

OPERATOR: **Extraction Oil & Gas**

WELL NAME: **CS Kinkade C6-1-13**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Patterson 341

API #: 05-123-42915

LAT/LONG: 40.43837, -104.72274

SURFACE HOLE: SWSE S36-T6N-R66W, 339' FSL, 1912' FEL

BOTTOM HOLE: S13-T5N-R66W, 2199' FNL, 1876' FEL

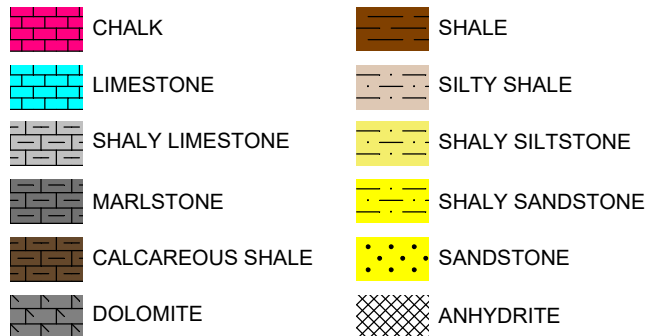


Earth Science Agency, LLC

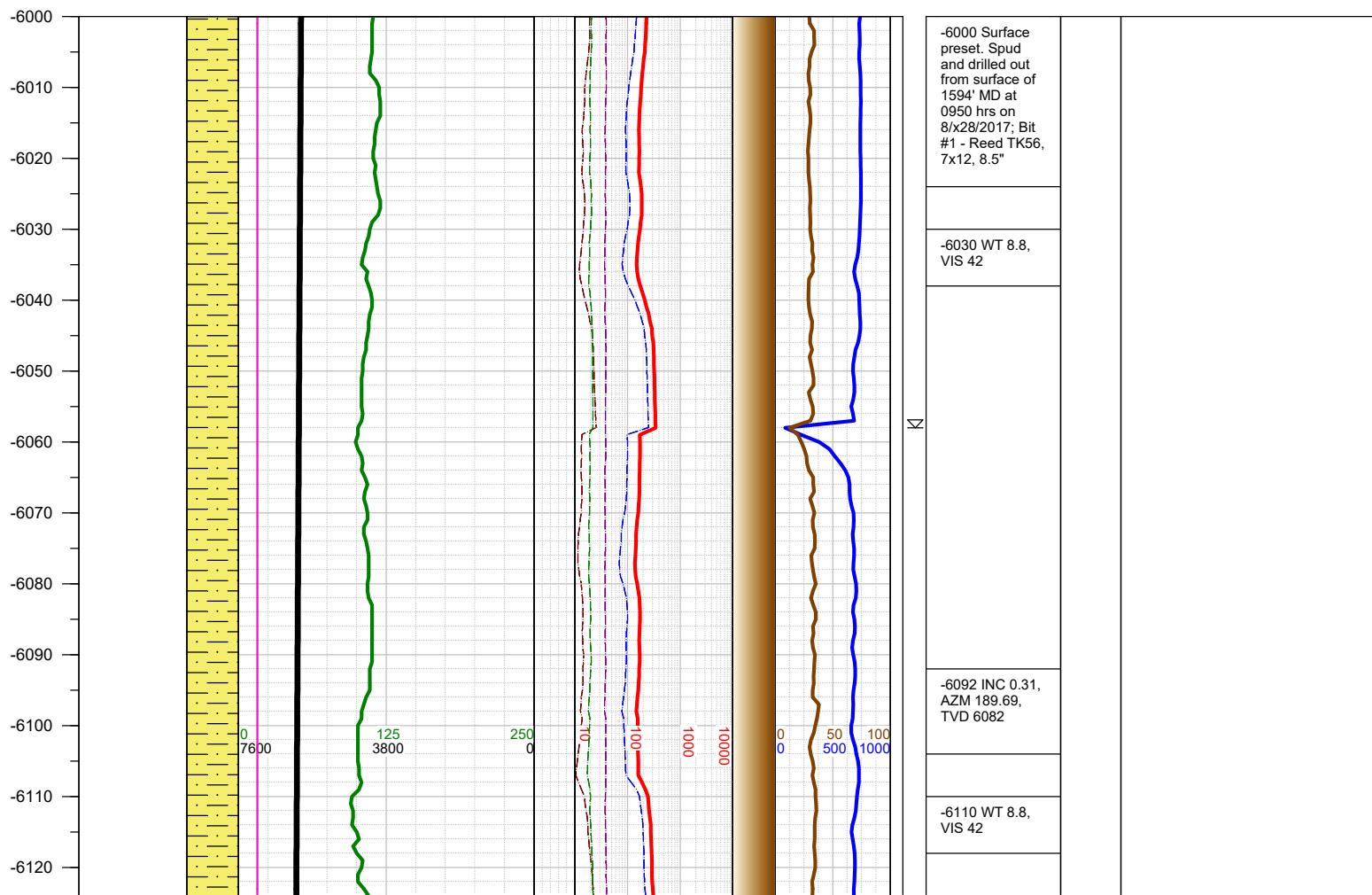
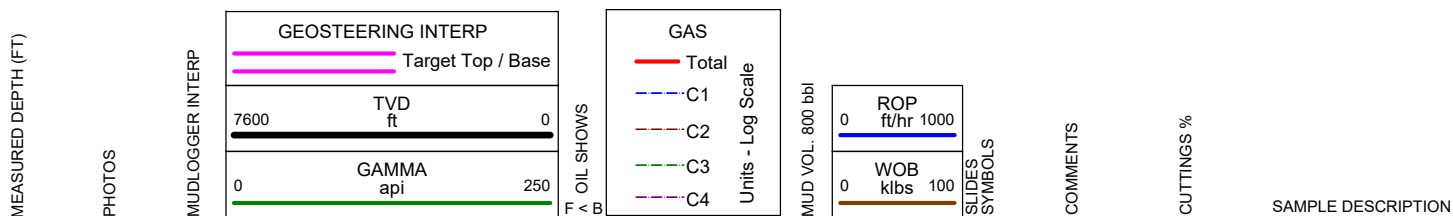
COUNTY: Weld
STATE: Colorado
GROUND ELEVATION: 4665'
KELLY BUSHING: 4690'
DRILLING FLUID: OBM
TVD VS. MD: 7088' / 20385'
SPUD DATE: August 28, 2017
TD DATE: September 5, 2017

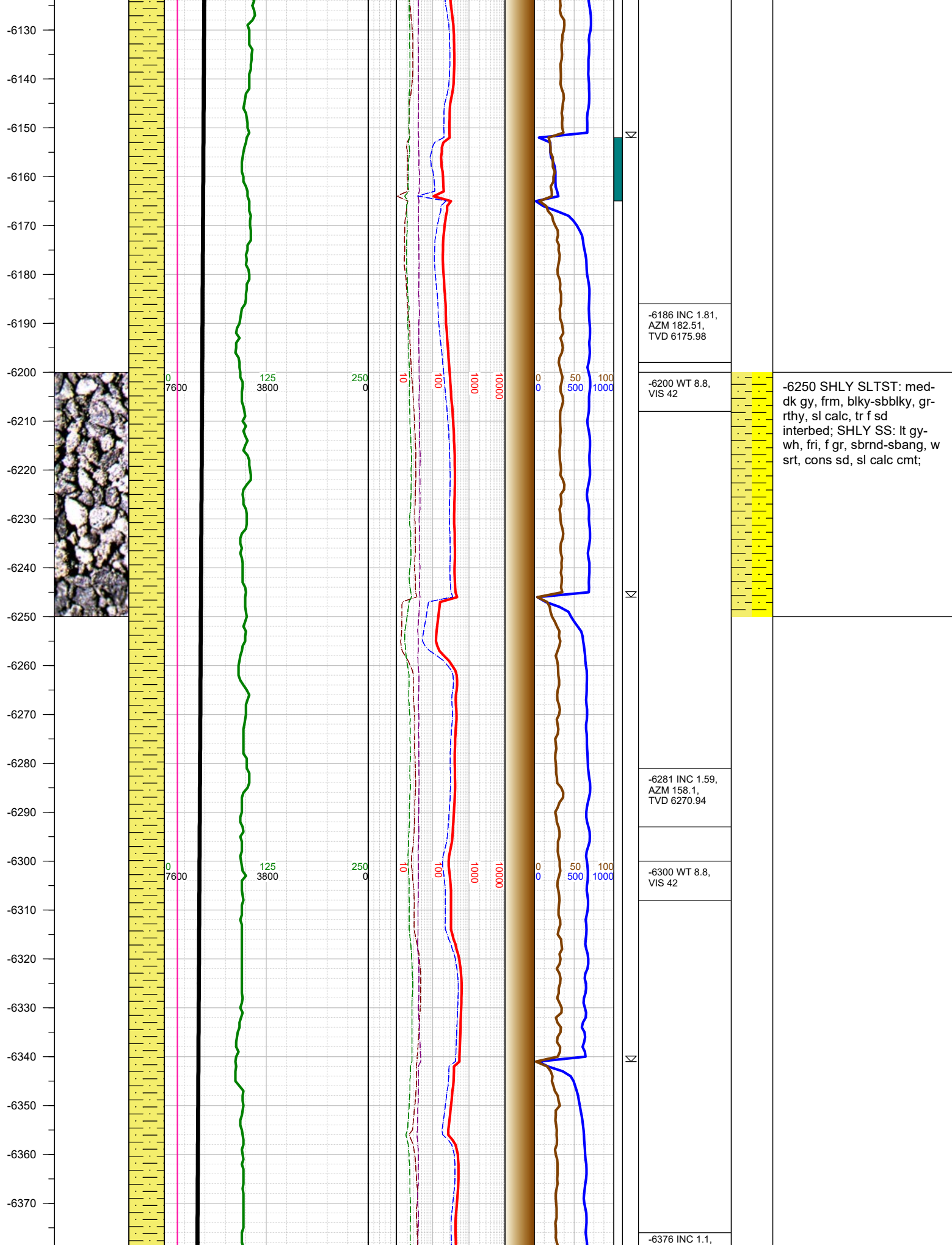
DEPTHS LOGGED: 6000' - 20385'
DATES LOGGED: August 28, 2017 - September 5, 2017
GEOLOGISTS: Blake Eatherton, Joe Coon
SCALE: 5" = 100'

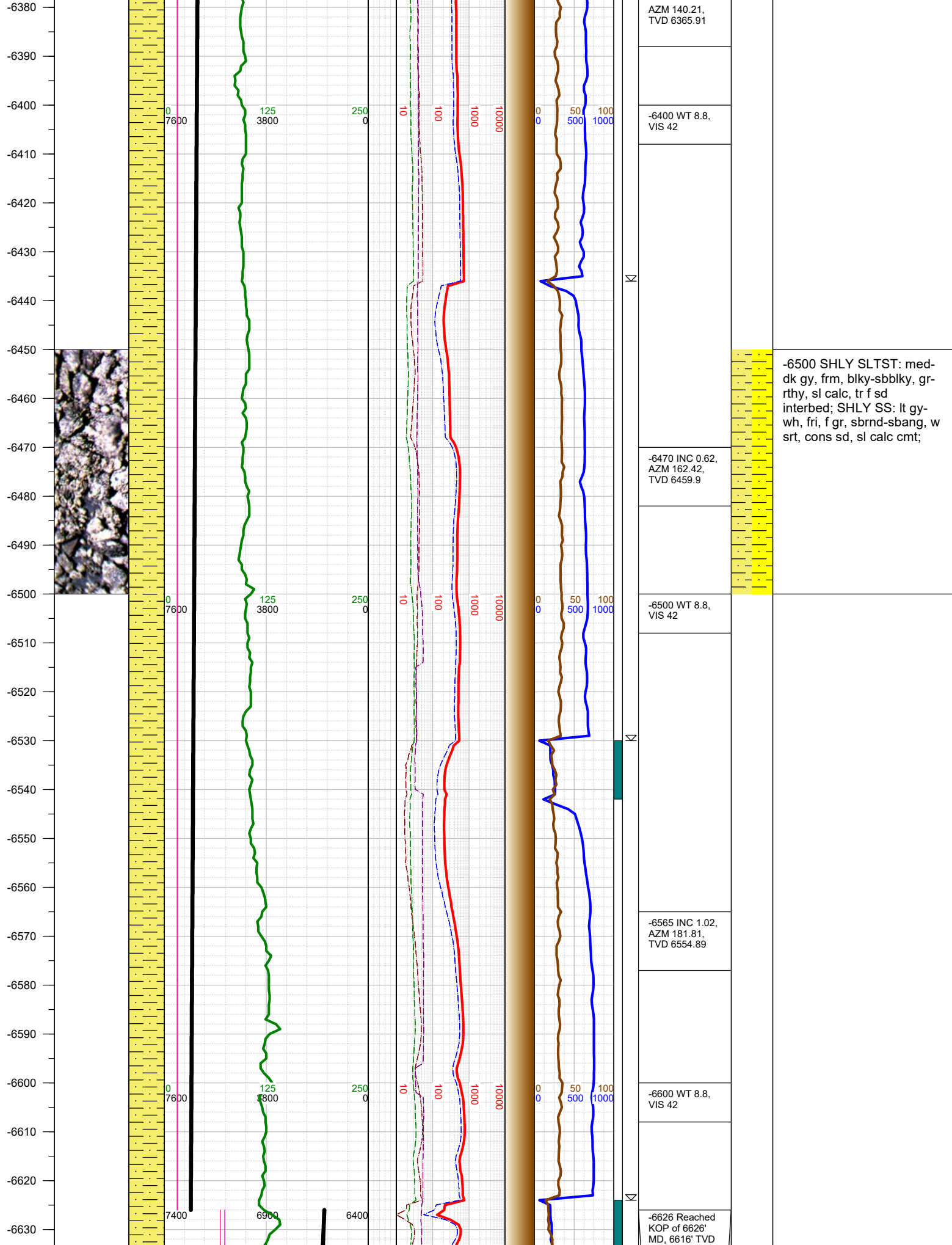
LEGEND

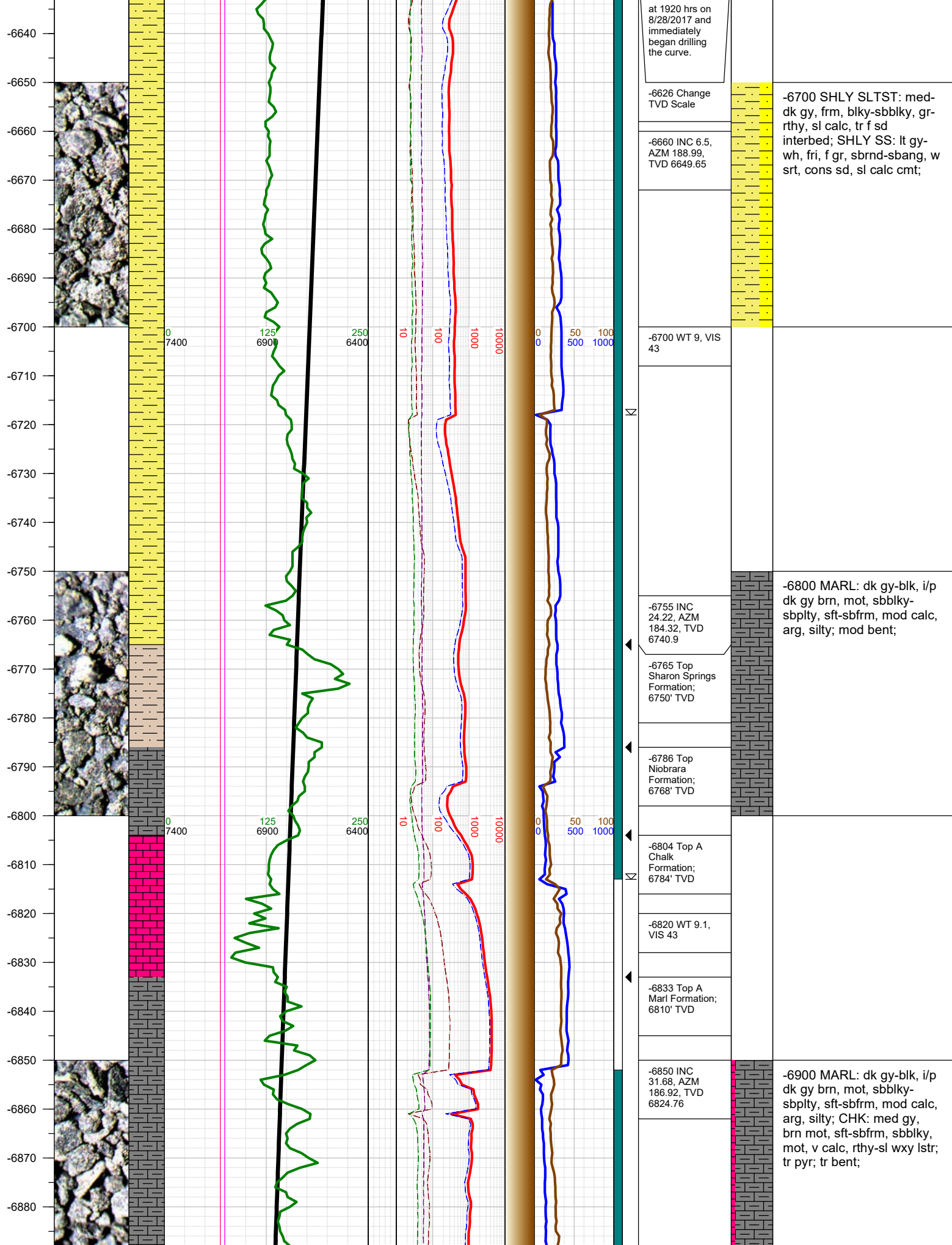


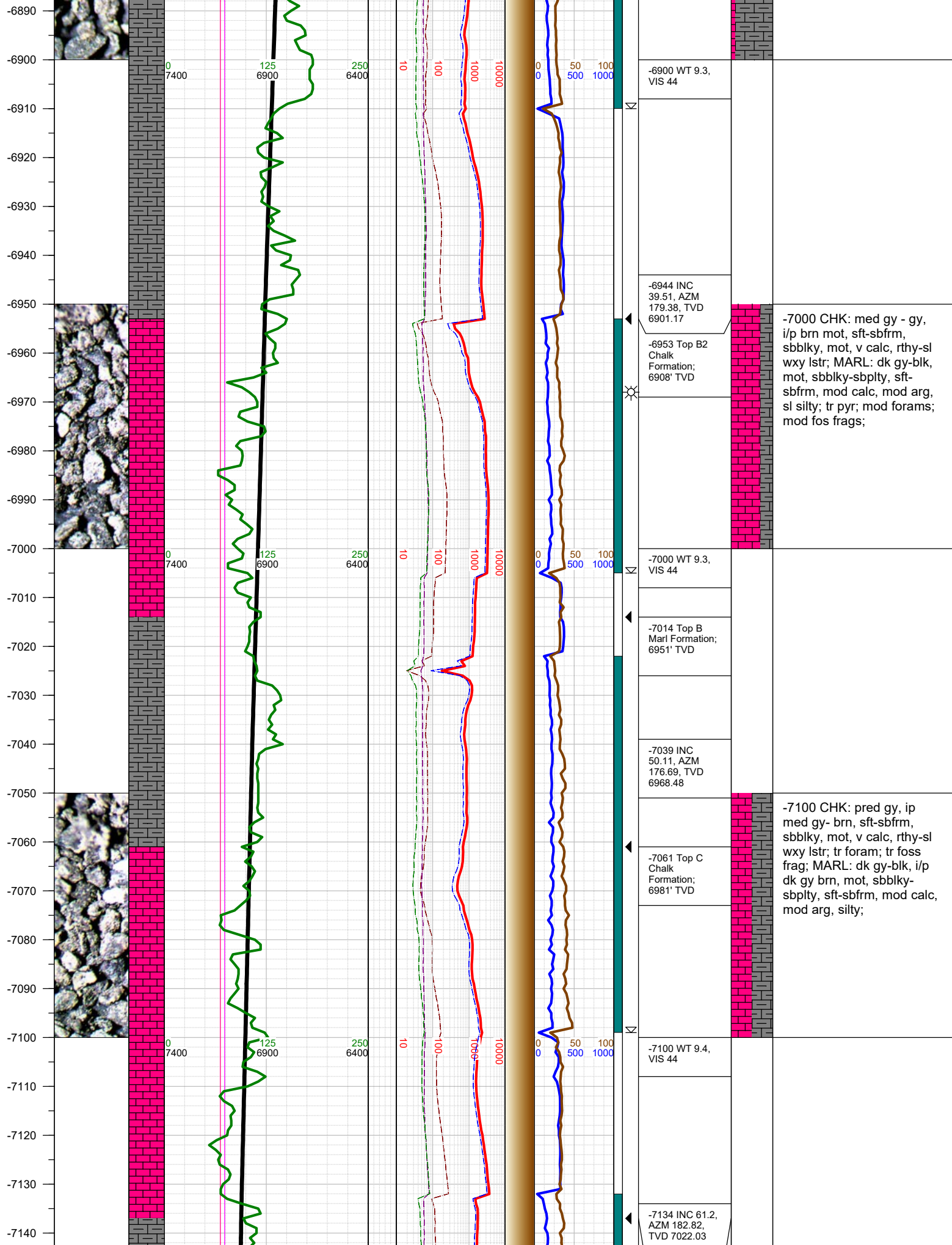
FORMATION CONNECTION MIDNIGHT NEW BIT GAS SHOW FAULT

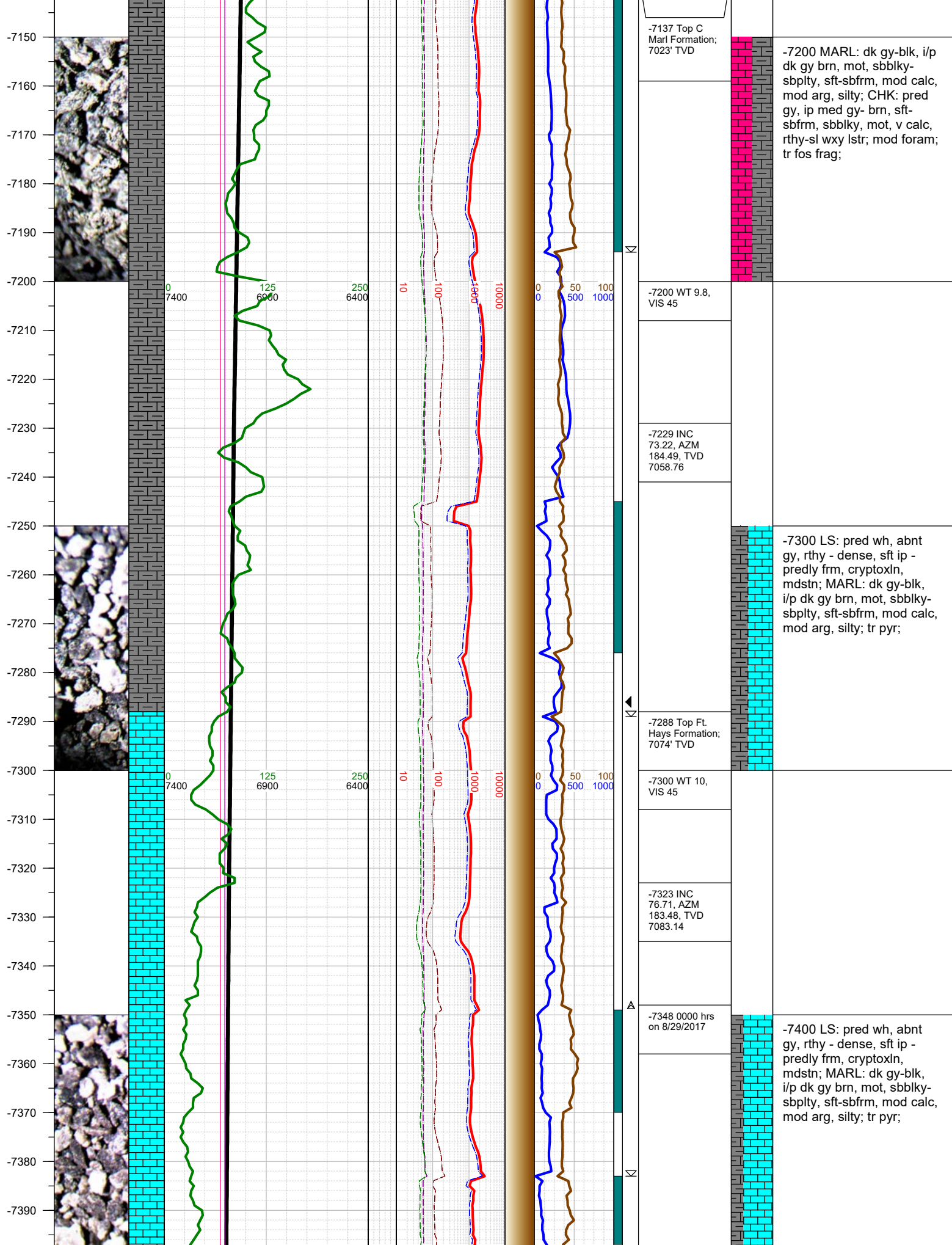


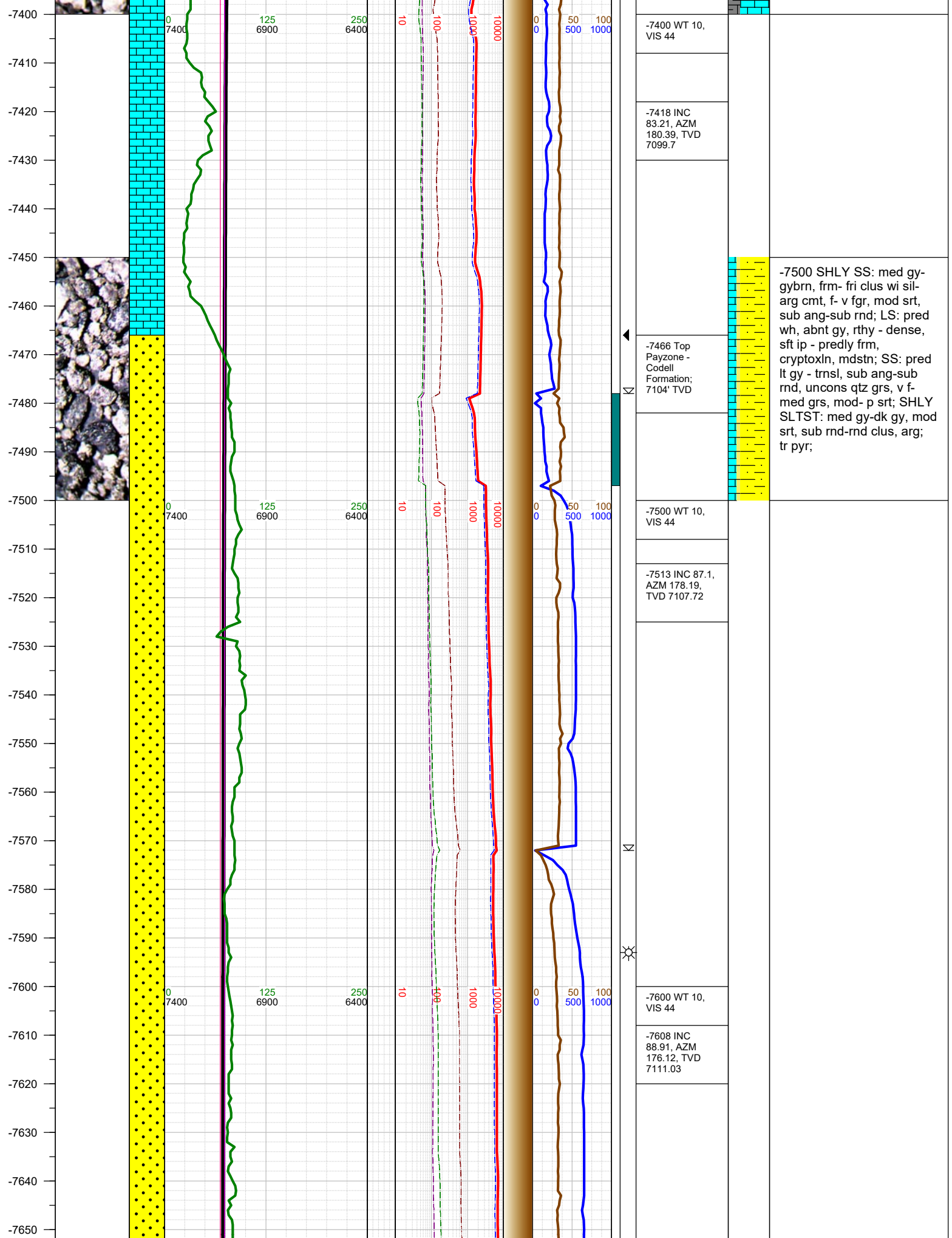


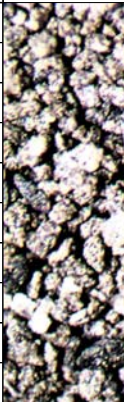
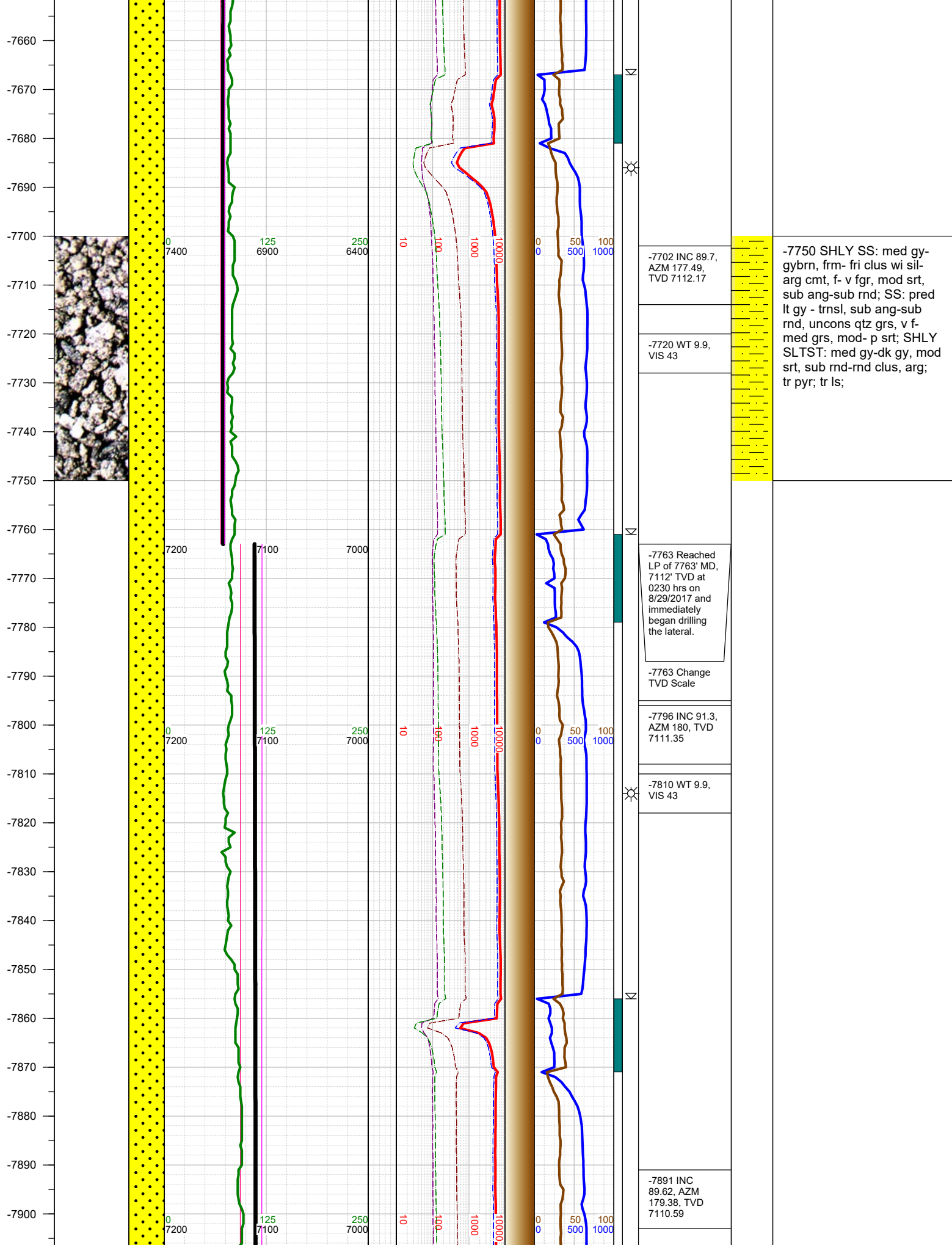












-7750 SHLY SS: med gy-gybrn, frm- fri clus wi sil-arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SS: pred lt gy - trnsl, sub ang-sub rnd, unconsl qtz grs, v f-med grs, mod- p srt; SHLY SLTST: med gy-dk gy, mod srt, sub rnd-rnd clus, arg; tr pyr; tr ls;

-7702 INC 89.7, AZM 177.49, TVD 7112.17

-7720 WT 9.9, VIS 43

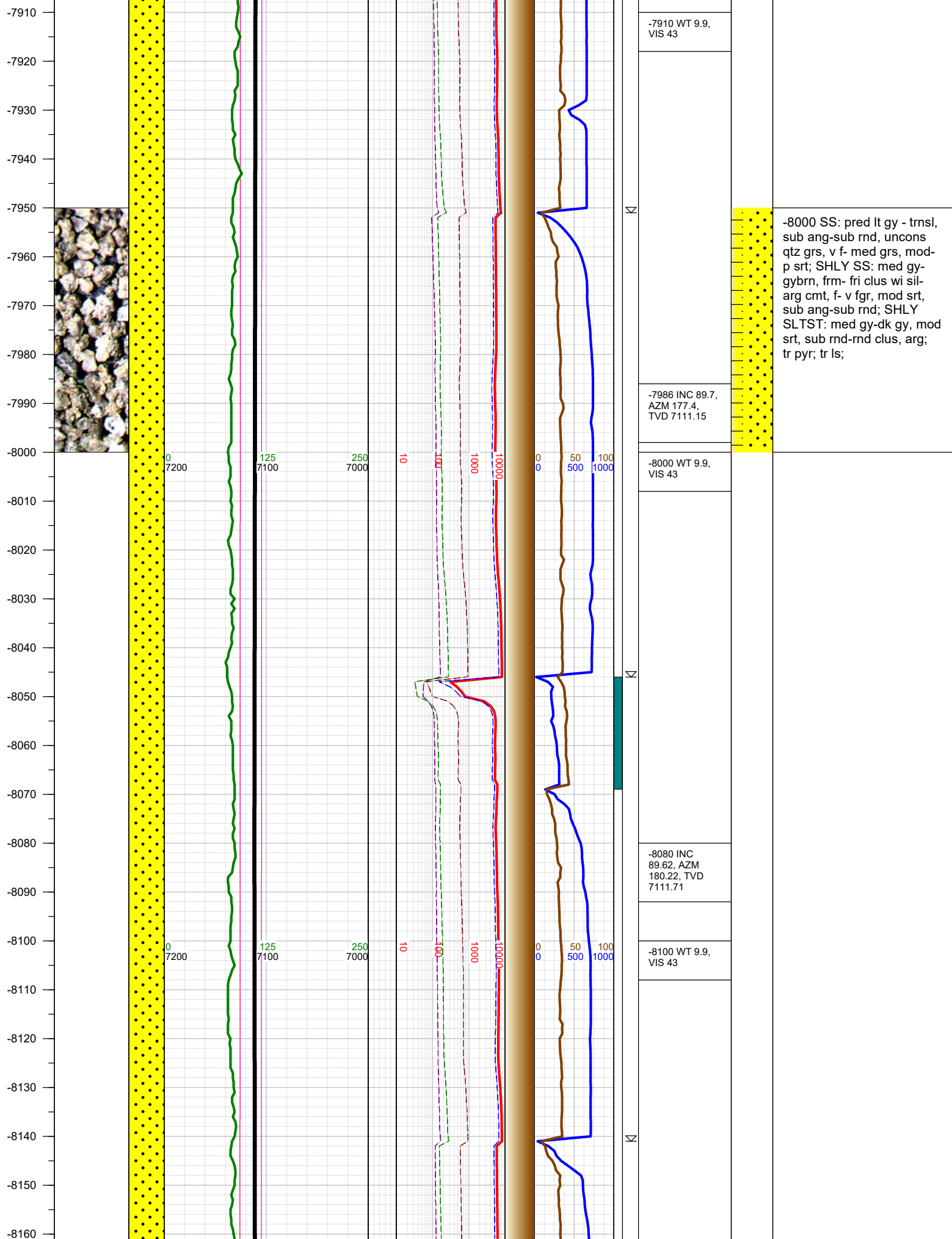
-7763 Reached LP of 7763' MD, 7112' TVD at 0230 hrs on 8/29/2017 and immediately began drilling the lateral.

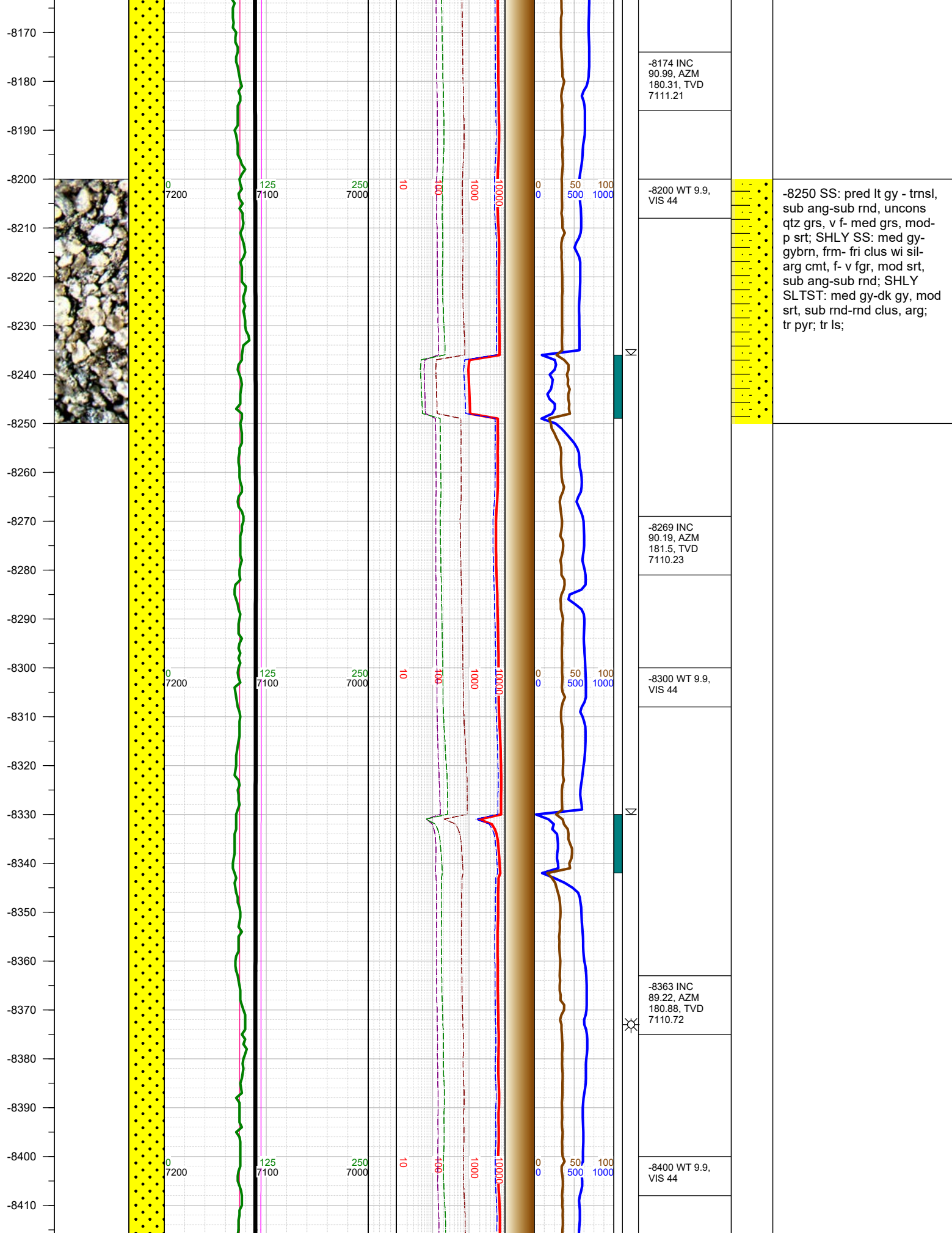
-7763 Change TVD Scale

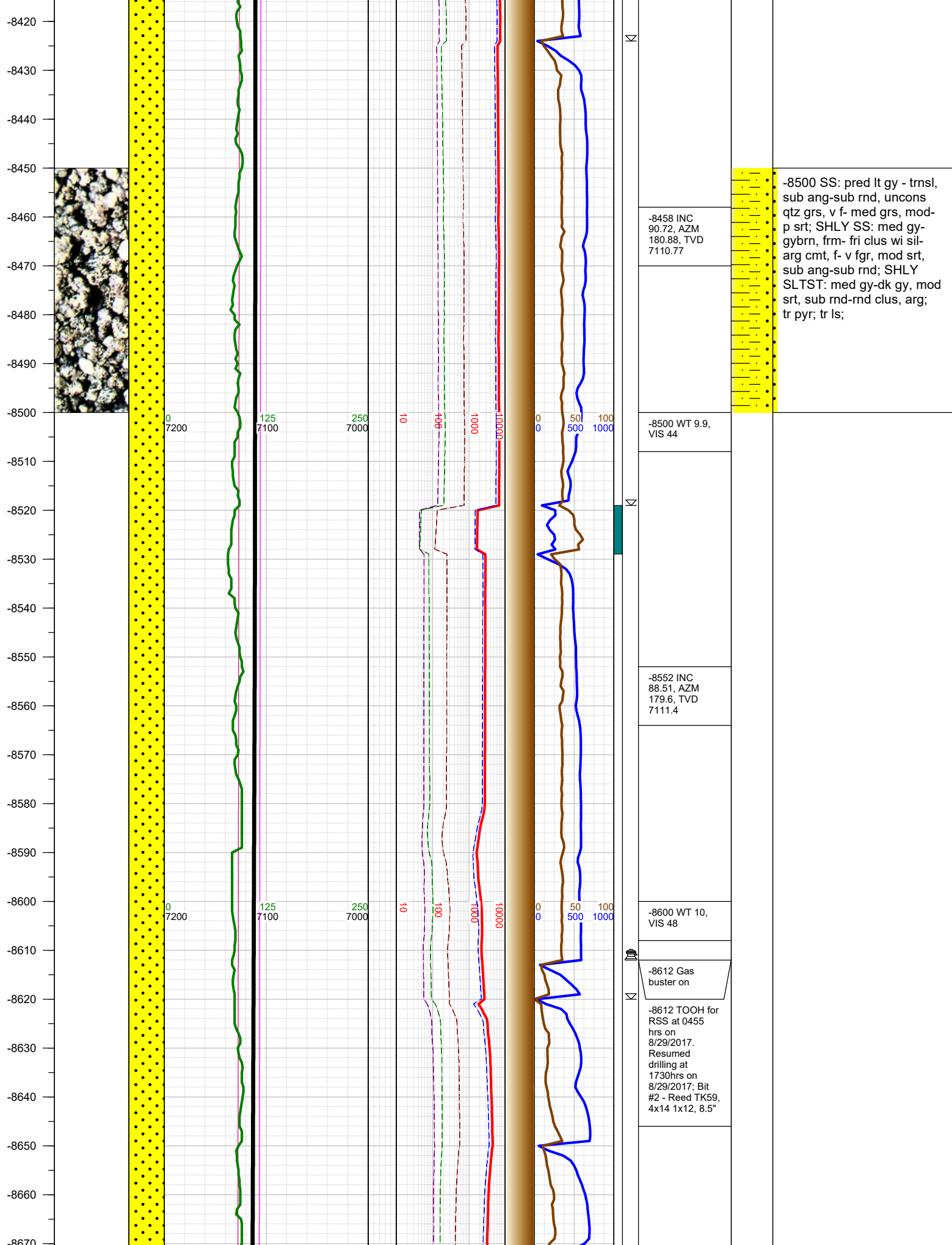
-7796 INC 91.3, AZM 180, TVD 7111.35

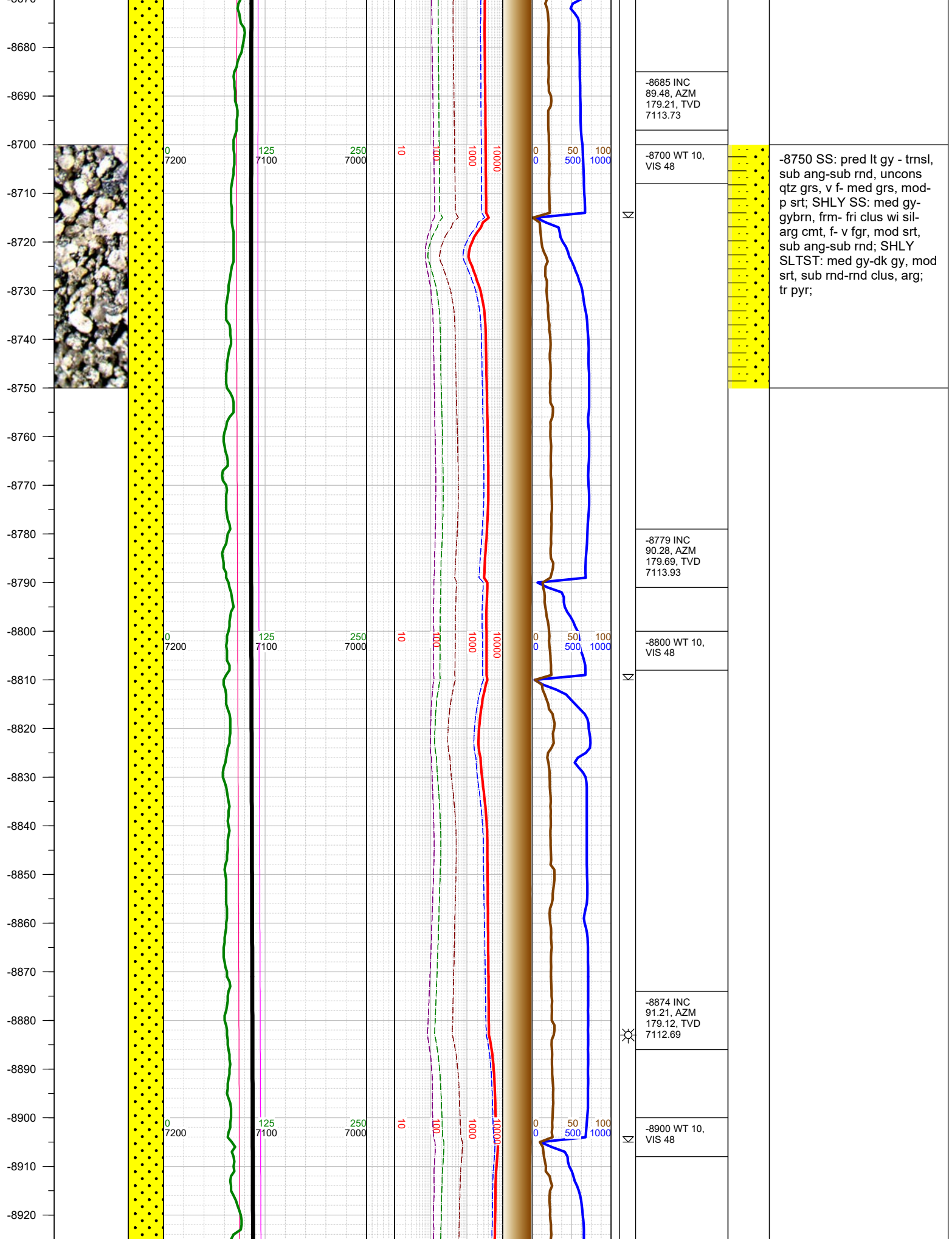
-7810 WT 9.9, VIS 43

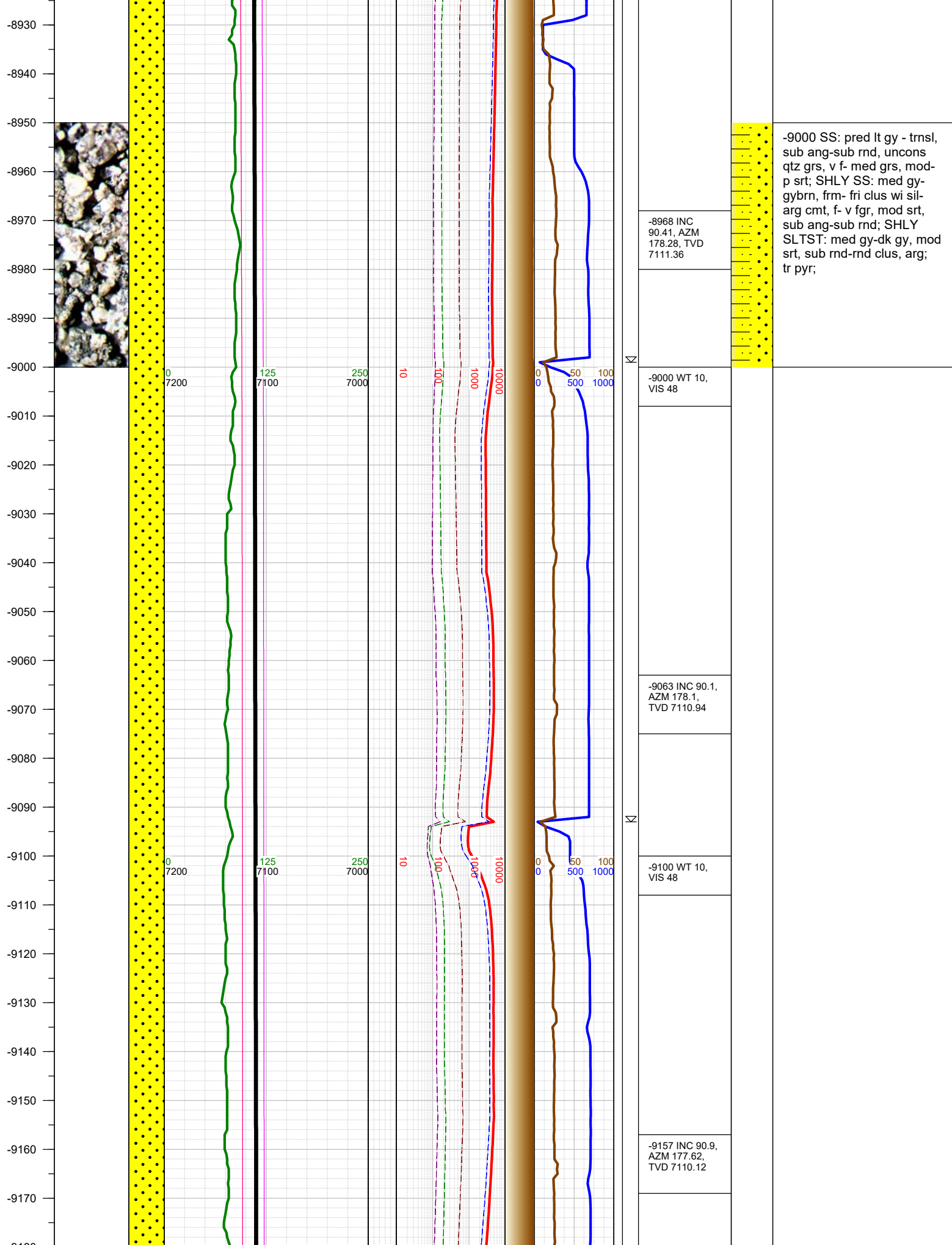
-7891 INC 89.62, AZM 179.38, TVD 7110.59

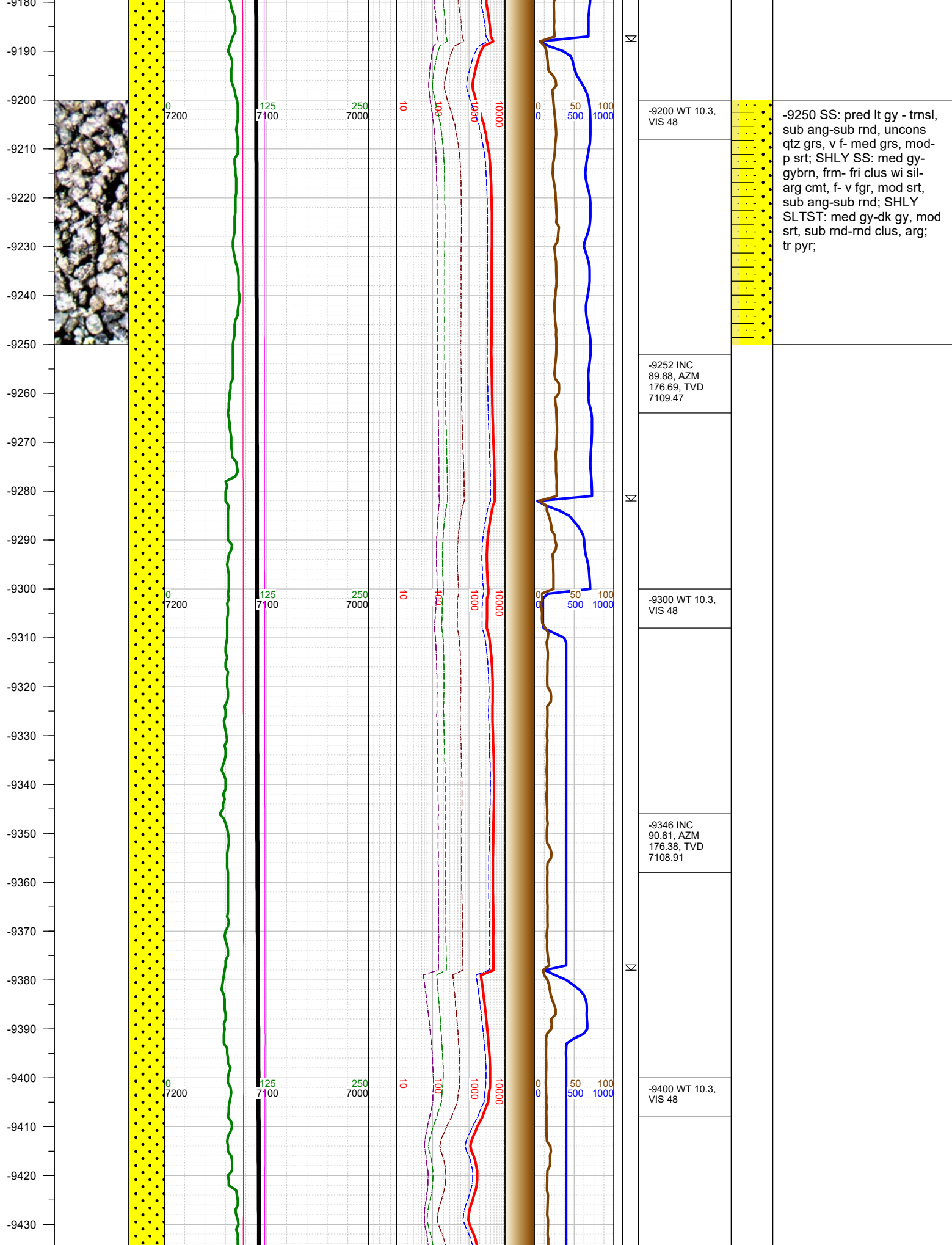


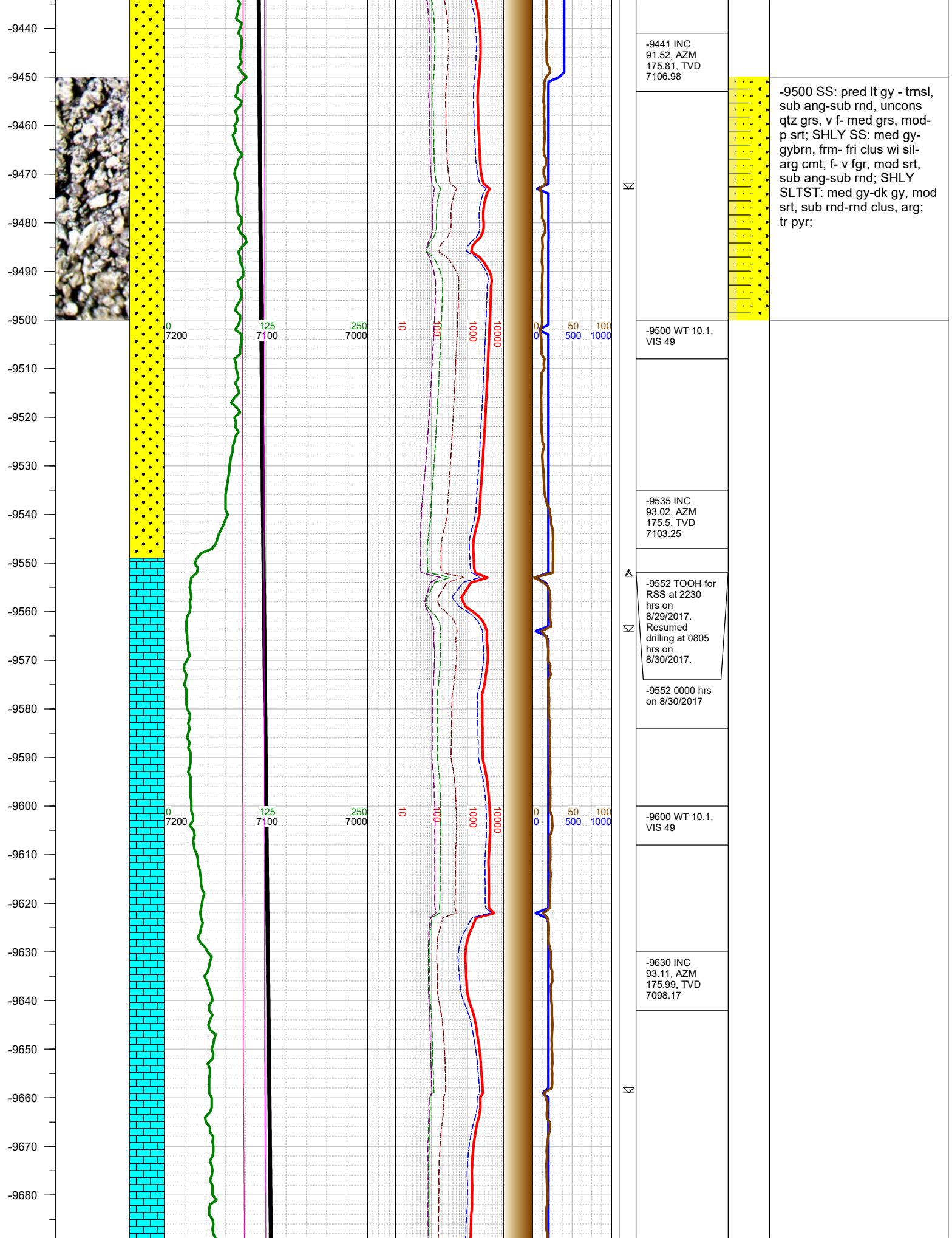


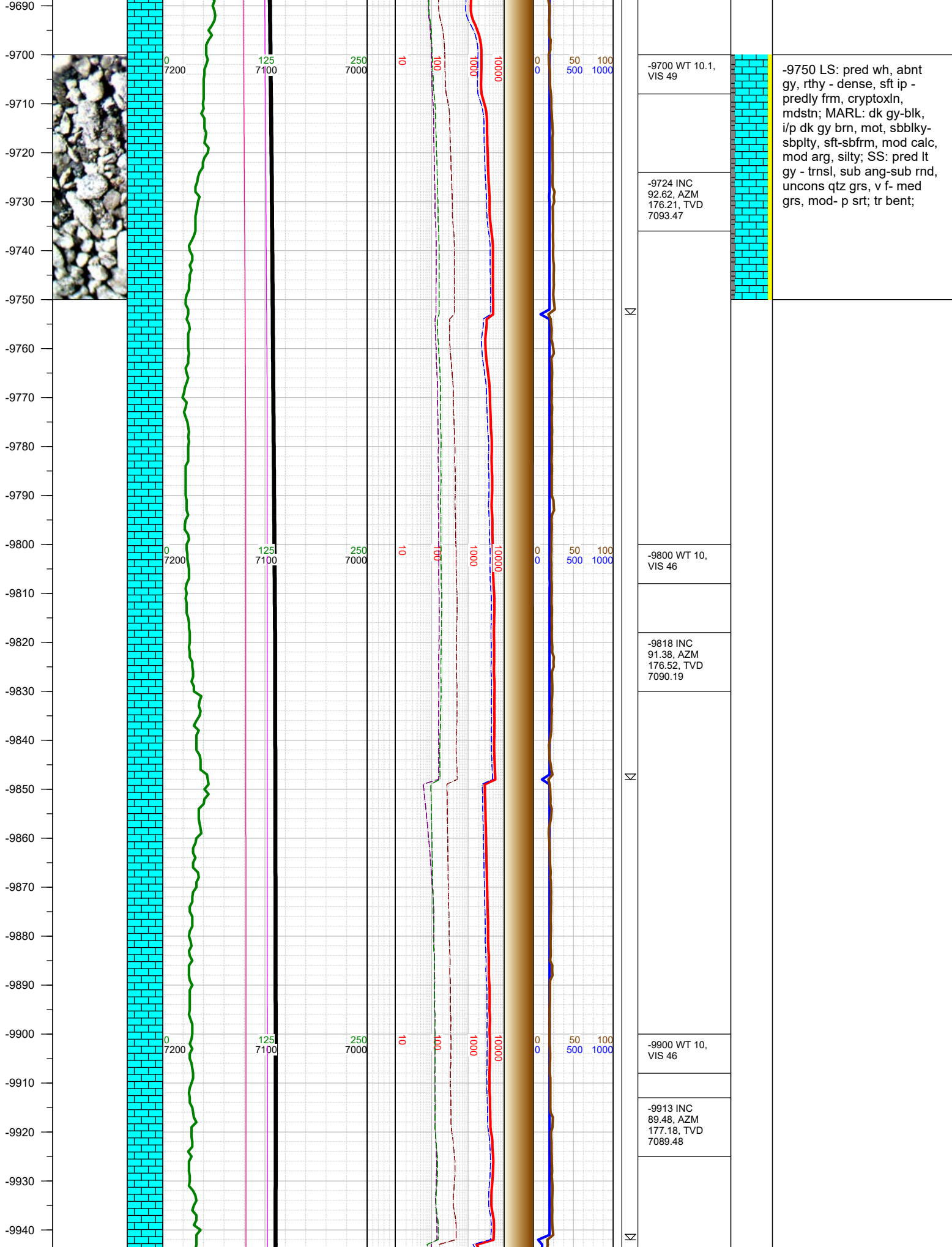


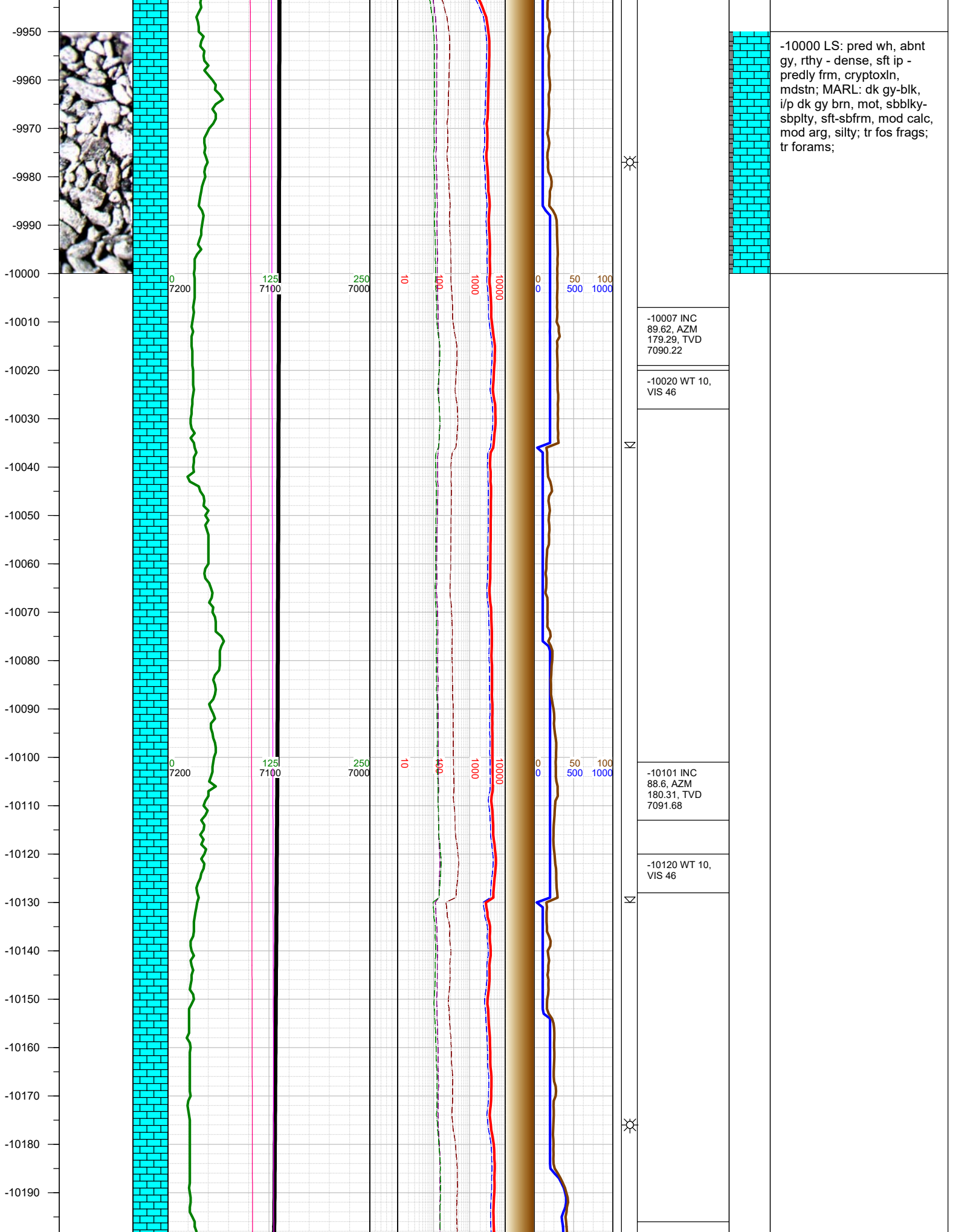


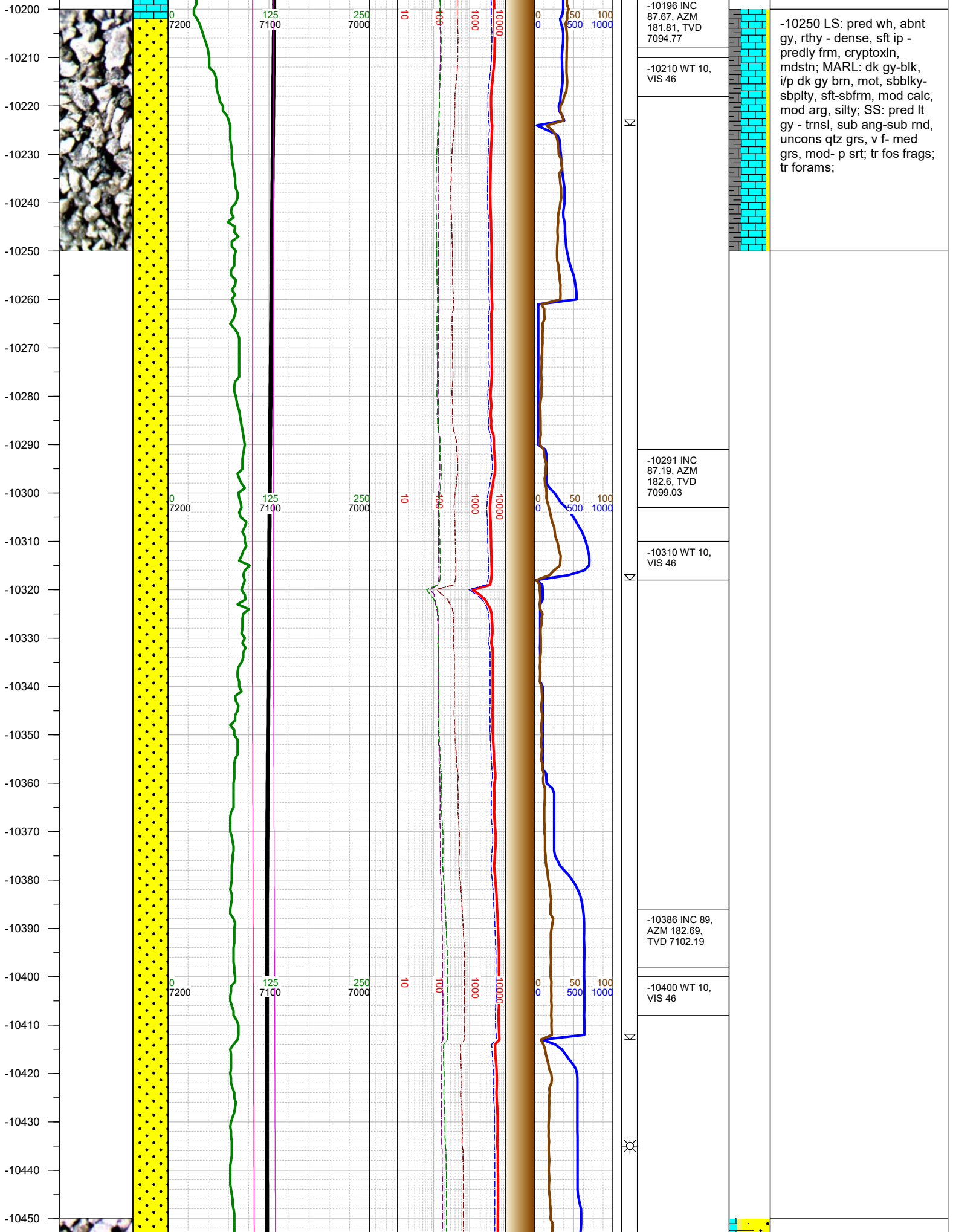


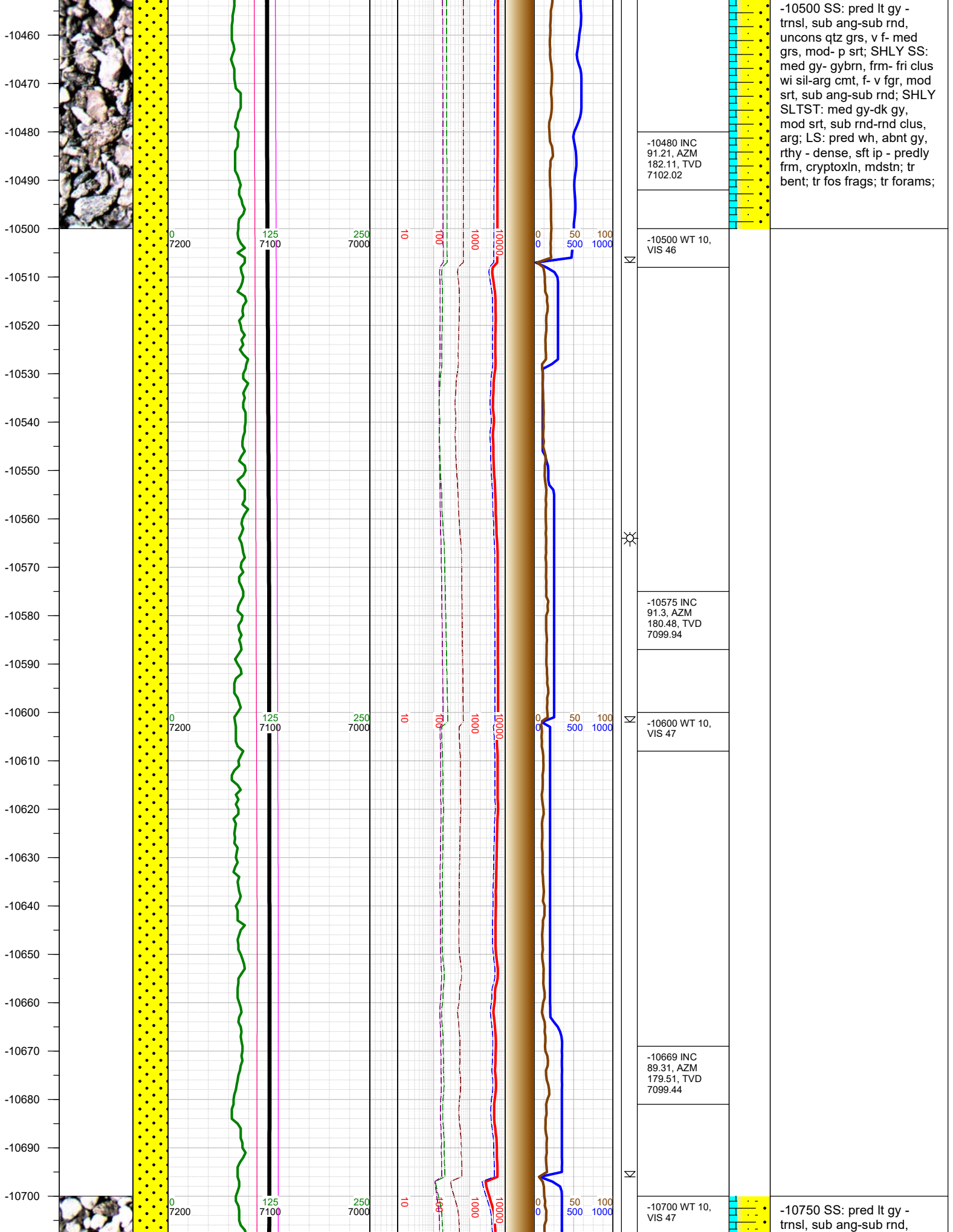












-10480 INC
91.21, AZM
182.11, TVD
7102.02

-10500 WT 10,
VIS 46

-10575 INC
91.3, AZM
180.48, TVD
7099.94

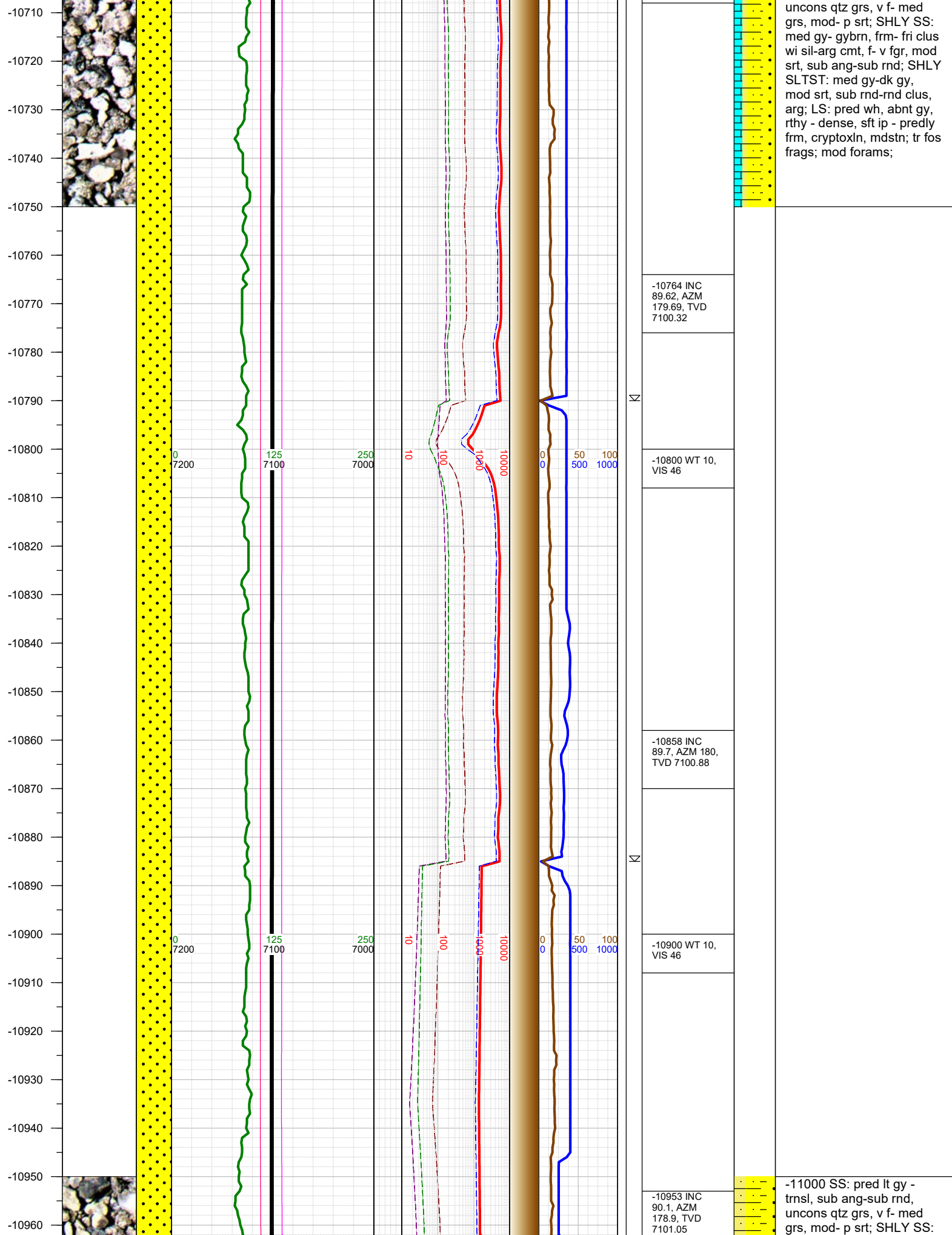
-10600 WT 10,
VIS 47

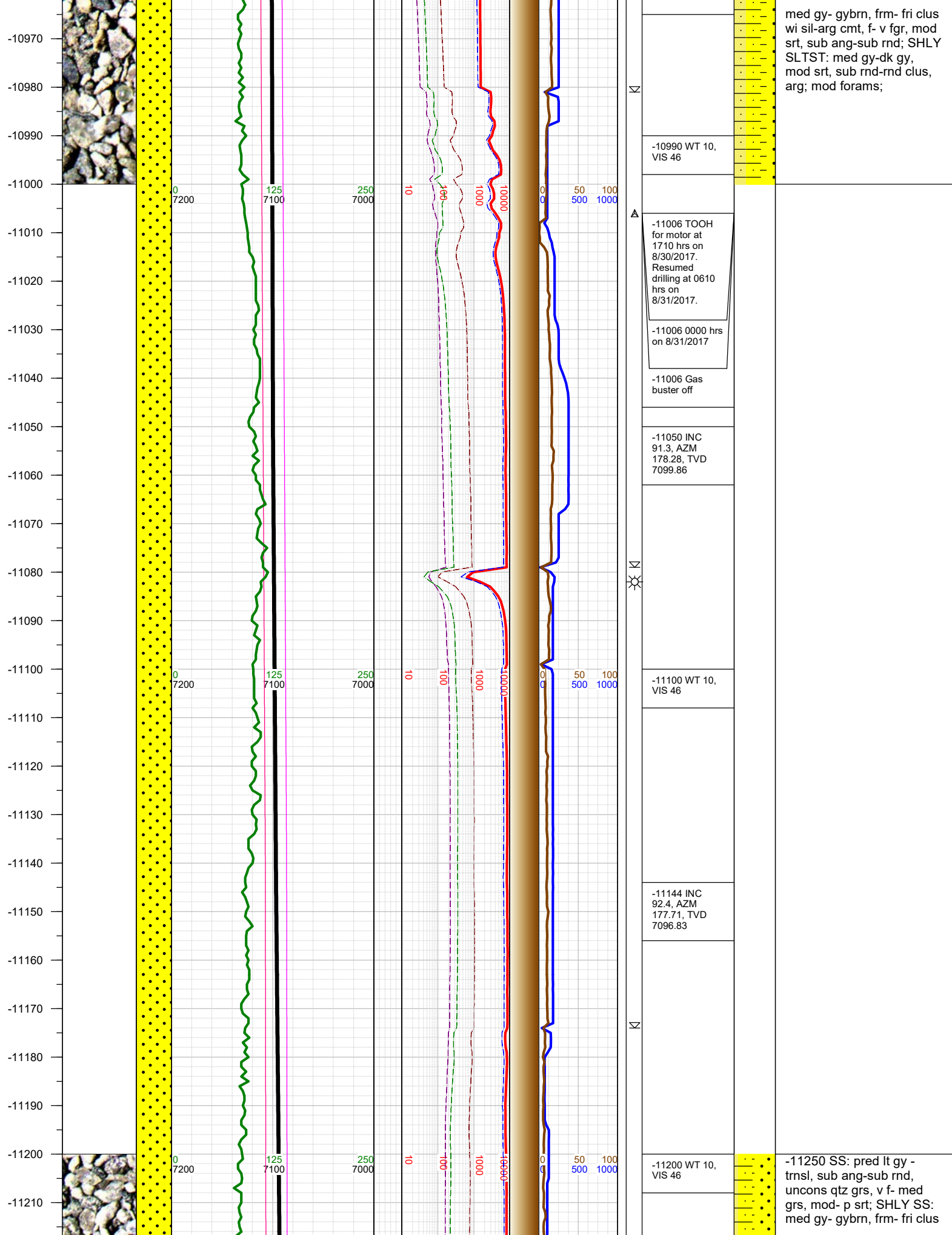
-10669 INC
89.31, AZM
179.51, TVD
7099.44

-10700 WT 10,
VIS 47

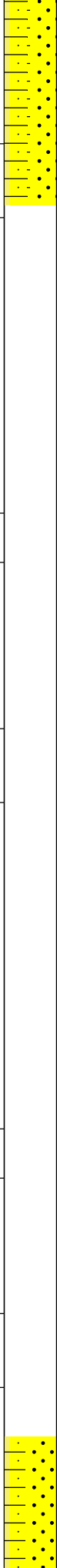
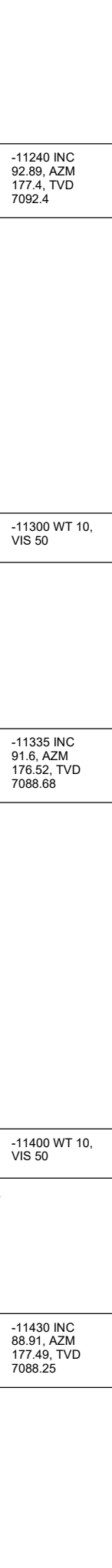
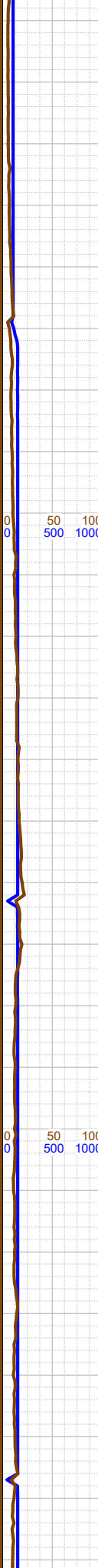
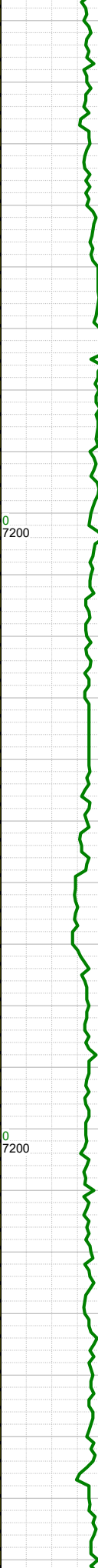
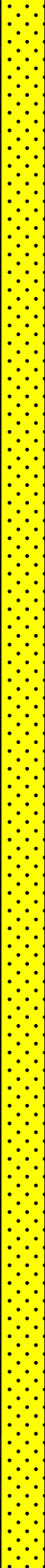
-10500 SS: pred lt gy -
trnsl, sub ang-sub rnd,
uncons qtz grs, v f- med
grs, mod- p srt; SHLY SS:
med gy- gybrn, frm- fri clus
wi sil-arg cmt, f- v fgr, mod
srt, sub ang-sub rnd; SHLY
SLTST: med gy-dk gy,
mod srt, sub rnd-rnd clus,
arg; LS: pred wh, abnt gy,
rthy - dense, sft ip - predly
frm, cryptoxln, mdstn; tr
bent; tr fos frags; tr forams;

-10750 SS: pred lt gy -
trnsl, sub ang-sub rnd,





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-11470



wi sil-arg cmt, f- v fgr, mod
srt, sub ang-sub rnd; SHLY
SLTST: med gy-dk gy,
mod srt, sub rnd-rnd clus,
arg; tr fos frags; tr forams;

-11240 INC
92.89, AZM
177.4, TVD
7092.4

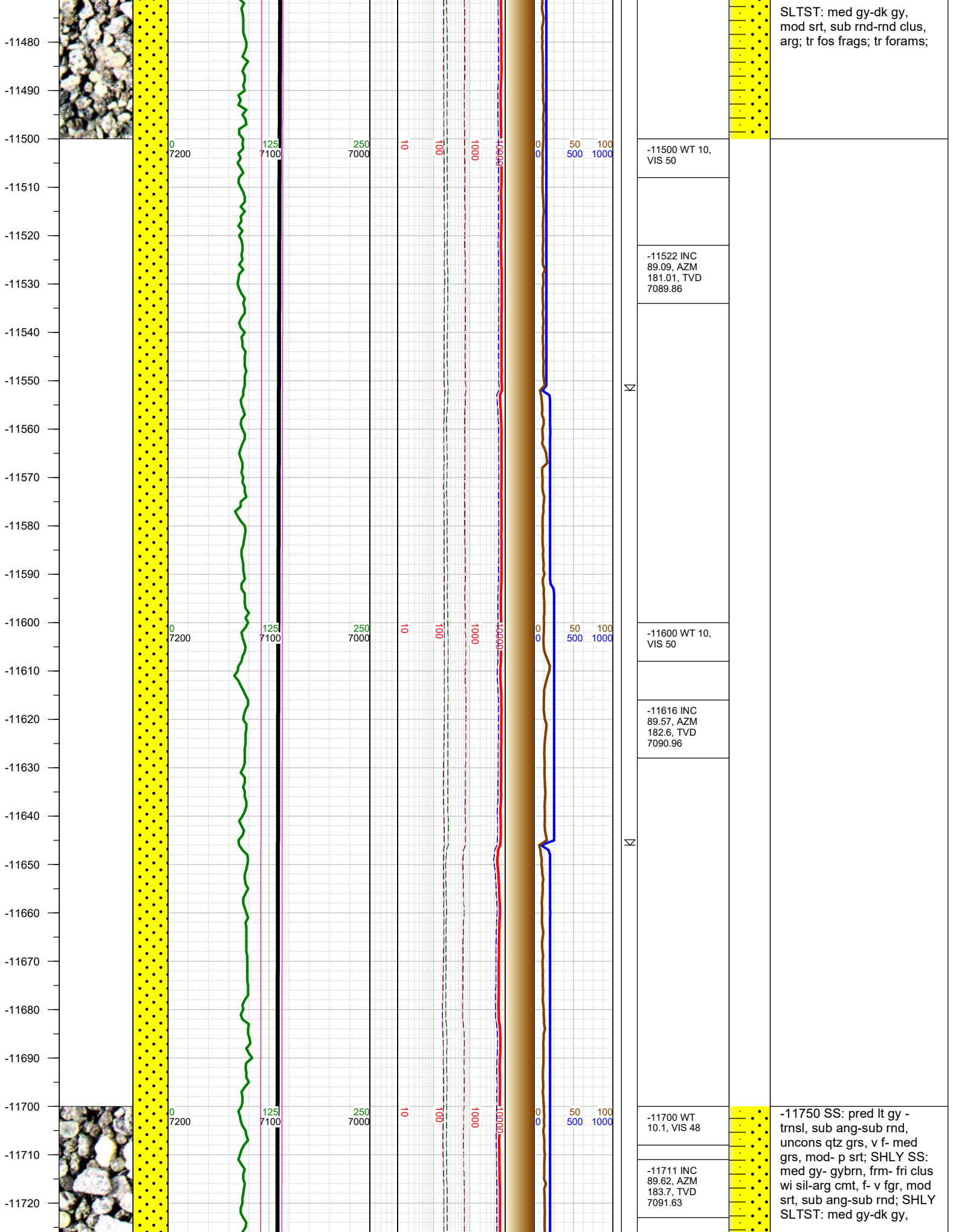
-11300 WT 10,
VIS 50

-11335 INC
91.6, AZM
176.52, TVD
7088.68

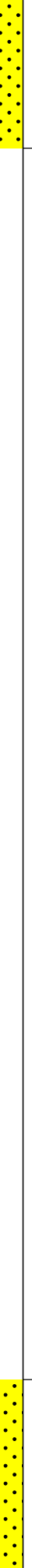
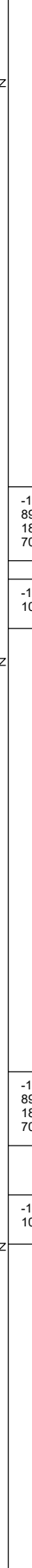
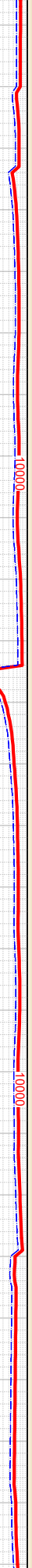
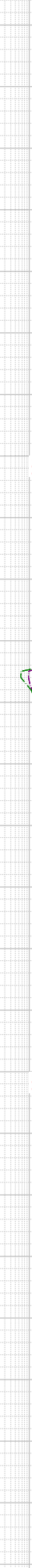
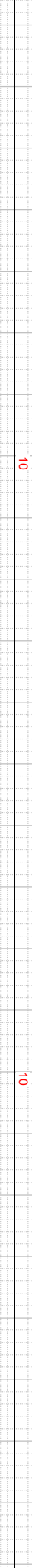
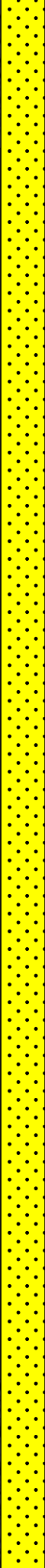
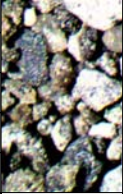
-11400 WT 10,
VIS 50

-11430 INC
88.91, AZM
177.49, TVD
7088.25

-11500 SS: pred lt gy -
trnsl, sub ang-sub rnd,
uncons qtz grs, v f- med
grs, mod- p srt; SHLY SS:
med gy- gybrn, frm- fri clus
wi sil-arg cmt, f- v fgr, mod
srt, sub ang-sub rnd; SHLY



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-11980



-11805 INC
89.79, AZM
183.22, TVD
7092.11

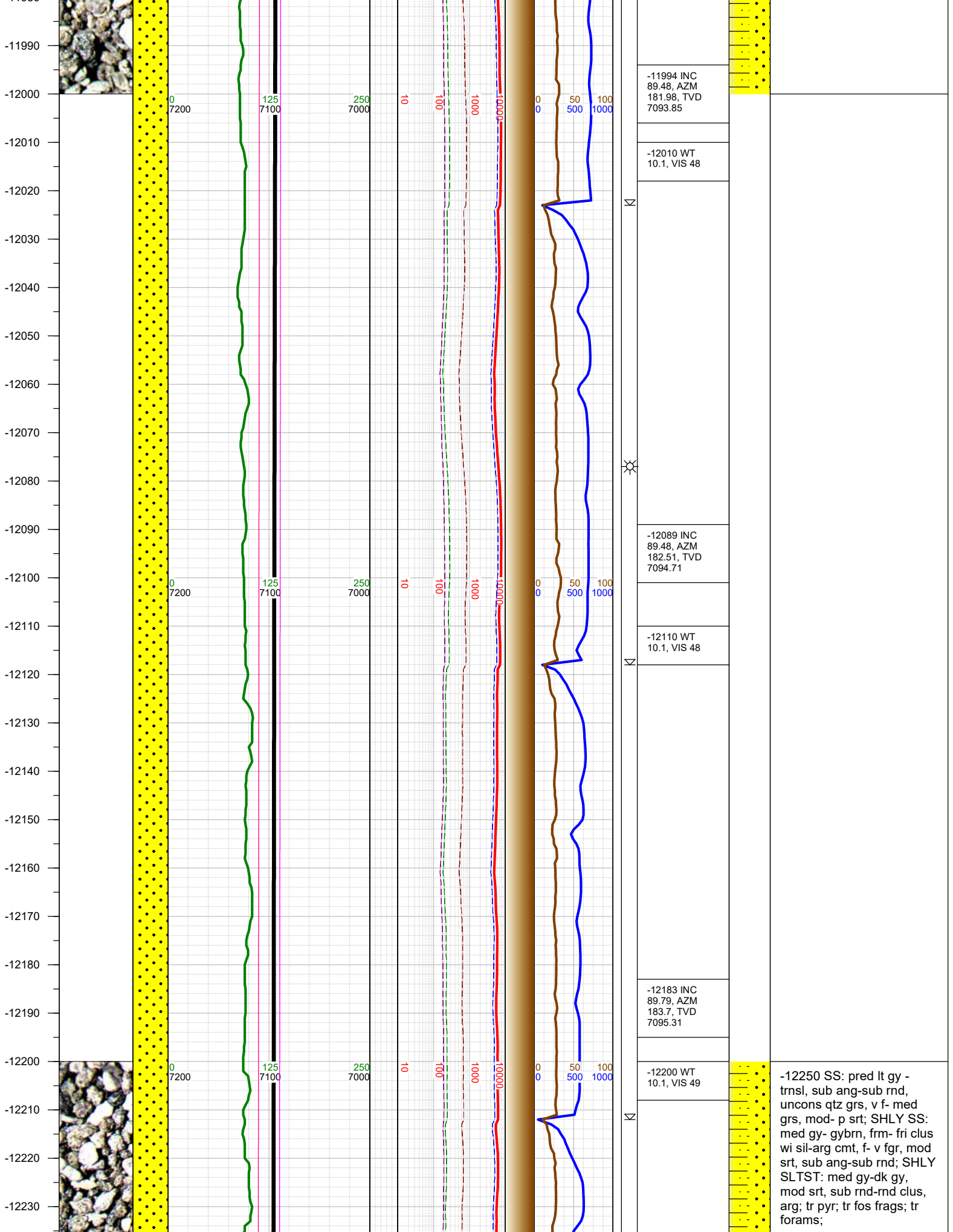
-11820 WT
10.1, VIS 48

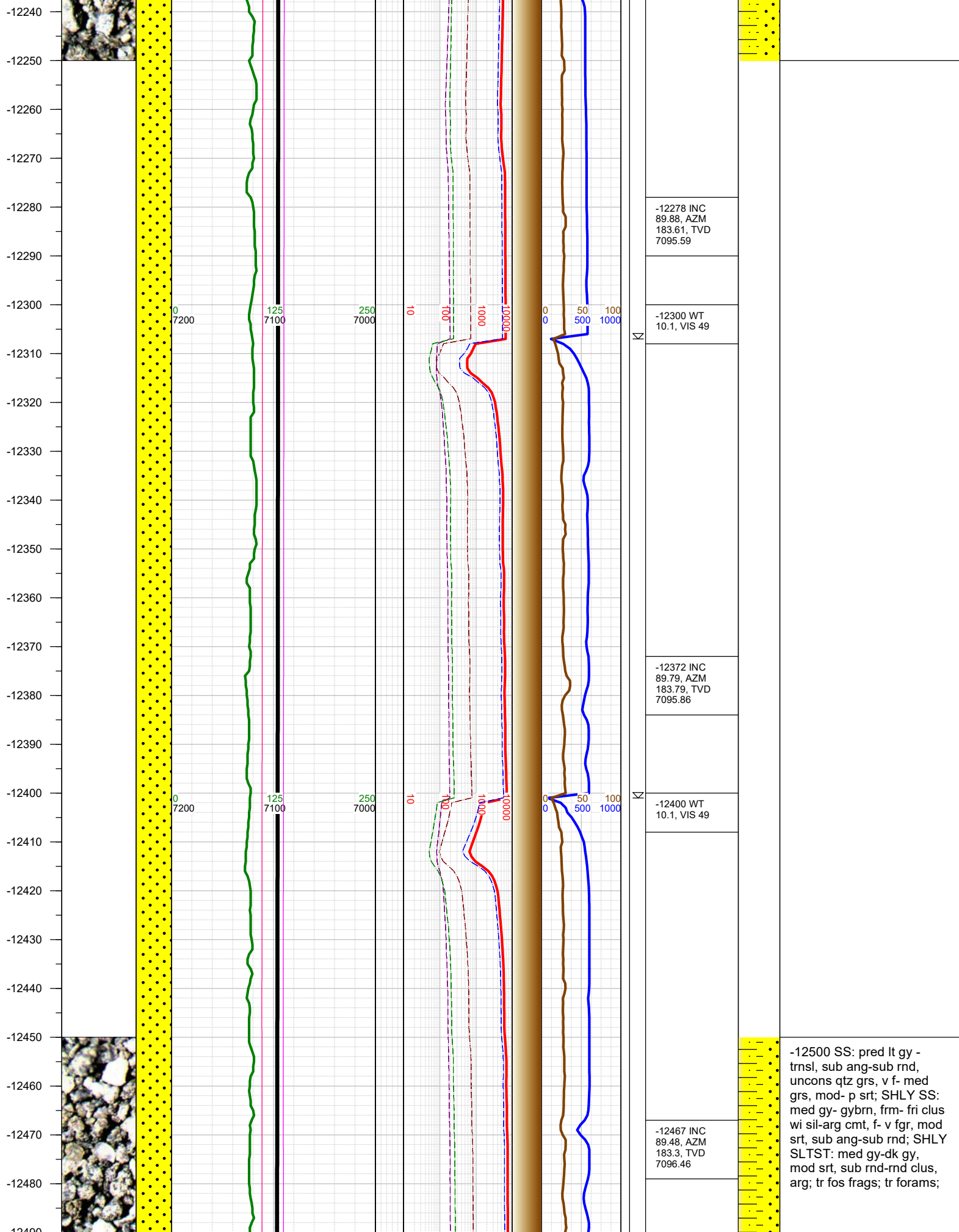
-11900 INC
89.31, AZM
182.25, TVD
7092.86

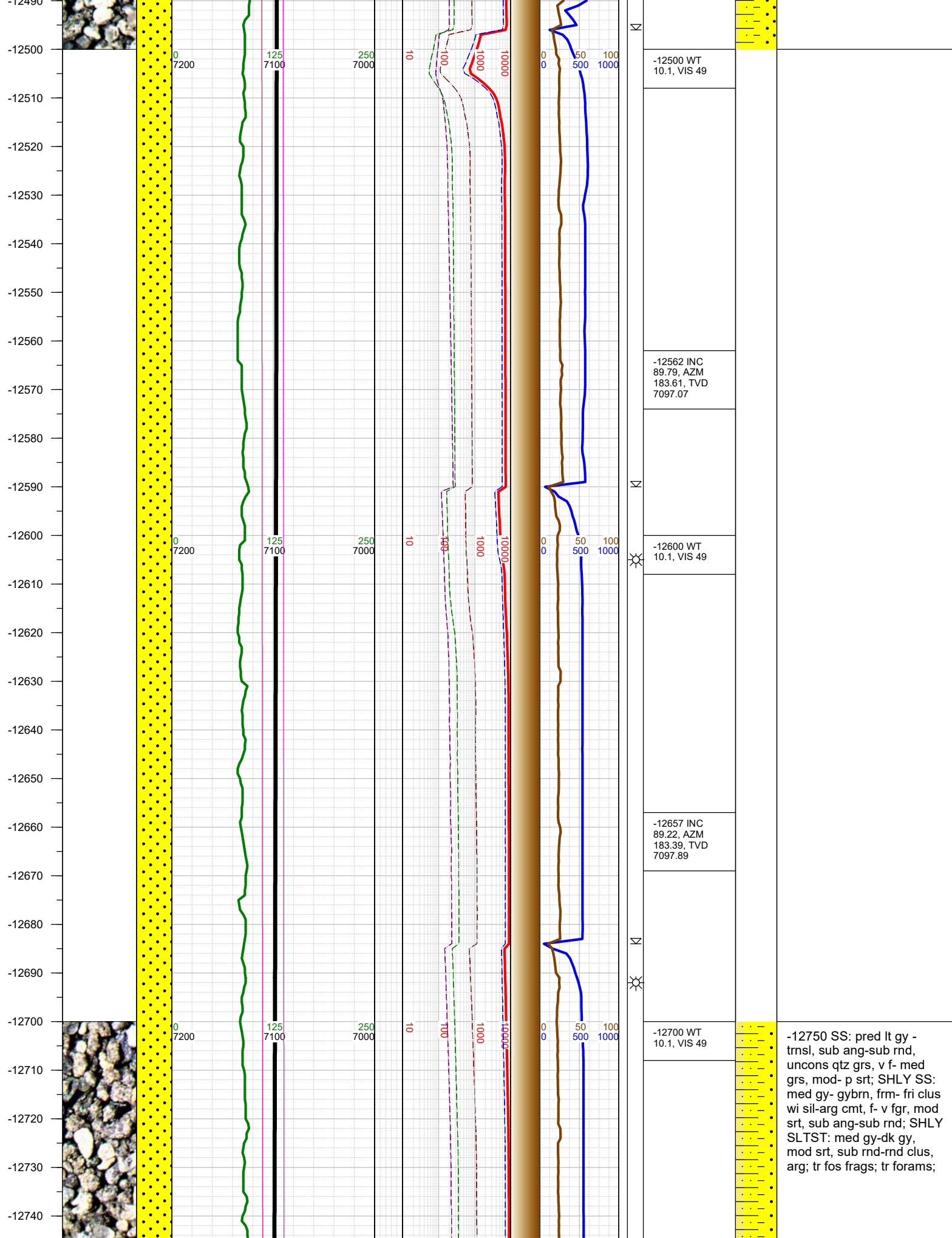
-11920 WT
10.1, VIS 48

mod srt, sub rnd-rnd clus,
arg; tr fos frags; tr forams;

-12000 SS: pred lt gy -
trns, sub ang-sub rnd,
uncons qtz grs, v f- med
grs, mod- p srt; SHLY SS:
med gy- gybrn, frm- fri clus
wi sil-arg cmt, f- v fgr, mod
srt, sub ang-sub rnd; SHLY
SLTST: med gy-dk gy,
mod srt, sub rnd-rnd clus,
arg; tr fos frags; tr ls;







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-12752 INC
89.48, AZM
183.39, TVD
7098.97

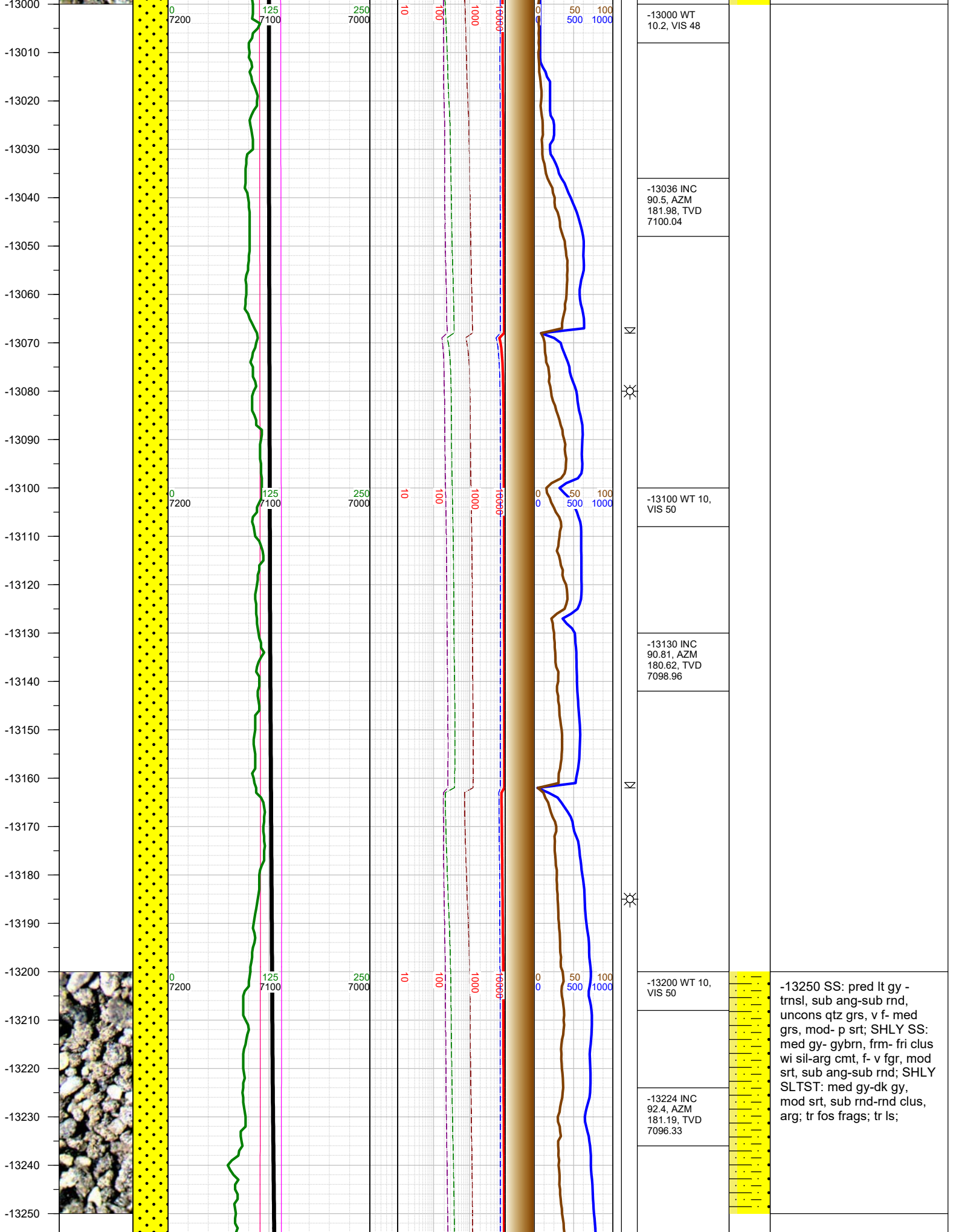
-12800 WT
10.1, VIS 49

-12847 INC
89.88, AZM
183.08, TVD
7099.5

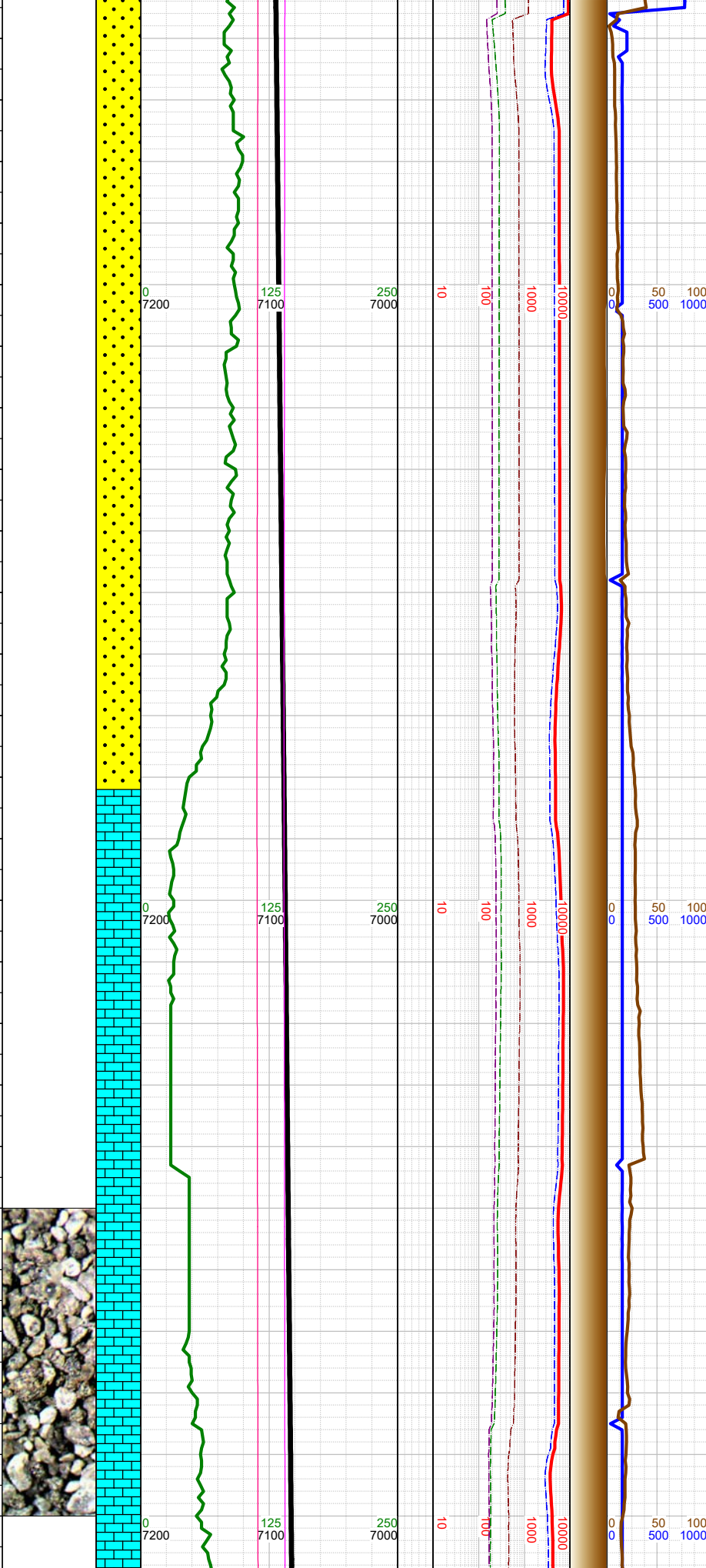
-12900 WT
10.3, VIS 49

-12941 INC
89.48, AZM
182.91, TVD
7100.02

-13000 SS: pred lt gy -
trnsi, sub ang-sub rnd,
uncons qtz grs, v f- med
grs, mod- p srt; SHLY SS:
med gy- gybrn, frm- fri clus
wi sil-arg cmt, f- v fgr, mod
srt, sub ang-sub rnd; SHLY
SLTST: med gy-dk gy,
mod srt, sub rnd-rnd clus,
arg; tr fos frags; tr forams;



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△

-13261 TOOH
for RSS at 1830
hrs on
8/31/2017.
Resumed
drilling at 0740
hrs on 9/1/2017.

-13261 0000 hrs
on 9/1/2017

-13300 WT 10,
VIS 50

-13319 INC
93.11, AZM
181.01, TVD
7091.76

△

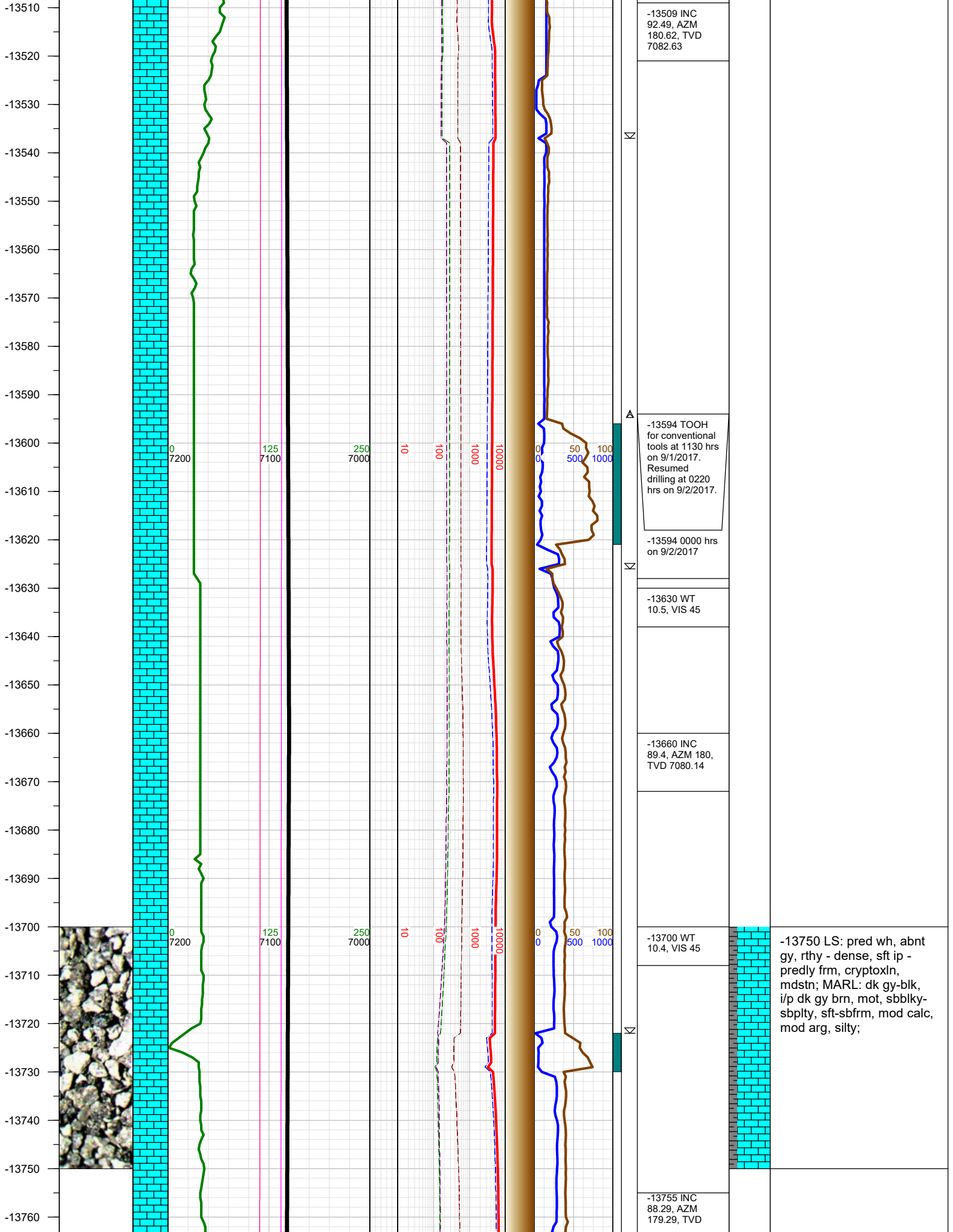
-13400 WT
10.1, VIS 48

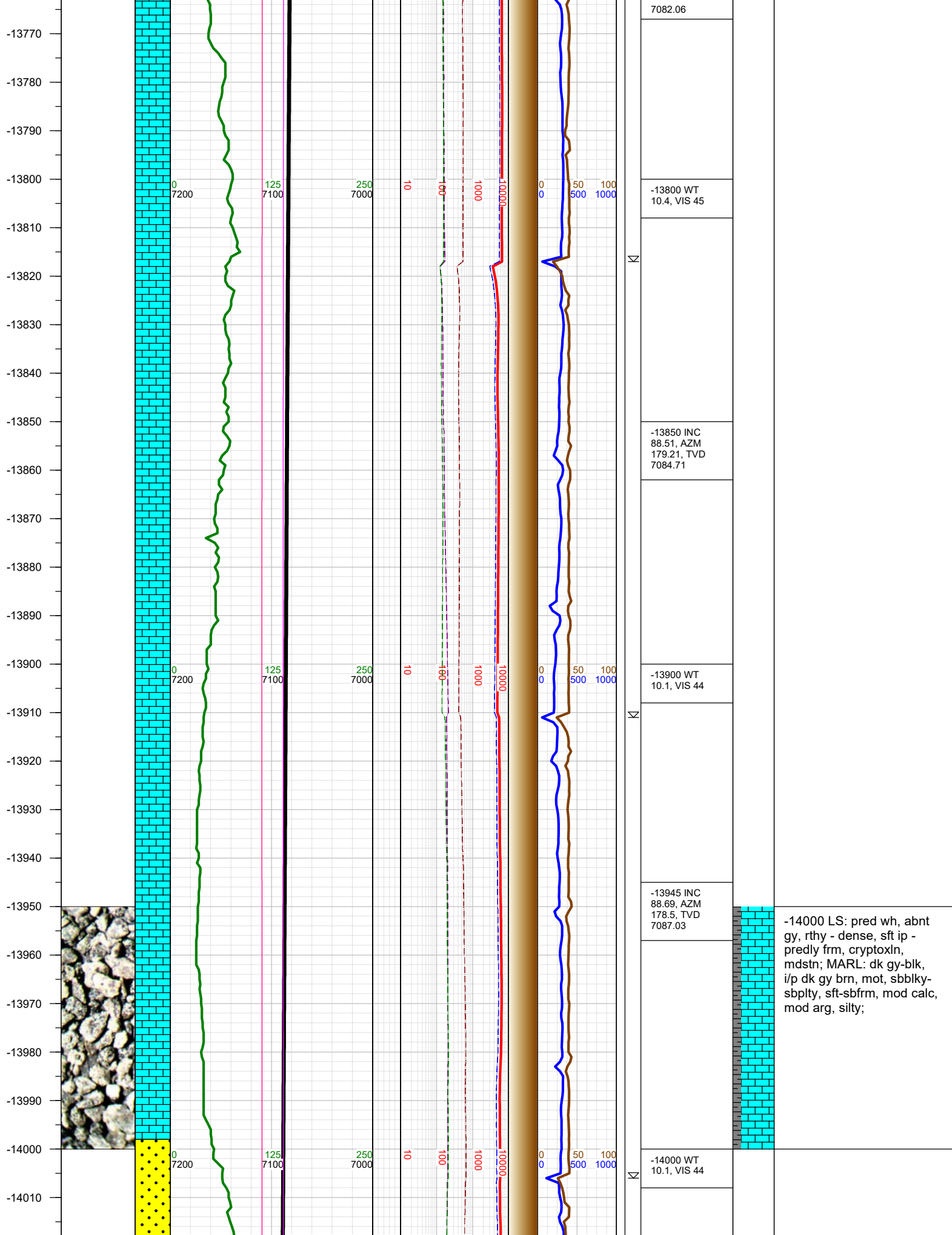
-13414 INC
92.71, AZM
180.62, TVD
7086.94

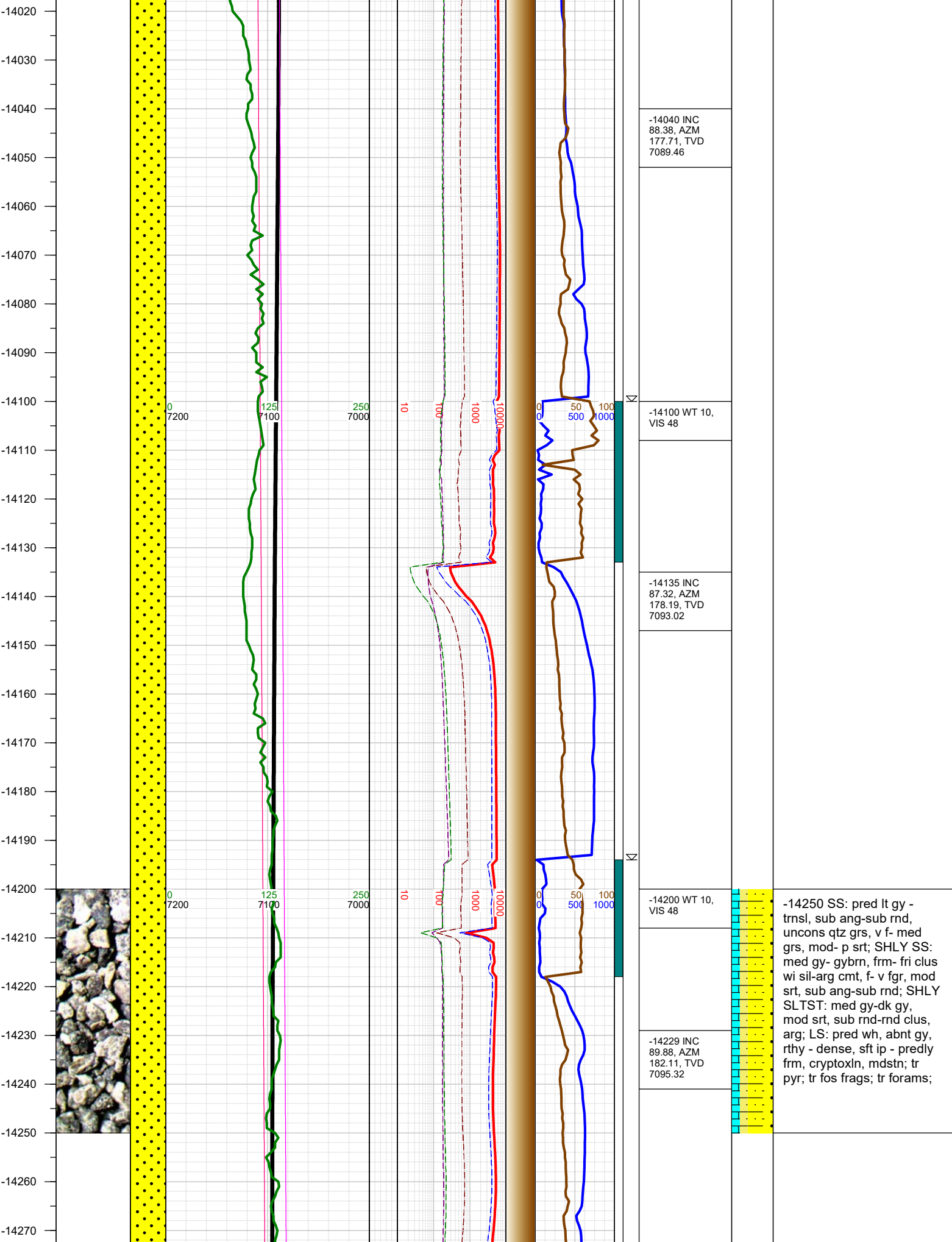
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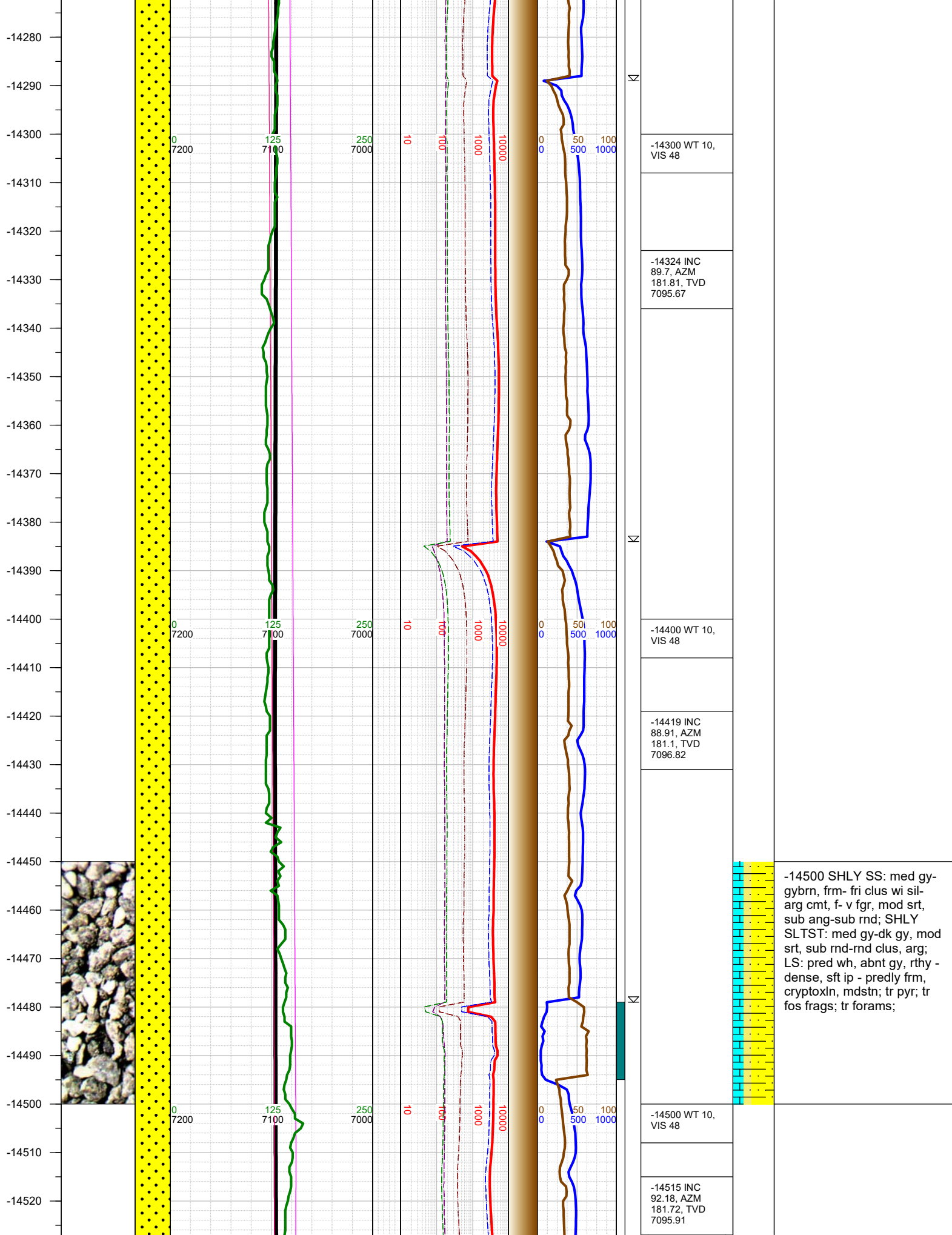
-13500 LS: pred wh, abnt
gy, rthy - dense, sft ip -
predly frm, cryptoxln,
mdstn; MARL: dk gy-blk,
i/p dk gy brn, mot, sbbiky-
sbplty, sft-sbfrm, mod calc,
mod arg, silty; SHLY SS:
med gy- gybrn, frm- fri clus
wi sil-arg cmt, f- v fgr, mod
srt, sub ang-sub rnd; tr pyr;
tr fos frags; tr forams;

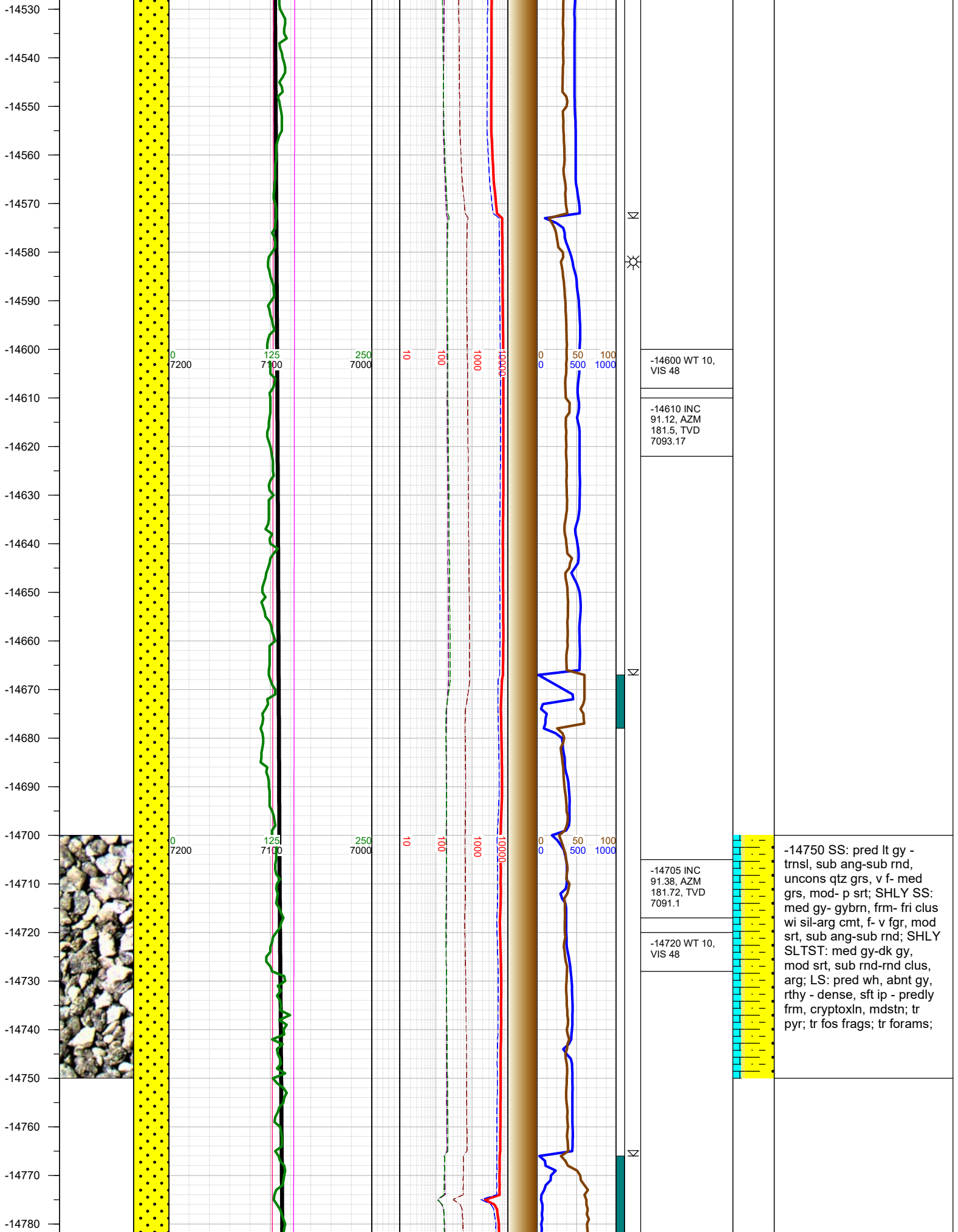
-13500 WT
10.5, VIS 45

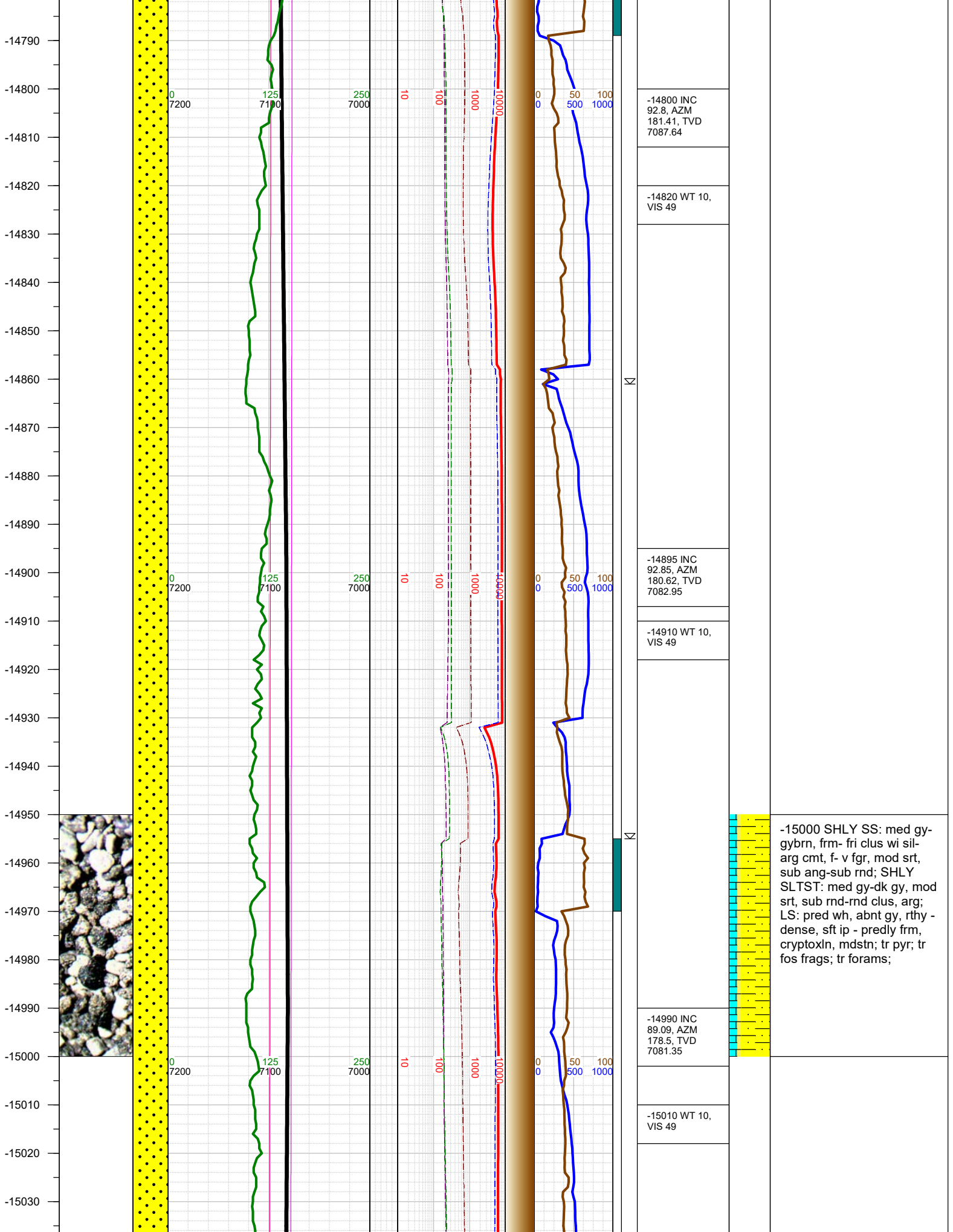


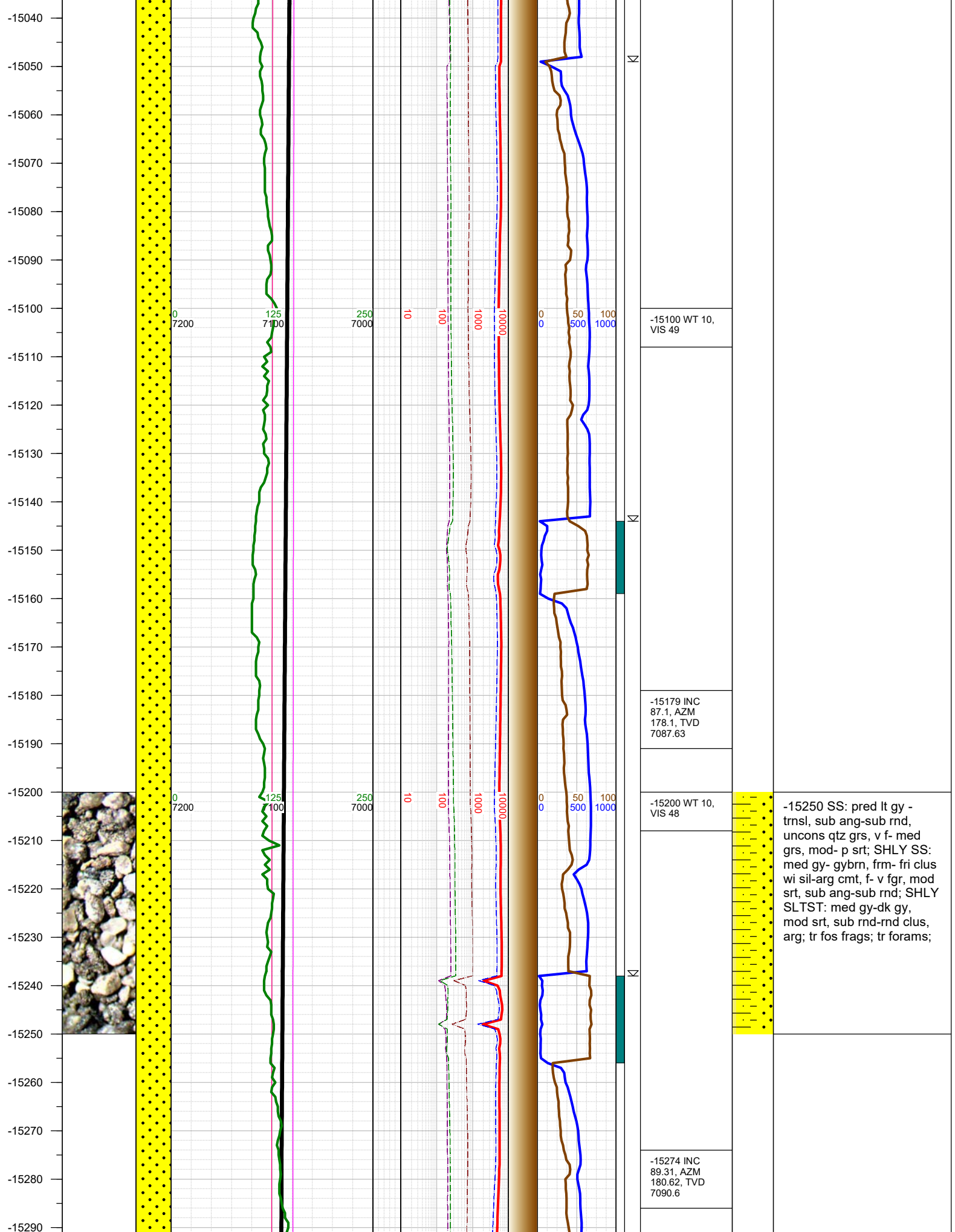


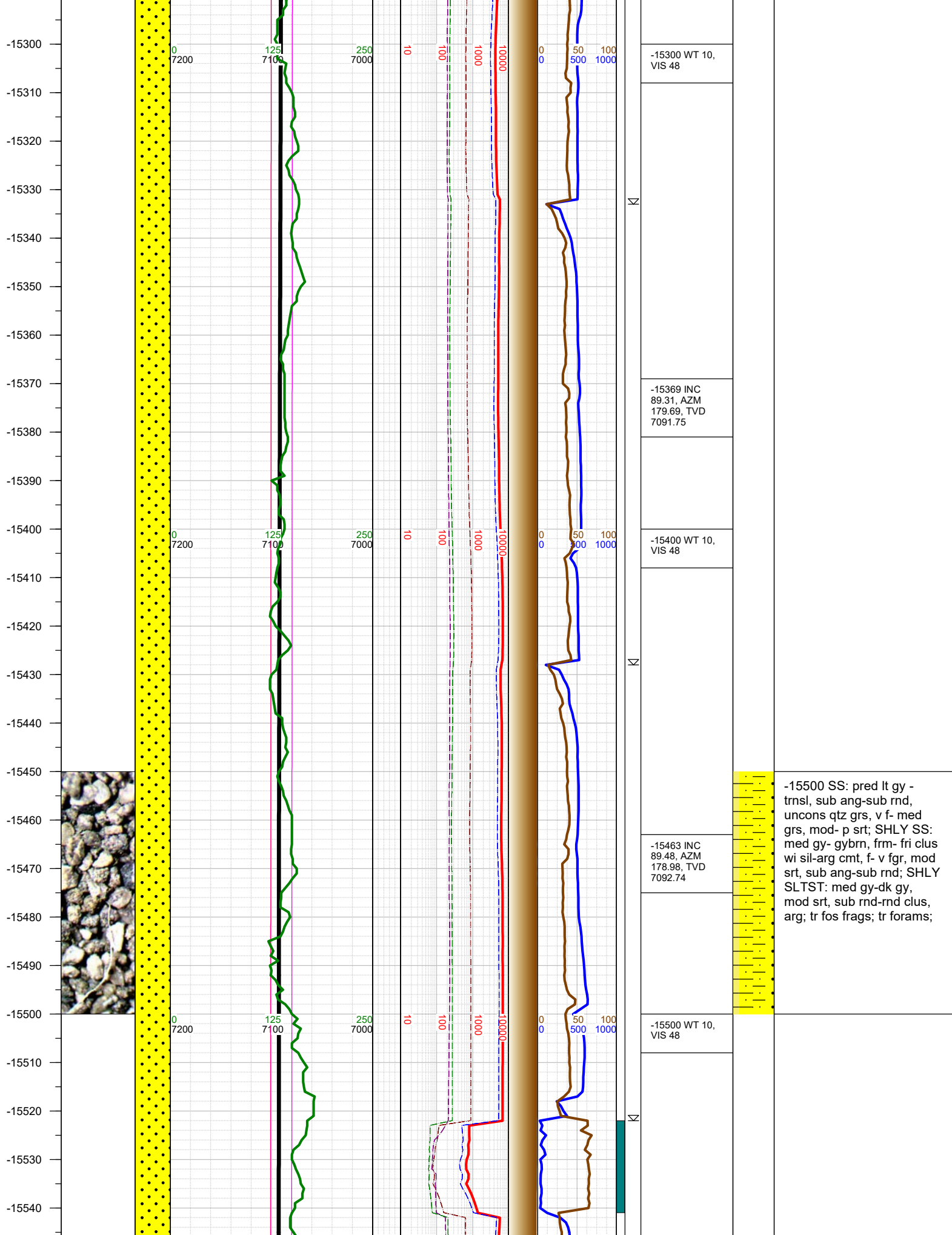




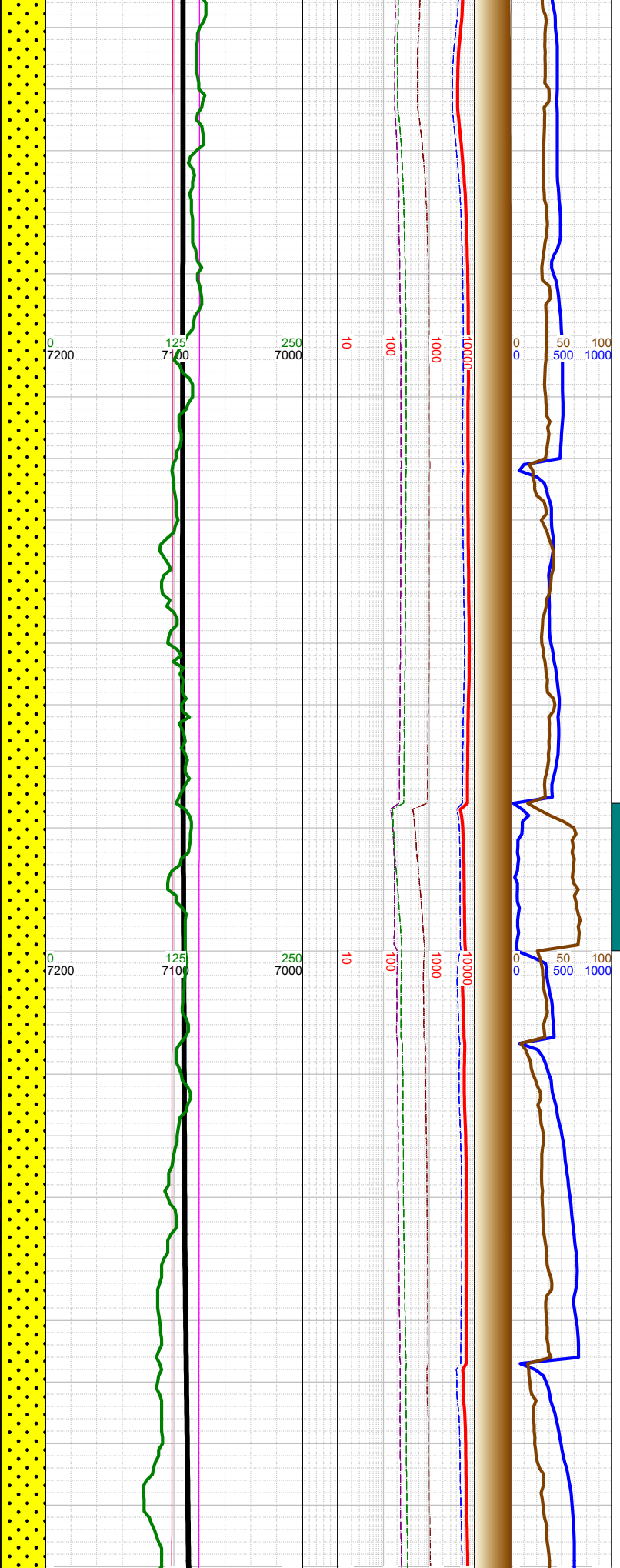




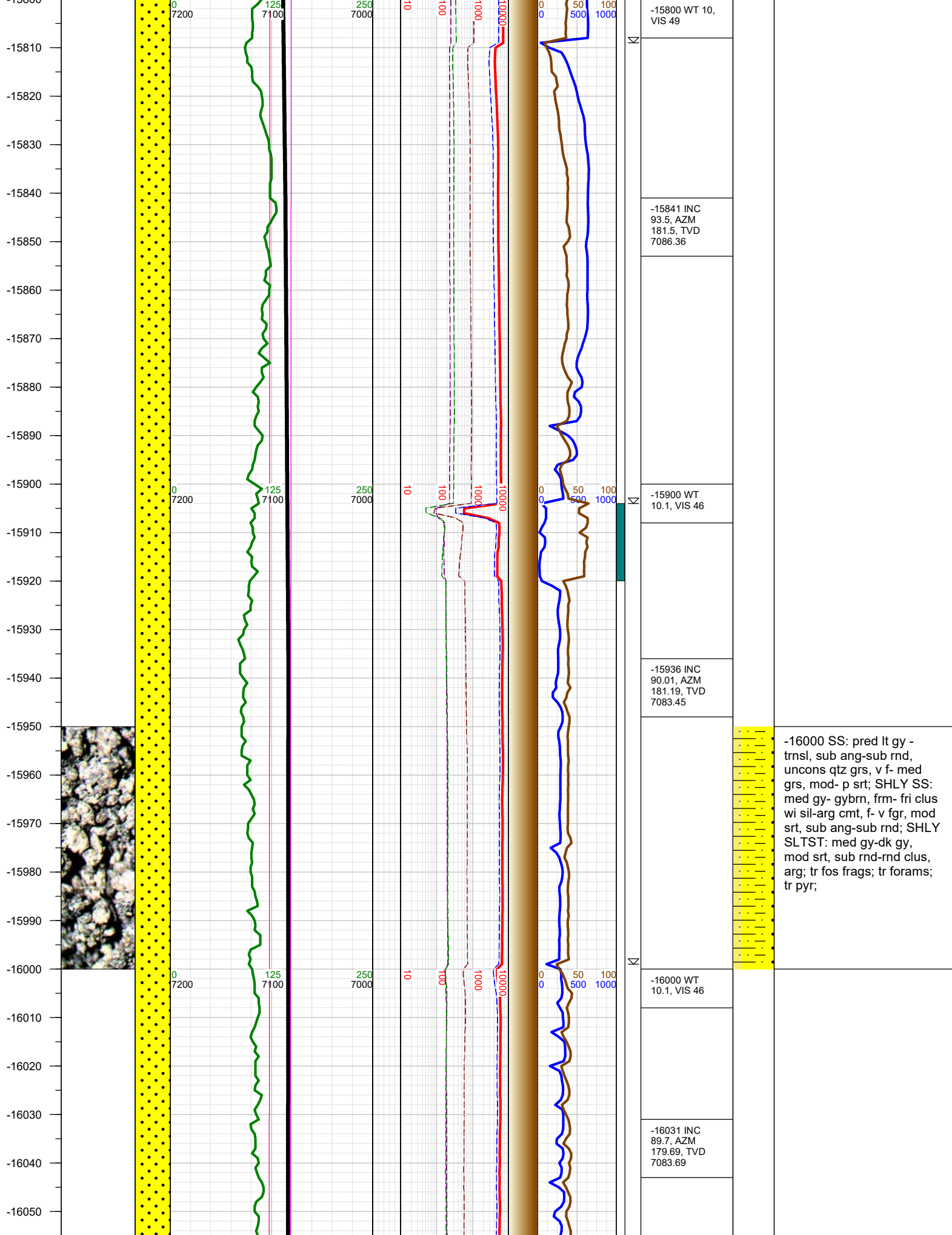


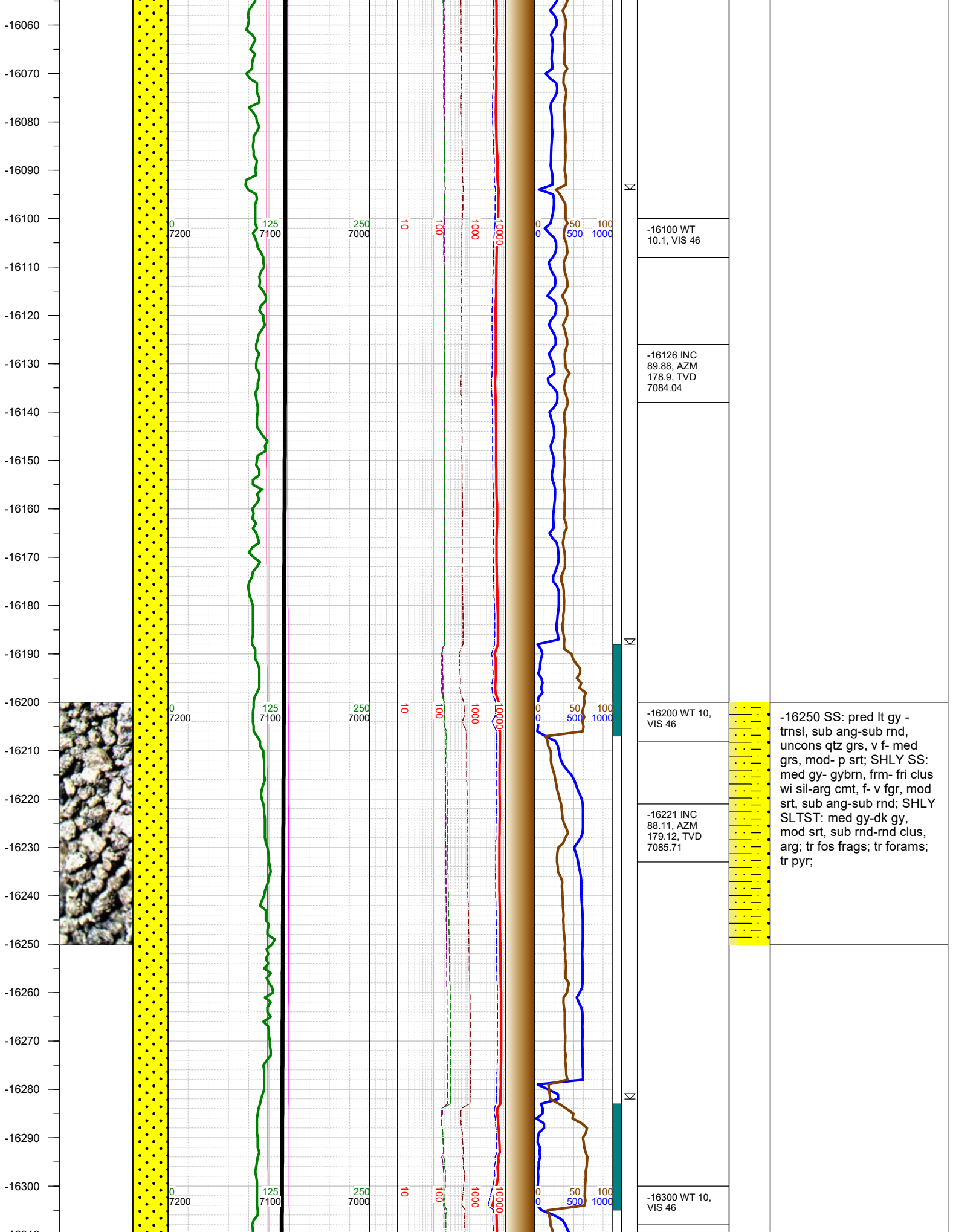


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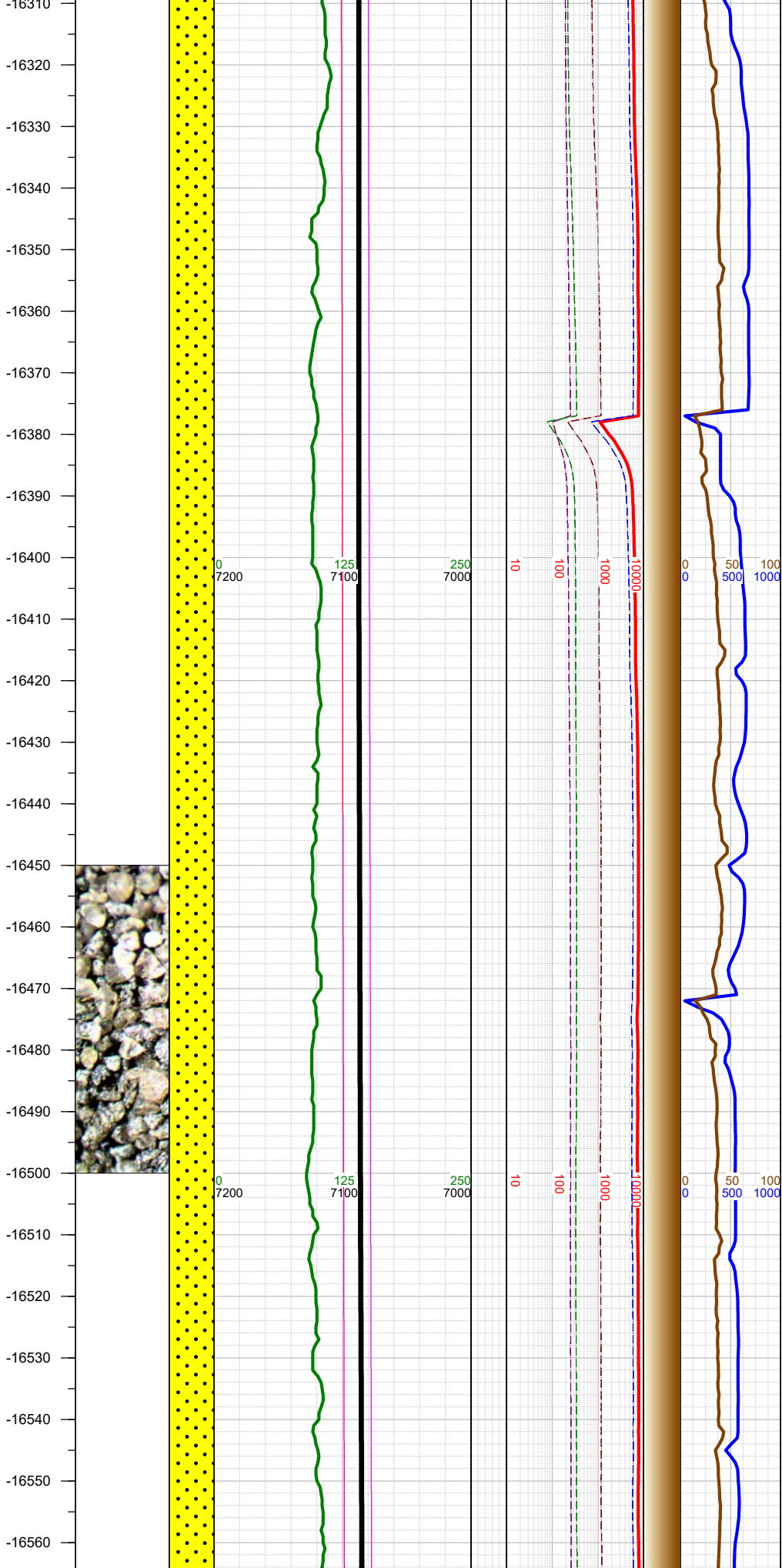


			-15558 INC 90.28, AZM 181.58, TVD 7092.94
			-15600 WT 10, VIS 48
			-15652 INC 89.22, AZM 179.91, TVD 7093.35
			-15700 WT 10, VIS 48
		-15750 SS: pred lt gy - trnsl, sub ang-sub rnd, uncons qtz grs, v f- med grs, mod- p srt; SHLY SS: med gy- gybrn, frm- fri clus wi sil-arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, sub rnd-rnd clus, arg; tr fos frags; tr forams; mod ls;	
			-15747 INC 92.89, AZM 182.11, TVD 7091.6





-16250 SS: pred lt gy - trnsl, sub ang-sub rnd, uncons qtz grs, v f- med grs, mod- p srt; SHLY SS: med gy- gybrn, frm- fri clus wi sil-arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, sub rnd-rnd clus, arg; tr fos frags; tr forams; tr pyr;



-16315 INC
89.7, AZM 180,
TVD 7087.5

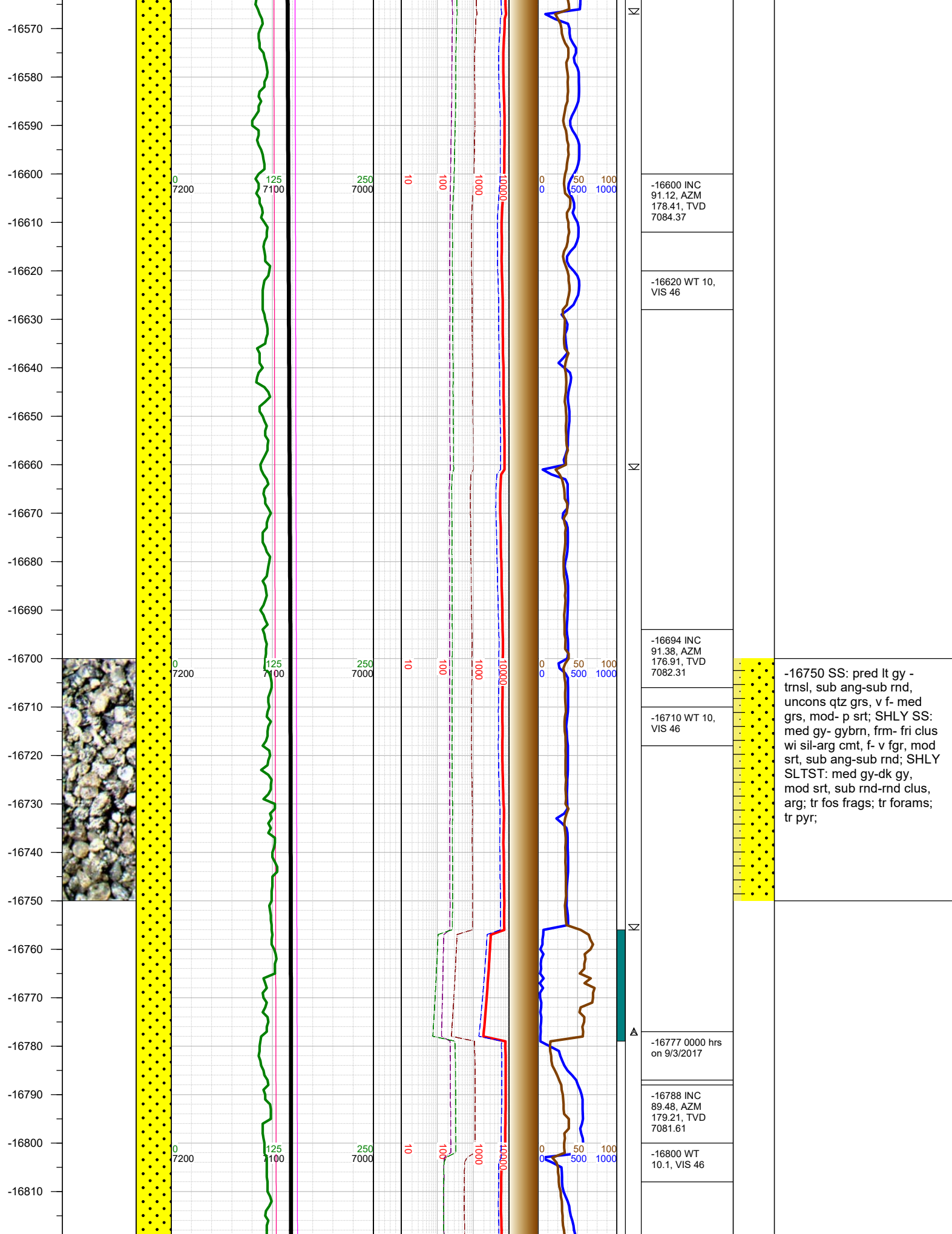
-16400 WT 10,
VIS 46

-16411 INC
90.5, AZM
180.09, TVD
7087.34

-16505 INC
90.99, AZM
180.22, TVD
7086.11

-16520 WT 10,
VIS 46

-16500 SS: pred lt gy -
trns, sub ang-sub rnd,
uncons qtz grs, v f- med
grs, mod- p srt; SHLY SS:
med gy- gybrn, frm- fri clus
wi sil-arg cmt, f- v fgr, mod
srt, sub ang-sub rnd; SHLY
SLTST: med gy-dk gy,
mod srt, sub rnd-rnd clus,
arg; tr fos frags; tr forams;
tr pyr;



-16600 INC
91.12, AZM
178.41, TVD
7084.37

-16620 WT 10,
VIS 46

-16694 INC
91.38, AZM
176.91, TVD
7082.31

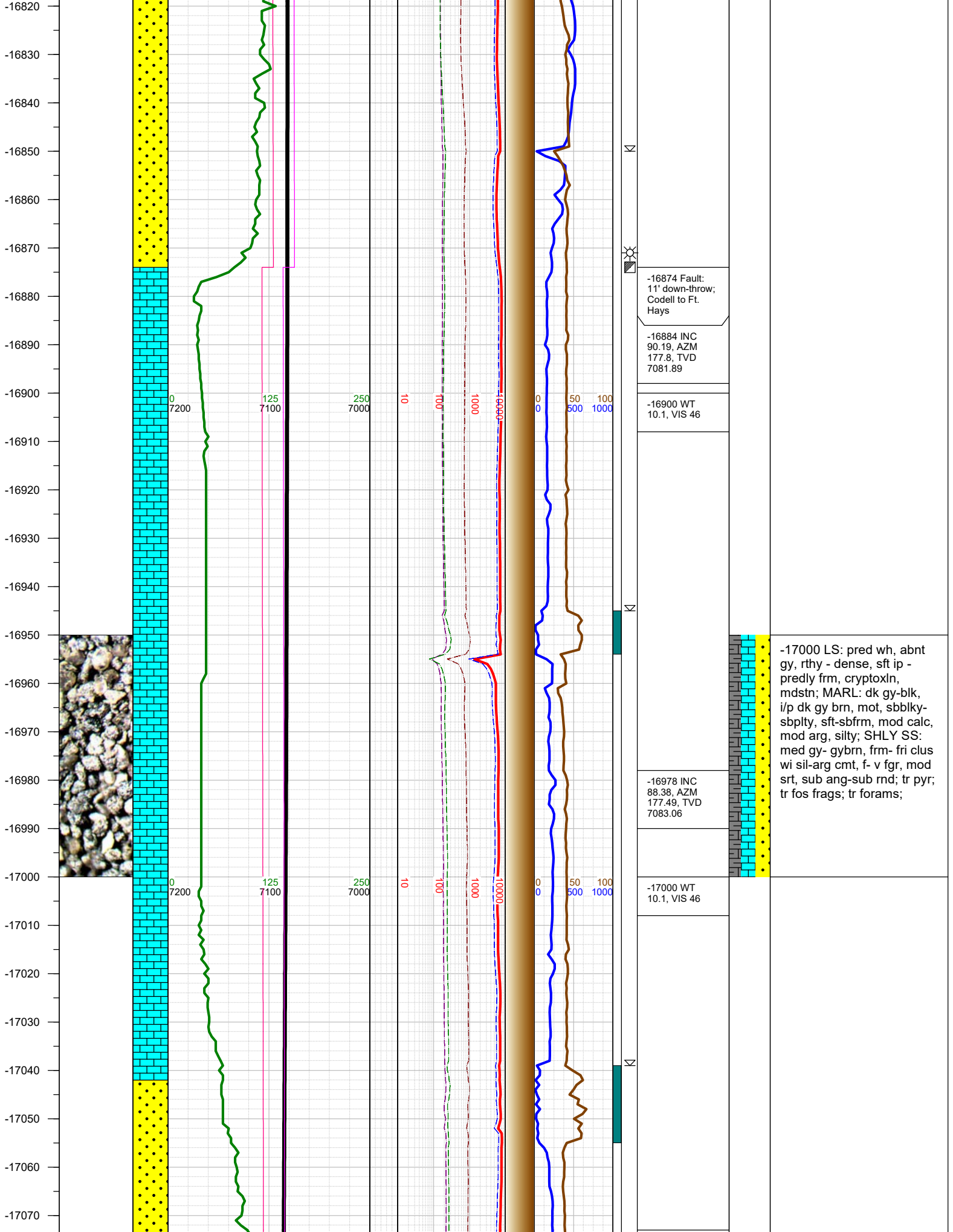
-16710 WT 10,
VIS 46

-16777 0000 hrs
on 9/3/2017

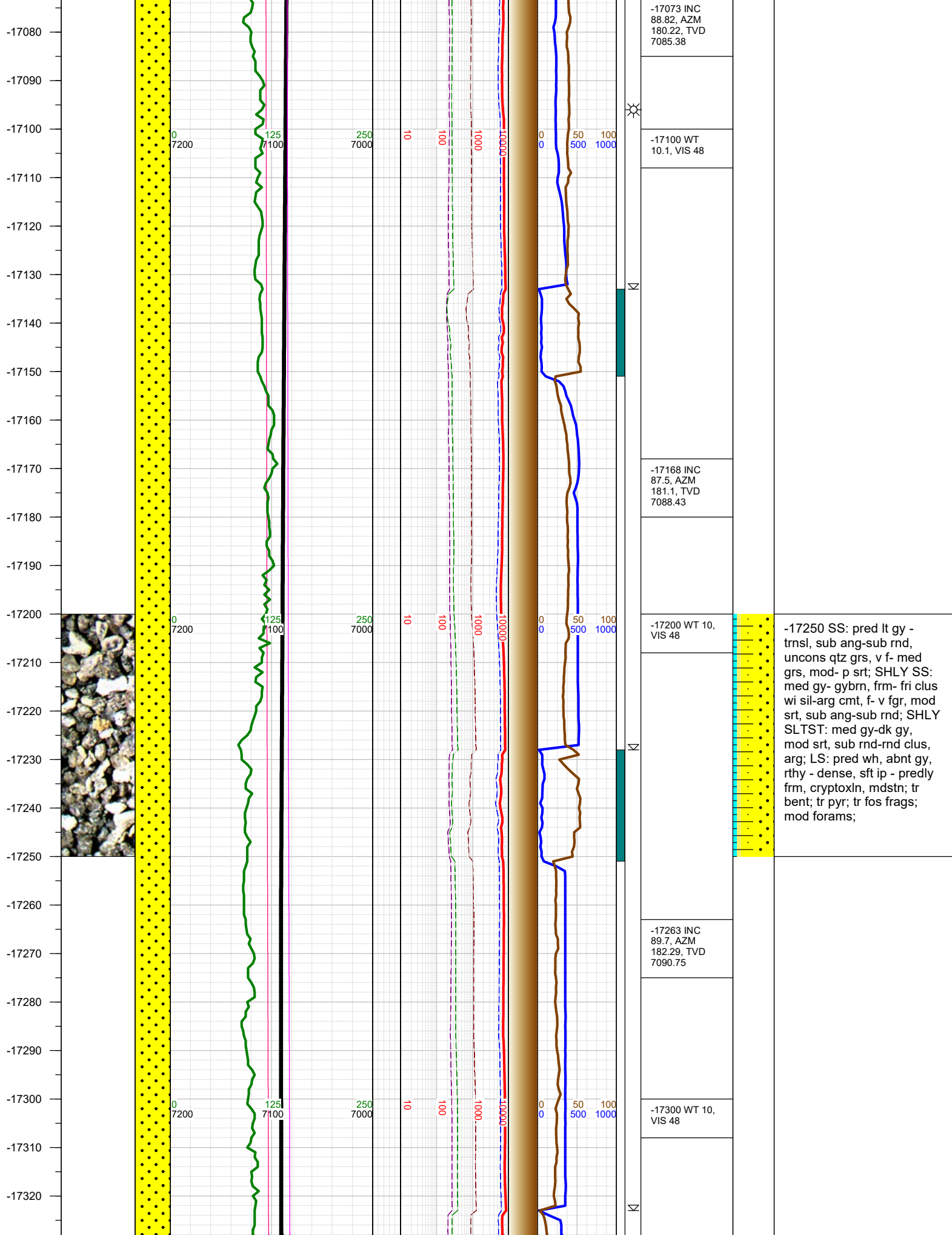
-16788 INC
89.48, AZM
179.21, TVD
7081.61

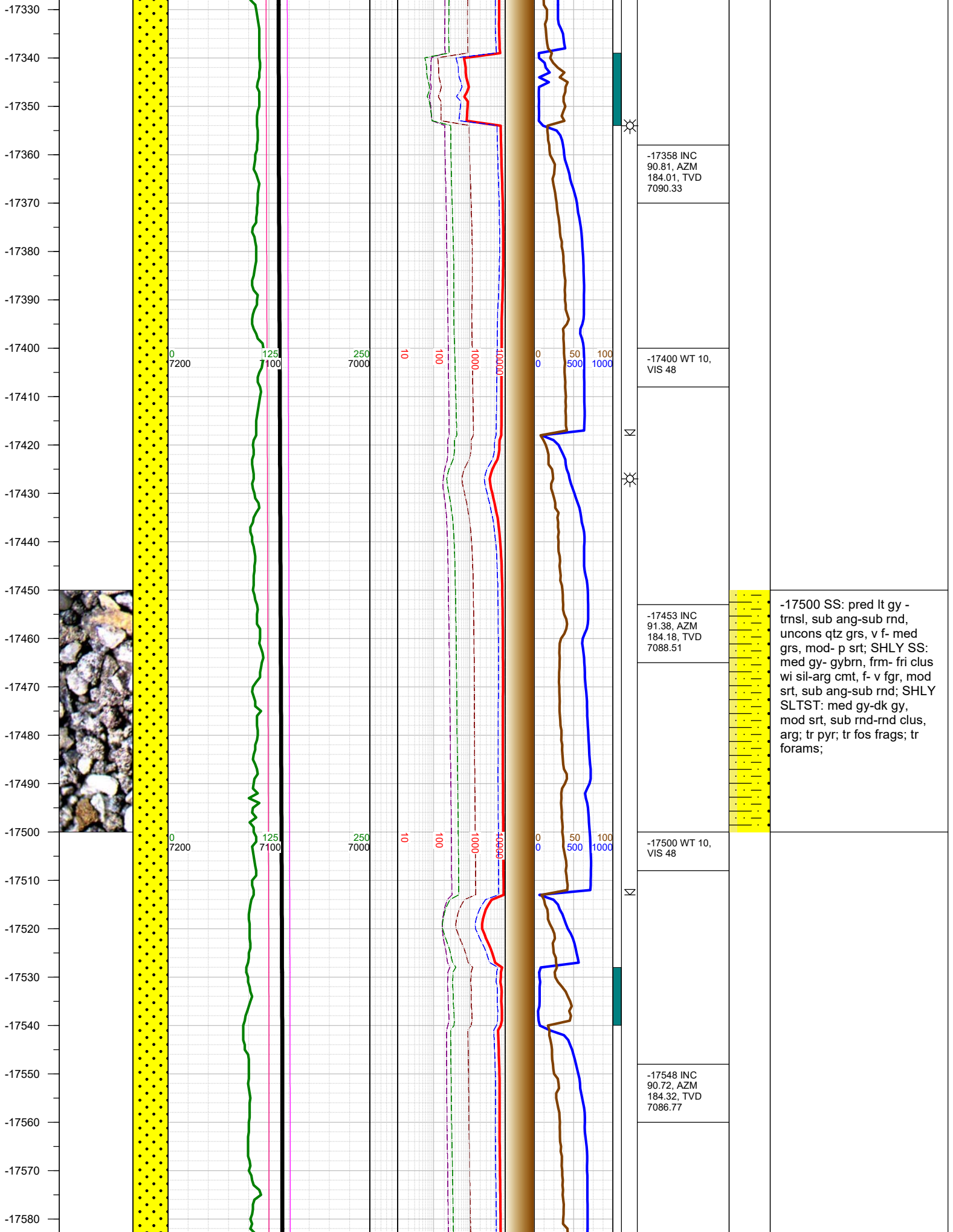
-16800 WT
10.1, VIS 46

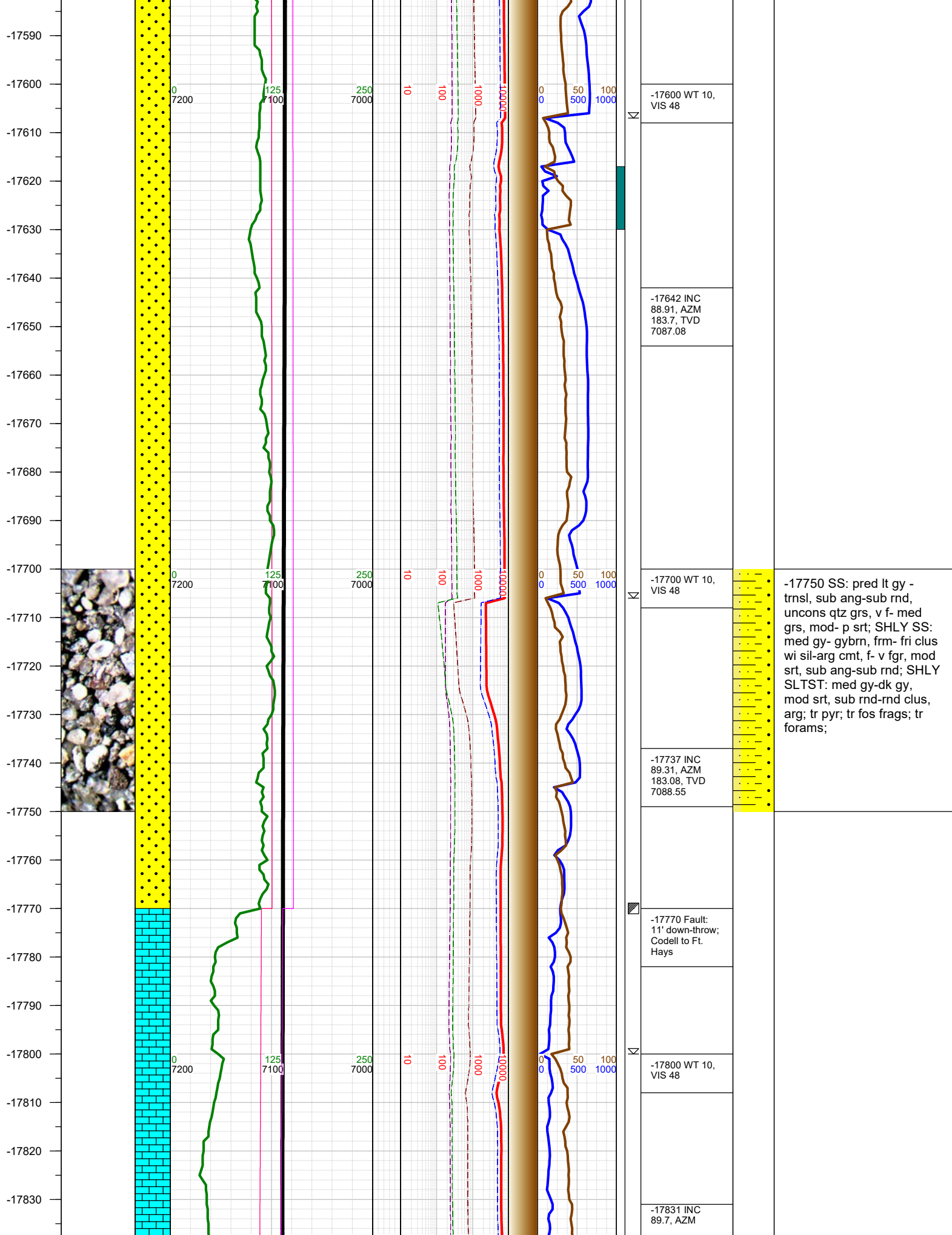
-16750 SS: pred lt gy -
trnsi, sub ang-sub rnd,
uncons qtz grs, v f- med
grs, mod- p srt; SHLY SS:
med gy- gybrn, frm- fri clus
wi sil-arg cmt, f- v fgr, mod
srt, sub ang-sub rnd; SHLY
SLTST: med gy-dk gy,
mod srt, sub rnd-rnd clus,
arg; tr fos frags; tr forams;
tr pyr;



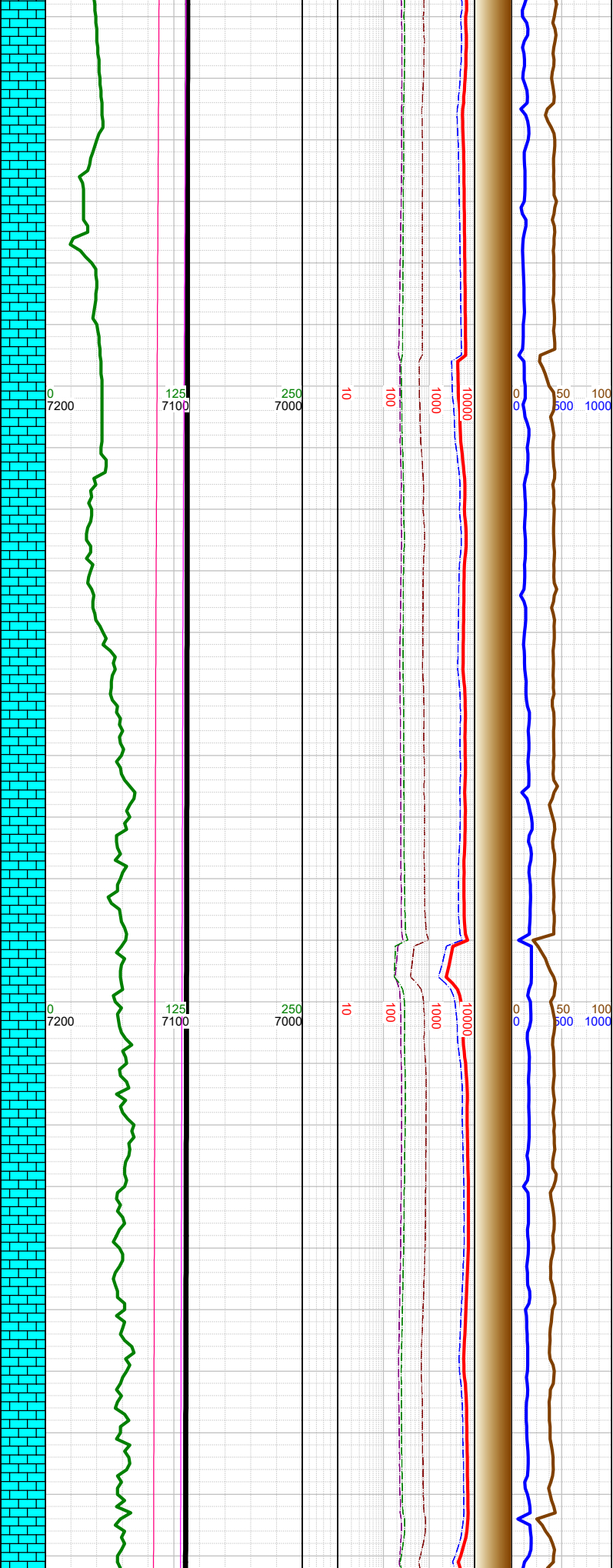
-17000 LS: pred wh, abnt gy, rthy - dense, sft ip - predly frm, cryptoxln, mdstn; MARL: dk gy-blk, i/p dk gy brn, mot, sbblky-sbplty, sft-sbfrm, mod calc, mod arg, silty; SHLY SS: med gy- gybrn, frm- fri clus wi sil-arg cmt, f- v fgr, mod srt, sub ang-sub rnd; tr pyr; tr fos frags; tr forams;



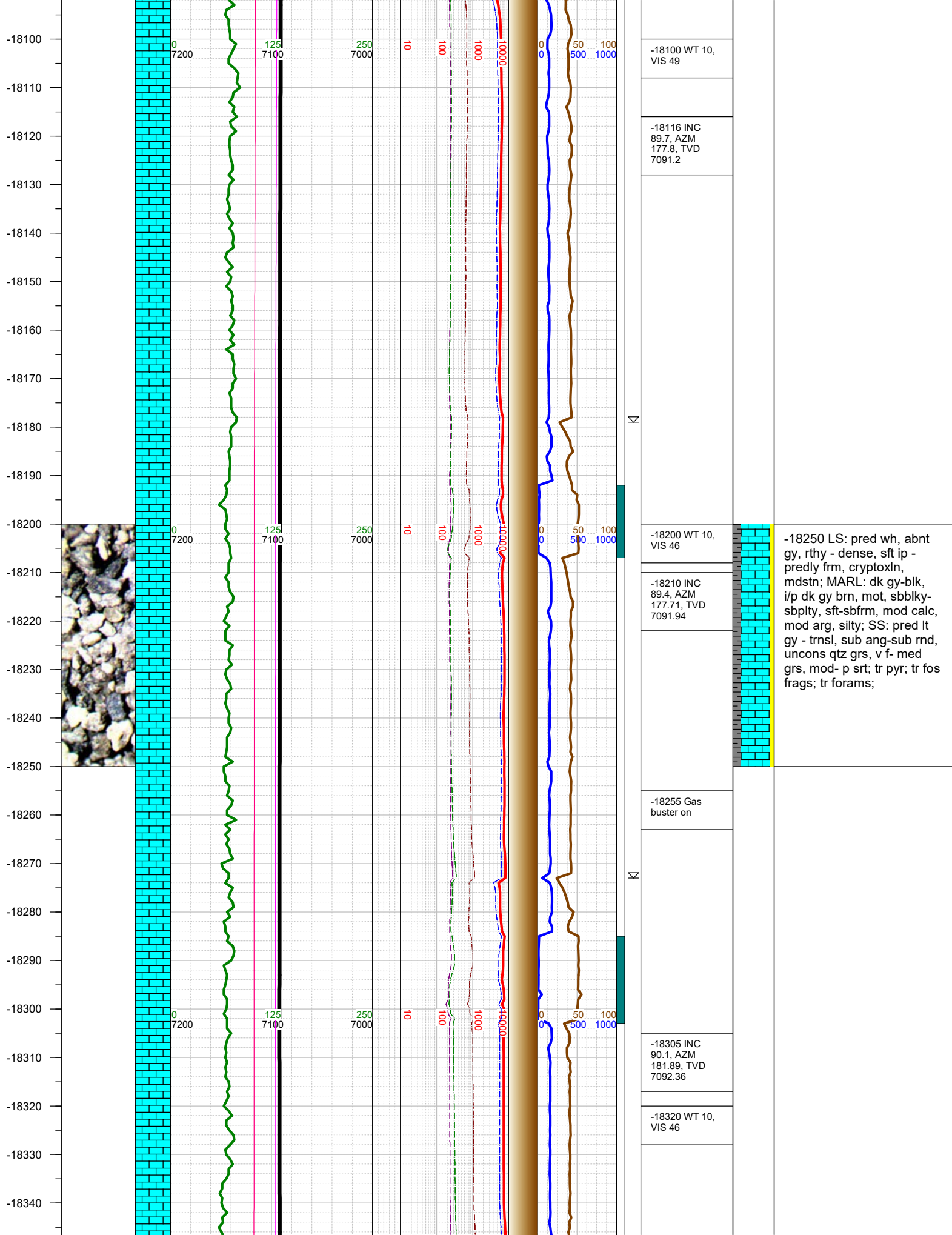




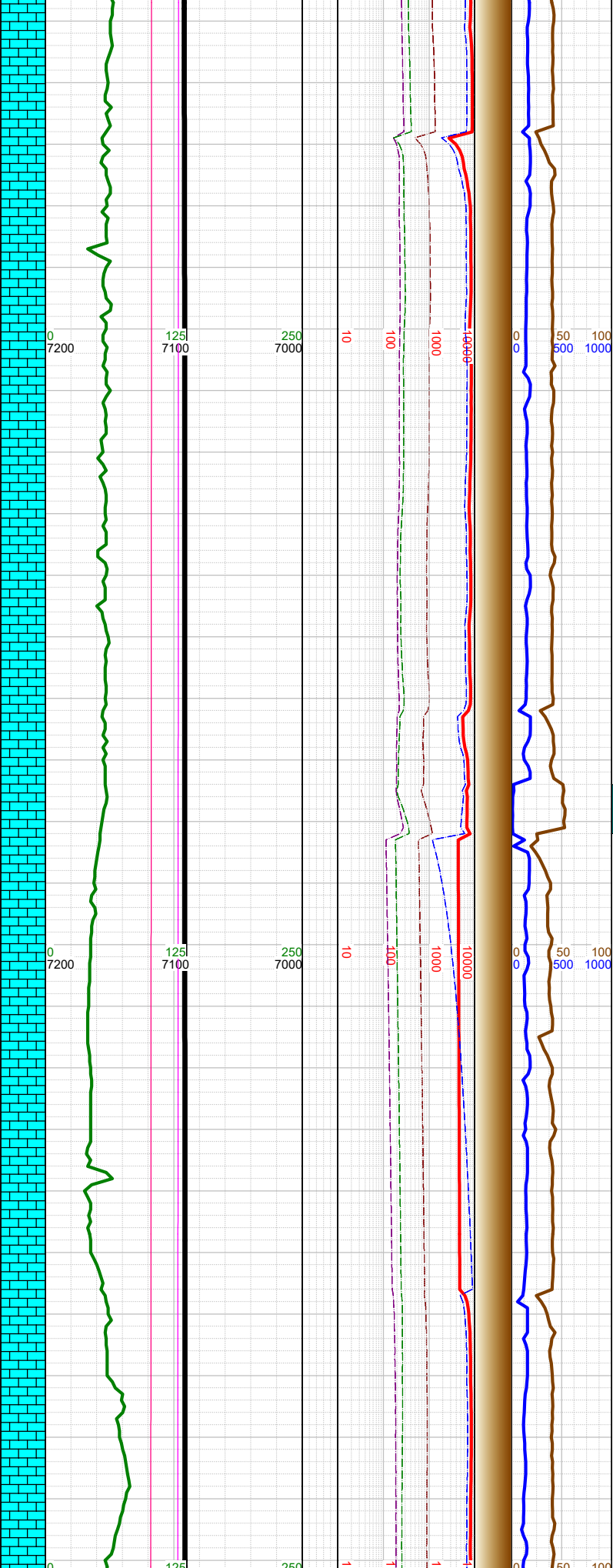
-17840
-17850
-17860
-17870
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-17890
-17900
-17910
-17920
-17930
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-17950
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-17970
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-18020
-18030
-18040
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-18060
-18070
-18080
-18090



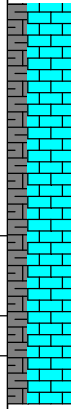
N	181.98, TVD 7089.36	
	-17900 WT 10, VIS 48	
	-17926 INC 89.88, AZM 181.5, TVD 7089.71	
	-18000 LS: pred wh, abnt gy, rthy - dense, sft ip - predly frm, cryptoxln, mdstn; MARL: dk gy-blk, i/p dk gy brn, mot, sbbiky- sbplty, sft-sbfrm, mod calc, mod arg, silty; SS: pred lt gy - trnsl, sub ang-sub rnd, uncons qtz grs, v f- med grs, mod- p srt; tr pyr; tr fos frags; tr forams;	
N	-18000 WT 10, VIS 50	
	-18021 INC 89.31, AZM 181.5, TVD 7090.38	
N		



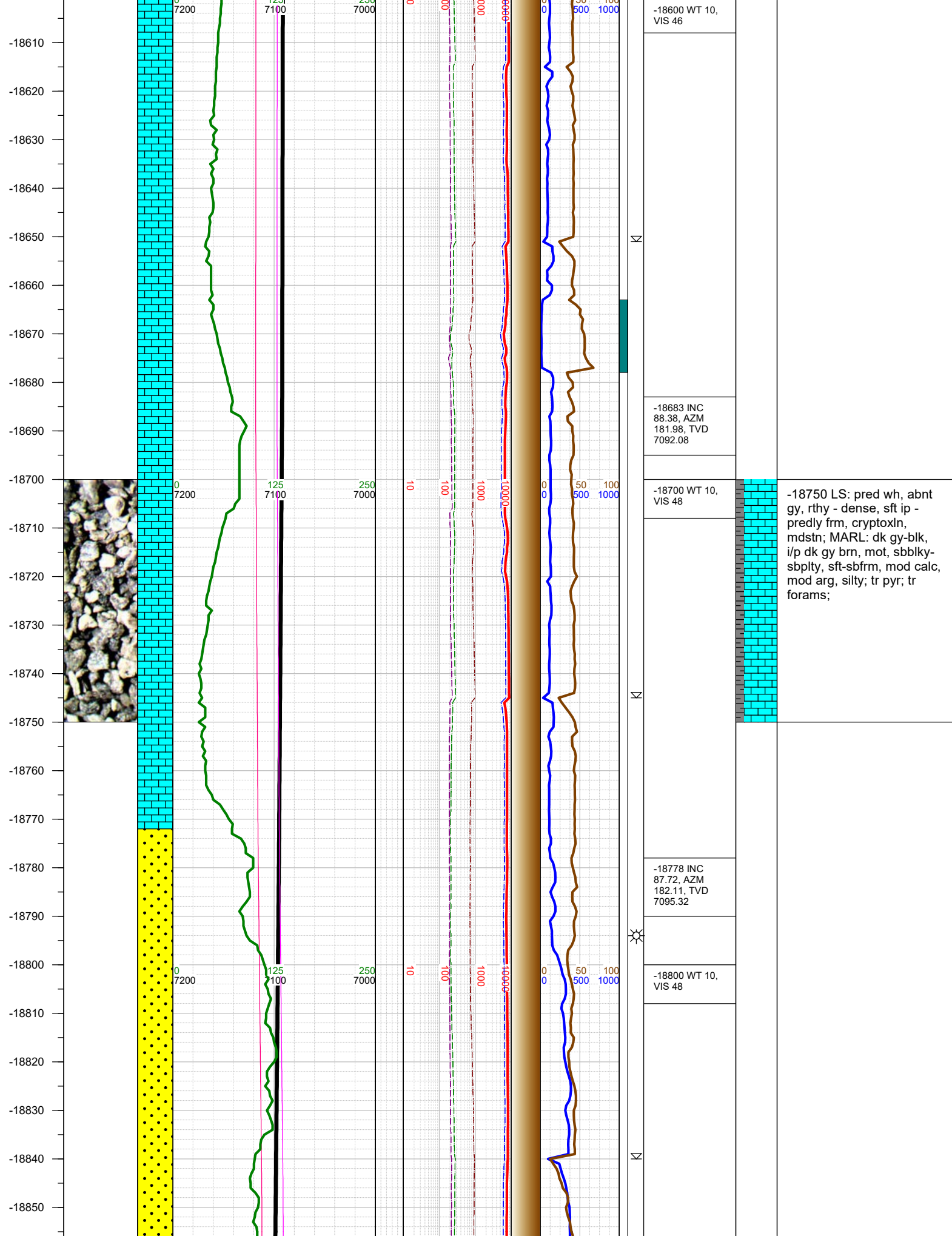
-18350
-18360
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-18380
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-18580
-18590
-18600

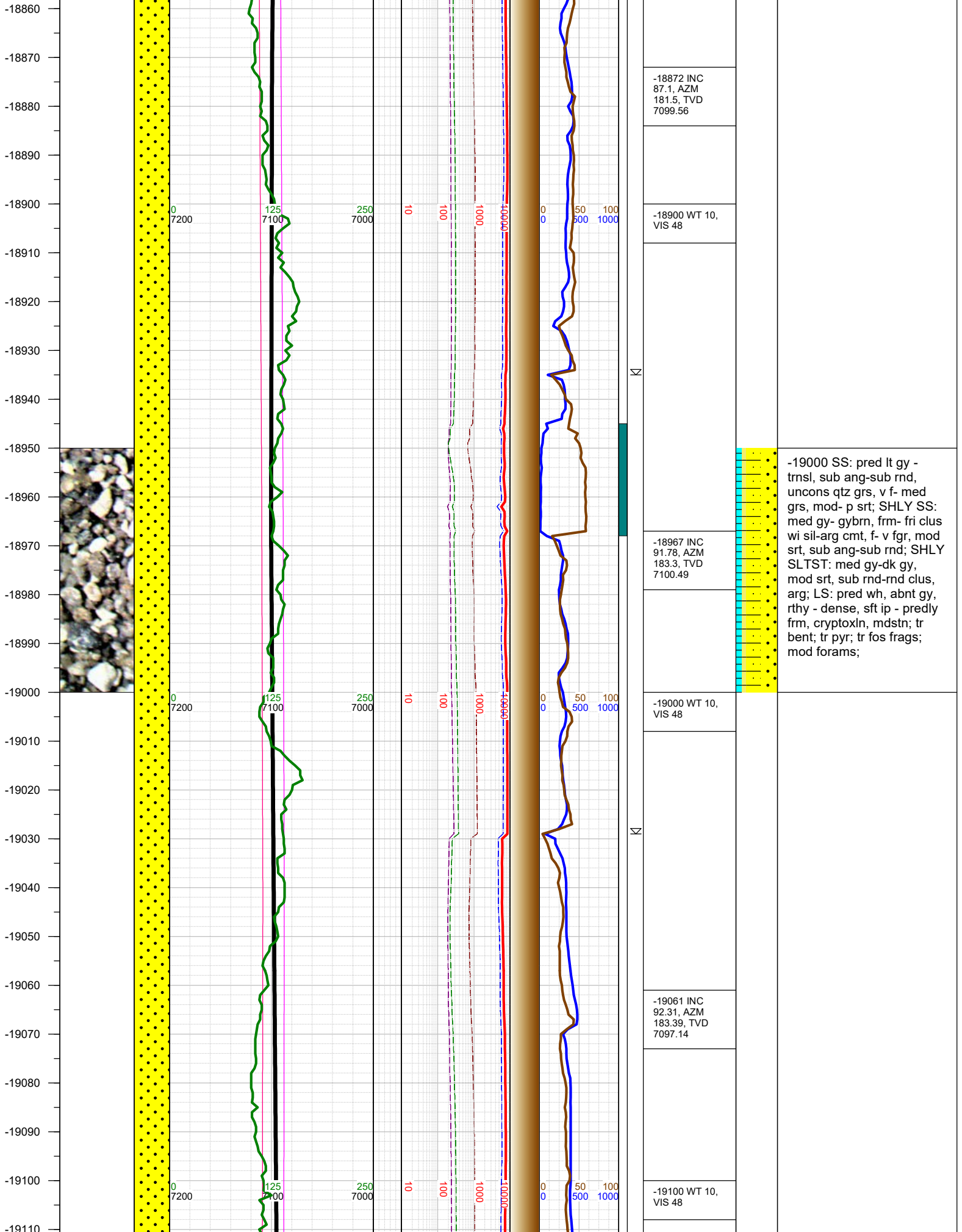


-18399 INC 90.72, AZM 181.41, TVD 7091.68
-18420 WT 10, VIS 46
-18479 0000 hrs on 9/4/2017
-18494 INC 89.4, AZM 182.29, TVD 7091.58
-18510 WT 10, VIS 46
-18588 INC 90.81, AZM 182.2, TVD 7091.41



-18500 LS: pred wh, abnt
gy, rthy - dense, sft ip -
predly frm, cryptoxln,
mdstn; MARL: dk gy-blk,
i/p dk gy brn, mot, sbblky-
sbplty, sft-sbfrm, mod calc,
mod arg, silty; tr pyr;





-18872 INC
87.1, AZM
181.5, TVD
7099.56

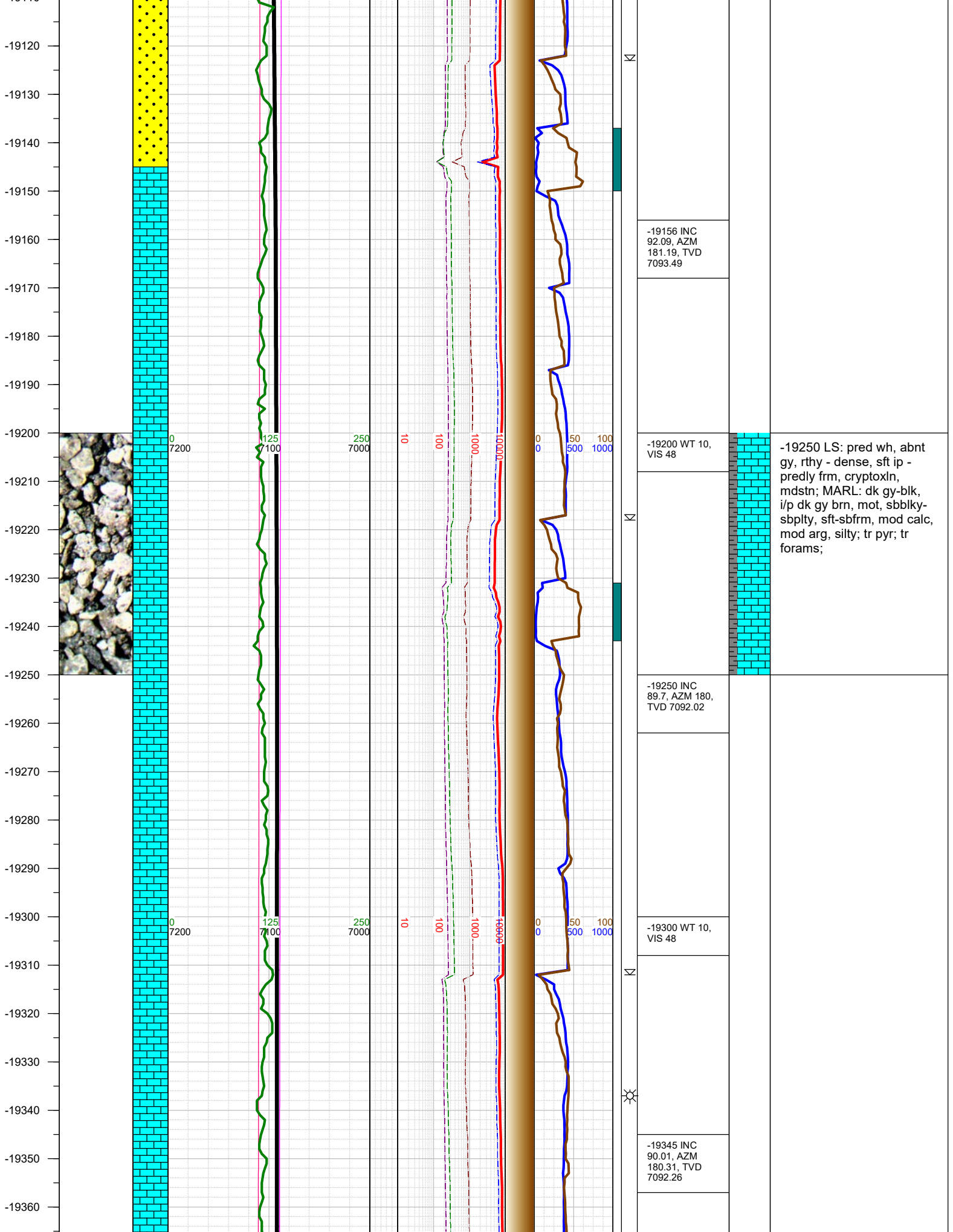
-18900 WT 10,
VIS 48

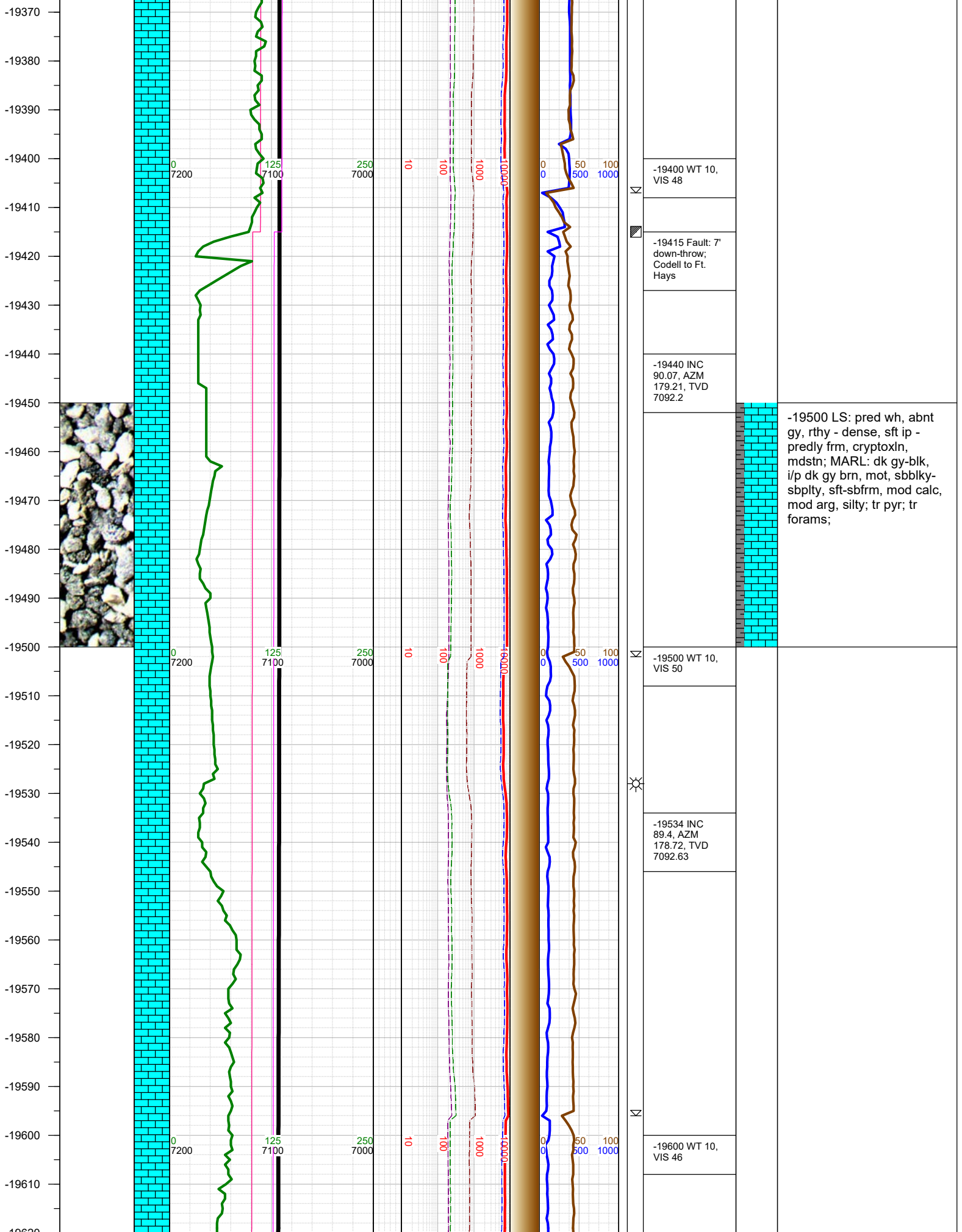
-18967 INC
91.78, AZM
183.3, TVD
7100.49

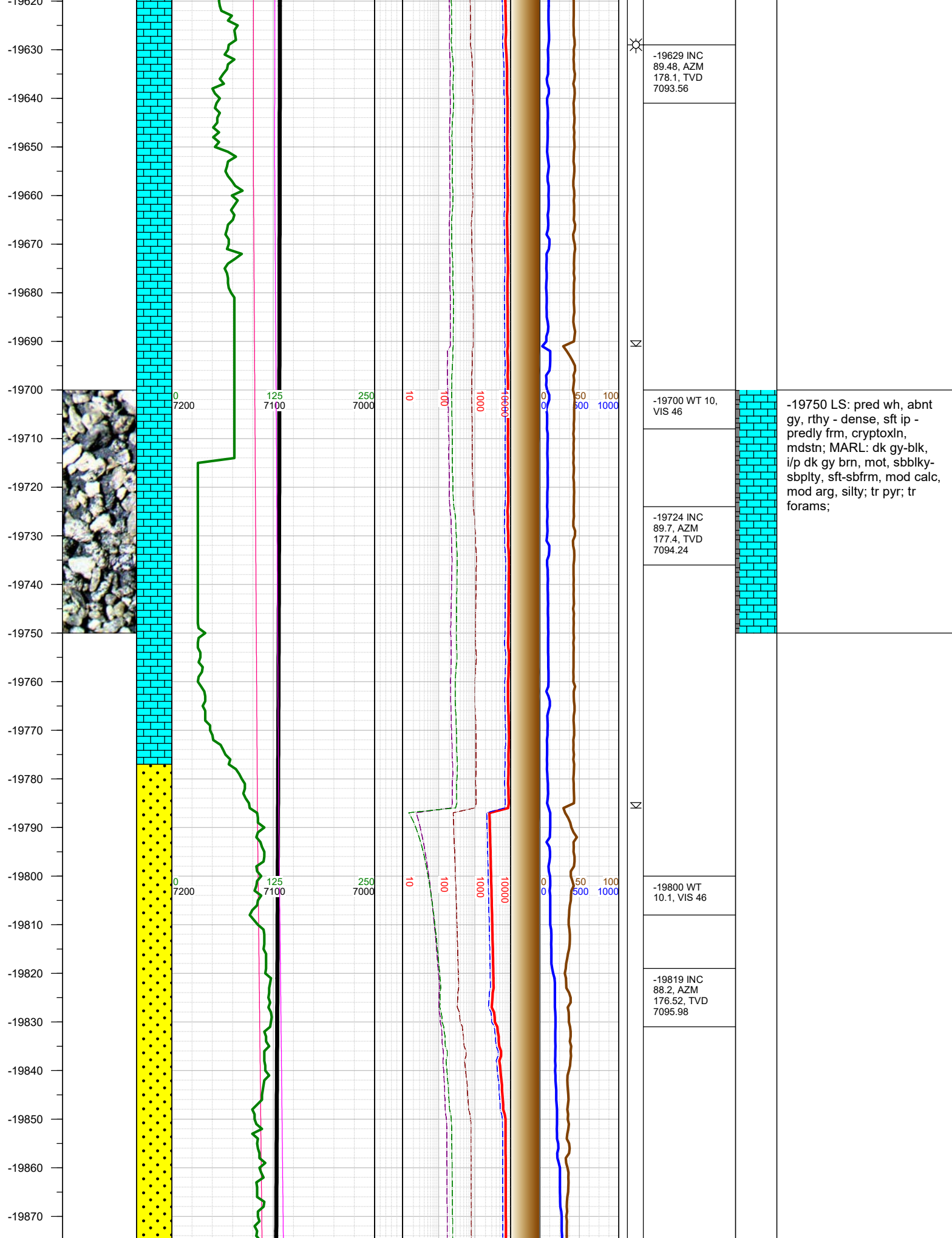
-19000 WT 10,
VIS 48

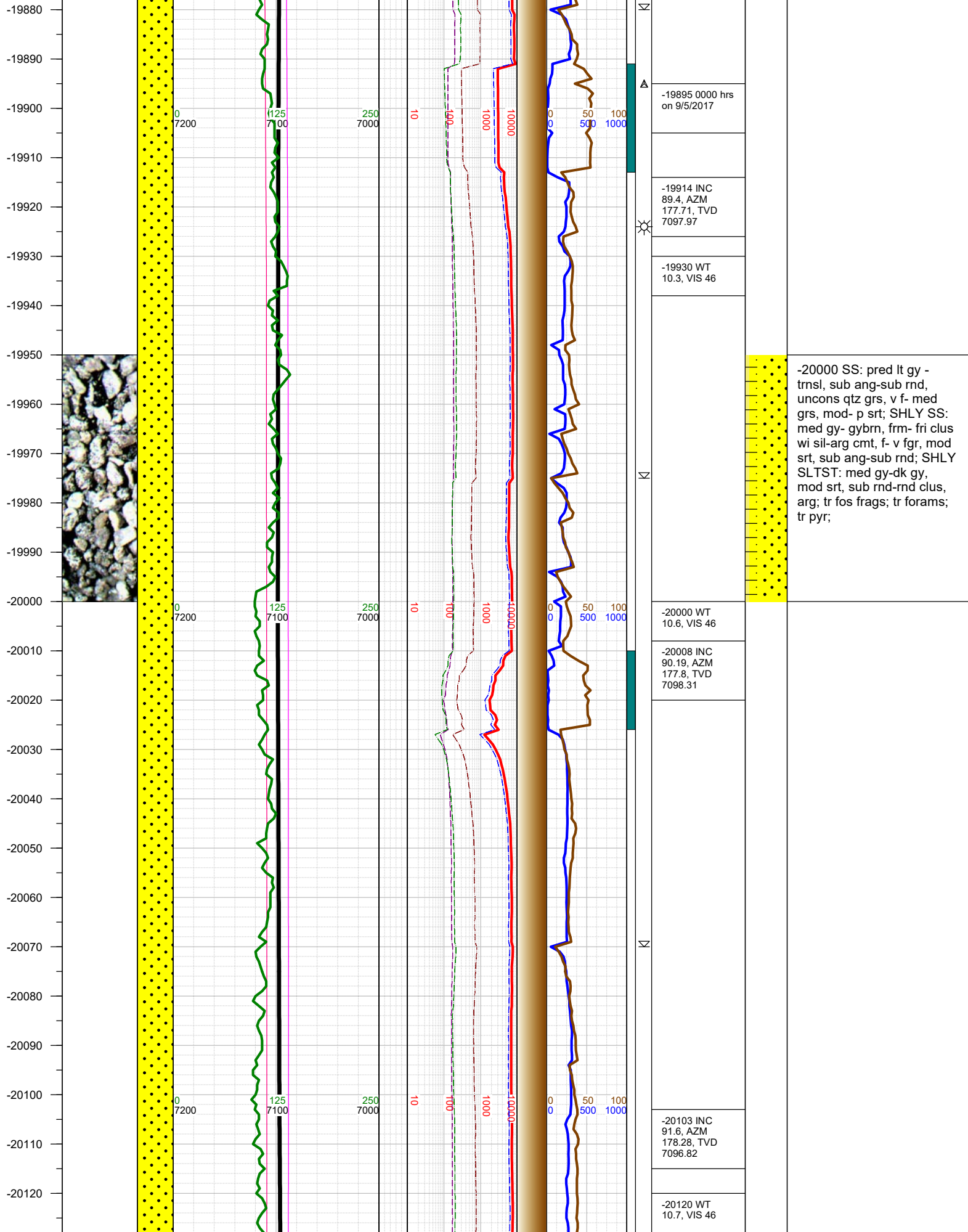
-19061 INC
92.31, AZM
183.39, TVD
7097.14

-19100 WT 10,
VIS 48









-20000 SS: pred lt gy - trnsl, sub ang-sub rnd, uncons qtz grs, v f- med grs, mod- p srt; SHLY SS: med gy- gybrn, frm- fri clus wi sil-arg cmt, f- v fgr, mod srt, sub ang-sub rnd; SHLY SLTST: med gy-dk gy, mod srt, sub rnd-rnd clus, arg; tr fos frags; tr forams; tr pyr;

-19895 0000 hrs on 9/5/2017

-19914 INC 89.4, AZM 177.71, TVD 7097.97

-19930 WT 10.3, VIS 46

-20000 WT 10.6, VIS 46

-20008 INC 90.19, AZM 177.8, TVD 7098.31

-20103 INC 91.6, AZM 178.28, TVD 7096.82

-20120 WT 10.7, VIS 46

