

OPERATOR: **Bill Barrett Corp**

WELL NAME: **Anschutz State 5-62-22-1609C2**

FIELD NAME: Wattenberg

DRILLING RIG: Cade 24

API #: 05-123-41754

SCALE: 5" = 100'

SURFACE HOLE 2000 FNL, 350 FWL

LOCATION: SWNW Sec 22, T5N, R62W



Earth Science Agency, LLC

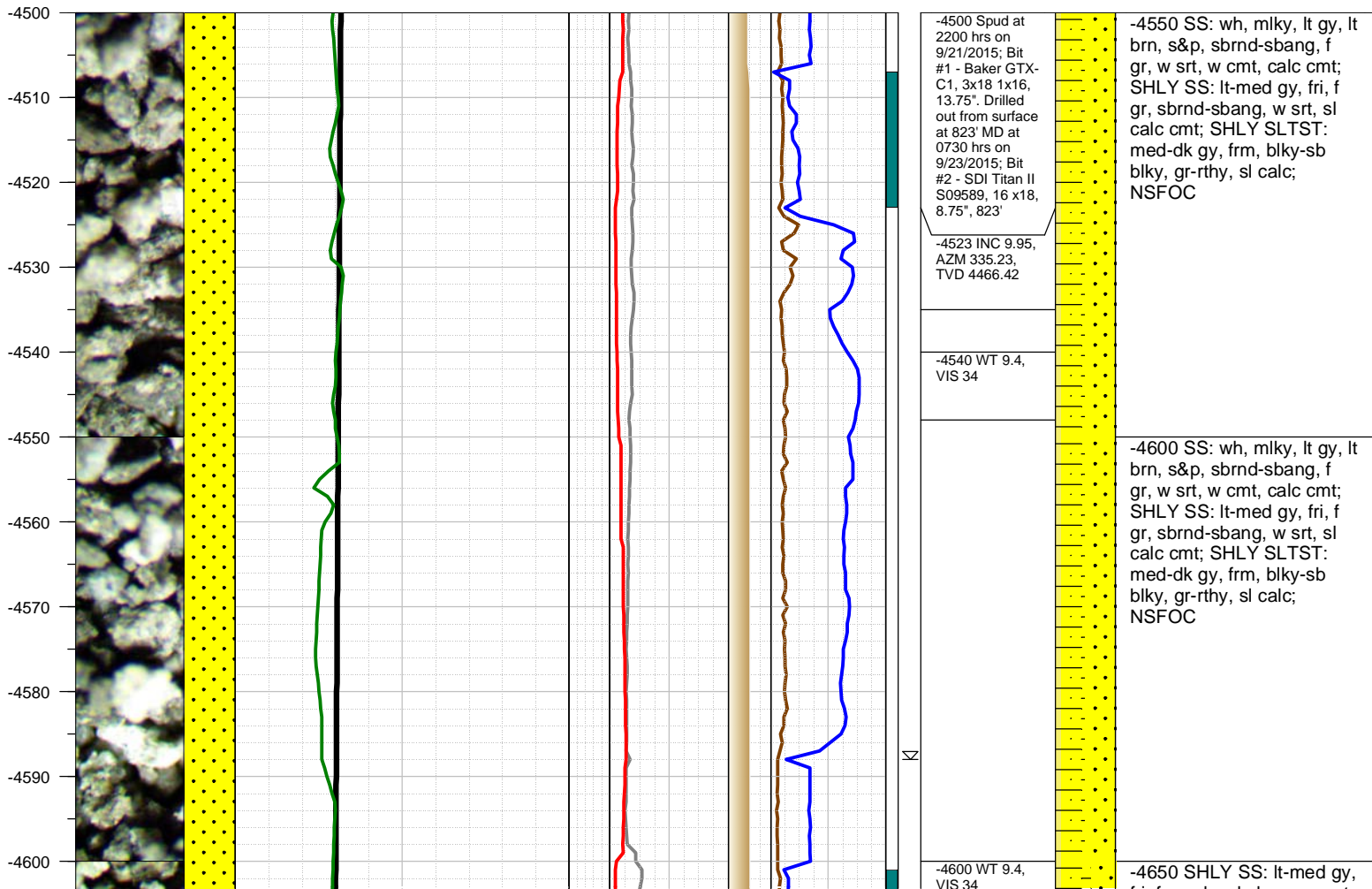
COUNTY: Weld
 STATE: Colorado
 GROUND ELEVATION: 4719'
 KELLY BUSHING: 4735'
 DRILLING FLUID: LSND
 TVD VS. MD: 6324' / 16517'
 SPUD DATE: September 21, 2015
 BEGIN LOGGING: 4500'; September 23, 2015
 TD DATE: September 28, 2015
 DATES LOGGED: September 23, 2015 - September 28, 2015
 DEPTHS LOGGED: 4500' - 16517'
 LOGGER: Kyle Knight, Tyson Barnes

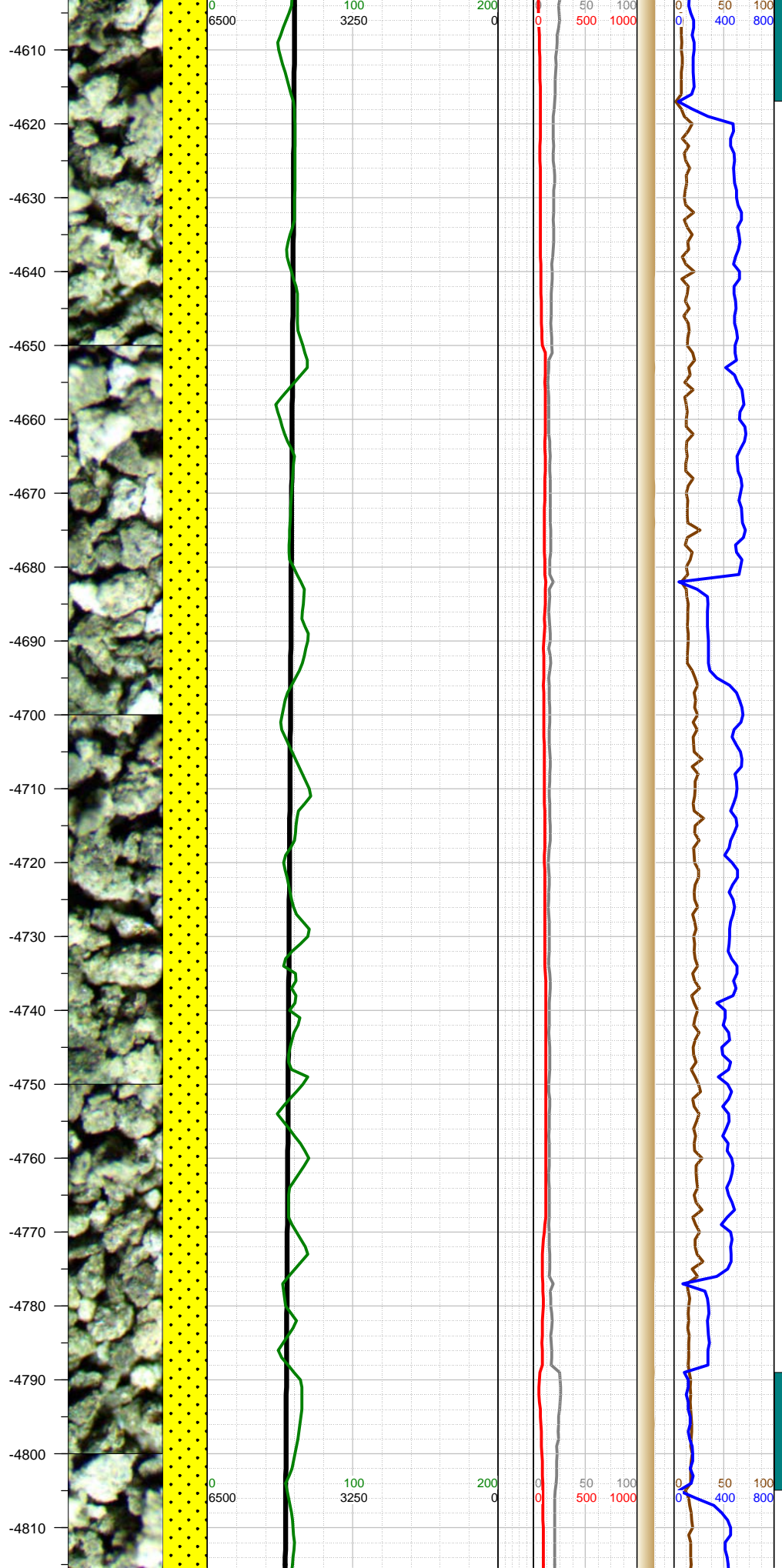
LEGEND

	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

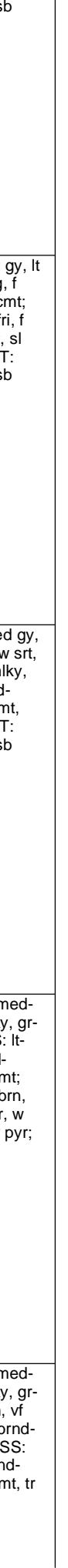
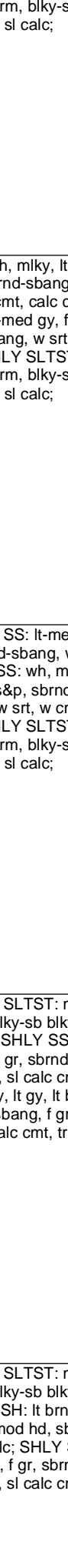
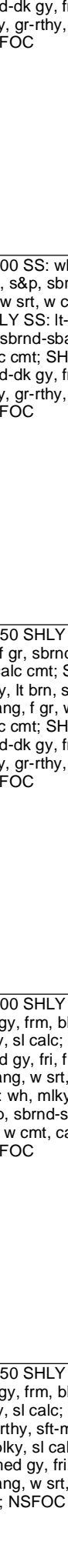
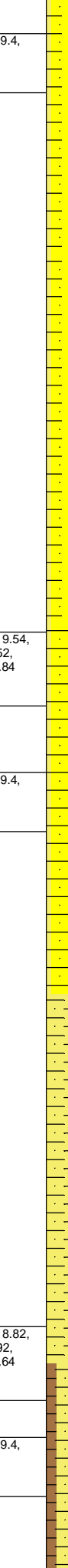
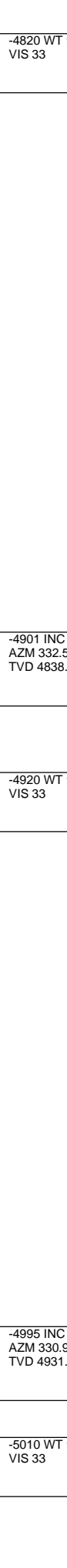
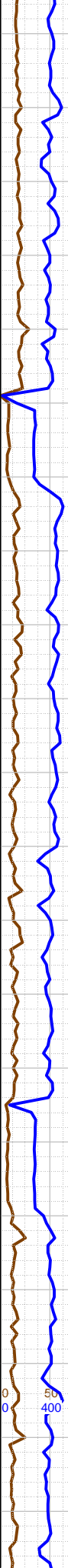
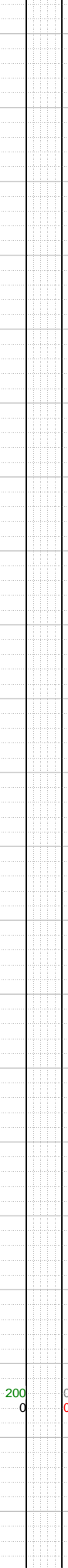
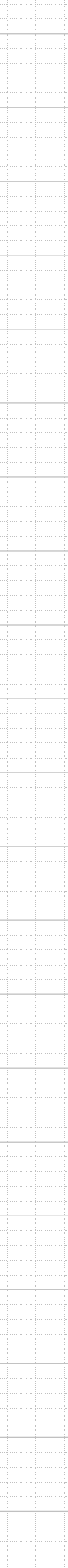
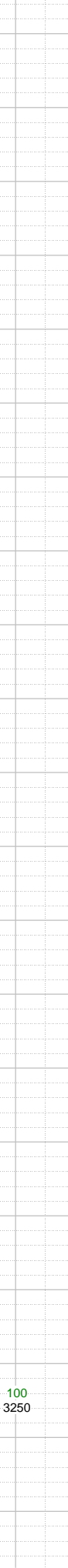
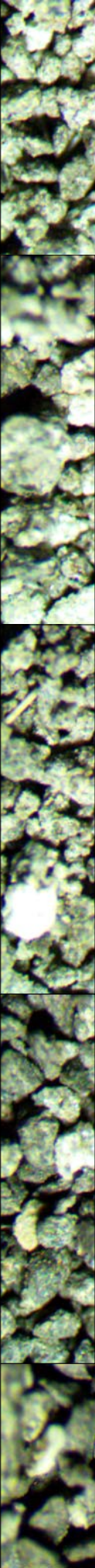
MEASURED DEPTH (FT)	PHOTOS	MUDLOGGER INTERP	GEOSTEERING INTERP		OIL SHOWS	GAS	ROP	COMMENTS	CUTTINGS %	SAMPLE DESCRIPTION
			TARGET TOP & BASE							
			TVD							
			ft							
			0							
			GAMMA		WETNESS		WOB			
			api	%						
			0	200						





	fri, f gr, sbrnd-sbang, w srt, sl calc cmt; SS: wh, mlky, lt gy, lt brn, s&p, sbrnd-sbang, f gr, w srt, w cmt, calc cmt; SHLY SLTST: med-dk gy, frm, blk-y-sb blk-y, gr-rthy, sl calc; NSFOC
-4617 INC 10.29, AZM 334.57, TVD 4558.95	
	-4700 SHLY SS: lt-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt; SS: wh, mlky, lt gy, lt brn, s&p, sbrnd-sbang, f gr, w srt, w cmt, calc cmt; SHLY SLTST: med-dk gy, frm, blk-y-sb blk-y, gr-rthy, sl calc; NSFOC
-4700 WT 9.4, VIS 34	-4750 SS: wh, mlky, lt gy, lt brn, s&p, sbrnd-sbang, f gr, w srt, w cmt, calc cmt; 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; NSFOC
-4711 INC 9.71, AZM 333.12, TVD 4651.53	
	-4800 SS: wh, mlky, lt gy, lt brn, s&p, sbrnd-sbang, f gr, w srt, w cmt, calc cmt; 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; NSFOC
-4805 INC 9.66, AZM 335.19, TVD 4744.19	-4850 SS: wh, mlky, lt gy, lt brn, s&p, sbrnd-sbang, f gr, w srt, w cmt, calc cmt; SHLY SS: lt-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt; SHLY SLTST:

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-4970
-4980
-4990
-5000
-5010
-5020



-4820 WT 9.4,
VIS 33

-4901 INC 9.54,
AZM 332.52,
TVD 4838.84

-4920 WT 9.4,
VIS 33

-4995 INC 8.82,
AZM 330.92,
TVD 4931.64

-5010 WT 9.4,
VIS 33

med-dk gy, frm, blk-sb
blk, gr-rthy, sl calc;
NSFOC

-4900 SS: wh, mlky, lt gy, lt
brn, s&p, sbrnd-sbang, f
gr, w srt, w cmt, calc cmt;
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;
NSFOC

-4950 SHLY SS: lt-med gy,
fri, f gr, sbrnd-sbang, w srt,
sl calc cmt; SS: wh, mlky,
lt gy, lt brn, s&p, sbrnd-
sbang, f gr, w srt, w cmt,
calc cmt; SHLY SLTST:
med-dk gy, frm, blk-sb
blk, gr-rthy, sl calc;
NSFOC

-5000 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;
SS: wh, mlky, lt gy, lt brn,
s&p, sbrnd-sbang, f gr, w
srt, w cmt, calc cmt, tr pyr;
NSFOC

-5050 SHLY SLTST: med-
dk gy, frm, blk-sb blk, gr-
rthy, sl calc; SH: lt brn, vf
gr, rthy, sft-mod hd, sbrnd-
sbbkly, sl calc; SHLY SS:
lt-med gy, fri, f gr, sbrnd-
sbang, w srt, sl calc cmt, tr
pyr; NSFOC

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6500

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3250

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0

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500

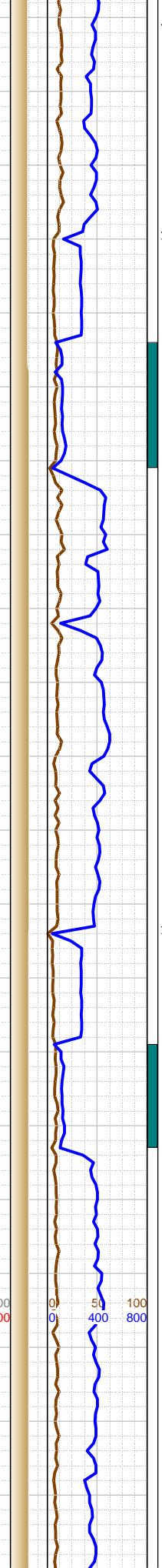
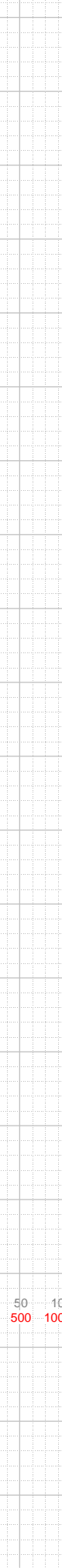
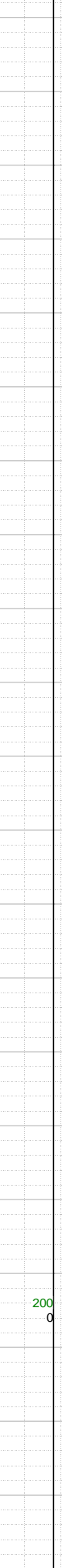
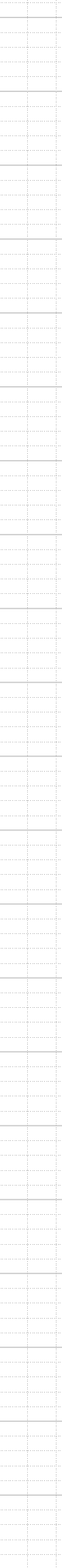
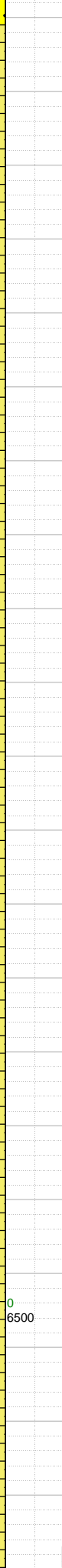
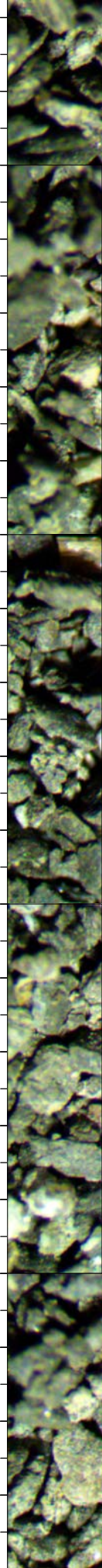
100
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400

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800

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-5100
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-5140
-5150
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-5170
-5180
-5190
-5200
-5210
-5220
-5230
-5240



▲

-5031 Top Shannon Formation; 4967 TVD

-5078 0000 hrs on 9/24/2015

-5090 INC 7.64, AZM 336.04, TVD 5025.66

-5100 WT 9.4, VIS 33

-5184 INC 5.93, AZM 337.29, TVD 5119

-5200 WT 9.5, VIS 33

-5100 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; SH: lt brn, vf gr, rthy, sft-mod hd, sbrnd-sbblk-y, sl calc; NSFOC

-5150 SHLY SLTST: med-dk gy, frm, blk-y-sb blk-y, gr-rthy, sl calc; SH: lt brn, vf gr, rthy, sft-mod hd, sbrnd-sbblk-y, sl calc; SHLY SS: lt-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt; NSFOC

-5200 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; SH: lt brn, vf gr, rthy, sft-mod hd, sbrnd-sbblk-y, sl calc; NSFOC

-5250 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; SH: lt brn, vf gr, rthy, sft-mod hd, sbrnd-sbblk-y, sl calc; NSFOC

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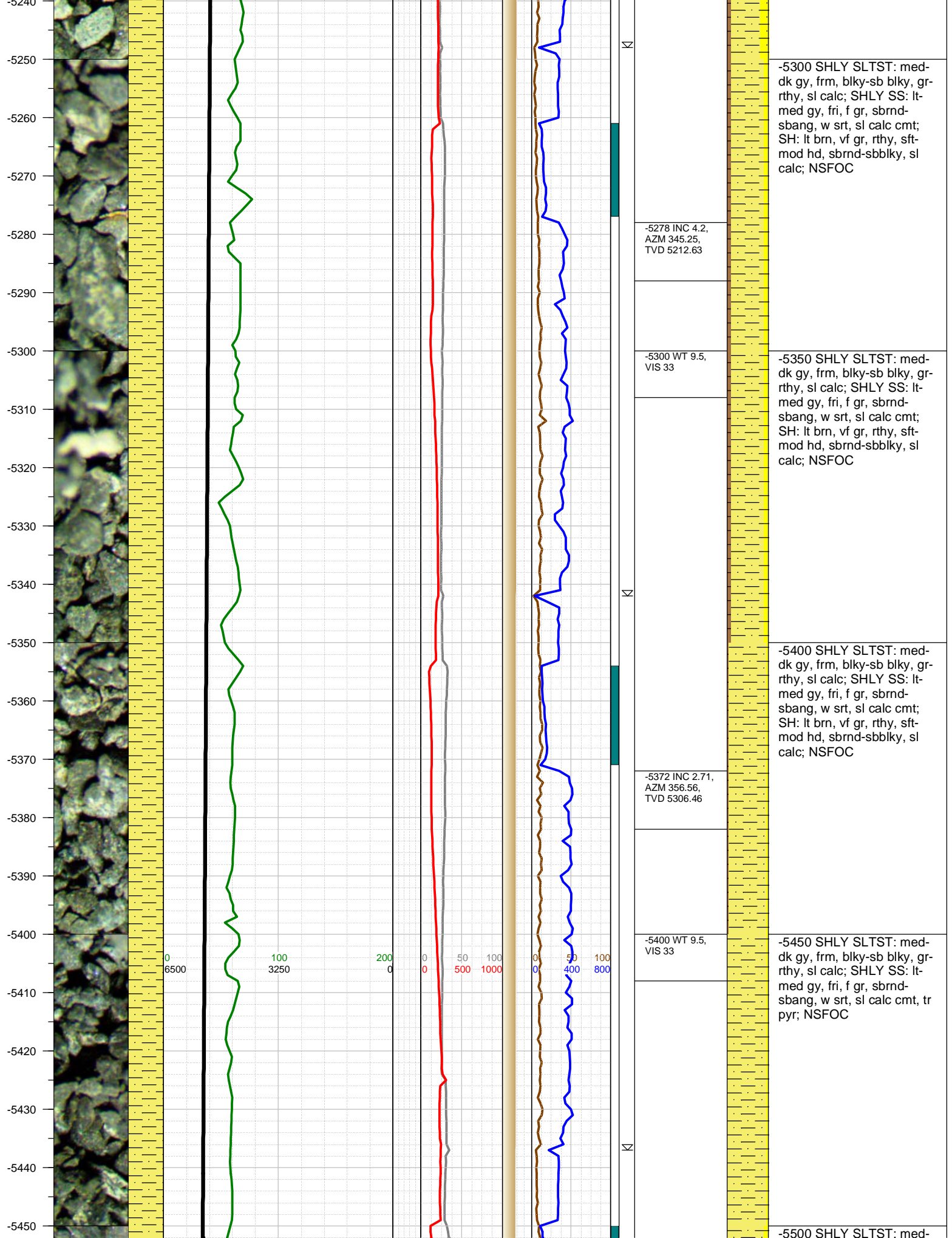
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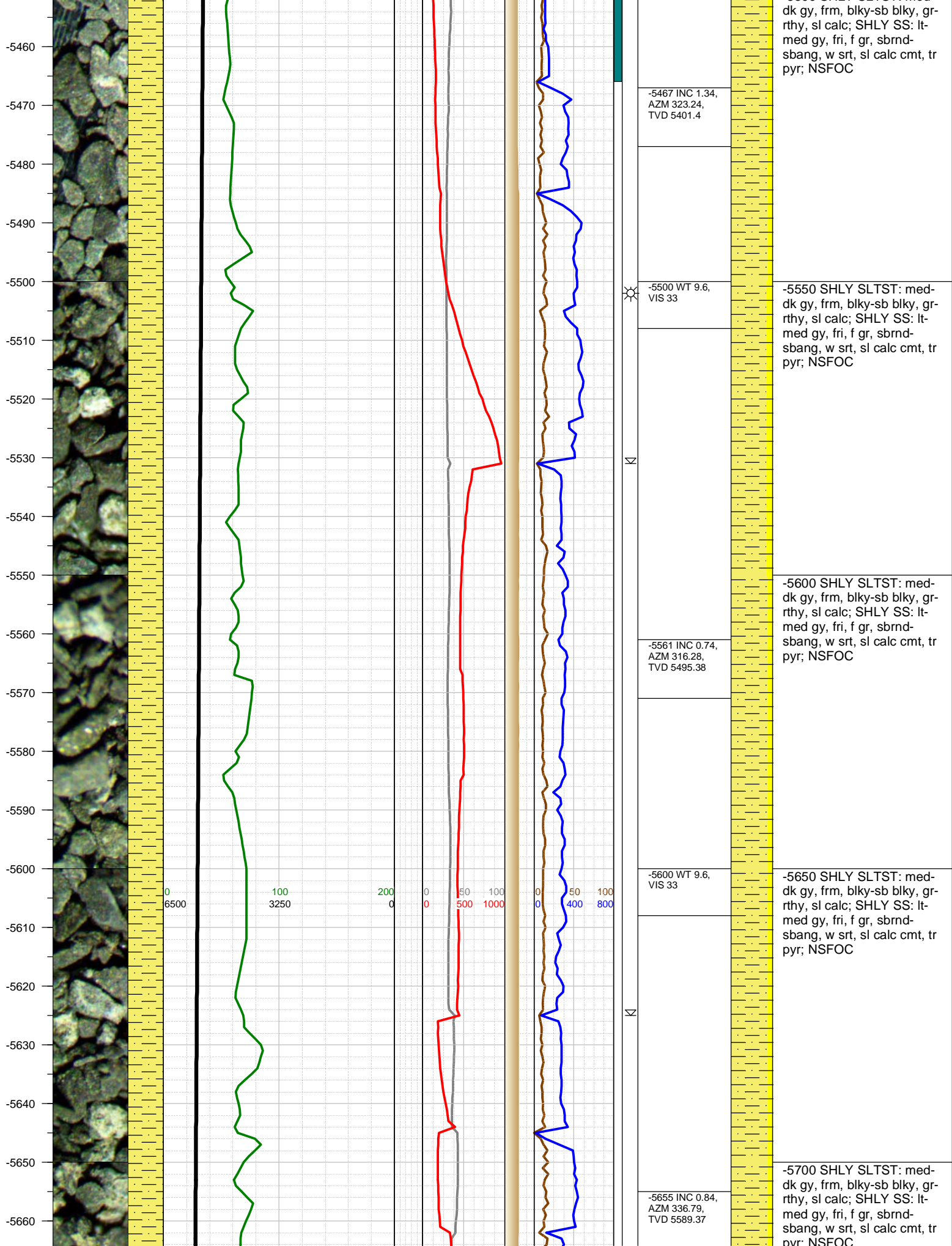
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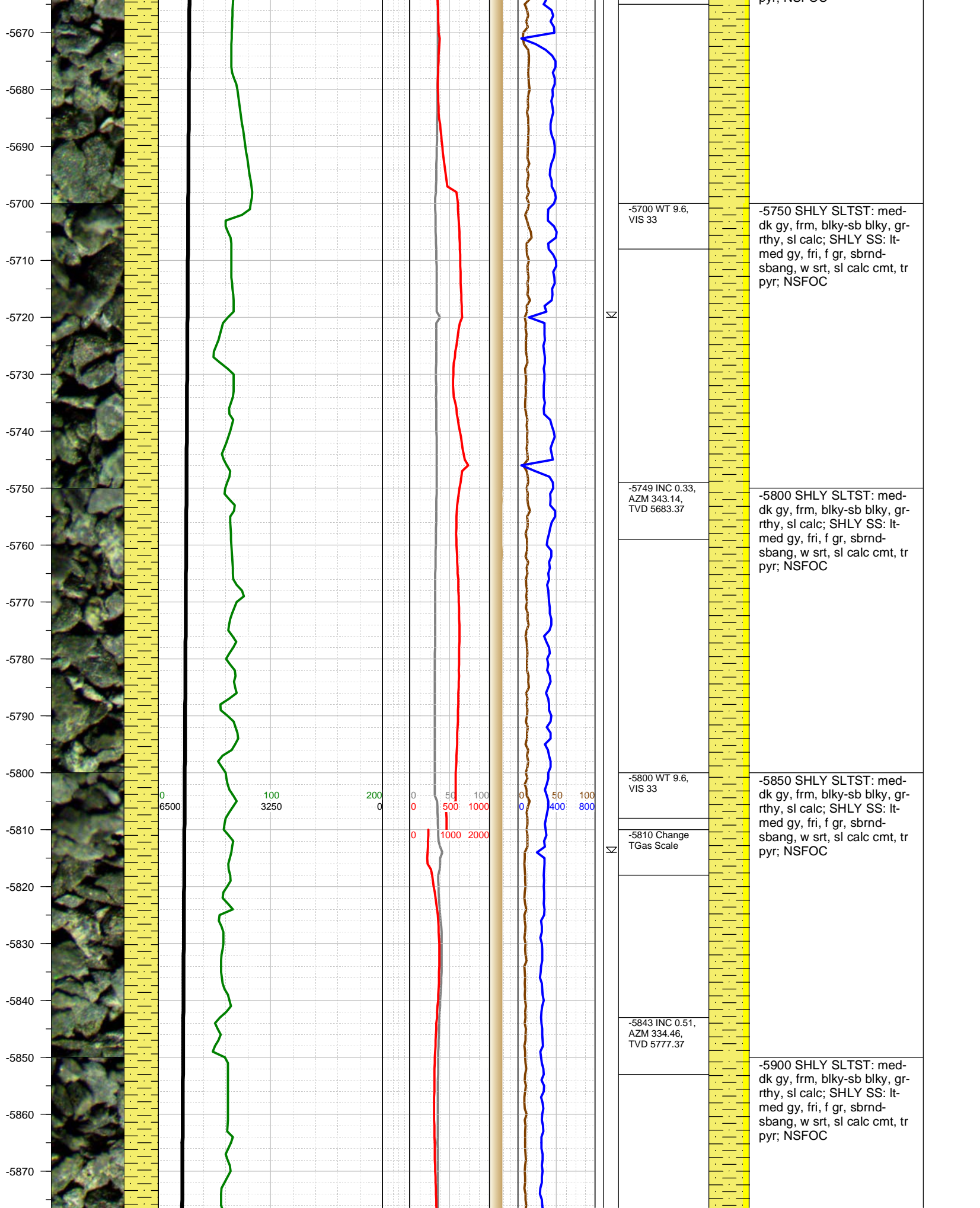
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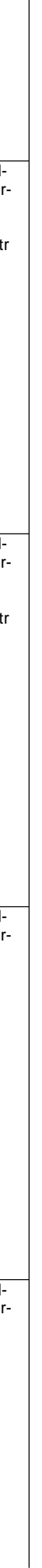
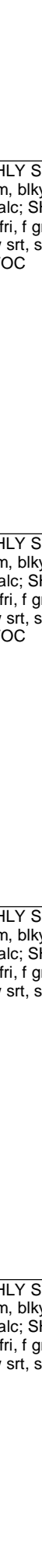
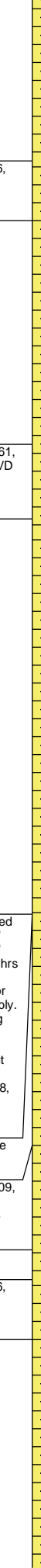
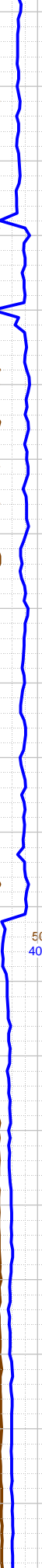
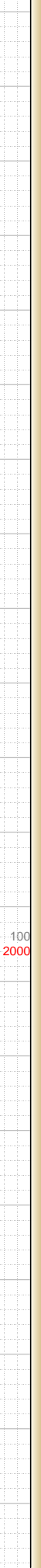
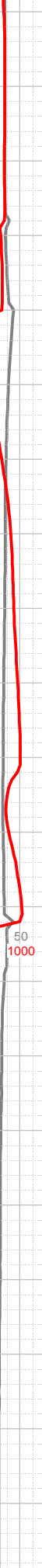
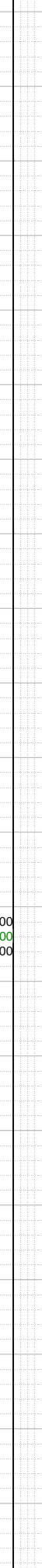
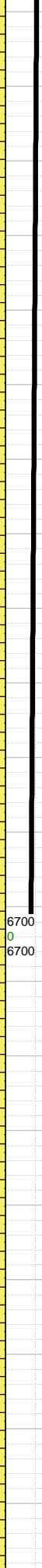
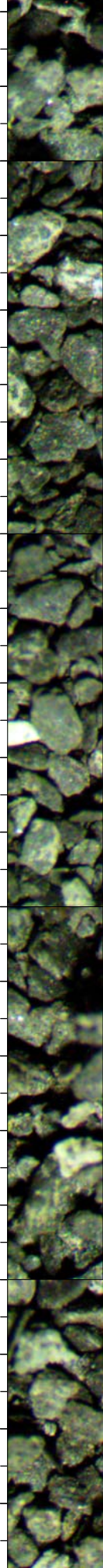
100
800







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-6080



-5900 WT 9.6,
VIS 33

-5950 SHLY SLTST: med-
dk gy, frm, blk-y-sb blk-y, gr-
rthy, sl calc; SHLY SS: lt-
med gy, fri, f gr, sbrnd-
sbang, w srt, sl calc cmt, tr
pyr; NSFOC

-5938 INC 0.61,
AZM 0.35, TVD
5872.36

-6000 SHLY SLTST: med-
dk gy, frm, blk-y-sb blk-y, gr-
rthy, sl calc; SHLY SS: lt-
med gy, fri, f gr, sbrnd-
sbang, w srt, sl calc cmt, tr
pyr; NSFOC

-6001 Reached
KOP at 6001'
MD, 5935.27'
TVD at 0530 hrs
on 9/24/2015
and TOO H for
curve assembly.
Began drilling
the curve at
1430 hrs on
9/24/2015. Bit
#3 - Smith
SDI611, 6 x18,
8.75"

-6050 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;
NSFOC

-6001 Change
TVD Scale

-6032 INC 5.09,
AZM 84.91,
TVD 5966.23

-6050 WT 9.6,
VIS 33

-6100 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;
NSFOC

6700
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6700

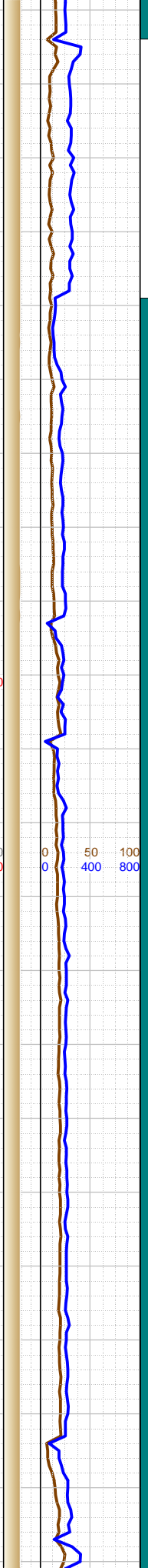
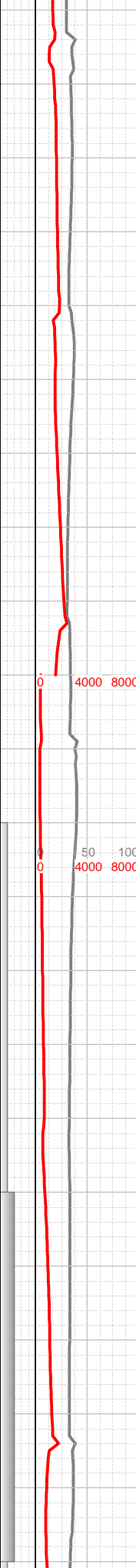
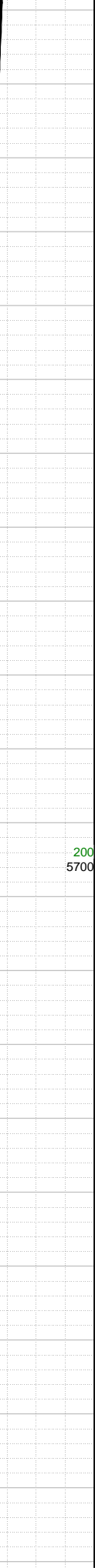
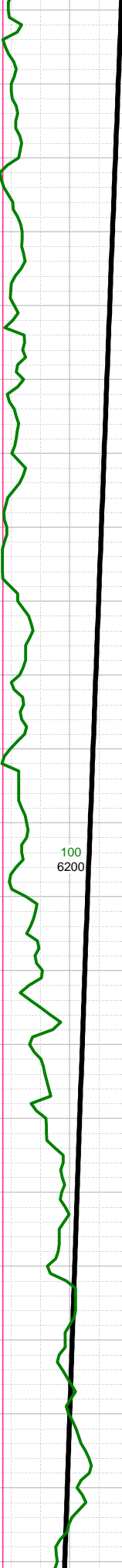
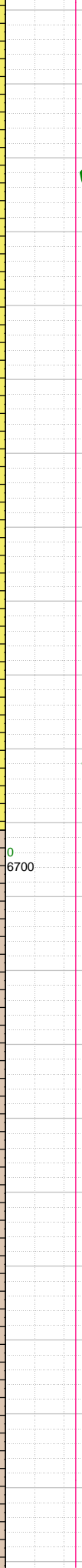
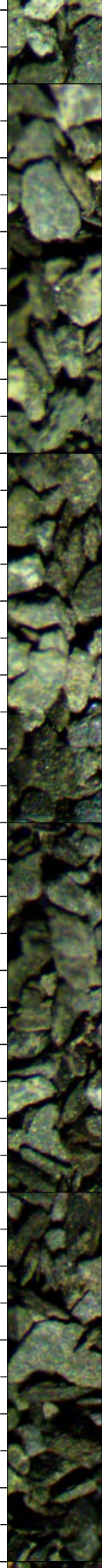
6200
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0 1000 2000

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0 400 800

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-6180
-6190
-6200
-6210
-6220
-6230
-6240
-6250
-6260
-6270
-6280
-6290
-6300



-6100 WT 9.7,
VIS 35

-6126 INC
12.59, AZM
87.46, TVD
6059.05

-6180 Change
TGas Scale

-6201 Top
Sharon Springs
Formation;
6130' TVD

-6221 INC
23.77, AZM
90.99, TVD
6149.17

-6240 WT 9.7,
VIS 35

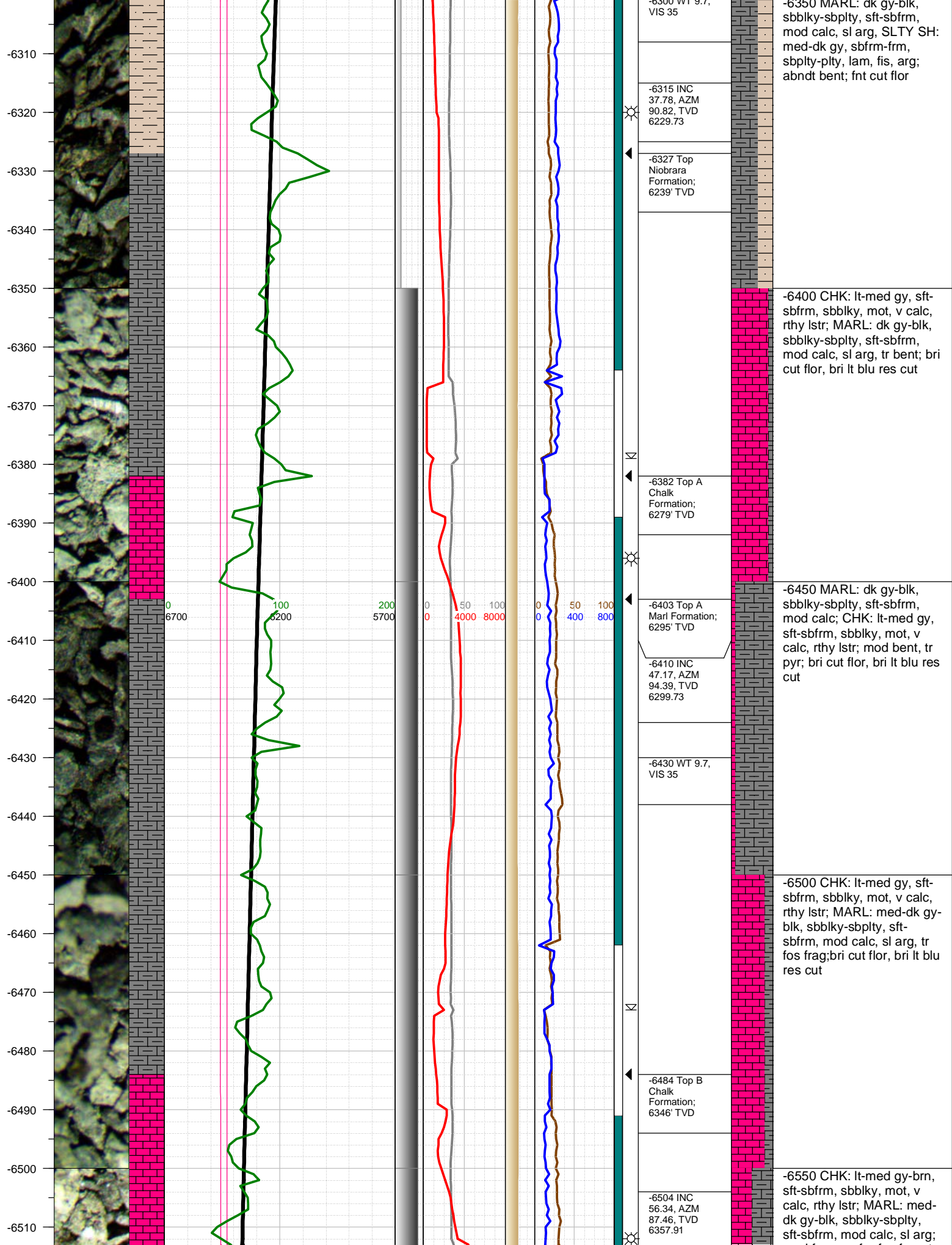
-6300 WT 9.7,
VIS 35

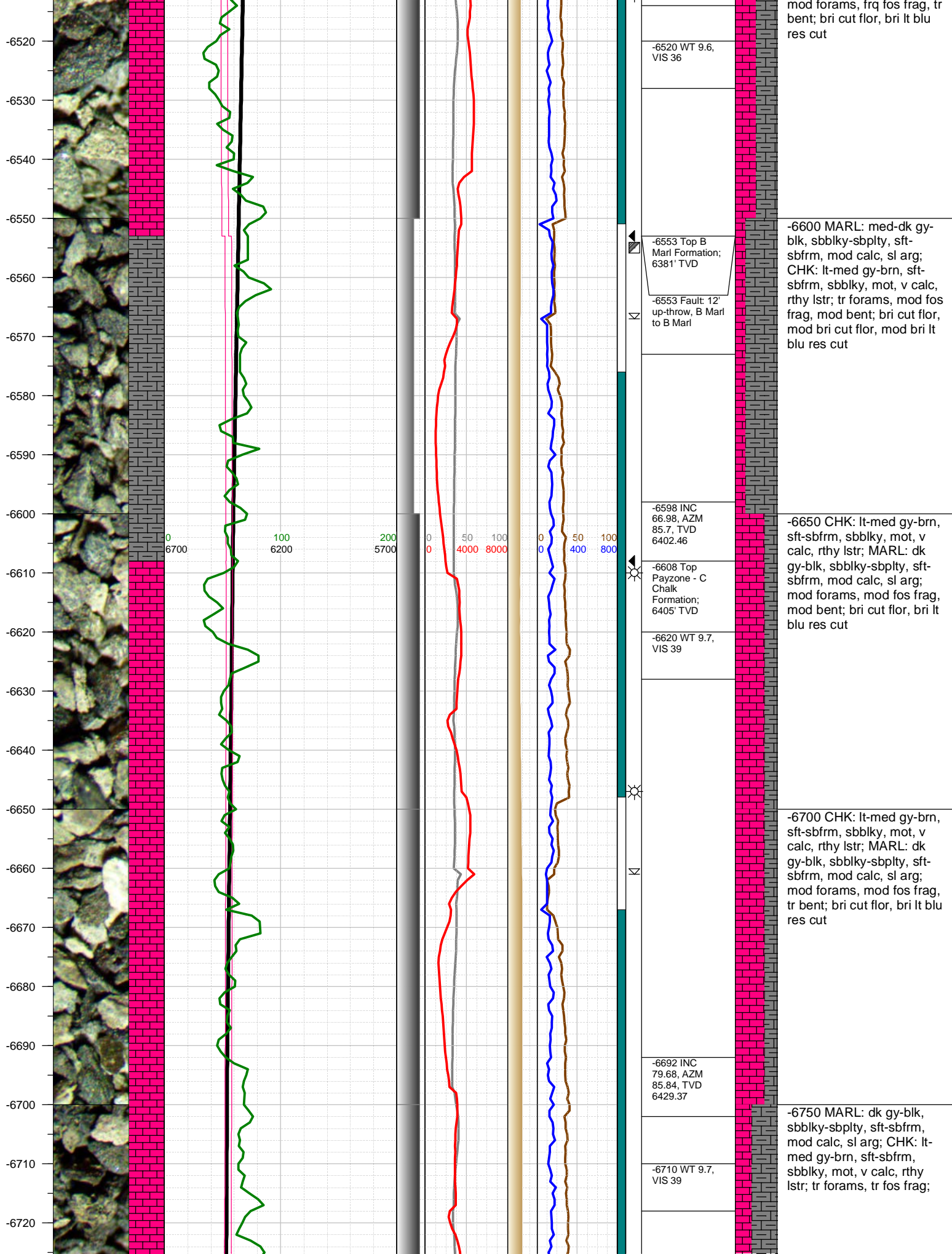
-6150 SHLY SLTST: med-
dk gy, frm, blk-sb blk, gr-
rthy, sl calc; SHLY SS: lt-
med gy, fri, f gr, sbrnd-
sbang, w srt, sl calc cmt;
NSFOC

-6200 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;
SLTY SH: med-dk gy,
sbfrm-frm, sbply-pty, lam,
fis, arg, sl calc; abndt bent;
tr fos frags; NSFOC

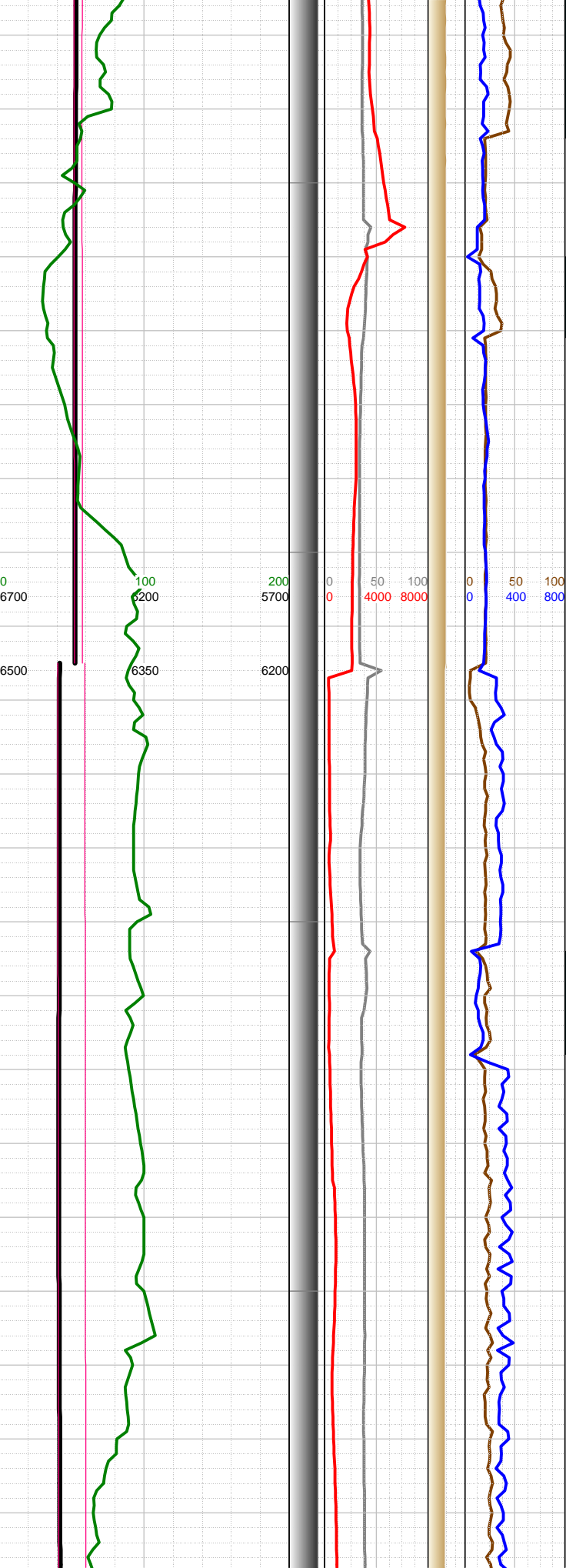
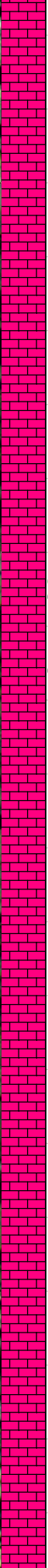
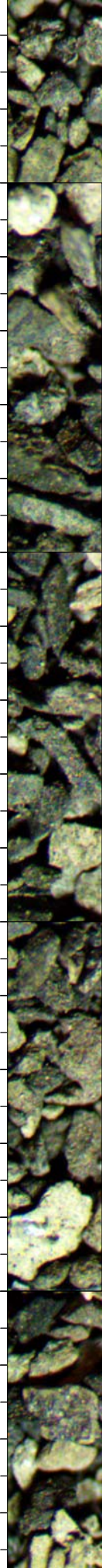
-6250 SLTY SH: med-dk
gy, sbfrm-frm, sbply-pty,
lam, fis, arg, sl calc; SHLY
SLTST: med gy, frm, blk-
sb blk, gr-rthy, abnt bent,
sl calc; fnt cut flor

-6300 SLTY SH: med-dk
gy, sbfrm-frm, sbply-pty,
lam, fis, arg, sl calc; abndt
bent; tr shly sltst; fair cut
flor, pale lt blu res cut





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-6890
-6900
-6910
-6920
-6930



-6753 INC
87.02, AZM
89.57, TVD
6436.44

-6800 WT 9.8,
VIS 39

-6815 Reached
landing point at
6815' MD,
6437.1' TVD at
2215 hrs on
9/24/2015;
Drilled out in the
lateral at 0300
hrs on
9/26/2015; Bit
#4 - Ulterra,
U513s, 5x18,
6.125"

-6815 Change
TVD Scale

-6815 0000 hrs
on 9/25/2015

-6815 0000 hrs
on 9/26/2015

-6888 INC
91.71, AZM
91.76, TVD
6437.94

-6900 WT 8.5,
VIS 28

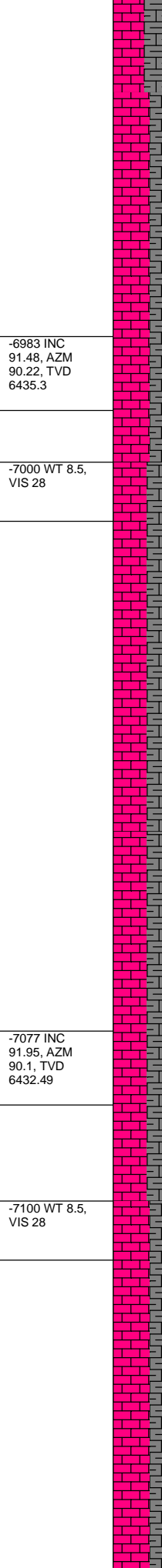
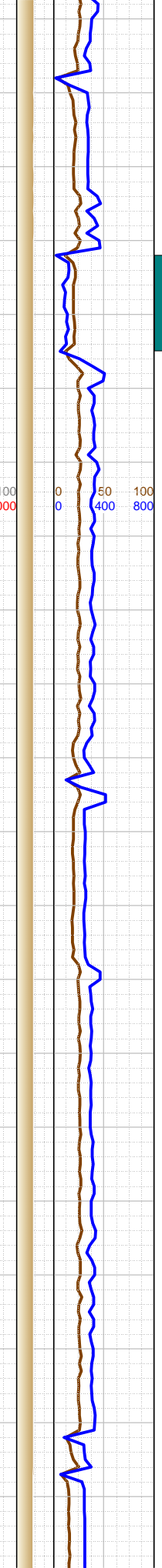
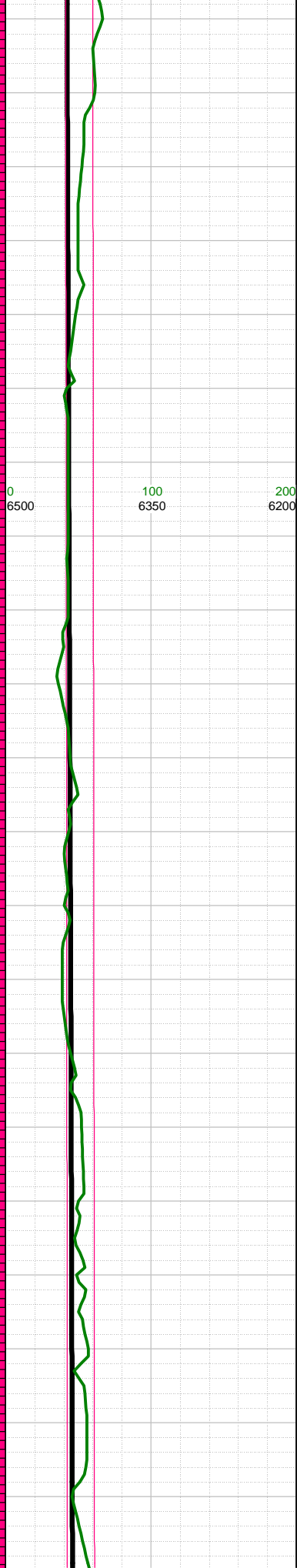
-6800 MARL: dk gy-blk,
sbbkly-sbplty, sft-sbfrm,
mod calc, sl arg; CHK: lt-
med gy-brn, sft-sbfrm,
sbbkly, mot, v calc, rthy
lstr; tr forams, tr fos frag;
bri cut flor, bri lt blu res cut

-6850 MARL: dk gy-blk,
sbbkly-sbplty, sft-sbfrm,
mod calc, sl arg; CHK: lt-
med gy-brn, sft-sbfrm,
sbbkly, mot, v calc, rthy
lstr; tr forams, tr fos frag;
bri cut flor, v bri lt blu res
cut

-6900 MARL: dk gy-blk,
sbbkly-sbplty, sft-sbfrm,
mod calc, sl arg; CHK: lt-
med gy-brn, sft-sbfrm,
sbbkly, mot, v calc, rthy
lstr; tr forams, tr fos frag;
bri cut flor, bri lt blu res cut

-6950 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
forams, tr fos frag, tr pyr;
bri cut flor, bri lt blu res cut

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-7000 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 forams, tr fos frag, tr pyr: bri cut flor, bri lt blu res cut

-6983 INC
91.48, AZM
90.22, TVD
6435.3

-7000 WT 8.5,
VIS 28

-7050 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; mod forams, tr fos frag, tr pyr: bri cut flor, bri lt blu res cut

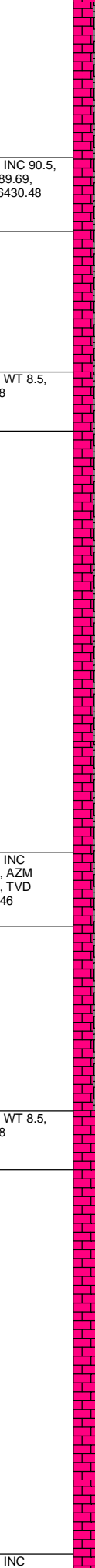
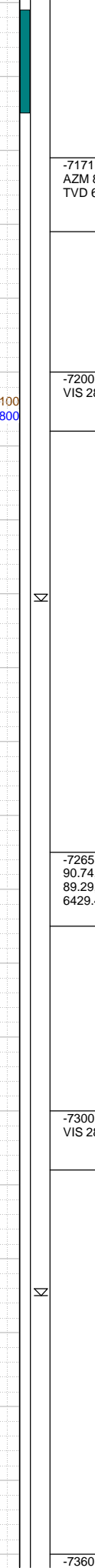
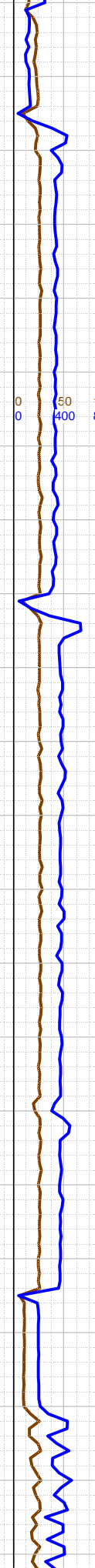
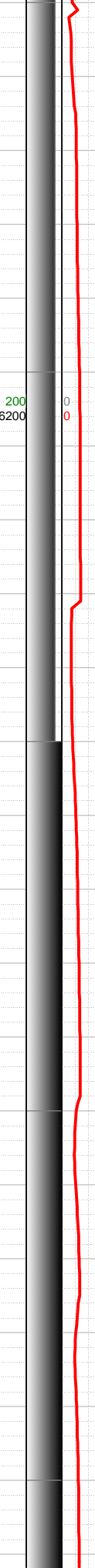
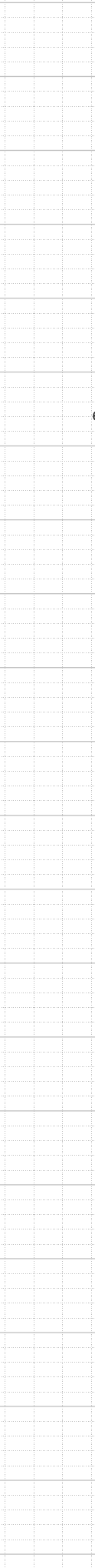
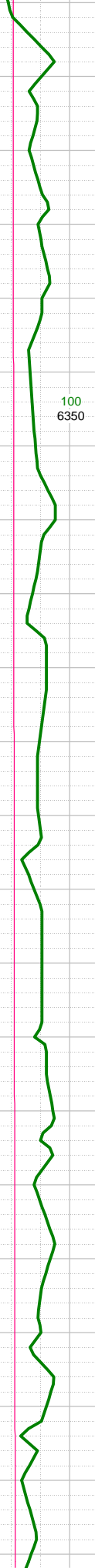
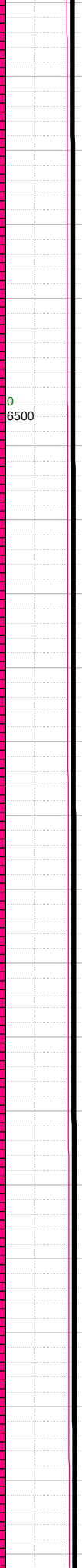
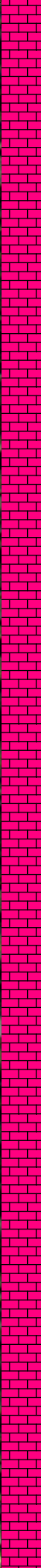
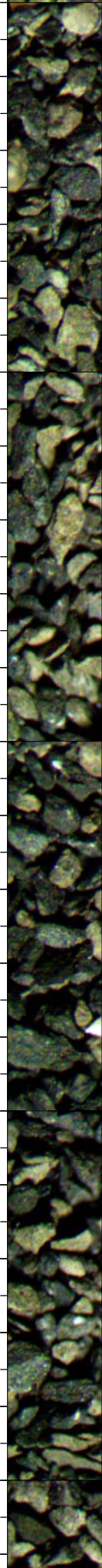
-7100 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag, tr pyr: bri cut flor, bri lt blu res cut

-7077 INC
91.95, AZM
90.1, TVD
6432.49

-7100 WT 8.5,
VIS 28

-7150 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; frq forams, tr fos frag, tr pyr: bri cut flor, bri lt blu res cut

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-7171 INC 90.5, AZM 89.69, TVD 6430.48

-7200 WT 8.5, VIS 28

-7265 INC 90.74, AZM 89.29, TVD 6429.46

-7300 WT 8.5, VIS 28

-7360 INC

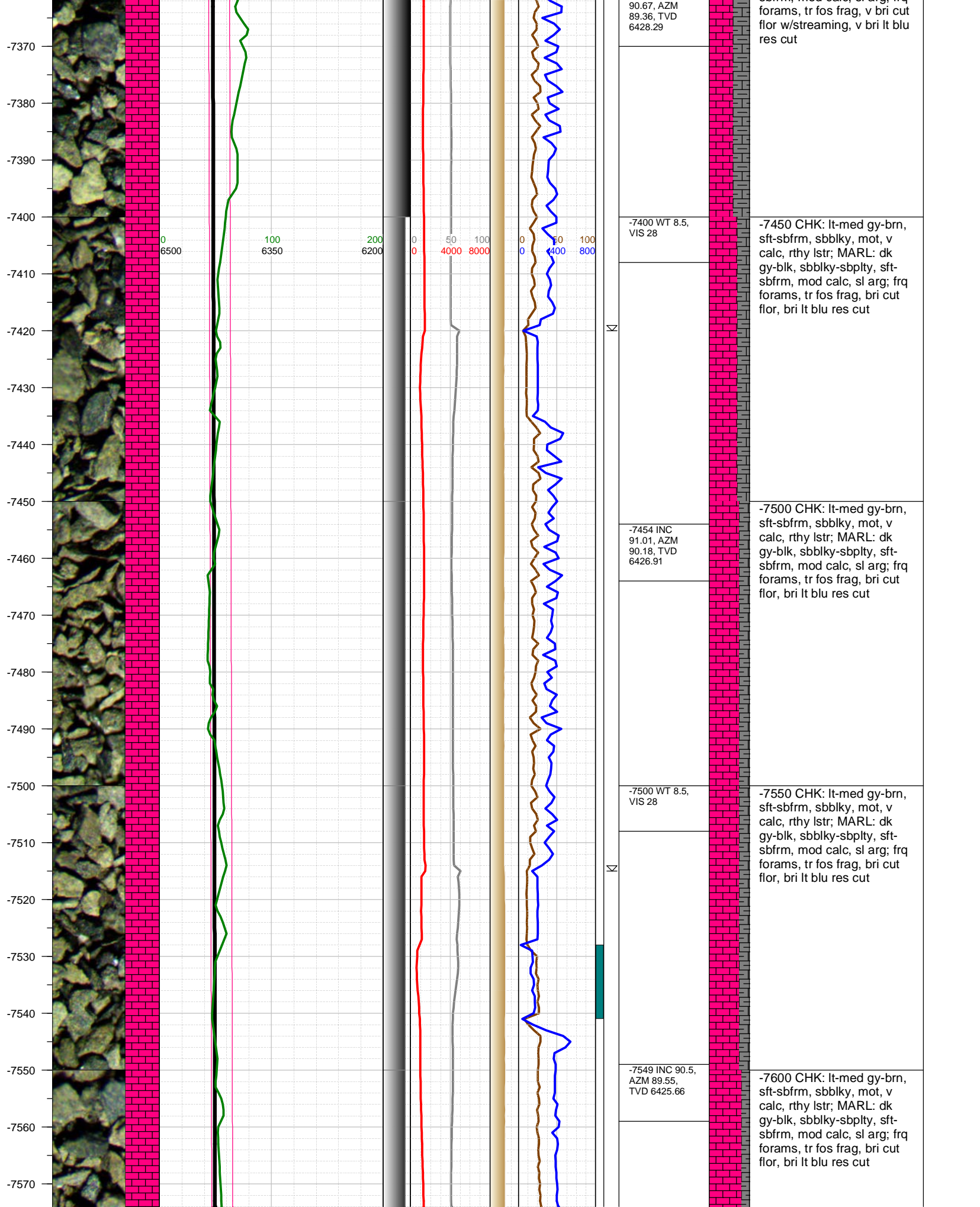
-7200 MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; frq forams, tr fos frag, tr pyr: bri cut flor, bri lt blu res cut

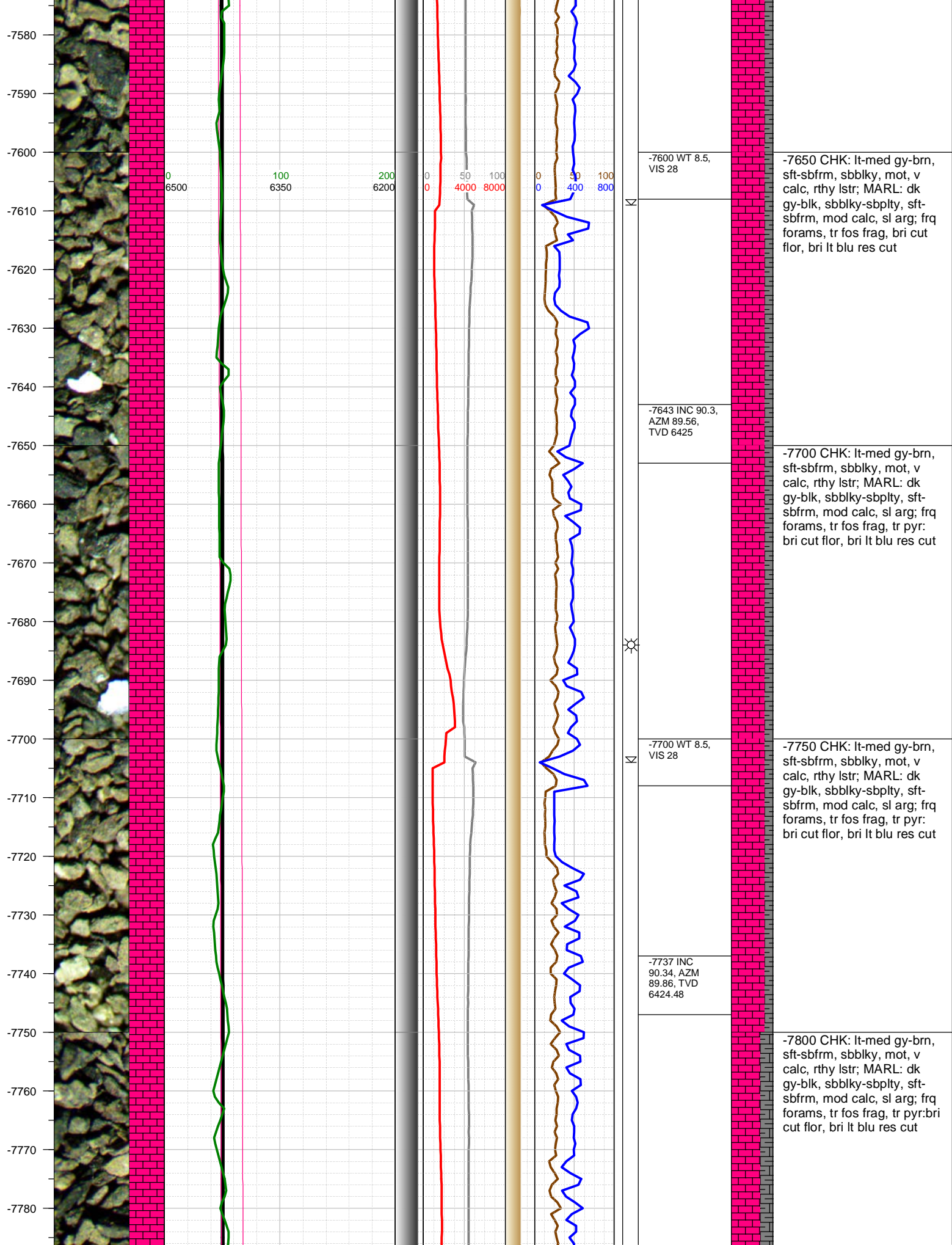
-7250 MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; frq forams, tr fos frag, tr pyr: bri cut flor, bri lt blu res cut

-7300 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; frq forams, tr fos frag, v bri cut flor w/streaming, v bri lt blu res cut

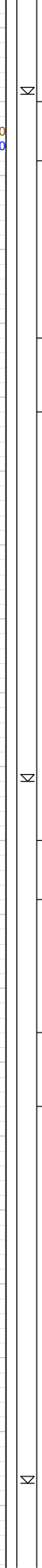
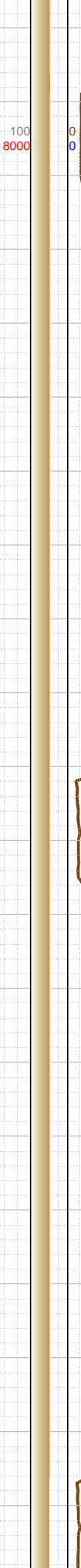
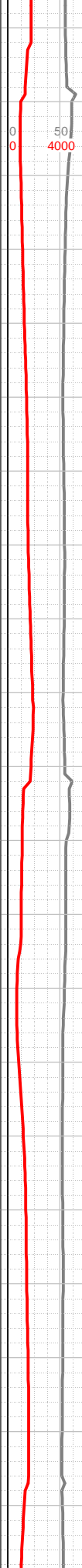
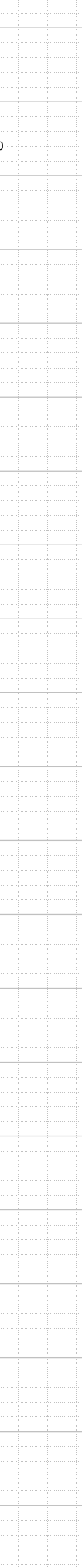
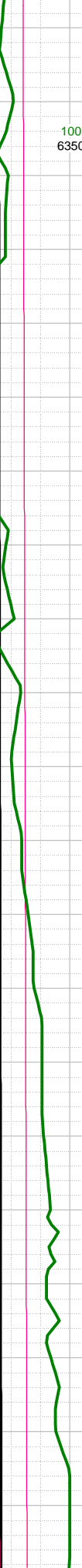
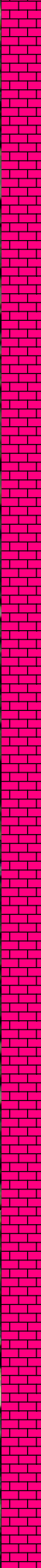
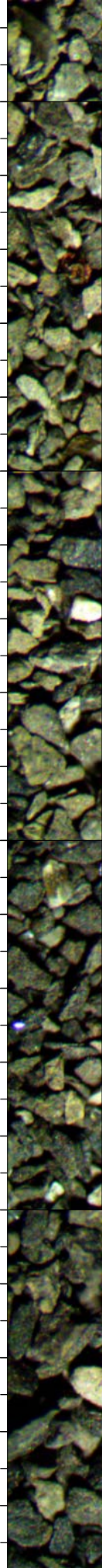
-7350 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; frq forams, tr fos frag, tr pyr: v bri cut flor w/streaming, v bri lt blu res cut

-7400 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl ara: fra

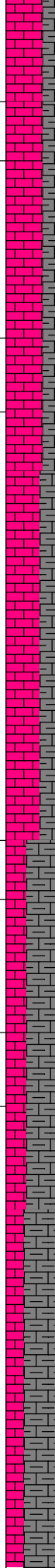




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-7800 WT 8.5, VIS 28
-7832 INC 90.47, AZM 89.61, TVD 6423.81
-7900 WT 8.5, VIS 28
-7926 INC 91.14, AZM 90, TVD 6422.49



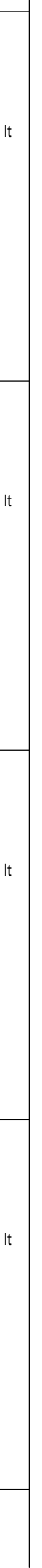
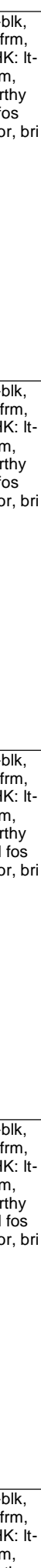
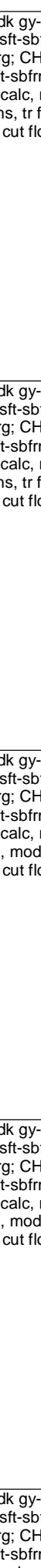
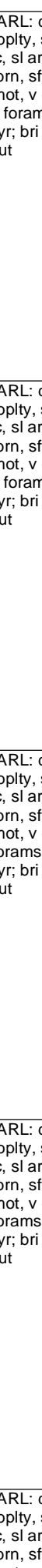
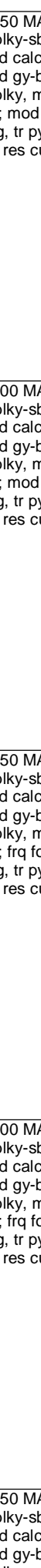
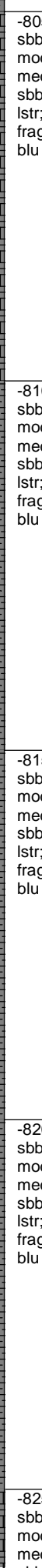
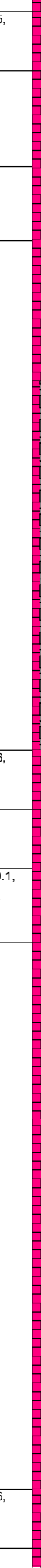
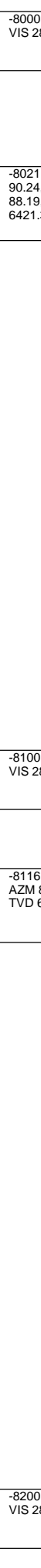
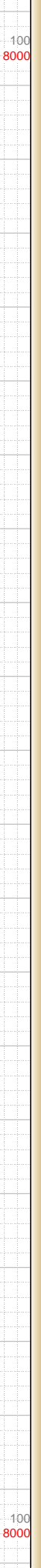
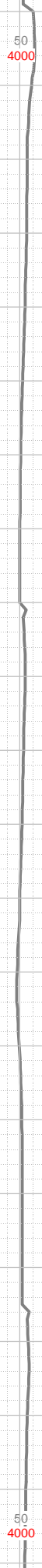
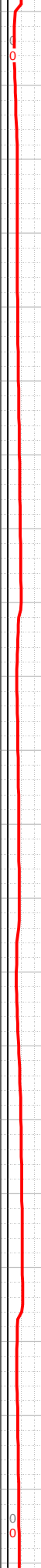
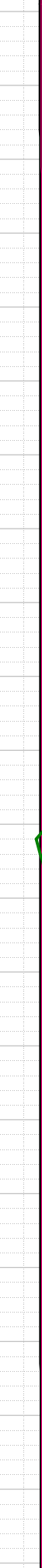
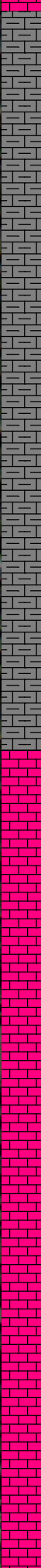
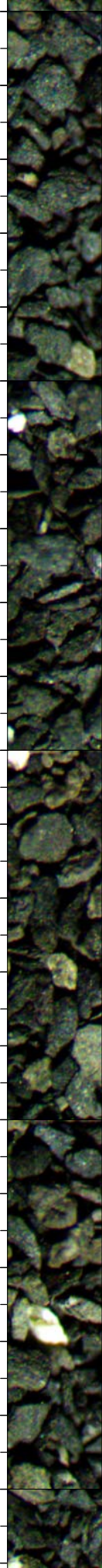
-7850 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; frq forams, tr fos frag, tr pyr;bri cut flor, bri lt blu res cut

-7900 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; mod forams, tr fos frag, tr pyr;bri cut flor, bri lt blu res cut

-7950 MARL: dk gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; mod forams, tr fos frag, bri cut flor, bri lt blu res cut

-8000 MARL: dk gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; mod forams, tr fos frag, tr pyr; bri cut flor w/streaming, bri lt blu res cut

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-8000 WT 8.5,
VIS 28

-8021 INC
90.24, AZM
88.19, TVD
6421.35

-8100 WT 8.6,
VIS 28

-8116 INC 90.1,
AZM 88.36,
TVD 6421.07

-8200 WT 8.6,
VIS 28

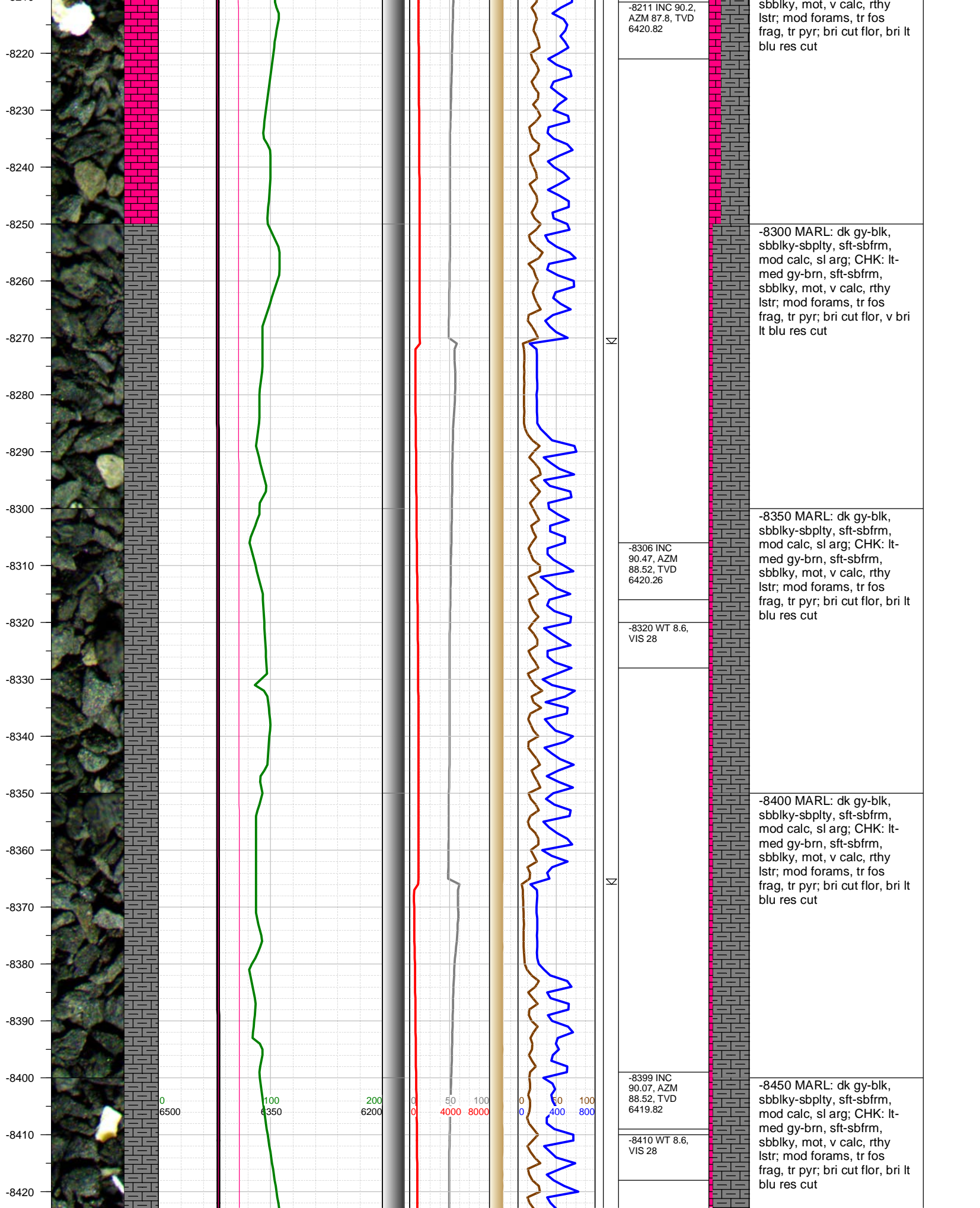
-8050 MARL: dk gy-blk,
sbbly-sbply, sft-sbfrm,
mod calc, sl arg; CHK: lt-
med gy-brn, sft-sbfrm,
sbbly, mot, v calc, rthy
lstr; mod forams, tr fos
frag, tr pyr; bri cut flor, bri lt
blu res cut

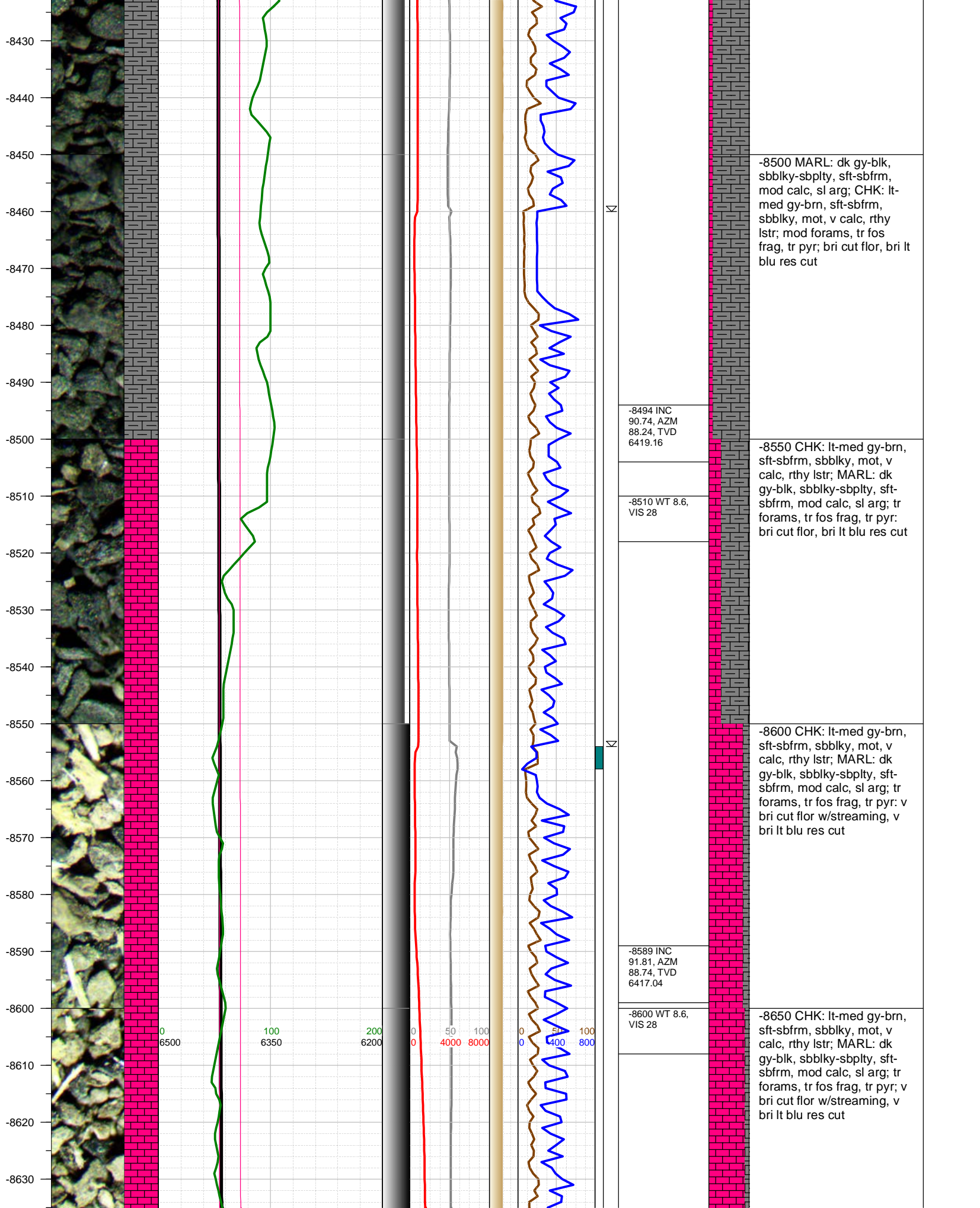
-8100 MARL: dk gy-blk,
sbbly-sbply, sft-sbfrm,
mod calc, sl arg; CHK: lt-
med gy-brn, sft-sbfrm,
sbbly, mot, v calc, rthy
lstr; mod forams, tr fos
frag, tr pyr; bri cut flor, bri lt
blu res cut

-8150 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; frq forams, mod fos
frag, tr pyr; bri cut flor, bri lt
blu res cut

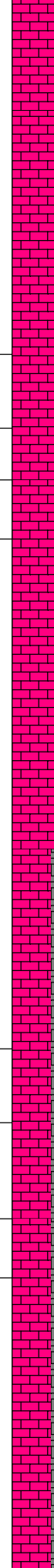
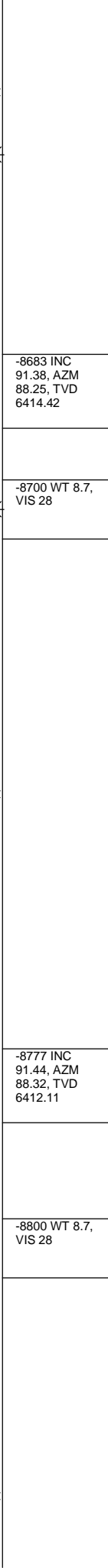
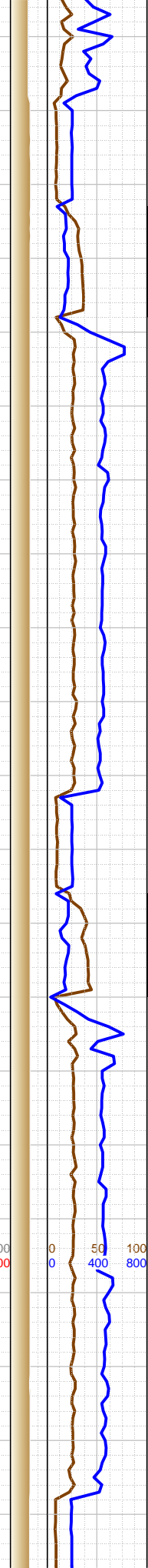
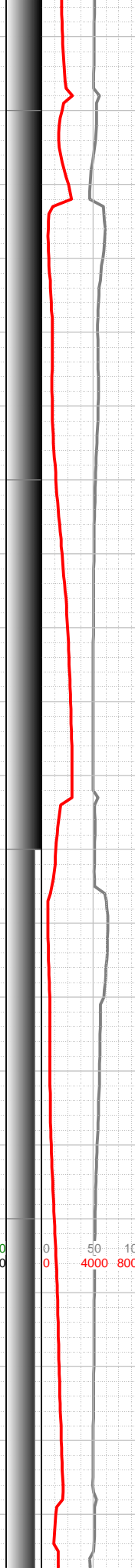
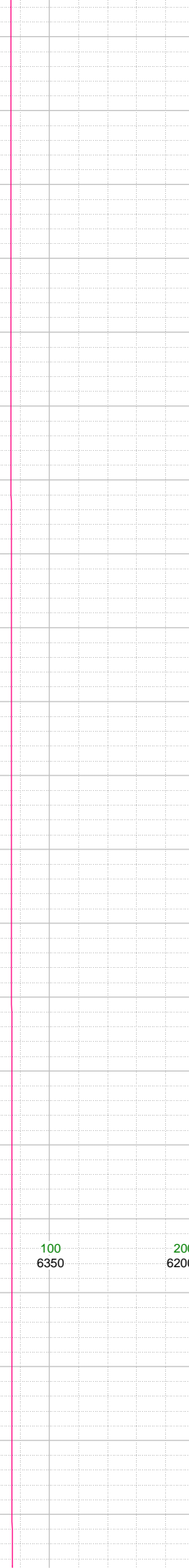
-8200 MARL: dk gy-blk,
sbbly-sbply, sft-sbfrm,
mod calc, sl arg; CHK: lt-
med gy-brn, sft-sbfrm,
sbbly, mot, v calc, rthy
lstr; frq forams, mod fos
frag, tr pyr; bri cut flor, bri lt
blu res cut

-8250 MARL: dk gy-blk,
sbbly-sbply, sft-sbfrm,
mod calc, sl arg; CHK: lt-
med gy-brn, sft-sbfrm,





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-8683 INC
91.38, AZM
88.25, TVD
6414.42

-8700 WT 8.7,
VIS 28

-8777 INC
91.44, AZM
88.32, TVD
6412.11

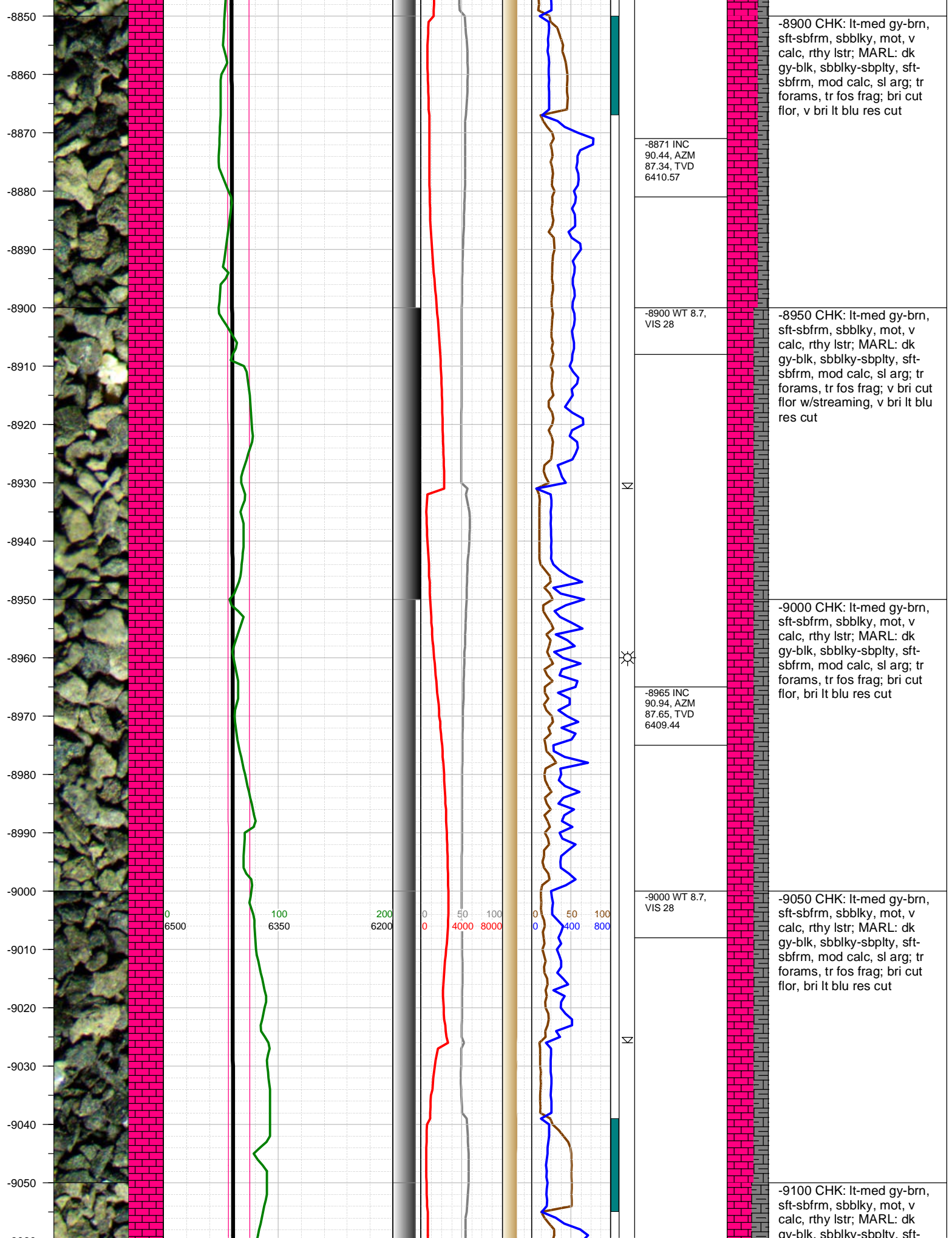
-8800 WT 8.7,
VIS 28

-8700 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag, tr pyr; v bri cut flor w/streaming, v bri lt blu res cut

-8750 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag, tr pyr; v bri cut flor w/streaming, v bri lt blu res cut

-8800 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; bri cut flor, v bri lt blu res cut

-8850 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; bri cut flor, v bri lt blu res cut



-8900 CHK: It-med gy-brn, sft-sbfrm, sbbiky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbiky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; bri cut flor, v bri lt blu res cut

-8871 INC
90.44, AZM
87.34, TVD
6410.57

-8900 WT 8.7,
VIS 28

-8950 CHK: It-med gy-brn, sft-sbfrm, sbbiky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbiky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

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-8965 INC
90.94, AZM
87.65, TVD
6409.44

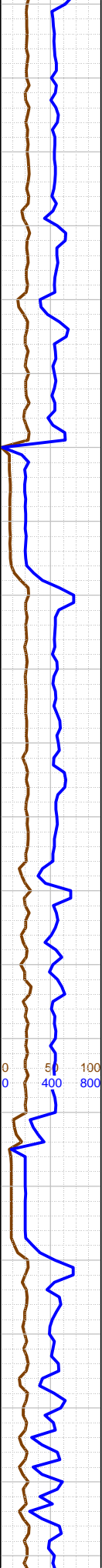
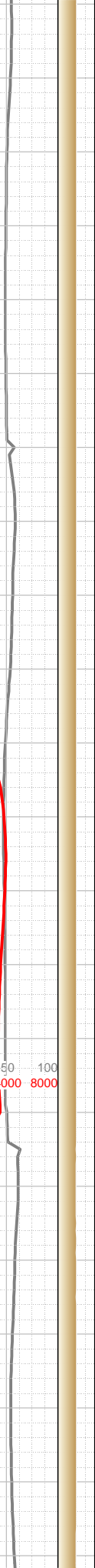
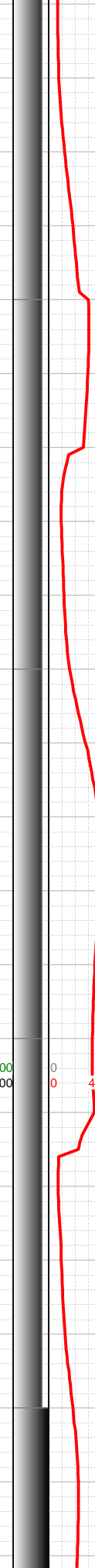
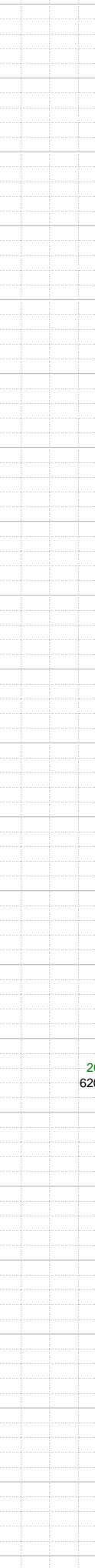
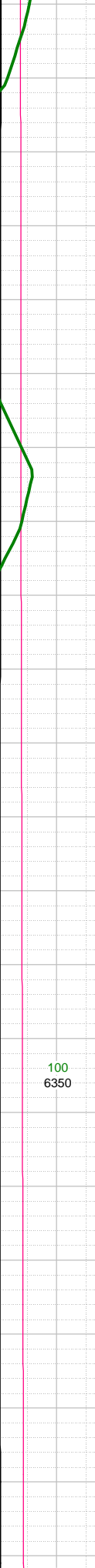
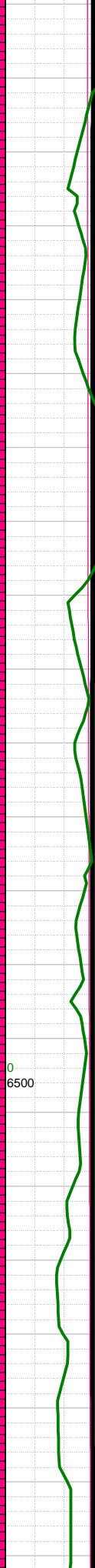
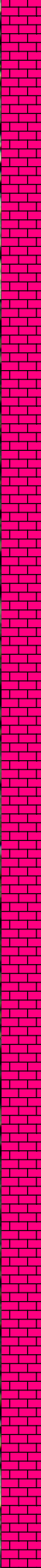
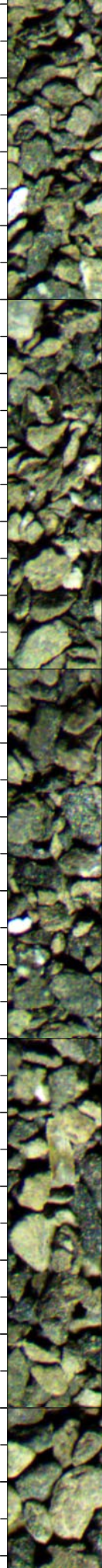
-9000 WT 8.7,
VIS 28

-9050 CHK: It-med gy-brn, sft-sbfrm, sbbiky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbiky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; bri cut flor, bri lt blu res cut

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-9100 CHK: It-med gy-brn, sft-sbfrm, sbbiky, mot, v calc, rthy lstr; MARL: dk av-blk, sbbiky-sbplty, sft-

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-9060 INC 89.46, AZM 87.06, TVD 6409.11
-9100 WT 8.7, VIS 28
-9155 INC 89.77, AZM 87.26, TVD 6409.75
-9200 WT 8.7, VIS 29
-9249 INC 90.2, AZM 88.07, TVD 6409.77

sbfrfm, mod calc, sl arg; tr
forams, tr fos frag; bri cut
flor, bri lt blu res cut

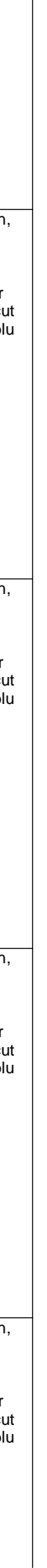
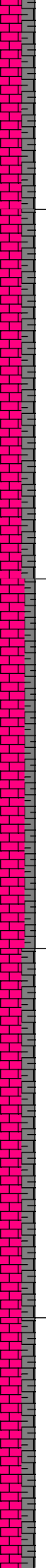
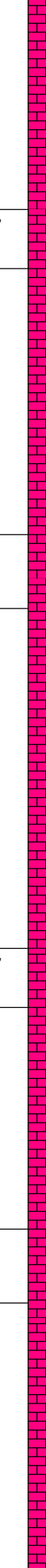
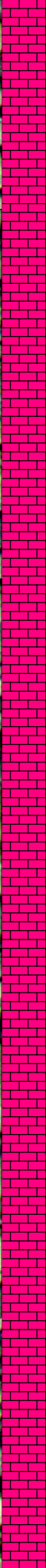
-9150 CHK: lt-med gy-brn,
sft-sbfrfm, sbbkly, mot, v
calc, rthy lstr; MARL: dk
gy-blk, sbbkly-sbplty, sft-
sbfrfm, mod calc, sl arg; tr
forams, tr fos frag; bri cut
flor, bri lt blu res cut

-9200 CHK: lt-med gy-brn,
sft-sbfrfm, sbbkly, mot, v
calc, rthy lstr; MARL: dk
gy-blk, sbbkly-sbplty, sft-
sbfrfm, mod calc, sl arg; tr
forams, tr fos frag; bri cut
flor, bri lt blu res cut

-9250 CHK: lt-med gy-brn,
sft-sbfrfm, sbbkly, mot, v
calc, rthy lstr; MARL: dk
gy-blk, sbbkly-sbplty, sft-
sbfrfm, mod calc, sl arg; tr
forams, tr fos frag; bri cut
flor, bri lt blu res cut

-9300 CHK: lt-med gy-brn,
sft-sbfrfm, sbbkly, mot, v
calc, rthy lstr; MARL: dk
gy-blk, sbbkly-sbplty, sft-
sbfrfm, mod calc, sl arg; tr
forams, tr fos frag; v bri cut
flor w/streaming, v bri lt blu
res cut

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-9300 WT 8.7,
VIS 28

-9344 INC
90.77, AZM
87.28, TVD
6408.96

-9400 WT 8.7,
VIS 28

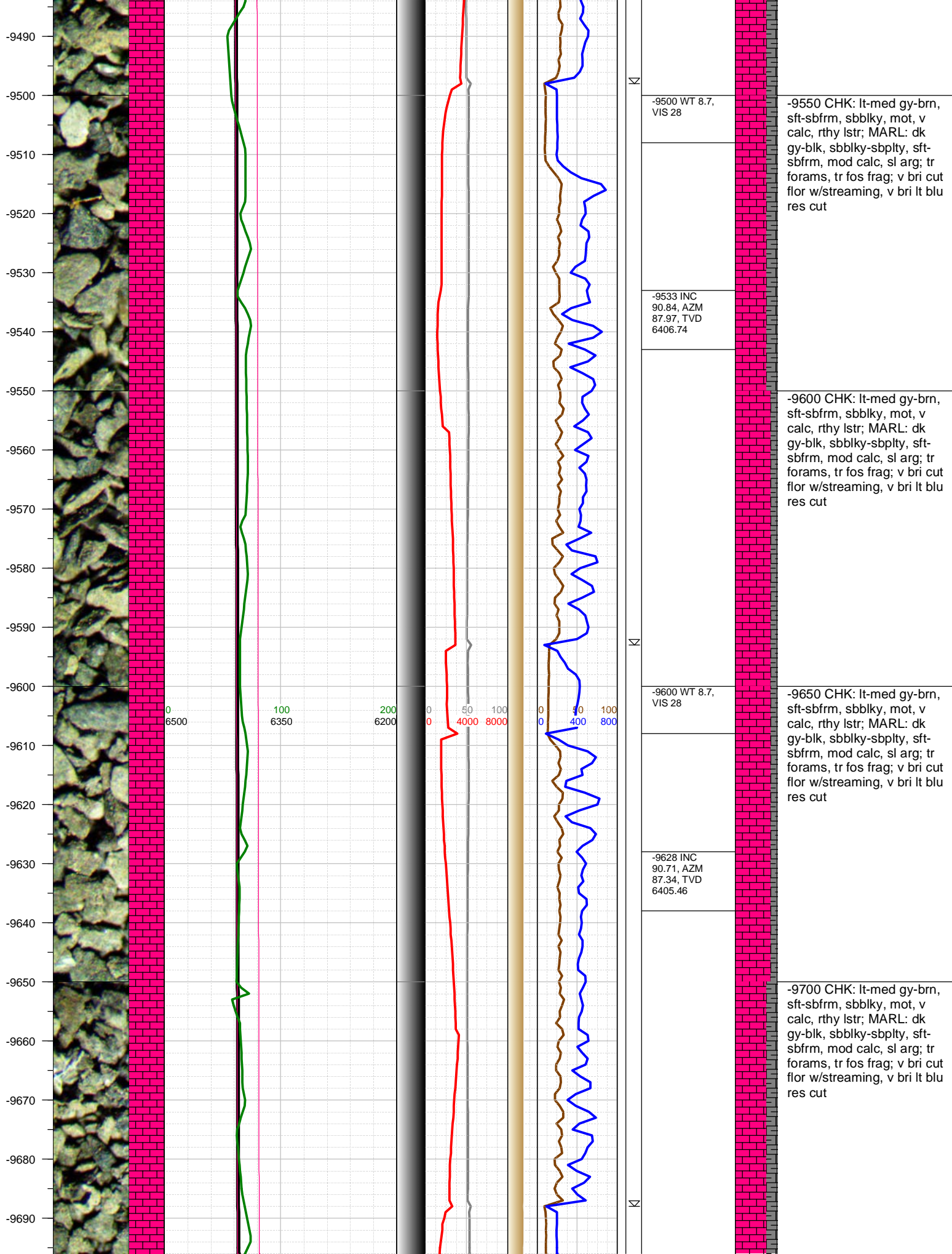
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87.81, TVD
6407.89

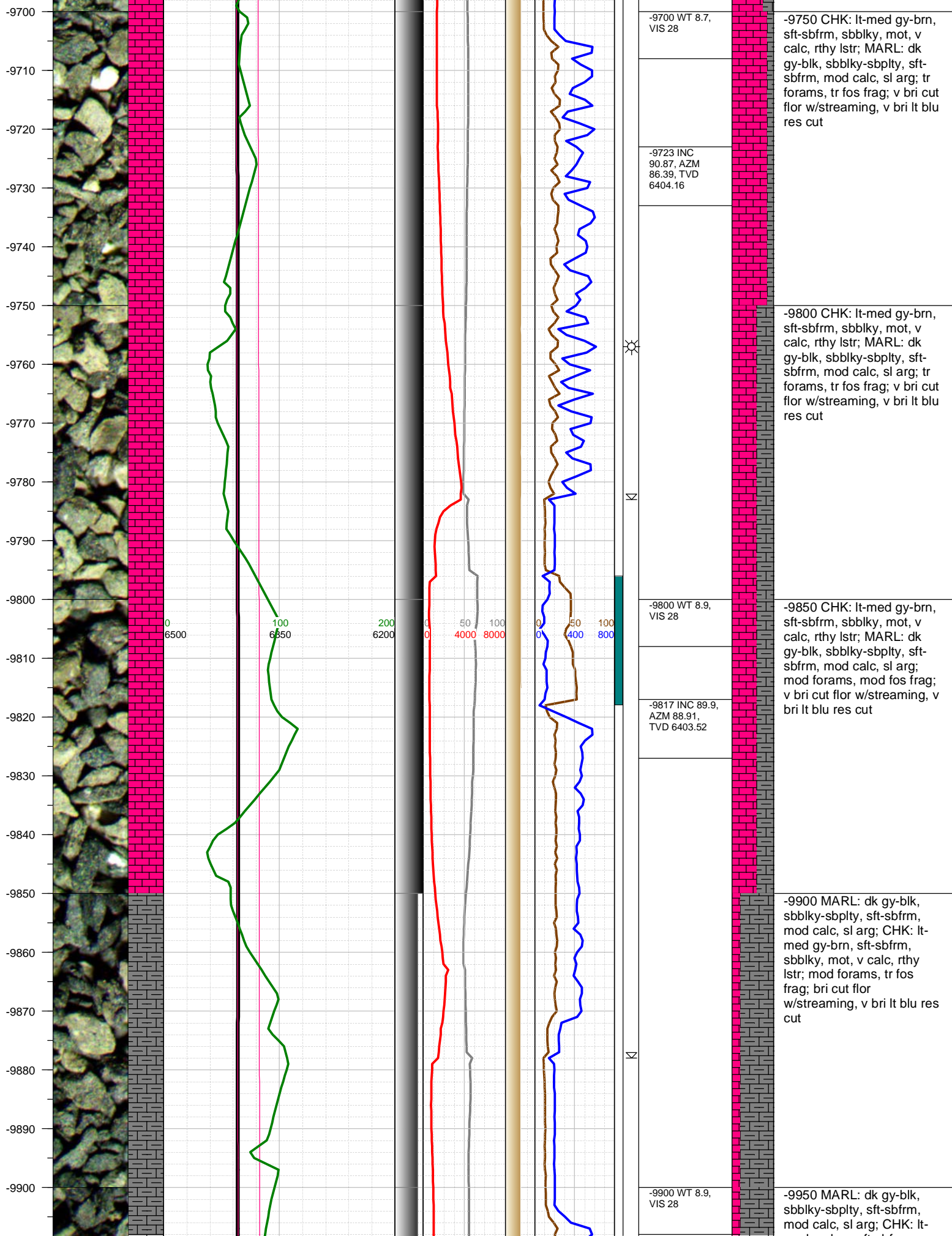
-9350 CHK: lt-med gy-brn,
sft-sbfrm, sbbkly, mot, v
calc, rthy lstr; MARL: dk
gy-blk, sbbkly-sbplty, sft-
sbfrm, mod calc, sl arg; tr
forams, tr fos frag; v bri cut
flor w/streaming, v bri lt blu
res cut

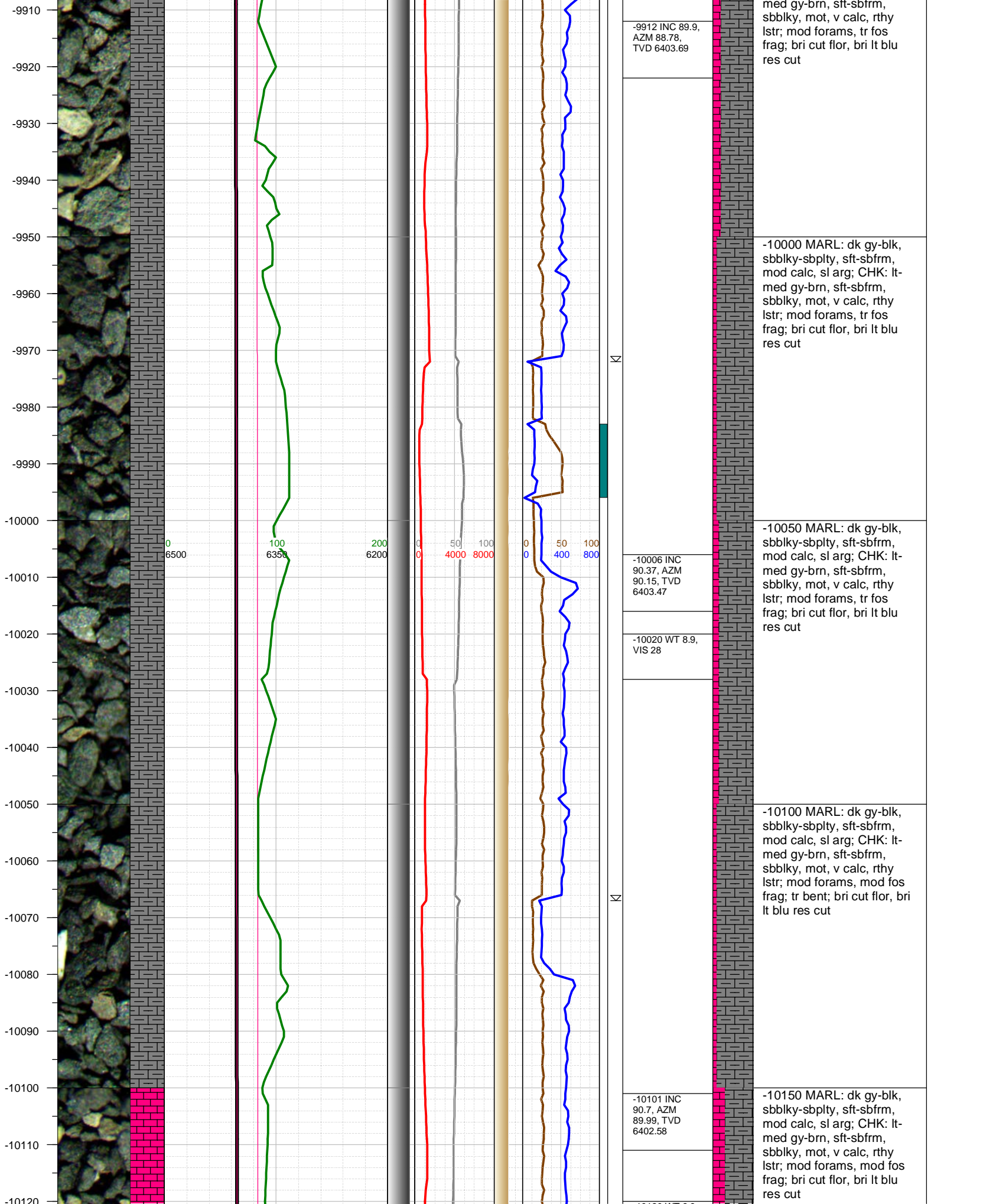
-9400 CHK: lt-med gy-brn,
sft-sbfrm, sbbkly, mot, v
calc, rthy lstr; MARL: dk
gy-blk, sbbkly-sbplty, sft-
sbfrm, mod calc, sl arg; tr
forams, tr fos frag; v bri cut
flor w/streaming, v bri lt blu
res cut

-9450 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
forams, tr fos frag; v bri cut
flor w/streaming, v bri lt blu
res cut

-9500 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
forams, tr fos frag; v bri cut
flor w/streaming, v bri lt blu
res cut







-9912 INC 89.9,
AZM 88.78,
TVD 6403.69

med gy-brn, sft-sbfrm,
sbbkly, mot, v calc, rthy
lstr; mod forams, tr fos
frag; bri cut flor, bri lt blu
res cut

-10000 MARL: dk gy-blk,
sbbkly-sbplty, sft-sbfrm,
mod calc, sl arg; CHK: lt-
med gy-brn, sft-sbfrm,
sbbkly, mot, v calc, rthy
lstr; mod forams, tr fos
frag; bri cut flor, bri lt blu
res cut

-10006 INC
90.37, AZM
90.15, TVD
6403.47

-10050 MARL: dk gy-blk,
sbbkly-sbplty, sft-sbfrm,
mod calc, sl arg; CHK: lt-
med gy-brn, sft-sbfrm,
sbbkly, mot, v calc, rthy
lstr; mod forams, tr fos
frag; bri cut flor, bri lt blu
res cut

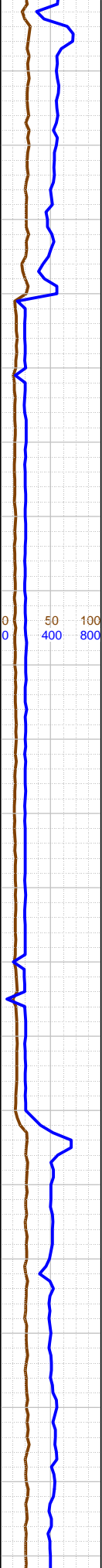
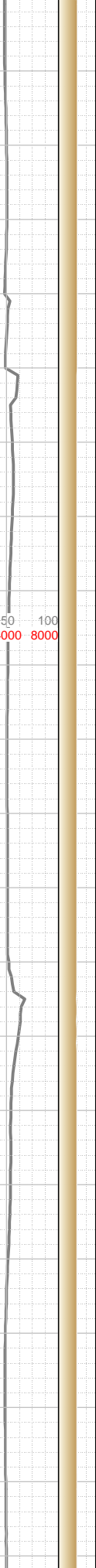
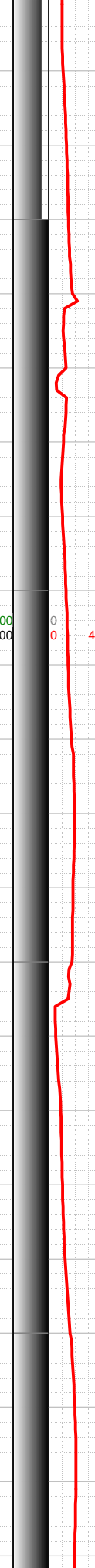
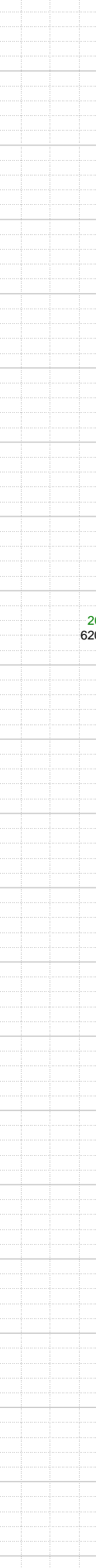
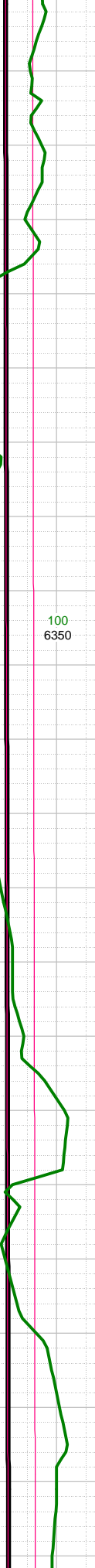
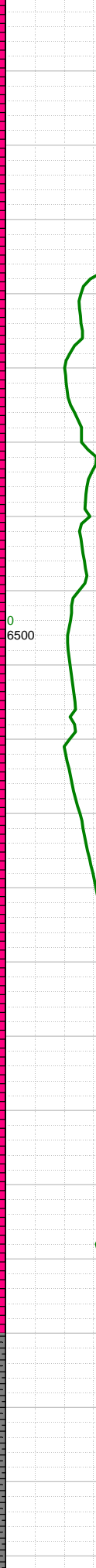
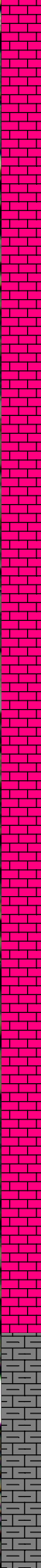
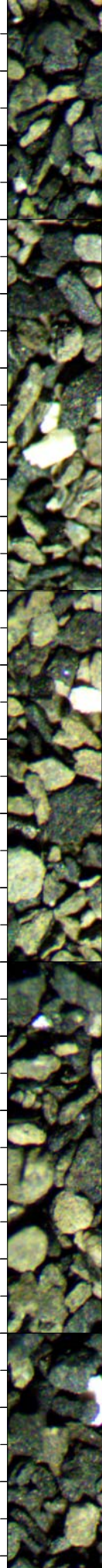
-10020 WT 8.9,
VIS 28

-10100 MARL: dk gy-blk,
sbbkly-sbplty, sft-sbfrm,
mod calc, sl arg; CHK: lt-
med gy-brn, sft-sbfrm,
sbbkly, mot, v calc, rthy
lstr; mod forams, mod fos
frag; tr bent; bri cut flor, bri
lt blu res cut

-10101 INC
90.7, AZM
89.99, TVD
6402.58

-10150 MARL: dk gy-blk,
sbbkly-sbplty, sft-sbfrm,
mod calc, sl arg; CHK: lt-
med gy-brn, sft-sbfrm,
sbbkly, mot, v calc, rthy
lstr; mod forams, mod fos
frag; bri cut flor, bri lt blu
res cut

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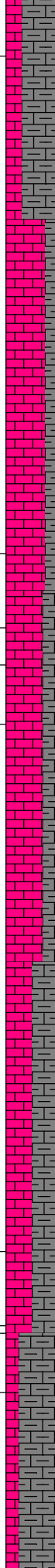
-10120 WT 8.9, VIS 28

-10195 INC
90.67, AZM
90.08, TVD
6401.45

-10210 WT
8.98, VIS 28

-10289 INC
90.97, AZM
90.02, TVD
6400.1

-10300 WT
8.98, VIS 28



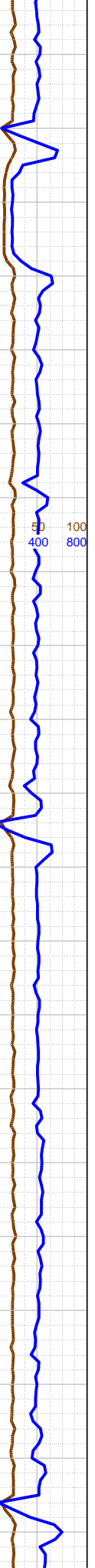
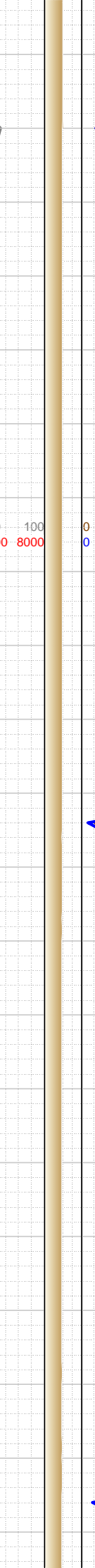
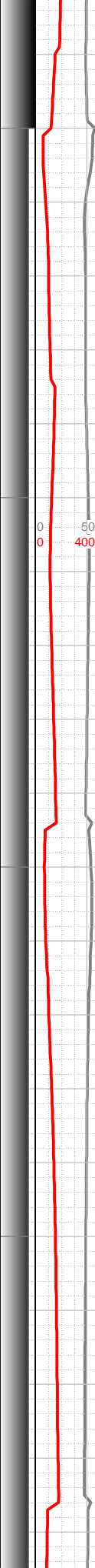
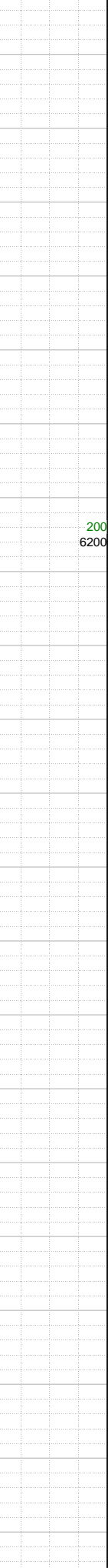
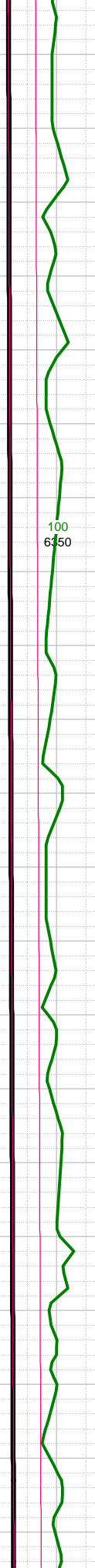
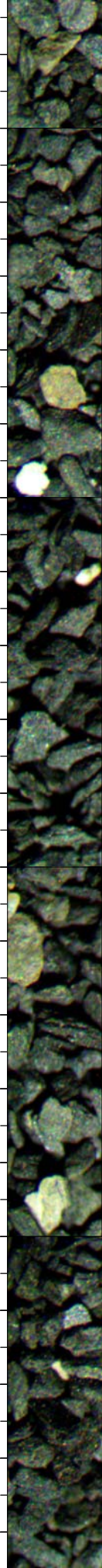
-10200 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; frq forams, mod fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-10250 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; frq forams, mod fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-10300 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, mod fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-10350 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; mod forams, mod fos frag; v bri cut flor w/streaming, v bri lt blu res cut

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-10384 INC
91.18, AZM
90.49, TVD
6398.32

-10400 WT
8.98, VIS 28

-10476 INC
91.91, AZM
90.42, TVD
6395.84

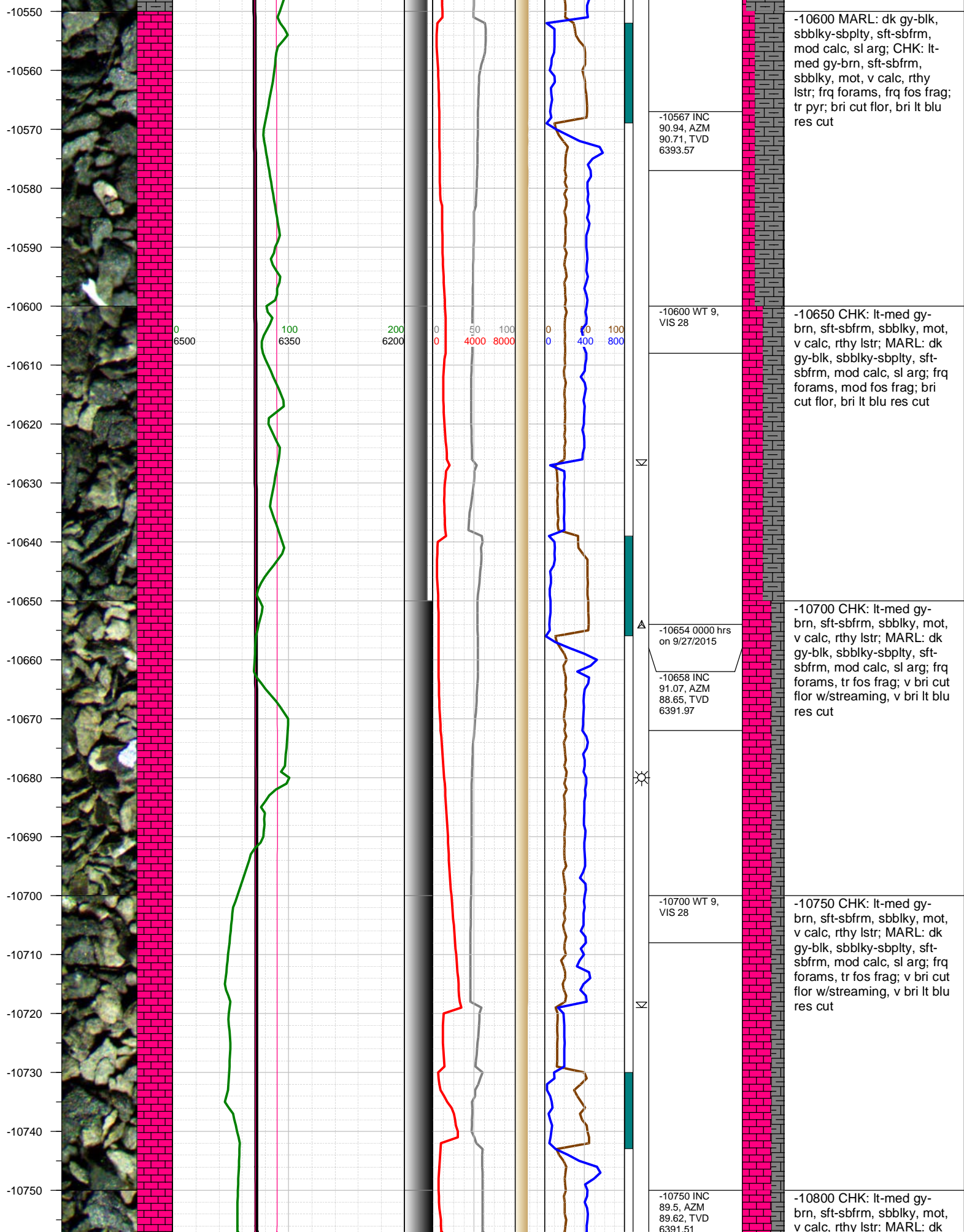
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8.98, VIS 28

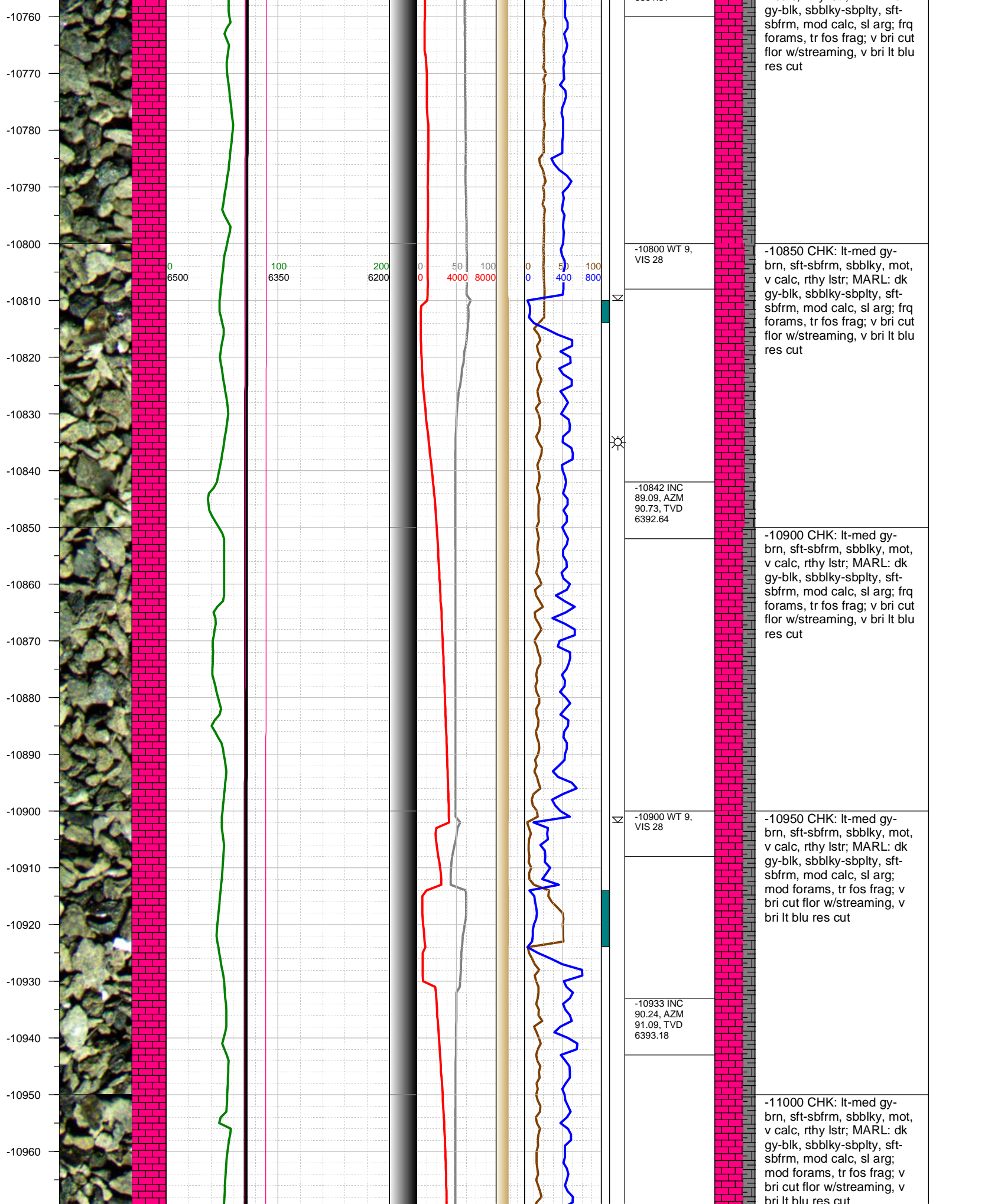
-10400 MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; mod forams, tr fos frag; bri cut flor, bri lt blu res cut

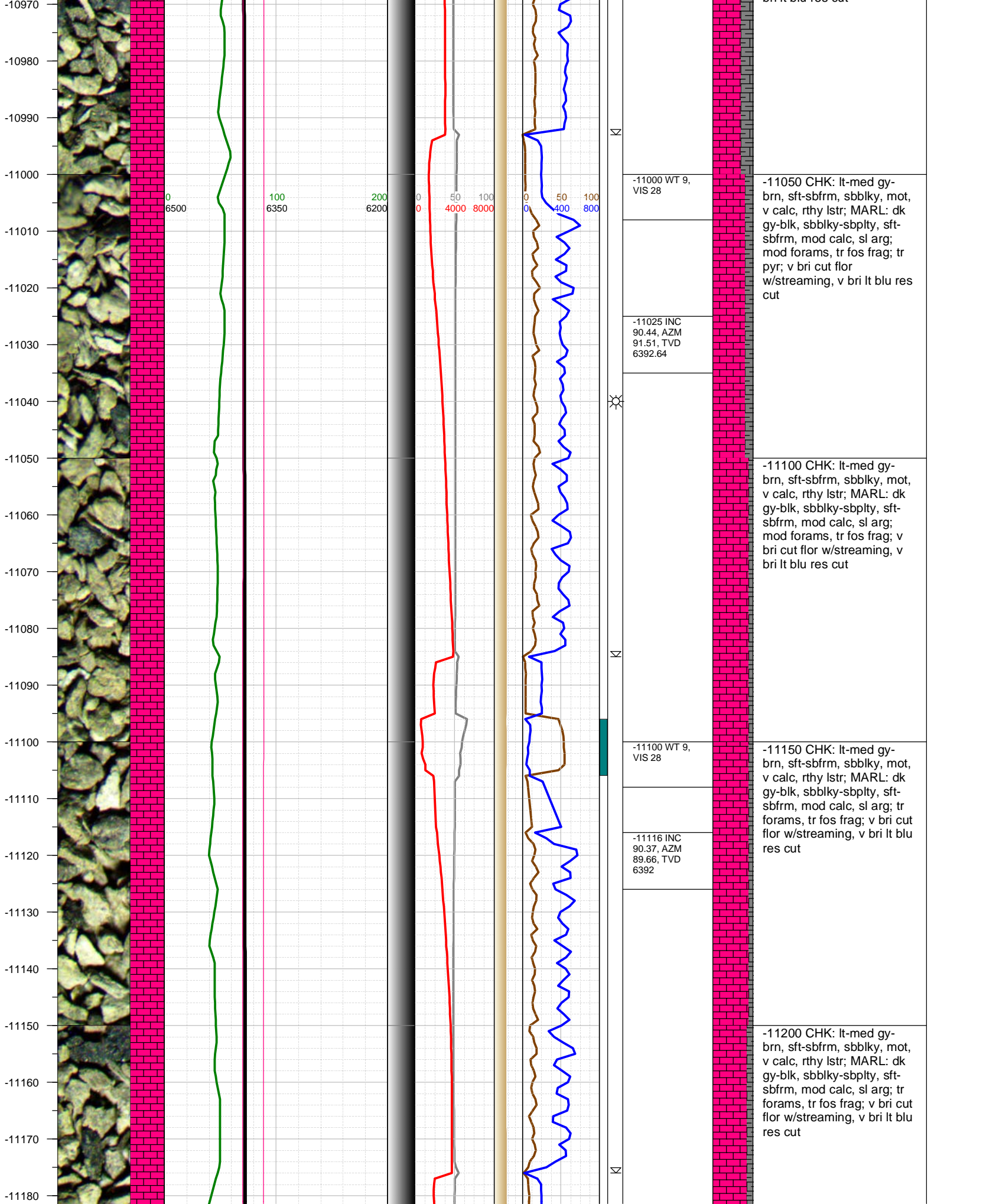
-10450 MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; mod forams, tr fos frag; bri cut flor, bri lt blu res cut

-10500 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; mod forams, tr fos frag; tr pyr; bri cut flor, bri lt blu res cut

-10550 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 forams, tr fos frag; bri cut flor, bri lt blu res cut







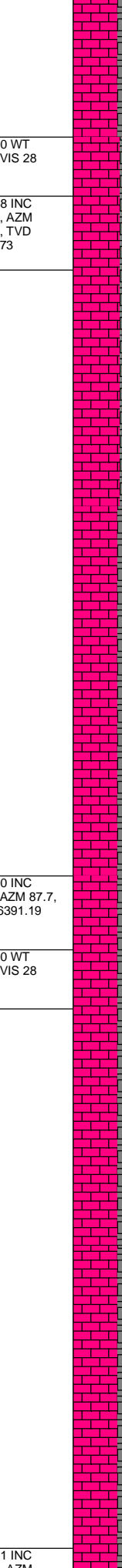
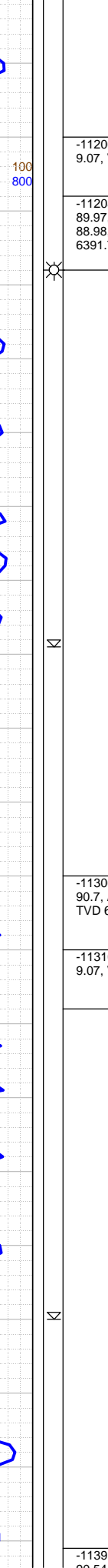
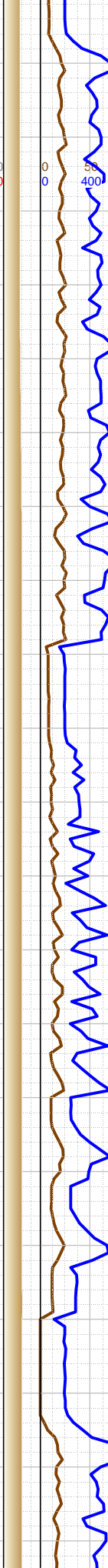
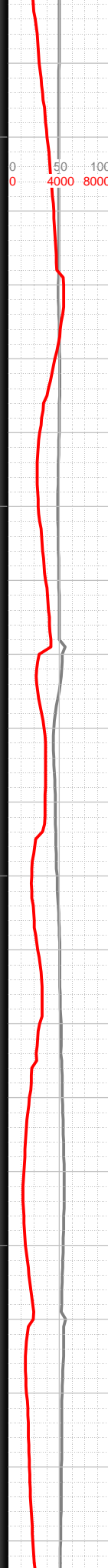
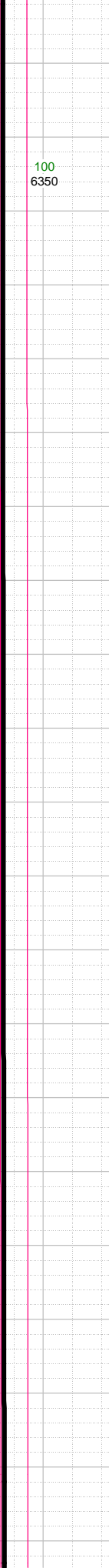
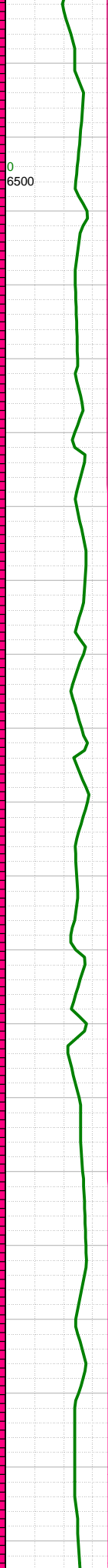
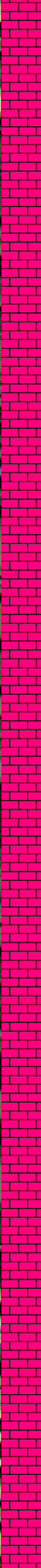
-11050 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; tr pyr; v bri cut flor w/streaming, v bri lt blu res cut

-11100 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-11150 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-11200 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

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-11200 WT
9.07, VIS 28

-11208 INC
89.97, AZM
88.98, TVD
6391.73

-11250 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

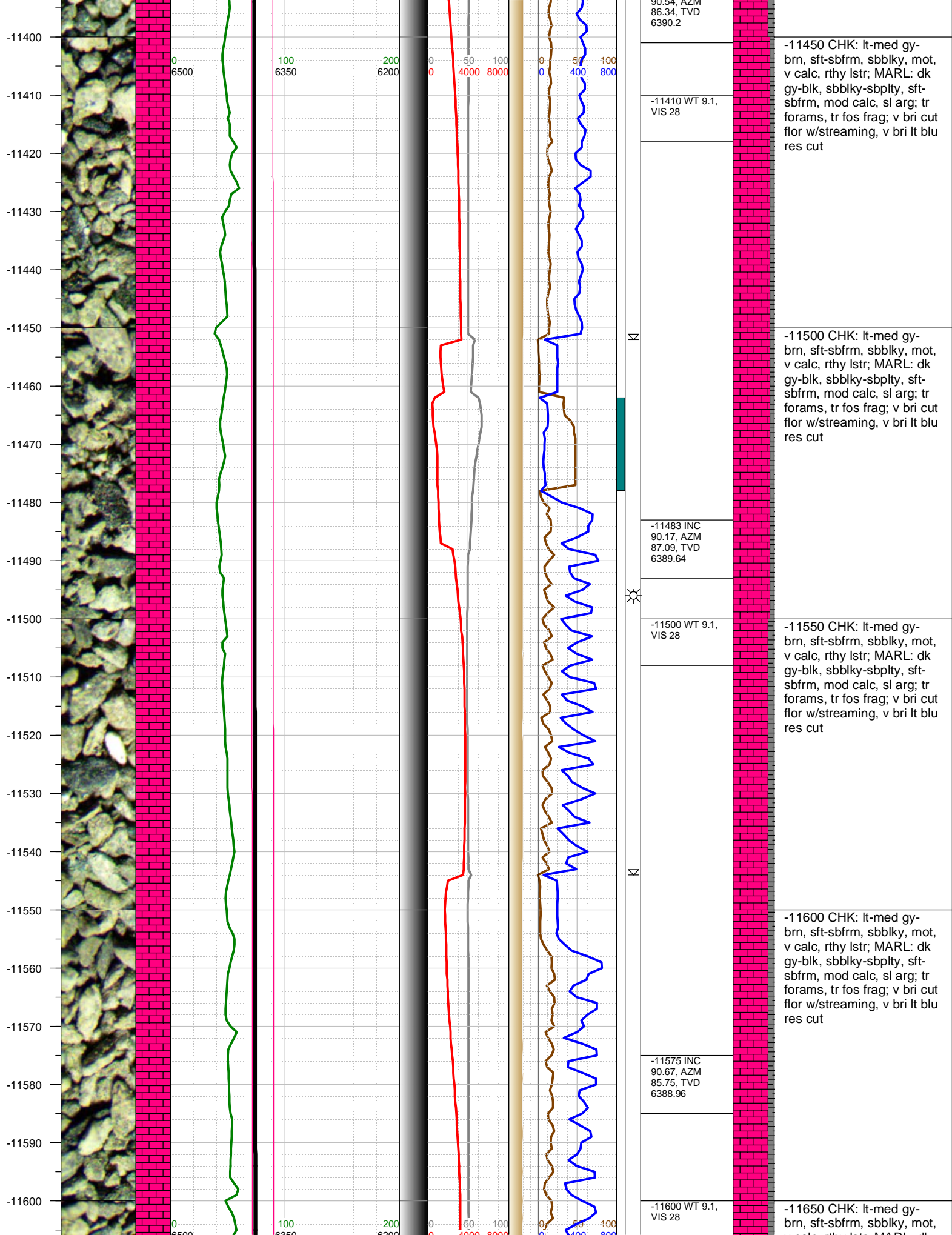
-11300 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-11300 INC
90.7, AZM 87.7,
TVD 6391.19

-11310 WT
9.07, VIS 28

-11400 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-11391 INC
90.5, AZM



90.54, AZM
86.34, TVD
6390.2

-11410 WT 9.1,
VIS 28

-11483 INC
90.17, AZM
87.09, TVD
6389.64

-11500 WT 9.1,
VIS 28

-11575 INC
90.67, AZM
85.75, TVD
6388.96

-11600 WT 9.1,
VIS 28

-11450 CHK: It-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

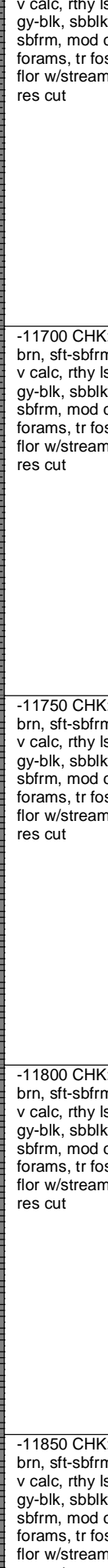
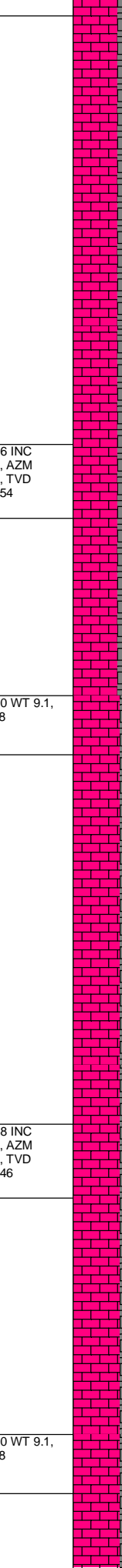
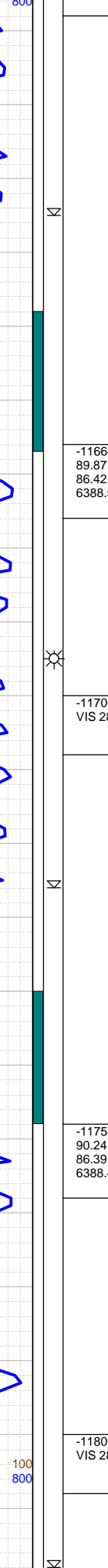
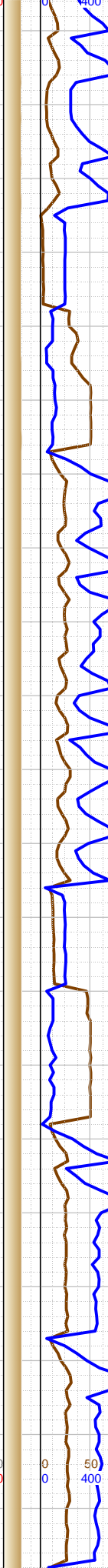
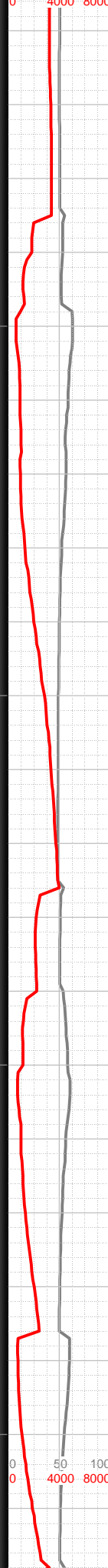
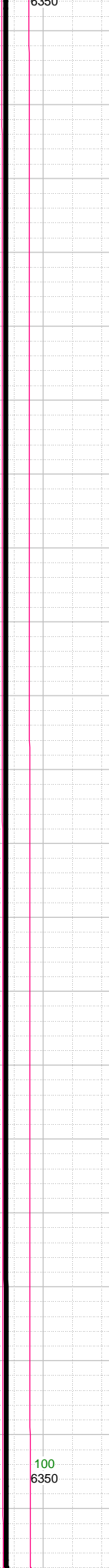
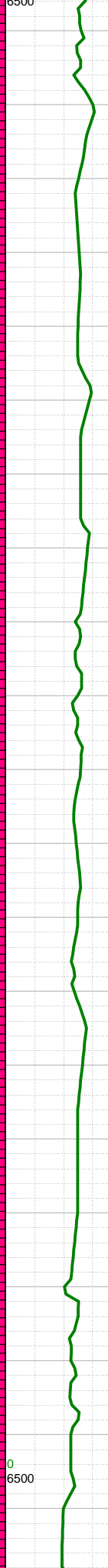
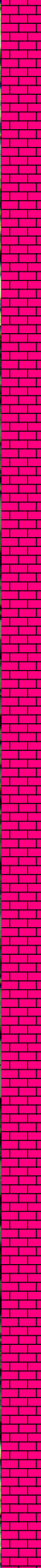
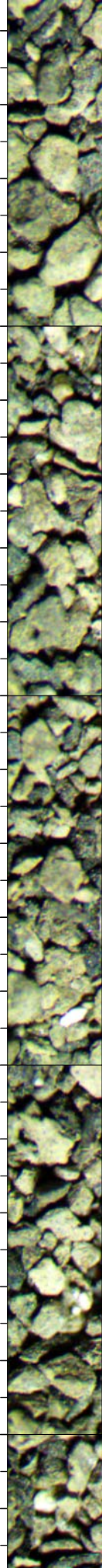
-11500 CHK: It-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-11550 CHK: It-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-11600 CHK: It-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-11650 CHK: It-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

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v calc, rthy lstr; MARL: dk gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-11700 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 forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-11666 INC
89.87, AZM
86.42, TVD
6388.54

-11700 WT 9.1,
VIS 28

-11750 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 forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-11800 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 forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-11758 INC
90.24, AZM
86.39, TVD
6388.46

-11800 WT 9.1,
VIS 28

-11850 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 forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

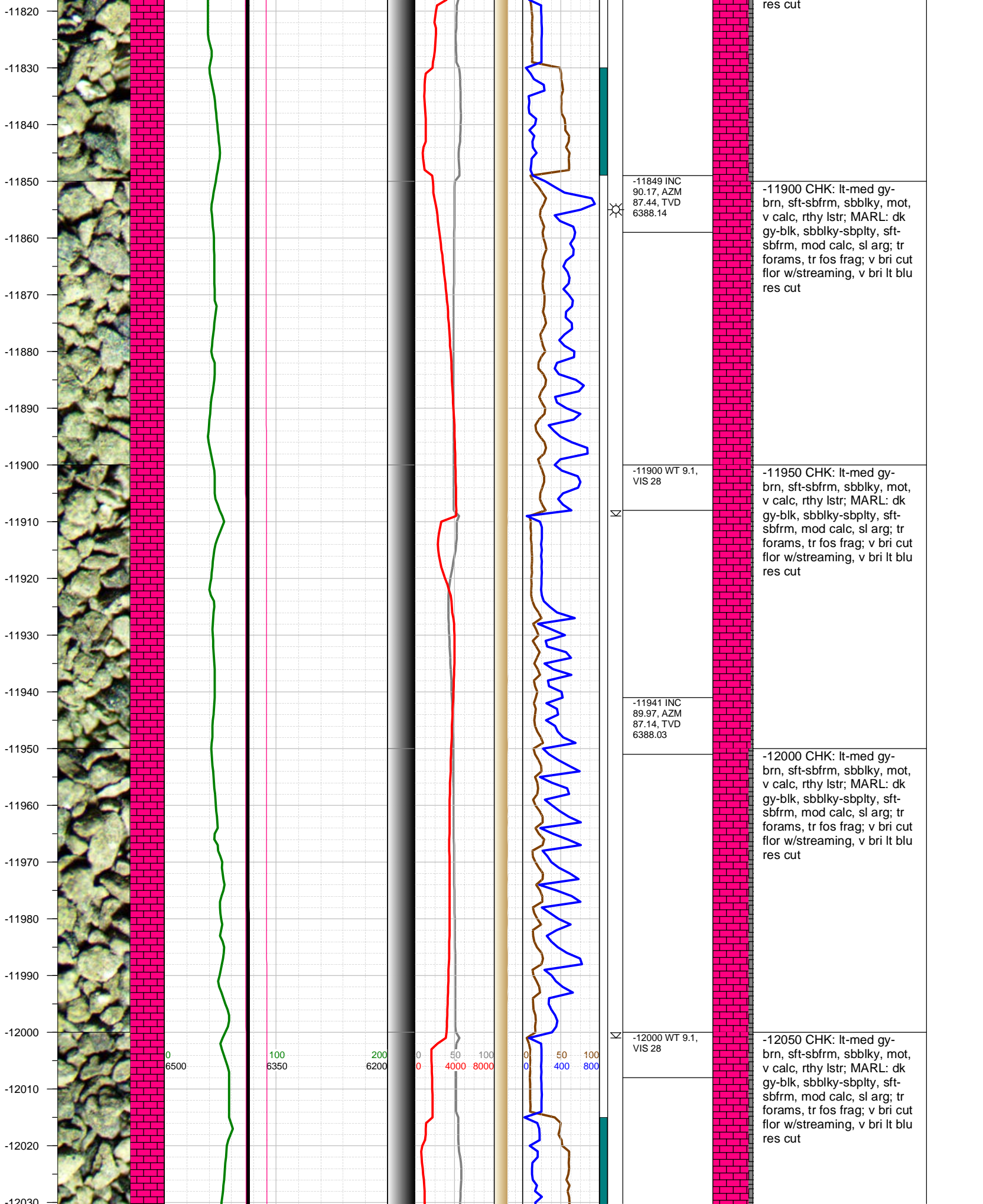
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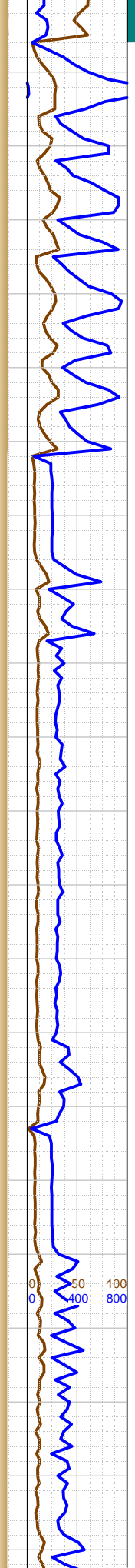
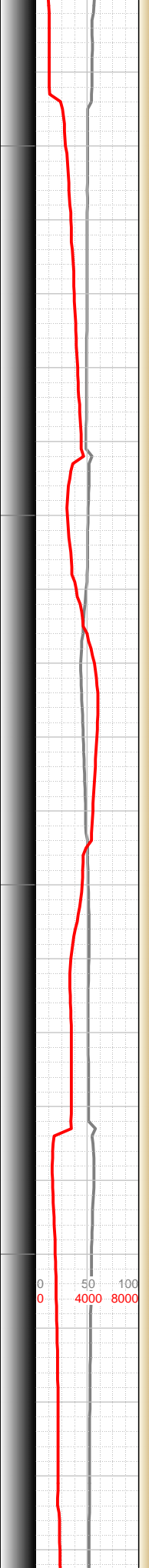
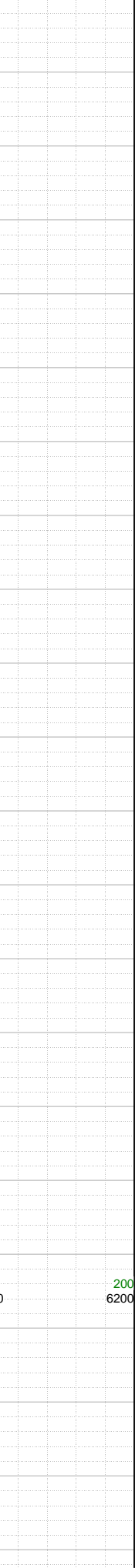
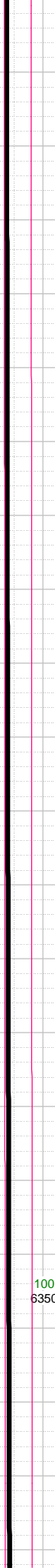
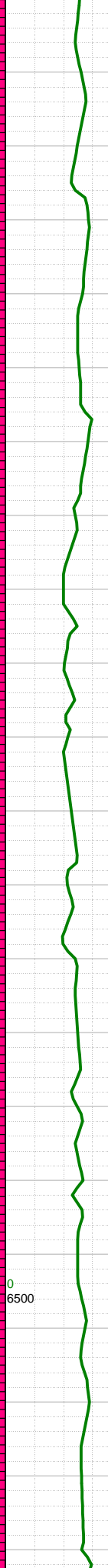
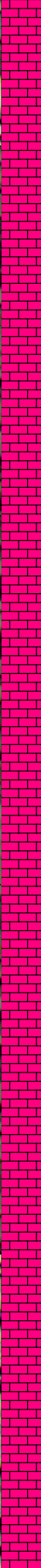
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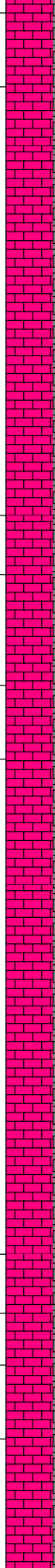
-12032 INC
90.5, AZM
89.11, TVD
6387.66

-12100 WT 9.1,
VIS 28

-12123 INC
90.6, AZM
88.71, TVD
6386.78

-12200 WT 9.1,
VIS 28

-12215 INC
91.31, AZM
89.04, TVD
6385.24



-12100 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 forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-12150 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 forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-12200 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 forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-12250 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 forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

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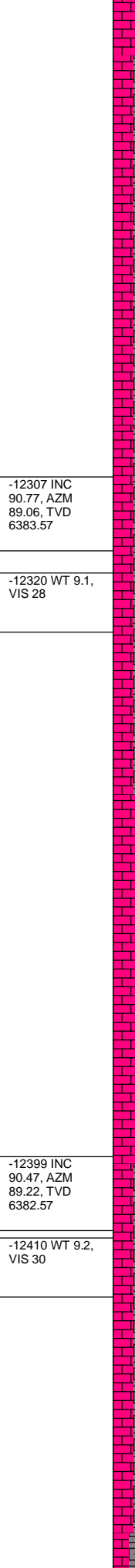
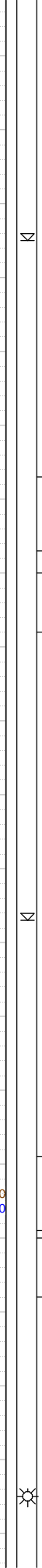
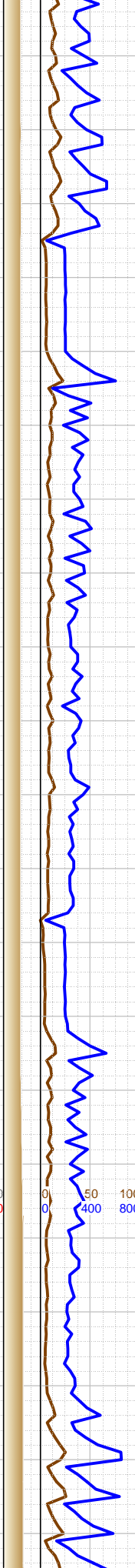
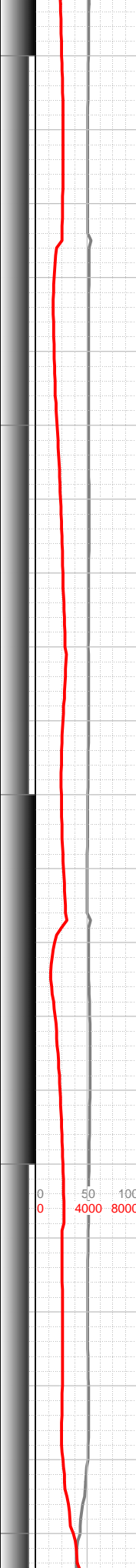
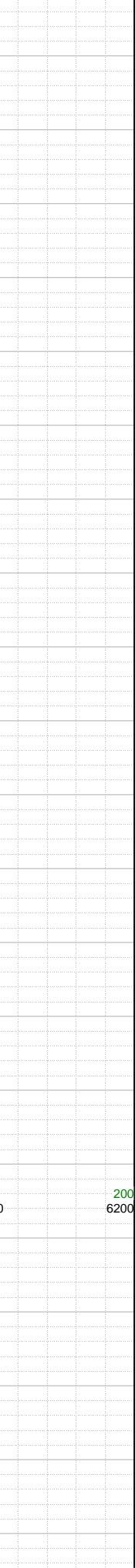
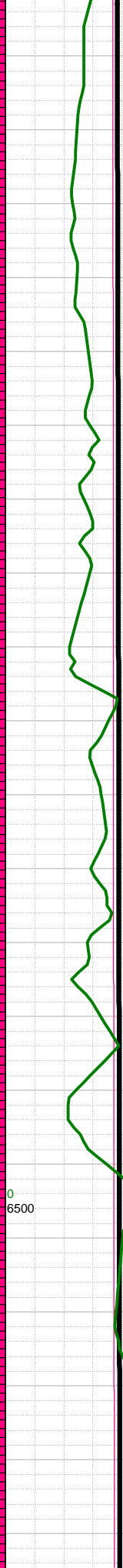
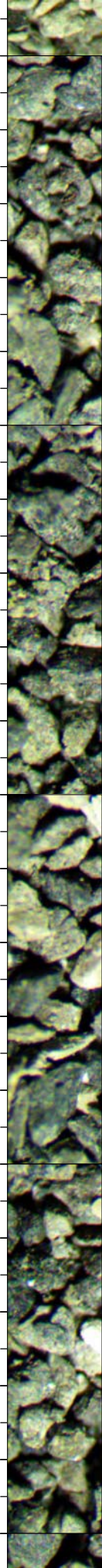
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-12300 MARL: med gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; tr forams, tr fos frag; bri cut flor w/streaming, v bri lt blu res cut

-12350 MARL: med gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; tr forams, tr fos frag; bri cut flor w/streaming, v bri lt blu res cut

-12400 MARL: med gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; tr forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-12450 MARL: med gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; tr forams, tr fos frag; bri cut flor, bri lt blu res cut

-12307 INC
90.77, AZM
89.06, TVD
6383.57

-12320 WT 9.1,
VIS 28

-12399 INC
90.47, AZM
89.22, TVD
6382.57

-12410 WT 9.2,
VIS 30

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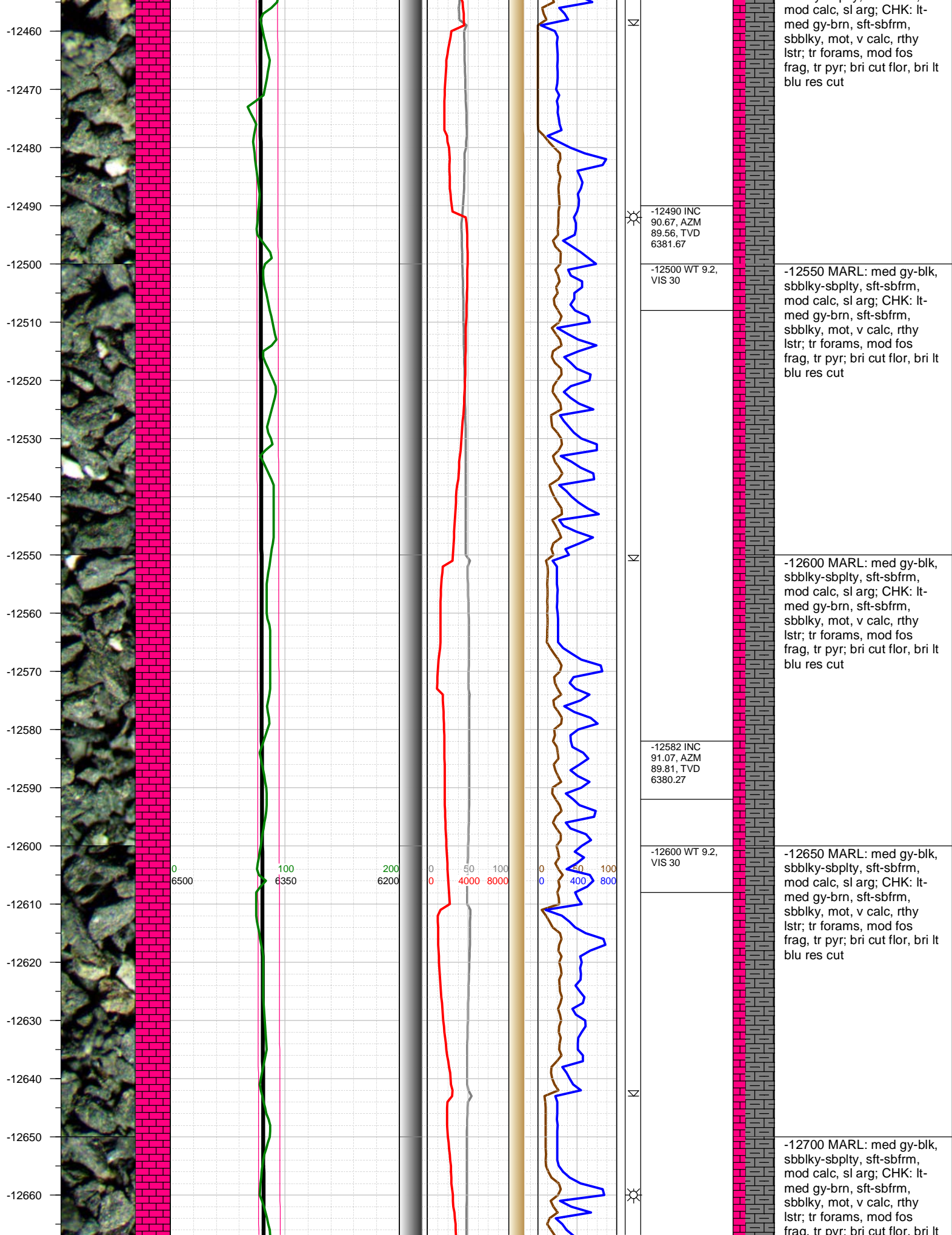
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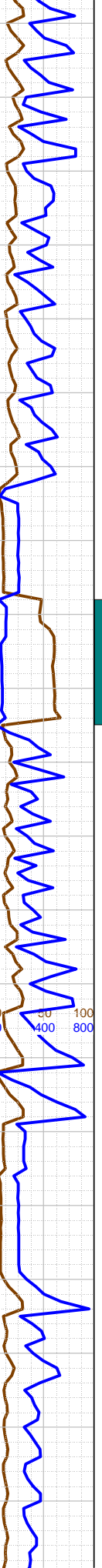
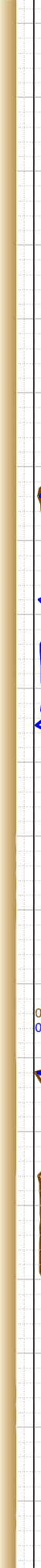
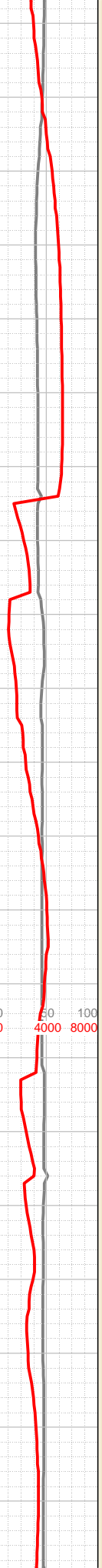
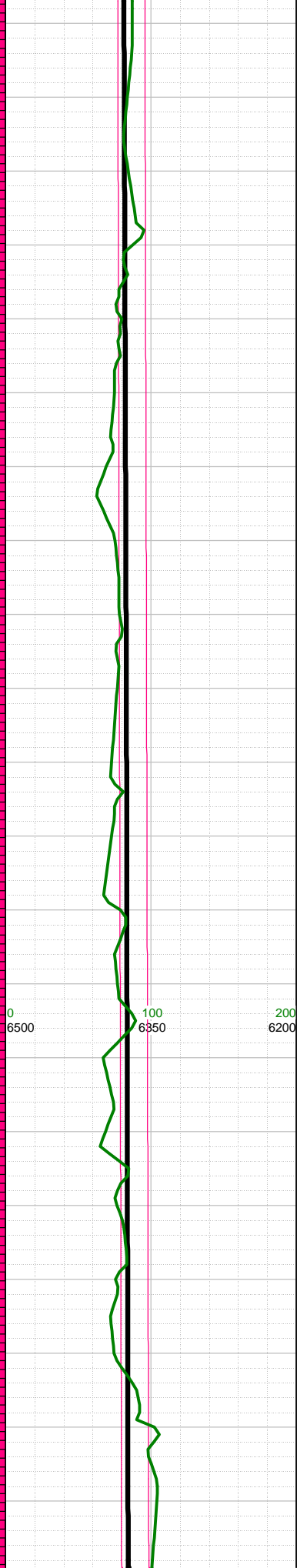
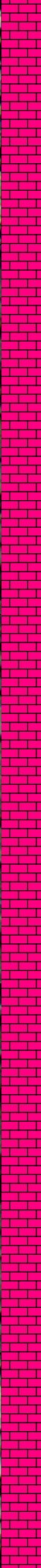
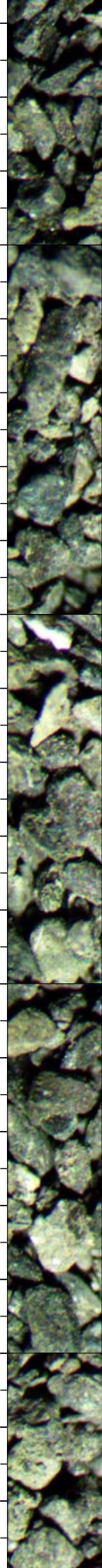
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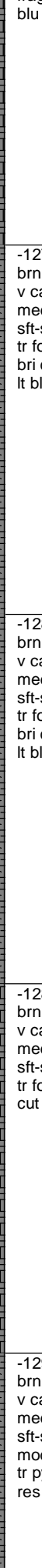




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-12674 INC 92.12, AZM 90.41, TVD 6377.7	
-12700 WT 9.2, VIS 30	
-12765 INC 90.97, AZM 89.11, TVD 6375.25	
-12800 WT 9.1, VIS 38	
-12857 INC 90.81, AZM 89.23, TVD 6373.82	



blu res cut

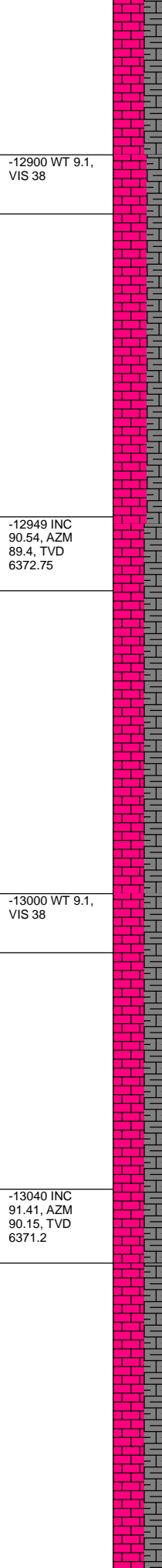
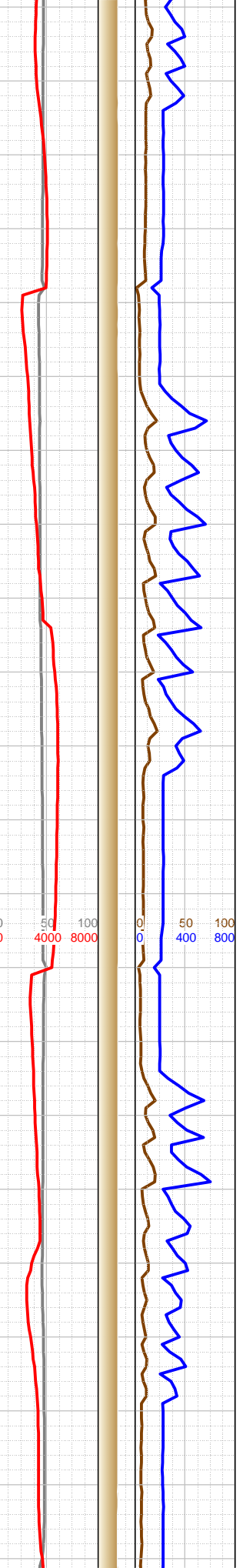
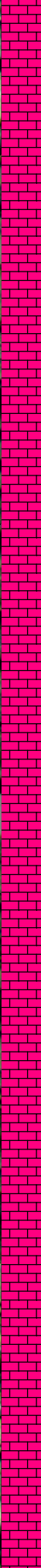
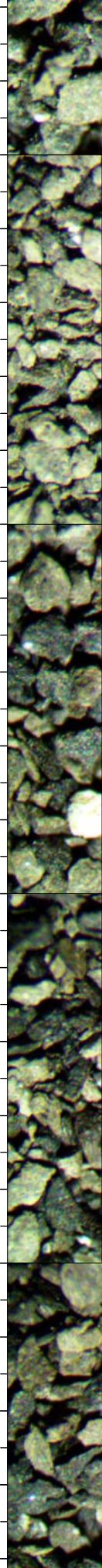
-12750 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, mod fos frag; v bri cut flr w/streaming, bri lt blu res cut

-12800 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, mod fos frag; v bri cut flr w/streaming, bri lt blu res cut

-12850 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, mod fos frag; bri cut flr, bri lt blu res cut

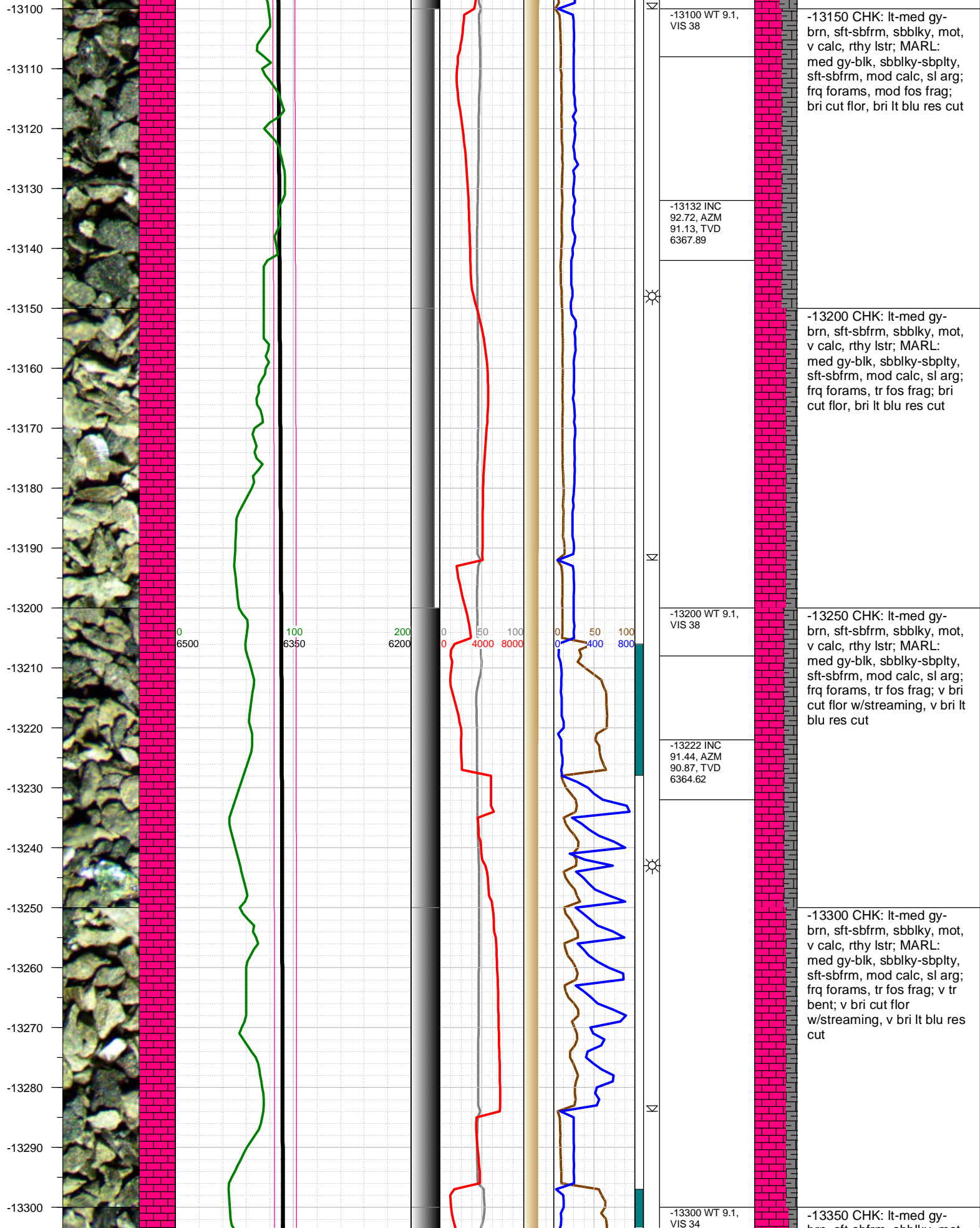
-12900 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, mod fos frag; tr pyr; bri cut flr, bri lt blu res cut

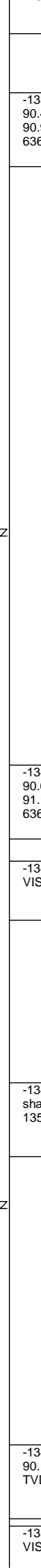
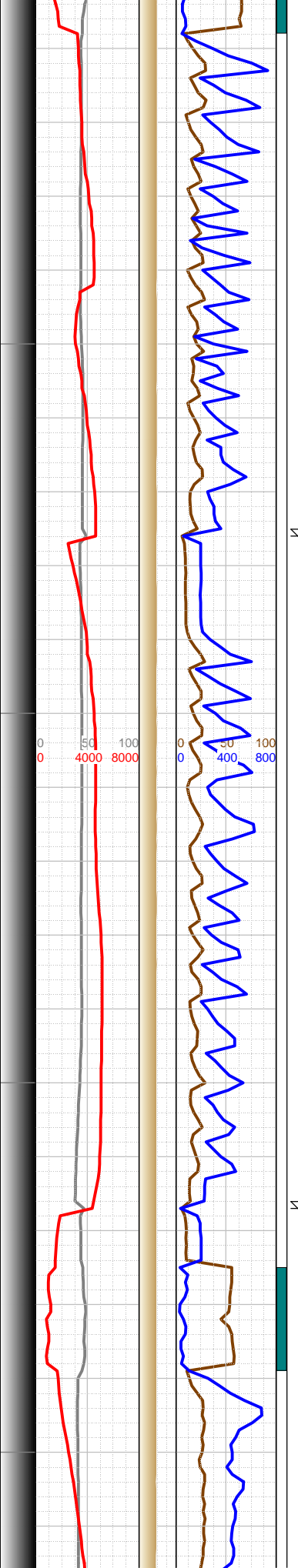
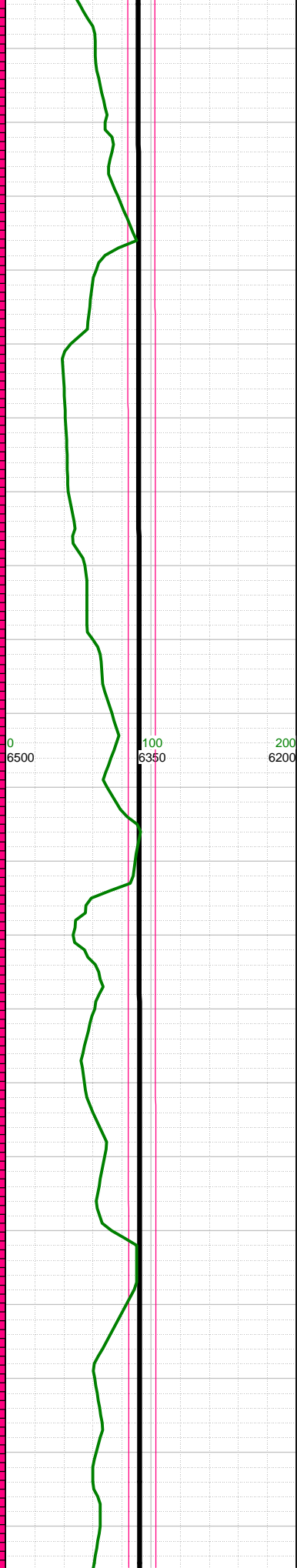
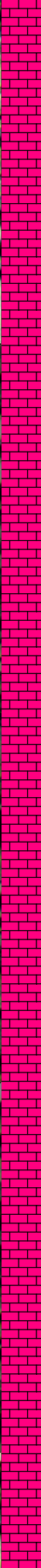
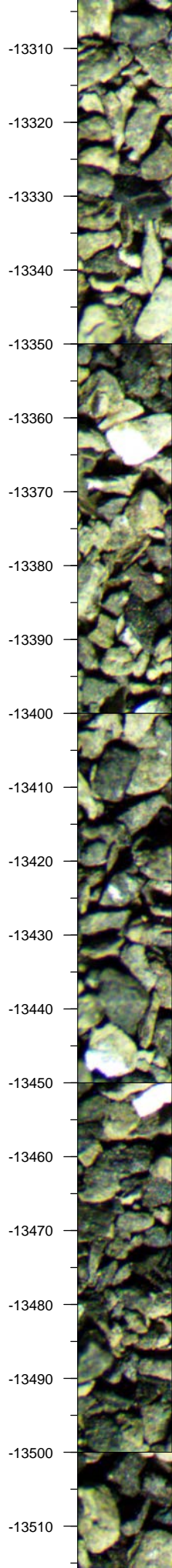
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-12900 WT 9.1, VIS 38
-12950 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, mod fos frag; v bri cut flor w/streaming, v bri lt blu res cut
-12949 INC 90.54, AZM 89.4, TVD 6372.75
-13000 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; frq forams, mod fos frag; v bri cut flor w/streaming, v bri lt blu res cut
-13000 WT 9.1, VIS 38
-13050 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; frq forams, mod fos frag; tr pyr; v bri cut flor w/streaming, v bri lt blu res cut
-13040 INC 91.41, AZM 90.15, TVD 6371.2
-13100 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; frq forams, mod fos frag; v bri cut flor w/streaming, v bri lt blu res cut

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6500 6350 6200 0 4000 8000 0 400 800





-13316 INC 90.47, AZM 90.95, TVD 6363.05
-13407 INC 90.64, AZM 91.17, TVD 6362.17
-13420 WT 9.1, VIS 34
-13450 Oil on shakers through 13550
-13499 INC 90.1, AZM 89.4, TVD 6361.58
-13510 WT 9.3, VIS 32

brn, sft-sbfrm, sbbiky, mot,
v calc, rthy lstr; MARL:
med gy-blk, sbbiky-sbplty,
sft-sbfrm, mod calc, sl arg;
frq forams, tr fos frag; v
cut flr w/streaming, v bri lt
blu res cut

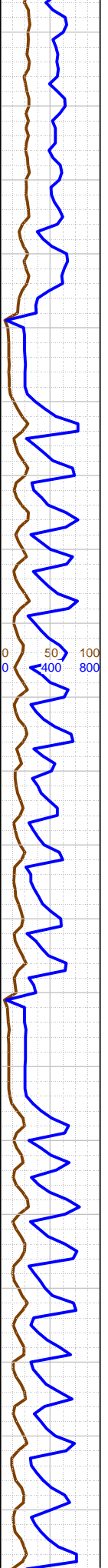
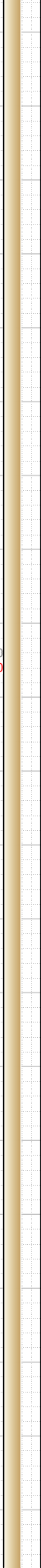
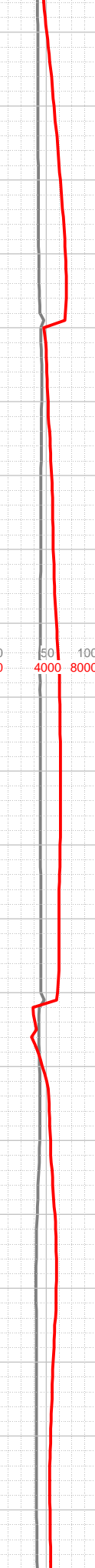
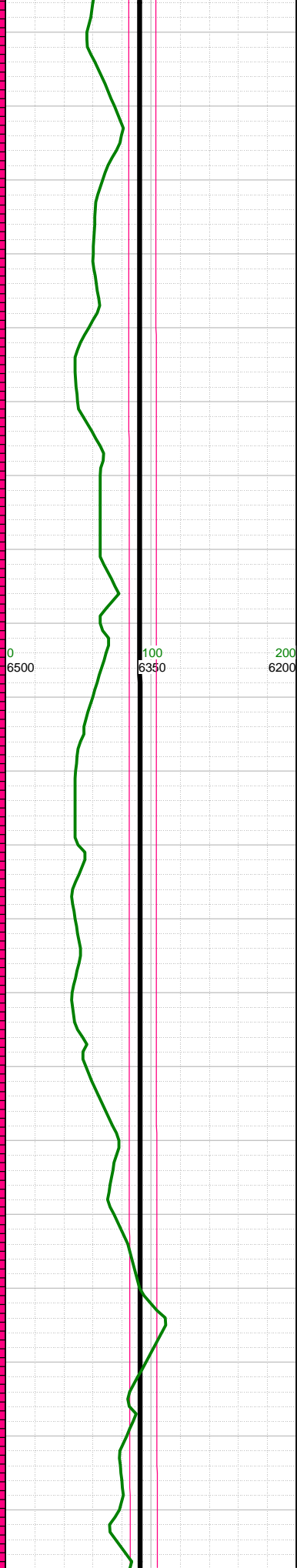
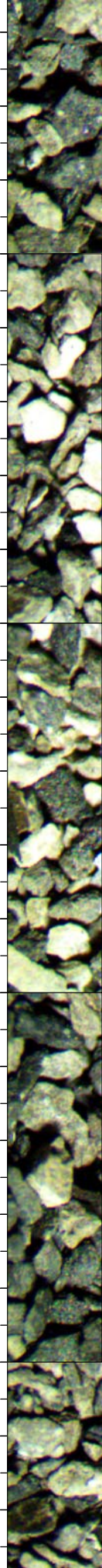
-13400 CHK: lt-med gy-
brn, sft-sbfrm, sbbiky, mot,
v calc, rthy lstr; MARL:
med gy-blk, sbbiky-sbplty,
sft-sbfrm, mod calc, sl arg;
frq forams, mod fos frag; v
bri cut flr w/streaming, v
bri lt blu res cut

-13450 CHK: lt-med gy-
brn, sft-sbfrm, sbbiky, mot,
v calc, rthy lstr; MARL:
med gy-blk, sbbiky-sbplty,
sft-sbfrm, mod calc, sl arg;
frq forams, mod fos frag; v
bri cut flr w/streaming, v
bri lt blu res cut, oil on
shakers

-13500 CHK: lt-med gy-
brn, sft-sbfrm, sbbiky, mot,
v calc, rthy lstr; MARL:
med gy-blk, sbbiky-sbplty,
sft-sbfrm, mod calc, sl arg;
frq forams, mod fos frag; v
bri cut flr w/streaming, v
bri lt blu res cut, oil on
shakers

-13550 CHK: lt-med gy-
brn, sft-sbfrm, sbbiky, mot,
v calc, rthy lstr; MARL:
med gy-blk, sbbiky-sbplty,
sft-sbfrm, mod calc, sl arg;
frq forams, mod fos frag; tr

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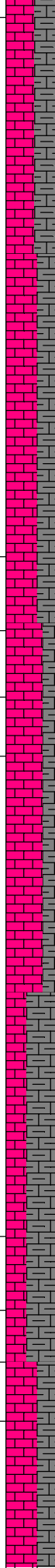


-13591 INC 90,
AZM 89.14,
TVD 6361.5

-13610 WT 9.3,
VIS 32

-13683 INC
90.27, AZM
89.67, TVD
6361.28

-13700 WT 9.3,
VIS 32



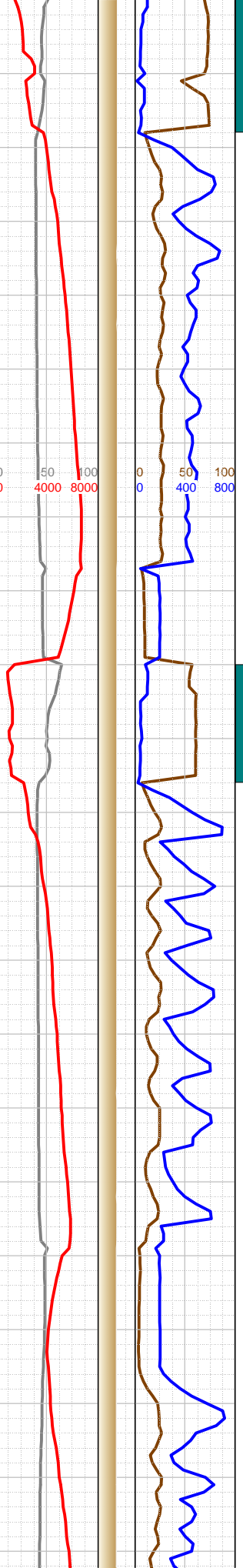
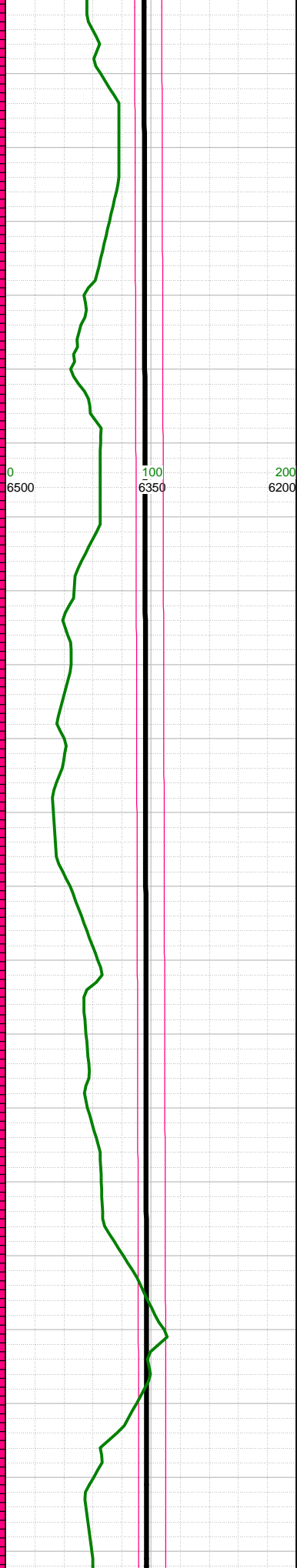
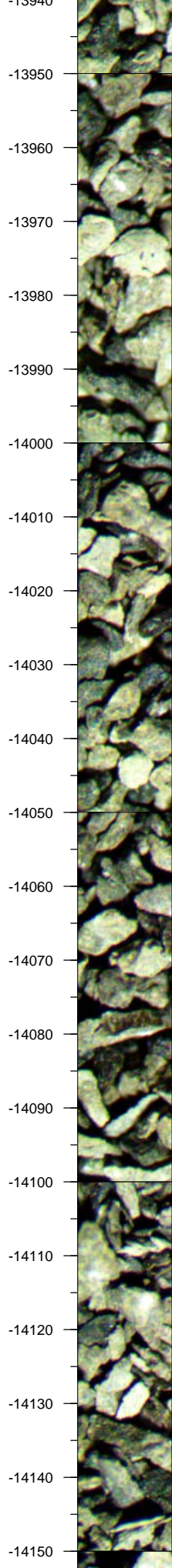
pyr; v bri cut flor
w/streaming, v bri lt blu res
cut, oil on shakers

-13600 CHK: lt-med gy-
brn, sft-sbfrm, sbblky, mot,
v calc, rthy lstr; MARL:
med gy-blk, sbblky-sbplty,
sft-sbfrm, mod calc, sl arg;
frq forams, mod fos frag; v
bri cut flor w/streaming, v
bri lt blu res cut

-13650 CHK: lt-med gy-
brn, sft-sbfrm, sbblky, mot,
v calc, rthy lstr; MARL:
med gy-blk, sbblky-sbplty,
sft-sbfrm, mod calc, sl arg;
mod forams, tr fos frag; v
bri cut flor w/streaming, v
bri lt blu res cut

-13700 MARL: med gy-blk,
sbblky-sbplty, sft-sbfrm,
mod calc, sl arg; CHK: lt-
med gy-brn, sft-sbfrm,
sbblky, mot, v calc, rthy
lstr; mod forams, mod fos
frag; v bri cut flor
w/streaming, v bri lt blu res
cut

-13750 CHK: lt-med gy-
brn, sft-sbfrm, sbblky, mot,
v calc, rthy lstr; MARL:
med gy-blk, sbblky-sbplty,
sft-sbfrm, mod calc, sl arg;
frq forams, mod fos frag; v
bri cut flor w/streaming, v
bri lt blu res cut



-13957 INC 91.21, AZM 89.39, TVD 6356.89	
-14000 WT 9.25, VIS 32	
-14048 INC 90.54, AZM 88.17, TVD 6355.51	
-14100 WT 9.25, VIS 32	
-14139 INC 90.77, AZM 88.74, TVD 6354.47	

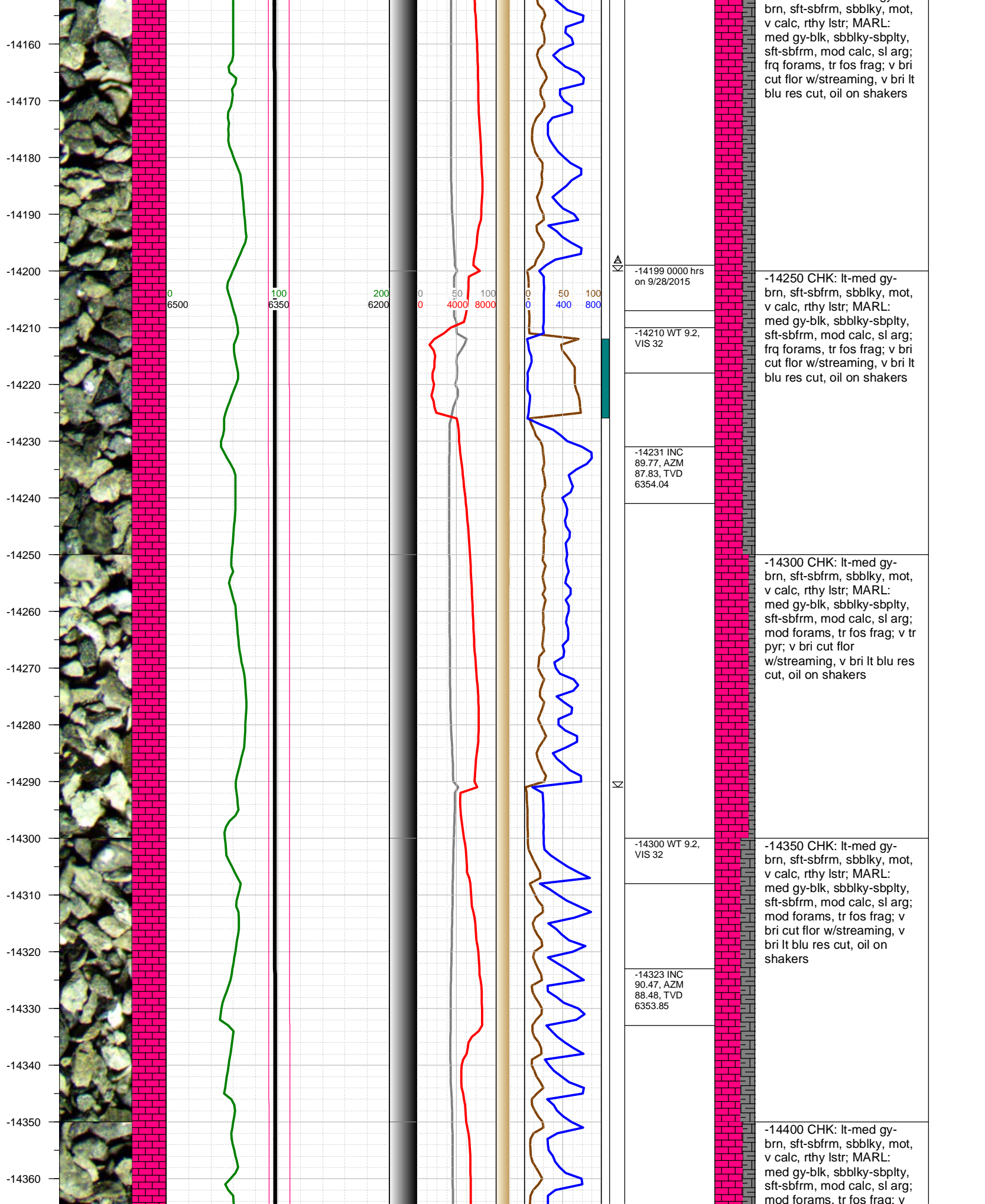
-14000 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

-14050 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; frq forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

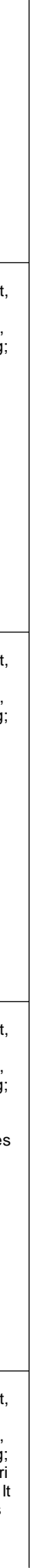
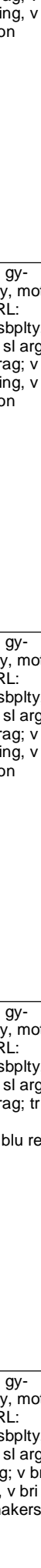
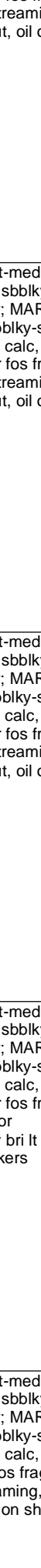
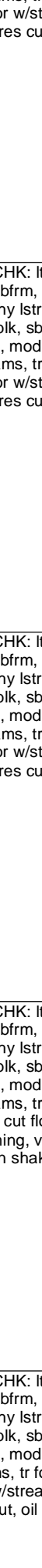
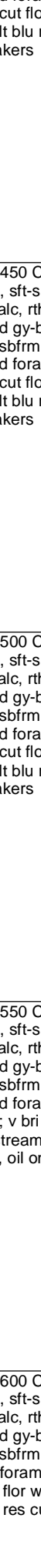
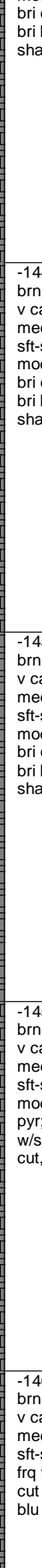
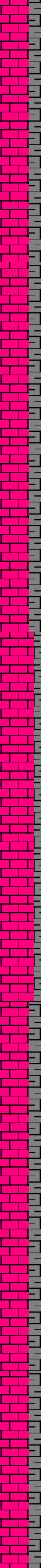
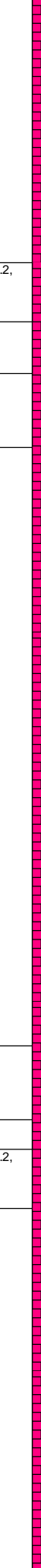
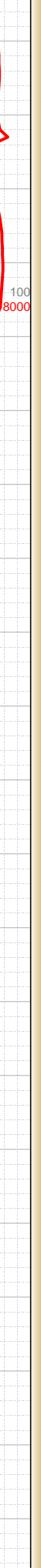
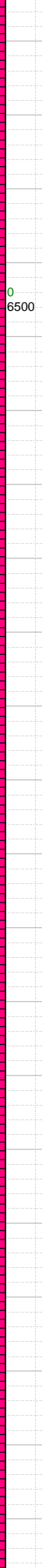
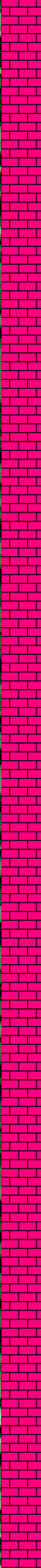
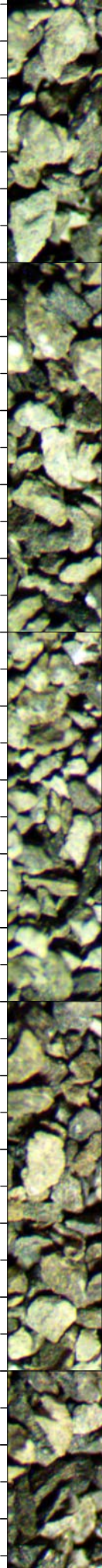
-14100 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; frq forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

-14150 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; frq forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

-14200 CHK: lt-med gy-



-14370
-14380
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-14470
-14480
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-14500
-14510
-14520
-14530
-14540
-14550
-14560
-14570



-14400 WT 9.2,
VIS 32

-14415 INC
90.54, AZM
89.14, TVD
6353.04

-14506 INC
90.13, AZM
89.22, TVD
6352.51

-14520 WT 9.2,
VIS 32

bri cut flor w/streaming, v
bri lt blu res cut, oil on
shakers

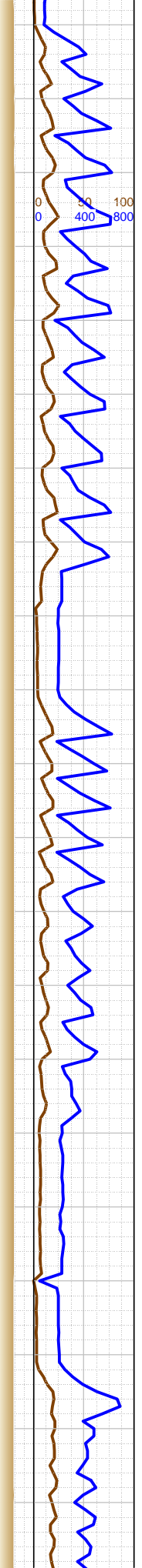
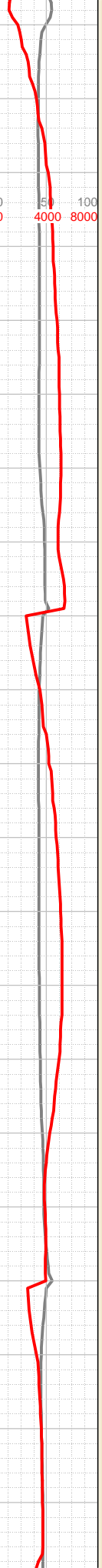
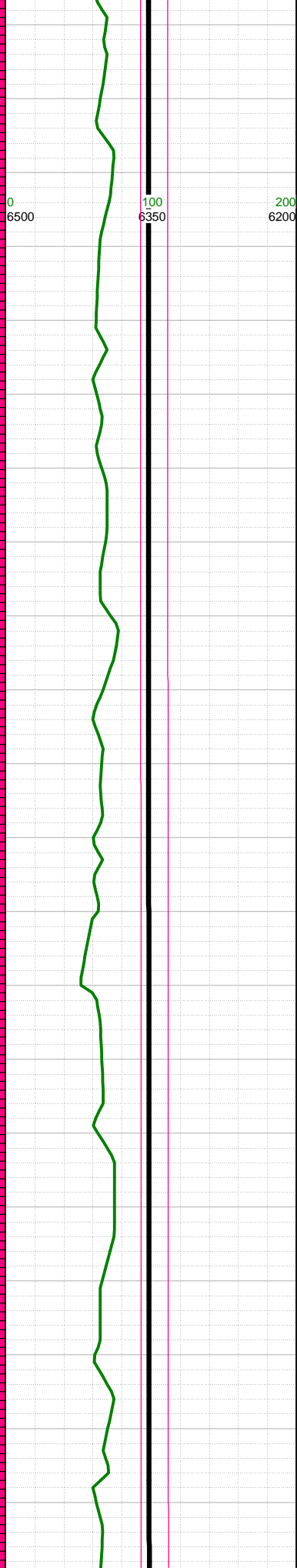
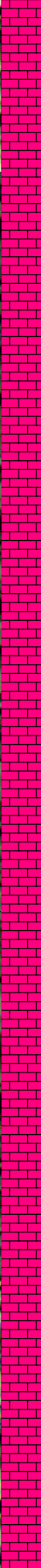
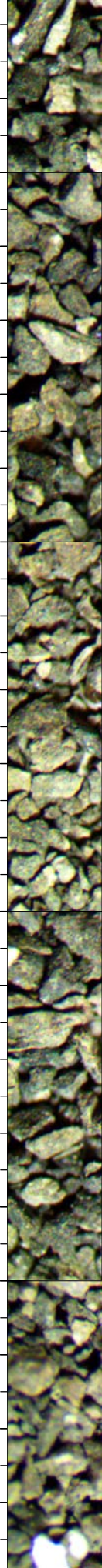
-14450 CHK: lt-med gy-
brn, sft-sbfrm, sbbkly, mot,
v calc, rthy lstr; MARL:
med gy-blk, sbbkly-sbplty,
sft-sbfrm, mod calc, sl arg;
mod forams, tr fos frag; v
bri cut flor w/streaming, v
bri lt blu res cut, oil on
shakers

-14500 CHK: lt-med gy-
brn, sft-sbfrm, sbbkly, mot,
v calc, rthy lstr; MARL:
med gy-blk, sbbkly-sbplty,
sft-sbfrm, mod calc, sl arg;
mod forams, tr fos frag; v
bri cut flor w/streaming, v
bri lt blu res cut, oil on
shakers

-14550 CHK: lt-med gy-
brn, sft-sbfrm, sbbkly, mot,
v calc, rthy lstr; MARL:
med gy-blk, sbbkly-sbplty,
sft-sbfrm, mod calc, sl arg;
mod forams, tr fos frag; tr
pyr; v bri cut flor
w/streaming, v bri lt blu res
cut, oil on shakers

-14600 CHK: lt-med gy-
brn, sft-sbfrm, sbbkly, mot,
v calc, rthy lstr; MARL:
med gy-blk, sbbkly-sbplty,
sft-sbfrm, mod calc, sl arg;
frq forams, tr fos frag; v bri
cut flor w/streaming, v bri lt
blu res cut, oil on shakers

-14580
-14590
-14600
-14610
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-14640
-14650
-14660
-14670
-14680
-14690
-14700
-14710
-14720
-14730
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-14760
-14770
-14780



-14598 INC
89.9, AZM
90.08, TVD
6352.48

-14610 WT 9.2,
VIS 32

-14690 INC
90.23, AZM
90.34, TVD
6352.37

-14700 WT 9.2,
VIS 32

-14781 INC
90.44, AZM
91.74, TVD
6351.84

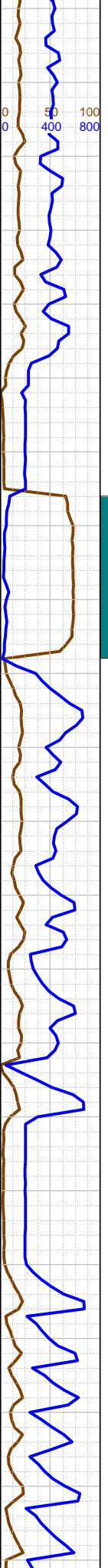
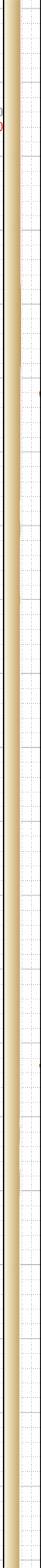
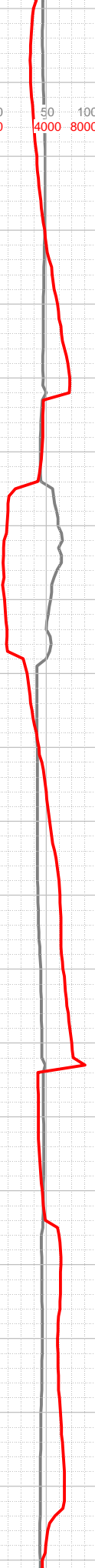
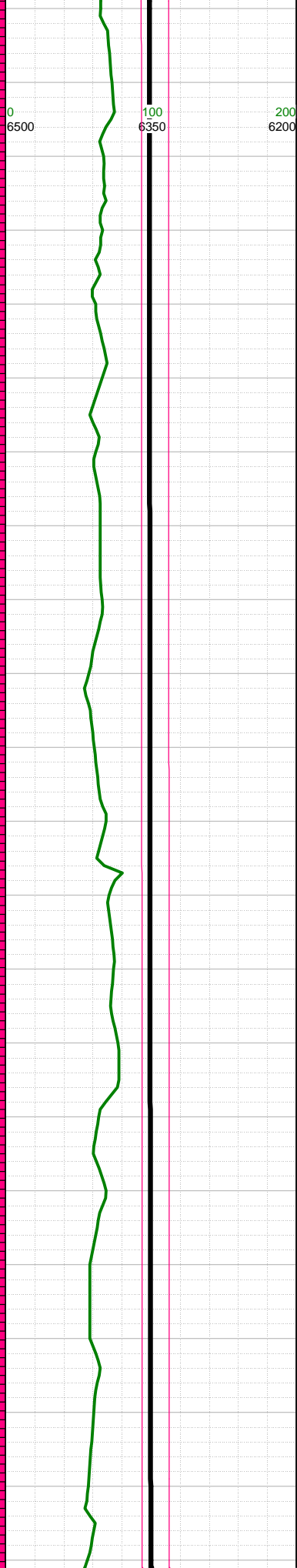
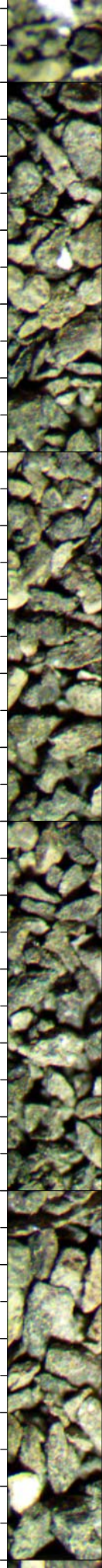
-14650 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; frq forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

-14700 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

-14750 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

-14800 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

-14790
-14800
-14810
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-14950
-14960
-14970
-14980
-14990
-15000



-14800 WT 9.2, VIS 32
-14873 INC 90.37, AZM 88.76, TVD 6351.2
-14900 WT 9.2, VIS 32
-14965 INC 90.33, AZM 88.39, TVD 6350.63
-15000 WT

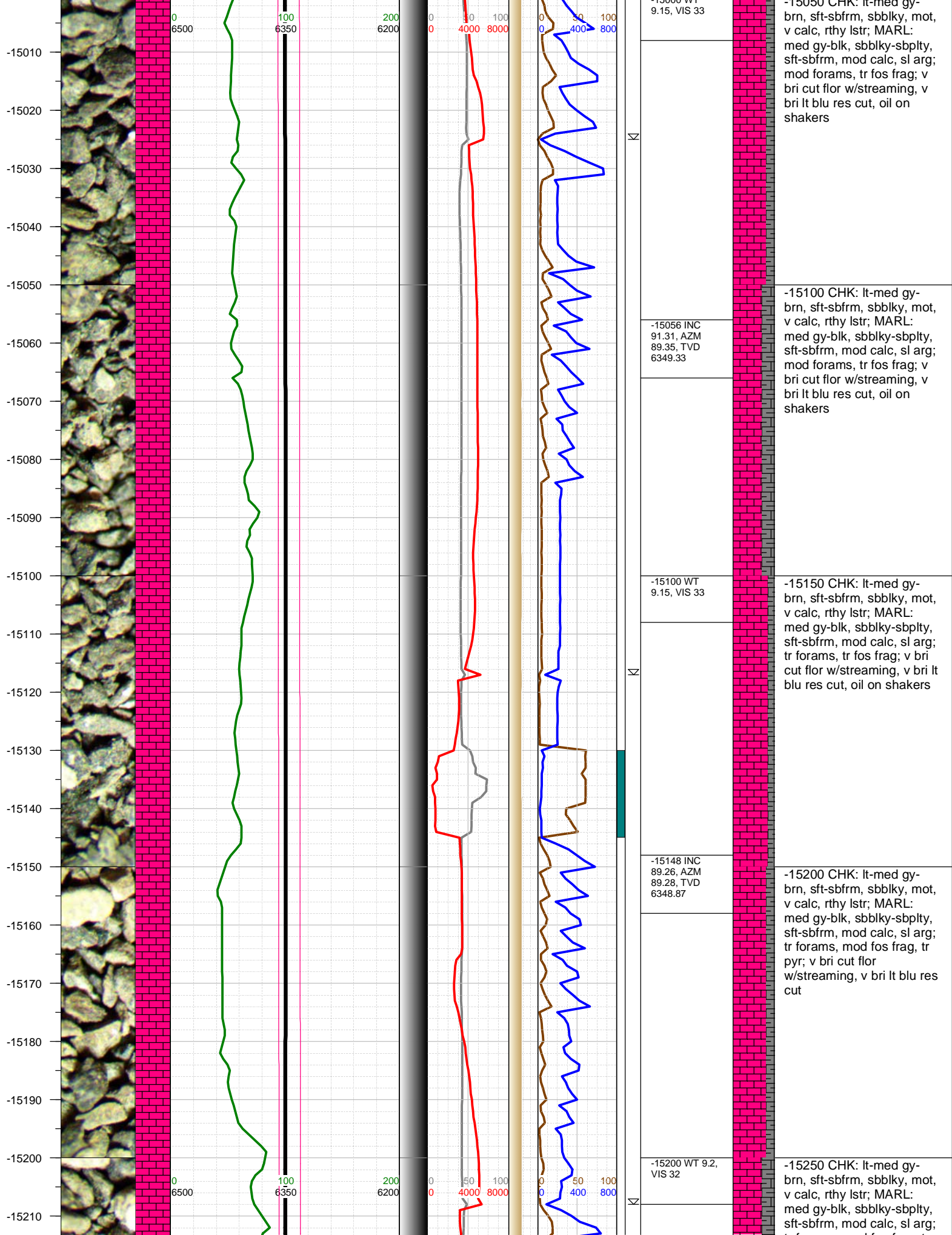


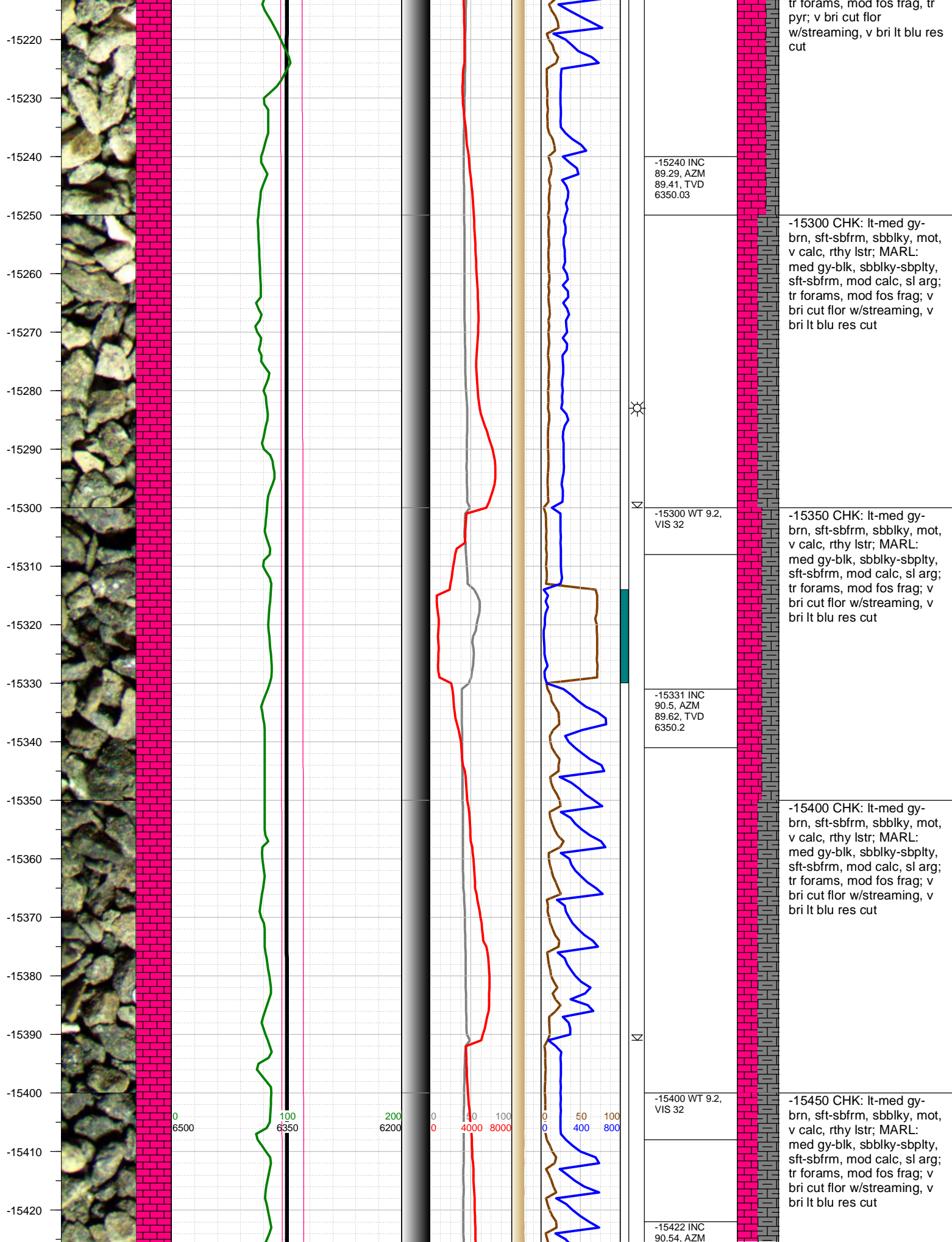
-14850 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

-14900 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

-14950 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

-15000 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers





tr forams, mod fos frag, tr pyr; v bri cut flor w/streaming, v bri lt blu res cut

-15240 INC
89.29, AZM
89.41, TVD
6350.03

-15300 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr forams, mod fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-15300 WT 9.2,
VIS 32

-15350 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr forams, mod fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-15331 INC
90.5, AZM
89.62, TVD
6350.2

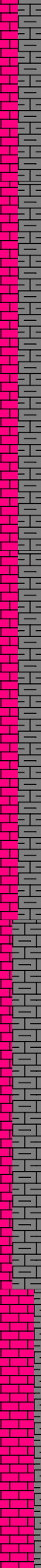
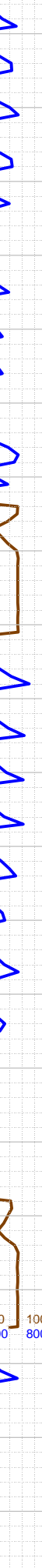
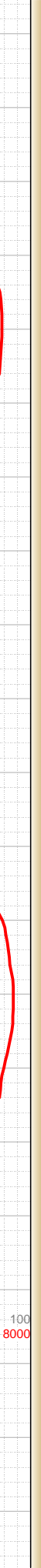
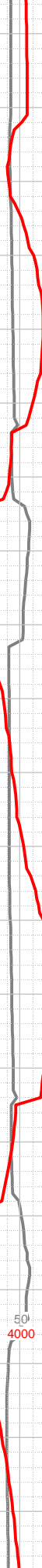
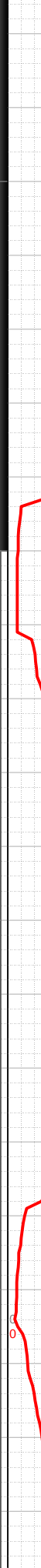
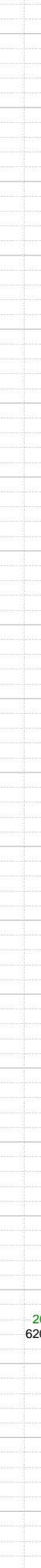
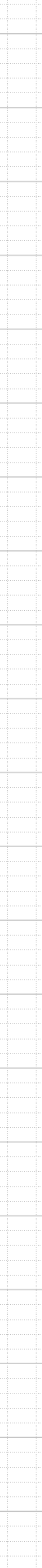
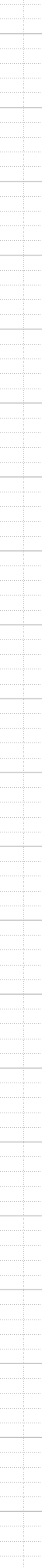
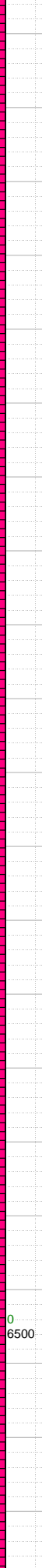
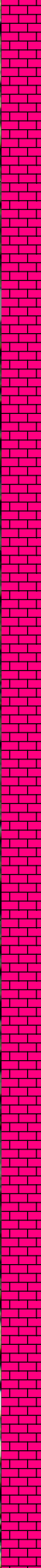
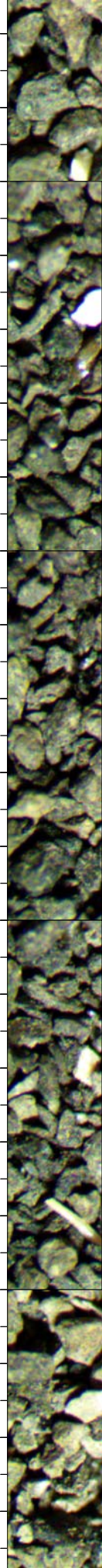
-15400 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr forams, mod fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-15400 WT 9.2,
VIS 32

-15450 CHK: lt-med gy-brn, sft-sbfrm, sbbly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbly-sbply, sft-sbfrm, mod calc, sl arg; tr forams, mod fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-15422 INC
90.54, AZM

-15430
-15440
-15450
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-15470
-15480
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-15500
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-15580
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-15600
-15610
-15620
-15630



90.75, TVD
6349.37

-15500 WT 9.2,
VIS 32

-15514 INC
90.84, AZM
90.21, TVD
6348.26

-15606 INC
91.64, AZM
88.14, TVD
6346.27

-15620 WT
9.15, VIS 34

-15500 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, mod fos frag; v bri cut flor w/streaming, v bri lt blu res cut

-15550 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; tr forams, mod fos frag; bri cut flor, v bri lt blu res cut

-15600 MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; mod forams, mod fos frag; bri cut flor, bri lt blu res cut

-15650 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbplty, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; bri cut flor, bri lt blu res cut

0
6500

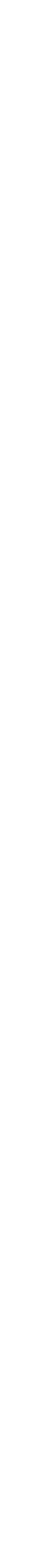
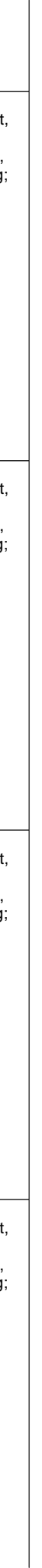
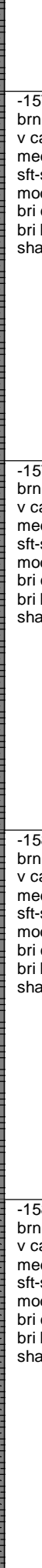
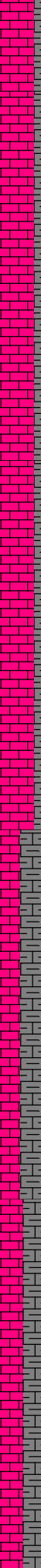
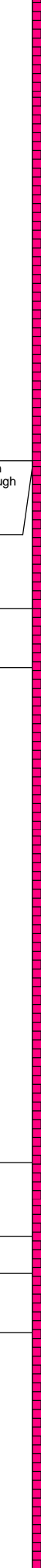
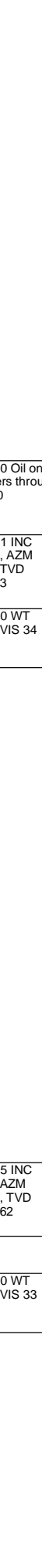
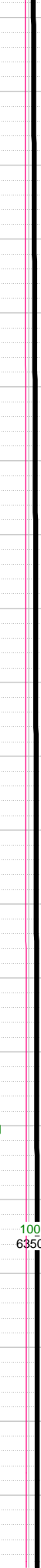
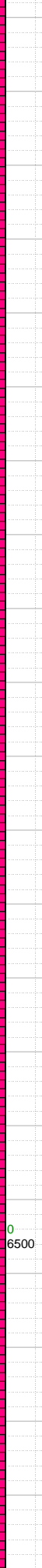
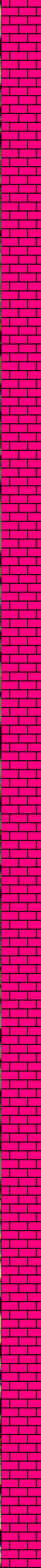
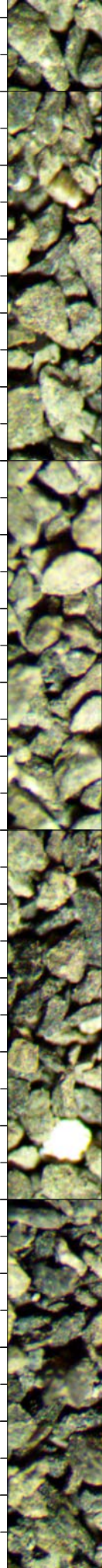
100
6150

200
6200

0 50 100
0 4000 8000

0 50 100
0 400 800

-15640
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Σ

-15700 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbpity, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

-15700 Oil on shakers through 15900

-15701 INC
91.94, AZM
87.8, TVD
6343.3

-15720 WT
9.15, VIS 34

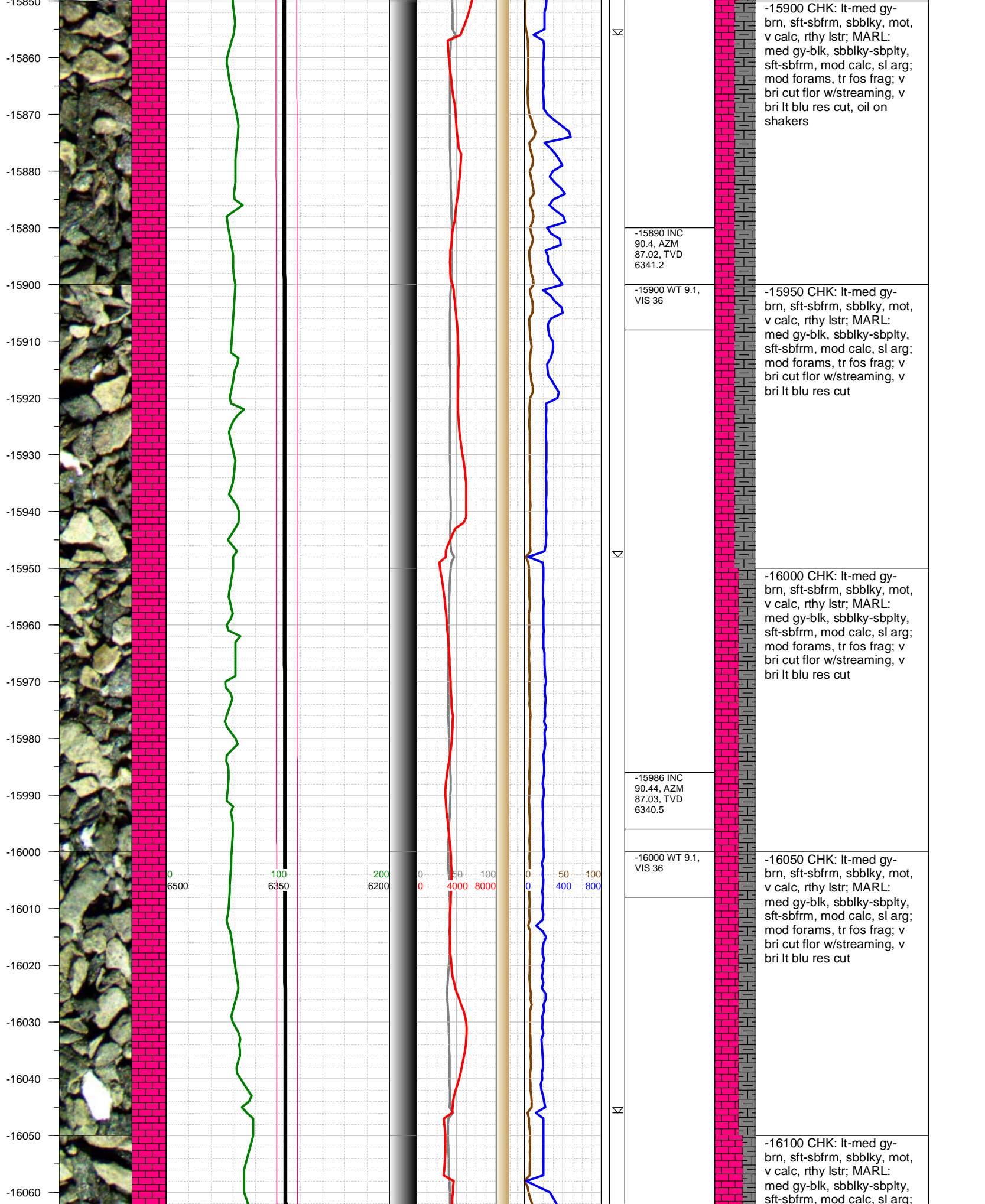
-15750 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbpity, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

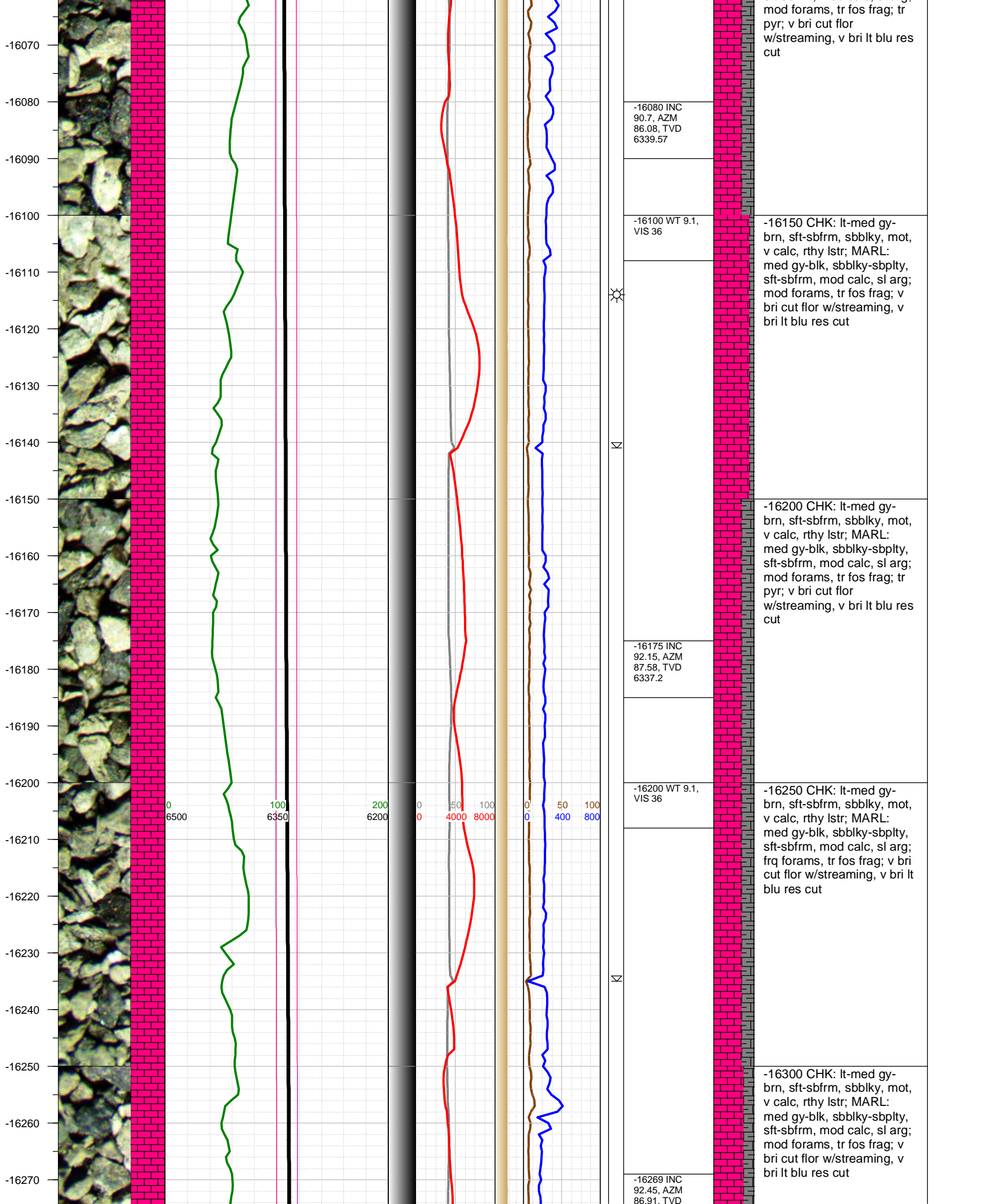
-15800 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbpity, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers

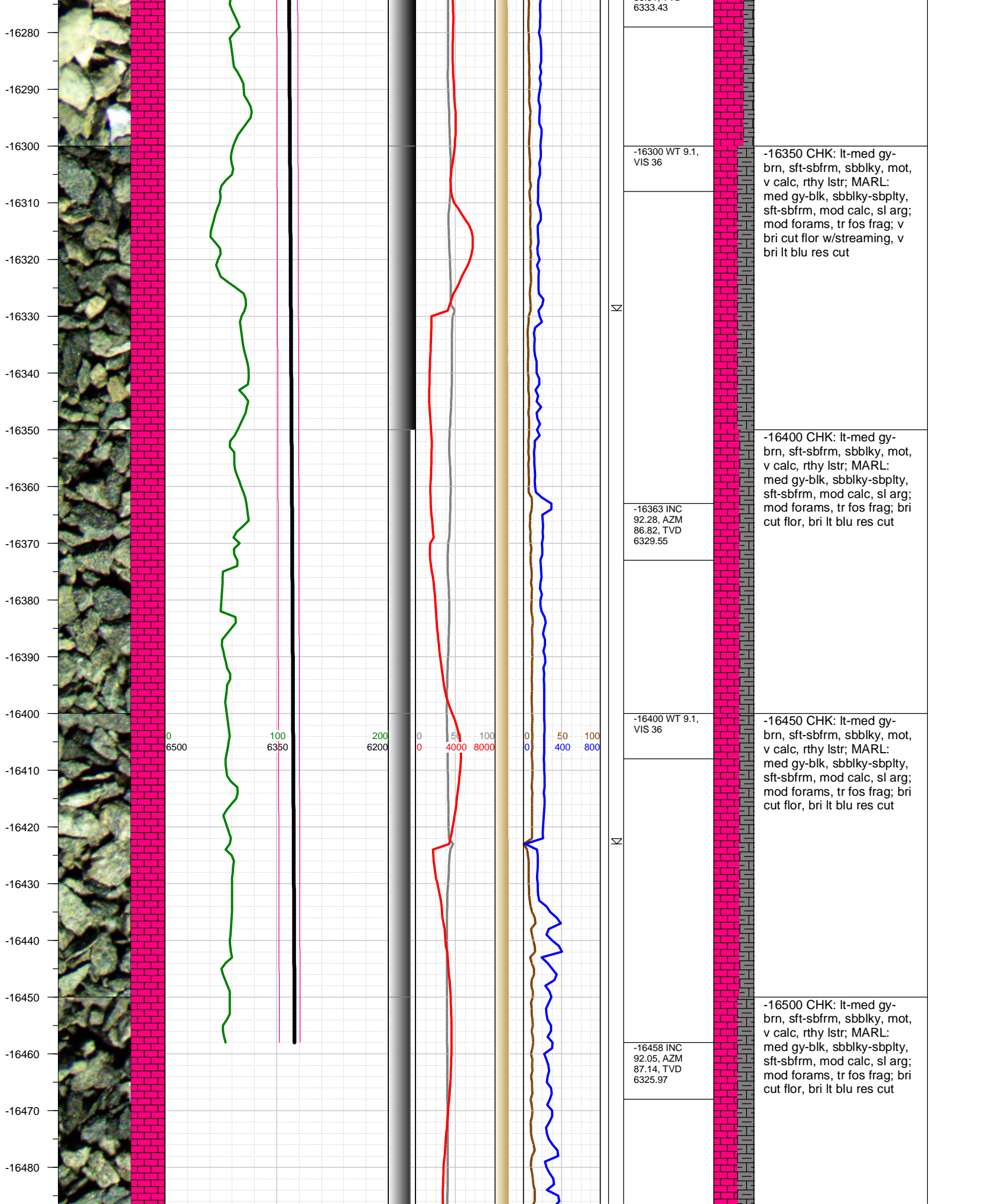
-15795 INC
90.1, AZM
87.33, TVD
6341.62

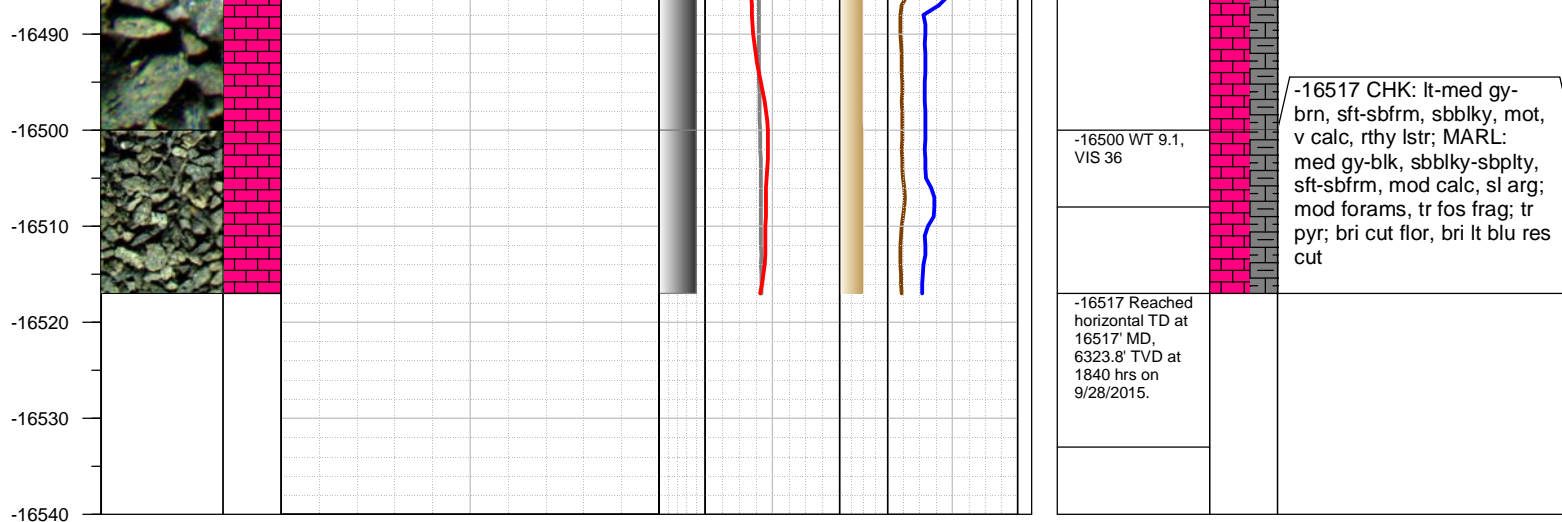
-15810 WT
9.15, VIS 33

-15850 CHK: lt-med gy-brn, sft-sbfrm, sbbkly, mot, v calc, rthy lstr; MARL: med gy-blk, sbbkly-sbpity, sft-sbfrm, mod calc, sl arg; mod forams, tr fos frag; v bri cut flor w/streaming, v bri lt blu res cut, oil on shakers









TOTAL DEPTH = 16517'

Thank you for using Earth Science Agency