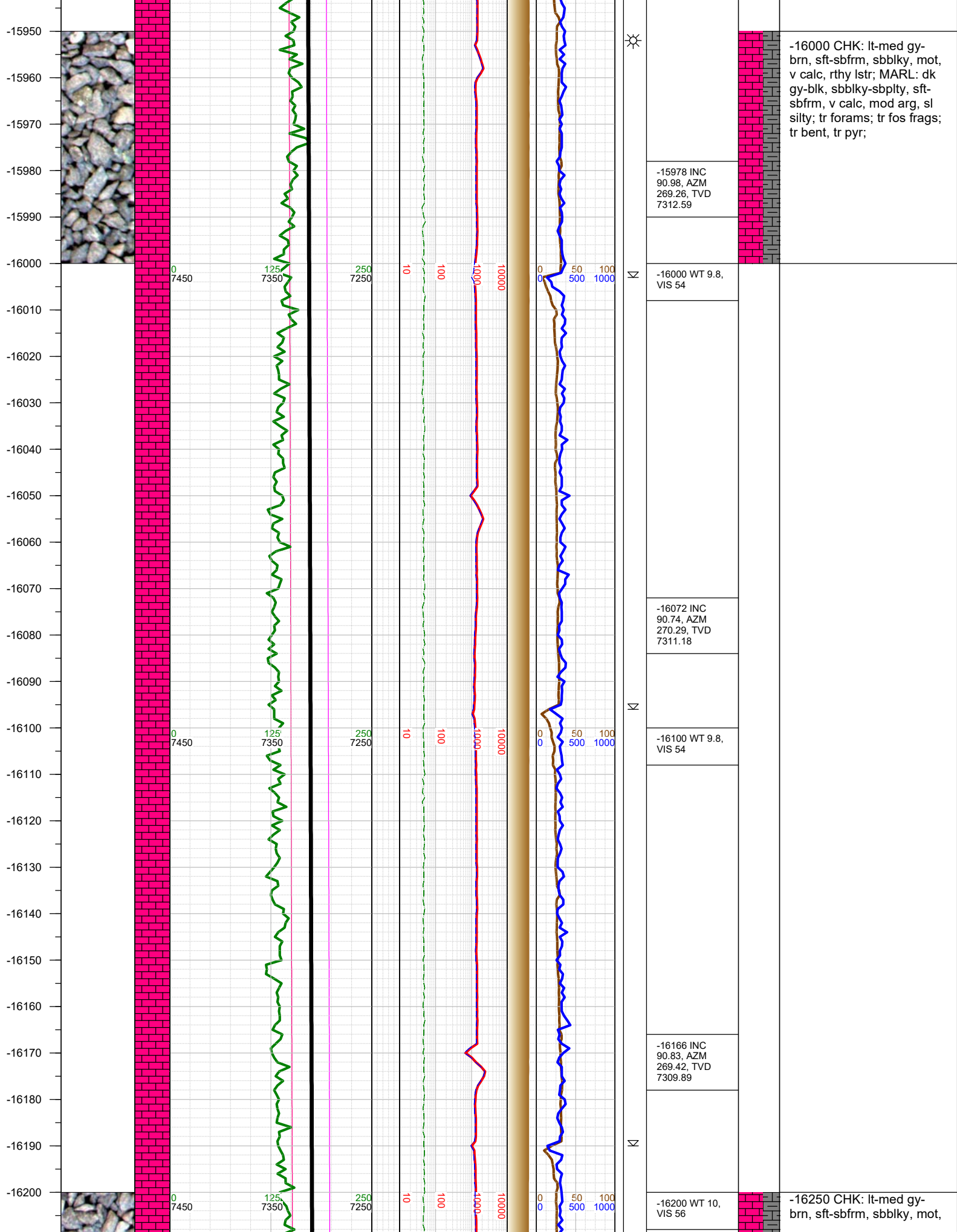
N	-14654 INC 89.82, AZM 262.8, TVD 7319.42		
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☀	-14700 WT 9.7, VIS 55		
N			-14750 CHK: lt-med gy- bn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft- sbfrm, v calc, mod arg, sl silty; tr forams; tr fos frags; tr bent; tr pyr;
☒	-14749 INC 90, AZM 263.99, TVD 7319.57		
N	-14751 Fault: 18' down-throw; went from C Chalk to B Marl		
N			
	-14800 WT 9.7, VIS 55		
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	-14844 INC 90, AZM 265.5, TVD 7319.57		
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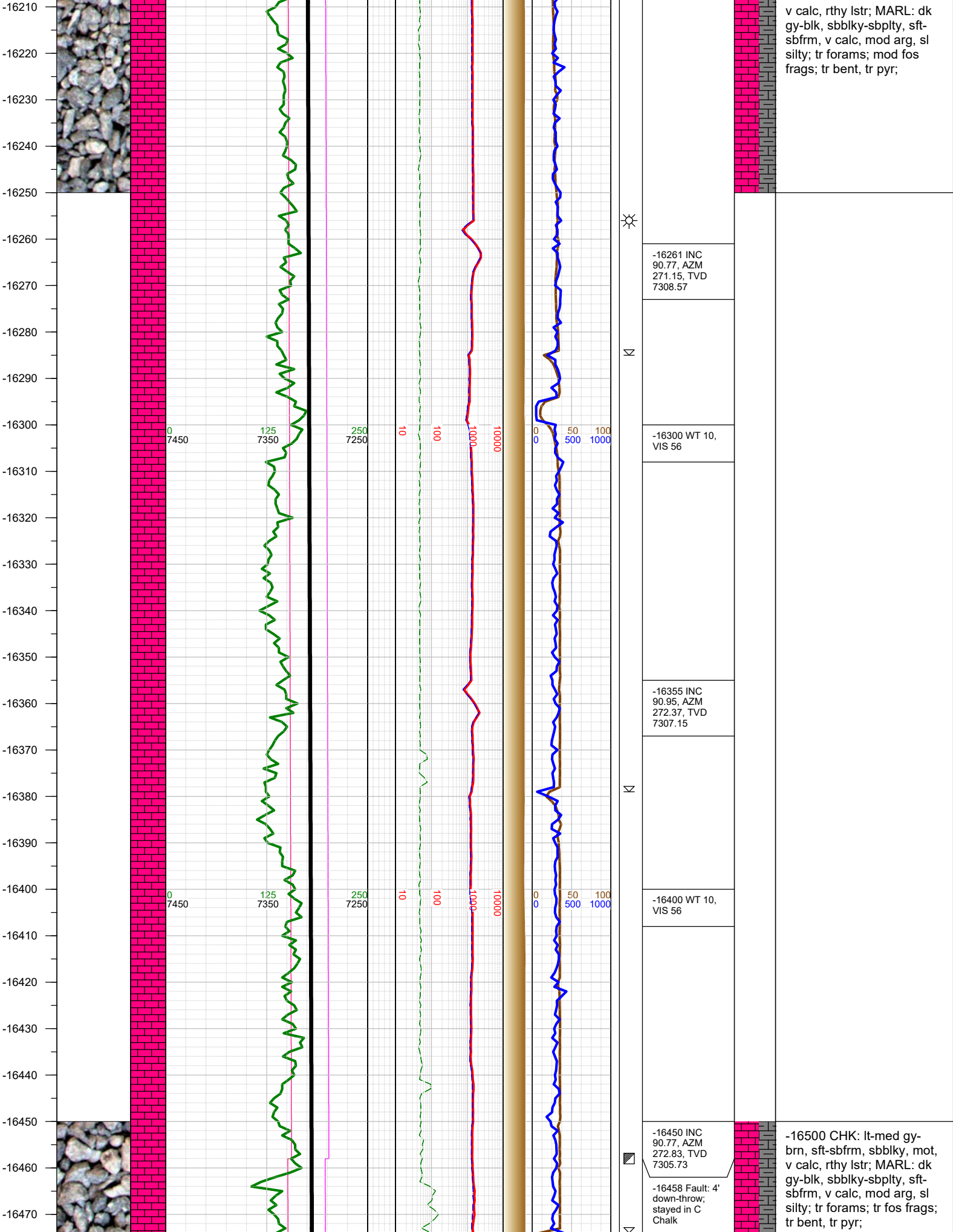


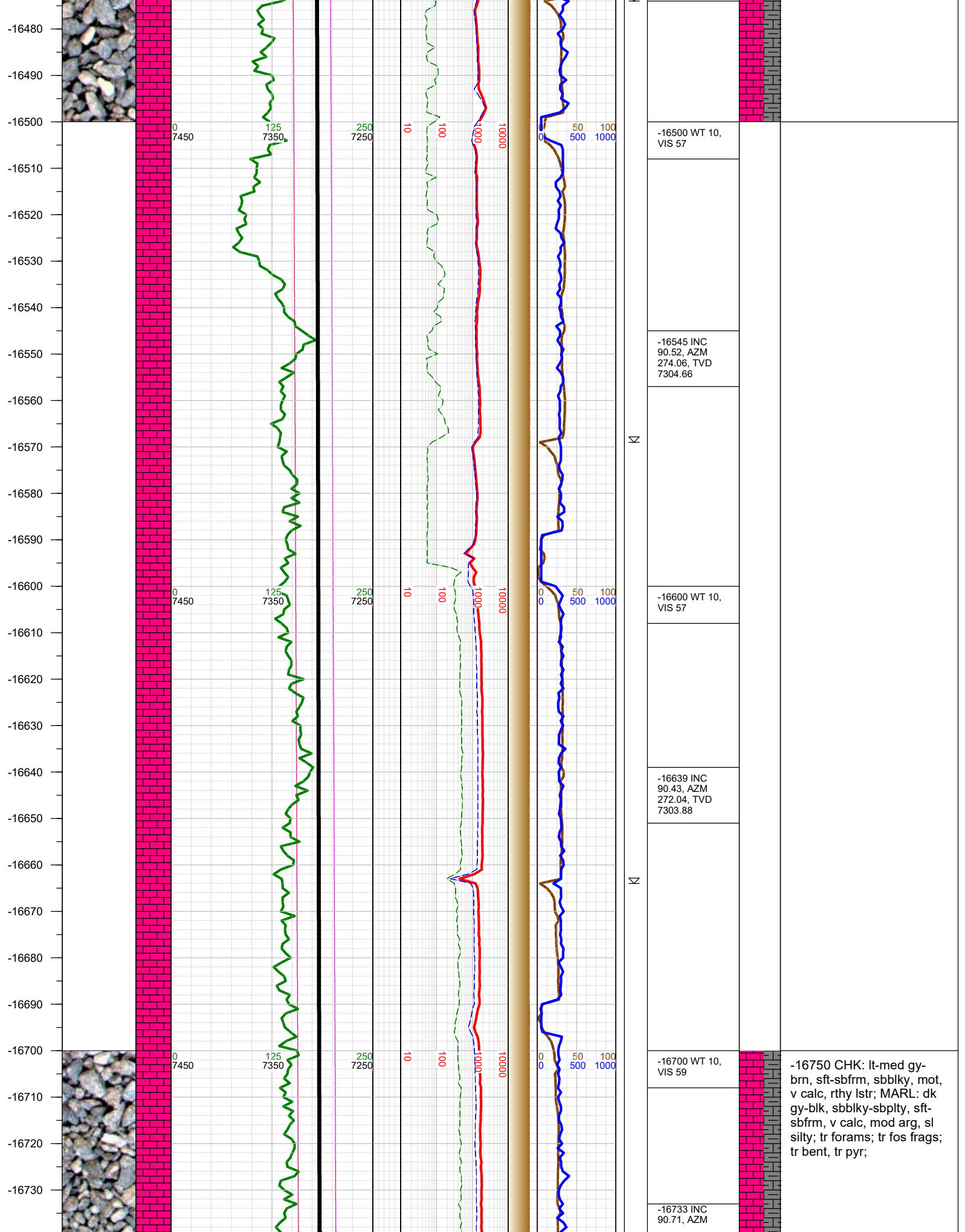


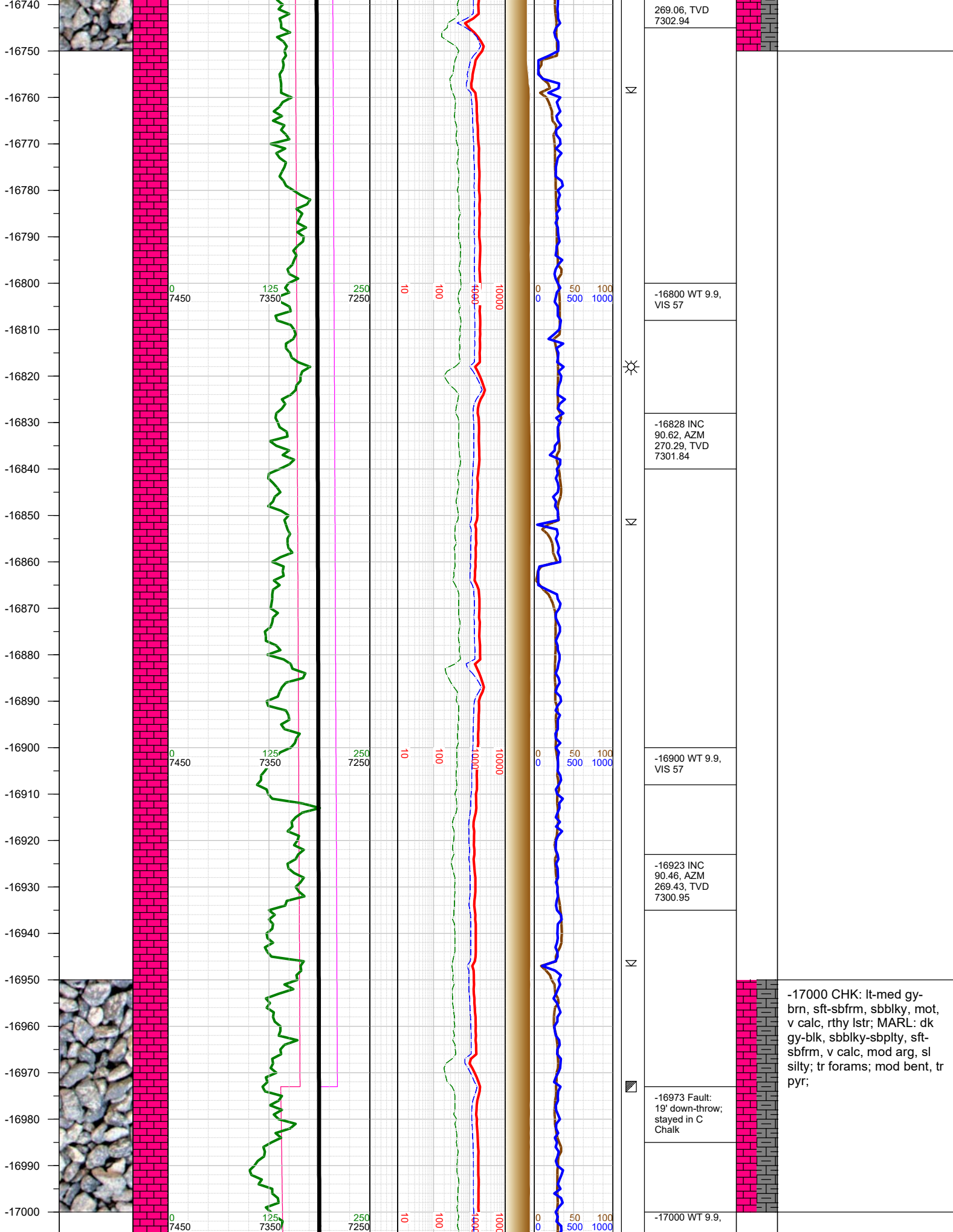


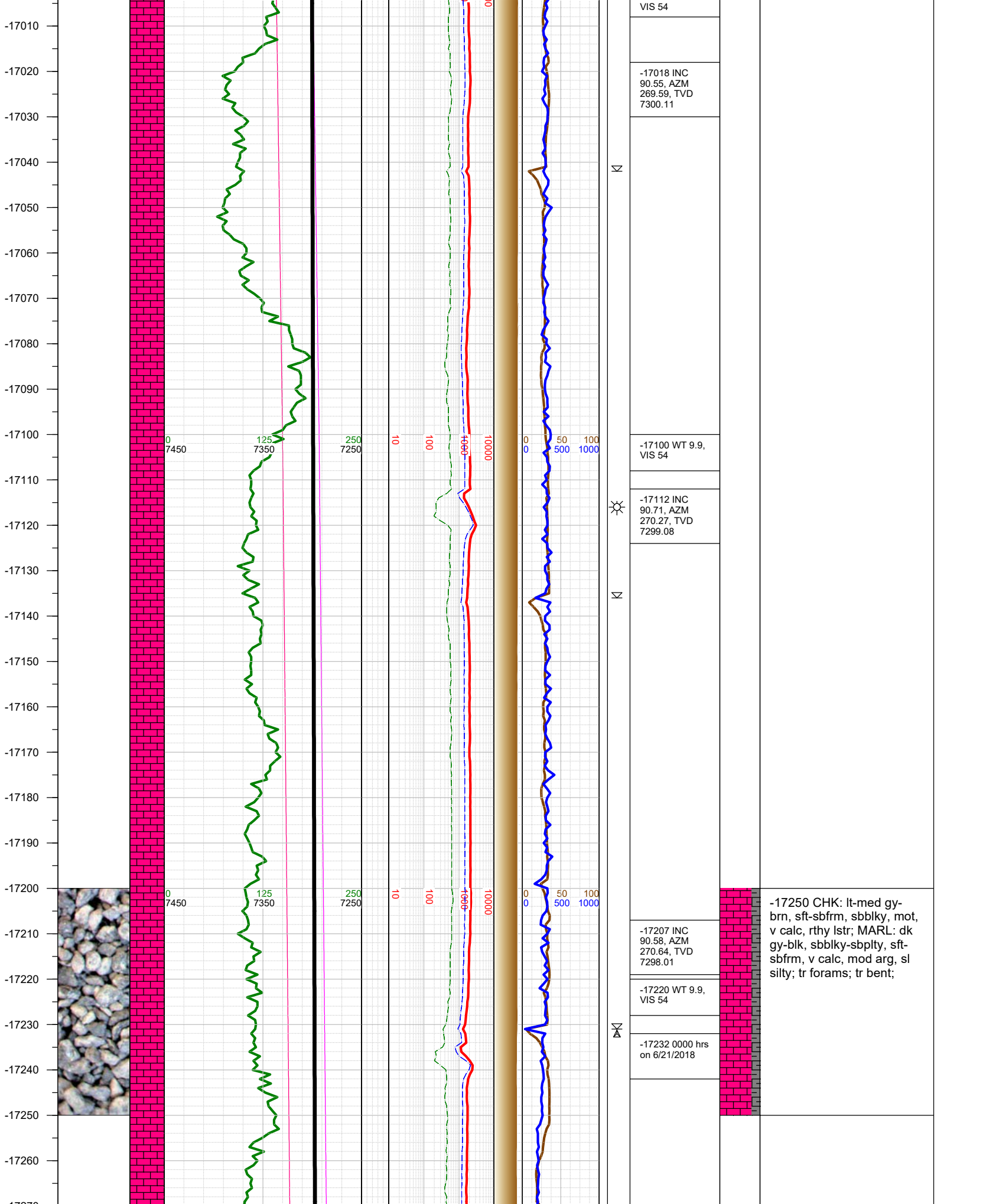


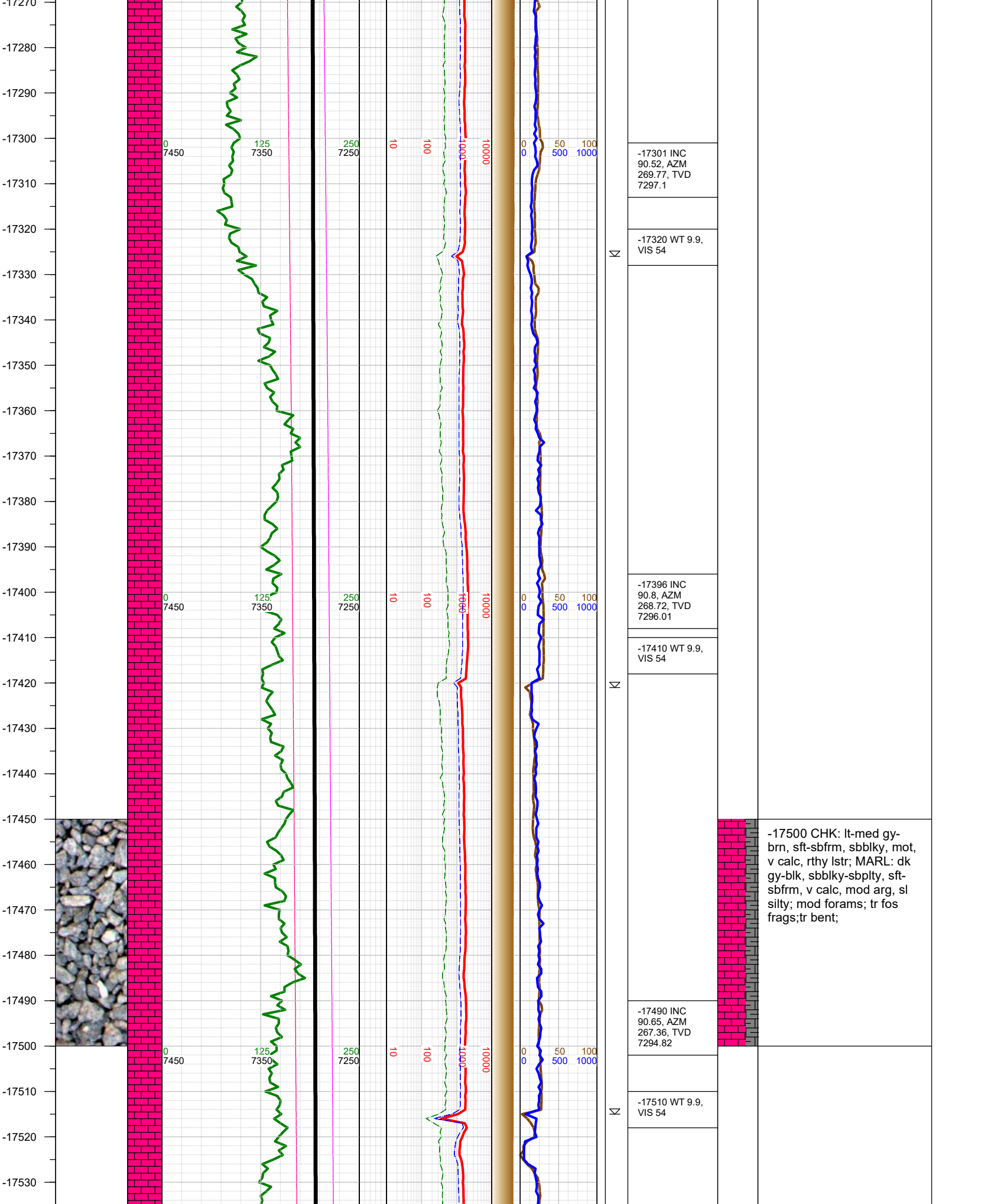




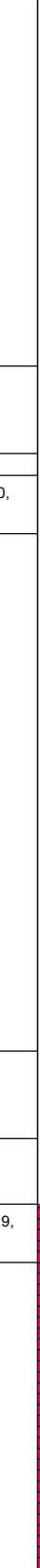
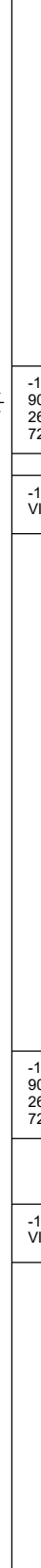
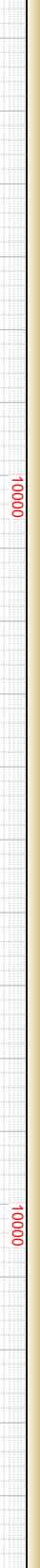
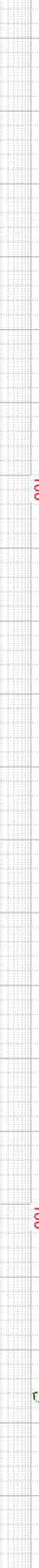
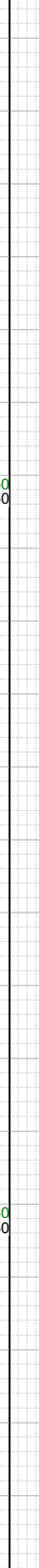
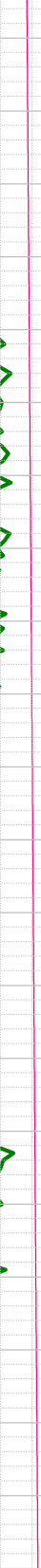
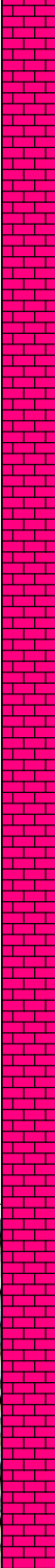
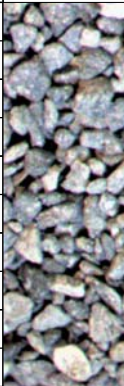








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-17790
17800



-17585 INC
90.46, AZM
266.71, TVD
7293.9

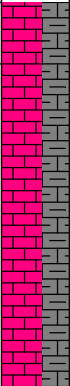
-17600 WT 10,
VIS 56

-17679 INC
90.46, AZM
266.53, TVD
7293.15

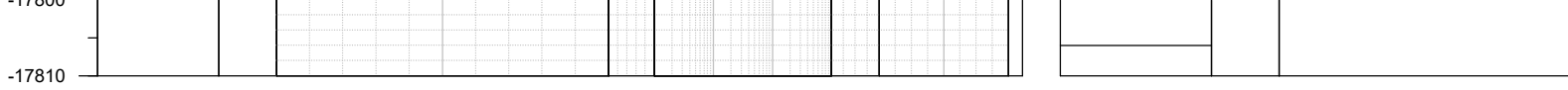
-17700 WT 9.9,
VIS 73

-17761 INC
90.34, AZM
265.35, TVD
7292.57

-17786 Reached
horizontal TD of
17786' MD,
7292' TVD at
0322 hrs on
6/21/2018.



-17750 CHK: lt-med gy-
brn, sft-sbfrm, sbbkly, mot,
v calc, rthy lstr; MARL: dk
gy-blk, sbbkly-sbply, sft-
sbfrm, v calc, mod arg, sl
silty; tr forams; tr fos frags;
tr bent, tr pyr;



TOTAL DEPTH = 17786'

Thank you for using Earth Science Agency