

OPERATOR: Bayswater E&P, LLC

WELL NAME: Onyx Federal 1

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Ensign 153

API #: 05-123-52197

LAT/LONG: 40.551861, -104.75335
SURFACE HOLE: NWNW S26-T7N-R66W, 550' FNL, 254' FWL
BOTTOM HOLE: S30-T7N-R66W, 150' FNL, 150' FEL



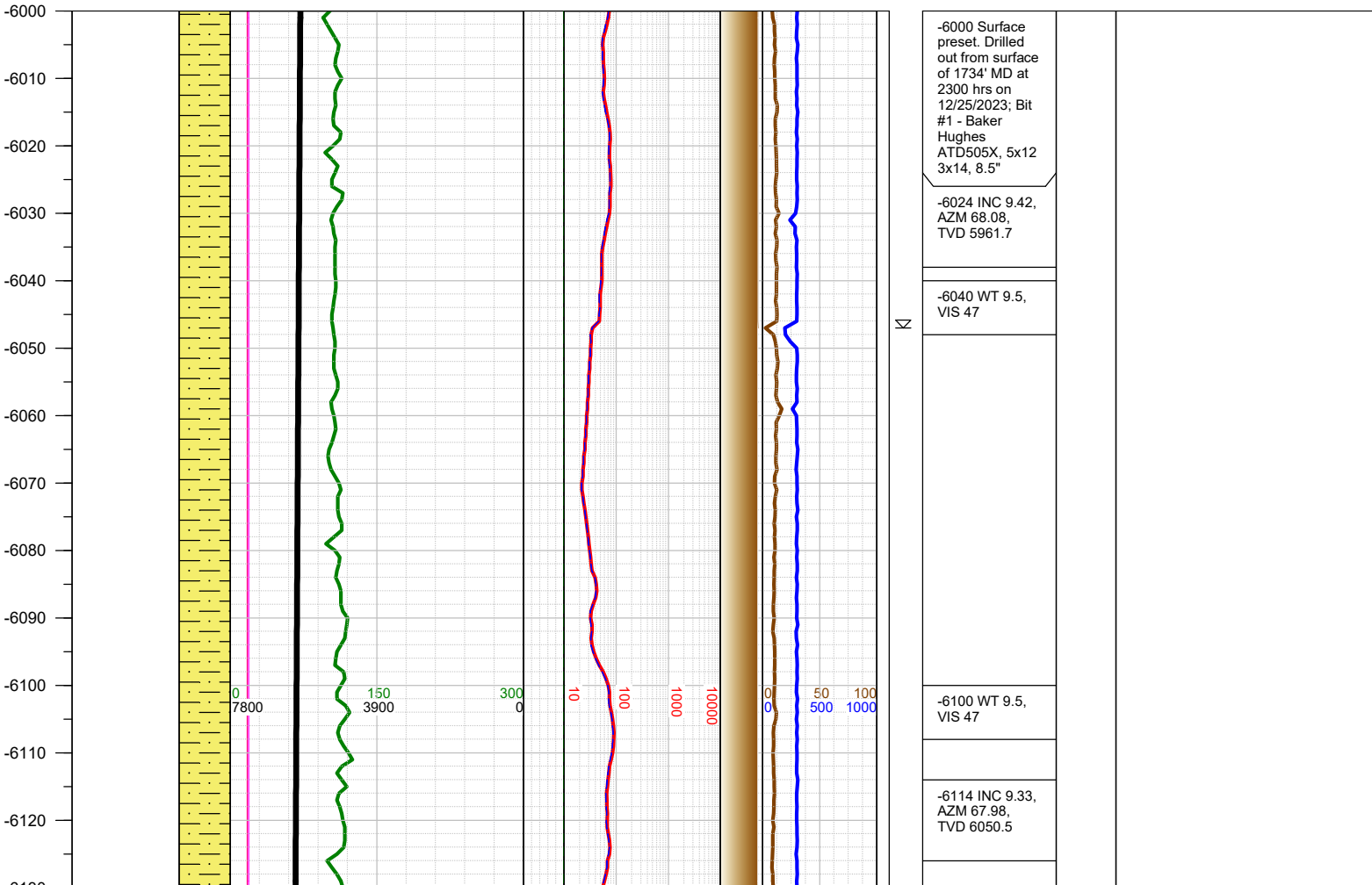
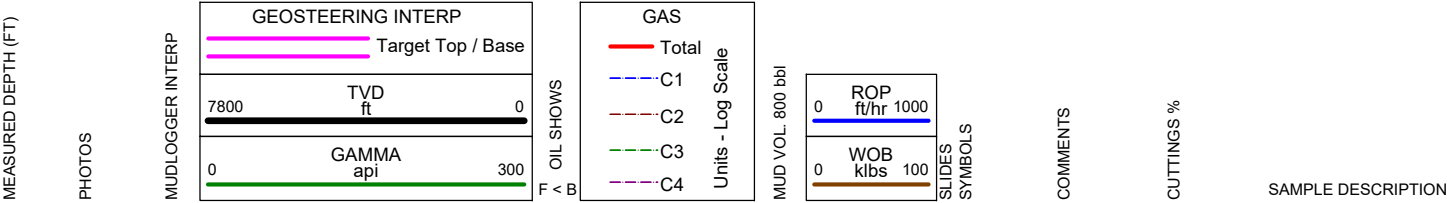
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 4896'
KELLY BUSHING: 4919'
DRILLING FLUID: OBM
TVD VS. MD: 7254' / 22185'
LOGGING START DATE: December 27, 2023
TD DATE: January 2, 2024

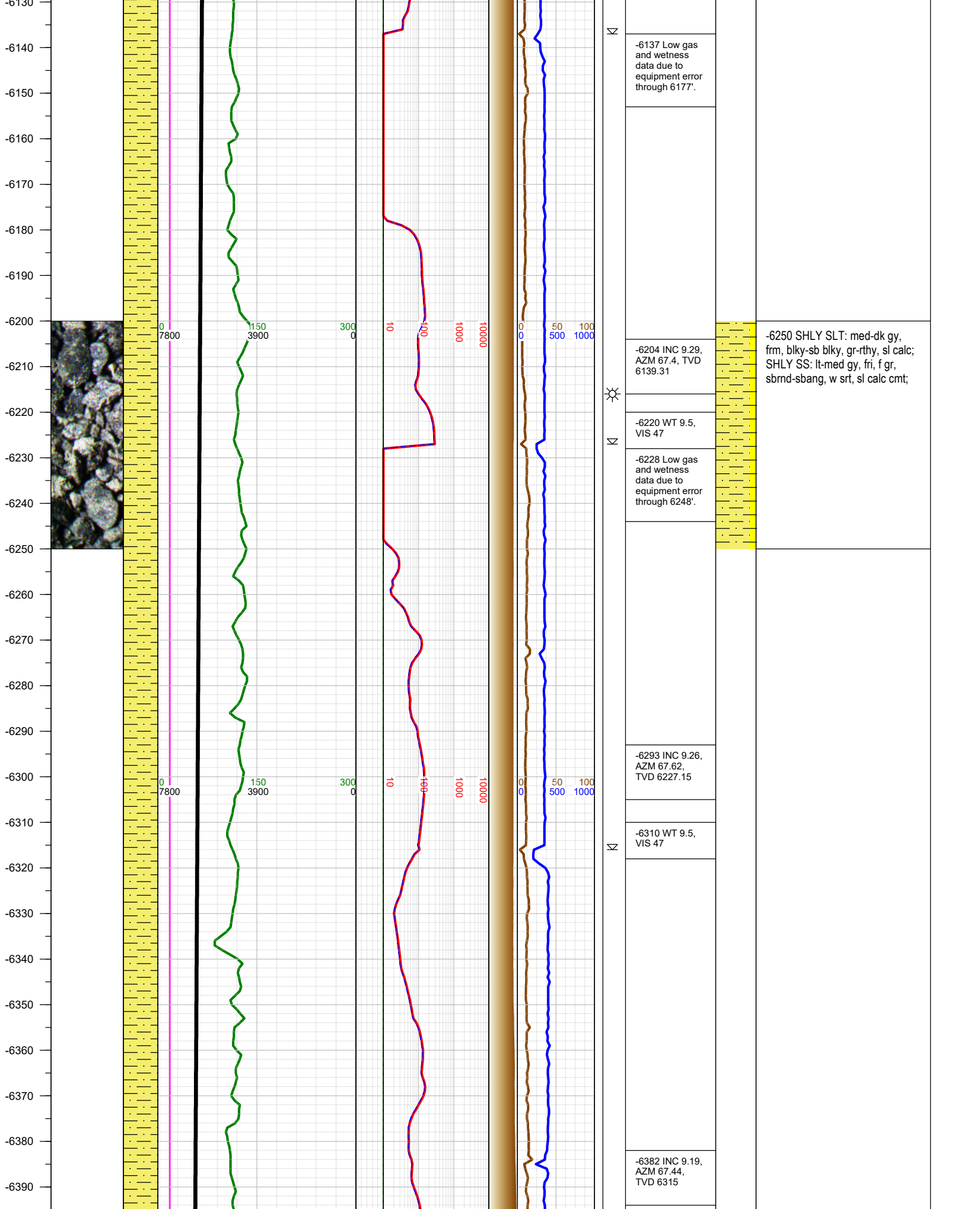
DEPTHS LOGGED: 6000' - 22185'
DATES LOGGED: December 26, 2023 - January 2, 2024
GEOLOGISTS: Scott Davis, Scott Snoy
SCALE: 5" = 100'

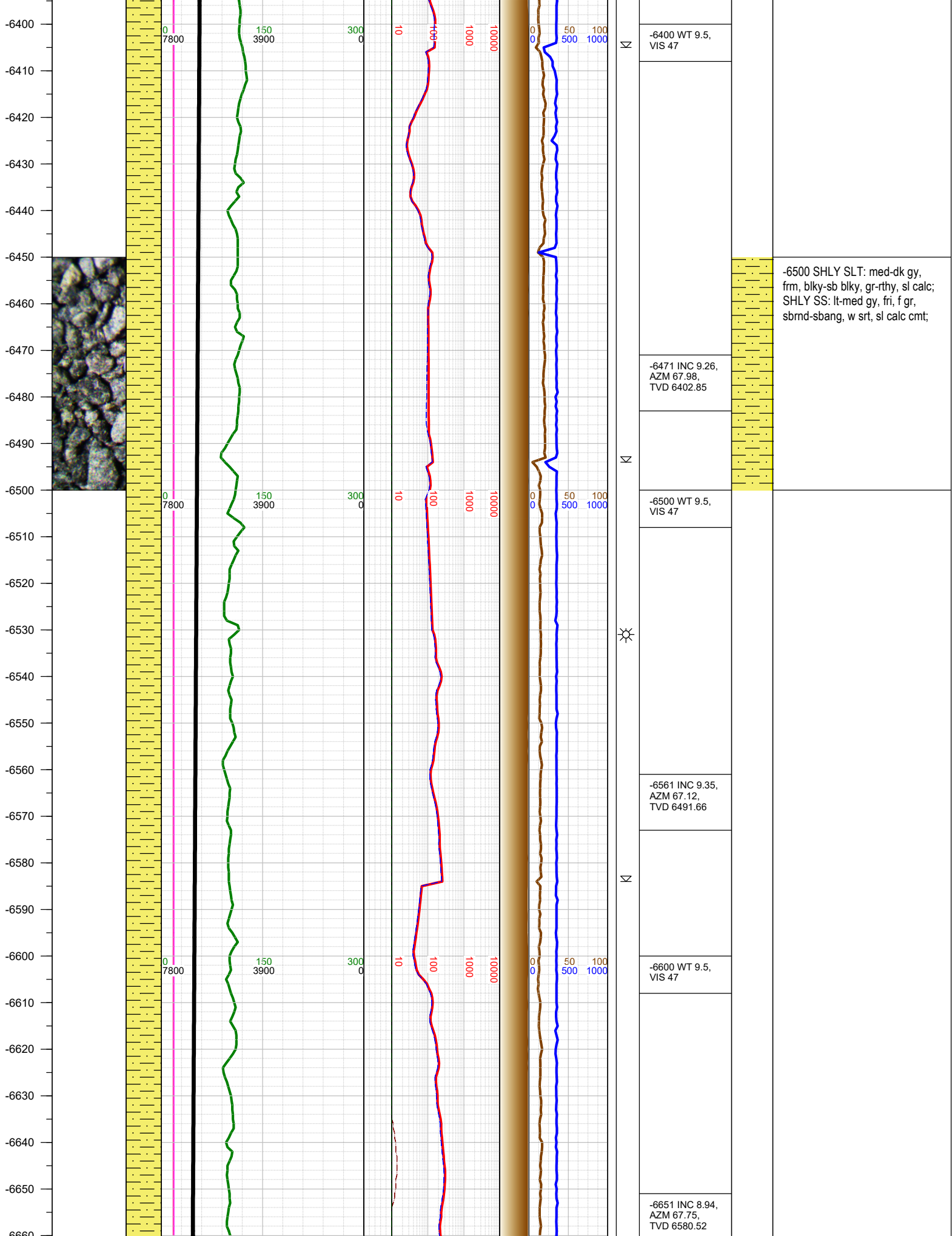
LEGEND

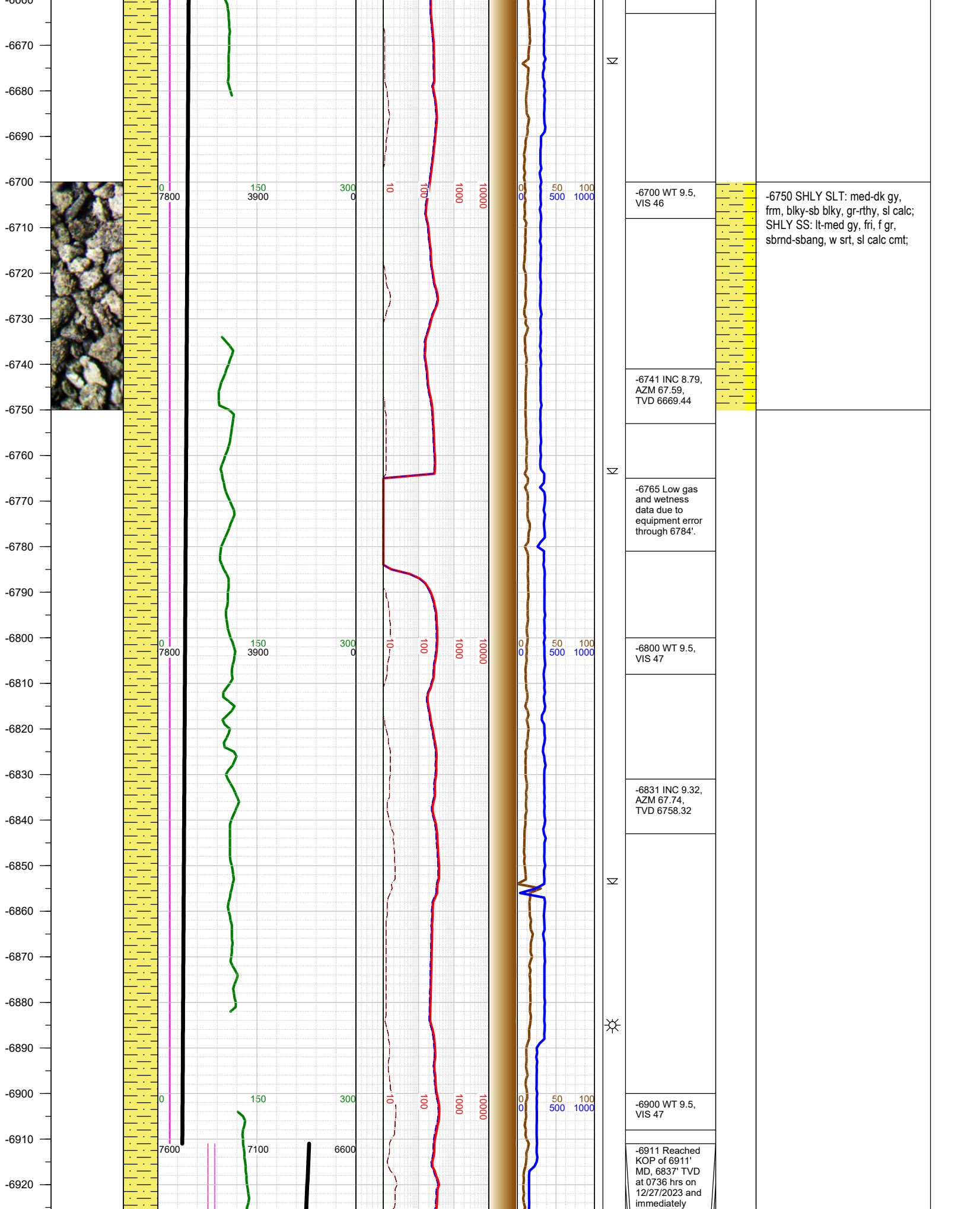
	CHALK		CALC SHALE
	LIMESTONE		SILTY SHALE
	SHALY LIMESTONE		SHALY SILTSTONE
	MARLSTONE		SHALY SANDSTONE
	CALCAREOUS SHALE		SANDSTONE
	DOLOMITE		ANHYDRITE

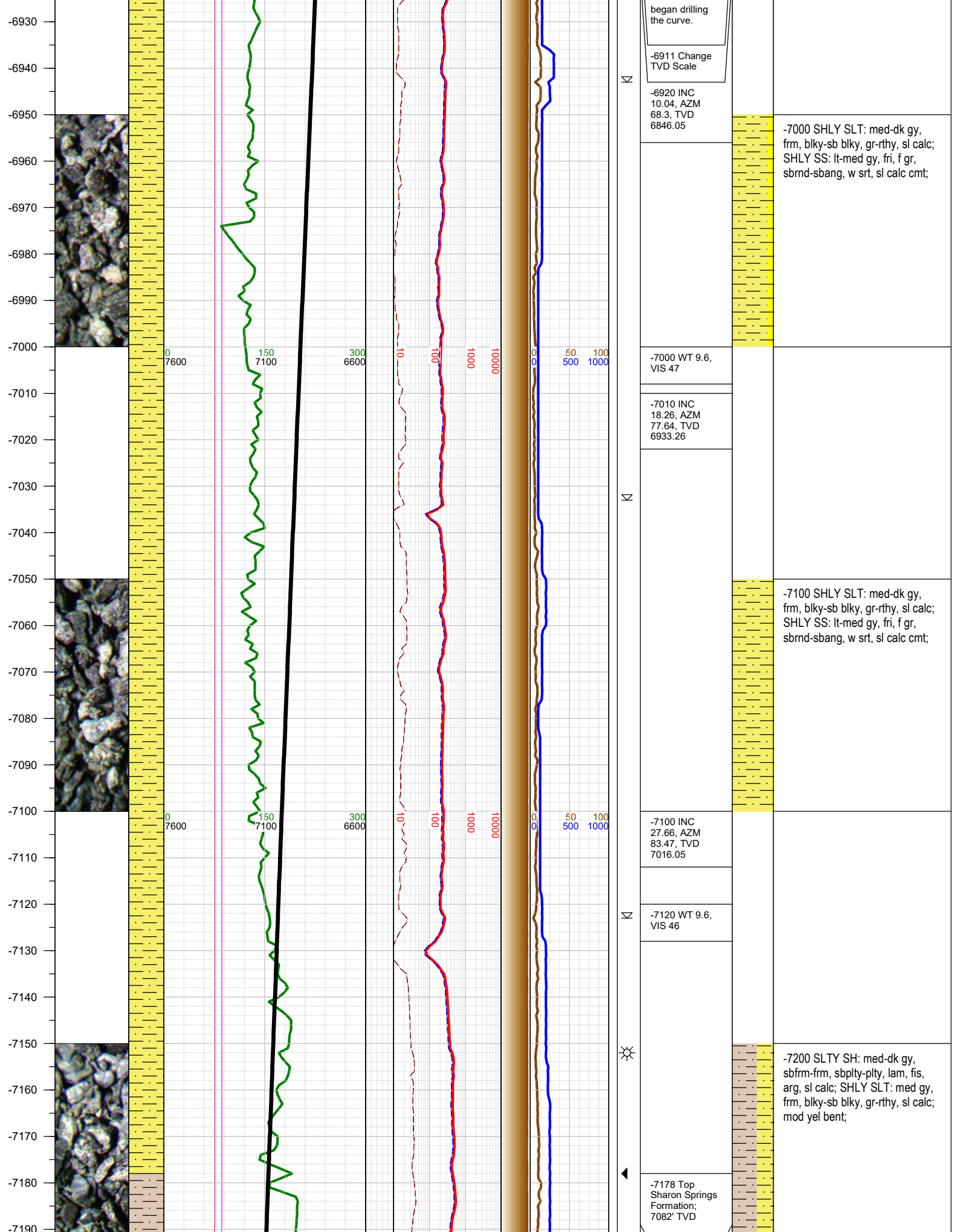
FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

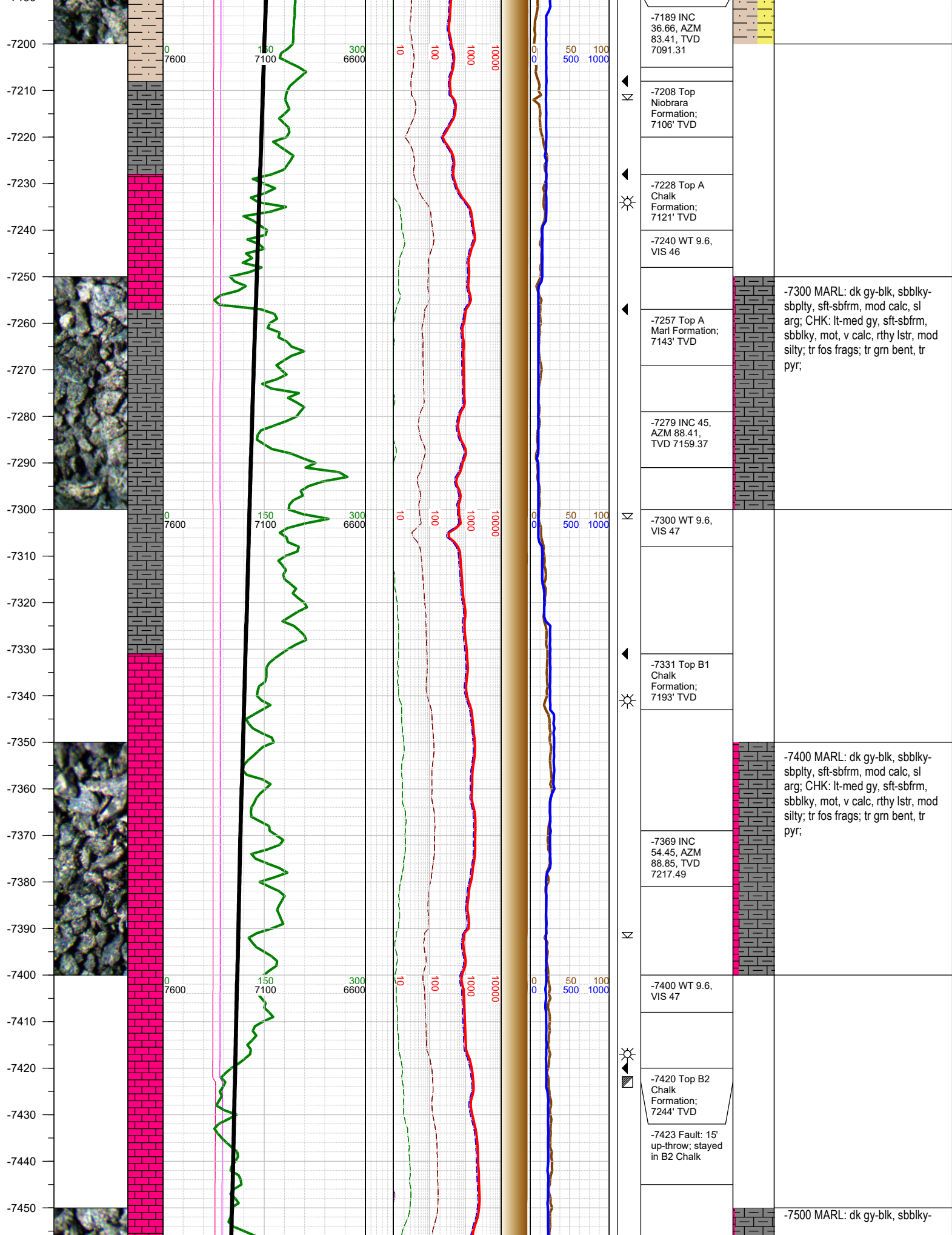


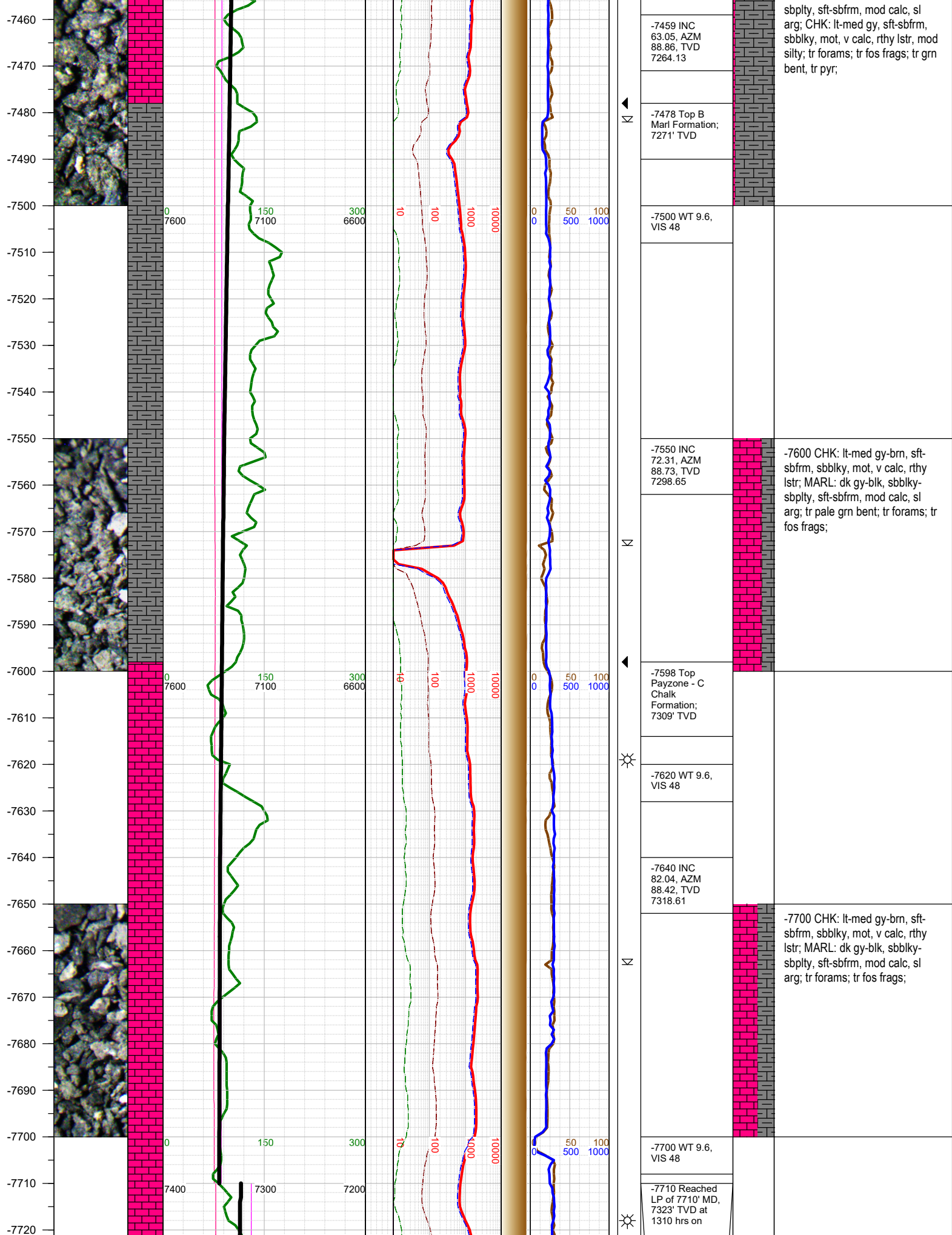


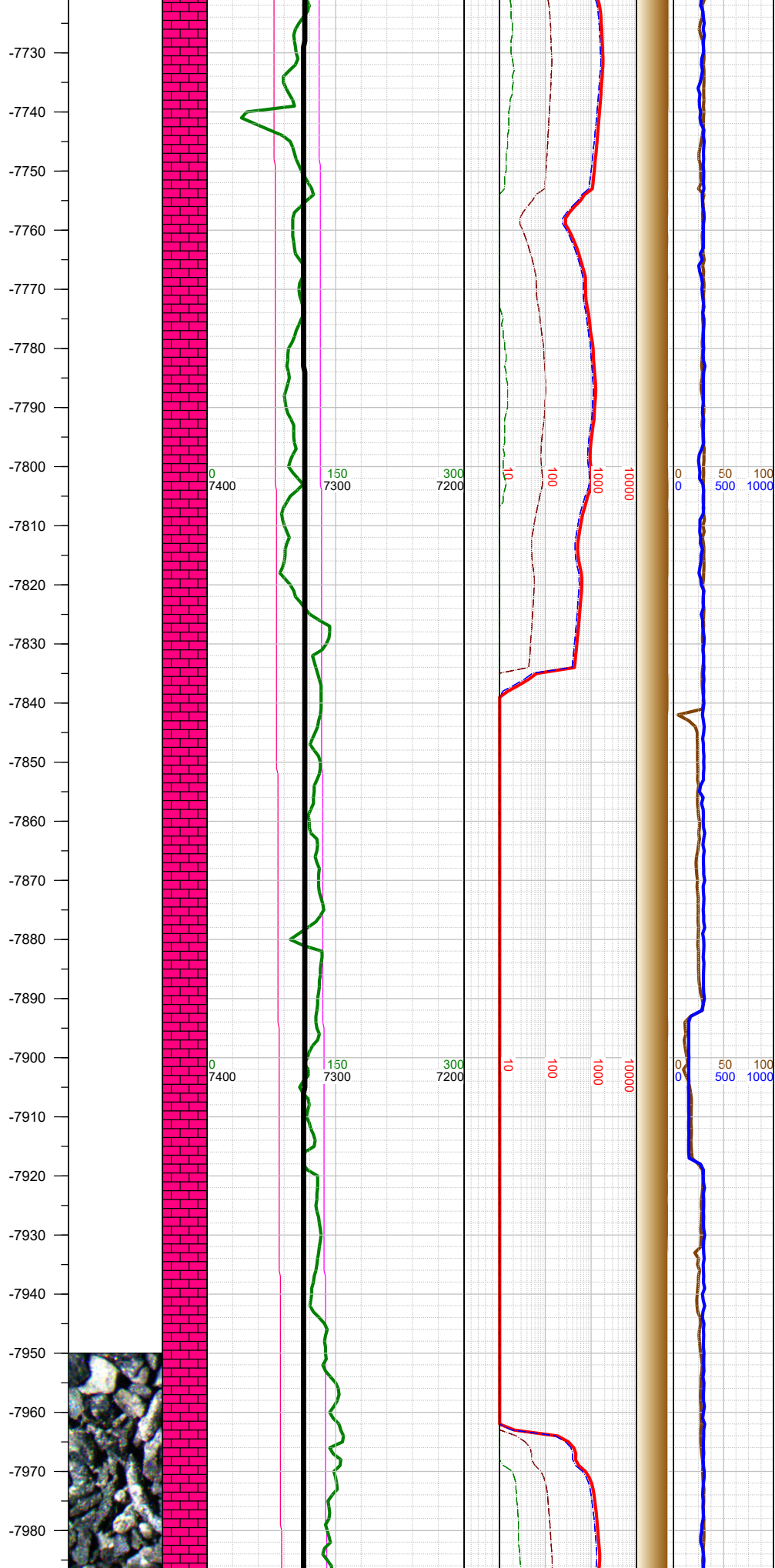




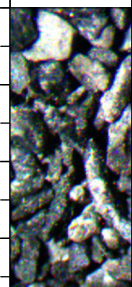


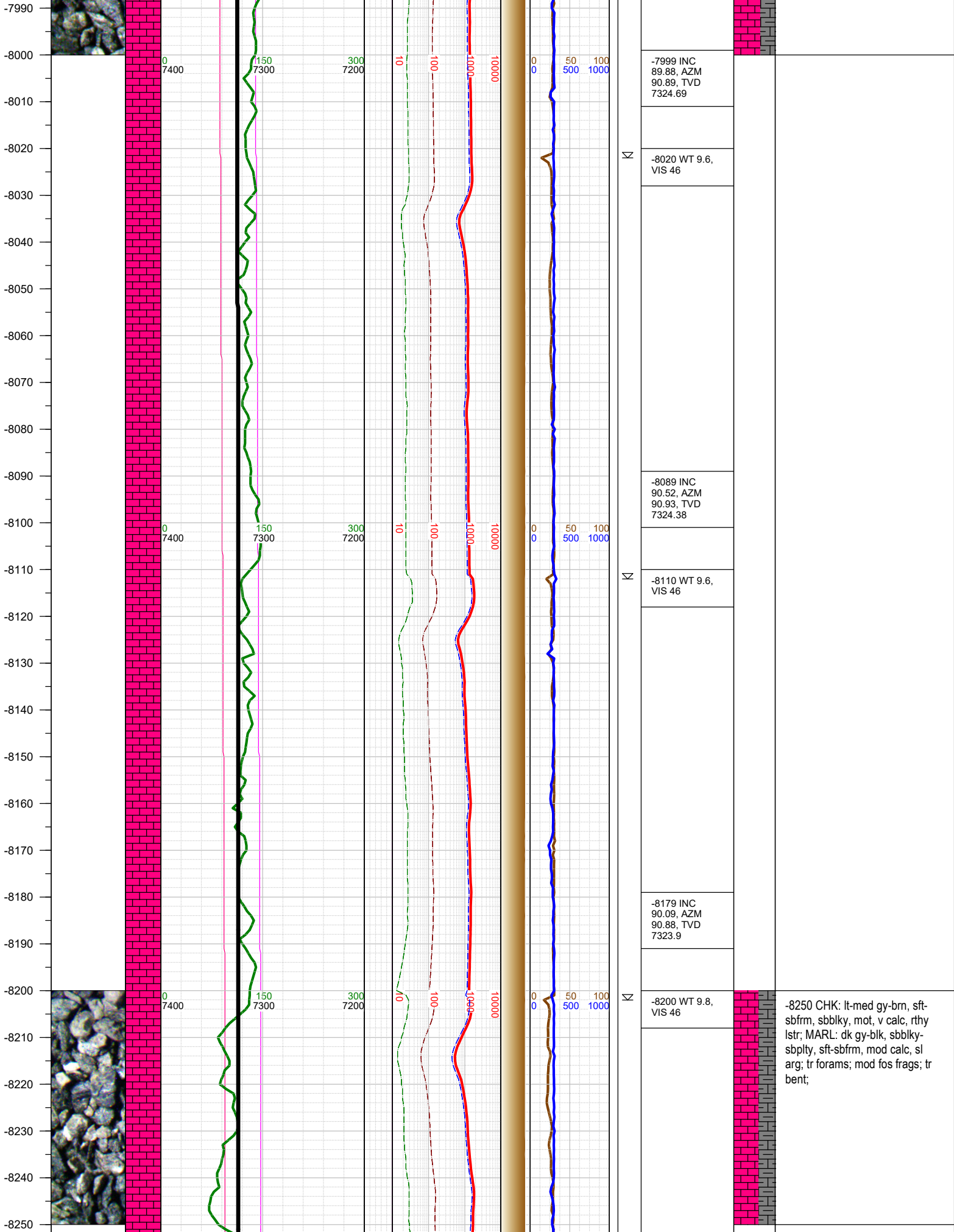


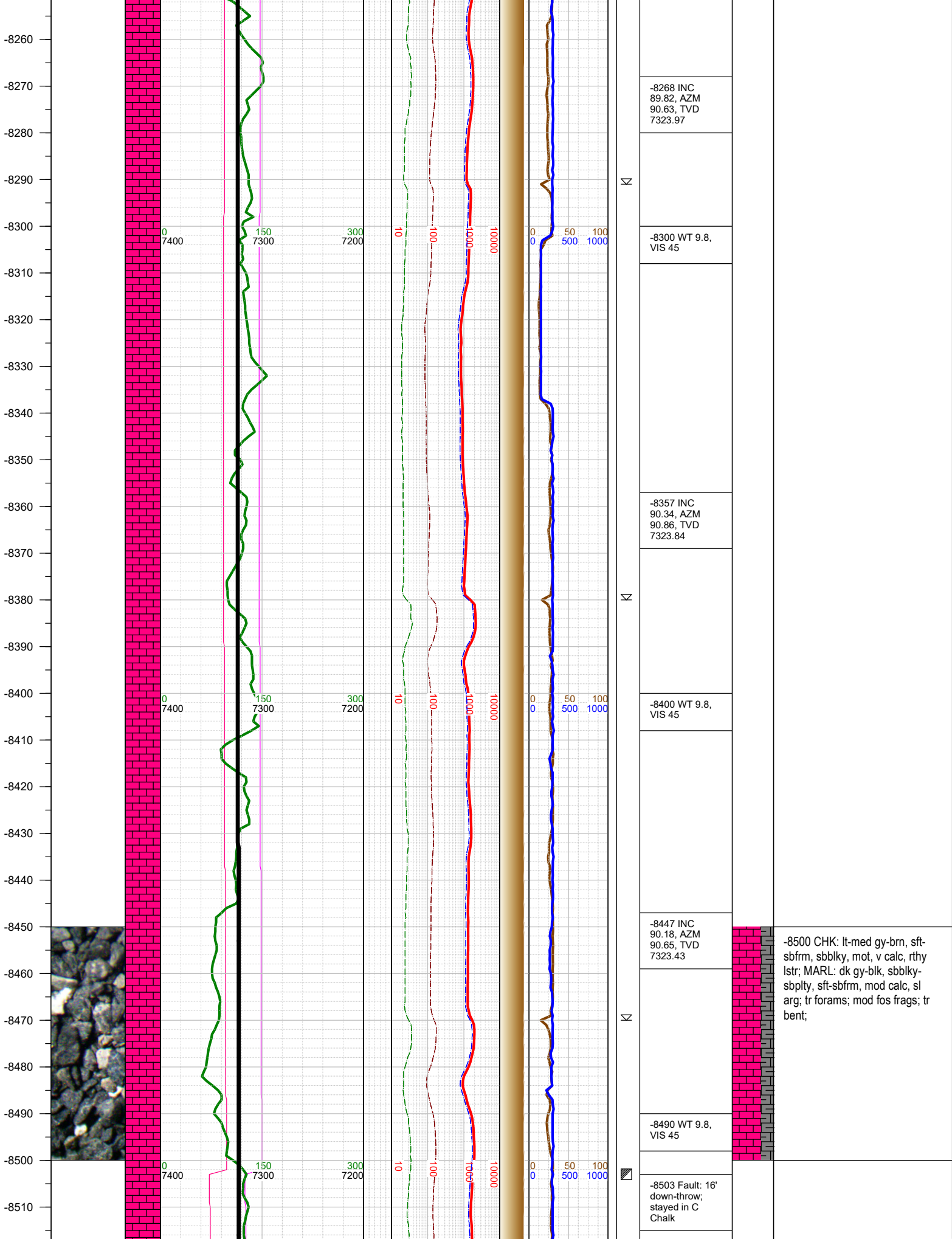


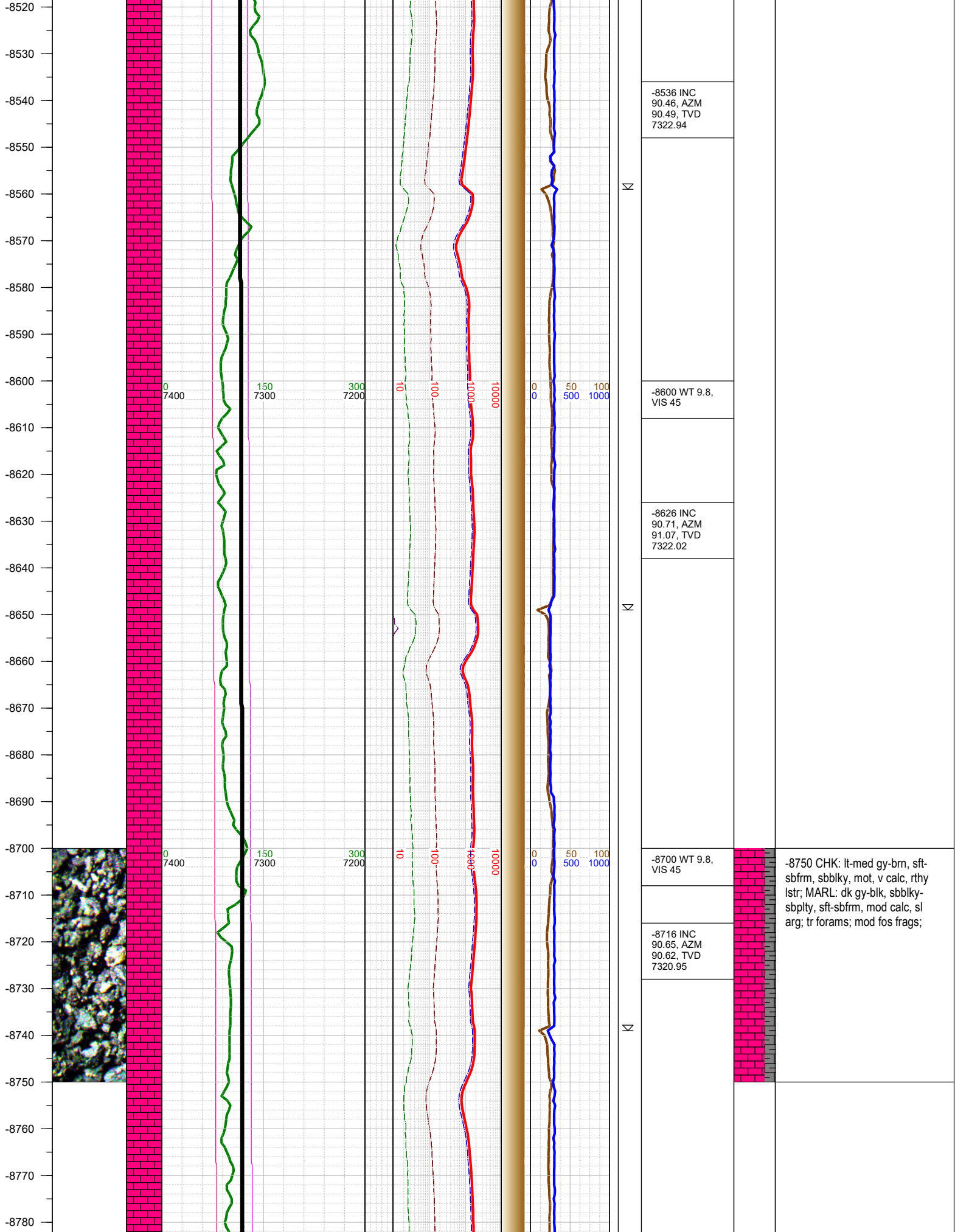


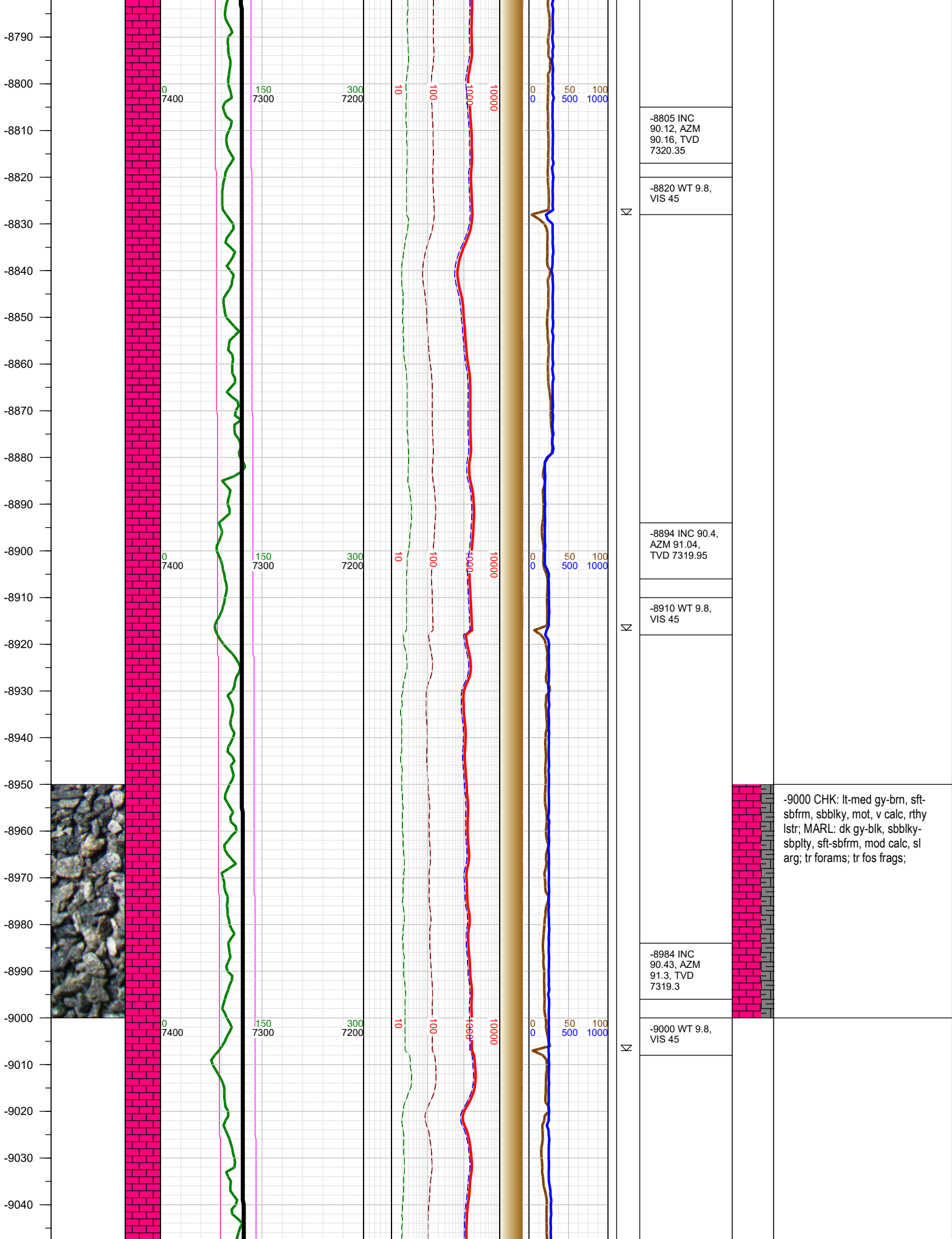
N	12/27/2023 and immediately began drilling the lateral.
	-7710 Change TVD Scale
N	-7730 INC 90.28, AZM 87.73, TVD 7324.63
	-7800 WT 9.6, VIS 47
N	-7820 INC 90, AZM 87.63, TVD 7324.41
	-7835 No gas and wetness data due to equipment error through 7962'.
N	-7900 WT 9.6, VIS 47
	-7910 INC 89.88, AZM 87.94, TVD 7324.5
N	-8000 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr bent;



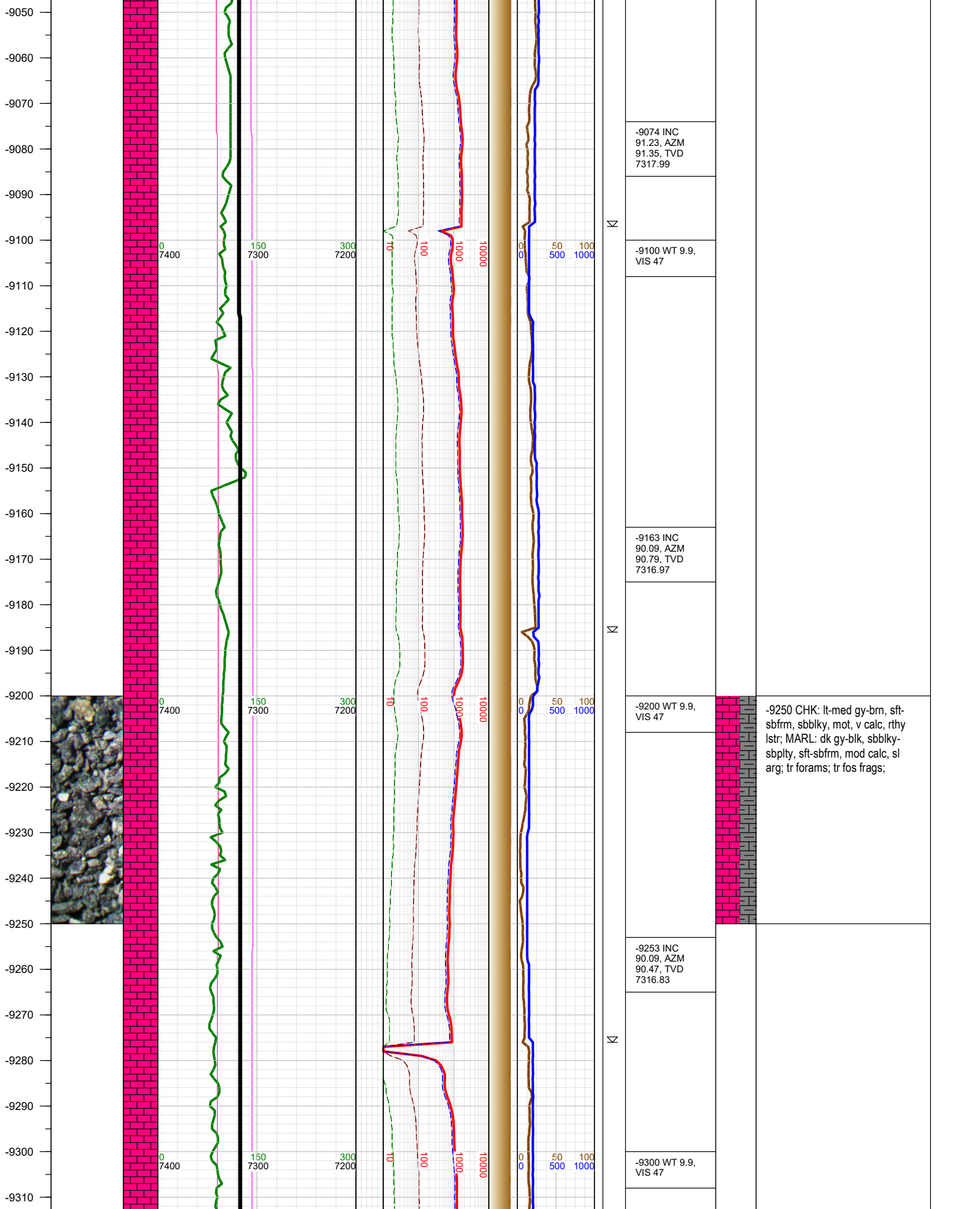


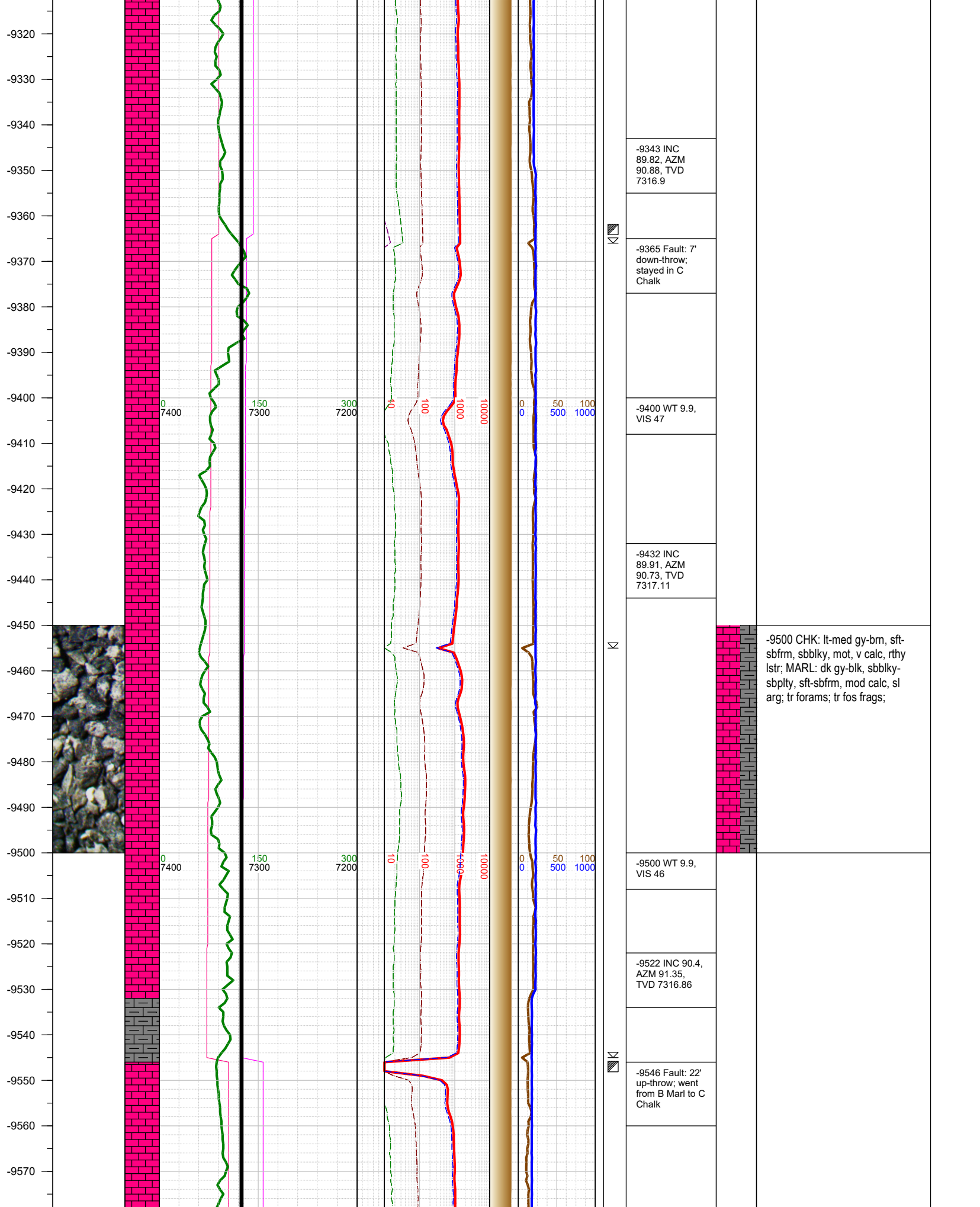


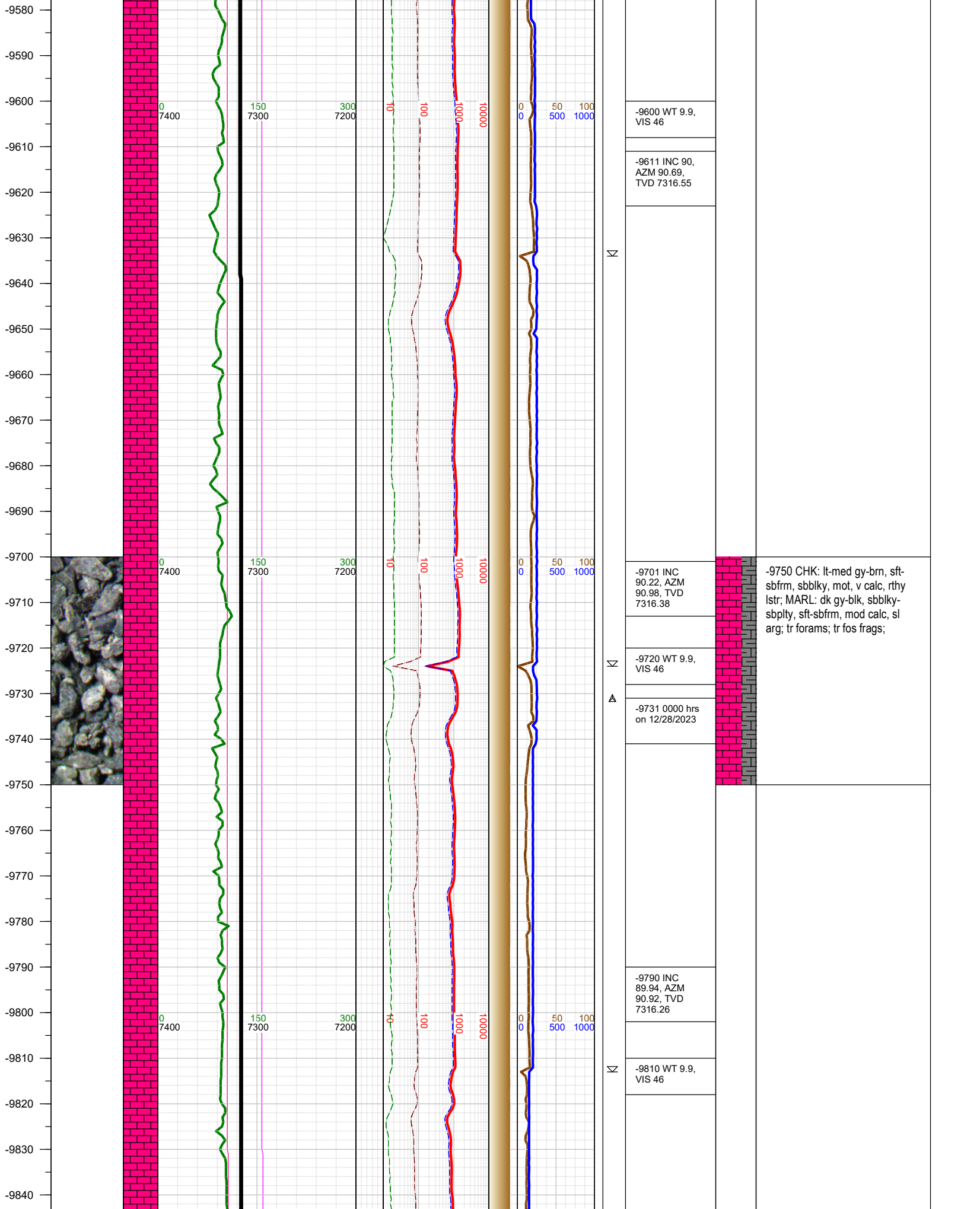




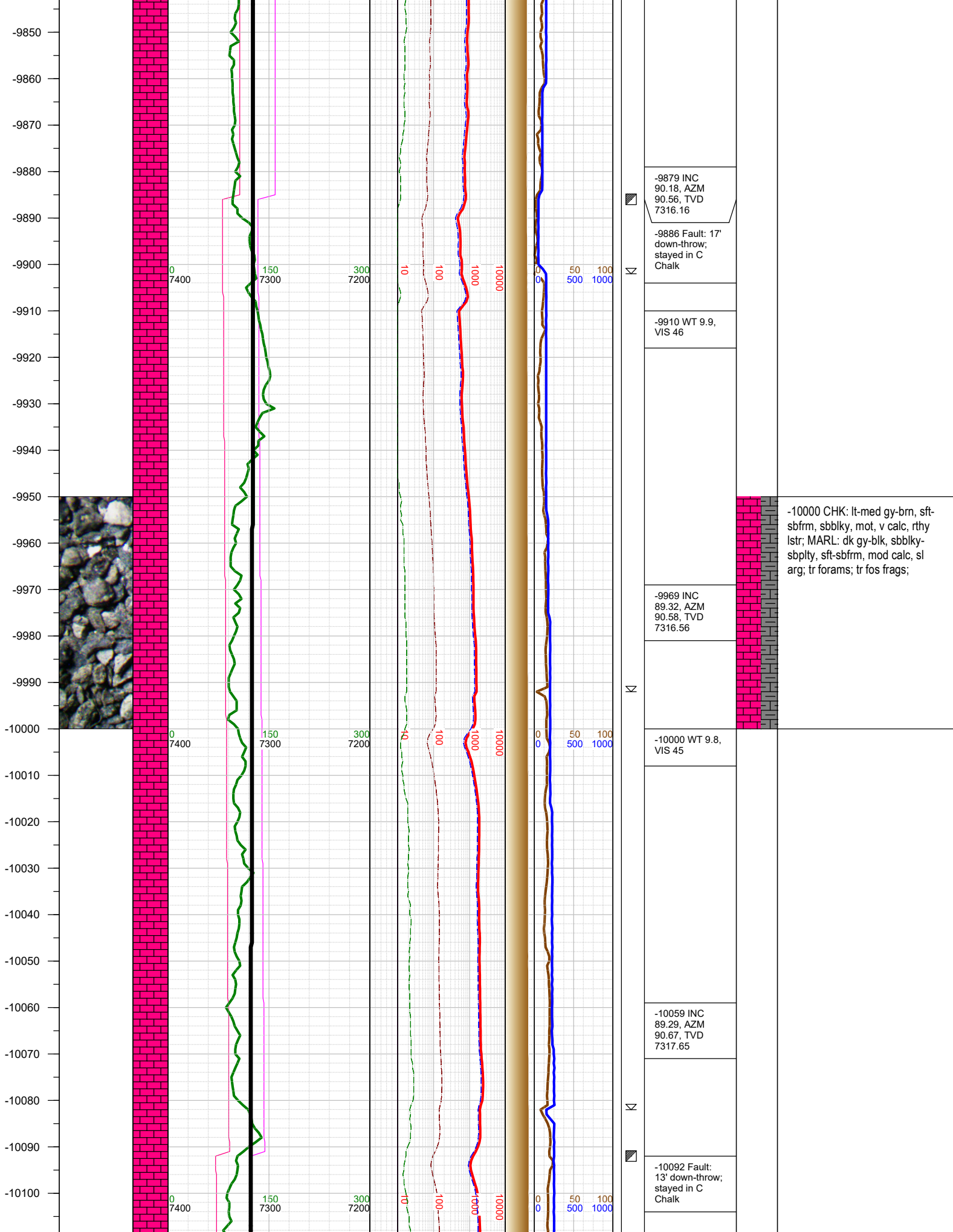
-9000 CHK: lt-med gy-brn, sft-sbfm, sbbiky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbiky-sbpity, sft-sbfm, mod calc, sl arg; tr forams; tr fos frags;



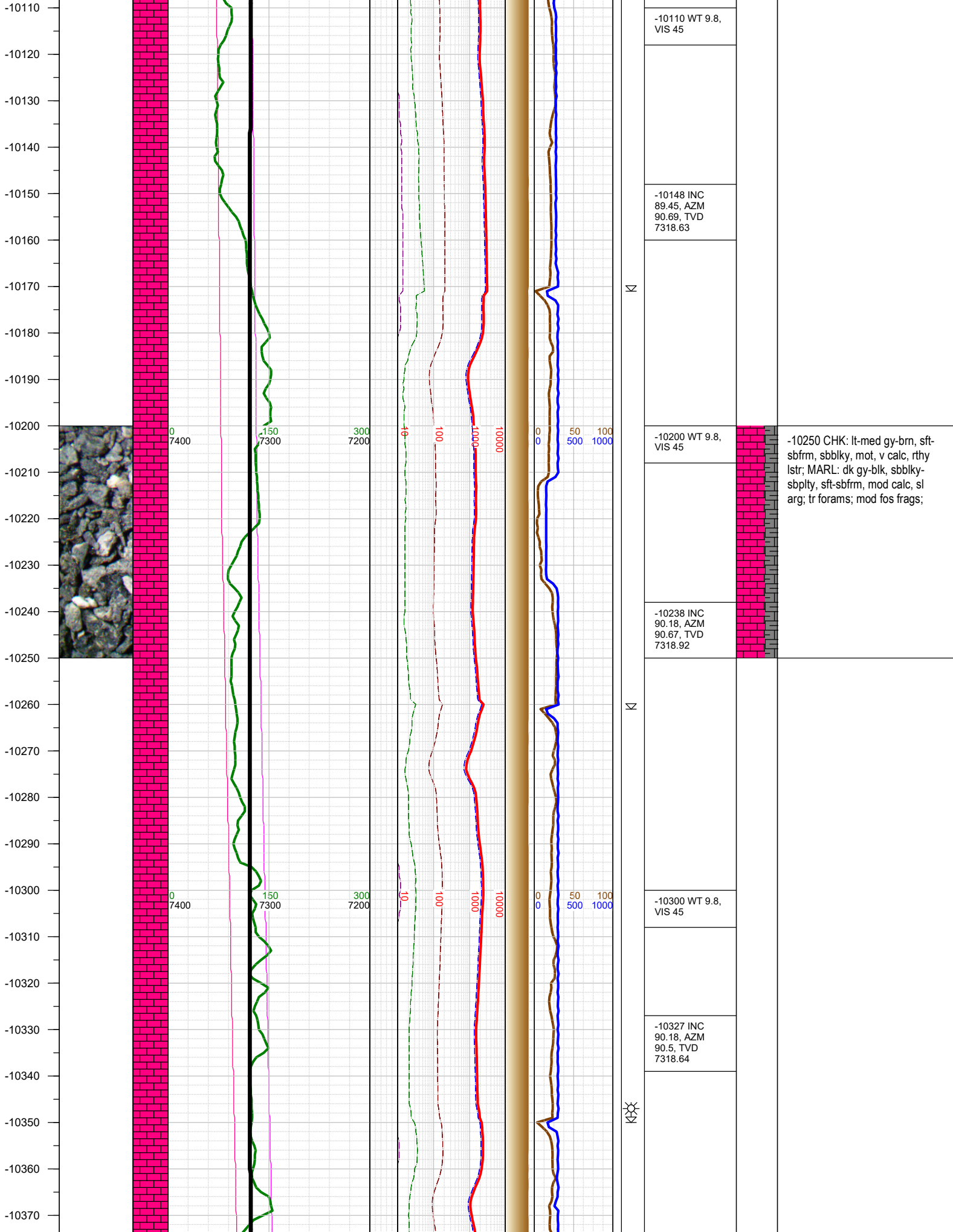


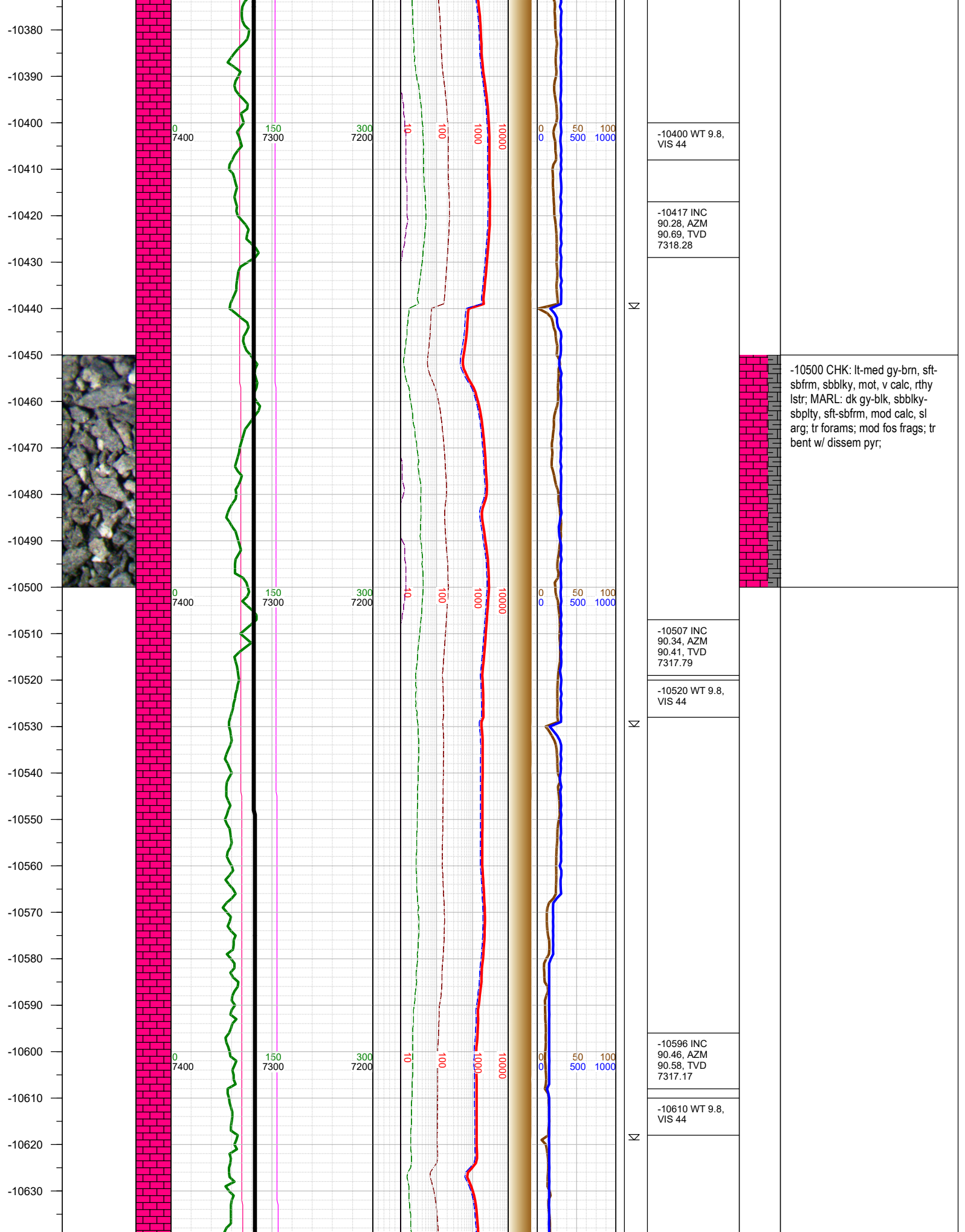


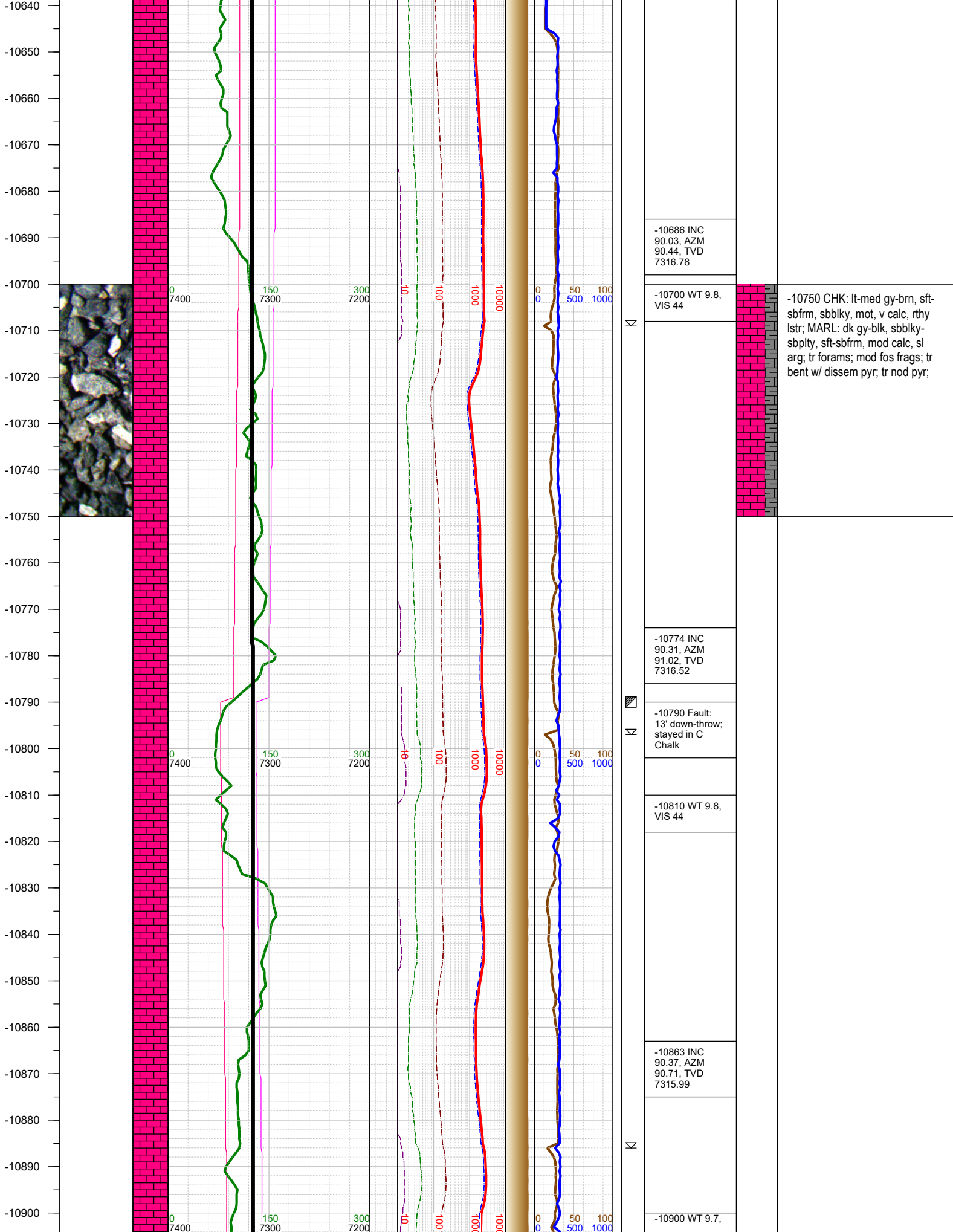
-9750 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags;

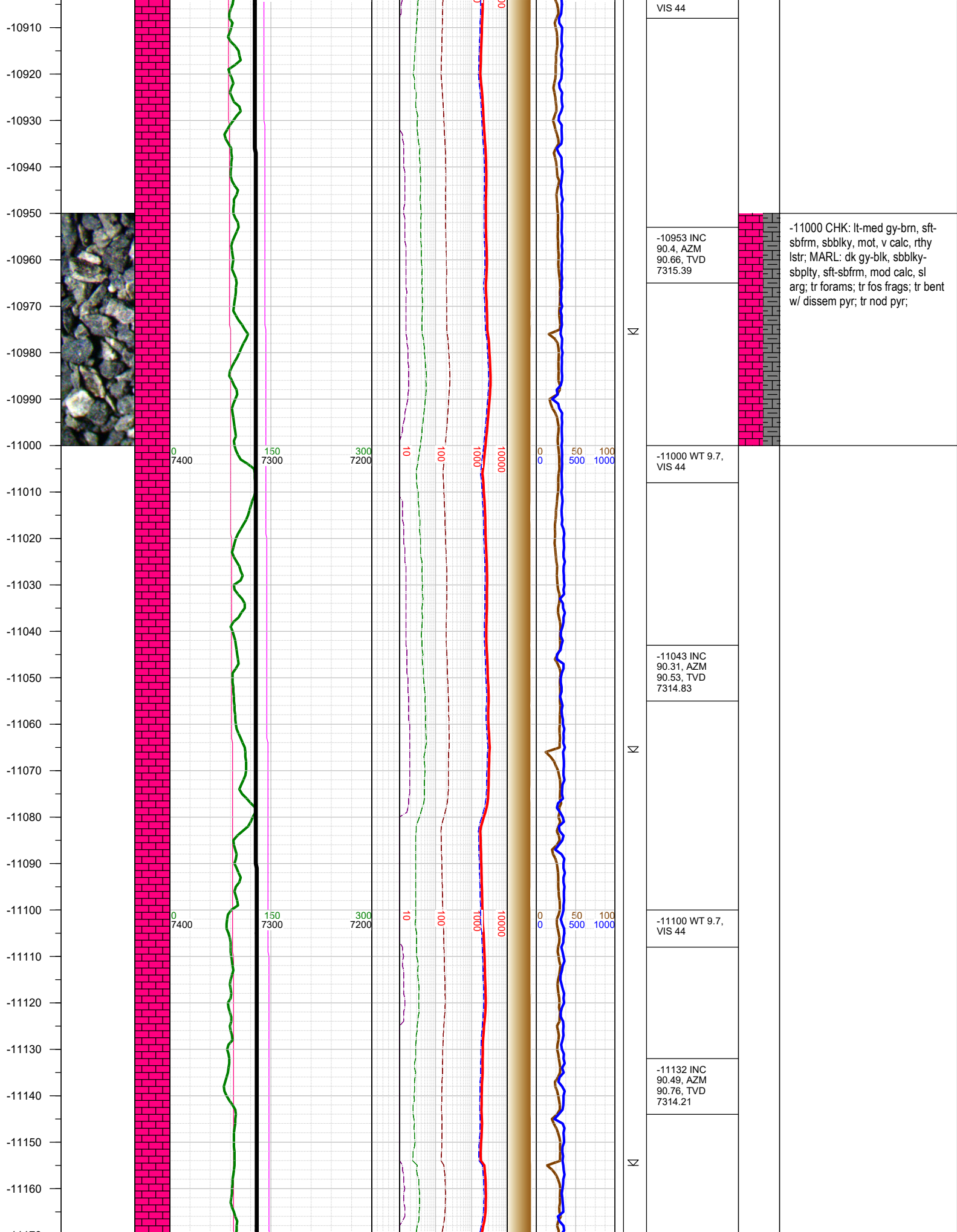


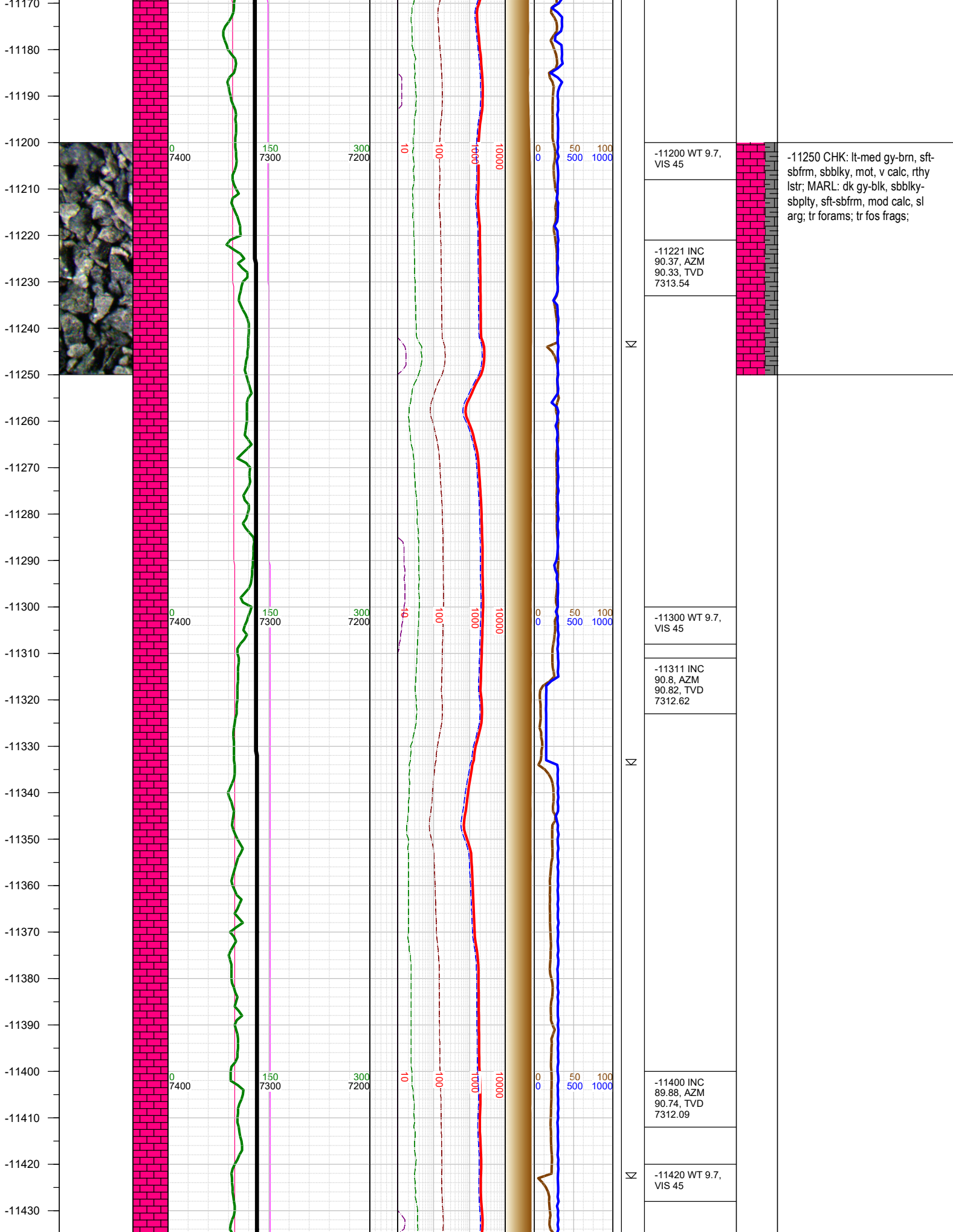
-10000 CHK: lt-med gy-bm, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags;

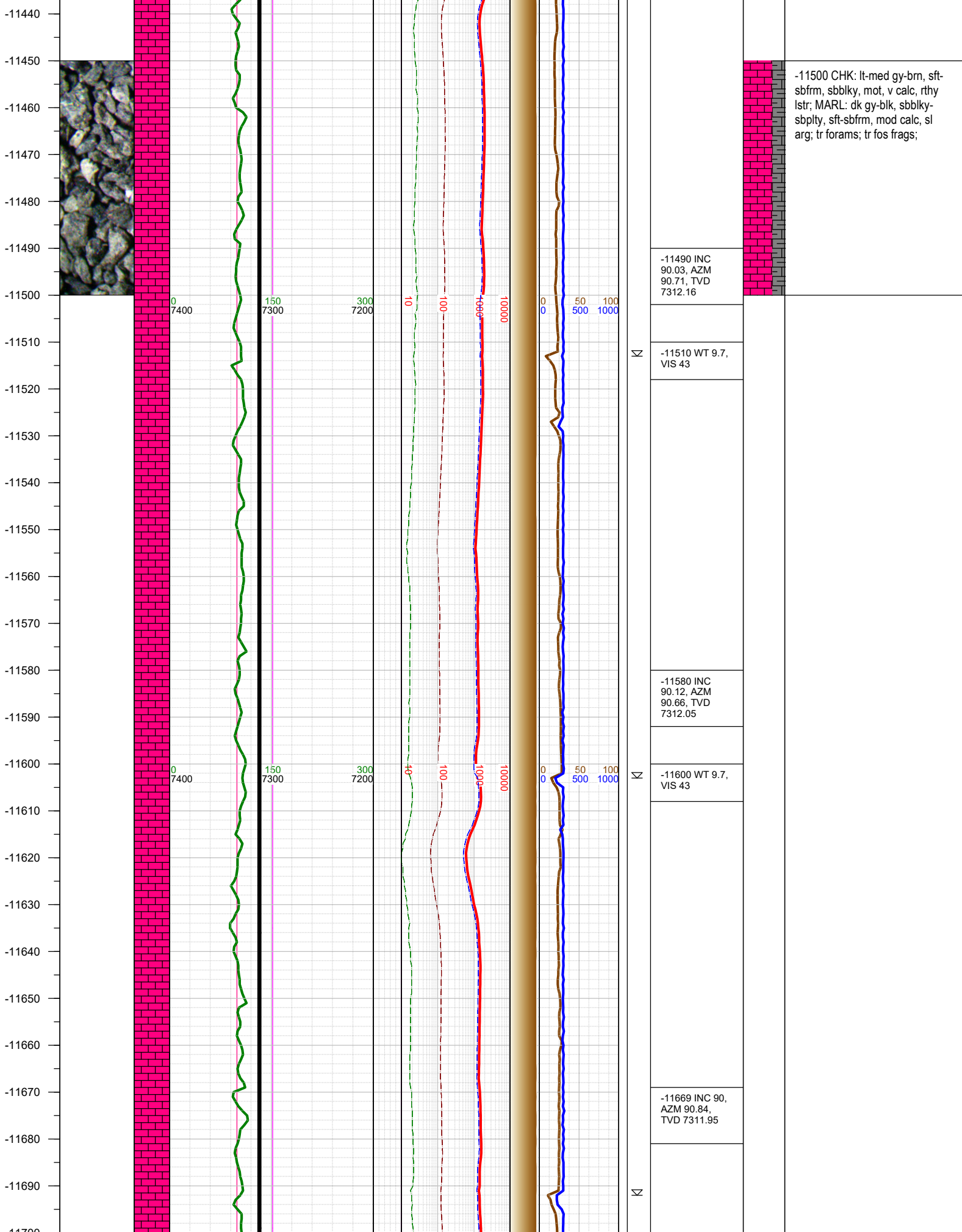




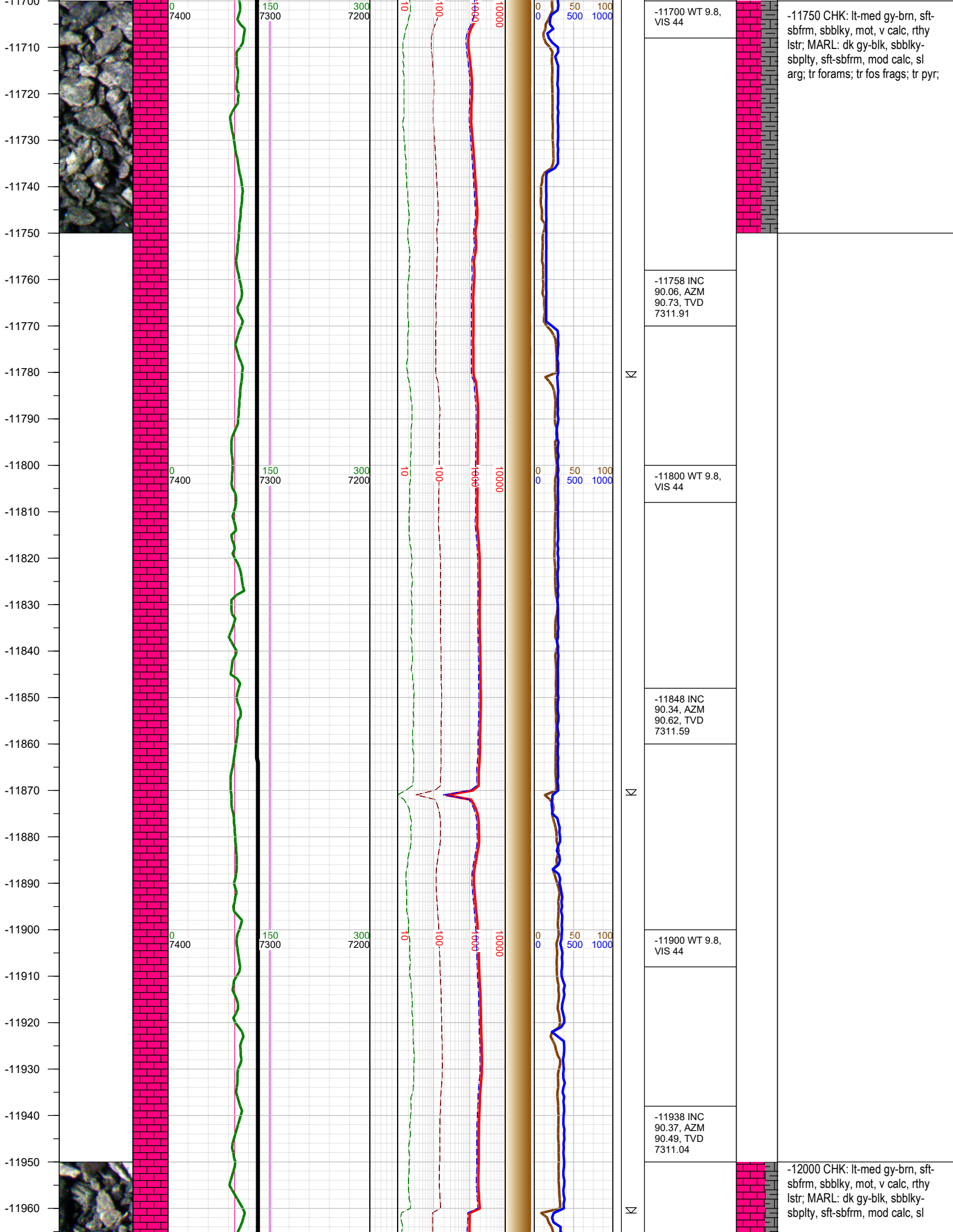




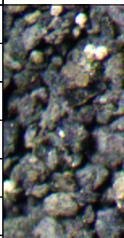
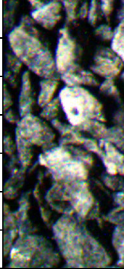




-11500 CHK: lt-med gy-bm, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbply, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags;



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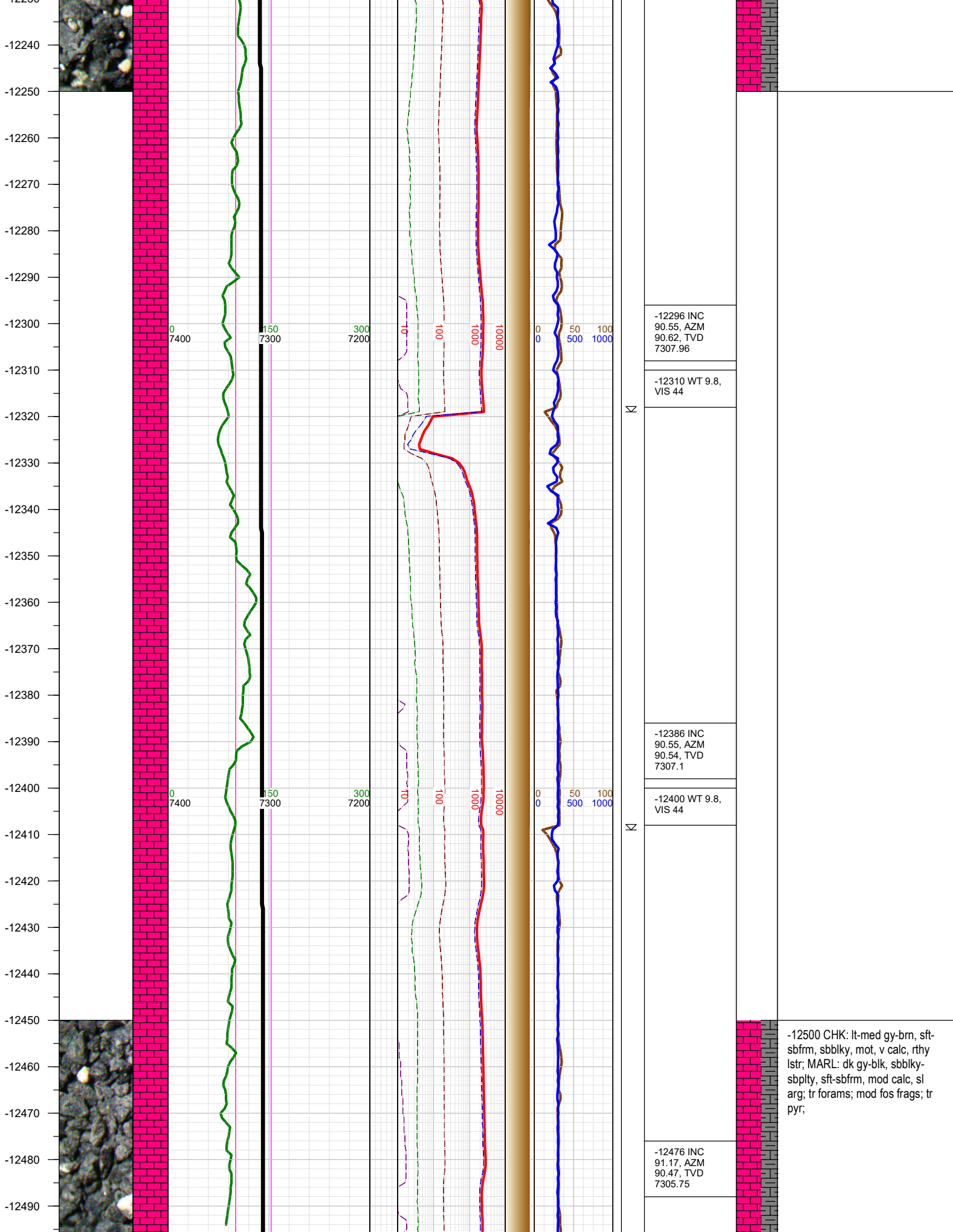
N

-12000 WT 9.8, VIS 43	
-12028 INC 90.43, AZM 90.42, TVD 7310.41	
-12100 WT 9.8, VIS 43	
-12118 INC 90.43, AZM 90.67, TVD 7309.73	
-12207 INC 90.65, AZM 90.72, TVD 7308.89	
-12220 WT 9.8, VIS 43	

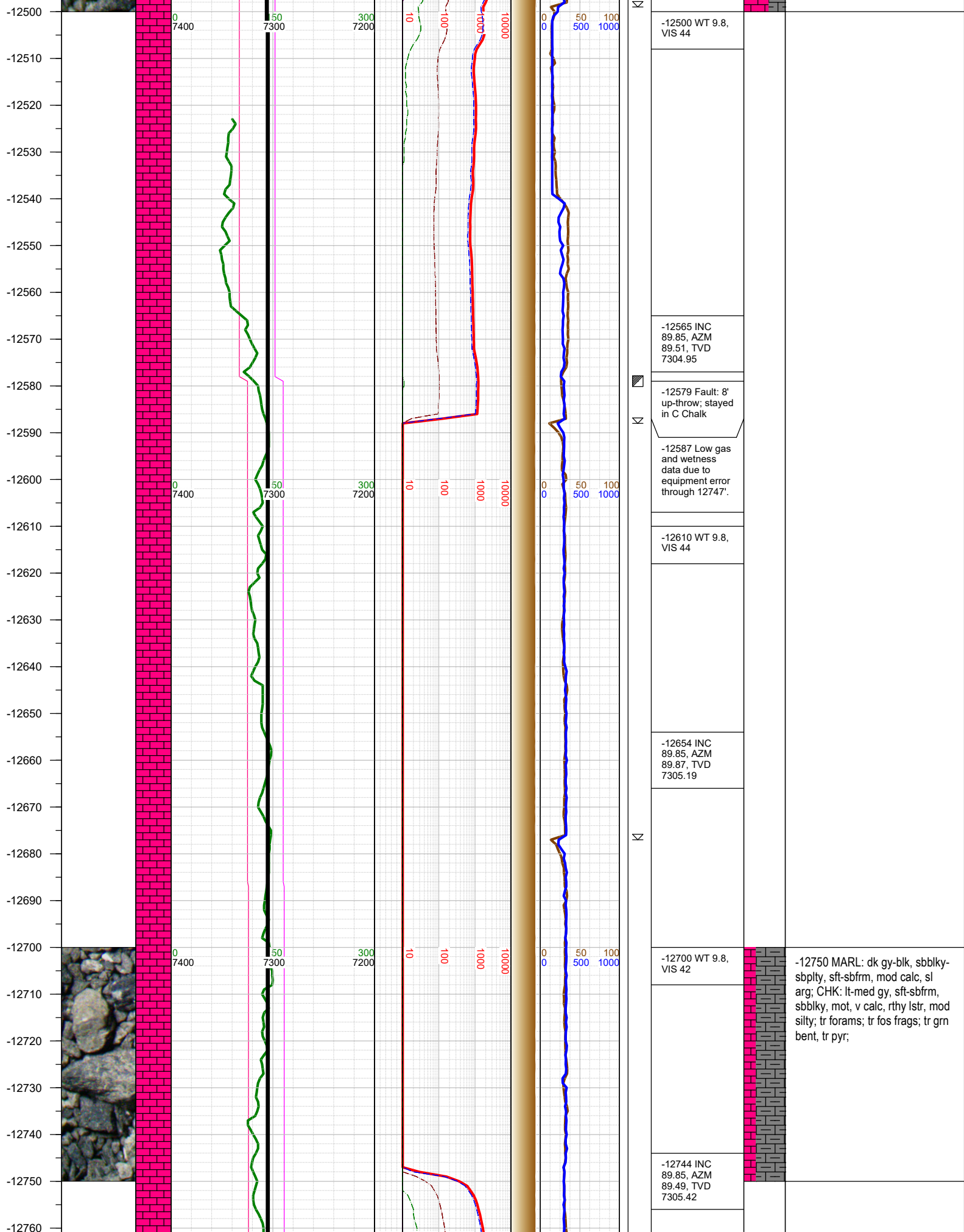


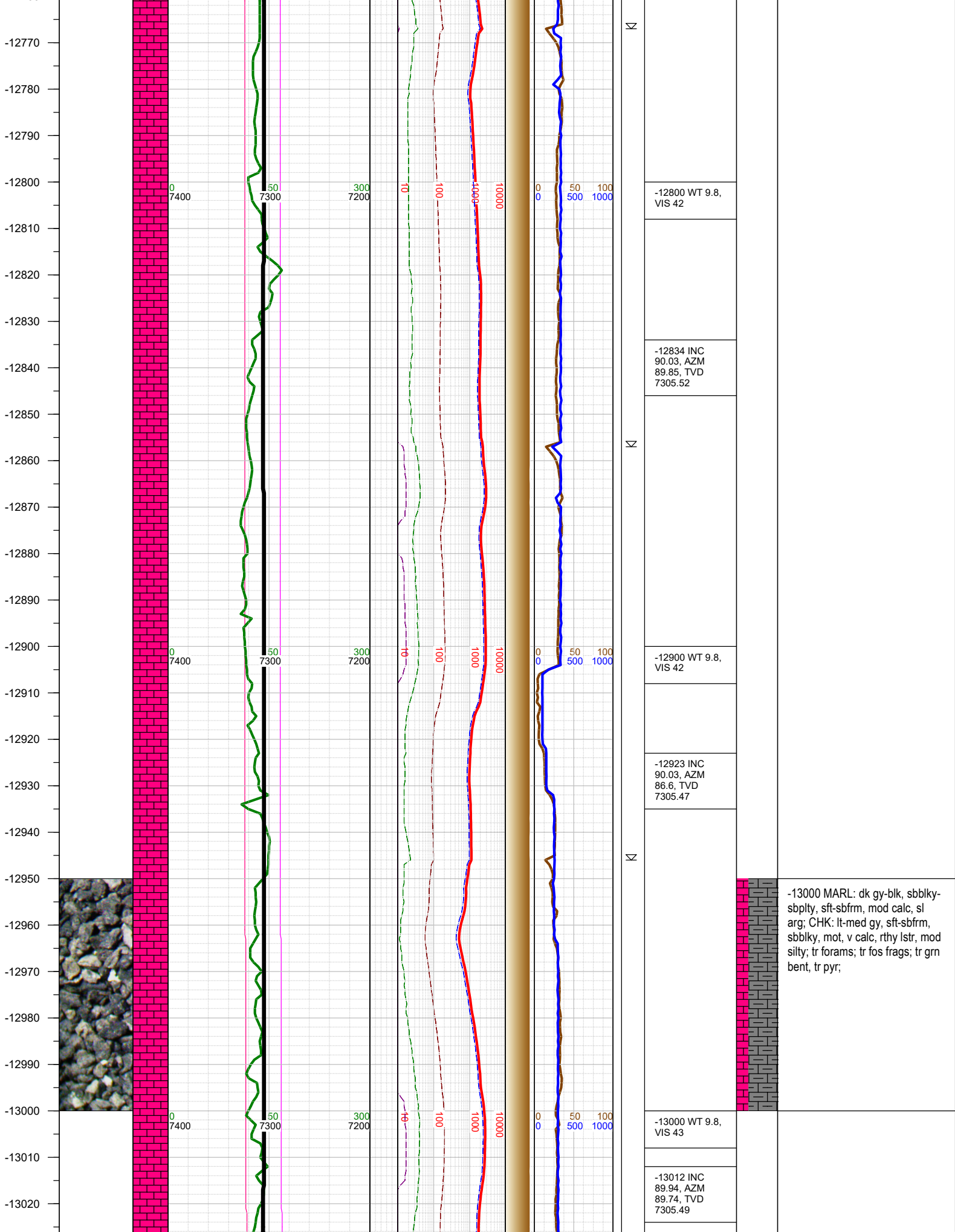
arg; tr forams; tr fos frags; tr pyr;

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

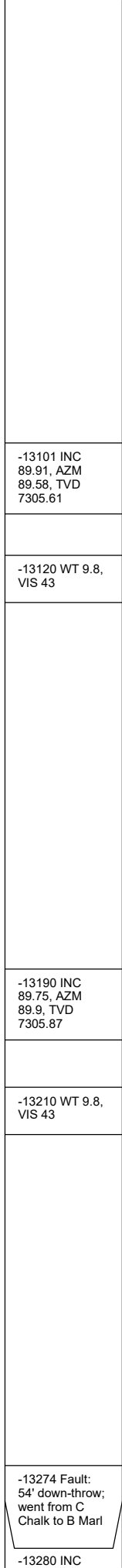
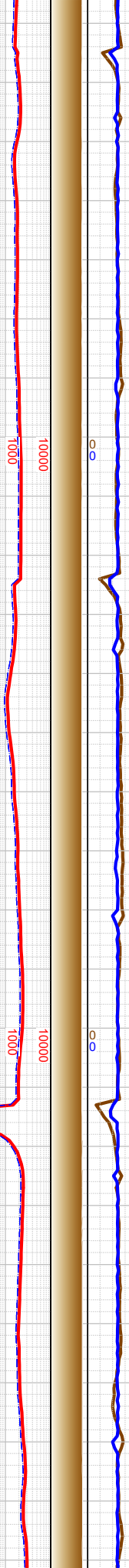
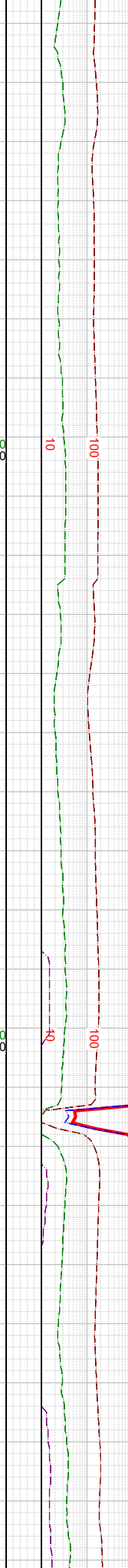
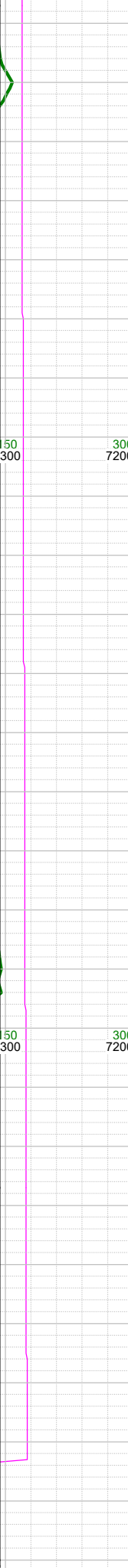
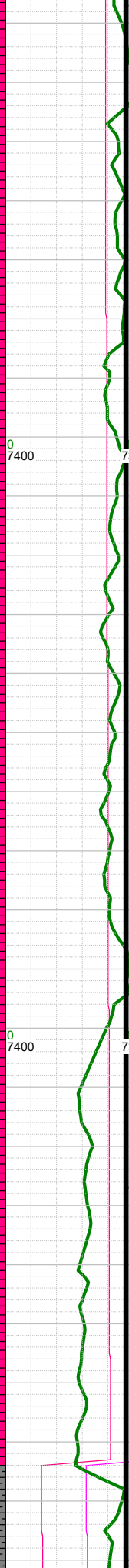
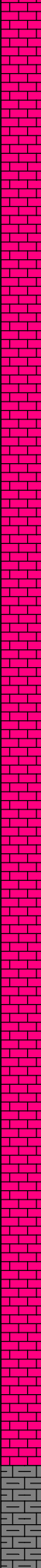


-12500 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; mod fos frags; tr pyr;





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-13270
-13280
-13290



-13101 INC
89.91, AZM
89.58, TVD
7305.61

-13120 WT 9.8,
VIS 43

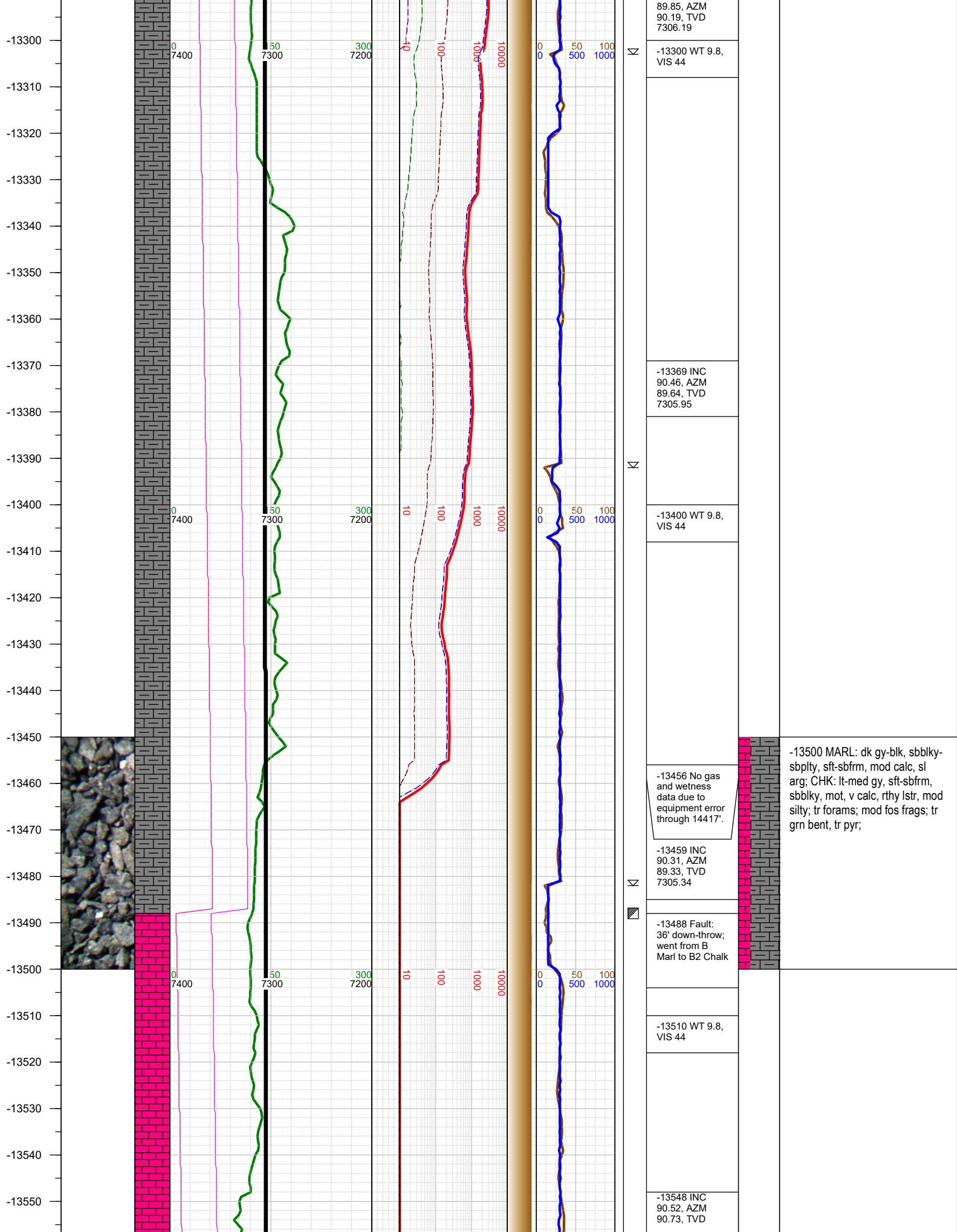
-13190 INC
89.75, AZM
89.9, TVD
7305.87

-13210 WT 9.8,
VIS 43

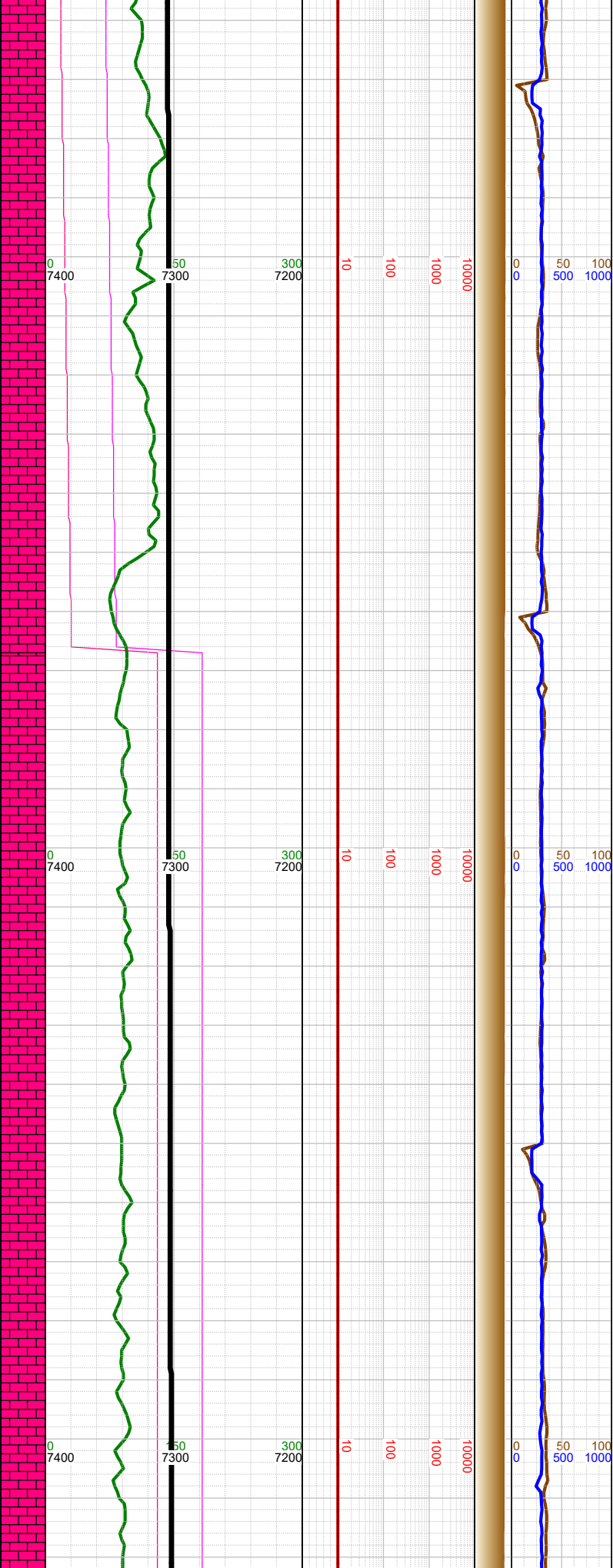
-13250 CHK: lt-med gy, sft-
sbfm, sbbly, mot, v calc, rthy
lstr, mod silty; MARL: dk gy-blk,
sbbly-sbply, sft-sbfm, mod
calc, sl arg; tr forams; tr fos frags;
tr gm bent, tr pyr;

-13274 Fault:
54' down-throw;
went from C
Chalk to B Marl

-13280 INC

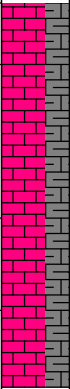


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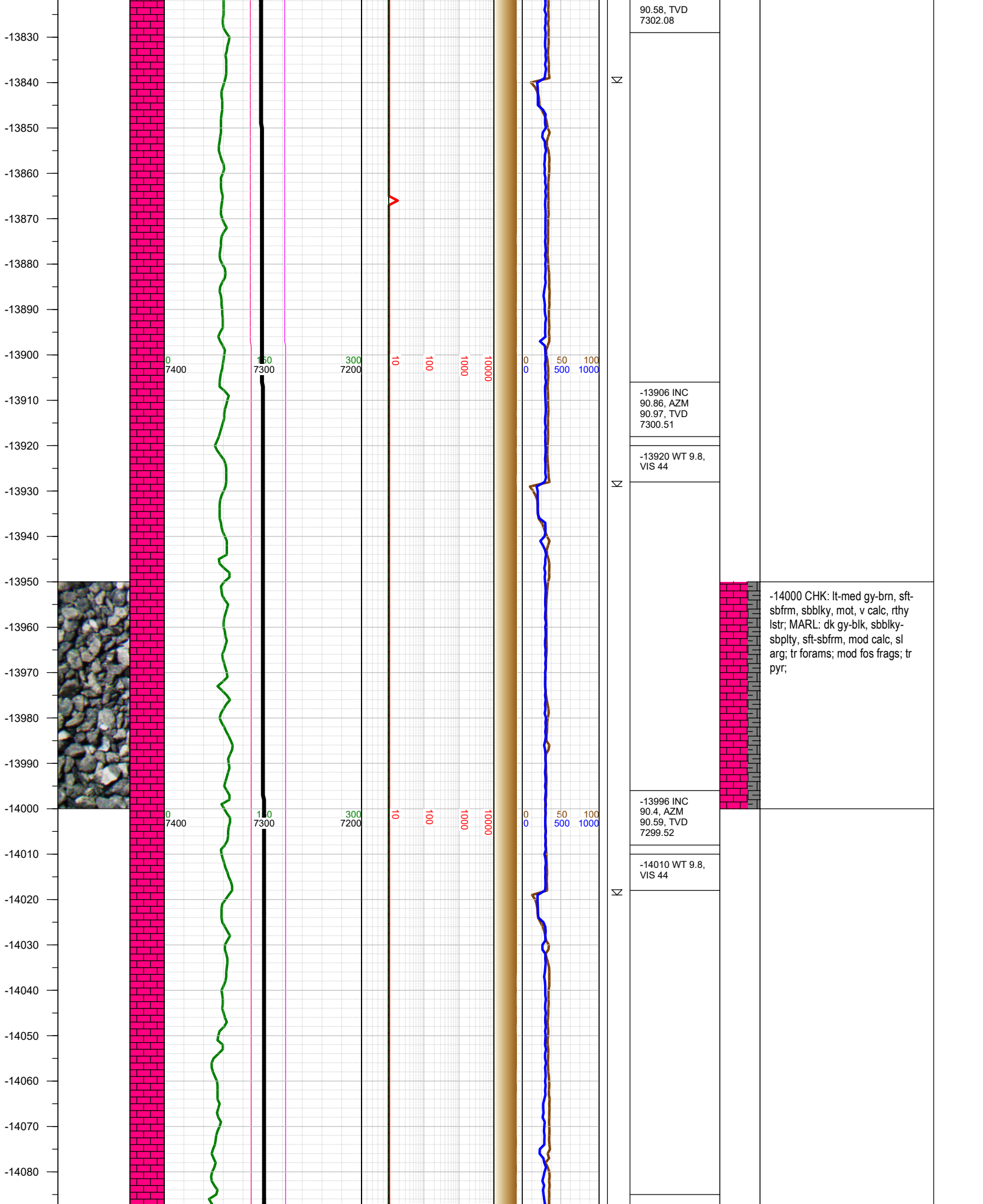


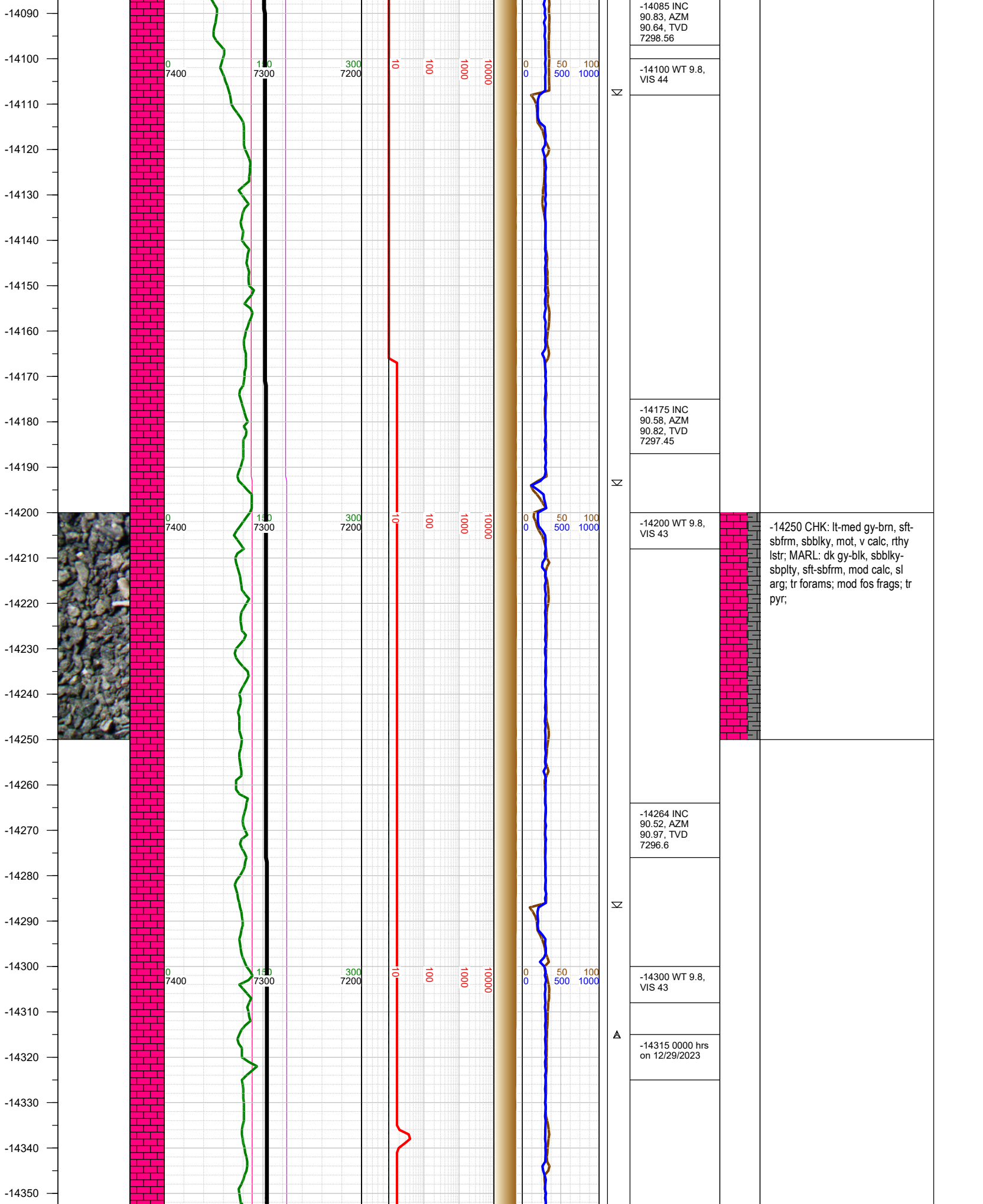
7304.7
-13600 WT 9.8, VIS 44
-13638 INC 90.31, AZM 90.89, TVD 7304.05
-13667 Fault: 67' up-throw; went from B2 Chalk to C Chalk
-13700 WT 9.8, VIS 44
-13728 INC 90.52, AZM 90.62, TVD 7303.39
-13800 WT 9.8, VIS 44
-13817 INC 91.17, AZM

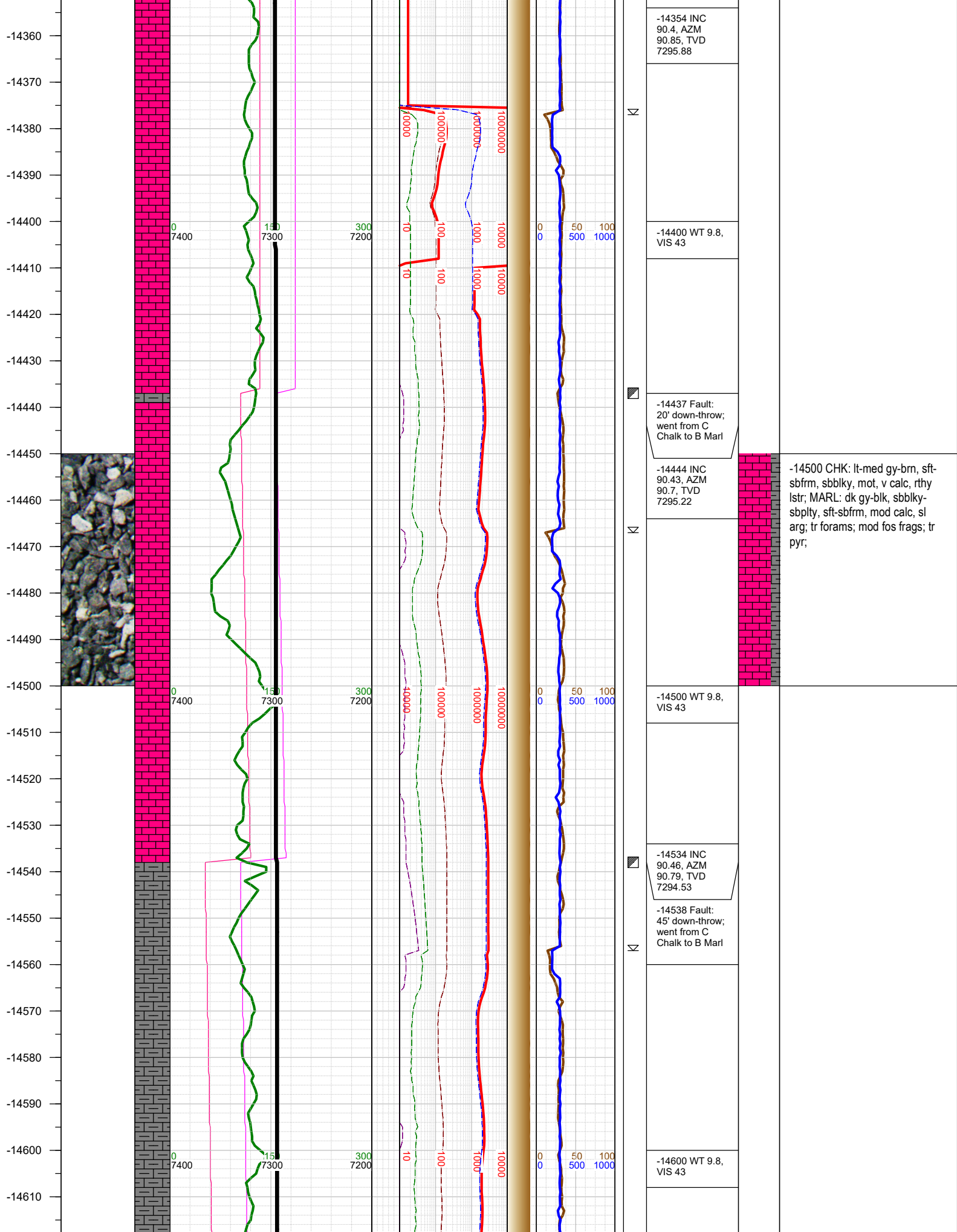
7304.7
-13600 WT 9.8, VIS 44
-13638 INC 90.31, AZM 90.89, TVD 7304.05
-13667 Fault: 67' up-throw; went from B2 Chalk to C Chalk
-13700 WT 9.8, VIS 44
-13728 INC 90.52, AZM 90.62, TVD 7303.39
-13800 WT 9.8, VIS 44
-13817 INC 91.17, AZM

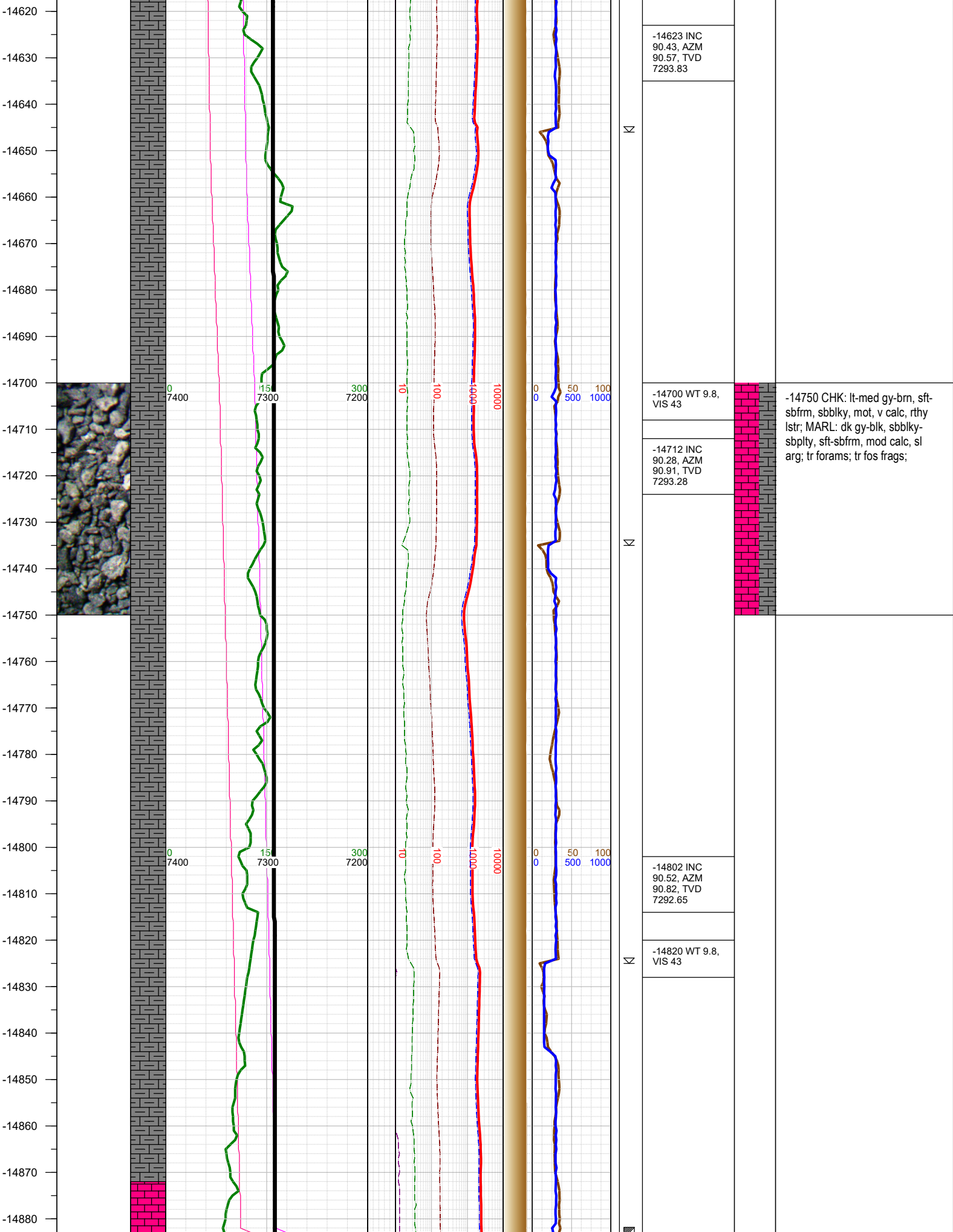


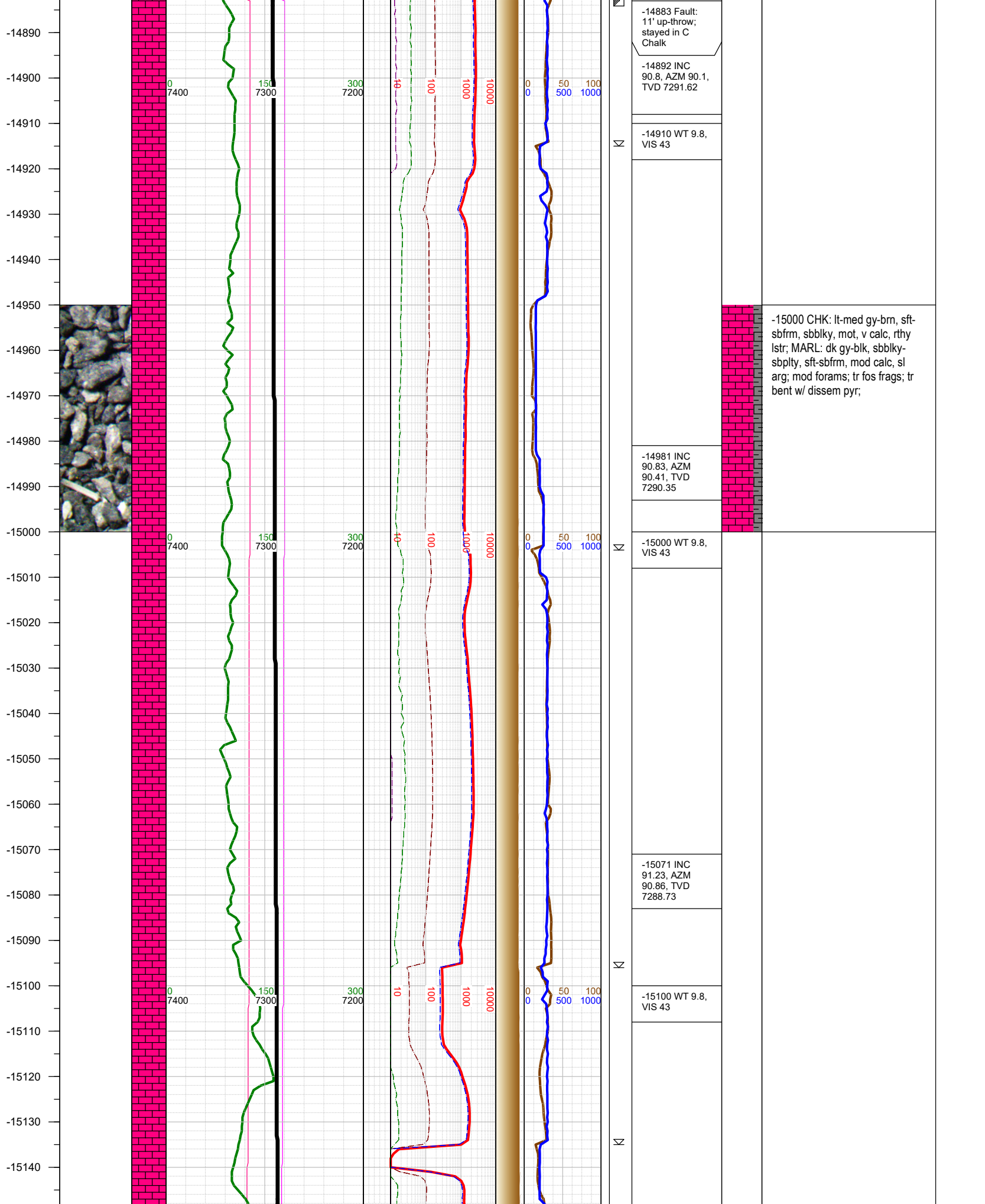
-13750 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbply, sft-sbfrm, mod calc, sl arg; tr forams; mod fos frags; tr pyr;

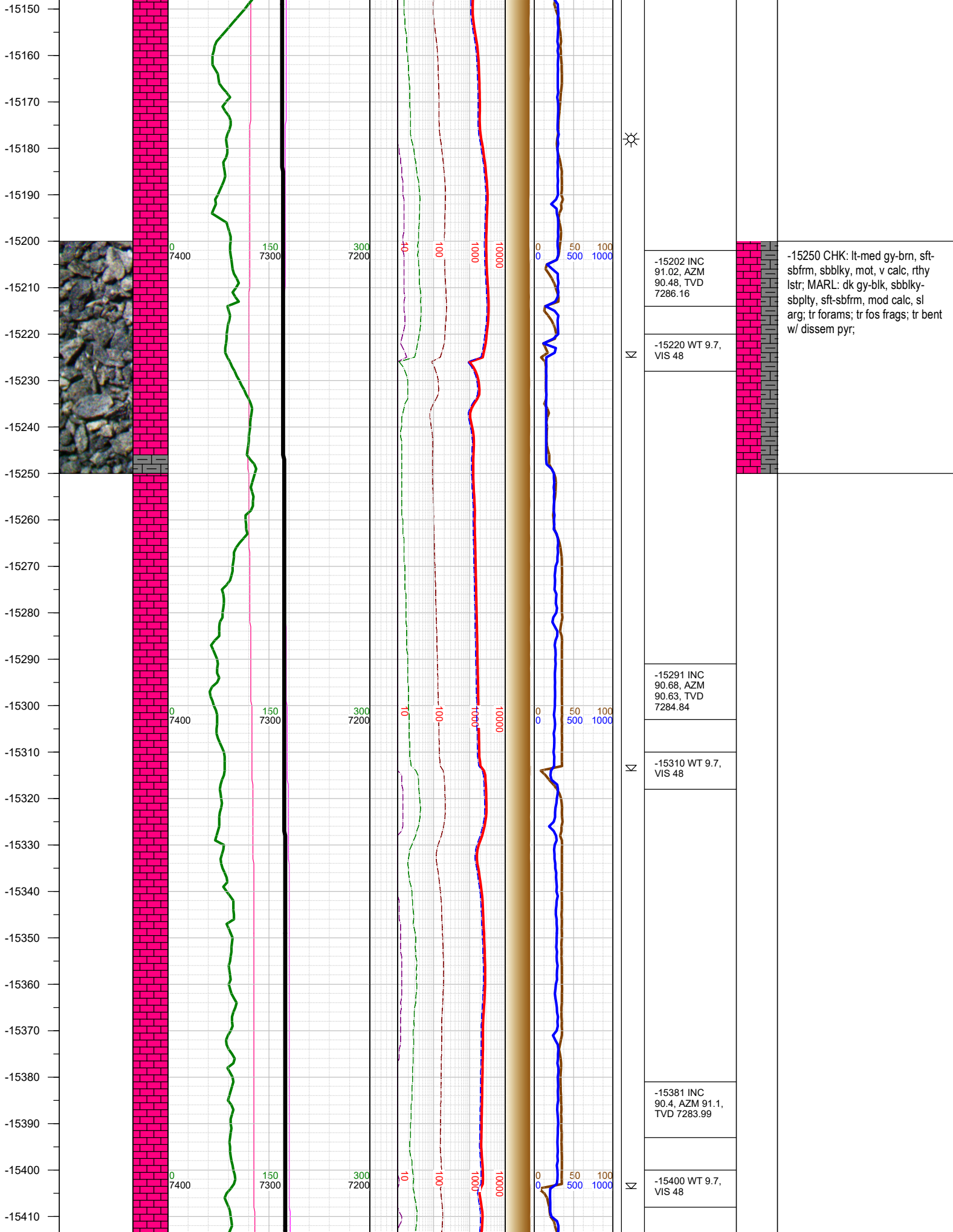












-15202 INC
91.02, AZM
90.48, TVD
7286.16



-15220 WT 9.7,
VIS 48

-15291 INC
90.68, AZM
90.63, TVD
7284.84



-15310 WT 9.7,
VIS 48

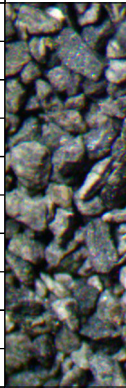
-15381 INC
90.4, AZM 91.1,
TVD 7283.99



-15400 WT 9.7,
VIS 48

-15250 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr bent w/ dissemin pyr;

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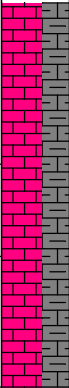
-15471 INC
90.74, AZM
90.72, TVD
7283.1

-15500 WT 9.7,
VIS 48

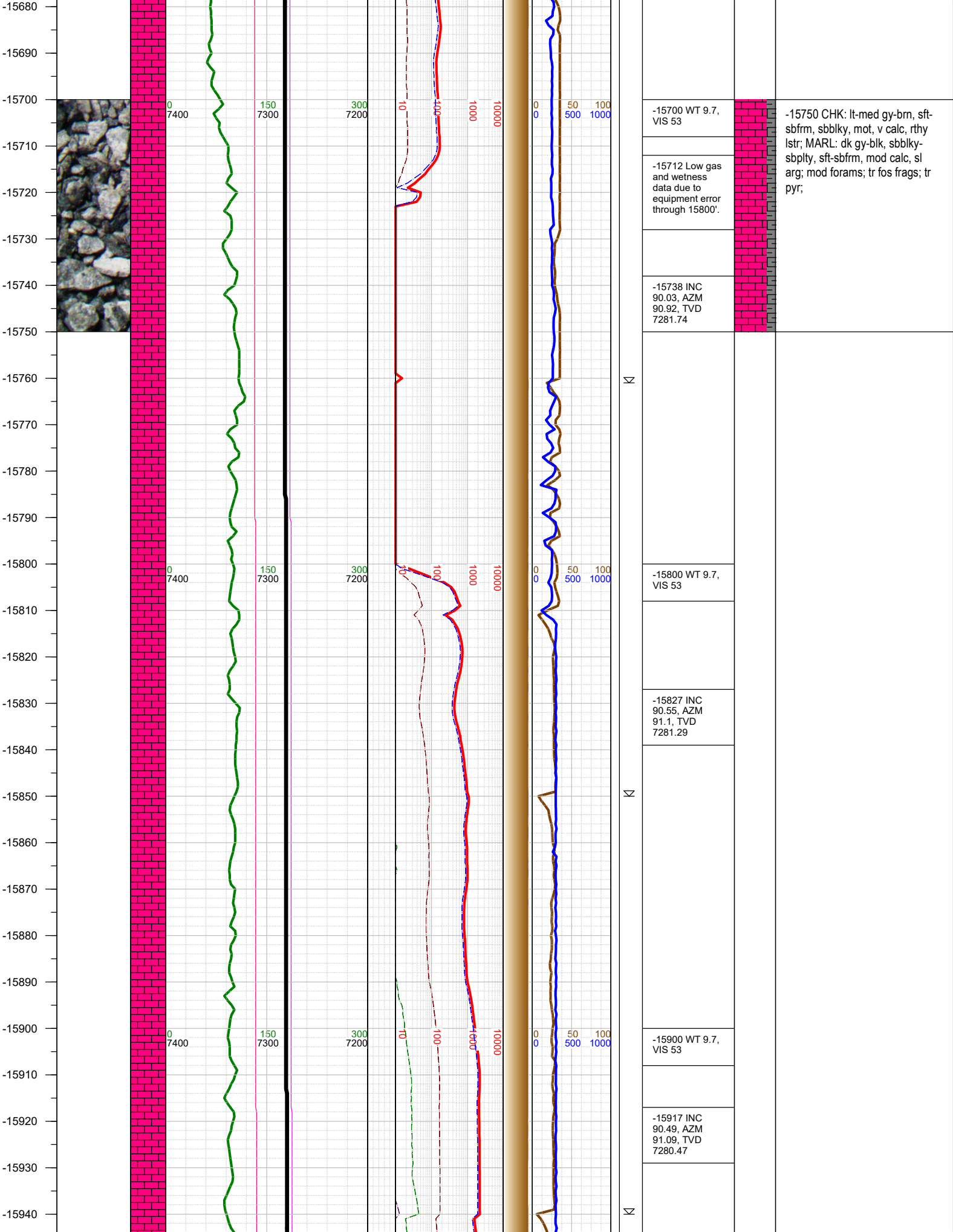
-15560 INC
90.8, AZM
90.68, TVD
7281.9

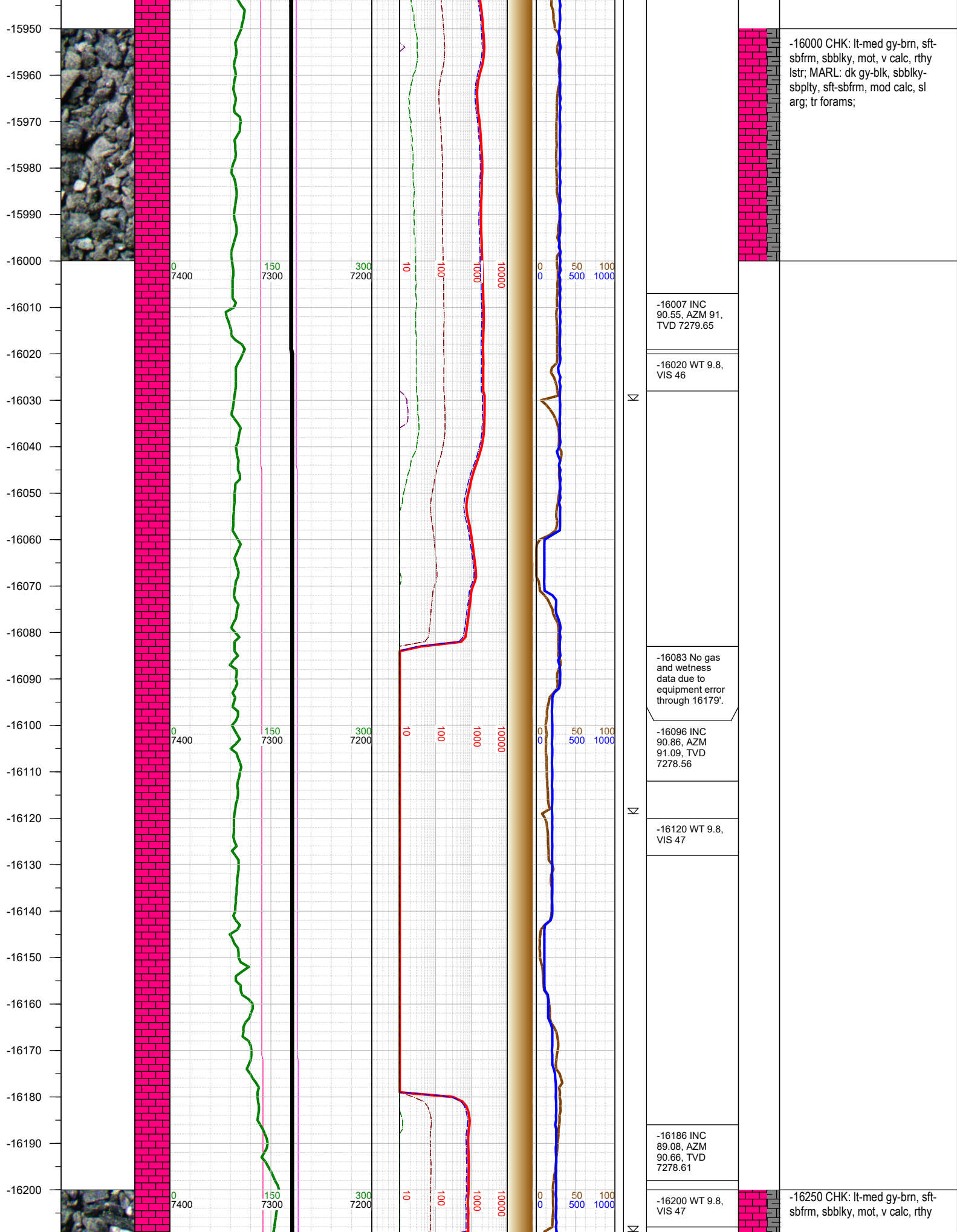
-15600 WT 9.7,
VIS 53

-15649 INC
89.69, AZM
90.74, TVD
7281.52



-15500 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr;





-16000 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr forams;

-16007 INC
90.55, AZM 91,
TVD 7279.65

-16020 WT 9.8,
VIS 46

-16083 No gas
and wetness
data due to
equipment error
through 16179'.

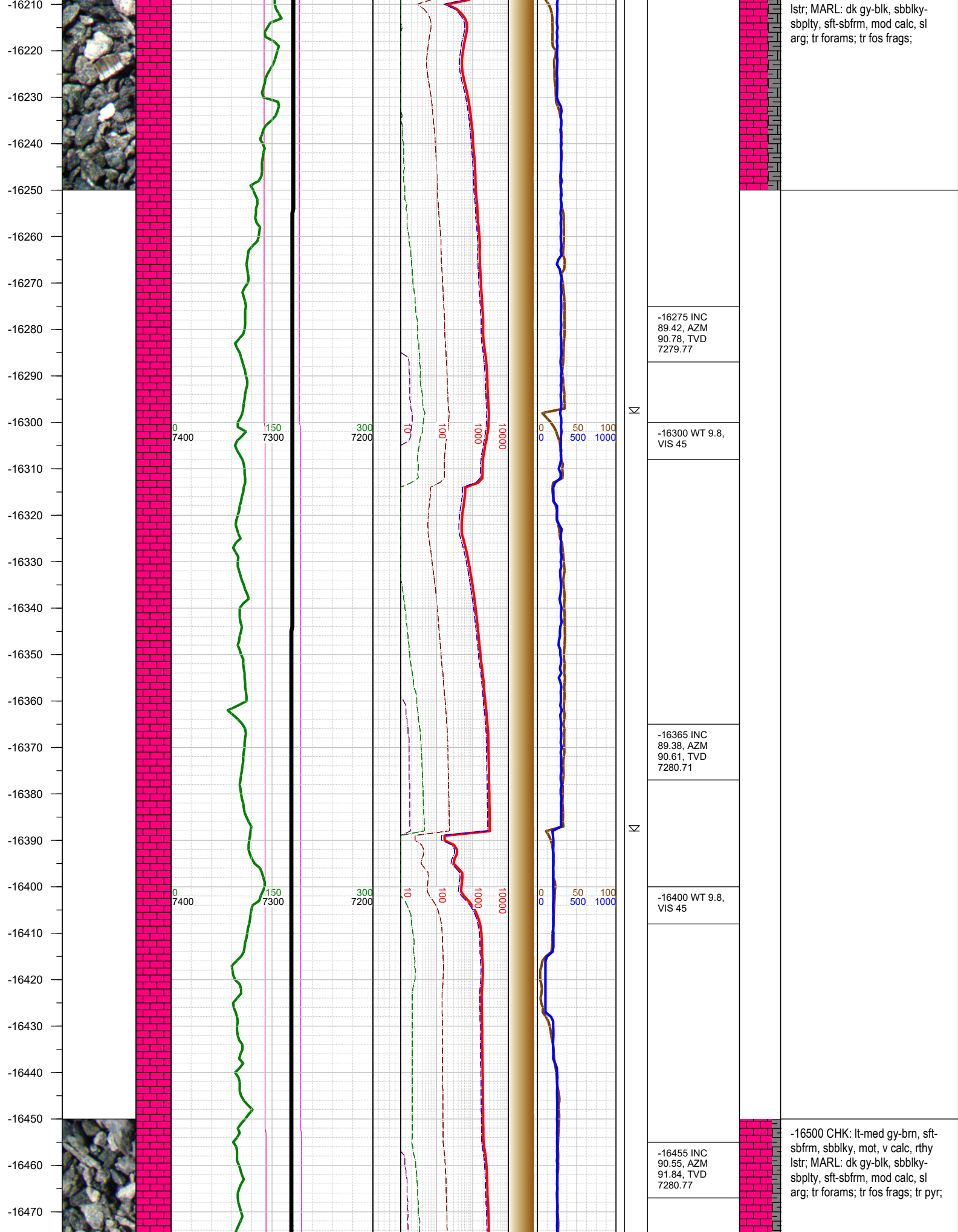
-16096 INC
90.86, AZM
91.09, TVD
7278.56

-16120 WT 9.8,
VIS 47

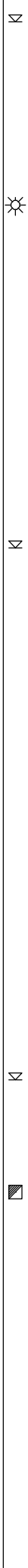
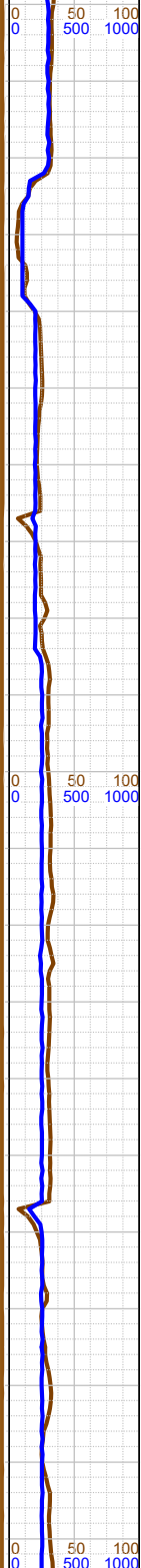
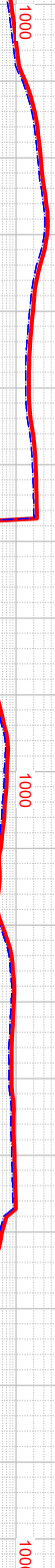
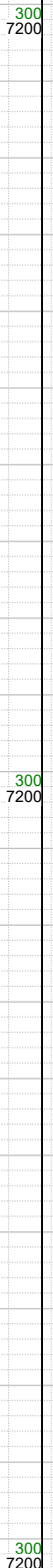
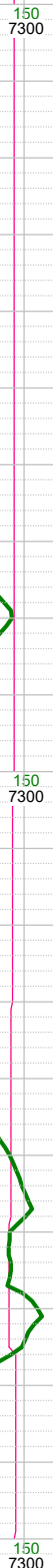
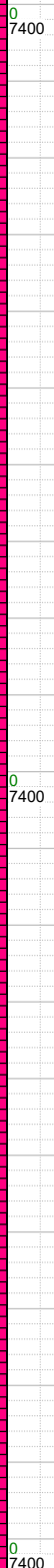
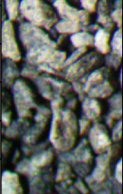
-16186 INC
89.08, AZM
90.66, TVD
7278.61

-16200 WT 9.8,
VIS 47

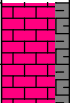
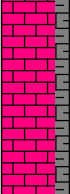
-16250 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy



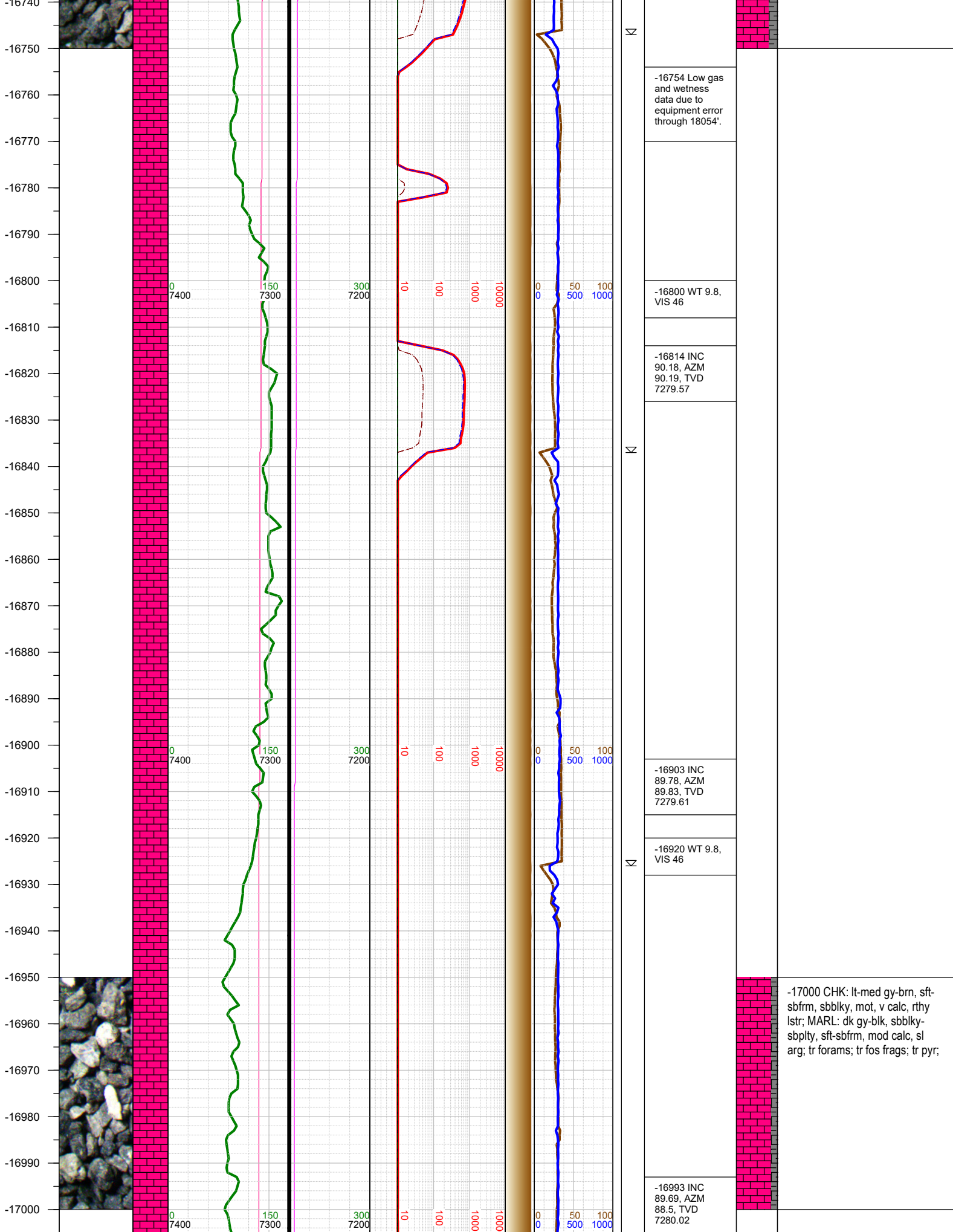
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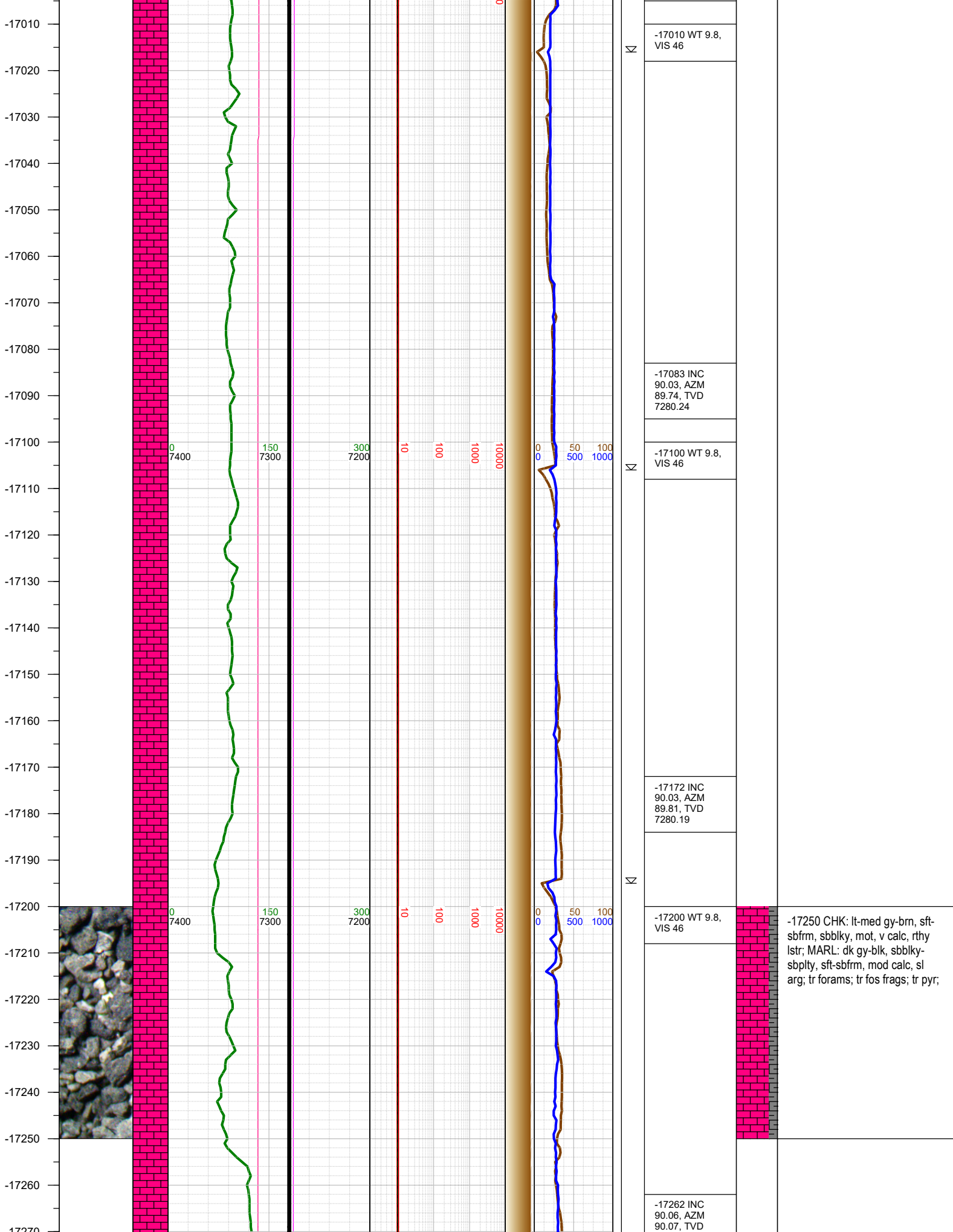


☒	-16500 WT 9.8, VIS 44
☼	
☒	-16544 INC 90.22, AZM 93.39, TVD 7280.17
☒	
☒	-16600 WT 9.8, VIS 44
☒	-16634 INC 90.12, AZM 89.77, TVD 7279.9
☒	
☒	-16676 Fault: 4' up-throw; stayed in C Chalk
☒	-16700 WT 9.8, VIS 44
☒	-16724 INC 90.06, AZM 89.74, TVD 7279.76

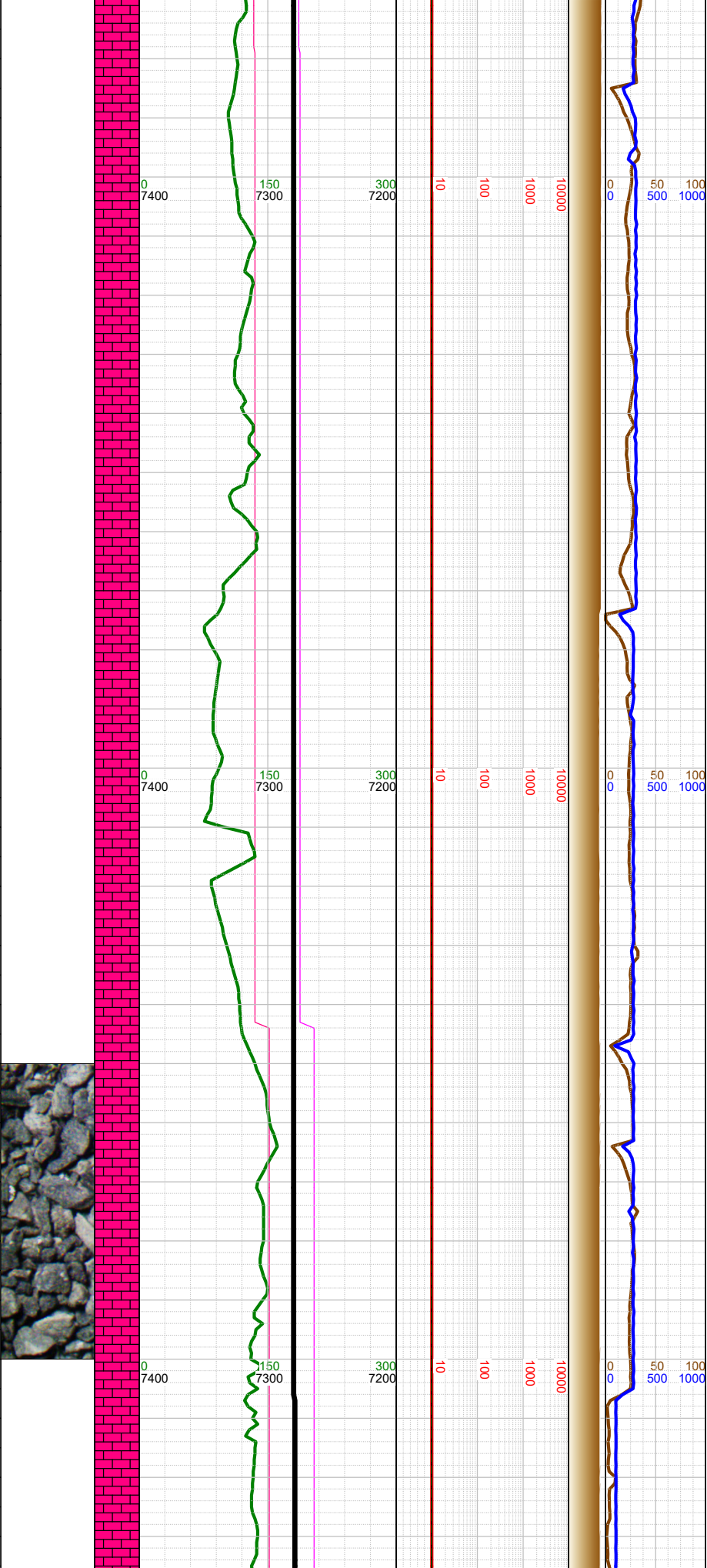


-16750 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr;

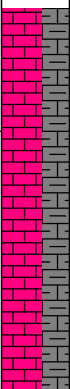




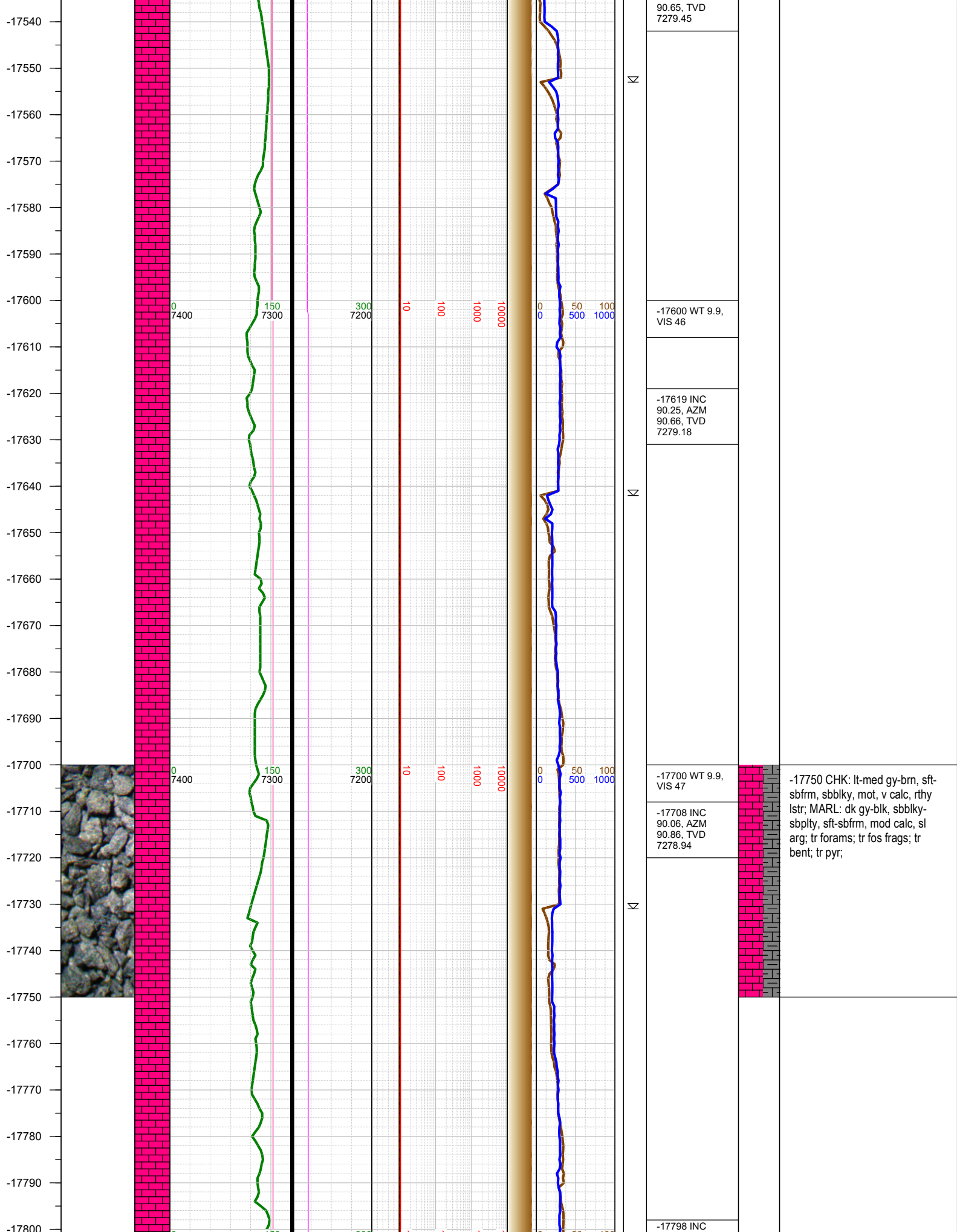
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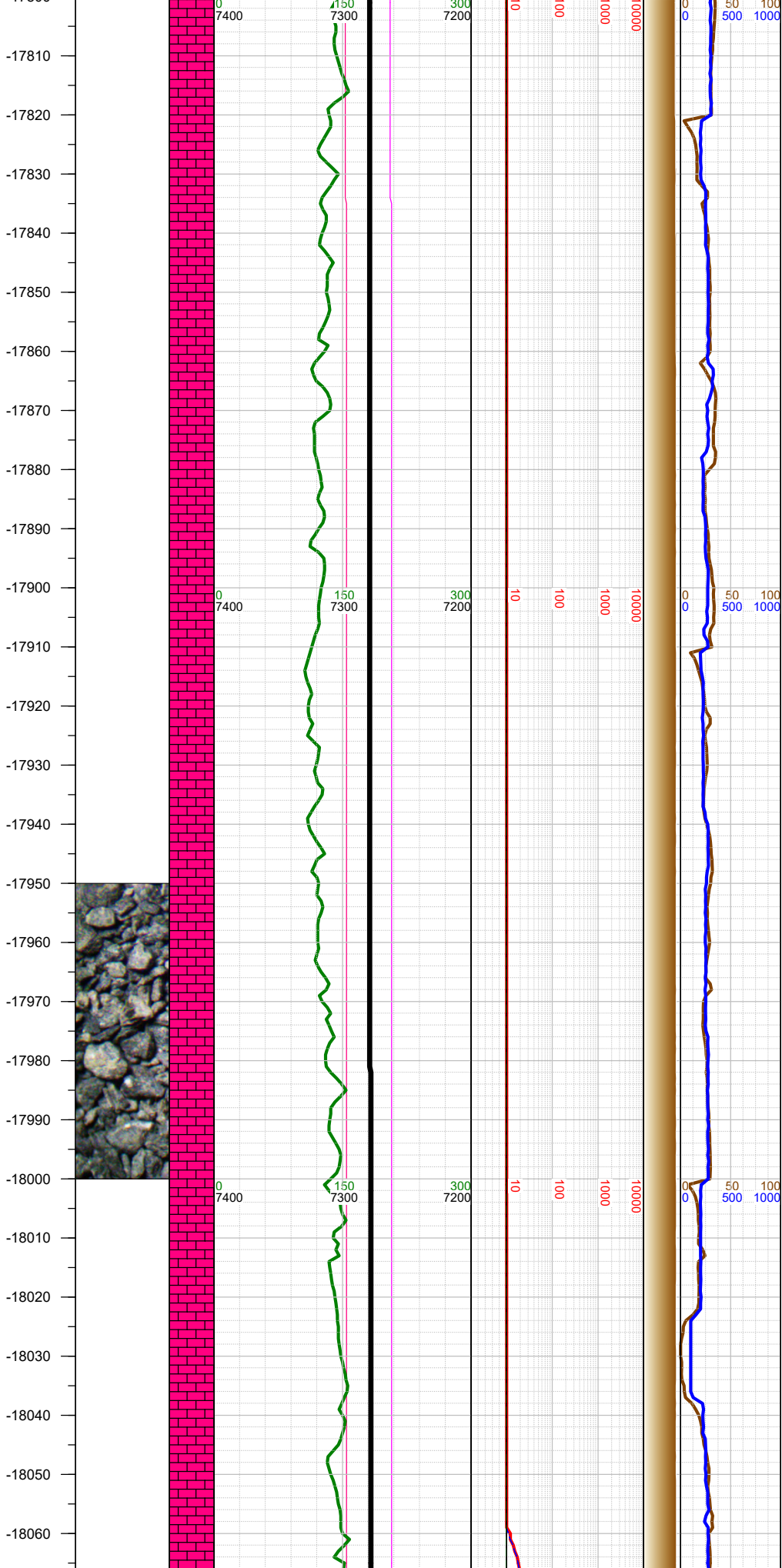


7280.12	
-17300 WT 9.8, VIS 50	
-17351 INC 90.18, AZM 89.79, TVD 7279.94	
-17375 0000 hrs on 12/30/2023	
-17400 WT 9.9, VIS 46	
-17441 INC 90.18, AZM 89.93, TVD 7279.65	
-17444 Fault: 11' up-throw; stayed in C Chalk	
-17500 WT 9.9, VIS 46	
-17530 INC 90.09, AZM	



-17500 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr bent; tr pyr;

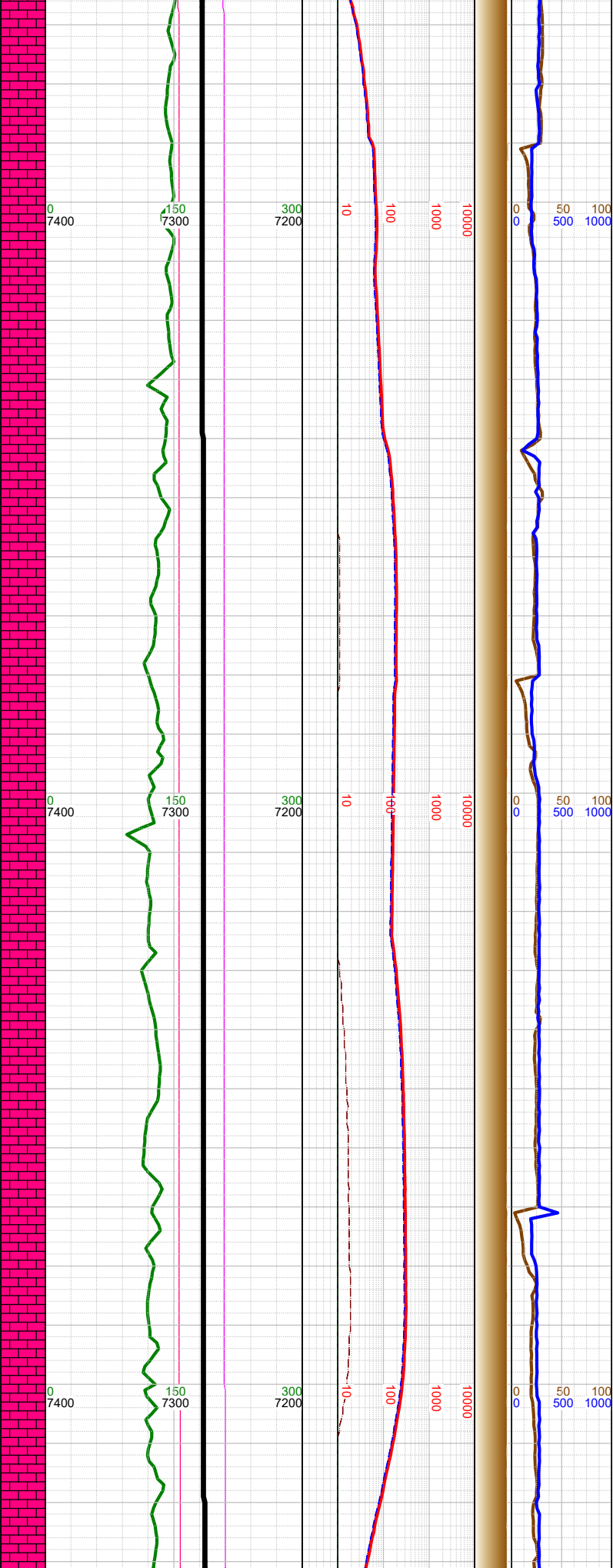




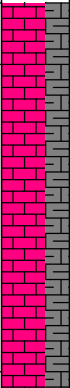
Σ	90.03, AZM 90.52, TVD 7278.87	
	-17810 WT 9.9, VIS 47	
Σ		
	-17888 INC 90.15, AZM 90.48, TVD 7278.73	
	-17900 WT 9.9, VIS 47	
Σ		
	-17978 INC 90.12, AZM 90.95, TVD 7278.52	
	-18000 WT 9.9, VIS 48	

-18000 CHK: lt-med gy-brn, sft-sbfrm, sbbiky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbiky-sbply, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr bent; tr pyr;

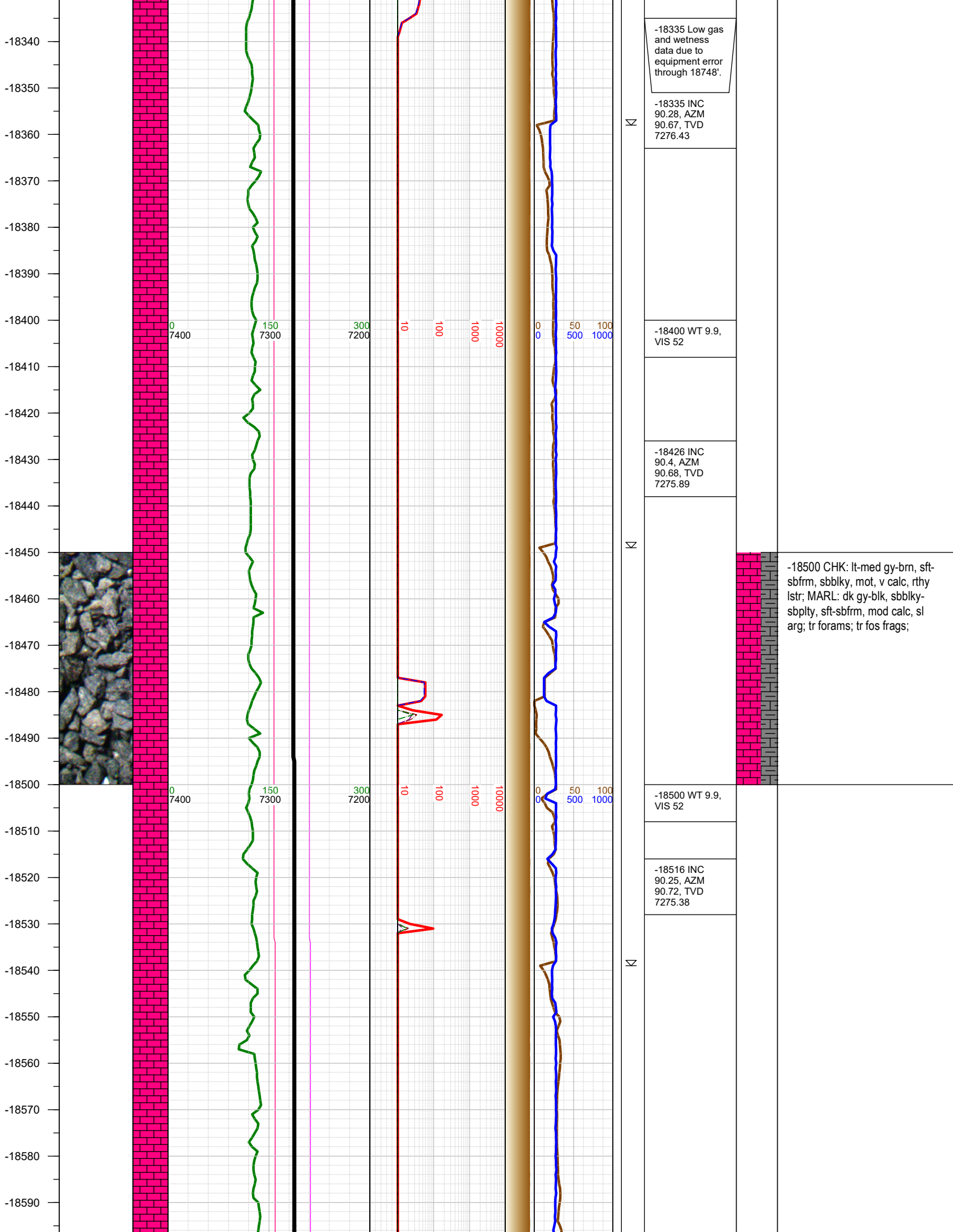
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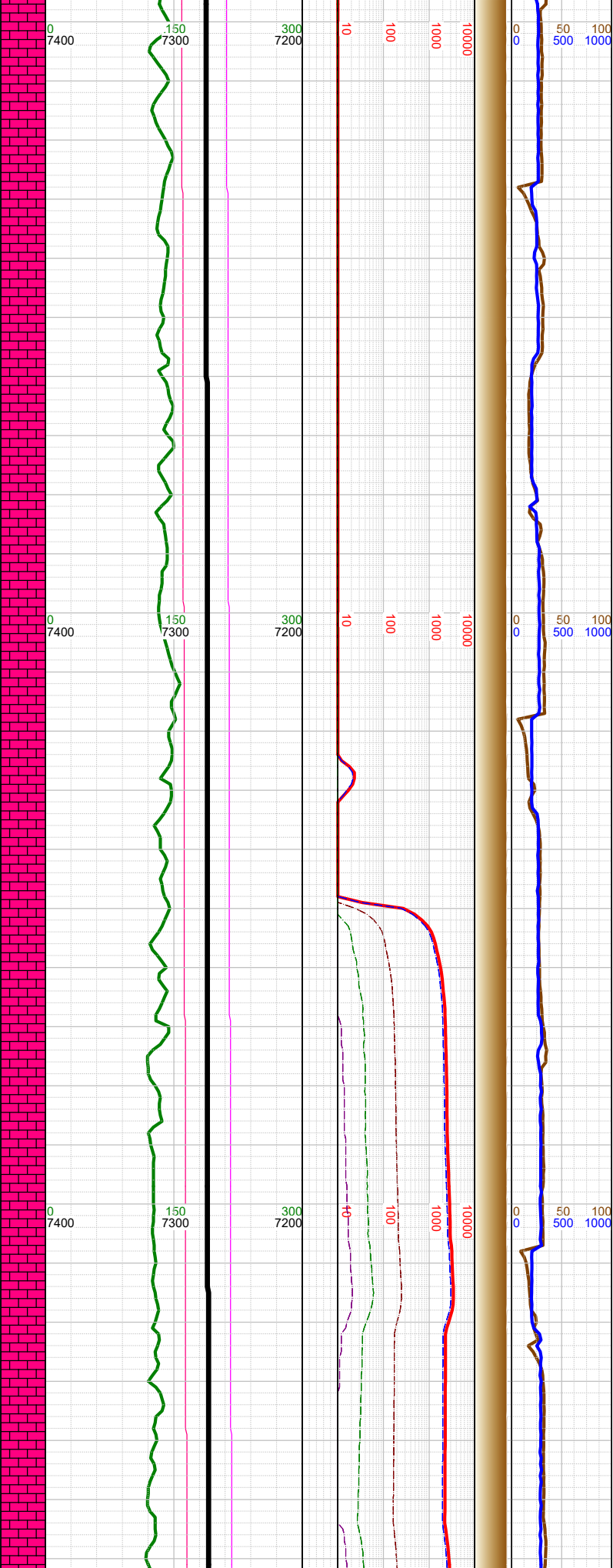
N	-18068 INC 90.49, AZM 90.65, TVD 7278.04
	-18100 WT 9.9, VIS 48
N	-18158 INC 90.37, AZM 90.77, TVD 7277.36
	-18200 WT 9.9, VIS 51
N	-18248 INC 90.28, AZM 90.98, TVD 7276.85
	-18300 WT 9.9, VIS 51



-18250 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr bent; tr pyr;



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-18605 INC
90.4, AZM
90.76, TVD
7274.87

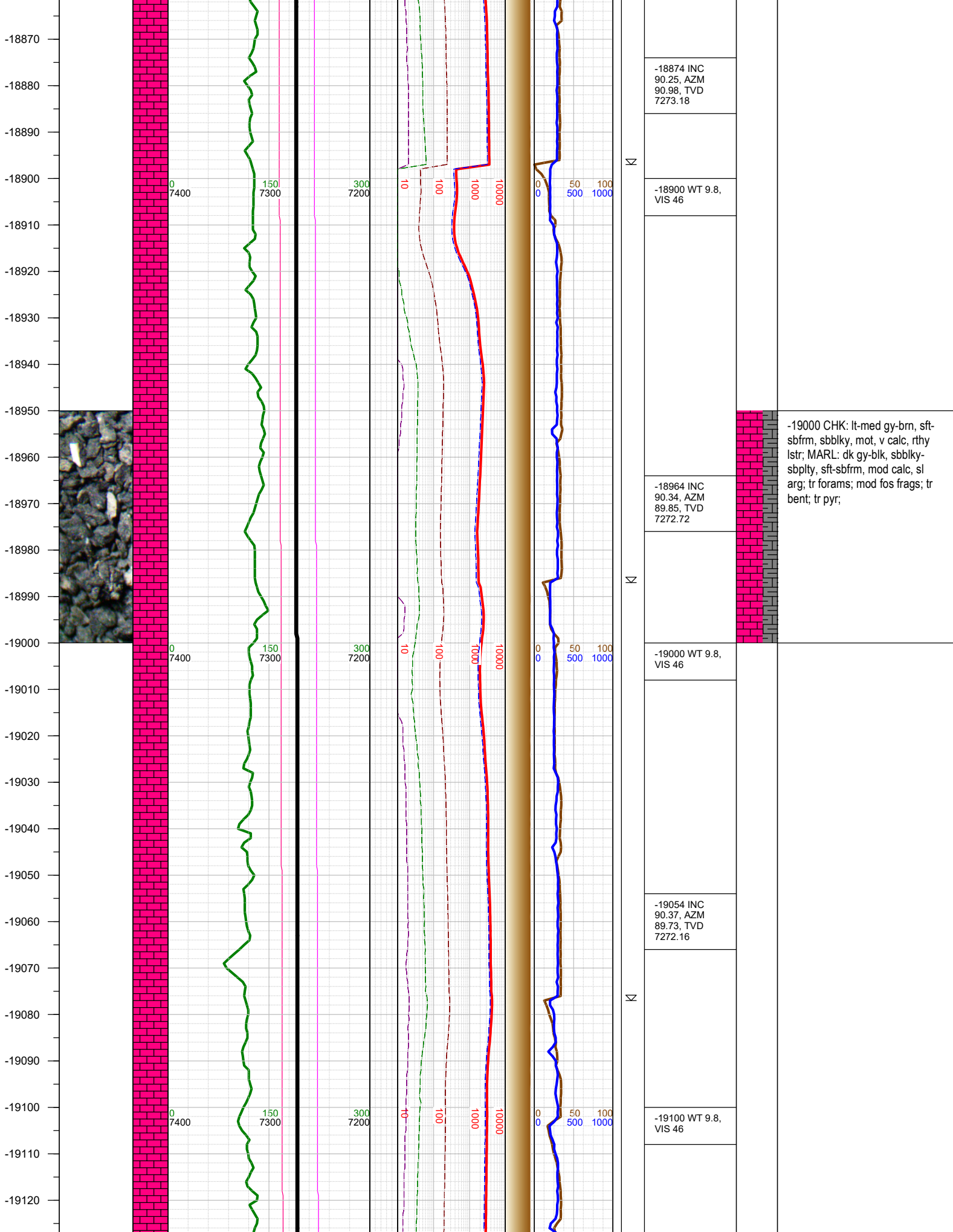
-18620 WT 9.9,
VIS 51

-18700 WT 9.9,
VIS 51

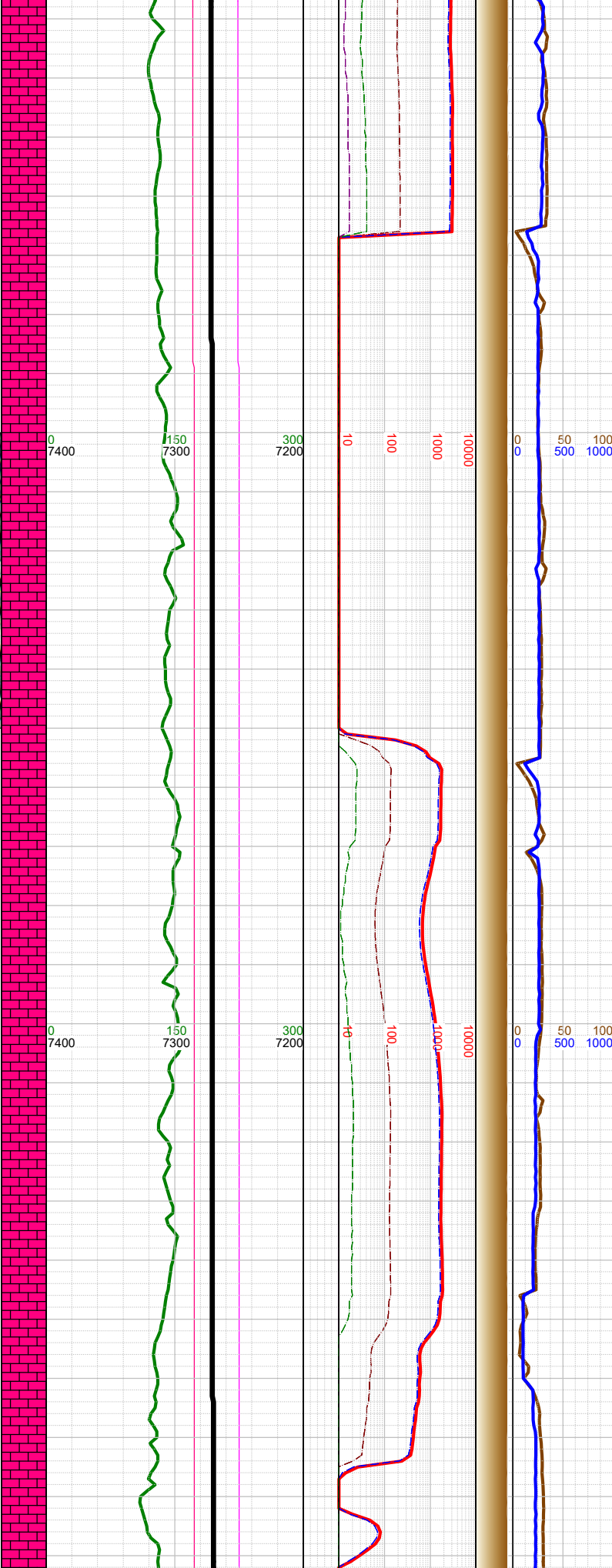
-18785 INC
90.37, AZM
90.69, TVD
7273.66

-18800 WT 9.9,
VIS 53

-18750 CHK: lt-med gy-brn, sft-
sbfrm, sbbkly, mot, v calc, rthy
lstr; MARL: dk gy-blk, sbbkly-
sbply, sft-sbfrm, mod calc, sl
arg; tr forams; mod fos frags;



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-19144 INC
90.18, AZM
89.98, TVD
7271.73

-19167 Low gas
and wetness
data due to
equipment error
through 19251'.

-19200 WT 9.8,
VIS 45

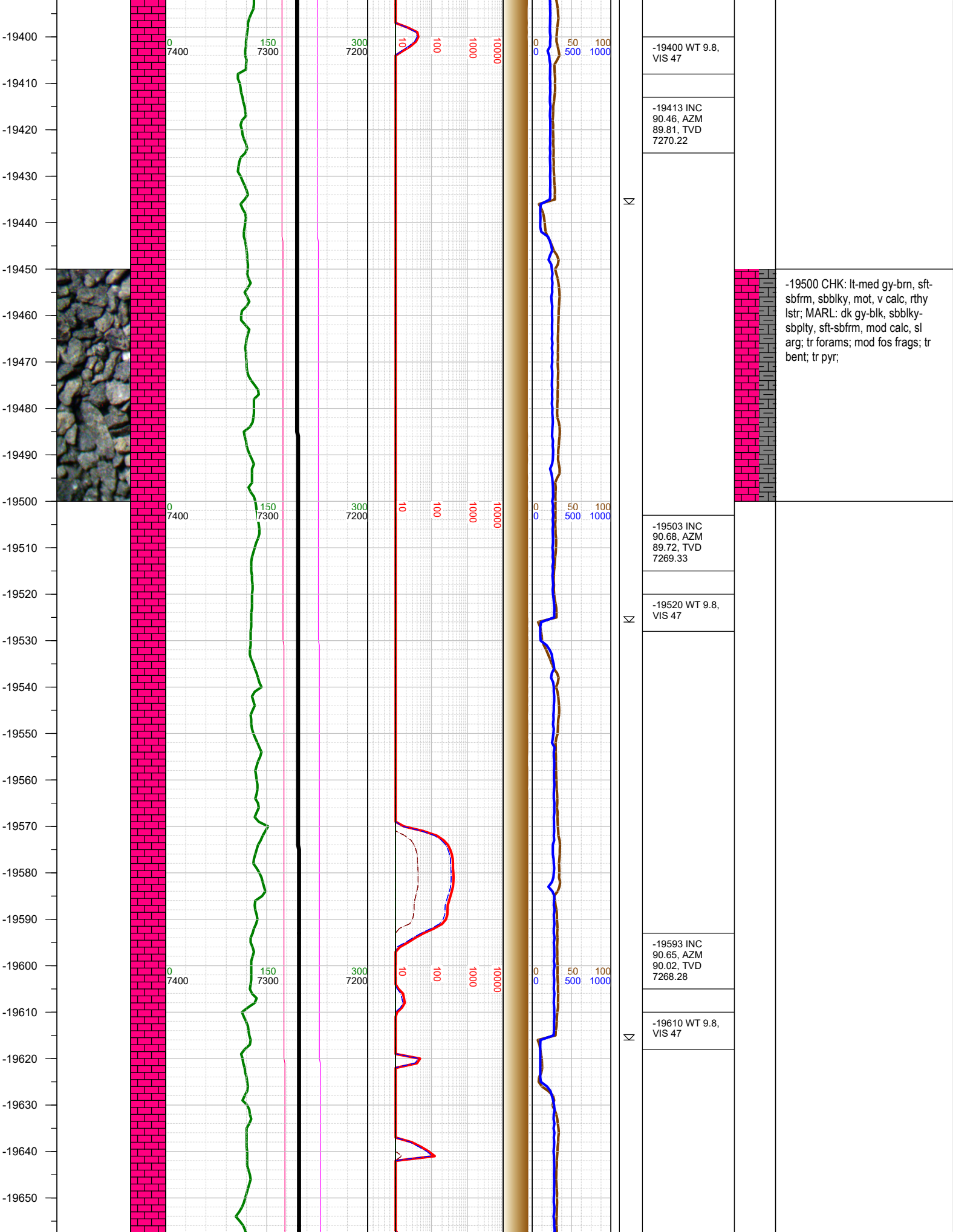
-19233 INC
90.46, AZM
89.73, TVD
7271.23

-19300 WT 9.8,
VIS 45

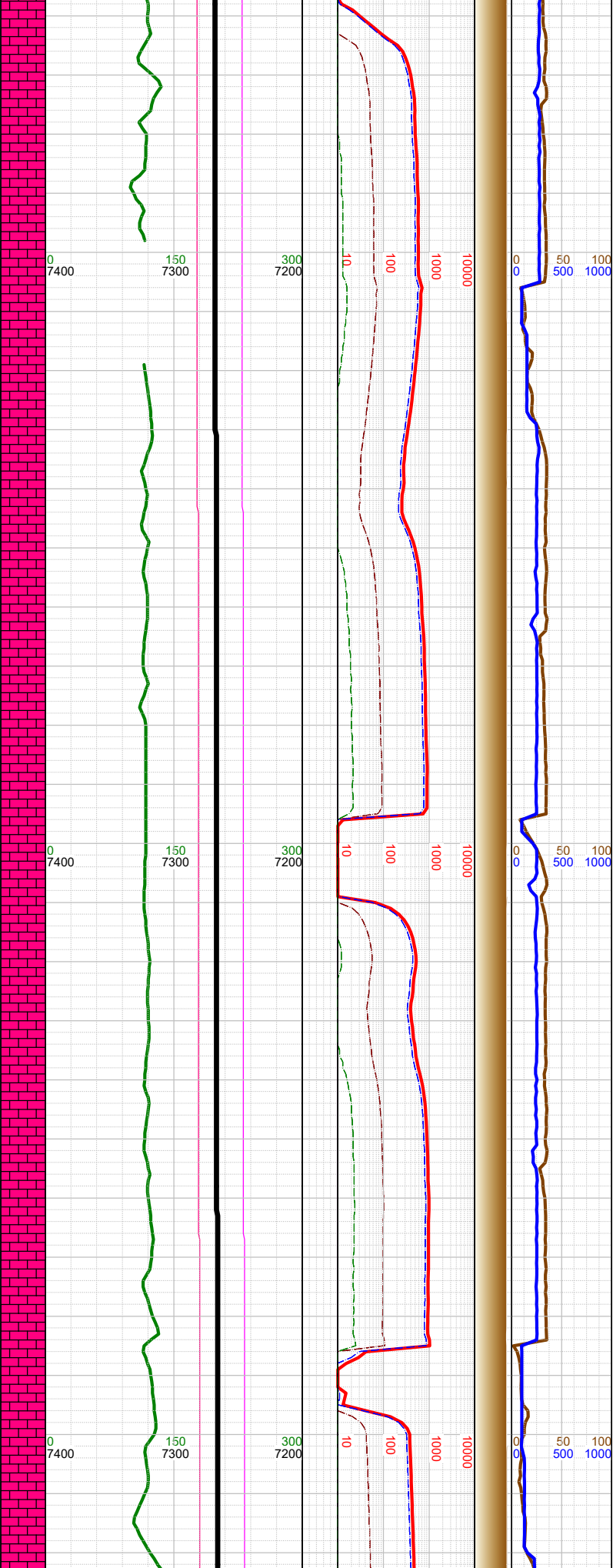
-19323 INC
90.18, AZM
89.9, TVD
7270.73

-19374 Low gas
and wetness
data due to
equipment error
through 19658'.

-19250 CHK: lt-med gy-brn, sft-
sbfm, sbblky, mot, v calc, rthy
lstr; MARL: dk gy-blk, sbblky-
sbply, sft-sbfm, mod calc, sl
arg; tr forams; mod fos frags; tr
bent; tr pyr;



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-19683 INC
90.09, AZM
89.54, TVD
7267.7

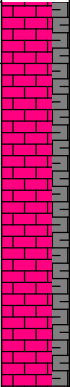
-19700 WT 9.8,
VIS 47

-19773 INC
90.4, AZM
89.72, TVD
7267.32

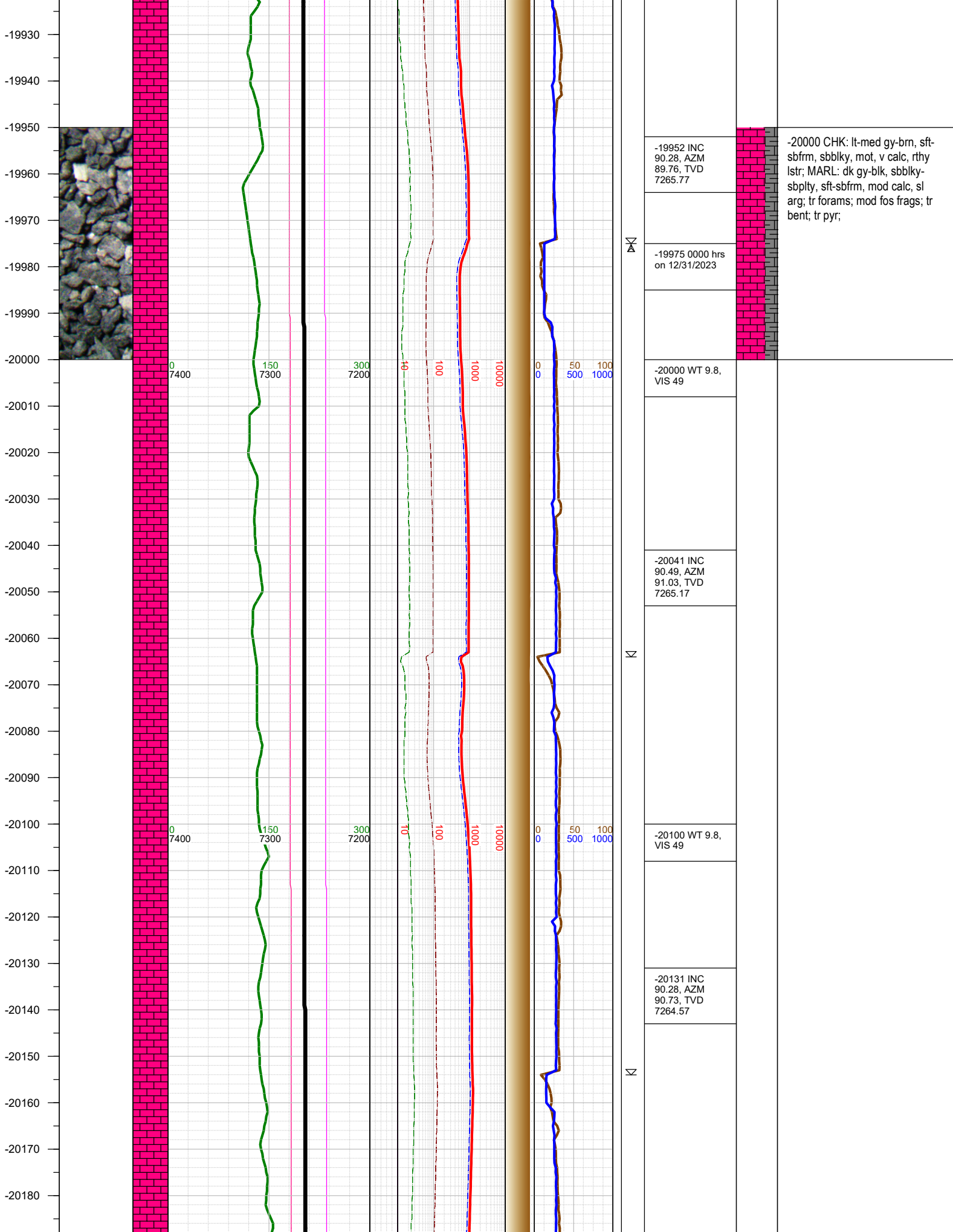
-19800 WT 9.8,
VIS 47

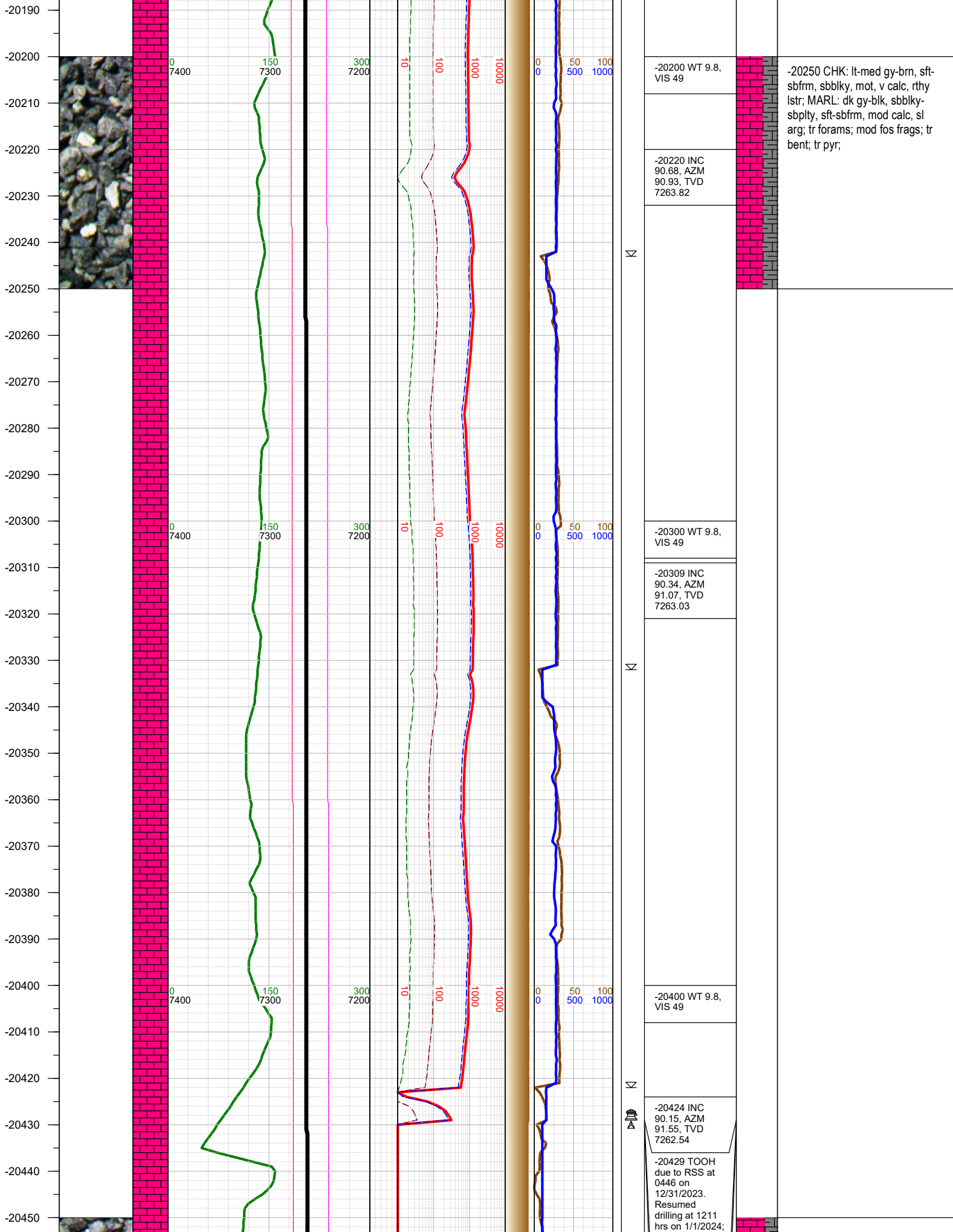
-19862 INC
90.65, AZM
89.78, TVD
7266.5

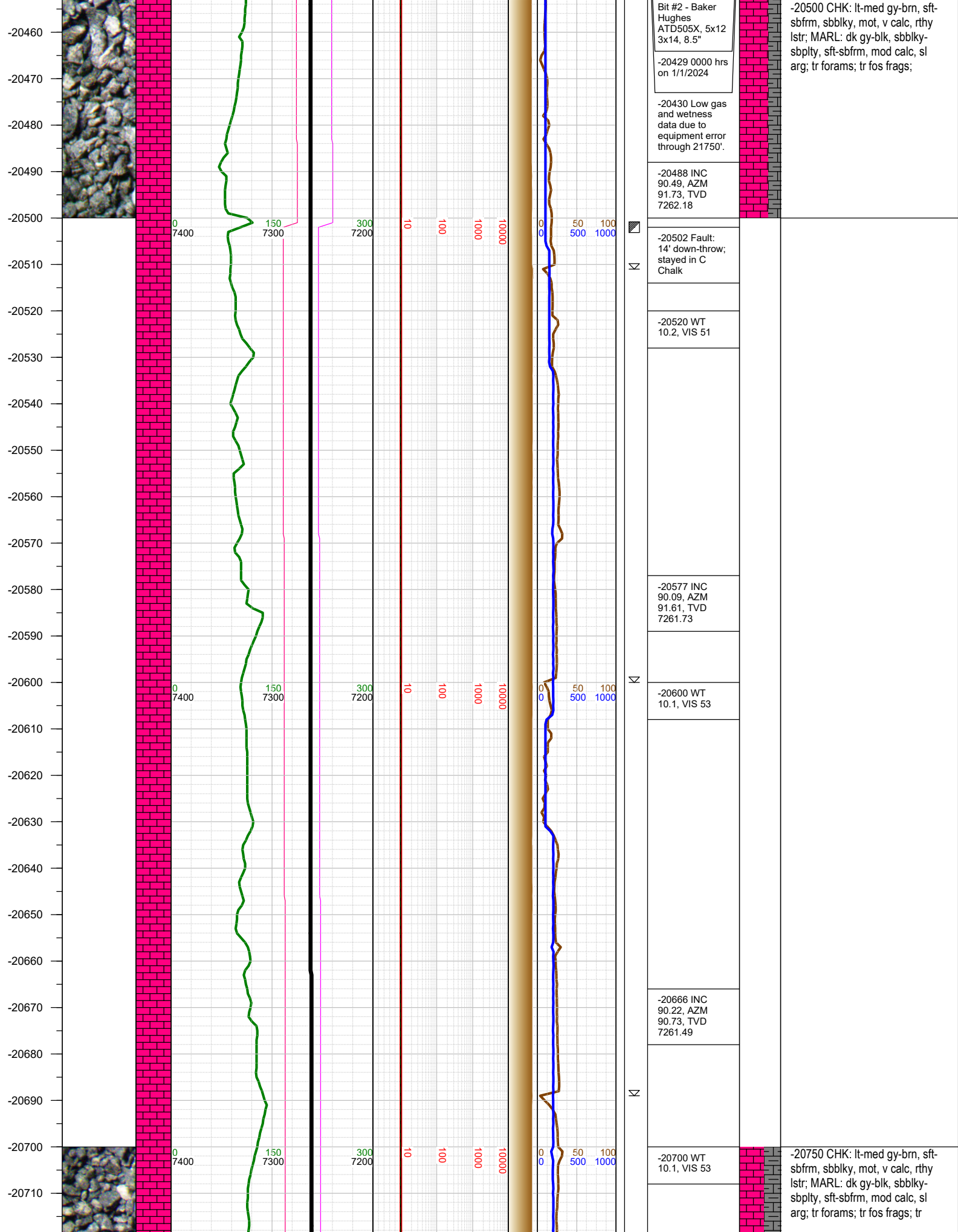
-19900 WT 9.8,
VIS 49

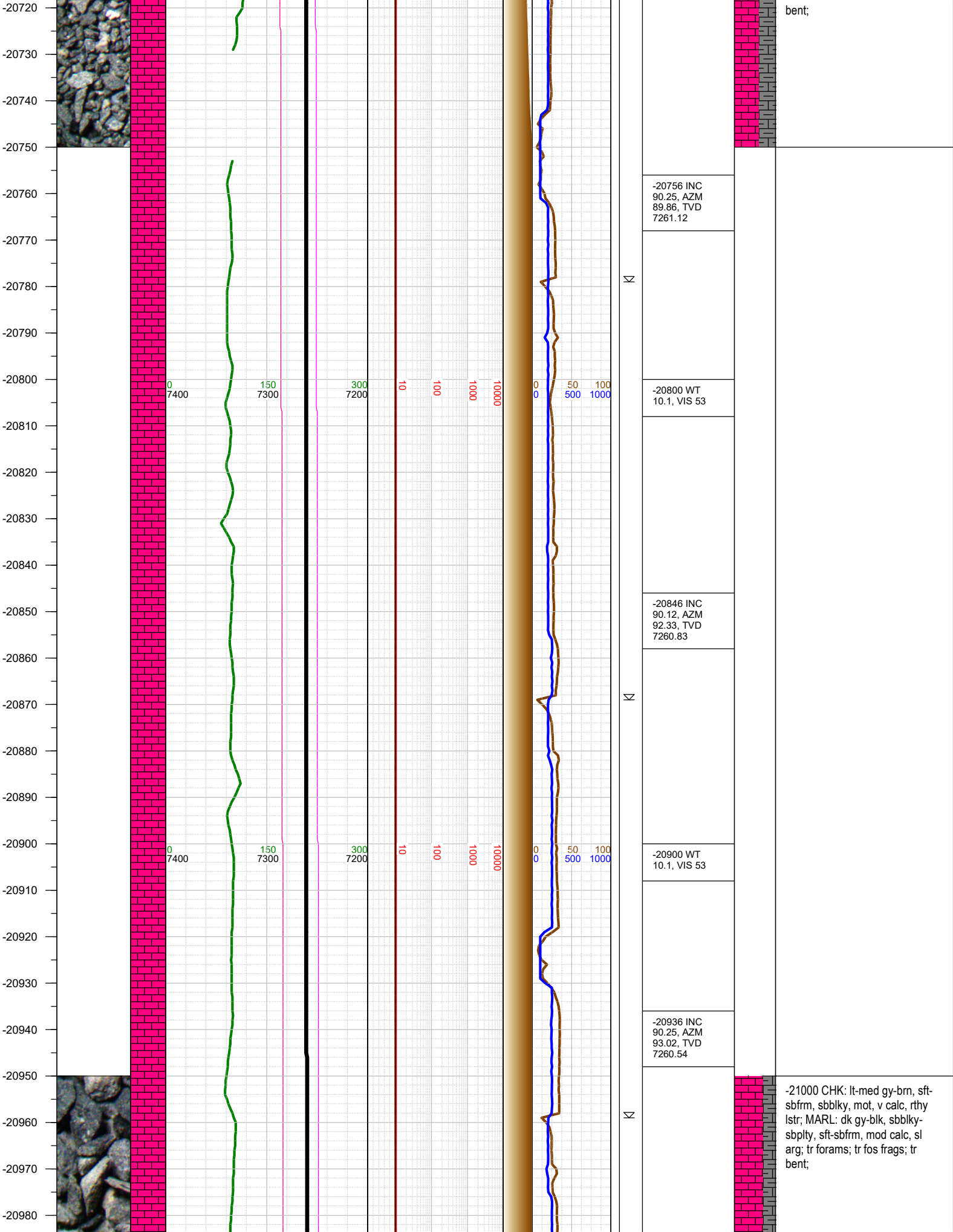


-19750 CHK: lt-med gy-bm, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; mod fos frags; tr bent; tr pyr;

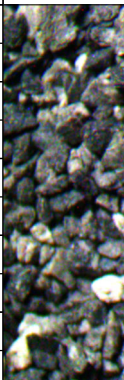








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-21000 WT
10.1, VIS 53

-21025 INC
90.22, AZM
90.32, TVD
7260.18

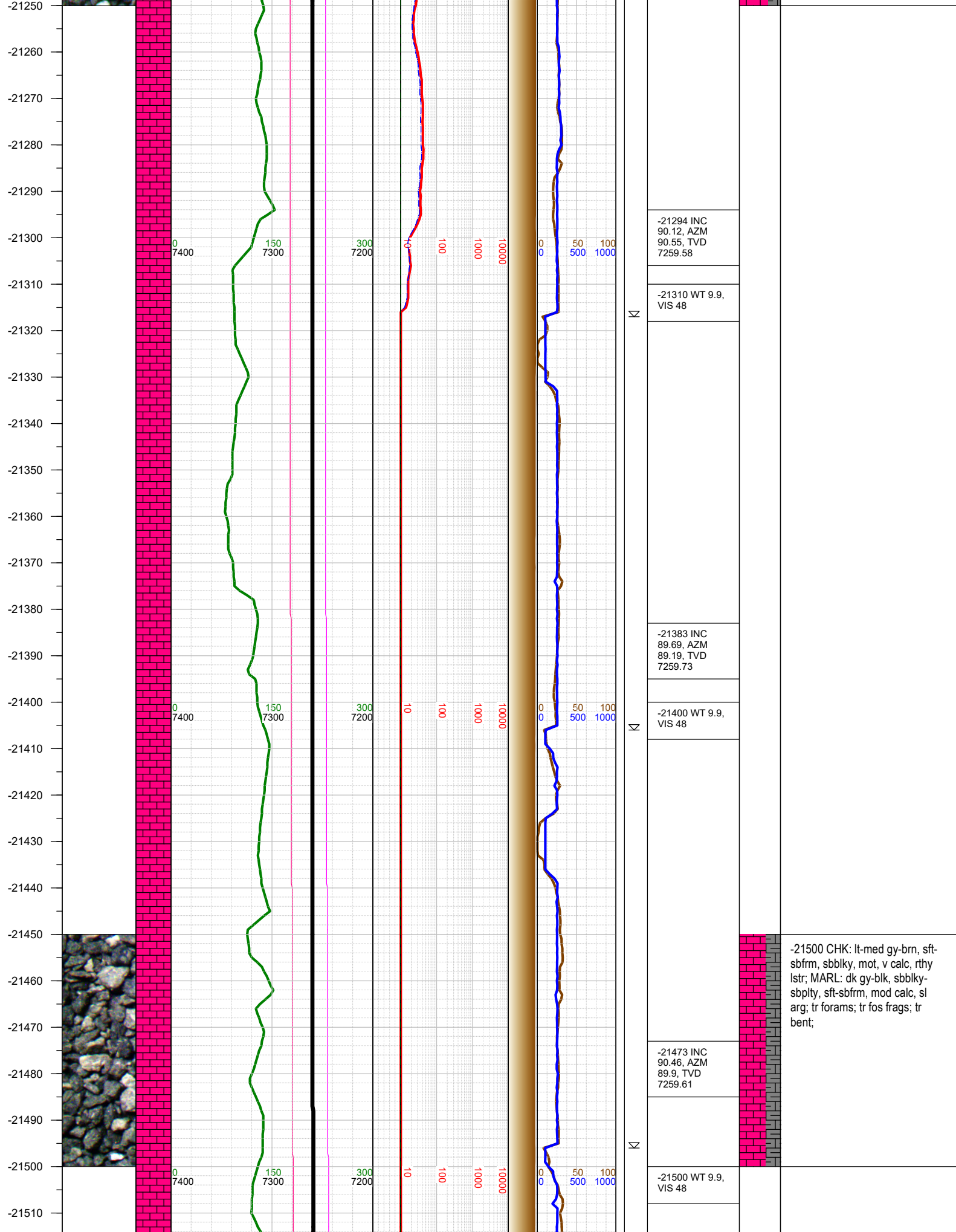
-21100 WT 9.9,
VIS 48

-21114 INC
90.18, AZM
91.55, TVD
7259.87

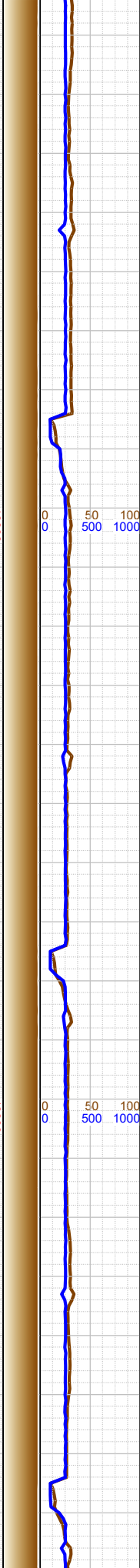
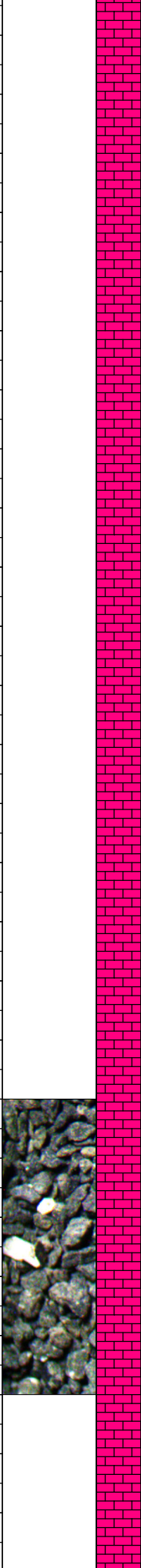
-21204 INC
90.03, AZM
89.39, TVD
7259.7

-21220 WT 9.9,
VIS 48

-21250 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr bent;



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-21562 INC 90.43, AZM 90.14, TVD 7258.92	
-21600 WT 9.9, VIS 53	
-21652 INC 90.52, AZM 89.84, TVD 7258.17	
-21700 WT 9.9, VIS 53	
-21742 INC 90.31, AZM 90.12, TVD 7257.52	



-21750 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr bent;

