

OPERATOR: **Bayswater E&P, LLC**

WELL NAME: **Ruby East 1**

FIELD NAME: DJ Basin - Wattenberg

DRILLING RIG: Akita 518

API #: 05-123-51737

LAT/LONG: 40.590477, -104.707102

SURFACE HOLE: SENW S7-T7N-R65W, 2408' FNL, 2429' FWL

BOTTOM HOLE: S8-T7N-R65W, 60' FNL, 470' FEL



Earth Science Agency, LLC

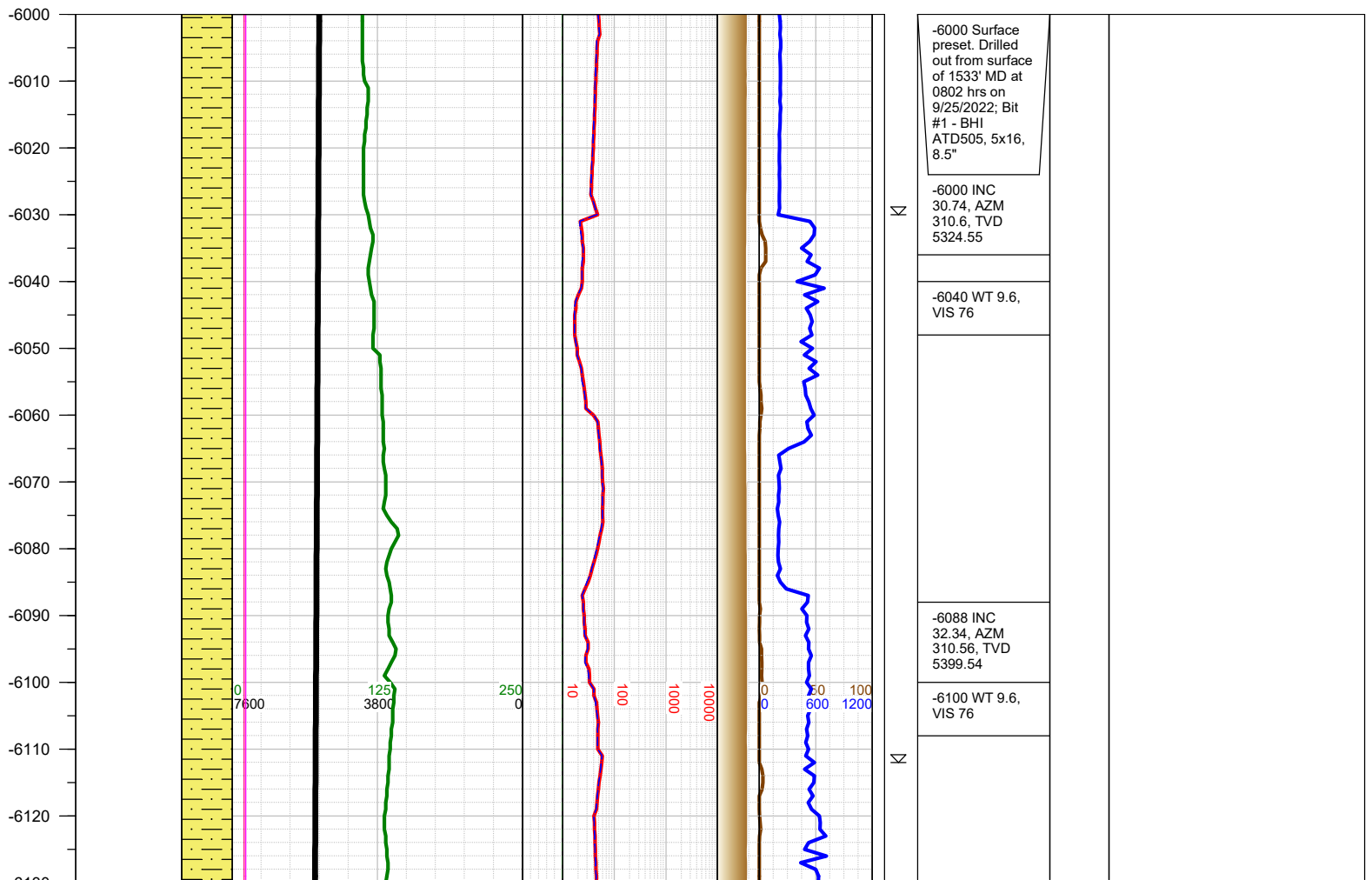
COUNTY: Weld
 STATE: Colorado
 GROUND ELEVATION: 4923'
 KELLY BUSHING: 4939'
 DRILLING FLUID: OBM
 TVD VS. MD: 7231' / 18320'
 LOGGING START DATE: September 25, 2022
 TD DATE: September 28, 2022
 DEPTHS LOGGED: 6000' - 18320'
 DATES LOGGED: September 25, 2022 - September 28, 2022
 GEOLOGISTS: Tim Makee, Dominic Pitre
 SCALE: 5" = 100'

LEGEND

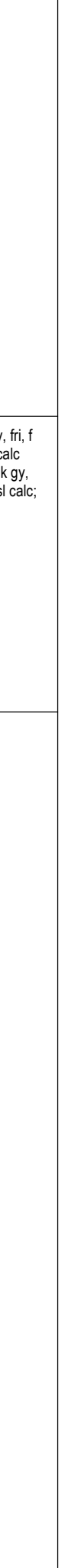
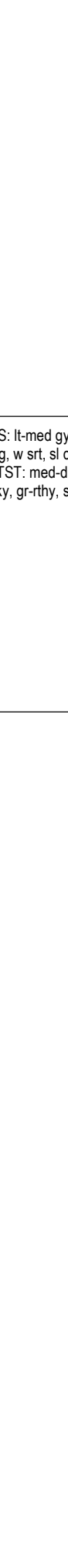
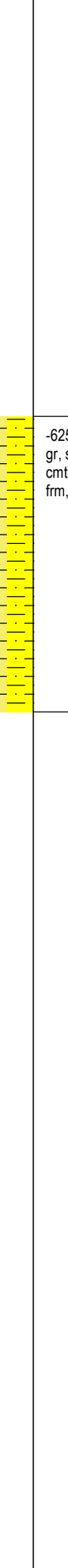
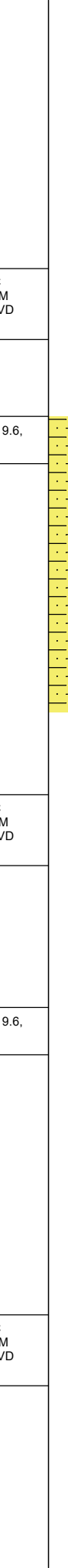
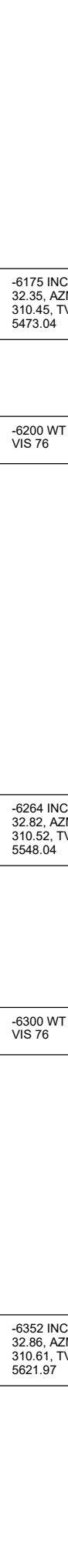
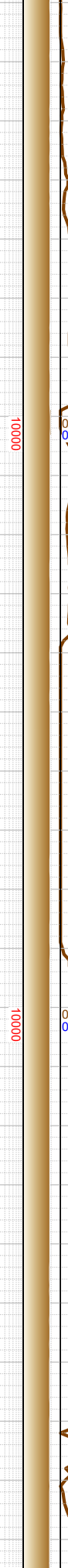
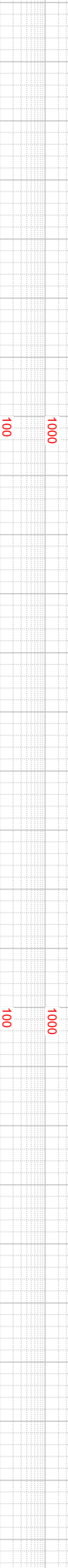
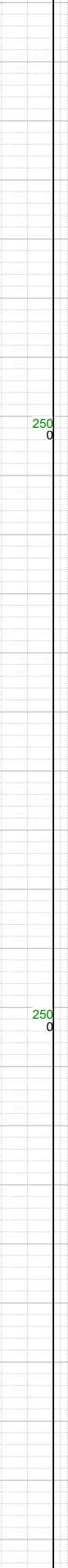
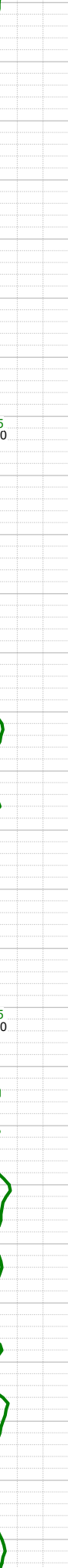
	CHALK		CALC SHALE
	LIMESTONE		SILTY SHALE
	SHALY LIMESTONE		SHALY SILTSTONE
	MARLSTONE		SHALY SANDSTONE
	CALCAREOUS SHALE		SANDSTONE
	DOLOMITE		ANHYDRITE

◀ 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 1200	COMMENTS	CUTTINGS %	SAMPLE DESCRIPTION
			Target Top / Base								
			TVD ft 7600	0	F < B	— Total					
			GAMMA api 0	250		- C1					
						- C2					
						- C3					
						- C4					



-6130
-6140
-6150
-6160
-6170
-6180
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-6230
-6240
-6250
-6260
-6270
-6280
-6290
-6300
-6310
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-6330
-6340
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-6360
-6370
-6380
-6390



-6175 INC
32.35, AZM
310.45, TVD
5473.04

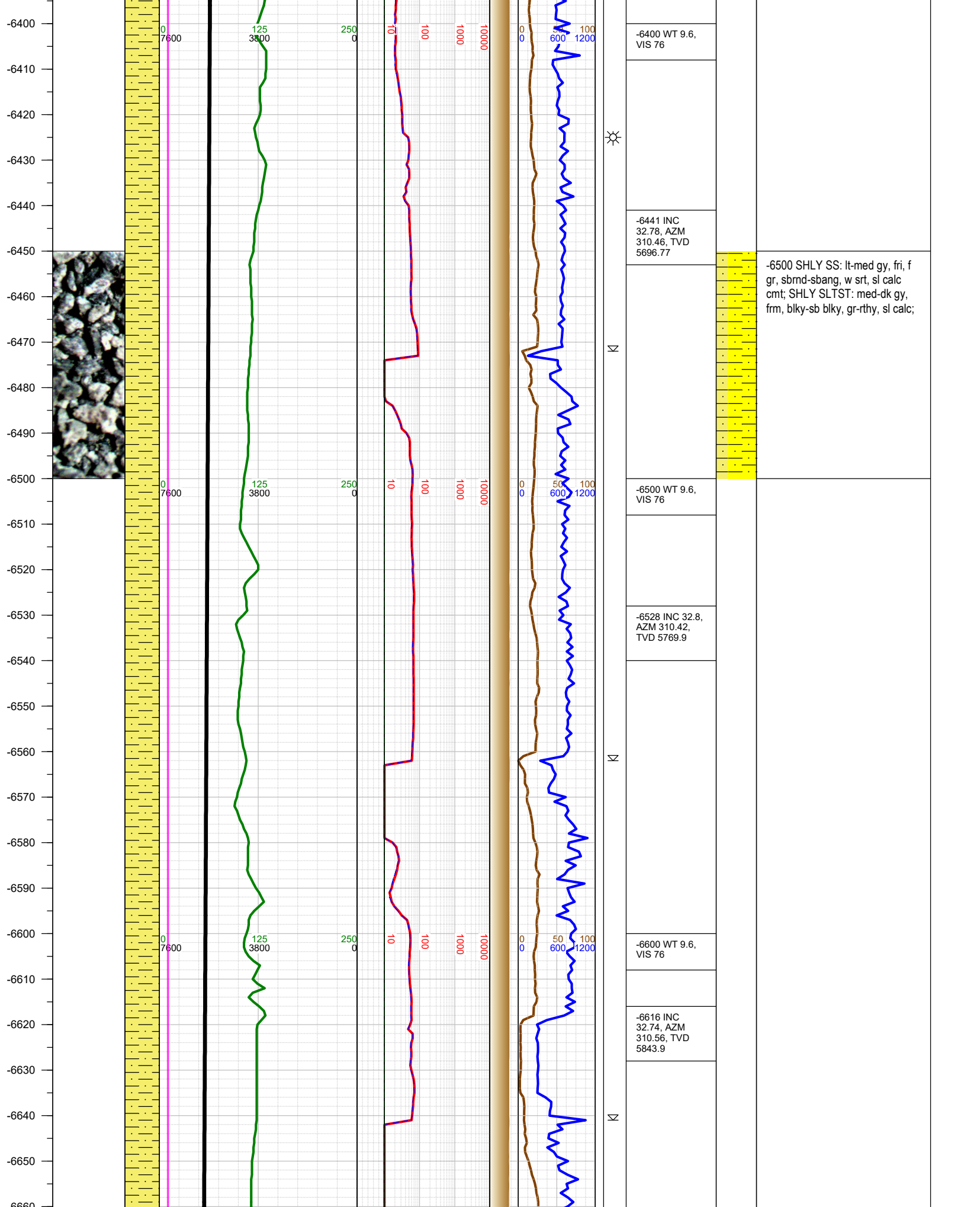
-6200 WT 9.6,
VIS 76

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

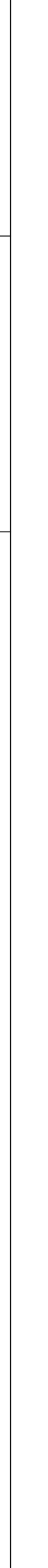
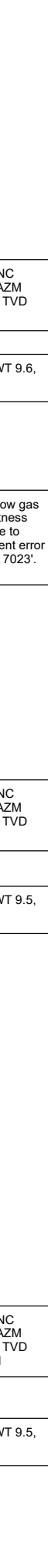
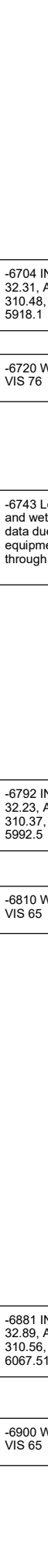
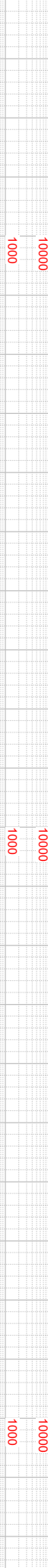
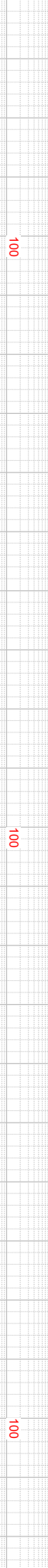
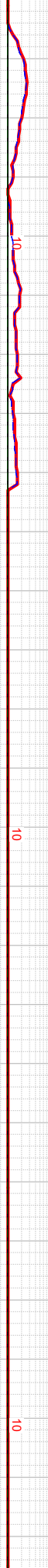
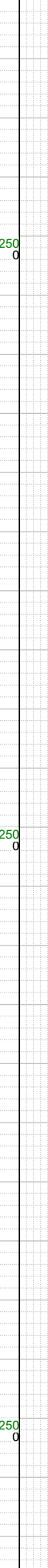
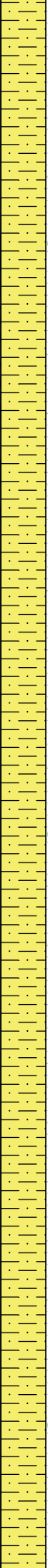
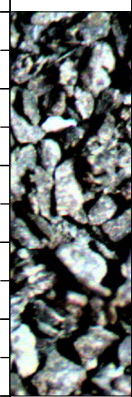
-6264 INC
32.82, AZM
310.52, TVD
5548.04

-6300 WT 9.6,
VIS 76

-6352 INC
32.86, AZM
310.61, TVD
5621.97



-6670
-6680
-6690
-6700
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-6900
-6910
-6920



-6704 INC
32.31, AZM
310.48, TVD
5918.1

-6720 WT 9.6,
VIS 76

-6743 Low gas
and wetness
data due to
equipment error
through 7023'.

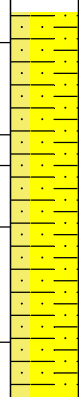
-6792 INC
32.23, AZM
310.37, TVD
5992.5

-6810 WT 9.5,
VIS 65

-6881 INC
32.89, AZM
310.56, TVD
6067.51

-6900 WT 9.5,
VIS 65

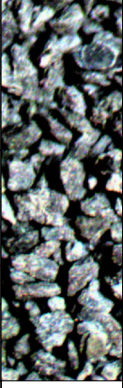
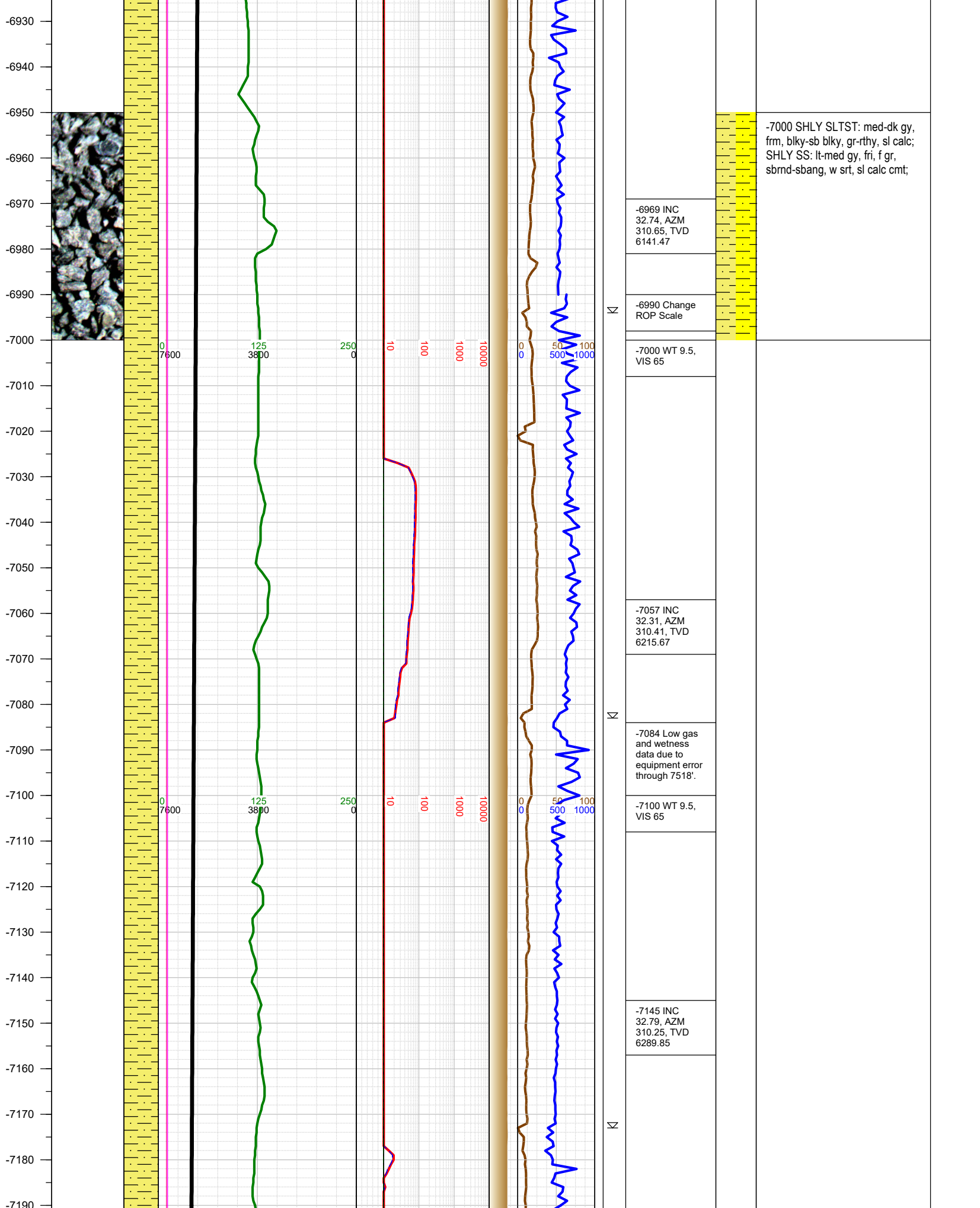
-6750 SHLY SS: lt-med gy, fri, f
gr, sbrnd-sbang, w srt, sl calc
cmt; SHLY SLTST: med-dk gy,
frm, blkly-sb blkly, gr-rthy, sl calc;



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-7000 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;

-6969 INC
32.74, AZM
310.65, TVD
6141.47

-6990 Change
ROP Scale

-7000 WT 9.5,
VIS 65

-7057 INC
32.31, AZM
310.41, TVD
6215.67

-7084 Low gas
and wetness
data due to
equipment error
through 7518'.

-7100 WT 9.5,
VIS 65

-7145 INC
32.79, AZM
310.25, TVD
6289.85

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N

N

0
7600

125
3800

250
0

10

100

1000

10000

0
0

50
500

100
1000

0
7600

125
3800

250
0

10

100

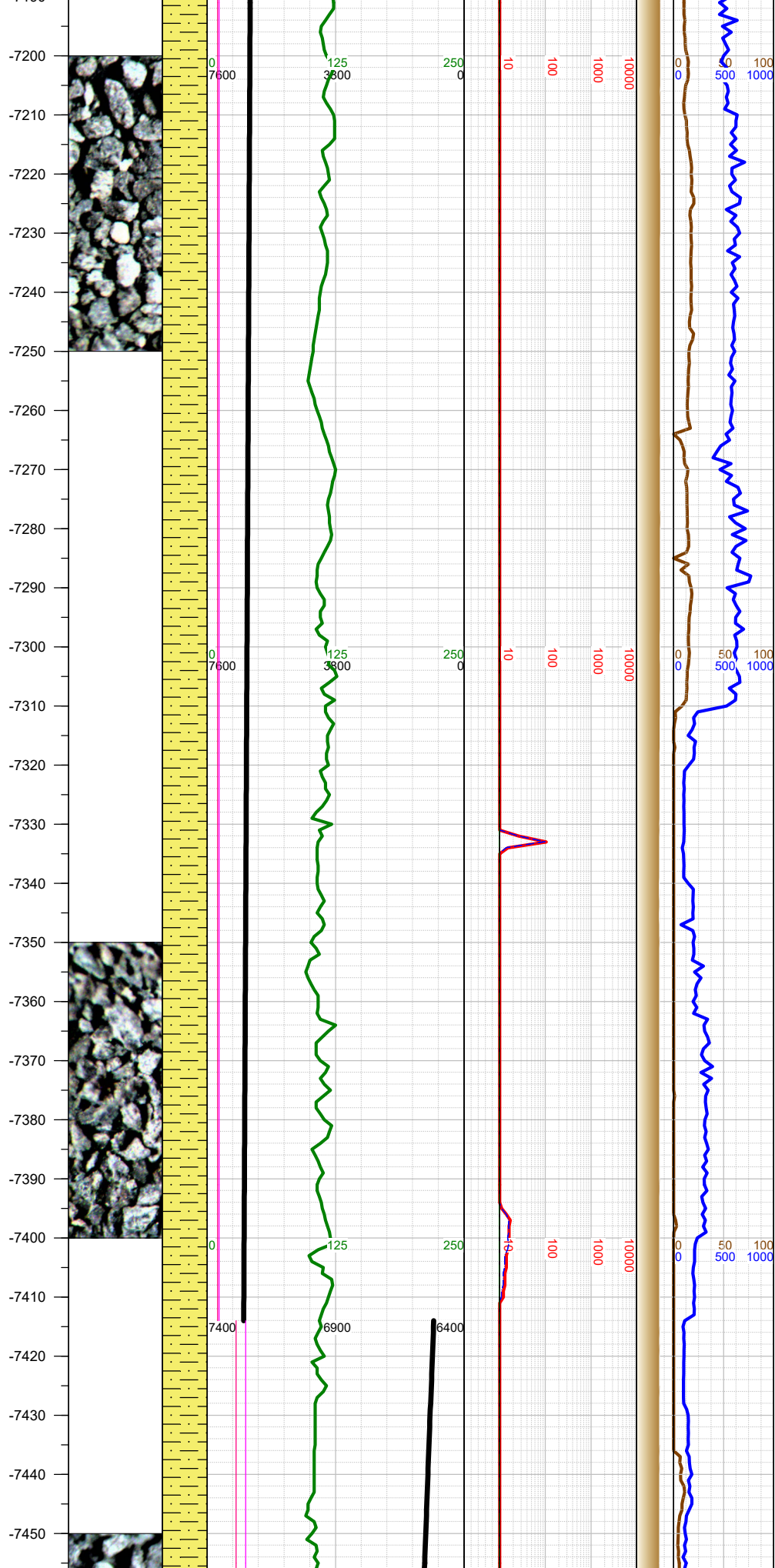
1000

10000

0
0

50
500

100
1000



K

-7200 WT 9.5,
VIS 65

-7234 INC 32.7,
AZM 310.24,
TVD 6364.7



-7250 SHLY SS: lt-med gy, fri, f
gr, sbrnd-sbang, w srt, sl calc
cmt; SHLY SLTST: med-dk gy,
frm, blk-y-sb blk-y, gr-rthy, sl calc;

-7300 WT 9.5,
VIS 65

-7311 0000 hrs
on 9/26/2022

-7323 INC
29.77, AZM
309.5, TVD
6440.79



-7400 SHLY SS: lt-med gy, fri, f
gr, sbrnd-sbang, w srt, sl calc
cmt; SHLY SLTST: med-dk gy,
frm, blk-y-sb blk-y, gr-rthy, sl calc;

-7400 WT 9.5,
VIS 65

-7411 INC
32.59, AZM
310.74, TVD
6516.08

-7414 Reached
KOP of 7414'
MD, 6519' TVD
at 0130 hrs on
9/26/2022 and
immediately
began drilling
the curve.

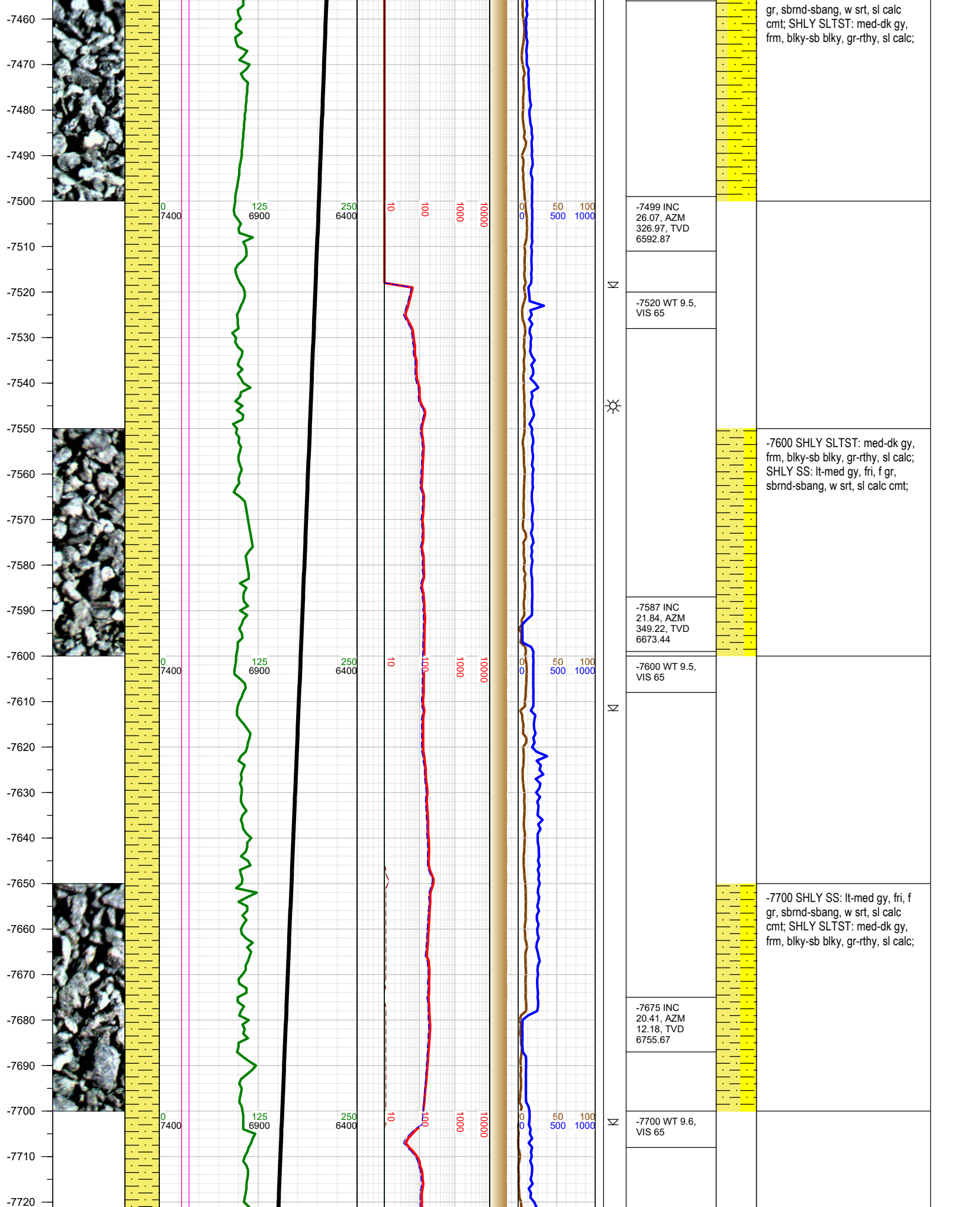


-7500 SHLY SS: lt-med gy, fri, f

-7414 Change
TVD Scale



-7500 SHLY SS: lt-med gy, fri, f



gr, sbrnd-sbang, w srt, sl calc cmt; SHLY SLTST: med-dk gy, frm, blk-sb blk, gr-rthy, sl calc;

-7499 INC
26.07, AZM
326.97, TVD
6592.87

-7520 WT 9.5,
VIS 65

-7600 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;

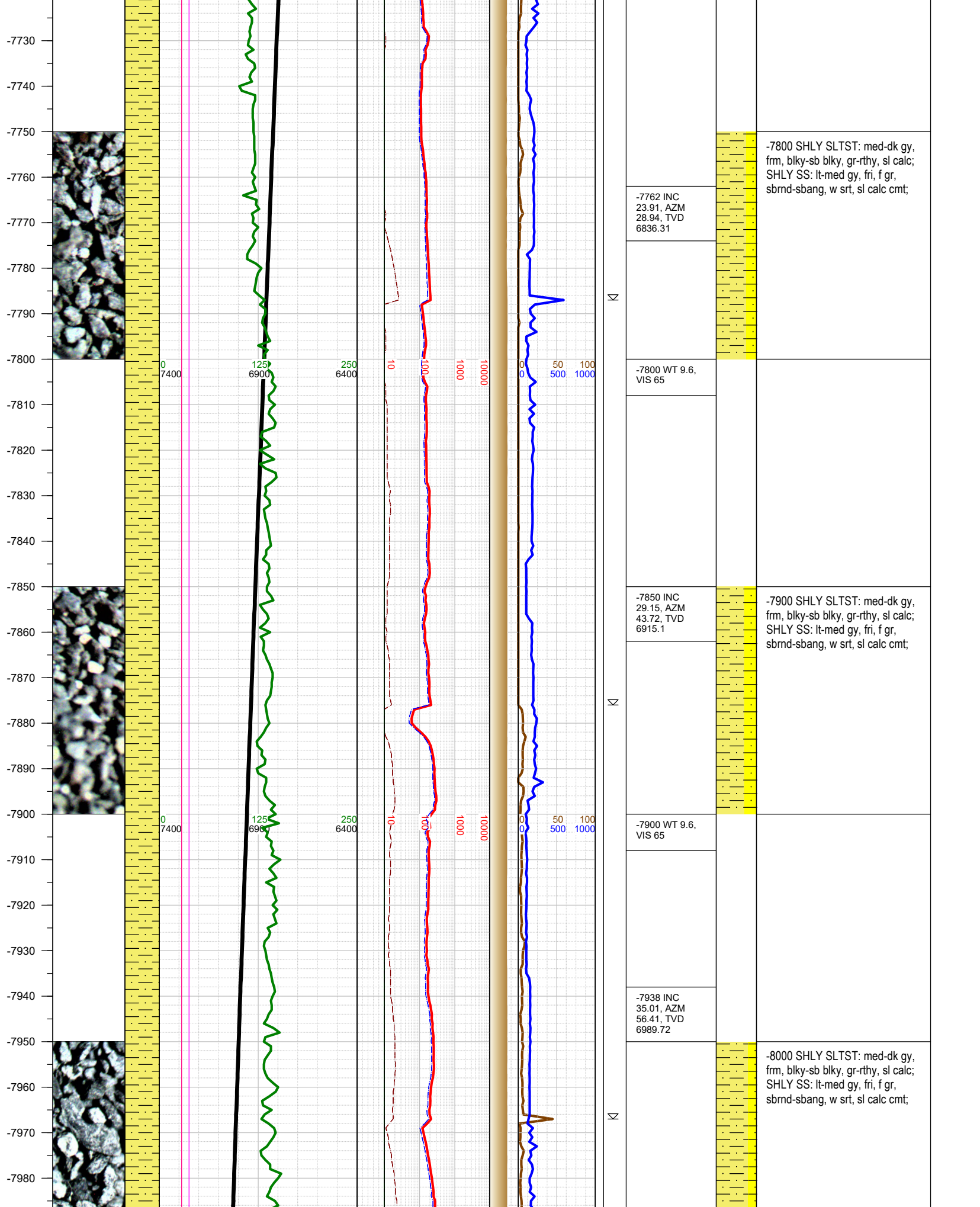
-7587 INC
21.84, AZM
349.22, TVD
6673.44

-7600 WT 9.5,
VIS 65

-7700 SHLY SS: lt-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt; SHLY SLTST: med-dk gy, frm, blk-sb blk, gr-rthy, sl calc;

-7675 INC
20.41, AZM
12.18, TVD
6755.67

-7700 WT 9.6,
VIS 65



-7800 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;

-7762 INC
23.91, AZM
28.94, TVD
6836.31

-7800 WT 9.6,
VIS 65

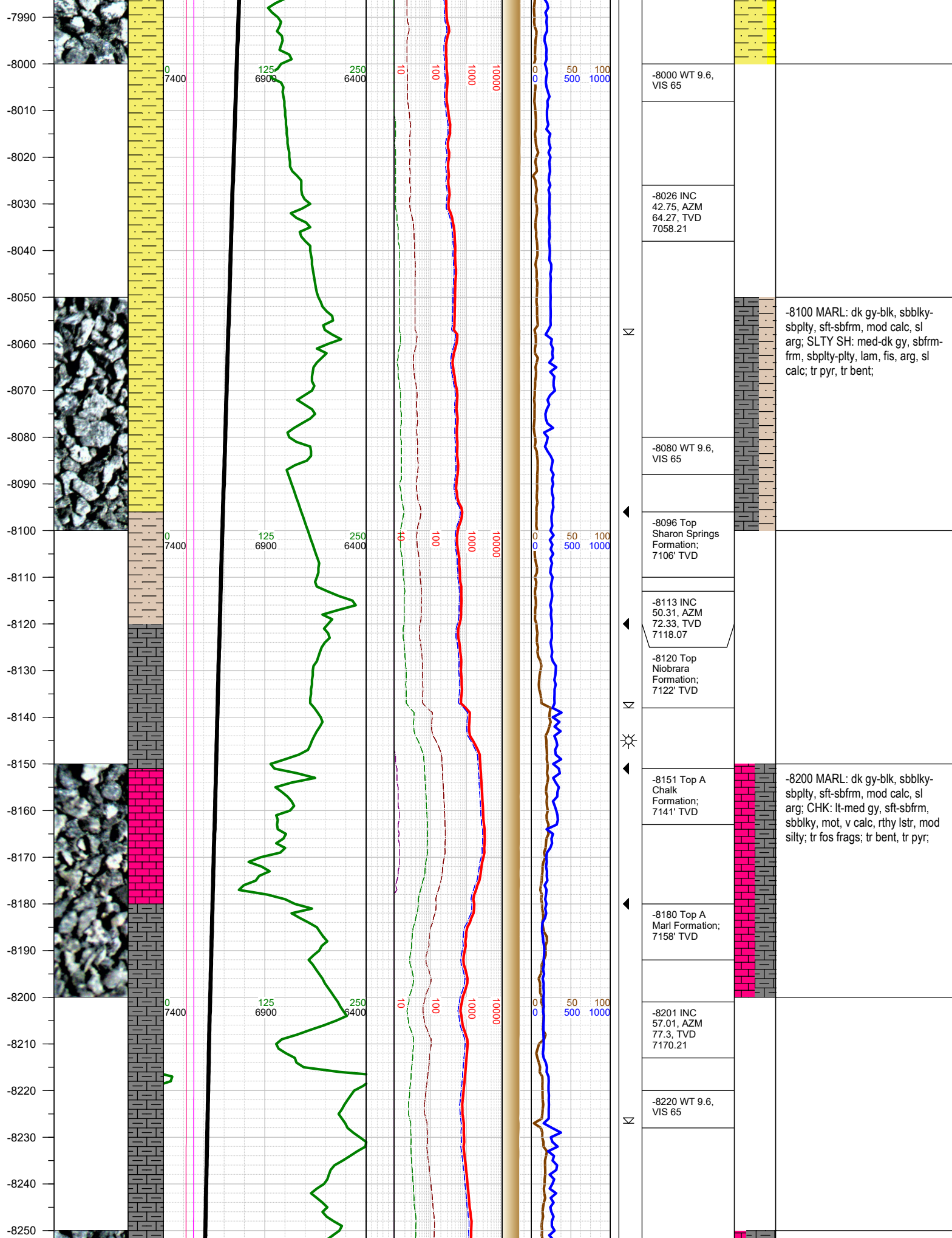
-7900 SHLY SLTST: med-dk gy, frm, blk-y-sb blk-y, gr-rthy, sl calc; SHLY SS: lt-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt;

-7850 INC
29.15, AZM
43.72, TVD
6915.1

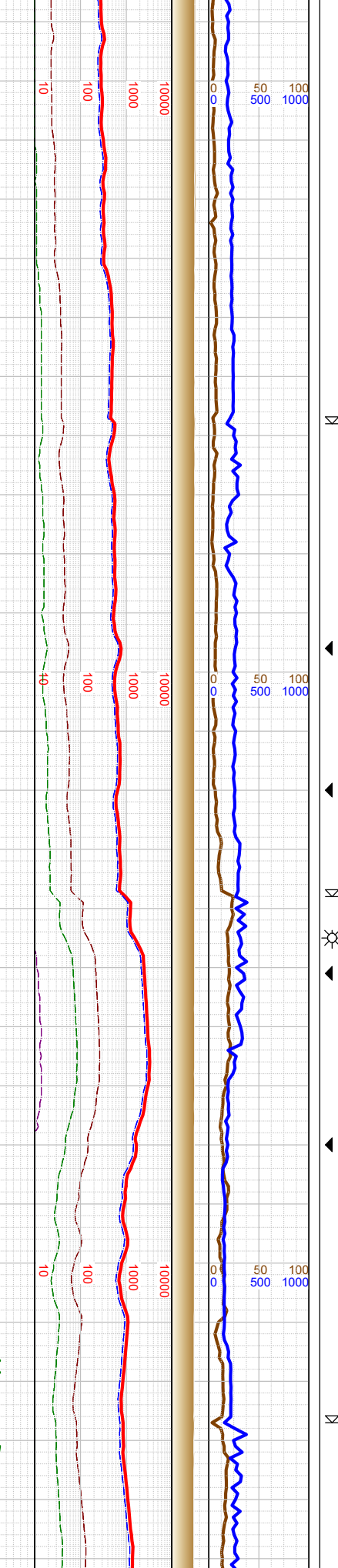
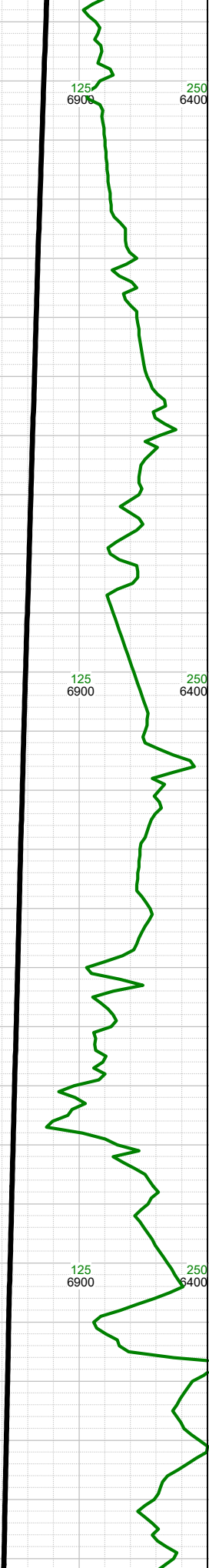
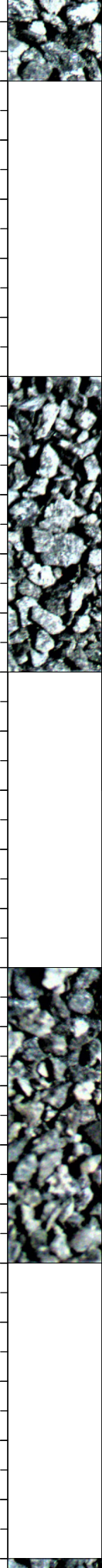
-7900 WT 9.6,
VIS 65

-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;

-7938 INC
35.01, AZM
56.41, TVD
6989.72



-7990
-8000
-8010
-8020
-8030
-8040
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-8060
-8070
-8080
-8090
-8100
-8110
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-8180
-8190
-8200
-8210
-8220
-8230
-8240
-8250



-8000 WT 9.6,
VIS 65

-8026 INC
42.75, AZM
64.27, TVD
7058.21

-8096 Top
Sharon Springs
Formation;
7106' TVD

-8113 INC
50.31, AZM
72.33, TVD
7118.07

-8120 Top
Niobrara
Formation;
7122' TVD

-8151 Top A
Chalk
Formation;
7141' TVD

-8180 Top A
Marl Formation;
7158' TVD

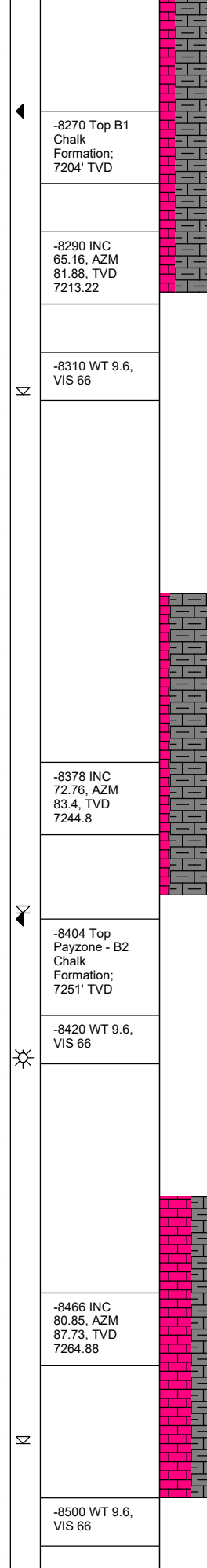
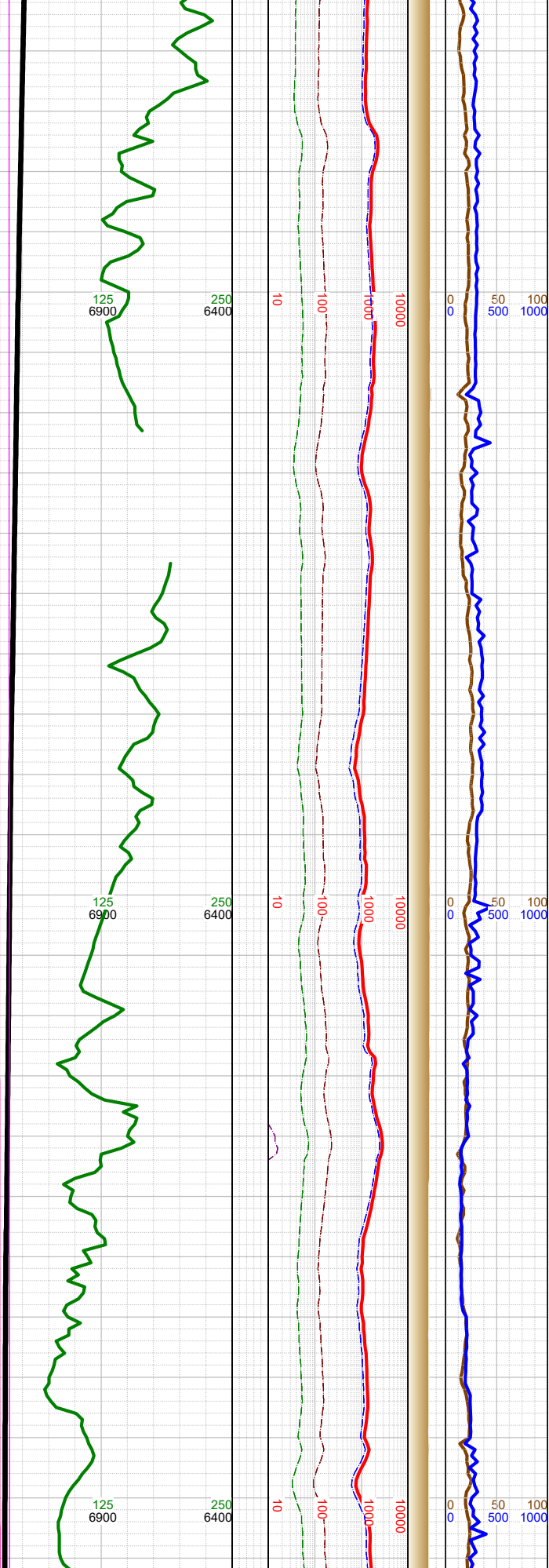
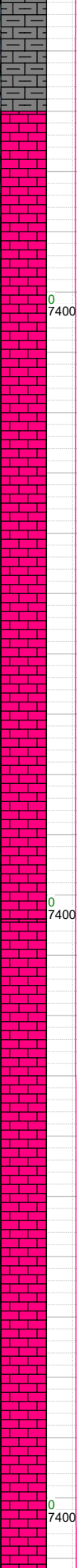
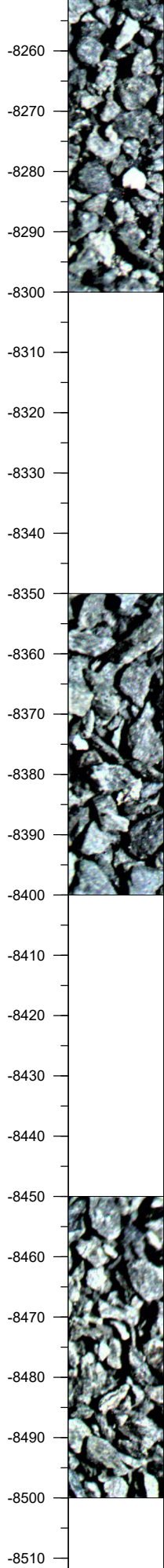
-8201 INC
57.01, AZM
77.3, TVD
7170.21

-8220 WT 9.6,
VIS 65



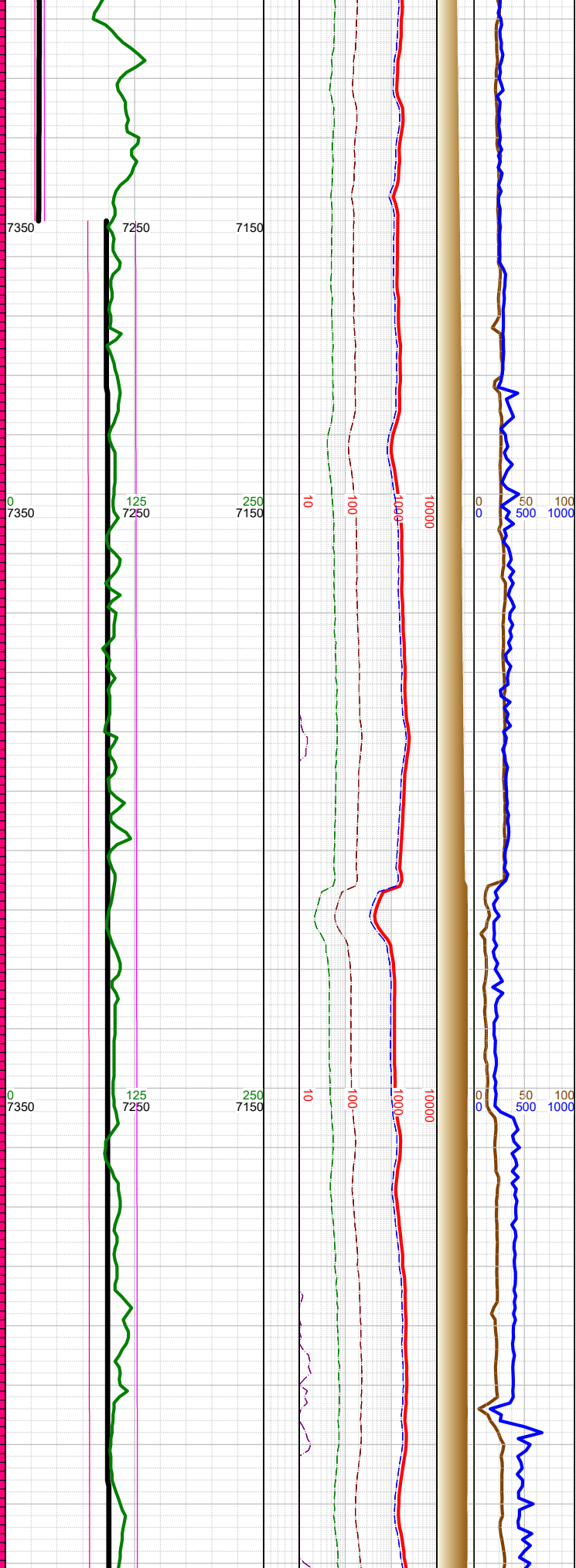
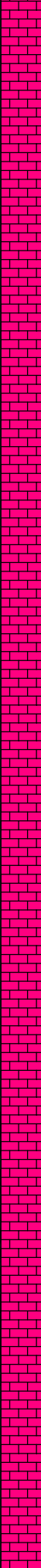
-8100 MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; SLTY SH: med-dk gy, sbfrm, sbply-pty, lam, fis, arg, sl calc; tr pyr, tr bent;

-8200 MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbbkly, mot, v calc, rthy lstr, mod silty; tr fos frags; tr bent, tr pyr;



-8270 Top B1 Chalk Formation; 7204' TVD	-8300 MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbbly, mot, v calc, rthy lstr, mod silty; tr fos frags; tr bent, tr pyr;
-8290 INC 65.16, AZM 81.88, TVD 7213.22	
-8310 WT 9.6, VIS 66	
-8378 INC 72.76, AZM 83.4, TVD 7244.8	-8400 MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbbly, mot, v calc, rthy lstr, mod silty; tr pyr;
-8404 Top Payzone - B2 Chalk Formation; 7251' TVD	
-8420 WT 9.6, VIS 66	
-8466 INC 80.85, AZM 87.73, TVD 7264.88	-8500 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr pyr; tr bent; tr forams; tr fos frags;
-8500 WT 9.6, VIS 66	

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-8720
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-8780



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-8554 Reached LP of 8554' MD, 7272' TVD at 1018 hrs on 9/26/2022 and immediately began drilling the lateral.
-8554 Change TVD Scale

-8554 INC
90.31, AZM
90.91, TVD
7271.65

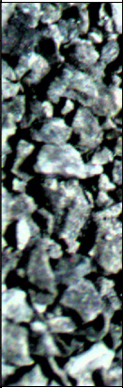
-8600 WT 9.6,
VIS 66

-8642 INC
90.31, AZM
90.68, TVD
7271.18

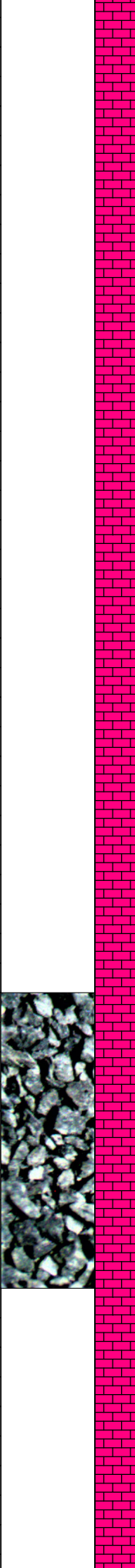
-8700 WT 9.6,
VIS 66

-8750 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr pyr; tr forams; tr fos frags;

-8730 INC
90.28, AZM
91.55, TVD
7270.72



-8790
-8800
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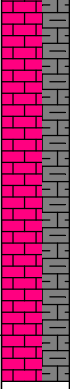
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-8800 WT 9.6,
VIS 66

-8817 INC
90.43, AZM
91.52, TVD
7270.18

-8905 INC
90.34, AZM
91.54, TVD
7269.59

-8920 WT 9.6,
VIS 66

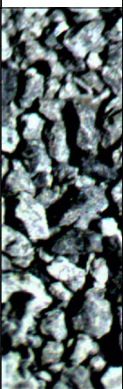
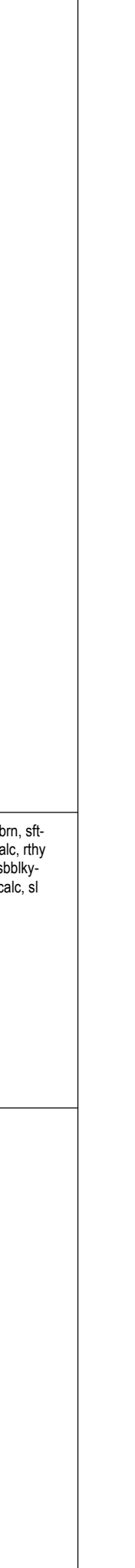
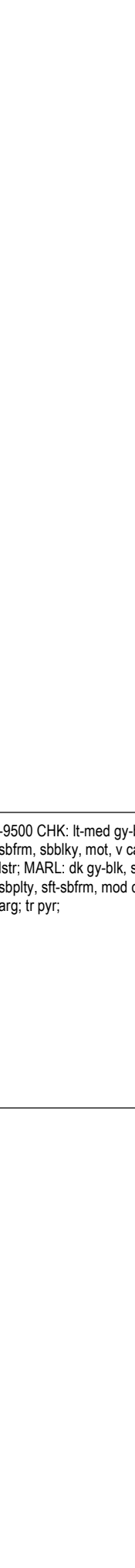
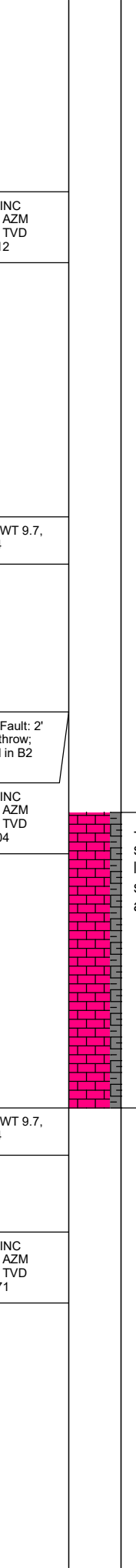
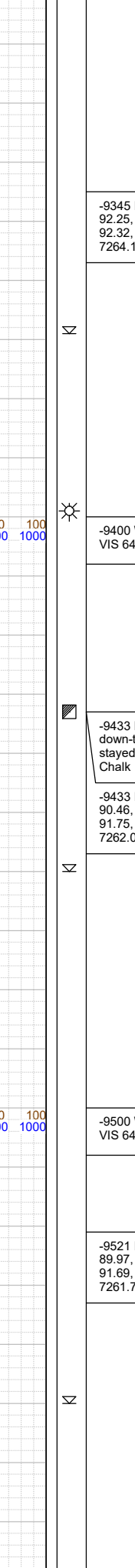
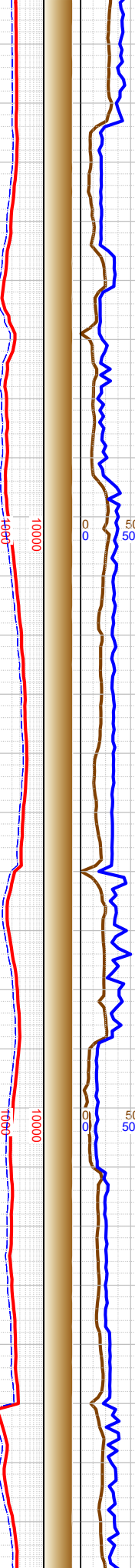
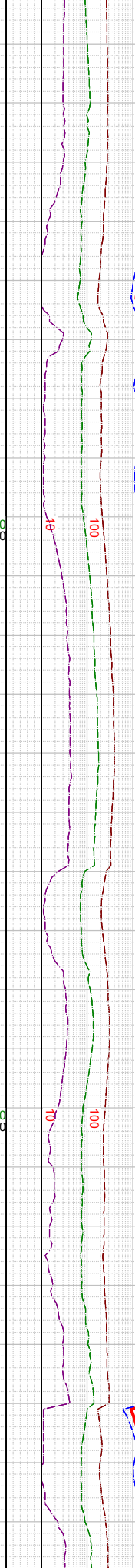
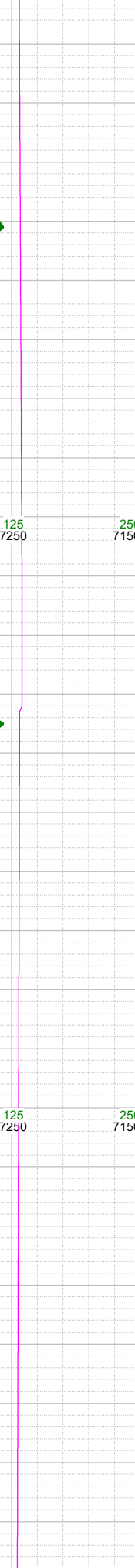
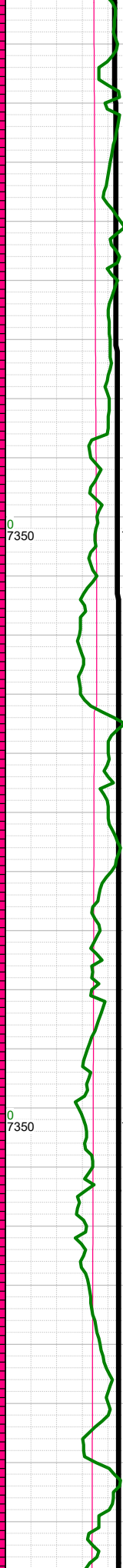
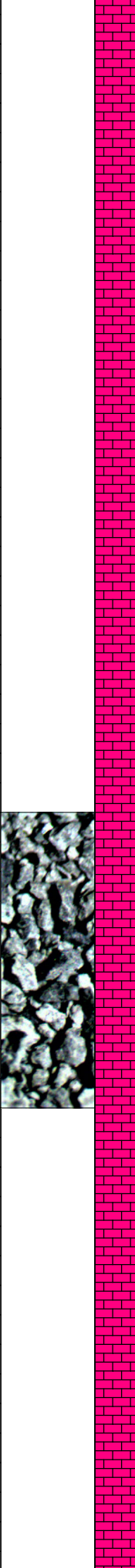


-9000 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr pyr; tr forams; tr fos frags;

-8994 INC
90.49, AZM
91.59, TVD
7268.95

-9010 WT 9.6,
VIS 66

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-9345 INC
92.25, AZM
92.32, TVD
7264.12

-9400 WT 9.7,
VIS 64

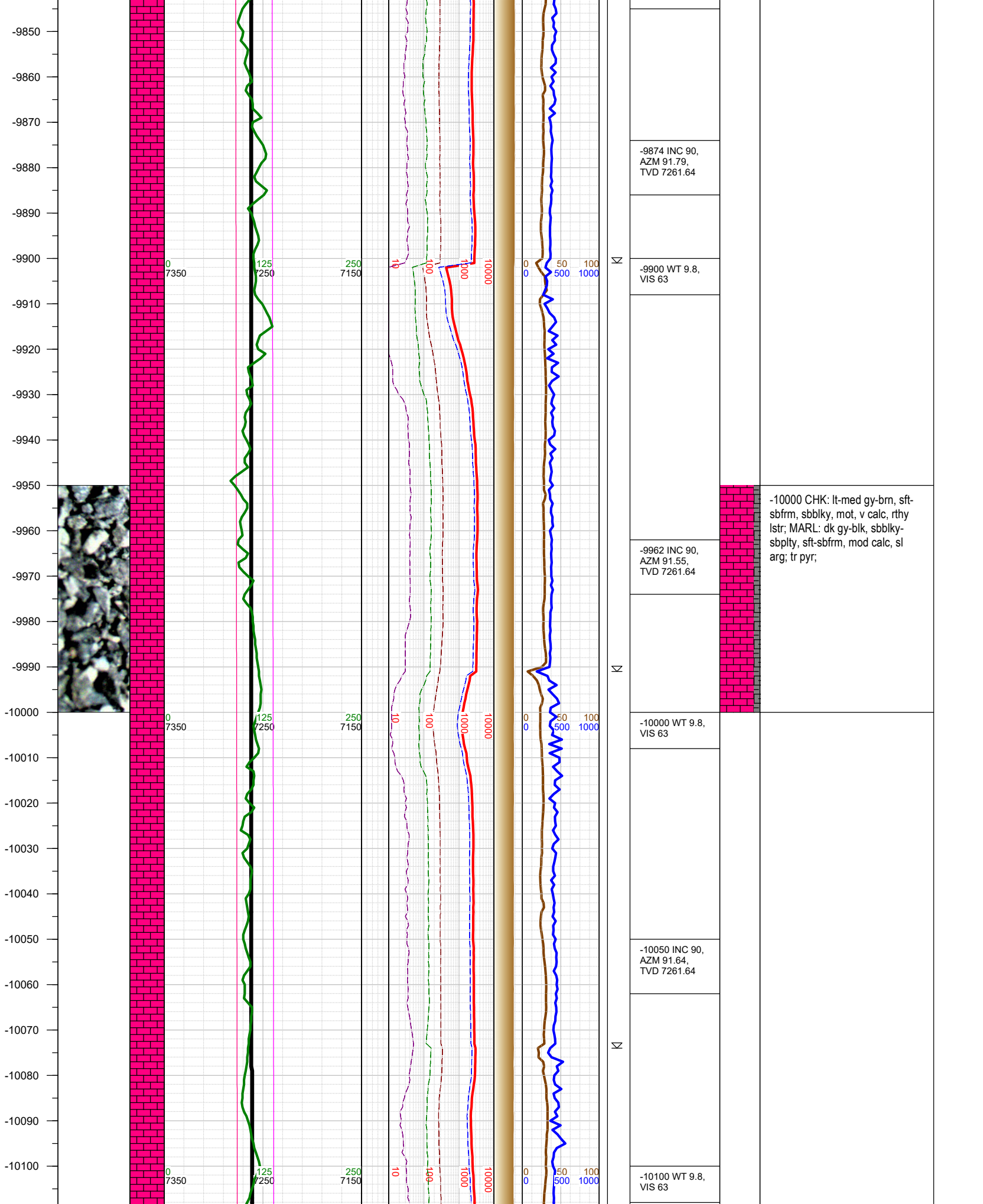
-9433 Fault: 2'
down-throw;
stayed in B2
Chalk

-9433 INC
90.46, AZM
91.75, TVD
7262.04

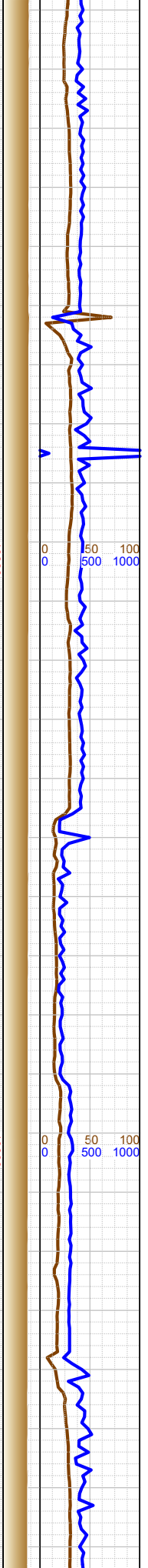
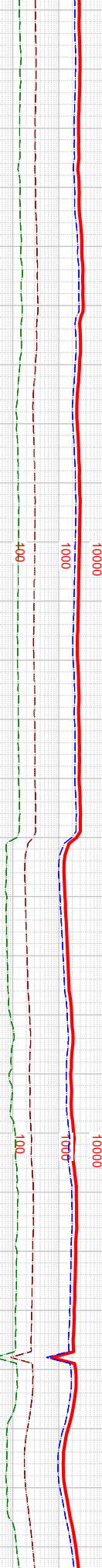
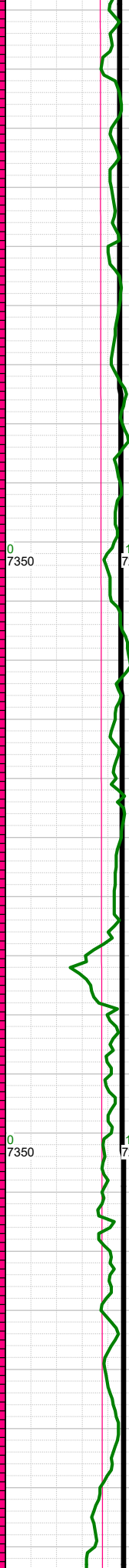
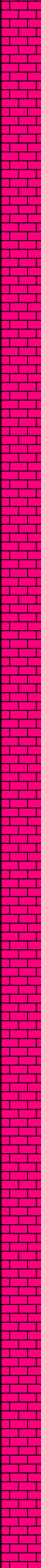
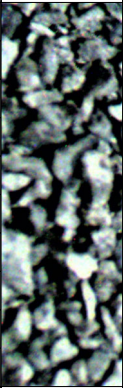
-9500 WT 9.7,
VIS 64

-9521 INC
89.97, AZM
91.69, TVD
7261.71

-9500 CHK: lt-med gy-brn, sft-sbfm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfm, mod calc, sl arg; tr pyr;



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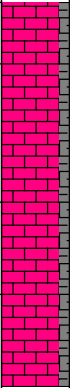
-10138 INC
90.58, AZM
91.65, TVD
7261.2

-10200 WT 9.8,
VIS 63

-10226 INC
91.63, AZM
91.76, TVD
7259.5

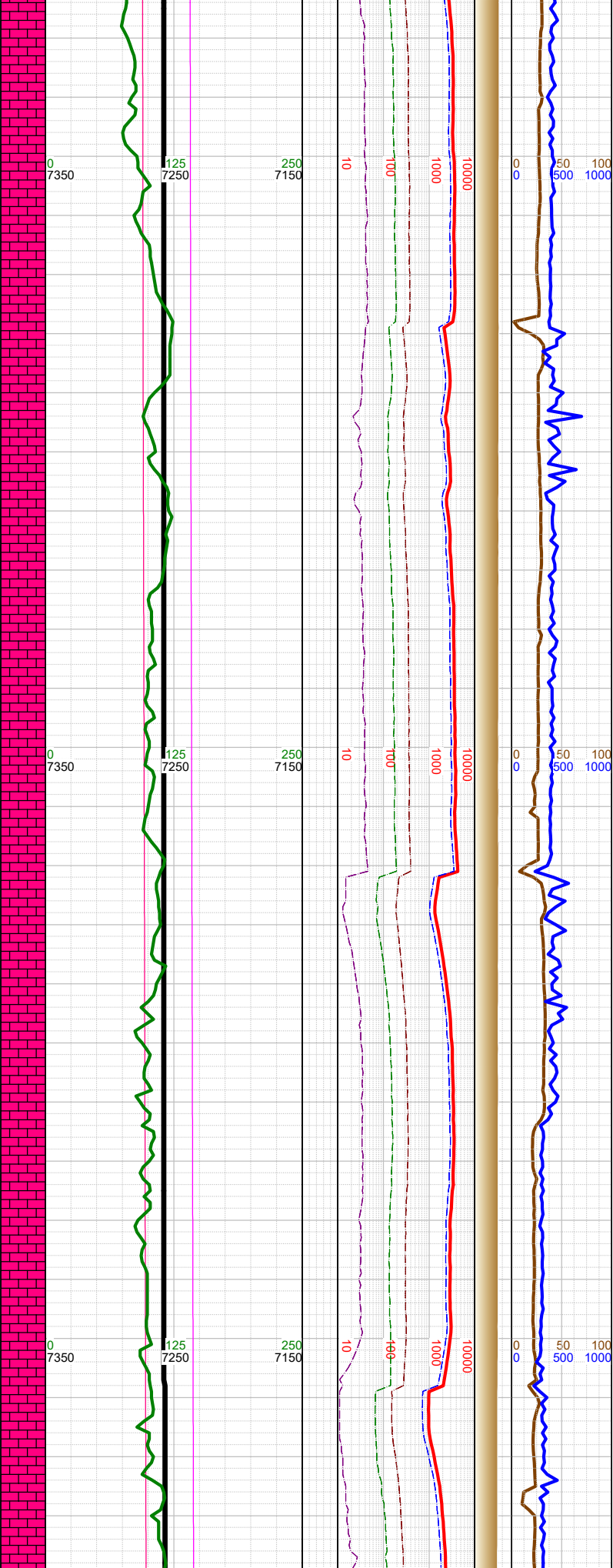
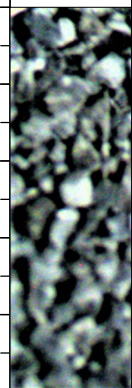
-10300 WT 9.8,
VIS 63

-10315 INC
89.85, AZM
91.66, TVD
7258.35



-10250 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr pyr;

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-10403 INC
90.12, AZM
91.73, TVD
7258.37

-10420 WT 9.8,
VIS 63

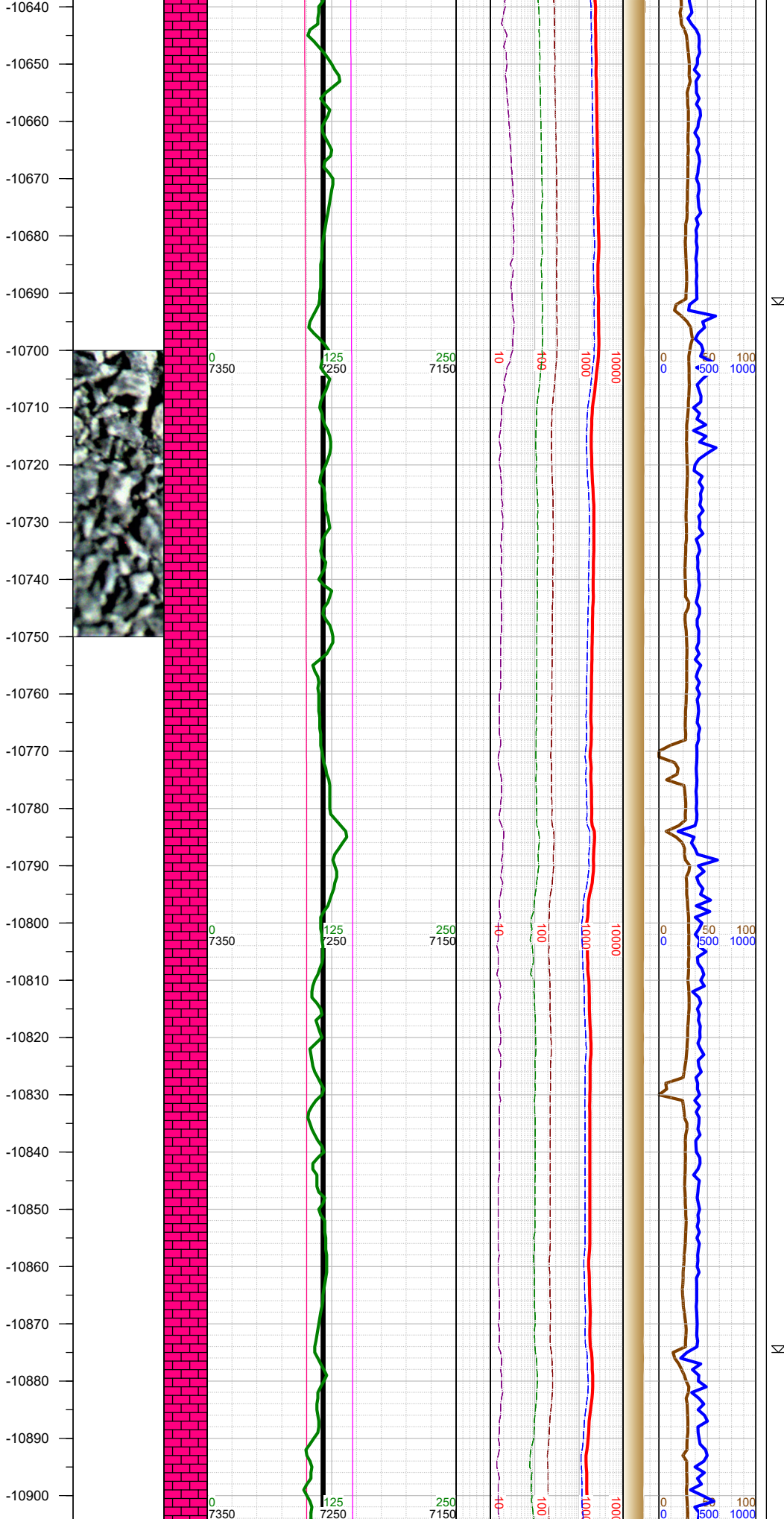
-10500 CHK: lt-med gy-brn, sft-
sbfrm, sbbkly, mot, v calc, rthy
lstr; MARL: dk gy-blk, sbbkly-
sbply, sft-sbfrm, mod calc, sl
arg; tr pyr;

-10491 INC
90.15, AZM
91.74, TVD
7258.17

-10510 WT 9.9,
VIS 64

-10579 INC
90.58, AZM
91.54, TVD
7257.61

-10600 WT 9.9,
VIS 64



-10668 INC
89.85, AZM
91.57, TVD
7257.27

-10700 WT 9.9,
VIS 64

-10755 INC
90.12, AZM
91.89, TVD
7257.29

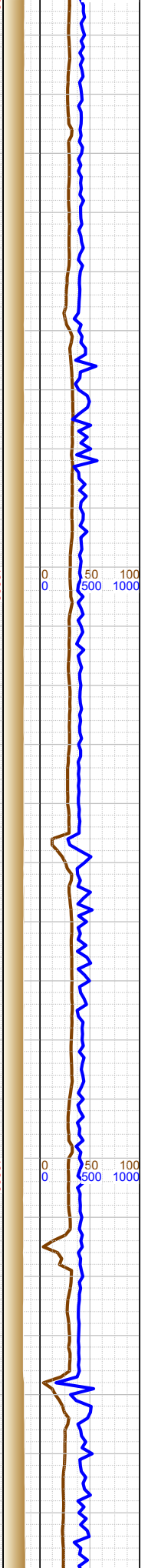
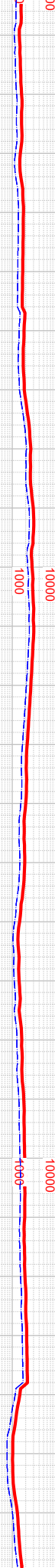
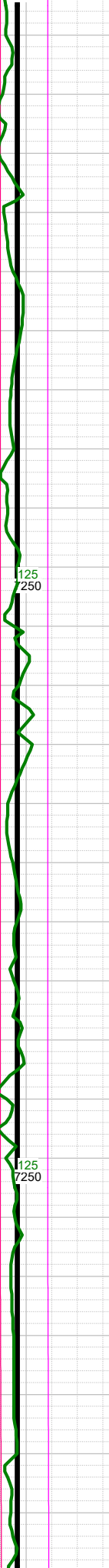
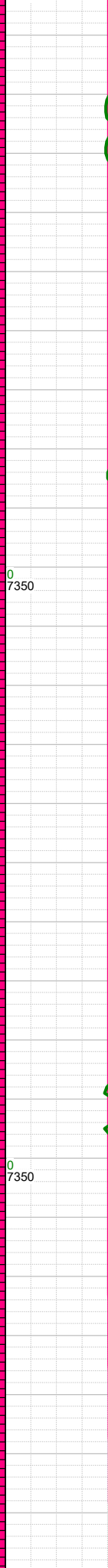
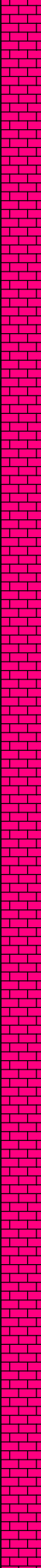
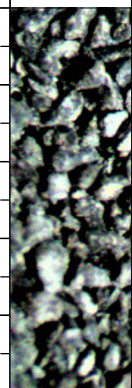
-10800 WT 9.9,
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-10843 INC
90.22, AZM
91.68, TVD
7257.03

-10900 WT 9.9,

-10750 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; tr pyr;

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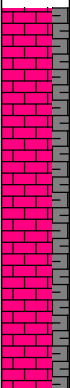
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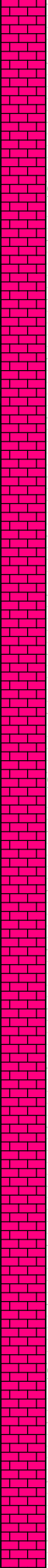
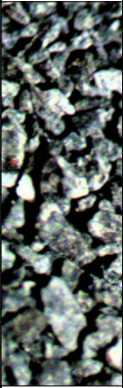
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VIS 65
-10932 INC 90.18, AZM 91.59, TVD 7256.72
-11000 WT 9.9, VIS 65
-11020 INC 89.91, AZM 91.59, TVD 7256.65
-11100 WT 9.9, VIS 65
-11109 INC 89.88, AZM 91.35, TVD 7256.82



-11000 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr pyr;

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-11198 INC
90.06, AZM
91.56, TVD
7256.86

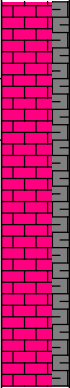
-11210 WT 9.9,
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-11286 INC
90.43, AZM
92.67, TVD
7256.49

-11300 WT 9.9,
VIS 63

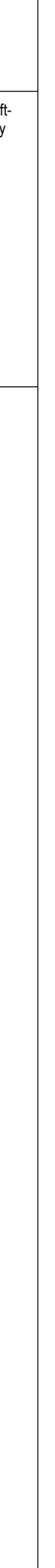
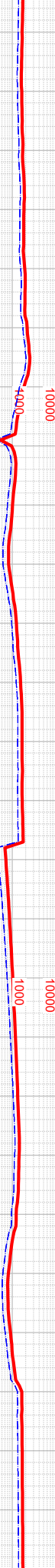
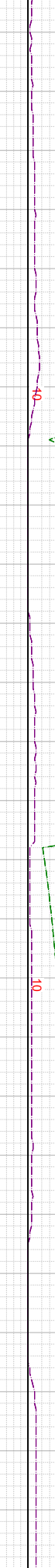
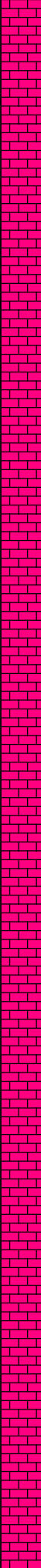
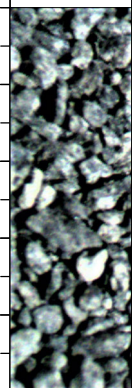
-11375 INC 90,
AZM 92.45,
TVD 7256.15

-11400 WT 9.9,
VIS 63



-11250 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr pyr;

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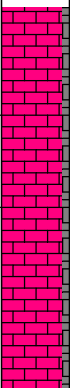
-11464 INC
90.18, AZM
92.67, TVD
7256.01

-11500 WT 9.9,
VIS 63

-11552 INC
89.94, AZM
92.77, TVD
7255.92

-11600 WT 9.9,
VIS 63

-11641 INC
90.06, AZM
92.72, TVD
7255.92



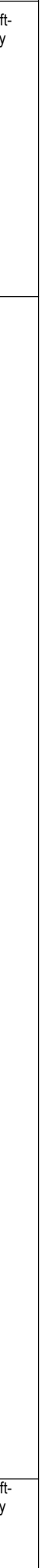
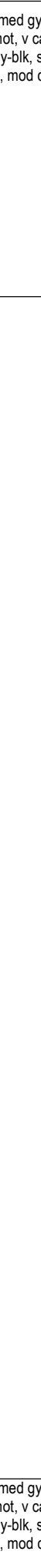
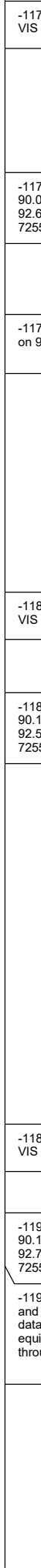
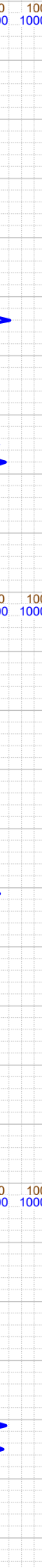
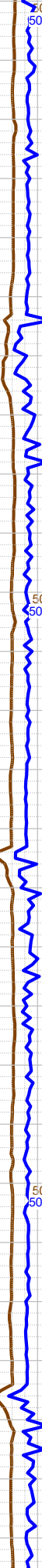
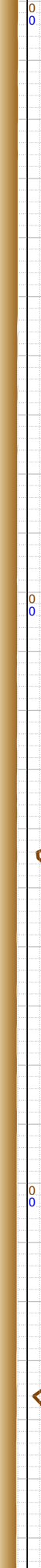
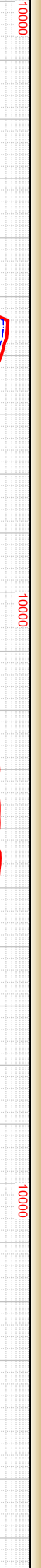
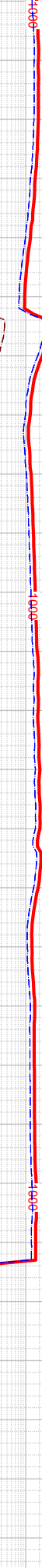
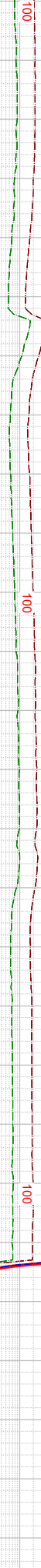
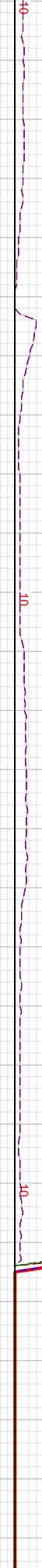
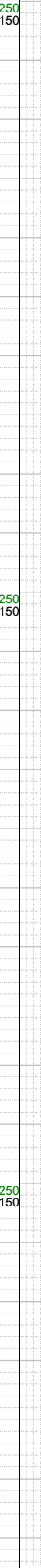
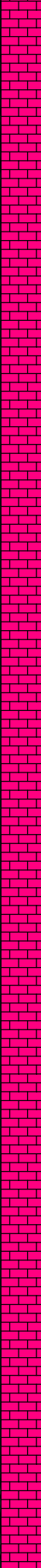
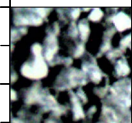
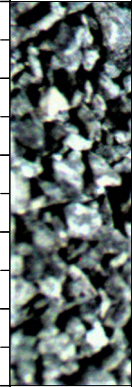
-11500 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr pyr;

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-11700 WT 9.9, VIS 63

-11729 INC 90.03, AZM 92.64, TVD 7255.85

-11753 0000 hrs on 9/27/2022

-11800 WT 9.9, VIS 63

-11817 INC 90.15, AZM 92.58, TVD 7255.71

-11890 WT 9.9, VIS 63

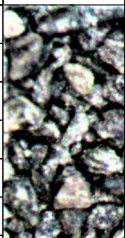
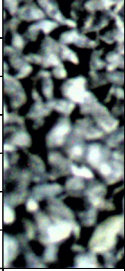
-11905 INC 90.12, AZM 92.73, TVD 7255.51

-11914 No gas and wetness data due to equipment error through 12052'.

-11750 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbpity, sft-sbfrm, mod calc, sl arg; tr pyr;

-12000 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbpity, sft-sbfrm, mod calc, sl

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-11994 INC
90.03, AZM
92.71, TVD
7255.39

-12010 WT 9.9,
VIS 63

-12084 INC
90.22, AZM
92.52, TVD
7255.19

-12100 WT 9.9,
VIS 65

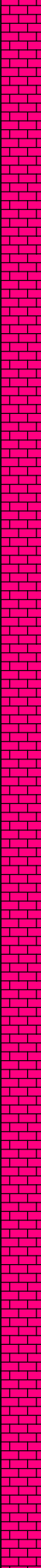
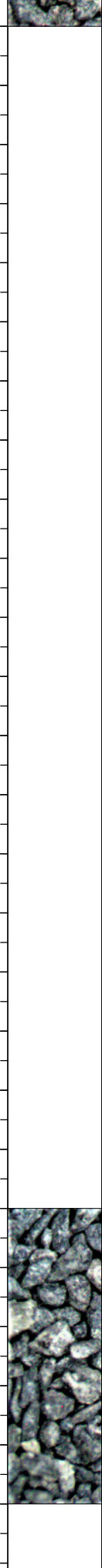
-12173 INC 90,
AZM 92.61,
TVD 7255.02

-12200 WT 9.9,
VIS 65

arg; tr pyr;

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

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-12500 WT 9.9,
VIS 65

-12526 INC
90.28, AZM
91.56, TVD
7254.58

-12600 WT 9.9,
VIS 65

-12613 INC
90.37, AZM
91.84, TVD
7254.08

-12701 INC
90.12, AZM
91.68, TVD
7253.71

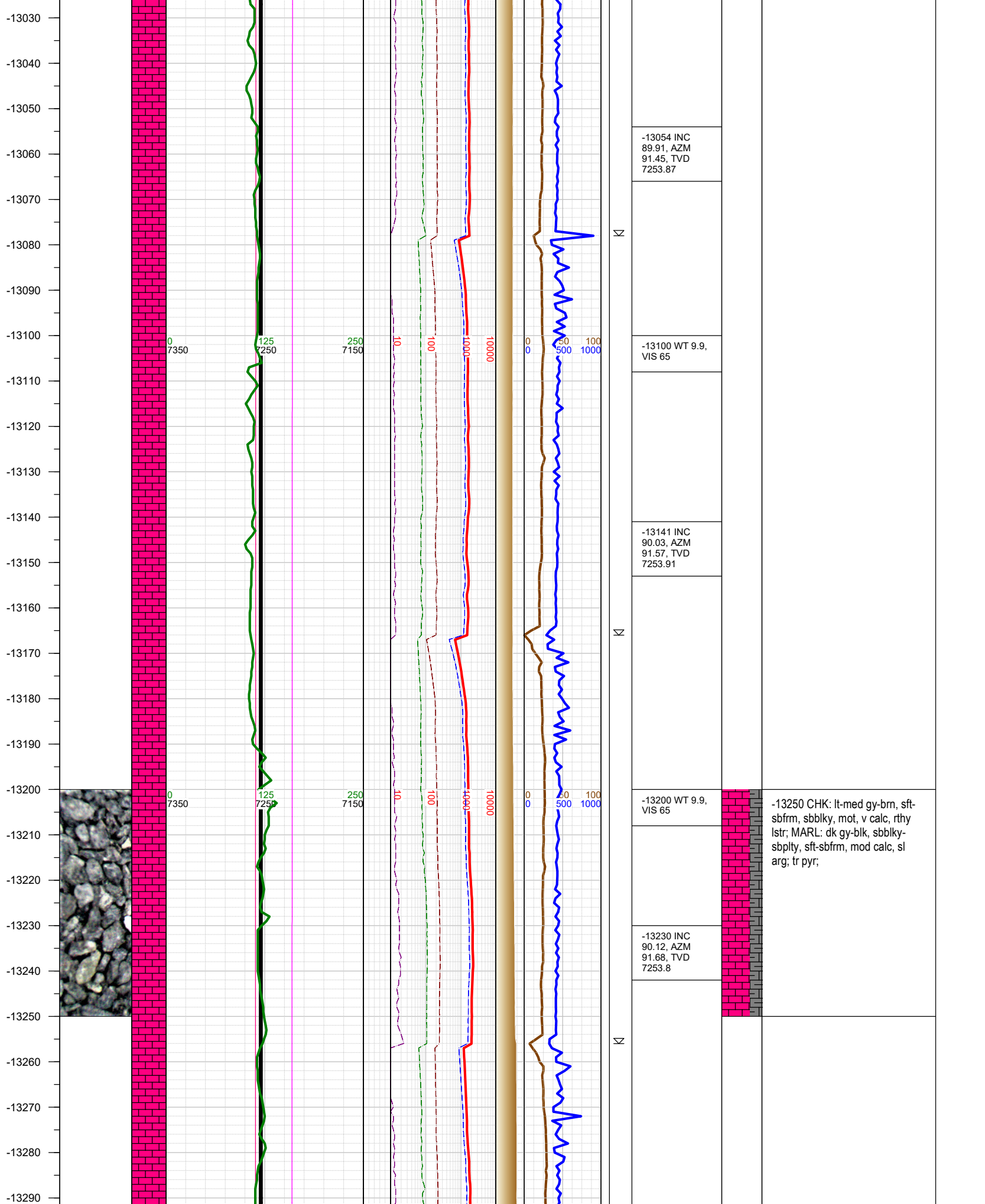
-12720 WT 9.9,
VIS 65

-12750 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr pyr;

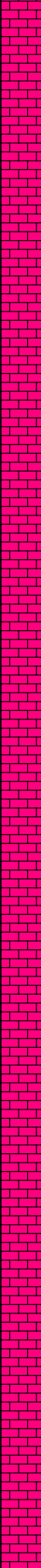
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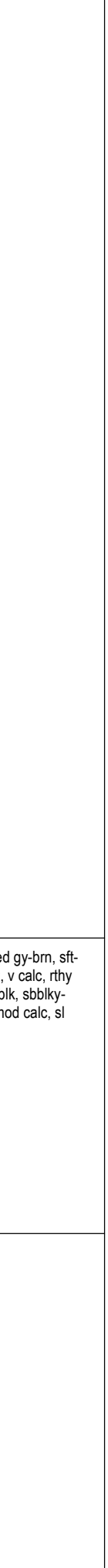
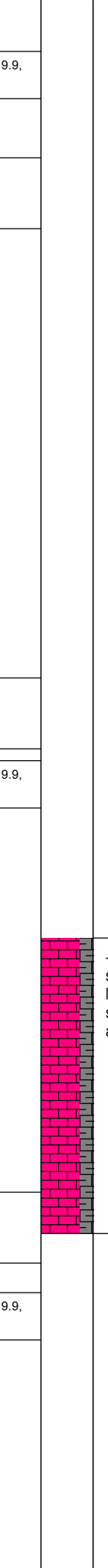
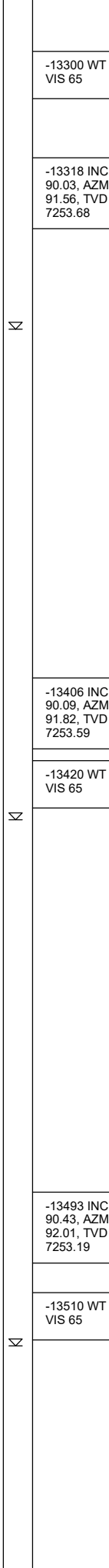
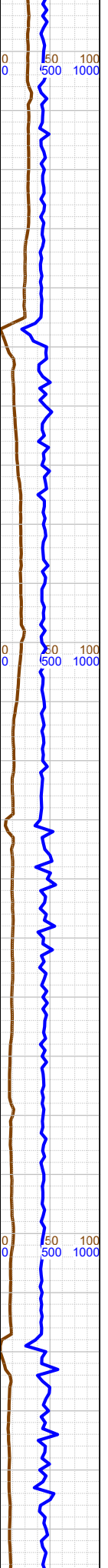
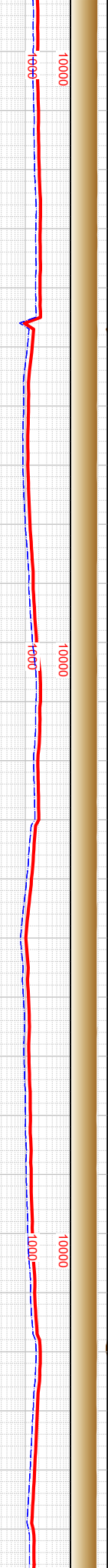
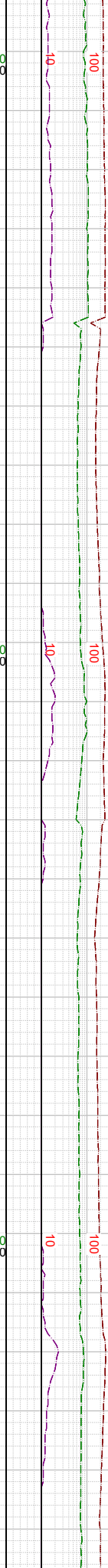
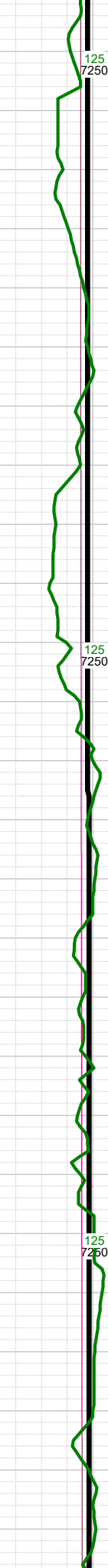
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-13300 WT 9.9,
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-13318 INC
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91.56, TVD
7253.68

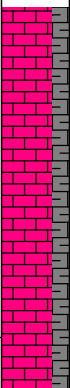
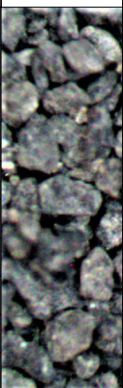
-13406 INC
90.09, AZM
91.82, TVD
7253.59

-13420 WT 9.9,
VIS 65

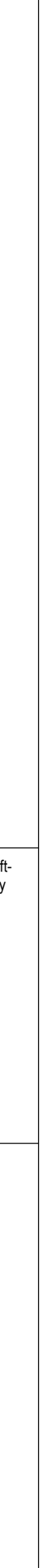
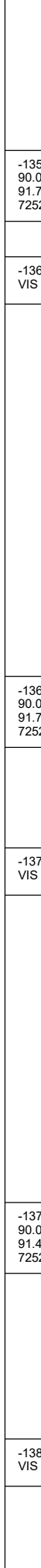
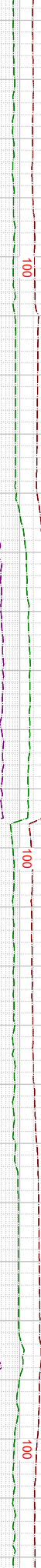
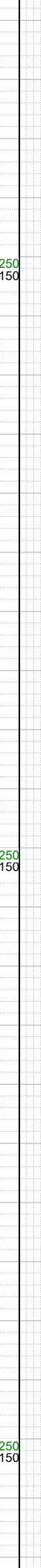
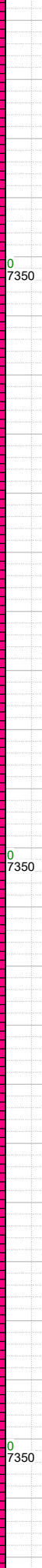
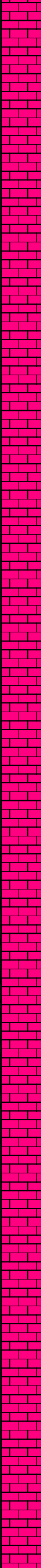
-13500 CHK: lt-med gy-brn, sft-
sbfrm, sbbkly, mot, v calc, rthy
lstr; MARL: dk gy-blk, sbbkly-
sbplty, sft-sbfrm, mod calc, sl
arg; tr pyr;

-13493 INC
90.43, AZM
92.01, TVD
7253.19

-13510 WT 9.9,
VIS 65



-13560
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-13582 INC
90.06, AZM
91.74, TVD
7252.81

-13600 WT 9.9,
VIS 65

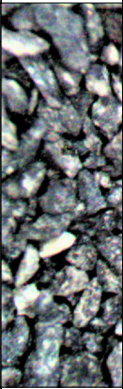
-13671 INC
90.06, AZM
91.74, TVD
7252.72

-13700 WT 9.9,
VIS 65

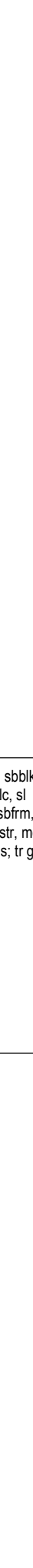
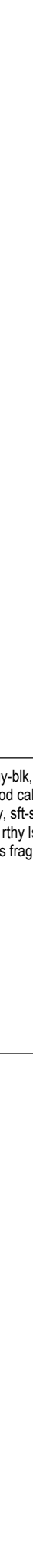
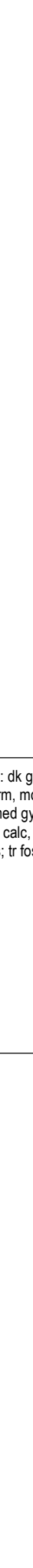
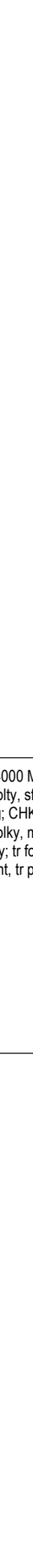
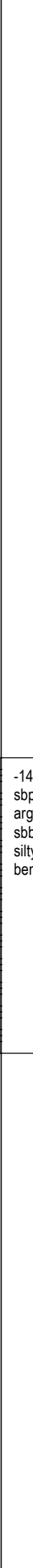
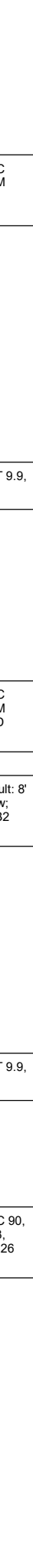
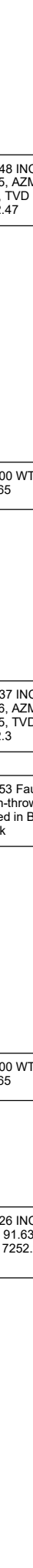
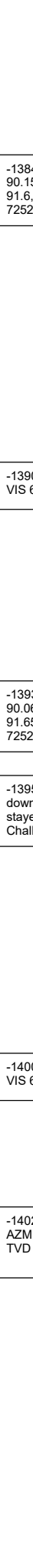
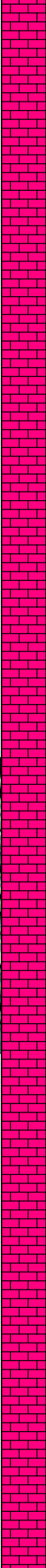
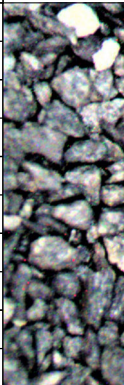
-13750 CHK: lt-med gy-brn, sft-
sbfm, sbbiky, mot, v calc, rthy
lstr; MARL: dk gy-blk, sbbiky-
sbply, sft-sbfm, mod calc, sl
arg; tr pyr;

-13760 INC
90.06, AZM
91.49, TVD
7252.63

-13800 WT 9.9,
VIS 65



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-13848 INC
90.15, AZM
91.6, TVD
7252.47

-13900 WT 9.9,
VIS 65

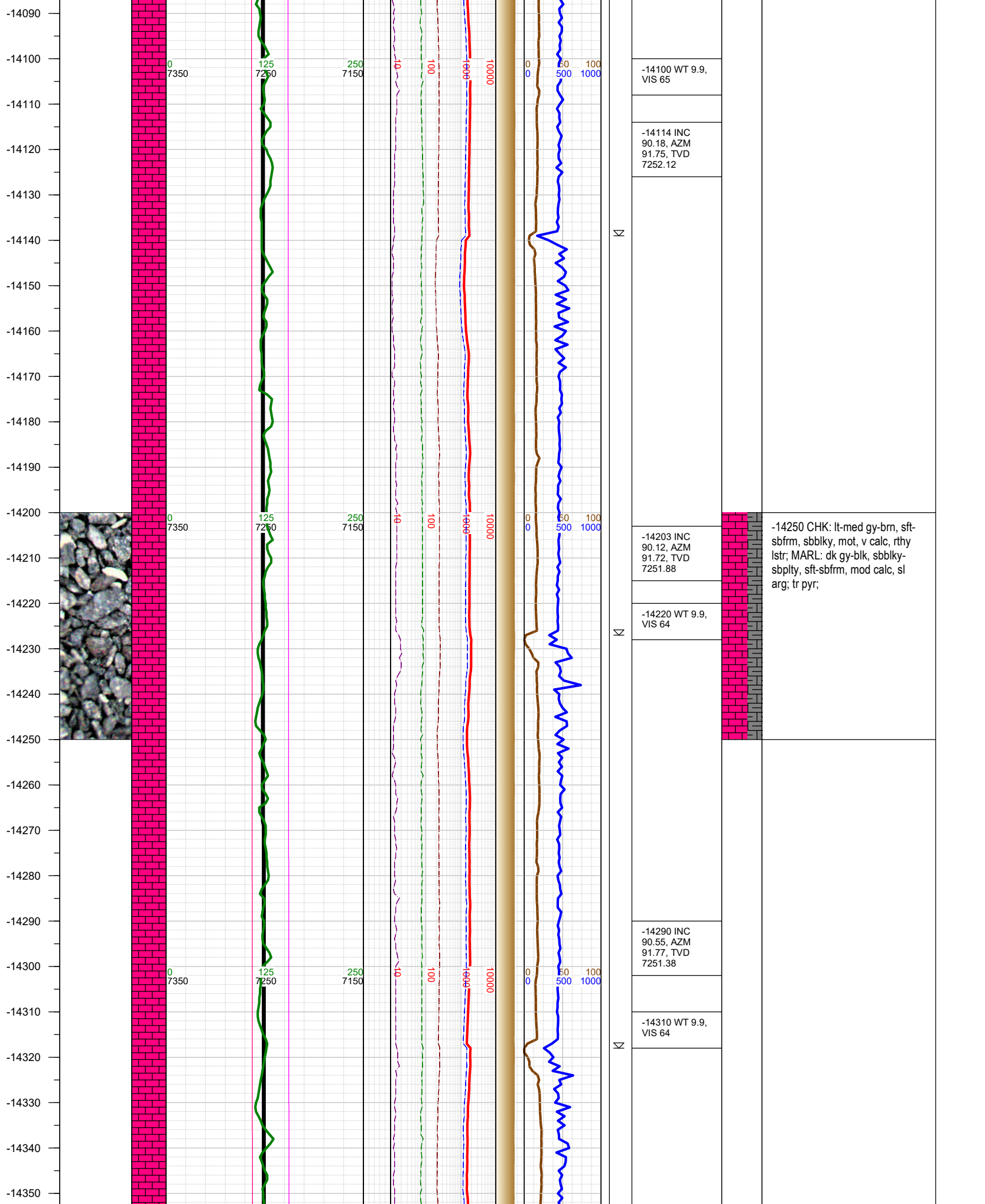
-13937 INC
90.06, AZM
91.65, TVD
7252.3

-13953 Fault: 8'
down-throw;
stayed in B2
Chalk

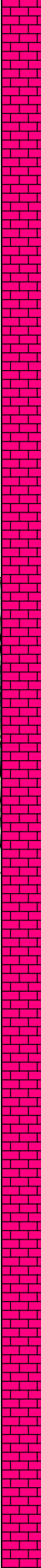
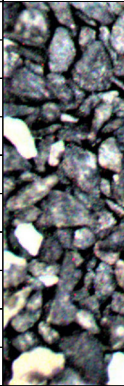
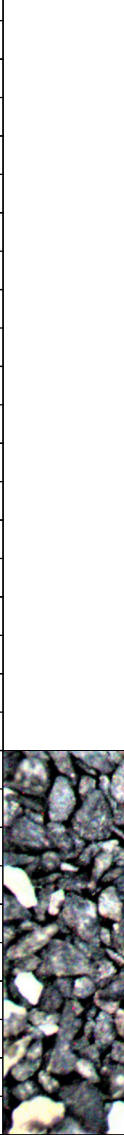
-14000 WT 9.9,
VIS 65

-14026 INC 90,
AZM 91.63,
TVD 7252.26

-14000 MARL: dk gy-blk, sbbly-
sbply, sft-sbfrm, mod calc, sl
arg; CHK: lt-med gy, sft-sbfrm,
sbbly, mot, v calc, rthy lstr, mod
silty; tr forams; tr fos frags; tr grn
bent, tr pyr;



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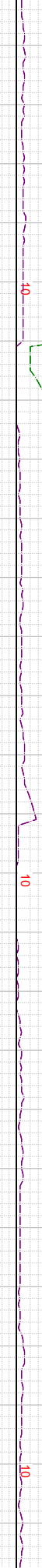
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1000 10000



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-14378 INC
90.58, AZM
91.86, TVD
7250.51

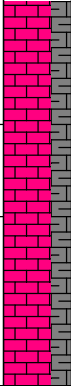
-14400 WT 9.9,
VIS 64

-14466 INC
90.46, AZM
91.83, TVD
7249.71

-14500 WT 9.9,
VIS 64

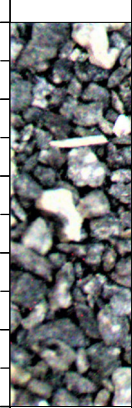
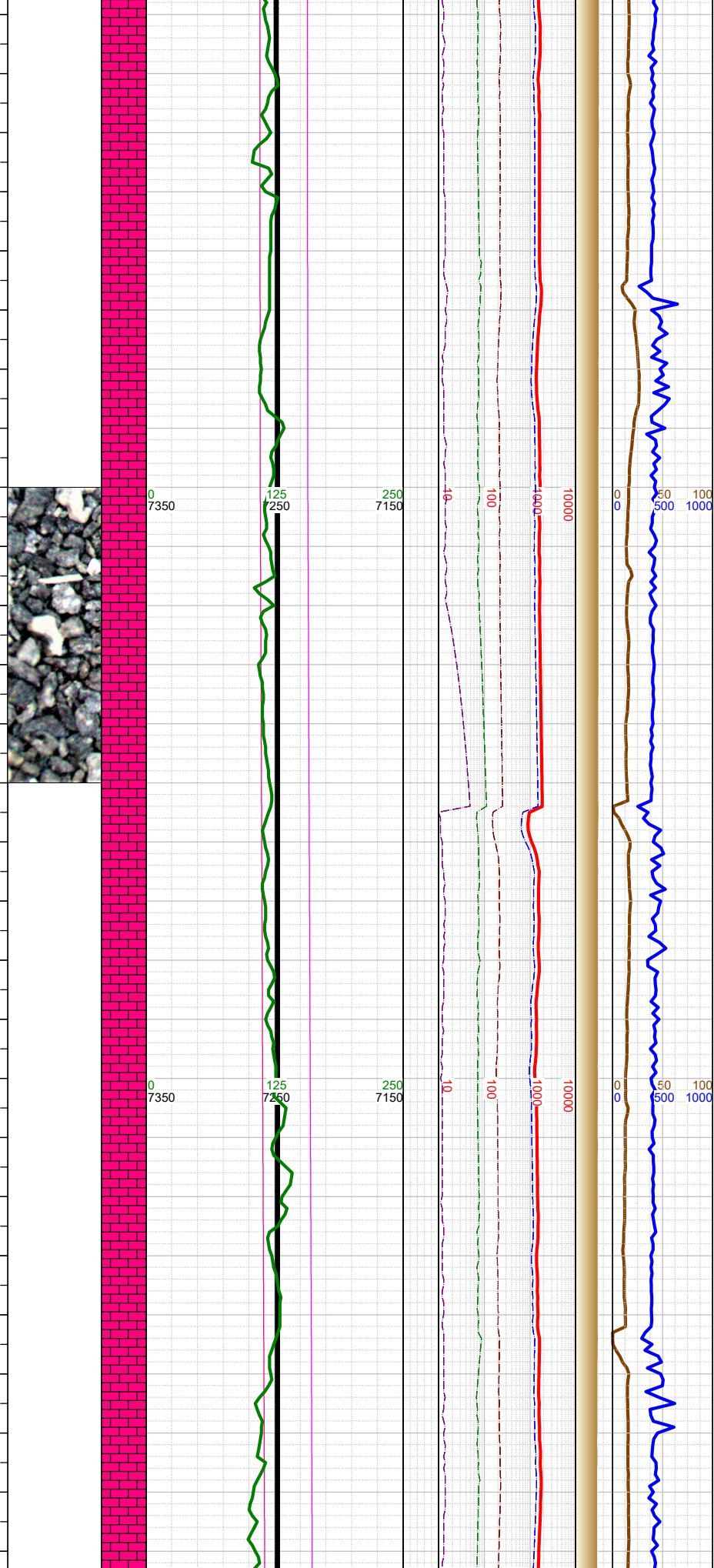
-14555 INC
90.37, AZM
91.8, TVD
7249.06

-14600 WT 9.9,
VIS 64



-14500 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbppty, sft-sbfrm, mod calc, sl arg; tr pyr;

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-14642 INC
90.49, AZM
91.68, TVD
7248.41

-14700 WT 9.9,
VIS 64

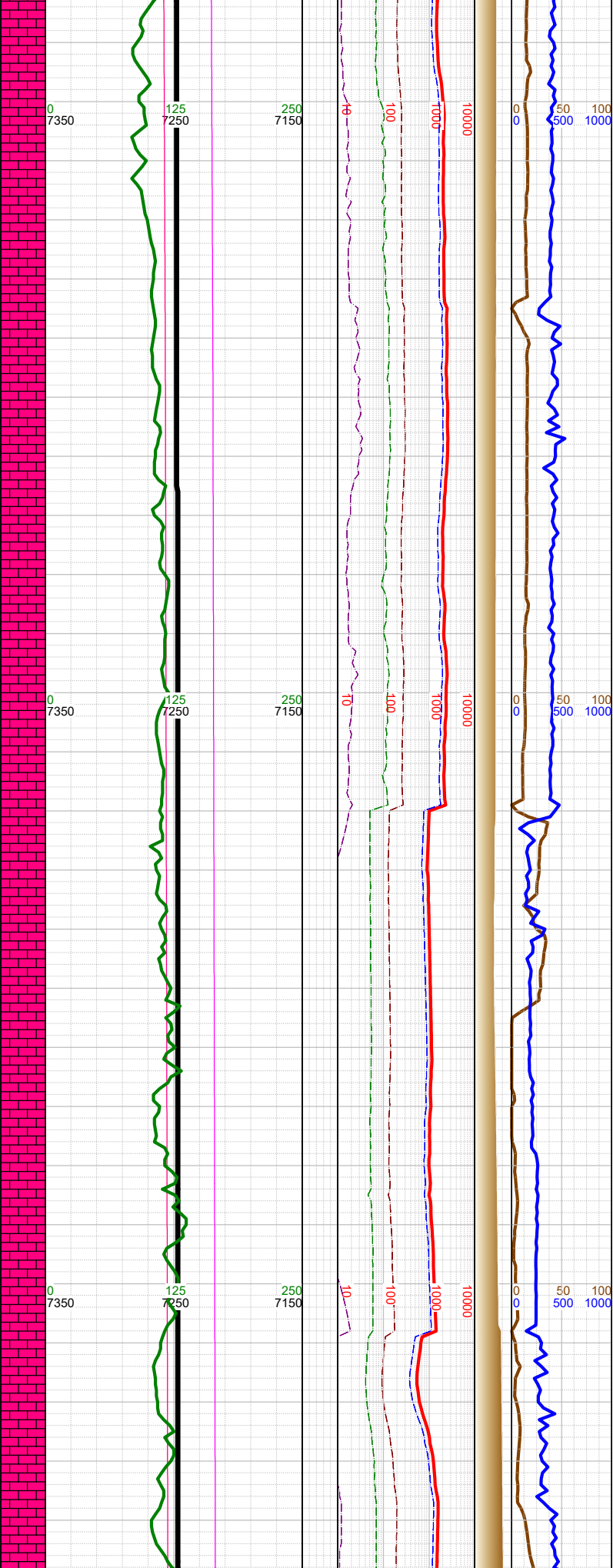
-14729 INC
90.15, AZM
91.74, TVD
7247.93

-14800 WT 9.9,
VIS 64

-14818 INC
90.09, AZM
91.65, TVD
7247.74

-14750 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr pyr;

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-15140



-14906 INC
90.06, AZM
91.57, TVD
7247.62

-14920 WT 9.9,
VIS 64



-15000 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr pyr;

-14995 INC
90.18, AZM
91.67, TVD
7247.44

-15010 WT 9.9,
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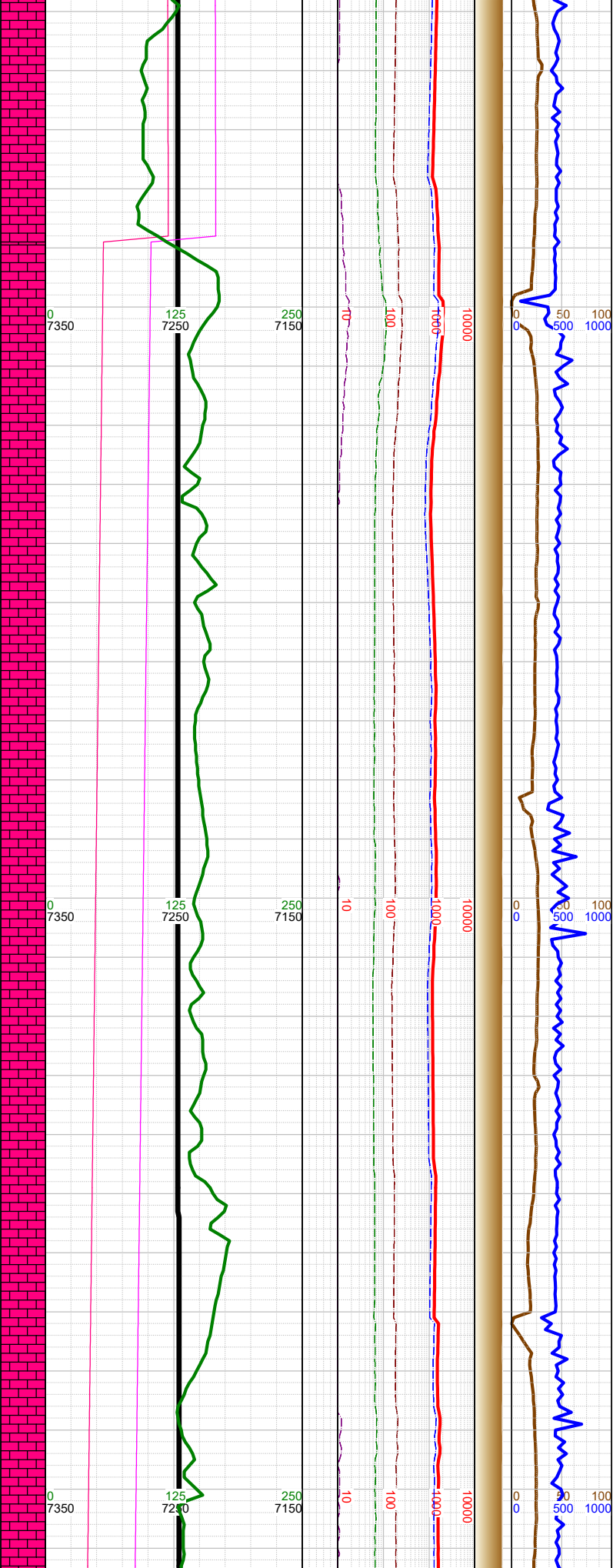
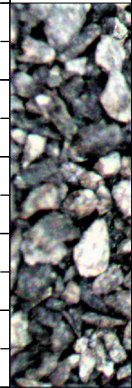


-15082 INC
90.06, AZM
91.57, TVD
7247.26

-15100 WT 9.9,
VIS 64



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-15410



-15170 INC
90.25, AZM
91.63, TVD
7247.02

-15189 Fault:
50' down-throw;
went from B2
Chalk to B1
Chalk

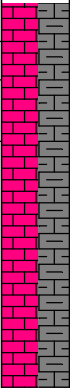
-15210 WT 9.9,
VIS 64

-15259 INC
90.06, AZM
91.61, TVD
7246.78

-15300 WT 9.9,
VIS 64

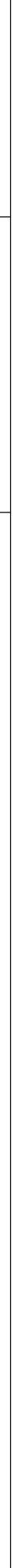
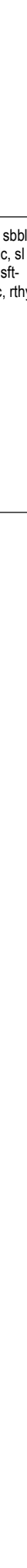
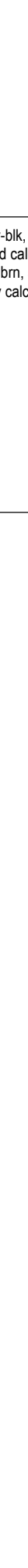
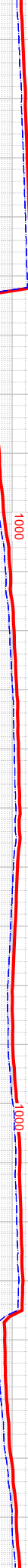
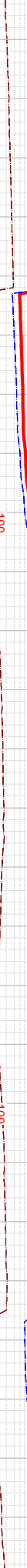
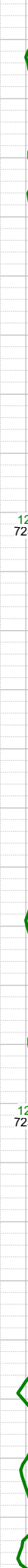
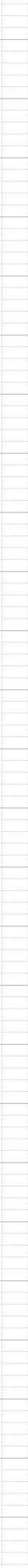
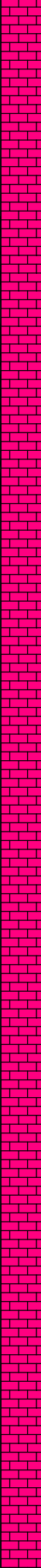
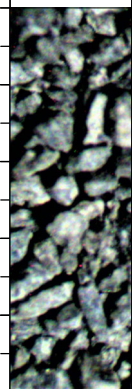
-15348 INC
90.25, AZM
91.6, TVD
7246.54

-15400 WT 9.9,
VIS 64



-15250 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr pyr;

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-15435 INC
90.46, AZM
91.66, TVD
7246

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

-15500 WT 9.7,
VIS 64

-15523 INC
90.22, AZM
91.66, TVD
7245.48

-15553 Fault:
11' up-throw;
stayed in B1
Chalk

-15600 WT 9.7,
VIS 64

-15611 INC
90.15, AZM
91.65, TVD
7245.19

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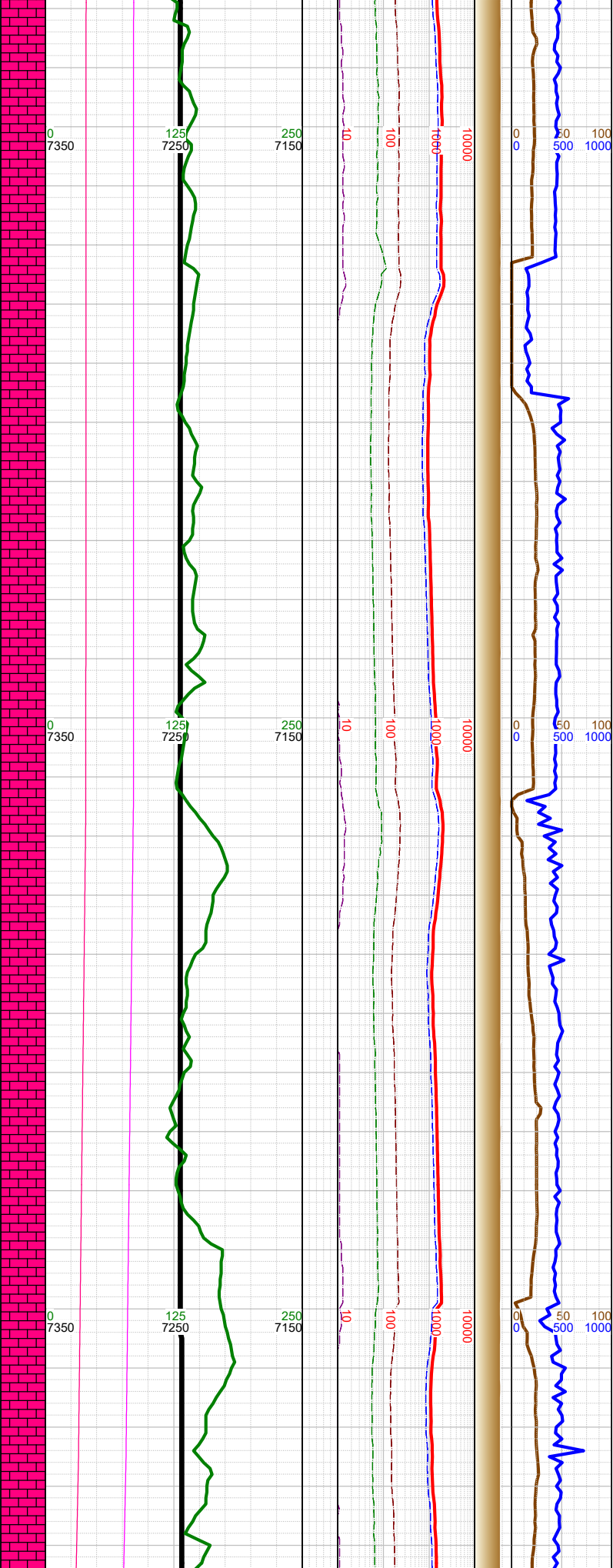
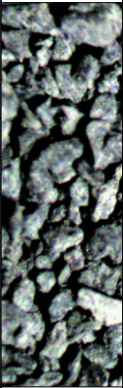
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-15700 INC 90,
AZM 91.6, TVD
7245.07

-15720 WT 9.7,
VIS 64

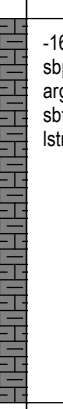
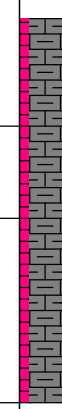
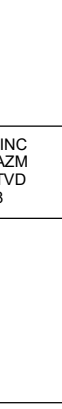
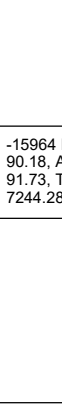
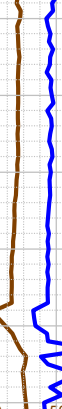
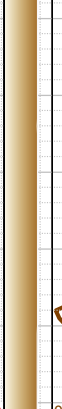
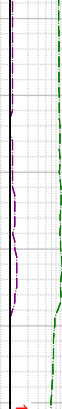
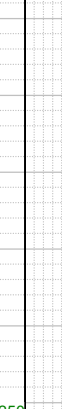
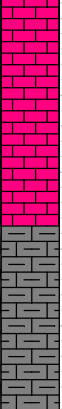
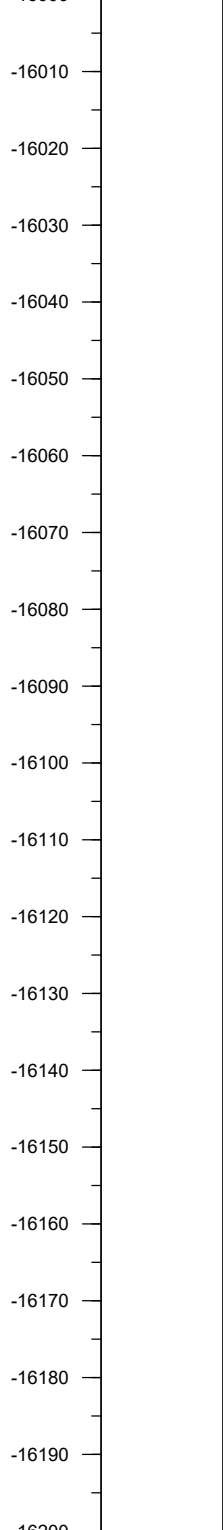
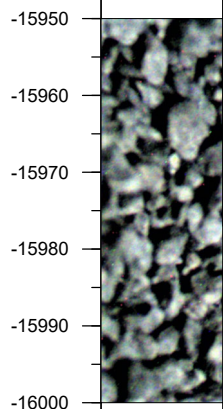
-15788 INC
90.18, AZM
91.65, TVD
7244.94

-15800 WT 9.7,
VIS 64

-15875 INC
90.25, AZM
91.59, TVD
7244.61

-15900 WT 9.7,
VIS 64

-15750 MARL: dk gy-blk, sbblky-
sbply, sft-sbfrm, mod calc, sl
arg; CHK: lt-med gy-brn, sft-
sbfrm, sbblky, mot, v calc, rthy
lstr; tr pyr;



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

-15964 INC 90.18, AZM 91.73, TVD 7244.28

-16000 WT 9.8, VIS 60

-16025 Fault: 98' up-throw; went from A Marl to B Marl

-16052 INC 90.09, AZM 91.79, TVD 7244.07

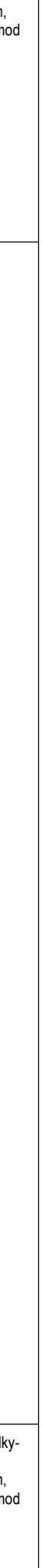
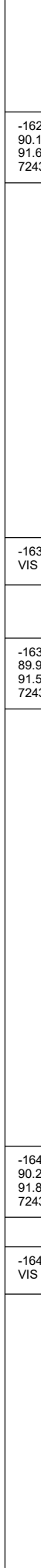
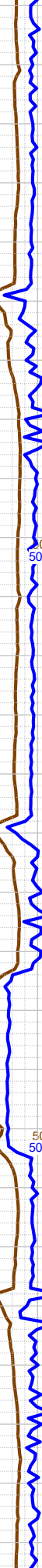
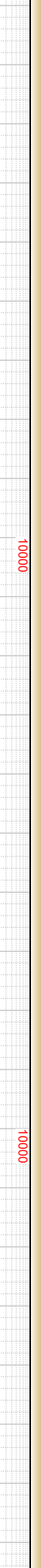
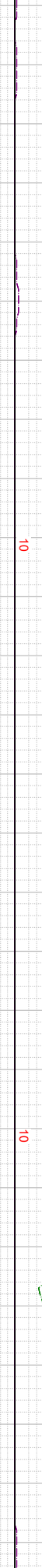
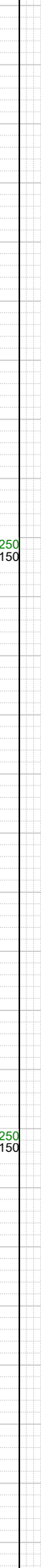
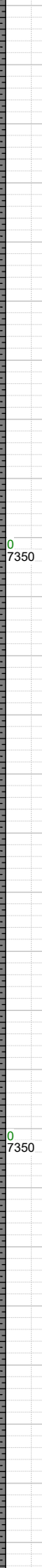
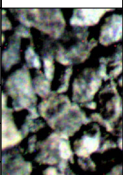
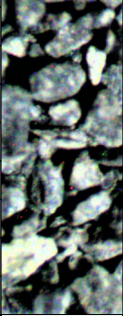
-16100 WT 9.8, VIS 60

-16140 INC 90.06, AZM 91.54, TVD 7243.95

-16200 WT 9.8, VIS 60

-16250 MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl

-16210
-16220
-16230
-16240
-16250
-16260
-16270
-16280
-16290
-16300
-16310
-16320
-16330
-16340
-16350
-16360
-16370
-16380
-16390
-16400
-16410
-16420
-16430
-16440
-16450
-16460
-16470



-16228 INC
90.15, AZM
91.65, TVD
7243.79

-16300 WT 9.8,
VIS 60

-16317 INC
89.97, AZM
91.51, TVD
7243.7

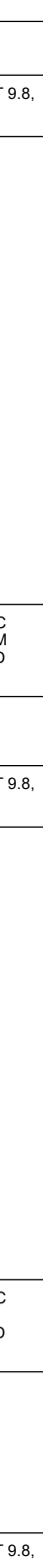
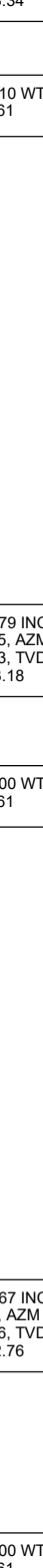
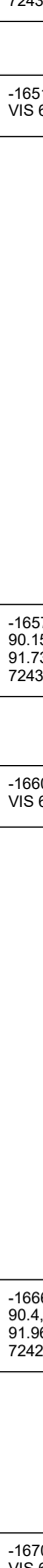
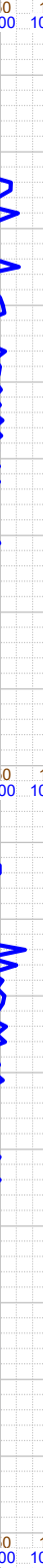
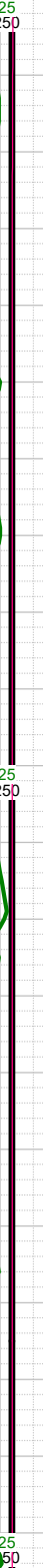
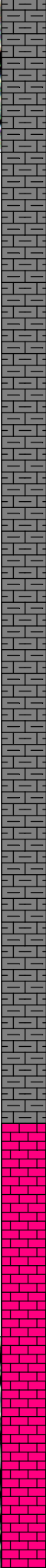
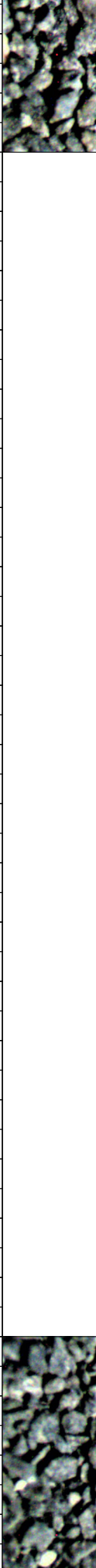
-16403 INC
90.22, AZM
91.82, TVD
7243.56

-16420 WT 9.8,
VIS 61

arg; CHK: lt-med gy, sft-sbfrm,
sbbkly, mot, v calc, rthy lstr, mod
silty; mod forams; tr fos frags;

-16500 MARL: dk gy-blk, sbbkly-
sbply, sft-sbfrm, mod calc, sl
arg; CHK: lt-med gy, sft-sbfrm,
sbbkly, mot, v calc, rthy lstr, mod
silty; mod forams; tr fos frags;

-16480
-16490
-16500
-16510
-16520
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-16540
-16550
-16560
-16570
-16580
-16590
-16600
-16610
-16620
-16630
-16640
-16650
-16660
-16670
-16680
-16690
-16700
-16710
-16720
-16730



-16491 INC
90.06, AZM
91.53, TVD
7243.34

-16510 WT 9.8,
VIS 61

-16579 INC
90.15, AZM
91.73, TVD
7243.18

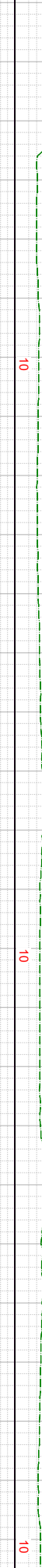
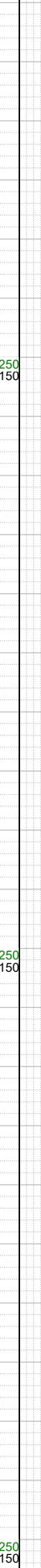
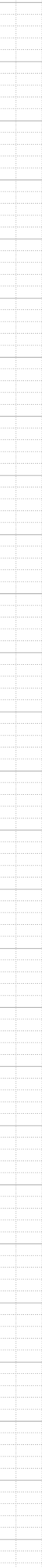
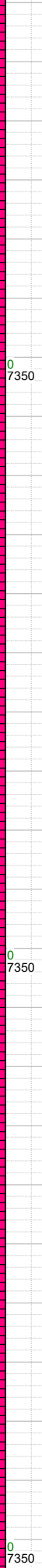
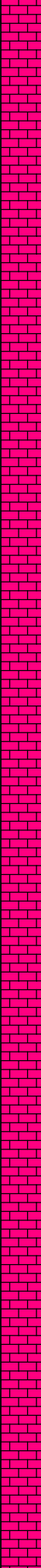
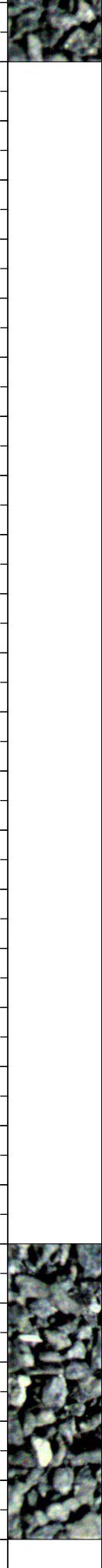
-16600 WT 9.8,
VIS 61

-16667 INC
90.4, AZM
91.96, TVD
7242.76

-16700 WT 9.8,
VIS 61

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

-16740
-16750
-16760
-16770
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-16790
-16800
-16810
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-16830
-16840
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-16970
-16980
-16990
-17000



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0 125 250 7350 7250 7150 10 100 1000 10000 0 50 100 500 1000

0 125 250 7350 7250 7150 10 100 1000 10000 0 50 100 500 1000

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-16756 INC
90.22, AZM
91.74, TVD
7242.28

-16800 WT 9.8,
VIS 61

-16845 INC
89.88, AZM
91.64, TVD
7242.2

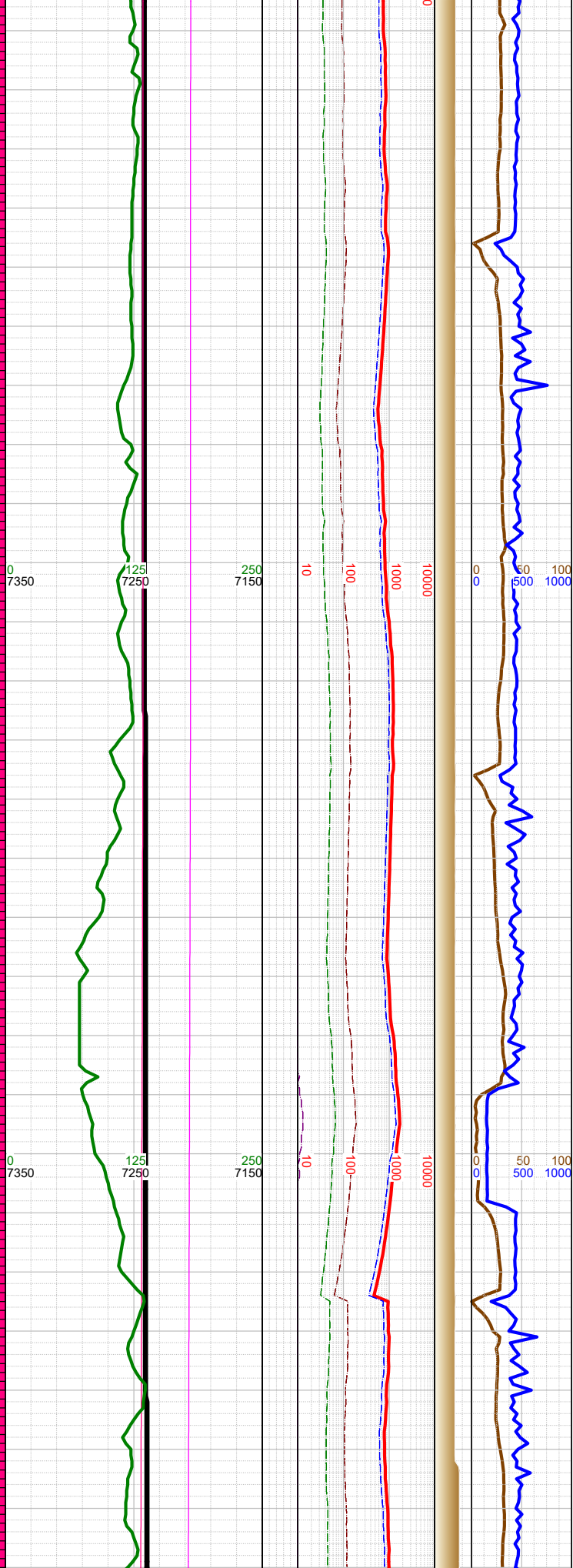
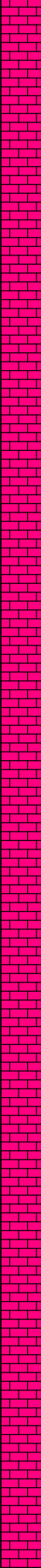
-16900 WT 9.8,
VIS 61

-16932 INC
90.03, AZM
91.78, TVD
7242.27

-17000 MARL: dk gy-blk, sbbkly-
sbppty, sft-sbfrm, mod calc, sl
arg; CHK: lt-med gy, sft-sbfrm,
sbbkly, mot, v calc, rthy lstr, mod
silty; mod forams; tr fos frags;

-17000 WT 9.8,
VIS 61

-17010
-17020
-17030
-17040
-17050
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-17070
-17080
-17090
-17100
-17110
-17120
-17130
-17140
-17150
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-17240
-17250
-17260
-17270

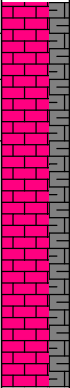
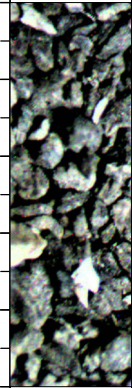


K

K

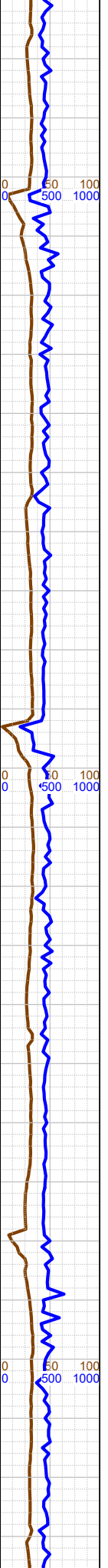
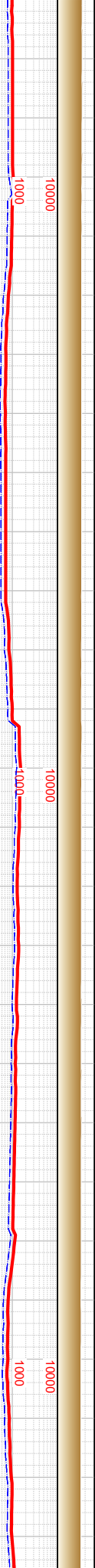
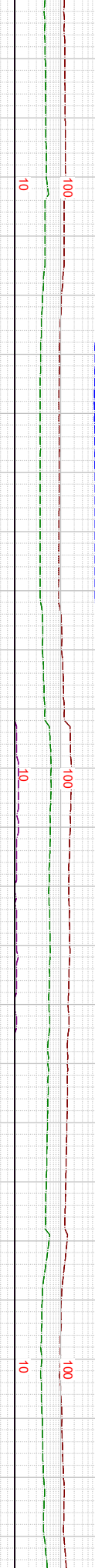
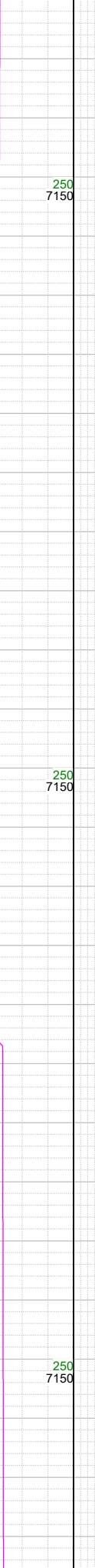
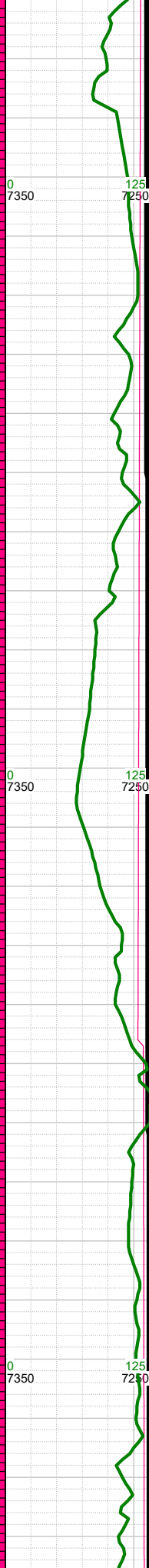
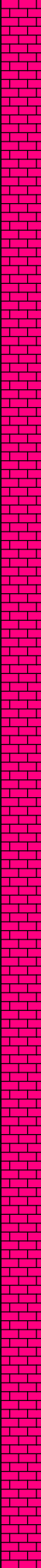
K

-17019 INC 90.22, AZM 91.75, TVD 7242.08
-17106 INC 90.34, AZM 91.78, TVD 7241.65
-17120 WT 9.8, VIS 61
-17192 INC 90.55, AZM 91.84, TVD 7240.98
-17210 WT 9.8, VIS 61



-17250 CHK: lt-med gy-brn, sft-sbfm, sbbiky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbiky-sbpity, sft-sbfm, mod calc, sl arg; tr pyr; mod forams; mod fos frags;

-17270
-17280
-17290
-17300
-17310
-17320
-17330
-17340
-17350
-17360
-17370
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-17390
-17400
-17410
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-17430
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-17450
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-17490
-17500
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-17520
-17530



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0 500 1000

-17278 INC
90.58, AZM
91.61, TVD
7240.14

-17300 WT 9.8,
VIS 61

-17366 INC
90.43, AZM
91.56, TVD
7239.36

-17400 WT 9.8,
VIS 61

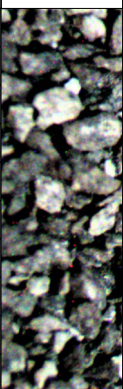
-17447 Fault: 4'
up-throw; stayed
in B2 Chalk

-17455 INC
90.58, AZM
91.69, TVD
7238.58

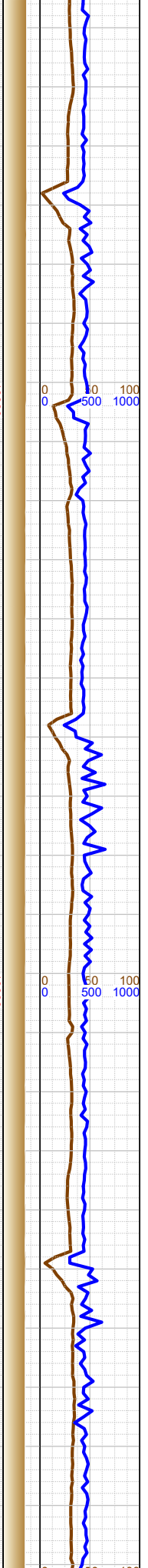
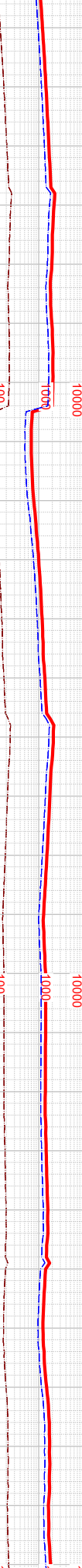
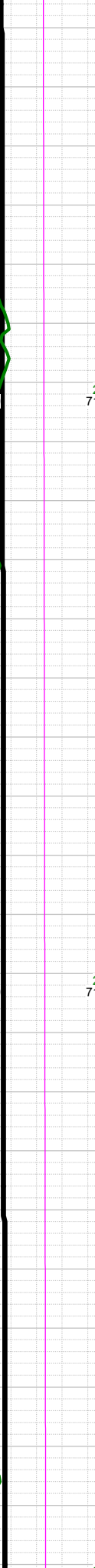
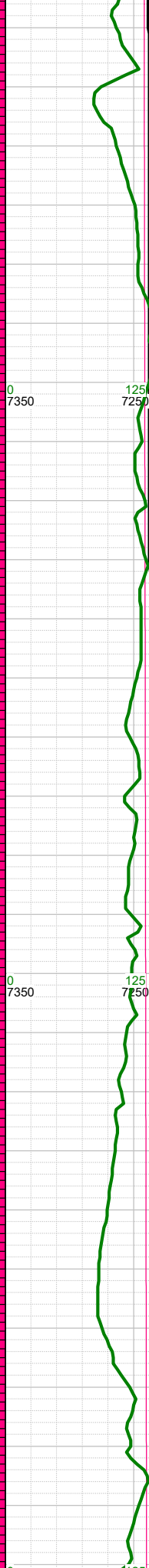
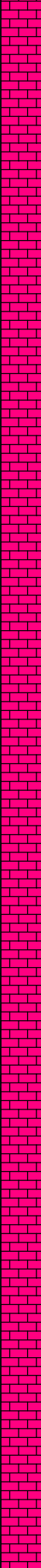
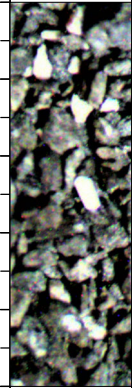
-17478 0000 hrs
on 9/28/2022

-17500 WT 9.8,
VIS 61

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



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-17690
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-17800



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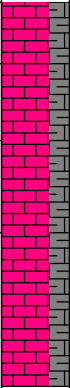
-17543 INC
90.86, AZM
92.01, TVD
7237.47

-17600 WT 9.8,
VIS 61

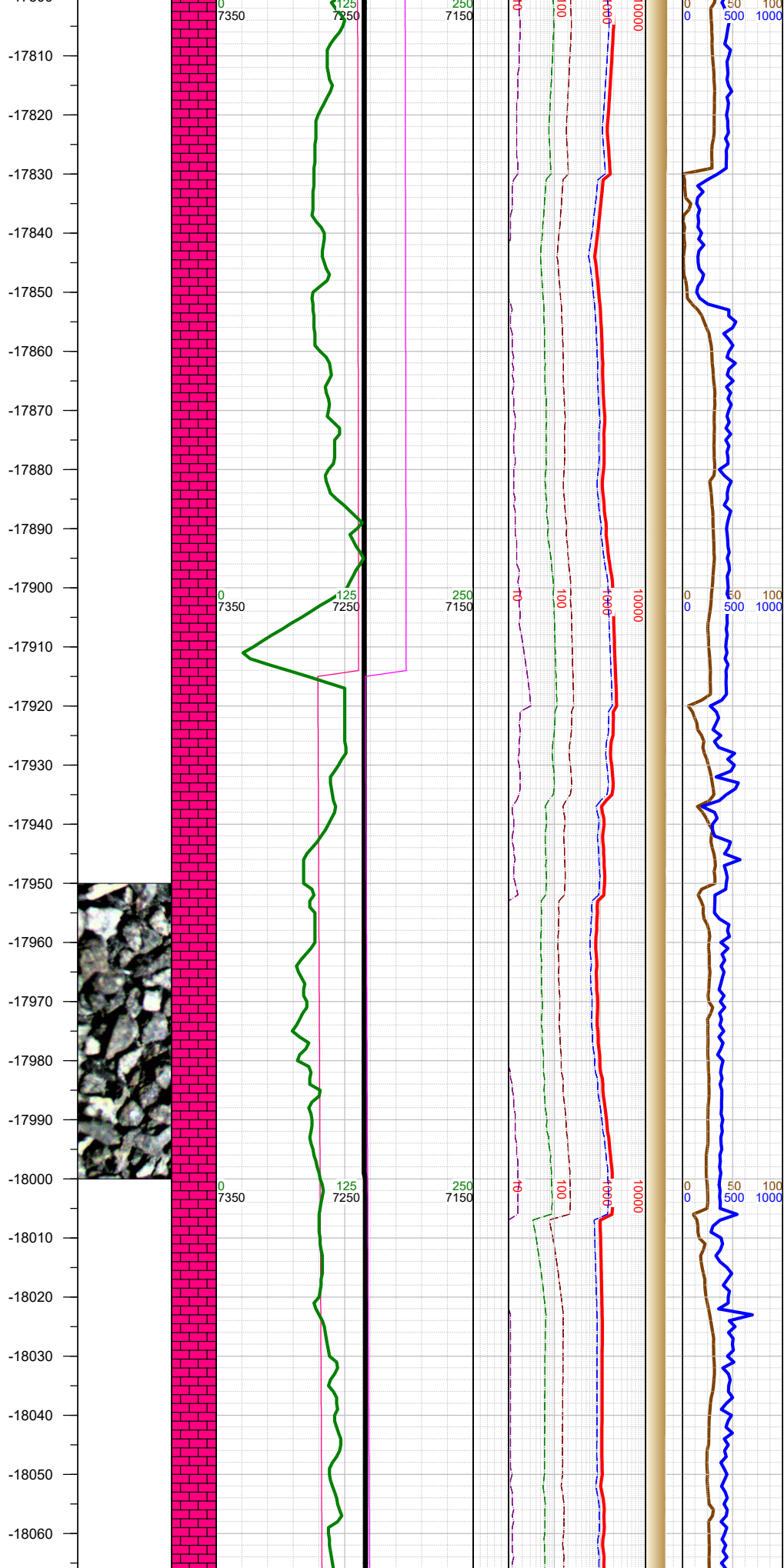
-17630 INC
90.4, AZM
91.56, TVD
7236.51

-17700 WT 9.8,
VIS 61

-17718 INC
90.62, AZM
91.78, TVD
7235.73



-17750 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbply, sft-sbfrm, mod calc, sl arg; tr pyr; mod forams; mod fos frags;



-17806 INC
90.49, AZM
91.58, TVD
7234.88

-17820 WT 9.8,
VIS 61

-17893 INC
89.94, AZM
91.67, TVD
7234.55

▣
-17915 Fault:
32' down-throw;
stayed in B2
Chalk

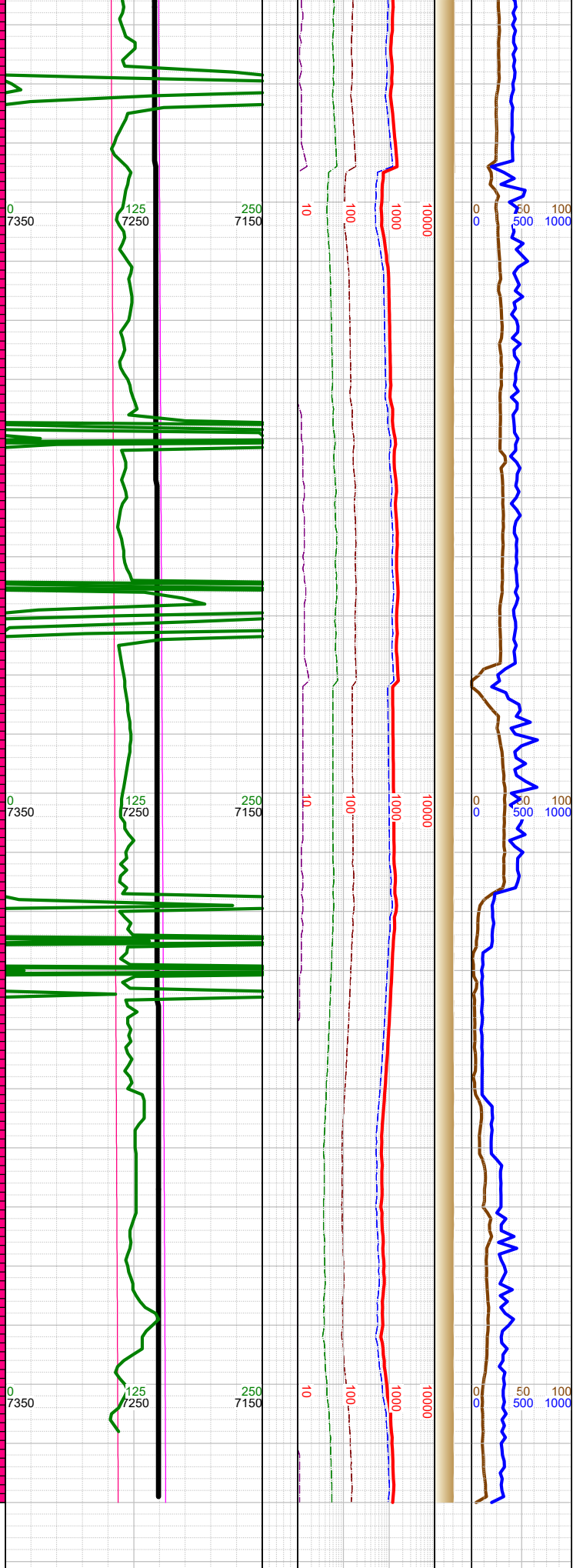
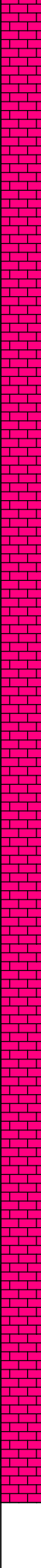
-17930 WT 9.9,
VIS 63

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

-17982 INC
89.94, AZM
91.52, TVD
7234.64

-18000 WT 9.9,
VIS 63

-18070
-18080
-18090
-18100
-18110
-18120
-18130
-18140
-18150
-18160
-18170
-18180
-18190
-18200
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-18220
-18230
-18240
-18250
-18260
-18270
-18280
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-18300
-18310
-18320
-18330



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-18069 INC
90.98, AZM
91.88, TVD
7233.95

-18100 WT 9.9,
VIS 63

-18157 INC
91.14, AZM
91.76, TVD
7232.32

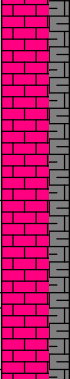
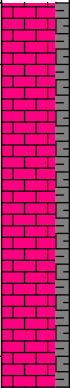
-18200 WT 9.9,
VIS 63

-18246 INC
90.06, AZM
91.45, TVD
7231.39

-18296 INC
90.03, AZM
91.71, TVD
7231.35

-18310 WT 9.9,
VIS 63

-18320 Reached
horizontal TD of
18320' MD,
7231' TVD at



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

-18320 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; tr pyr; mod forams; mod fos frags;

-18340

0355 hrs on
9/28/2022.

TOTAL DEPTH = 18320'

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