

OPERATOR: Bayswater E&P, LLC

WELL NAME: Onyx Federal 2

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Ensign 153

API #: 05-123-52198

LAT/LONG: 40.551861, -104.753296  
SURFACE HOLE: NWNW S26-T7N-R66W, 551' FNL, 269' FWL  
BOTTOM HOLE: S30-T7N-R65W, 590' FNL, 150' FEL

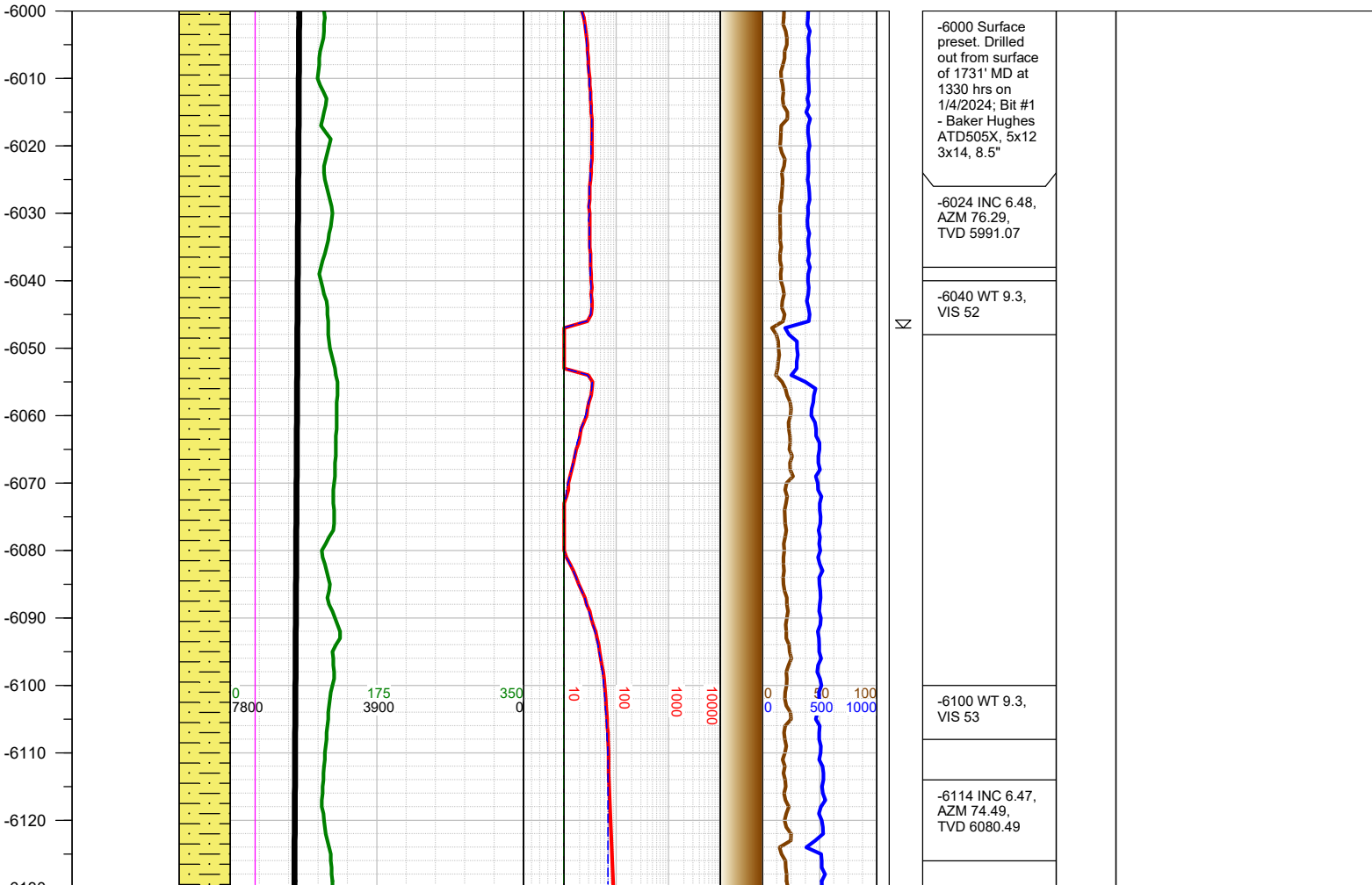
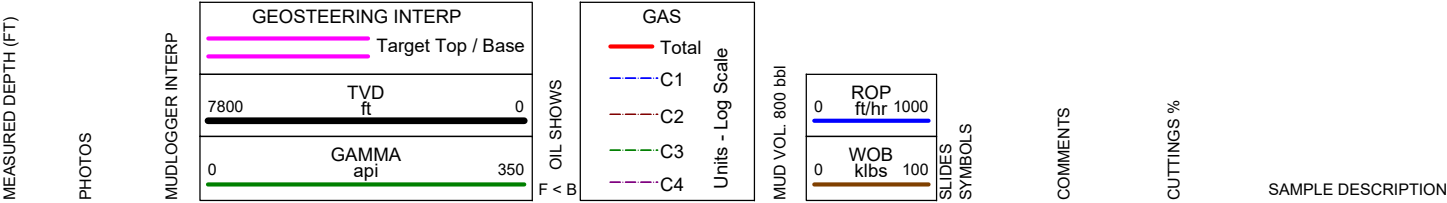


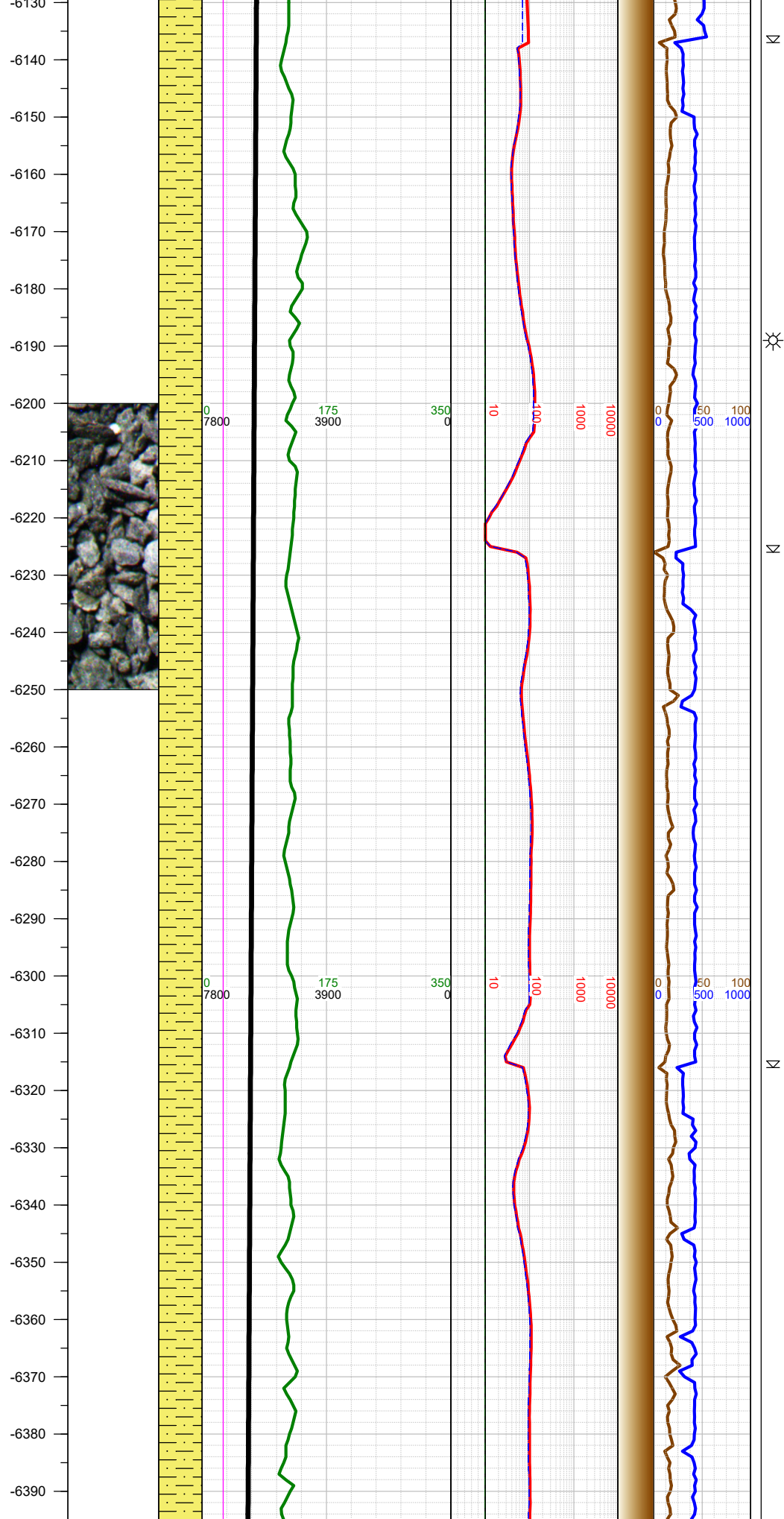
COUNTY: Weld  
STATE: Colorado  
GROUND ELEVATION: 4896'  
KELLY BUSHING: 4919'  
DRILLING FLUID: OBM  
TVD VS. MD: 7133' / 22003'  
LOGGING START DATE: January 5, 2024  
TD DATE: January 9, 2024  
  
DEPTHS LOGGED: 6000' - 22003'  
DATES LOGGED: January 4, 2024 - January 9, 2024  
GEOLOGISTS: Joey Luce, Scott Snoy  
SCALE: 5" = 100'

LEGEND

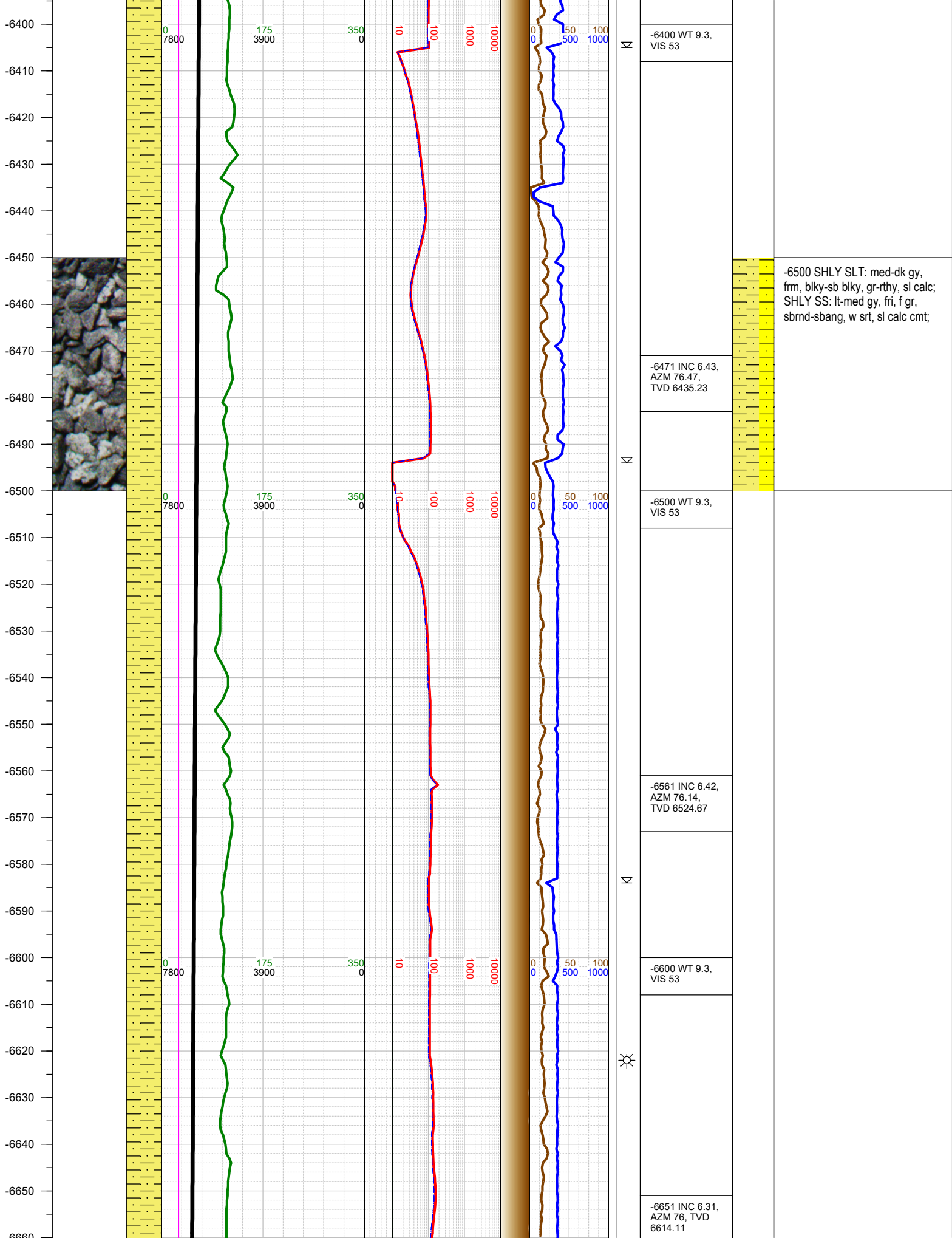
	CHALK		CALC SHALE
	LIMESTONE		SILTY SHALE
	SHALY LIMESTONE		SHALY SILTSTONE
	MARLSTONE		SHALY SANDSTONE
	CALCAREOUS SHALE		SANDSTONE
	DOLOMITE		ANHYDRITE

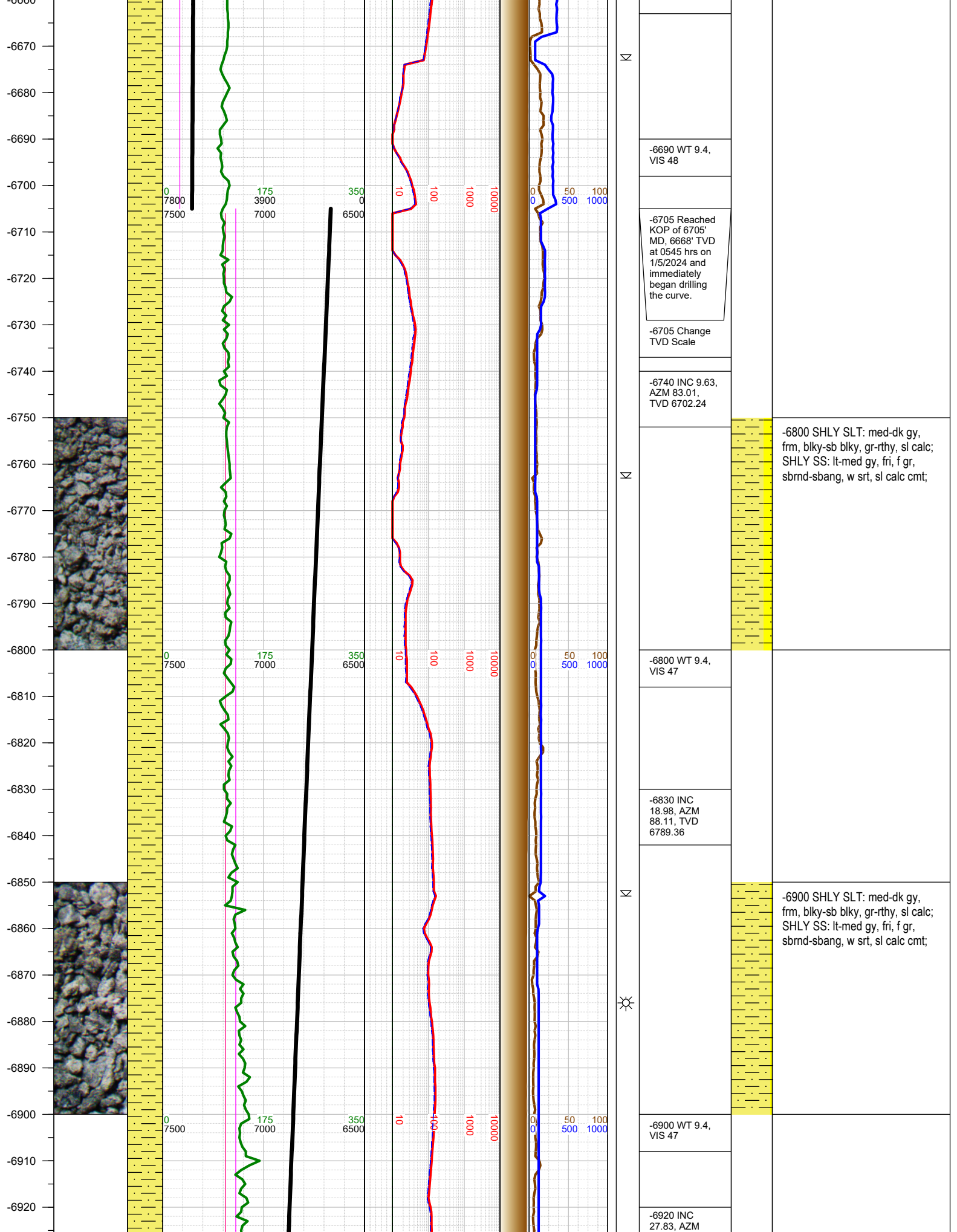
FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT



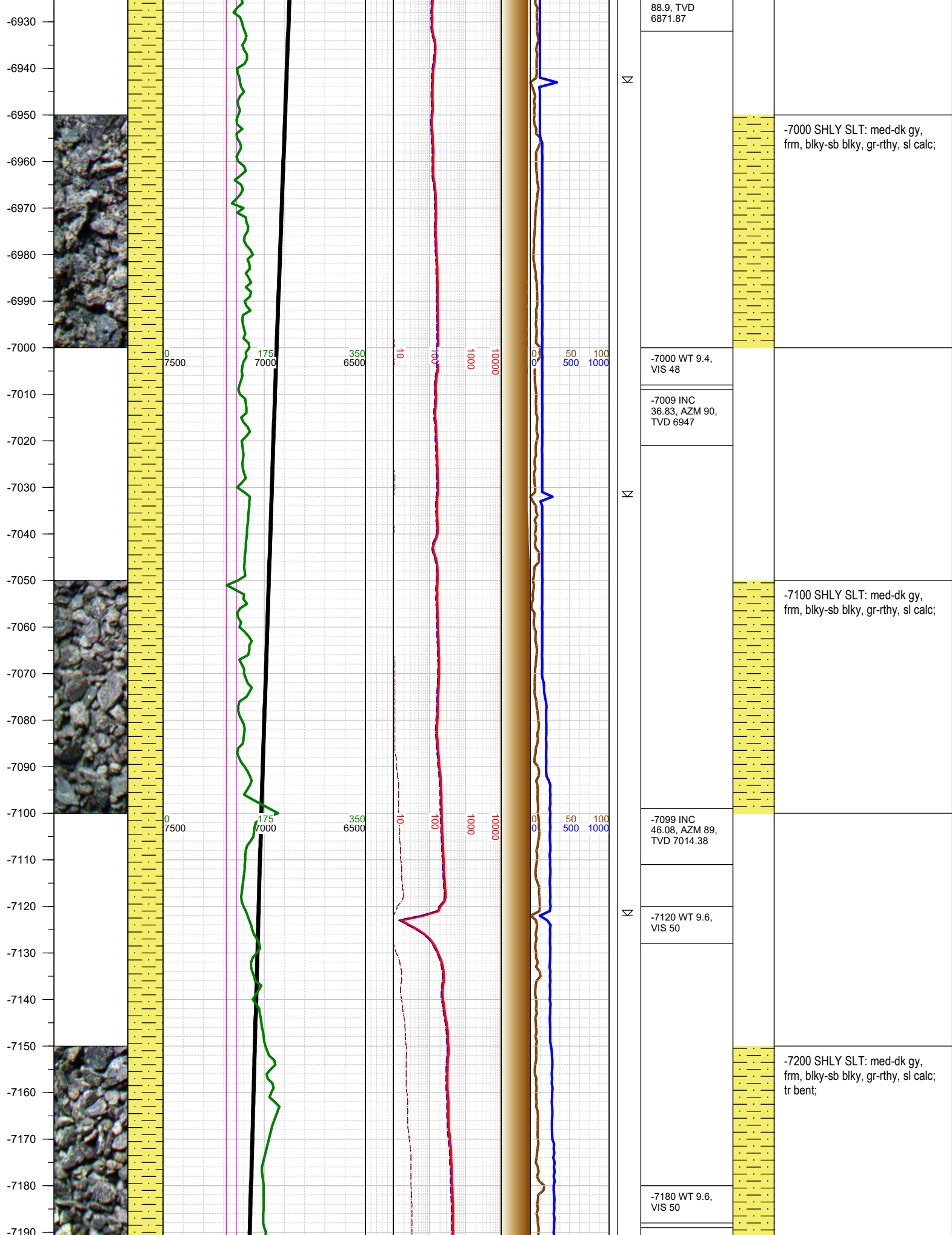


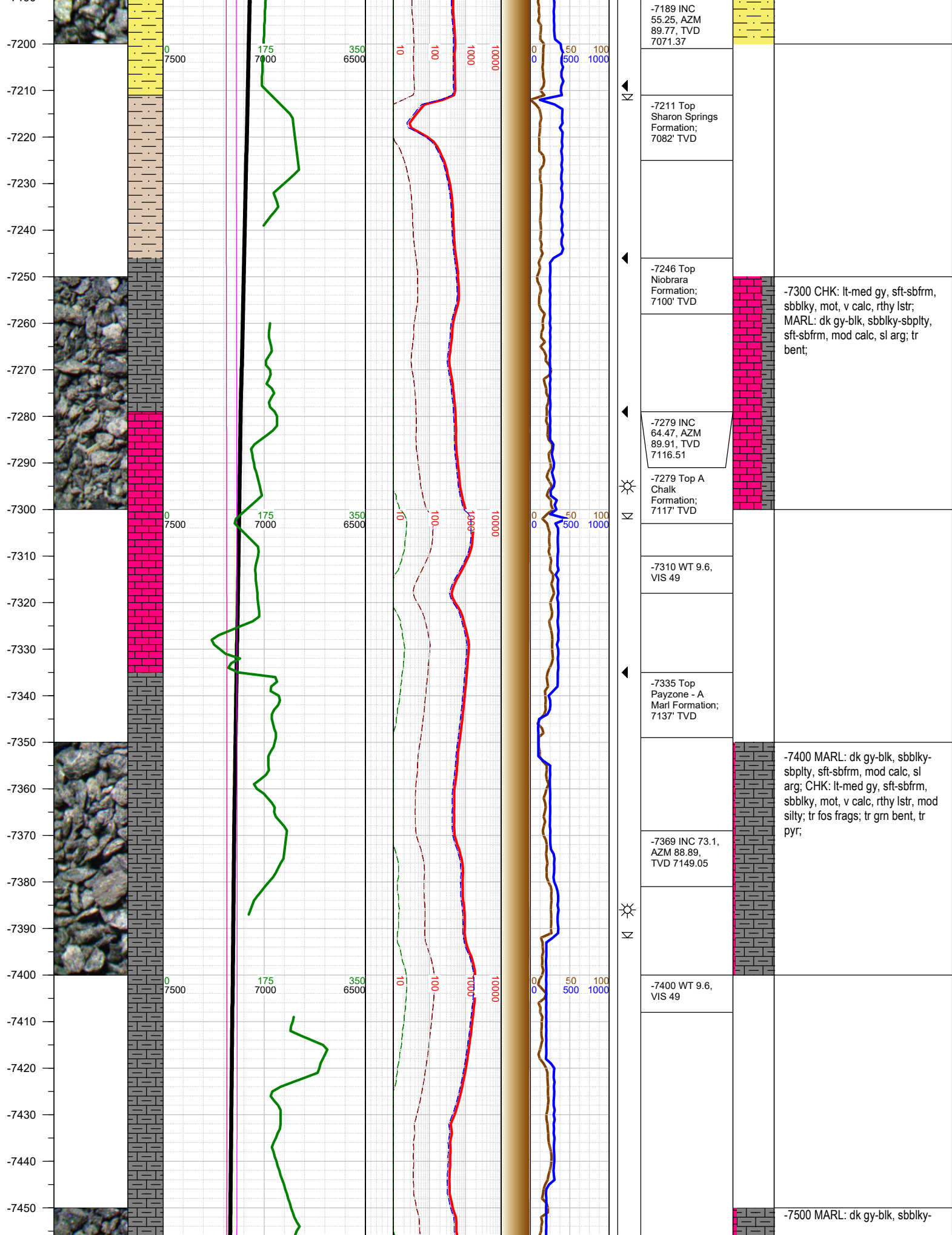
<div>Σ</div> <div>Σ</div>			
<div>Σ</div> <div>Σ</div>	<div>-6203 INC 6.42, AZM 75.52, TVD 6168.93</div>	<div>• •</div>	

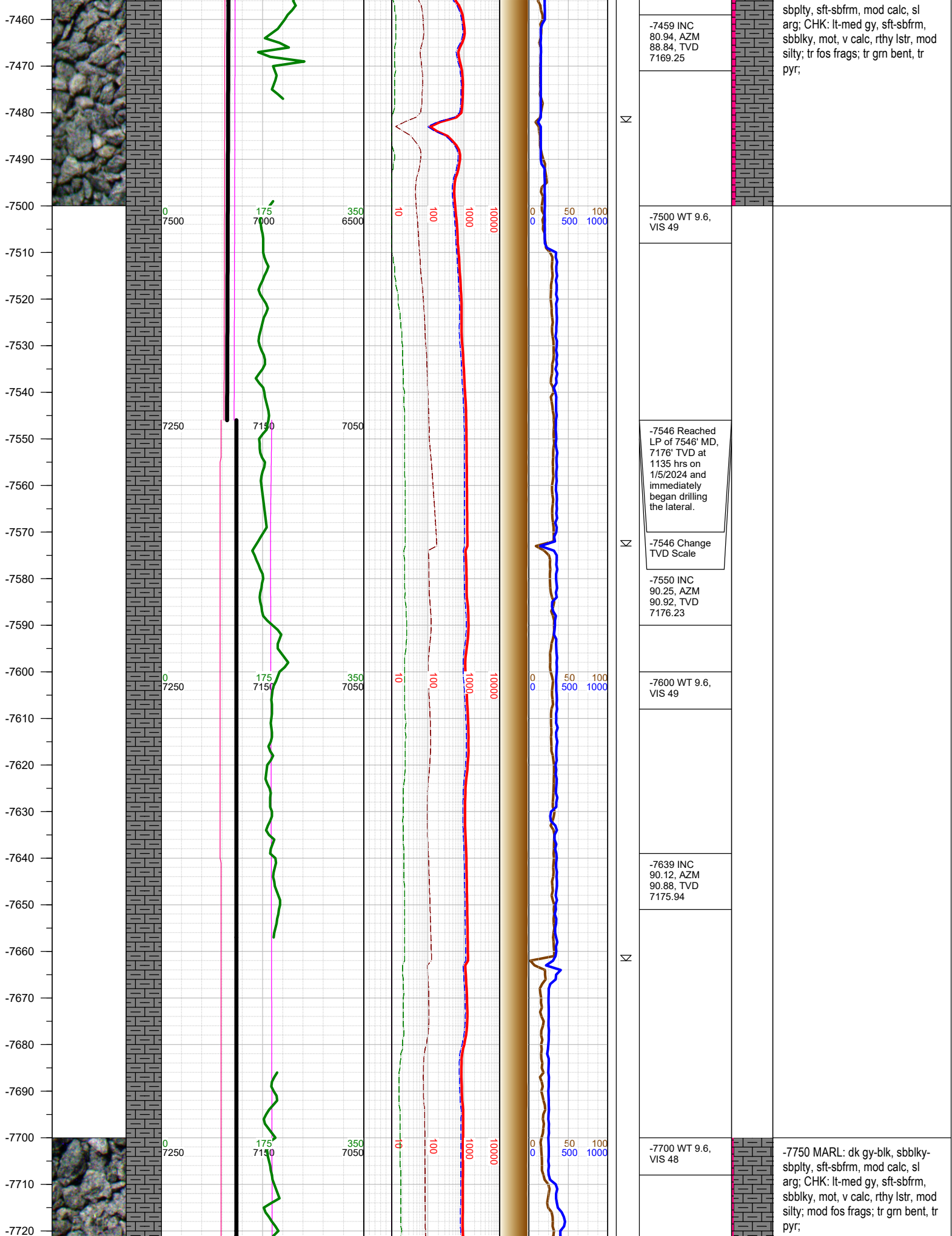




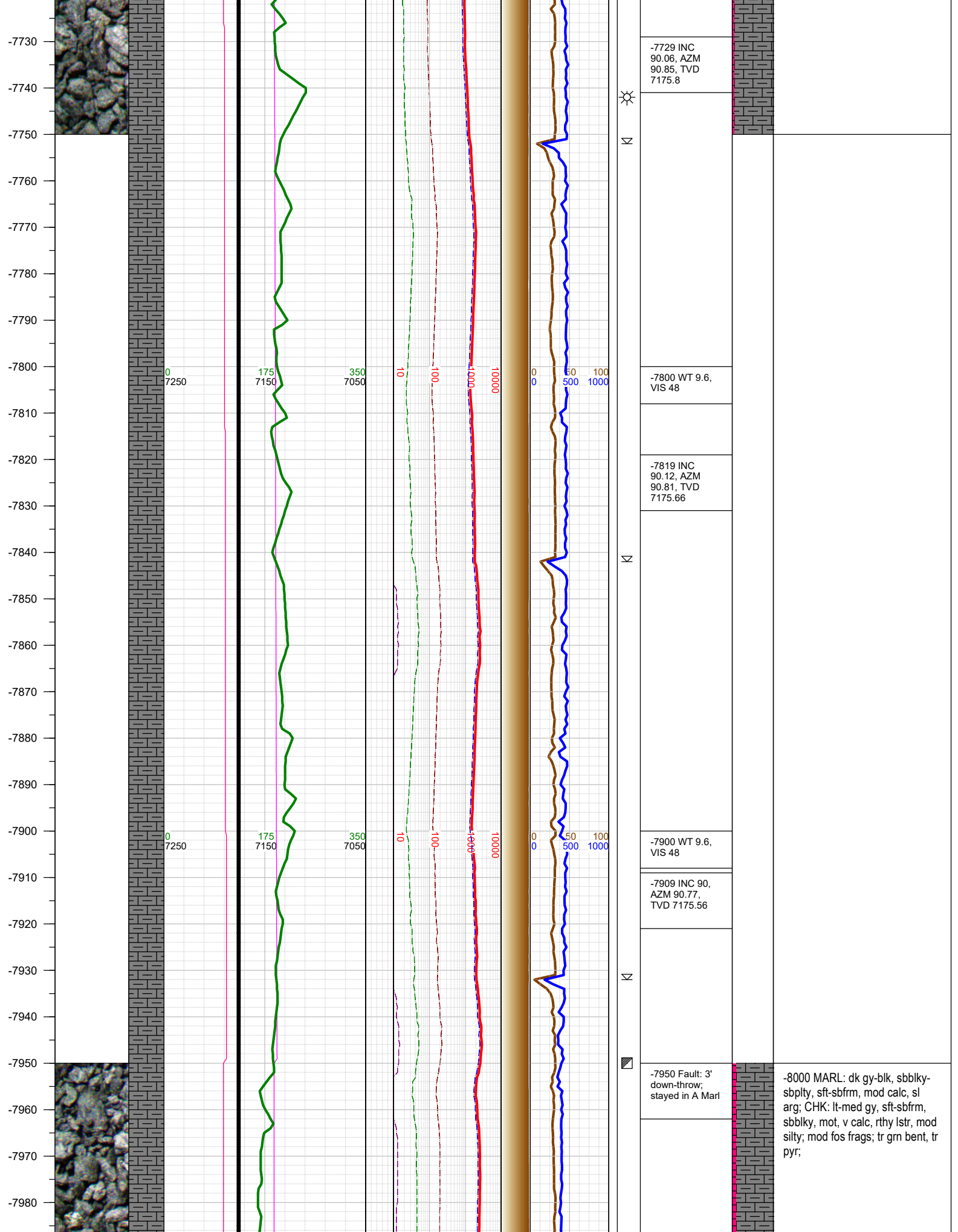




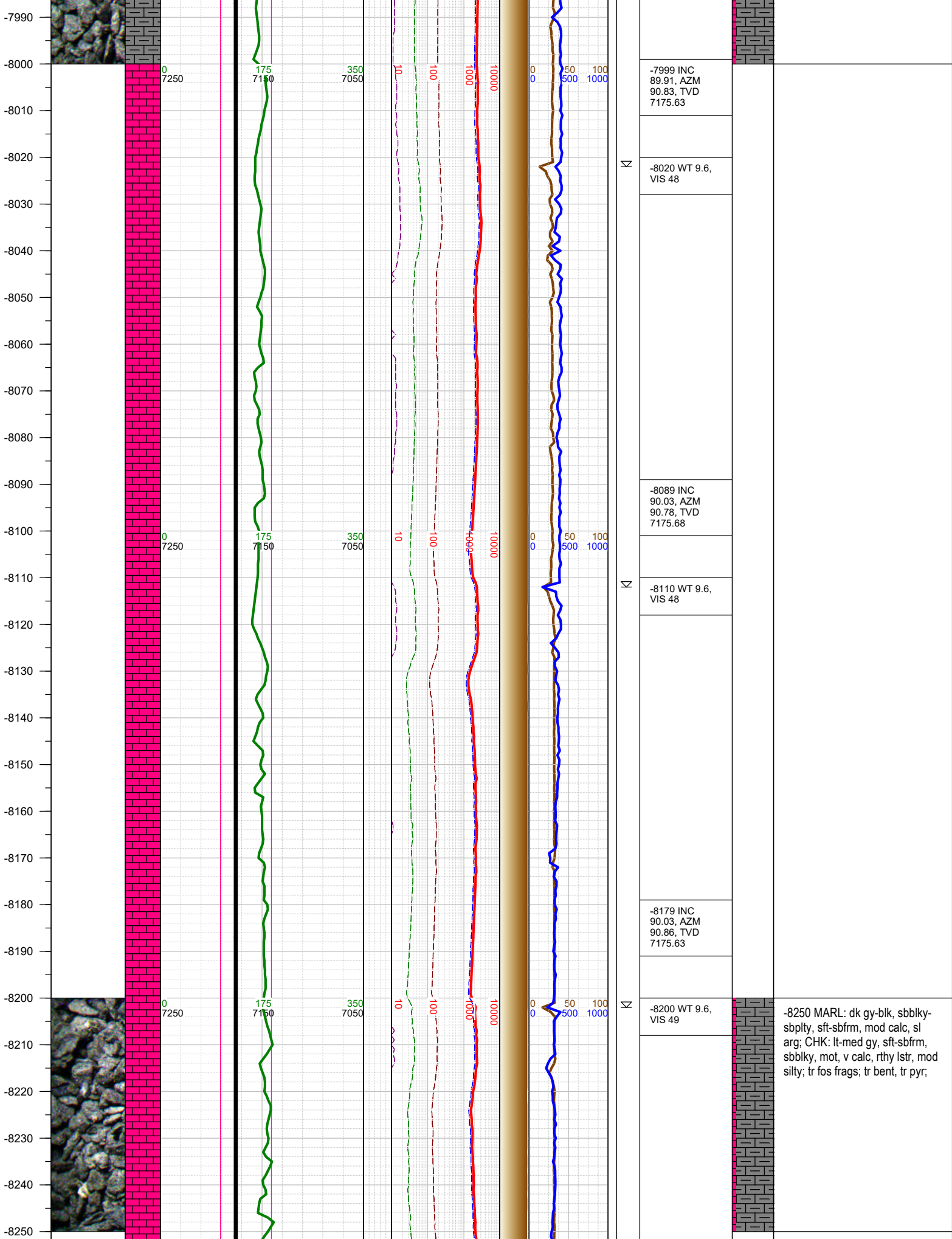


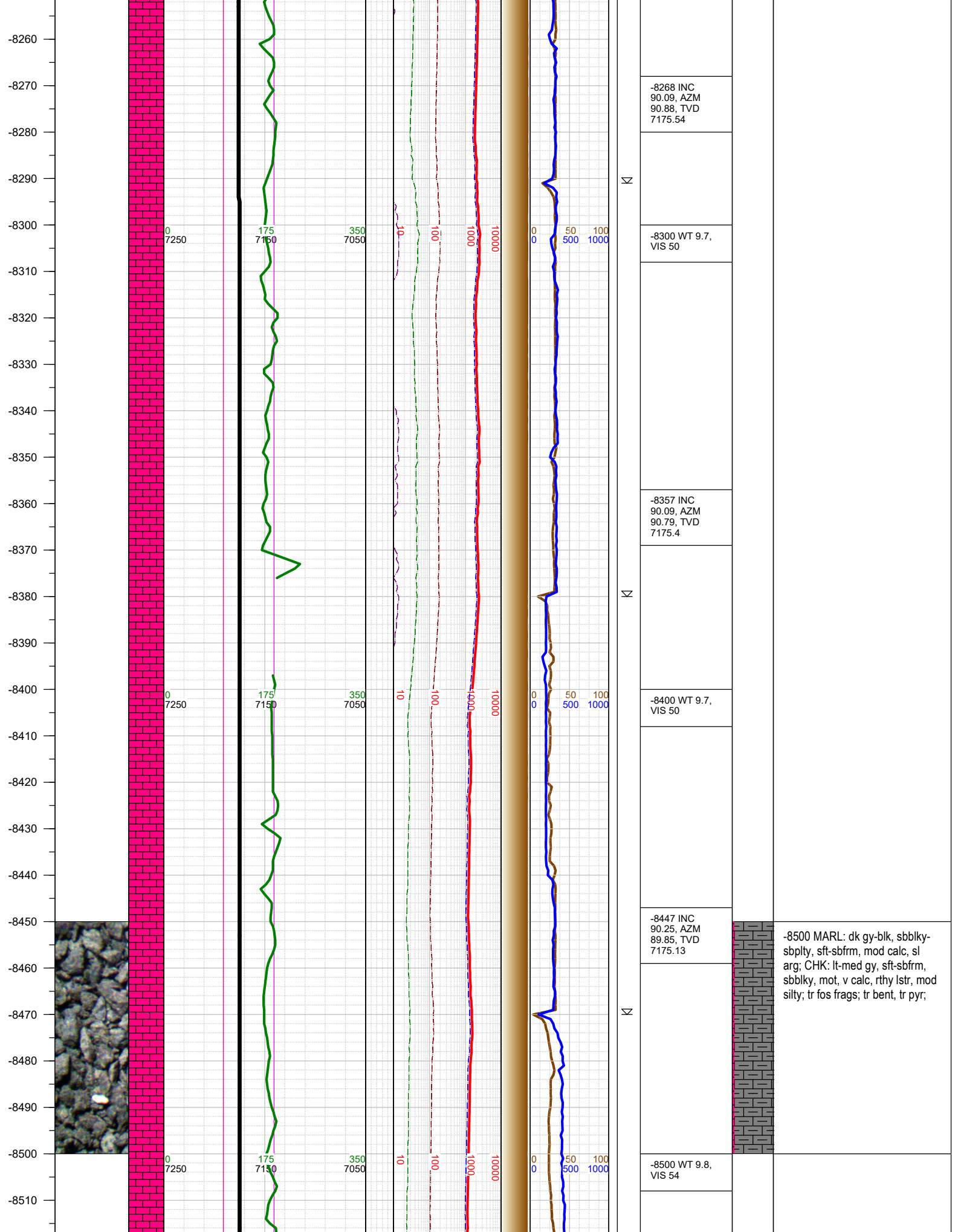


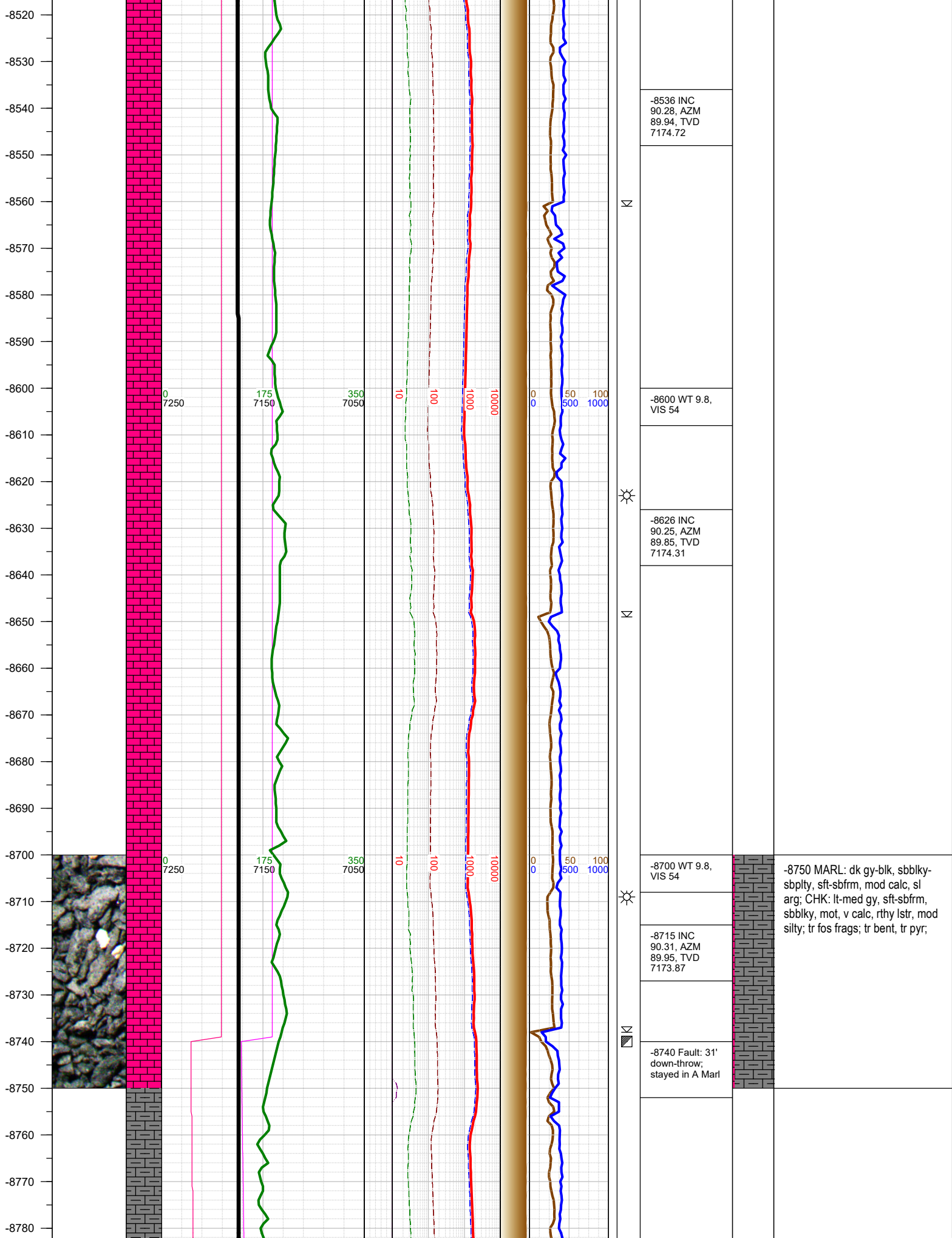




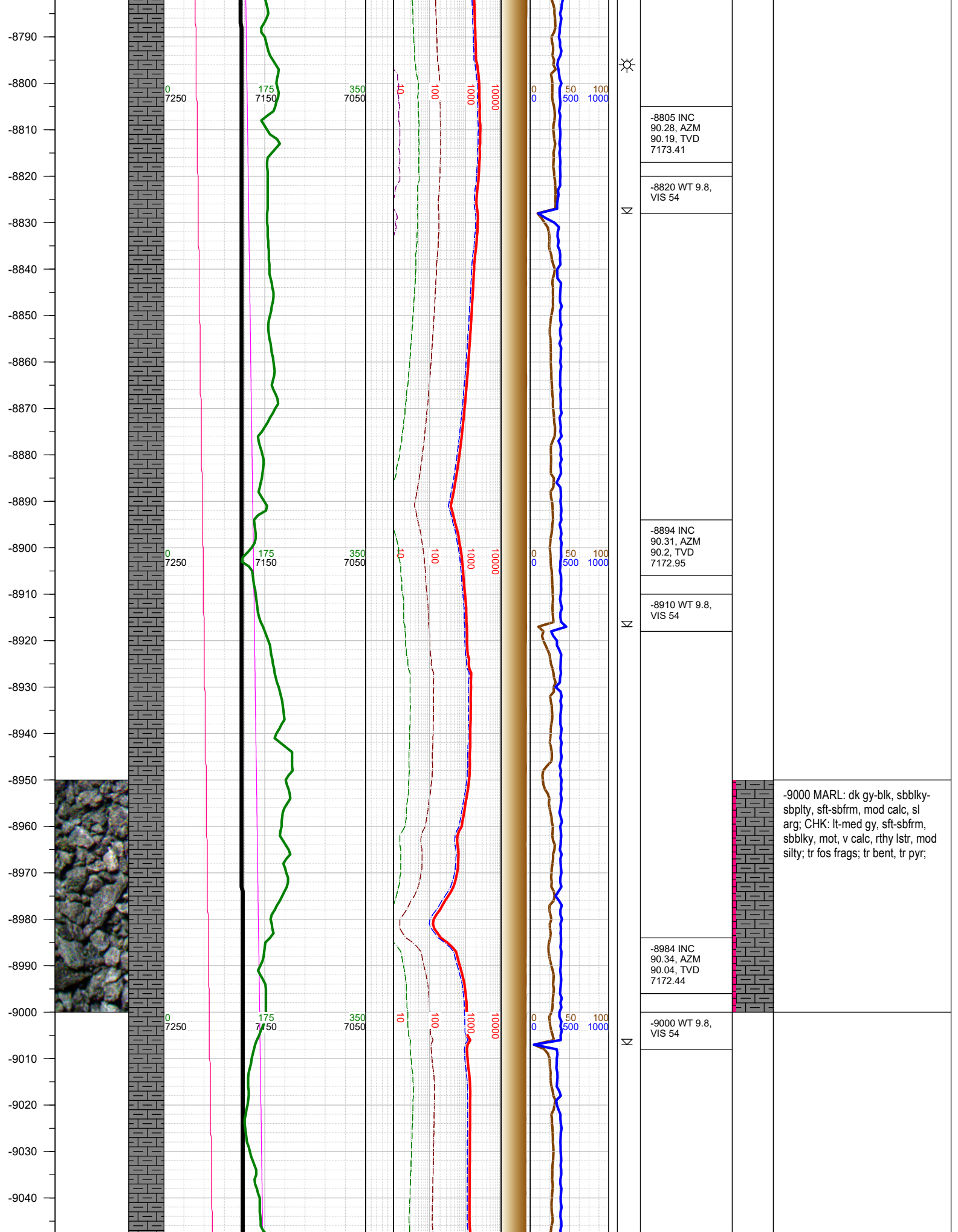




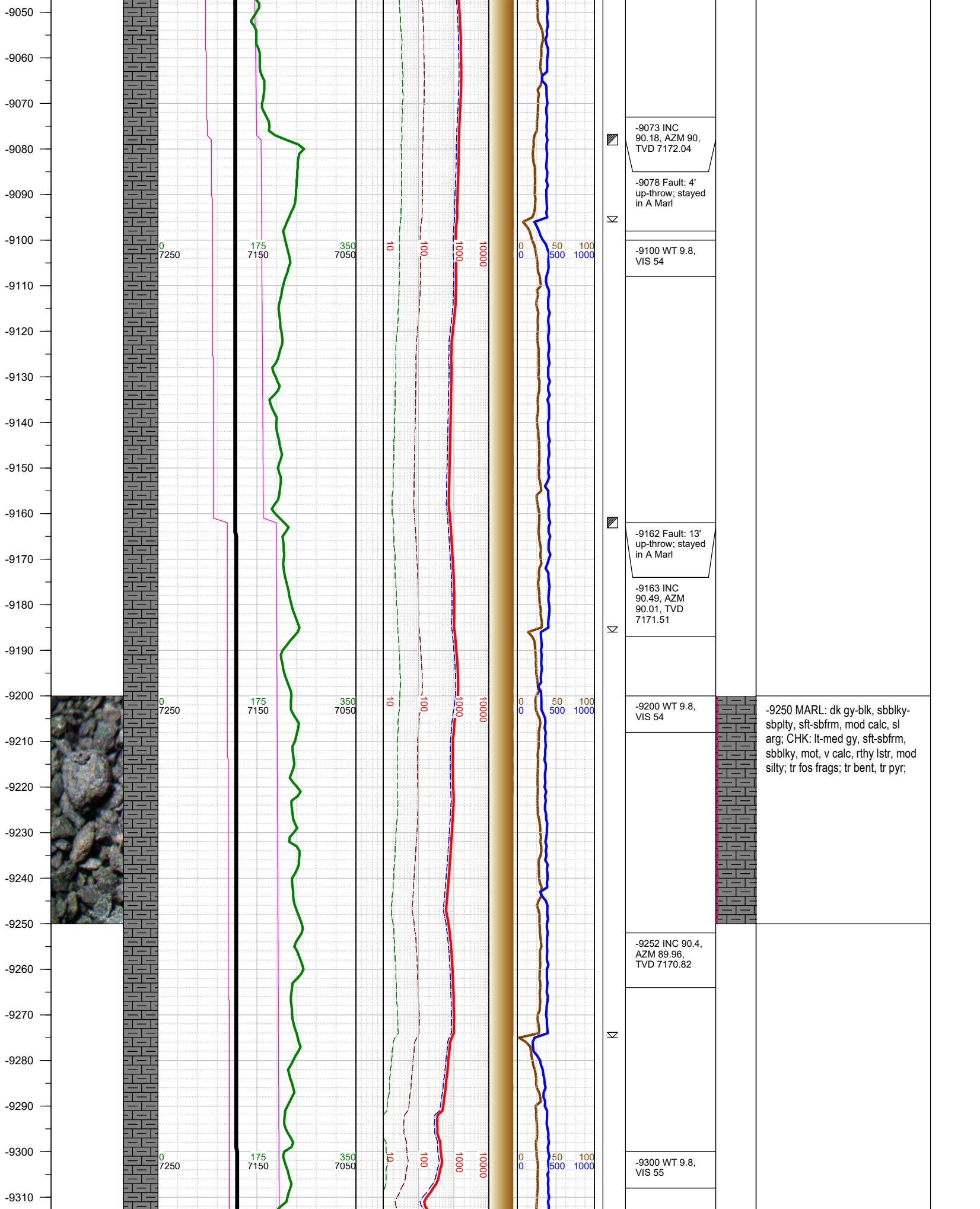


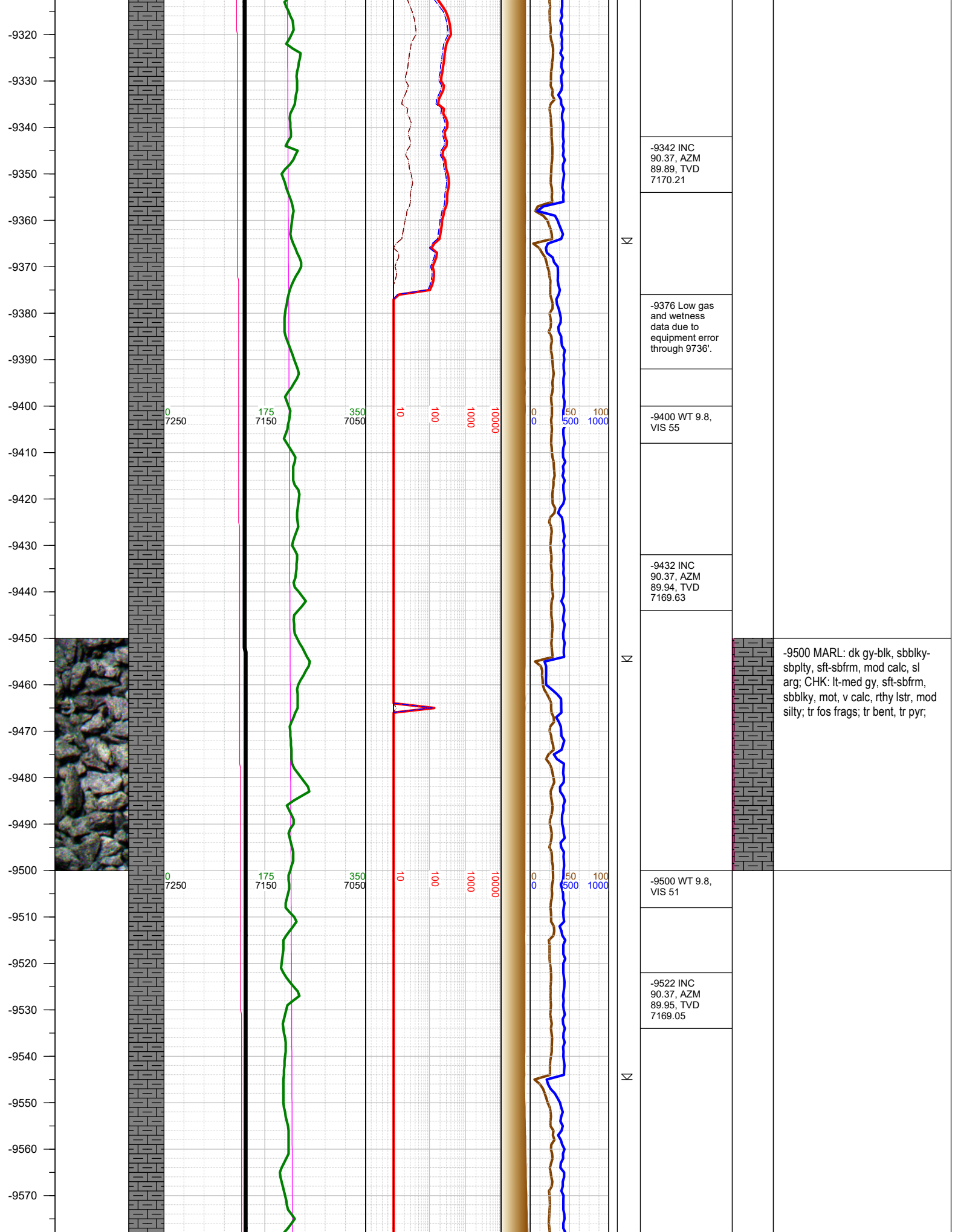


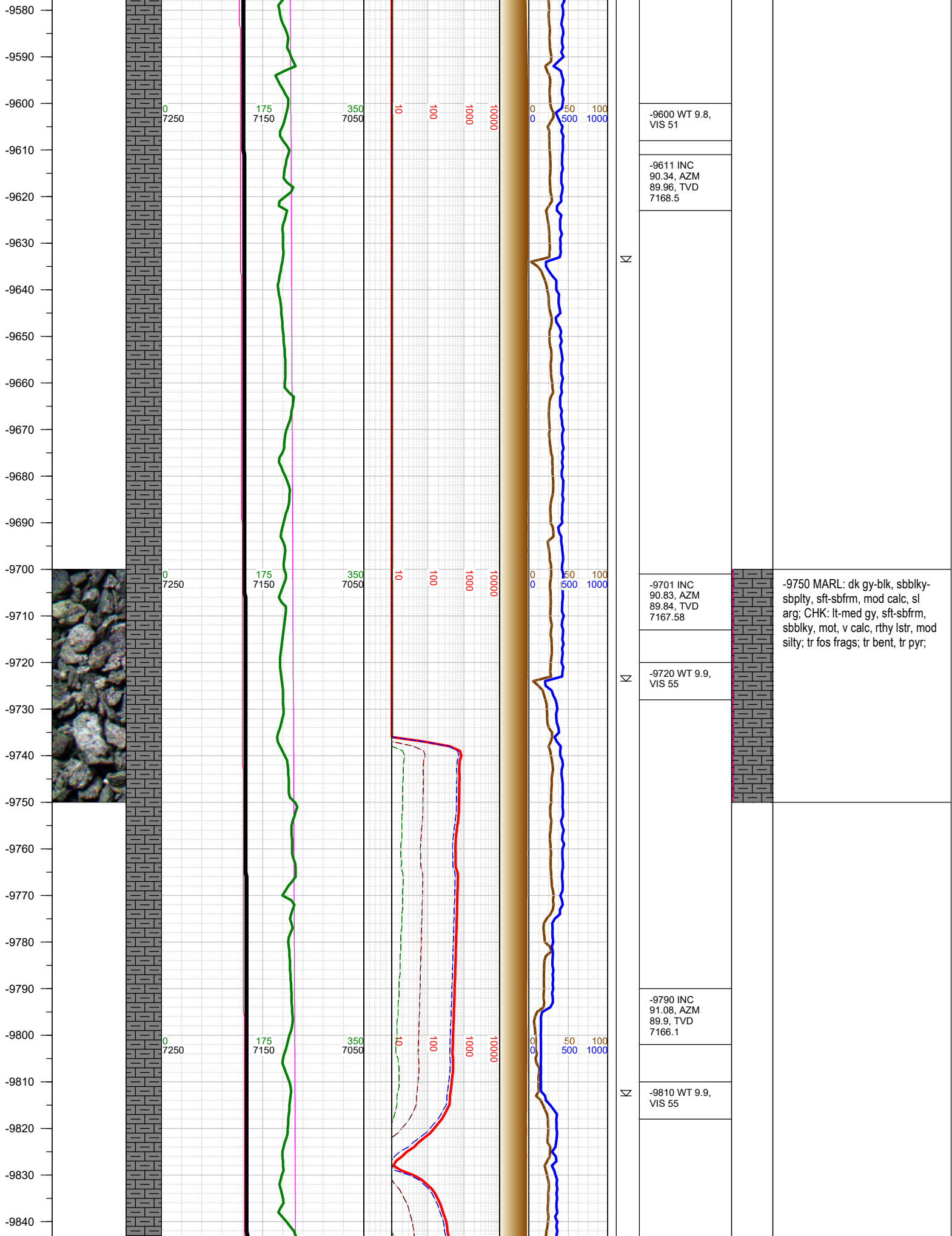




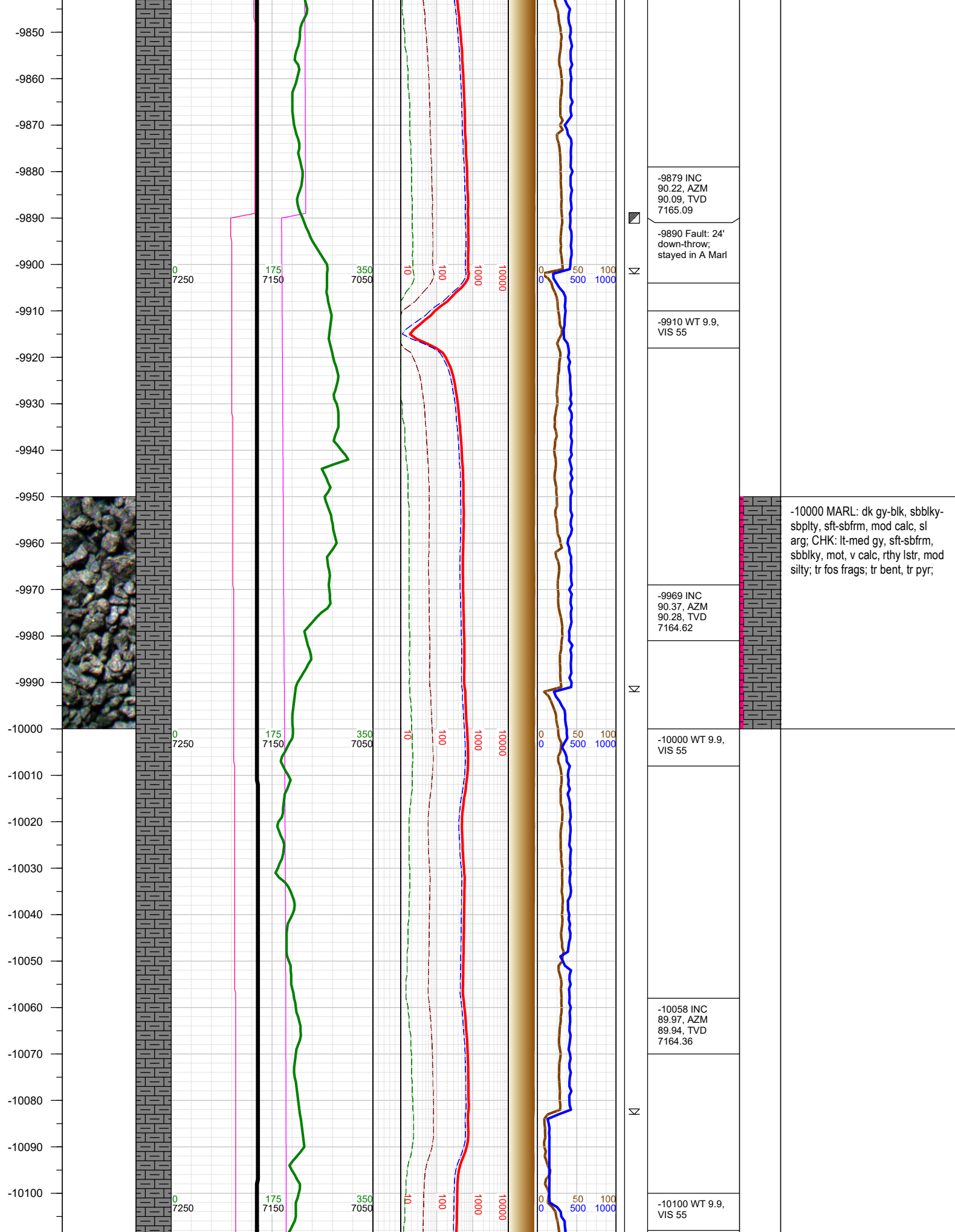




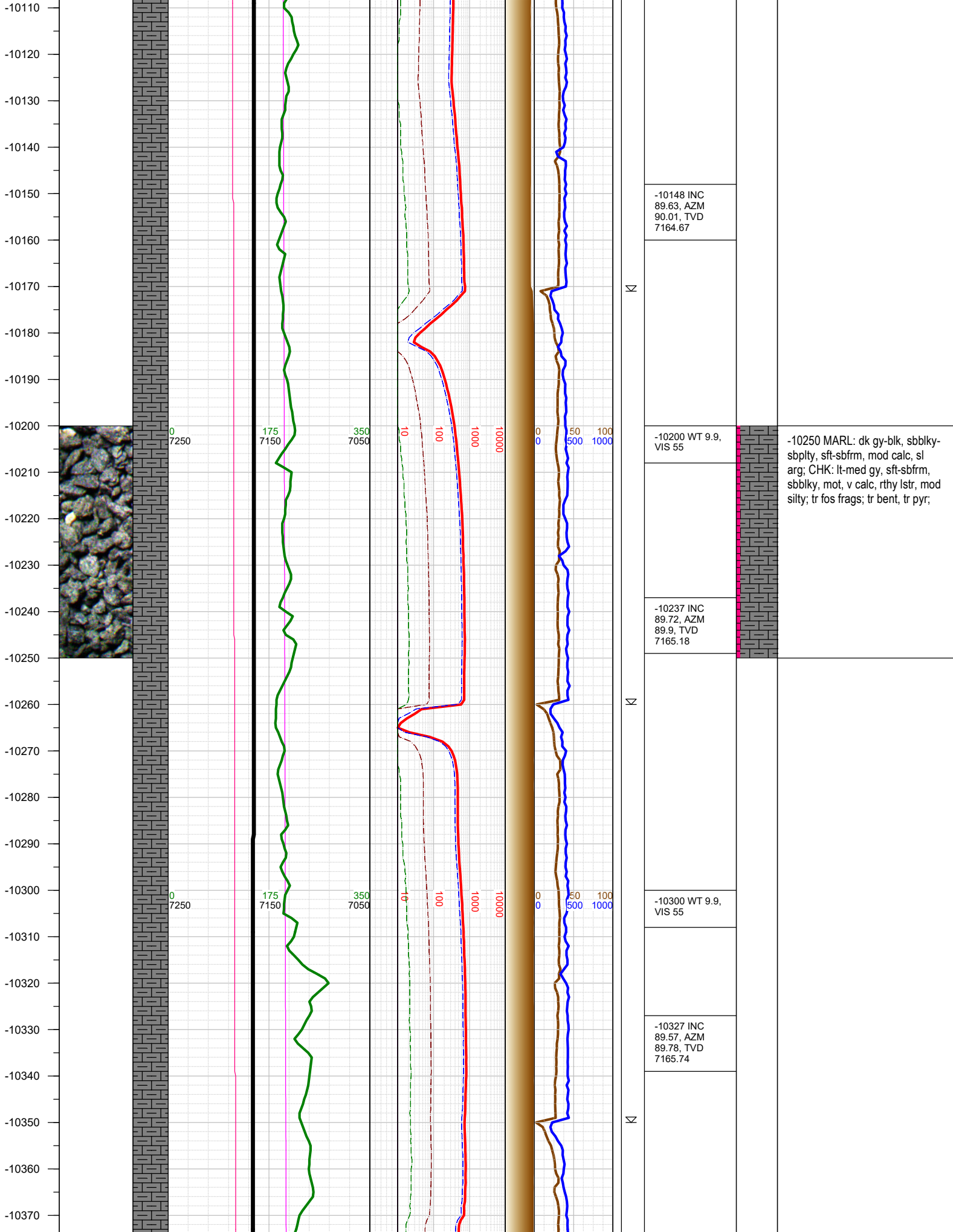




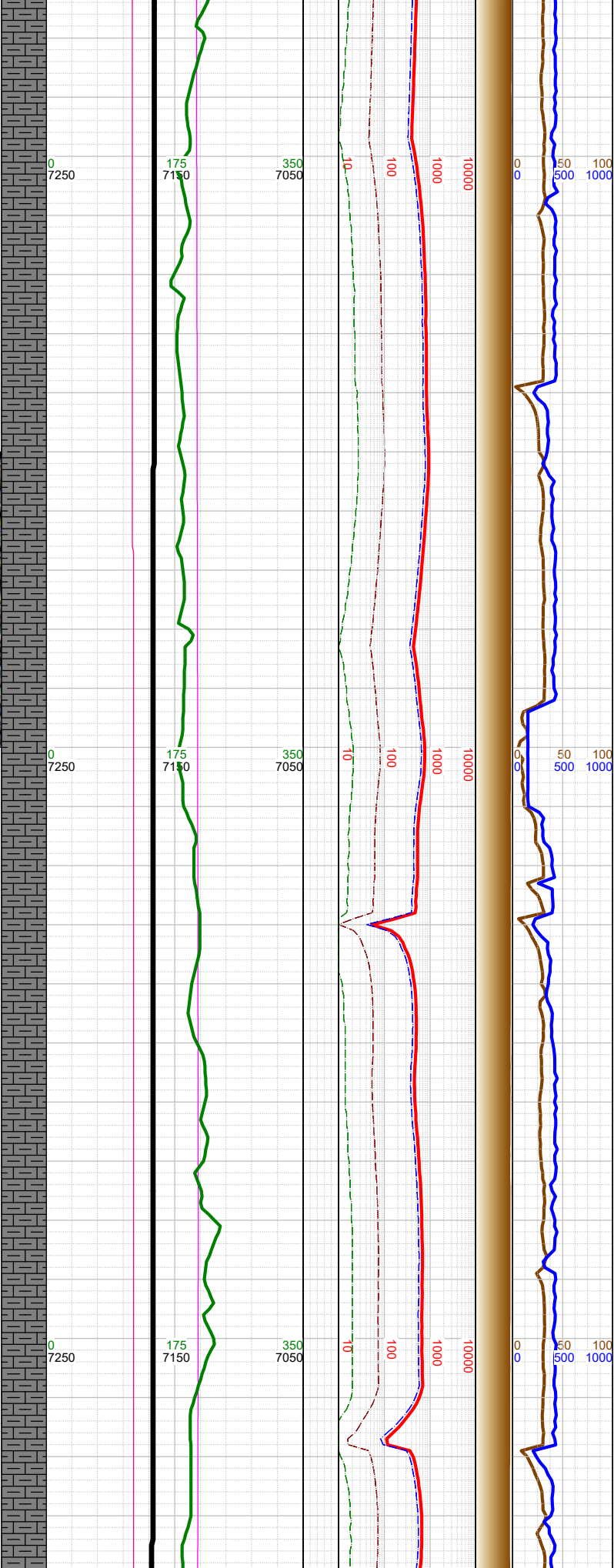
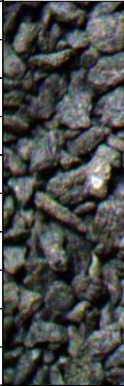




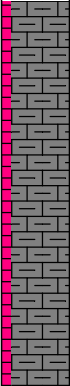




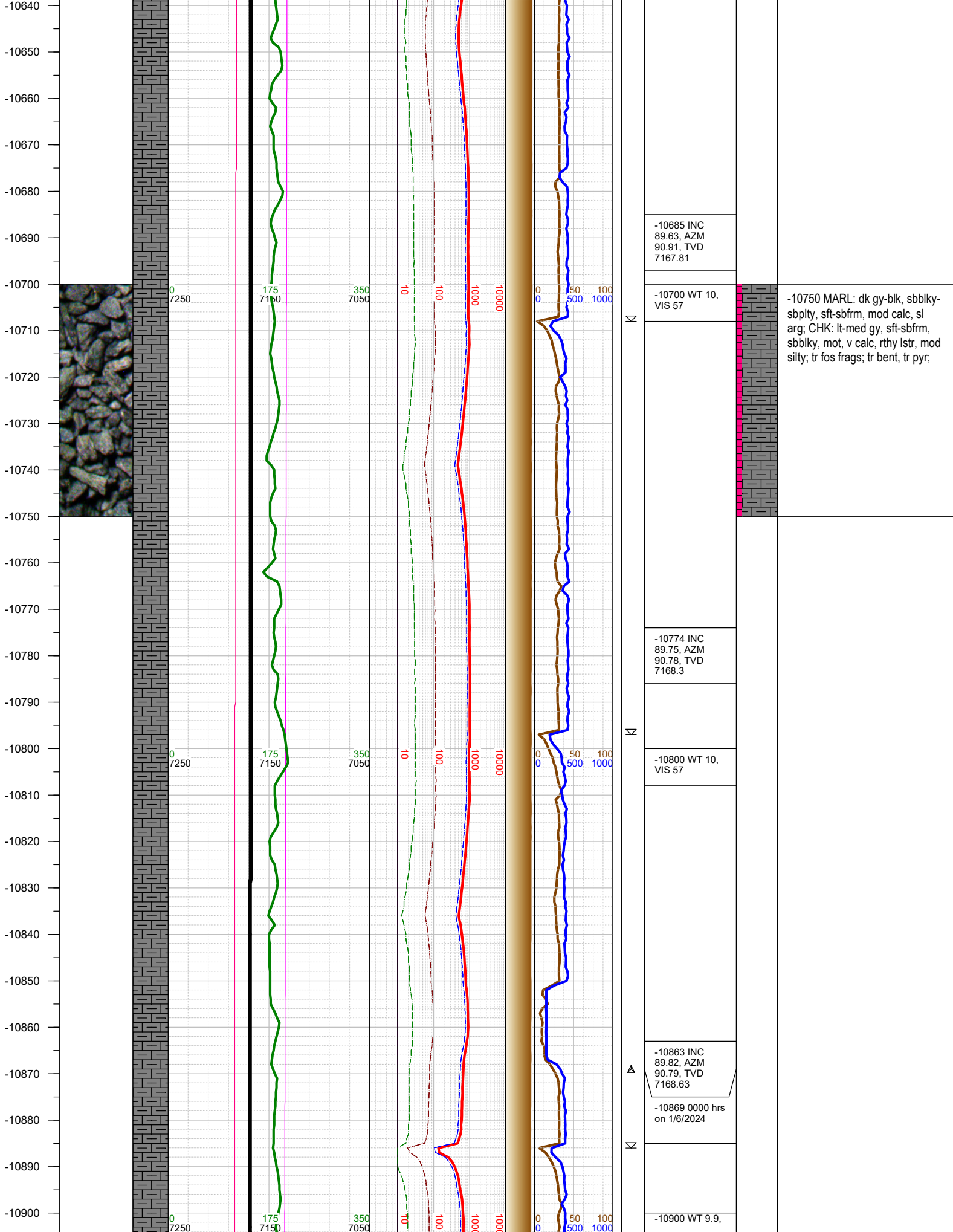
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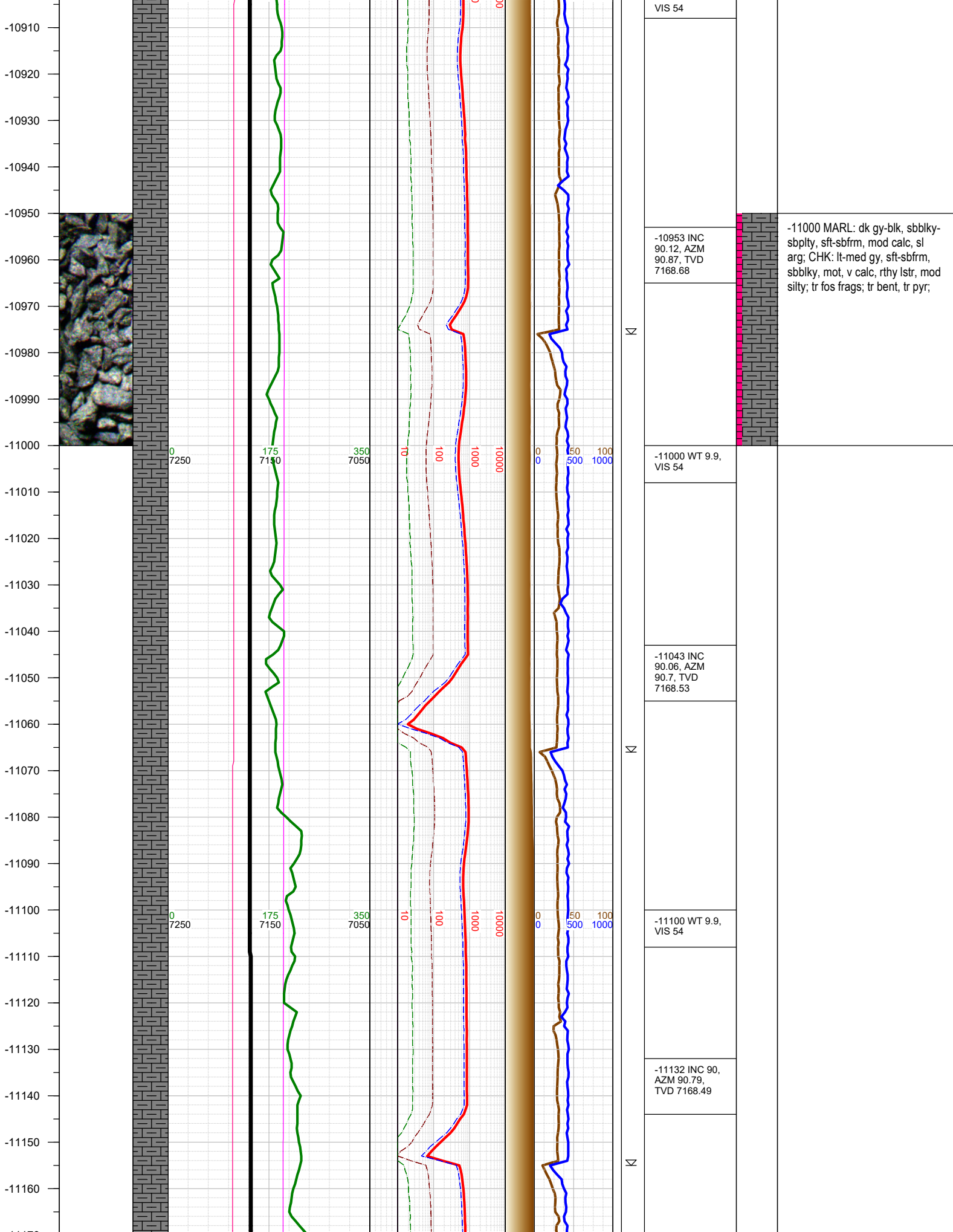
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Σ	-10416 INC 89.69, AZM 89.95, TVD 7166.31
Σ	-10506 INC 89.72, AZM 89.96, TVD 7166.78
	-10520 WT 9.9, VIS 50
Σ	-10596 INC 89.66, AZM 90.68, TVD 7167.26
	-10610 WT 9.9, VIS 50



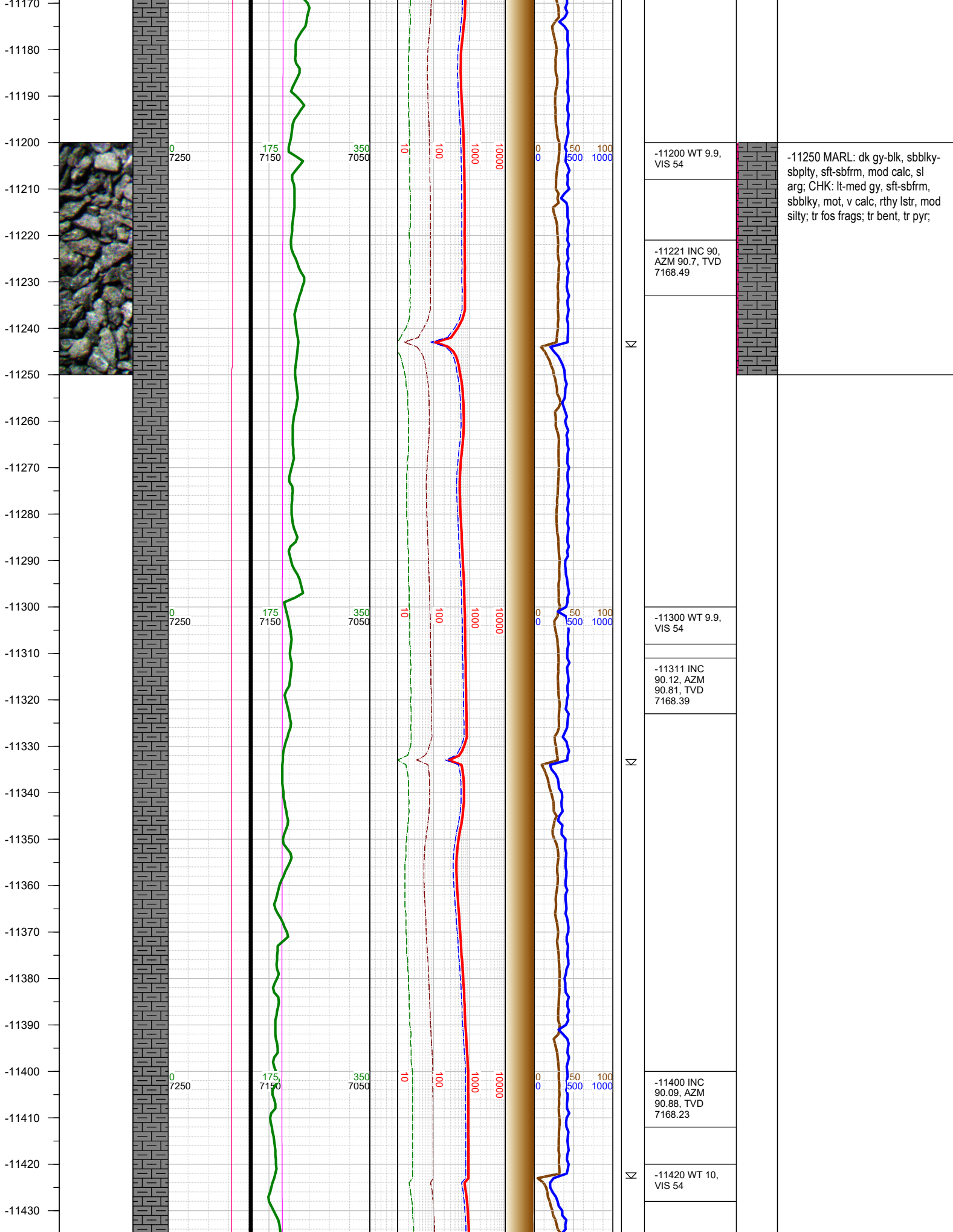
-10500 MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbbkly, mot, v calc, rthy lstr, mod silty; tr fos frags; tr bent, tr pyr;



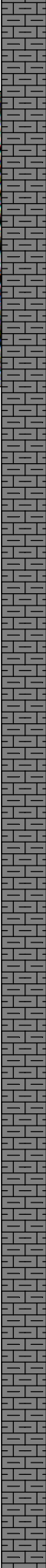
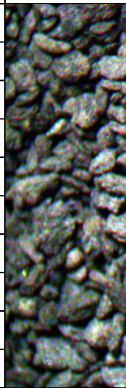








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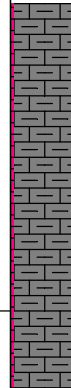
-11490 INC  
90.03, AZM  
90.61, TVD  
7168.14

-11510 WT 10,  
VIS 54

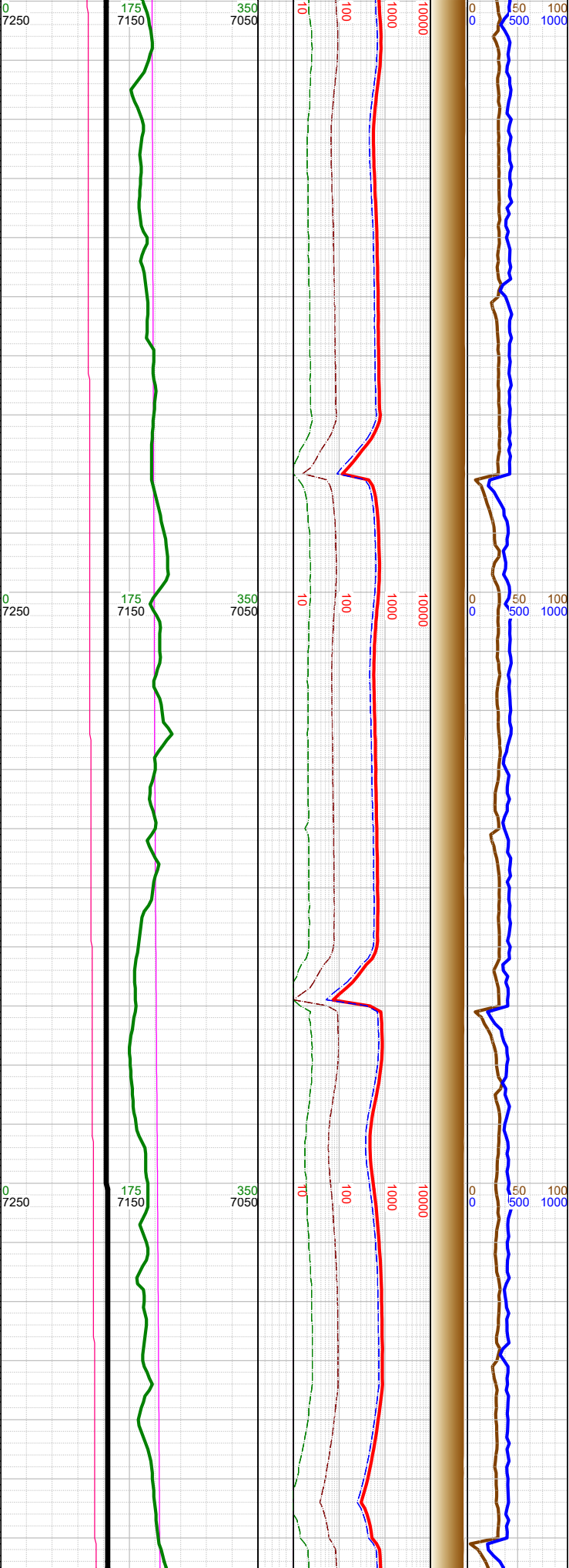
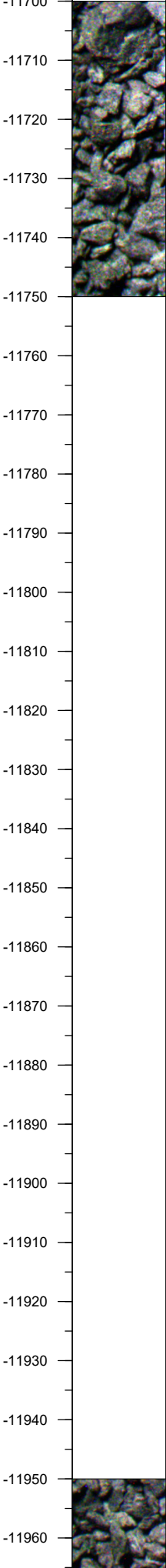
-11579 INC  
90.03, AZM  
90.78, TVD  
7168.09

-11600 WT 10,  
VIS 54

-11668 INC  
90.09, AZM  
90.8, TVD 7168



-11500 MARL: dk gy-blk, sbbkly-  
sbplty, sft-sbfrm, mod calc, sl  
arg; CHK: lt-med gy, sft-sbfrm,  
sbbkly, mot, v calc, rthy lstr, mod  
silty; tr fos frags; tr bent, tr pyr;

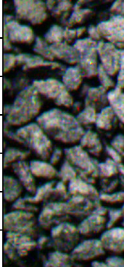


Σ	-11700 WT 10, VIS 54	
Σ	-11758 INC 90.15, AZM 90.9, TVD 7167.81	
Σ	-11800 WT 10, VIS 54	
Σ	-11848 INC 90.12, AZM 90.74, TVD 7167.6	
Σ	-11900 WT 10, VIS 54	
Σ	-11938 INC 90.09, AZM 90.88, TVD 7167.43	

-11750 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, mod silty; tr fos frags; tr bent, tr pyr;	
-12000 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, mod	



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-12000 WT 10,  
VIS 54

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90.66, TVD  
7167.27

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-12100 WT 10,  
VIS 54

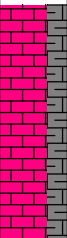
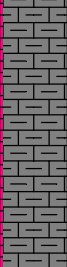
-12117 INC  
90.15, AZM  
90.69, TVD  
7167.06

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-12207 INC  
90.22, AZM  
90.92, TVD  
7166.77

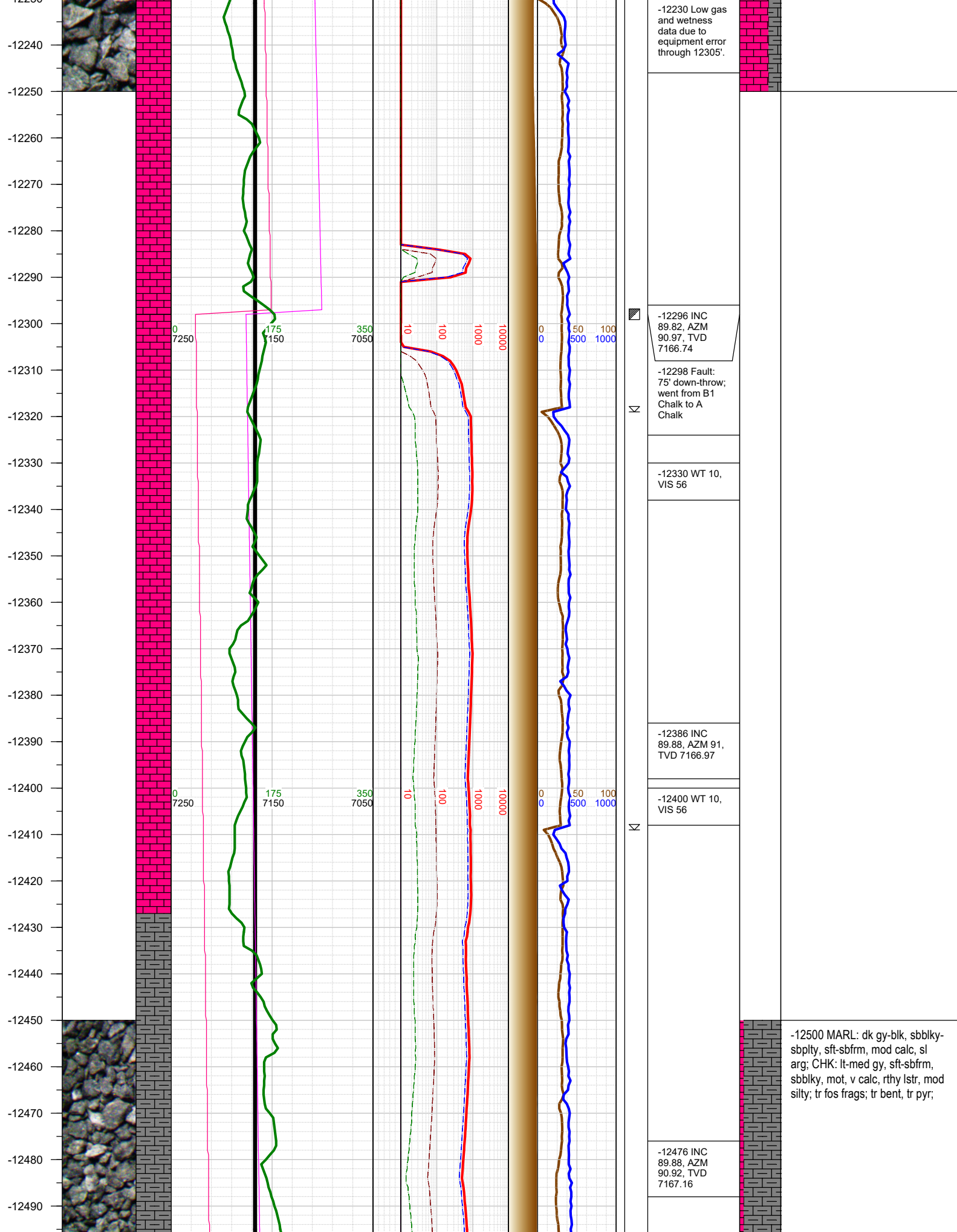
-12220 WT 10,  
VIS 56

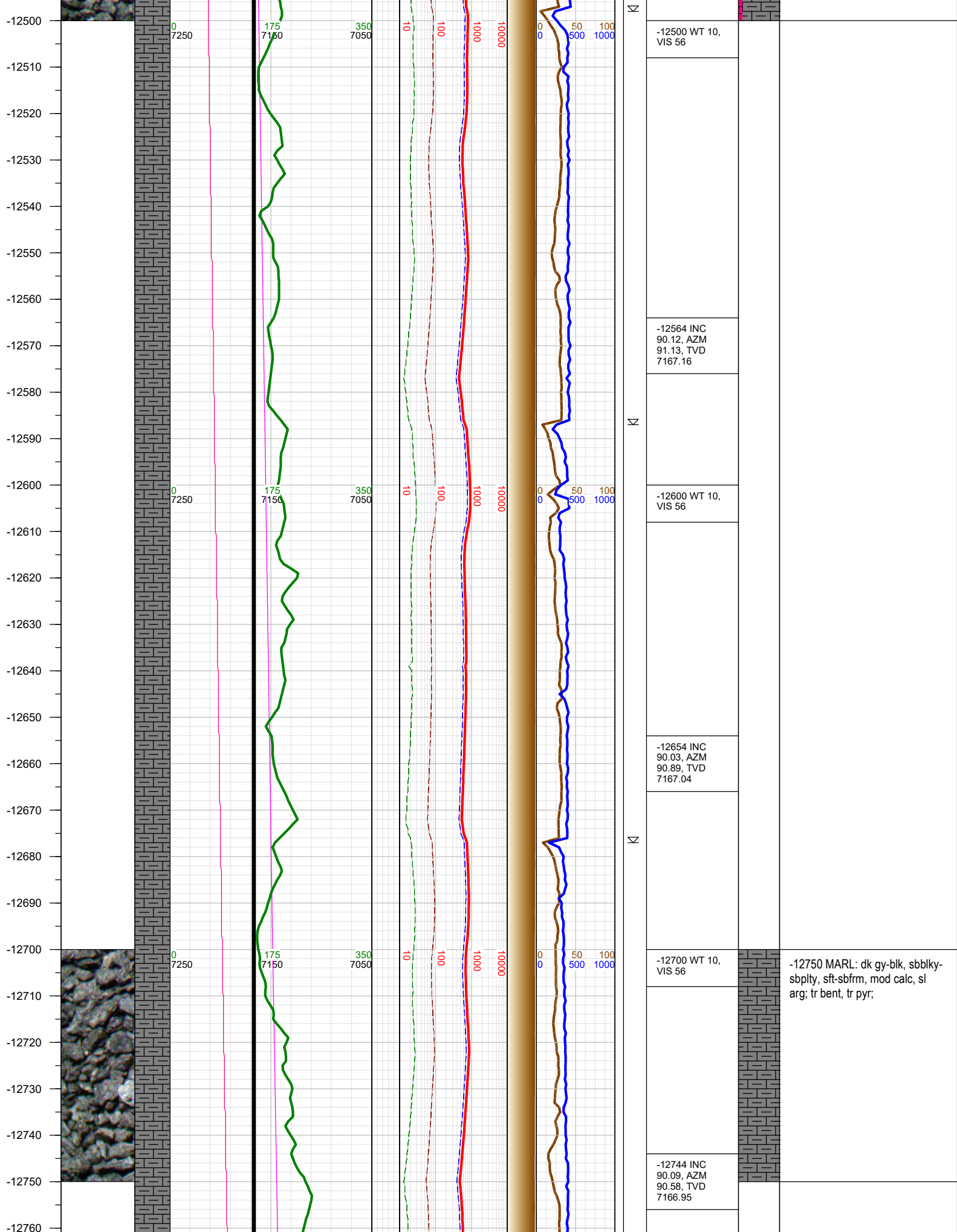
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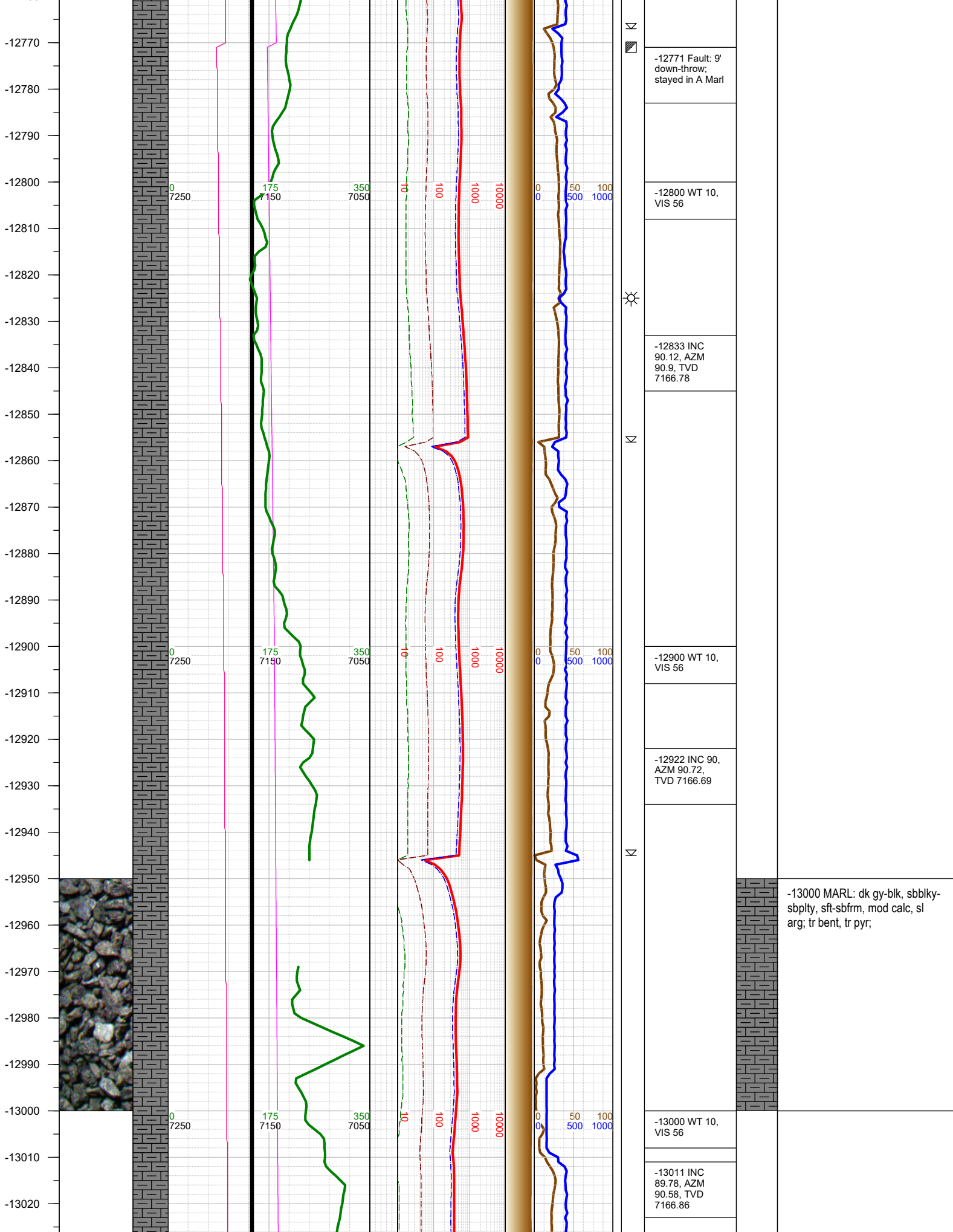
silty; tr fos frags; tr bent, tr pyr;

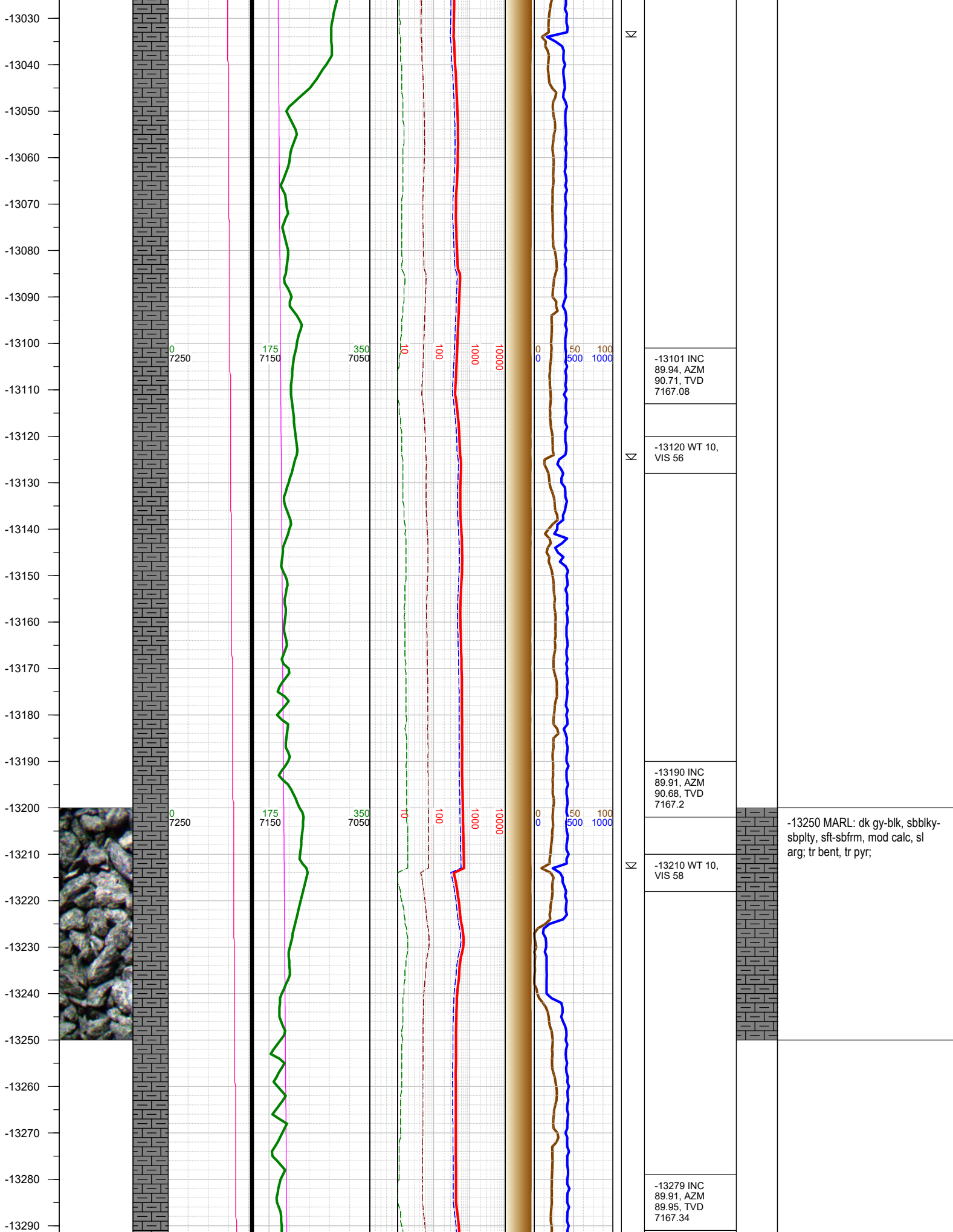
-12250 CHK: lt-med gy, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr bent;

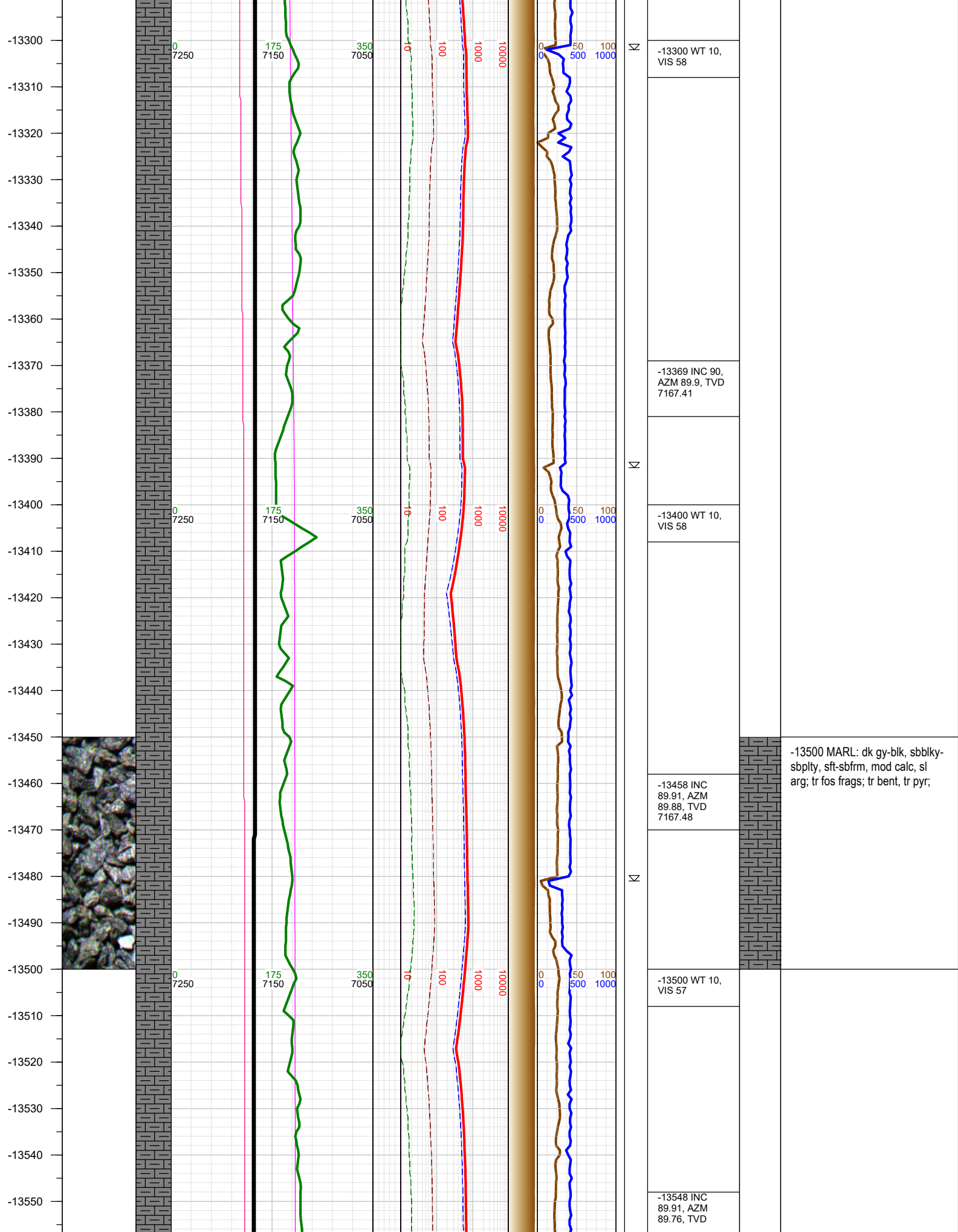




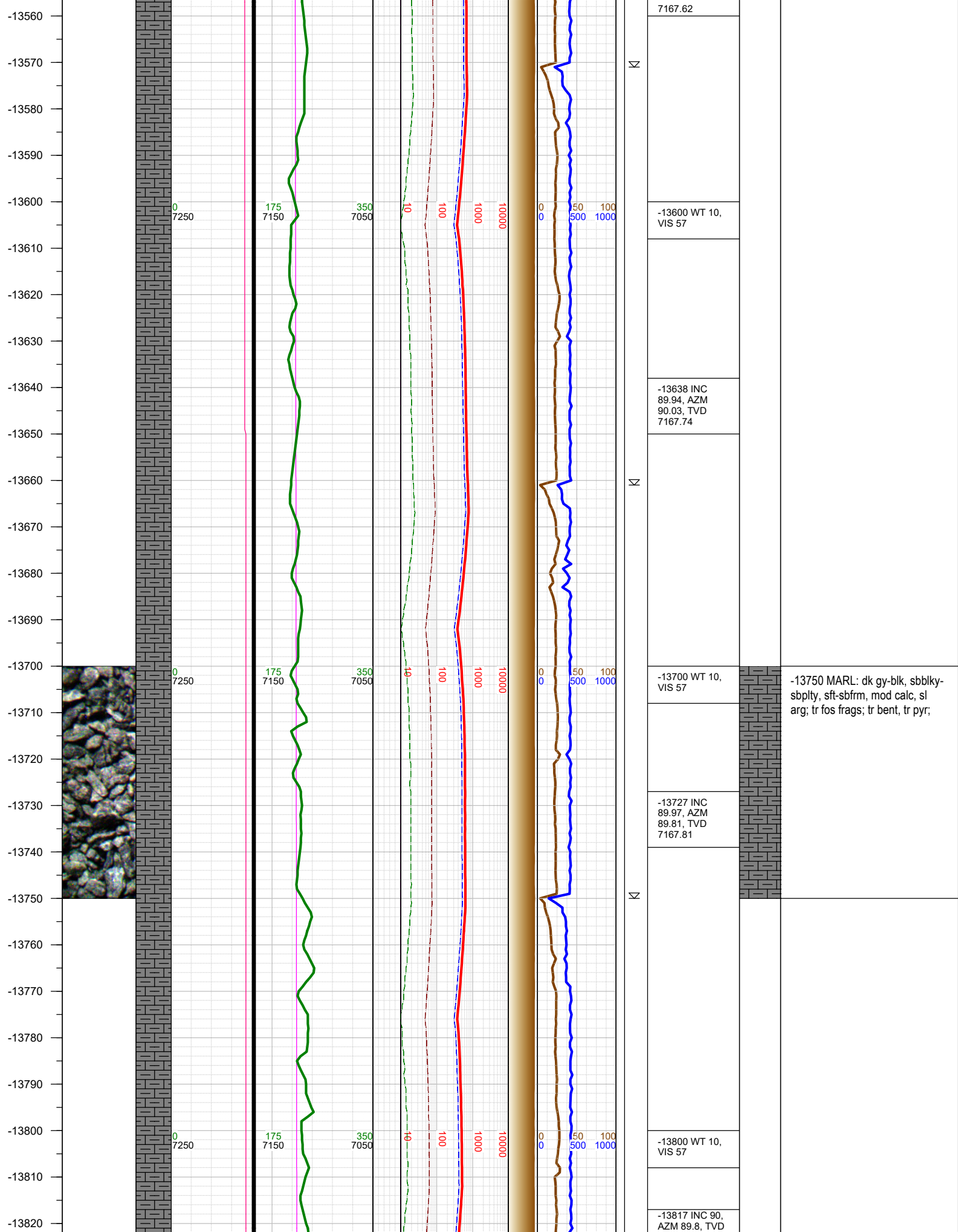


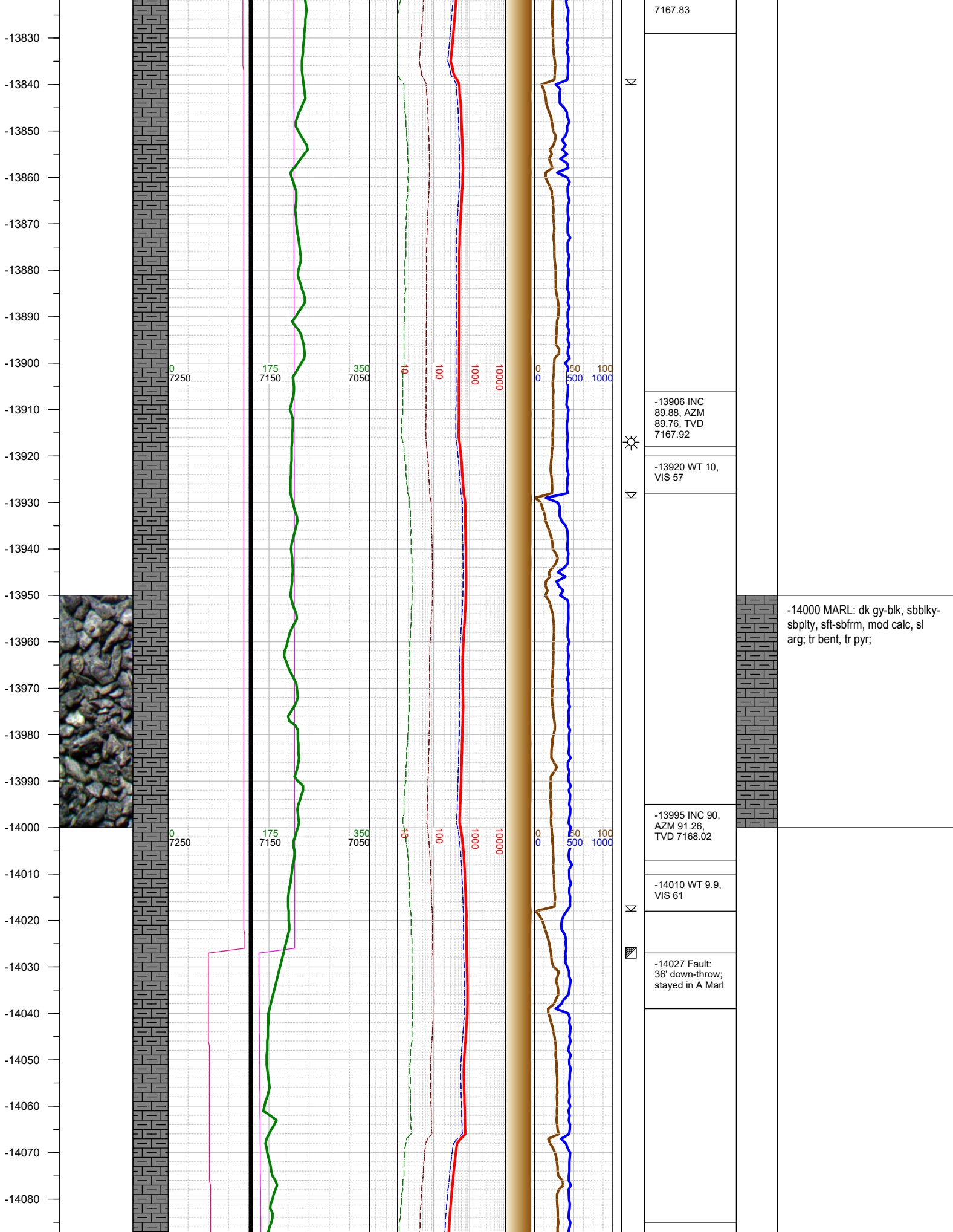


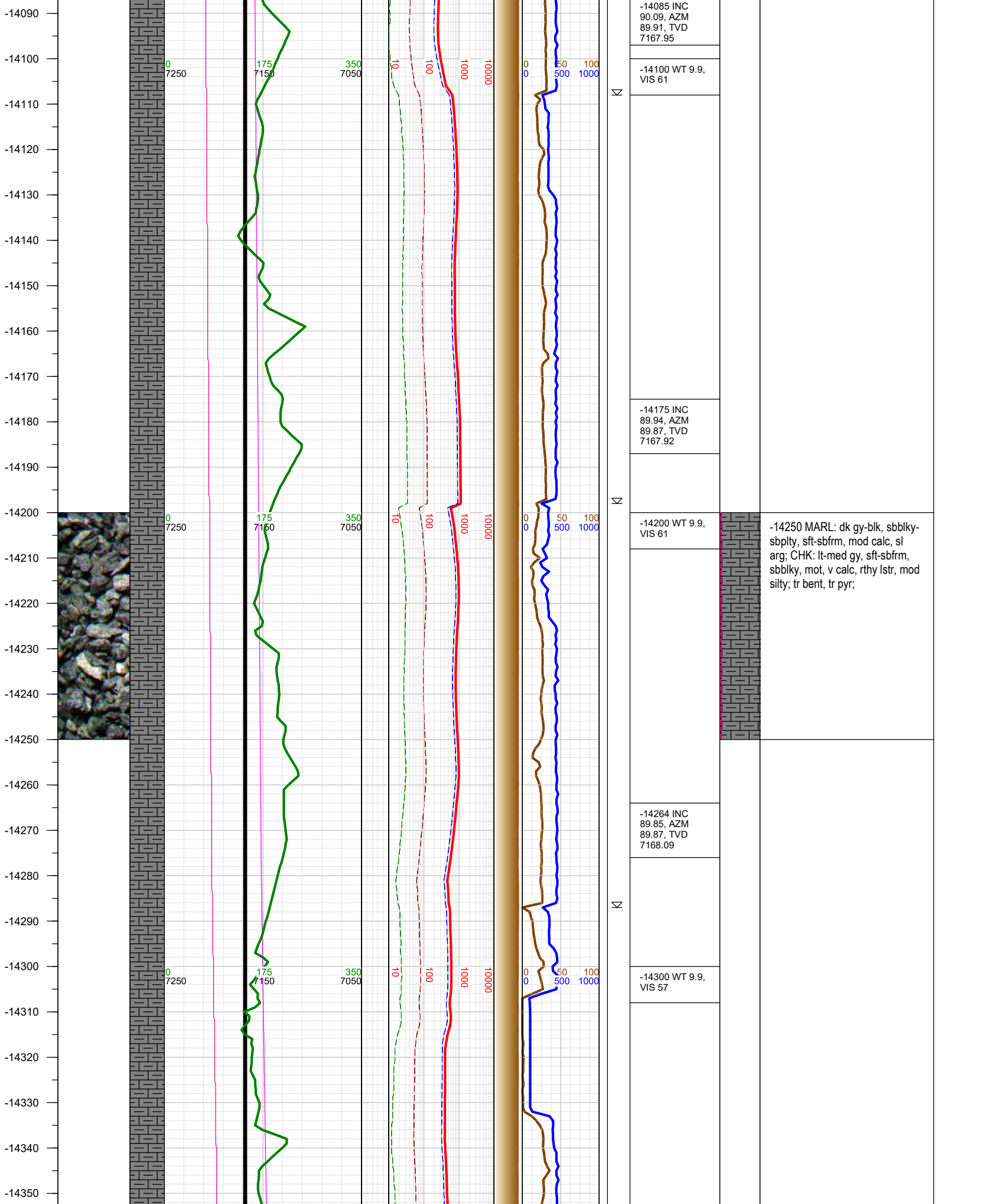




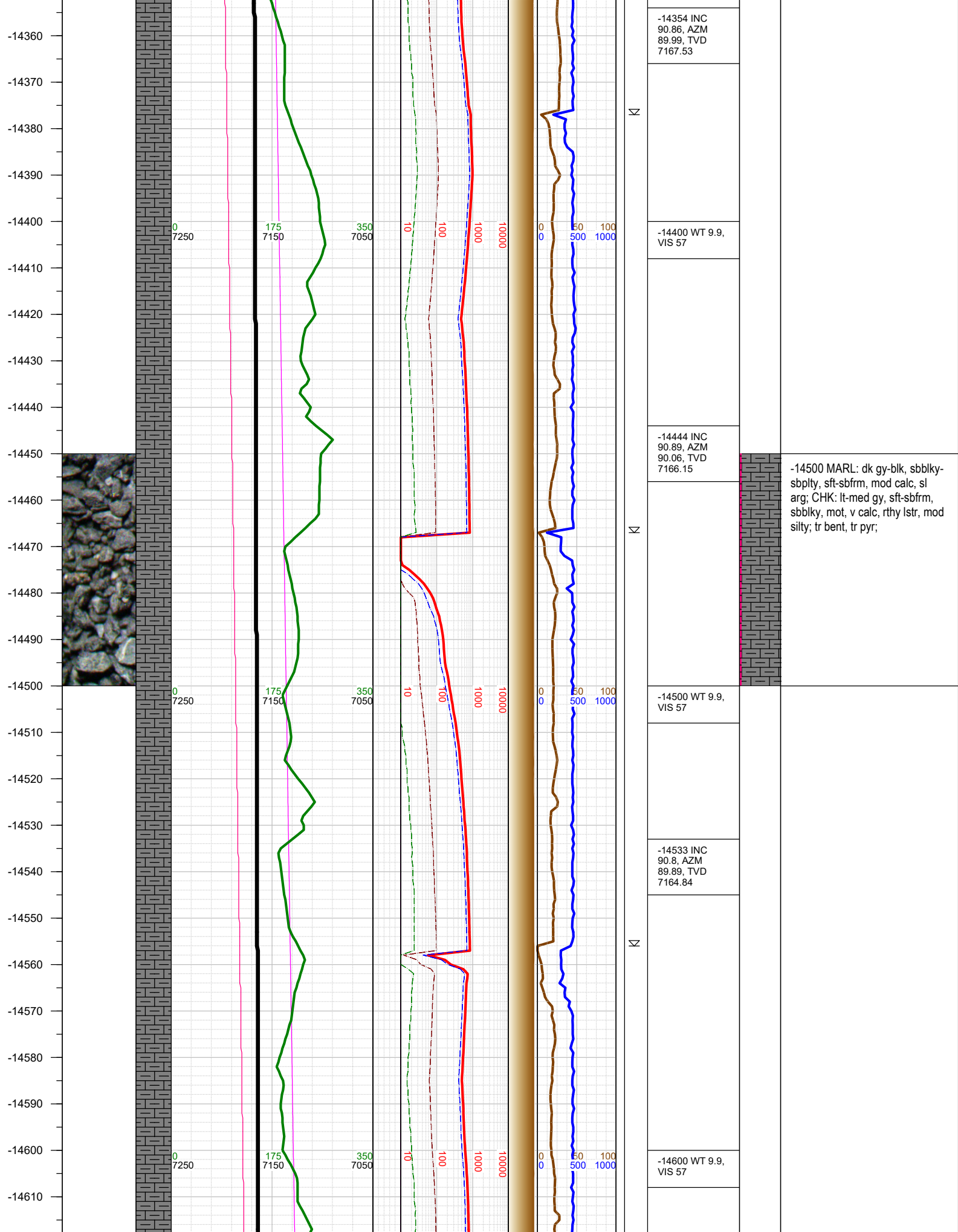


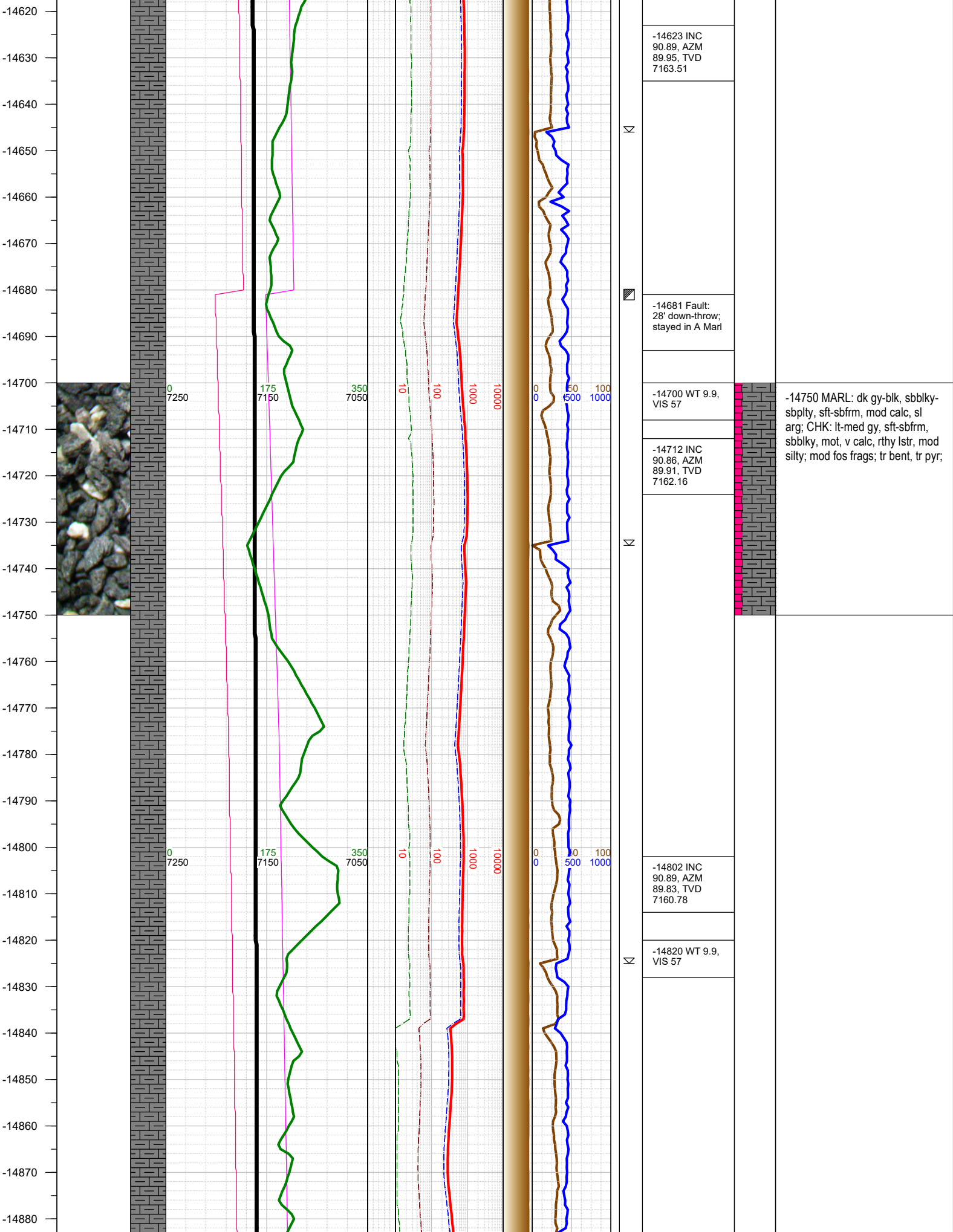


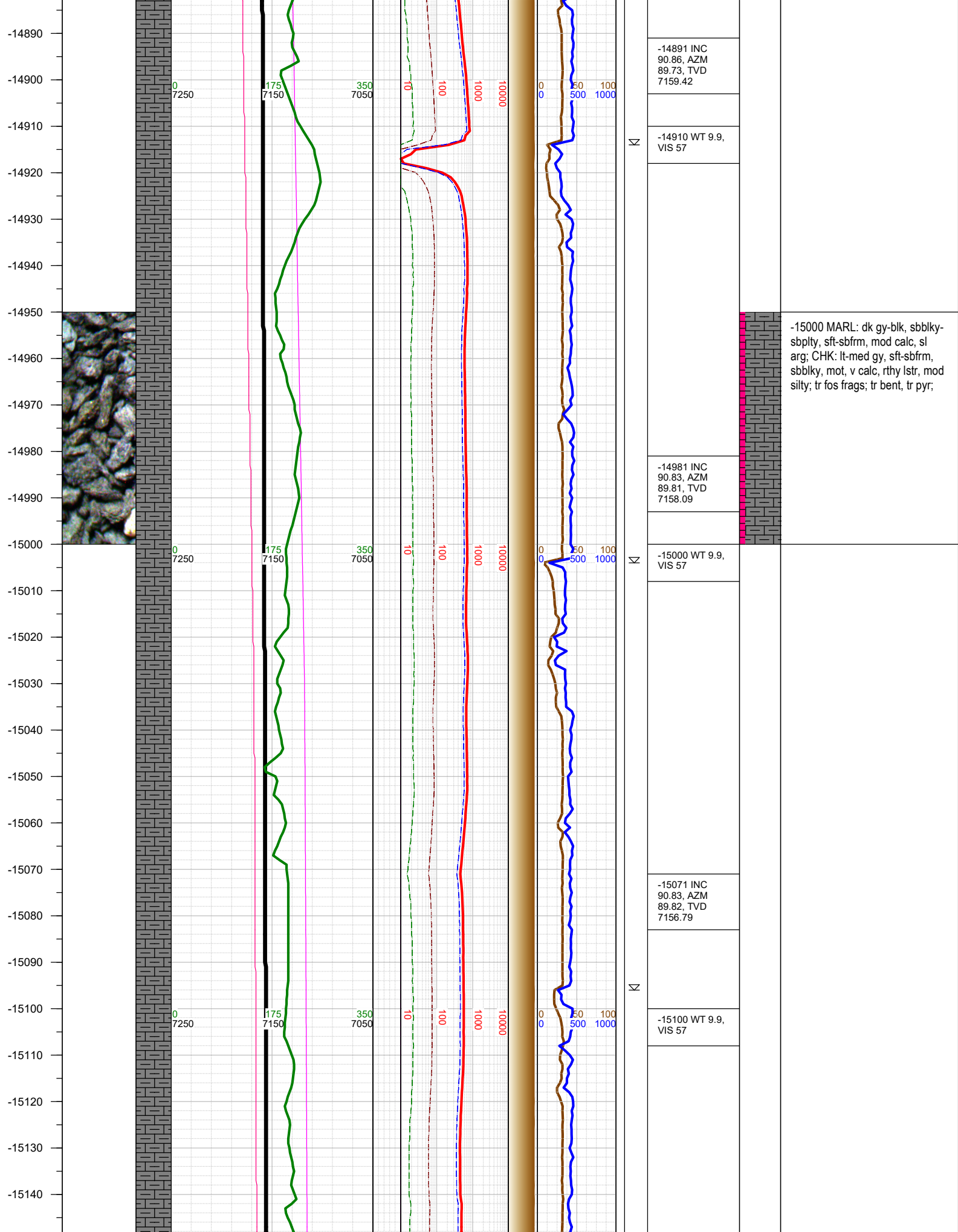




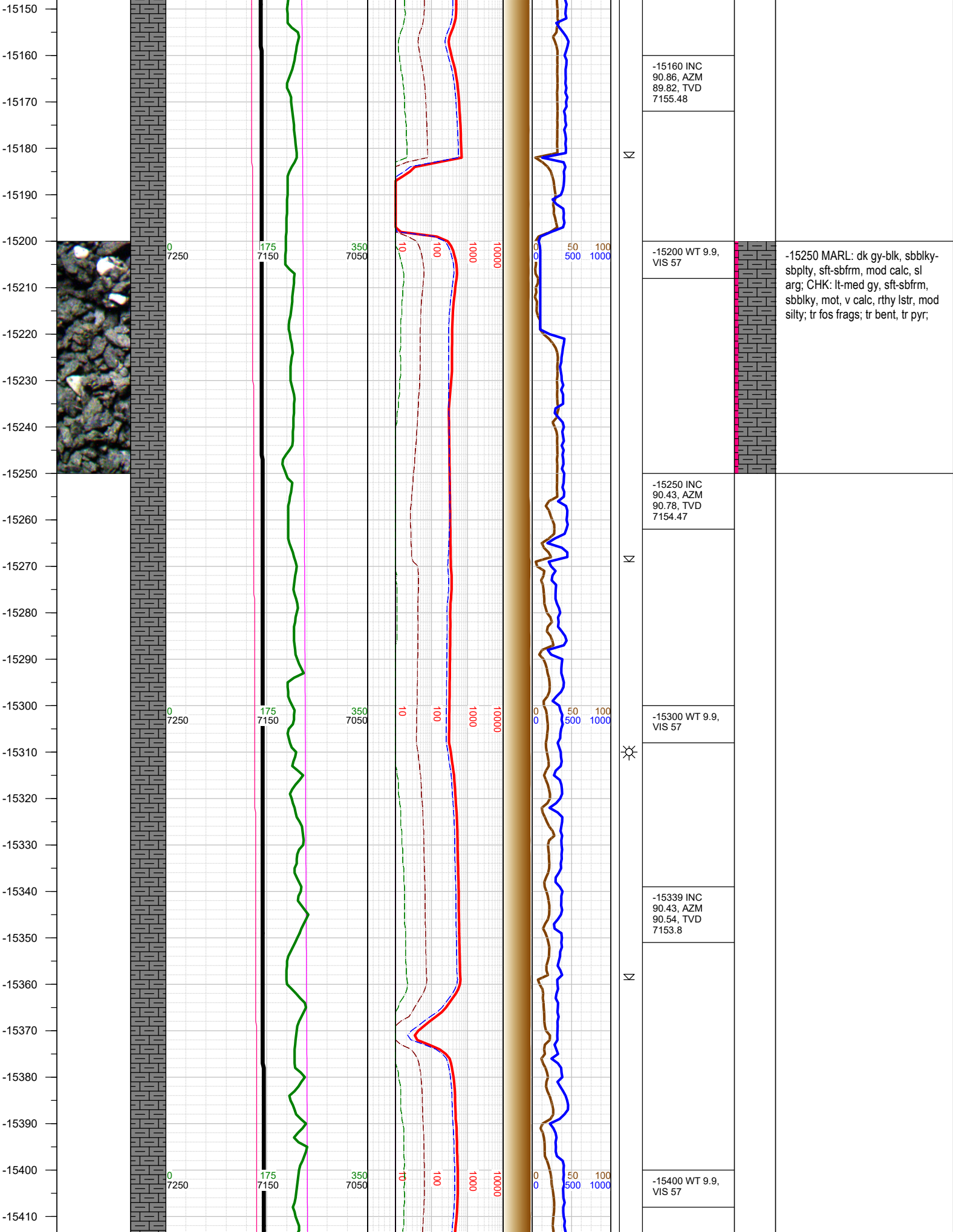




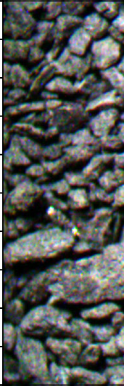








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90.69, TVD  
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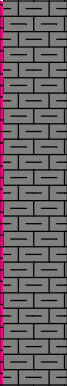
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90.52, TVD  
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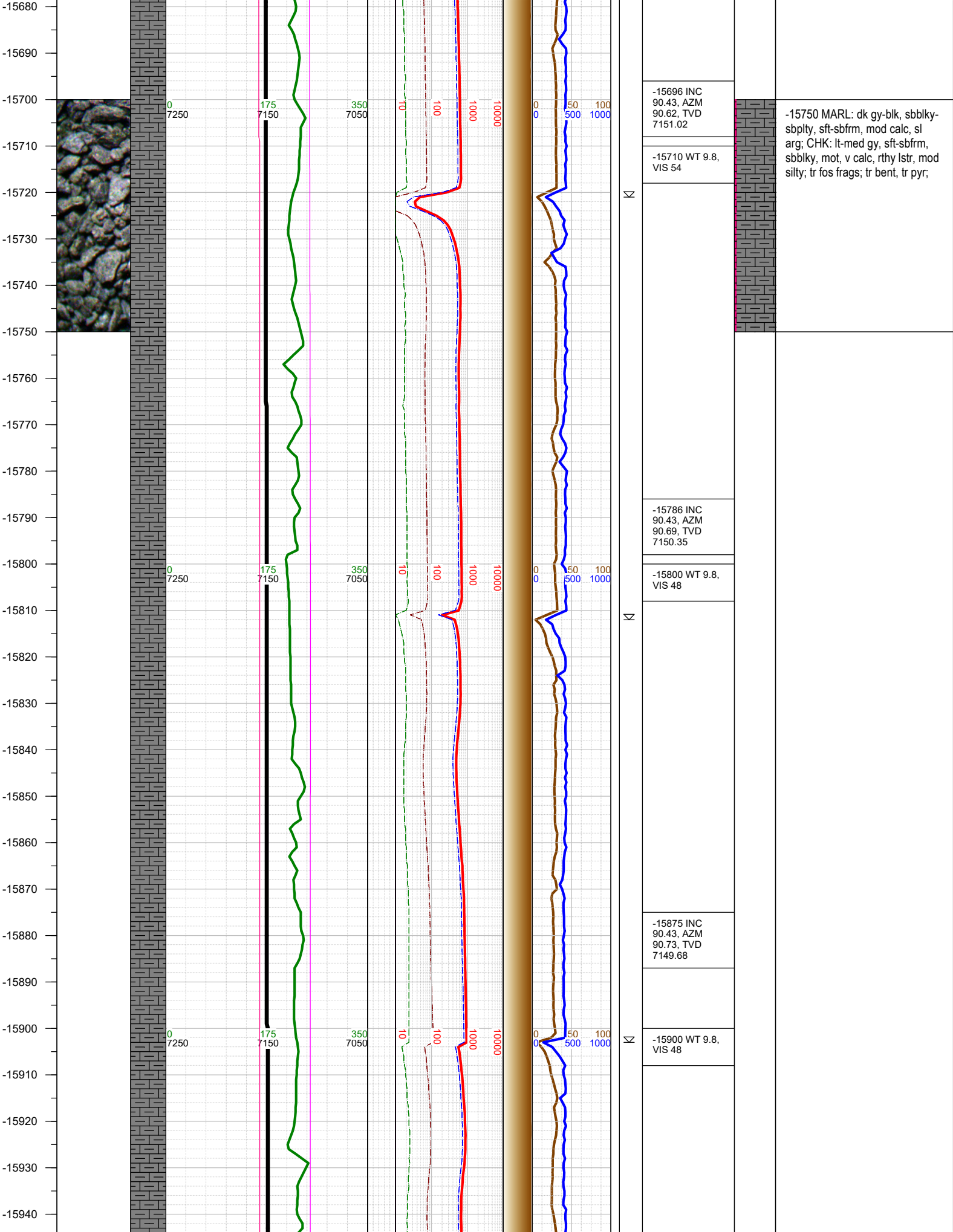
-15607 INC  
90.46, AZM  
90.57, TVD  
7151.72

-15620 WT 9.8,  
VIS 54

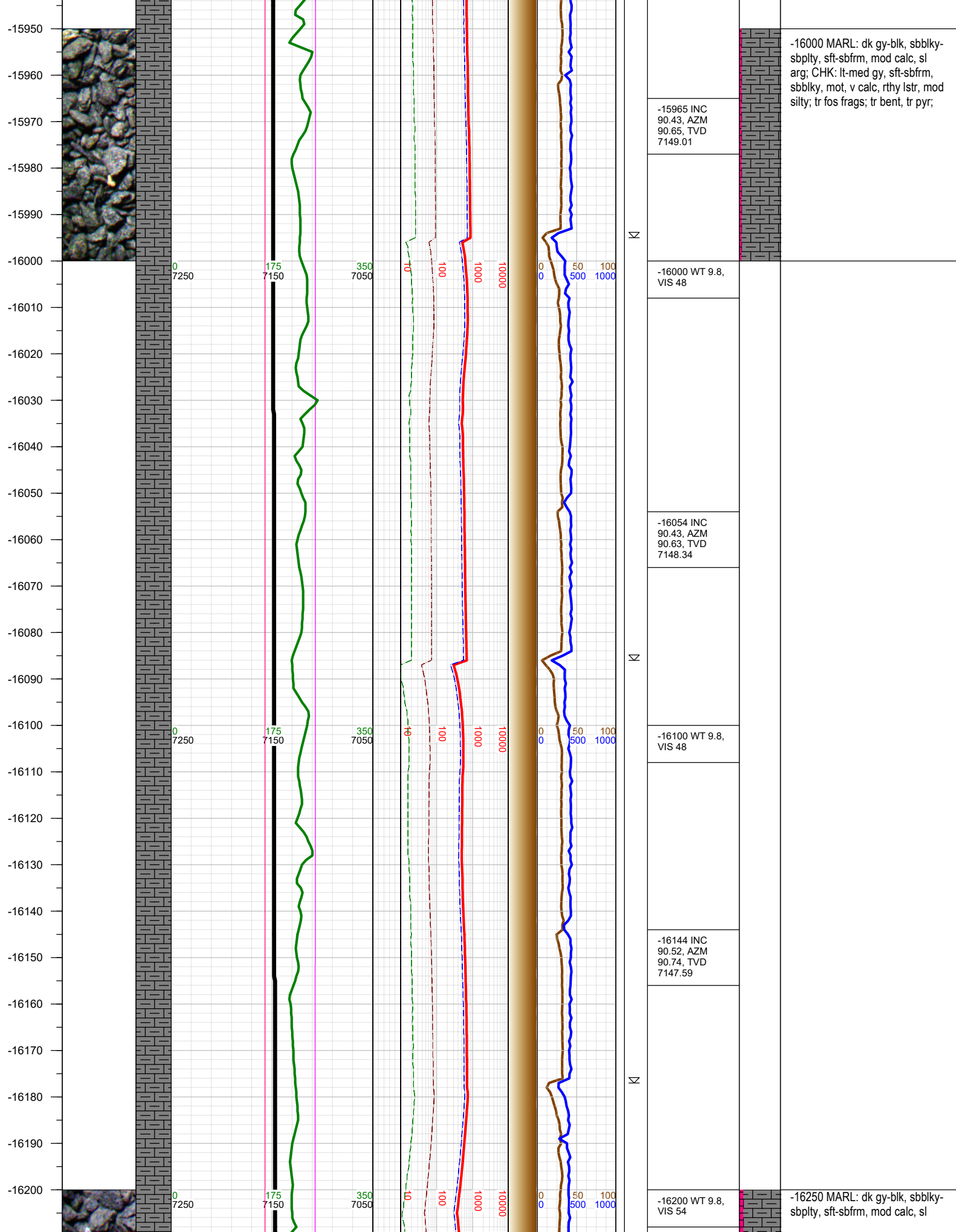
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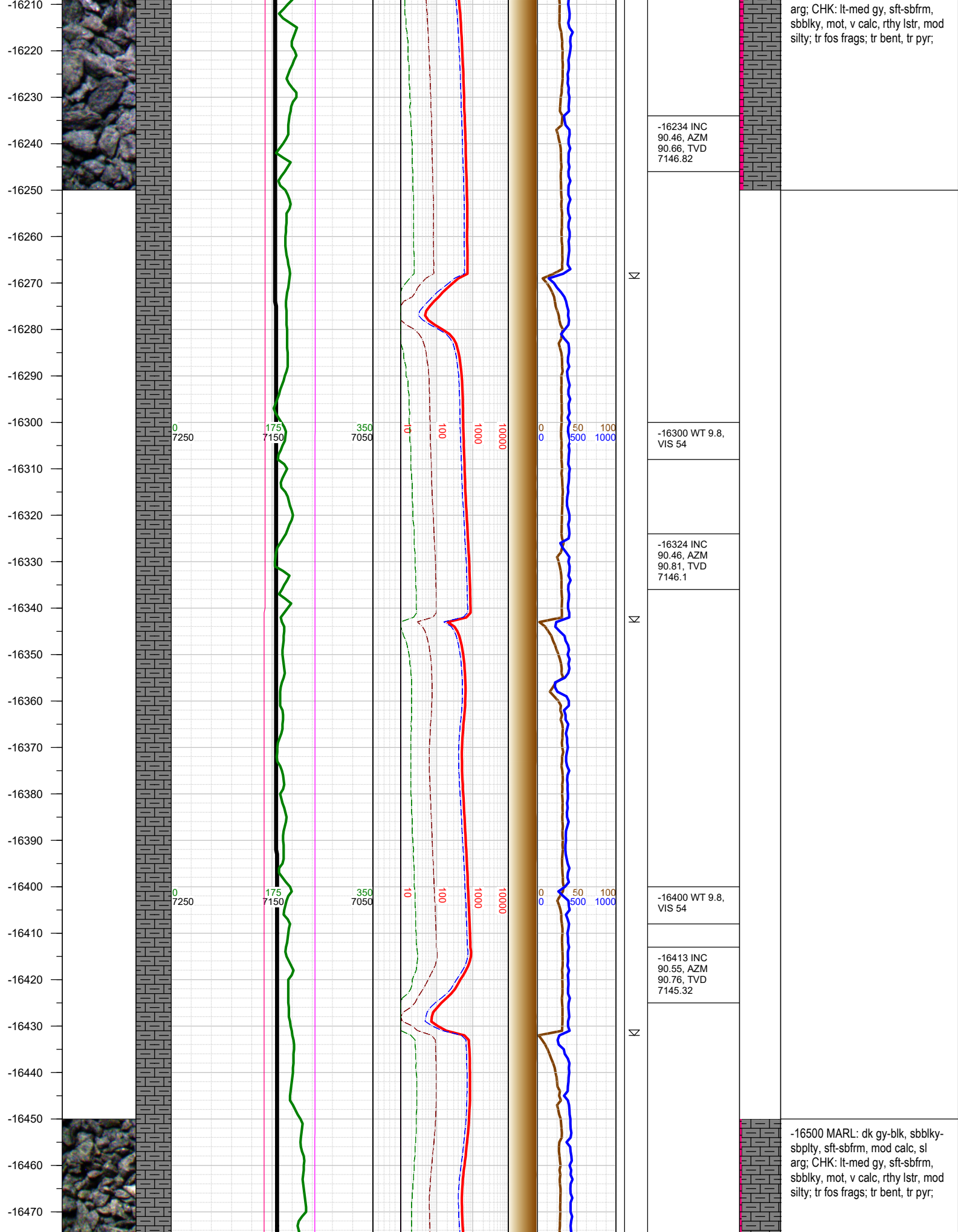


-15500 MARL: dk gy-blk, sbblky-  
sbplty, sft-sbfrm, mod calc, sl  
arg; CHK: lt-med gy, sft-sbfrm,  
sbblky, mot, v calc, rthy lstr, mod  
silty; tr fos frags; tr bent, tr pyr;

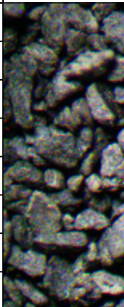
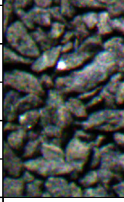








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90.65, TVD  
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-16520 WT 9.8,  
VIS 53

-16592 INC  
90.43, AZM  
90.65, TVD  
7143.83

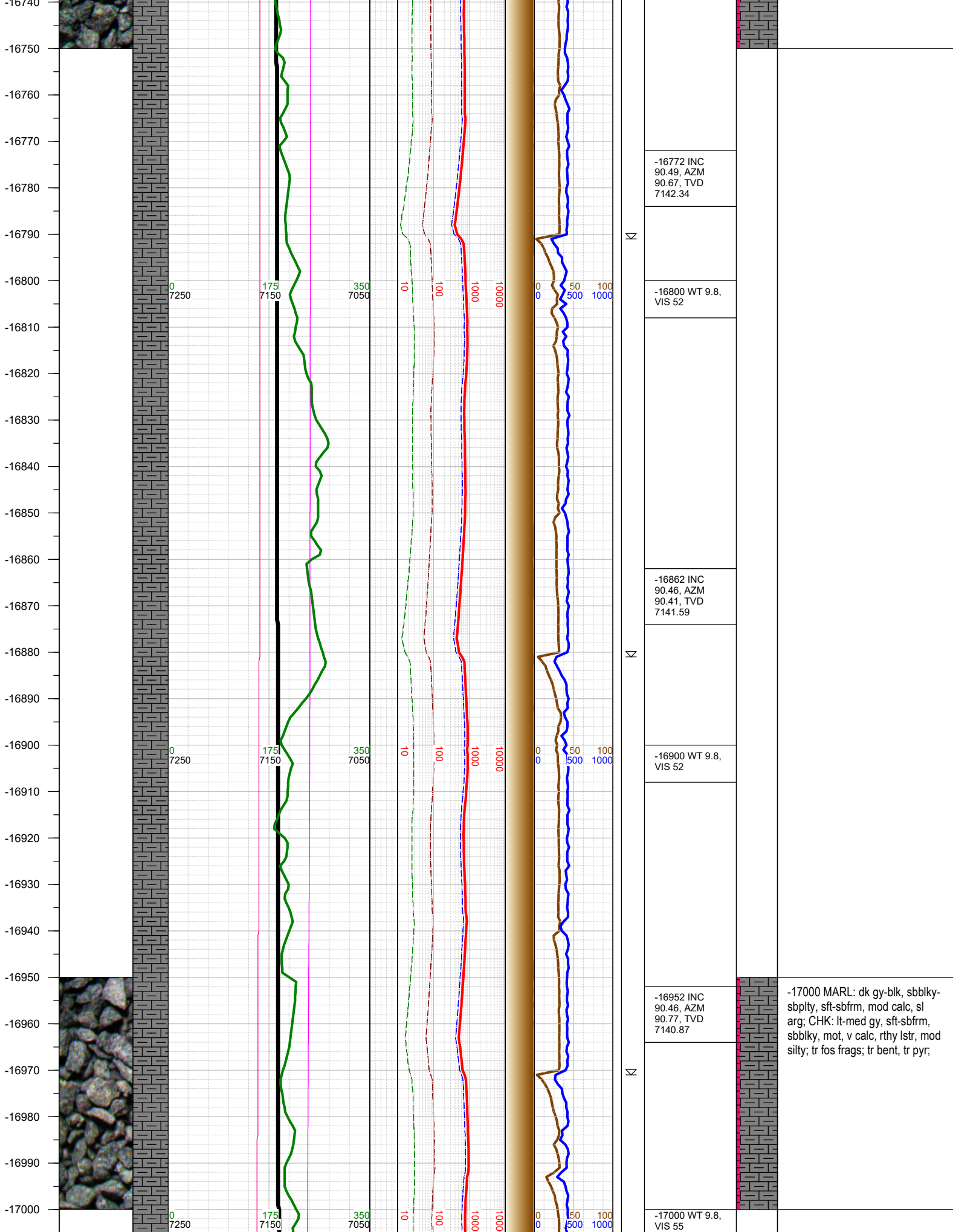
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-16682 INC  
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90.83, TVD  
7143.11

-16700 WT 9.8,  
VIS 53

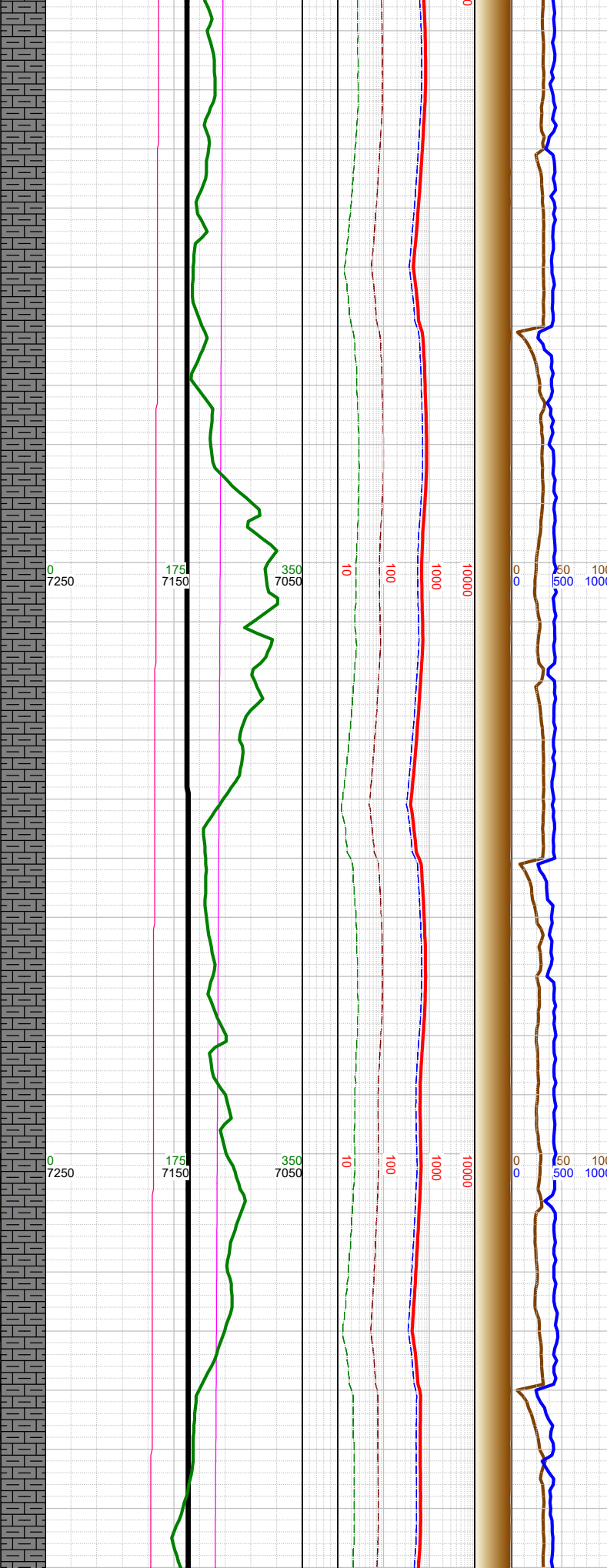
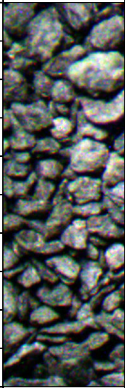
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sbply, sft-sbfrm, mod calc, sl  
arg; CHK: lt-med gy, sft-sbfrm,  
sbblky, mot, v calc, rthy lstr, mod  
silty; tr fos frags; tr bent, tr pyr;



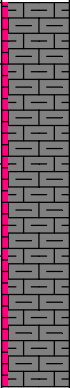


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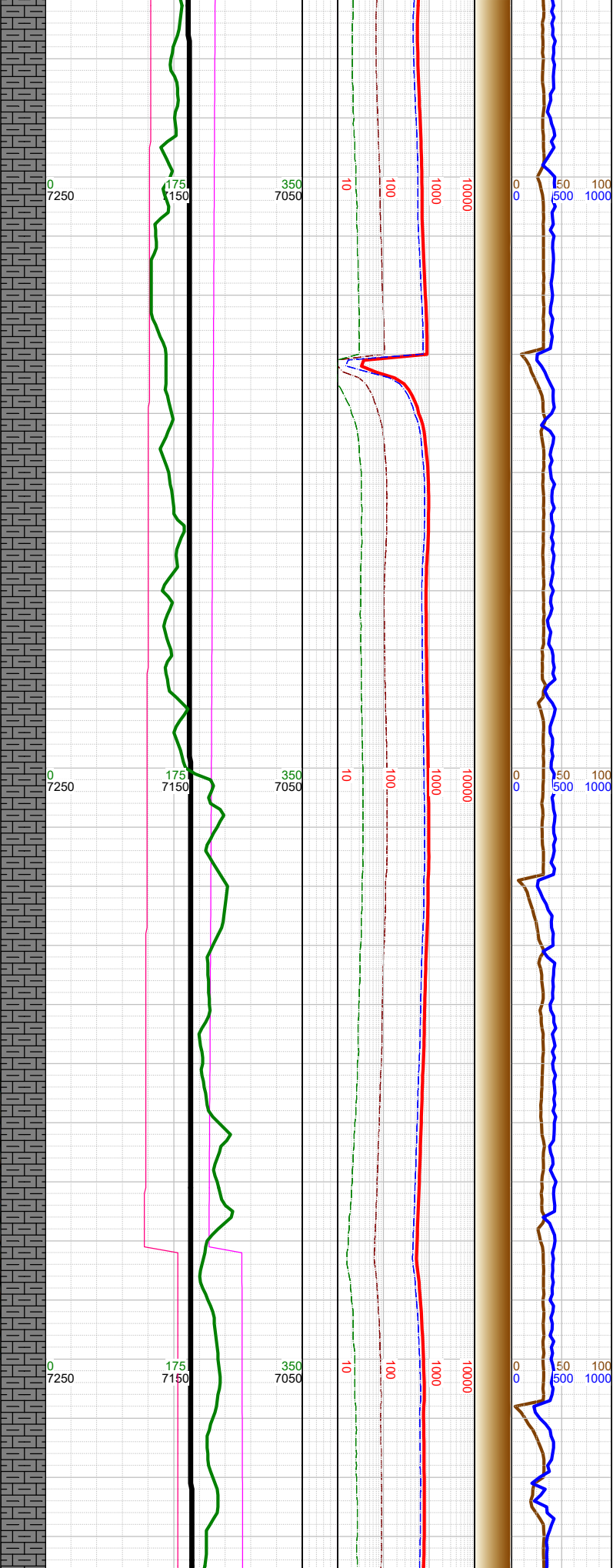
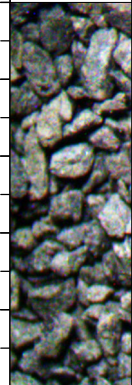


	-17041 INC 90.43, AZM 90.73, TVD 7140.18	
Σ		
	-17100 WT 9.8, VIS 55	
	-17131 INC 90.37, AZM 90.56, TVD 7139.55	
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	-17200 WT 9.8, VIS 55	
	-17221 INC 90.4, AZM 90.48, TVD 7138.95	
Σ		
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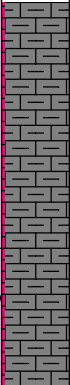


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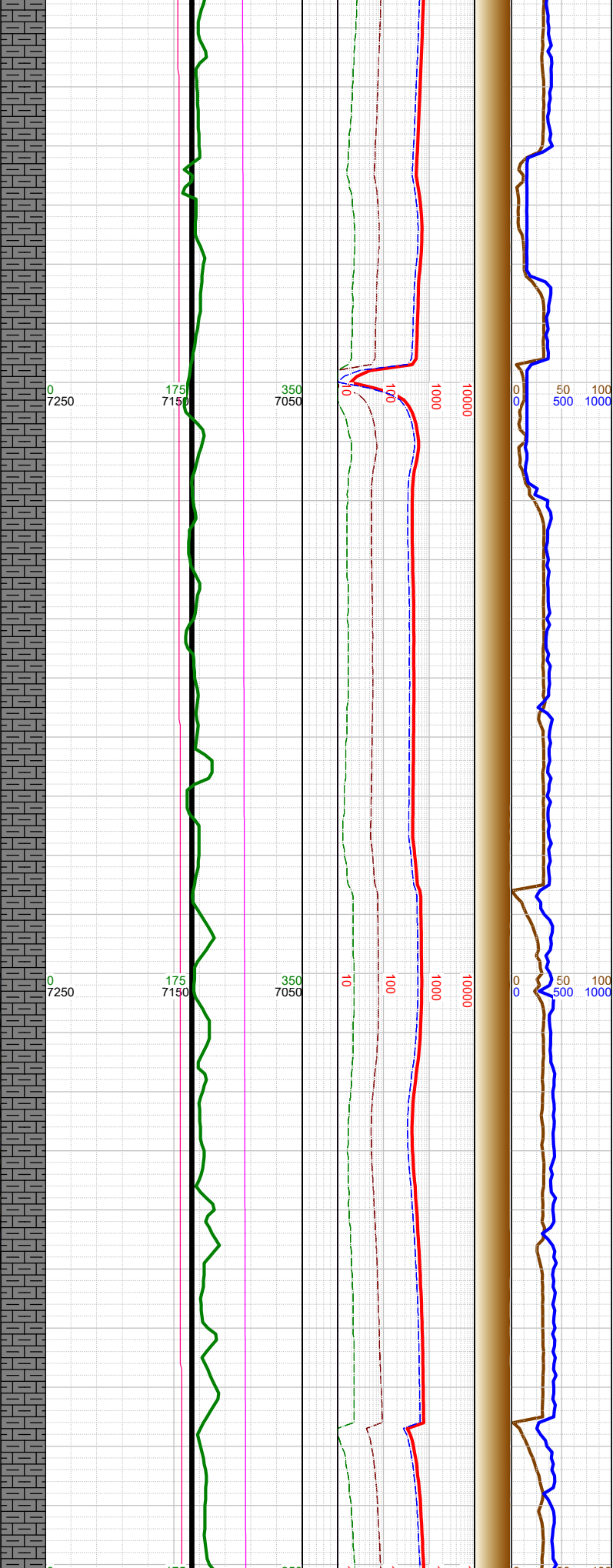
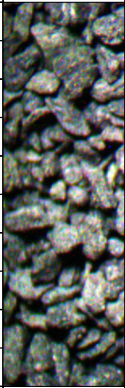
	-17269 0000 hrs on 1/7/2024
	-17300 WT 9.8, VIS 52
	-17310 INC 90.52, AZM 90.75, TVD 7138.23
⌵	
	-17399 INC 90.43, AZM 90.49, TVD 7137.49
⌵	
	-17420 WT 9.8, VIS 52
▣	-17482 Fault: 26' up-throw; stayed in A Marl
	-17488 INC 90.49, AZM 90.76, TVD 7136.78
⌵	
	-17510 WT 9.8, VIS 50



-17500 MARL: dk gy-blk, sbbly-  
sbply, sft-sbfrm, mod calc, sl  
arg; CHK: lt-med gy, sft-sbfrm,  
sbbly, mot, v calc, rthy lstr, mod  
silty; tr fos frags; tr bent, 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

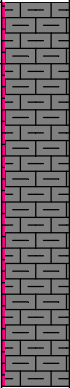


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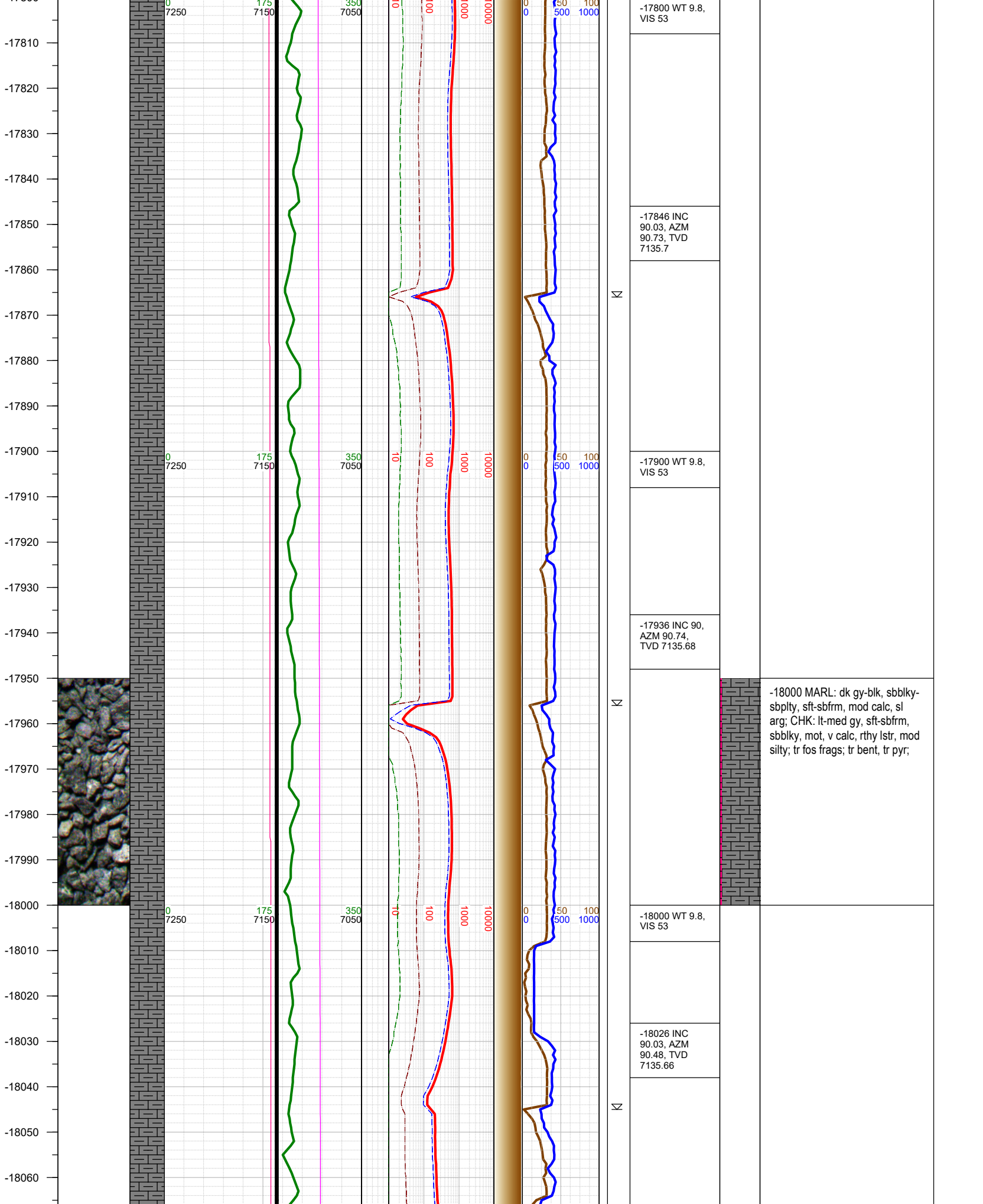
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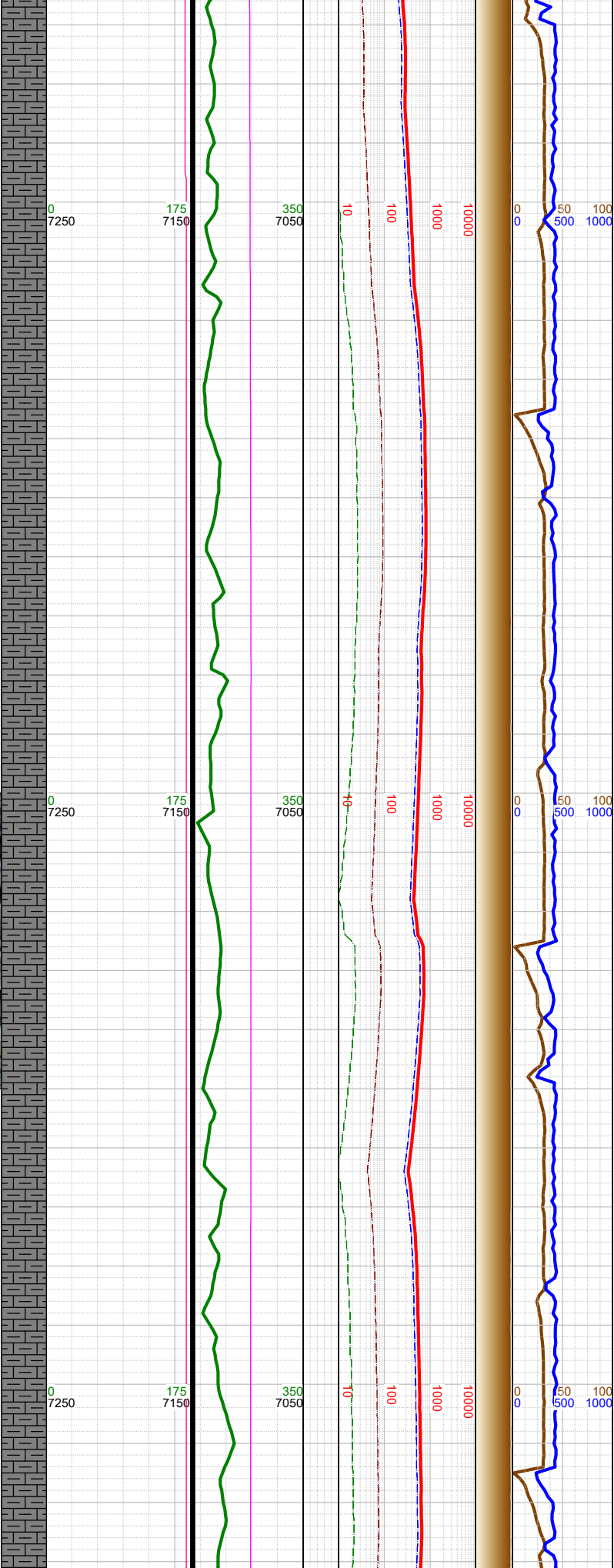
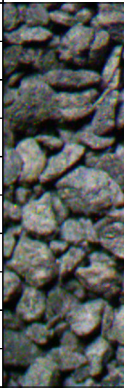
	-17577 INC 90.46, AZM 90.67, TVD 7136.04
	-17600 WT 9.8, VIS 50
	-17667 INC 90, AZM 90.74, TVD 7135.68
	-17700 WT 9.8, VIS 50
	-17757 INC 89.97, AZM 90.66, TVD 7135.7



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



-18070  
-18080  
-18090  
-18100  
-18110  
-18120  
-18130  
-18140  
-18150  
-18160  
-18170  
-18180  
-18190  
-18200  
-18210  
-18220  
-18230  
-18240  
-18250  
-18260  
-18270  
-18280  
-18290  
-18300  
-18310  
-18320  
-18330



Σ

Σ

Σ

-18100 WT 9.8,  
VIS 53

-18117 INC  
89.97, AZM  
89.82, TVD  
7135.66

-18206 INC 90,  
AZM 89.76,  
TVD 7135.68

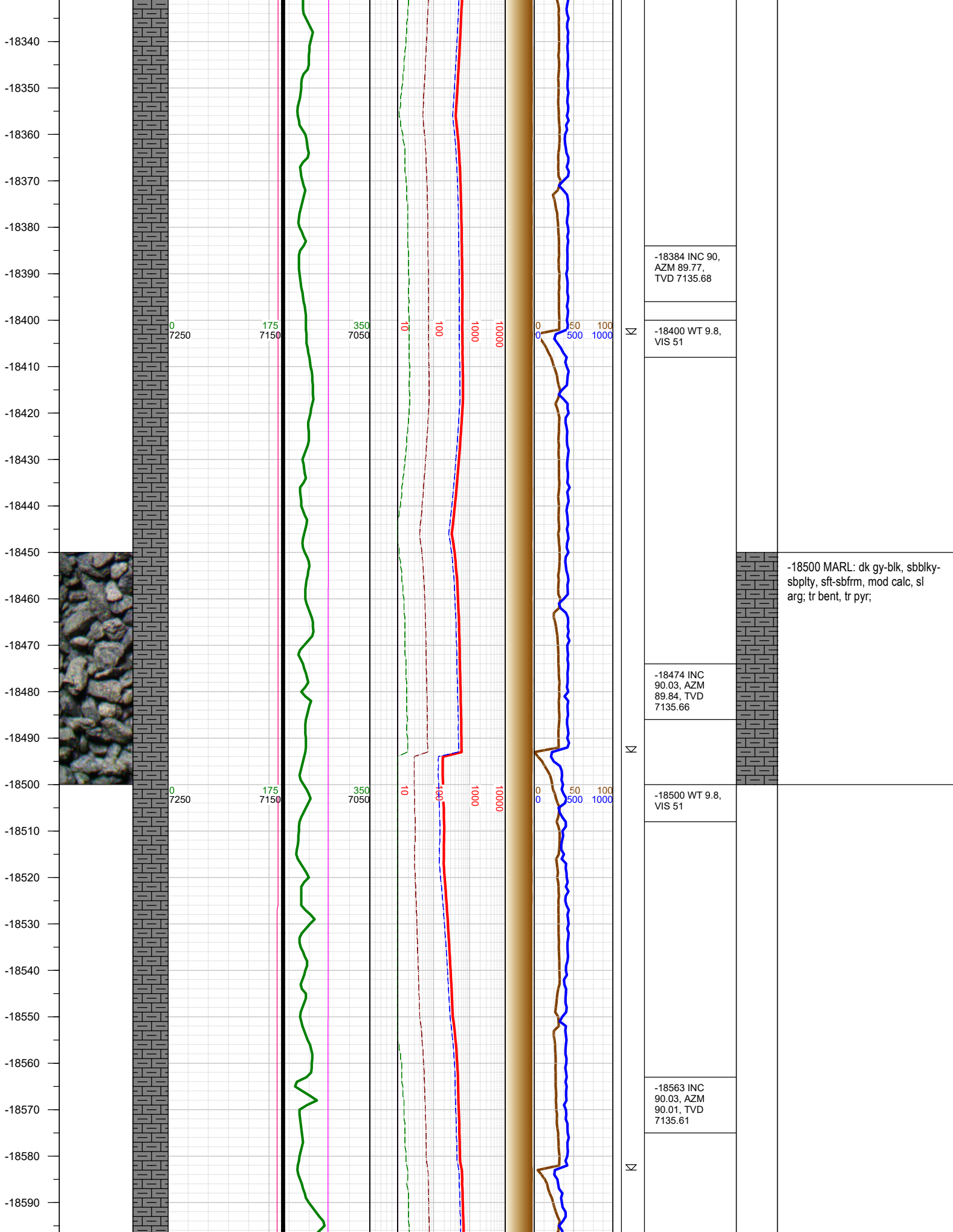
-18220 WT 9.8,  
VIS 53

-18293 INC 90,  
AZM 89.85,  
TVD 7135.68

-18310 WT 9.8,  
VIS 53

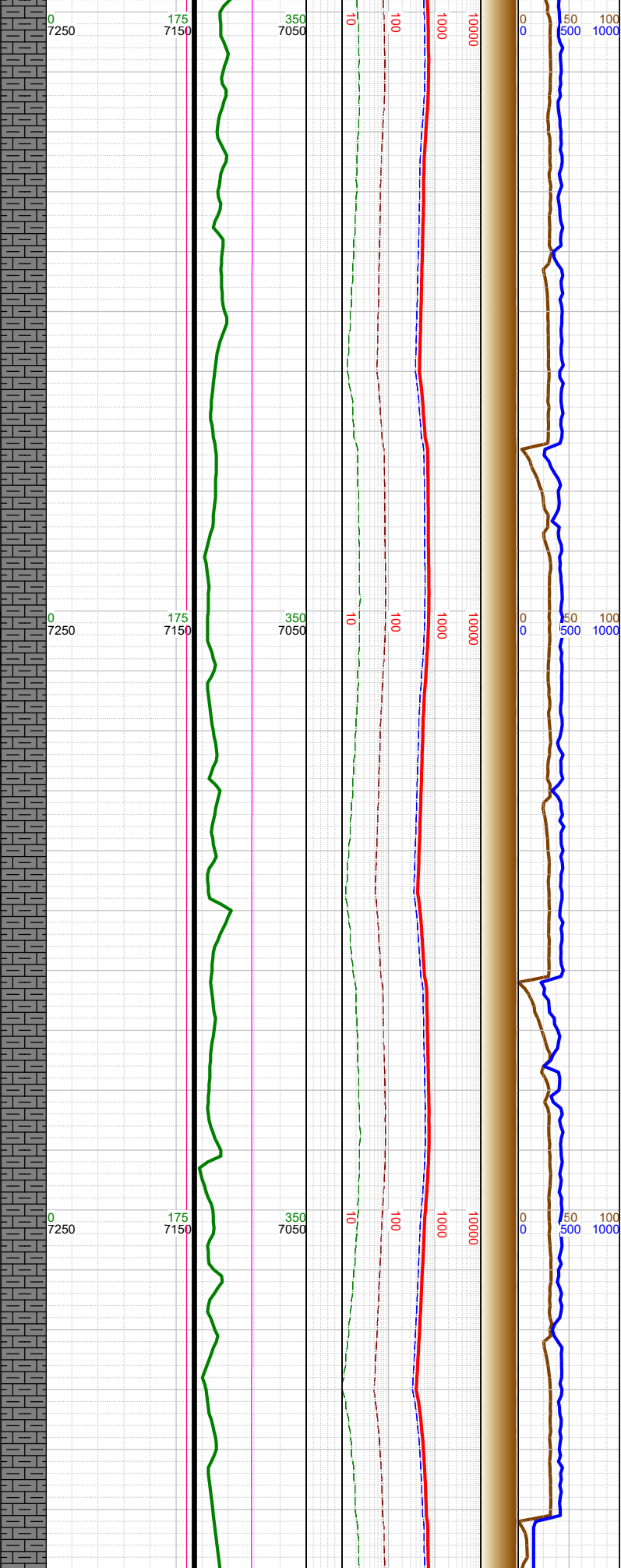
-18250 MARL: dk gy-blk, sbblky-  
sbply, sft-sbfrm, mod calc, sl  
arg; tr bent, tr pyr;





-18500 MARL: dk gy-blk, sbblky-sbply, sft-sbfm, mod calc, sl arg; tr bent, tr pyr;

-18600  
-18610  
-18620  
-18630  
-18640  
-18650  
-18660  
-18670  
-18680  
-18690  
-18700  
-18710  
-18720  
-18730  
-18740  
-18750  
-18760  
-18770  
-18780  
-18790  
-18800  
-18810  
-18820  
-18830  
-18840  
-18850  
-18860

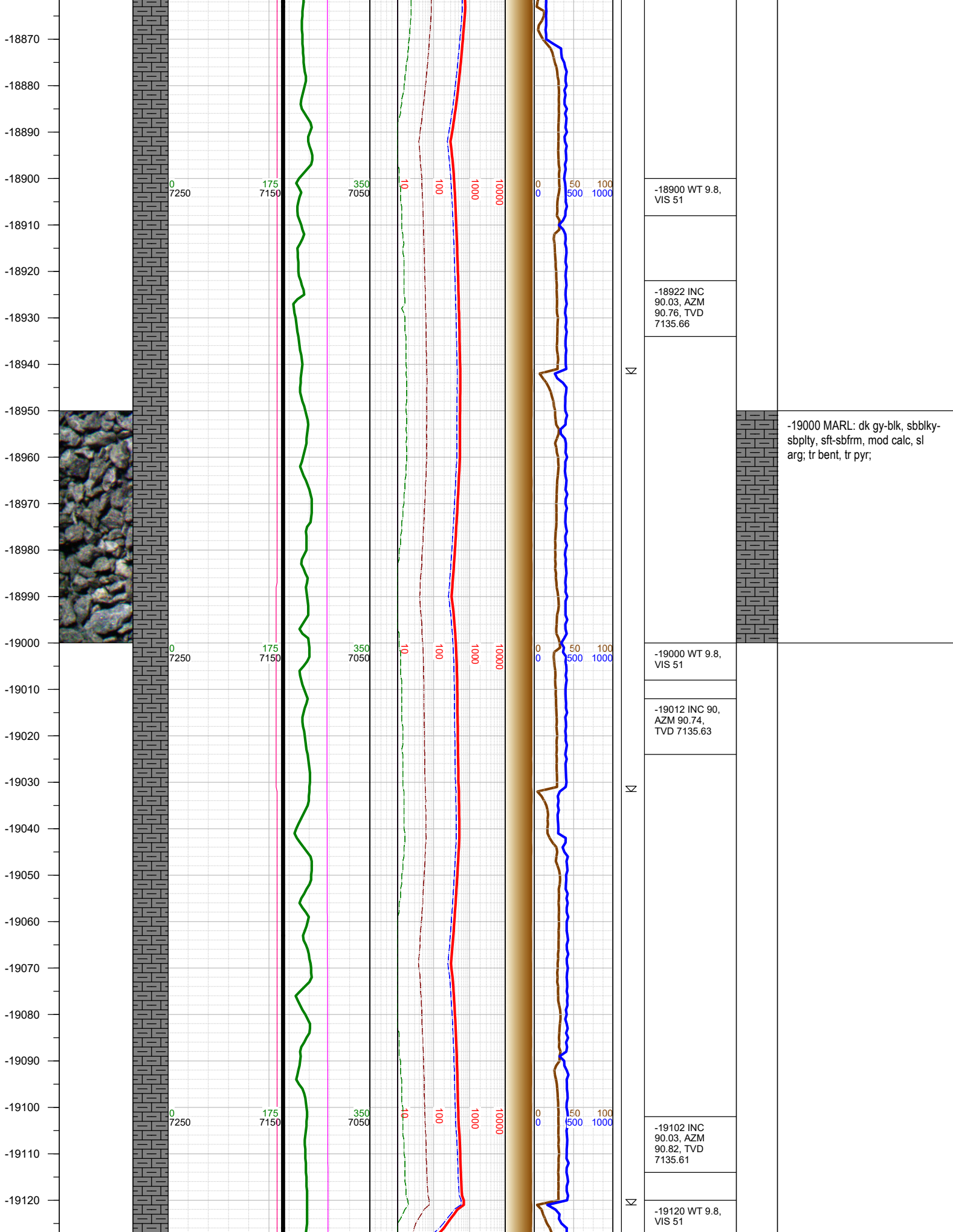


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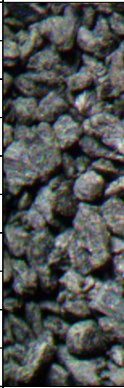
Σ

-18600 WT 9.8, VIS 51	
-18653 INC 89.97, AZM 89.74, TVD 7135.61	
-18700 WT 9.8, VIS 51	-18750 MARL: dk gy-blk, sbblky- sbply, sft-sbfrm, mod calc, sl arg; tr bent, tr pyr;
-18743 INC 90, AZM 89.77, TVD 7135.63	
-18800 WT 9.8, VIS 51	
-18833 INC 89.97, AZM 89.9, TVD 7135.66	





-19130  
-19140  
-19150  
-19160  
-19170  
-19180  
-19190  
-19200  
-19210  
-19220  
-19230  
-19240  
-19250  
-19260  
-19270  
-19280  
-19290  
-19300  
-19310  
-19320  
-19330  
-19340  
-19350  
-19360  
-19370  
-19380  
-19390



0  
7250

175  
7150

350  
7050

10  
10

100  
100

1000  
1000

10000

0  
0

50  
50

100  
100

1000  
1000

-19192 INC  
89.94, AZM  
90.55, TVD  
7135.63

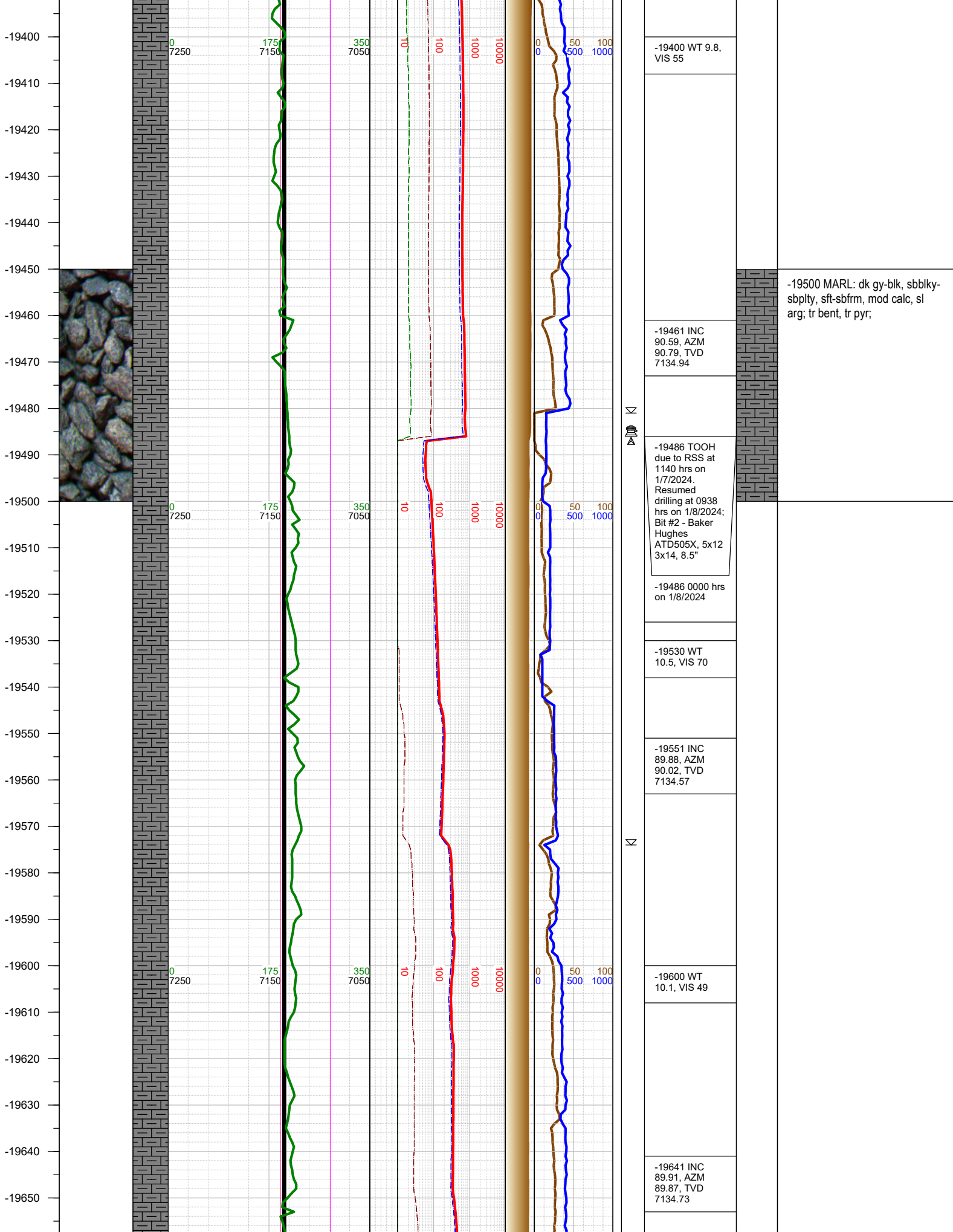
-19210 WT 9.8,  
VIS 51

-19282 INC  
90.06, AZM  
90.91, TVD  
7135.63

-19300 WT 9.8,  
VIS 51

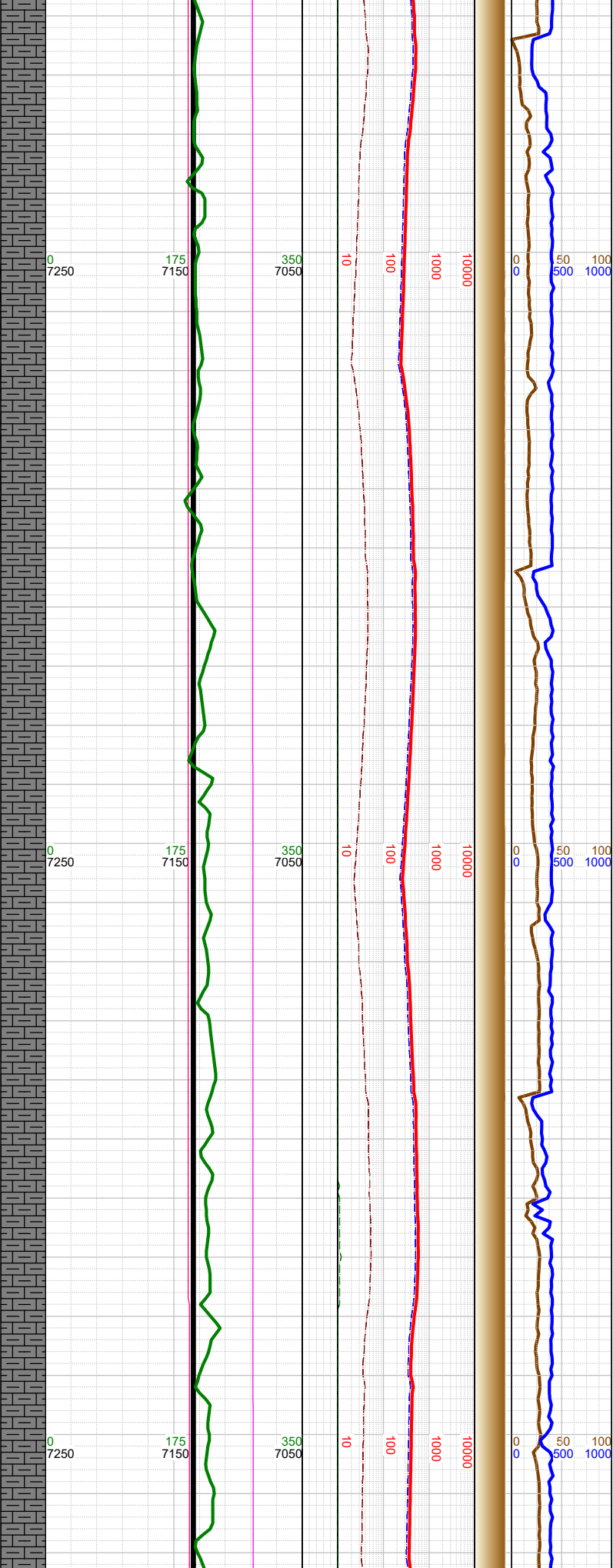
-19371 INC  
90.12, AZM  
90.77, TVD  
7135.49

-19250 MARL: dk gy-blk, sbblky-  
sbply, sft-sbfrm, mod calc, sl  
arg; tr bent, tr pyr;



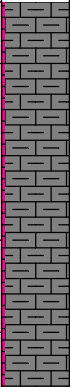
-19500 MARL: dk gy-blk, sbblky-sbply, sft-sbfrm, mod calc, sl arg; tr bent, tr pyr;

-19660  
-19670  
-19680  
-19690  
-19700  
-19710  
-19720  
-19730  
-19740  
-19750  
-19760  
-19770  
-19780  
-19790  
-19800  
-19810  
-19820  
-19830  
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-19850  
-19860  
-19870  
-19880  
-19890  
-19900  
-19910  
-19920



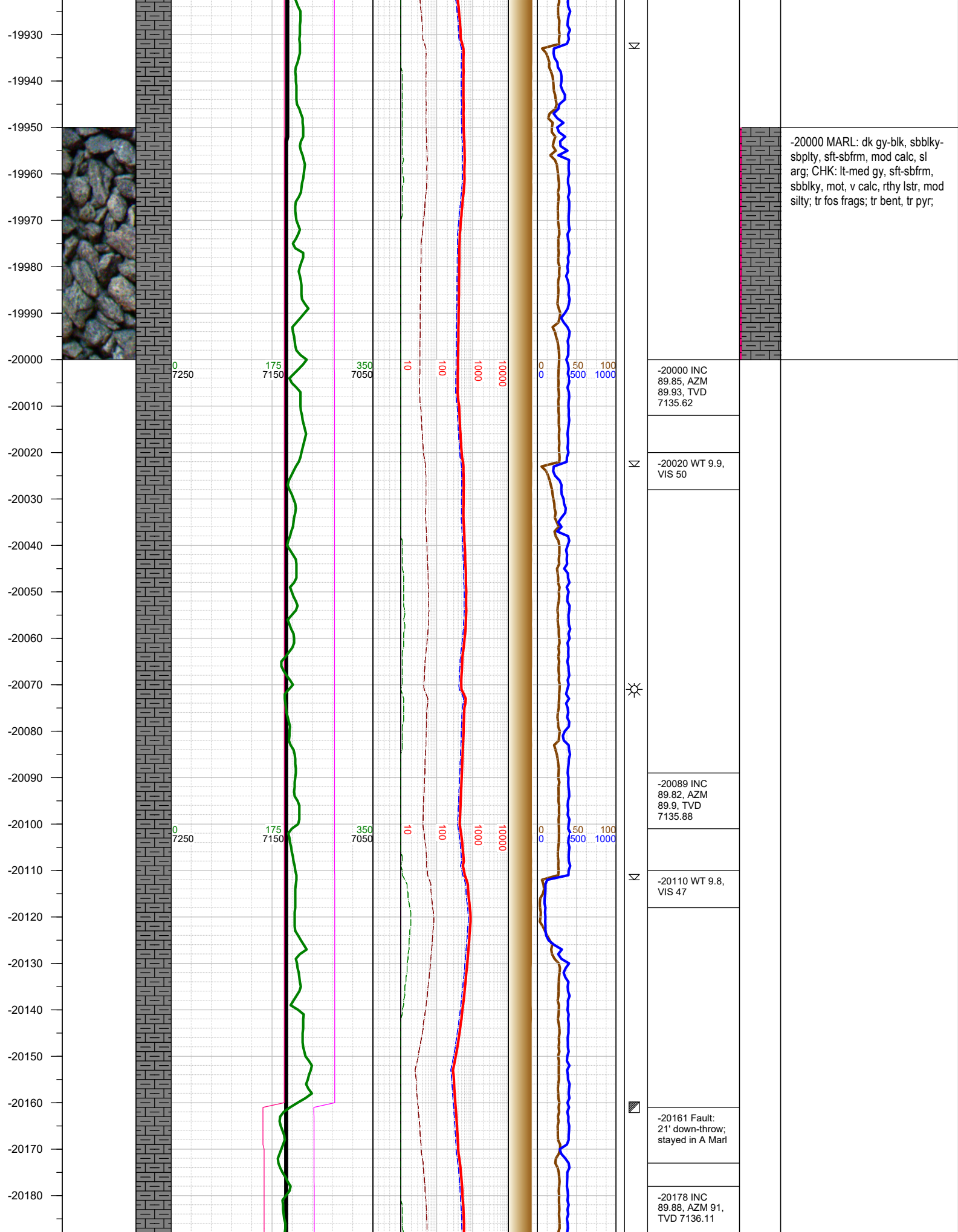
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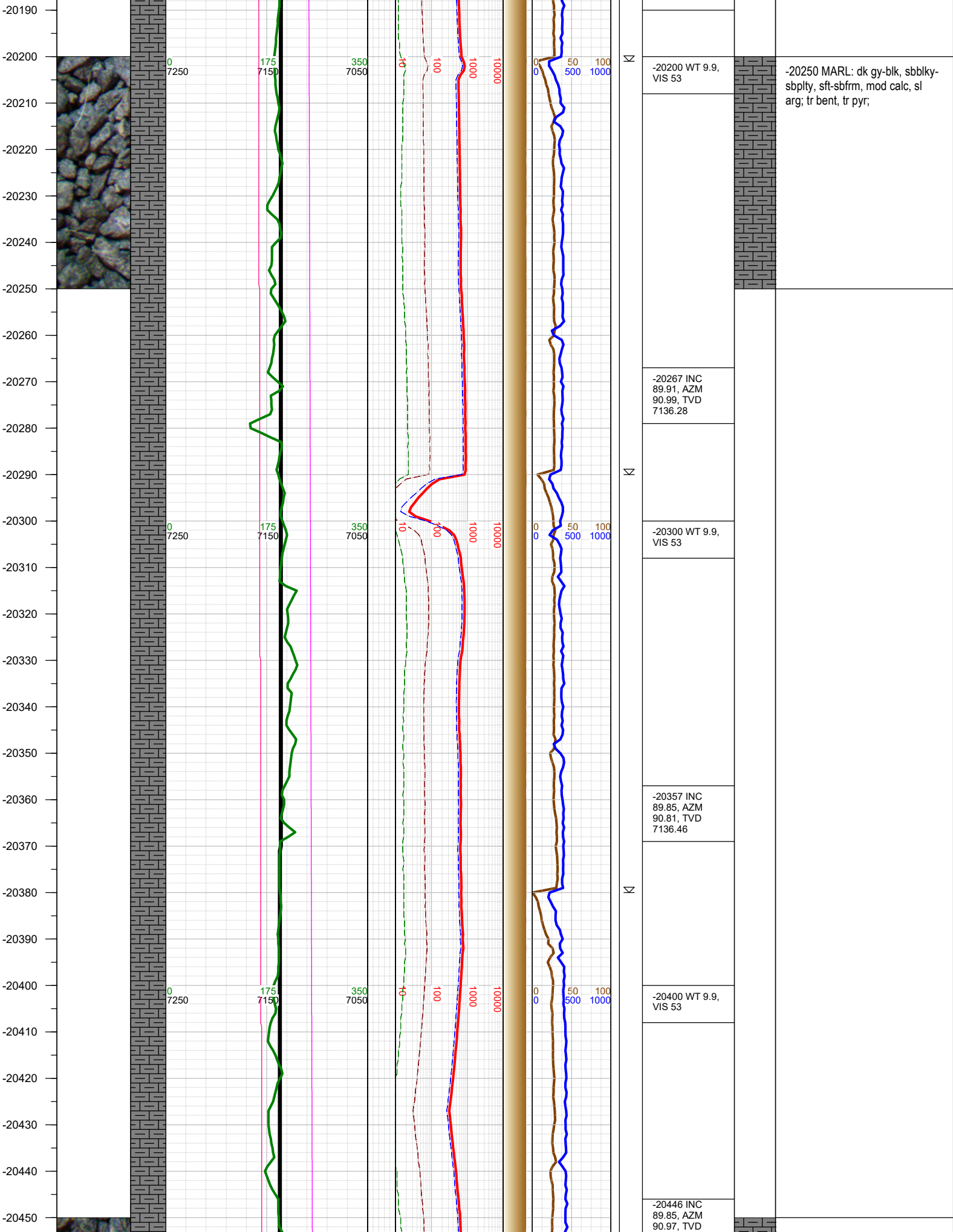
-19700 WT 9.9, VIS 50	
-19731 INC 89.82, AZM 90.01, TVD 7134.94	
-19800 WT 9.9, VIS 50	
-19820 INC 89.88, AZM 89.92, TVD 7135.18	
-19900 WT 9.9, VIS 50	
-19910 INC 89.85, AZM 89.99, TVD 7135.39	



-19750 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, mod silty; tr fos frags; tr bent, tr pyr;

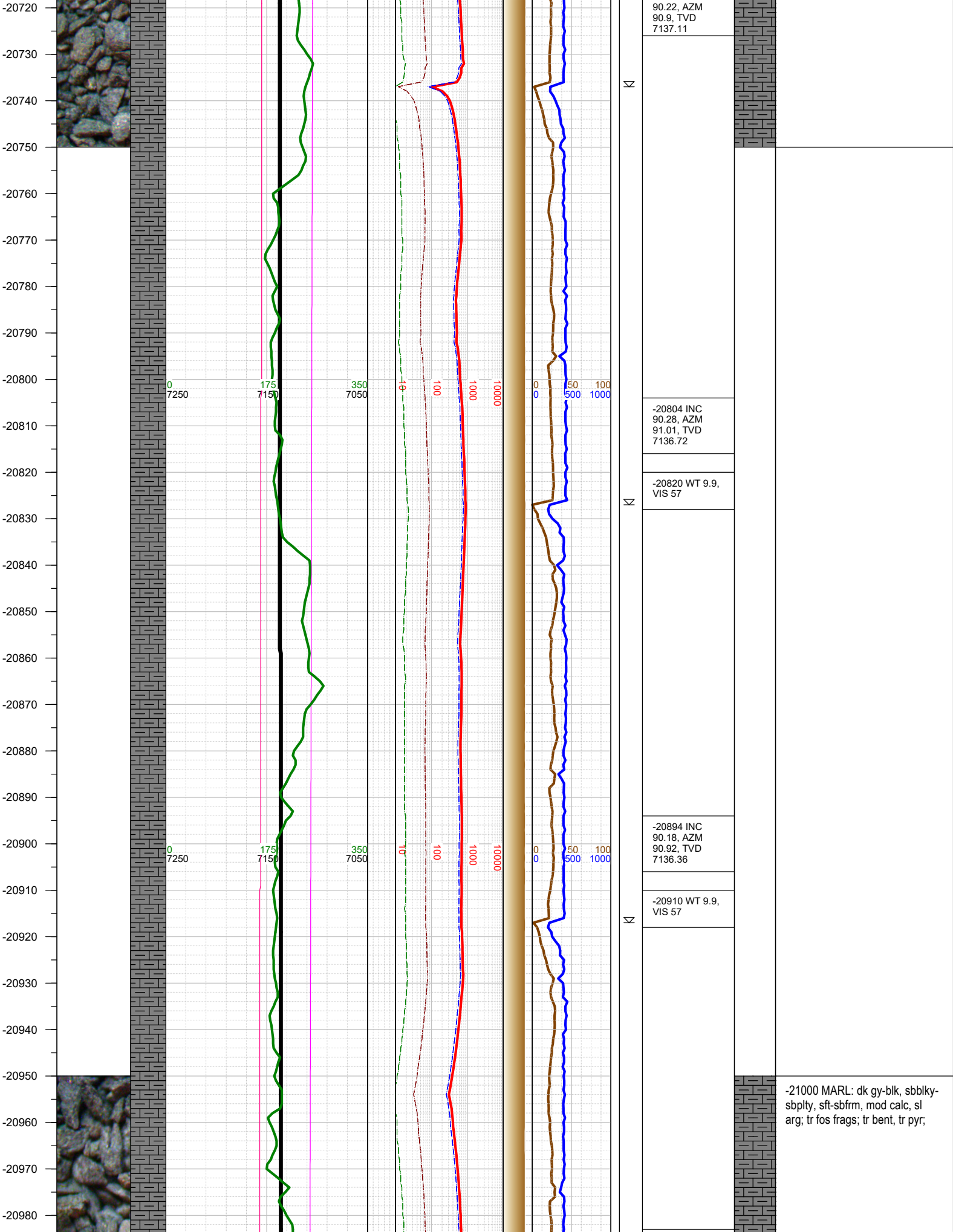


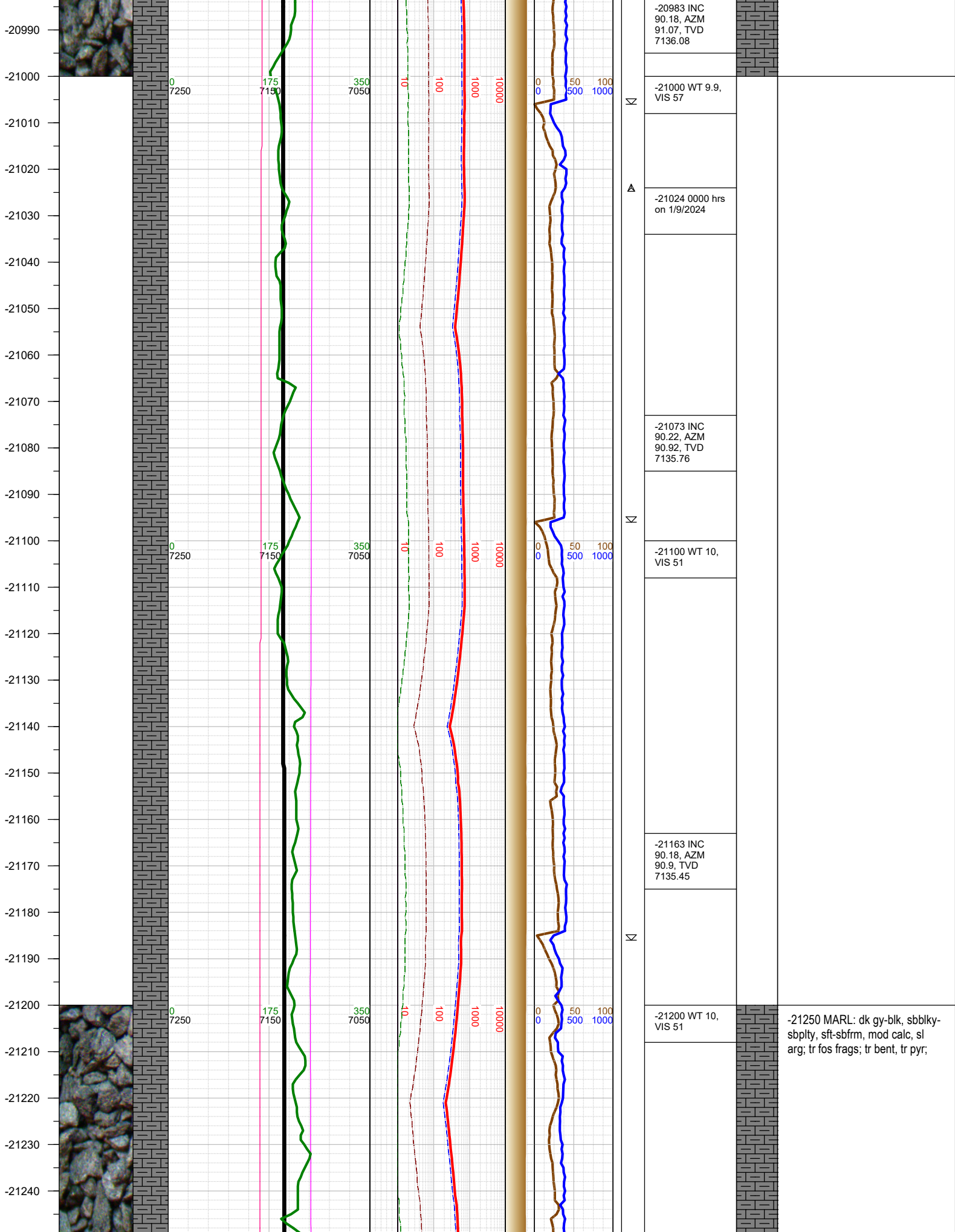


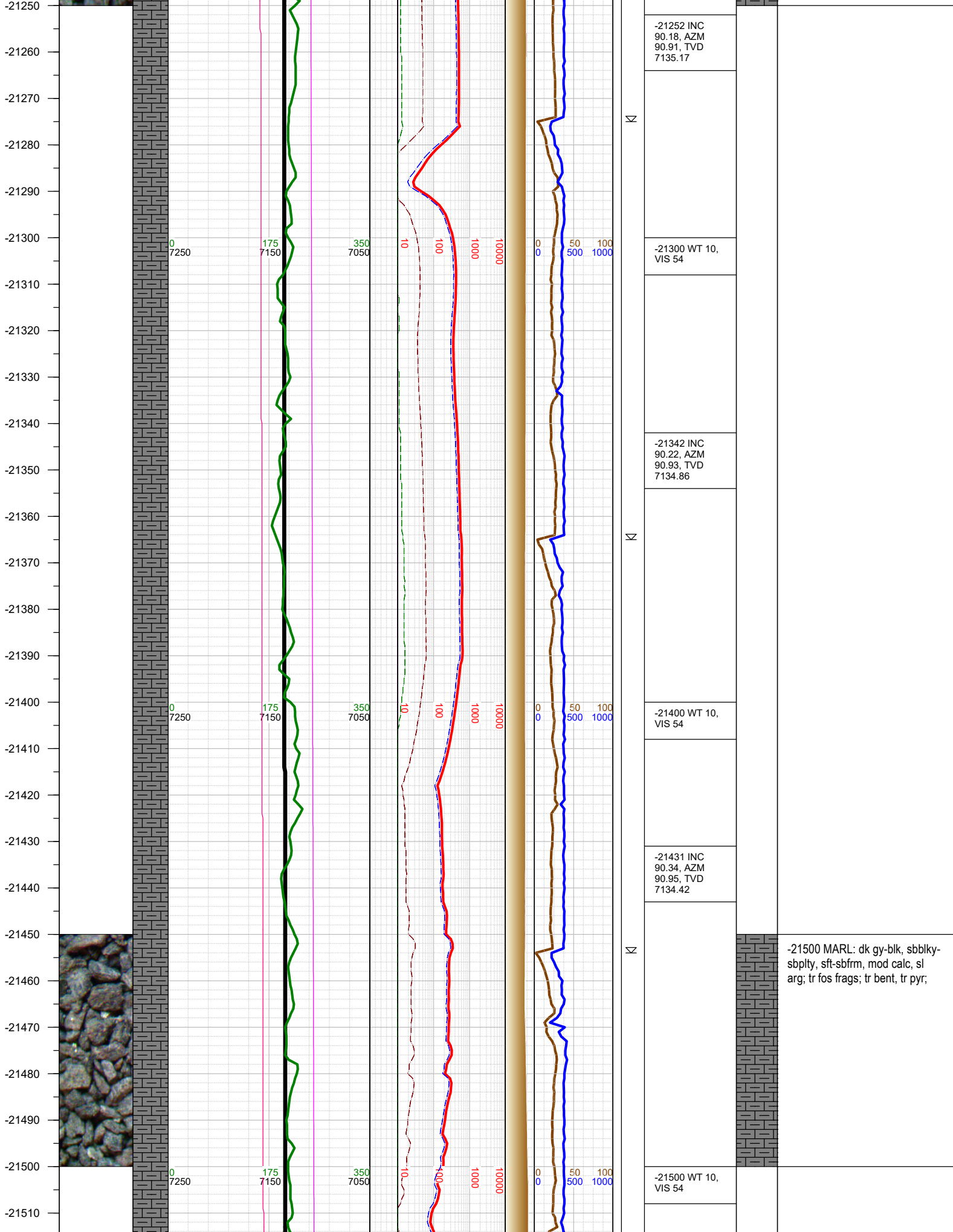




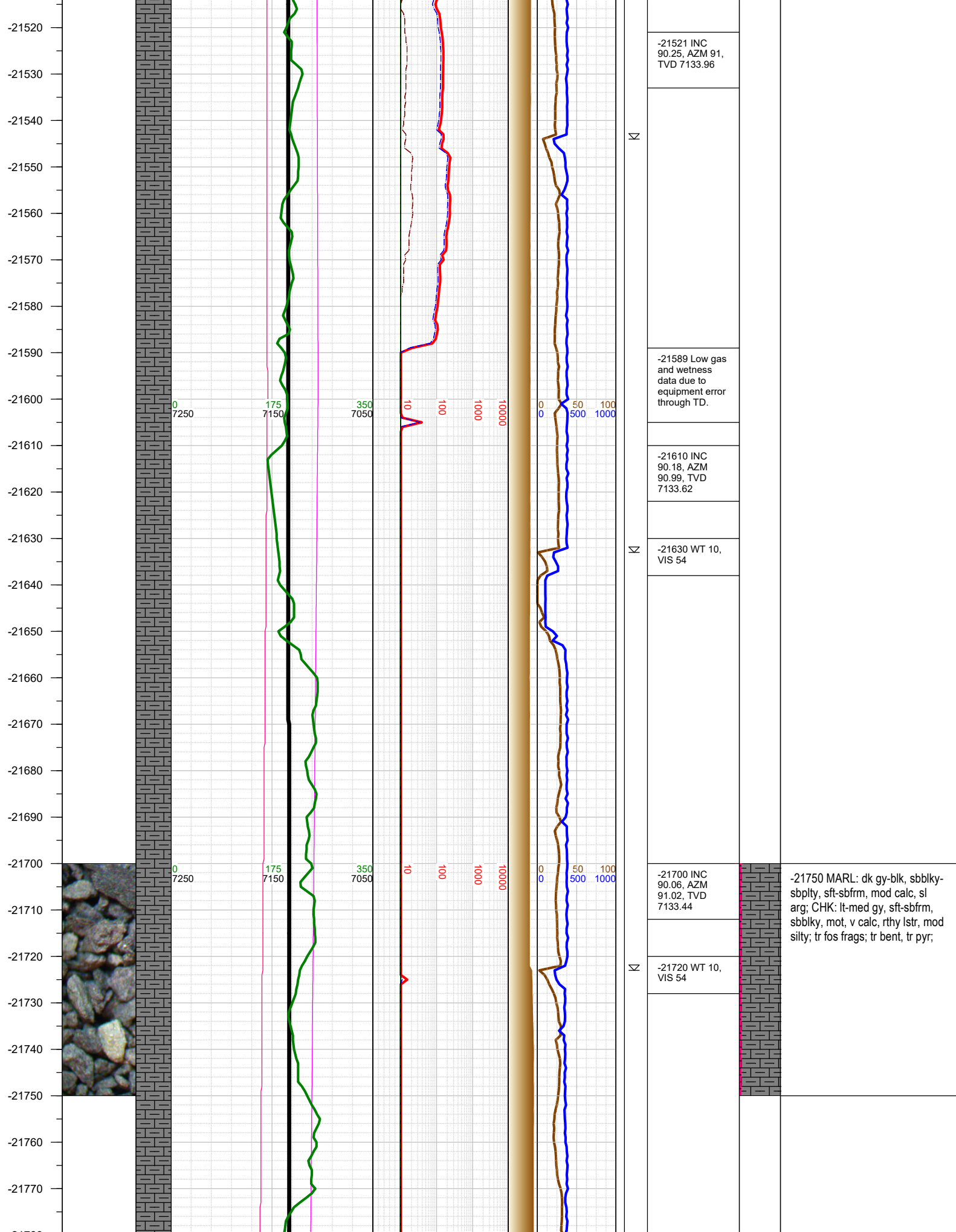


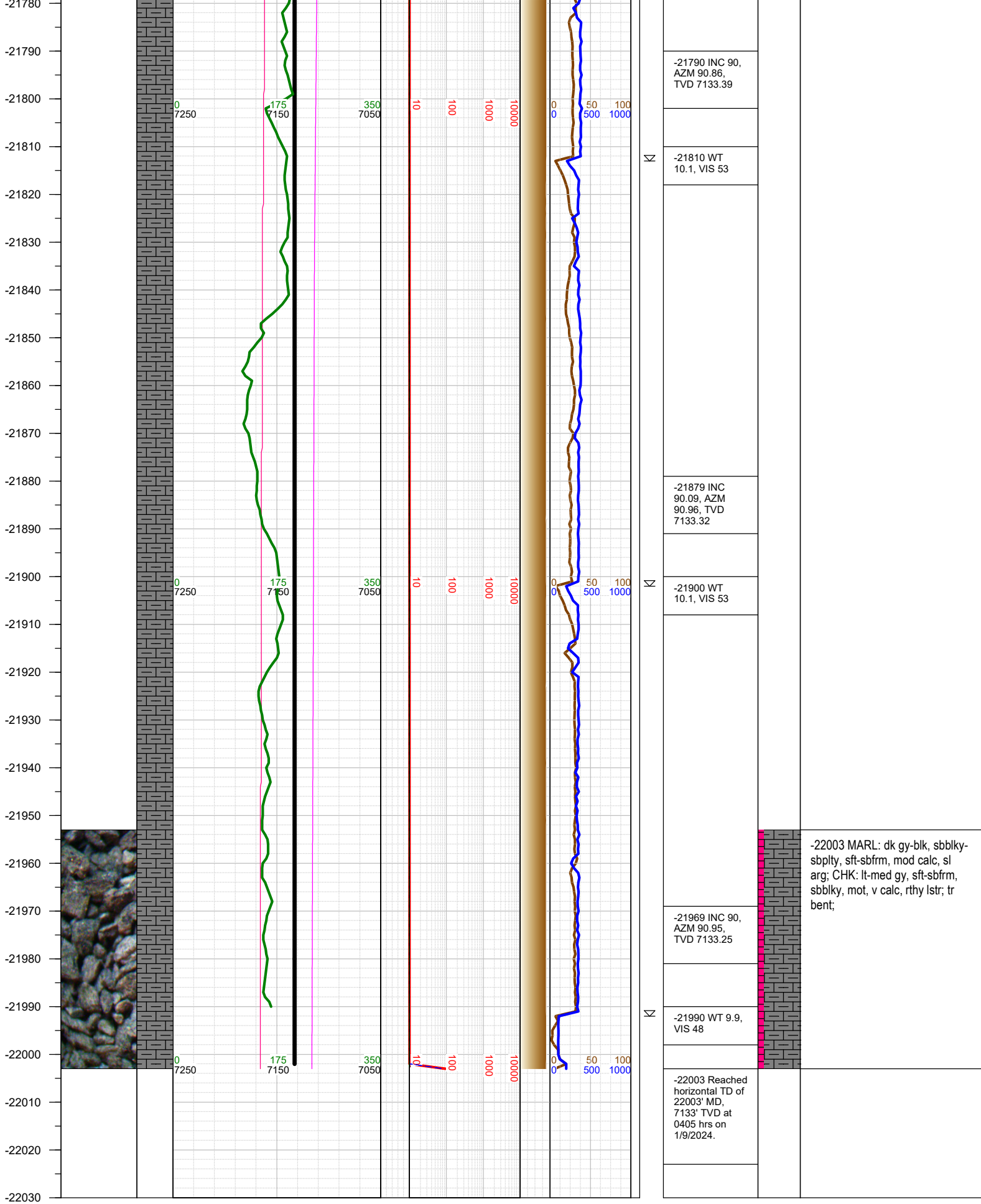












TOTAL DEPTH = 22003'

Thank you for using Earth Science Agency