

OPERATOR: **Extraction Oil & Gas**

WELL NAME: **VT Glenmere C1-16-18**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Patterson 901

API #: 05-123-44424

LAT/LONG: 40.40134, -104.65637

SURFACE HOLE: SWNW S15-T5N-R65W, 1877' FNL, 697' FWL

BOTTOM HOLE: S18-T5N-R65W, 165' FNL, 460' FWL

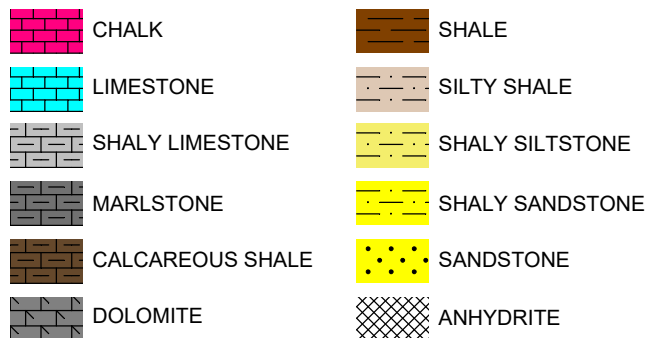


Earth Science Agency, LLC

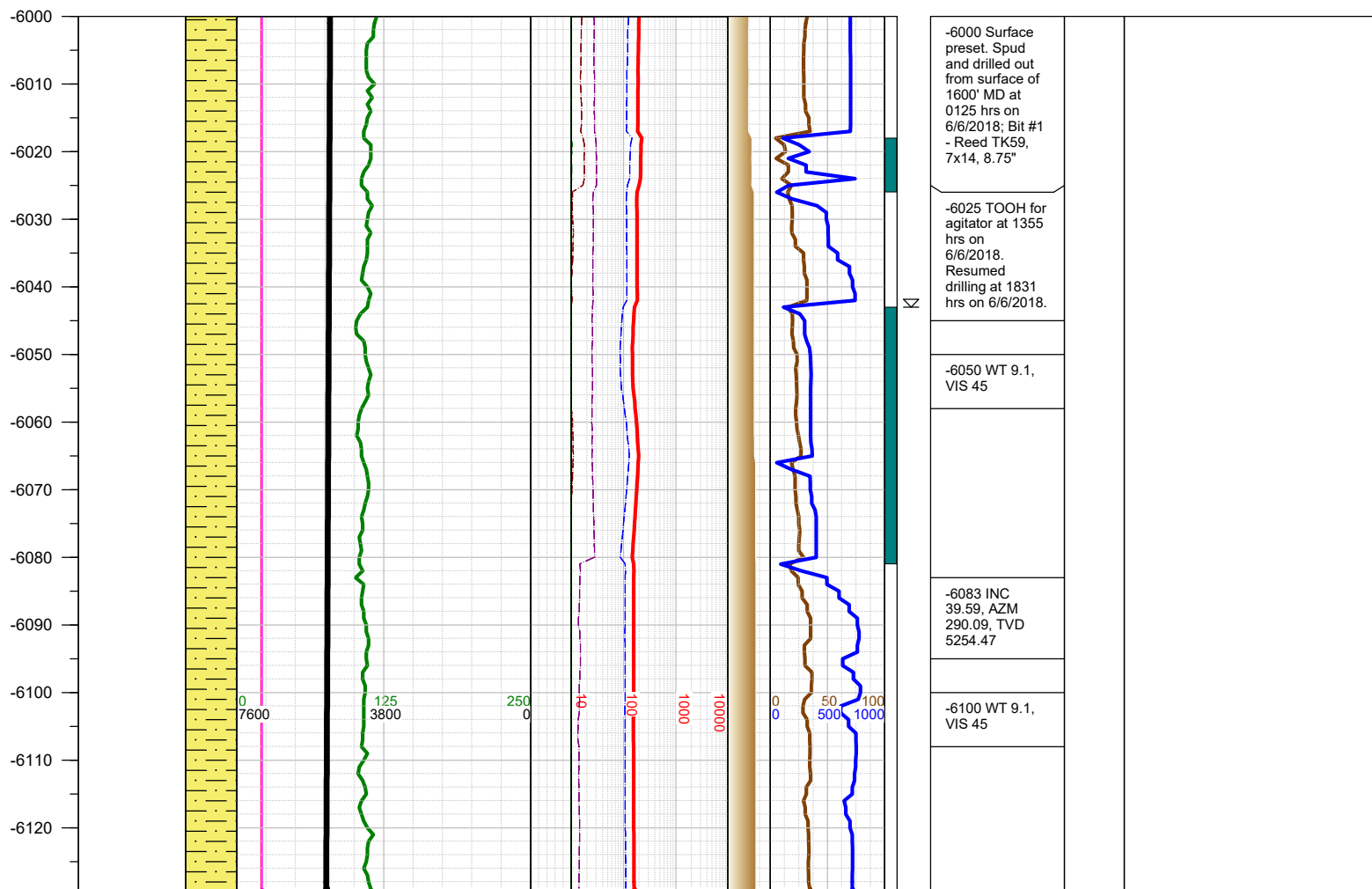
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 4647'
KELLY BUSHING: 4676'
DRILLING FLUID: OBM
TVD VS. MD: 6939' / 20710'
SPUD DATE: June 6, 2018
TD DATE: June 9, 2018

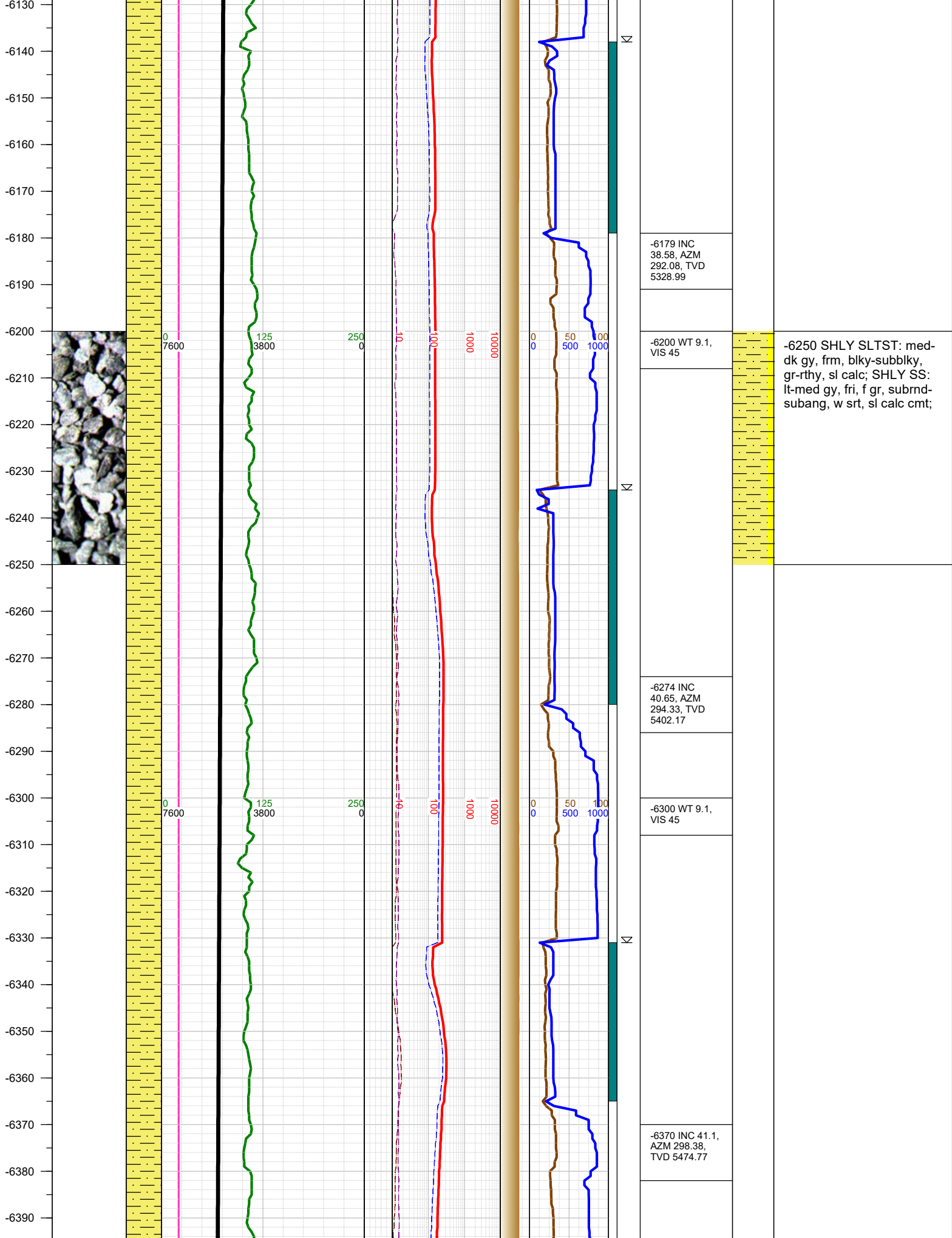
DEPTHS LOGGED: 6000' - 20710'
DATES LOGGED: June 6, 2018 - June 9, 2018
GEOLOGISTS: Levi Heintzelman, Dan Jacobs
SCALE: 5" = 100'

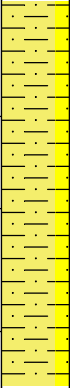
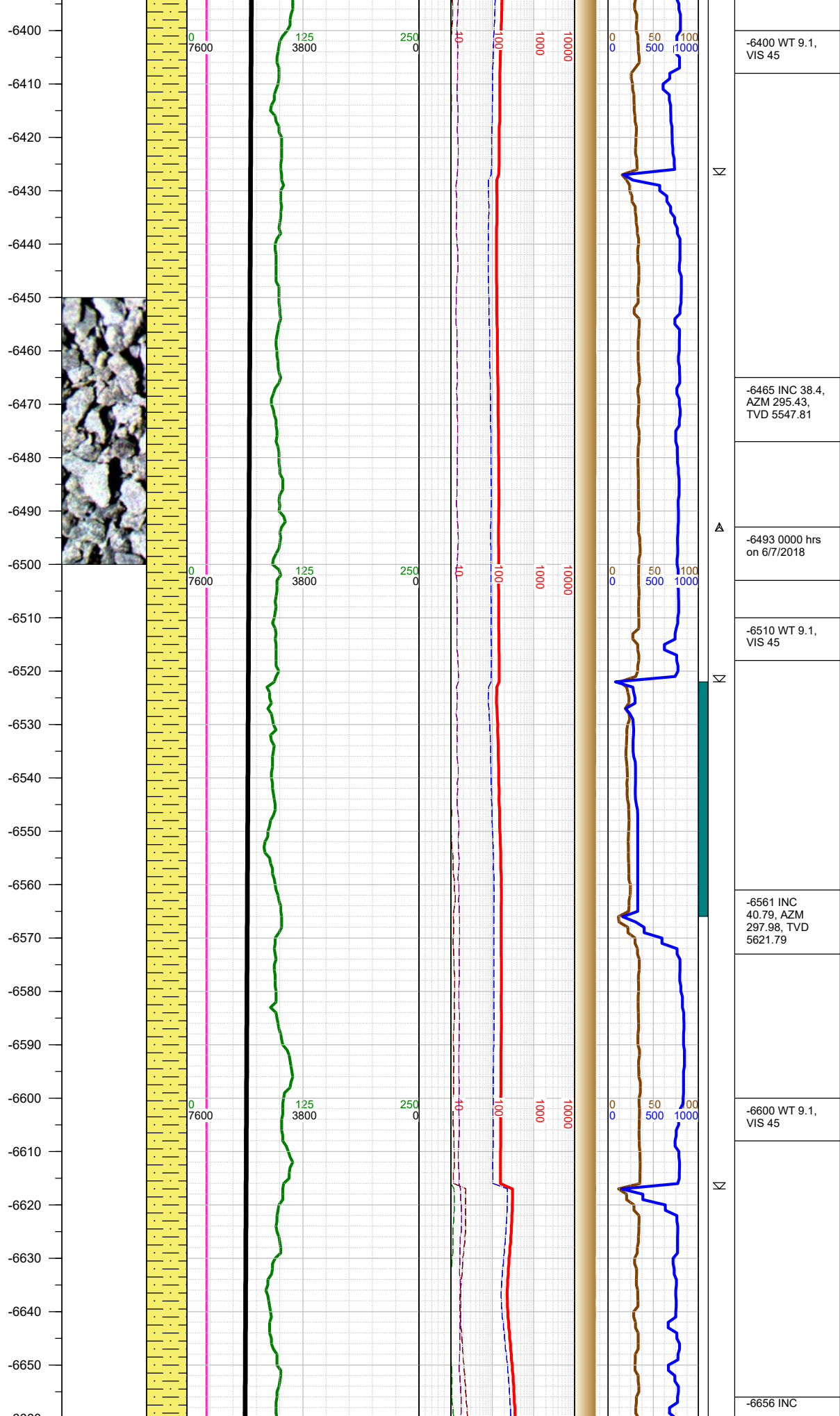
LEGEND



FORMATION \approx CONNECTION Δ MIDNIGHT NEW BIT GAS SHOW FAULT







-6500 SHLY SLTST: med-dk gy, frm, blkly-subblky, gr-rthy, sl calc; SHLY SS: lt-med gy, fri, f gr, subrnd-subang, w srt, sl calc cmt;

-6400 WT 9.1, VIS 45

-6465 INC 38.4, AZM 295.43, TVD 5547.81

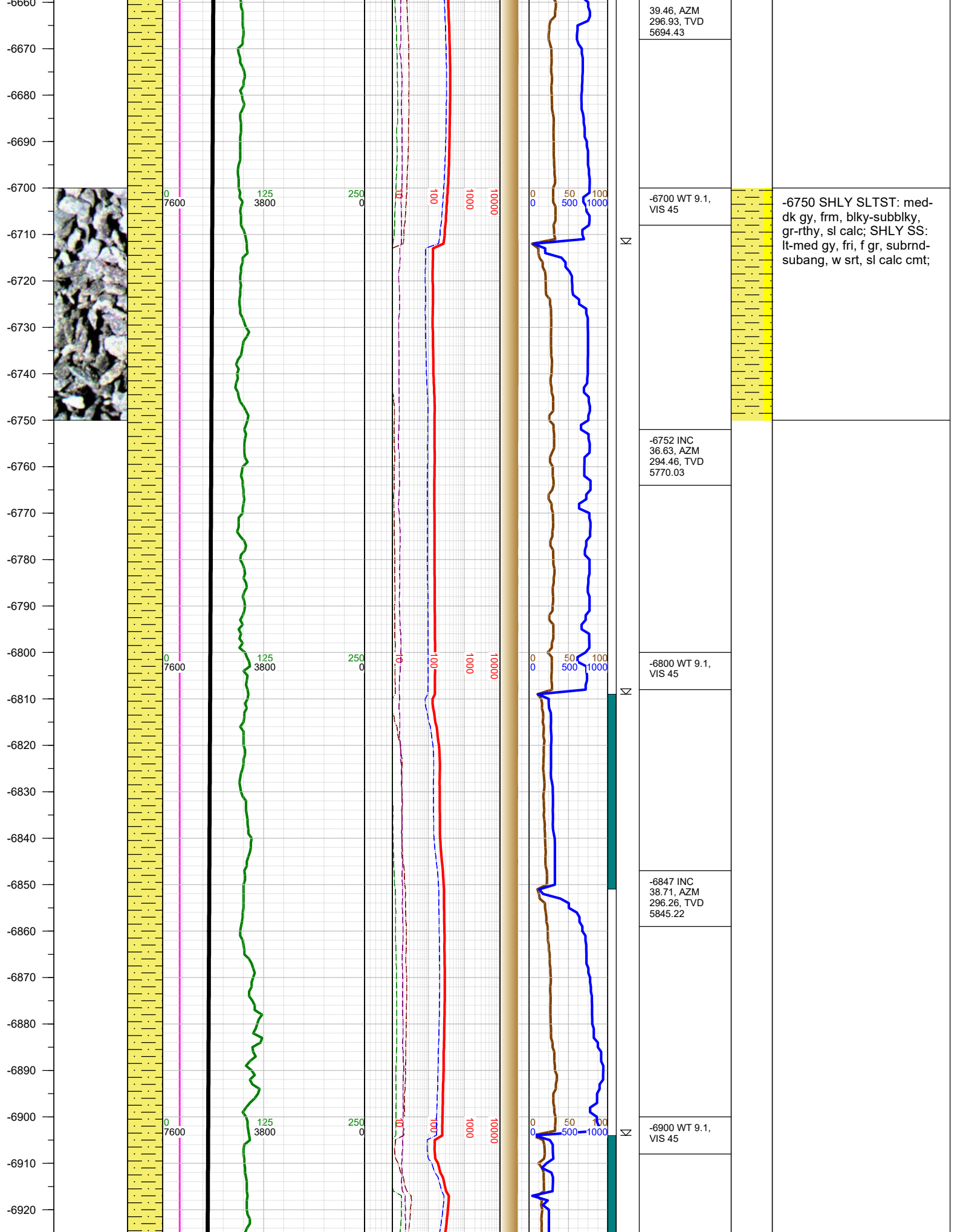
-6493 0000 hrs on 6/7/2018

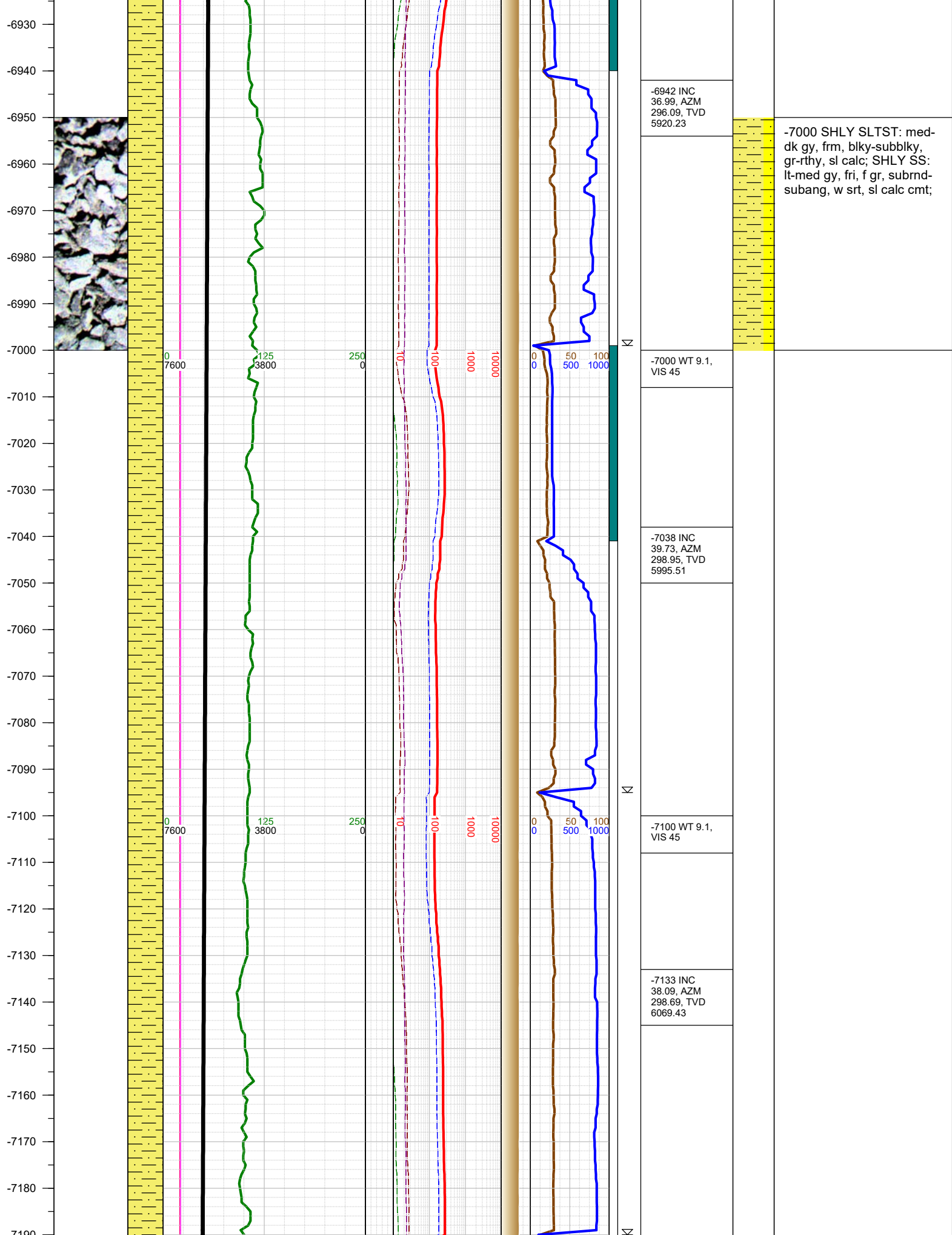
-6510 WT 9.1, VIS 45

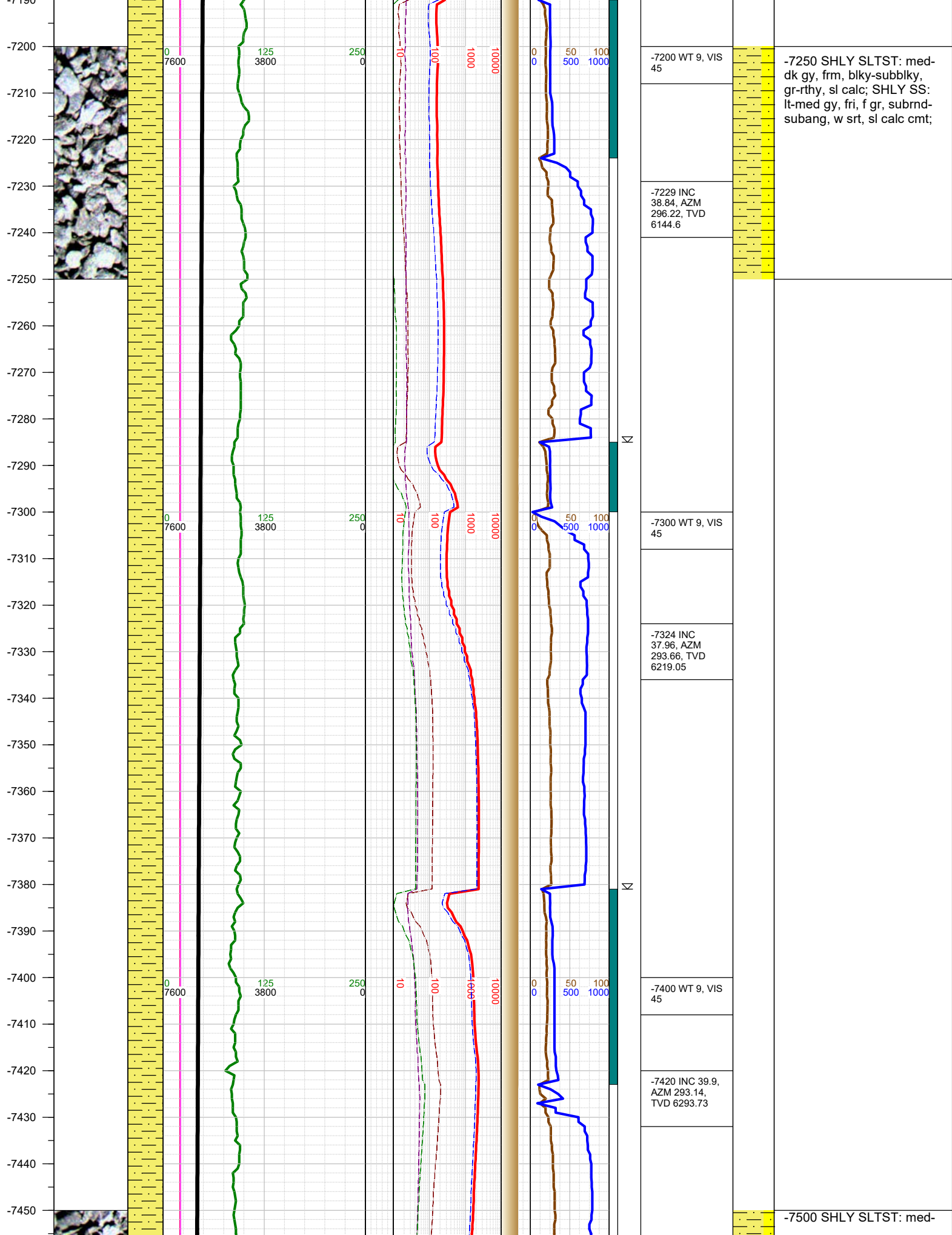
-6561 INC 40.79, AZM 297.98, TVD 5621.79

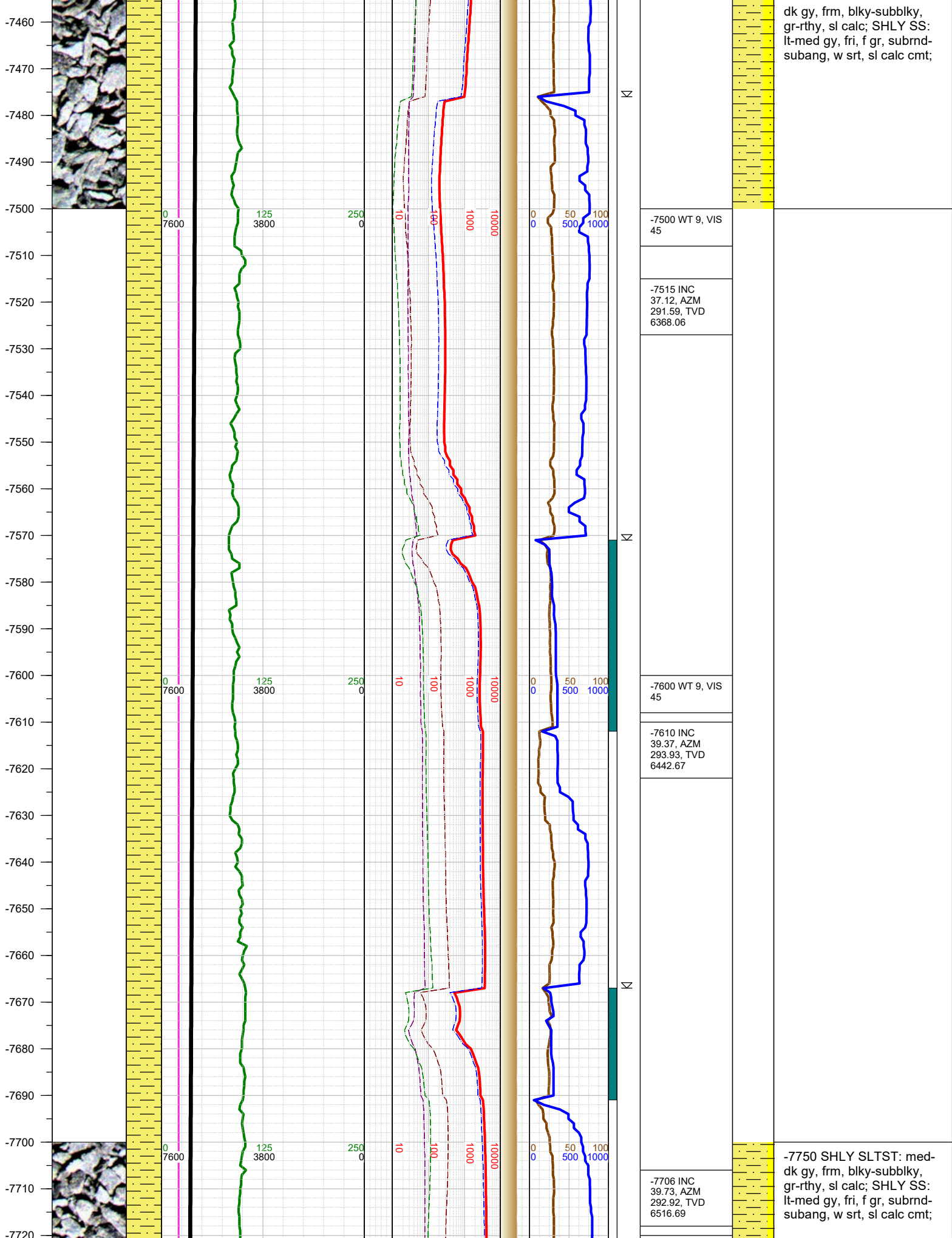
-6600 WT 9.1, VIS 45

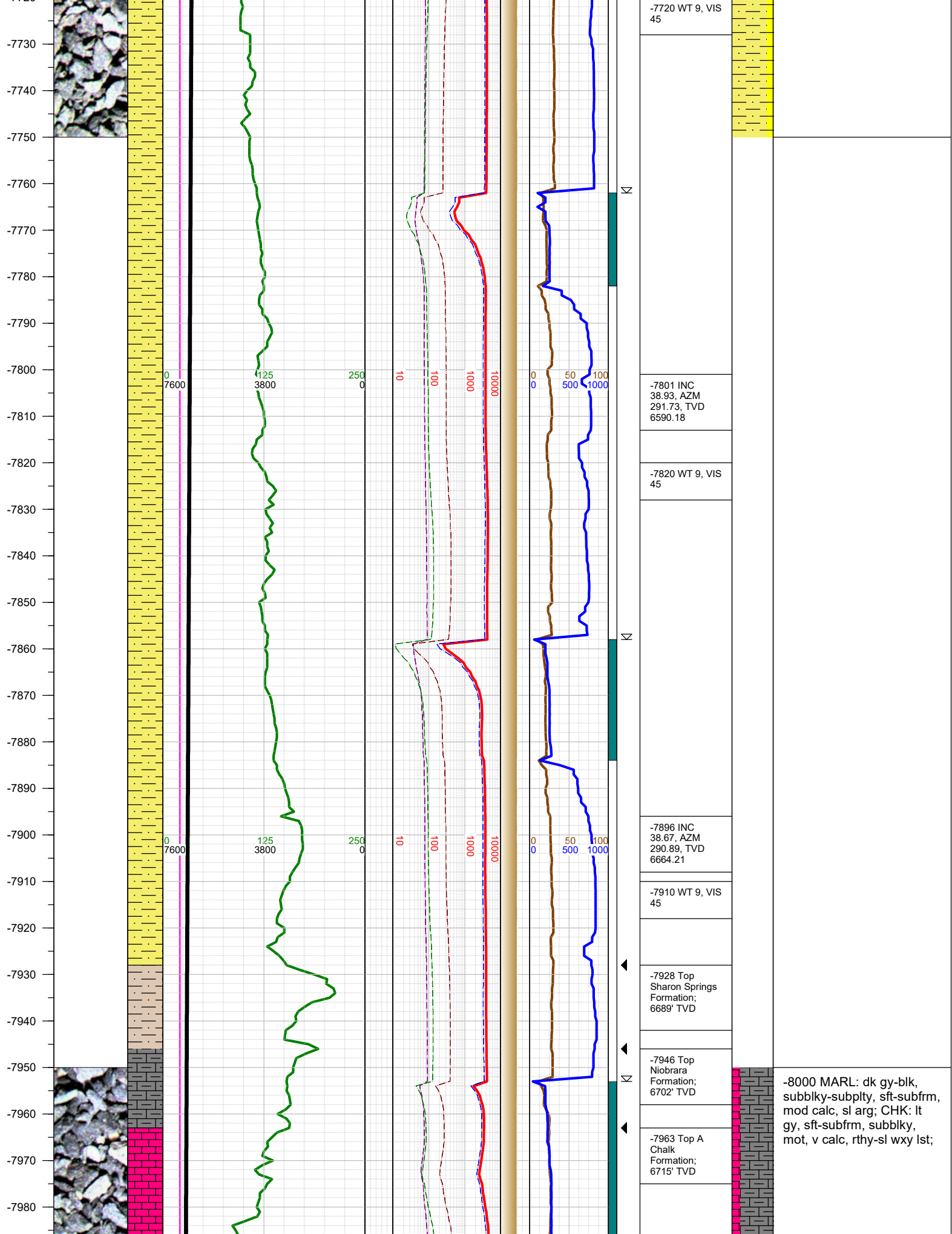
-6656 INC

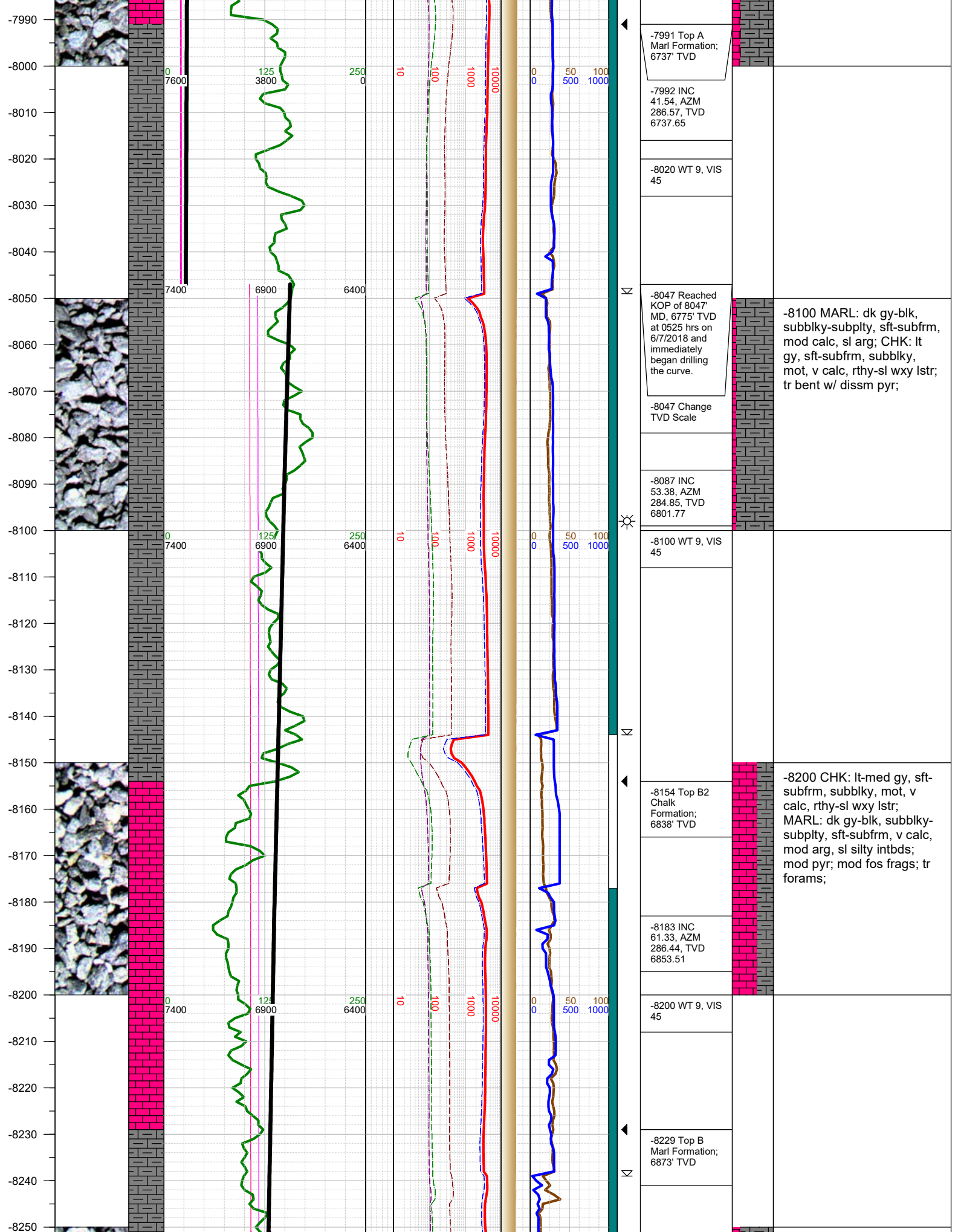


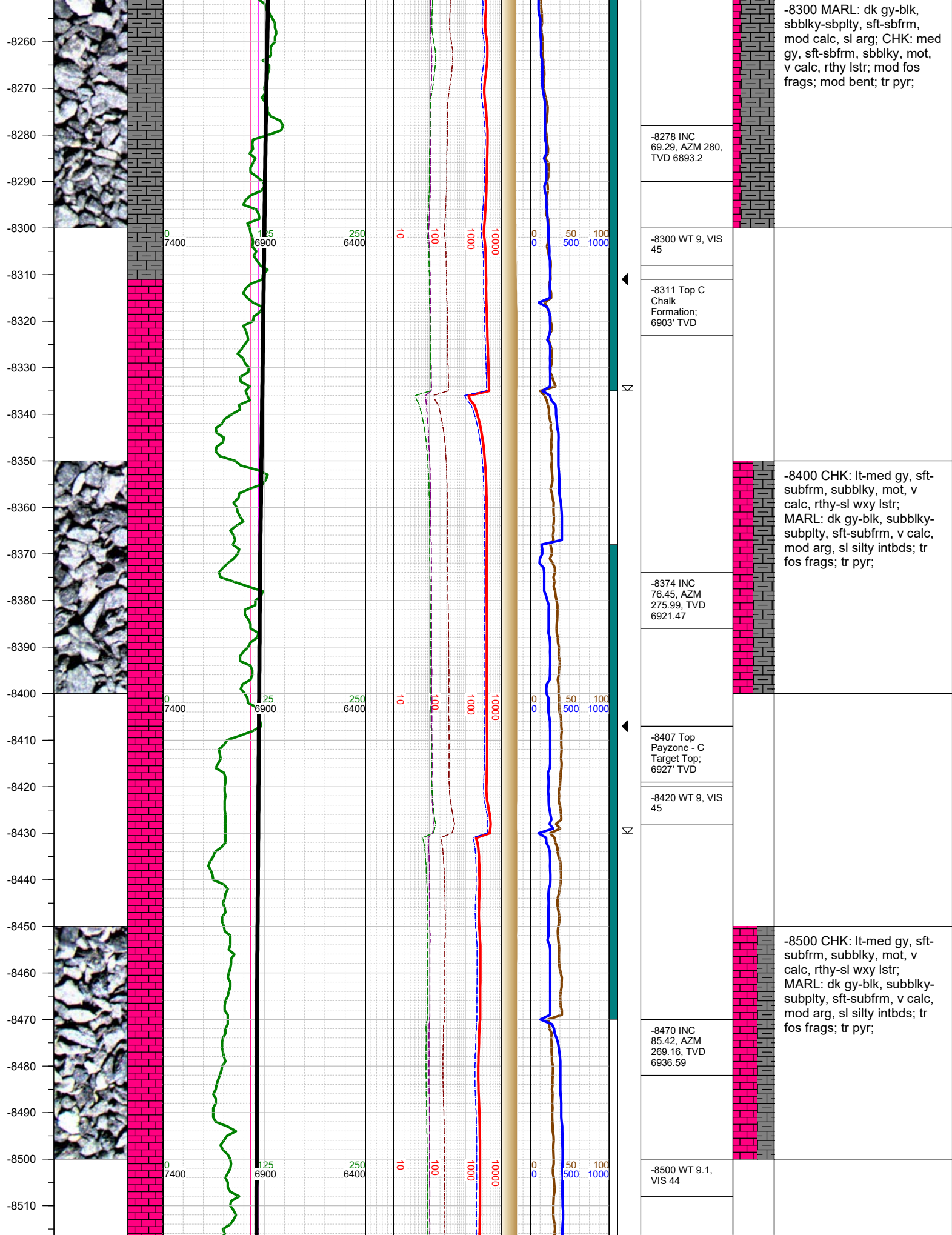


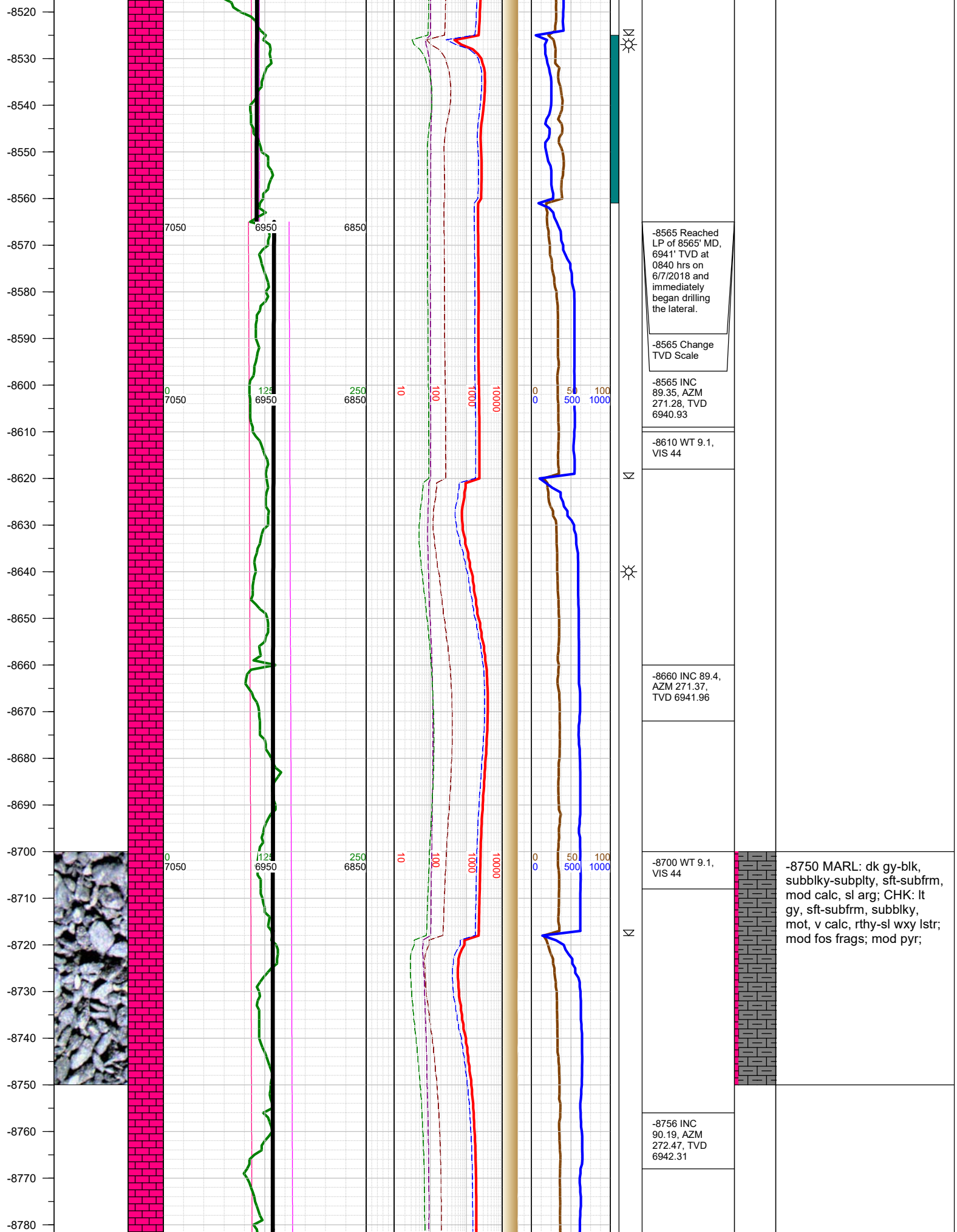


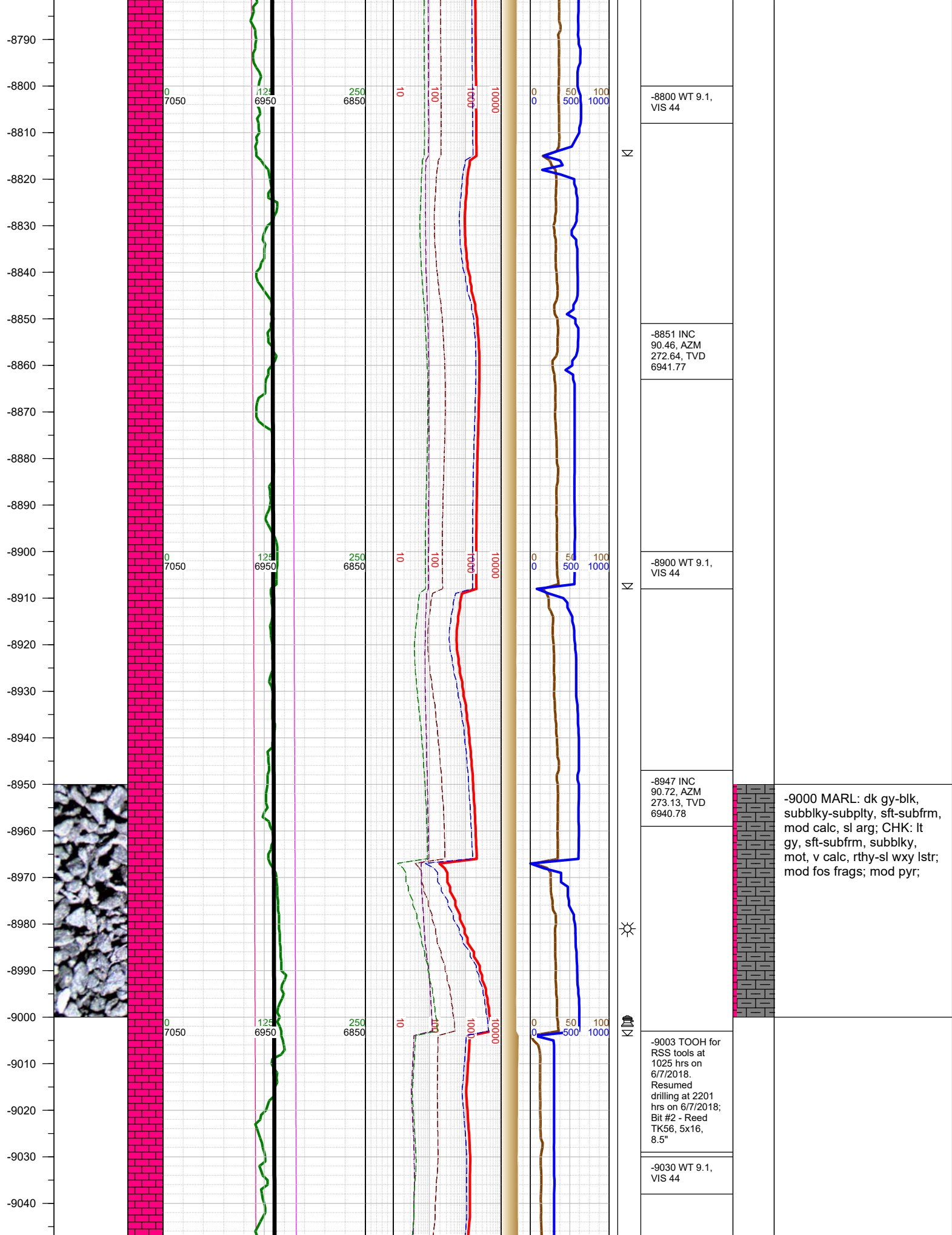


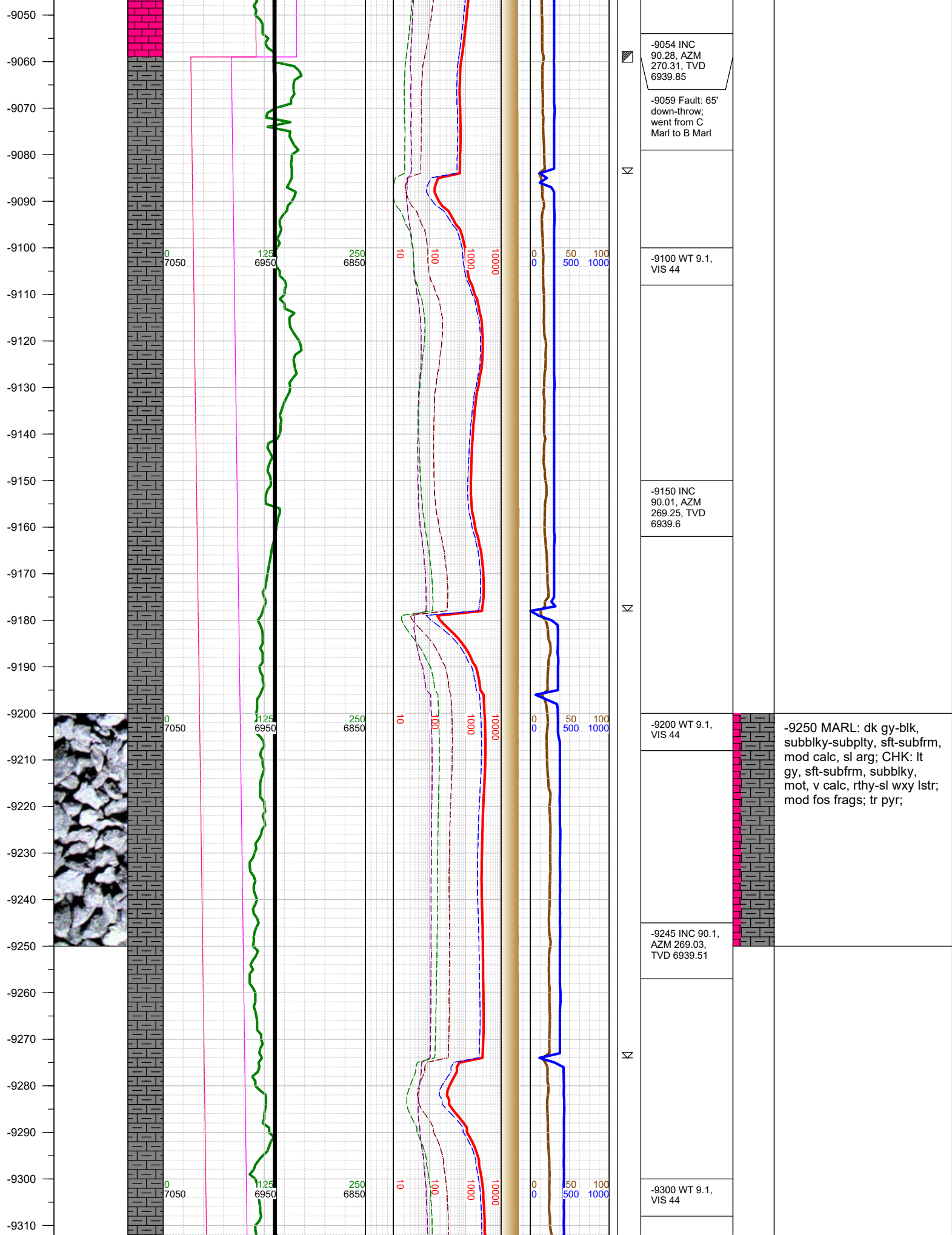


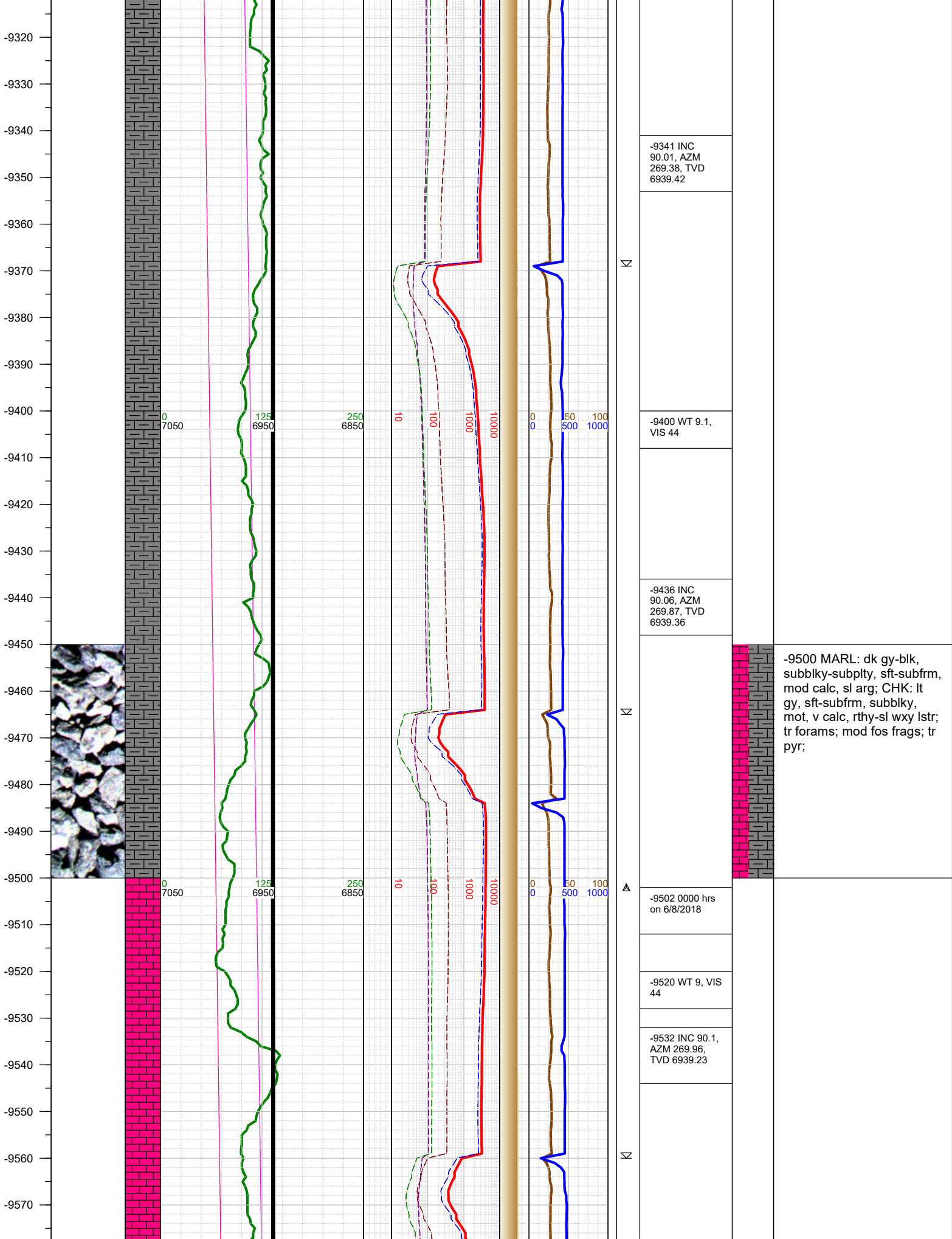


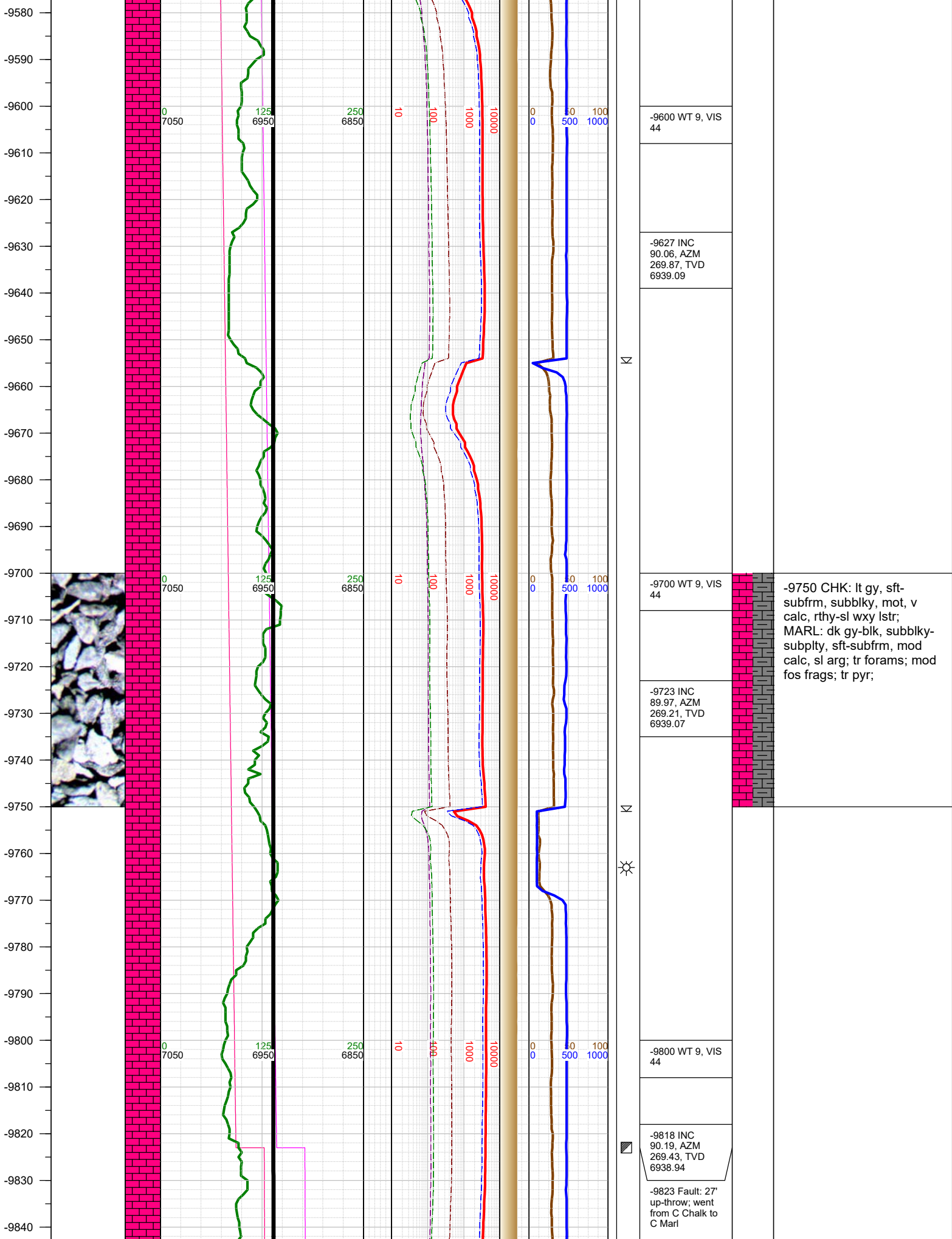


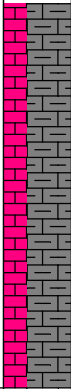
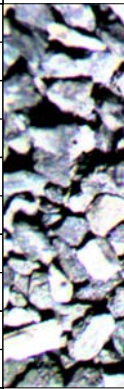
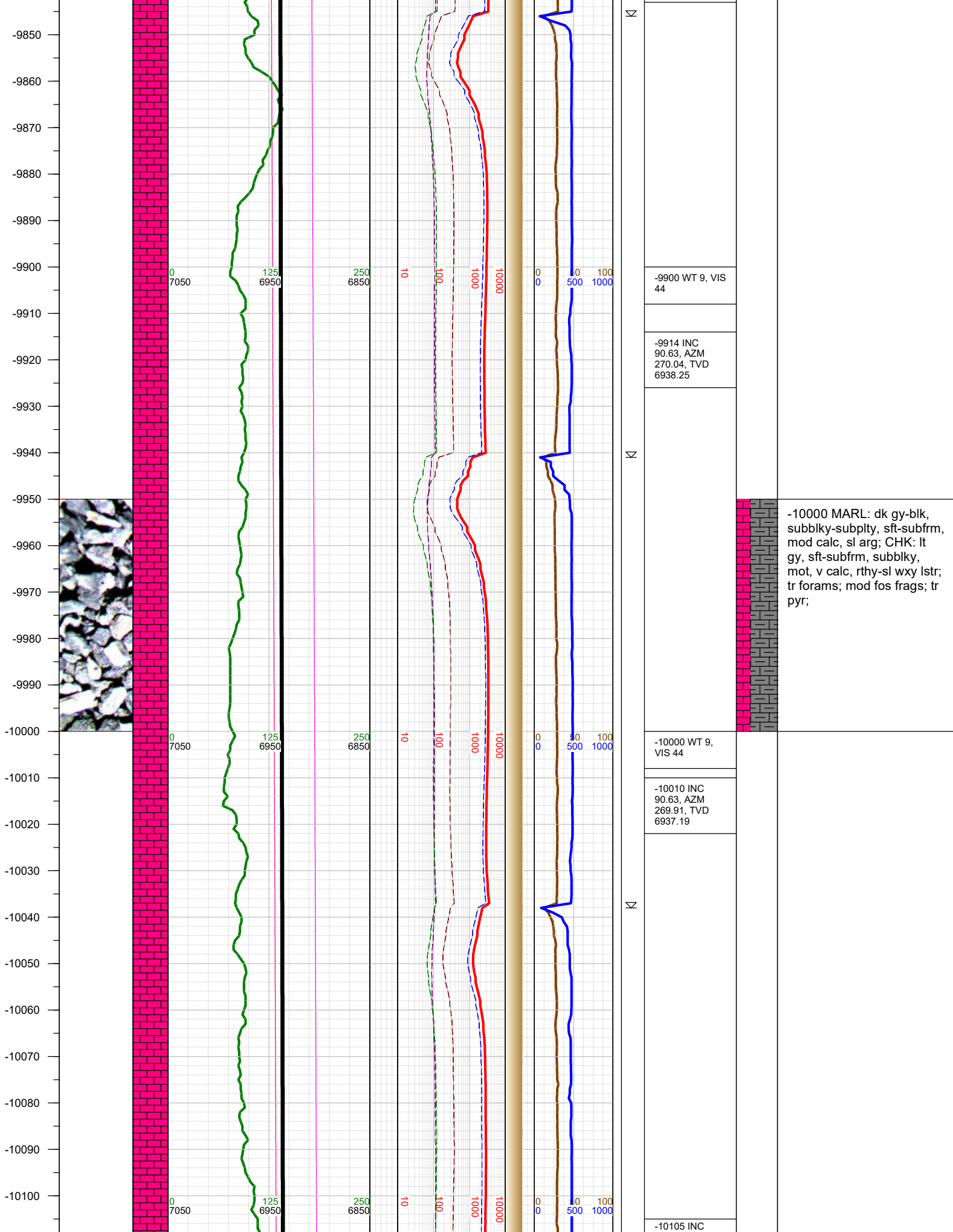




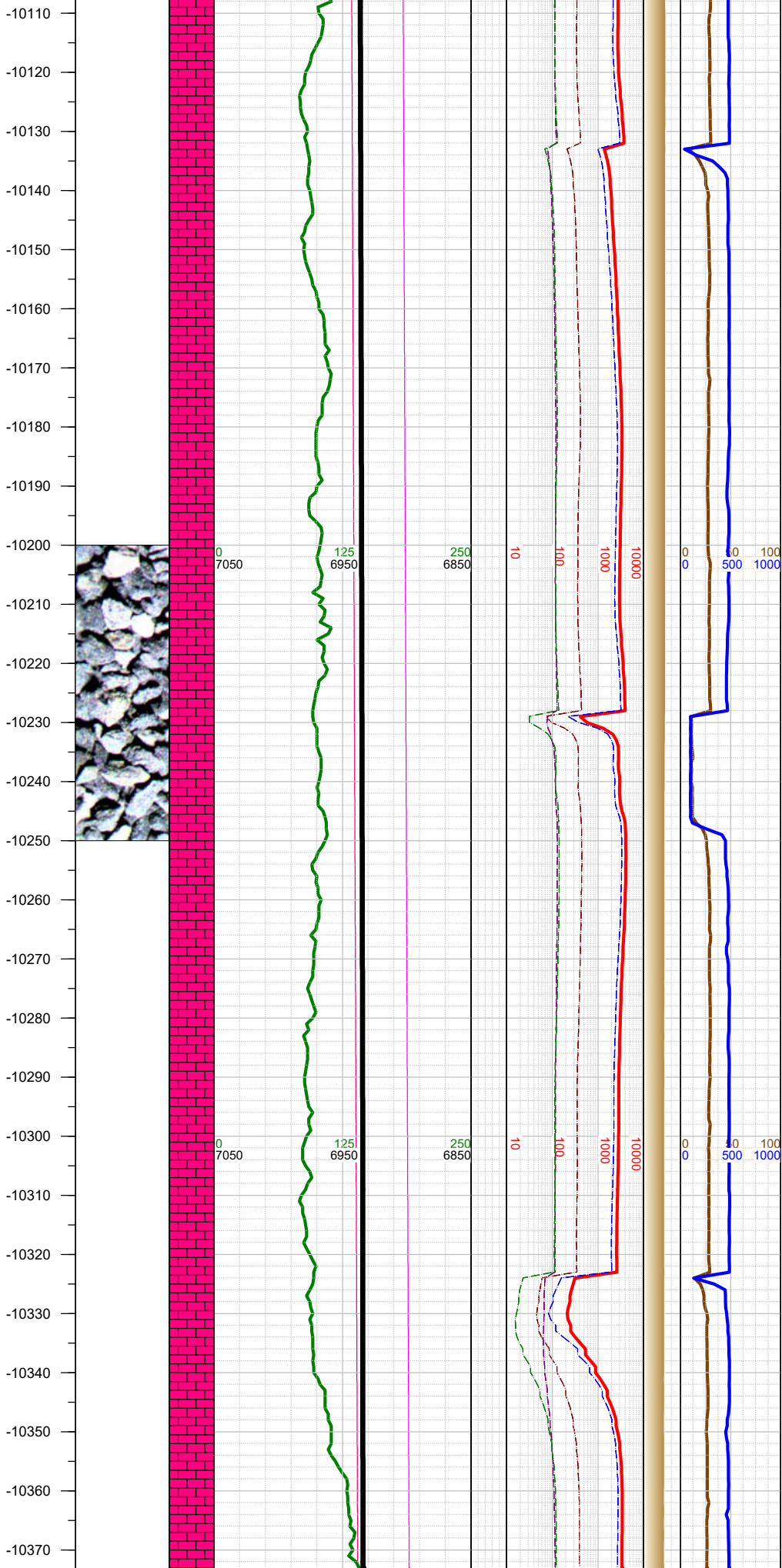




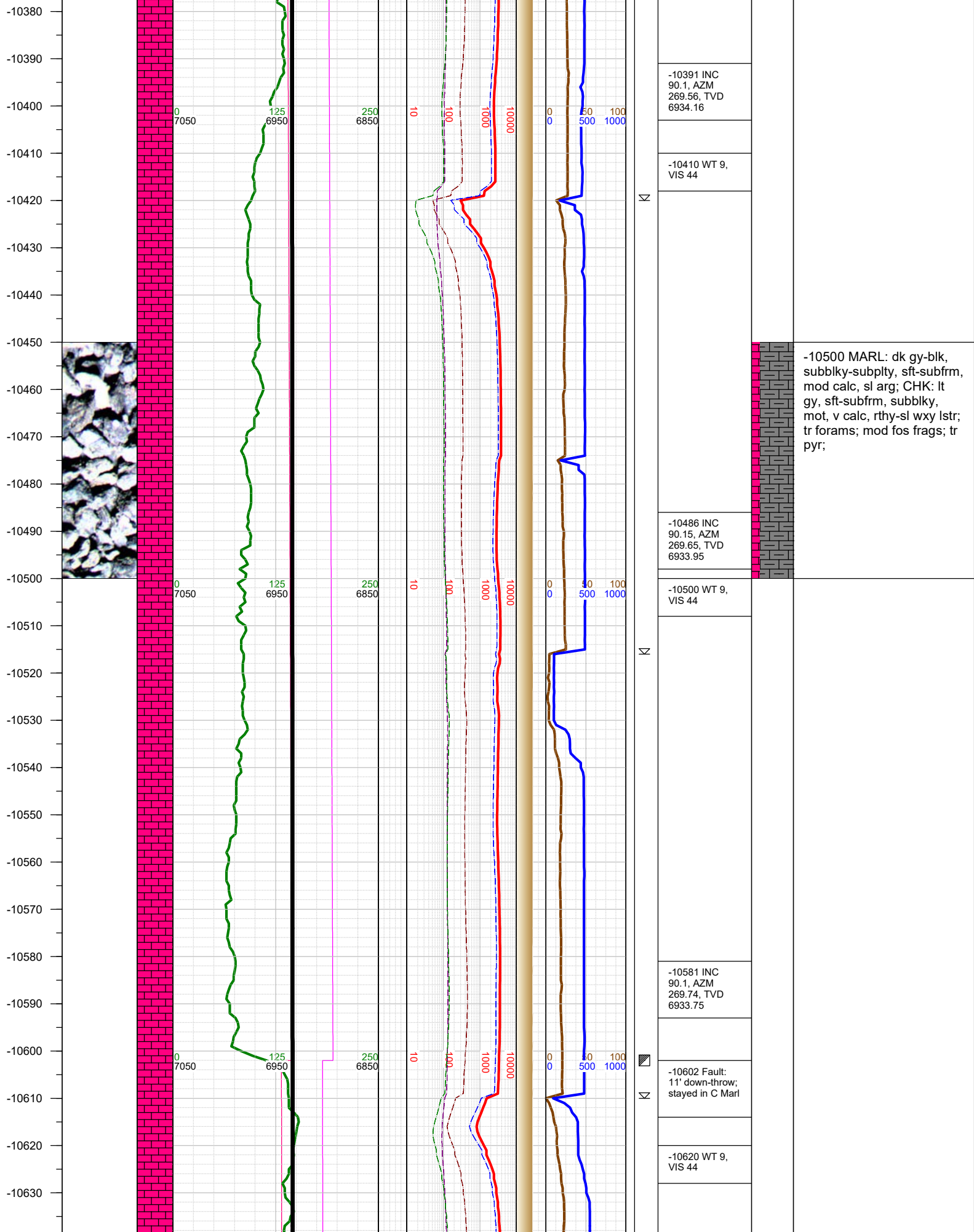


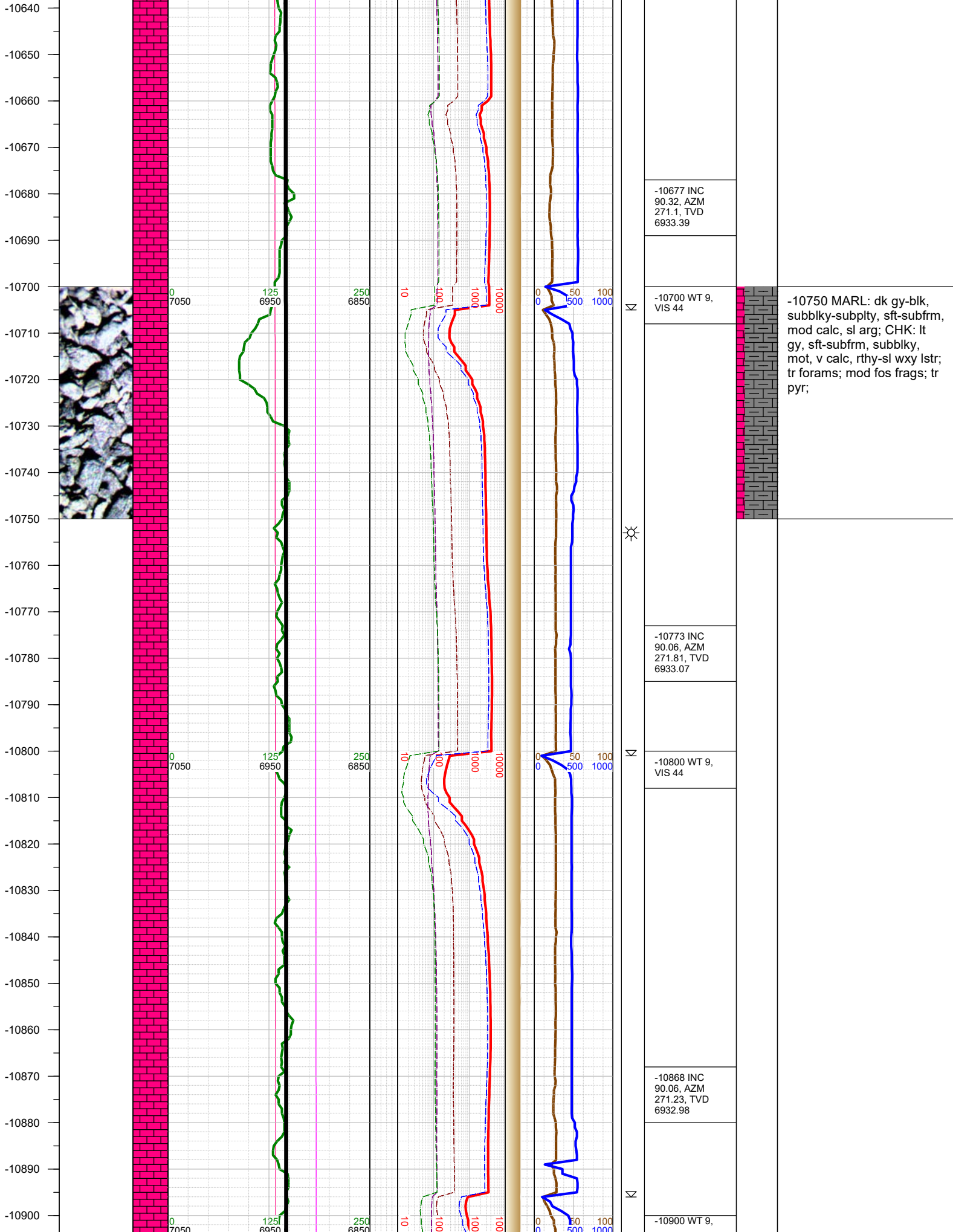


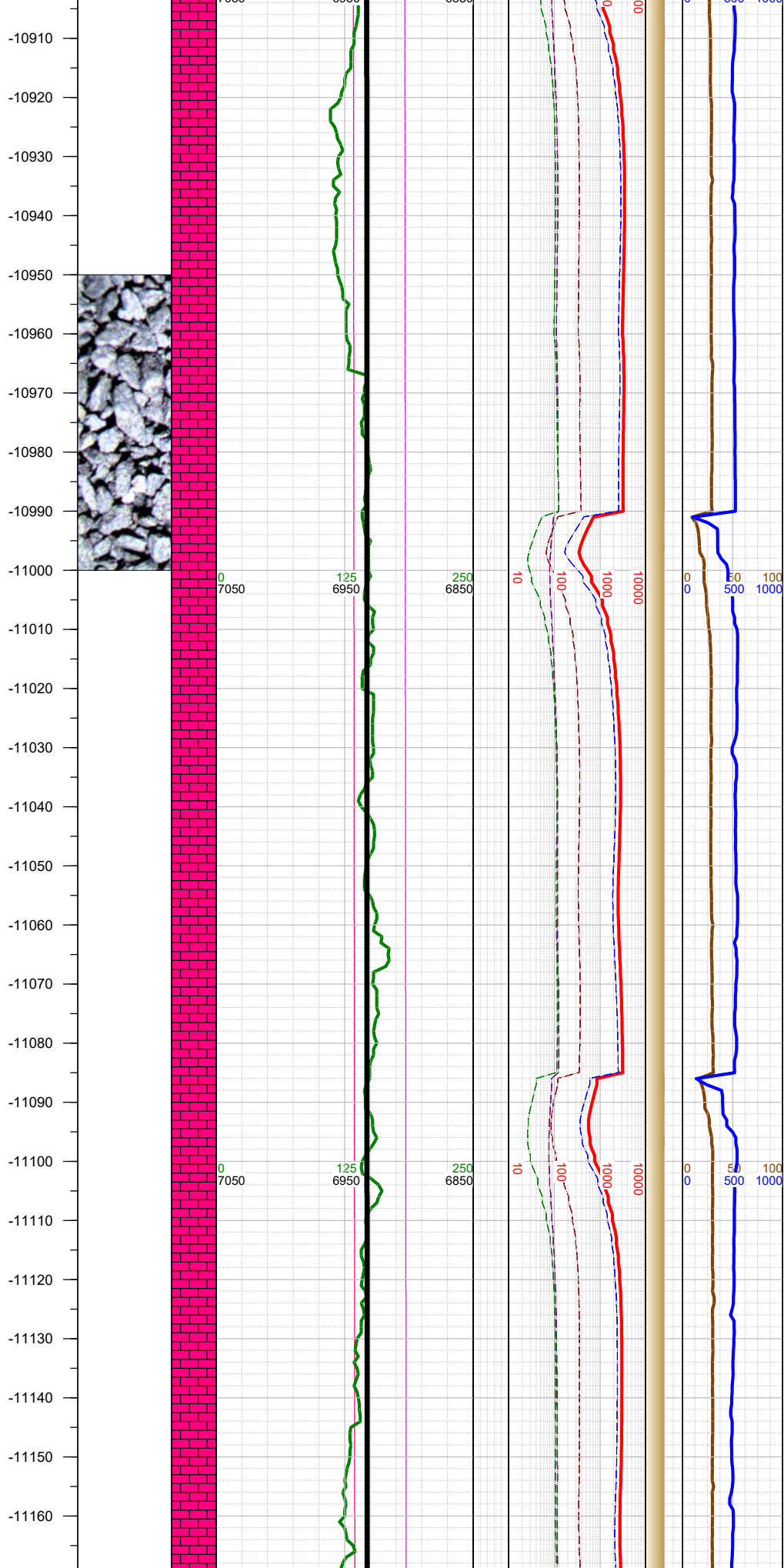
-10000 MARL: dk gy-blk, subblky-subplty, sft-subfrm, mod calc, sl arg; CHK: lt gy, sft-subfrm, subblky, mot, v calc, rthy-sl wxy lstr; tr forams; mod fos frags; tr pyr;



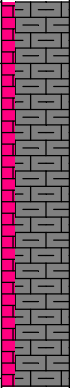
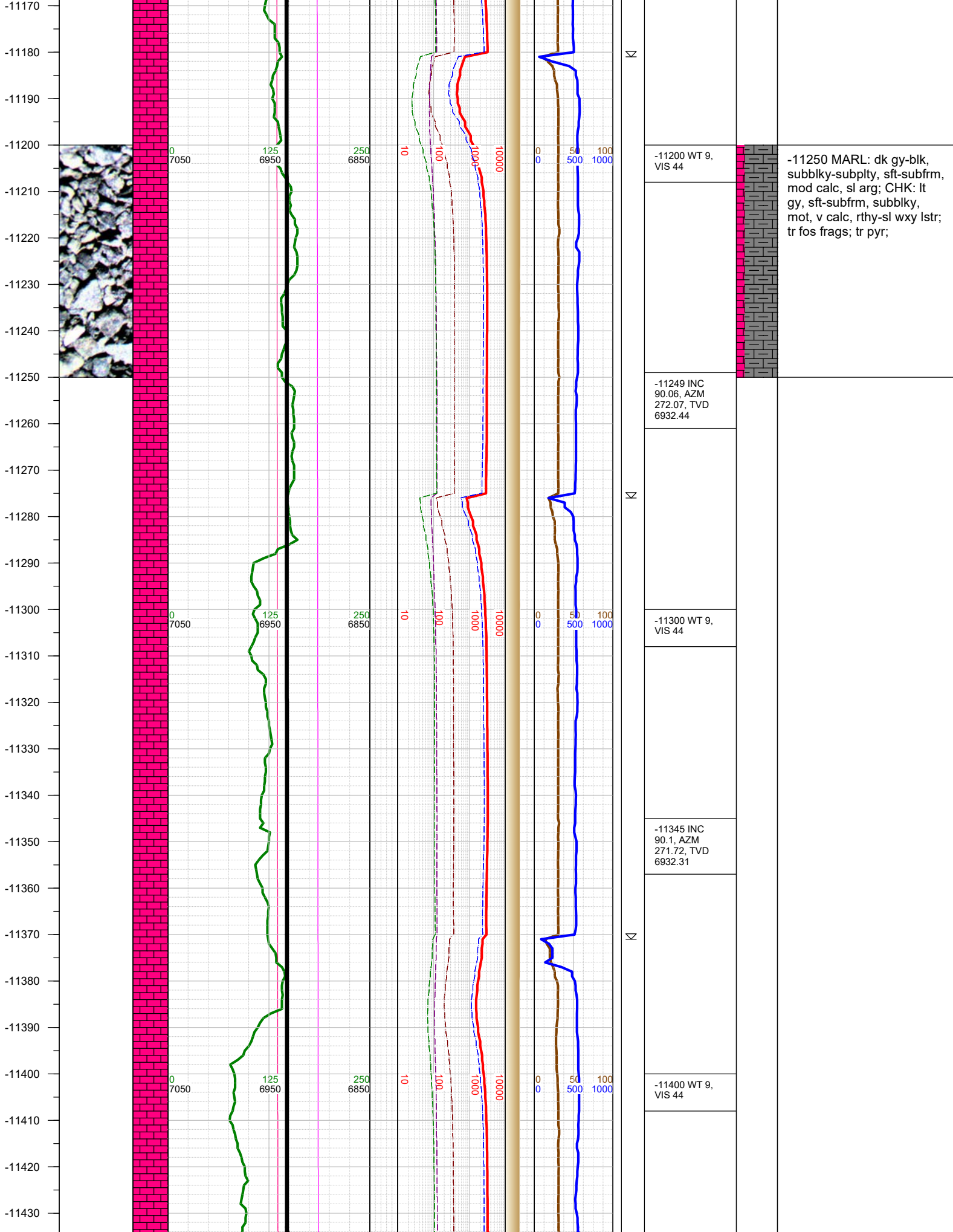
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	-10120 WT 9, VIS 44		
N	-10200 INC 90.77, AZM 269.56, TVD 6935.27	-10250 MARL: dk gy-blk, subblky-subplty, sft-subfrm, mod calc, sl arg; CHK: lt gy, sft-subfrm, subblky, mot, v calc, rthy-sl wxy lstr; tr forams; mod fos frags; tr pyr;	
	-10220 WT 9, VIS 44		
N	-10296 INC 90.23, AZM 269.69, TVD 6934.43		
	-10310 WT 9, VIS 44		







VIS 44		
	-10963 INC 90.06, AZM 271.19, TVD 6932.88	-11000 MARL: dk gy-blk, subblky-subplty, sft-subfrm, mod calc, sl arg; CHK: lt gy, sft-subfrm, subblky, mot, v calc, rthy-sl wxy lstr; tr fos frags; mod pyr;
-11000 WT 9, VIS 44		
-11058 INC 90.01, AZM 271.76, TVD 6932.82		
-11100 WT 9, VIS 44		
-11154 INC 90.19, AZM 271.15, TVD 6932.65		



-11200 WT 9,
VIS 44

-11250 MARL: dk gy-blk,
subbly-subplty, sft-subfrm,
mod calc, sl arg; CHK: lt
gy, sft-subfrm, subbly,
mot, v calc, rthy-sl wxy lstr;
tr fos frags; tr pyr;

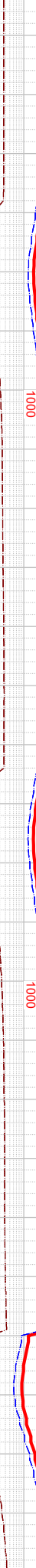
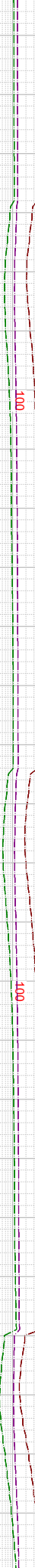
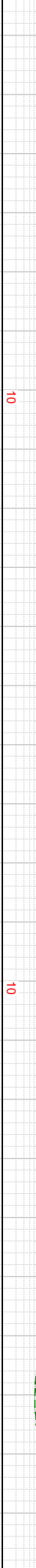
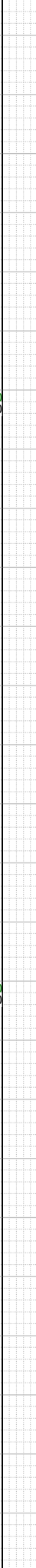
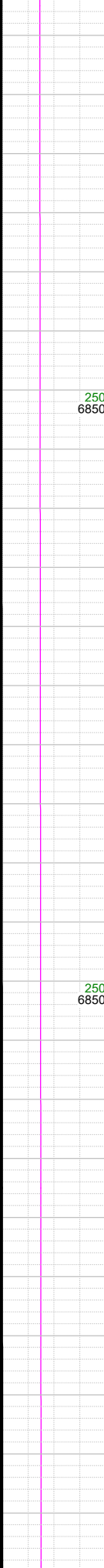
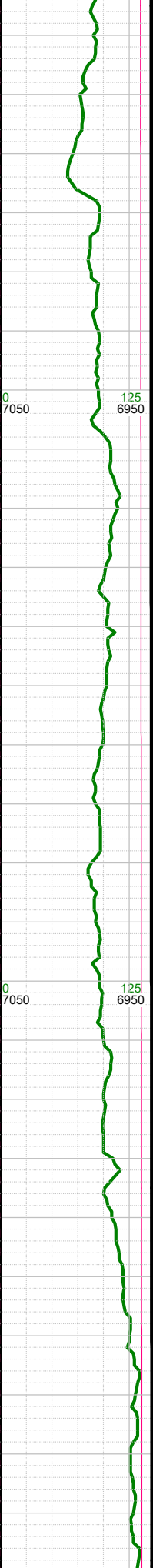
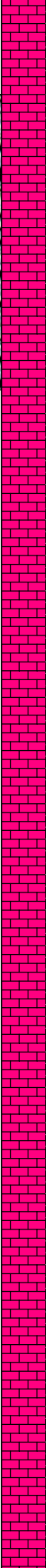
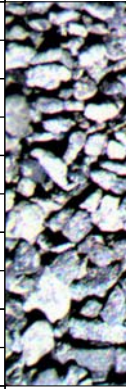
-11249 INC
90.06, AZM
272.07, TVD
6932.44

-11300 WT 9,
VIS 44

-11345 INC
90.1, AZM
271.72, TVD
6932.31

-11400 WT 9,
VIS 44

-11440
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-11680
-11690



-11440 INC
90.01, AZM
271.1, TVD
6932.22

Σ

-11500 WT 9.1,
VIS 44

-11535 INC
90.06, AZM
271.06, TVD
6932.16

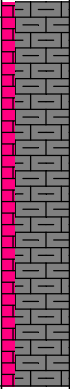
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-11600 WT 9.1,
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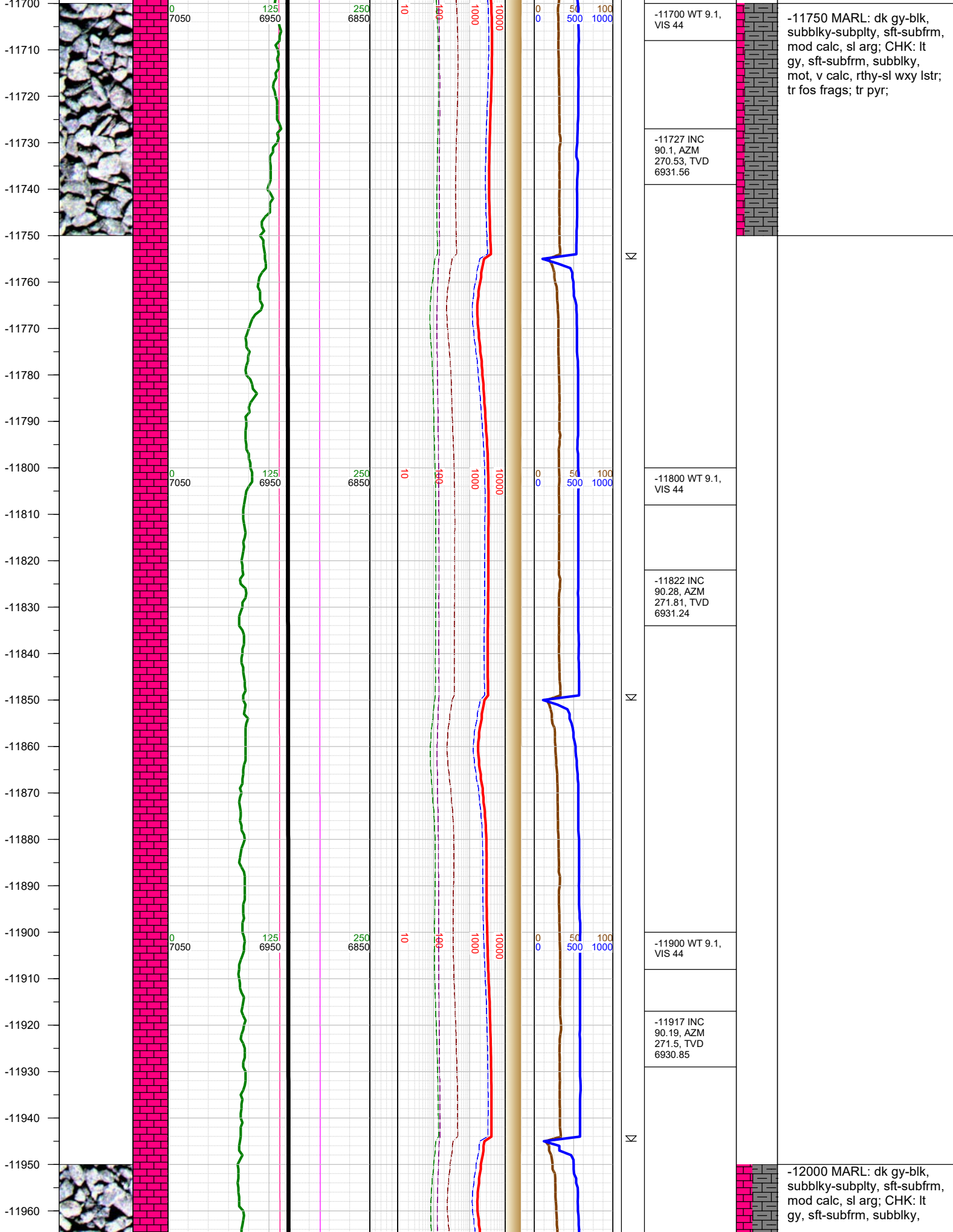
-11631 INC
90.28, AZM
271.98, TVD
6931.87

Σ

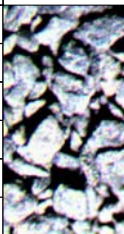
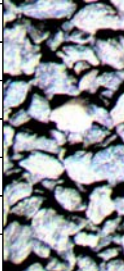
☀



-11500 MARL: dk gy-blk,
subbly-subply, sft-subfrm,
mod calc, sl arg; CHK: lt
gy, sft-subfrm, subbly,
mot, v calc, rthy-sl wxy lstr;
tr fos frags; tr pyr;



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-12220
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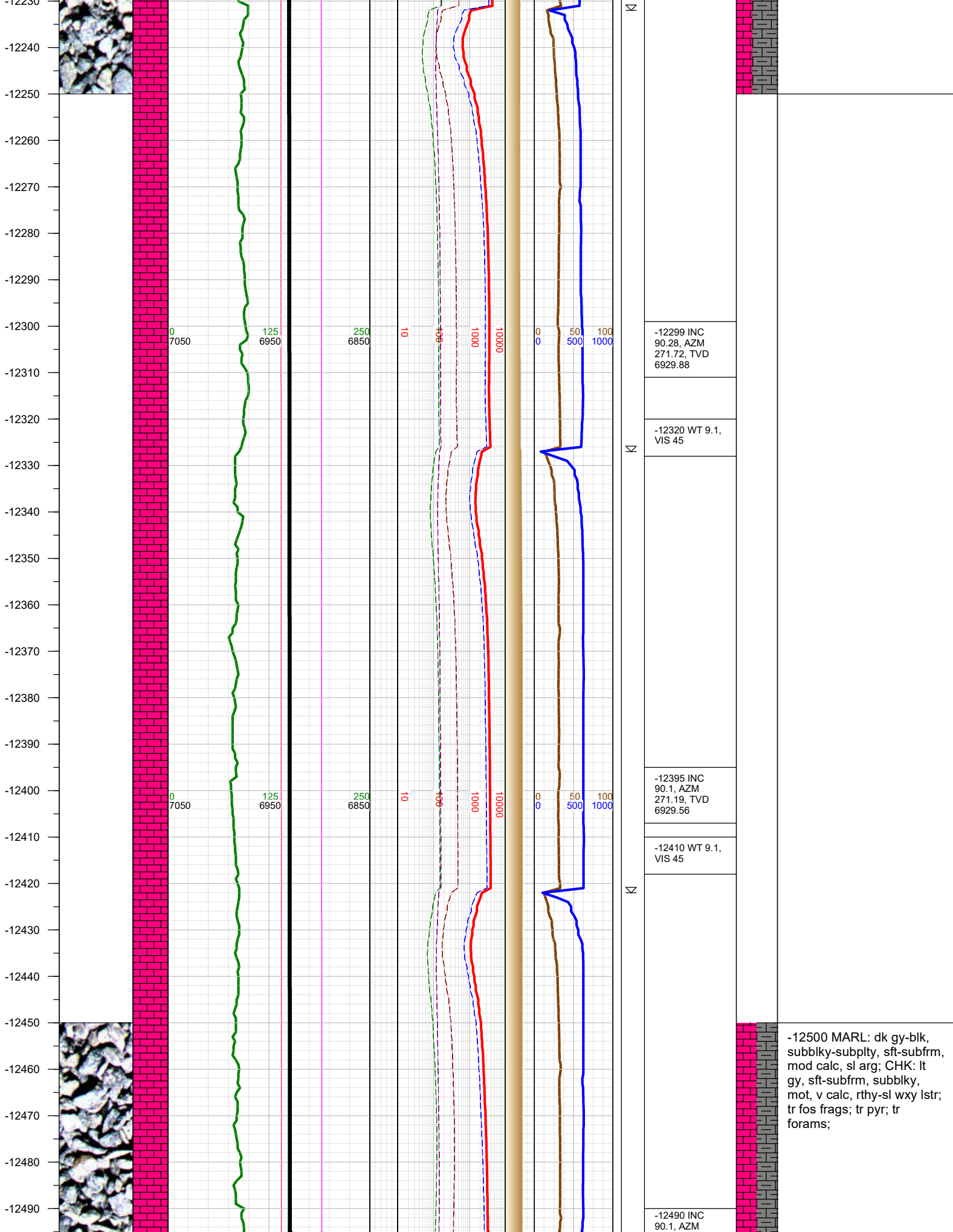
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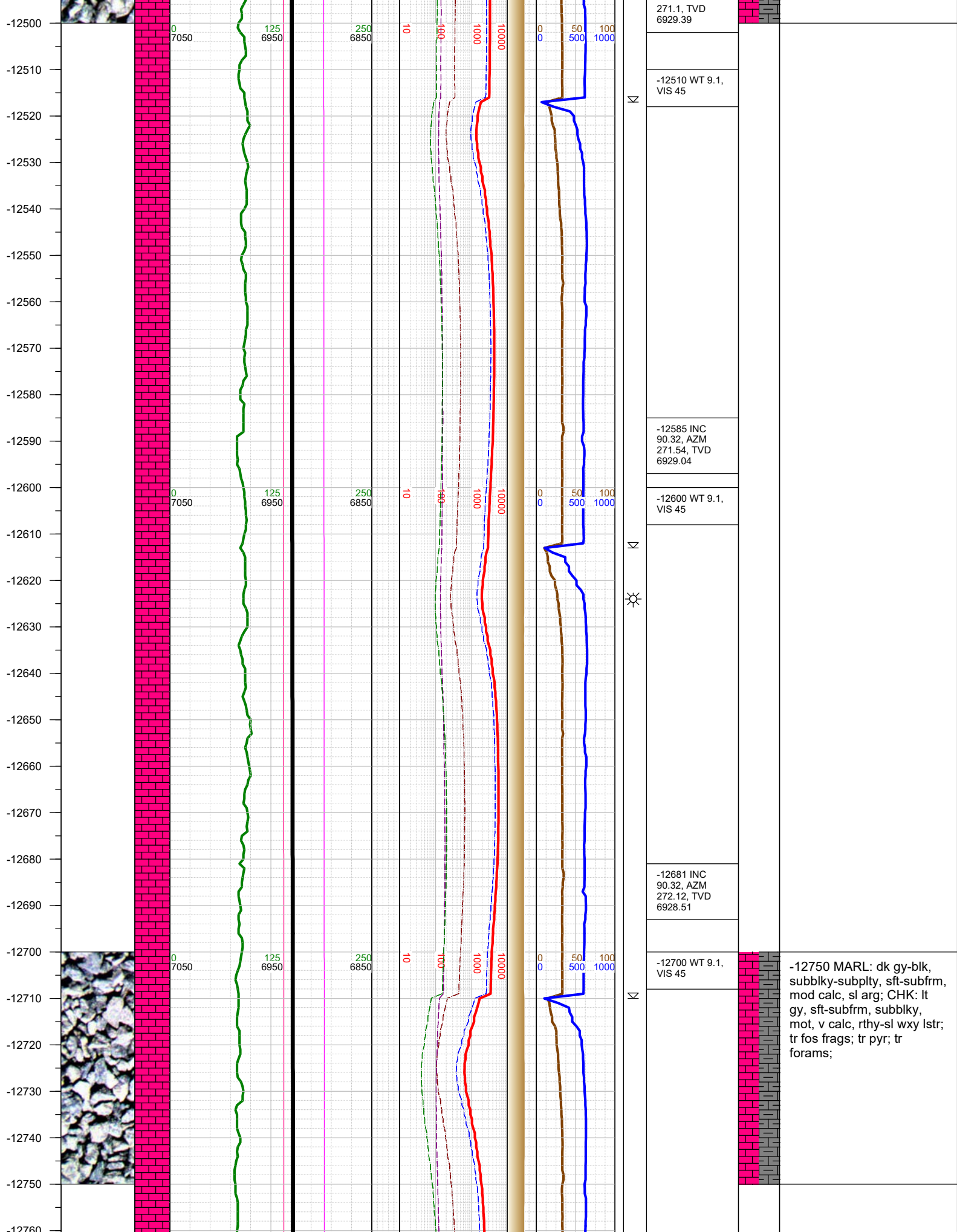
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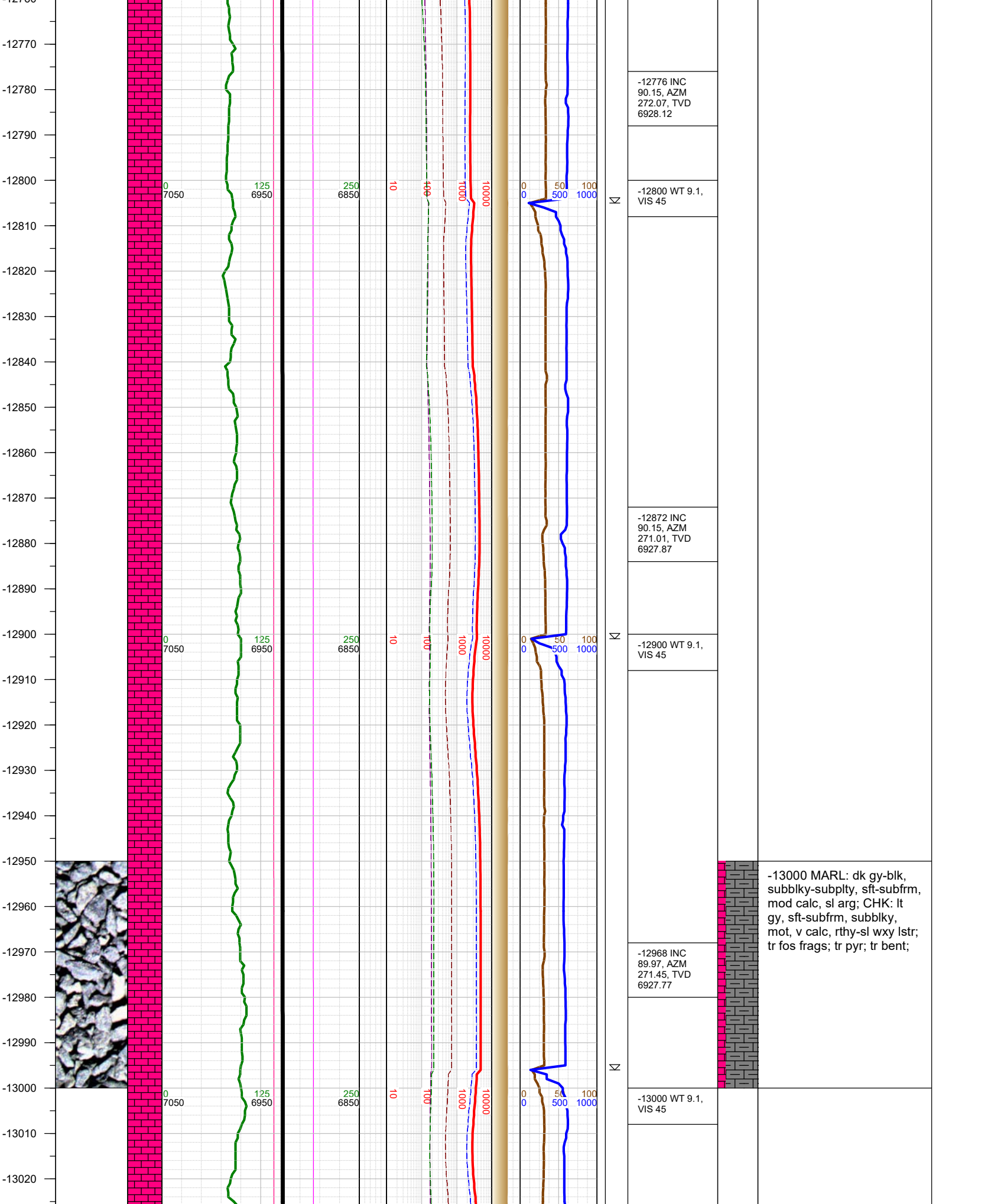
-12000 WT 9.1, VIS 44		
-12012 INC 90.1, AZM 271.01, TVD 6930.61		
-12100 WT 9.1, VIS 44		
-12108 INC 90.1, AZM 270.71, TVD 6930.44		
-12203 INC 90.15, AZM 270.93, TVD 6930.24		
-12220 WT 9.1, VIS 45		

mot, v calc, rthy-sl wxy lstr;
mod fos frags; tr pyr; tr
forams;

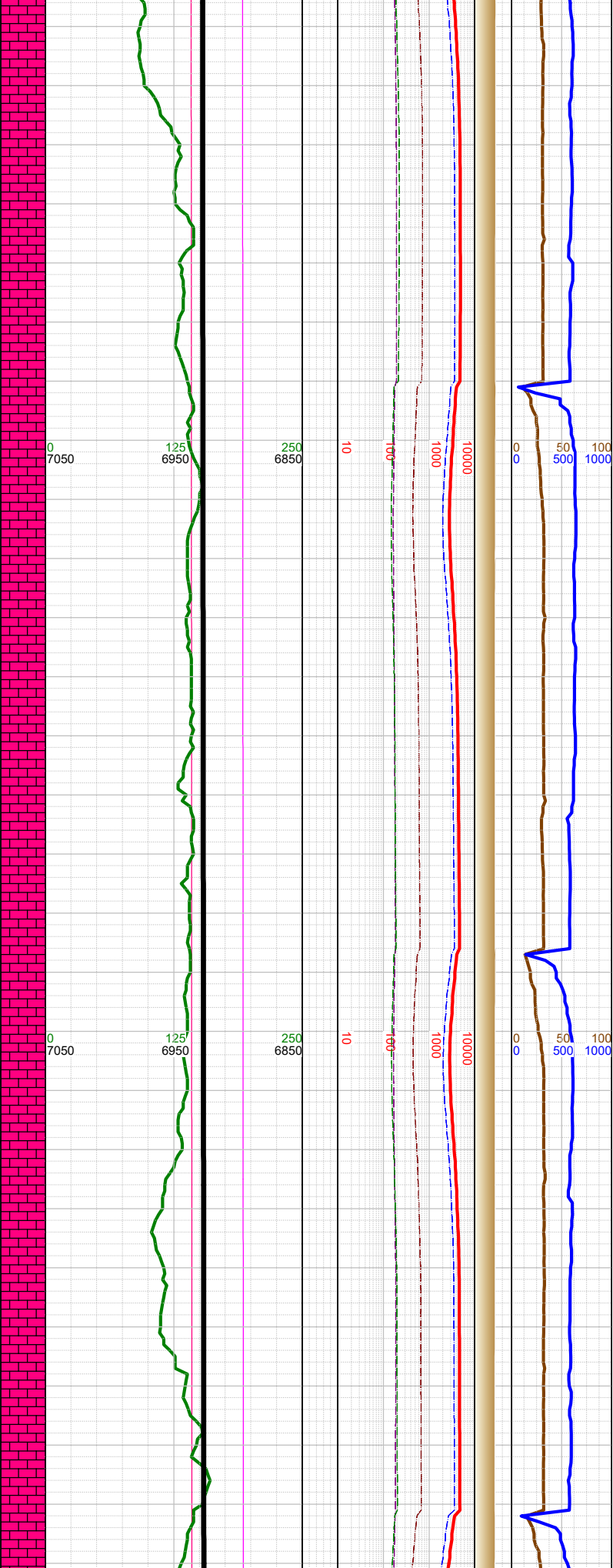
-12250 MARL: dk gy-blk,
subblky-subplty, sft-subfrm,
mod calc, sl arg; CHK: lt
gy, sft-subfrm, subblky,
mot, v calc, rthy-sl wxy lstr;
tr fos frags; tr pyr; tr
forams;



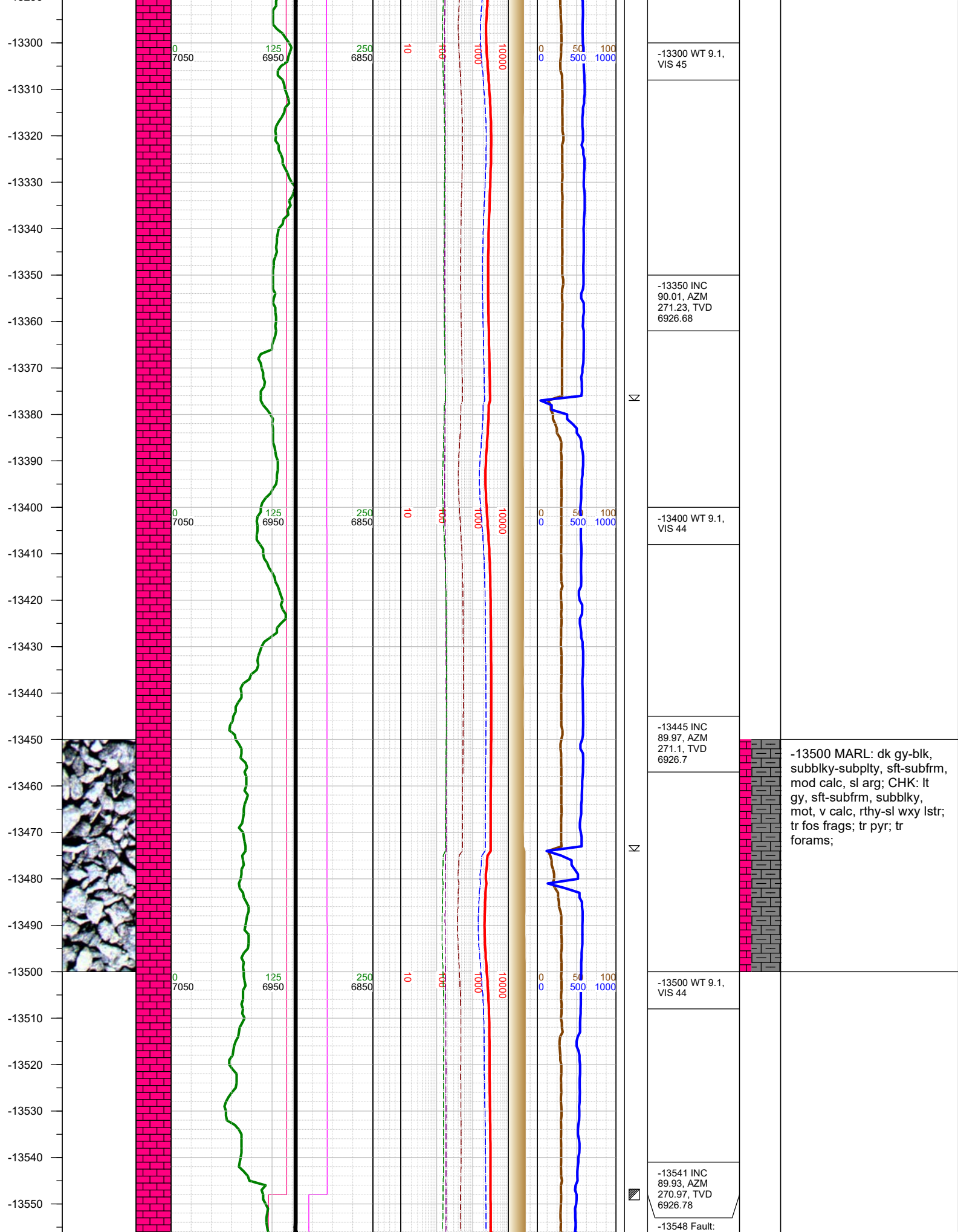


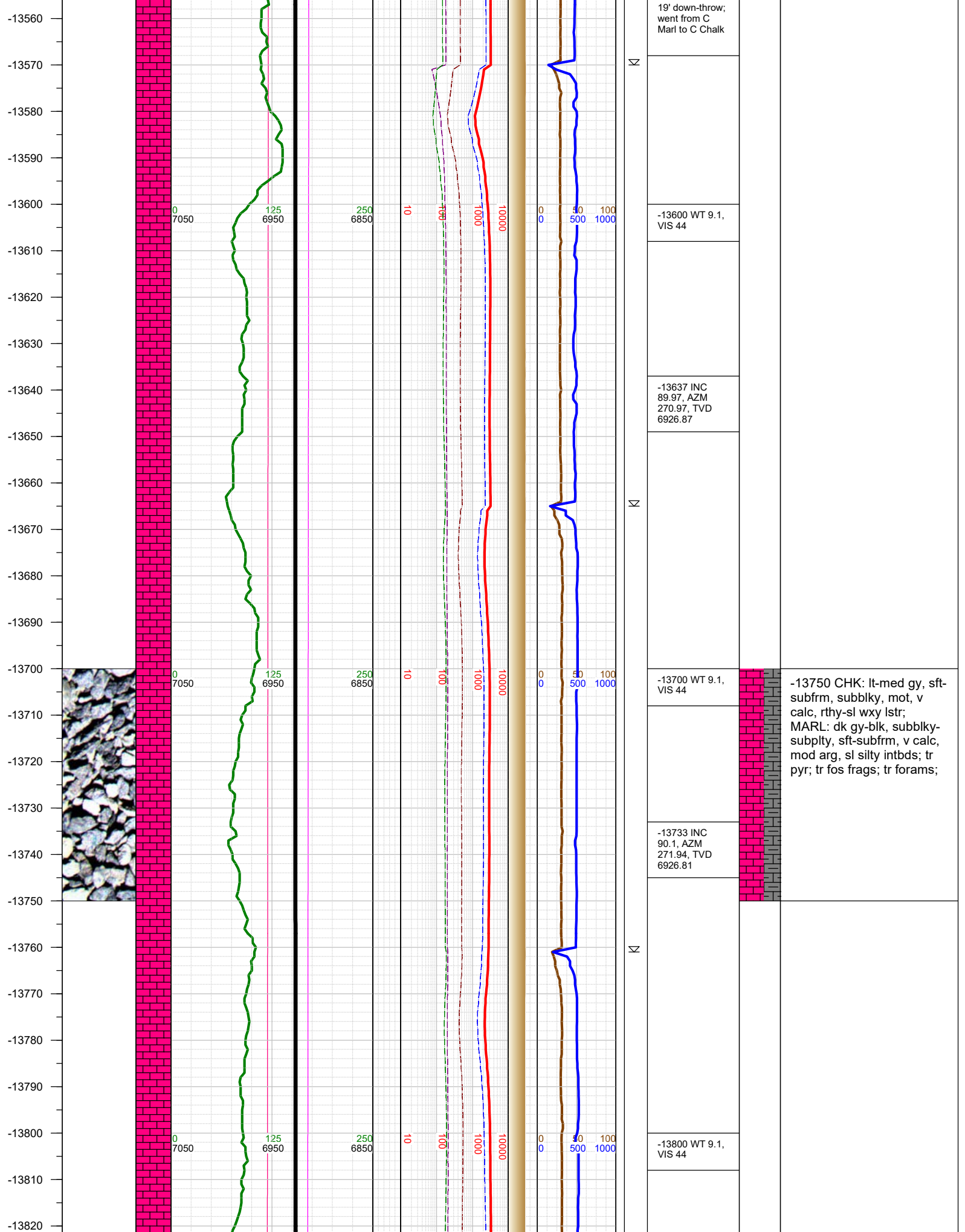


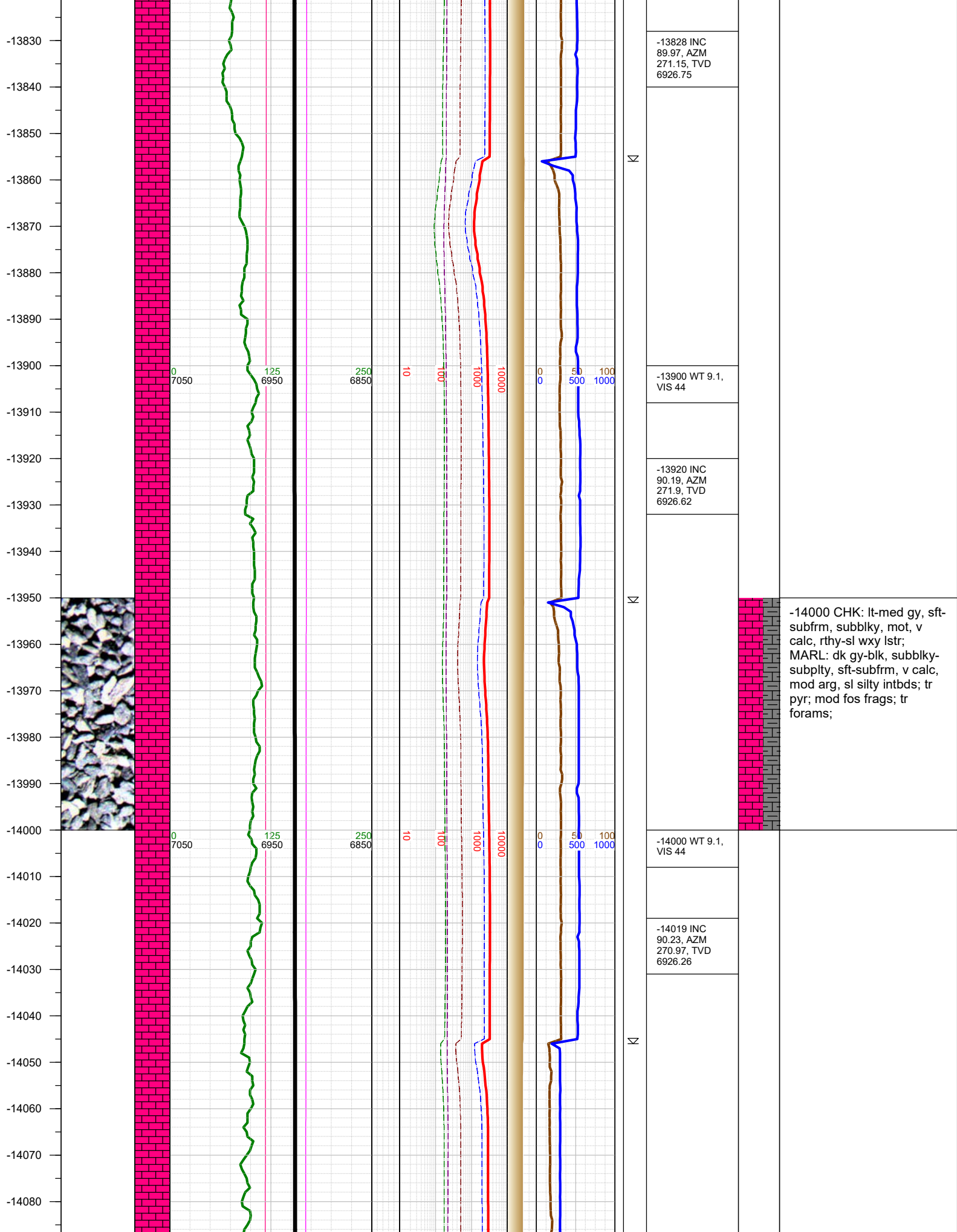
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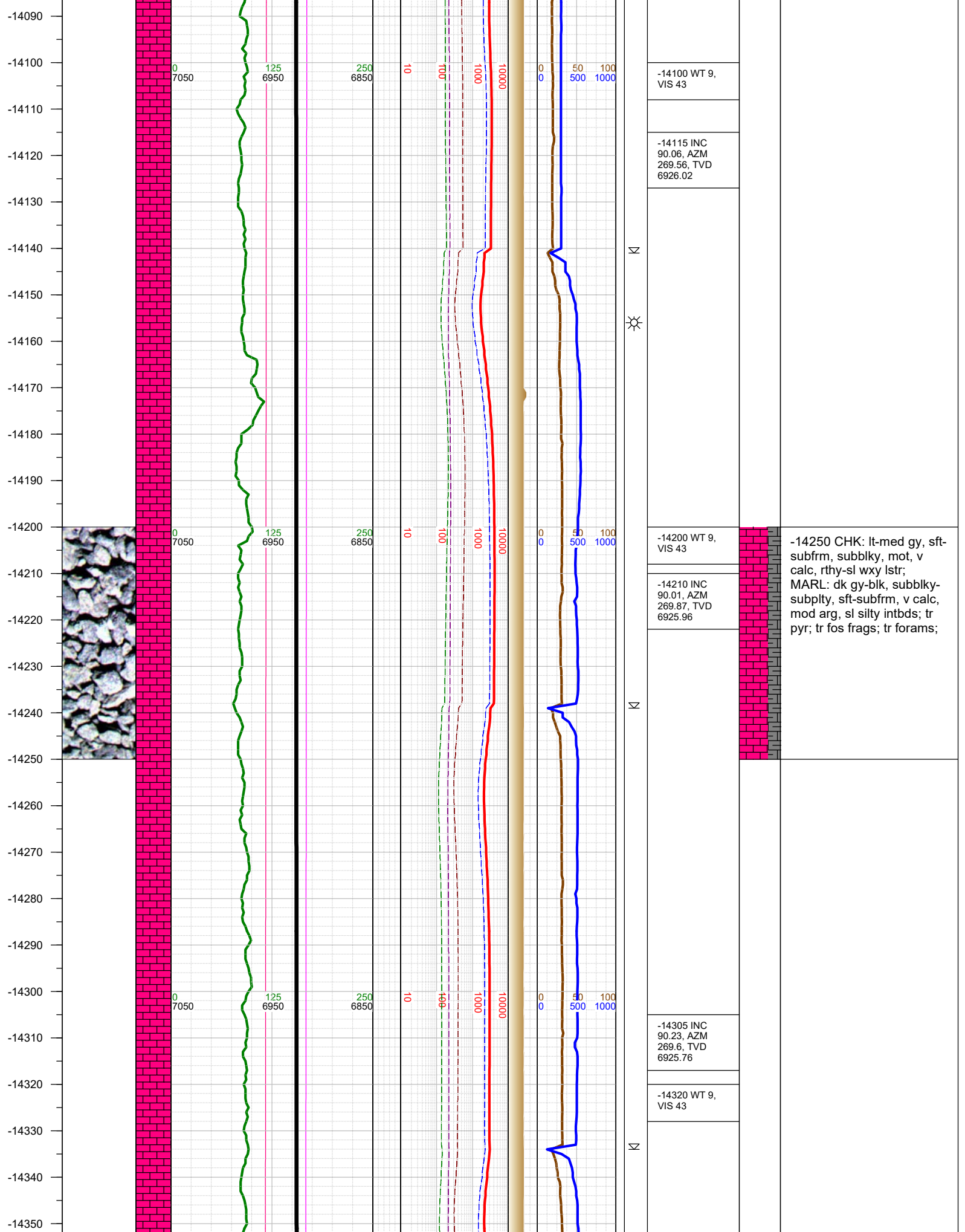


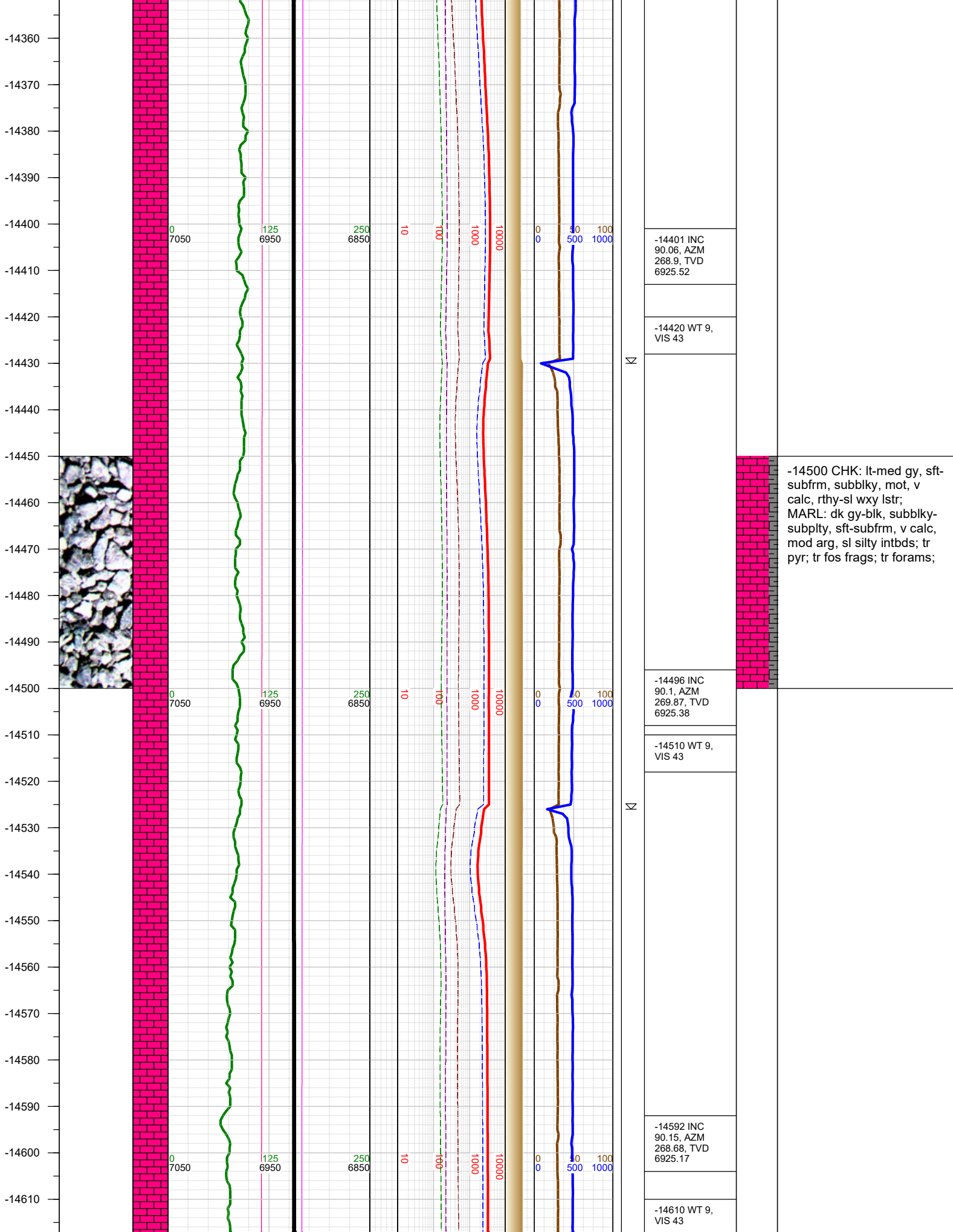
N	-13063 INC 90.19, AZM 271.98, TVD 6927.63	
N	-13100 WT 9.1, VIS 45	
N	-13159 INC 90.28, AZM 271.23, TVD 6927.24	
☀	-13200 WT 9.1, VIS 45	
	-13250 MARL: dk gy-blk, subblky-subplty, sft-subfrm, mod calc, sl arg; CHK: lt gy, sft-subfrm, subblky, mot, v calc, rthy-sl wxy lstr; tr fos frags; tr pyr; tr forams;	
N	-13254 INC 90.19, AZM 271.94, TVD 6926.85	

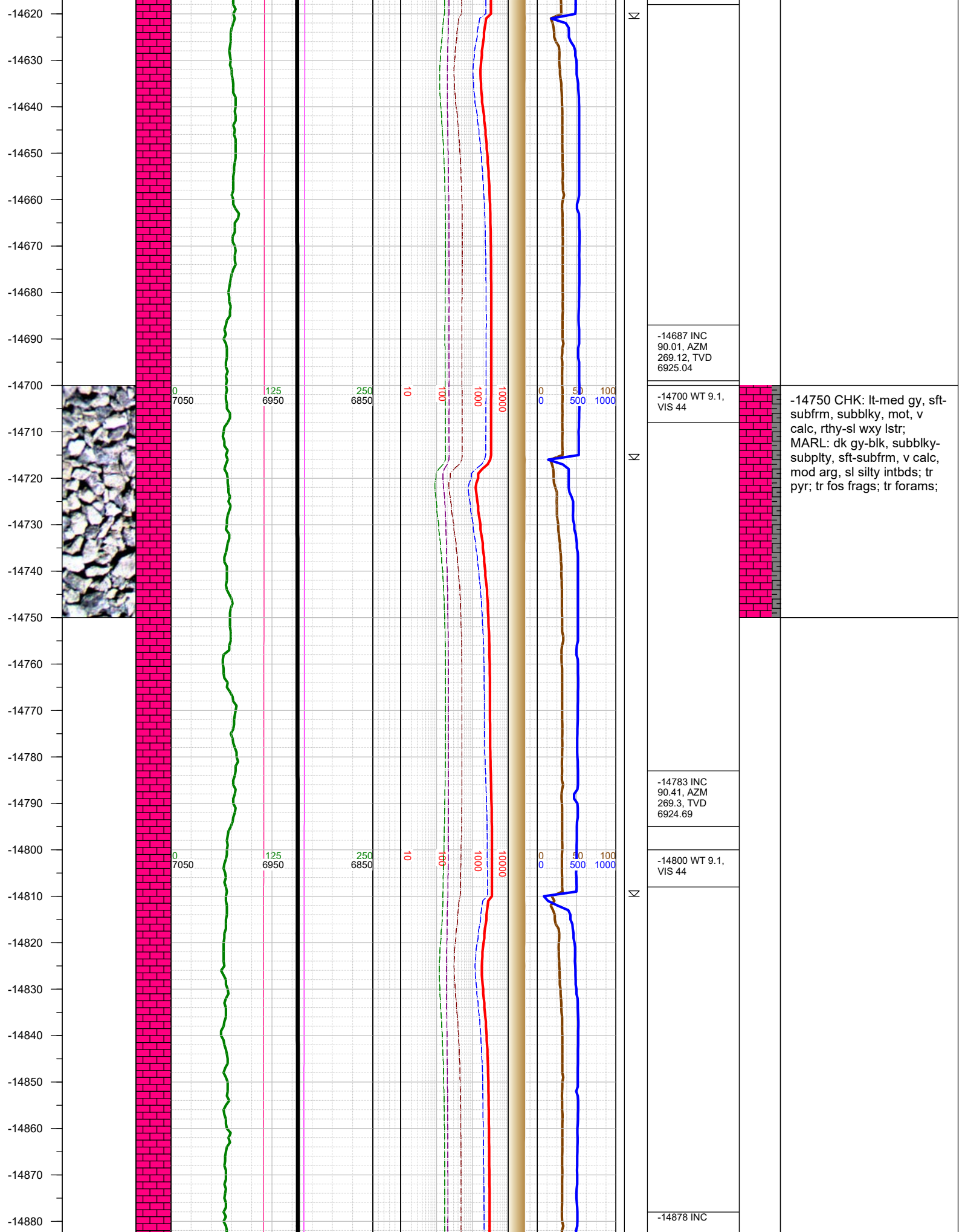


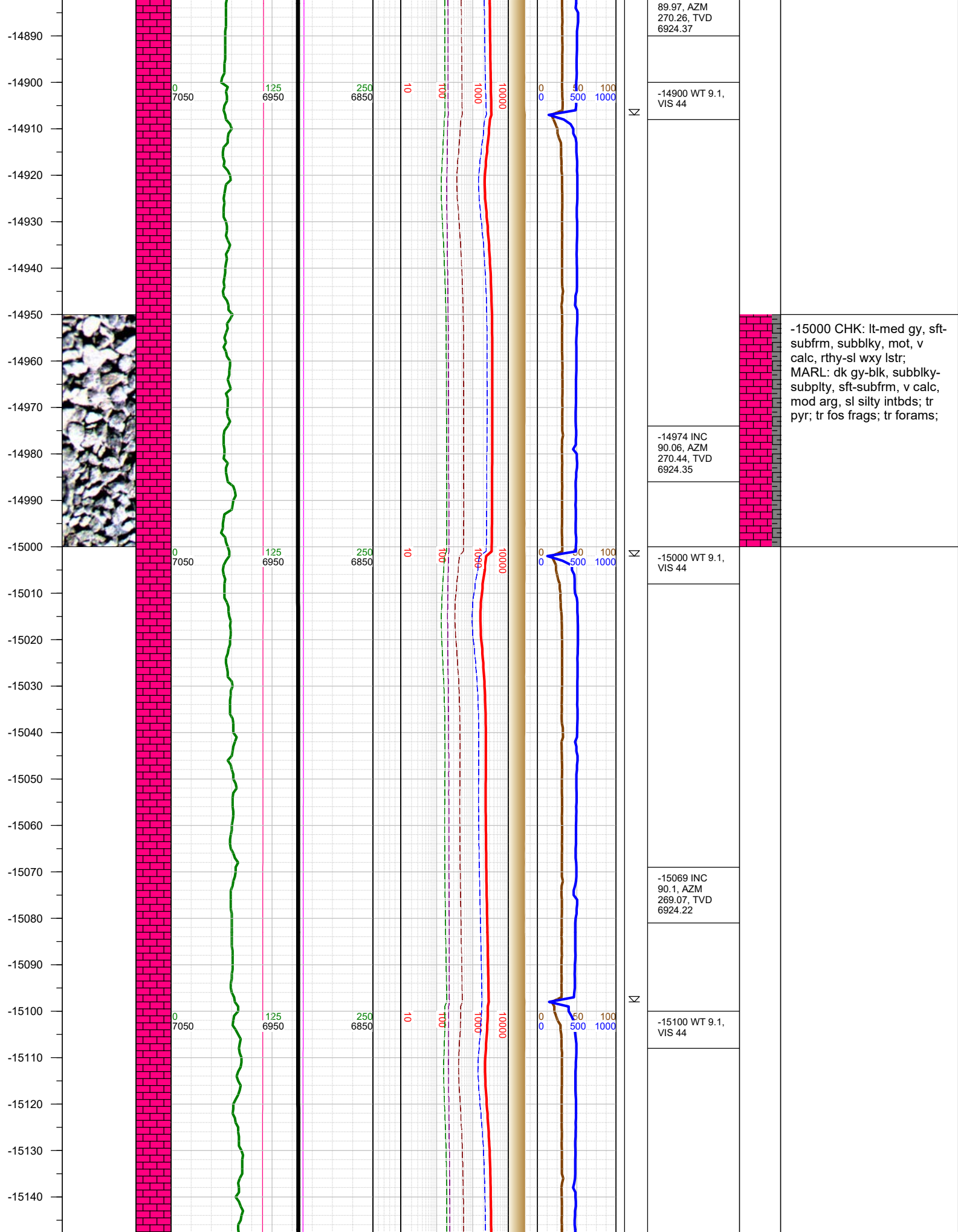


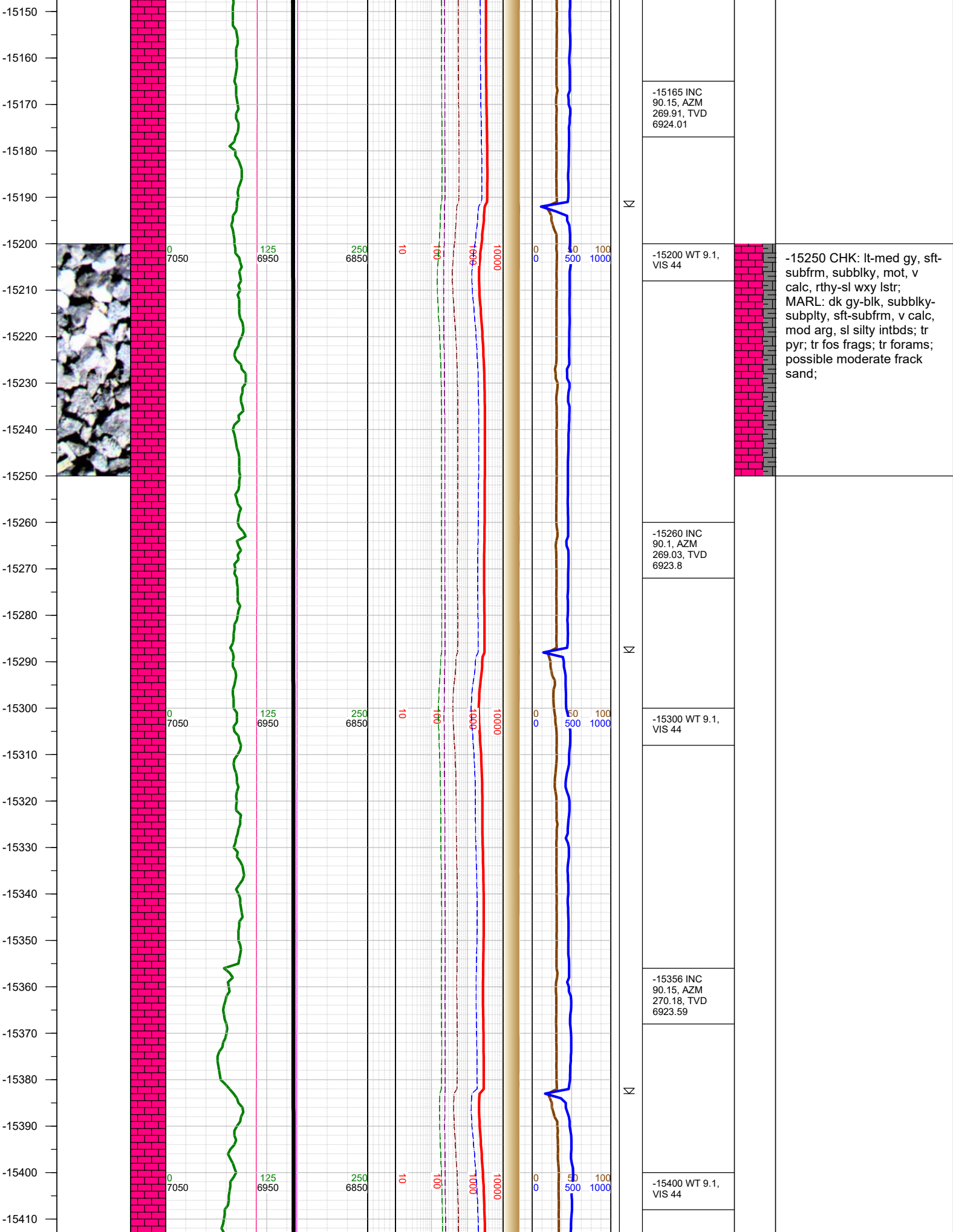


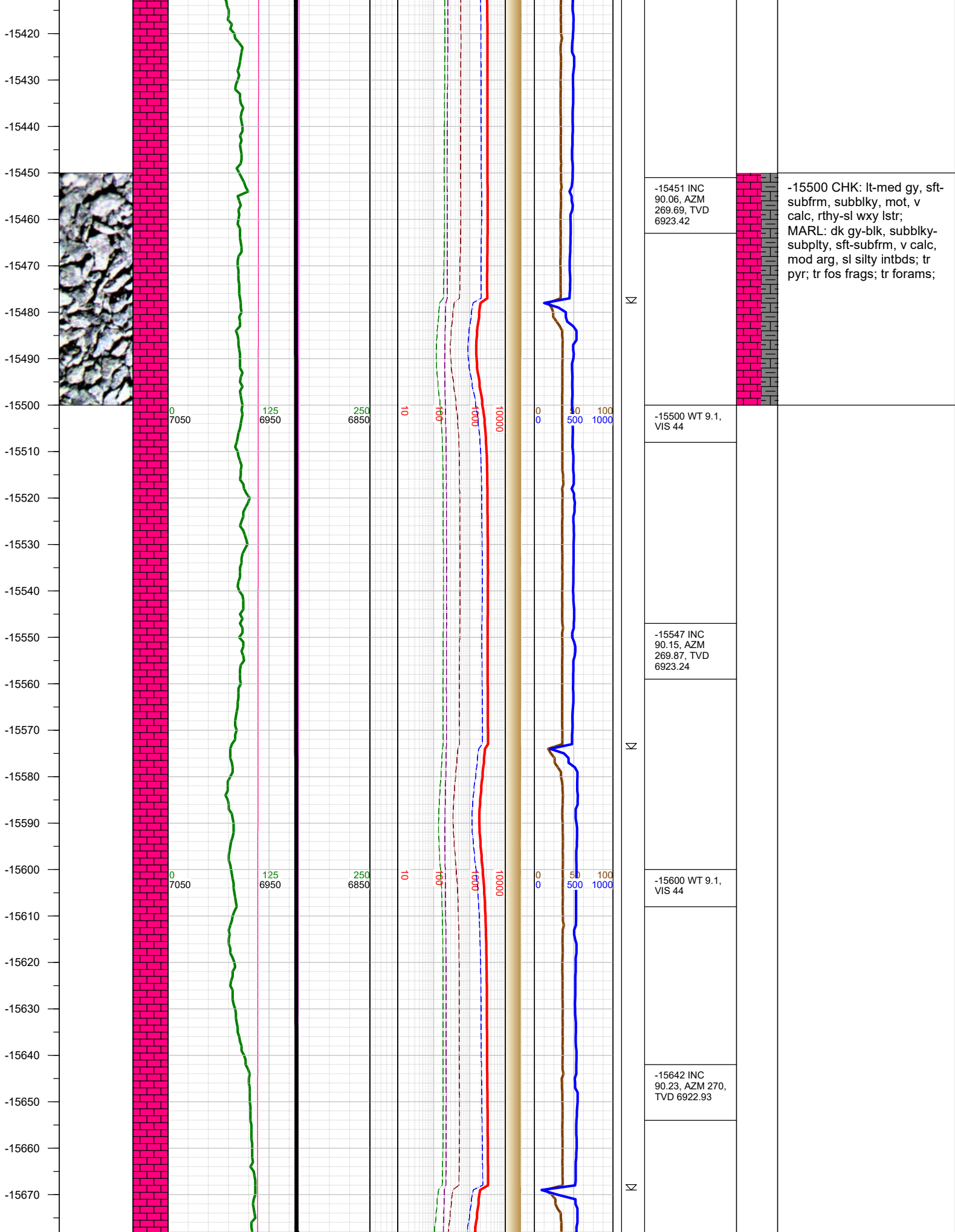


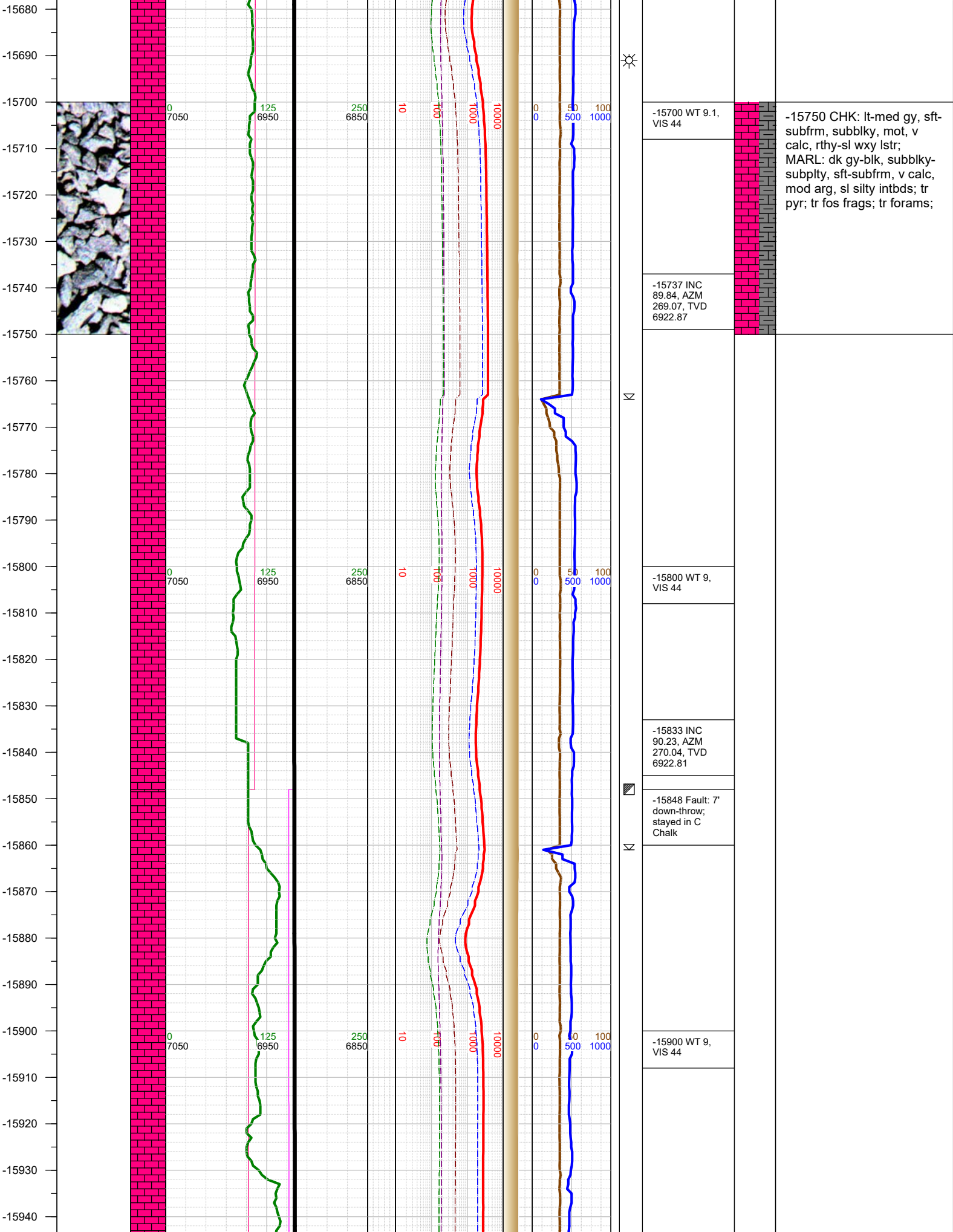


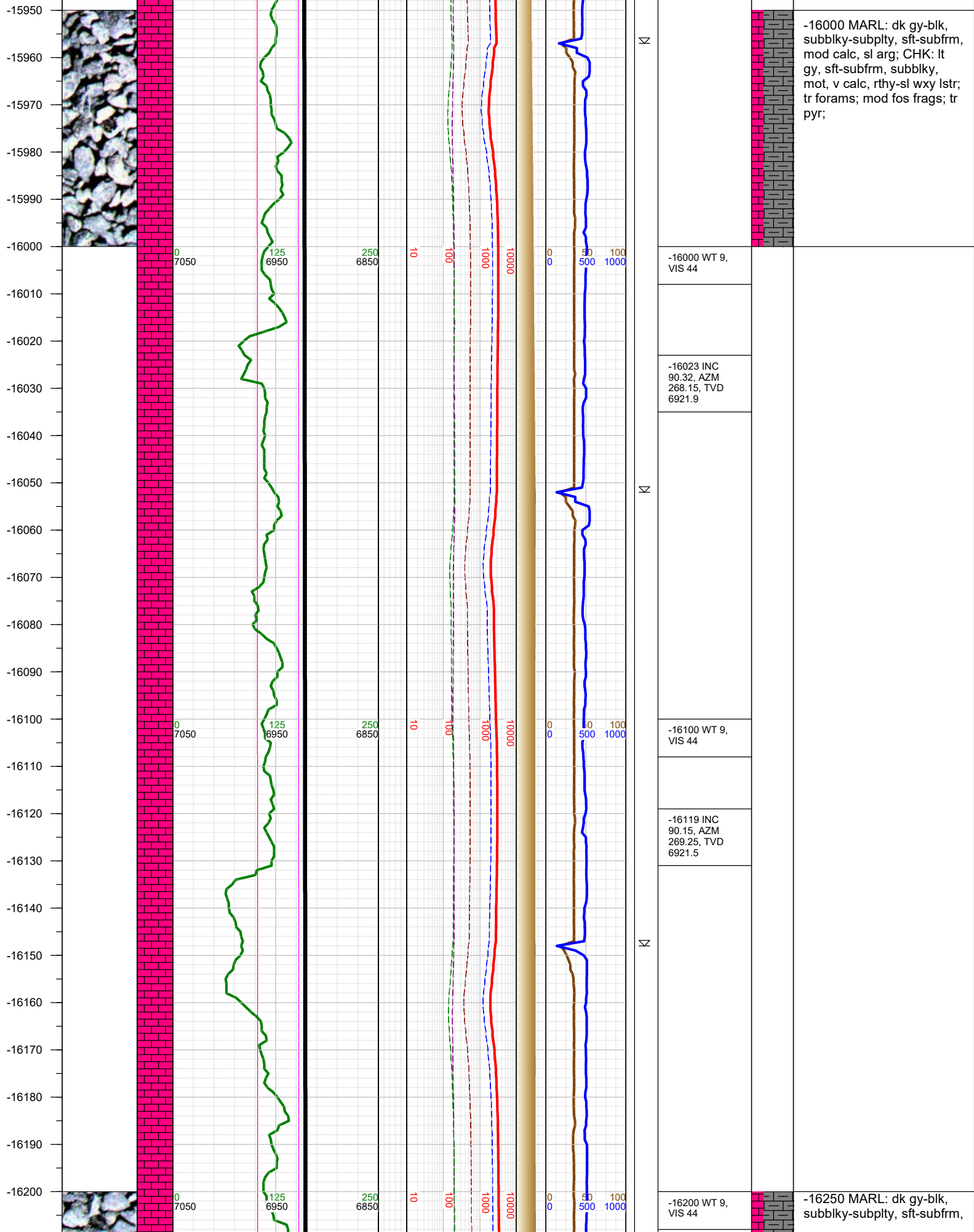


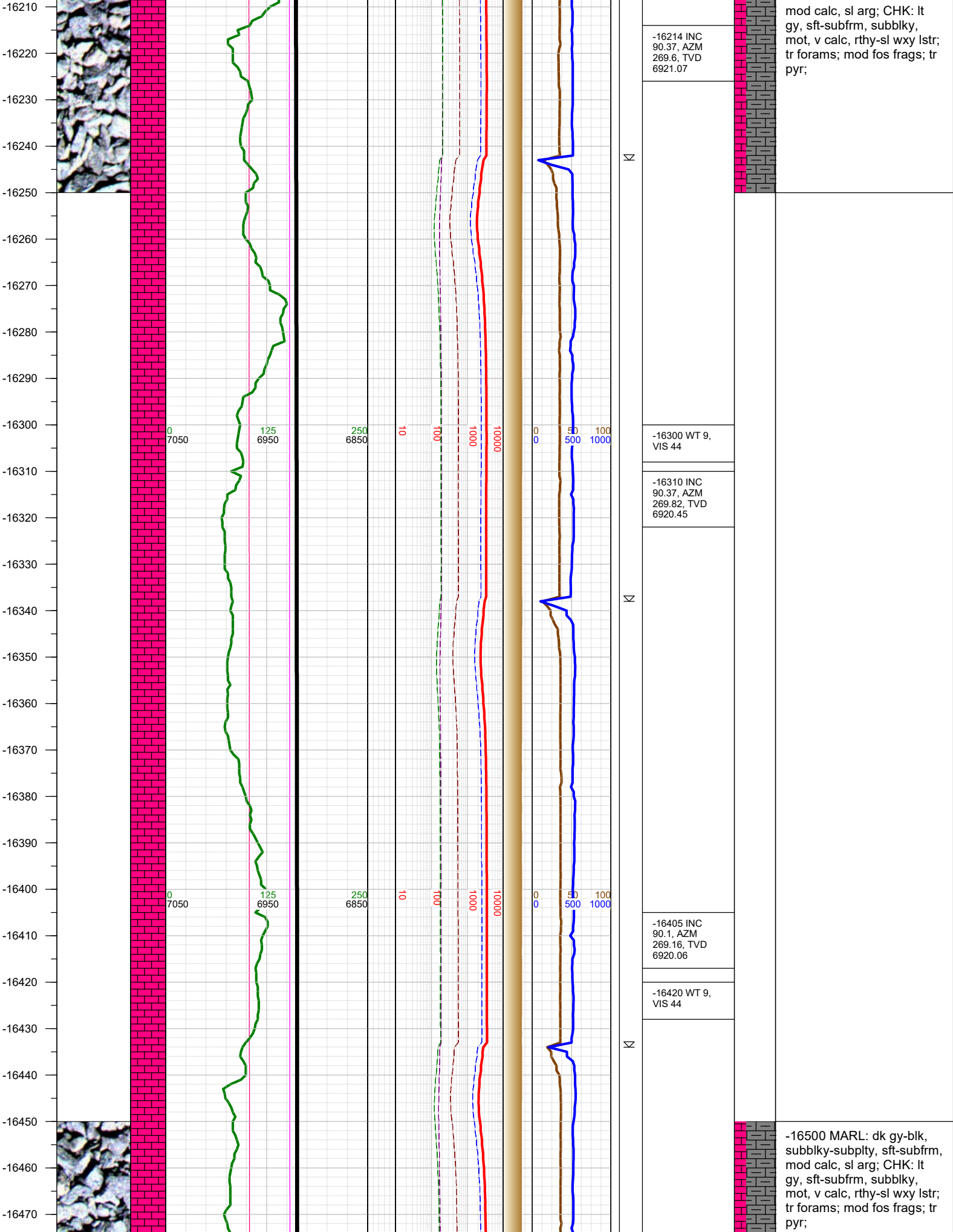




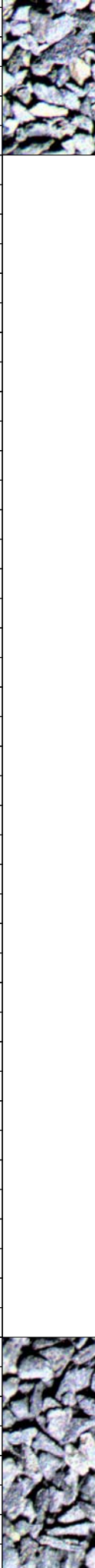








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-16680
-16690
-16700
-16710
-16720
-16730



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7050

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6950

250
6850

10

100

1000

10000

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0

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100

-16501 INC
90.15, AZM
270.44, TVD
6919.85

-16520 WT 9,
VIS 44

N

☀

-16596 INC
90.15, AZM
269.96, TVD
6919.6

-16603 Fault:
20' down-throw;
went from C
Chalk to B Marl

N

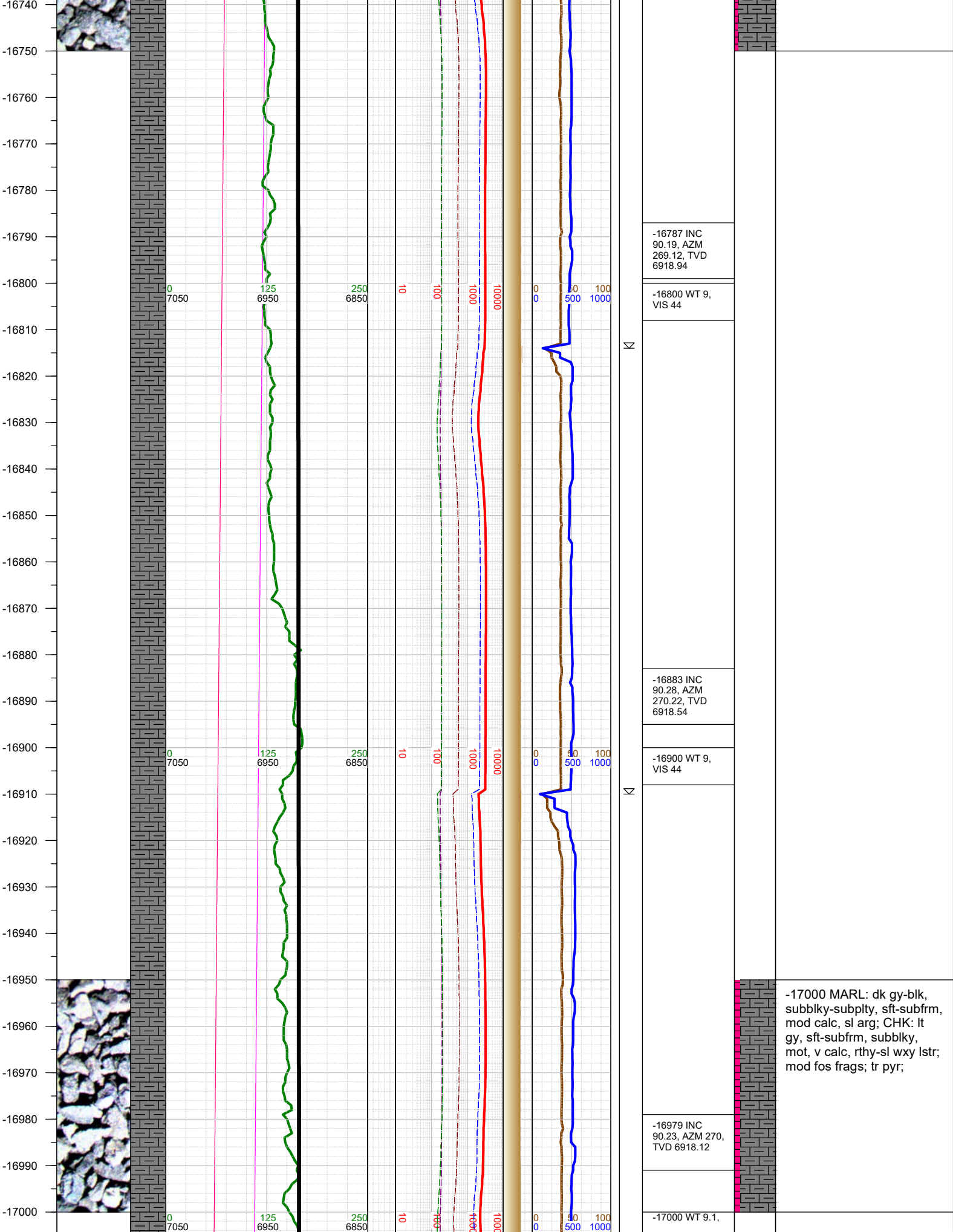
-16630 WT 9,
VIS 44

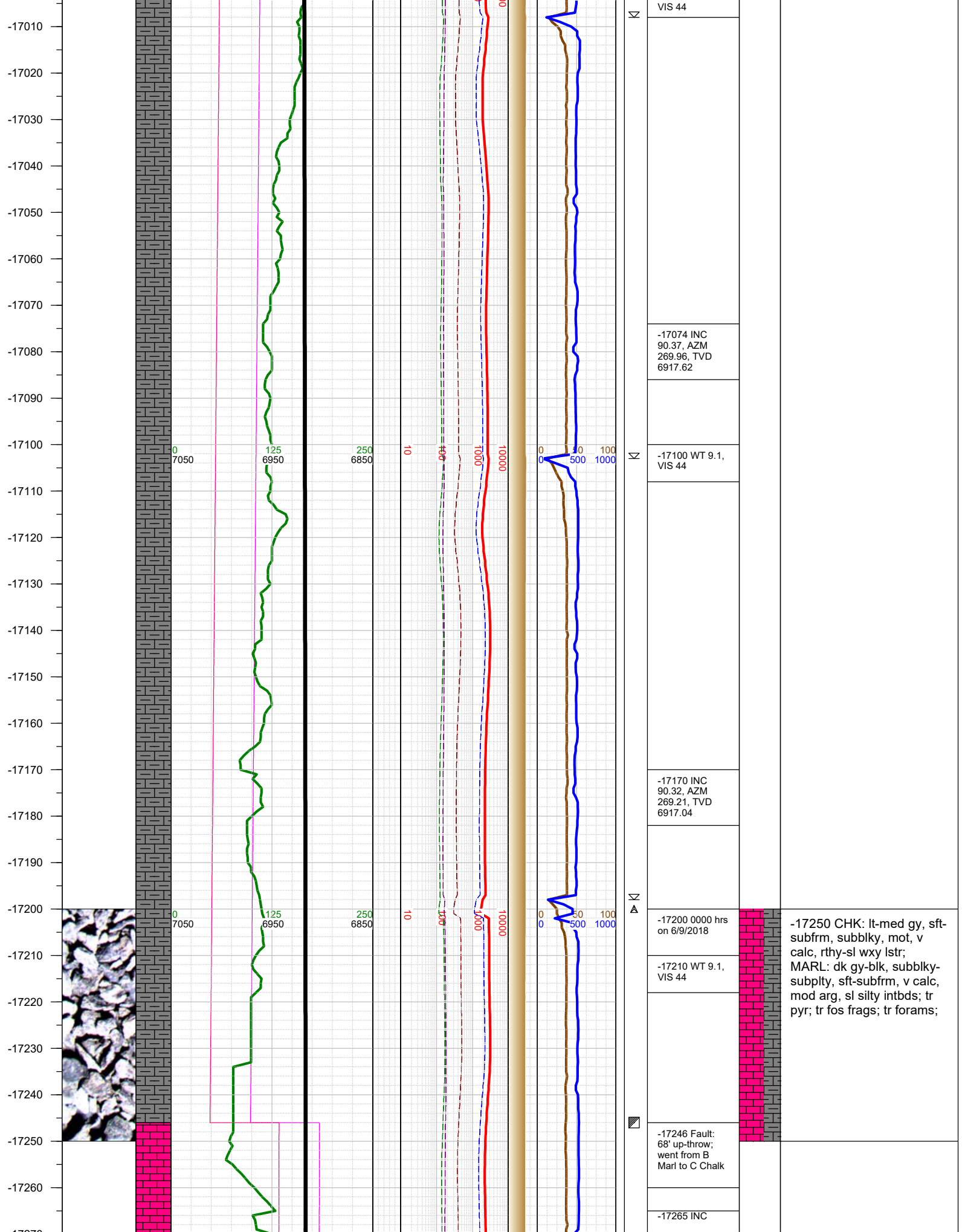
-16692 INC
90.23, AZM 270,
TVD 6919.29

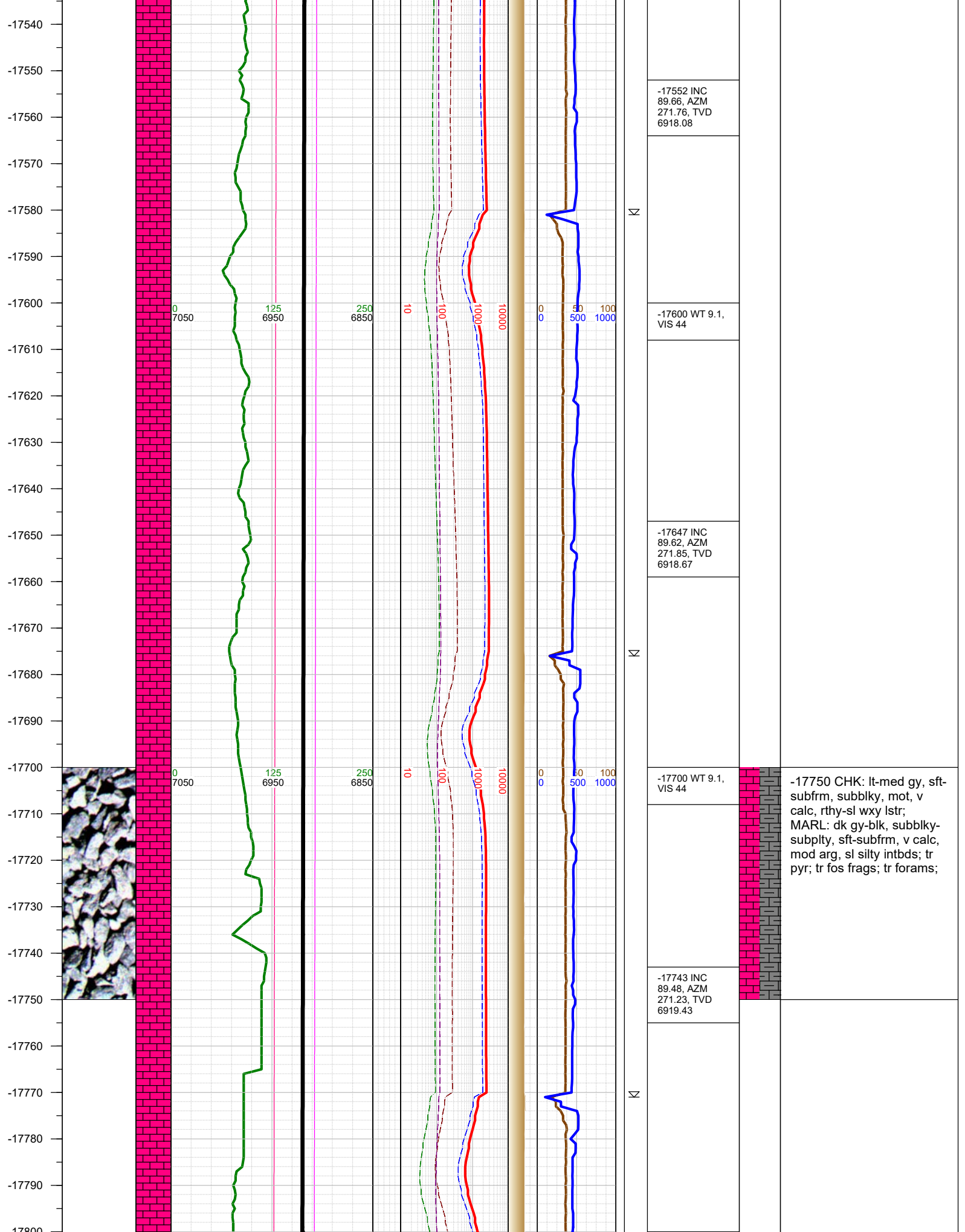
-16710 WT 9,
VIS 44

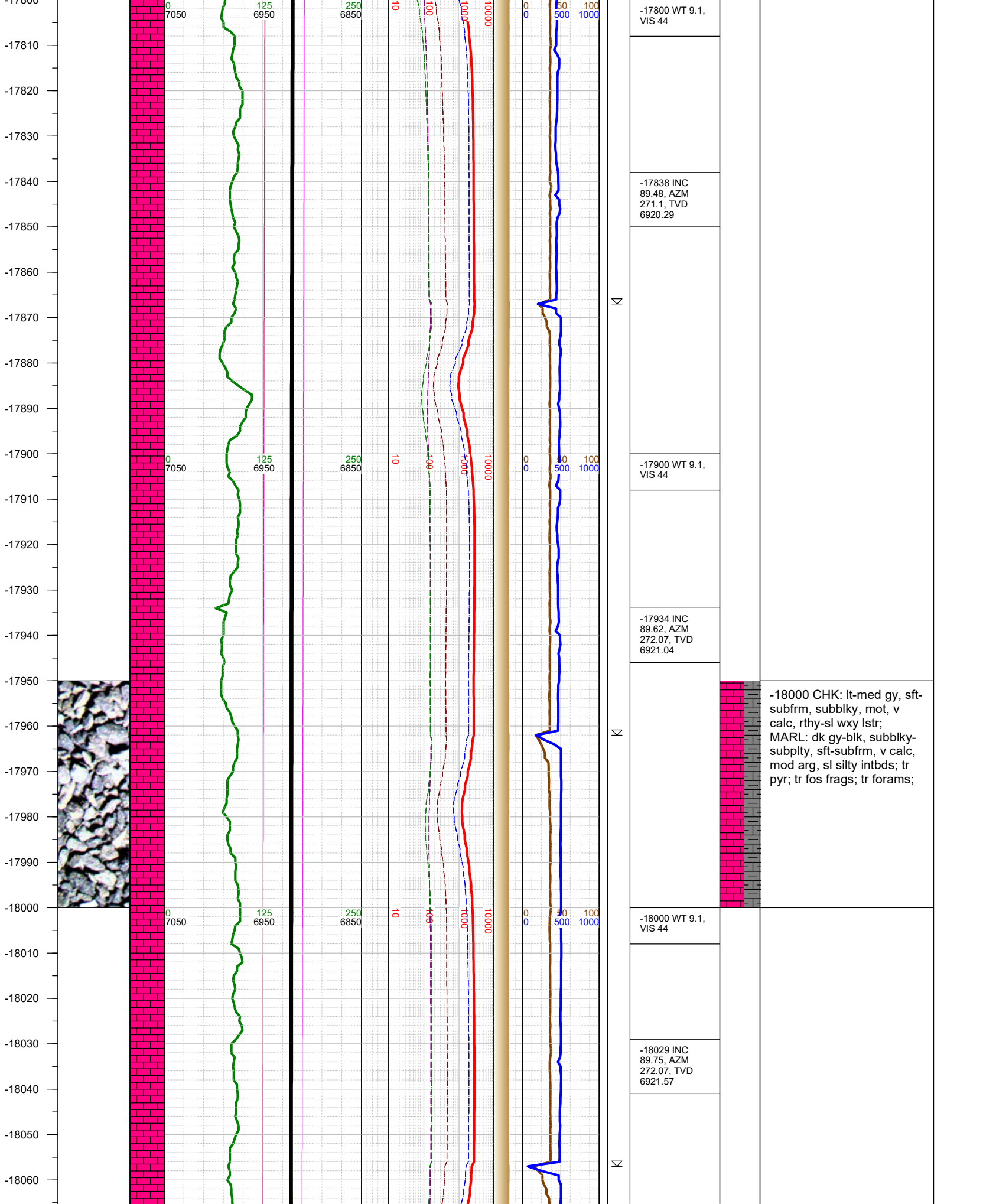
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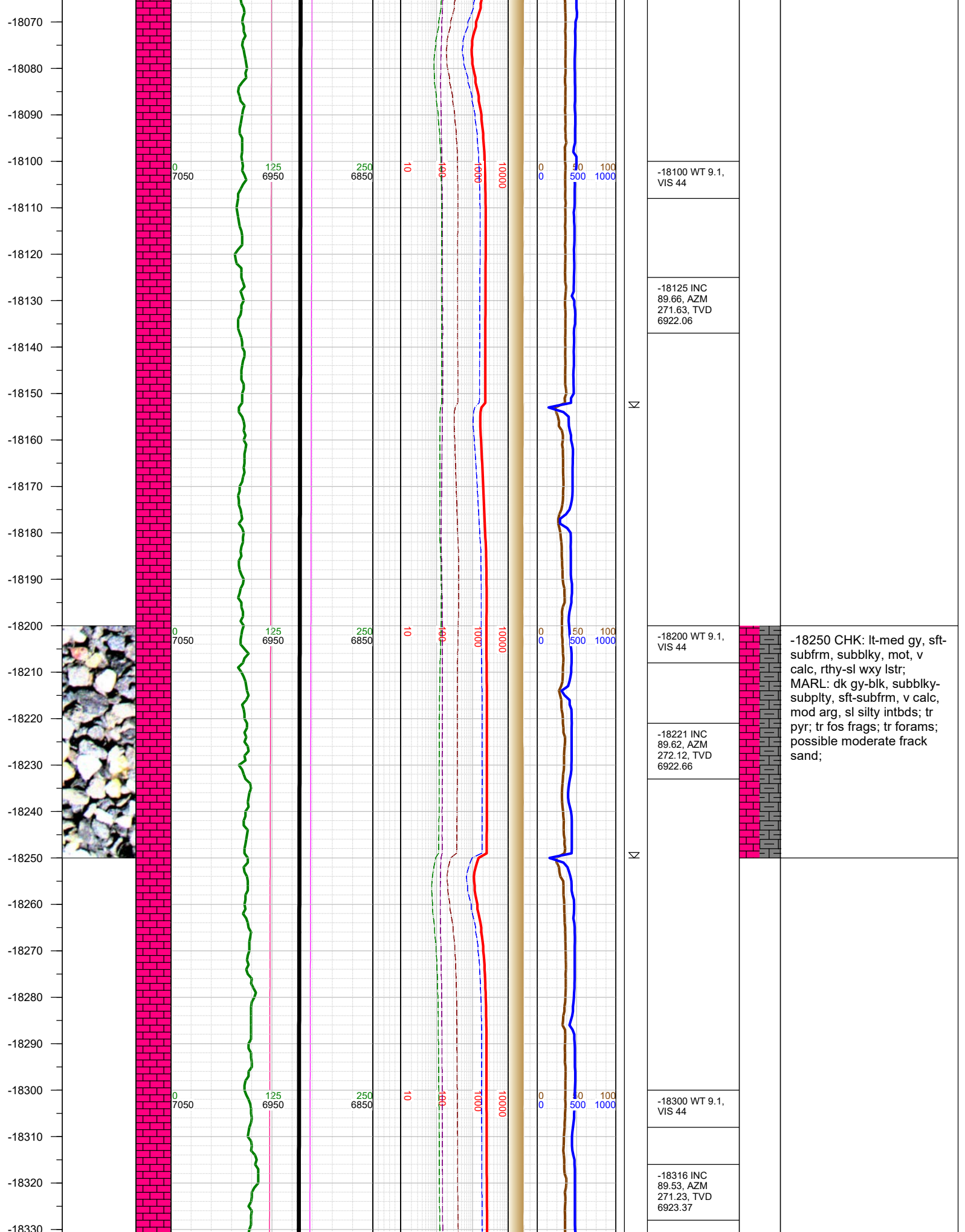
-16750 MARL: dk gy-blk,
subblky-subplty, sft-subfrm,
mod calc, sl arg; CHK: lt
gy, sft-subfrm, subblky,
mot, v calc, rthy-sl wxy lstr;
mod fos frags; tr pyr;

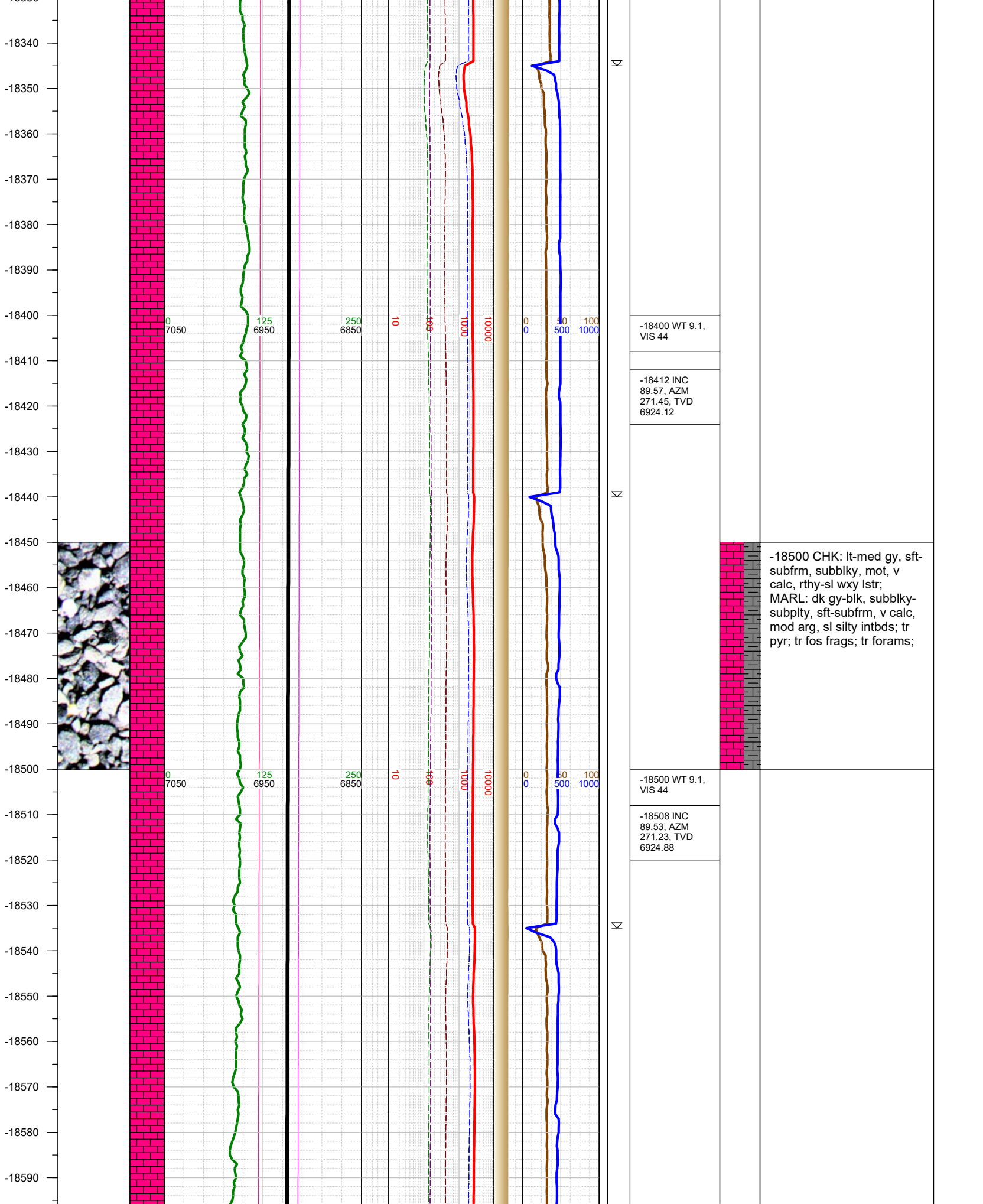


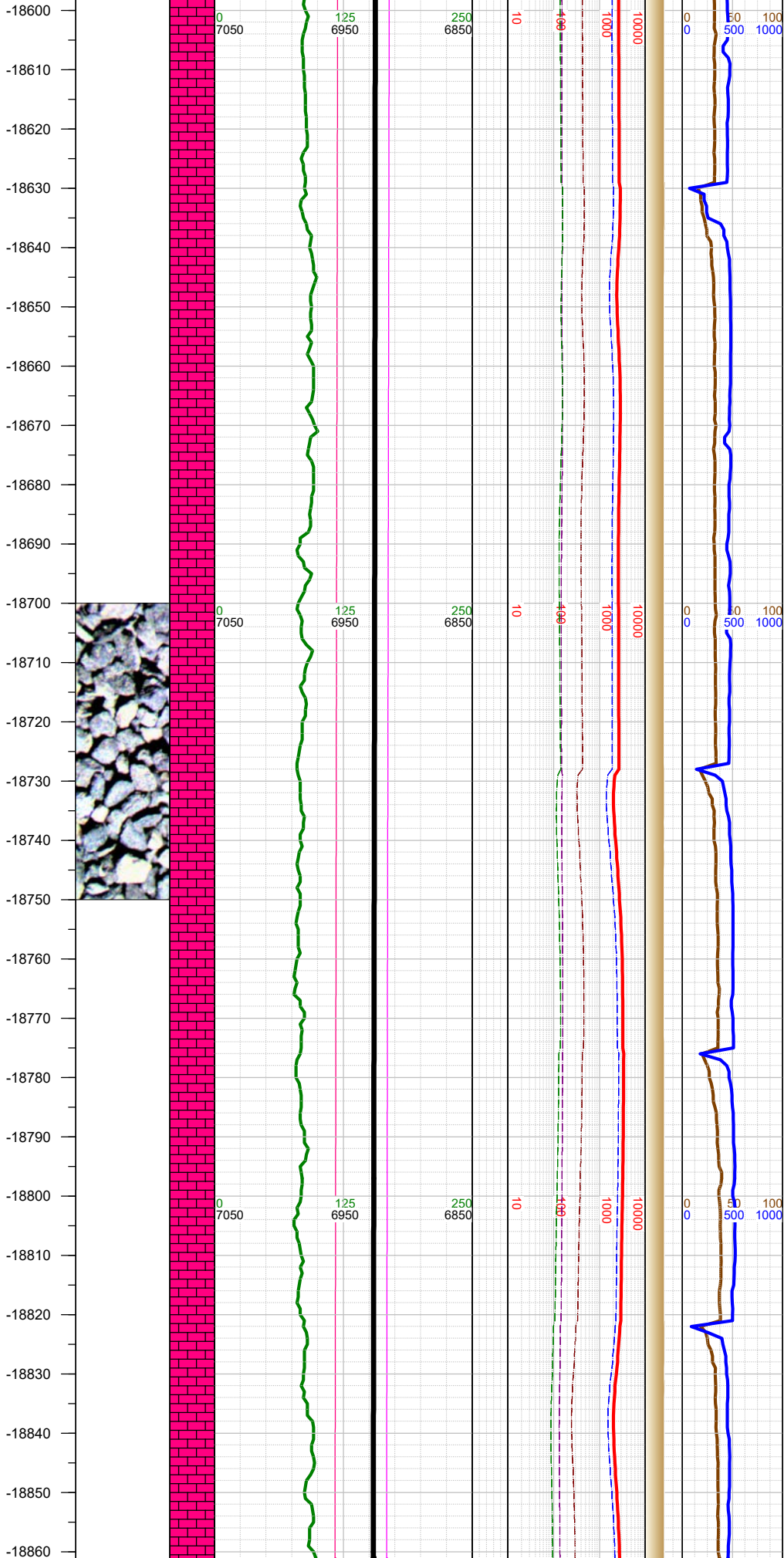












-18603 INC
89.84, AZM
271.63, TVD
6925.4

-18620 WT 9.1,
VIS 44

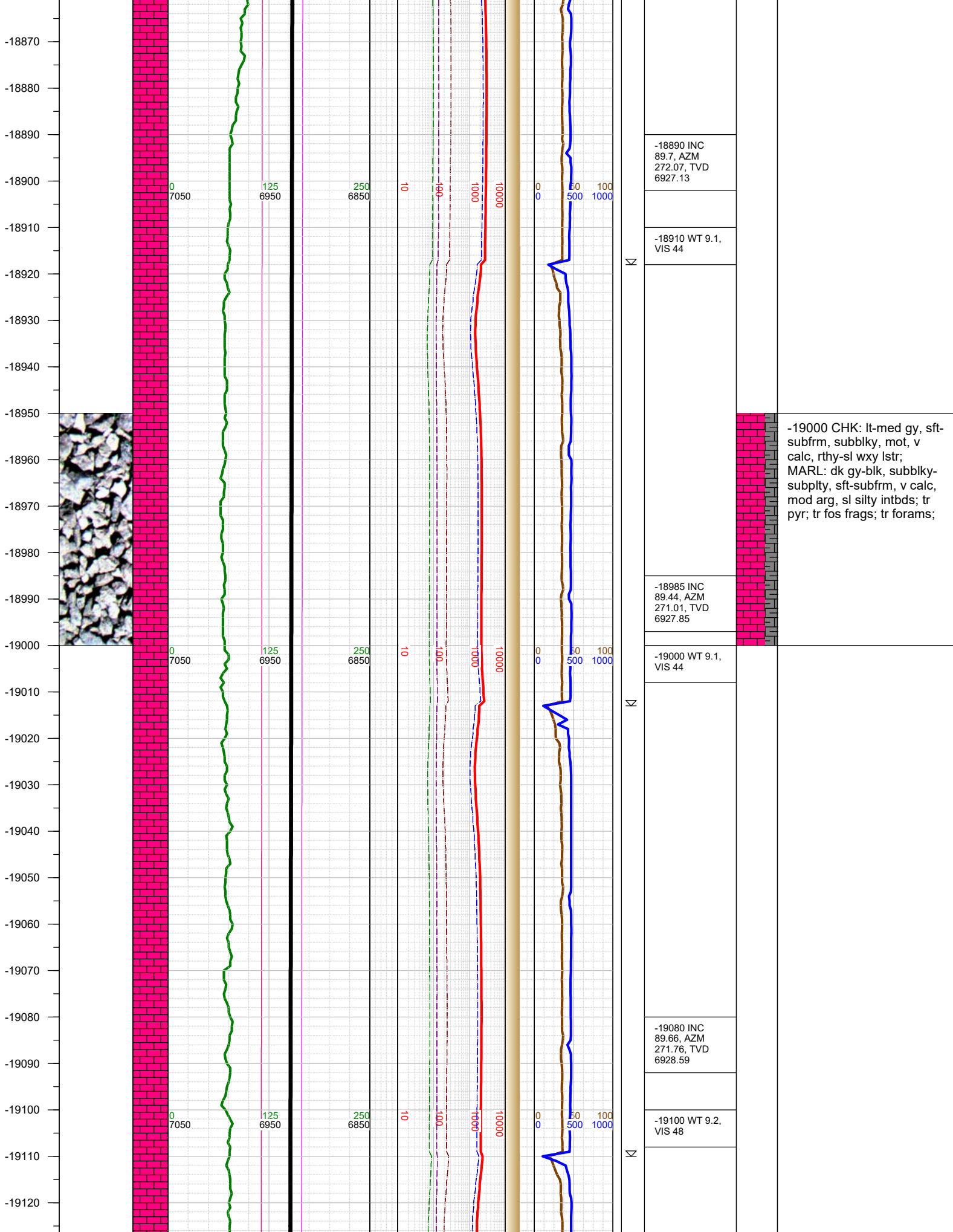
-18699 INC
89.62, AZM
271.45, TVD
6925.85

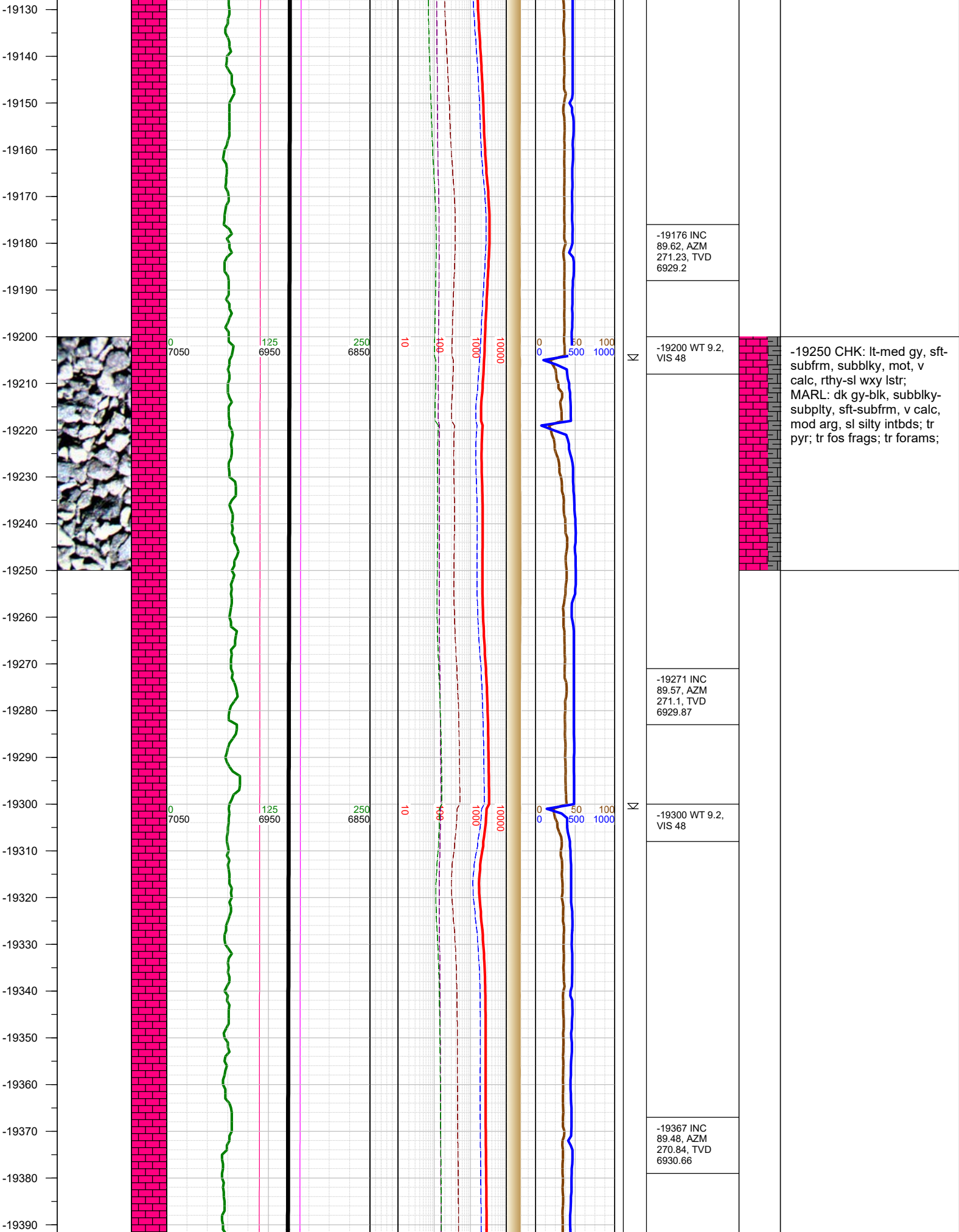
-18720 WT 9.1,
VIS 44

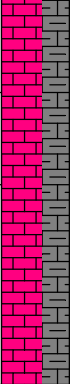
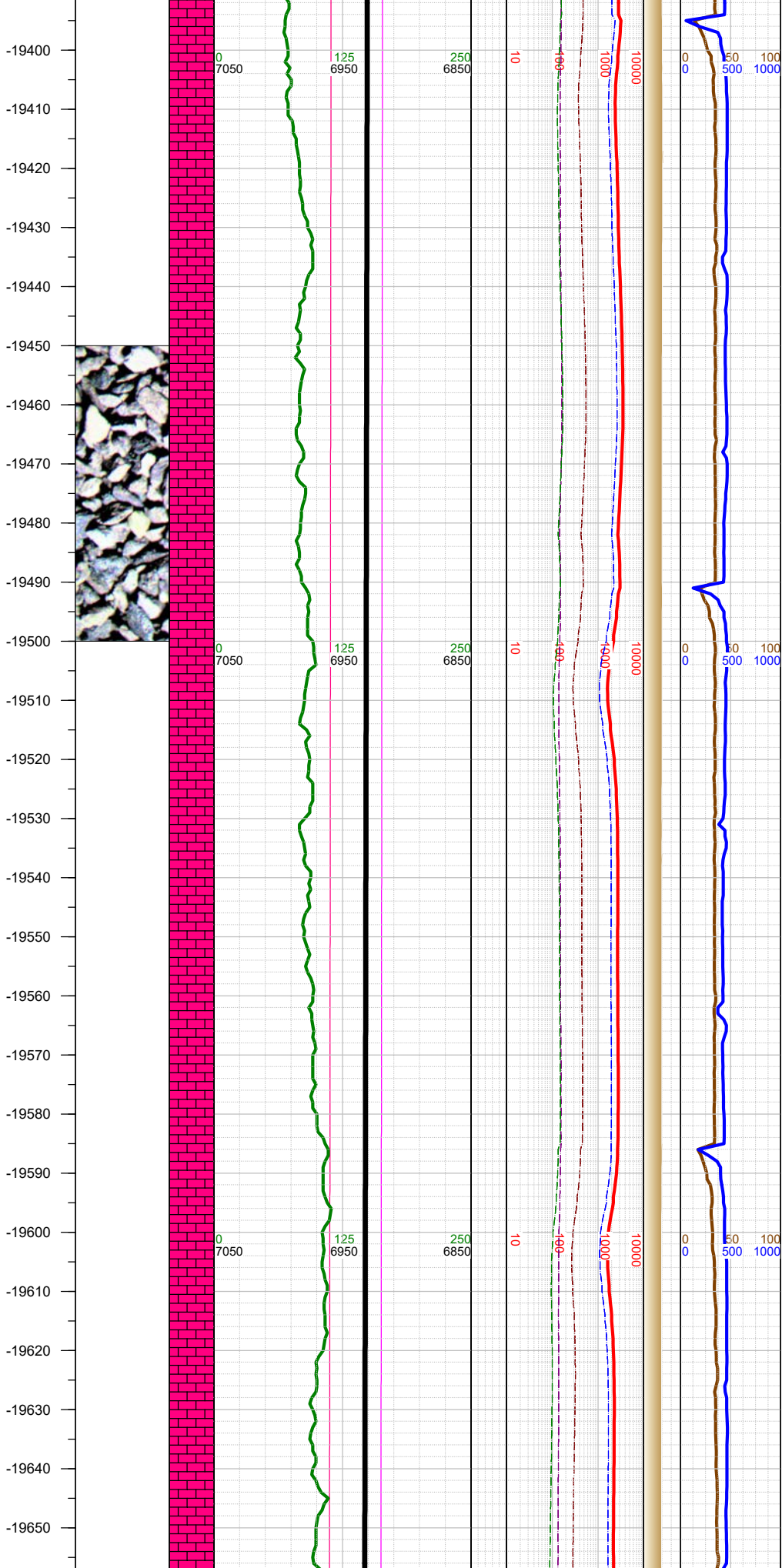
-18794 INC
89.57, AZM
271.59, TVD
6926.52

-18810 WT 9.1,
VIS 44

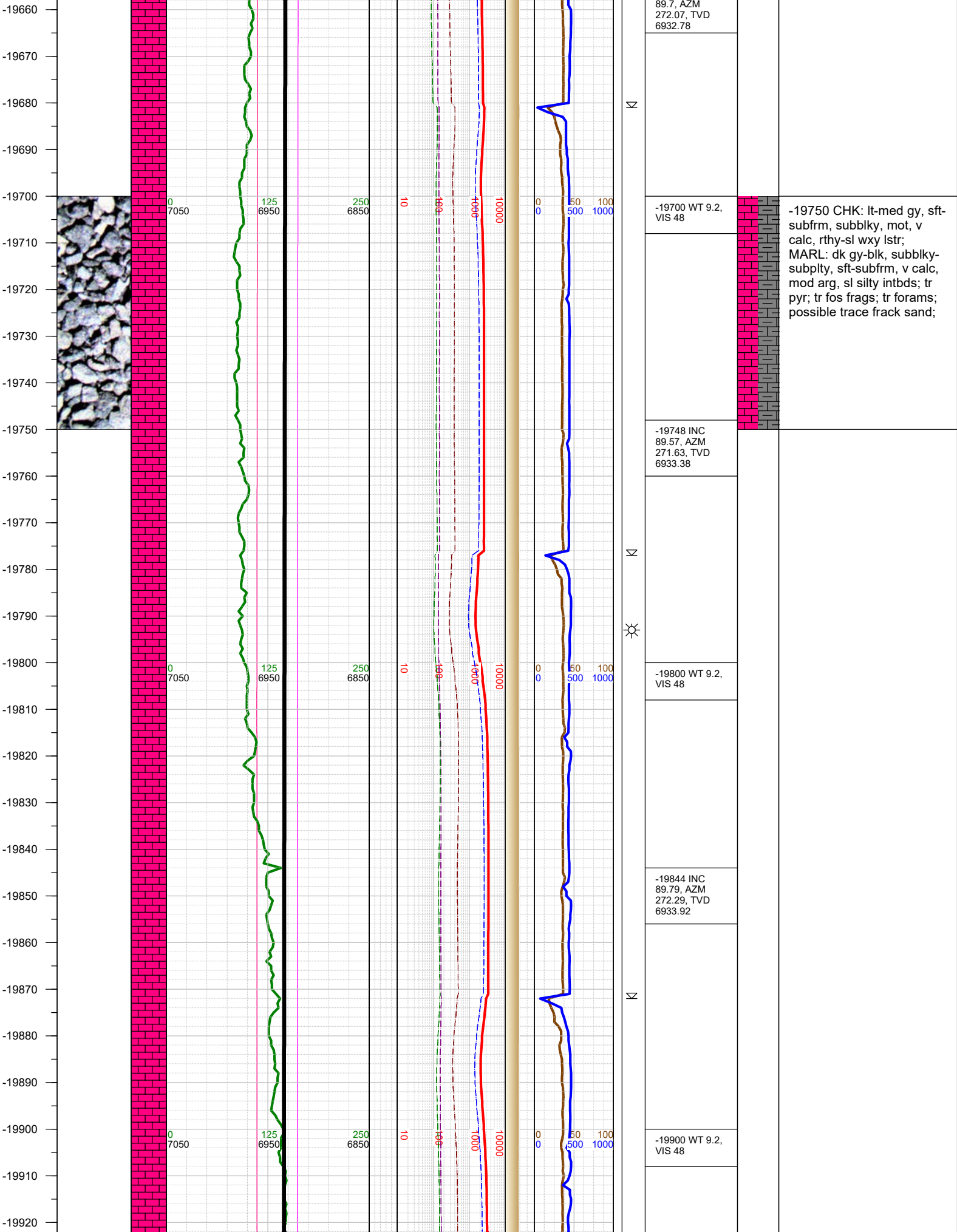
-18750 CHK: lt-med gy, sft-
subfrm, subblky, mot, v
calc, rthy-sl wxy lstr;
MARL: dk gy-blk, subblky-
subply, sft-subfrm, v calc,
mod arg, sl silty intbds; tr
pyr; mod fos frags; tr
forams;



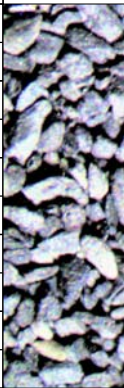




-19500 CHK: lt-med gy, sft-subfrm, subblky, mot, v calc, rthy-sl wxy lstr; MARL: dk gy-blk, subblky-subplty, sft-subfrm, v calc, mod arg, sl silty intbds; tr pyr; tr fos frags; tr forams; possible trace frack sand;



-19930
-19940
-19950
-19960
-19970
-19980
-19990
-20000
-20010
-20020
-20030
-20040
-20050
-20060
-20070
-20080
-20090
-20100
-20110
-20120
-20130
-20140
-20150
-20160
-20170
-20180



0
7050

125
6950

250
6850

10

100

1000

10000

0
0

50

100

1000

-20000 WT 9.2,
VIS 48

-20034 INC
89.66, AZM
271.9, TVD
6934.79

-20100 WT 9.1,
VIS 48

-20129 INC
89.62, AZM
271.28, TVD
6935.39

-20000 MARL: dk gy-blk,
subblky-subplty, sft-subfrm,
mod calc, sl arg; CHK: lt
gy, sft-subfrm, subblky,
mot, v calc, rthy-sl wxy lstr;
tr fos frags; tr pyr; tr bent;

