

OPERATOR: **Nickel Road Operating, LLC**

WELL NAME: **Blehm 7X-HC-10-07-67**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Cyclone 37

API #: 05-123-51470

LAT/LONG: 40.594428, -104.891198

SURFACE HOLE: NENE S9-T7N-R67W, 557' FNL, 713' FEL

BOTTOM HOLE: S10-T7N-R67W, 1310' FSL, 460' FEL



Earth Science Agency, LLC

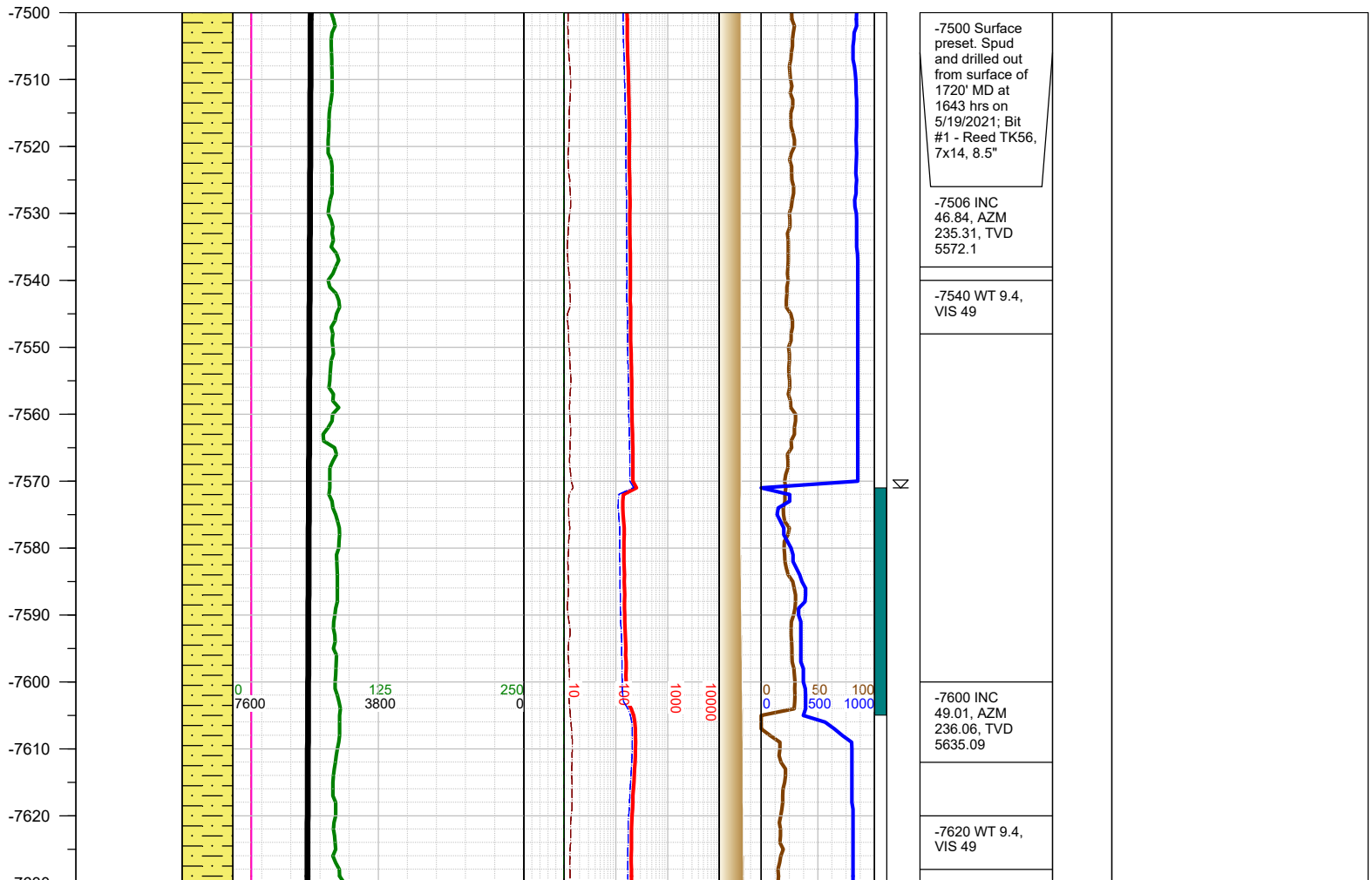
COUNTY: Weld
 STATE: Colorado
 GROUND ELEVATION: 5088'
 KELLY BUSHING: 5115'
 DRILLING FLUID: OBM
 TVD VS. MD: 7182' / 19467'
 SPUD DATE: May 19, 2021
 TD DATE: May 22, 2021
 DEPTHS LOGGED: 7500' - 19467'
 DATES LOGGED: May 20, 2021 - May 22, 2021
 GEOLOGISTS: Ross Apodaca, Scott Snoy
 SCALE: 5" = 100'

LEGEND

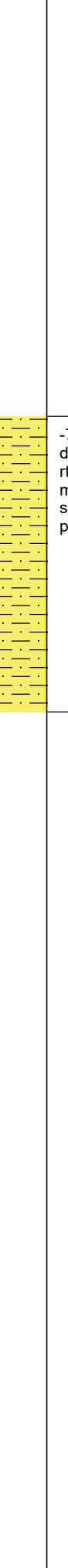
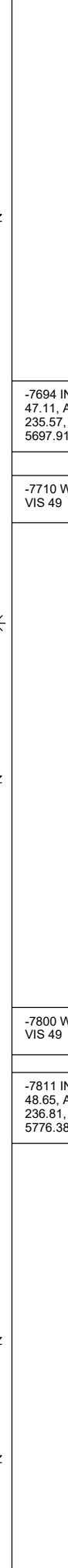
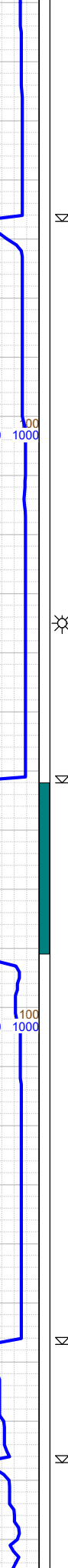
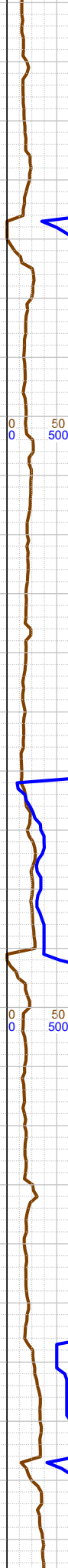
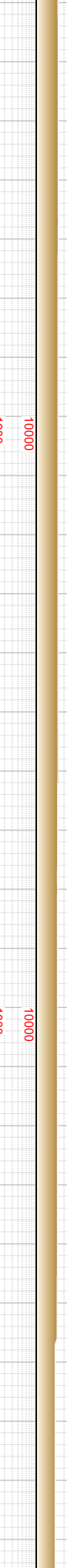
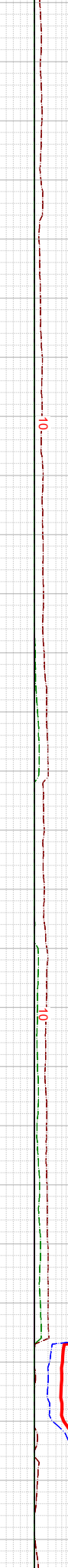
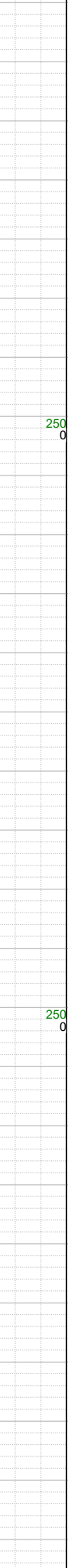
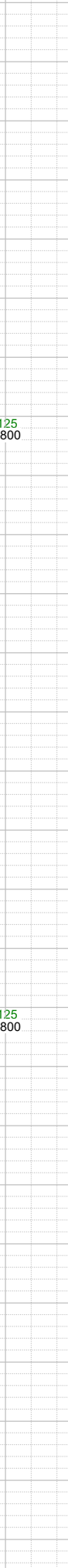
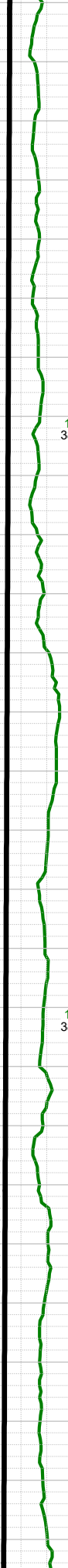
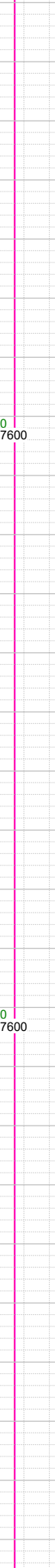
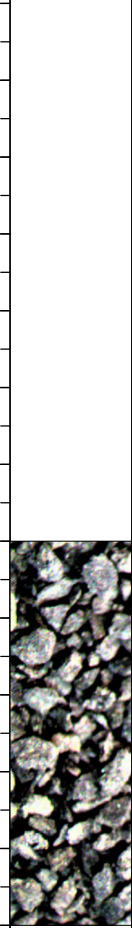
	CHALK		SHALE
	LIMESTONE		SILTY SHALE
	SHALY LIMESTONE		SHALY SILTSTONE
	MARLSTONE		SHALY SANDSTONE
	CALCAREOUS SHALE		SANDSTONE
	DOLOMITE		ANHYDRITE

◀ 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	COMMENTS	CUTTINGS %	SAMPLE DESCRIPTION
			Target Top / Base								
			TVD ft		F < B						
			0	7600							
			GAMMA api								
			0	250							



-7630
-7640
-7650
-7660
-7670
-7680
-7690
-7700
-7710
-7720
-7730
-7740
-7750
-7760
-7770
-7780
-7790
-7800
-7810
-7820
-7830
-7840
-7850
-7860
-7870
-7880
-7890



K

☼

K

K

K

-7694 INC
47.11, AZM
235.57, TVD
5697.91

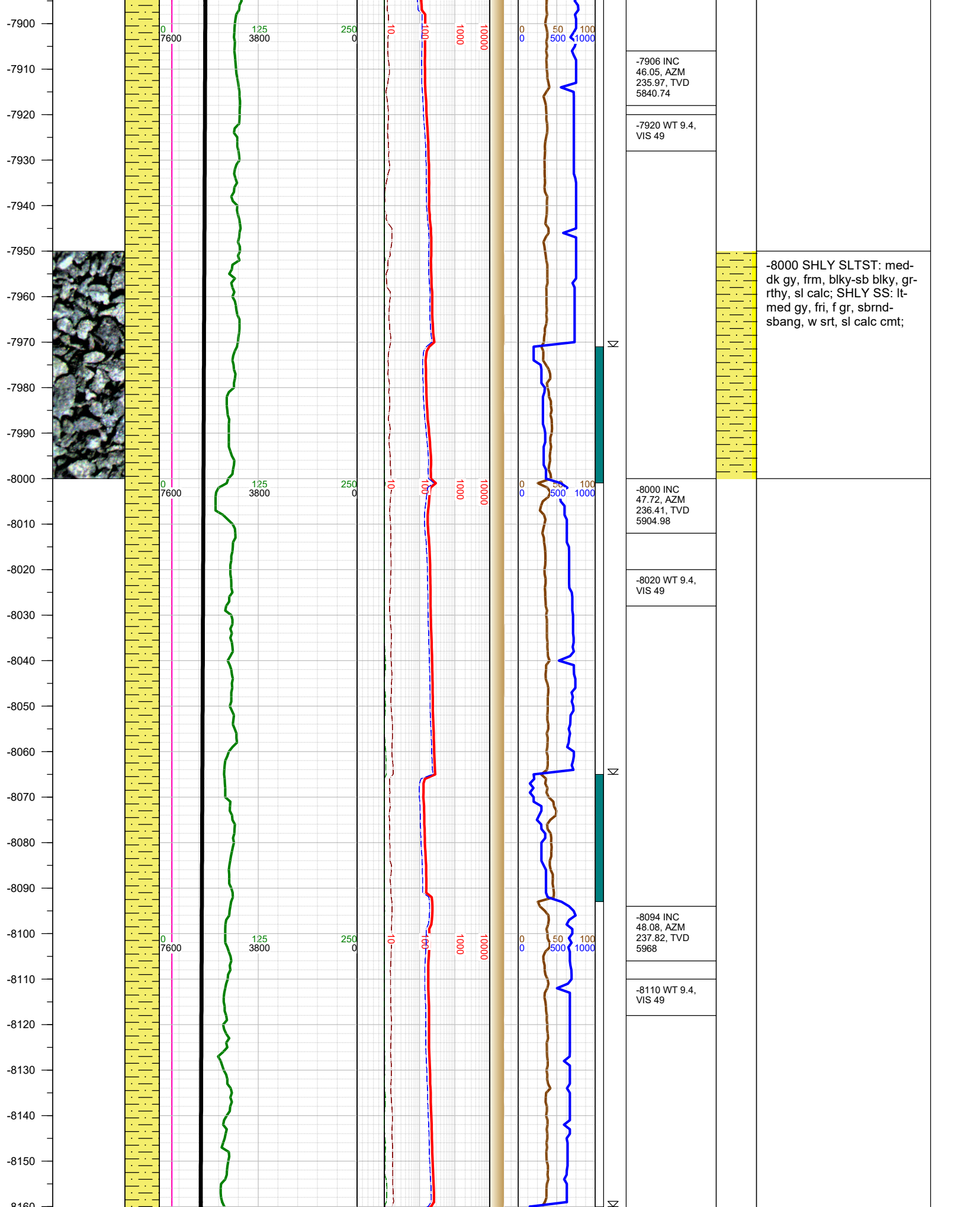
-7710 WT 9.4,
VIS 49

-7800 WT 9.4,
VIS 49

-7811 INC
48.65, AZM
236.81, TVD
5776.38



-7750 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; tr
pyr;



-7906 INC
46.05, AZM
235.97, TVD
5840.74

-7920 WT 9.4,
VIS 49

-8000 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;

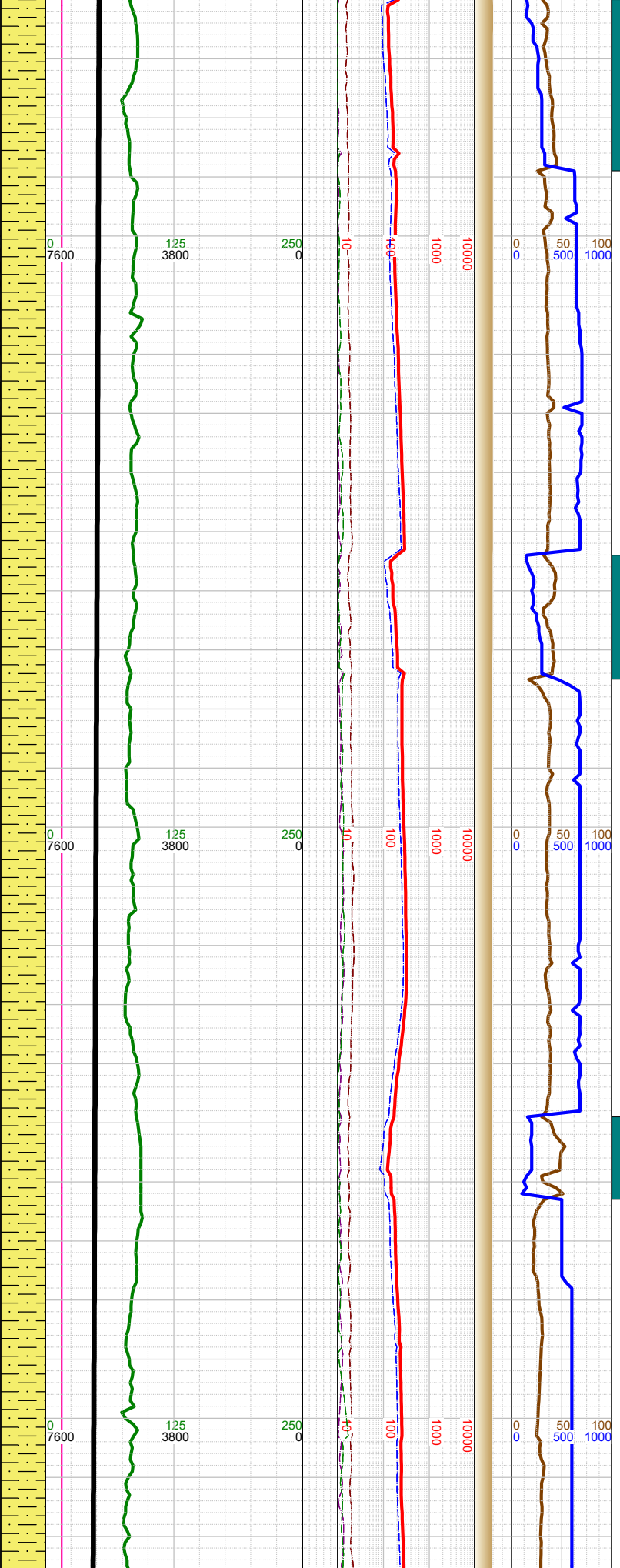
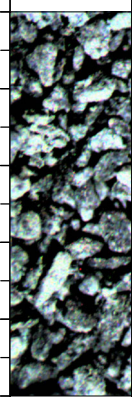
-8000 INC
47.72, AZM
236.41, TVD
5904.98

-8020 WT 9.4,
VIS 49

-8094 INC
48.08, AZM
237.82, TVD
5968

-8110 WT 9.4,
VIS 49

-8170
-8180
-8190
-8200
-8210
-8220
-8230
-8240
-8250
-8260
-8270
-8280
-8290
-8300
-8310
-8320
-8330
-8340
-8350
-8360
-8370
-8380
-8390
-8400
-8410
-8420



-8188 INC 48.7,
AZM 236.19,
TVD 6030.43

-8200 WT 9.4,
VIS 45

-8283 INC
48.96, AZM
236.63, TVD
6092.96

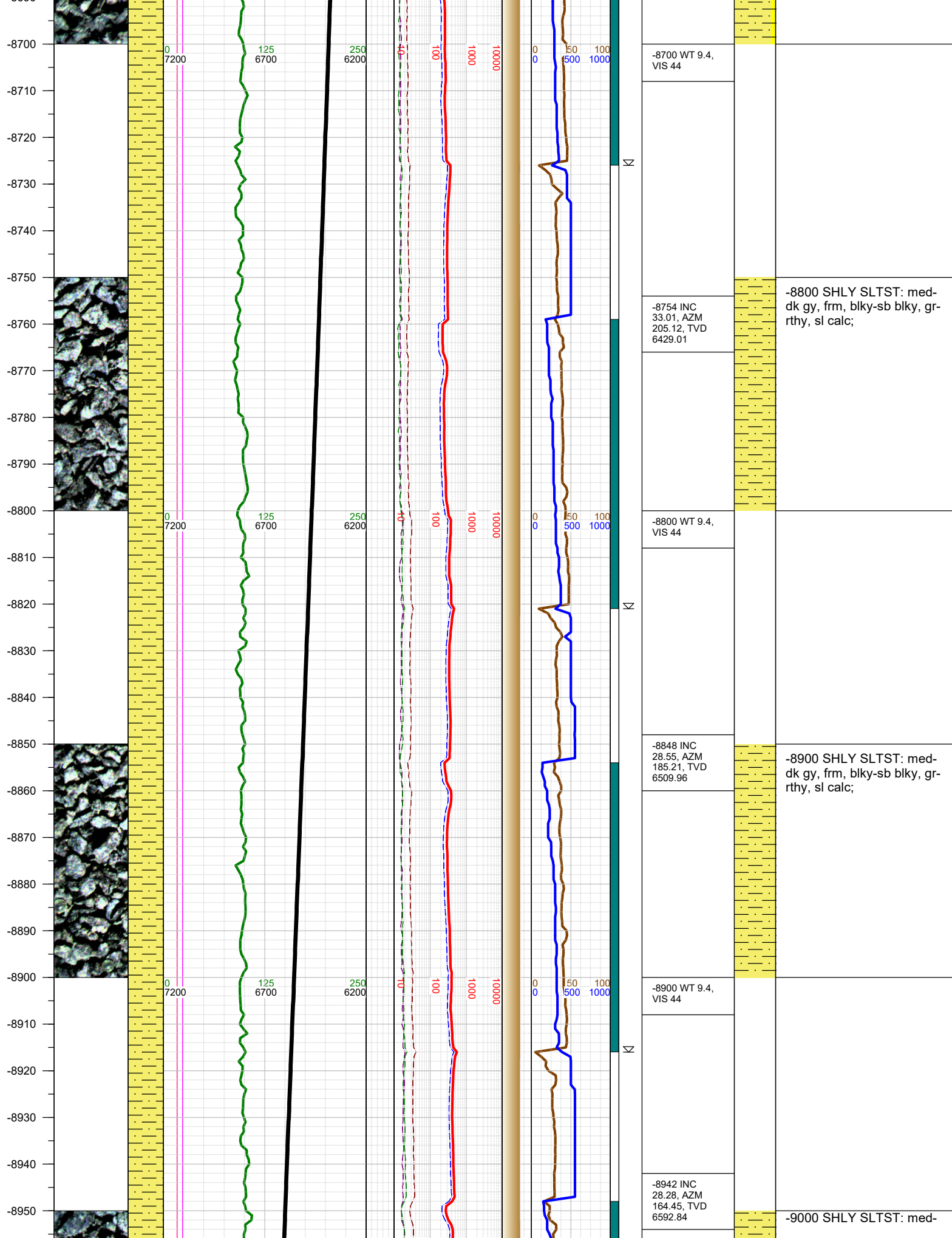
-8300 WT 9.4,
VIS 45

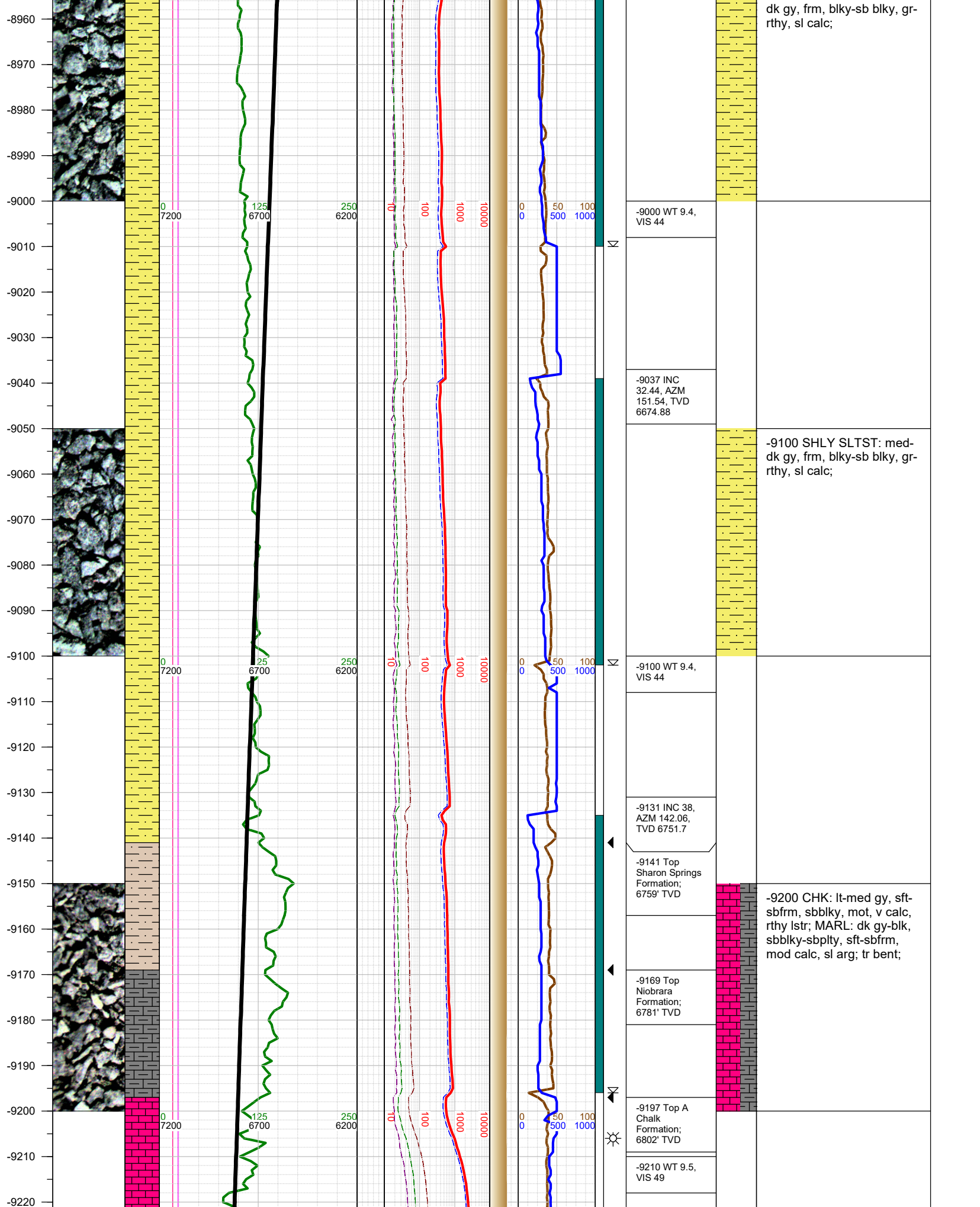
-8377 INC
46.49, AZM
234.78, TVD
6156.19

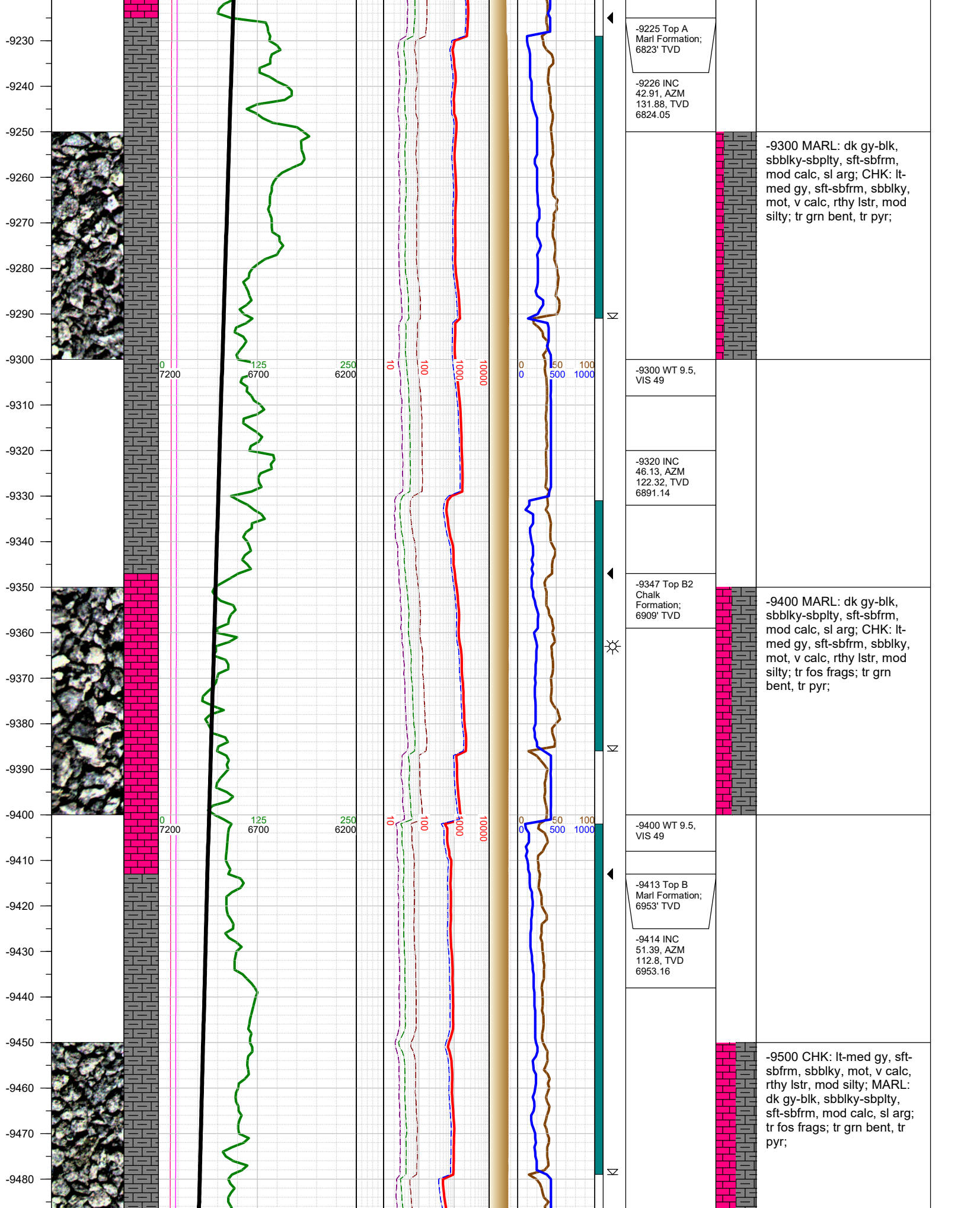
-8400 WT 9.4,
VIS 45

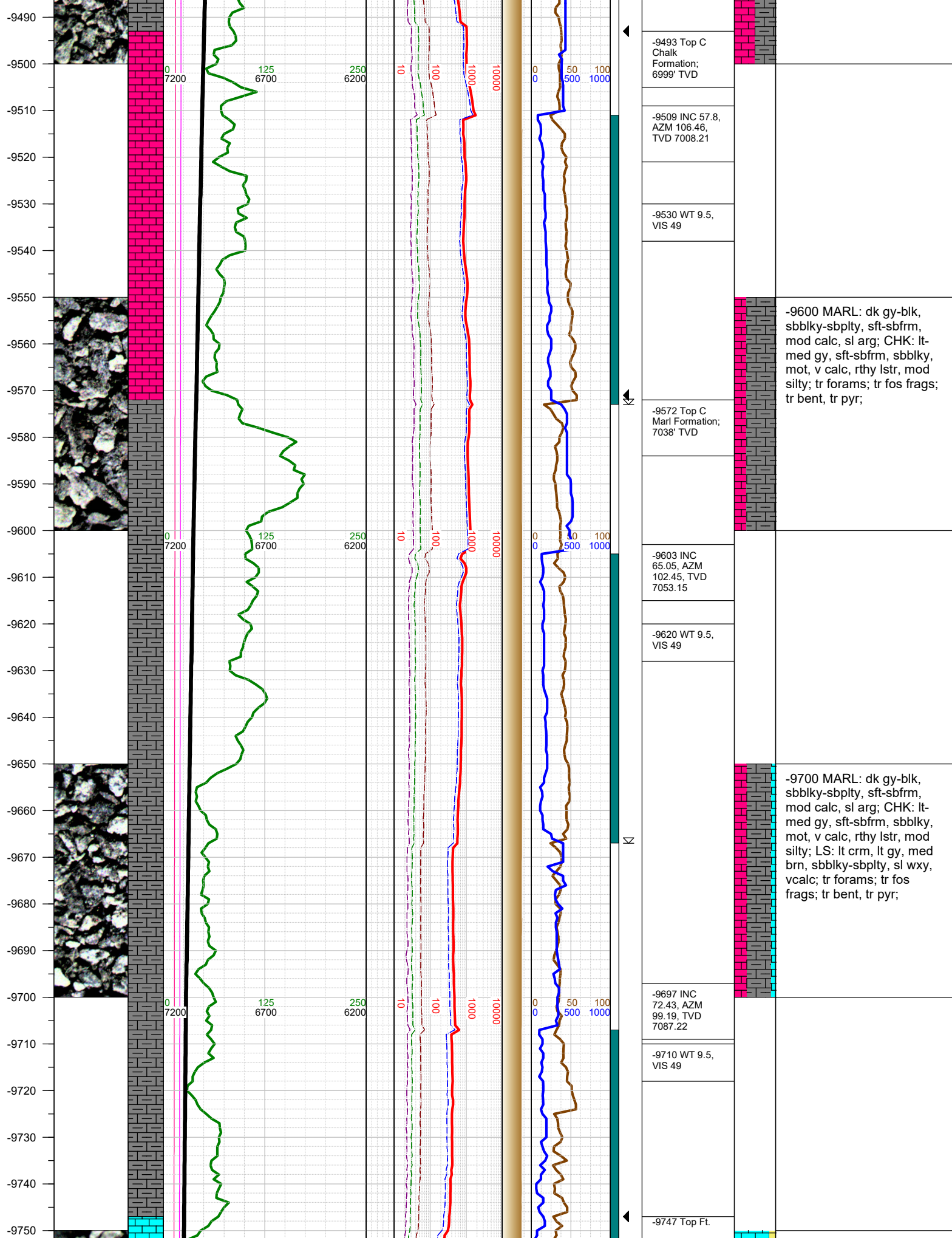


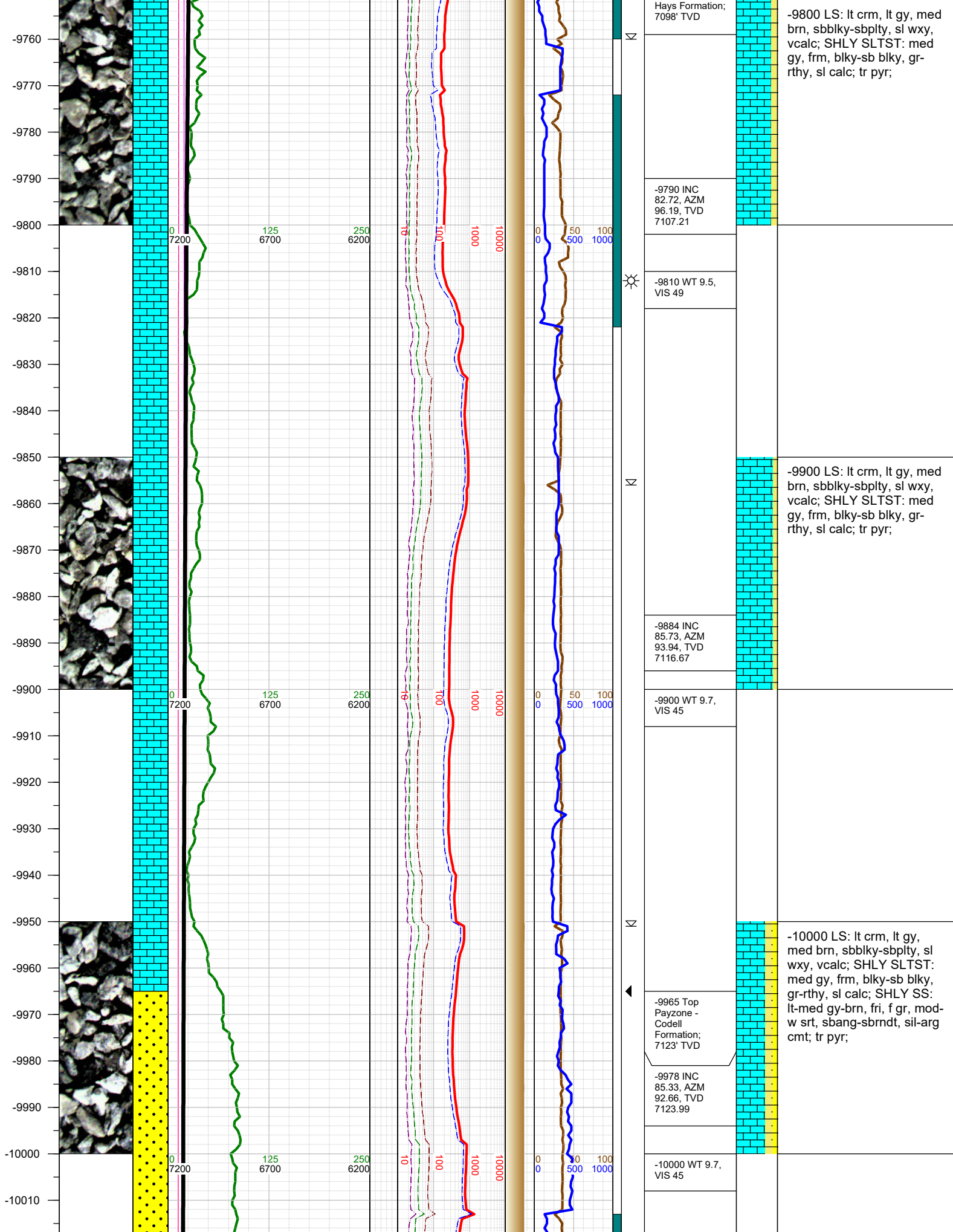
-8250 SHLY SLTST: med-
dk gy, frm, blk-sb blk, gr-
rthy, sl calc; SHLY SS: lt-
med gy, fri, f gr, sbrnd-
sbang, w srt, sl calc cmt; tr
pyr;



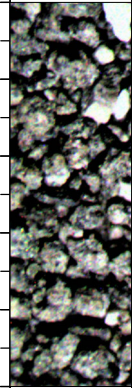
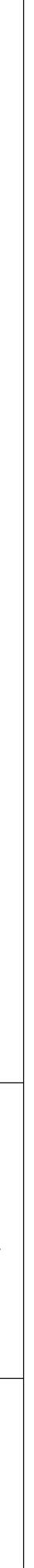
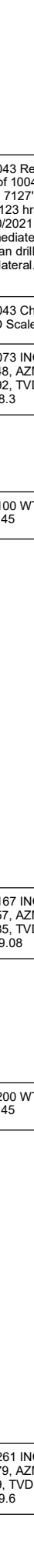
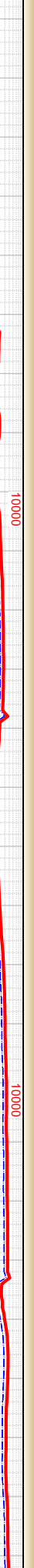
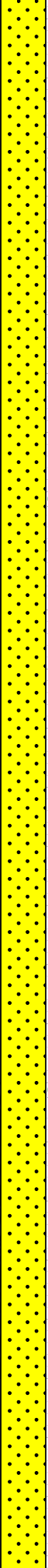








-10020
-10030
-10040
-10050
-10060
-10070
-10080
-10090
-10100
-10110
-10120
-10130
-10140
-10150
-10160
-10170
-10180
-10190
-10200
-10210
-10220
-10230
-10240
-10250
-10260
-10270
-10280



-10043 Reached LP of 10043' MD, 7127' TVD at 2123 hrs on 5/20/2021 and immediately began drilling the lateral.

-10043 Change TVD Scale

-10073 INC 89.48, AZM 88.92, TVD 7128.3

-10100 WT 9.7, VIS 45

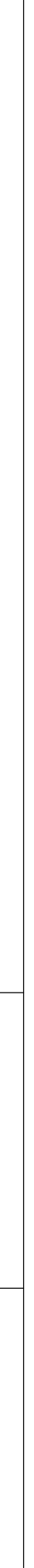
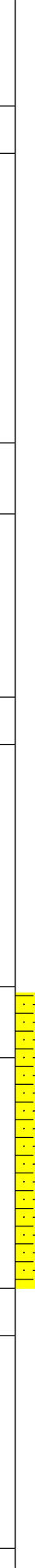
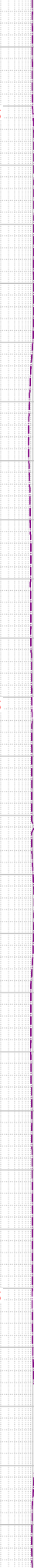
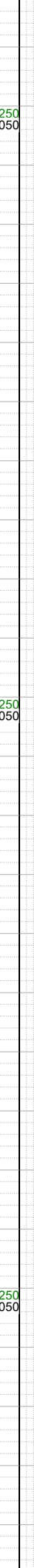
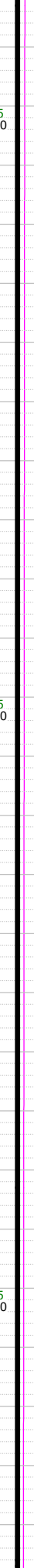
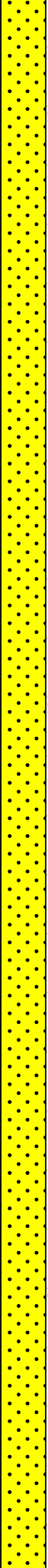
-10167 INC 89.57, AZM 88.35, TVD 7129.08

-10200 WT 9.7, VIS 45

-10250 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SS: pred lt brn, pred med gr sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; SHLY SLTST: med gy, frm, blkysb blkys, gr-rthy, sl calc; tr pyr;

-10261 INC 89.79, AZM 87.9, TVD 7129.6

-10290
-10300
-10310
-10320
-10330
-10340
-10350
-10360
-10370
-10380
-10390
-10400
-10410
-10420
-10430
-10440
-10450
-10460
-10470
-10480
-10490
-10500
-10510
-10520
-10530
-10540



-10300 WT 9.7,
VIS 45

-10357 INC
89.88, AZM
88.26, TVD
7129.88

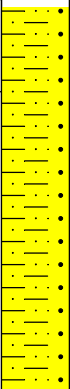
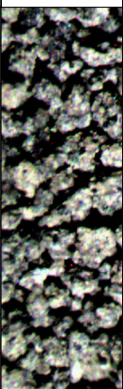
-10400 WT 9.7,
VIS 45

-10449 INC
89.79, AZM
87.9, TVD
7130.14

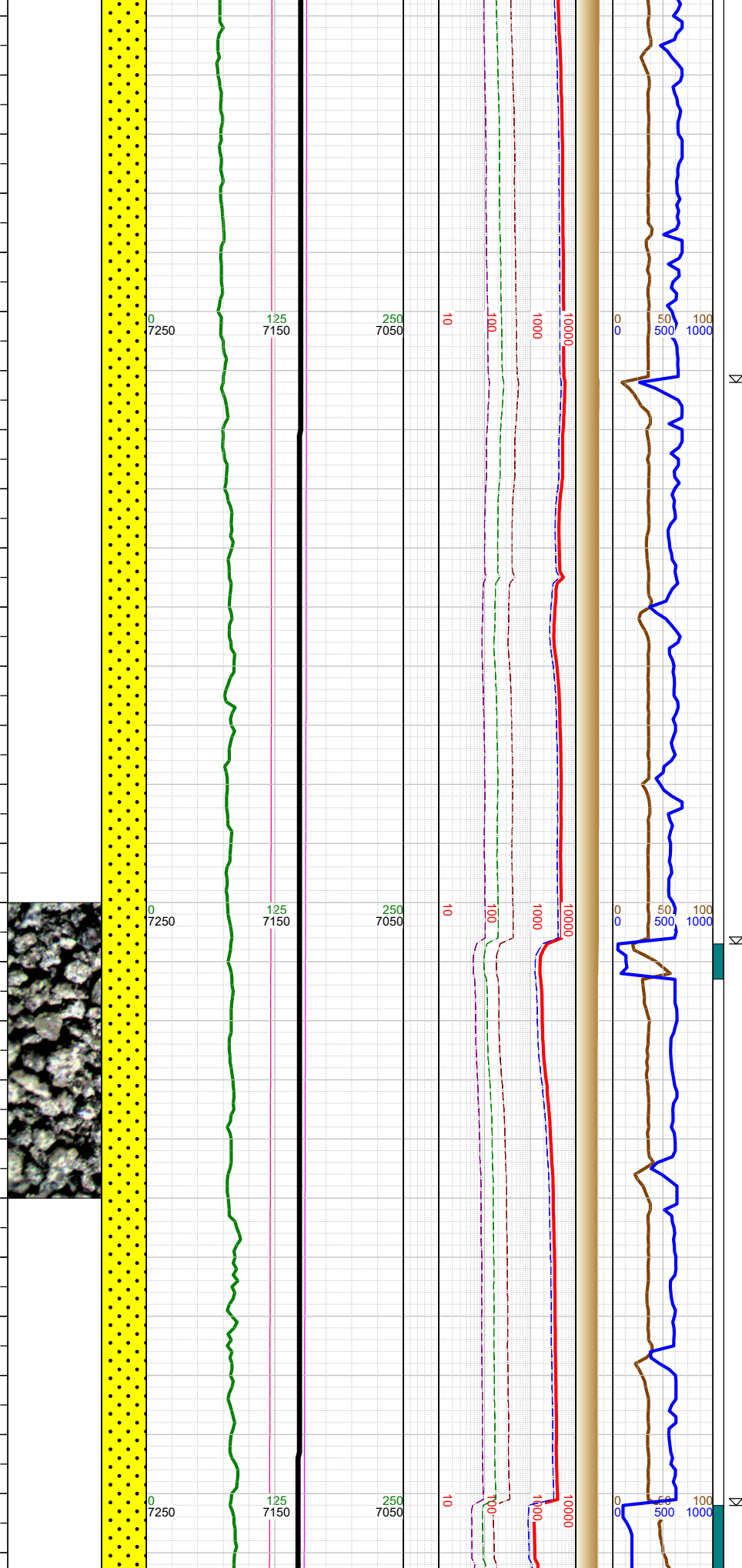
-10500 WT 9.7,
VIS 45

-10544 INC

-10500 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, pred med
gr sb ang-sb rd qtz grs,
sme sb ang-sb rd f gr clus
w/ sil-arg cmt, frm-sl hd, p
srt, ip sl calc; tr pyr;



-10550
-10560
-10570
-10580
-10590
-10600
-10610
-10620
-10630
-10640
-10650
-10660
-10670
-10680
-10690
-10700
-10710
-10720
-10730
-10740
-10750
-10760
-10770
-10780
-10790
-10800
-10810



89.93, AZM
88.43, TVD
7130.37

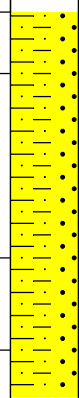
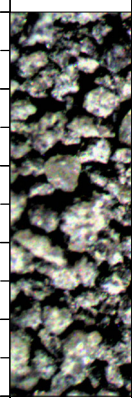
-10600 WT 9.7,
VIS 45

-10638 INC
89.88, AZM
87.95, TVD
7130.53

-10700 WT 9.7,
VIS 45

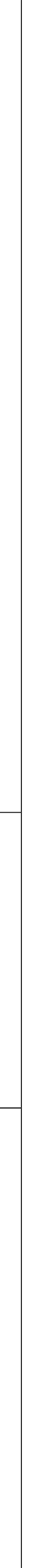
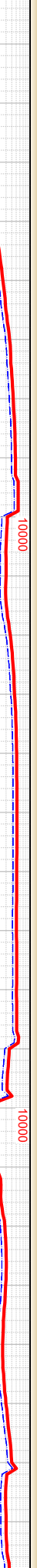
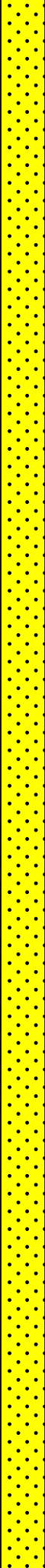
-10732 INC
89.84, AZM
86.85, TVD
7130.76

-10800 WT 9.7,
VIS 45



-10750 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, pred med
gr sb ang-sb rd qtz grs,
sme sb ang-sb rd f gr clus
w/ sil-arg cmt, frm-sl hd, p
srt, ip sl calc; tr pyr;

-10820
-10830
-10840
-10850
-10860
-10870
-10880
-10890
-10900
-10910
-10920
-10930
-10940
-10950
-10960
-10970
-10980
-10990
-11000
-11010
-11020
-11030
-11040
-11050
-11060
-11070



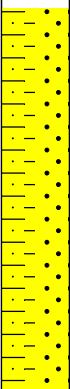
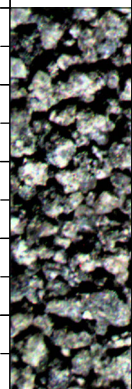
-10827 INC
88.78, AZM
89.27, TVD
7131.9



-10893 0000 hrs
on 5/21/2021

-10910 WT 9.7,
VIS 45

-10921 INC
89.09, AZM
88.26, TVD
7133.65

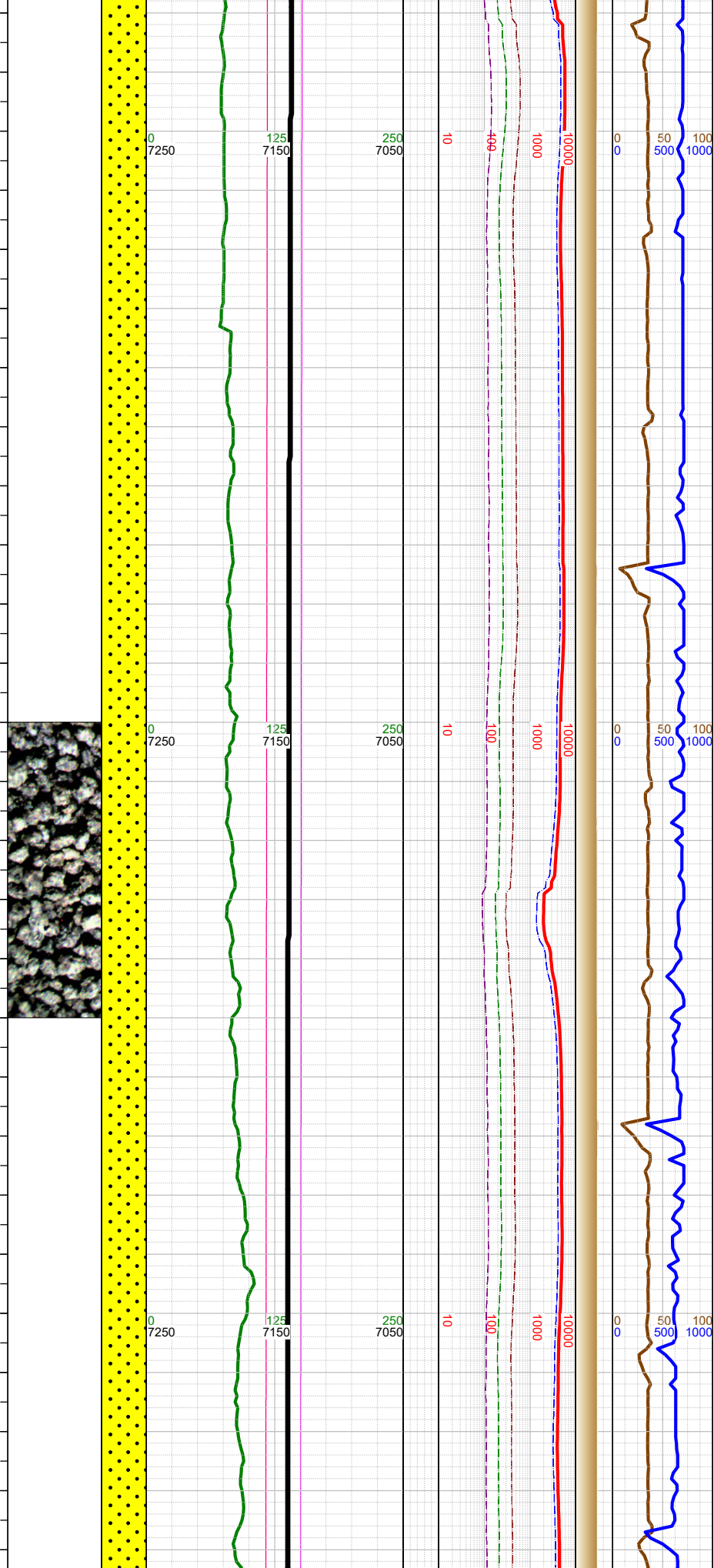


-11000 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, pred med
gr sb ang-sb rd qtz grs,
sme sb ang-sb rd f gr clus
w/ sil-arg cmt, frm-sl hd, p
srt, ip sl calc; freq pyr;

-11000 WT 9.8,
VIS 45

-11015 INC
88.47, AZM
91.3, TVD
7135.65

-11080
-11090
-11100
-11110
-11120
-11130
-11140
-11150
-11160
-11170
-11180
-11190
-11200
-11210
-11220
-11230
-11240
-11250
-11260
-11270
-11280
-11290
-11300
-11310
-11320
-11330
-11340



K
K
K

-11100 WT 9.8,
VIS 45

-11109 INC
88.95, AZM
91.52, TVD
7137.77

-11203 INC
89.26, AZM
91.39, TVD
7139.24

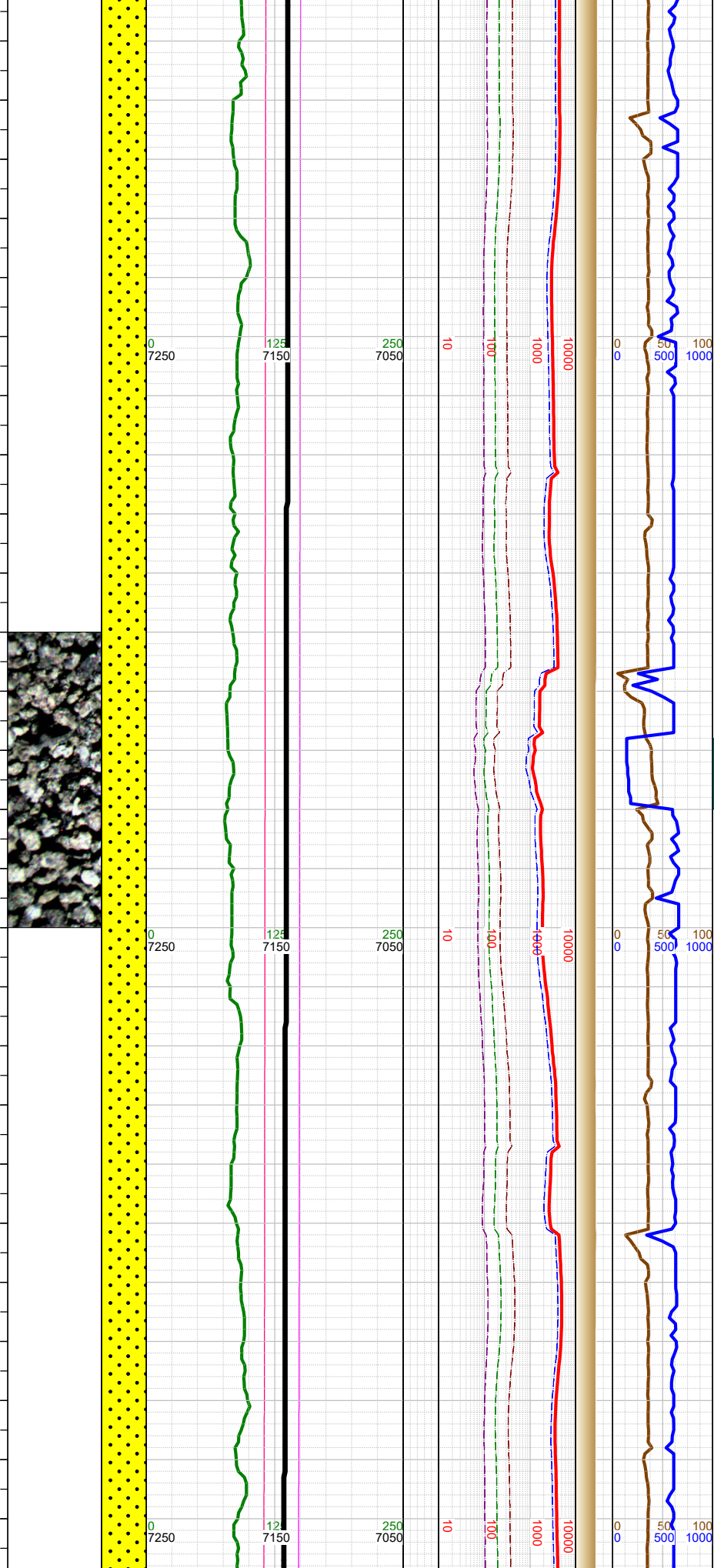
-11220 WT 9.8,
VIS 45

-11298 INC
89.84, AZM
91.74, TVD
7139.98

-11310 WT 9.8,
VIS 45

-11250 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, pred med
gr sb ang-sb rd qtz grs,
sme sb ang-sb rd f gr clus
w/ sil-arg cmt, frm-sl hd, p
srt, ip sl calc; tr pyr;

-11350
-11360
-11370
-11380
-11390
-11400
-11410
-11420
-11430
-11440
-11450
-11460
-11470
-11480
-11490
-11500
-11510
-11520
-11530
-11540
-11550
-11560
-11570
-11580
-11590
-11600



K

K

K

-11392 INC
89.97, AZM
92.14, TVD
7140.14

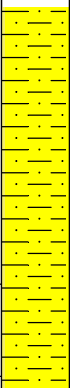
-11410 WT 9.8,
VIS 45

-11486 INC
88.91, AZM
90.99, TVD
7141.06

-11500 WT 9.8,
VIS 45

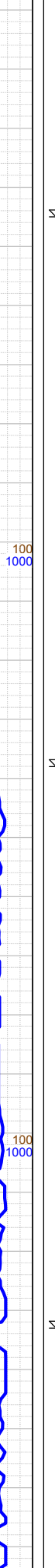
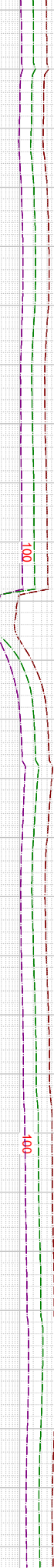
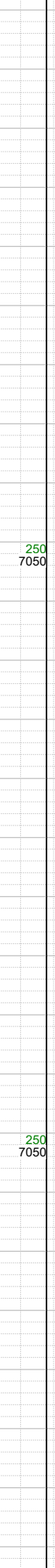
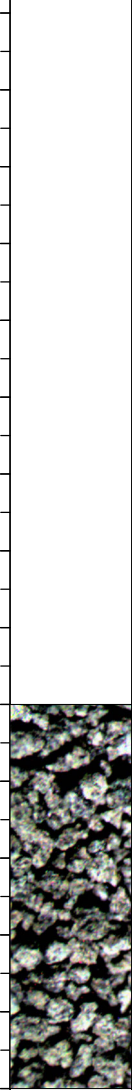
-11579 INC
89.44, AZM
91.17, TVD
7142.4

-11600 WT 9.8,
VIS 45



-11500 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, pred med
gr sb ang-sb rd qtz grs,
sme sb ang-sb rd f gr clus
w/ sil-arg cmt, frm-sl hd, p
srt, ip sl calc; SHLY
SLTST: med gy, frm, blk-
sb blk, gr-rthy, sl calc; tr
pyr;

-11610
-11620
-11630
-11640
-11650
-11660
-11670
-11680
-11690
-11700
-11710
-11720
-11730
-11740
-11750
-11760
-11770
-11780
-11790
-11800
-11810
-11820
-11830
-11840
-11850
-11860
-11870



K

K

K

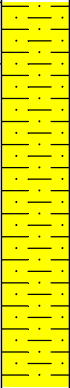
-11672 INC
89.7, AZM
90.99, TVD
7143.1

-11700 WT 9.8,
VIS 45

-11766 INC
89.84, AZM
92.09, TVD
7143.47

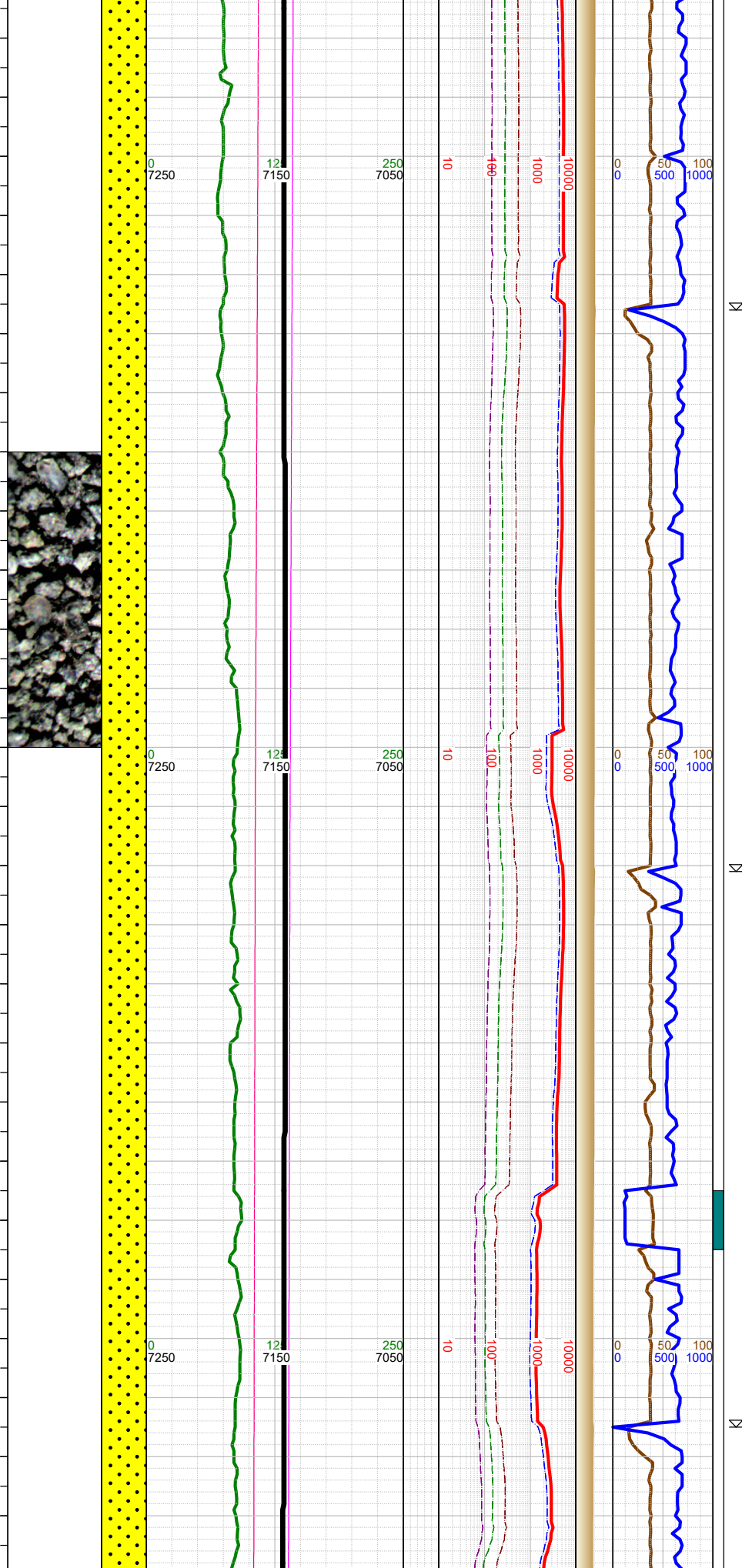
-11800 WT 9.8,
VIS 45

-11860 INC
90.5, AZM
91.78, TVD
7143.19



-11750 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SHLY SLTST: med gy, frm,
blky-sb blky, gr-rthy, sl
calc; tr pyr;

-11880
-11890
-11900
-11910
-11920
-11930
-11940
-11950
-11960
-11970
-11980
-11990
-12000
-12010
-12020
-12030
-12040
-12050
-12060
-12070
-12080
-12090
-12100
-12110
-12120
-12130



-11900 WT 9.8,
VIS 49

-11954 INC
90.37, AZM
91.25, TVD
7142.48

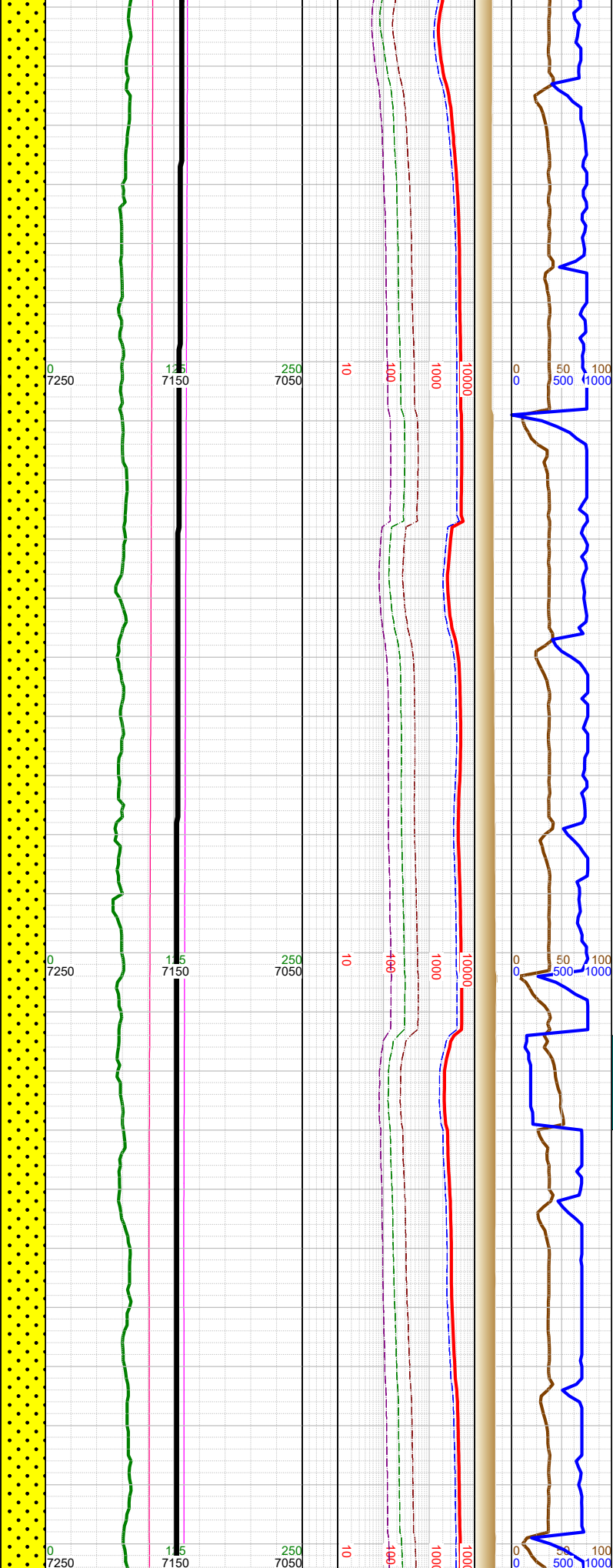
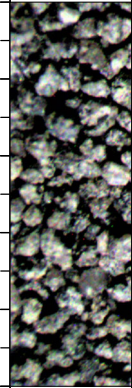
-12000 WT 9.8,
VIS 49

-12049 INC
89.93, AZM
91.21, TVD
7142.23

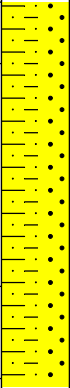
-12100 WT 9.8,
VIS 49

-12000 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, pred med
gr sb ang-sb rd qtz grs,
sme sb ang-sb rd f gr clus
w/ sil-arg cmt, frm-sl hd, p
srt, ip sl calc; tr pyr;

-12140
-12150
-12160
-12170
-12180
-12190
-12200
-12210
-12220
-12230
-12240
-12250
-12260
-12270
-12280
-12290
-12300
-12310
-12320
-12330
-12340
-12350
-12360
-12370
-12380
-12390
-12400

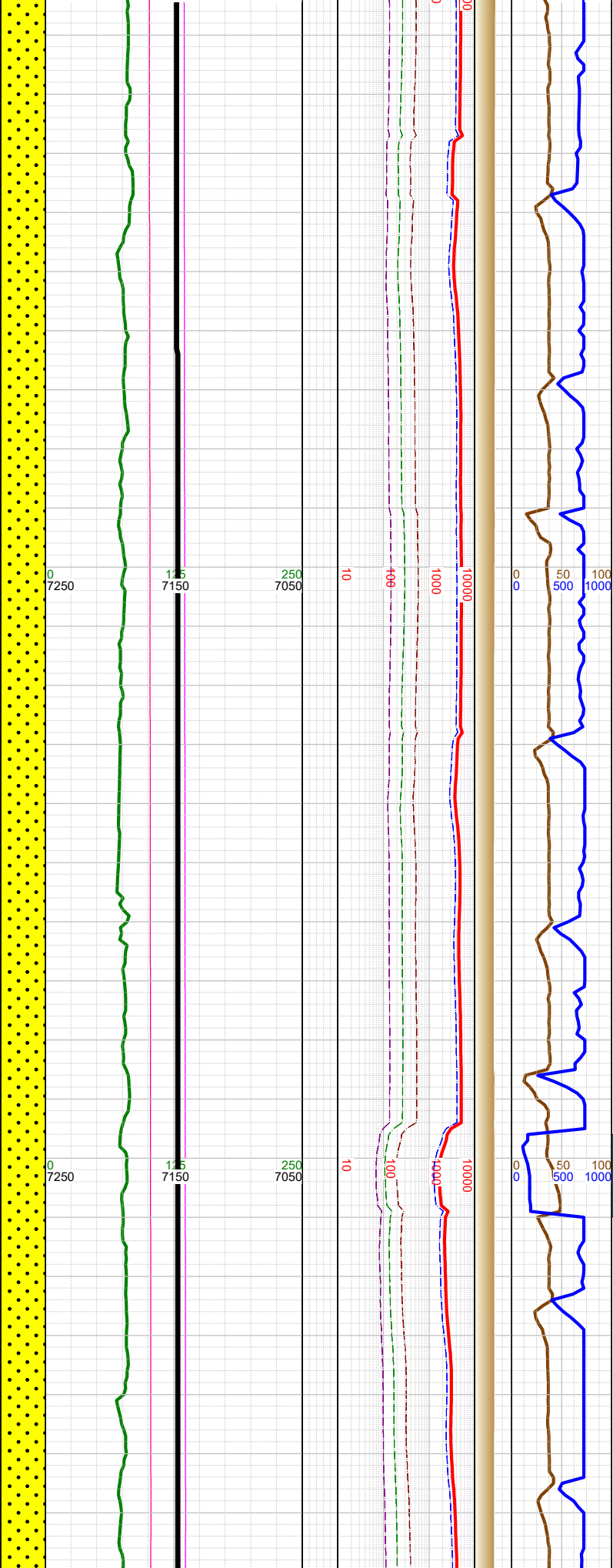
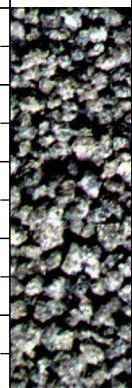


-12142 INC 88.25, AZM 90.81, TVD 7143.71	☀
-12200 WT 9.9, VIS 50	⊗
-12237 INC 88.03, AZM 90.11, TVD 7146.79	
-12300 WT 9.9, VIS 50	⊗
-12331 INC 89.97, AZM 89.14, TVD 7148.43	
-12400 WT 9.9,	⊗



-12250 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SS: pred lt brn, pred med gr sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; tr pyr;

-12410
-12420
-12430
-12440
-12450
-12460
-12470
-12480
-12490
-12500
-12510
-12520
-12530
-12540
-12550
-12560
-12570
-12580
-12590
-12600
-12610
-12620
-12630
-12640
-12650
-12660



☀
N

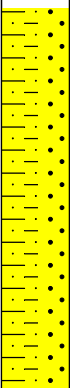
VIS 50
-12425 INC
90.54, AZM
88.74, TVD
7148.01

-12500 WT 9.8,
VIS 51

-12519 INC
90.99, AZM
88.43, TVD
7146.76

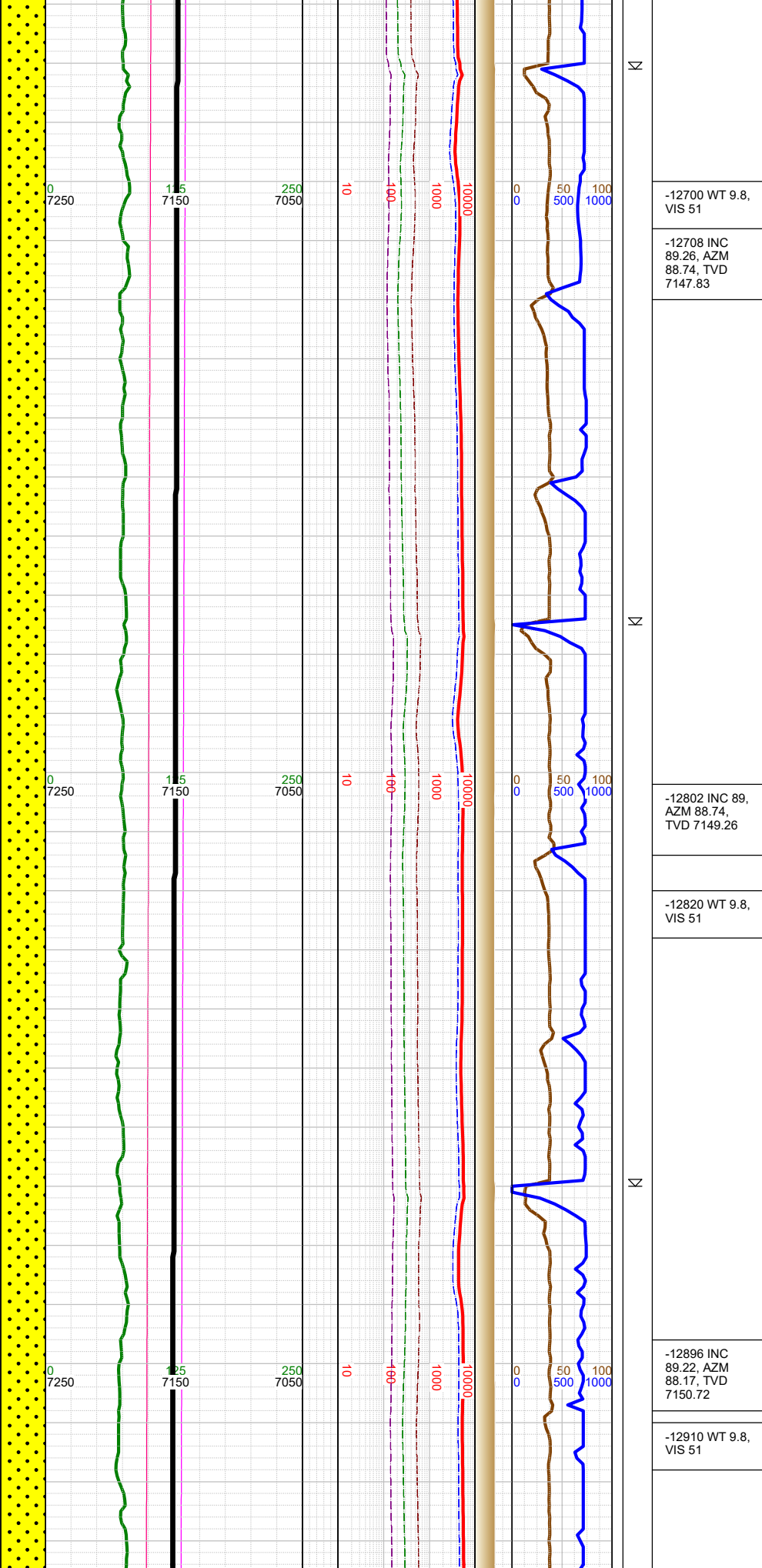
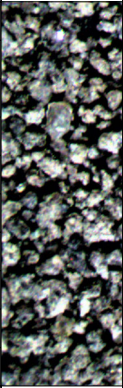
-12600 WT 9.8,
VIS 51

-12614 INC
89.22, AZM
88.92, TVD
7146.58



-12500 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SS: pred lt brn, pred med gr sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; tr pyr;

-12670
-12680
-12690
-12700
-12710
-12720
-12730
-12740
-12750
-12760
-12770
-12780
-12790
-12800
-12810
-12820
-12830
-12840
-12850
-12860
-12870
-12880
-12890
-12900
-12910
-12920
-12930



N
N
N
N

-12700 WT 9.8,
VIS 51

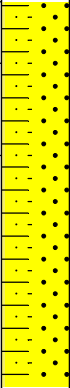
-12708 INC
89.26, AZM
88.74, TVD
7147.83

-12802 INC 89,
AZM 88.74,
TVD 7149.26

-12820 WT 9.8,
VIS 51

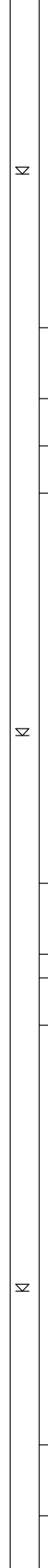
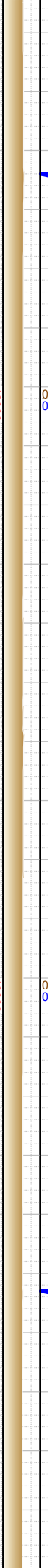
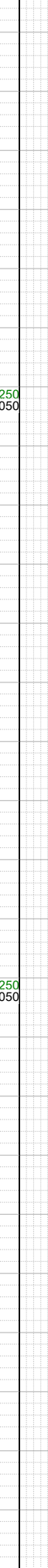
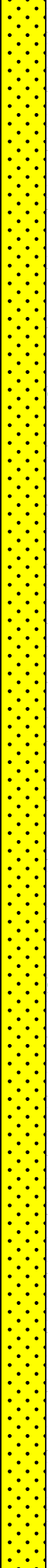
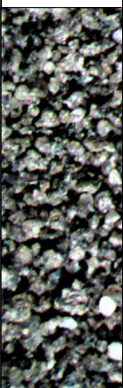
-12896 INC
89.22, AZM
88.17, TVD
7150.72

-12910 WT 9.8,
VIS 51



-12750 SS: pred lt brn,
pred med gr sb ang-sb rd
qtz grs, sme sb ang-sb rd f
gr clus w/ sil-arg cmt, frm-sl
hd, p srt, ip sl calc; SHLY
SS: lt-med gy-brn, fri, f gr,
mod-w srt, sbang-sbrndt,
sil-arg cmt; SHLY SLTST:
med gy, frm, blk-sb blk,
gr-rthy, sl calc;

-12940
-12950
-12960
-12970
-12980
-12990
-13000
-13010
-13020
-13030
-13040
-13050
-13060
-13070
-13080
-13090
-13100
-13110
-13120
-13130
-13140
-13150
-13160
-13170
-13180
-13190
13200



-13000 SS: pred lt brn, pred med gr sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SHLY SLTST: med gy, frm, blk-y-sb blk-y, gr-rthy, sl calc;

-12990 INC
89.04, AZM
87.99, TVD
7152.15

-13010 WT 9.8,
VIS 51

-13084 INC
89.09, AZM
87.82, TVD
7153.68

-13100 WT 9.8,
VIS 51

-13179 INC 89,
AZM 87.33,
TVD 7155.26

K

K

K

0
7250

25
7150

250
7050

10

100

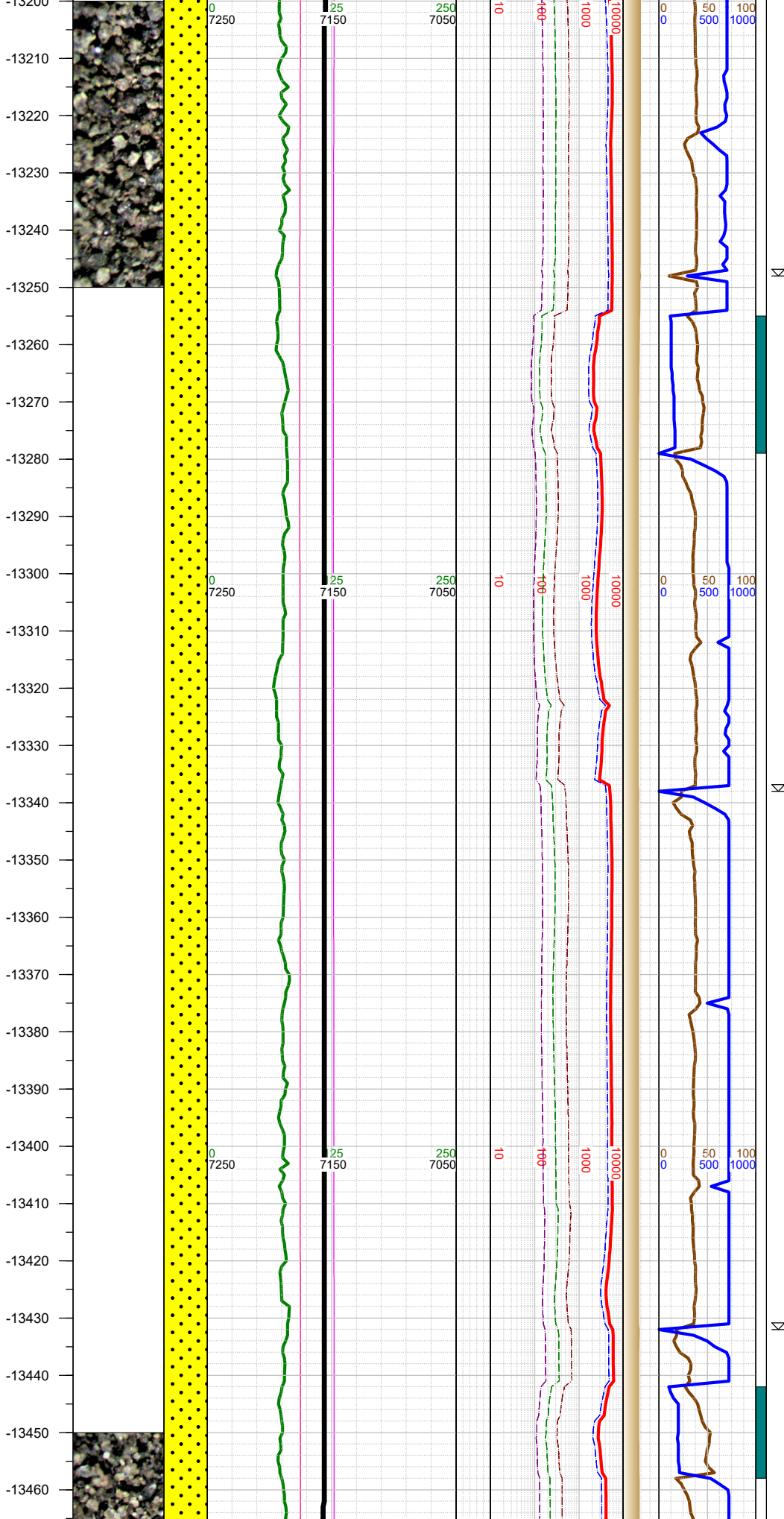
1000

10000

0
0

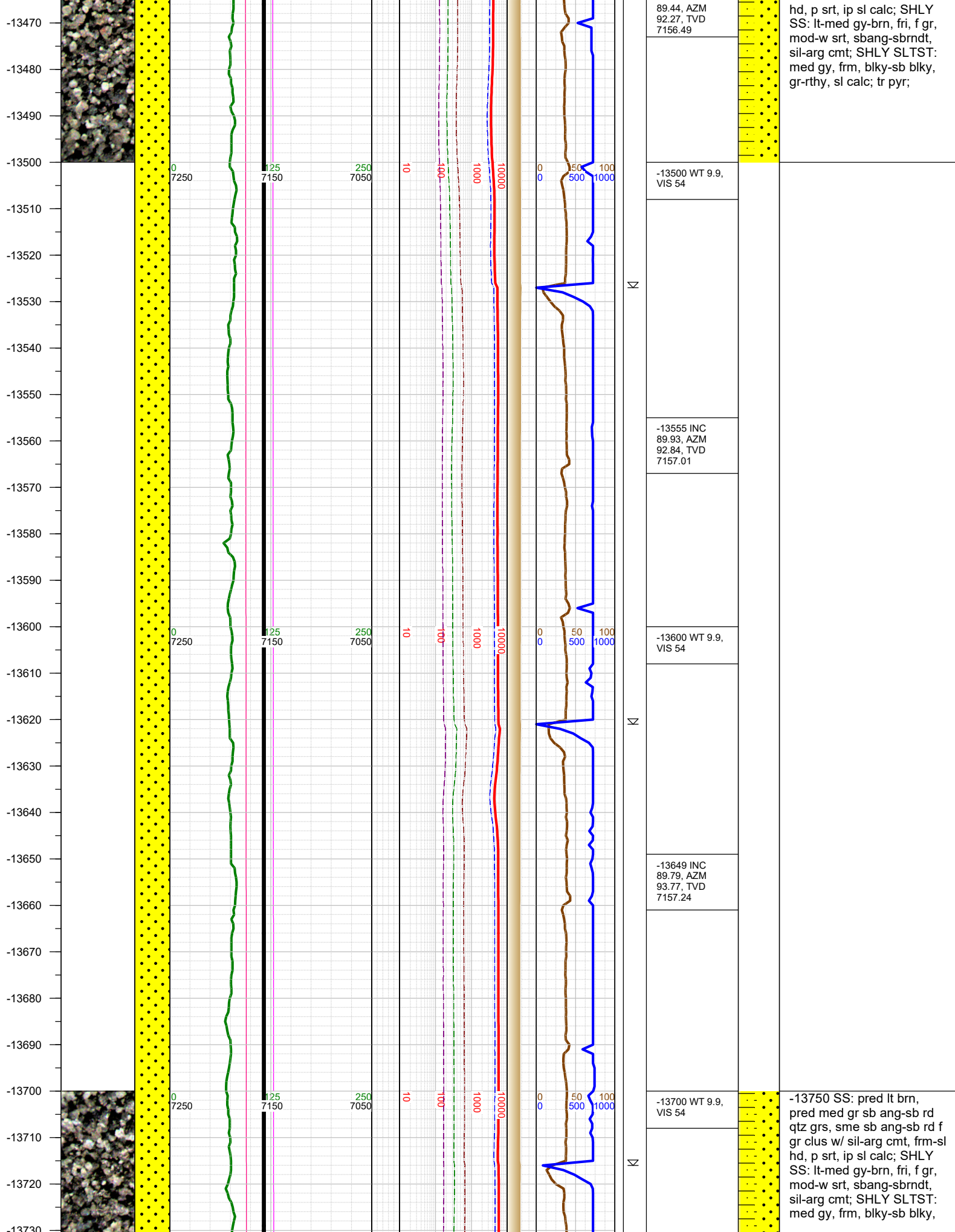
50
500

100
1000



-13250 SS: pred lt brn, pred med gr sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SHLY SLTST: med gy, frm, blk-y-sb blk-y, gr-rthy, sl calc; tr pyr;

-13500 SS: pred lt brn, pred med gr sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl



89.44, AZM
92.27, TVD
7156.49

hd, p srt, ip sl calc; SHLY
SS: lt-med gy-brn, fri, f gr,
mod-w srt, sbang-sbrndt,
sil-arg cmt; SHLY SLTST:
med gy, frm, blk-sb blk,
gr-rthy, sl calc; tr pyr;

-13500 WT 9.9,
VIS 54

-13555 INC
89.93, AZM
92.84, TVD
7157.01

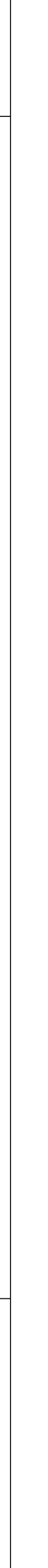
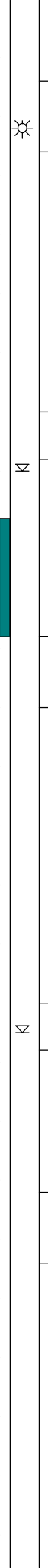
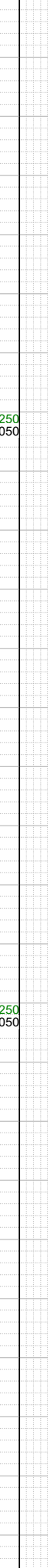
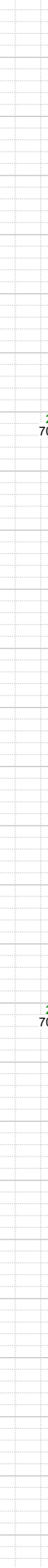
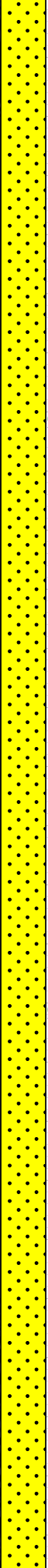
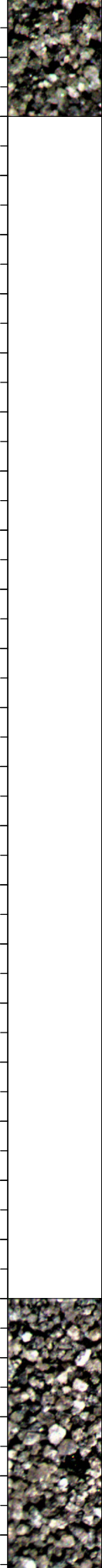
-13600 WT 9.9,
VIS 54

-13649 INC
89.79, AZM
93.77, TVD
7157.24

-13700 WT 9.9,
VIS 54

-13750 SS: pred lt brn,
pred med gr sb ang-sb rd
qtz grs, sme sb ang-sb rd f
gr clus w/ sil-arg cmt, frm-sl
hd, p srt, ip sl calc; SHLY
SS: lt-med gy-brn, fri, f gr,
mod-w srt, sbang-sbrndt,
sil-arg cmt; SHLY SLTST:
med gy, frm, blk-sb blk,

-13740
-13750
-13760
-13770
-13780
-13790
-13800
-13810
-13820
-13830
-13840
-13850
-13860
-13870
-13880
-13890
-13900
-13910
-13920
-13930
-13940
-13950
-13960
-13970
-13980
-13990



K

K

-13744 INC
90.23, AZM
93.85, TVD
7157.22

-13800 WT 9.9,
VIS 54

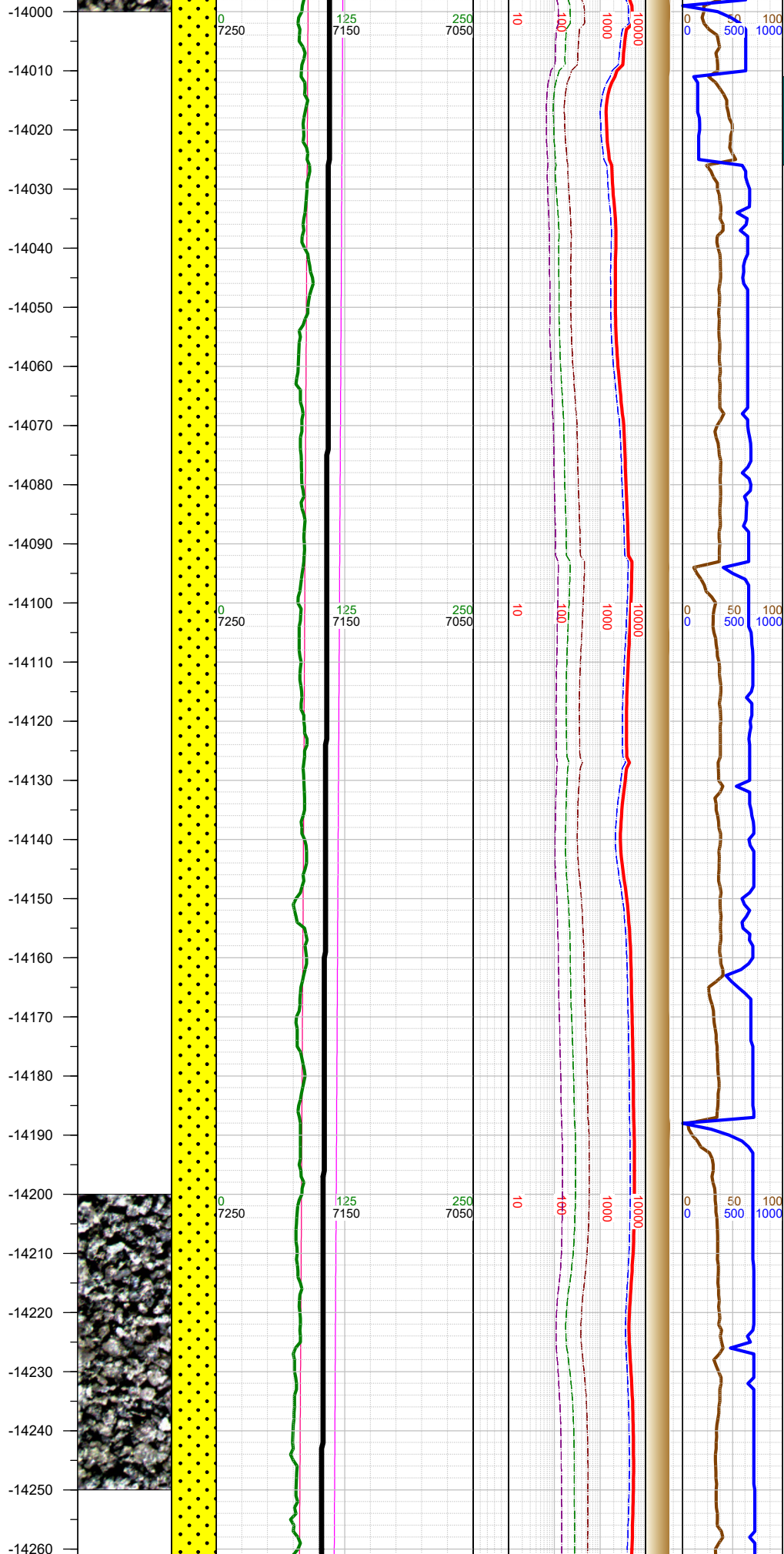
-13838 INC
89.13, AZM
90.55, TVD
7157.75

-13900 WT 9.9,
VIS 55

-13932 INC
87.98, AZM
88.13, TVD
7160.12

gr-rthy, sl calc; tr pyr;

-14000 SS: pred lt brn,
pred med gr sb ang-sb rd
qtz grs, sme sb ang-sb rd f
gr clus w/ sil-arg cmt, frm-sl
hd, p srt, ip sl calc; SHLY
SS: lt-med gy-brn, fri, f gr,
mod-w srt, sbang-sbrndt,
sil-arg cmt; SHLY SLTST:
med gy, frm, blk-y-sb blk-y,
gr-rthy, sl calc; tr pyr;



-14000 WT 9.9,
VIS 55

-14026 INC
89.09, AZM
87.95, TVD
7162.52

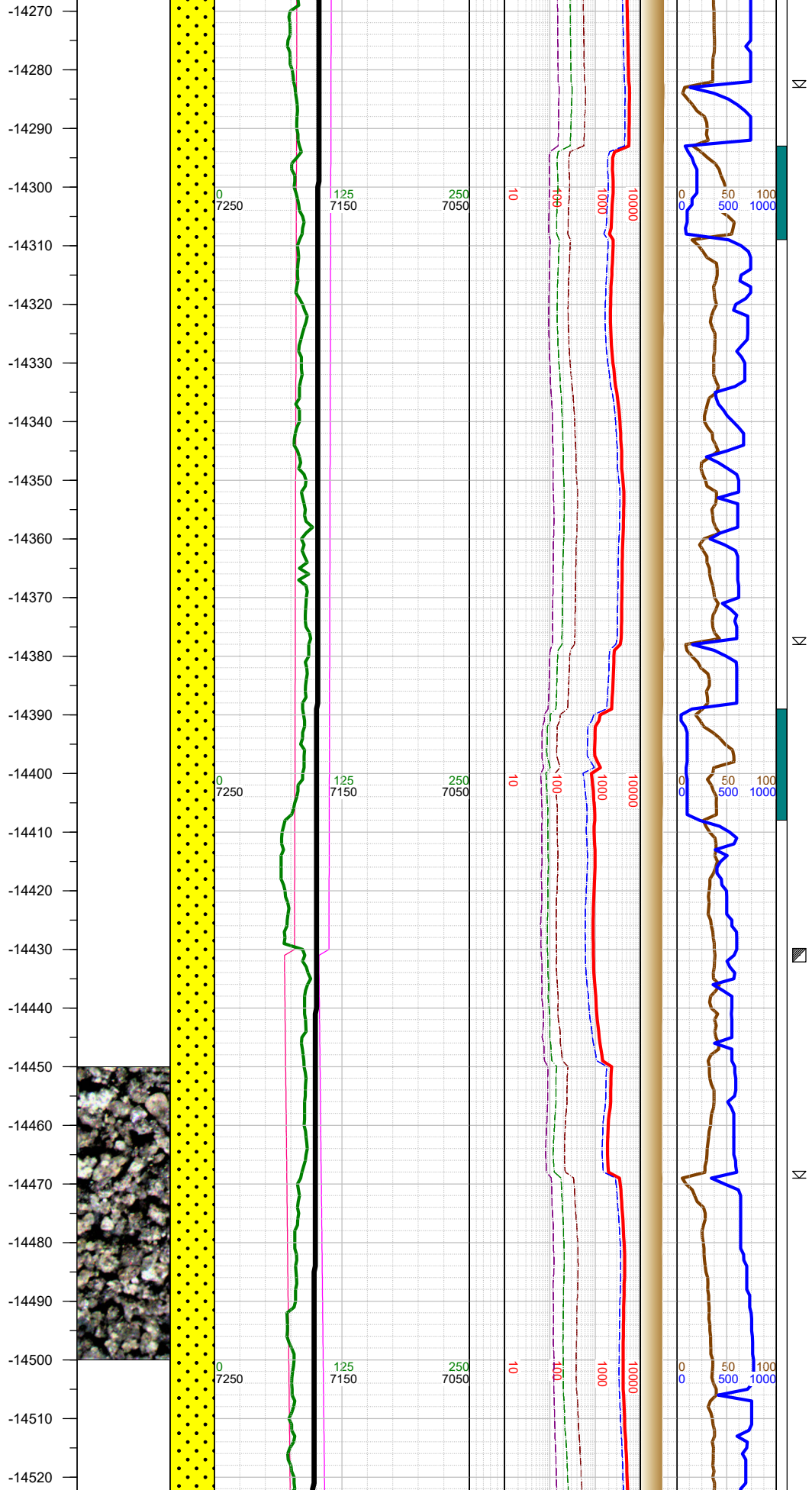
-14100 WT 9.9,
VIS 55

-14121 INC
88.6, AZM
86.89, TVD
7164.44

-14200 WT 9.9,
VIS 55

-14215 INC
88.25, AZM
86.19, TVD
7167.02

-14250 SS: pred lt brn,
pred med gr sb ang-sb rd
qtz grs, sme sb ang-sb rd f
gr clus w/ sil-arg cmt, frm-sl
hd, p srt, ip sl calc; SHLY
SS: lt-med gy-brn, fri, f gr,
mod-w srt, sbang-sbrndt,
sil-arg cmt; SHLY SLTST:
med gy, frm, blk-sb blk,
gr-rthy, sl calc; tr pyr;



-14300 WT 9.9,
VIS 55

-14309 INC
89.75, AZM
87.11, TVD
7168.66

-14403 INC
89.04, AZM
87.9, TVD
7169.65

-14420 WT 9.9,
VIS 55

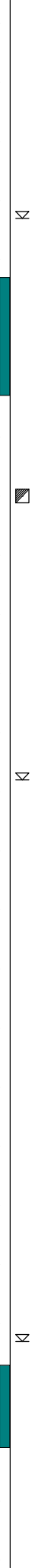
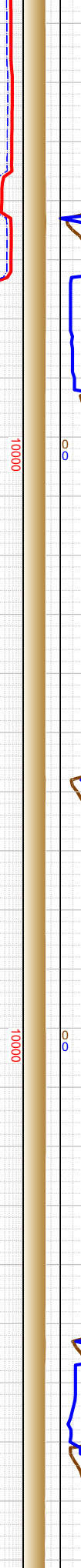
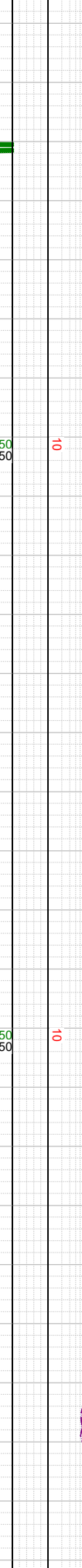
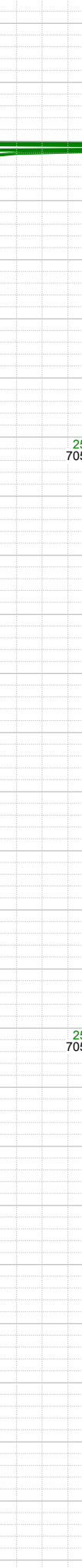
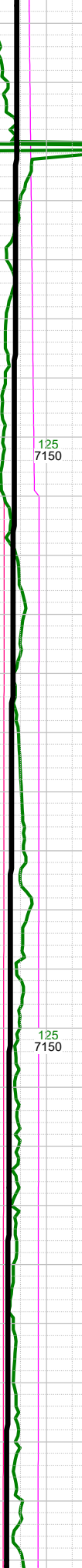
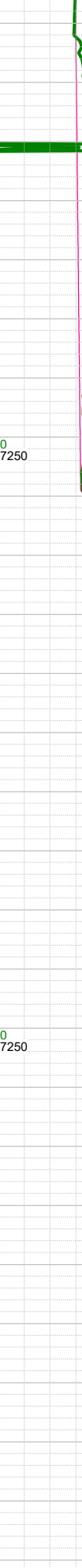
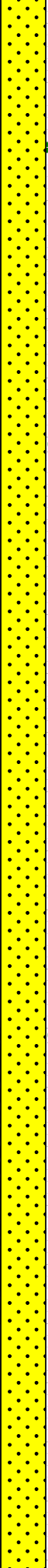
-14431 Fault: 8'
down-throw;
stayed in Codell

-14500 SS: pred lt brn,
pred med gr sb ang-sb rd
qtz grs, sme sb ang-sb rd f
gr clus w/ sil-arg cmt, frm-sl
hd, p srt, ip sl calc; SHLY
SS: lt-med gy-brn, fri, f gr,
mod-w srt, sbang-sbrndt,
sil-arg cmt; SHLY SLTST:
med gy, frm, blk-sb blk,
gr-rthy, sl calc; tr pyr;

-14498 INC
88.38, AZM
87.42, TVD
7171.79

-14510 WT 9.9,
VIS 54

-14530
-14540
-14550
-14560
-14570
-14580
-14590
-14600
-14610
-14620
-14630
-14640
-14650
-14660
-14670
-14680
-14690
-14700
-14710
-14720
-14730
-14740
-14750
-14760
-14770
-14780
-14790



-14592 INC
88.11, AZM
89.8, TVD
7174.67

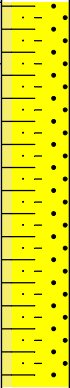
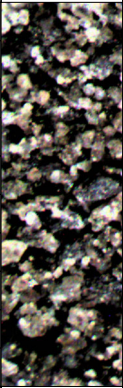
-14610 Fault: 4'
up-throw; stayed
in Codell

-14630 WT 9.9,
VIS 54

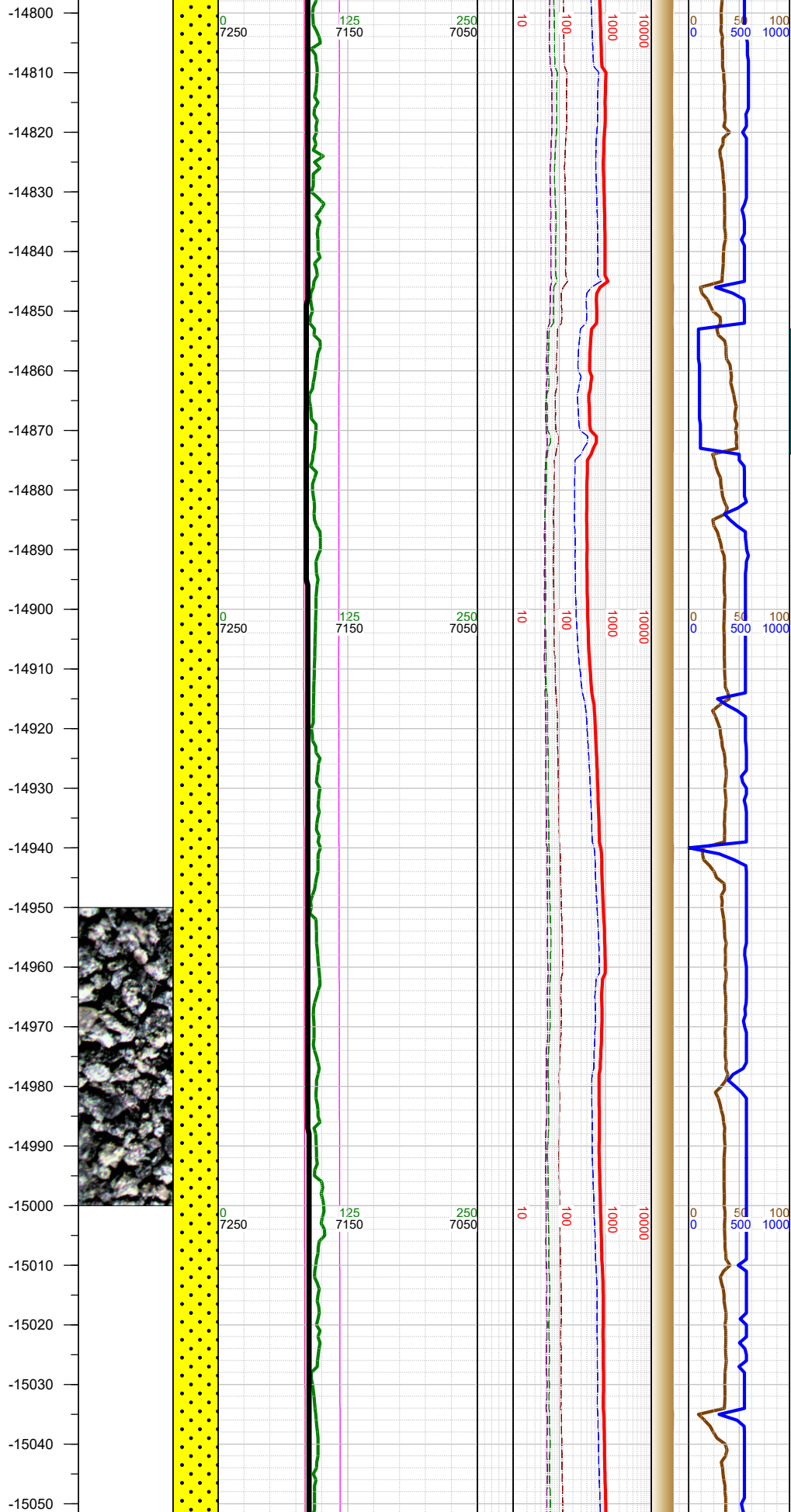
-14686 INC
87.89, AZM
90.24, TVD
7177.95

-14700 WT 9.9,
VIS 54

-14780 INC
88.51, AZM
90.06, TVD
7180.91



-14750 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, pred med
gr sb ang-sb rd qtz grs,
sme sb ang-sb rd f gr clus
w/ sil-arg cmt, frm-sl hd, p
srt, ip sl calc; SHLY
SLTST: med gy, frm, blk-
sb blk, gr-rthy, sl calc; tr
pyr;



-14800 WT 9.9, VIS 54

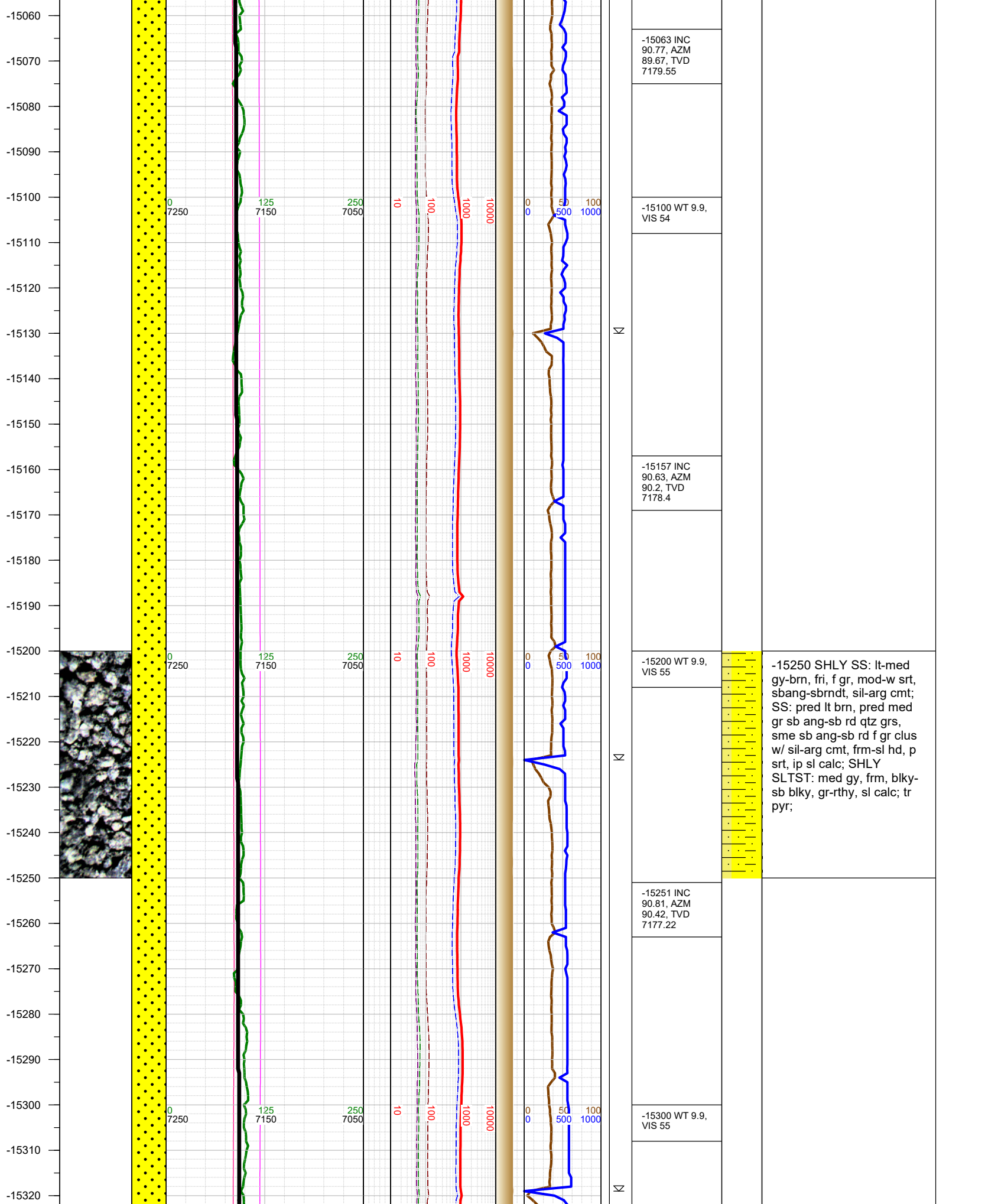
-14874 INC 90.5, AZM 89.98, TVD 7181.72

-14900 WT 9.9, VIS 54

-14968 INC 90.68, AZM 90.33, TVD 7180.75

-15000 WT 9.9, VIS 54

-15000 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SS: pred lt brn, pred med gr sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; SHLY SLTST: med gy, frm, blk-sb blk, gr-rthy, sl calc; tr pyr;



-15063 INC
90.77, AZM
89.67, TVD
7179.55

-15100 WT 9.9,
VIS 54

-15157 INC
90.63, AZM
90.2, TVD
7178.4

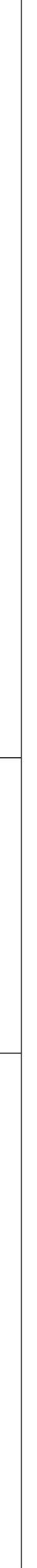
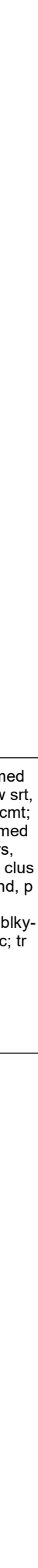
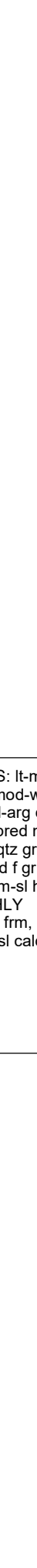
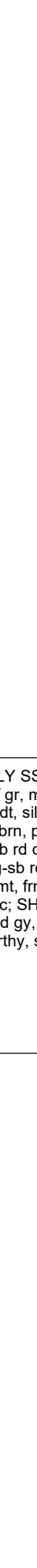
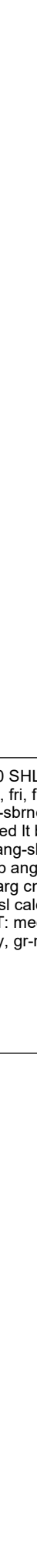
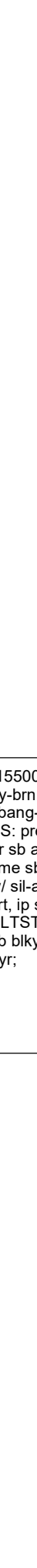
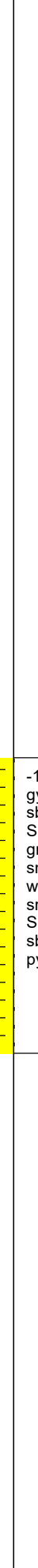
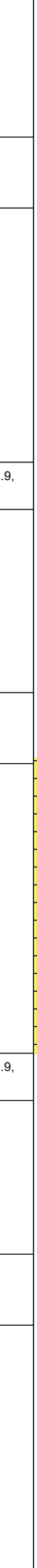
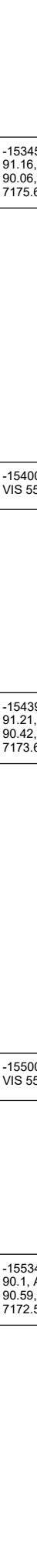
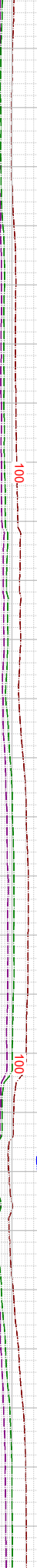
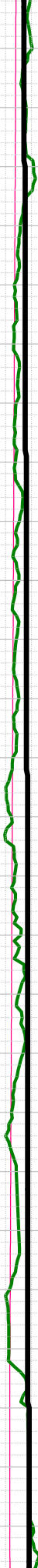
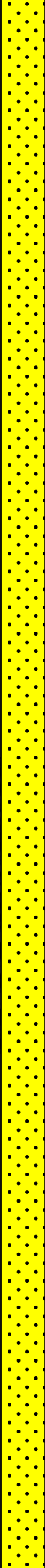
-15200 WT 9.9,
VIS 55

-15250 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, pred med
gr sb ang-sb rd f gr clus
w/ sil-arg cmt, frm-sl hd, p
srt, ip sl calc; SHLY
SLTST: med gy, frm, blk-
sb blk, gr-rthy, sl calc; tr
pyr;

-15251 INC
90.81, AZM
90.42, TVD
7177.22

-15300 WT 9.9,
VIS 55

-15330
-15340
-15350
-15360
-15370
-15380
-15390
-15400
-15410
-15420
-15430
-15440
-15450
-15460
-15470
-15480
-15490
-15500
-15510
-15520
-15530
-15540
-15550
-15560
-15570
-15580



-15345 INC
91.16, AZM
90.06, TVD
7175.6

-15400 WT 9.9,
VIS 55

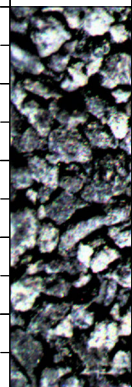
-15439 INC
91.21, AZM
90.42, TVD
7173.66



-15500 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, pred med
gr sb ang-sb rd qtz grs,
sme sb ang-sb rd f gr clus
w/ sil-arg cmt, frm-sl hd, p
srt, ip sl calc; SHLY
SLTST: med gy, frm, blk-
sb blk, gr-rthy, sl calc; tr
pyr;

-15500 WT 9.9,
VIS 55

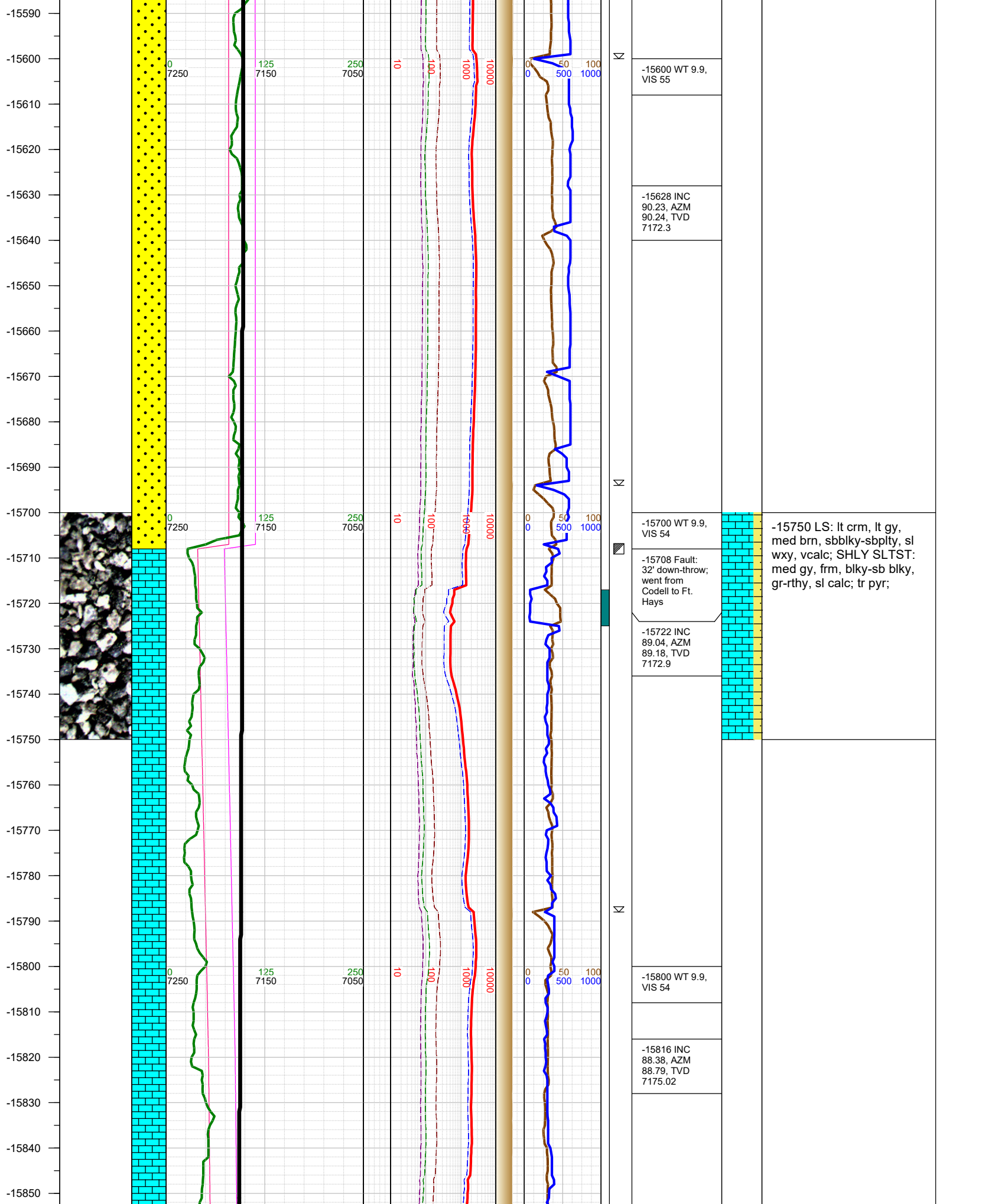
-15534 INC
90.1, AZM
90.59, TVD
7172.57

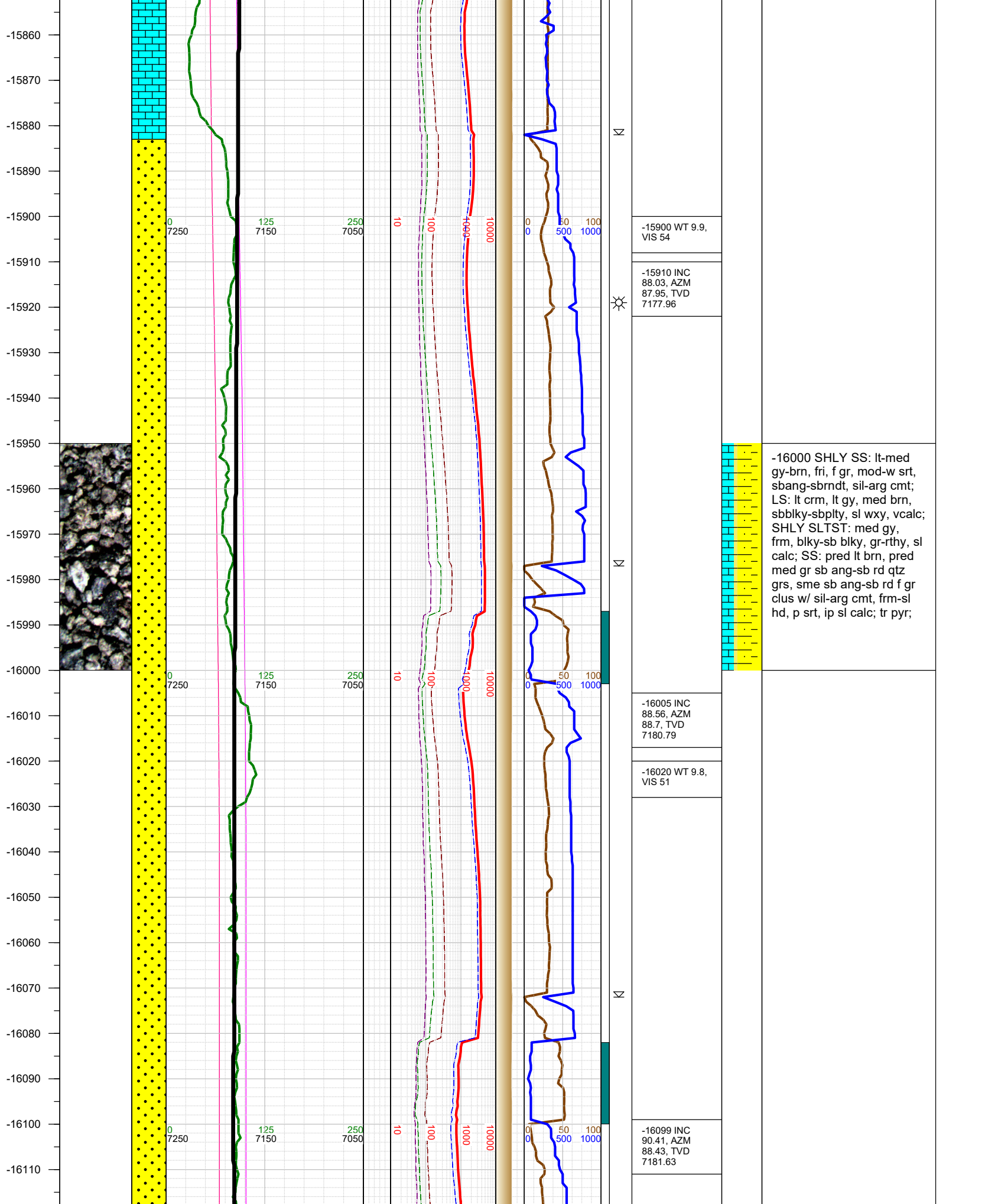


N

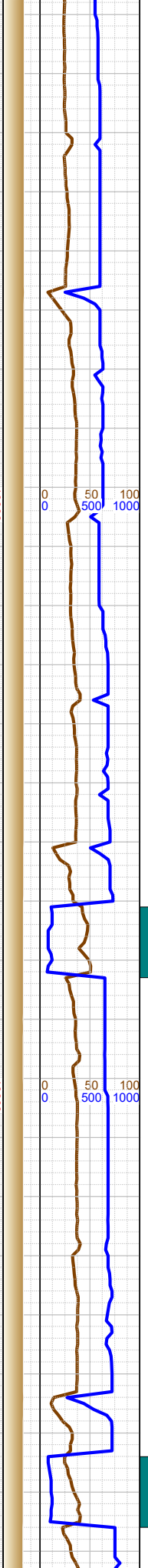
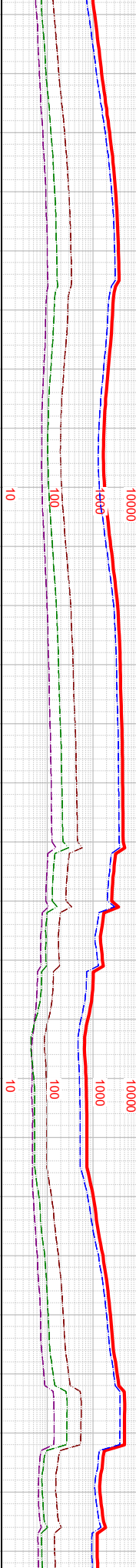
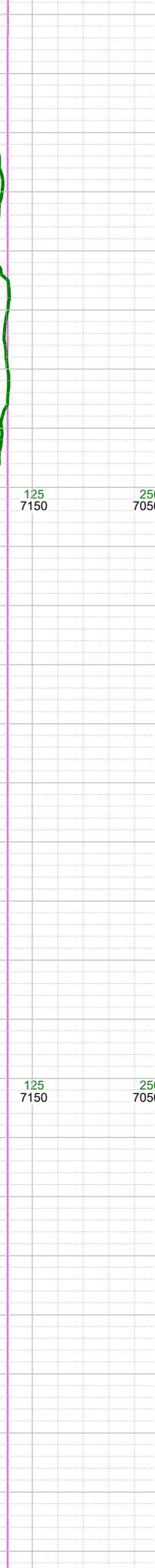
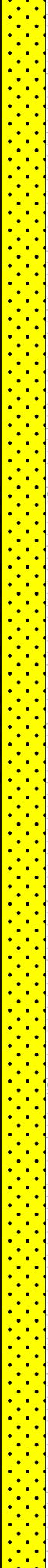
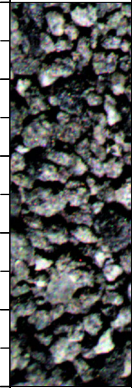
N

N





-16120
-16130
-16140
-16150
-16160
-16170
-16180
-16190
-16200
-16210
-16220
-16230
-16240
-16250
-16260
-16270
-16280
-16290
-16300
-16310
-16320
-16330
-16340
-16350
-16360
-16370
-16380



⊗
K
⊗
K
⊗
K

-16120 WT 9.8,
VIS 51

-16193 INC
91.25, AZM
87.55, TVD
7180.27

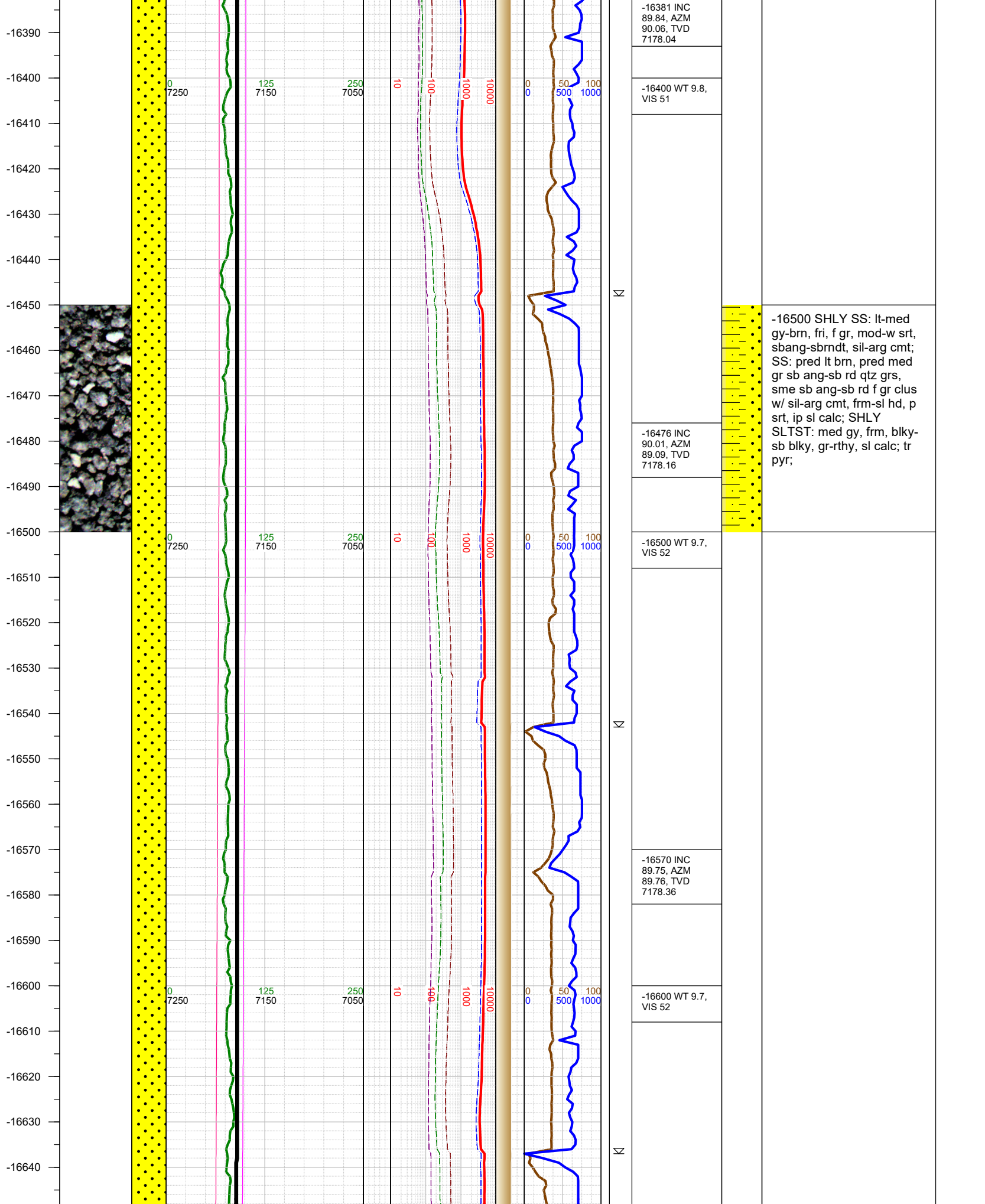
-16210 WT 9.8,
VIS 51

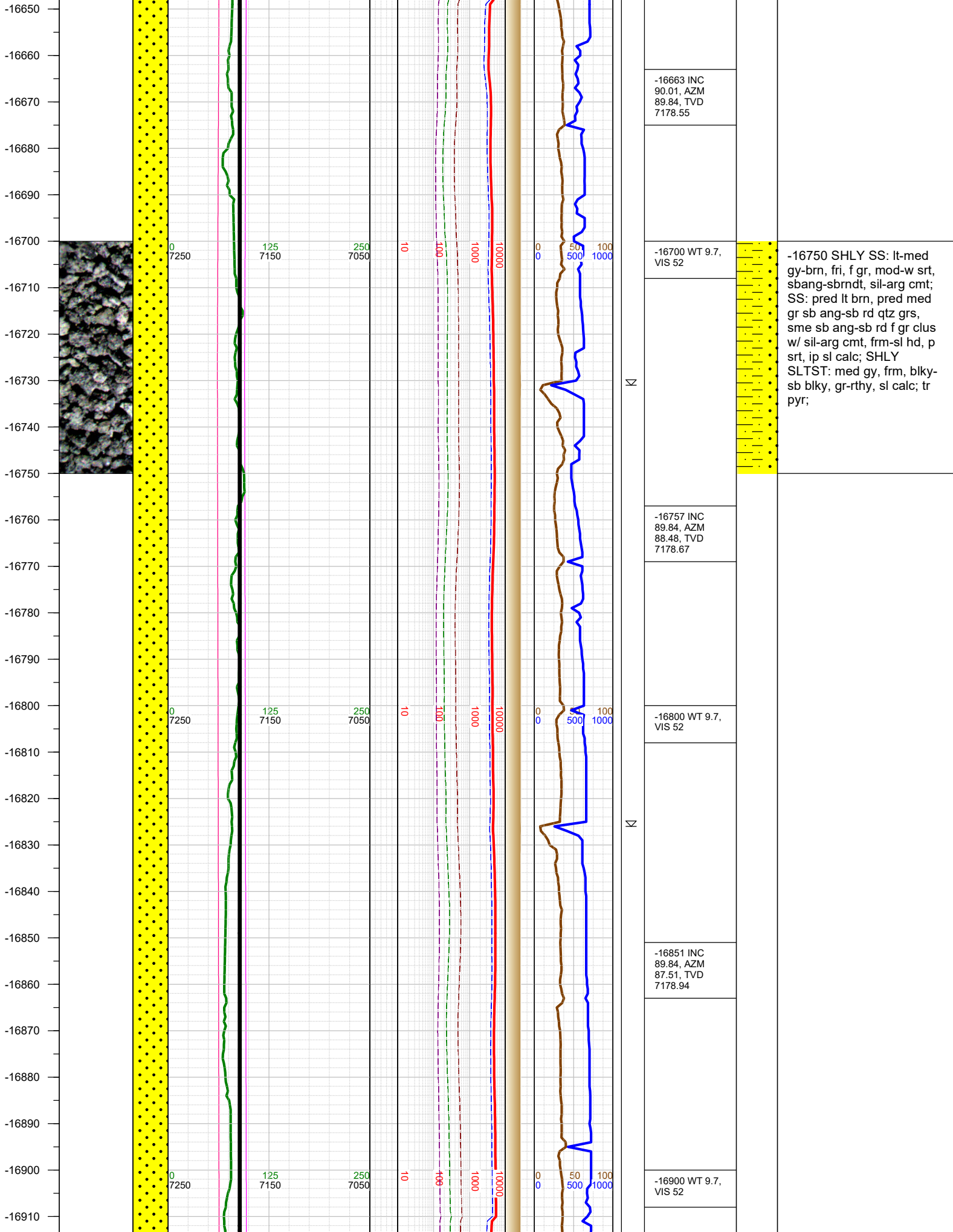
-16288 INC
90.81, AZM
88.57, TVD
7178.56

-16300 WT 9.8,
VIS 51

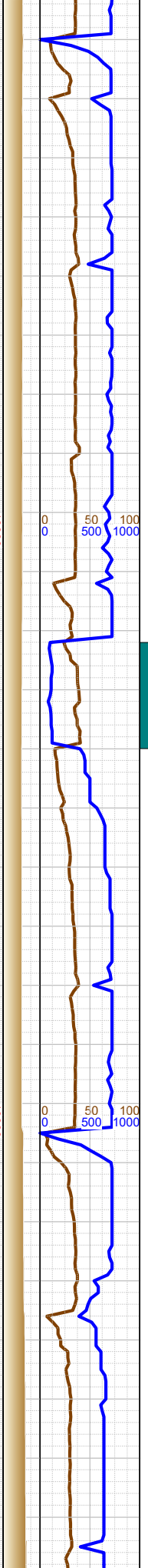
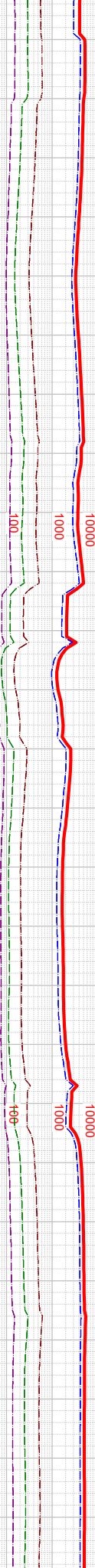
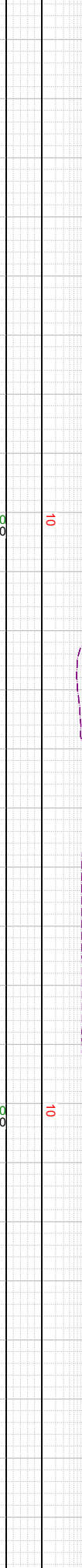
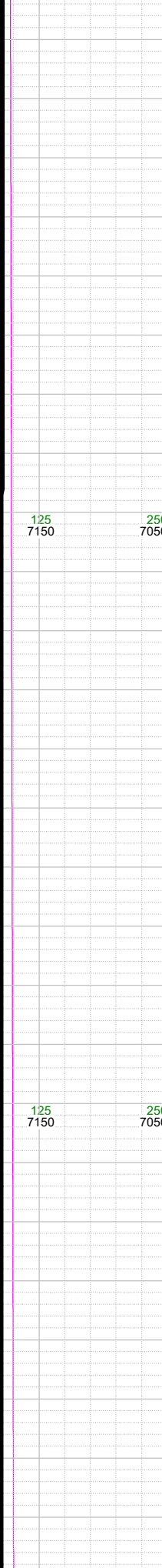
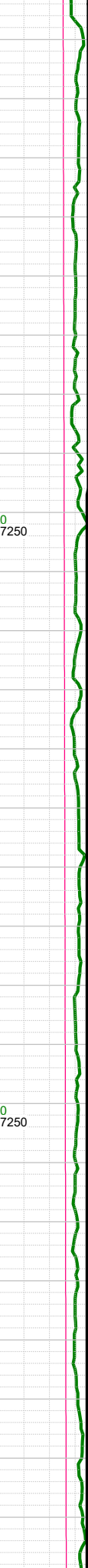
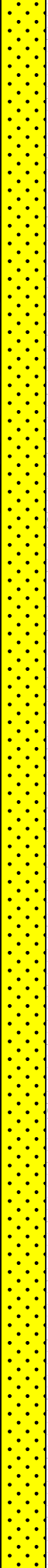
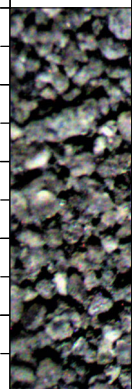


-16250 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SHLY SLTST: med gy, frm,
blky-sb blky, gr-rthy, sl
calc; SS: pred lt brn, pred
med gr sb ang-sb rd qtz
grs, sme sb ang-sb rd f gr
clus w/ sil-arg cmt, frm-sl
hd, p srt, ip sl calc; tr pyr;





-16920
-16930
-16940
-16950
-16960
-16970
-16980
-16990
-17000
-17010
-17020
-17030
-17040
-17050
-17060
-17070
-17080
-17090
-17100
-17110
-17120
-17130
-17140
-17150
-17160
-17170



N

N

N

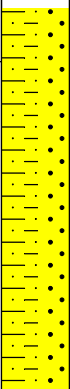
-16945 INC
89.75, AZM
88.13, TVD
7179.27

-17000 WT 9.7,
VIS 52

-17040 INC
89.75, AZM
90.24, TVD
7179.69

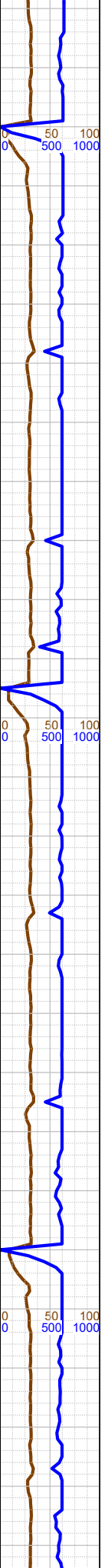
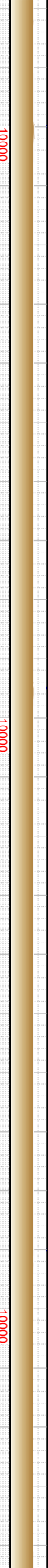
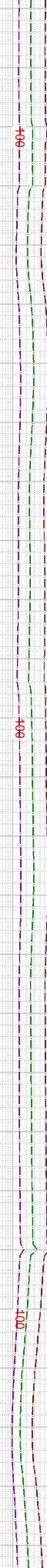
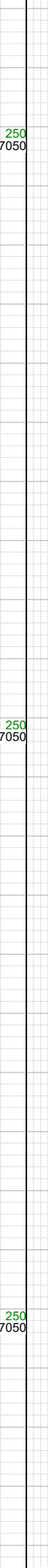
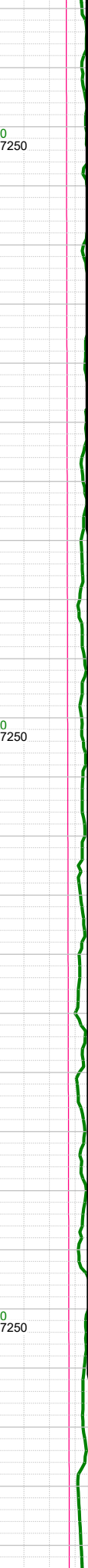
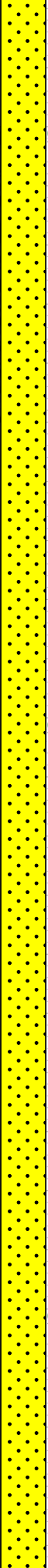
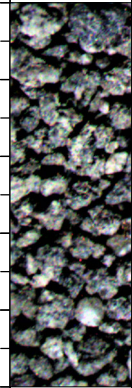
-17100 WT 9.7,
VIS 52

-17134 INC
89.93, AZM
89.98, TVD
7179.95



-17000 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, pred med
gr sb ang-sb rd qtz grs,
sme sb ang-sb rd f gr clus
w/ sil-arg cmt, frm-sl hd, p
srt, ip sl calc; tr pyr;

-17180
-17190
-17200
-17210
-17220
-17230
-17240
-17250
-17260
-17270
-17280
-17290
-17300
-17310
-17320
-17330
-17340
-17350
-17360
-17370
-17380
-17390
-17400
-17410
-17420
-17430
-17440



N
N
N

-17200 WT 9.7,
VIS 52

-17228 INC
90.32, AZM
89.18, TVD
7179.75

-17300 WT 9.7,
VIS 52

-17322 INC
90.37, AZM
88.96, TVD
7179.18

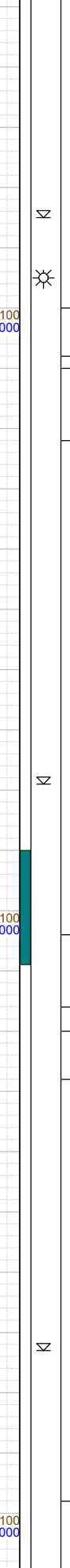
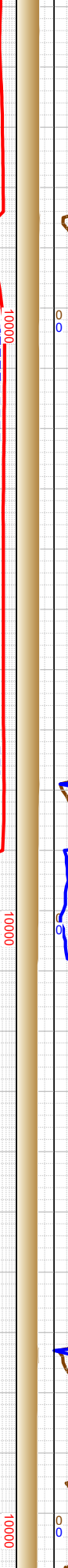
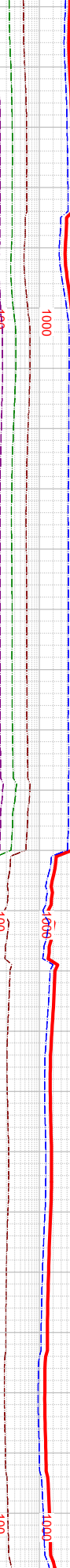
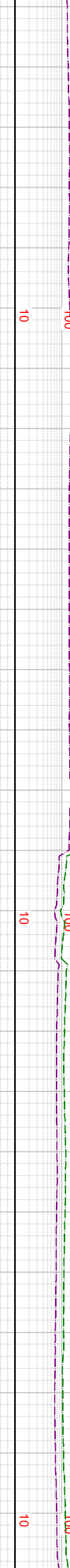
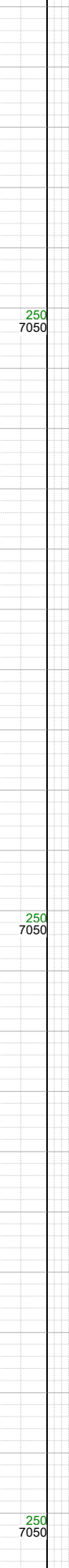
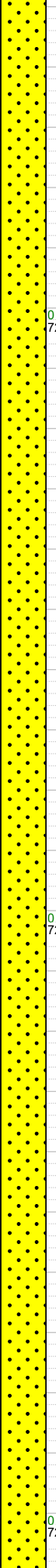
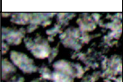
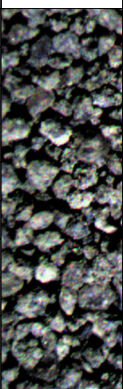
-17400 WT 9.8,
VIS 54

-17416 INC
90.5, AZM
89.93, TVD
7178.47



-17250 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SHLY SLTST: med gy, frm,
blky-sb blk, gr-rthy, sl
calc; SS: pred lt brn, pred
med gr sb ang-sb rd qtz
grs, sme sb ang-sb rd f gr
clus w/ sil-arg cmt, frm-sl
hd, p srt, ip sl calc; tr pyr;

-17450
-17460
-17470
-17480
-17490
-17500
-17510
-17520
-17530
-17540
-17550
-17560
-17570
-17580
-17590
-17600
-17610
-17620
-17630
-17640
-17650
-17660
-17670
-17680
-17690
-17700



-17500 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SS: pred lt brn, pred med gr sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; tr pyr;

-17500 WT 9.8, VIS 54

-17510 INC 90.77, AZM 89.49, TVD 7177.42

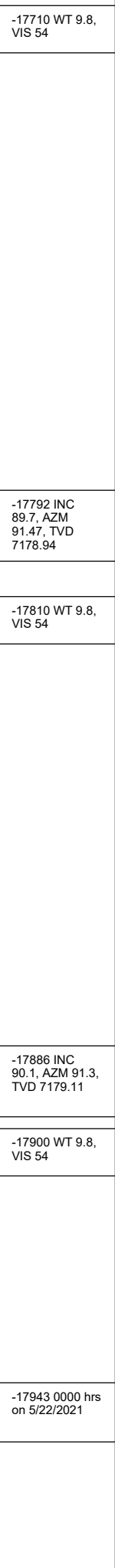
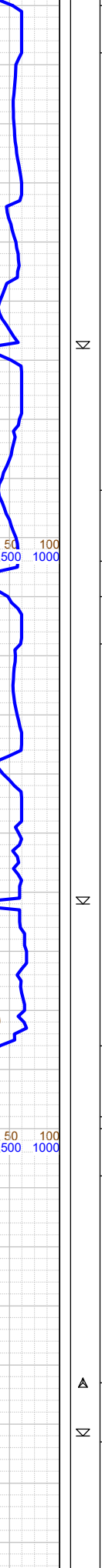
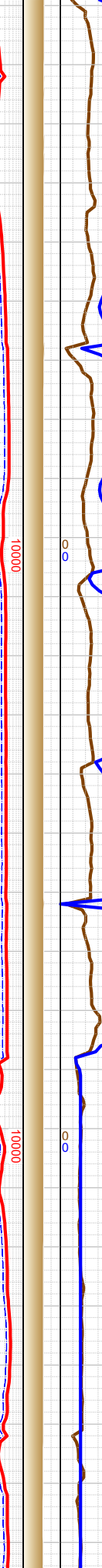
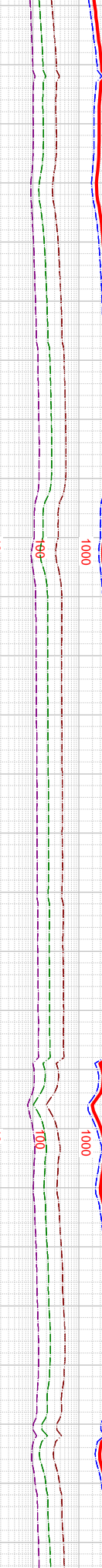
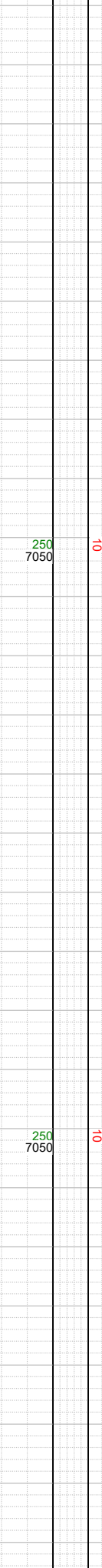
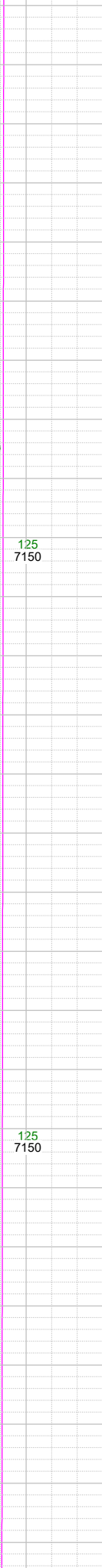
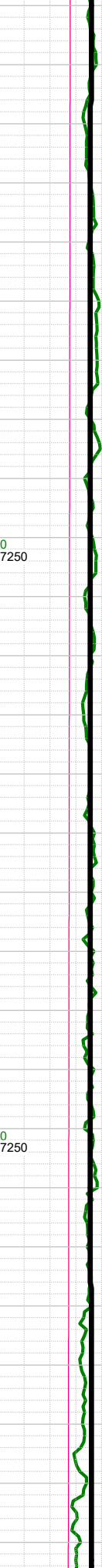
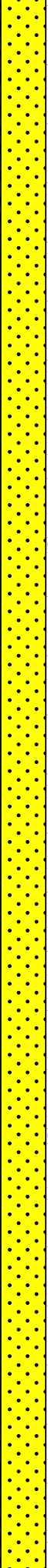
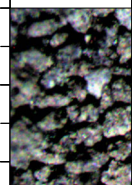
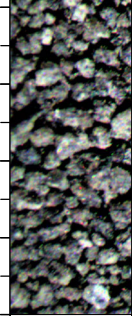
-17604 INC 89.31, AZM 90.9, TVD 7177.36

-17620 WT 9.8, VIS 54

-17698 INC 89.53, AZM 90.64, TVD 7178.31

-17750 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt,

-17710
-17720
-17730
-17740
-17750
-17760
-17770
-17780
-17790
-17800
-17810
-17820
-17830
-17840
-17850
-17860
-17870
-17880
-17890
-17900
-17910
-17920
-17930
-17940
-17950
-17960
-17970



-17710 WT 9.8,
VIS 54

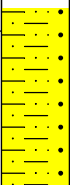
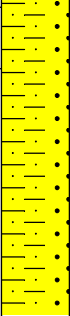
-17792 INC
89.7, AZM
91.47, TVD
7178.94

-17810 WT 9.8,
VIS 54

-17886 INC
90.1, AZM 91.3,
TVD 7179.11

-17900 WT 9.8,
VIS 54

-17943 0000 hrs
on 5/22/2021



sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, pred med
gr sb ang-sb rd qtz grs,
sme sb ang-sb rd f gr clus
w/ sil-arg cmt, frm-sl hd, p
srt, ip sl calc; tr pyr;

-18000 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SS: pred lt brn, pred med
gr sb ang-sb rd qtz grs,
sme sb ang-sb rd f gr clus
w/ sil-arg cmt, frm-sl hd, p

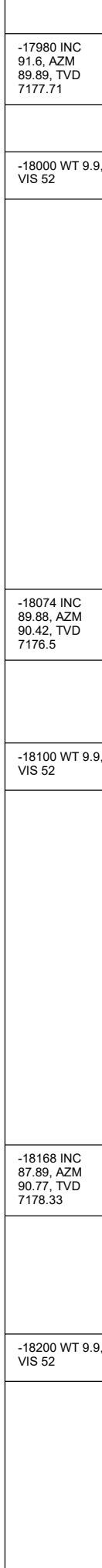
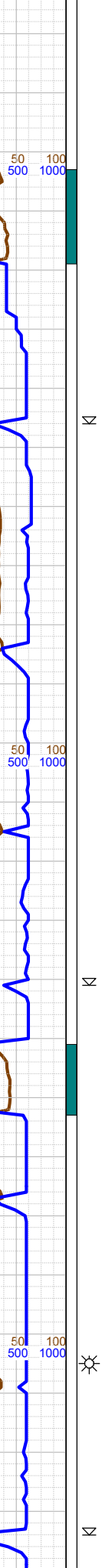
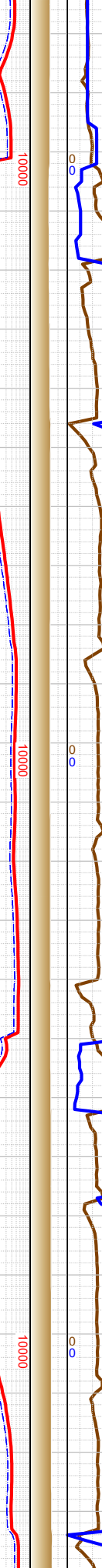
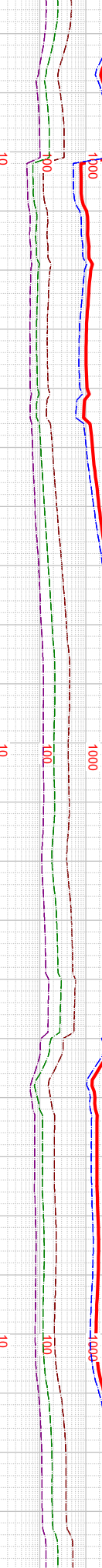
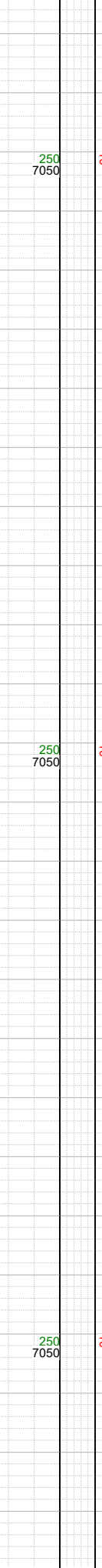
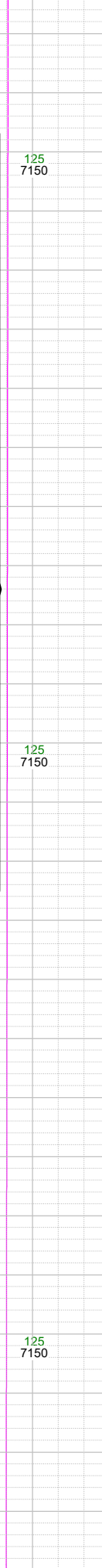
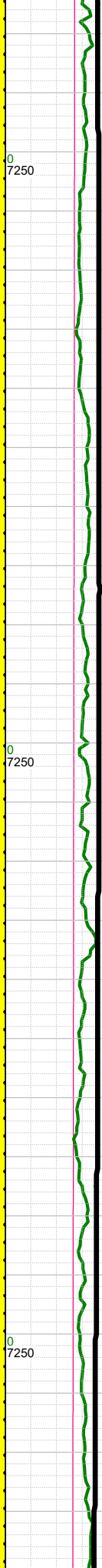
K

K

A

K

-17980
-17990
-18000
-18010
-18020
-18030
-18040
-18050
-18060
-18070
-18080
-18090
-18100
-18110
-18120
-18130
-18140
-18150
-18160
-18170
-18180
-18190
-18200
-18210
-18220
-18230



-17980 INC
91.6, AZM
89.89, TVD
7177.71

-18000 WT 9.9,
VIS 52

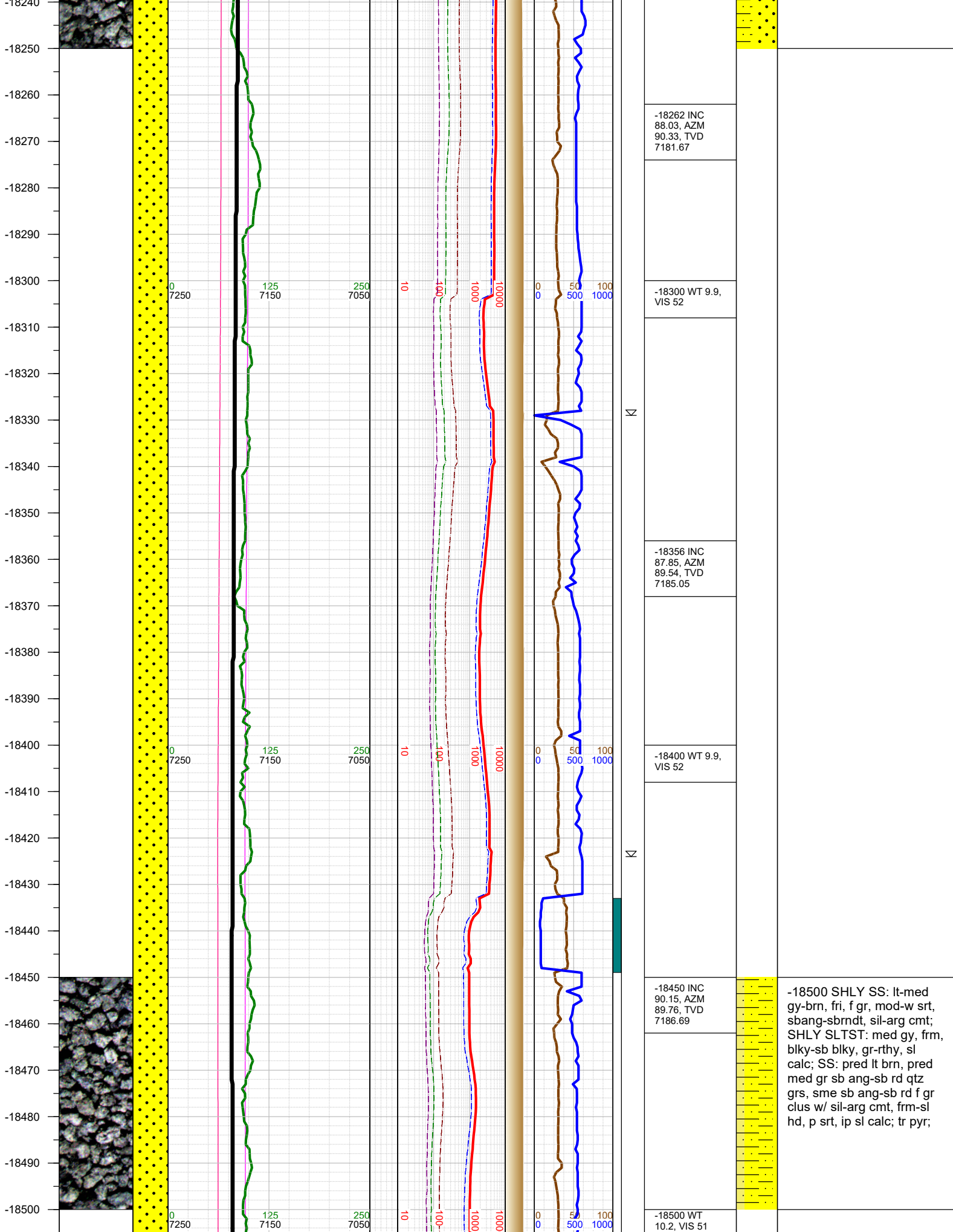
-18074 INC
89.88, AZM
90.42, TVD
7176.5

-18100 WT 9.9,
VIS 52

-18168 INC
87.89, AZM
90.77, TVD
7178.33

-18200 WT 9.9,
VIS 52

-18250 SS: pred lt brn,
pred med gr sb ang-sb rd
qtz grs, sme sb ang-sb rd f
gr clus w/ sil-arg cmt, frm-sl
hd, p srt, ip sl calc; SHLY
SS: lt-med gy-brn, fri, f gr,
mod-w srt, sbang-sbrndt,
sil-arg cmt; tr pyr;



-18262 INC
88.03, AZM
90.33, TVD
7181.67

-18300 WT 9.9,
VIS 52

-18356 INC
87.85, AZM
89.54, TVD
7185.05

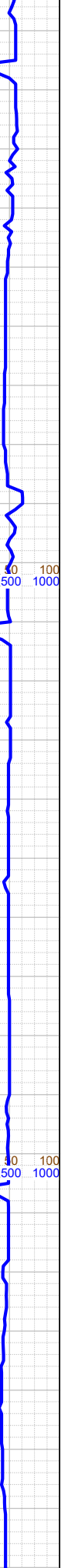
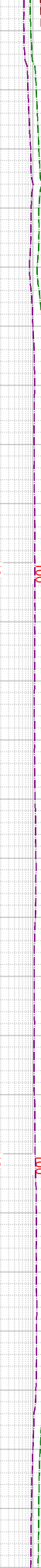
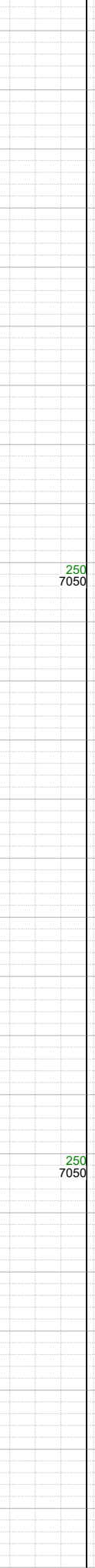
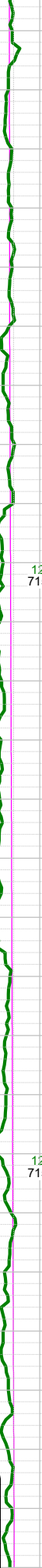
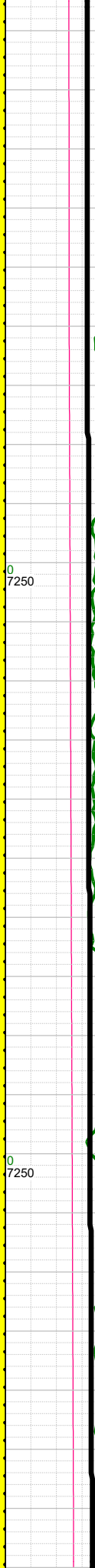
-18400 WT 9.9,
VIS 52

-18450 INC
90.15, AZM
89.76, TVD
7186.69

-18500 WT
10.2, VIS 51

-18500 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SHLY SLTST: med gy, frm,
blky-sb blky, gr-rthy, sl
calc; SS: pred lt brn, pred
med gr sb ang-sb rd qtz
grs, sme sb ang-sb rd f gr
clus w/ sil-arg cmt, frm-sl
hd, p srt, ip sl calc; tr pyr;

-18510
-18520
-18530
-18540
-18550
-18560
-18570
-18580
-18590
-18600
-18610
-18620
-18630
-18640
-18650
-18660
-18670
-18680
-18690
-18700
-18710
-18720
-18730
-18740
-18750
-18760
-18770



K
K
K
K

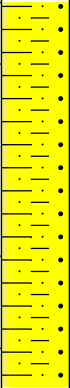
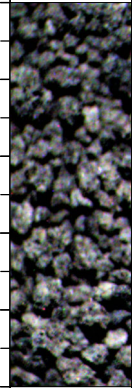
-18545 INC
90.81, AZM
88.92, TVD
7185.9

-18600 WT
10.2, VIS 51

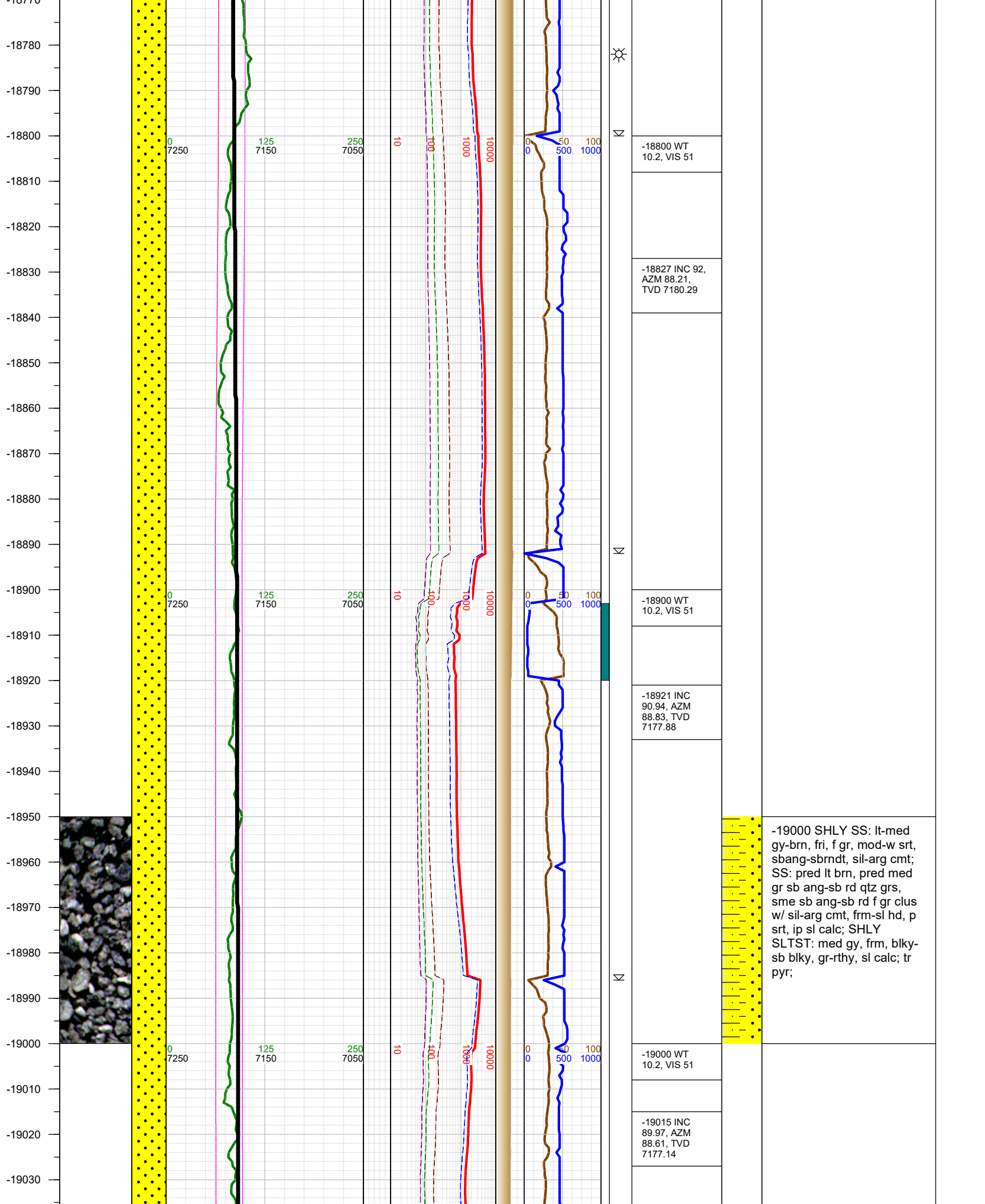
-18639 INC
90.54, AZM
89.23, TVD
7184.79

-18700 WT
10.2, VIS 51

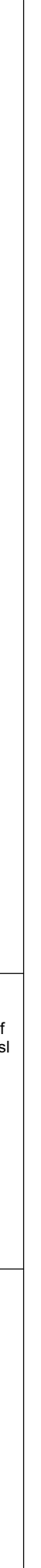
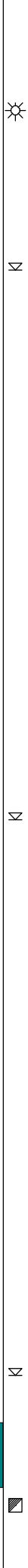
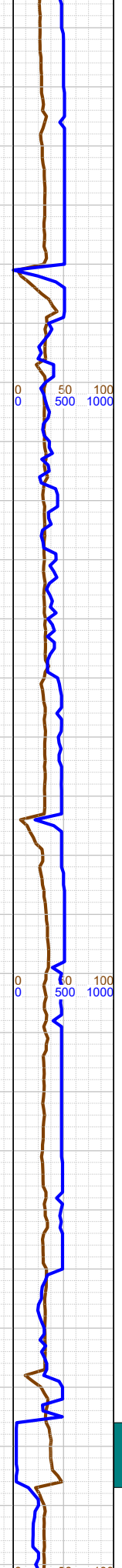
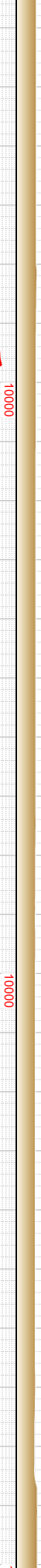
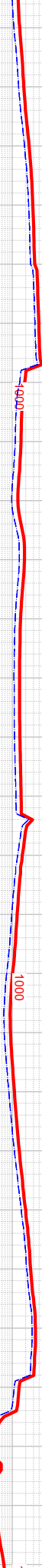
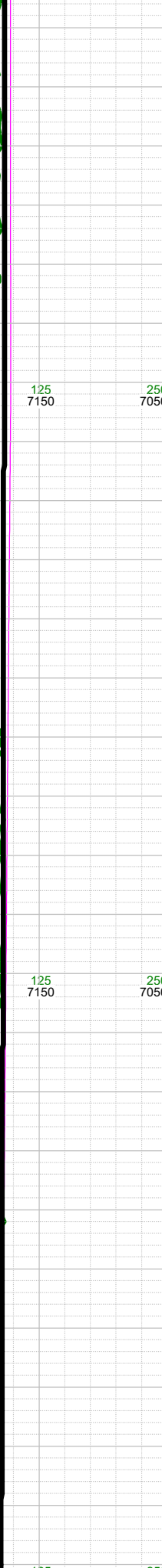
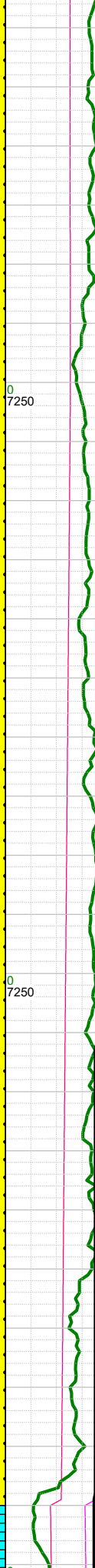
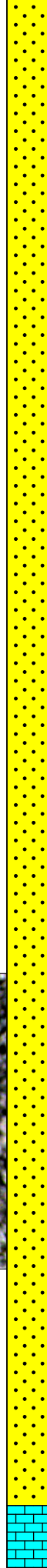
-18733 INC
91.47, AZM
88.43, TVD
7183.14



-18750 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SS: pred lt brn, pred med gr sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; SHLY SLTST: med gy, frm, blkysb blkys, gr-rthy, sl calc; tr pyr;



-19040
-19050
-19060
-19070
-19080
-19090
-19100
-19110
-19120
-19130
-19140
-19150
-19160
-19170
-19180
-19190
-19200
-19210
-19220
-19230
-19240
-19250
-19260
-19270
-19280
-19290
-19300



-19100 WT
10.2, VIS 51

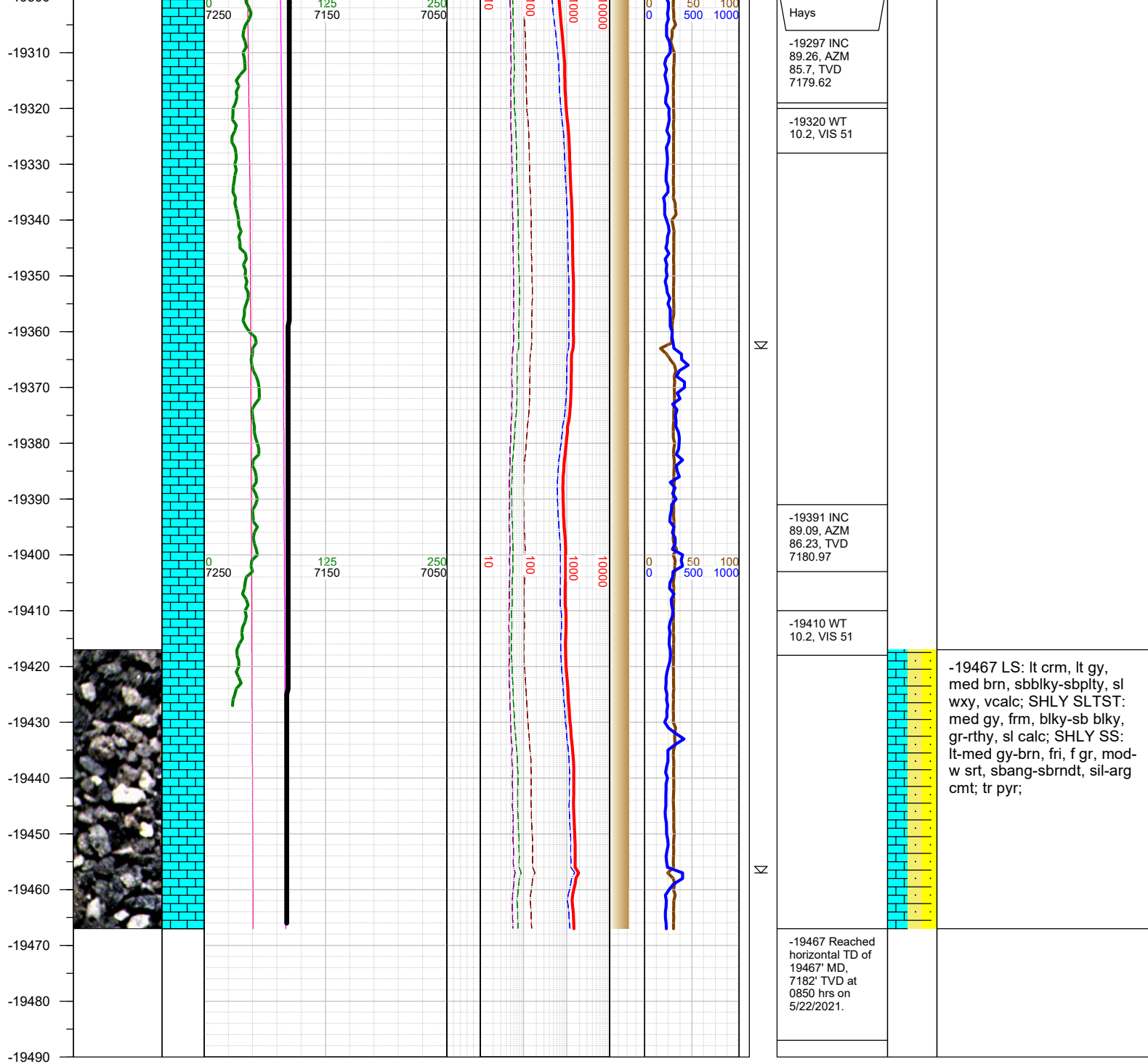
-19108 INC
89.66, AZM
87.77, TVD
7177.44

-19202 INC
89.22, AZM
85.83, TVD
7178.35

-19220 WT
10.2, VIS 51

-19290 Fault: 8'
down-throw;
went from
Codell to Ft.

-19250 SS: pred lt brn,
pred med gr sb ang-sb rd
qtz grs, sme sb ang-sb rd f
gr clus w/ sil-arg cmt, frm-sl
hd, p srt, ip sl calc; SHLY
SS: lt-med gy-brn, fri, f gr,
mod-w srt, sbang-sbrndt,
sil-arg cmt; SHLY SLTST:
med gy, frm, blk-sb blk,
gr-rthy, sl calc; tr pyr;



TOTAL DEPTH = 19467'

Thank you for using Earth Science Agency