

OPERATOR: **Bayswater E&P, LLC**
 WELL NAME: **DeHaan 5X-HC-16-07-65**
 FIELD NAME: DJ Basin - Wattenberg
 DRILLING RIG: Ensign 153
 API #: 05-123-49459

LAT/LONG: 40.570867, -104.694553
 SURFACE HOLE: SWSW S17-T7N-R65W, 1082' FSL, 554' FWL
 BOTTOM HOLE: S16-T7N-R65W, 2259' FSL, 460' FEL



Earth Science Agency, LLC

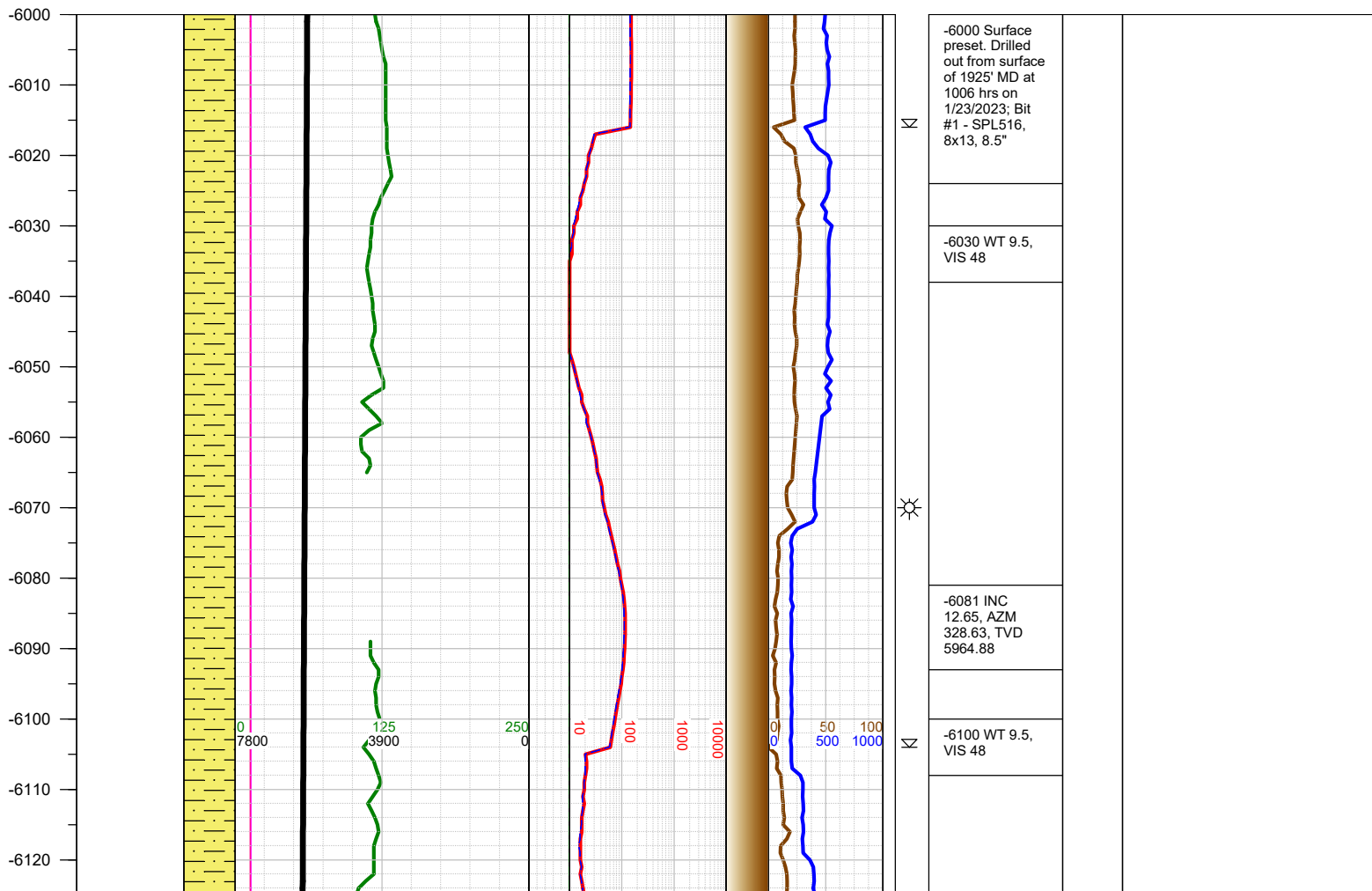
COUNTY: Weld
 STATE: Colorado
 GROUND ELEVATION: 4906'
 KELLY BUSHING: 4929'
 DRILLING FLUID: OBM
 TVD VS. MD: 7337' / 17509'
 LOGGING START DATE: January 23, 2023
 TD DATE: January 29, 2023
 DEPTHS LOGGED: 6000' - 17509'
 DATES LOGGED: January 23, 2023 - January 29, 2023
 GEOLOGISTS: Joey Luce, Scott Snoy
 SCALE: 5" = 100'

LEGEND

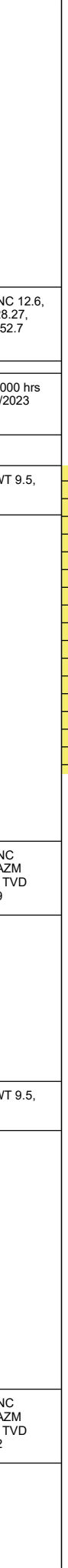
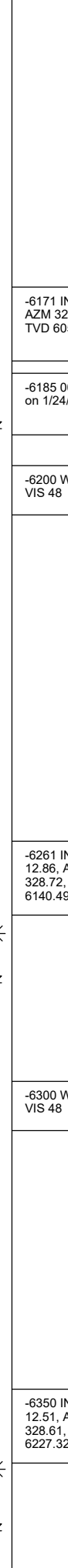
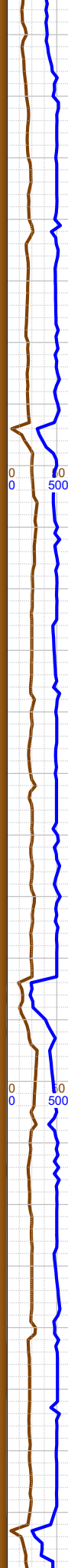
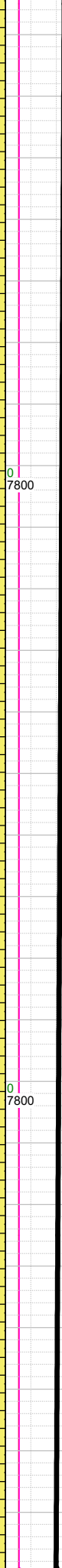
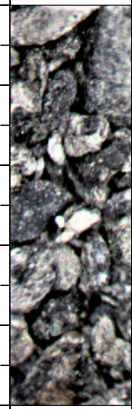
	CHALK		CALC SHALE
	LIMESTONE		SILTY SHALE
	SHALY LIMESTONE		SHALY SILTSTONE
	MARLSTONE		SHALY SANDSTONE
	CALCAREOUS SHALE		SANDSTONE
	DOLOMITE		ANHYDRITE

◀ FORMATION ≈ CONNECTION ▲ MIDNIGHT 🏠 NEW BIT ☀ GAS SHOW 🗲 FAULT

MEASURED DEPTH (FT)	PHOTOS	MUDLOGGER INTERP	GEOSTEERING INTERP		OIL SHOWS	GAS	MUD VOL. 800 bbl	ROF ft/hr 1000	WOB klbs 100	SLIDES	SYMBOLS	COMMENTS	CUTTINGS %	SAMPLE DESCRIPTION
			Target Top / Base											
			7800	TVD ft 0										
			0	GAMMA api 250	F < B									



-6130
-6140
-6150
-6160
-6170
-6180
-6190
-6200
-6210
-6220
-6230
-6240
-6250
-6260
-6270
-6280
-6290
-6300
-6310
-6320
-6330
-6340
-6350
-6360
-6370



-6171 INC 12.6,
AZM 328.27,
TVD 6052.7

-6185 0000 hrs
on 1/24/2023

-6200 WT 9.5,
VIS 48

-6250 SHLY SLTST: med-dk gy,
frm, blk-y-sb blk-y, gr-rthy, sl calc;
SHLY SS: lt-med gy, fri, f gr,
sbrnd-sbang, w srt, sl calc cmt;

-6261 INC
12.86, AZM
328.72, TVD
6140.49

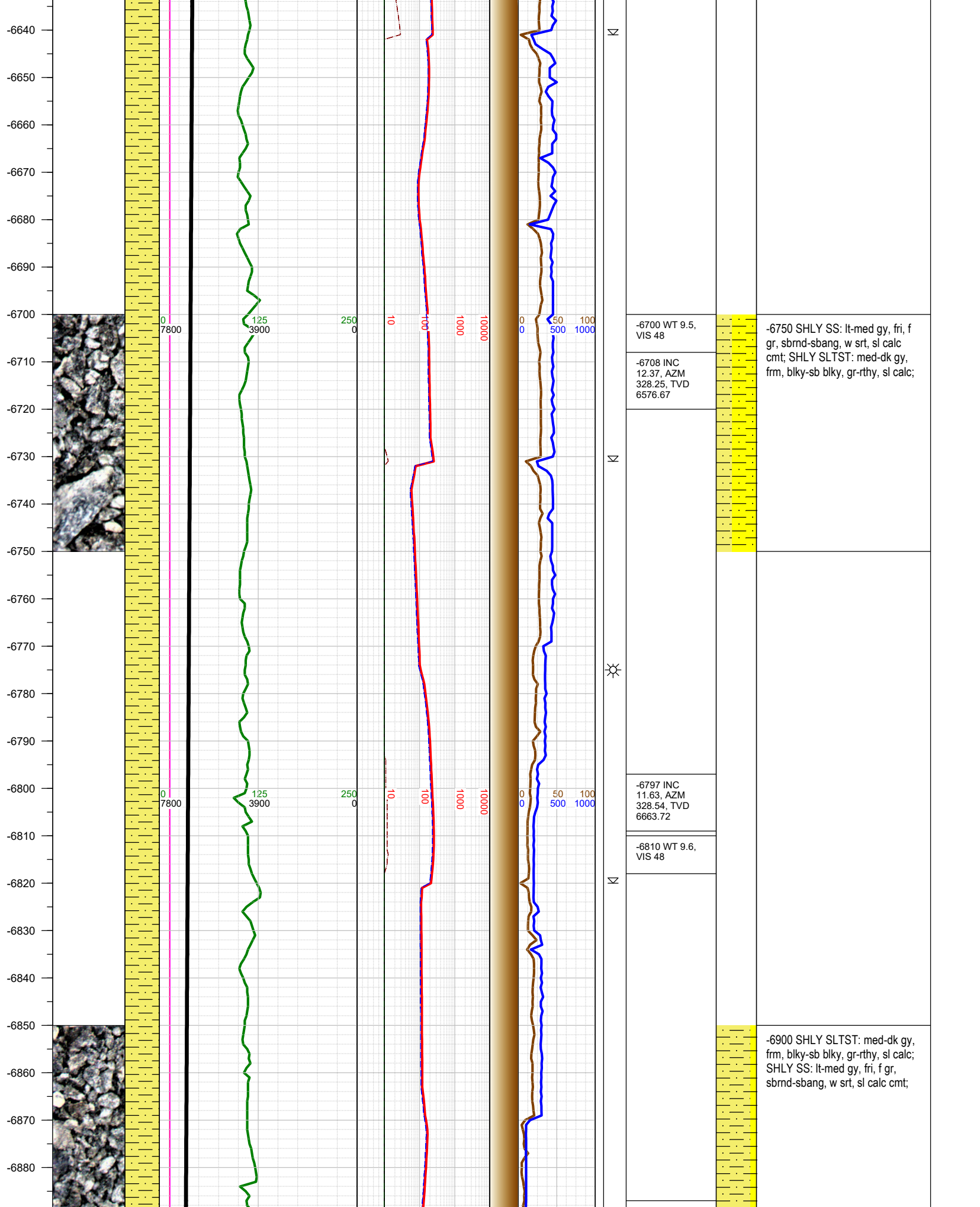
-6300 WT 9.5,
VIS 48

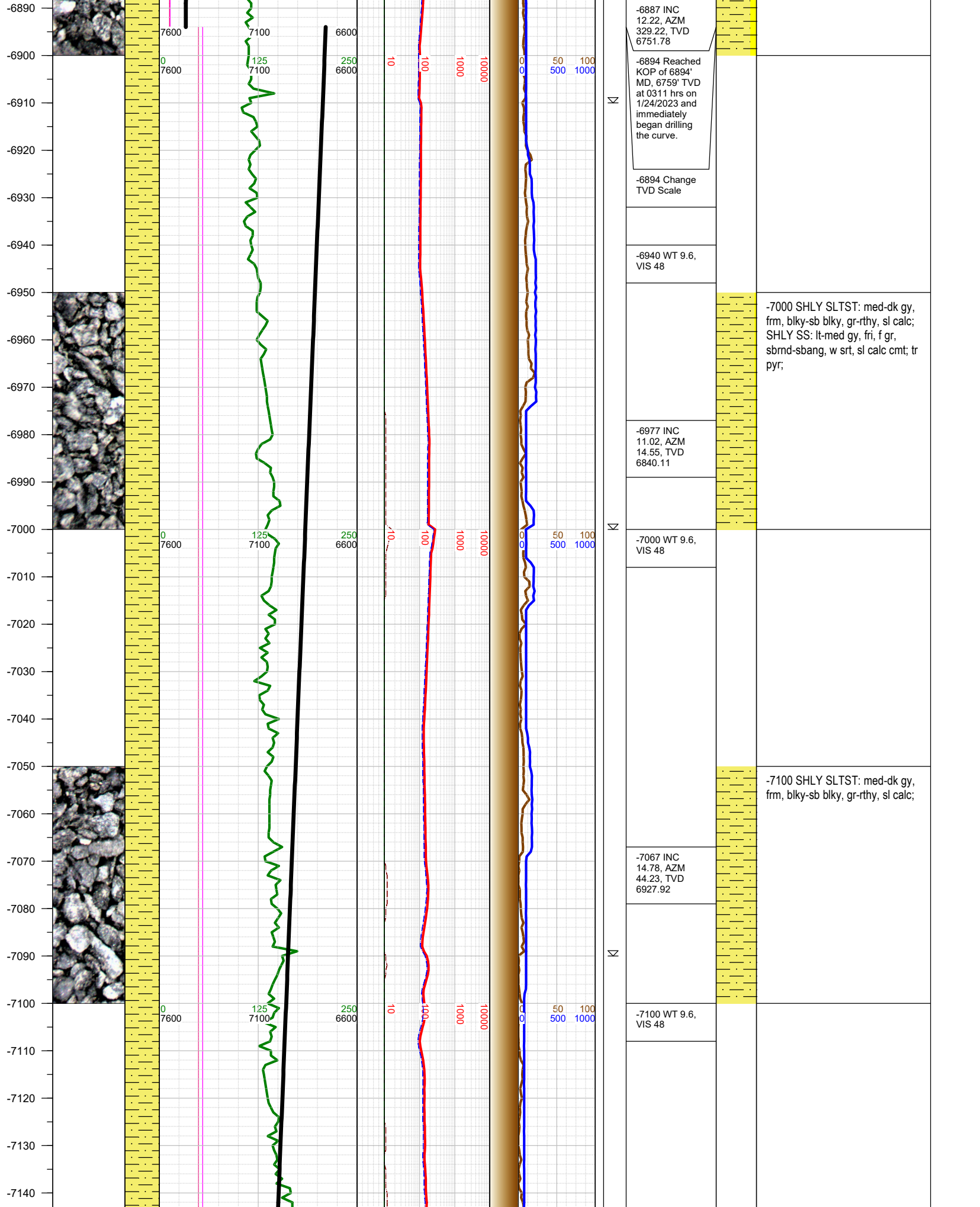
-6350 INC
12.51, AZM
328.61, TVD
6227.32

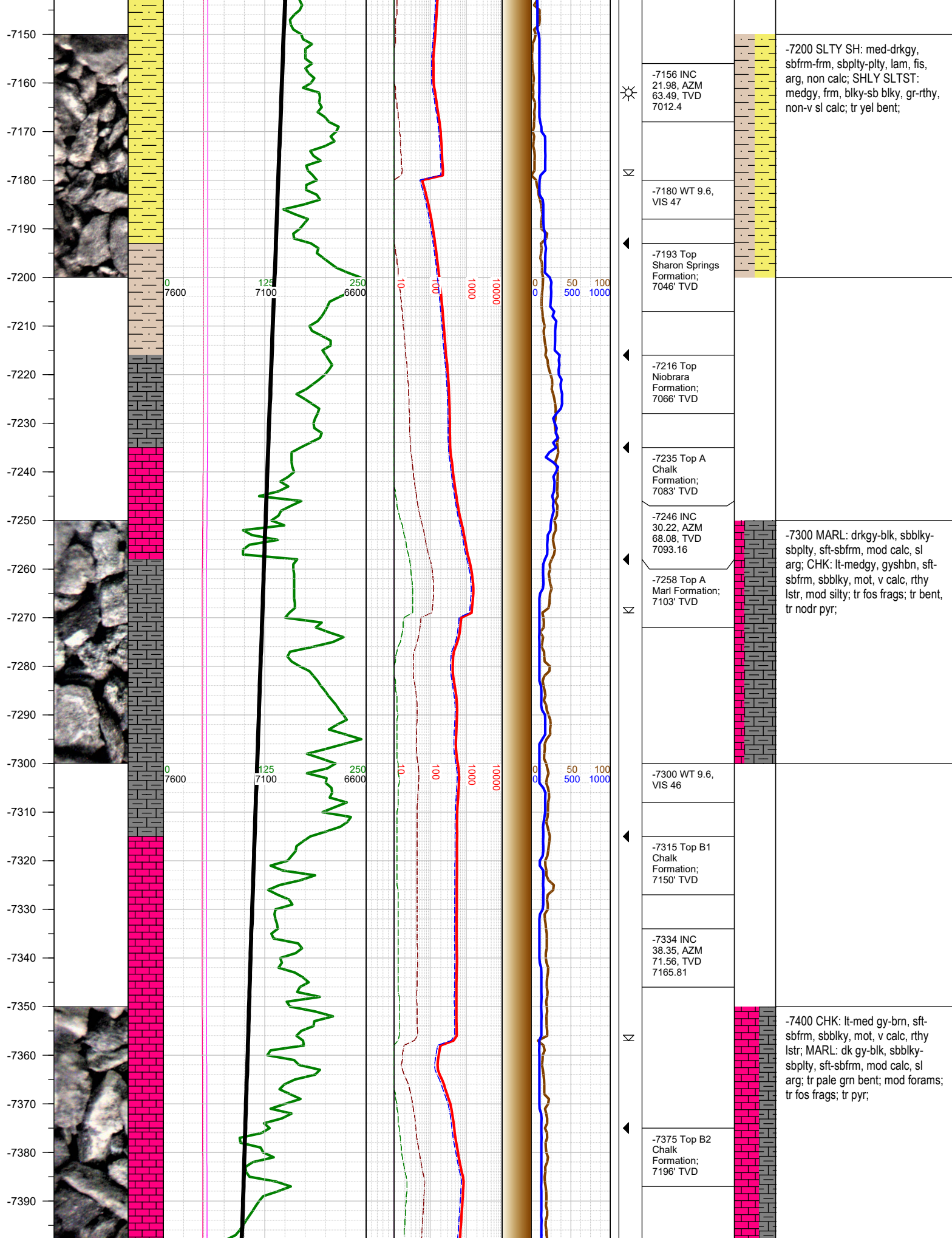
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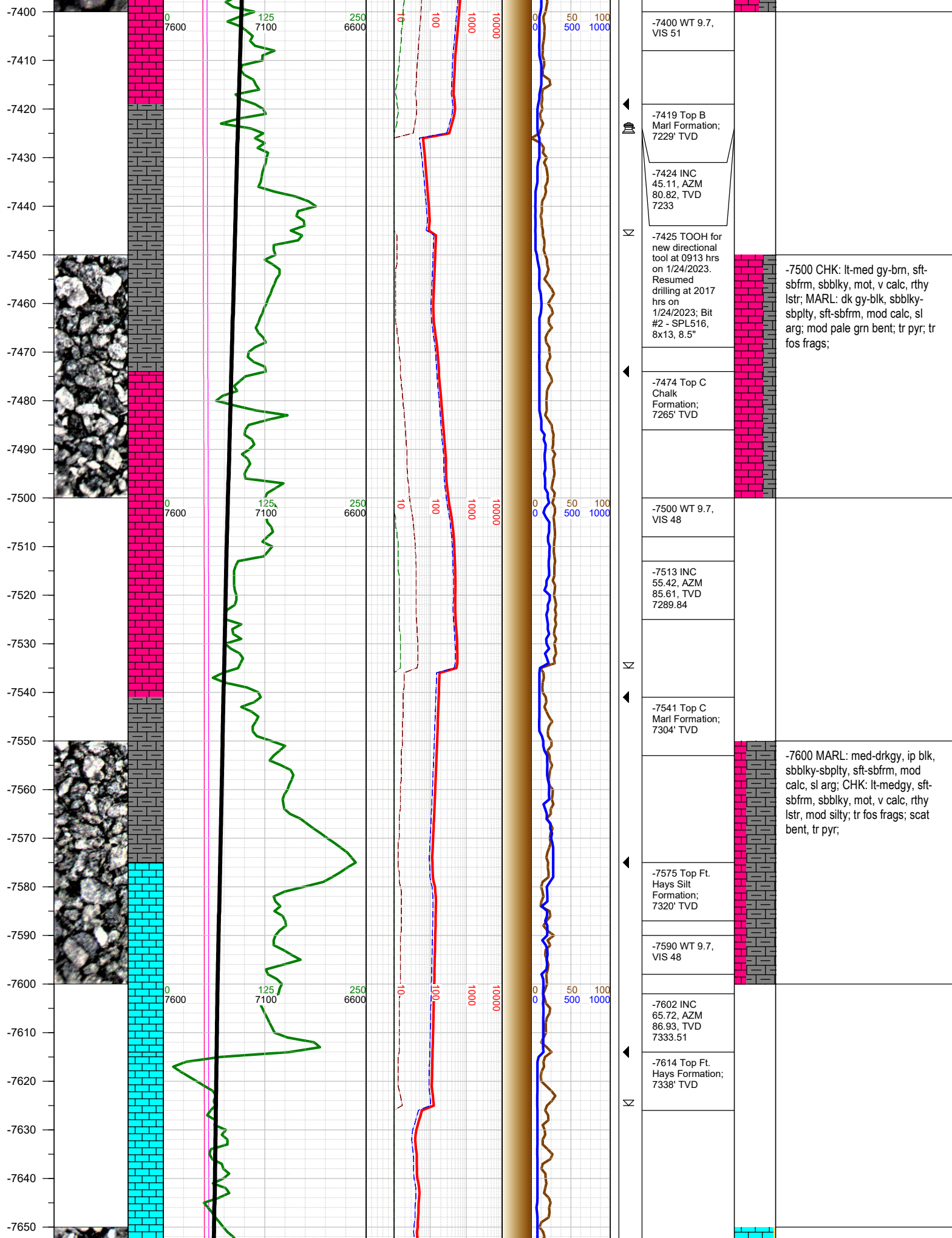
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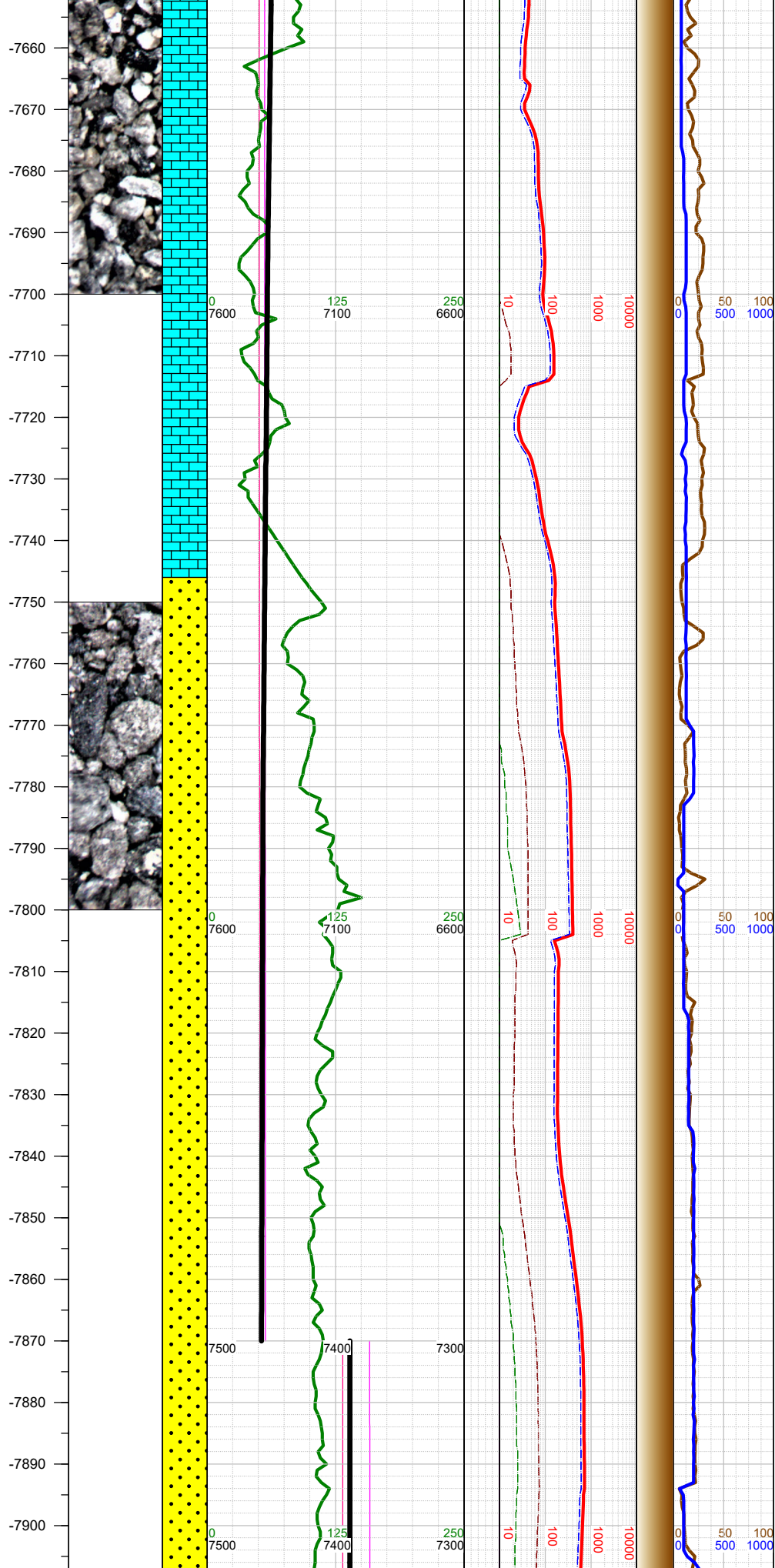
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-7700 LS: lt crm, lt gy, med brn, sbbkly-sbply, sl wxy, vcalc; SHLY SLT: med-drkgy, frm, blkly-sb blkly, gr-rthy, sl calc;

-7691 INC
74.39, AZM
90.84, TVD
7363.85

-7714 0000 hrs
on 1/25/2023

-7730 WT 9.7,
VIS 48

-7746 Top
Payzone -
Codell
Formation;
7375' TVD

-7800 SS: lt-medgy, lt-medbrn, ltgy-bf, vf-f gr sb ang-sb rd clus wi qtz, sil-arg cmt, frm-hd, mod-w srt, sl calc; SHLY SS: lt-medgy, brn-drkgy, fri, vfg, mod-w srt, sbang-sbrndt, sil-arg cmt, sl calc; SHLY SLT: med-drkgy, frm, blkly-sb blkly, gr-rthy, sl calc;

-7781 INC
81.63, AZM
92.07, TVD
7382.54

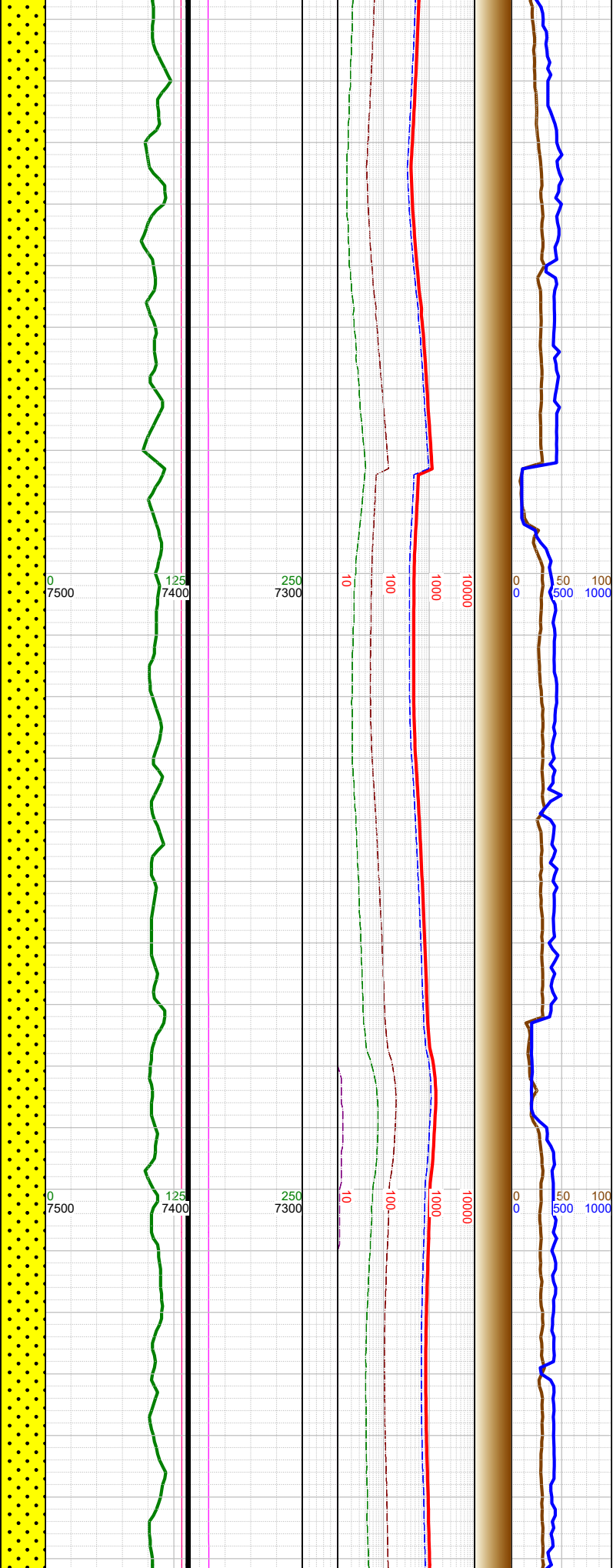
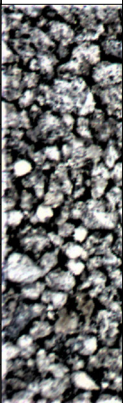
-7800 WT 9.7,
VIS 48

-7870 Reached
LP of 7870' MD,
7389' TVD at
0033 hrs on
1/25/2023 and
immediately
began drilling
the lateral.

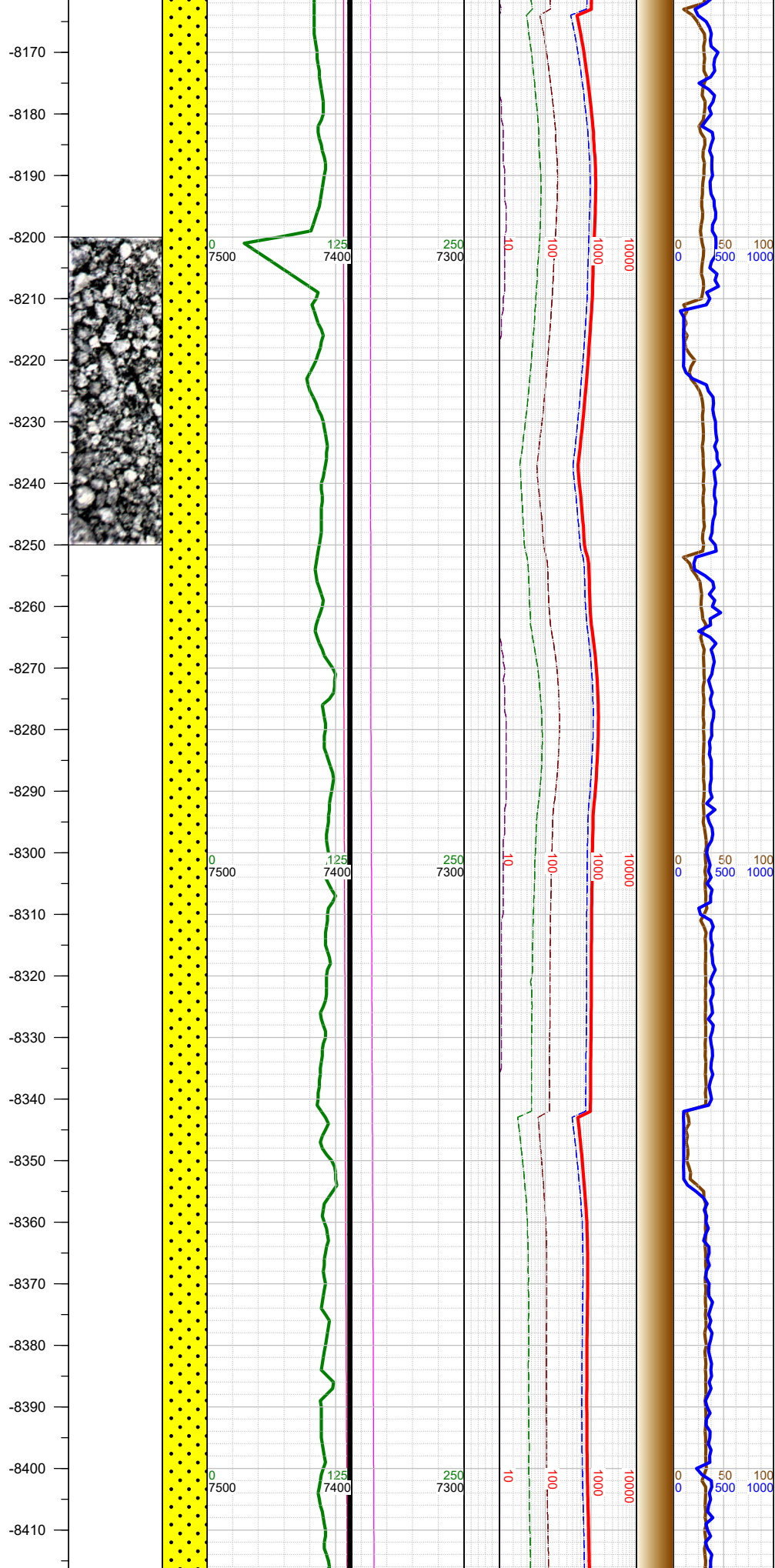
-7870 Change
TVD Scale

-7871 INC
90.25, AZM

-7910
-7920
-7930
-7940
-7950
-7960
-7970
-7980
-7990
-8000
-8010
-8020
-8030
-8040
-8050
-8060
-8070
-8080
-8090
-8100
-8110
-8120
-8130
-8140
-8150
-8160



91.51, TVD 7388.9	
-7920 WT 9.7, VIS 47	
-7960 INC 89.97, AZM 89.22, TVD 7388.73	-8000 SS: lt-medgy, lt-medbrn, ip wh-bf, vf-f gr sb ang-sb rd clus, mod amt med qtz clus wi abnt lse qtz grns, sil-arg cmt, frm-hd, mod srt, v sl calc; SHLY SS: lt- medgy, brn-drkgy, fri, vfg, mod-w srt, sbang-sbrndt, sil-arg cmt, v sl calc; SHLY SLT: med-drkgy, frm, blk-y-sb blk-y, gr-rthy, sl calc;
-8000 WT 9.7, VIS 47	
-8050 INC 89.94, AZM 89.07, TVD 7388.8	
-8100 WT 9.7, VIS 47	
-8140 INC 89.97, AZM 89.81, TVD 7388.88	



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-8200 WT 9.7,
VIS 47

-8229 INC
89.94, AZM
89.42, TVD
7388.94

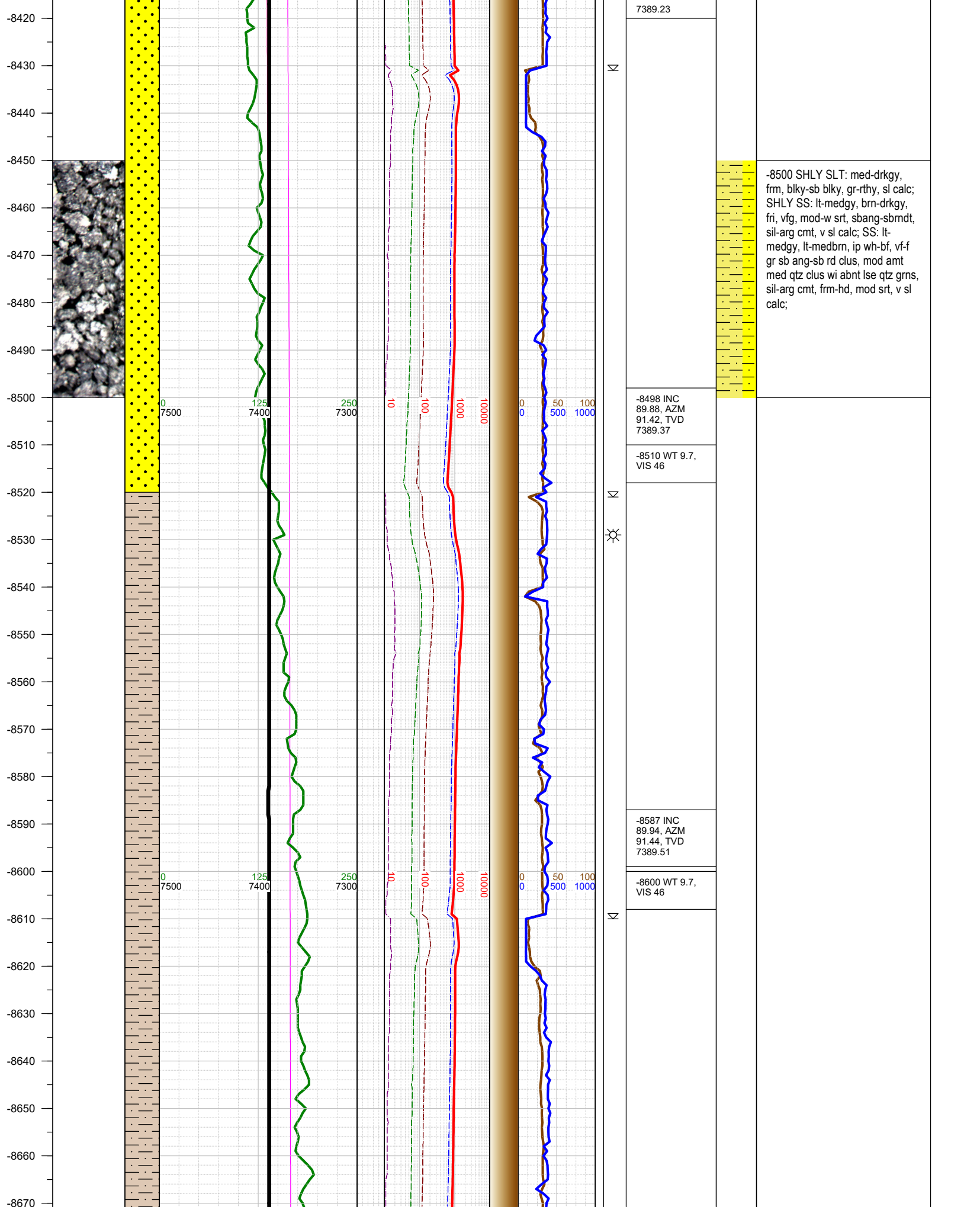
-8300 WT 9.7,
VIS 47

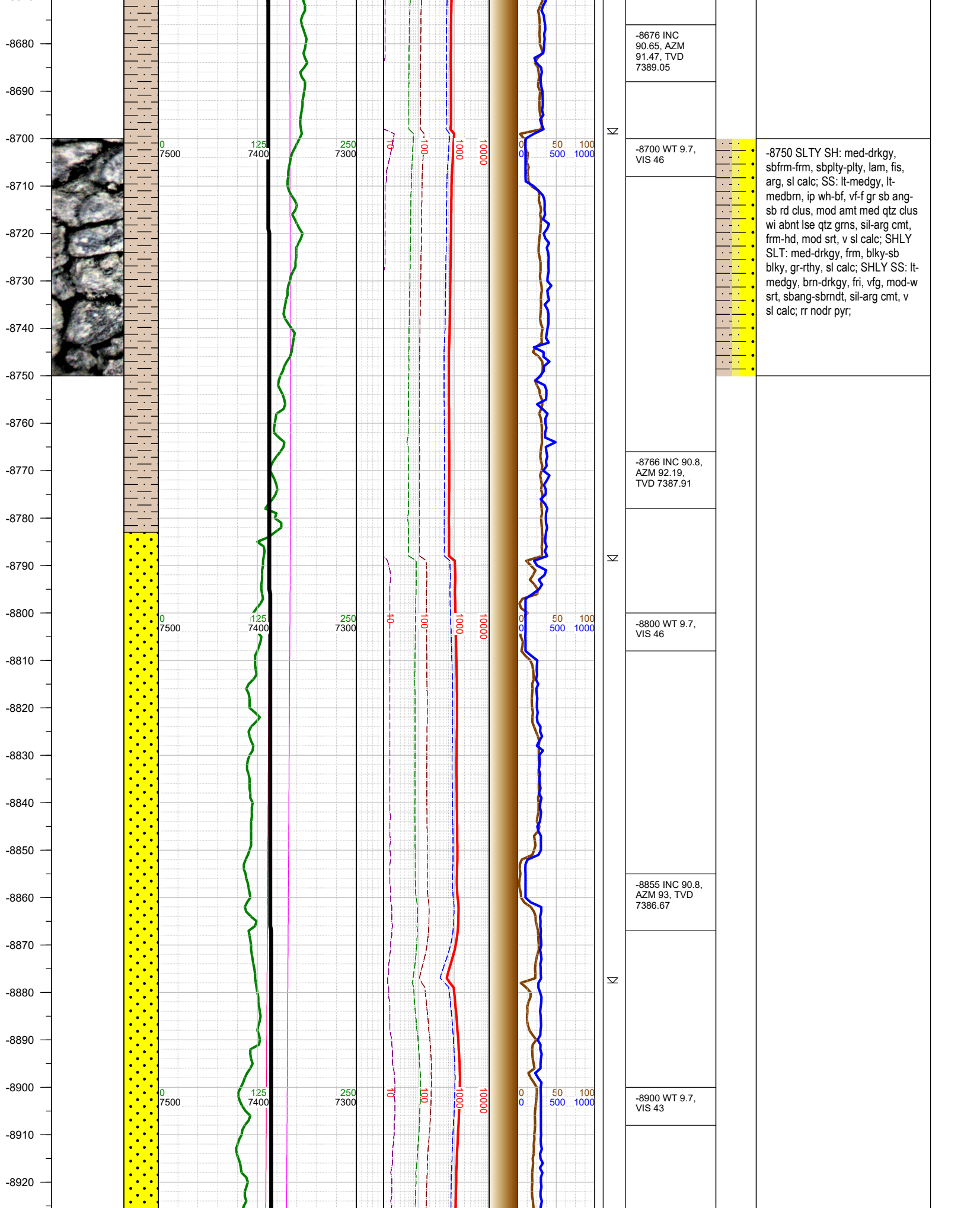
-8319 INC
89.88, AZM
91.09, TVD
7389.09

-8400 WT 9.7,
VIS 46

-8408 INC
89.94, AZM
91.19, TVD

-8250 SS: lt-medgy, lt-medbrn, ip
wh-bf, vf-f gr sb ang-sb rd clus,
mod amt med qtz clus wi abnt lse
qtz grns, sil-arg cmt, frm-hd,
mod srt, v sl calc; SHLY SS: lt-
medgy, brn-drkgy, fri, vfg, mod-w
srt, sbang-sbrndt, sil-arg cmt, v
sl calc; SHLY SLT: med-drkgy,
frm, blk-sb blk, gr-rthy, sl calc;





-8676 INC
90.65, AZM
91.47, TVD
7389.05

-8700 WT 9.7,
VIS 46

-8766 INC 90.8,
AZM 92.19,
TVD 7387.91

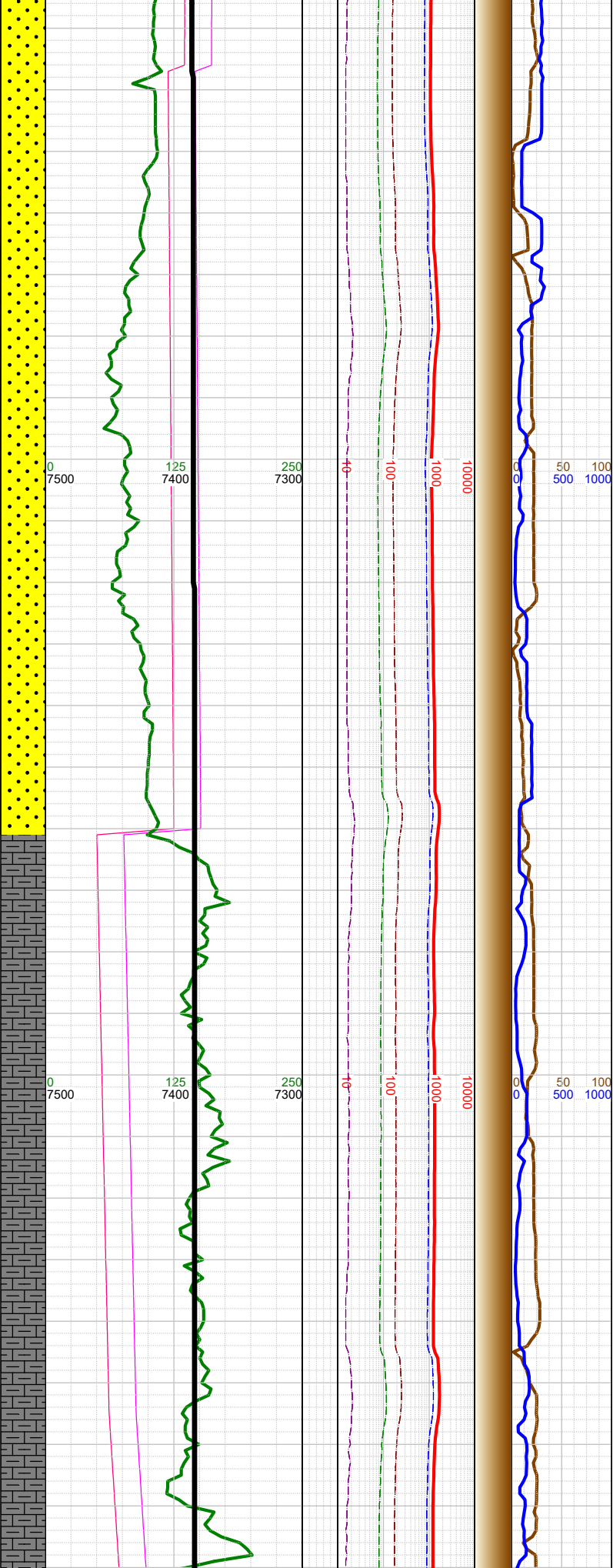
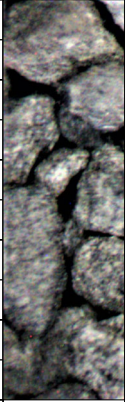
-8800 WT 9.7,
VIS 46





-8855 INC 90.8,
AZM 93, TVD
7386.67

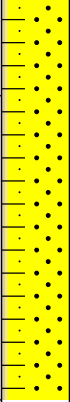
-8900 WT 9.7,
VIS 43

-8750 SLTY SH: med-drkgy, sbfrm-frm, sbply-pty, lam, fis, arg, sl calc; SS: lt-medgy, lt-medbrn, ip wh-bf, vf-f gr sb ang-sb rd clus, mod amt med qtz clus wi abnt lse qtz grns, sil-arg cmt, frm-hd, mod srt, v sl calc; SHLY SLT: med-drkgy, frm, blk-y-sb blk-y, gr-rthy, sl calc; SHLY SS: lt-medgy, brn-drkgy, fri, vfg, mod-w srt, sbang-sbrmdt, sil-arg cmt, v sl calc; rr nodr pyr;

-8930
-8940
-8950
-8960
-8970
-8980
-8990
-9000
-9010
-9020
-9030
-9040
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-9070
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-9090
-9100
-9110
-9120
-9130
-9140
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-9160
-9170
-9180



 -8937 Fault: 13' down-throw; stayed in Codell
 -8944 INC 90.83, AZM 91.7, TVD 7385.4

 -9061 Fault: 60' down-throw; went from Codell to C Marl




-9000 SS: lt-medgy, lt-medbrn, ip wh-bf, vf-f gr sb ang-sb rd clus, mod amt med qtz clus wi abnt lse qtz grns, sil-arg cmt, frm-hd, mod srt, sl calc; SHLY SS: lt-medgy, brn-drkgy, fri, vfg, mod-w srt, sbang-sbrndt, sil-arg cmt, sl calc; SLTY SH: med-drkgy, sbfrm-frm, sbply-pty, lam, fis, arg, sl calc; SHLY SLT: med-drkgy, frm, blk-sb blk, gr-rthy, sl calc; tr pyr nods;

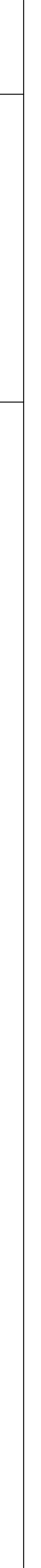
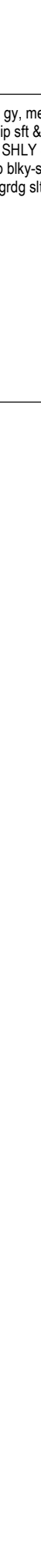
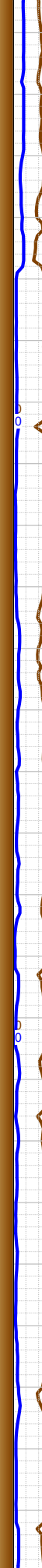
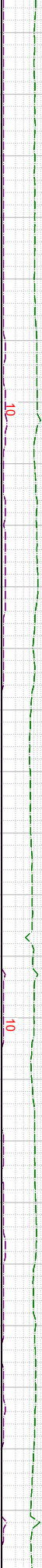
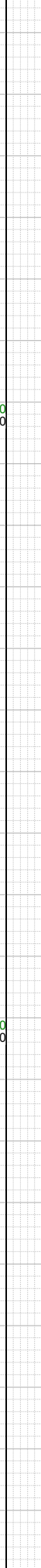
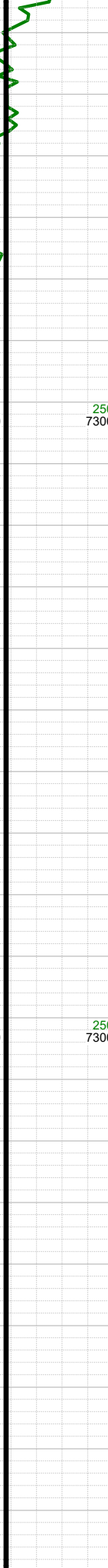
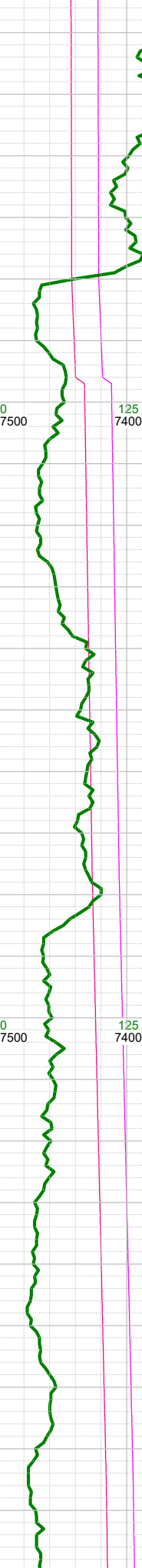
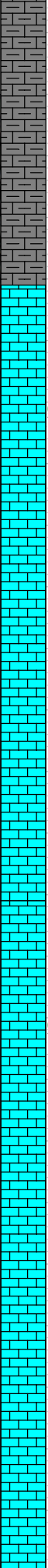
-9000 WT 9.7, VIS 47

-9033 INC 90.52, AZM 90.96, TVD 7384.35

-9100 WT 9.7, VIS 48

-9122 INC 90.22, AZM 91.43, TVD 7383.78

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-9660
-9670
-9680



-9500 LS: lt crm, lt gy, med bm, sbblky-sbply, frm-ip sft & grdg chk, sl wxy, vcalc; SHLY SLT: med-drkgy, frm, sb blk-sb ply, gr-rthy, mod calc, grdg silty sh;

-9481 INC
90.12, AZM
91.74, TVD
7383.84

-9497 Fault: 7'
up-throw; stayed
in Ft. Hays Silt

-9510 WT 9.7,
VIS 46

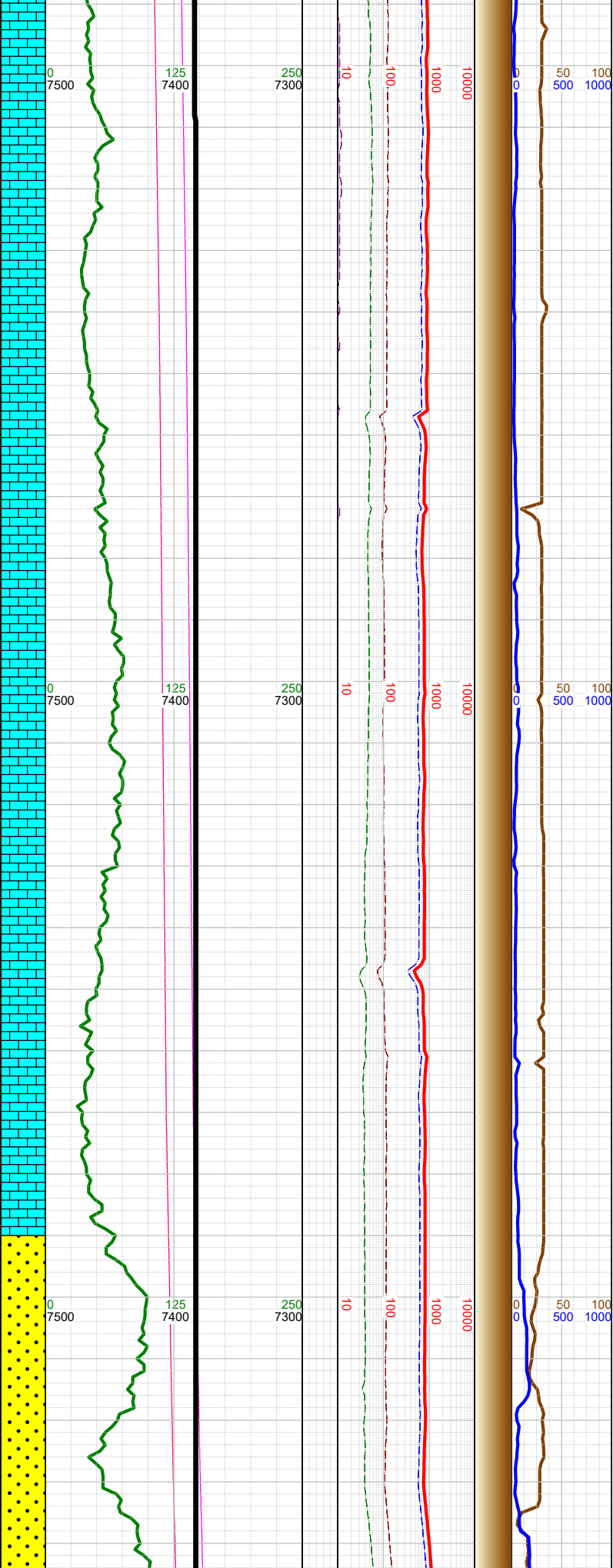
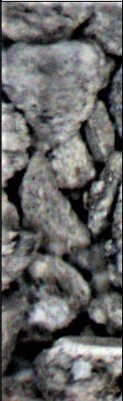
-9570 INC
90.18, AZM
93.31, TVD
7383.61

-9604 0000 hrs
on 1/26/2023

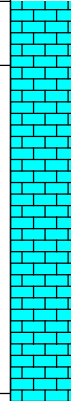
-9620 WT 9.7,
VIS 47

-9660 INC
89.94, AZM
94.05, TVD
7383.51

-9690
-9700
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-9700 WT 9.7,
VIS 46



-9750 LS: crm, ltgy, med brn,
sbbiky-sbply, frm-ip sft & grdg
chk, sl wxy, vcalc; SHLY SLT:
med-drkgy, frm, sb biky-sb ply,
gr-rthy, mod calc, ip grdg mrl;

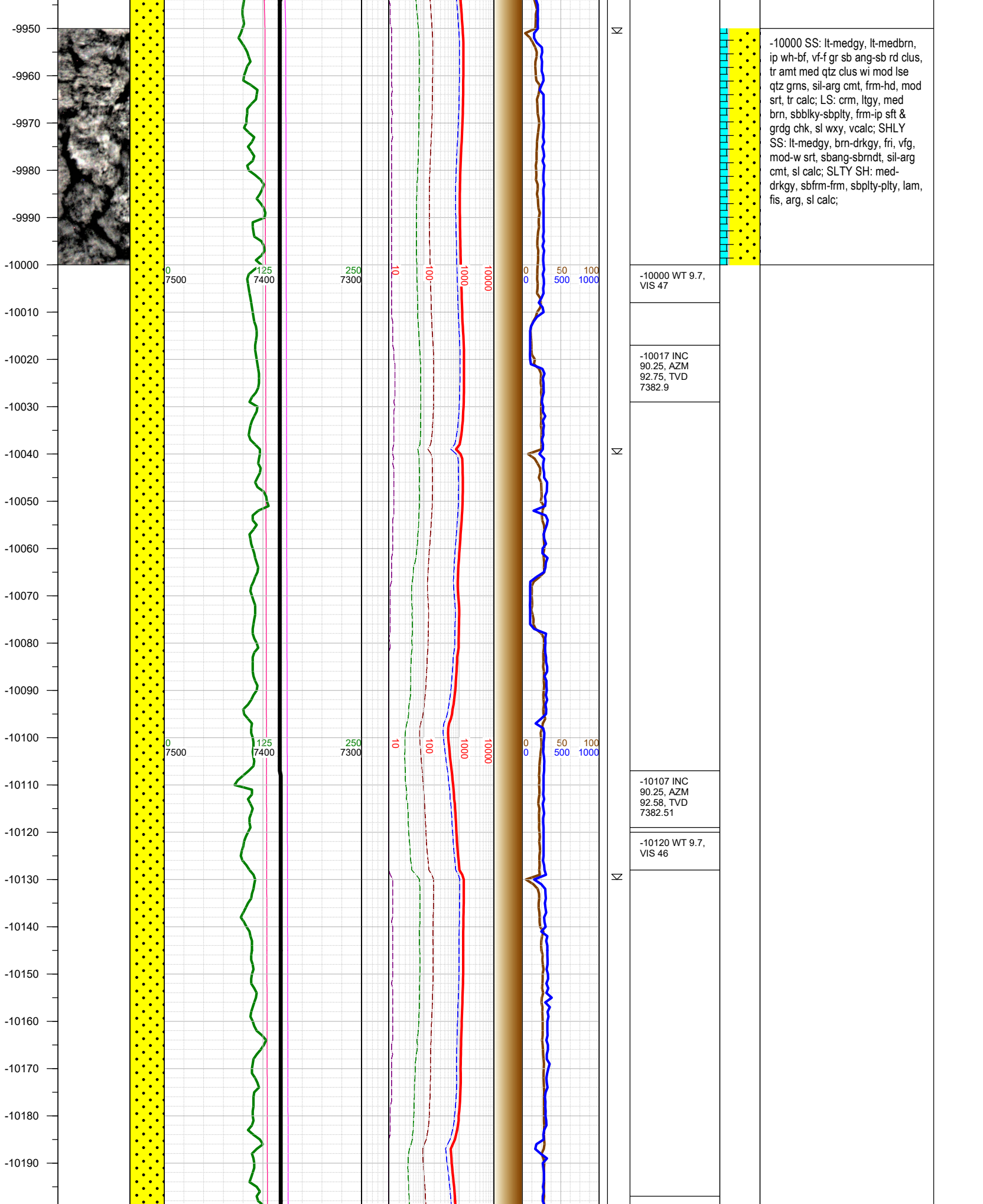
-9749 INC
90.09, AZM
92.31, TVD
7383.49

-9800 WT 9.7,
VIS 48

-9839 INC
90.06, AZM
90.74, TVD
7383.37

-9900 WT 9.7,
VIS 47

-9928 INC
90.15, AZM
91.42, TVD
7383.21



-10000 SS: lt-medgy, lt-medbrn, ip wh-bf, vf-f gr sb ang-sb rd clus, tr amt med qtz clus wi mod lse qtz grns, sil-arg cmt, frm-hd, mod srt, tr calc; LS: crm, ltgy, med brn, sbblky-sbply, frm-ip sft & grdg chk, sl wxy, vcalc; SHLY SS: lt-medgy, brn-drkgy, fri, vfg, mod-w srt, sbang-sbrndt, sil-arg cmt, sl calc; SLTY SH: med-drkgy, sbfrm-frm, sbply-pty, lam, fis, arg, sl calc;

-10000 WT 9.7, VIS 47

-10017 INC 90.25, AZM 92.75, TVD 7382.9

-10107 INC 90.25, AZM 92.58, TVD 7382.51

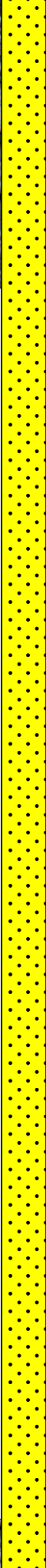
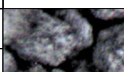
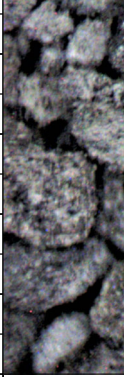
-10120 WT 9.7, VIS 46

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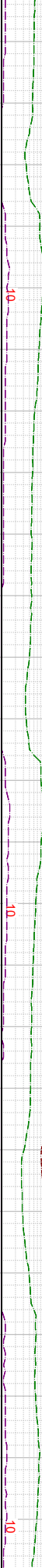
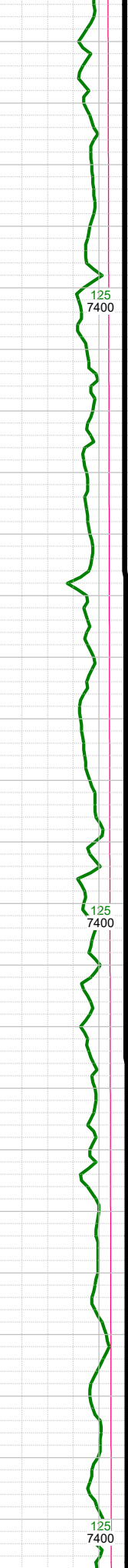
0 7500 125 7400 250 7300 10 100 1000 10000 0 50 100 0 500 1000

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-10460
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-10670
-10680
-10690
-10700



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125 7400
250 7300



0 50 100
0 500 1000
0 500 1000
0 500 1000

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-10465 INC
90.4, AZM
90.36, TVD
7380.36

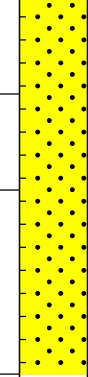
-10500 WT 9.7,
VIS 47

-10554 INC
90.8, AZM
91.61, TVD
7379.42

-10600 WT 9.7,
VIS 47

-10644 INC
90.68, AZM
91.57, TVD
7378.26

-10700 WT 9.7,
VIS 48

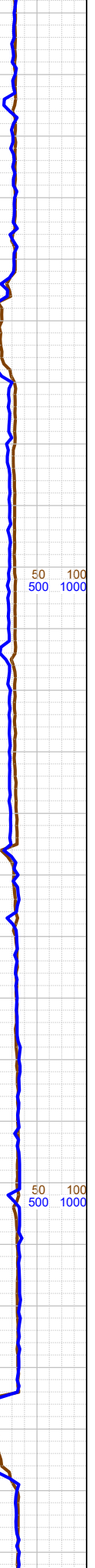
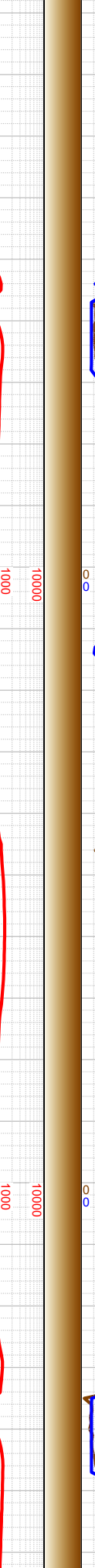
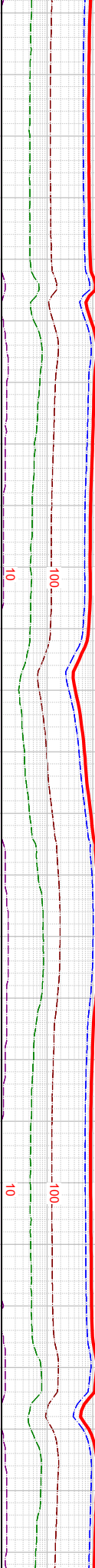
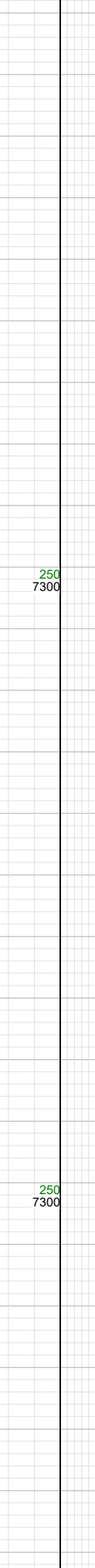
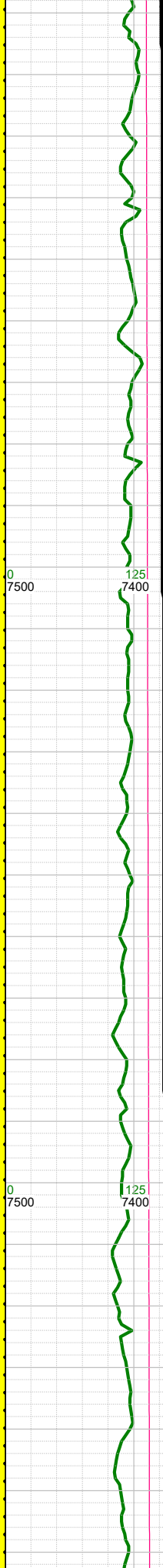
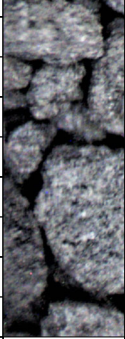


ip wh-bf, clr-vit, vf-fgr sb ang-sb
rd clus, tr lse qtz, sil-arg cmt, frm-
hd, mod srt, tr calc; SHLY SS: lt-
medgy, brn-drkgy, fri, vfg, mod-w
srt, sbang-sbrndt, sil-arg cmt, sl
calc; tr nodr py;



-10750 SS: lt-medgy, lt-medbrn,
ip wh-bf, clr-vit, vf-fgr sb ang-sb

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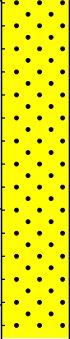
-10734 INC
90.55, AZM
90.55, TVD
7377.3

-10800 WT 9.7,
VIS 48

-10823 INC
90.74, AZM
90.45, TVD
7376.29

-10900 WT 9.8,
VIS 47

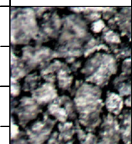
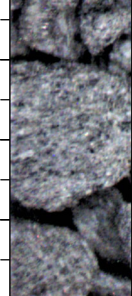
-10912 INC
90.71, AZM
90.52, TVD
7375.17



rnd clus, tr lse qtz, sil-arg cmt,
frm-hd, mod srt, sl calc; SHLY
SS: lt-medgy, brn-drkgy, fri, vfg,
mod-w srt, sb ang-sb rnd, sil-arg
cmt, sl calc; tr nodr pyr;

-11000 SS: lt-medgy, lt-medbrn,
ip wh-bf, clr-vit, vf-fgr sb ang-sb
rnd clus, tr lse qtz, sil-arg cmt,
frm-hd, mod srt, sl calc; SHLY

-10970
-10980
-10990
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0 125 250 10 100 1000 10000 0 50 100 500 1000

7500 7400 7300

0 125 250 10 100 1000 10000 0 50 100 500 1000

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7500 7400 7300

0 125 250 10 100 1000 10000 0 50 100 500 1000

7500 7400 7300

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7500 7400 7300



SS: lt-medgy, brn-drkgy, fri, vfg, mod-w srt, sb ang-sb rnd, sil-arg cmt, sl calc; SHLY SLT: med-drkgy, frm, sb blk-sb plty, gr-rthy, mod calc;

-11002 INC 90.52, AZM 90.3, TVD 7374.2

-11020 WT 9.8, VIS 47

-11091 INC 90.74, AZM 91.5, TVD 7373.22

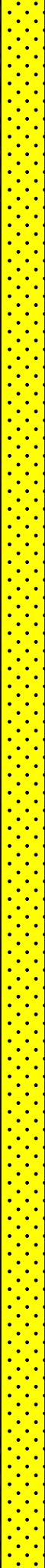
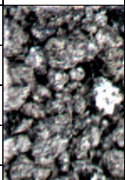
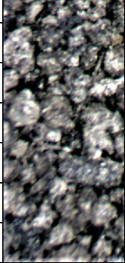
-11110 WT 9.8, VIS 47

-11180 INC 90.68, AZM 91, TVD 7372.12

-11200 WT 9.8, VIS 47

-11250 SS: lt-medgy, lt-medbrn, ip wh-bf, clr-vit, vf-fgr sb ang-sb rnd clus, tr lse qtz, sil-arg cmt, frm-hd, mod srt, sl calc; SHLY SS: lt-medgy, brn-drkgy, fri, vfg,

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-11470



mod-w srt, sb ang-sb rd, sil-arg
cmt, sl calc; SHLY SLT: med-
drkgy, frm, sb blk-sb plty, gr-
rthy, mod calc;

-11270 INC
90.71, AZM
90.44, TVD
7371.03

-11300 WT 9.8,
VIS 47

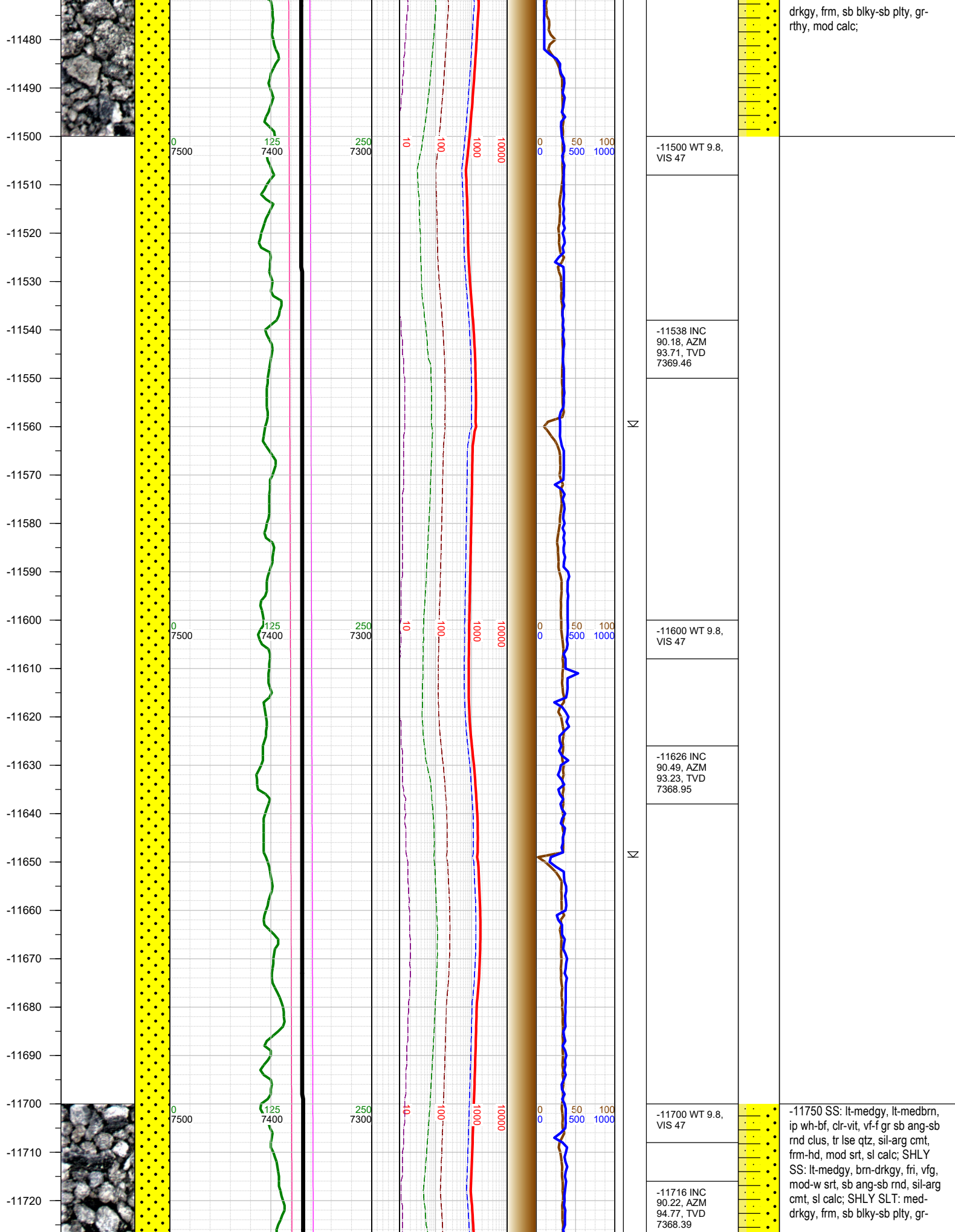
-11359 INC
90.34, AZM
93.99, TVD
7370.21

-11400 WT 9.8,
VIS 47

-11448 INC
90.22, AZM
92.74, TVD
7369.78



-11500 SS: lt-medgy, lt-medbrn,
ip wh-bf, clr-vit, vf-fgr sb ang-sb
rnd clus, tr lse qtz, sil-arg cmt,
frm-hd, mod srt, sl calc; SHLY
SS: lt-medgy, brn-drkgy, fri, vfg,
mod-w srt, sb ang-sb rnd, sil-arg
cmt, sl calc; SHLY SLT: med-



drkgy, frm, sb blkly-sb plty, grthy, mod calc;

-11500 WT 9.8, VIS 47

-11538 INC 90.18, AZM 93.71, TVD 7369.46

-11600 WT 9.8, VIS 47

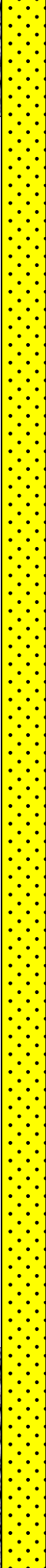
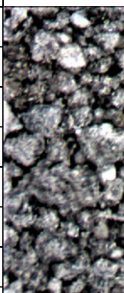
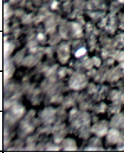
-11626 INC 90.49, AZM 93.23, TVD 7368.95

-11700 WT 9.8, VIS 47

-11716 INC 90.22, AZM 94.77, TVD 7368.39

-11750 SS: lt-medgy, lt-medbrn, ip wh-bf, clr-vit, vf-f gr sb ang-sb rnd clus, tr lse qtz, sil-arg cmt, frm-hd, mod srt, sl calc; SHLY SS: lt-medgy, brn-drkgy, fri, vfg, mod-w srt, sb ang-sb rnd, sil-arg cmt, sl calc; SHLY SLT: med-drkgy, frm, sb blkly-sb plty, gr-

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-11983 INC
89.97, AZM
91.36, TVD
7367.33

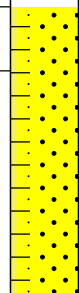
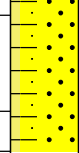
-12000 WT 9.8,
VIS 47

-12073 INC
89.94, AZM
90.54, TVD
7367.4

-12100 WT 9.8,
VIS 46

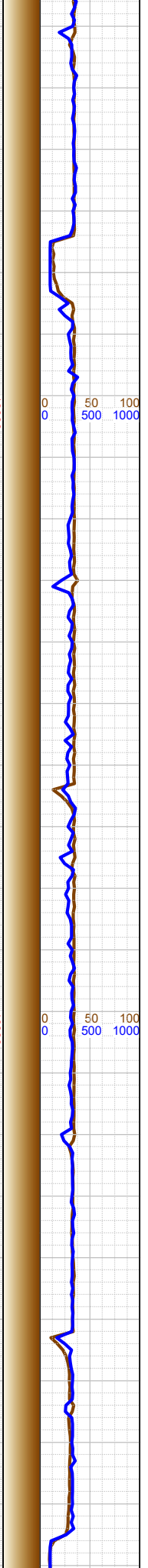
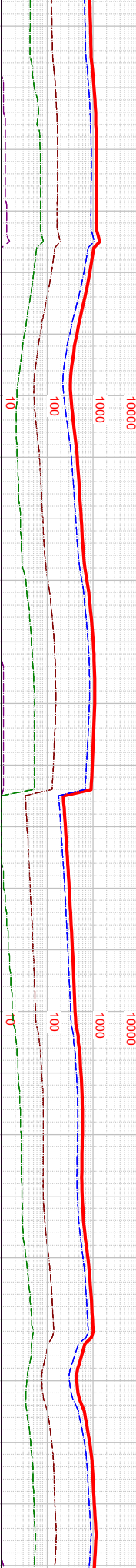
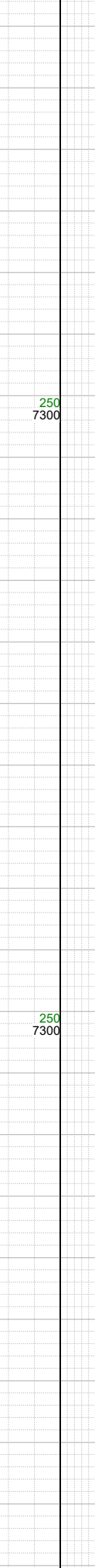
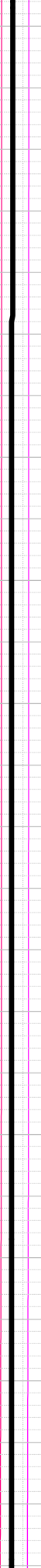
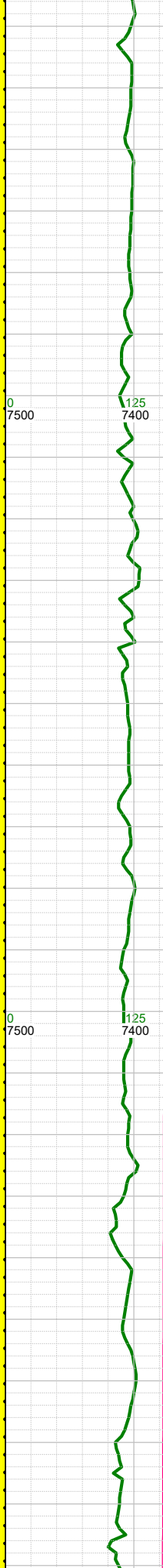
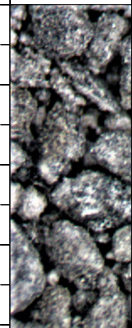
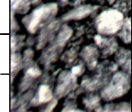
-12162 INC
89.69, AZM
91.94, TVD
7367.69

-12200 WT 9.8,
VIS 46



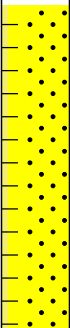
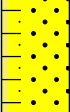
-12250 SS: lt-medgy, lt-medbrn,
ip wh-bf, clr-vit, vf-f gr sb ang-sb
rnd clus, tr lse qtz, sil-arg cmt,
frm-hd, mod srt, sl calc; SHLY
SS: lt-medgy, brn-drkgy, fri, vfg,
mod-w srt, sb ang-sb rnd, sil-arg
cmt, sl calc; SHLY SLT: med-
drkgy, frm, sb blkgy-sb plty, gr-
rthy, mod calc, tr pyr;

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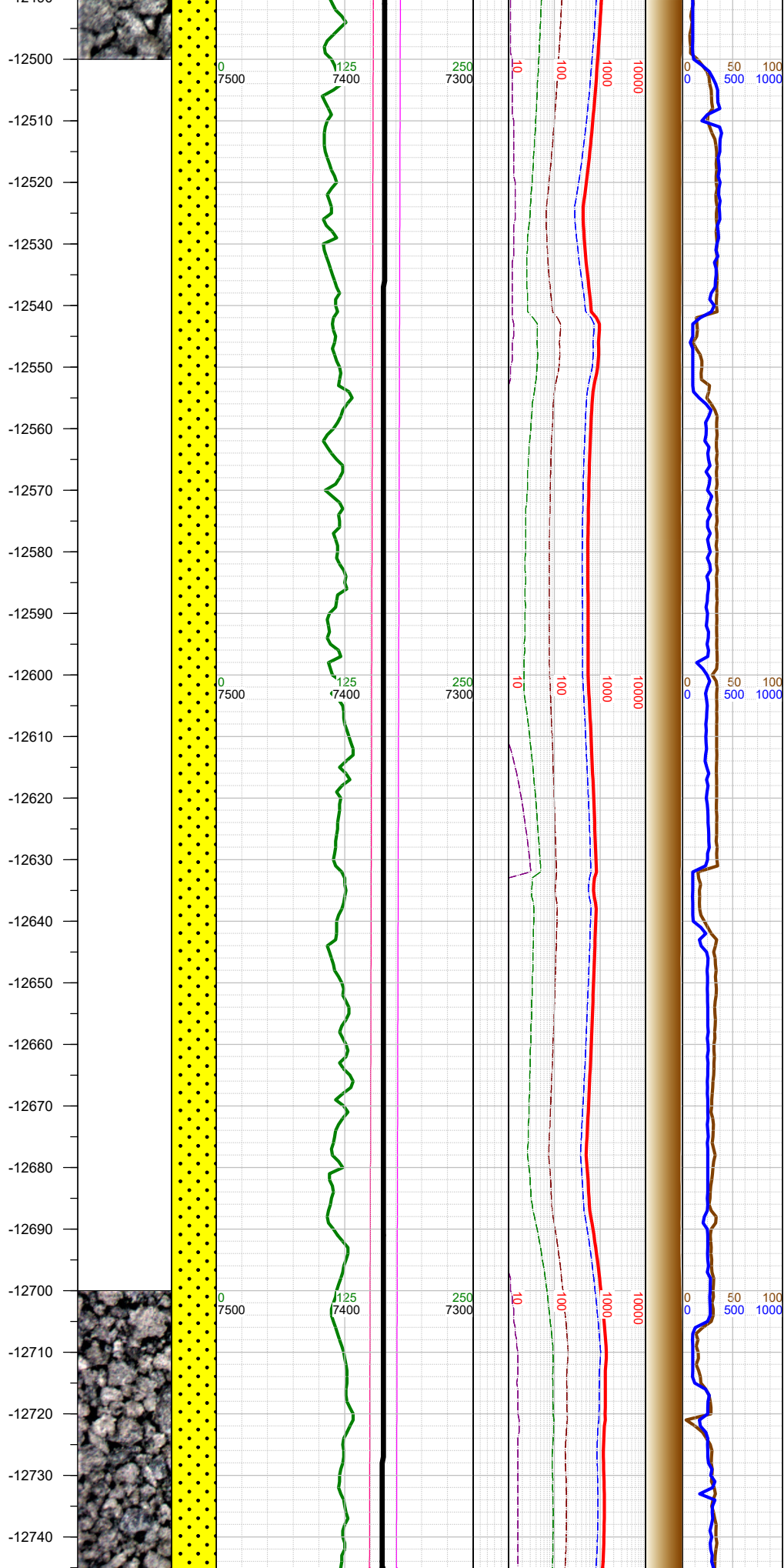


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-12252 INC 89.54, AZM 90.9, TVD 7368.29
-12300 WT 9.8, VIS 48
-12341 INC 89.78, AZM 90.98, TVD 7368.82
-12400 WT 9.8, VIS 48
-12430 INC 89.94, AZM 92.34, TVD 7369.04



-12500 SS: lt-medgy, lt-medbrn,
ip wh-bf, clr-vit, vf-f gr sb ang-sb
rnd clus, tr lse qtz, sil-arg cmt,
frm-hd, mod srt, sl calc; SHLY
SS: lt-medgy, brn-drkgy, fri, vfg,
mod-w srt, sb ang-sb rnd, sil-arg
cmt, sl calc; SHLY SLT: med-
drkgy, frm, sb blkgy-sb plty, gr-
rthy, mod calc, tr pyr;



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-12491 0000 hrs
on 1/27/2023

-12510 WT 9.8,
VIS 48

-12519 INC
89.6, AZM
93.12, TVD
7369.39

-12600 WT 9.8,
VIS 49

-12609 INC
89.72, AZM
90.71, TVD
7369.93

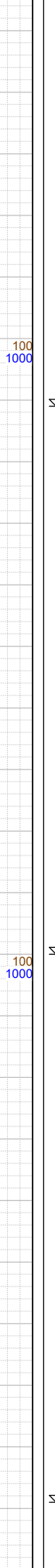
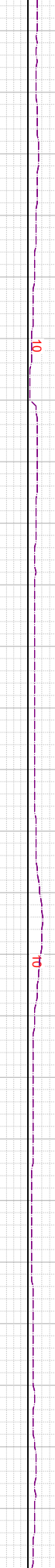
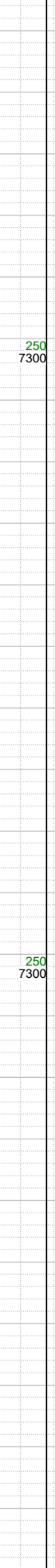
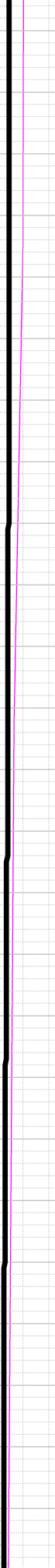
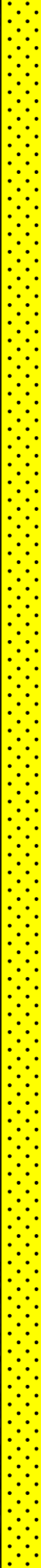
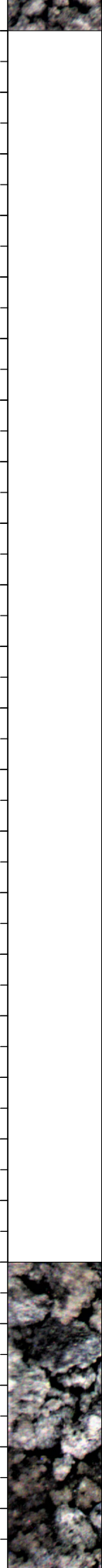
-12698 INC
89.72, AZM
91.95, TVD
7370.36

-12710 WT 9.8,
VIS 49



-12750 SS: lt-medgy, lt-medbrn,
ip wh-bf, clr-vit, vf-f gr sb ang-sb
rnd clus, tr lse qtz, sil-arg cmt,
frm-hd, mod srt, sl calc; SHLY
SS: lt-medgy, brn-drkgy, fri, vfg,
mod-w srt, sb ang-sb rnd, sil-arg
cmt, sl calc; SHLY SLT: med-
drkgy, frm, sb blk-sb plty, gr-
rthy, mod calc, tr pyr;

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-12788 INC
89.75, AZM
92.85, TVD
7370.78

-12800 WT 9.8,
VIS 49

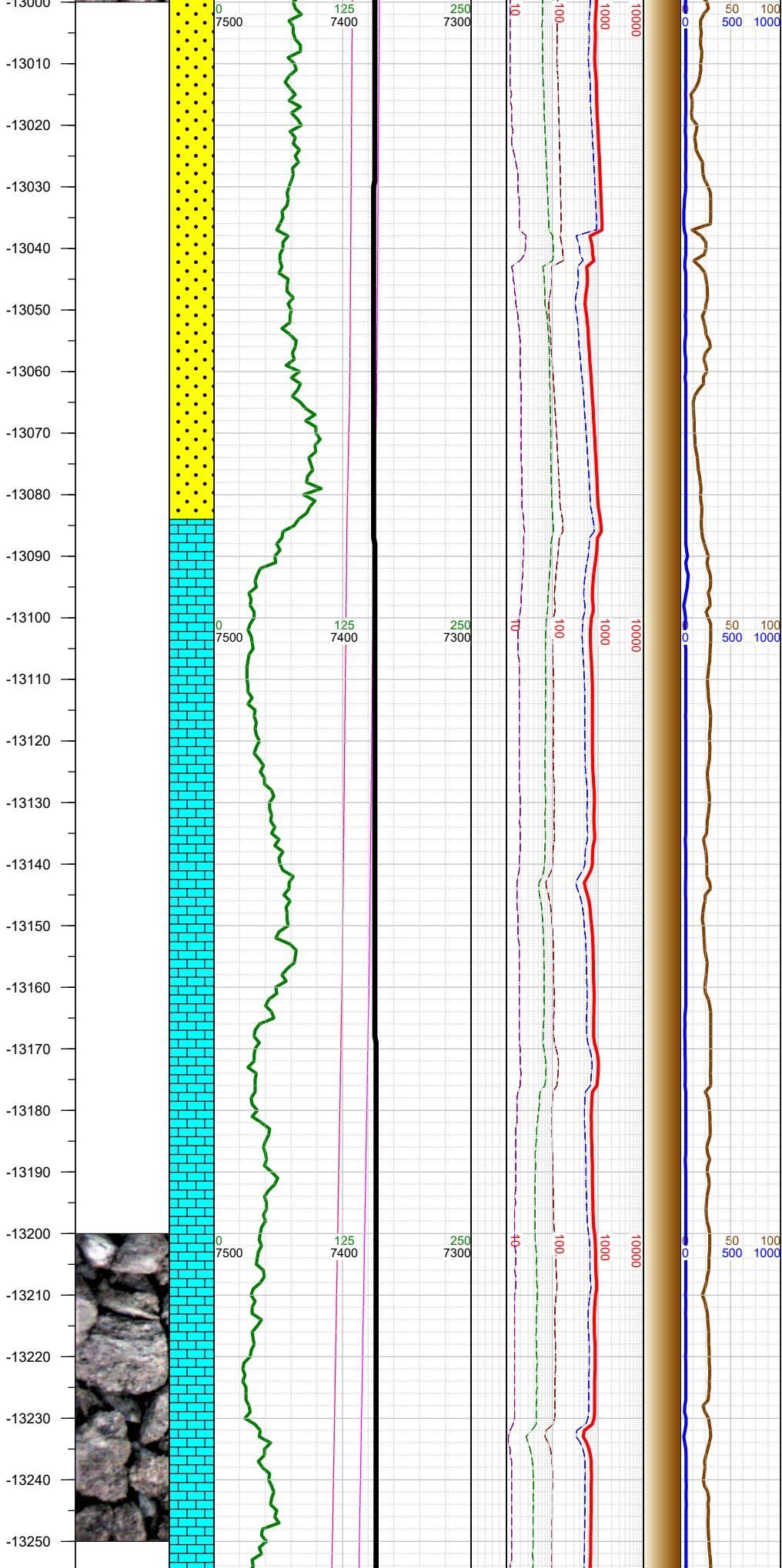
-12877 INC
88.31, AZM
89.89, TVD
7372.29

-12900 WT 9.8,
VIS 49

-12966 INC
88.25, AZM
84.05, TVD
7374.96



-13000 SS: lt-medgy, lt-medbrn,
ip wh-bf, vf-f gr sb ang-sb rd clus,
tr amt sml qtz clus wi abnt lse
qtz grns, sil-arg cmt, frm-hd, mod
srt, sl calc; SHLY SS: lt-medgy,
brn-drkgy, fri, vfg, mod-w srt,
sbang-sbrndt, sil-arg cmt, sl calc;
SLTY SH: med-drkgy, sbfrm-frm,
sbply-pty, lam, fis, arg, sl calc;



-13000 WT 9.7, VIS 49

-13036 TOO H for new bit at 0910 hrs on 1/27/2023. Resumed drilling at 0155 hrs on 1/28/2023; Bit #3 - U04172, 8x13, 8.5"

-13036 0000 hrs on 1/28/2023

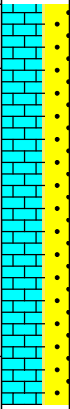
-13064 INC 90.77, AZM 81.01, TVD 7375.8

-13100 WT 10, VIS 52

-13154 INC 90.68, AZM 86.24, TVD 7374.66

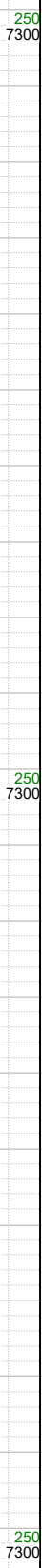
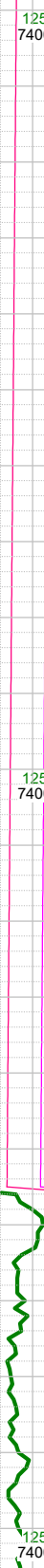
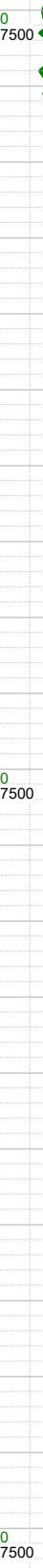
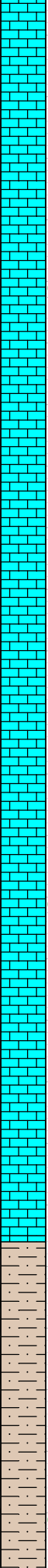
-13200 WT 10, VIS 52

-13244 INC 90.58, AZM 88.38, TVD 7373.67



-13250 LS: lt crm, lt gy, med brn, sb blk-y-sb pty, frm-ip sft & grdg chk, sl wxy, vcalc; SS: lt-medgy, lt-medbrn, ip wh-bf, vf-f gr sb ang-sb rd clus, tr tt qtz clus & lse grns, sl slty, sil-lmy cmt, frm-hd, mod srt, mod calc; SHLY SLT: med-drkgy, frm, sb blk-y-sb pty, gr-rthy, mod calc, grdg slty sh;

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-13500



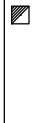
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-13300 WT 10,
VIS 50

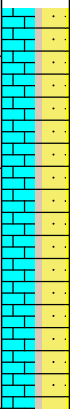
-13333 INC 90,
AZM 89.66,
TVD 7373.22

-13400 WT 10,
VIS 50

-13423 INC
90.12, AZM
94.42, TVD
7373.12

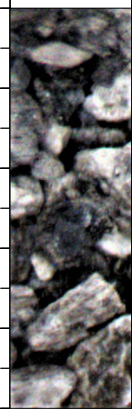


-13456 Fault:
60' up-throw;
went from Ft.
Hays Silt to
Carilile



-13500 LS: lt crm-bf, ltgy, med
brn, sb blk-y-sb ply, frm, sb wxy,
vcalc; SLTY SH: med-drkgy, ip
ltgy-blshgy, mod sft-sl frm,
sbply-pty, lam, fis, arg, mod
calc; SHLY SLT: med-drkgy, frm,
sb blk-y-sb ply, gr-rthy, mod
calc; SHLY SS: med-drkgy, brn-
gyshbn, fri, vfg, mod-w srt, sb
ang-sb rnd, sil-arg cmt, mod calc;

-13500 WT 10,
VIS 50



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7400

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7300

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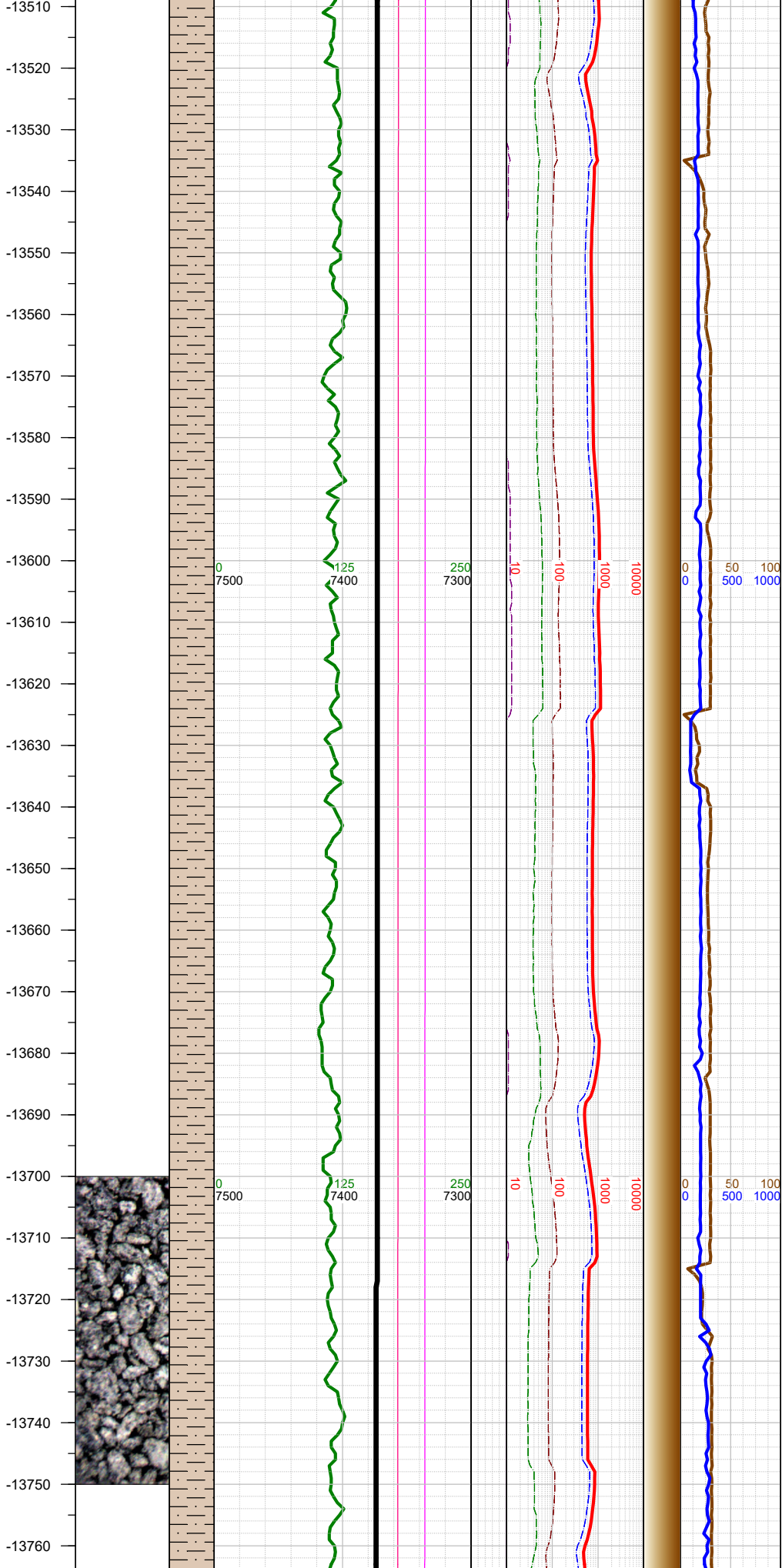
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-13512 INC
89.97, AZM
93.24, TVD
7373.05

-13602 INC
89.97, AZM
92.17, TVD
7373.1

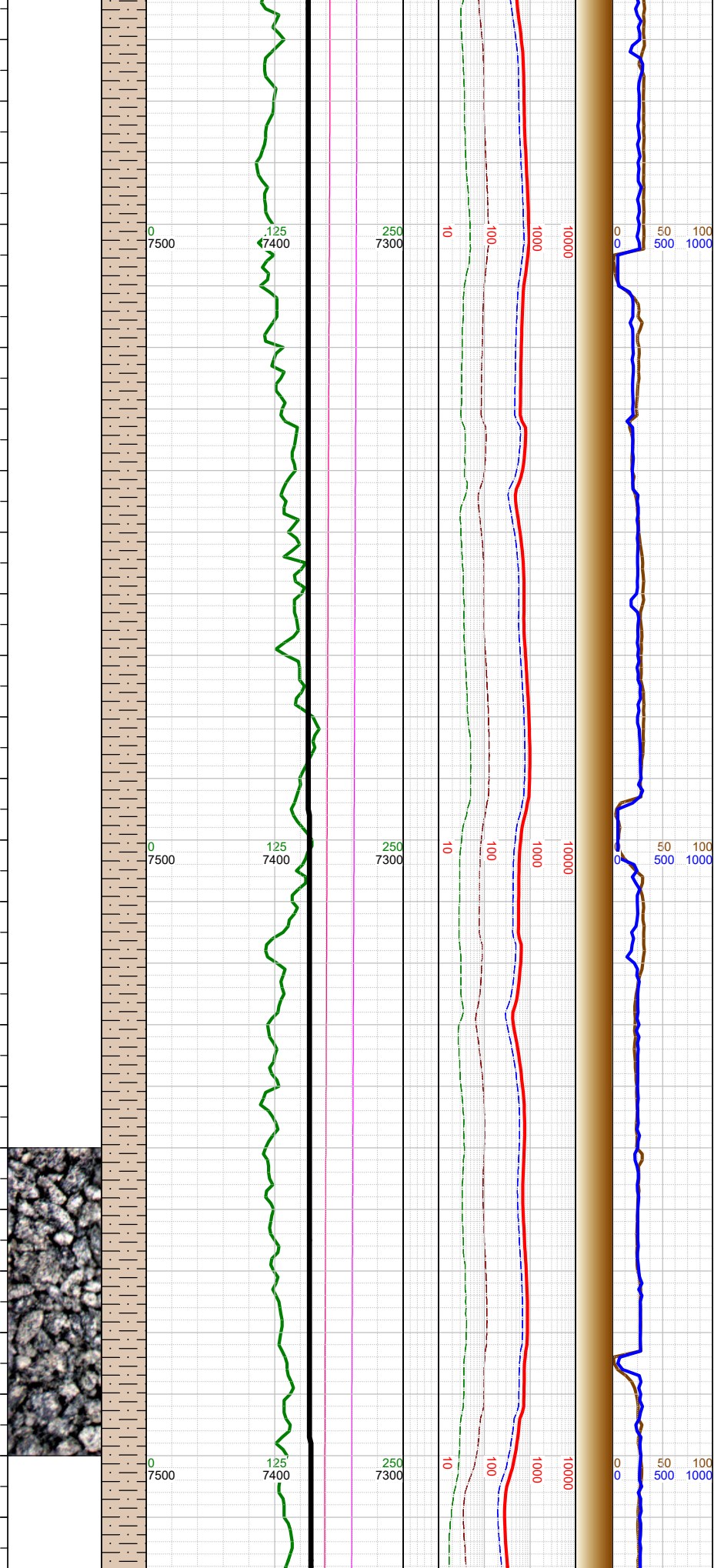
-13620 WT 10,
VIS 50

-13692 INC
89.66, AZM
92.58, TVD
7373.39

-13710 WT 10,
VIS 50

-13750 SHLY SLT: med gy, frm,
blky-sb blky, gr-rthy, sl calc;

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-13782 INC
89.85, AZM
93.85, TVD
7373.78

-13800 WT 10,
VIS 51

-13871 INC
90.25, AZM
95.08, TVD
7373.7

-13900 WT 10,
VIS 53

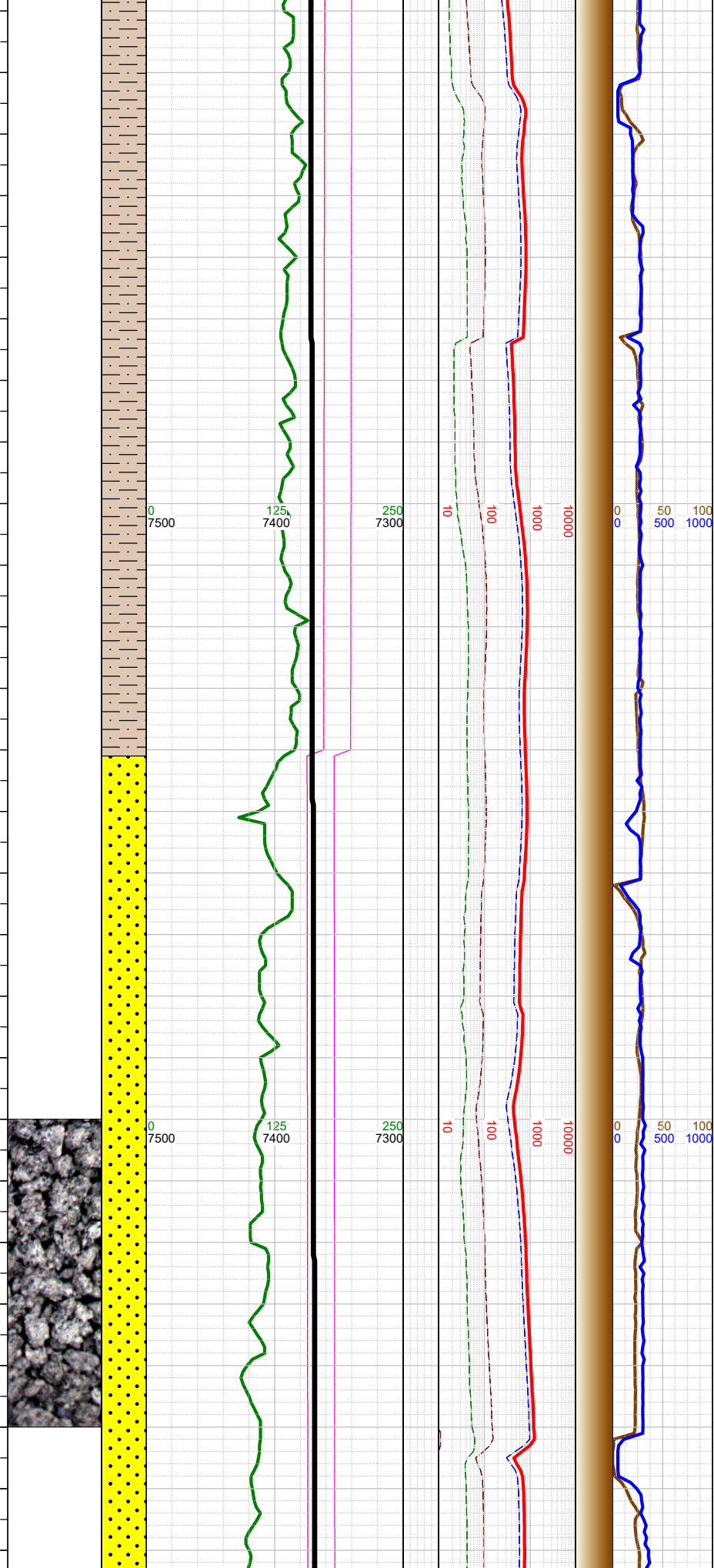
-13961 INC
90.68, AZM
94.72, TVD
7372.97

-14000 WT 10,
VIS 53



-14000 SHLY SLT: med gy, frm,
blky-sb blky, gr-rthy, sl calc;

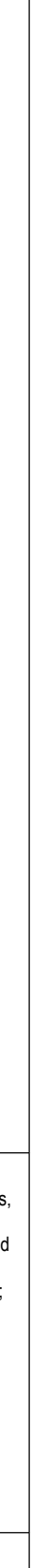
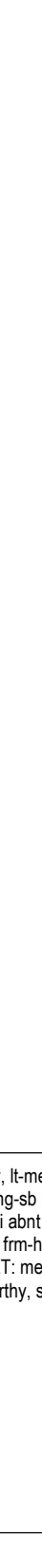
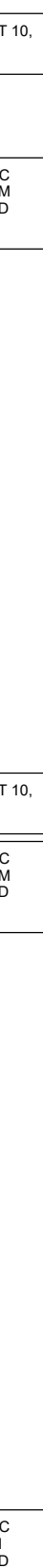
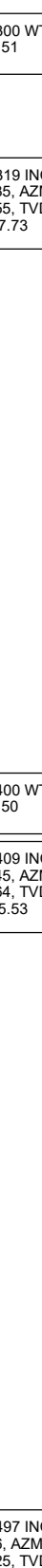
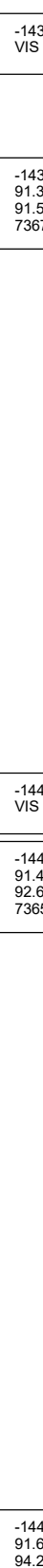
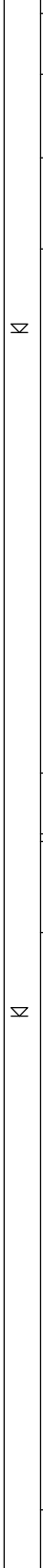
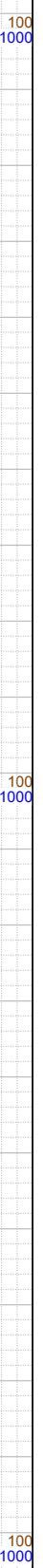
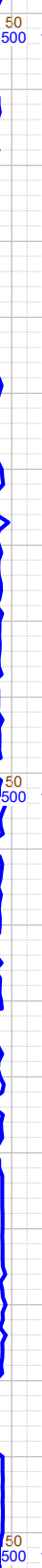
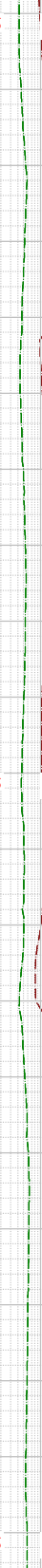
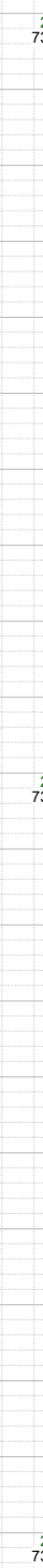
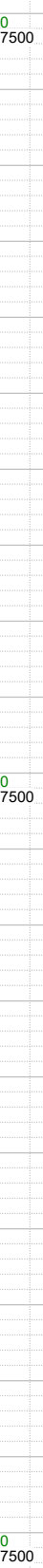
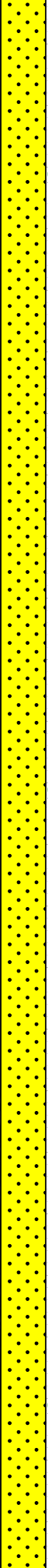
-14020
-14030
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-14150
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-14170
-14180
-14190
-14200
-14210
-14220
-14230
-14240
-14250
-14260
-14270



☀
-14050 INC
90.8, AZM
94.67, TVD
7371.82
N
-14100 WT 10,
VIS 51
-14139 INC
90.74, AZM
93.76, TVD
7370.62
-14141 Fault:
13' down-throw;
went from
Carlile to Codell
N
-14200 WT 10,
VIS 51
-14229 INC
90.8, AZM
93.63, TVD
7369.41
N

-14250 SHLY SLT: med gy, frm,
blky-sb blky, gr-rthy, sl calc;

-14280
-14290
-14300
-14310
-14320
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-14370
-14380
-14390
-14400
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-14470
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-14490
-14500
-14510
-14520



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-14300 WT 10,
VIS 51

-14319 INC
91.35, AZM
91.55, TVD
7367.73

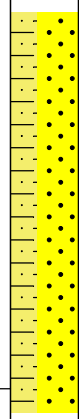
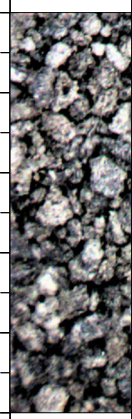
-14400 WT 10,
VIS 50

-14409 INC
91.45, AZM
92.64, TVD
7365.53

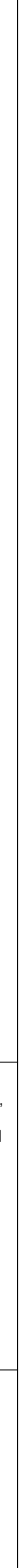
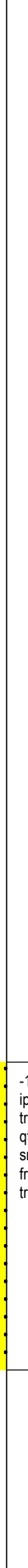
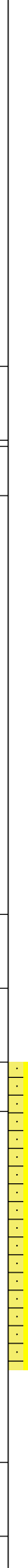
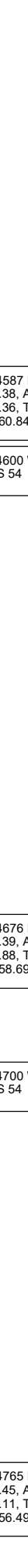
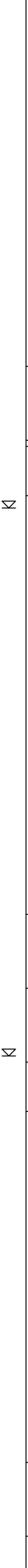
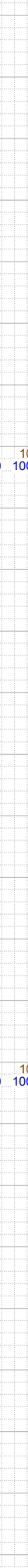
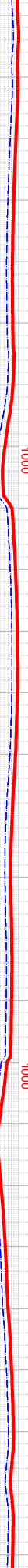
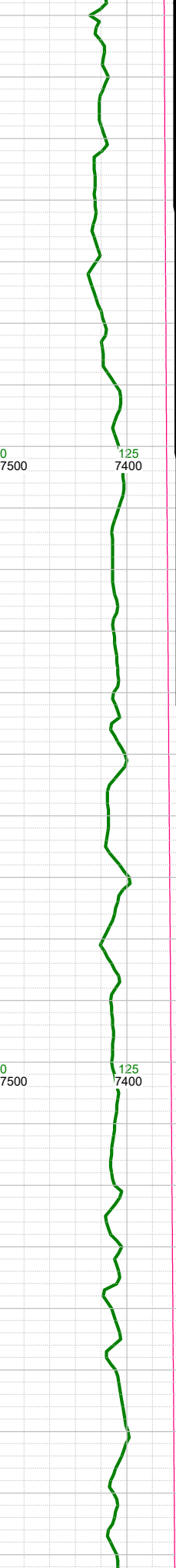
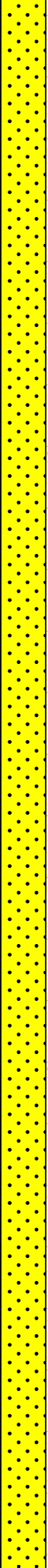
-14500 SS: lt-medgy, lt-medbrn,
ip wh-bf, vf-f gr sb ang-sb rd clus,
tr amt sml qtz clus wi abnt lse
qtz grns, sil-arg cmt, frm-hd, mod
srt, sl calc; SHLY SLT: med gy,
frm, blkly-sb blkly, gr-rthy, sl calc;

-14497 INC
91.6, AZM
94.25, TVD
7363.18

-14510 WT 10,
VIS 54



-14530
-14540
-14550
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-14600
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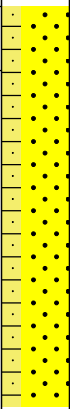
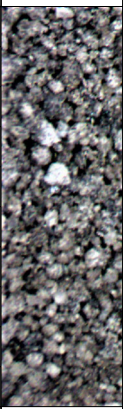
-14587 INC
91.38, AZM
94.36, TVD
7360.84

-14600 WT 10,
VIS 54

-14676 INC
91.39, AZM
92.88, TVD
7358.69

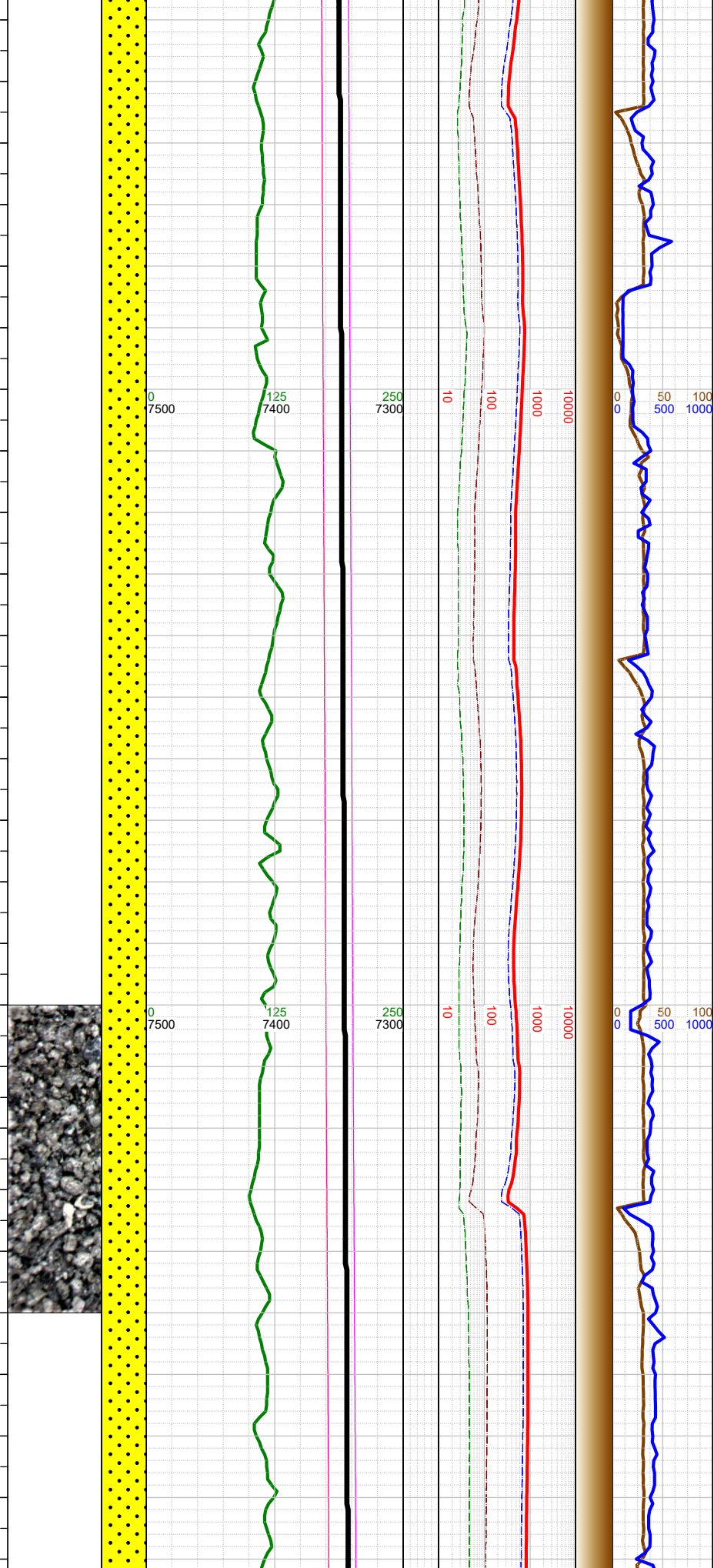
-14700 WT 10,
VIS 54

-14765 INC
91.45, AZM
91.11, TVD
7356.49



-14750 SS: lt-medgy, lt-medbrn,
ip wh-bf, vf-f gr sb ang-sb rd clus,
tr amt sml qtz clus wi abnt lse
qtz grns, sil-arg cmt, frm-hd, mod
srt, sl calc; SHLY SLT: med gy,
frm, blk-y-sb blk-y, gr-rthy, sl calc;
tr pyr;

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-15280
-15290



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N
N

89.36, TVD
7350.05

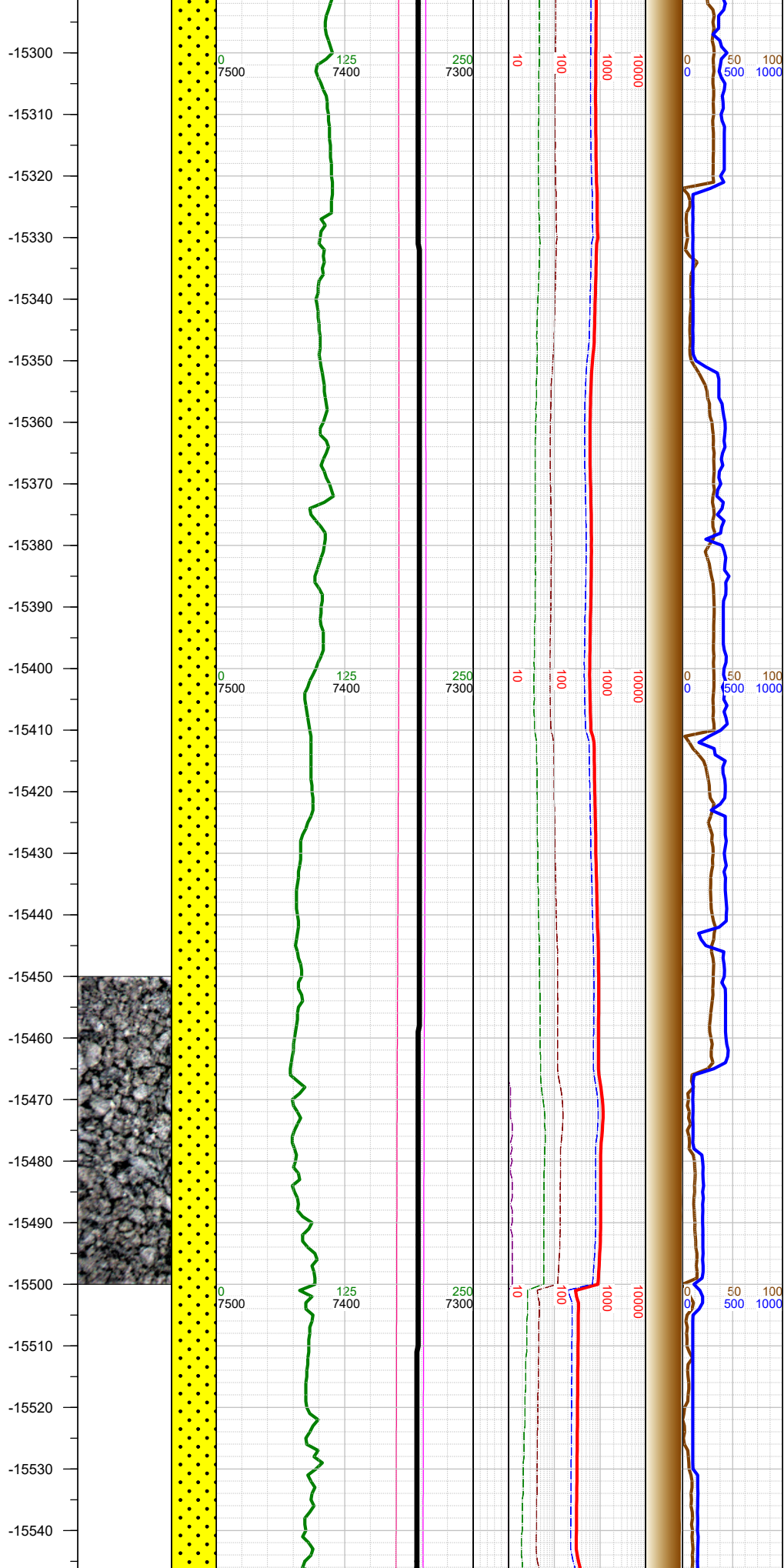
-15100 WT
10.2, VIS 58

-15121 INC
91.54, AZM
87.65, TVD
7347.7

-15200 WT
10.2, VIS 58

-15210 INC
91.48, AZM
89.78, TVD
7345.36

-15250 SS: lt-medgy, lt-medbrn,
ip wh-bf, vf-f gr sb ang-sb rd clus,
tr amt sml qtz clus wi abnt lse
qtz grns, sil-arg cmt, frm-hd, mod
srt, sl calc; SHLY SLT: med gy,
frm, blk-y-sb blk-y, gr-rthy, sl calc;



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-15299 INC
91.51, AZM
88.02, TVD
7343.04

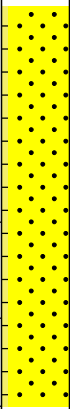
-15320 WT
10.2, VIS 57

-15388 INC
90.37, AZM
89.12, TVD
7341.58

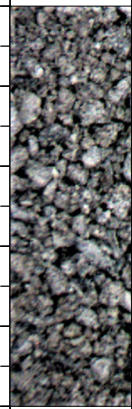
-15400 WT
10.2, VIS 57

-15477 INC
88.12, AZM
88.62, TVD
7342.75

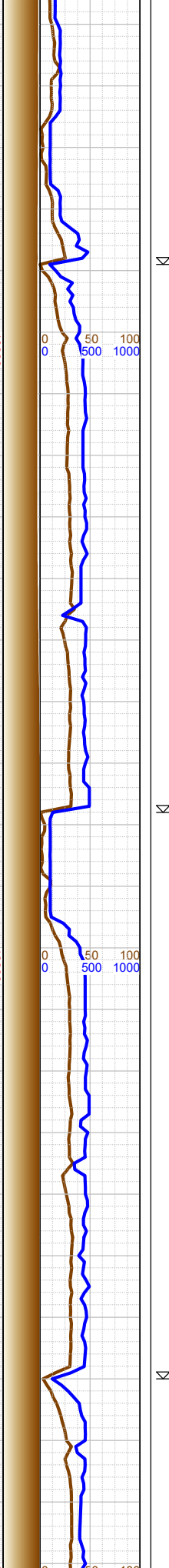
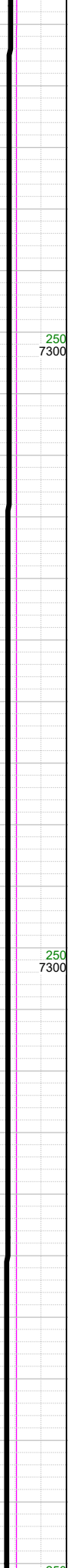
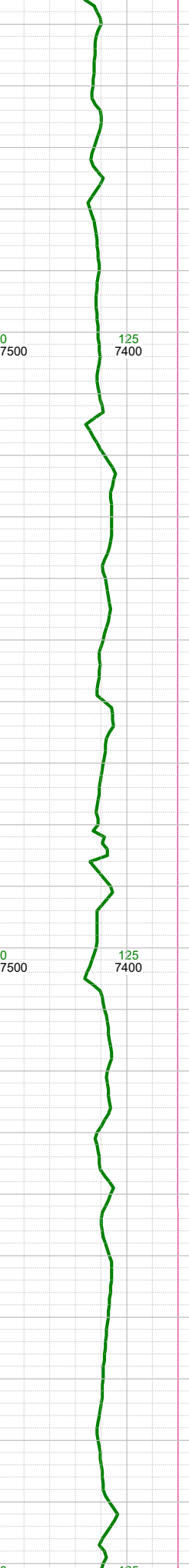
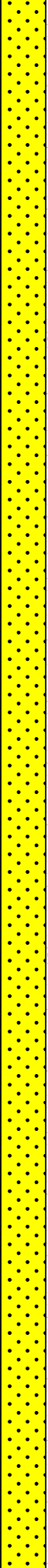
-15500 WT
10.2, VIS 57



-15500 SS: lt-medgy, lt-medbrn, ip wh-bf, vf-f gr sb ang-sb rd clus, tr amt sml qtz clus wi abnt lse qtz grns, sil-arg cmt, frm-hd, mod srt, sl calc; SHLY SLT: med gy, frm, blk-sb blk, gr-rthy, sl calc; tr pyr;



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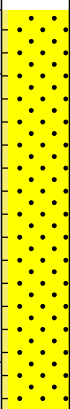
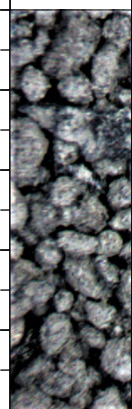
-15566 INC
89.29, AZM
93.85, TVD
7344.76

-15600 WT
10.2, VIS 57

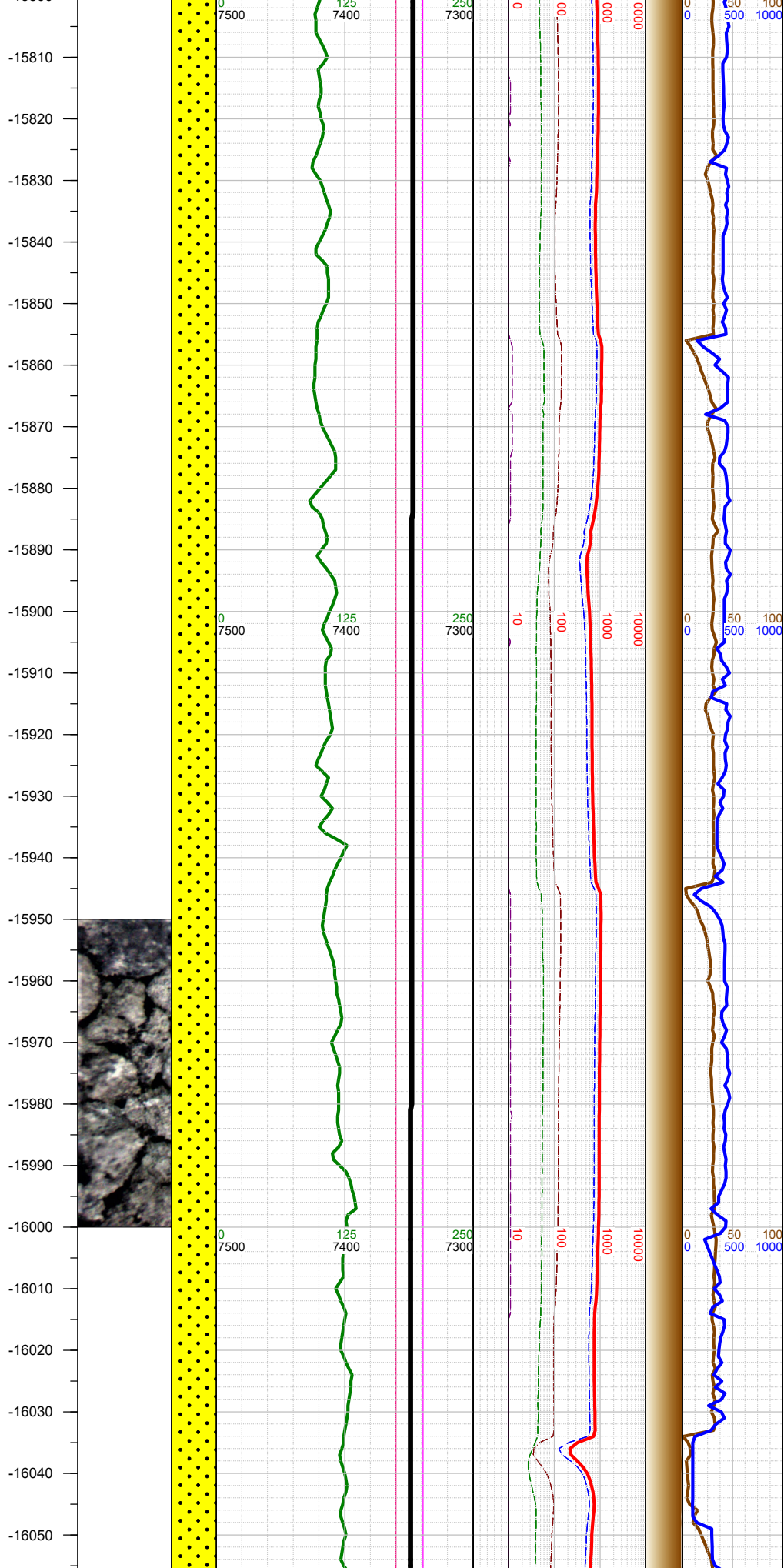
-15655 INC
89.35, AZM
98.82, TVD
7345.82

-15700 WT
10.2, VIS 57

-15744 INC
89.82, AZM
100.16, TVD
7346.46



-15750 SS: lt-medgy, lt-medbrn,
ip wh-bf, vf-f gr sb ang-sb rd clus,
tr amt sml qtz clus wi abnt lse
qtz grns, sil-arg cmt, frm-hd, mod
srt, sl calc; SHLY SLT: med gy,
frm, blkly-sb blkly, gr-rthy, sl calc;
tr pyr;



-15833 INC
89.51, AZM
98.05, TVD
7346.98

-15900 WT
10.2, VIS 57

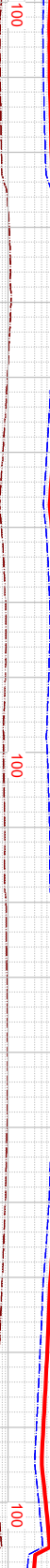
-15922 INC
89.35, AZM
95.5, TVD
7347.87

-16000 WT
10.2, VIS 57

-16011 INC
89.42, AZM
92.43, TVD
7348.82

-16000 SS: lt-medgy, lt-medbrn, ip wh-bf, clr-vit, vf-f gr sb ang-sb rd clus, tr amt sml qtz clus wi abnt lse qtz grns, sil-arg cmt, frm-hd, mod srt, sl calc; SHLY SLT: med gy, frm, blk-y-sb blk-y, gr-rthy, sl calc; tr pyr;

-16060
-16070
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-16300
-16310



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-16101 INC
90.49, AZM
89.47, TVD
7348.89

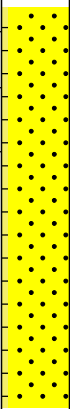
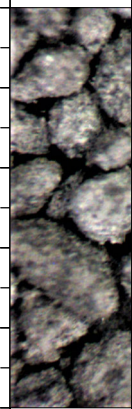
-16120 WT
10.2, VIS 57

-16191 INC
90.49, AZM
89.94, TVD
7348.12

-16210 WT
10.2, VIS 53

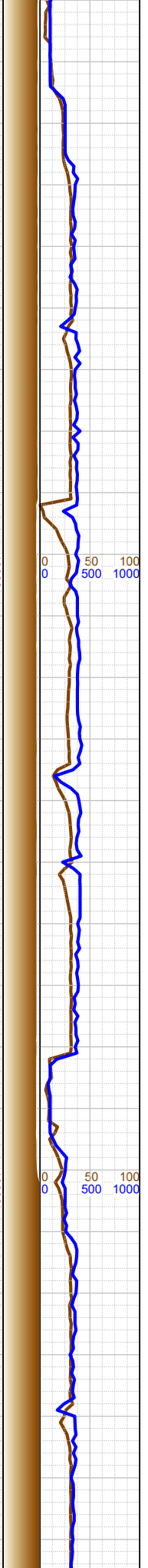
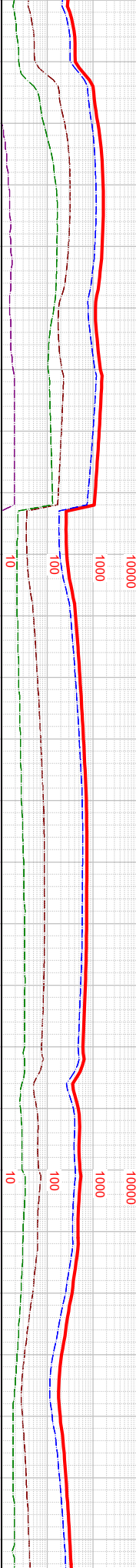
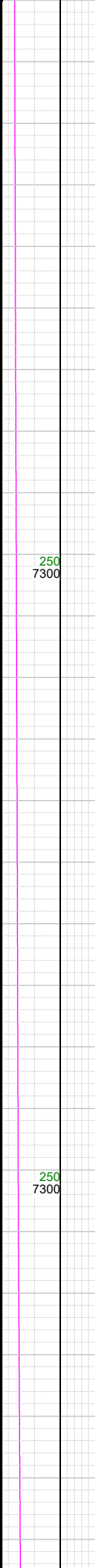
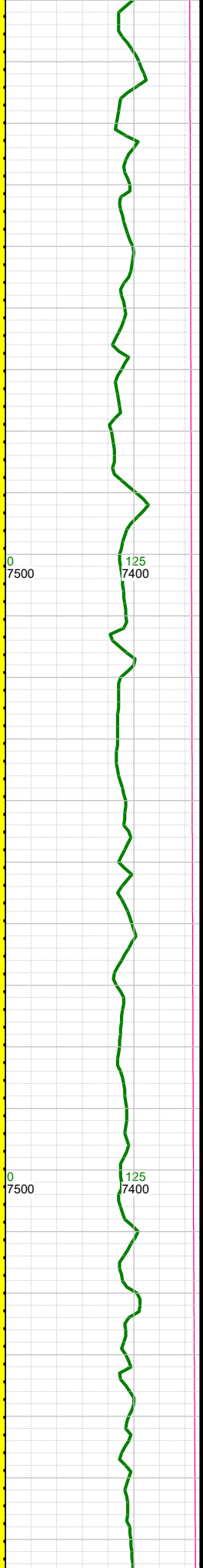
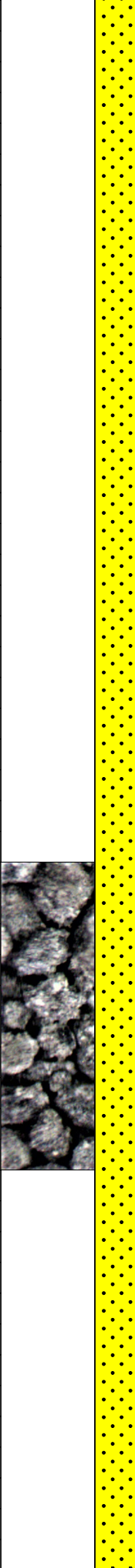
-16280 INC
90.68, AZM
94.07, TVD
7347.22

-16300 WT
10.2, VIS 53



-16250 SS: lt-medgy, lt-medbrn, ip wh-bf, clr-vit, vf-f gr sb ang-sb rd clus, tr amt sml qtz clus wi abnt lse qtz grns, sil-arg cmt, frm-hd, mod srt, sl calc; SHLY SLT: med gy, frm, blk-sb blk, gr-rthy, sl calc; tr pyr;

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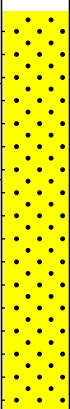
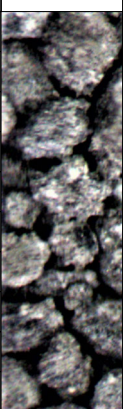
-16369 INC
89.85, AZM
93.03, TVD
7346.8

-16400 WT
10.2, VIS 53

-16459 INC
90.09, AZM
90.58, TVD
7346.85

-16500 WT
10.2, VIS 53

-16548 INC
90.09, AZM
90.32, TVD
7346.71



-16500 SS: lt-medgy, lt-medbrn, ip wh-bf, clr-vit, vf-f gr sb ang-sb rd clus, tr amt sml qtz clus wi abnt lse qtz grms, sil-arg cmt, frm-hd, mod srt, sl calc; SHLY SLT: med-drkgy, frm, sb blkly-sb plty, gr-rthy, sl calc; rr pyr;

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7400

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7400

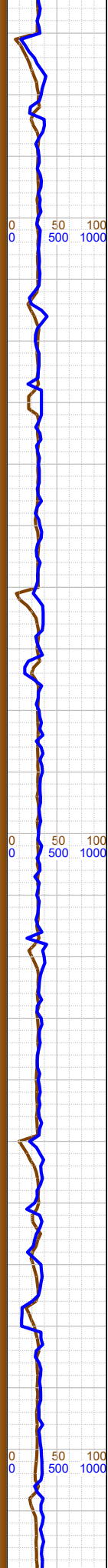
250
7300

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100

1000

10000



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-16600 WT
10.2, VIS 53

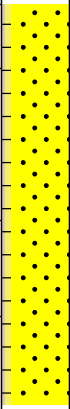
-16638 INC
90.18, AZM
90.65, TVD
7346.5

-16700 WT
10.2, VIS 53

-16727 INC 90,
AZM 90.71,
TVD 7346.36

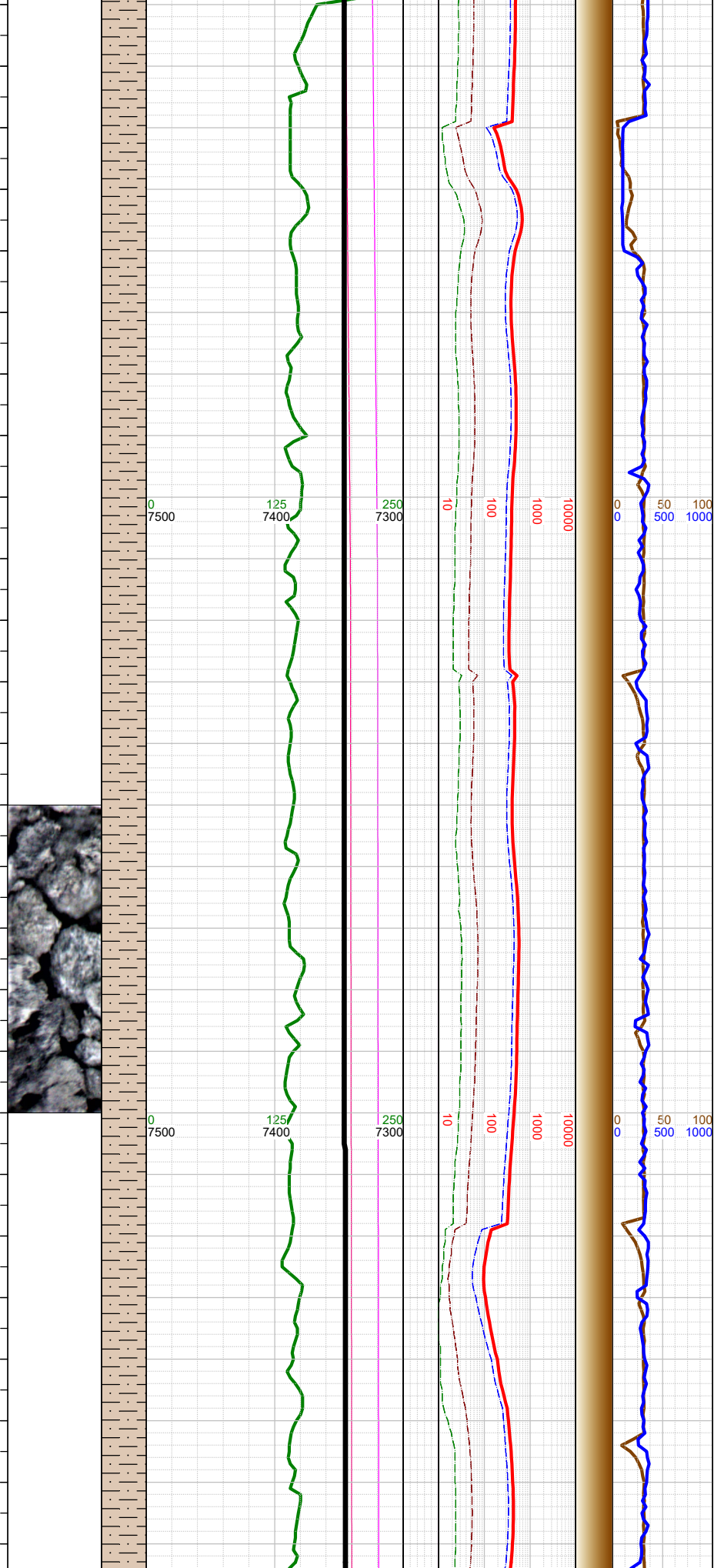
-16800 WT
10.2, VIS 52

-16816 INC



-16750 SS: lt-medgy, lt-medbrn,
ip wh-bf, clr-vit, vf-f gr sb ang-sb
rd clus, tr amt sml qtz clus wi
abnt lse qtz grns, sil-arg cmt, frm-
hd, mod srt, sl calc; SHLY SLT:
med-drkgy, frm, sb blk-y-sb plty,
gr-rthy, sl calc; SLTY SH: med-
drkgy, sbfrm-frm, sbplty-plty, lam,
fis, arg, sl tr calc; rr pyr;

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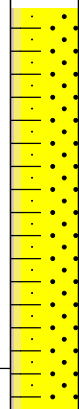
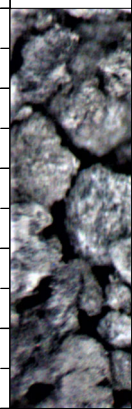
90.12, AZM
90.56, TVD
7346.27

-16906 INC
90.18, AZM
90.14, TVD
7346.03

-16920 WT
10.2, VIS 52

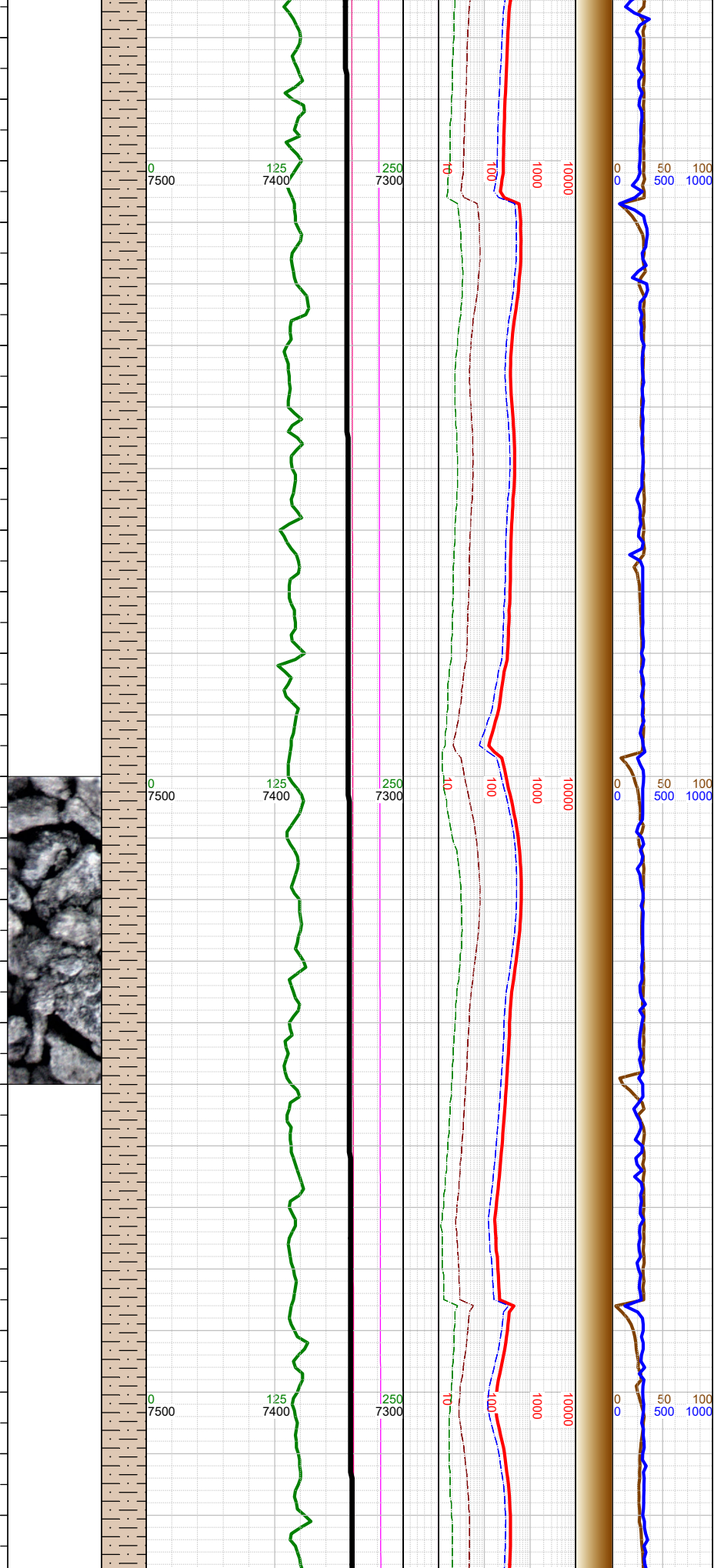
-16995 INC
90.34, AZM
89.63, TVD
7345.63

-17010 WT
10.2, VIS 52



-17000 SS: lt-medgy, lt-medbrn, ip wh-bf, tr clr-vit, vf-f gr sb ang-sb rd clus, tr amt sml qtz clus, sme lse qtz, sil-arg cmt, frm-hd, mod srt, tr calc; SHLY SS: lt-medgy, brn-drkgy, fri, vfg, mod-w srt, sbang-sbrndt, sil-arg cmt, sl calc; SHLY SLT: med-drkgy, frm, sb blk-sb plty, gr-rthy, tr calc; SLTY SH: med-drkgy, ip blk, sbfm-frm, sbplty-plty, lam, fis, arg, tr calc; rr pyr;

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-17090
-17100
-17110
-17120
-17130
-17140
-17150
-17160
-17170
-17180
-17190
-17200
-17210
-17220
-17230
-17240
-17250
-17260
-17270
-17280
-17290
-17300
-17310
-17320



-17084 INC
91.08, AZM
90.07, TVD
7344.52

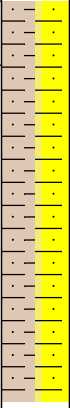
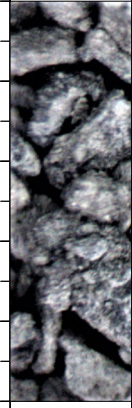
-17100 WT
10.2, VIS 52

-17174 INC
90.86, AZM
89.91, TVD
7343

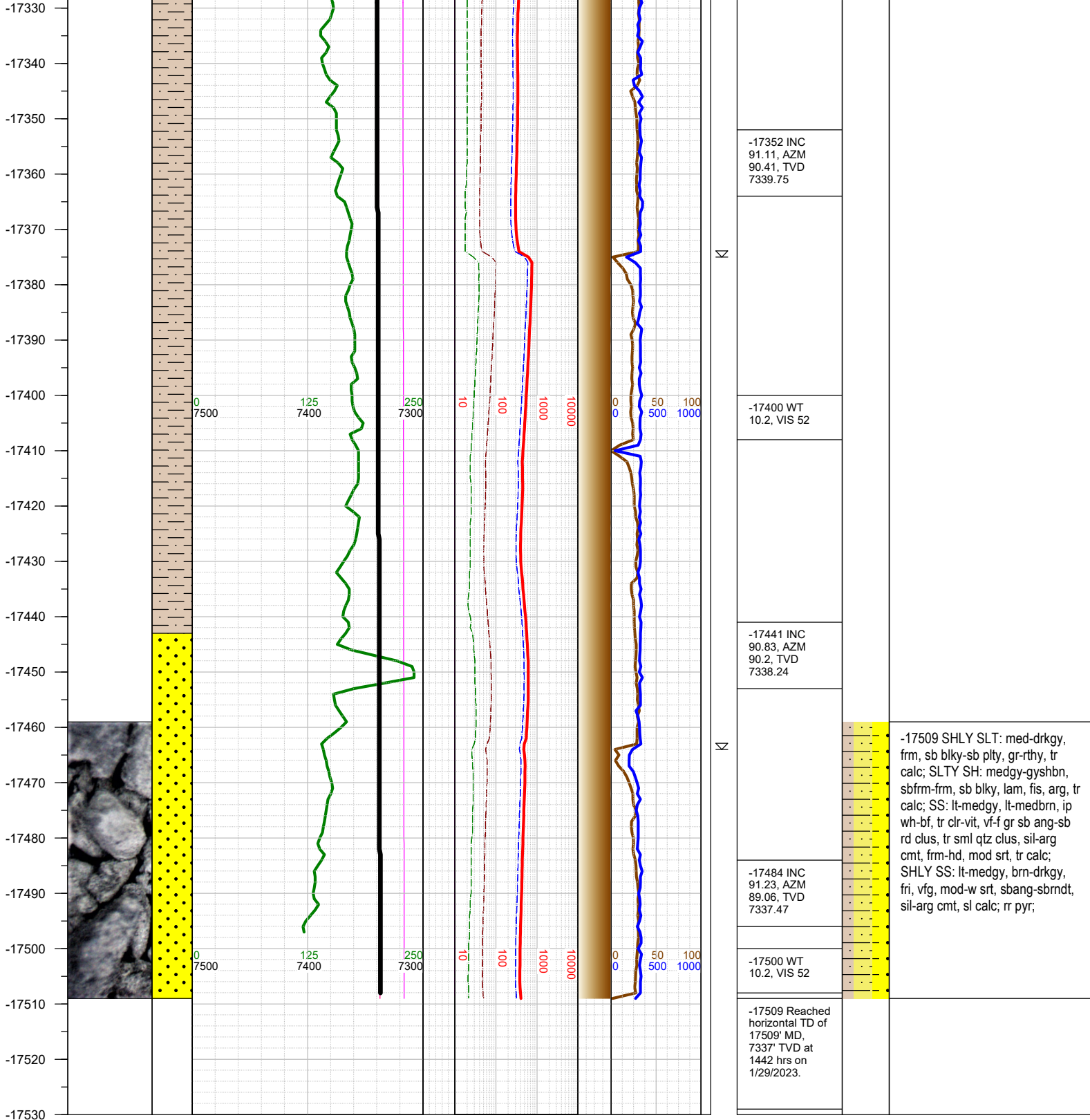
-17200 WT
10.2, VIS 52

-17263 INC
91.11, AZM
89.83, TVD
7341.47

-17300 WT
10.2, VIS 52



-17250 SLTY SH: medgy-gyshbn, sbfrm-frm, sb blk, lam, fis, arg, tr calc; SHLY SS: lt-medgy, brn-drkgy, fri, vfg, mod-w srt, sbang-sbrndt, sil-arg cmt, sl calc; SHLY SLT: med-drkgy, frm, sb blk-sb ply, gr-rthy, tr calc; SS: lt-medgy, lt-medbrn, ip wh-bf, tr clr-vit, vf-f gr sb ang-sb rd clus, tr sml qtz clus, sil-arg cmt, frm-hd, mod srt, tr calc; rr pyr;



TOTAL DEPTH = 17509'

Thank you for using Earth Science Agency