

OPERATOR: **Nickel Road Operating, LLC**

WELL NAME: **Blehm 5X-HC-10-07-67**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Cyclone 37

API #: 05-123-51479

LAT/LONG: 40.594675, -104.891179

SURFACE HOLE: NENE S9-T7N-R67W, 467' FNL, 708' FEL

BOTTOM HOLE: S10-T7N-R67W, 2153' FSL, 460' FEL



Earth Science Agency, LLC

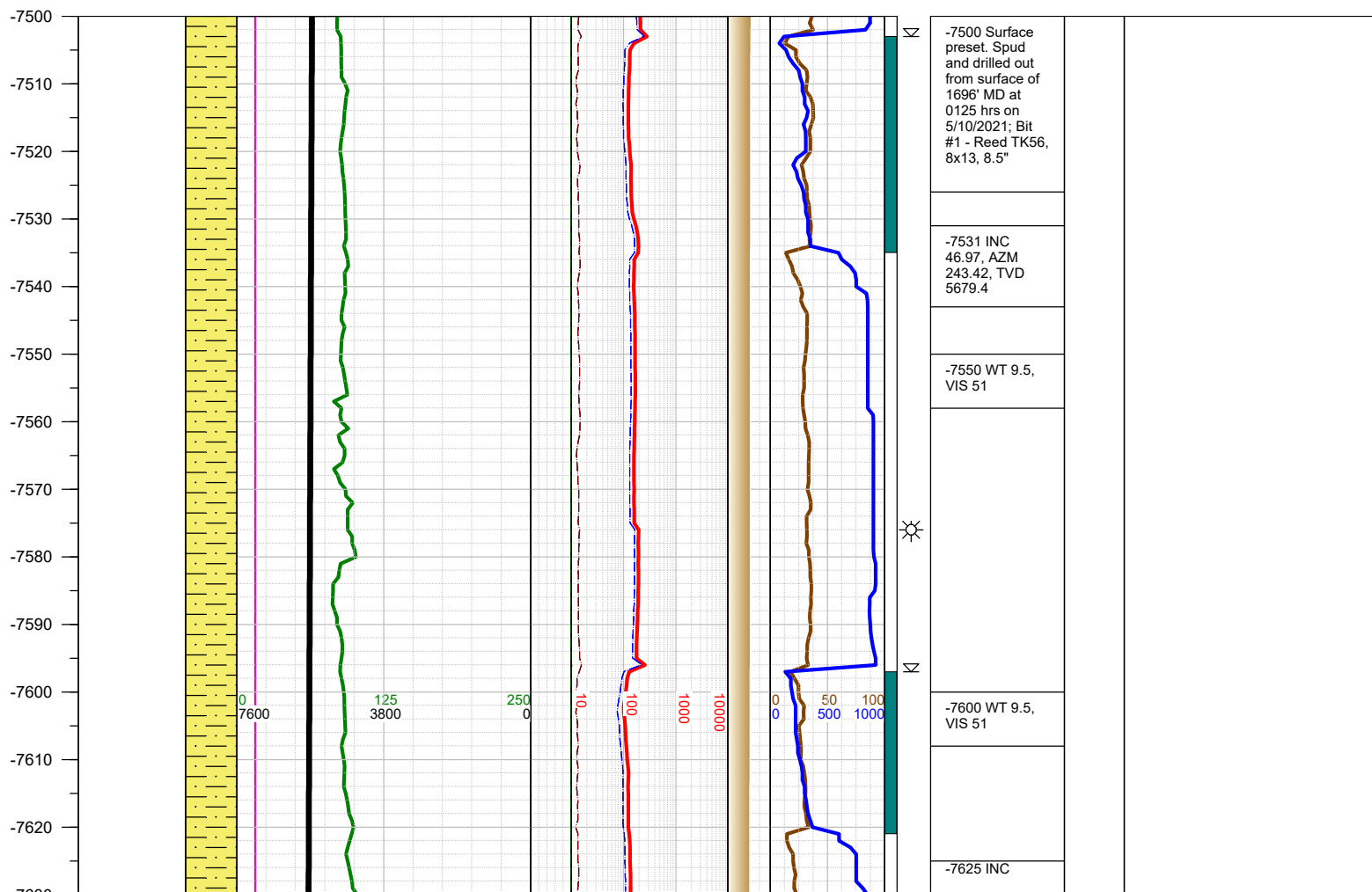
COUNTY: Weld
 STATE: Colorado
 GROUND ELEVATION: 5096'
 KELLY BUSHING: 5115'
 DRILLING FLUID: OBM
 TVD VS. MD: 7182' / 19198'
 SPUD DATE: May 10, 2021
 TD DATE: May 14, 2021
 DEPTHS LOGGED: 7500' - 19198'
 DATES LOGGED: May 11, 2021 - May 14, 2021
 GEOLOGISTS: Ross Apodaca, Scott Snoy
 SCALE: 5" = 100'

LEGEND

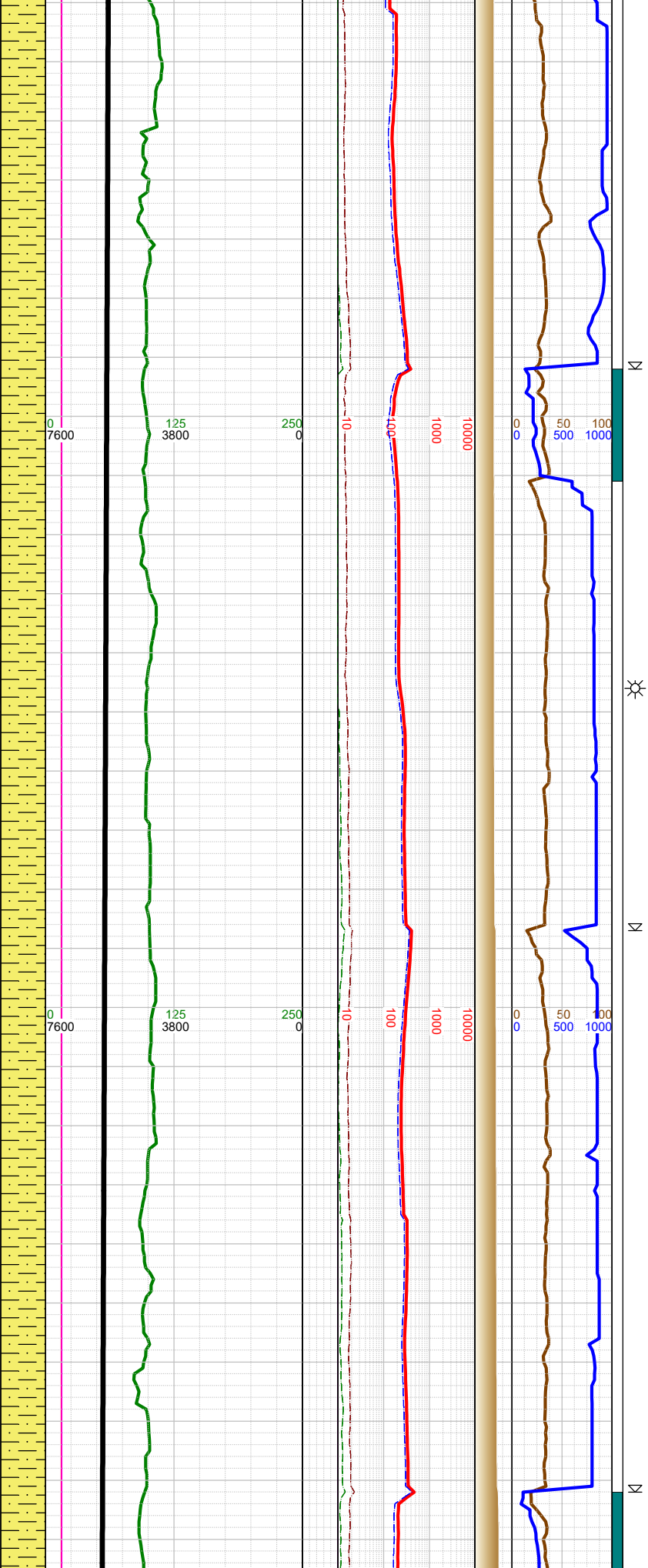
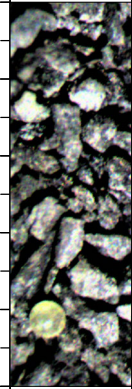
	CHALK		SHALE
	LIMESTONE		SILTY SHALE
	SHALY LIMESTONE		SHALY SILTSTONE
	MARLSTONE		SHALY SANDSTONE
	CALCAREOUS SHALE		SANDSTONE
	DOLOMITE		ANHYDRITE

◀ 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	WOB klbs 100	SLIDES SYMBOLS	COMMENTS	CUTTINGS %	SAMPLE DESCRIPTION
			Target Top / Base	TVD ft									
			7600	0		— Total							
						— C1							
						— C2							
						— C3							
						— C4							
			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



48.92, AZM
243.2, TVD
5742.37

-7700 WT 9.5,
VIS 51

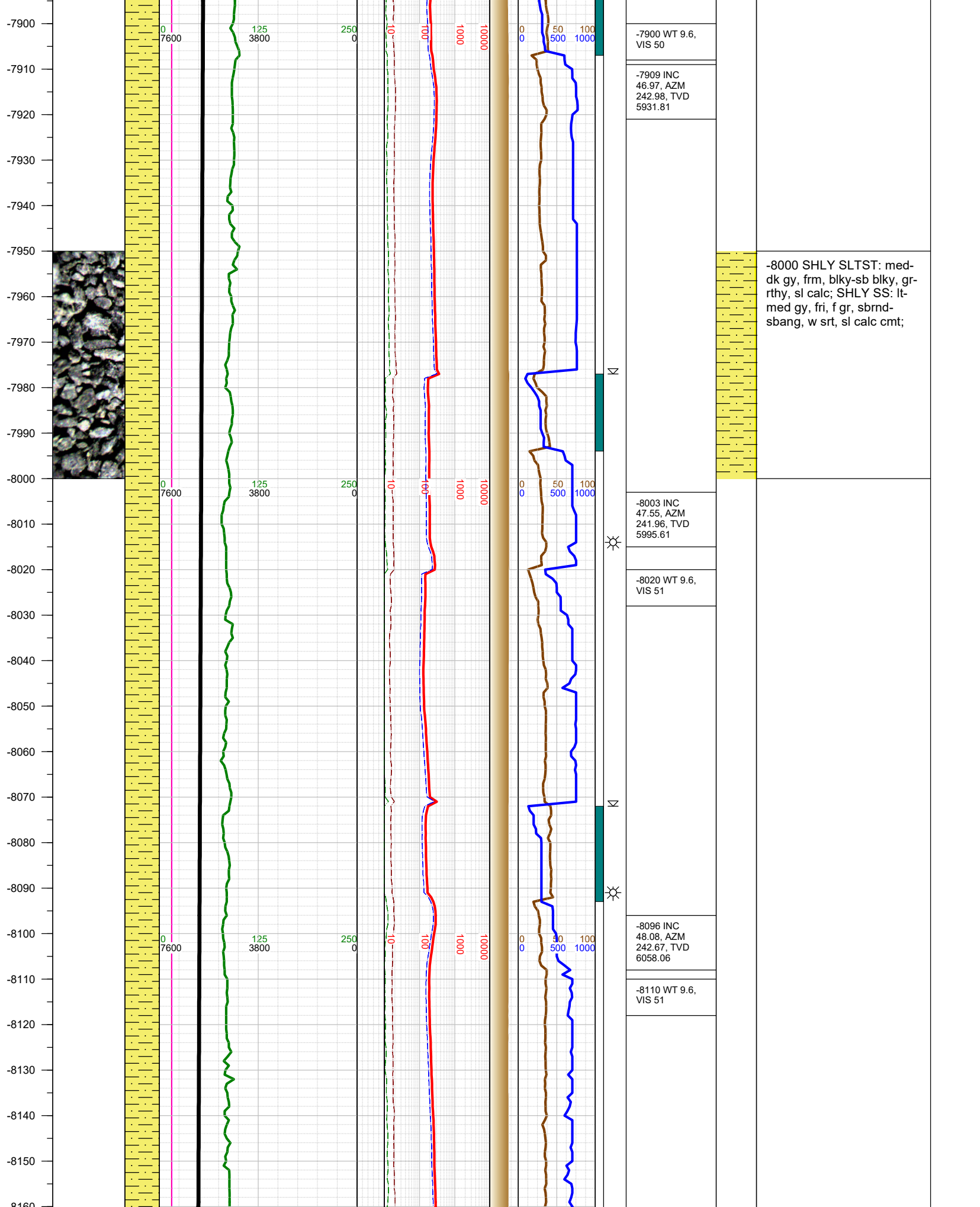
-7720 INC
49.54, AZM
243.42, TVD
5804.4

-7800 WT 9.6,
VIS 50

-7814 INC
46.97, AZM
242.98, TVD
5866.99



-7750 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;



-7900 WT 9.6,
VIS 50

-7909 INC
46.97, AZM
242.98, TVD
5931.81

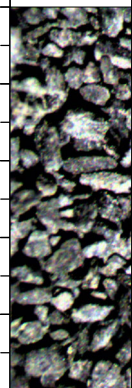
-8000 SHLY SLTST: med-
dk gy, frm, blkly-sb blkly, gr-
rthy, sl calc; SHLY SS: lt-
med gy, fri, f gr, sbrnd-
sbang, w srt, sl calc cmt;

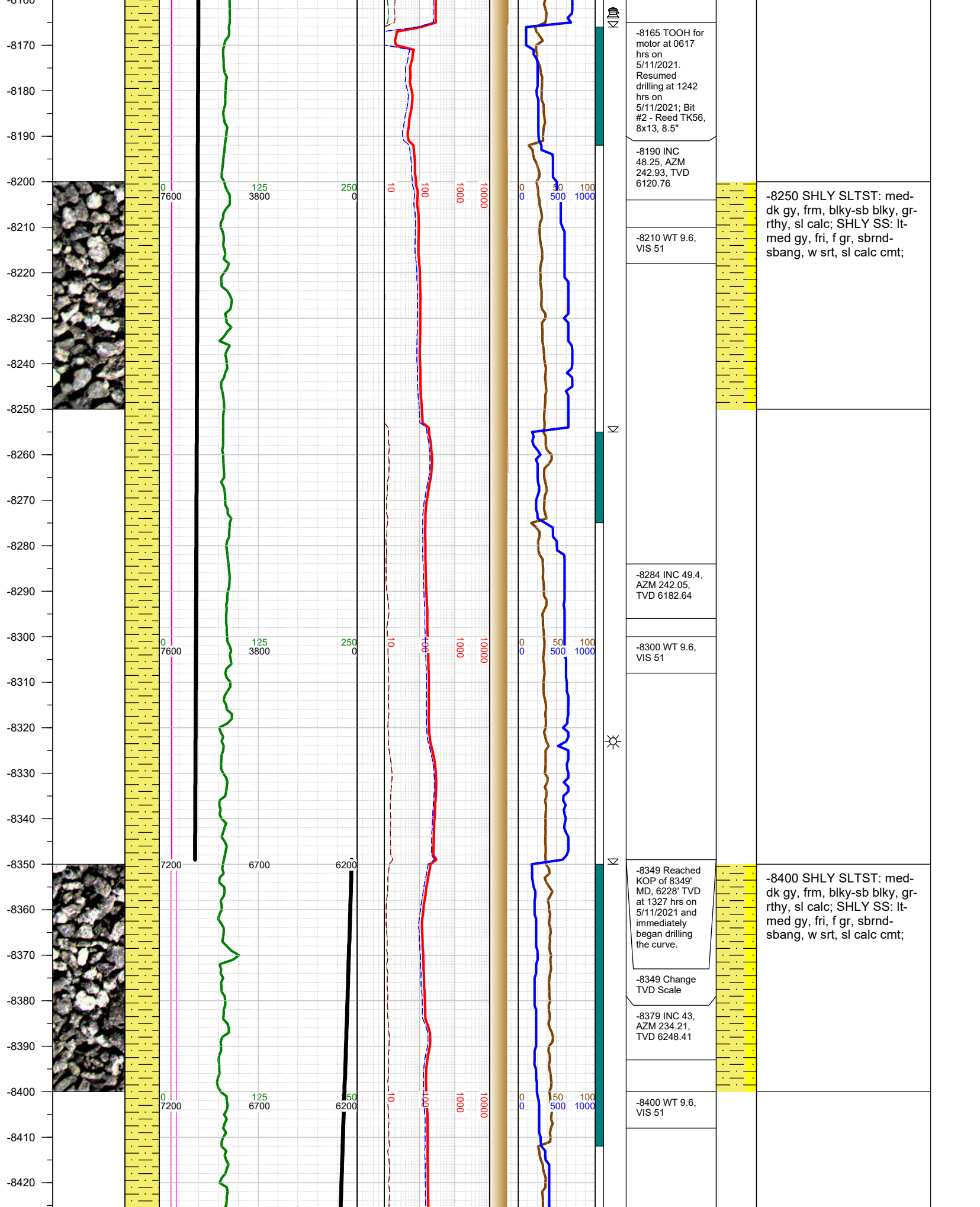
-8003 INC
47.55, AZM
241.96, TVD
5995.61

-8020 WT 9.6,
VIS 51

-8096 INC
48.08, AZM
242.67, TVD
6058.06

-8110 WT 9.6,
VIS 51





-8165 TOOH for motor at 0617 hrs on 5/11/2021. Resumed drilling at 1242 hrs on 5/11/2021; Bit #2 - Reed TK56, 8x13, 8.5"

-8190 INC 48.25, AZM 242.93, TVD 6120.76

-8210 WT 9.6, VIS 51

-8284 INC 49.4, AZM 242.05, TVD 6182.64

-8300 WT 9.6, VIS 51

-8349 Reached KOP of 8349' MD, 6228' TVD at 1327 hrs on 5/11/2021 and immediately began drilling the curve.

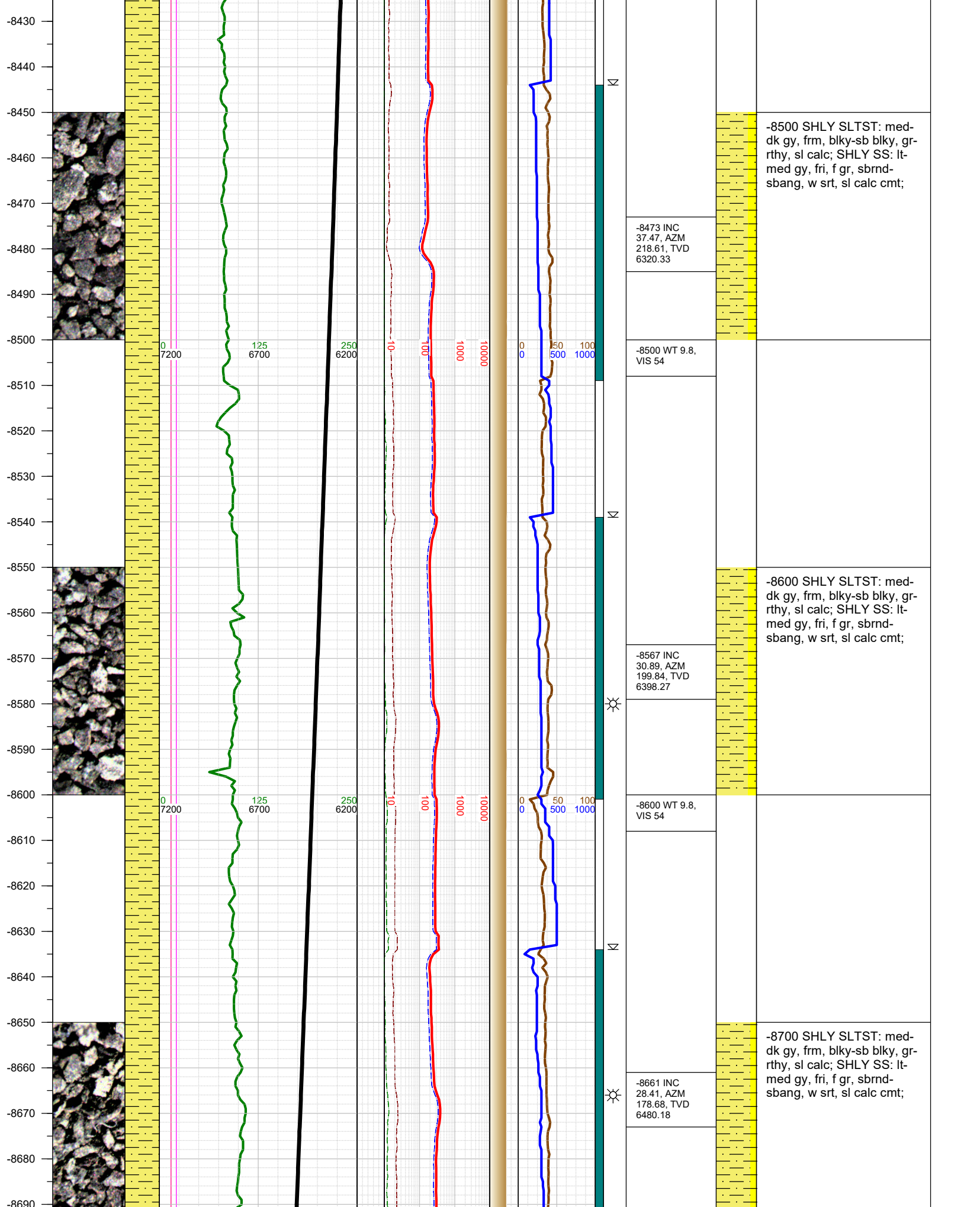
-8349 Change TVD Scale

-8379 INC 43, AZM 234.21, TVD 6248.41

-8400 WT 9.6, VIS 51

-8250 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;

-8400 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;



-8500 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;

-8473 INC
37.47, AZM
218.61, TVD
6320.33

-8500 WT 9.8,
VIS 54

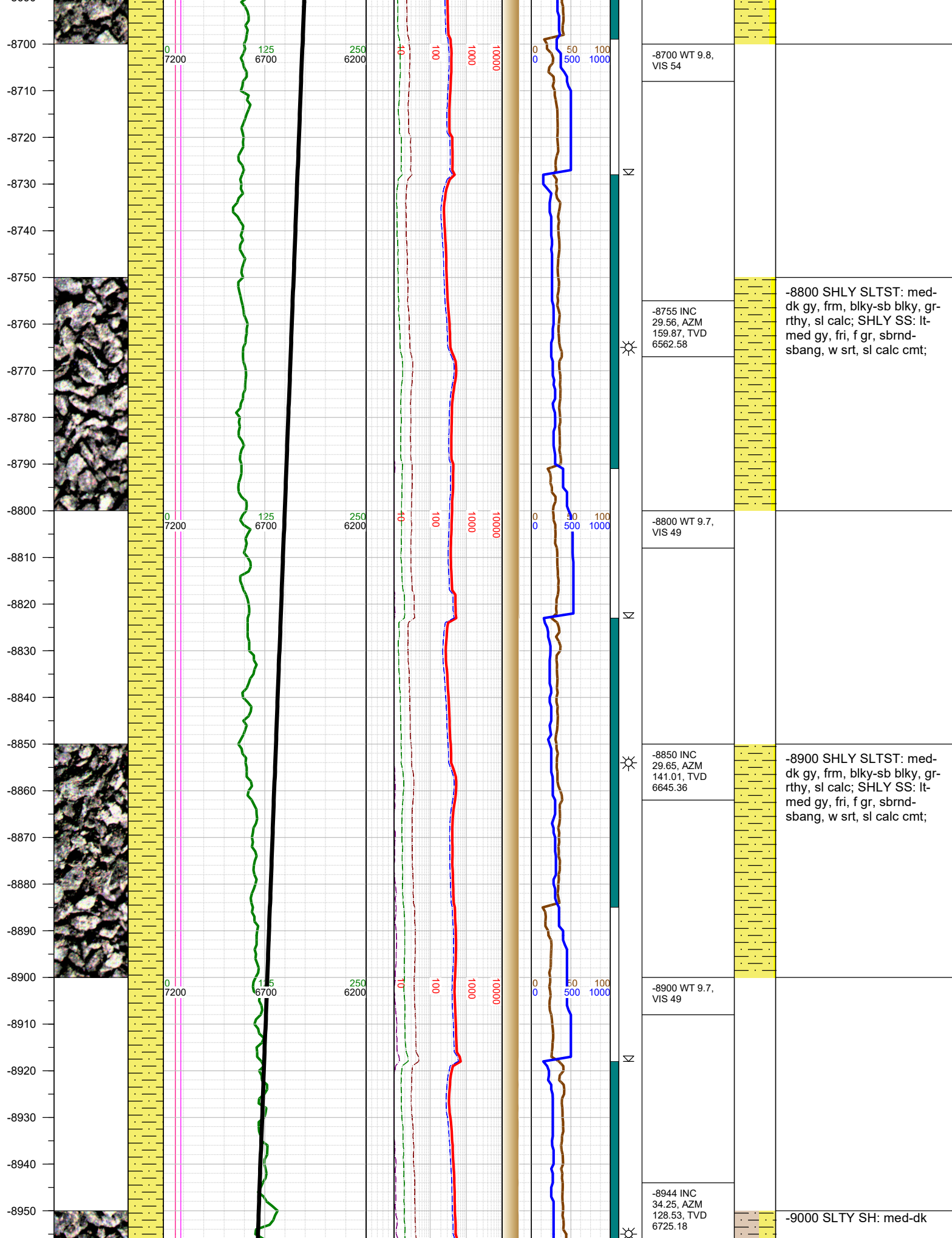
-8600 SHLY SLTST: med-dk gy, frm, blk-y-sb blk-y, gr-rthy, sl calc; SHLY SS: lt-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt;

-8567 INC
30.89, AZM
199.84, TVD
6398.27

-8600 WT 9.8,
VIS 54

-8700 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;

-8661 INC
28.41, AZM
178.68, TVD
6480.18



-8700 WT 9.8,
VIS 54

-8755 INC
29.56, AZM
159.87, TVD
6562.58

-8800 WT 9.7,
VIS 49

-8850 INC
29.65, AZM
141.01, TVD
6645.36

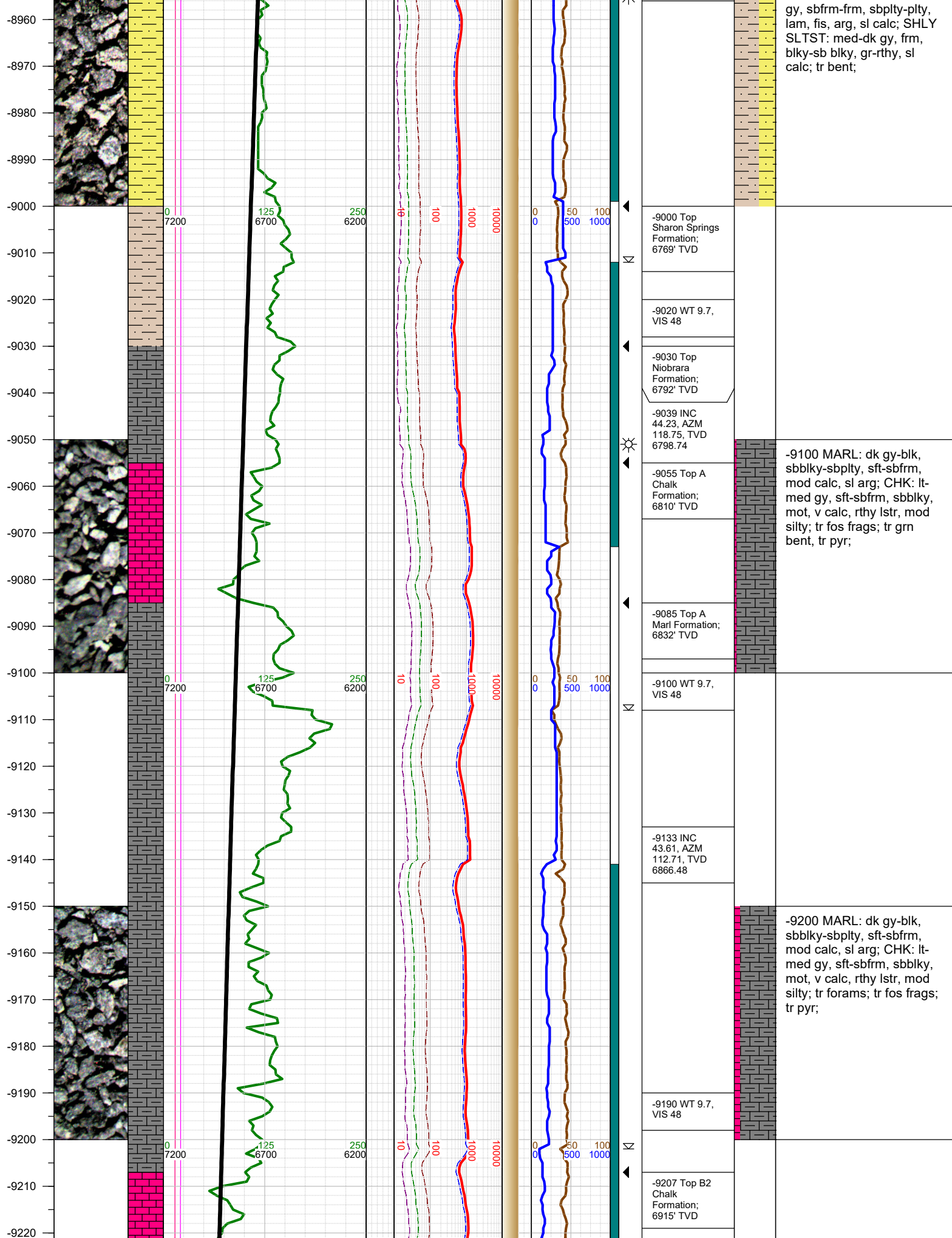
-8900 WT 9.7,
VIS 49

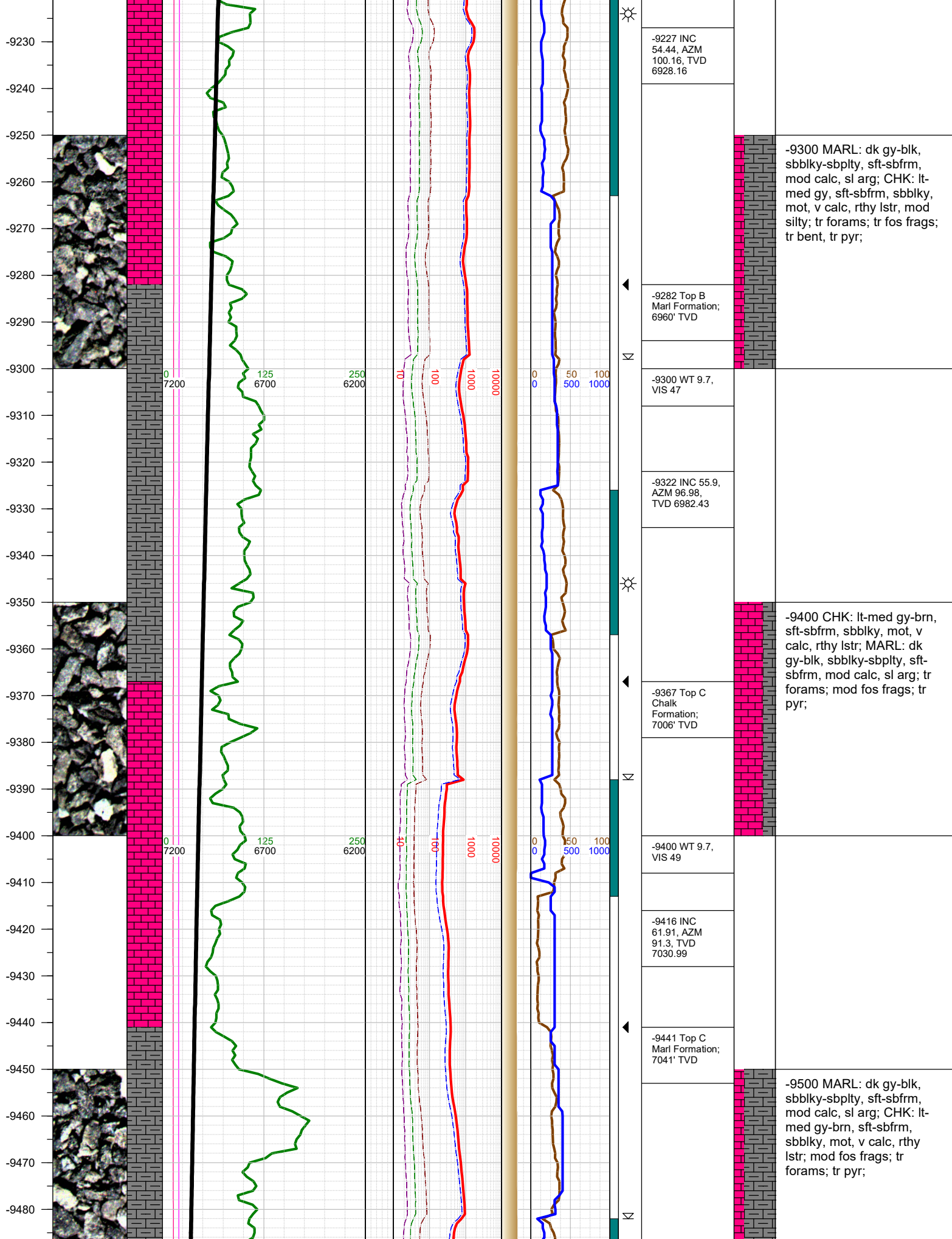
-8944 INC
34.25, AZM
128.53, TVD
6725.18

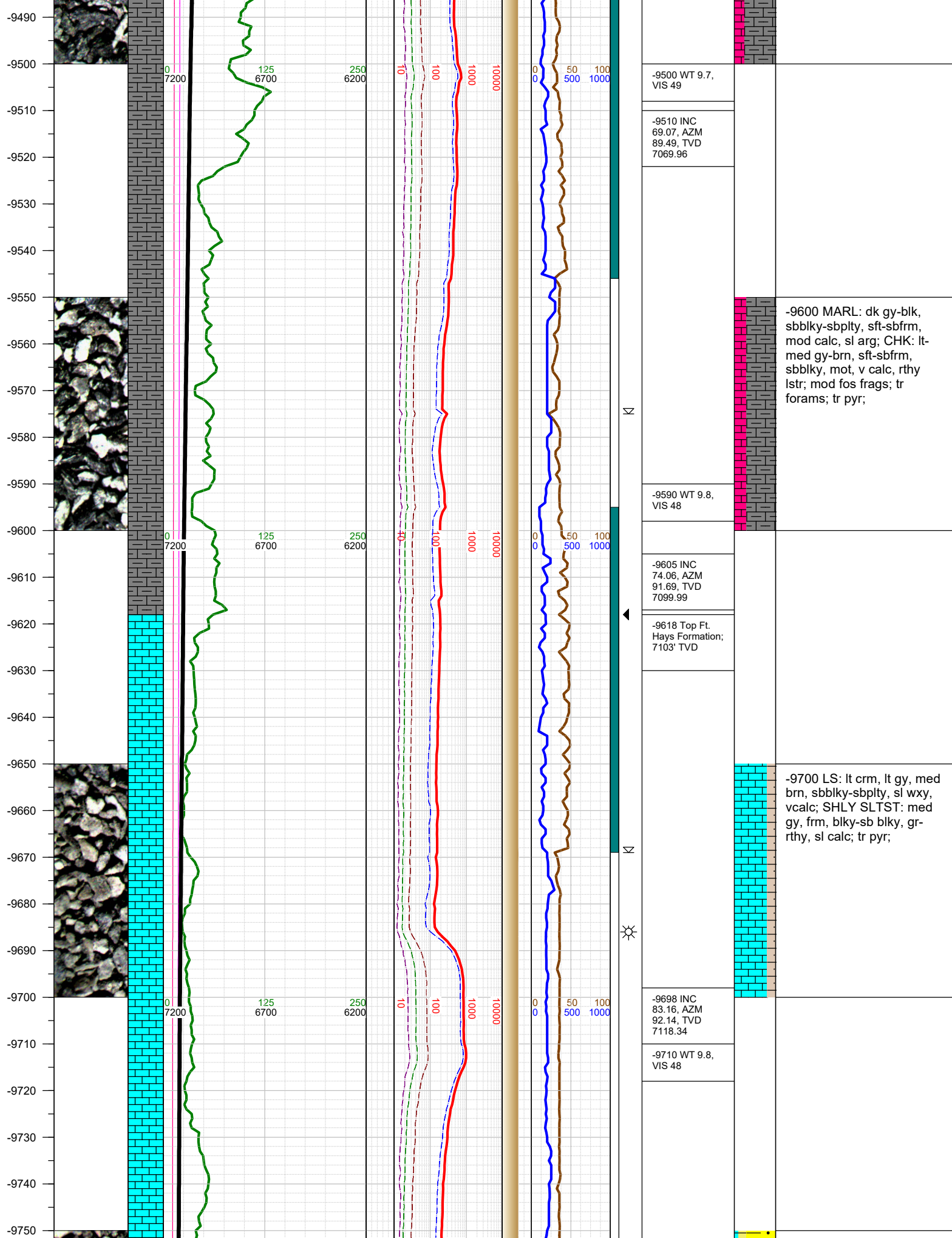
-8800 SHLY SLTST: med-
dk gy, frm, blk-y-sb blk-y, gr-
rthy, sl calc; SHLY SS: lt-
med gy, fri, f gr, sbrnd-
sbang, w srt, sl calc cmt;

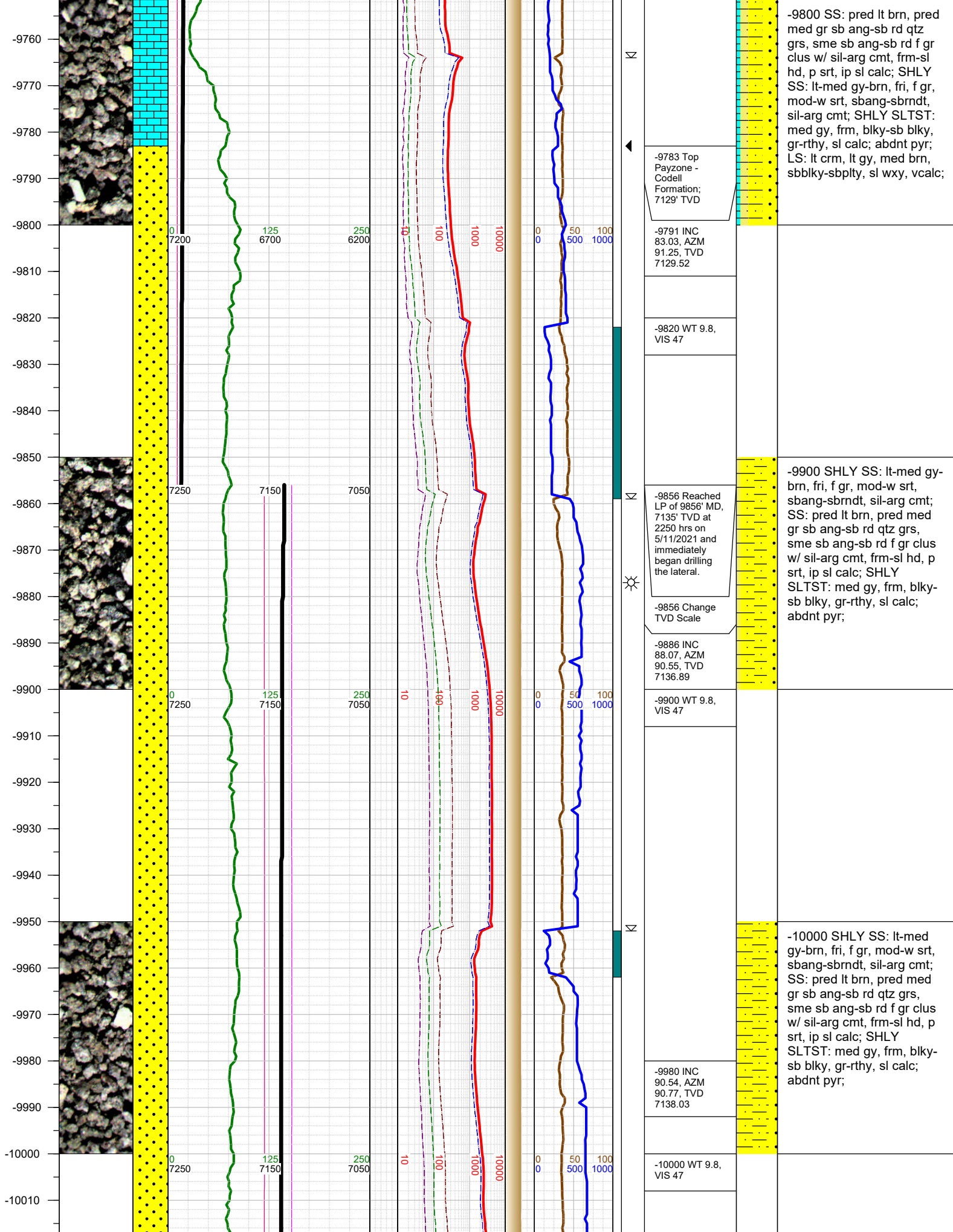
-8900 SHLY SLTST: med-
dk gy, frm, blk-y-sb blk-y, gr-
rthy, sl calc; SHLY SS: lt-
med gy, fri, f gr, sbrnd-
sbang, w srt, sl calc cmt;

-9000 SLTY SH: med-dk









-9800 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, blkysb blkys, gr-rthy, sl calc; abndt pyr; LS: lt crm, lt gy, med brn, sbbkly-sbplty, sl wxy, vcalc;

-9783 Top Payzone - Codell Formation; 7129' TVD

-9791 INC 83.03, AZM 91.25, TVD 7129.52

-9820 WT 9.8, VIS 47

-9856 Reached LP of 9856' MD, 7135' TVD at 2250 hrs on 5/11/2021 and immediately began drilling the lateral.

-9856 Change TVD Scale

-9886 INC 88.07, AZM 90.55, TVD 7136.89

-9900 WT 9.8, VIS 47

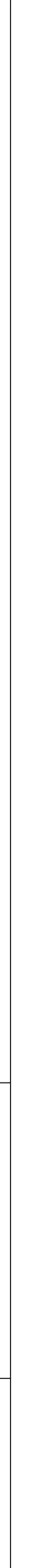
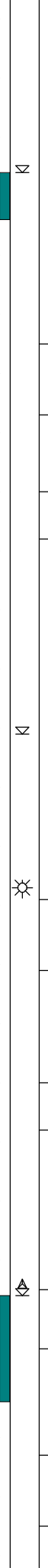
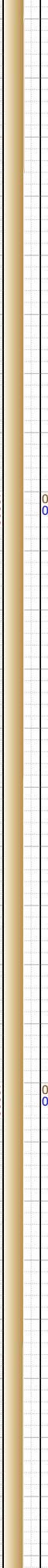
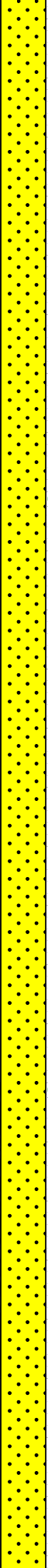
-9900 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SS: pred lt brn, pred med gr sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; SHLY SLTST: med gy, frm, blkysb blkys, gr-rthy, sl calc; abndt pyr;

-10000 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; abndt pyr;

-9980 INC 90.54, AZM 90.77, TVD 7138.03

-10000 WT 9.8, VIS 47

-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



-10075 INC
90.28, AZM
91.56, TVD
7137.35

-10100 WT 9.8,
VIS 47

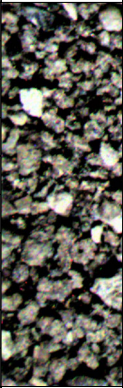
-10169 INC
90.99, AZM
90.95, TVD
7136.31

-10200 WT 9.8,
VIS 47

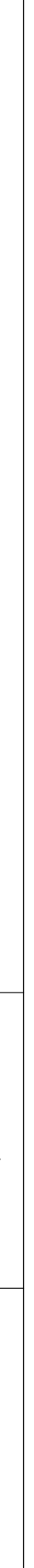
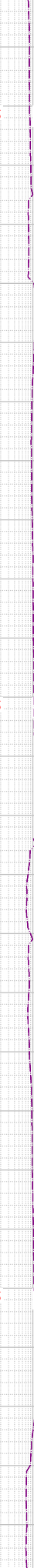
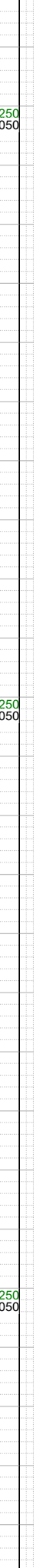
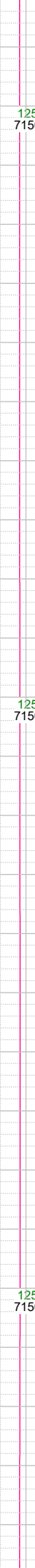
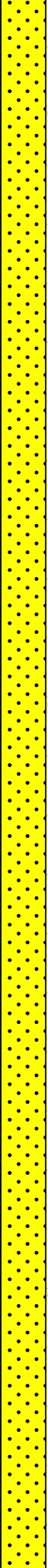
-10235 0000 hrs
on 5/12/2021

-10263 INC
89.93, AZM
92.58, TVD
7135.55

-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, blk-
sb blk, gr-rthy, sl calc;
abdnt pyr;



-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



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-10300 WT 9.8, VIS 47

-10357 INC 90.5, AZM 91.91, TVD 7135.2

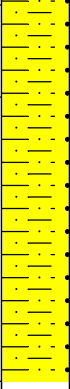
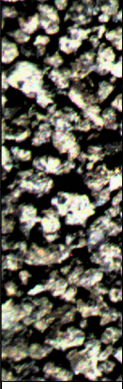
-10400 WT 9.8, VIS 48

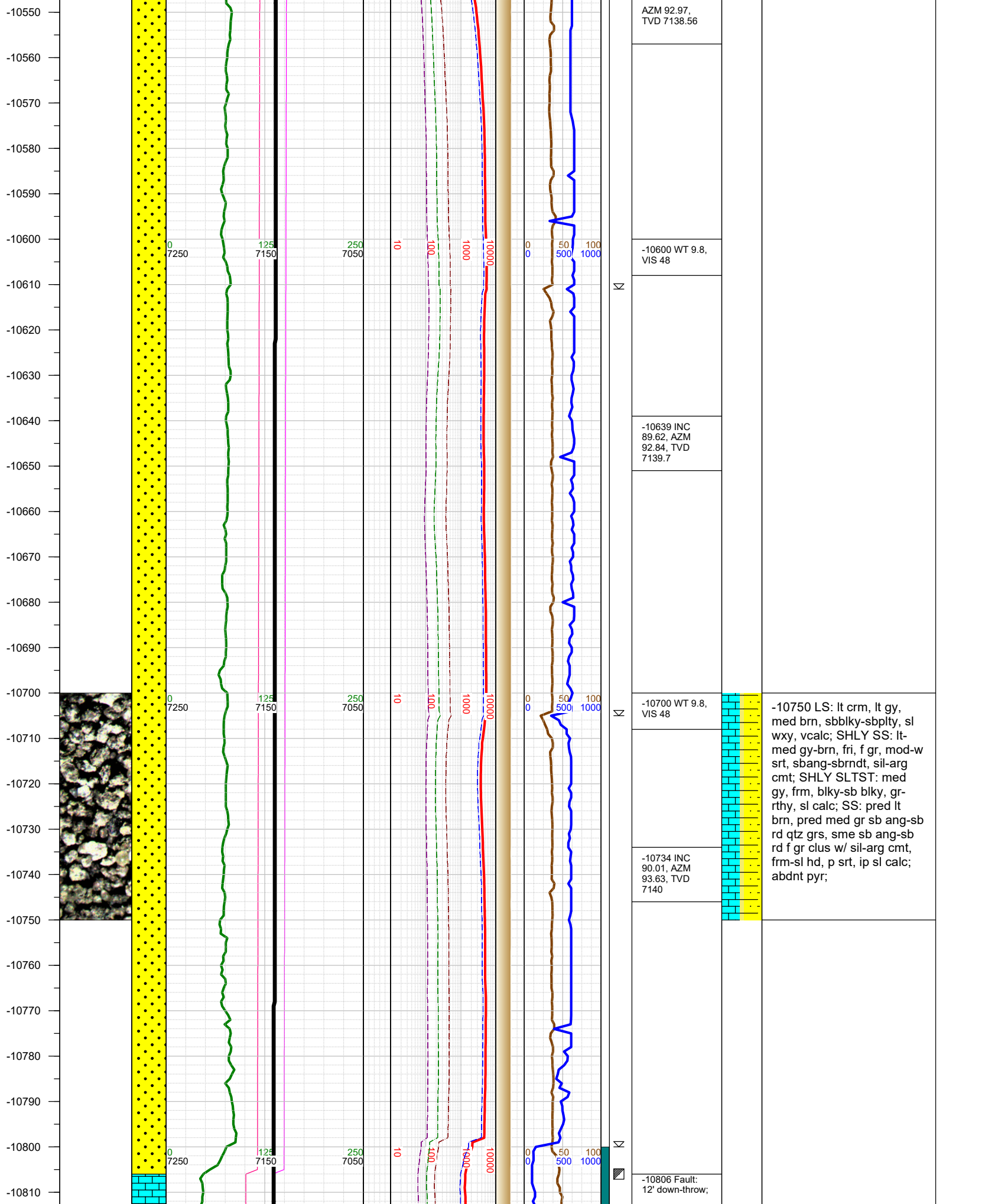
-10451 INC 88.2, AZM 92.93, TVD 7136.27

-10500 WT 9.8, VIS 48

-10545 INC 89,

-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; SHLY SLTST: med gy, frm, blkysb blkys, gr-rthy, sl calc; abdt pyr;





AZM 92.97,
TVD 7138.56

-10600 WT 9.8,
VIS 48

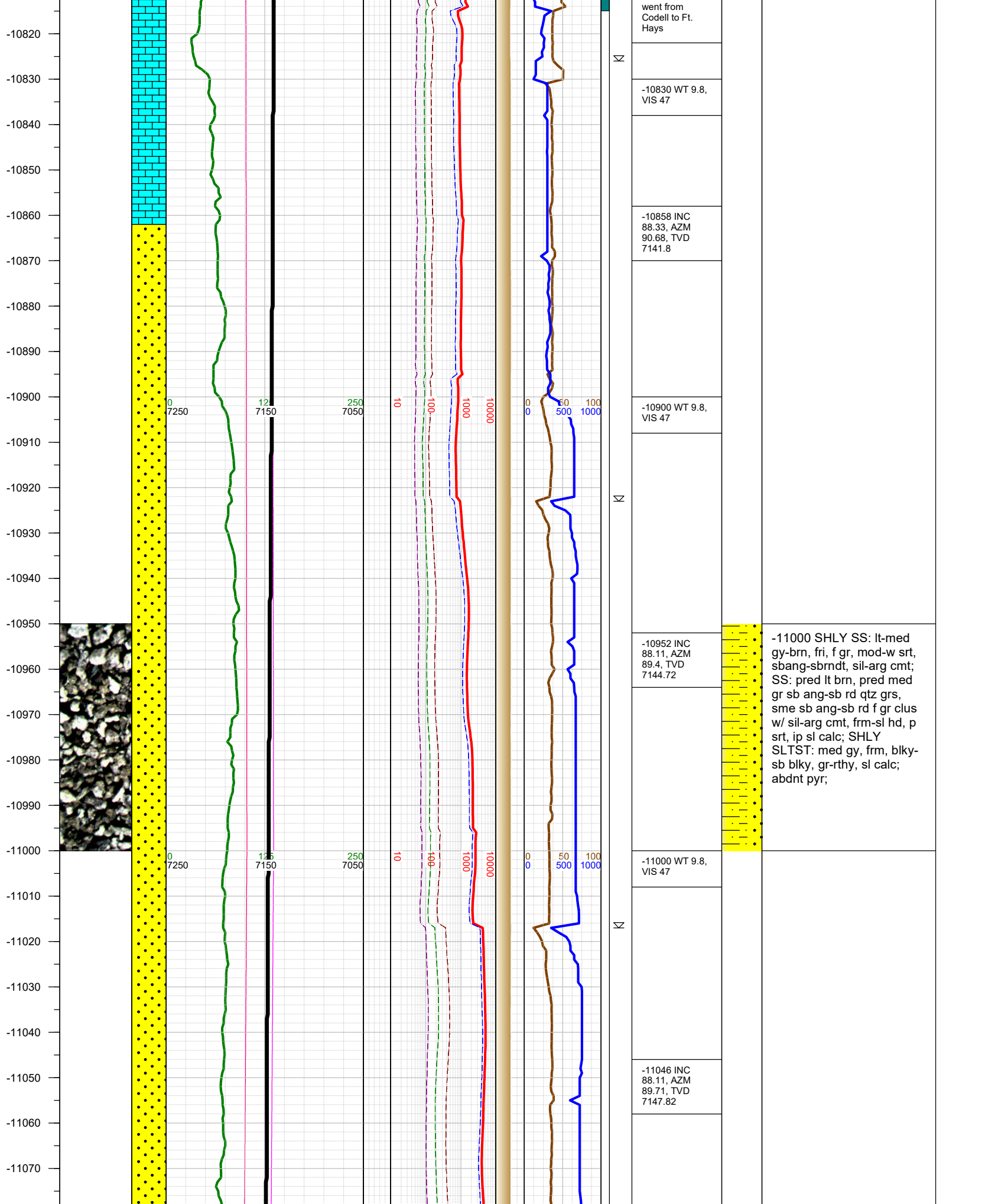
-10639 INC
89.62, AZM
92.84, TVD
7139.7

-10700 WT 9.8,
VIS 48

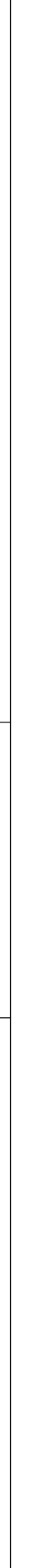
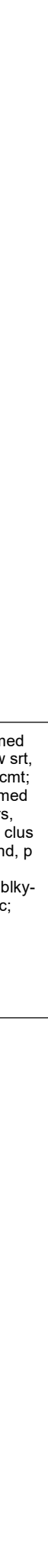
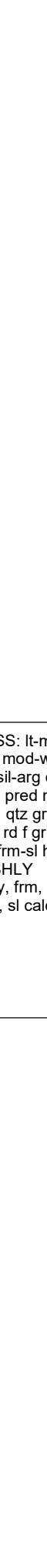
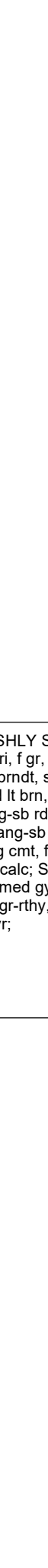
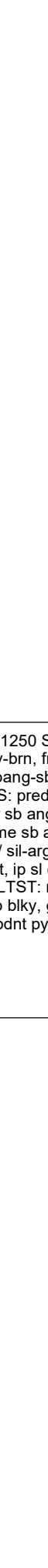
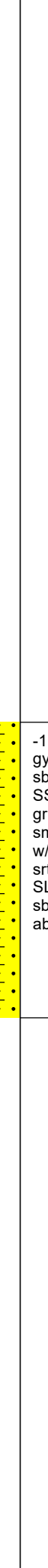
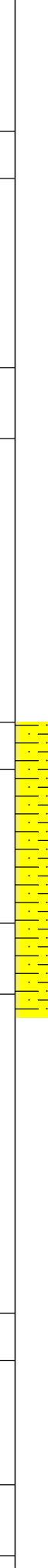
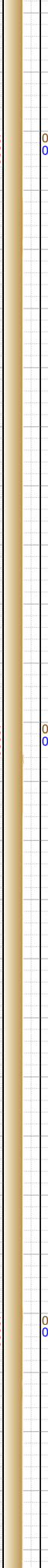
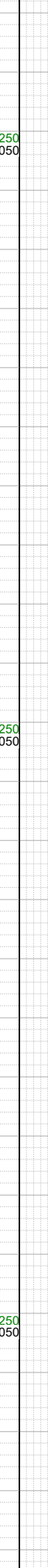
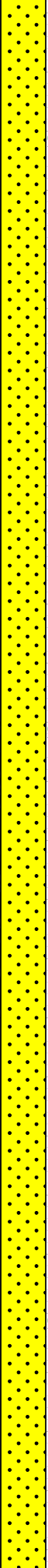
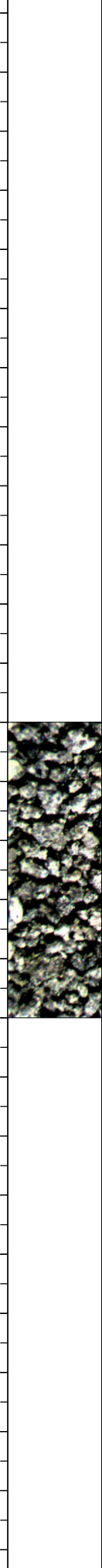
-10734 INC
90.01, AZM
93.63, TVD
7140

-10806 Fault:
12' down-throw;

-10750 LS: lt crm, lt gy,
med brn, sbbkly-sbplty, sl
wxy, vcalc; SHLY SS: lt-
med gy-brn, fri, f gr, mod-w
srt, sbang-sbrndt, sil-arg
cmt; SHLY SLTST: med
gy, frm, blkly-sb blkly, 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;
abdnt pyr;



-11080
-11090
-11100
-11110
-11120
-11130
-11140
-11150
-11160
-11170
-11180
-11190
-11200
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-11300
-11310
-11320
-11330
-11340



N

N

N

-11100 WT 9.8,
VIS 46

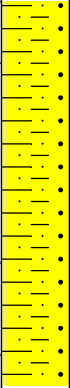
-11140 INC
88.91, AZM
89.58, TVD
7150.26

-11200 WT 9.8,
VIS 46

-11234 INC
89.04, AZM
89.71, TVD
7151.95

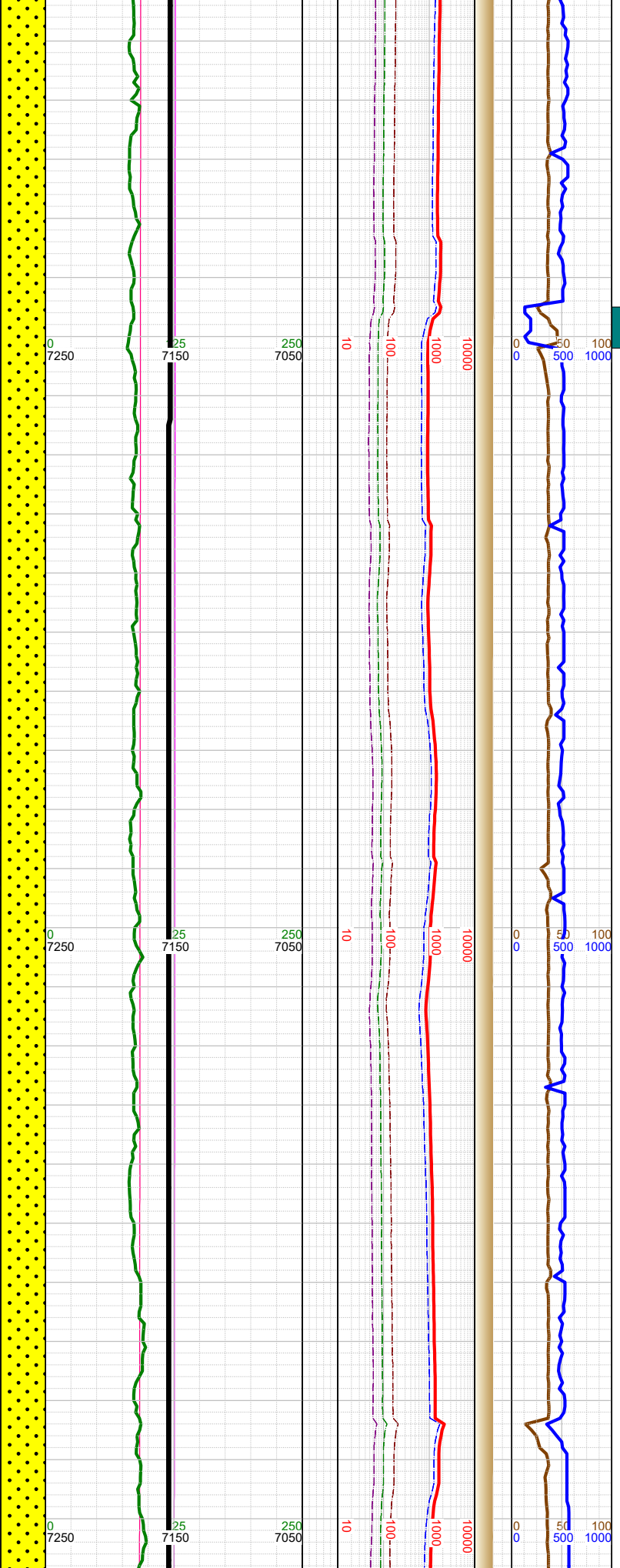
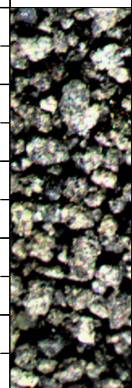
-11300 WT 9.8,
VIS 46

-11329 INC
89.66, AZM
89.93, TVD
7153.02



-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; SHLY
SLTST: med gy, frm, blk-
sb blk, gr-rthy, sl calc;
abdnt 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



-11400 WT 9.8,
VIS 46

-11423 INC
89.7, AZM
91.12, TVD
7153.55

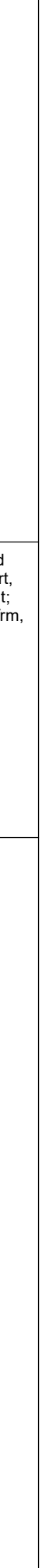
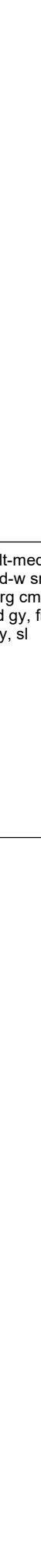
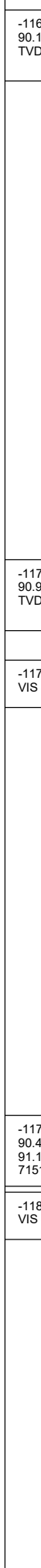
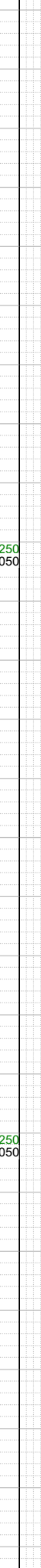
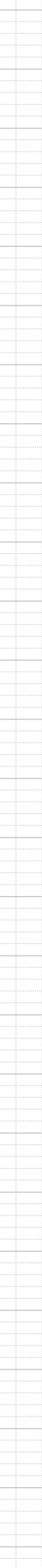
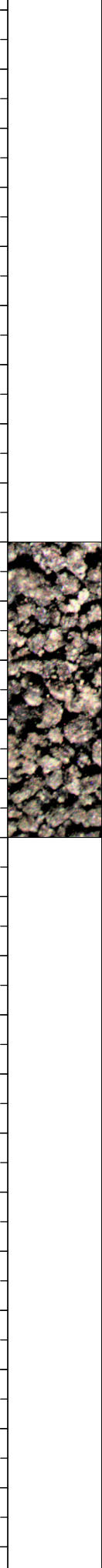
-11500 SHLY SS: lt-med
gy-brn, fri, f gr, mod-w srt,
sbang-sbrndt, sil-arg cmt;
SHLY SLTST: med gy, frm,
blky-sb blky, gr-rthy, sl
calc; tr pyr;

-11500 WT 9.8,
VIS 46

-11517 INC
89.88, AZM
90.86, TVD
7153.89

-11600 WT 9.8,
VIS 46

-11610
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-11870



-11610 INC
90.1, AZM 91.3,
TVD 7153.91

-11703 INC
90.94, AZM 92,
TVD 7153.07

-11720 WT 9.8,
VIS 48

-11797 INC
90.41, AZM
91.17, TVD
7151.96

-11810 WT 9.8,
VIS 48

-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;

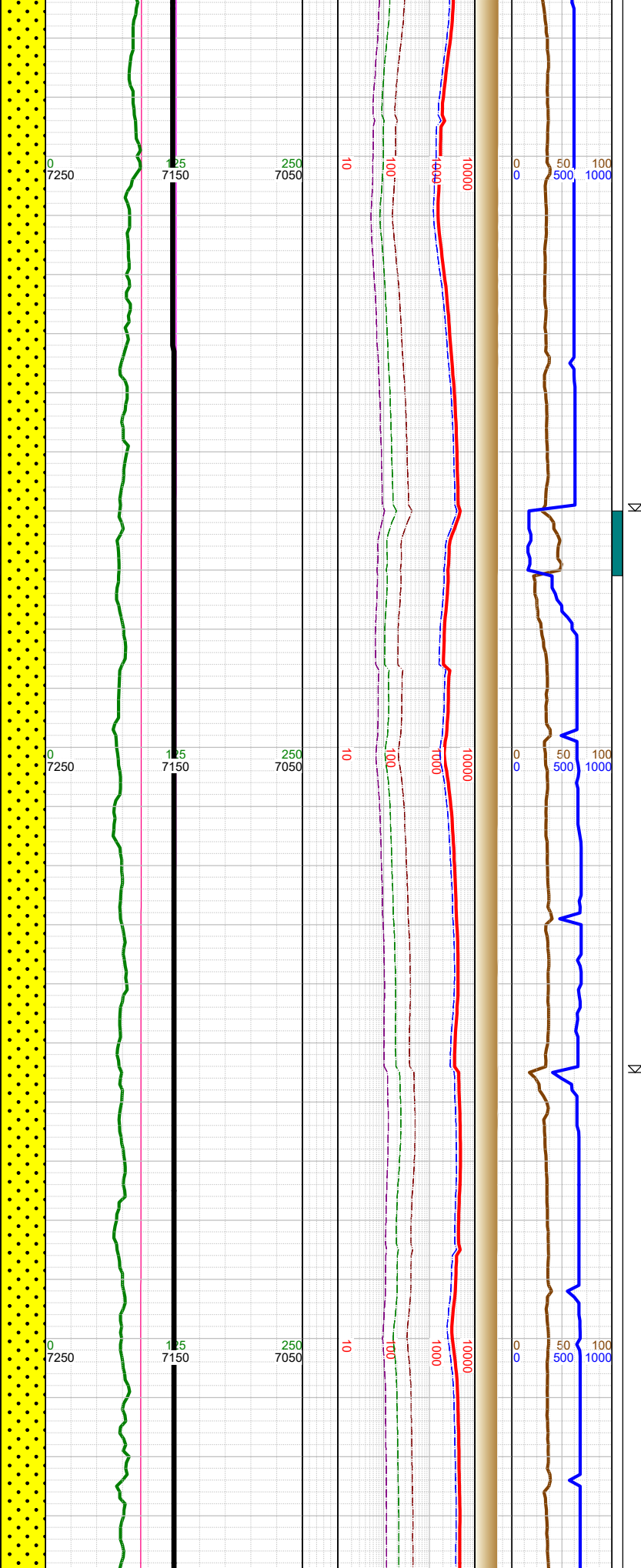
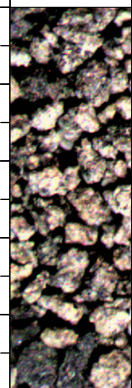
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-12110
-12120
-12130



-11891 INC
90.9, AZM
90.99, TVD
7150.88

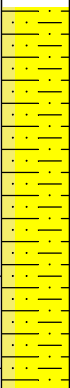
-11910 WT 9.8,
VIS 48

-11985 INC
90.15, AZM
89.93, TVD
7150.02

-12000 WT 9.8,
VIS 48

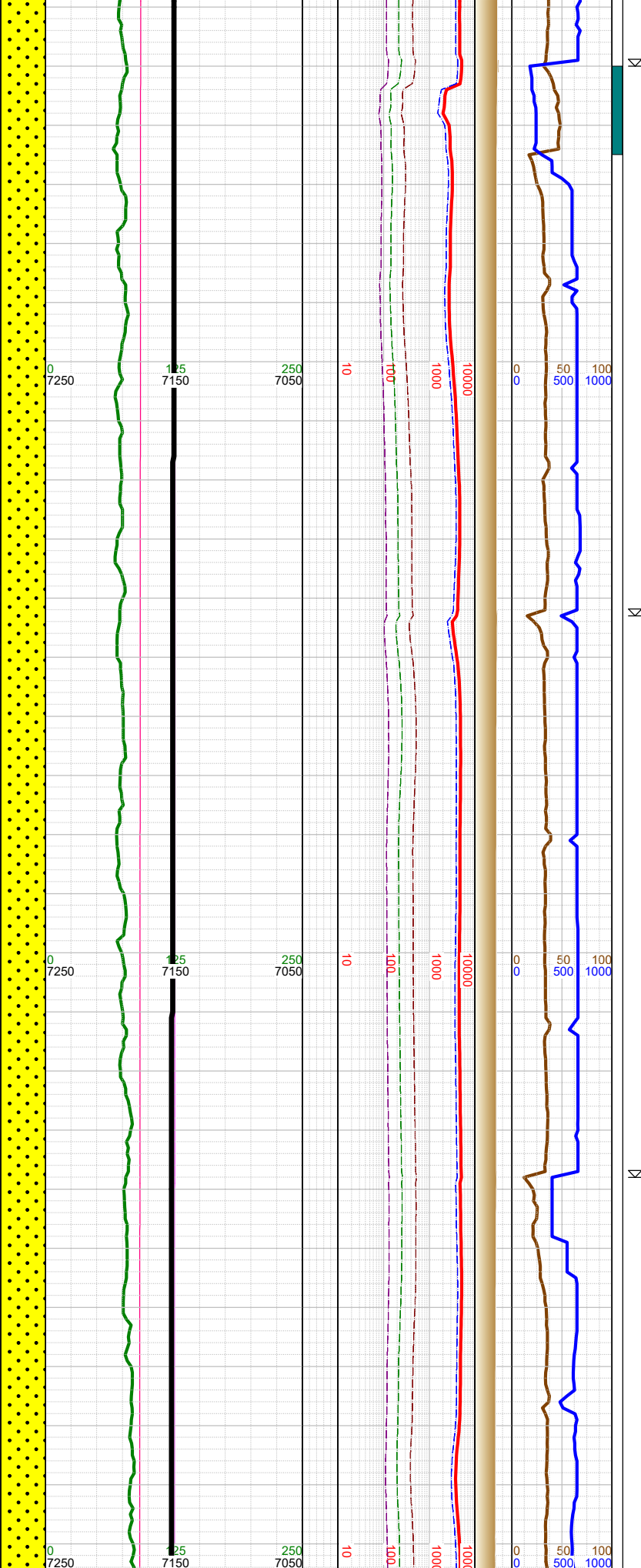
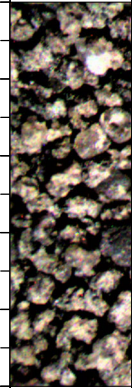
-12080 INC
90.41, AZM
89.84, TVD
7149.56

-12100 WT 9.7,
VIS 46



-12000 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;

-12140
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-12173 INC
89.09, AZM
89.71, TVD
7149.96

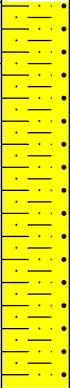
-12200 WT 9.7,
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-12268 INC
89.48, AZM
89.71, TVD
7151.15

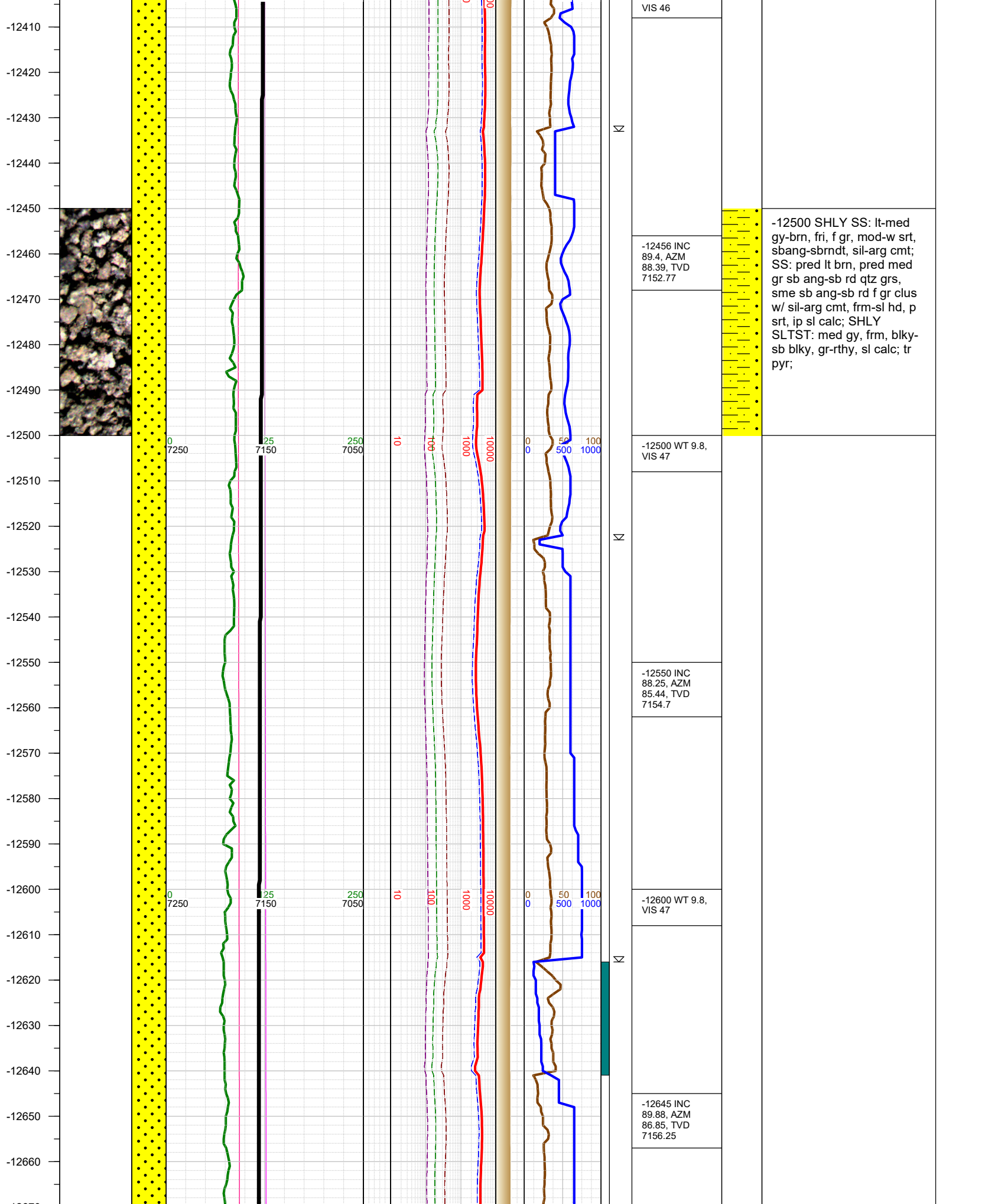
-12300 WT 9.7,
VIS 46

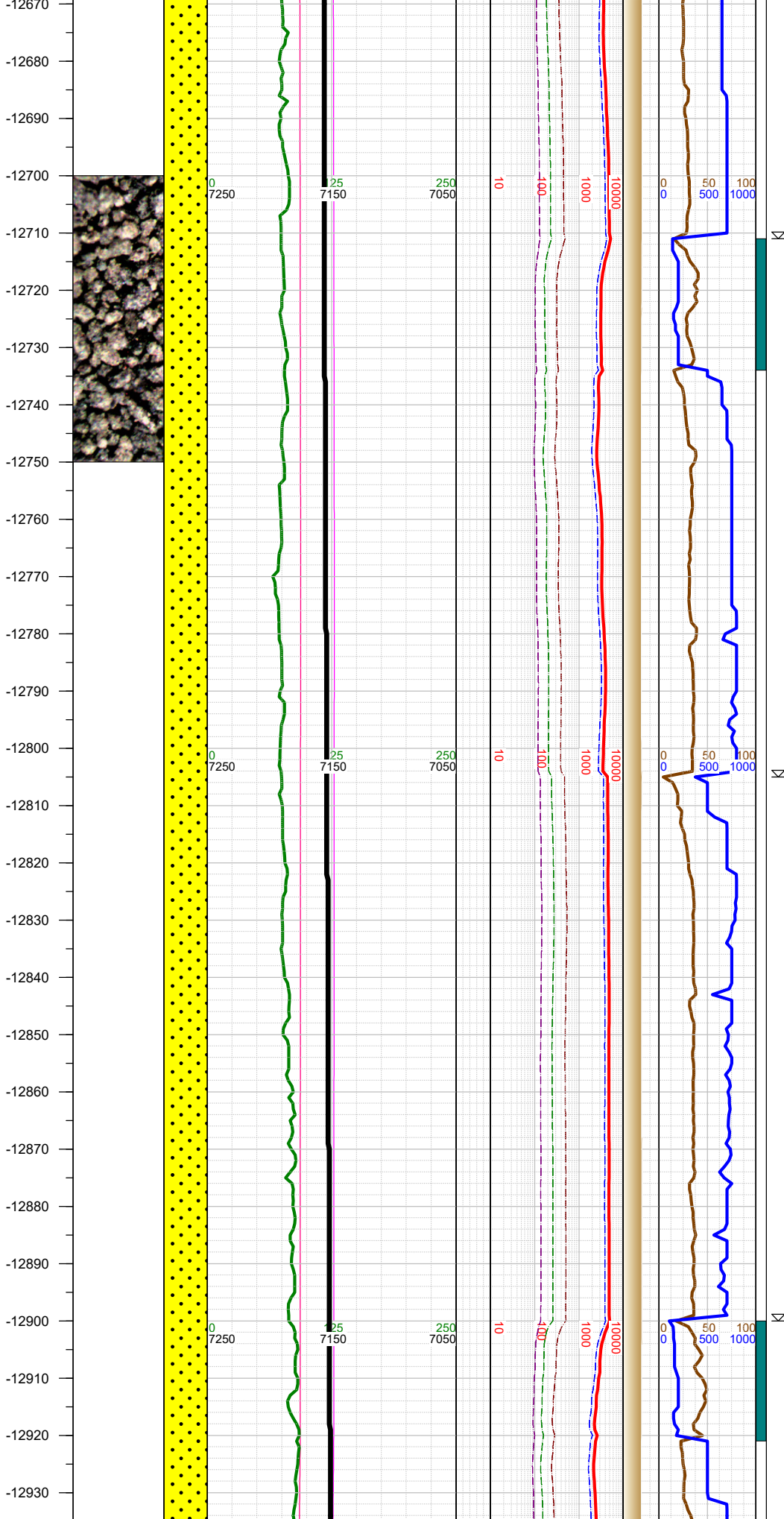
-12362 INC
89.57, AZM
88.52, TVD
7151.93

-12400 WT 9.7,



-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; SHLY
SLTST: med gy, frm, blk-
sb blk, gr-rthy, sl calc; tr
pyr;





-12700 WT 9.8,
VIS 47

-12750 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;

-12739 INC
91.07, AZM
88.7, TVD
7155.47

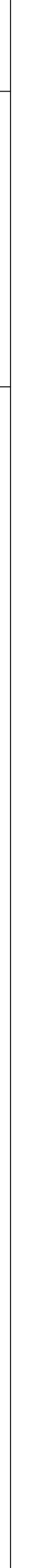
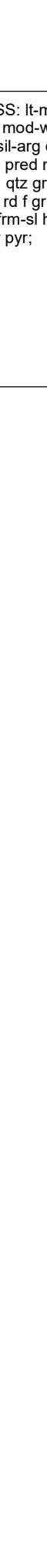
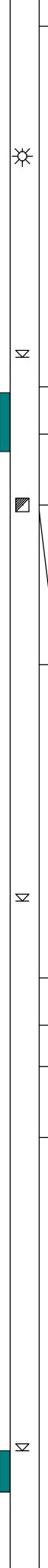
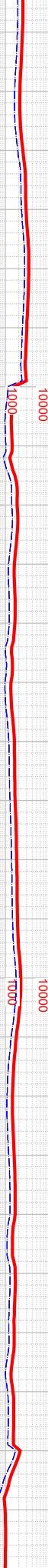
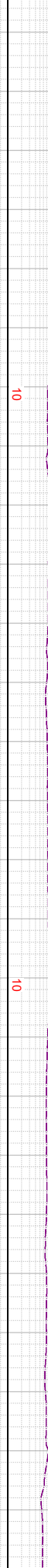
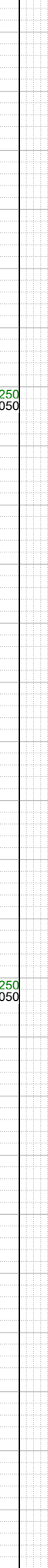
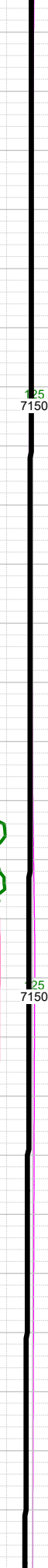
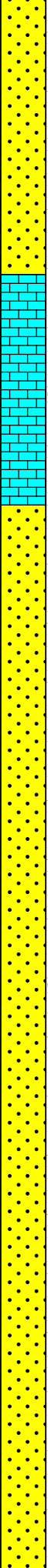
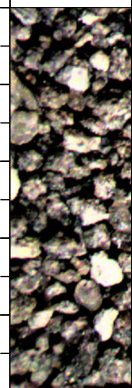
-12800 WT 9.8,
VIS 47

-12833 INC
91.65, AZM
88.48, TVD
7153.24

-12900 WT 9.8,
VIS 48

-12927 INC
90.68, AZM
90.77, TVD

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-13000
-13010
-13020
-13030
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-13000 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;

7151.33

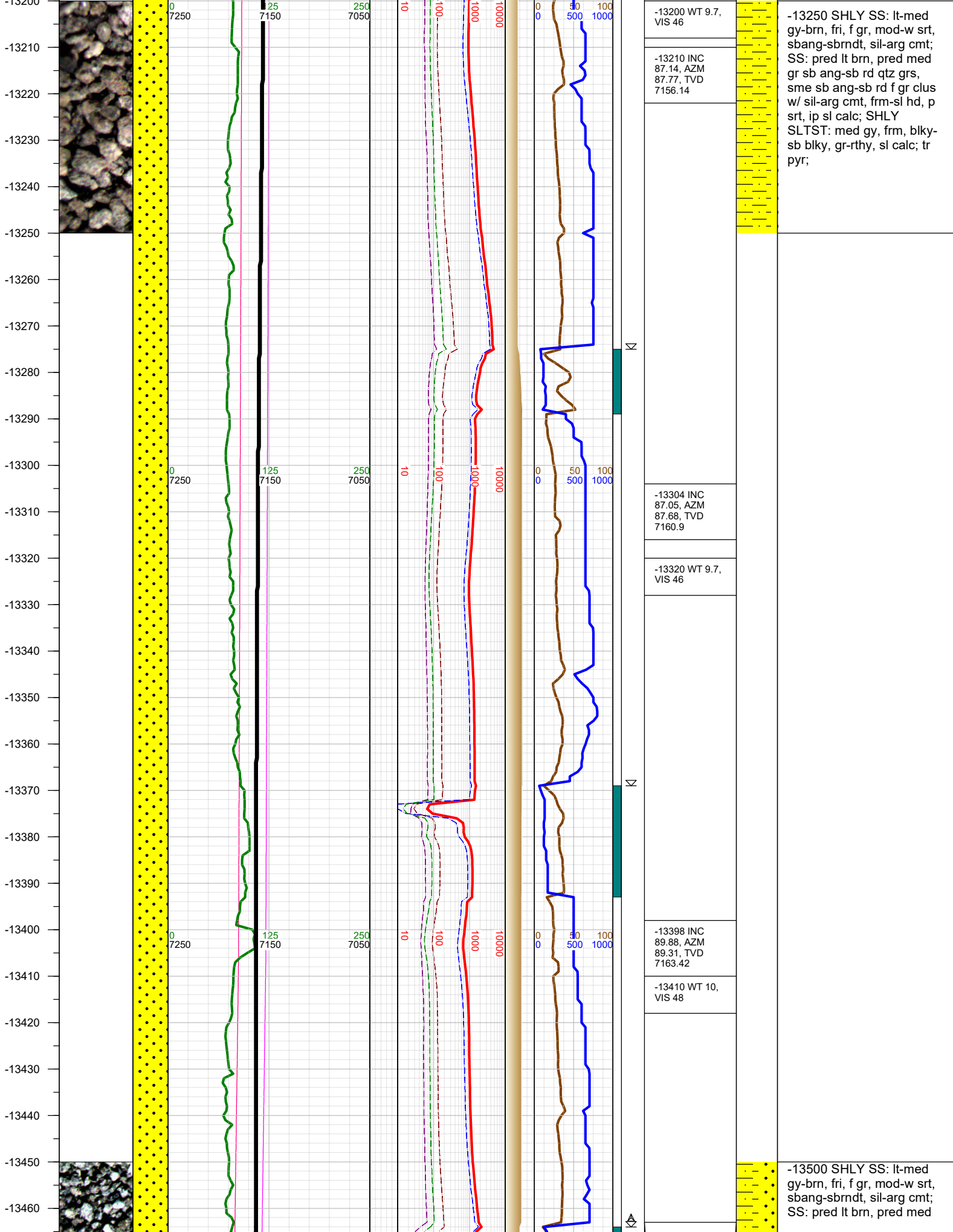
-13000 WT 9.8, VIS 48

-13020 Fault: 2' up-throw; went from Ft. Hays to Codell

-13021 INC 89.09, AZM 89.67, TVD 7151.52

-13100 WT 9.8, VIS 48

-13115 INC 89.09, AZM 89.27, TVD 7153.01



-13250 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;

-13200 WT 9.7, VIS 46

-13210 INC 87.14, AZM 87.77, TVD 7156.14

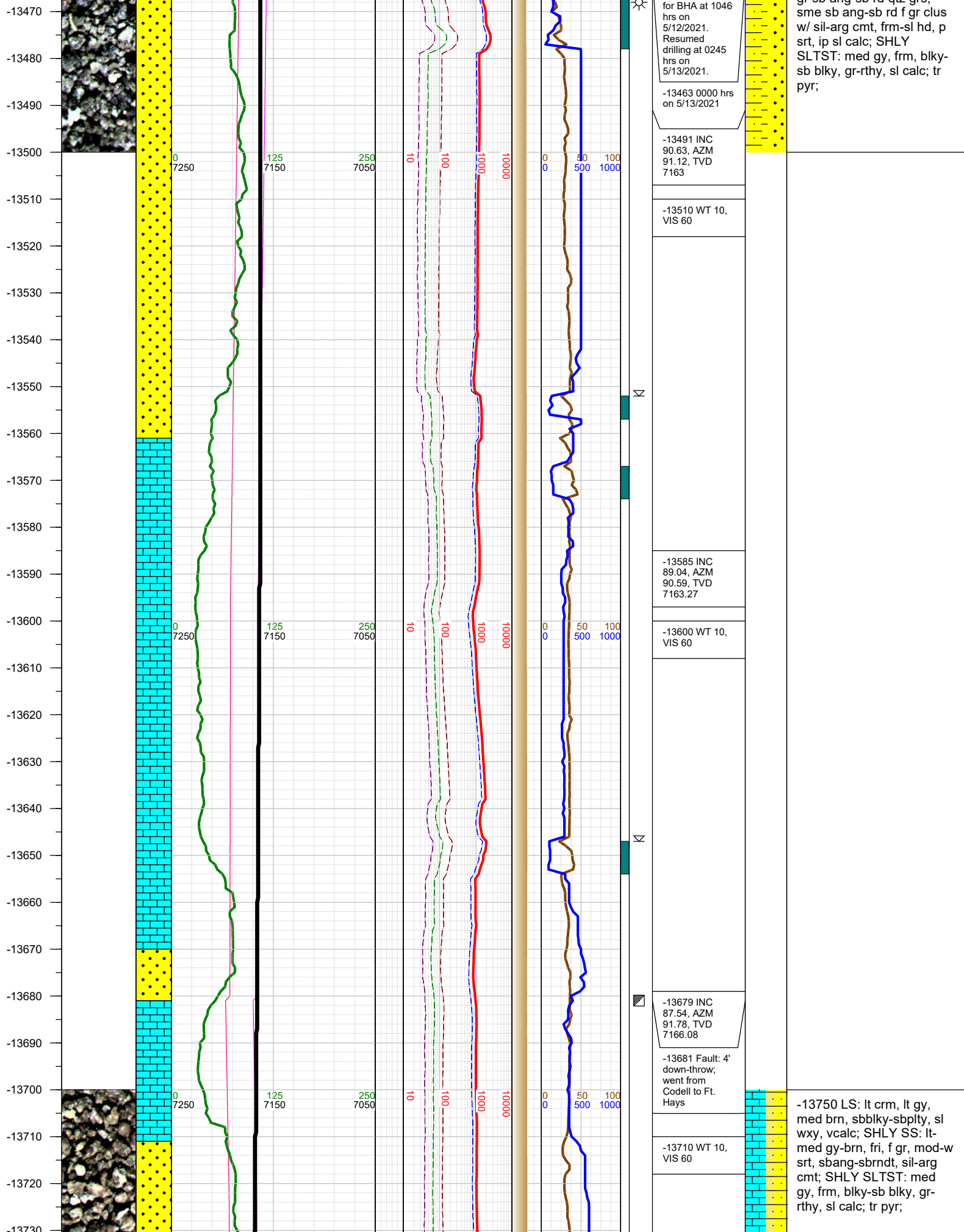
-13304 INC 87.05, AZM 87.68, TVD 7160.9

-13320 WT 9.7, VIS 46

-13398 INC 89.88, AZM 89.31, TVD 7163.42

-13410 WT 10, VIS 48

-13500 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SS: pred lt brn, pred med



-13463 TOOH
for BHA at 1046
hrs on
5/12/2021.
Resumed
drilling at 0245
hrs on
5/13/2021.

-13463 0000 hrs
on 5/13/2021

-13491 INC
90.63, AZM
91.12, TVD
7163

-13510 WT 10,
VIS 60

-13585 INC
89.04, AZM
90.59, TVD
7163.27

-13600 WT 10,
VIS 60

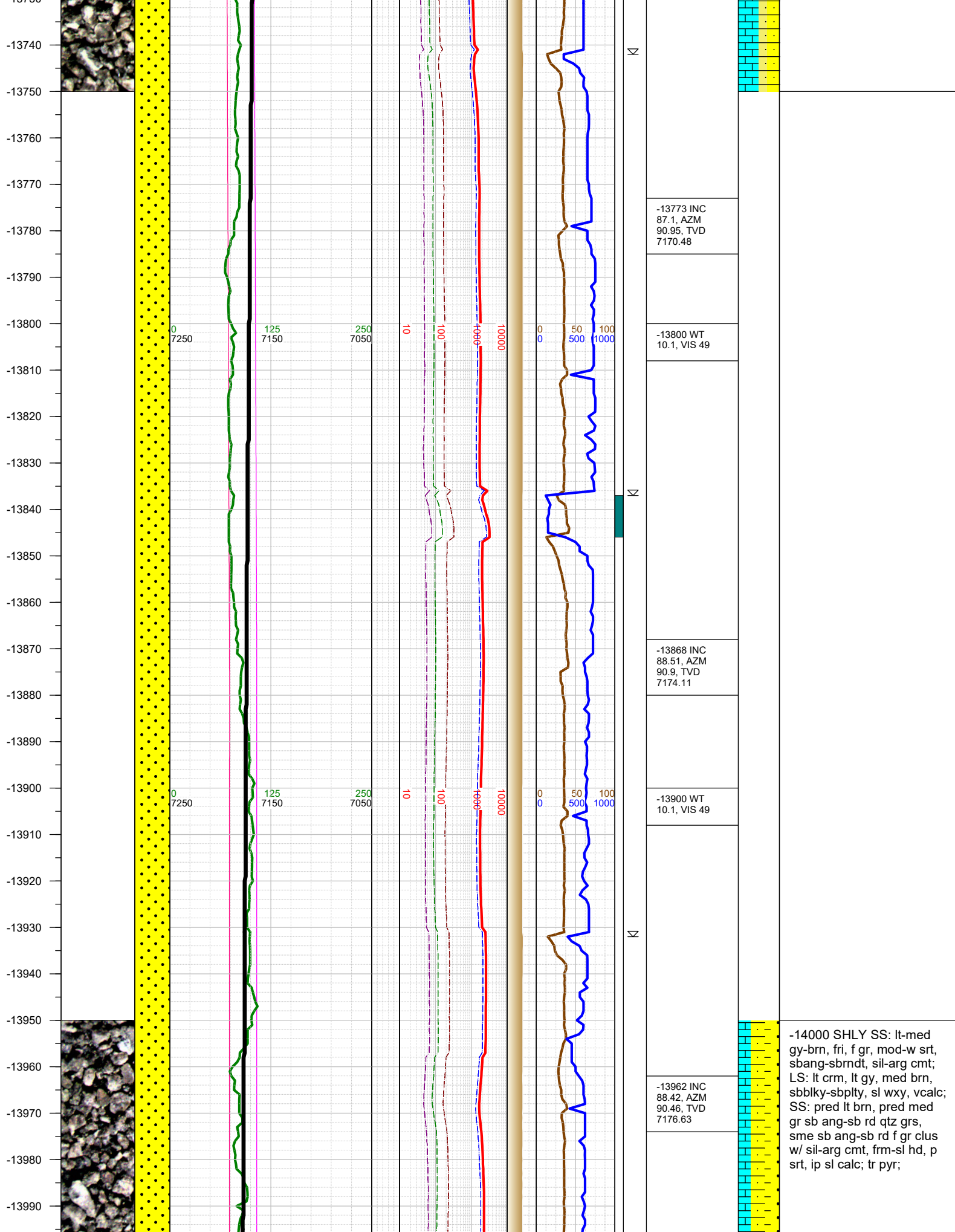
-13679 INC
87.54, AZM
91.78, TVD
7166.08

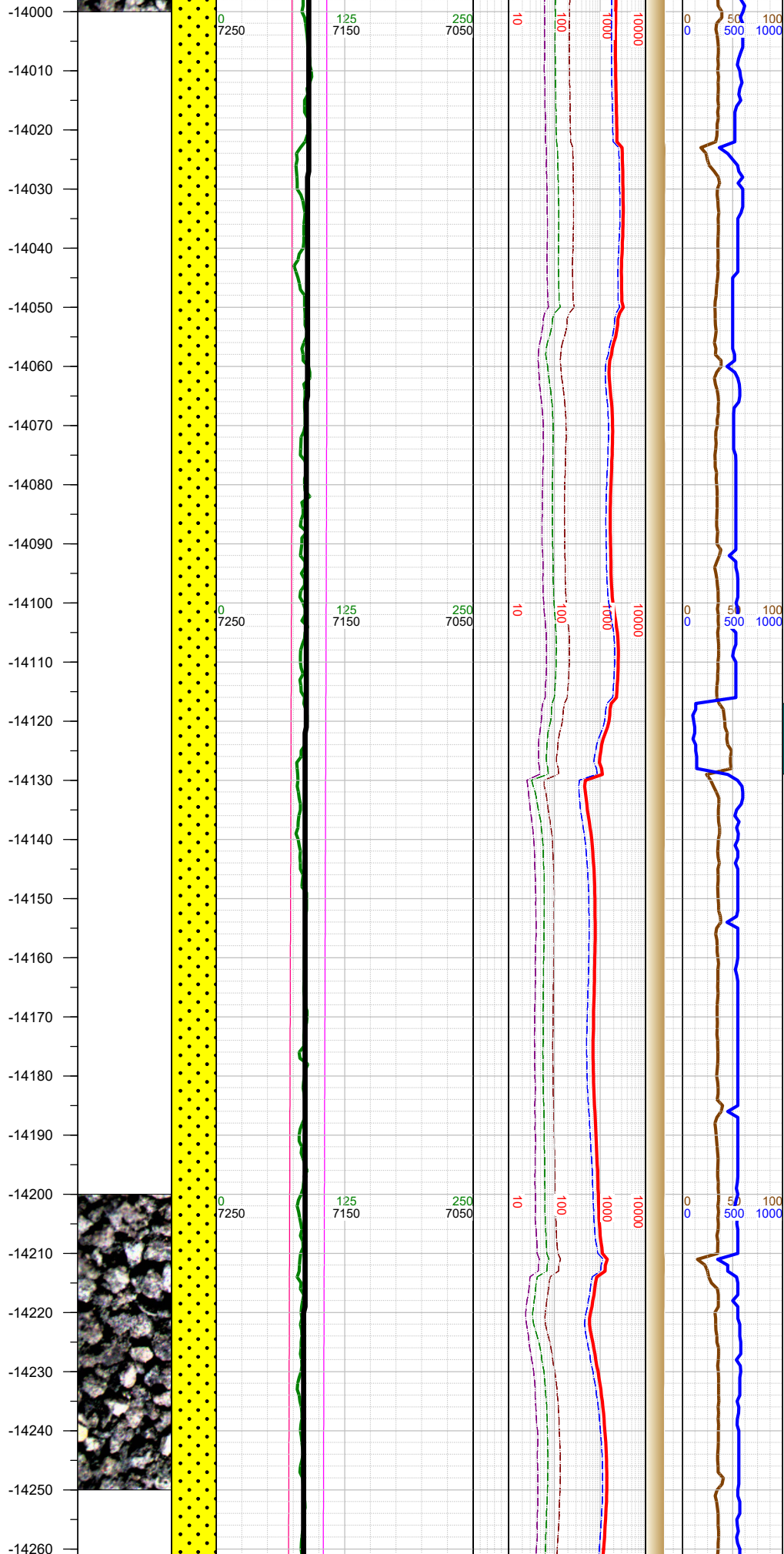
-13681 Fault: 4'
down-throw;
went from
Codell to Ft.
Hays

-13710 WT 10,
VIS 60

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;

-13750 LS: lt crm, lt gy,
med brn, sbbkly-sbply, sl
wxy, vcalc; 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;





-14000 WT
10.1, VIS 49

-14056 INC
88.29, AZM
89.98, TVD
7179.33

-14100 WT
10.1, VIS 49

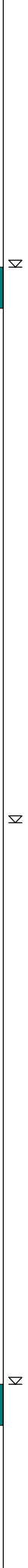
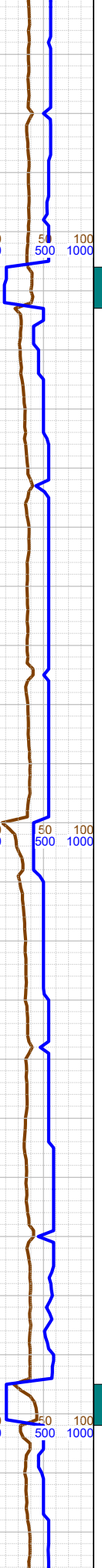
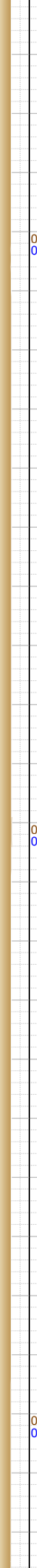
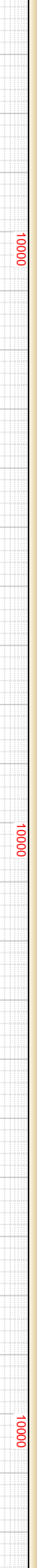
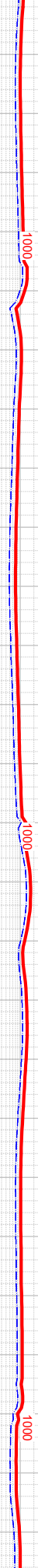
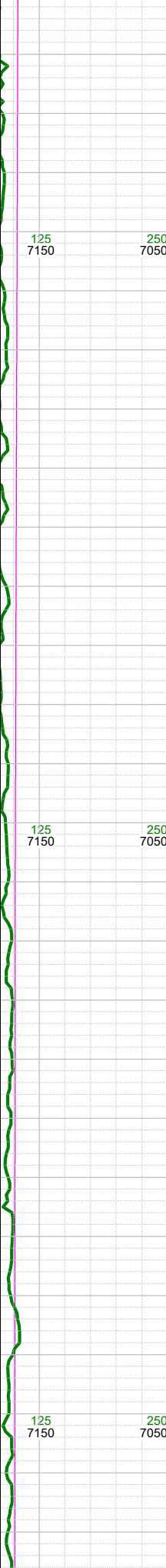
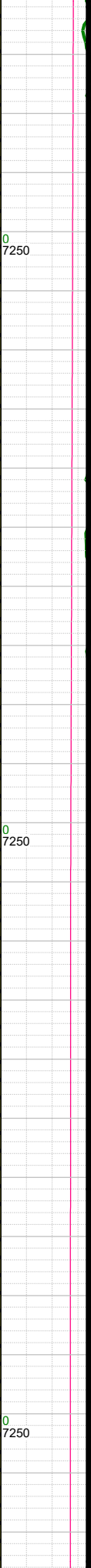
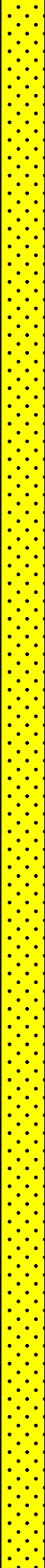
-14150 INC
89.66, AZM
90.81, TVD
7181.01

-14200 WT
10.1, VIS 49

-14244 INC
89.53, AZM
89.89, TVD
7181.68

-14250 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-dk gy, frm, blk-y-sb blk-y, gr-rthy, sl calc; tr pyr;

-14270
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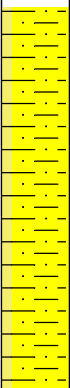


-14300 WT
10.1, VIS 49

-14338 INC
90.1, AZM
91.12, TVD
7181.98

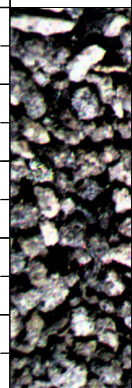
-14400 WT 10,
VIS 50

-14433 INC
89.88, AZM
90.06, TVD
7182

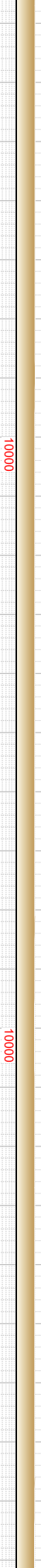
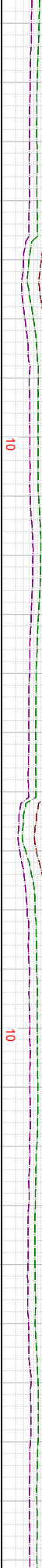
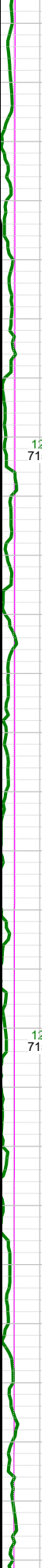
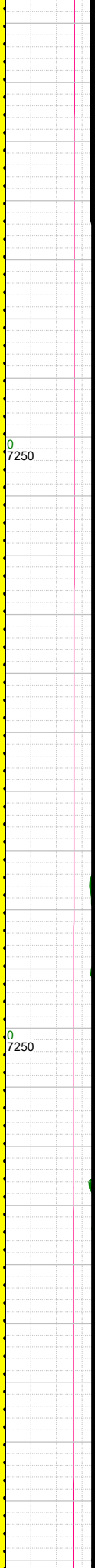


-14500 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SHLY SLTST: med-dk gy, frm, blk-y-sb blk-y, gr-rthy, sl calc; SS: pred lt brn, pred med gr sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; tr pyr;

-14500 WT 10,
VIS 50



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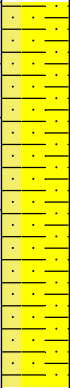
-14527 INC
90.46, AZM
90.5, TVD
7181.72

-14600 WT 10,
VIS 50

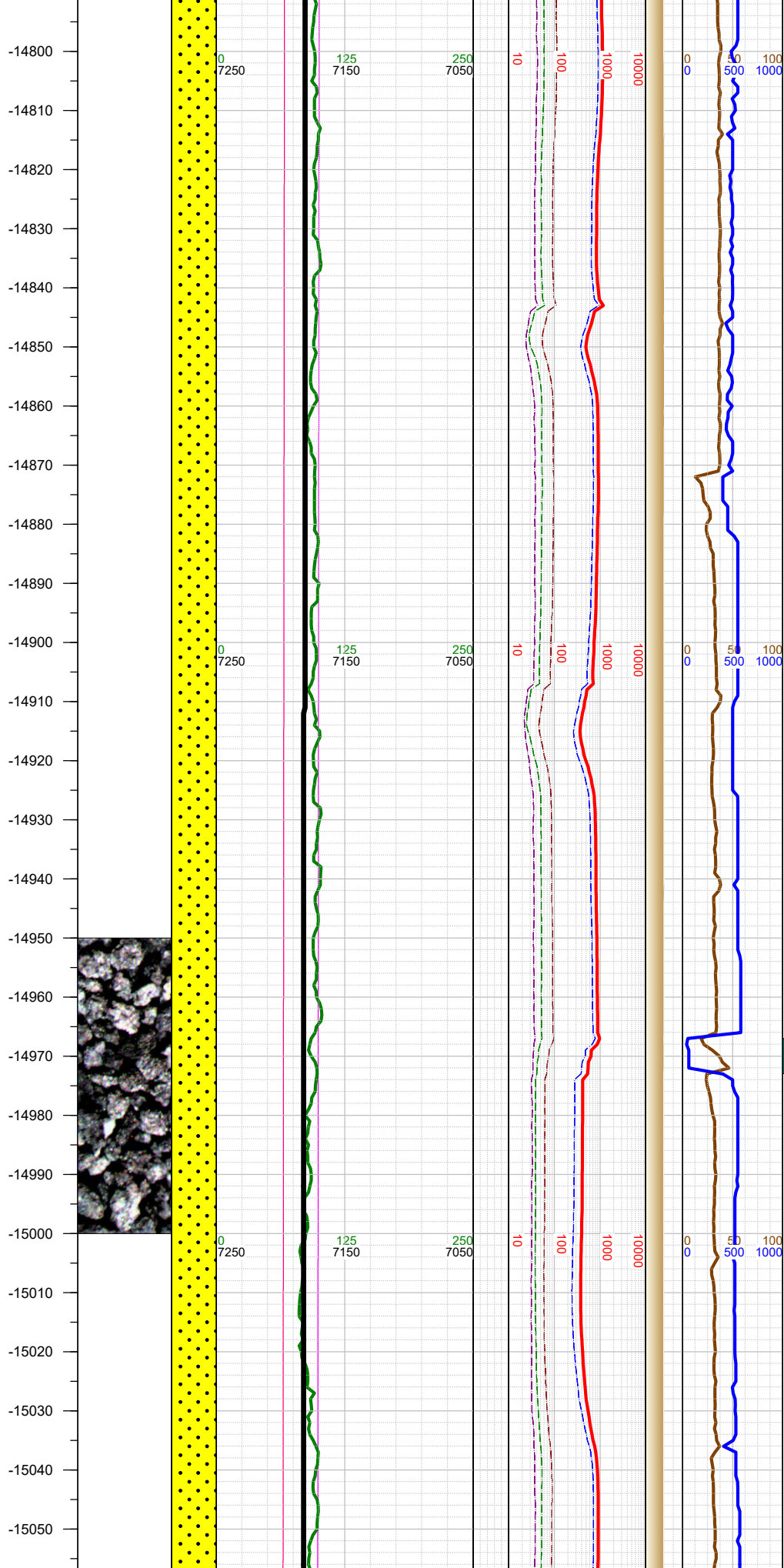
-14621 INC
90.23, AZM
90.5, TVD
7181.15

-14700 WT 10,
VIS 50

-14715 INC
90.19, AZM
89.49, TVD
7180.81



-14750 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;



-14800 WT 10,
VIS 50

-14810 INC
89.75, AZM
89.54, TVD
7180.86

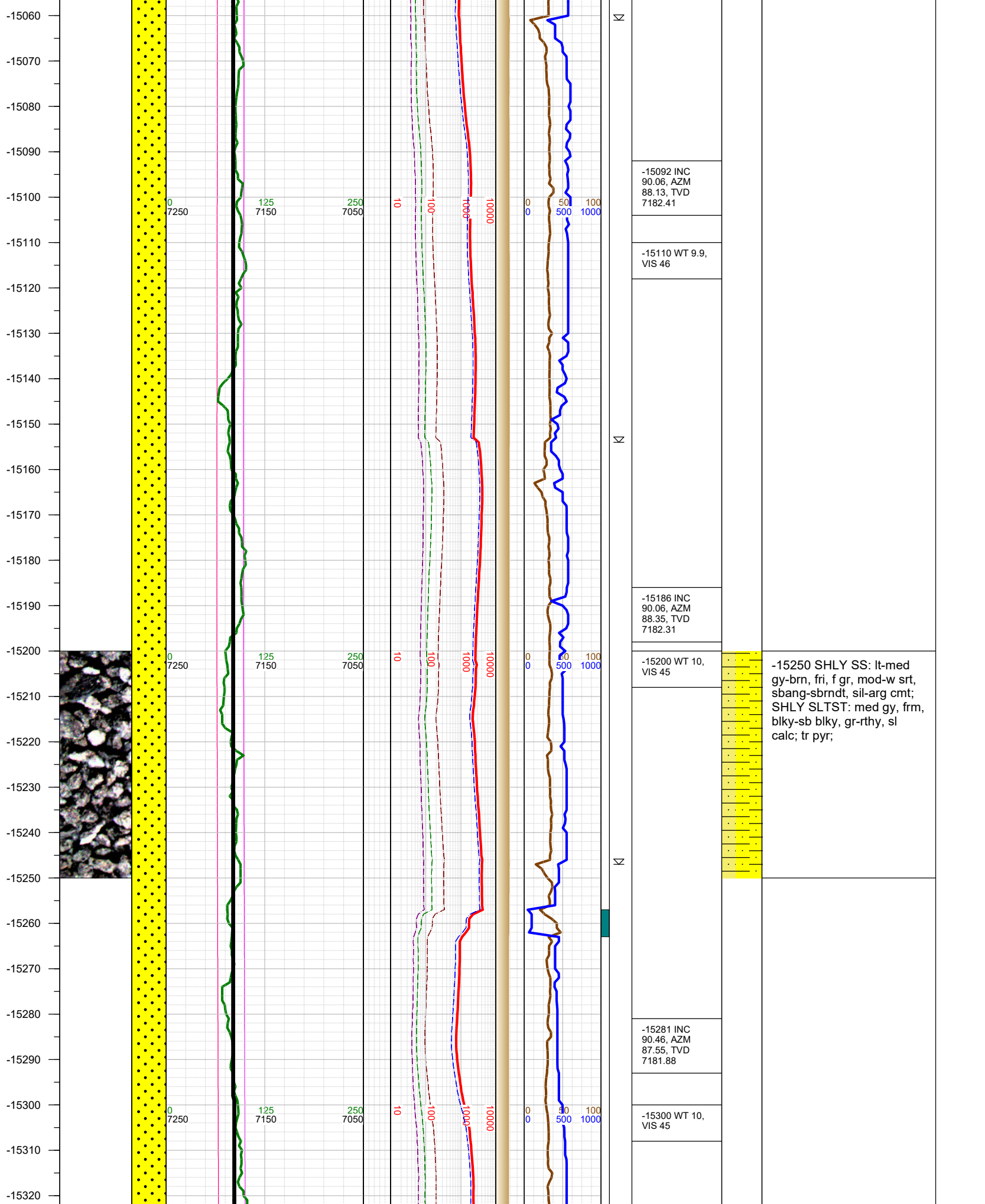
-14904 INC
89.53, AZM
89.18, TVD
7181.45

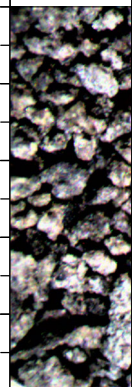
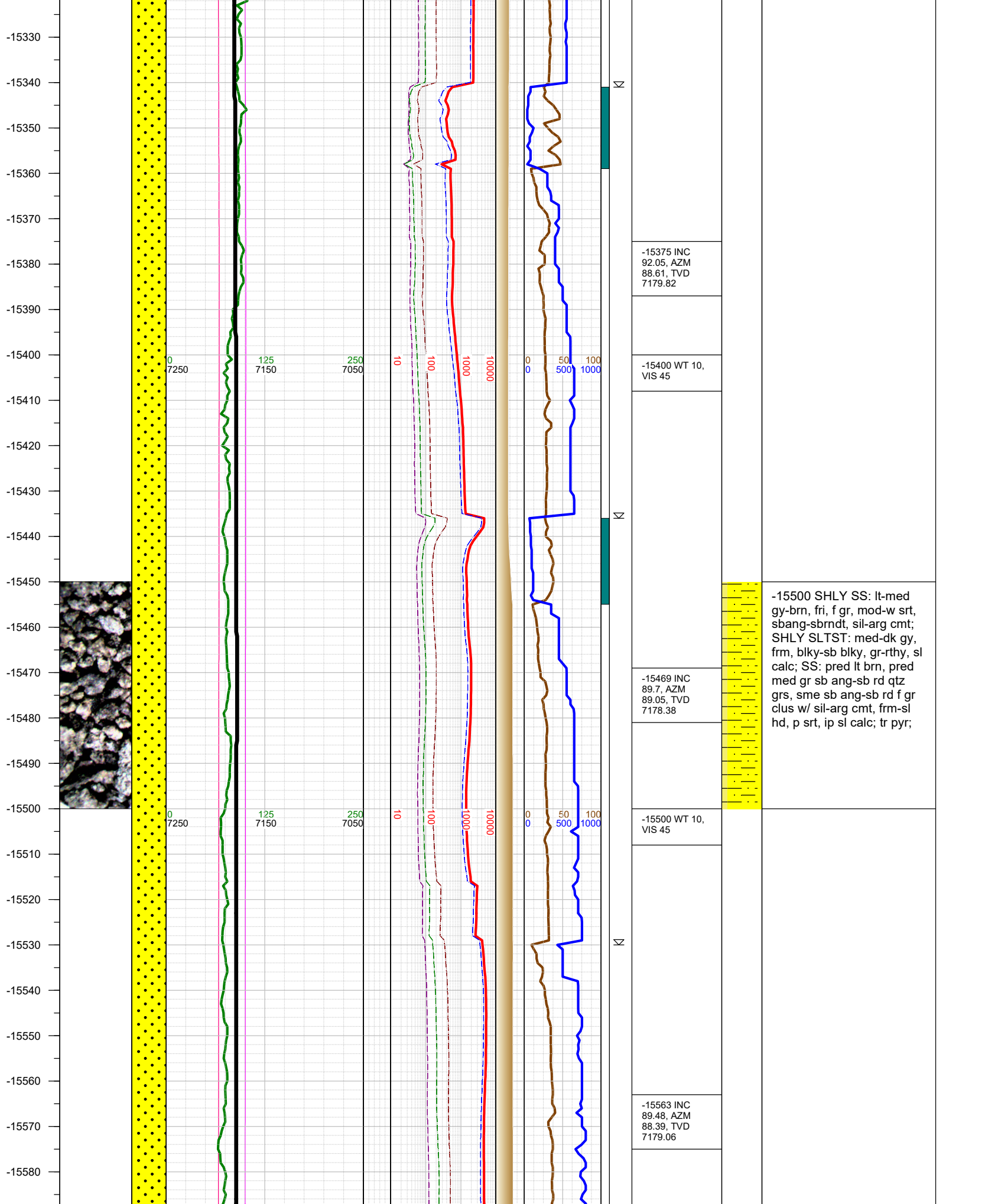
-14920 WT 10,
VIS 50

-15000 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;

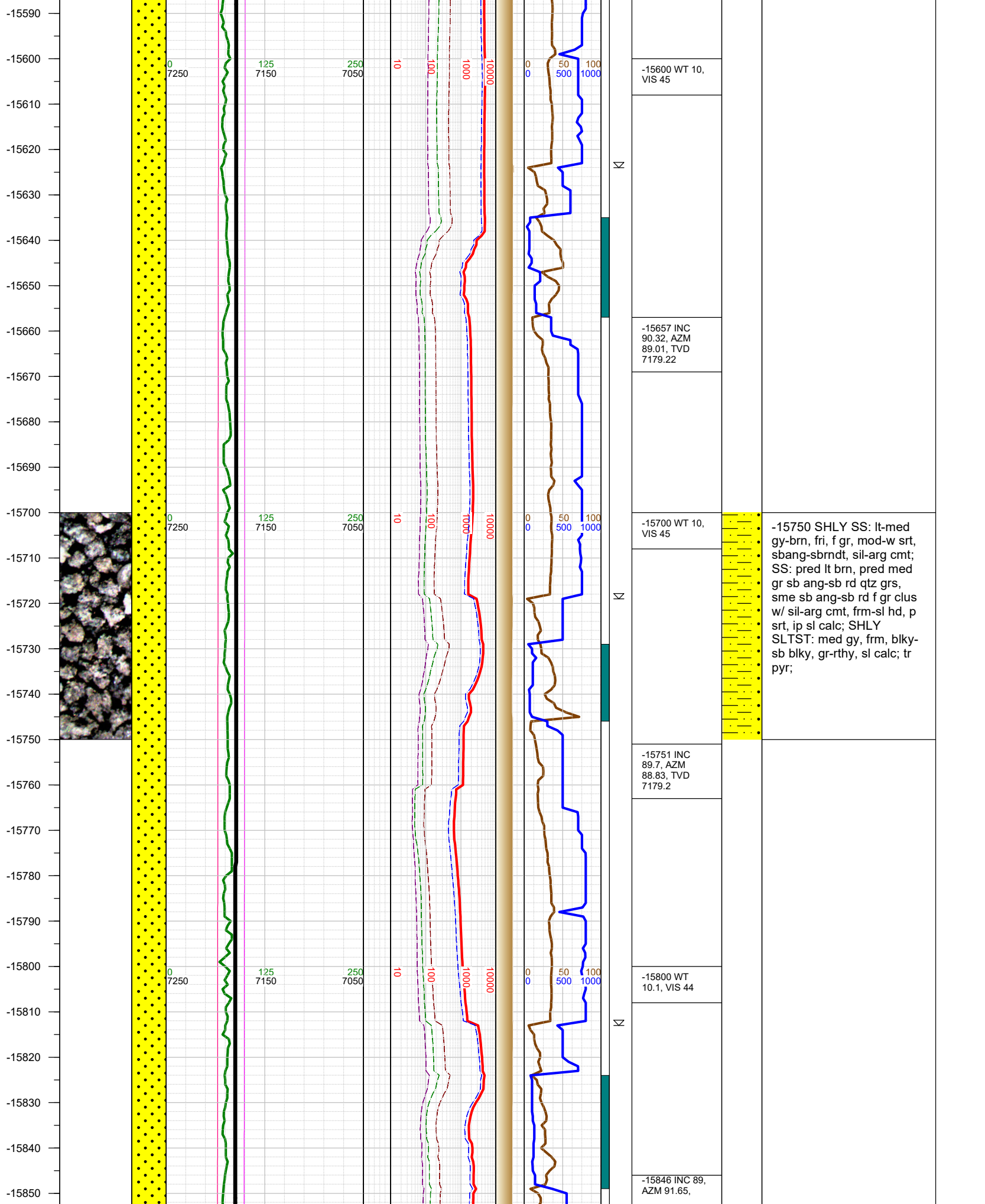
-14998 INC
89.62, AZM
89.01, TVD
7182.14

-15010 WT 10,
VIS 50





-15500 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SHLY SLTST: med-dk gy, frm, blk-y-sb blk-y, 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;



-15600 WT 10, VIS 45

-15657 INC 90.32, AZM 89.01, TVD 7179.22

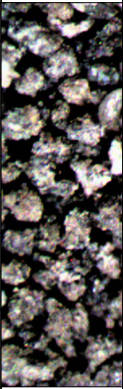
-15700 WT 10, VIS 45

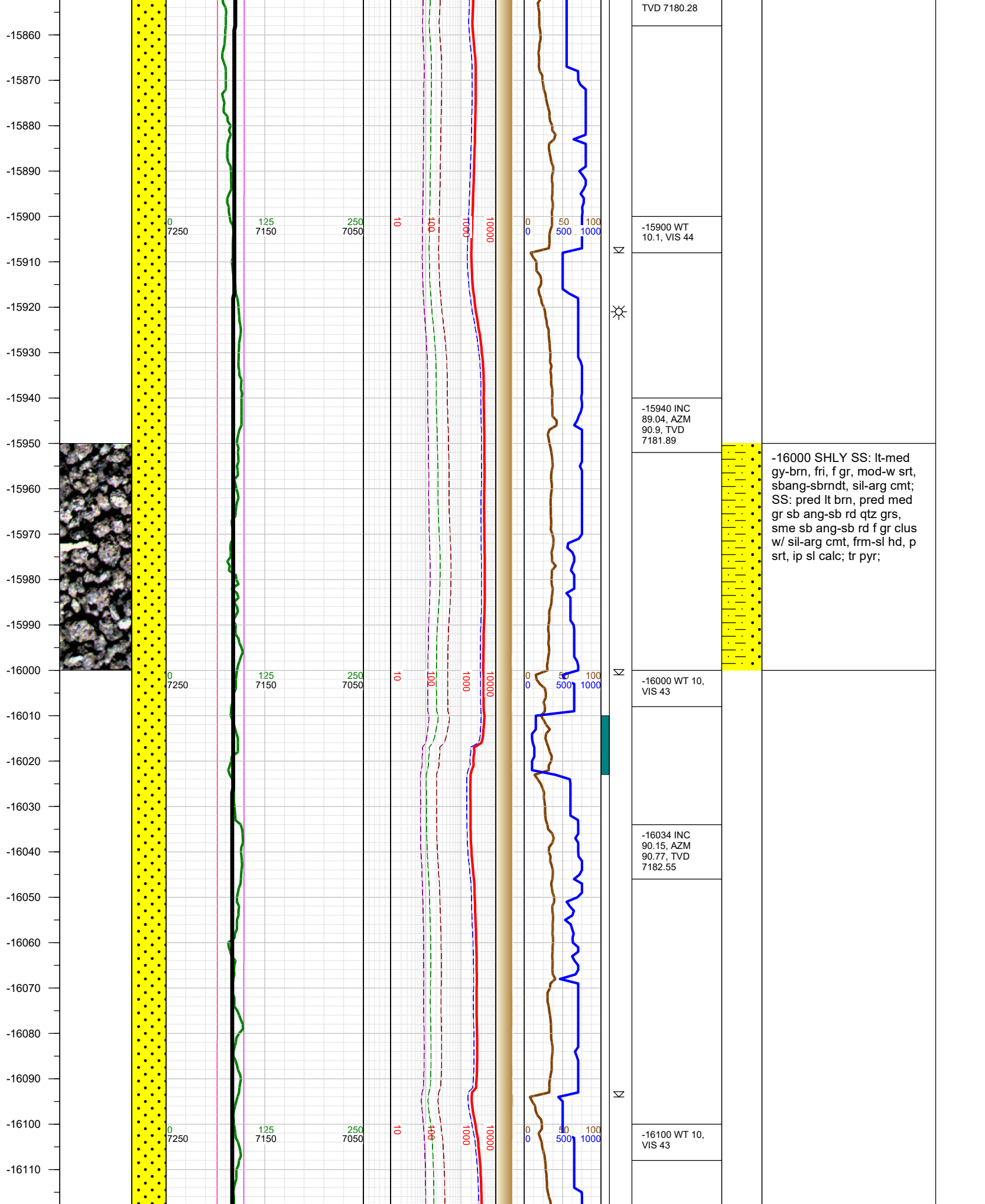
-15750 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SS: pred lt brn, pred med gr sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; SHLY SLTST: med gy, frm, blk-sb blk-y, gr-rthy, sl calc; tr pyr;

-15751 INC 89.7, AZM 88.83, TVD 7179.2

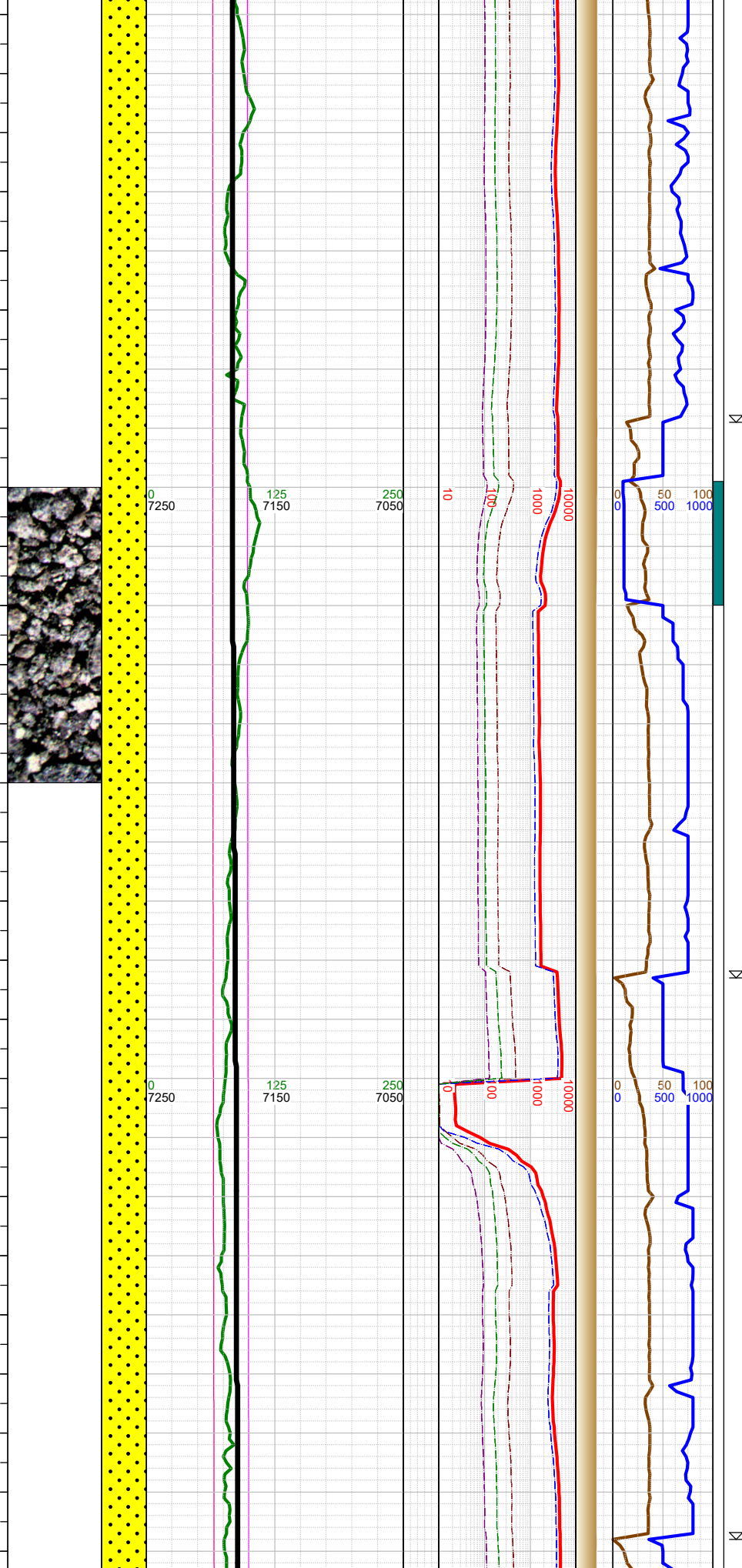
-15800 WT 10.1, VIS 44

-15846 INC 89, AZM 91.65,





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-16380



-16128 INC
89.13, AZM
89.49, TVD
7183.14

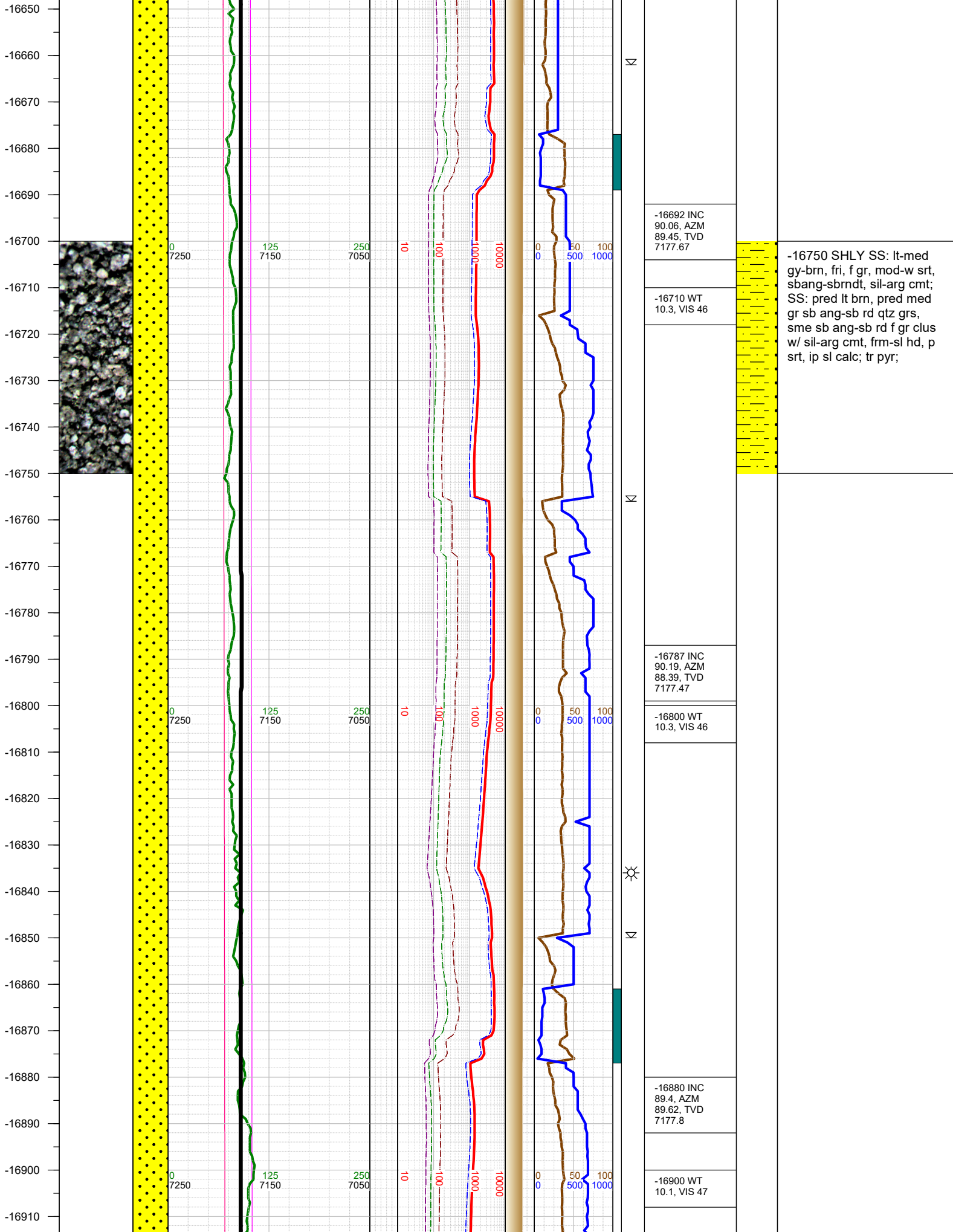
-16200 WT 10,
VIS 43

-16223 INC
91.52, AZM
89.58, TVD
7182.61

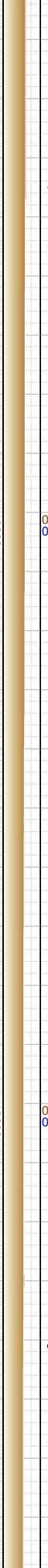
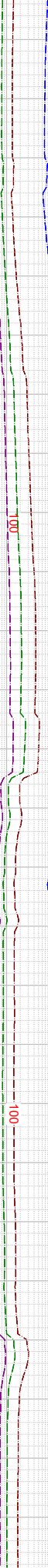
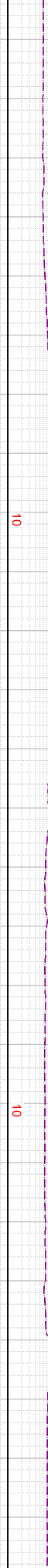
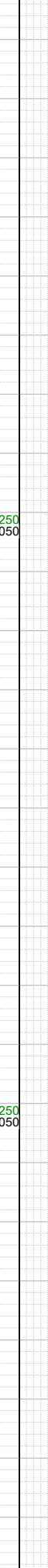
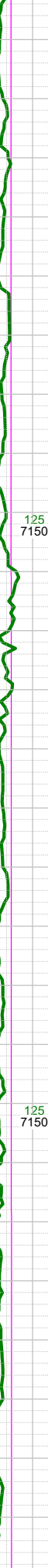
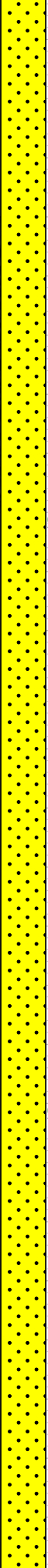
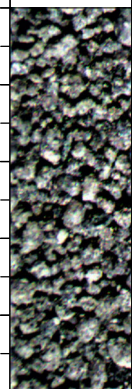
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VIS 43

-16317 INC
91.74, AZM
89.49, TVD
7179.93

-16250 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;



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-16975 INC
88.73, AZM
88.04, TVD
7179.35

-17000 WT
10.1, VIS 47

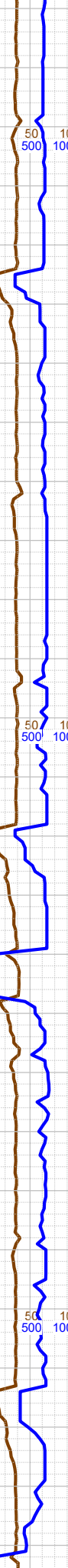
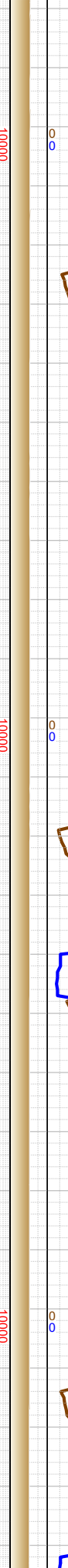
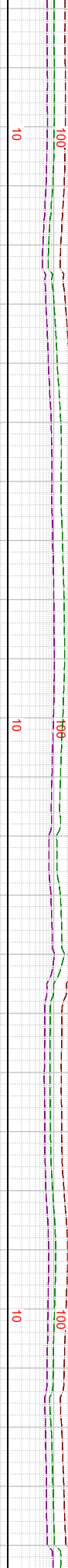
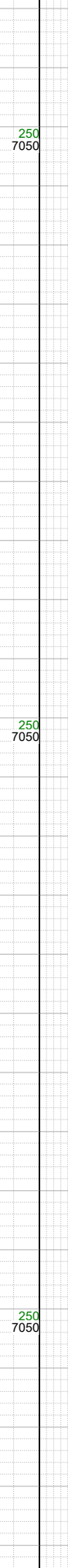
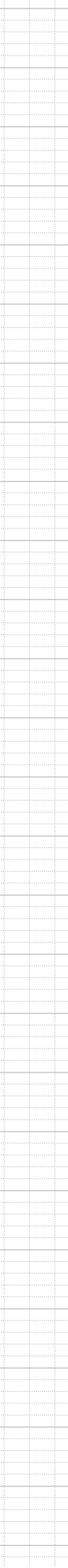
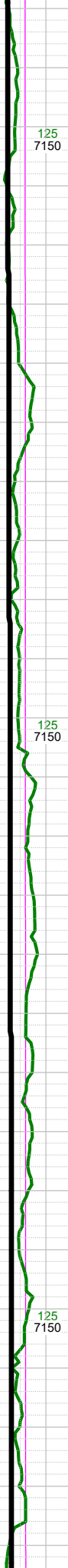
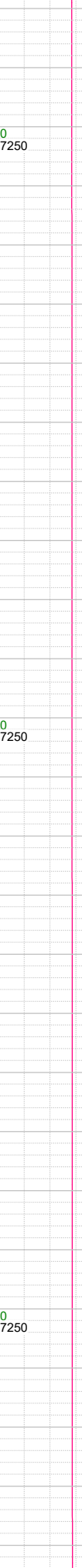
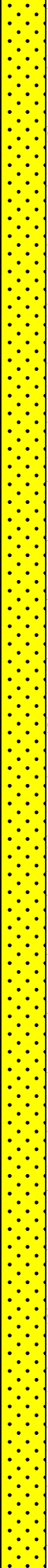
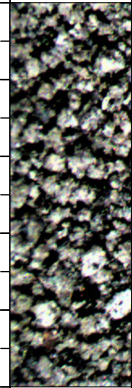
-17069 INC
89.31, AZM
90.73, TVD
7180.96

-17100 WT
10.1, VIS 47

-17163 INC
91.07, AZM
93.59, TVD
7180.65

-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; SHLY
SLTST: med gy, frm, blk-
sb blk, gr-rthy, sl calc; tr
pyr;

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-17200 WT
10.1, VIS 47

-17258 INC
91.07, AZM
93.55, TVD
7178.87

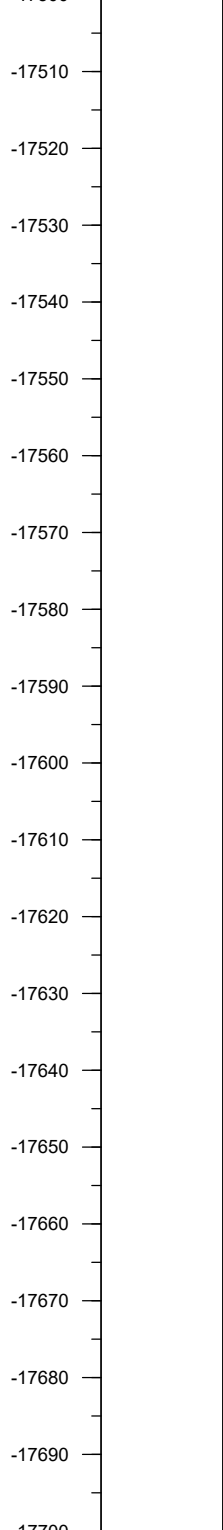
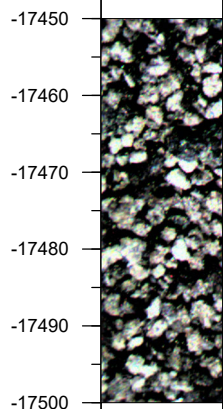
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10.1, VIS 47

-17352 INC
90.59, AZM
92.31, TVD
7177.51

-17400 WT
10.1, VIS 47



-17250 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-y, gr-rthy, sl calc; tr pyr;



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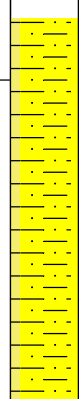
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0 500 1000

-17446 INC
90.15, AZM
92.14, TVD
7176.9



-17500 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; 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
10.1, VIS 47

-17540 INC
90.46, AZM
91.34, TVD
7176.4

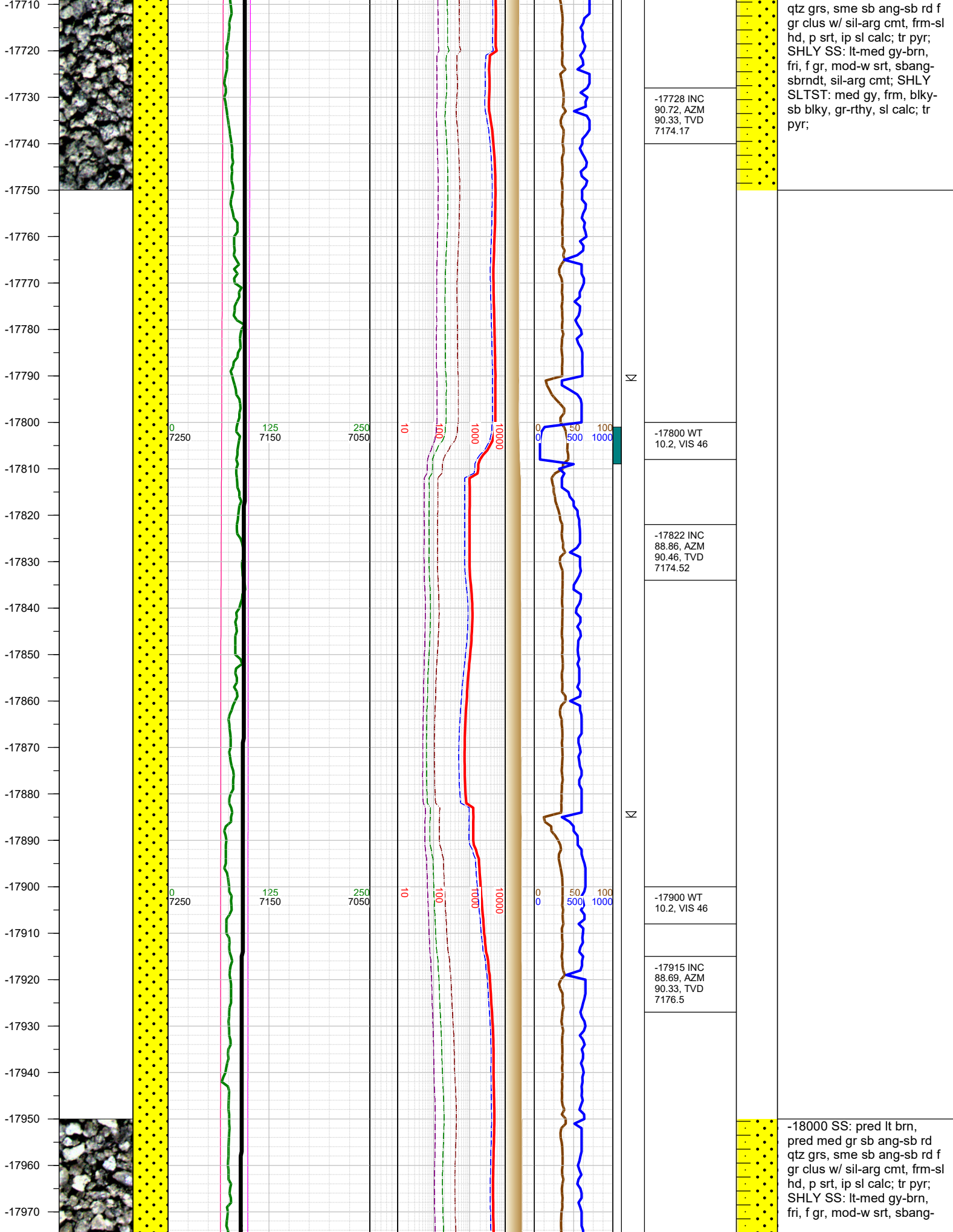
-17600 WT
10.1, VIS 47

-17634 INC
90.77, AZM
91.43, TVD
7175.39

-17700 WT
10.2, VIS 46



-17750 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;
 SHLY SS: lt-med gy-brn,
 fri, f gr, mod-w srt, sbang-
 sbrndt, sil-arg cmt; SHLY
 SLTST: med gy, frm, blk-
 sb blkly, gr-rthy, sl calc; tr
 pyr;

-17728 INC
 90.72, AZM
 90.33, TVD
 7174.17

-17800 WT
 10.2, VIS 46

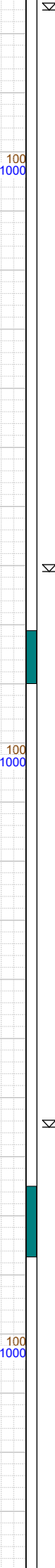
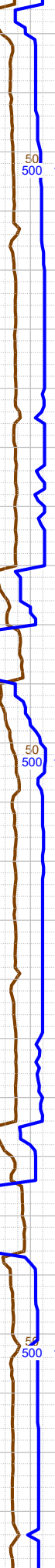
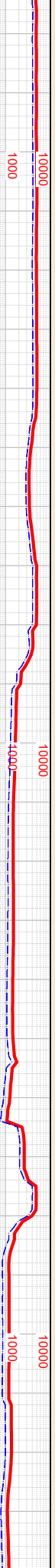
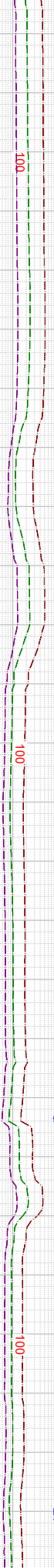
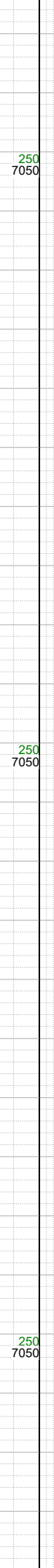
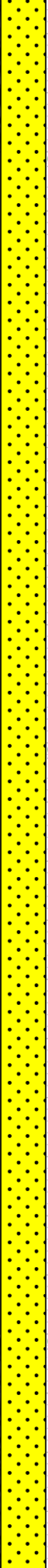
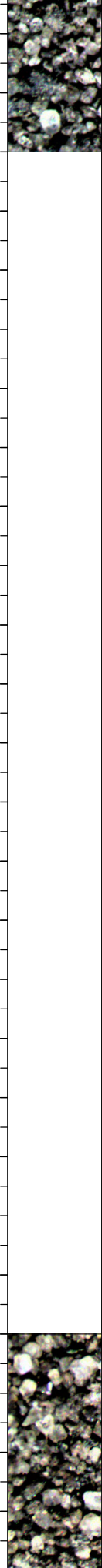
-17822 INC
 88.86, AZM
 90.46, TVD
 7174.52

-17900 WT
 10.2, VIS 46

-17915 INC
 88.69, AZM
 90.33, TVD
 7176.5

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

-17980
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0 500 1000

-18000 WT
10.2, VIS 46

-18009 INC
88.64, AZM
88.65, TVD
7178.7

-18104 INC
88.29, AZM
90.95, TVD
7181.24

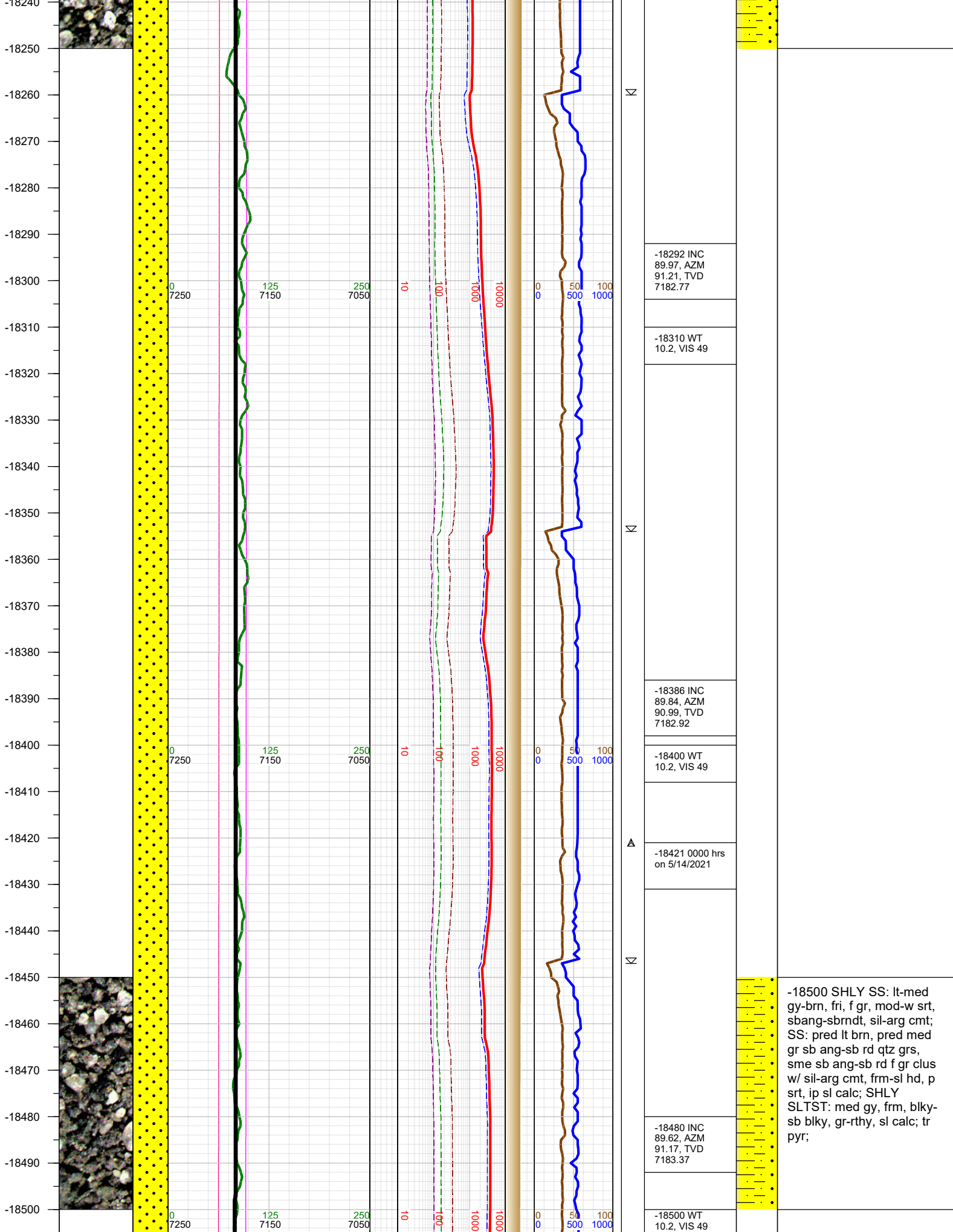
-18120 WT
10.2, VIS 46

-18197 INC
89.93, AZM
91.87, TVD
7182.68

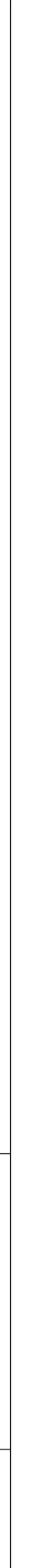
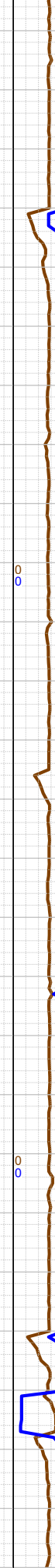
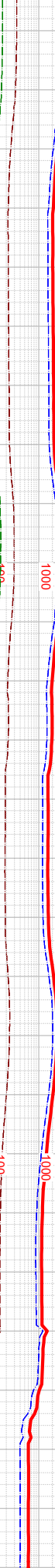
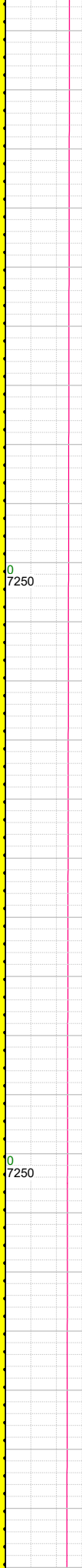
-18210 WT
10.2, VIS 49

-18250 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;

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-18574 INC
89.48, AZM
90.06, TVD
7184.1

-18600 WT
10.2, VIS 49

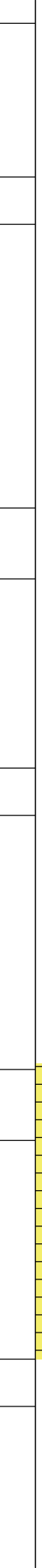
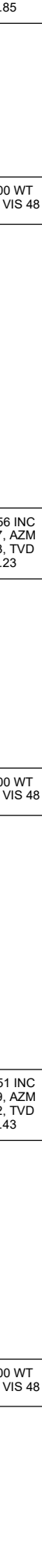
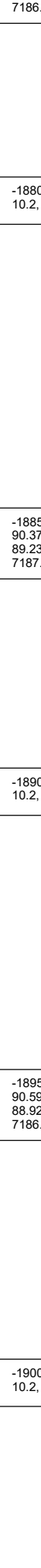
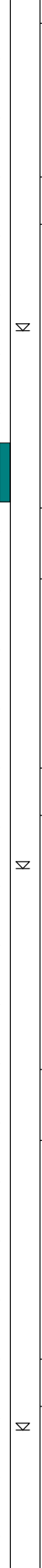
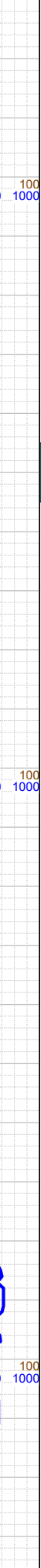
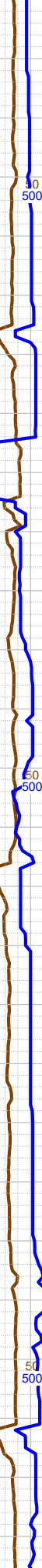
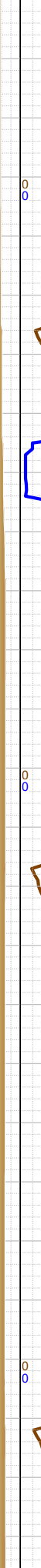
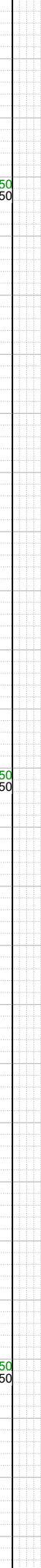
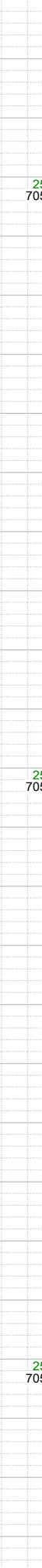
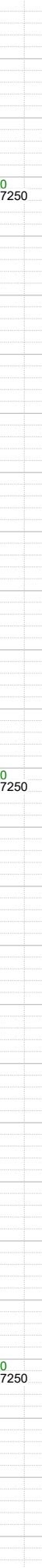
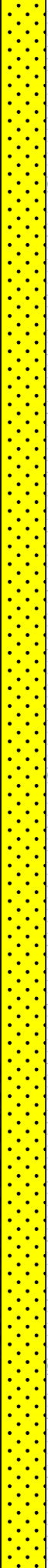
-18668 INC 89,
AZM 90.02,
TVD 7185.35

-18700 WT
10.2, VIS 48

-18762 INC
89.17, AZM
89.8, TVD

-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
blkysb, gr-rthy, sl calc; tr
pyr;

-18770
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-19020
-19030



7186.85

-18800 WT
10.2, VIS 48

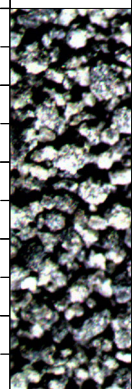
-18856 INC
90.37, AZM
89.23, TVD
7187.23

-18900 WT
10.2, VIS 48

-18951 INC
90.59, AZM
88.92, TVD
7186.43

-19000 WT
10.2, VIS 48

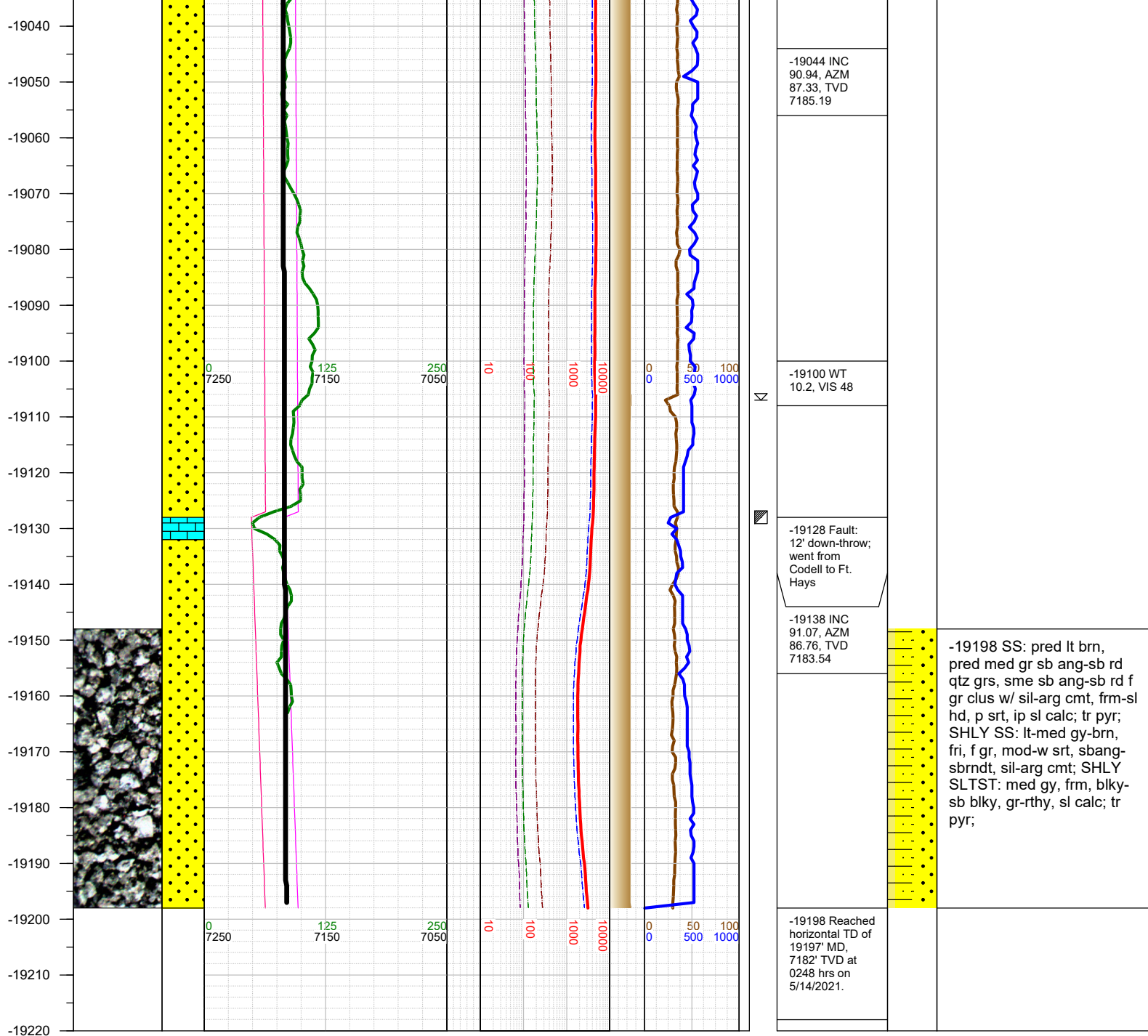
-19000 SHLY SS: lt-med gy-brn, fri, f gr, mod-w srt, sbang-sbrndt, sil-arg cmt; SS: pred lt brn, pred med gr sb ang-sb rd qtz grs, sme sb ang-sb rd f gr clus w/ sil-arg cmt, frm-sl hd, p srt, ip sl calc; SHLY SLTST: med gy, frm, blkysb blkys, gr-rthy, sl calc; tr pyr;



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TOTAL DEPTH = 19198'

Thank you for using Earth Science Agency