OPERATOR: **Extraction Oil & Gas**
WELL NAME: **Wake North Fed 33W-25-20**

FIELD NAME: DJ Basin - Wattenberg
DRILLING RIG: Patterson 901
API #: 05-123-45008

LAT/LONG: 40.43884, -104.68352
SURFACE HOLE: SWSE S32-T6N-R65W, 855' FSL, 1618' FEL
BOTTOM HOLE: S32-T6N-R65W, 850' FSL, 1507' FEL

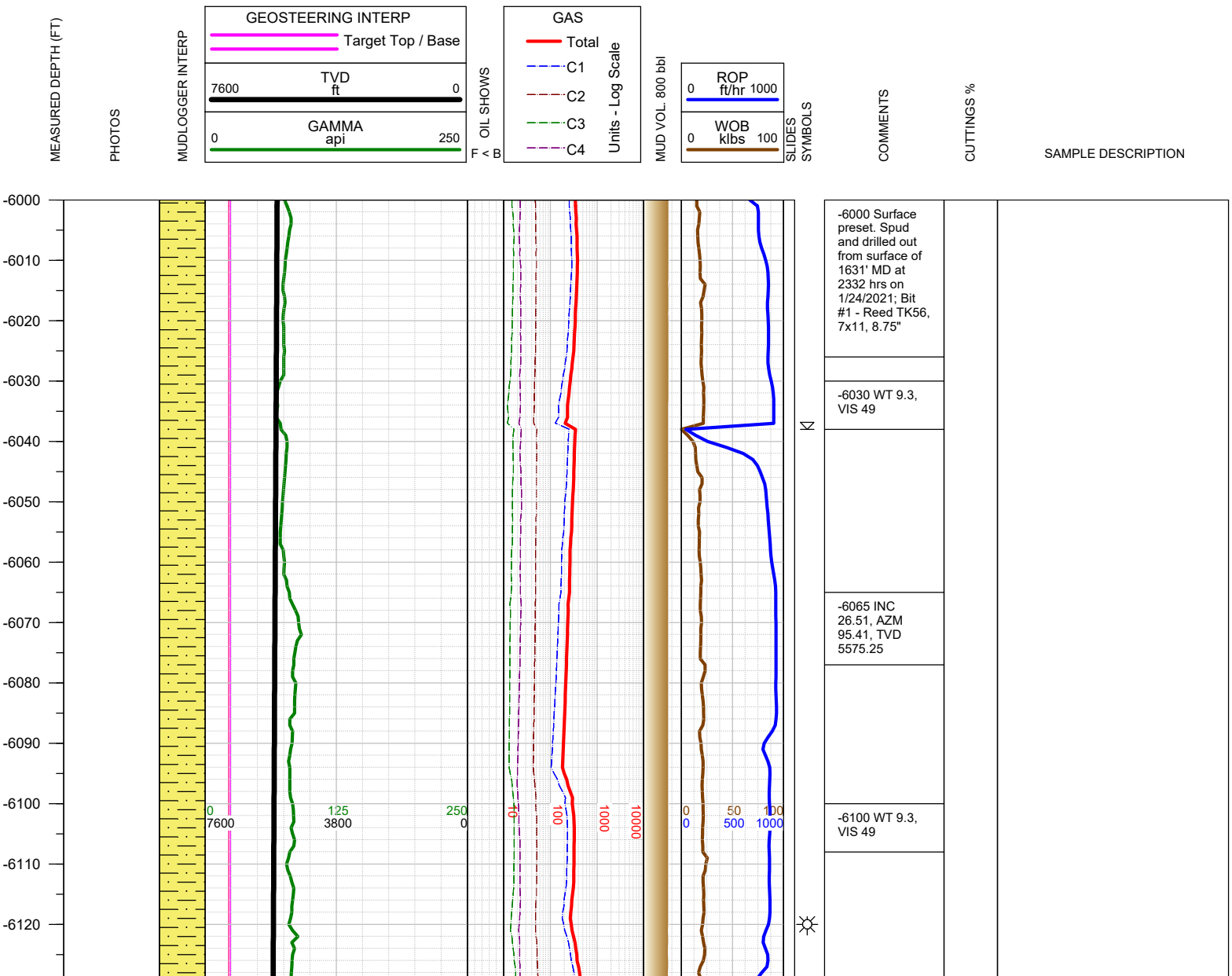
Earth Science Agency, LLC

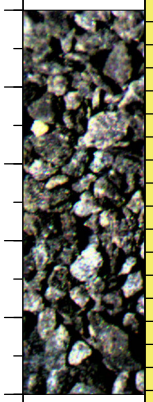
COUNTY:	Weld
STATE:	Colorado
GROUND ELEVATION:	4644'
KELLY BUSHING:	4673'
DRILLING FLUID:	OBM
TVD VS. MD:	6922' / 20741'
SPUD DATE:	January 24, 2021
TD DATE:	January 28, 2021
DEPTHS LOGGED:	6000' - 20741'
DATES LOGGED:	January 25, 2021 - January 28, 2021
GEOLOGISTS:	Ross Apodaca, Mitch Weller
SCALE:	5" = 100'

LEGEND

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

FORMATION | CONNECTION | MIDNIGHT | NEW BIT | GAS SHOW | FAULT





-6159 INC 27.44, AZM 88.49, TVD 5659.04

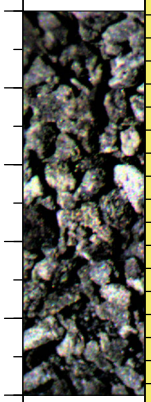
-6200 WT 9.3, VIS 42

-6250 SHLY SS: lt-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt; SHLY SLTST: med-dk gy, frm, blky-sb blky, gr-rthy, sl calc; tr fos frags; tr bent;

-6254 INC 26.65, AZM 85.5, TVD 5743.66

-6300 WT 9.3, VIS 42

-6349 INC 27.97, AZM 82.15, TVD 5828.07



-6400 WT 9.3, VIS 42

-6444 INC 28.9, AZM 82.98, TVD 5911.61

-6500 SHLY SS: lt-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt; SHLY SLTST: med-dk gy, frm, blky-sb blky, gr-rthy, sl calc; tr fos frags; tr bent;

-6500 WT 9.3, VIS 42

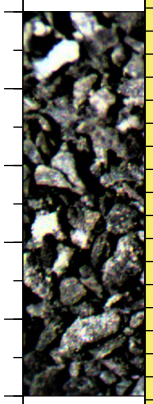
-6539 INC 26.82, AZM 83.6, TVD 5995.59

-6590 WT 9.3, VIS 42

-6606 Reached KOP at 6606' MD, 6057' TVD at 1139 hrs on 1/25/2021 and immediately began drilling the curve.

-6606 Change TVD Scale

-6634 INC 18.29, AZM 89.29, TVD 6083.26



-6700 WT 9.3, VIS 42

-6729 INC 3.93, AZM 140.05, TVD 6176.36

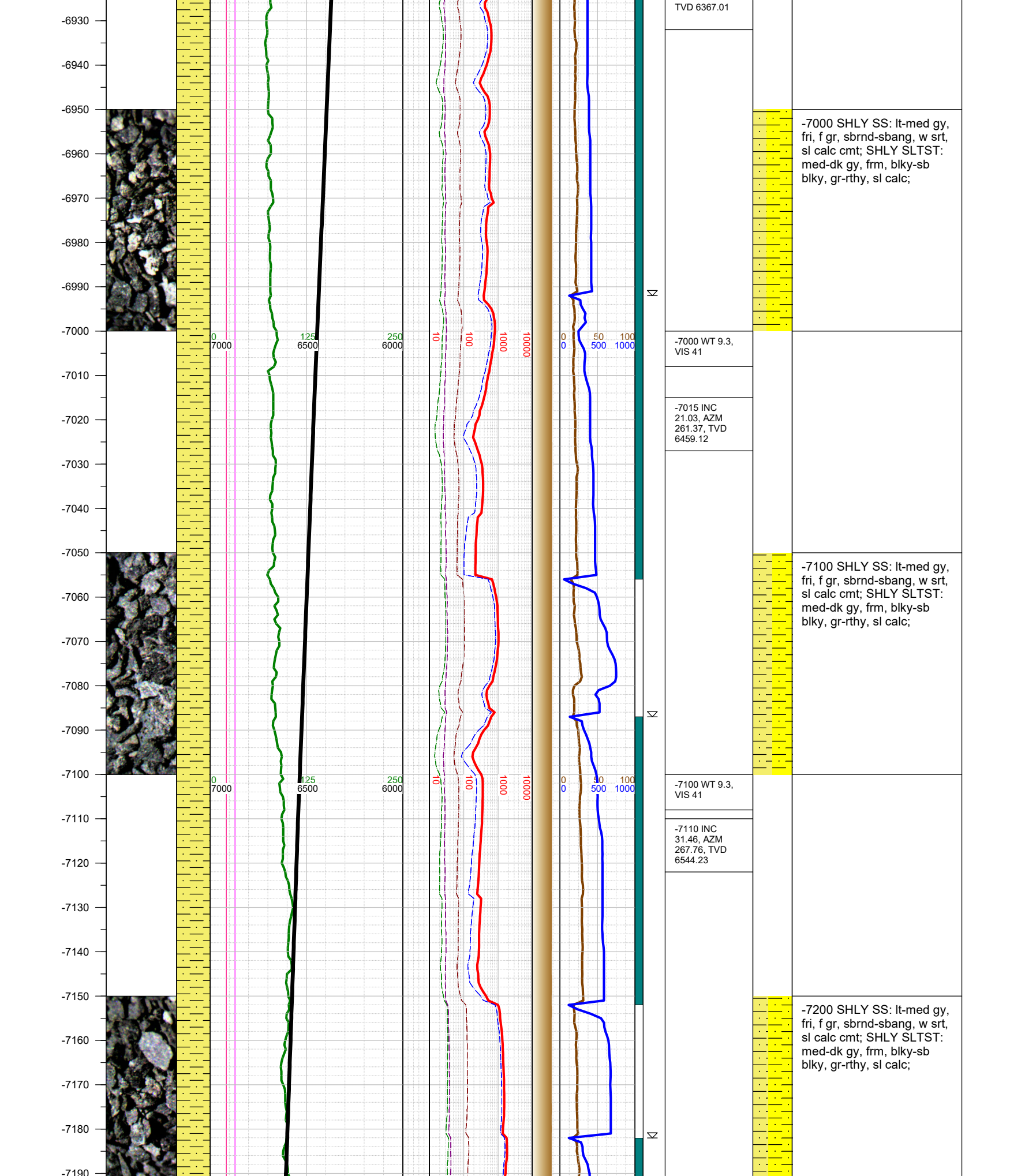
-6750 SHLY SS: lt-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt; SHLY SLTST: med-dk gy, frm, blky-sb blky, gr-rthy, sl calc; tr pyr;

-6800 WT 9.3, VIS 41

-6824 INC 2.7, AZM 305, TVD 6271.3

-6900 WT 9.3, VIS 41

-6920 INC 6.1, AZM 277.76,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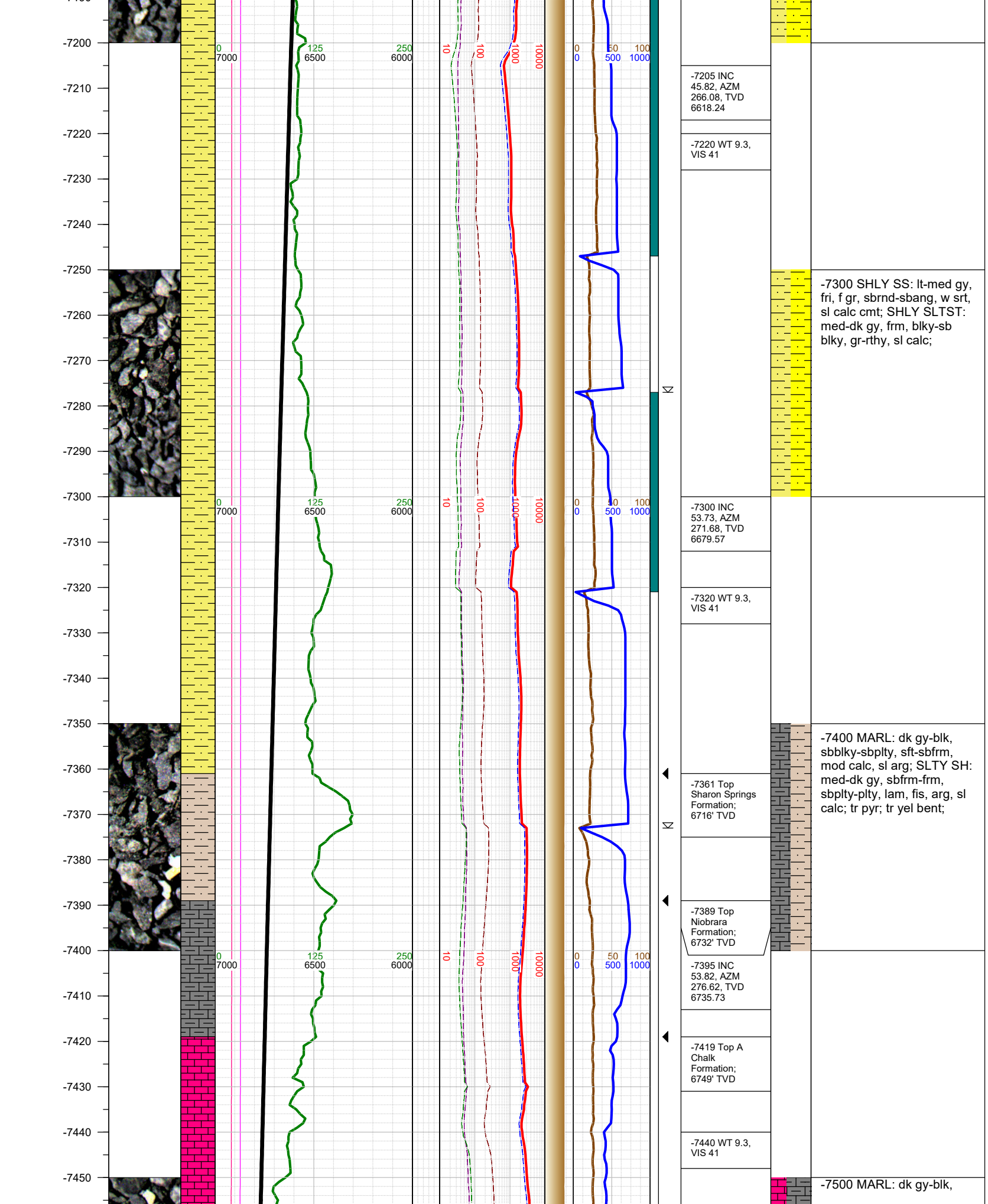
TVD 6367.01
-7000 WT 9.3, VIS 41
-7015 INC 21.03, AZM 261.37, TVD 6459.12
-7100 WT 9.3, VIS 41
-7110 INC 31.46, AZM 267.76, TVD 6544.23
-7000 SHLY SS: lt-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt; SHLY SLTST: med-dk gy, frm, blky-sb blky, gr-rthy, sl calc;
-7100 SHLY SS: lt-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt; SHLY SLTST: med-dk gy, frm, blky-sb blky, gr-rthy, sl calc;
-7200 SHLY SS: lt-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt; SHLY SLTST: med-dk gy, frm, blky-sb blky, gr-rthy, sl calc;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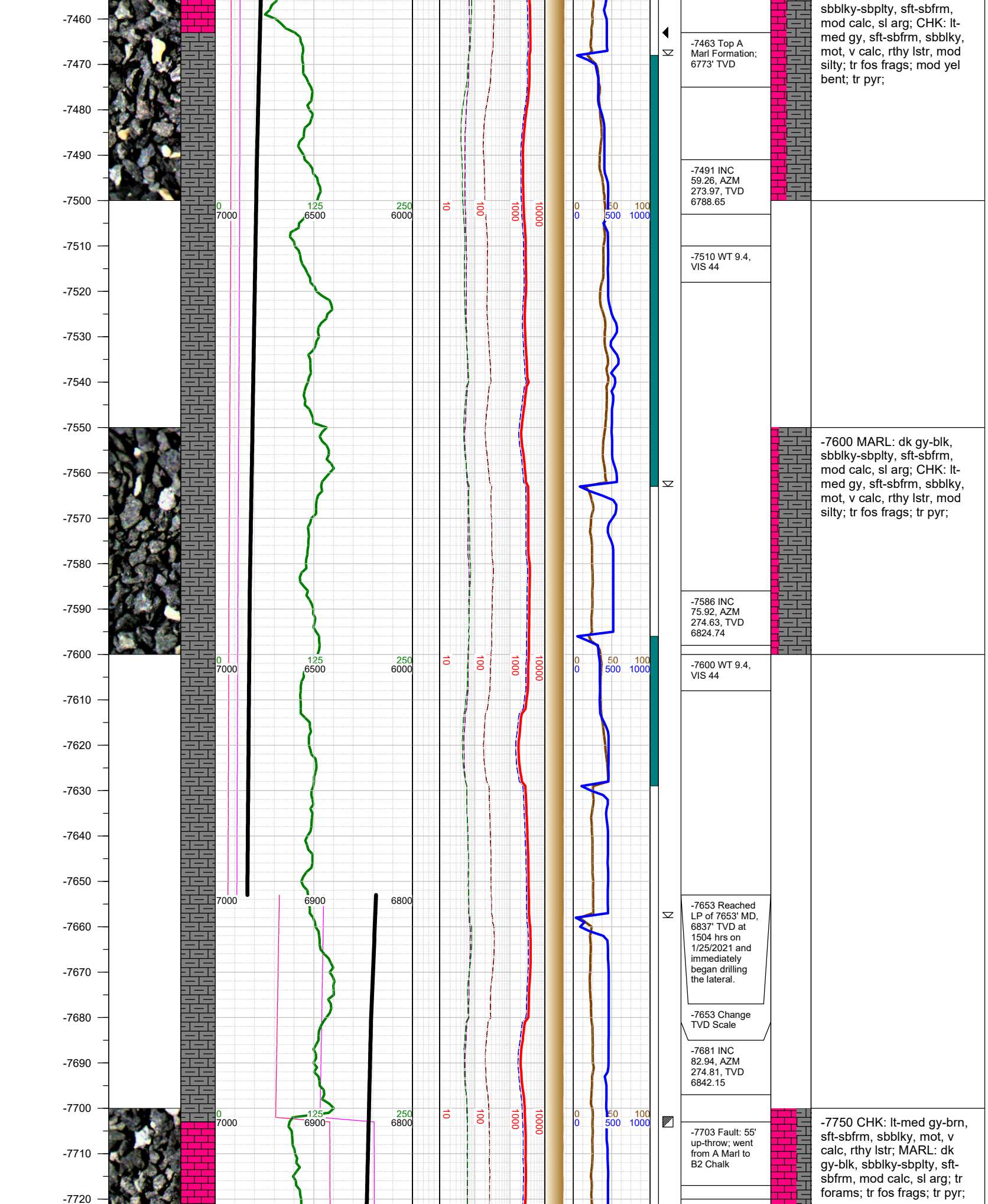
-7205 INC 45.82, AZM 266.08, TVD 6618.24
-7220 WT 9.3, VIS 41
-7300 SHLY SS: lt-med gy, fri, f gr, sbrnd-sbang, w srt, sl calc cmt; SHLY SLTST: med-dk gy, frm, blky-sb blky, gr-rthy, sl calc;
-7300 INC 53.73, AZM 271.68, TVD 6679.57
-7320 WT 9.3, VIS 41
-7361 Top Sharon Springs Formation; 6716' TVD
-7400 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; SLTY SH: med-dk gy, sbfrm-frm, sbplty-plty, lam, fis, arg, sl calc; tr pyr; tr yel bent;
-7389 Top Niobrara Formation; 6732' TVD
-7395 INC 53.82, AZM 276.62, TVD 6735.73
-7419 Top A Chalk Formation; 6749' TVD
-7440 WT 9.3, VIS 41
-7500 MARL: dk gy-blk,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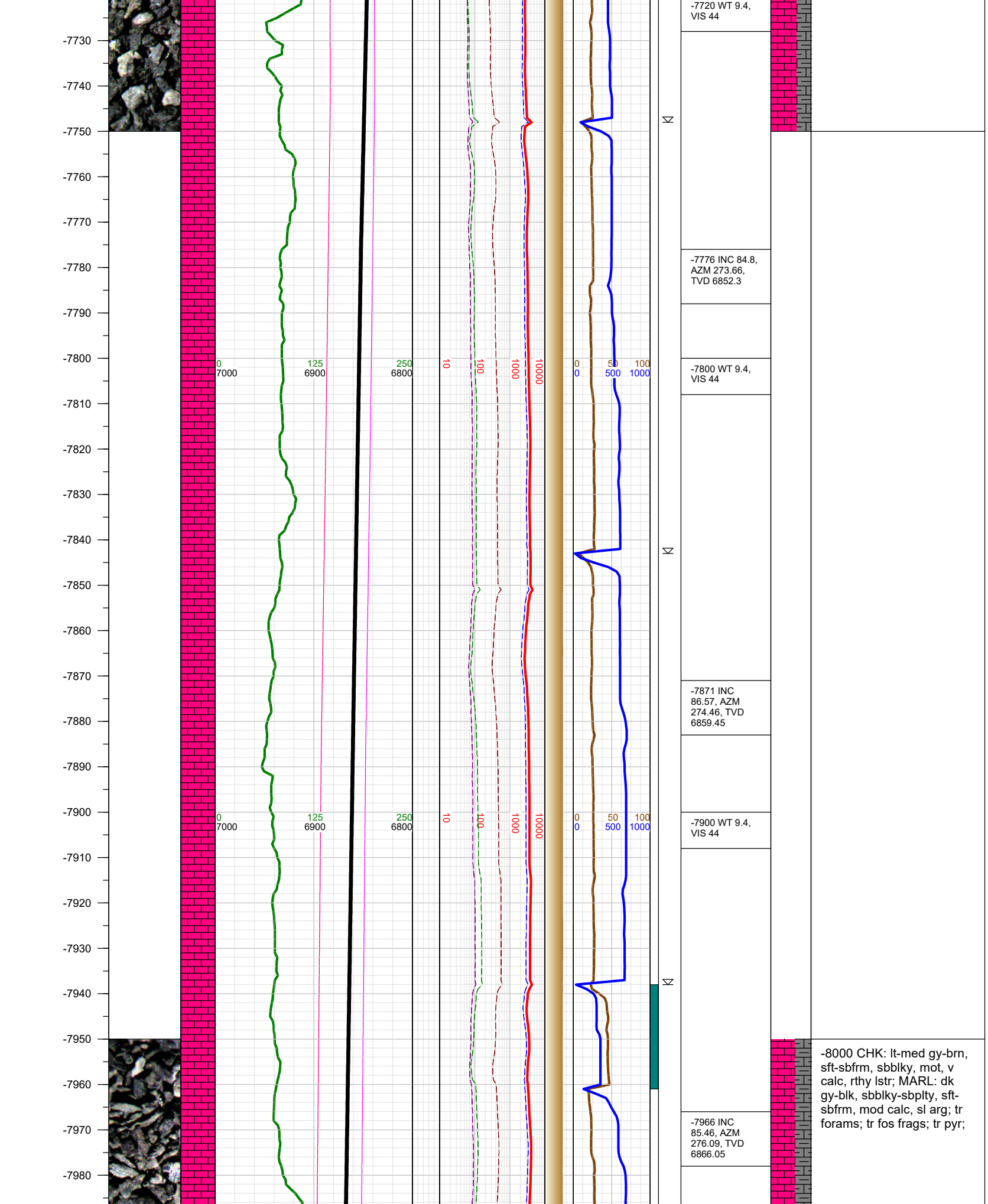
sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, mod silty; tr fos frags; mod yel bent; tr pyr;
-7463 Top A Marl Formation; 6773' TVD
-7491 INC 59.26, AZM 273.97, TVD 6788.65
-7510 WT 9.4, VIS 44
-7600 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, mod silty; tr fos frags; tr pyr;
-7586 INC 75.92, AZM 274.63, TVD 6824.74
-7600 WT 9.4, VIS 44
-7653 Reached LP of 7653' MD, 6837' TVD at 1504 hrs on 1/25/2021 and immediately began drilling the lateral.
-7653 Change TVD Scale
-7681 INC 82.94, AZM 274.81, TVD 6842.15
-7703 Fault: 55' up-throw; went from A Marl to B2 Chalk
-7750 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 frags; tr pyr;


-7720 WT 9.4, VIS 44
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-7776 INC 84.8, AZM 273.66, TVD 6852.3
-7800 WT 9.4, VIS 44
-7871 INC 86.57, AZM 274.46, TVD 6859.45
-7900 WT 9.4, VIS 44
-7966 INC 85.46, AZM 276.09, TVD 6866.05
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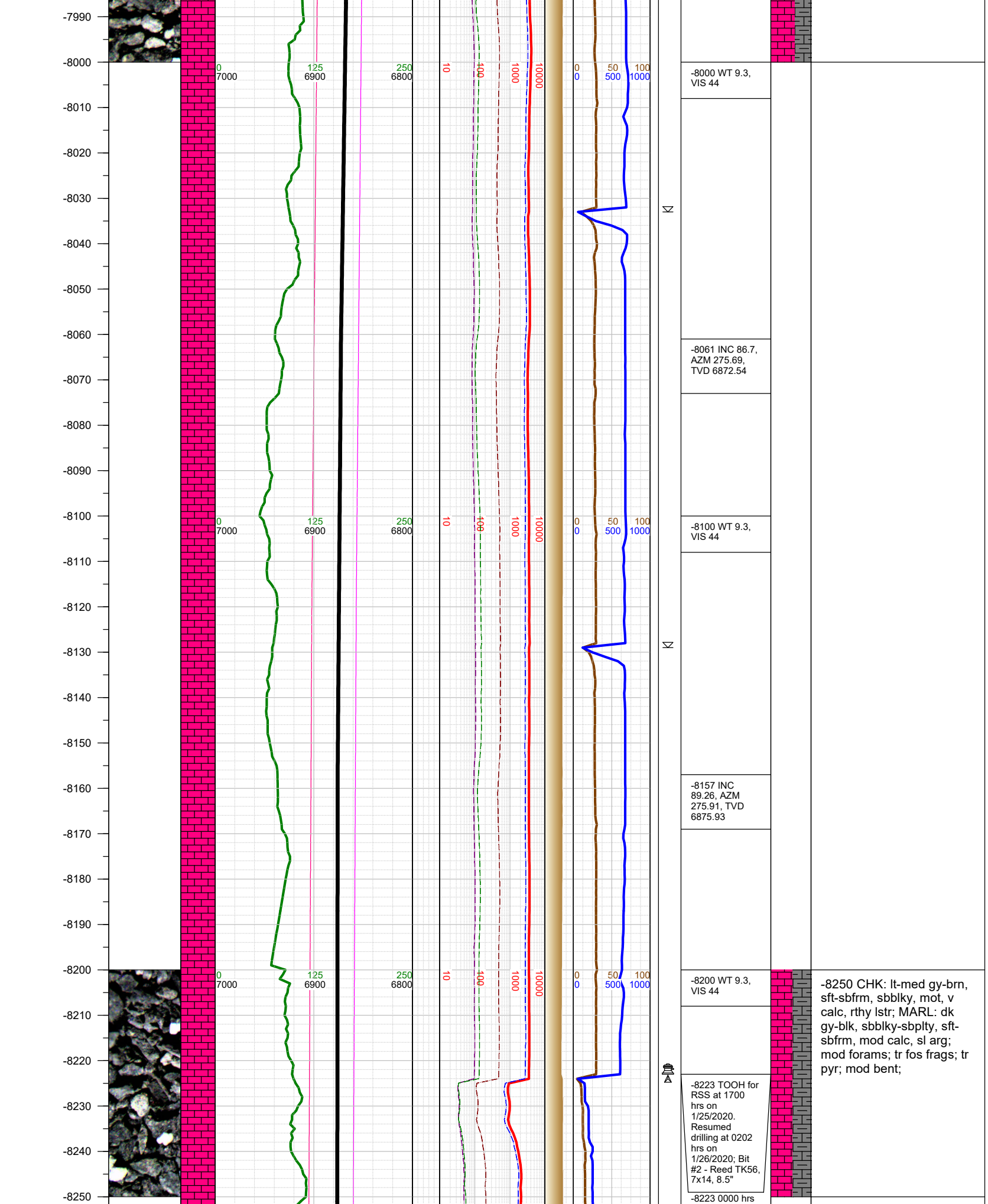
-8000 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr;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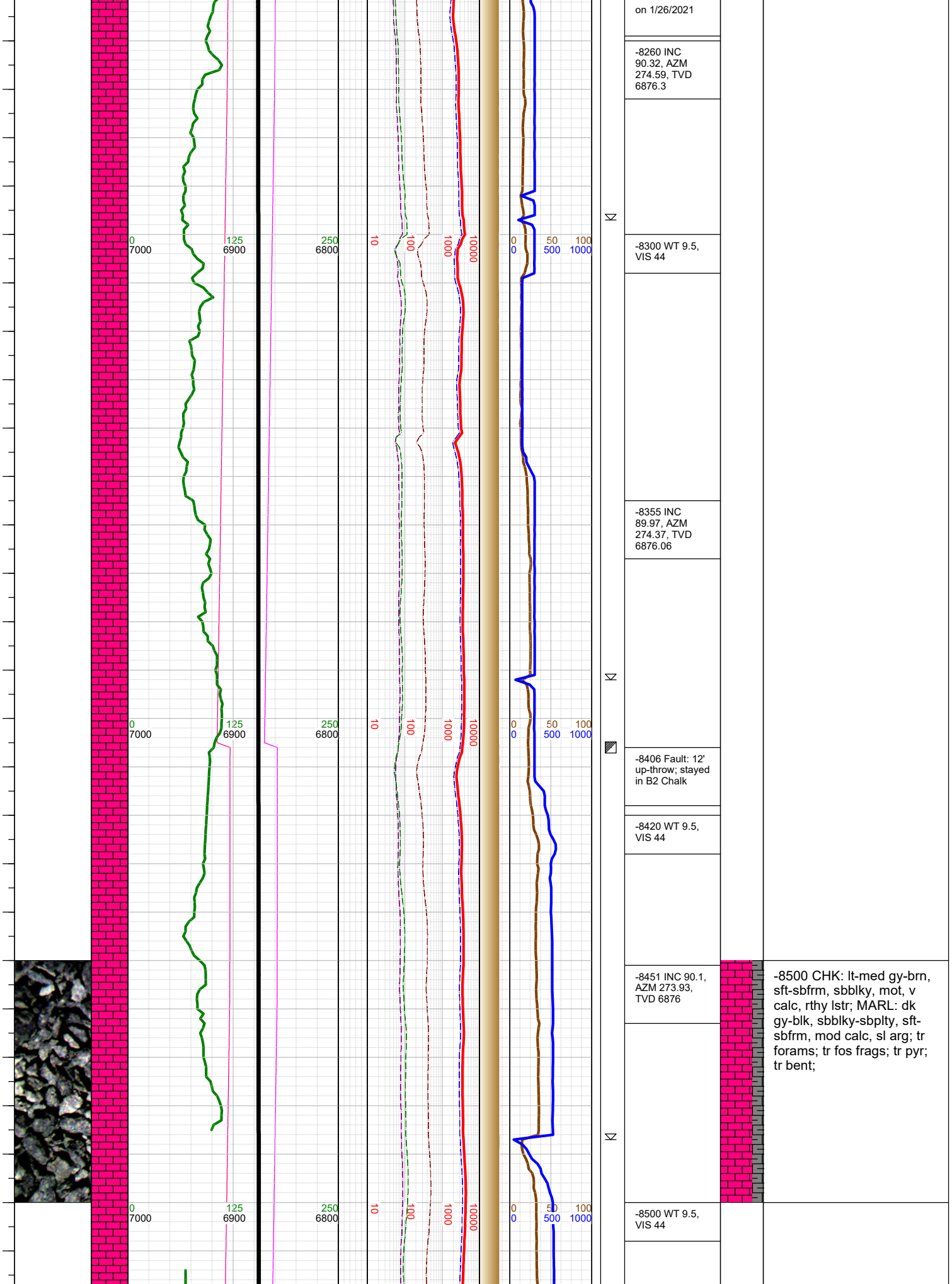
-8000 WT 9.3, VIS 44
-8061 INC 86.7, AZM 275.69, TVD 6872.54
-8100 WT 9.3, VIS 44
-8157 INC 89.26, AZM 275.91, TVD 6875.93
-8200 WT 9.3, VIS 44
-8223 TOOH for RSS at 1700 hrs on 1/25/2020. Resumed drilling at 0202 hrs on 1/26/2020; Bit #2 - Reed TK56, 7x14, 8.5"
-8223 0000 hrs
-8250 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; mod forams; tr fos frags; tr pyr; mod bent;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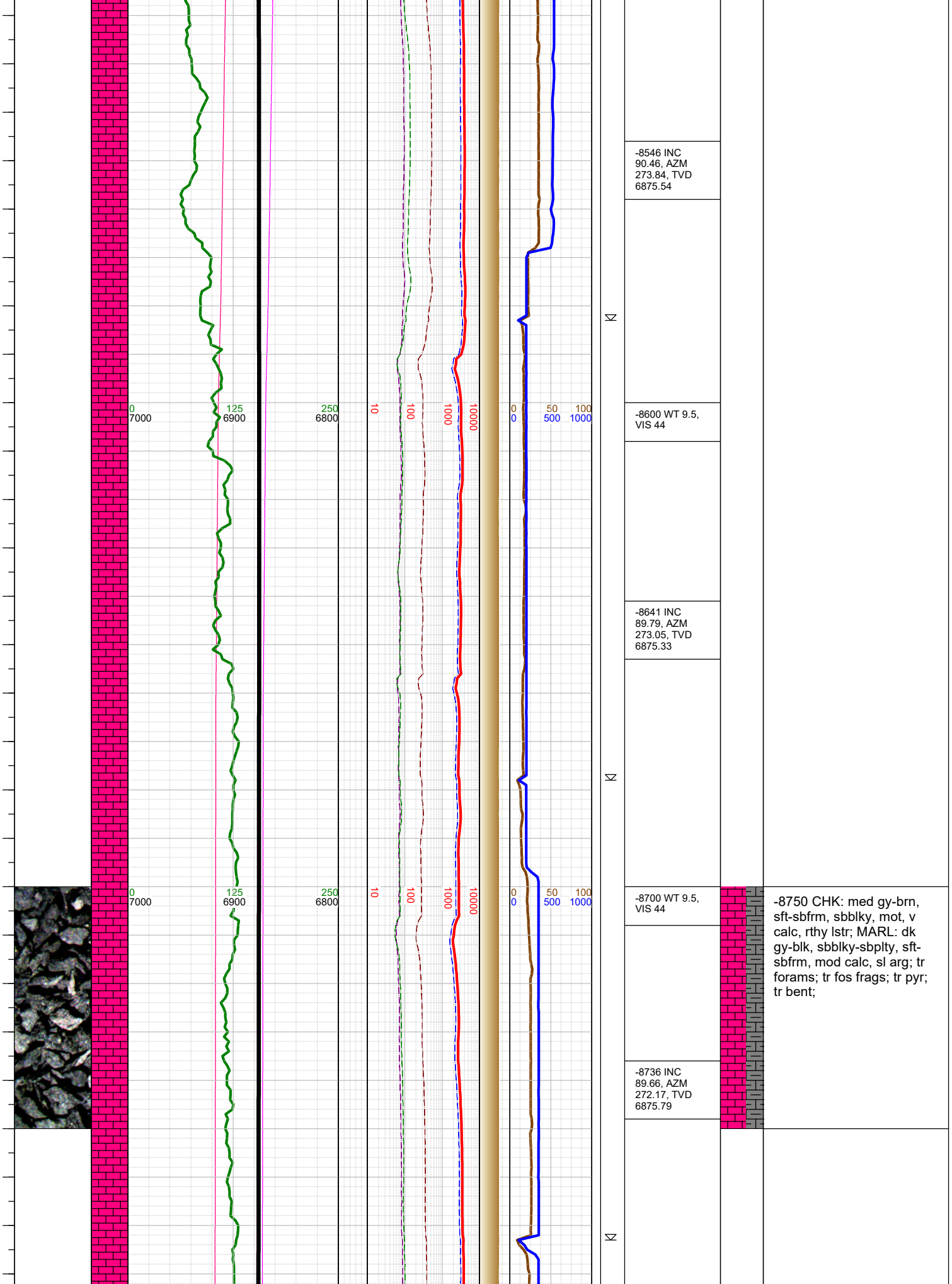
on 1/26/2021
-8260 INC 90.32, AZM 274.59, TVD 6876.3
-8300 WT 9.5, VIS 44
-8355 INC 89.97, AZM 274.37, TVD 6876.06
-8406 Fault: 12' up-throw; stayed in B2 Chalk
-8420 WT 9.5, VIS 44
-8451 INC 90.1, AZM 273.93, TVD 6876
-8500 WT 9.5, VIS 44
-8500 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr; tr bent;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-8546 INC
90.46, AZM
273.84, TVD
6875.54
-8600 WT 9.5,
VIS 44
-8641 INC
89.79, AZM
273.05, TVD
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-8700 WT 9.5,
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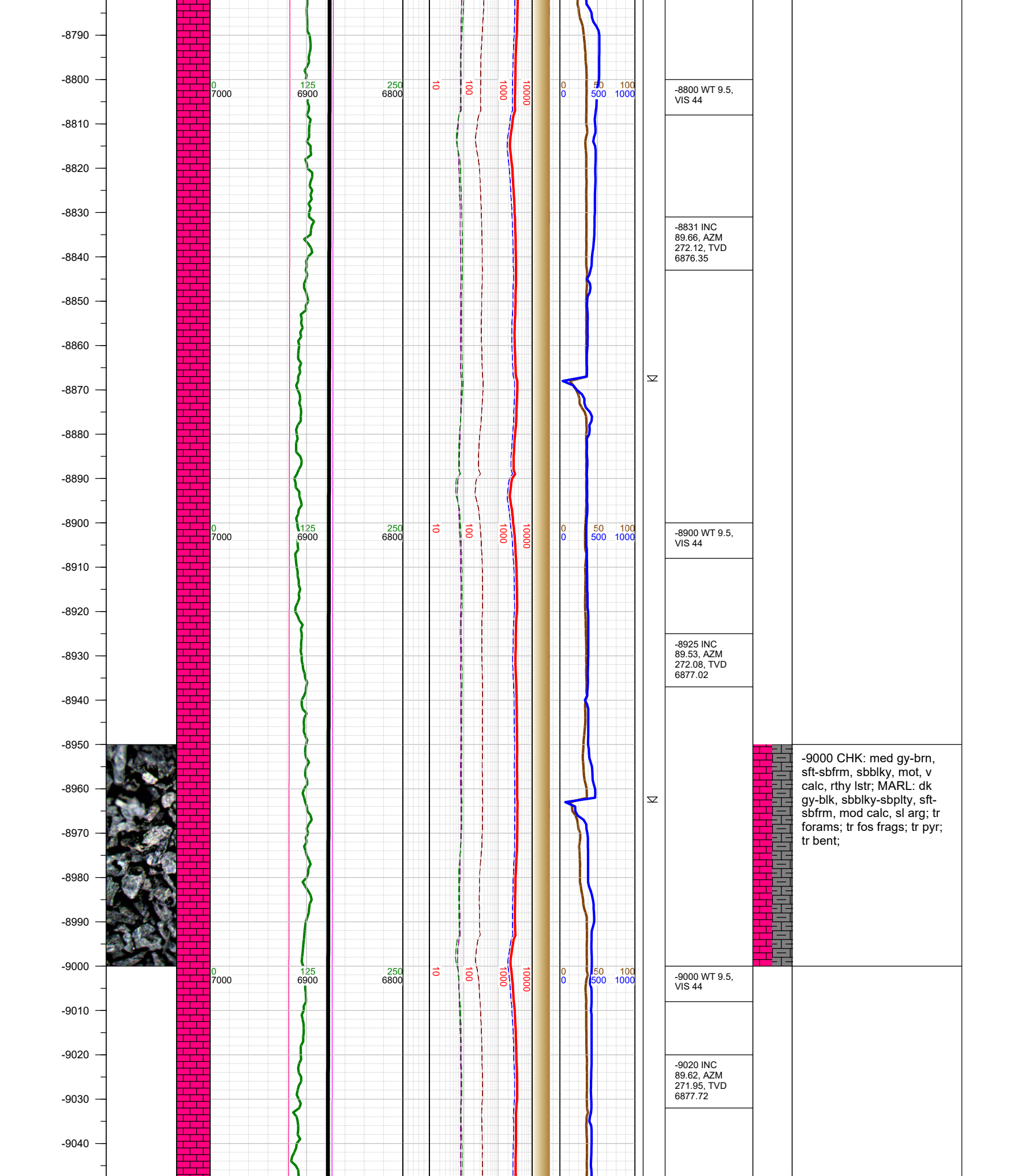
-8736 INC
89.66, AZM
272.17, TVD
6875.79
-8750 CHK: med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr; tr bent;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-8800 WT 9.5, VIS 44
-8831 INC 89.66, AZM 272.12, TVD 6876.35
-8900 WT 9.5, VIS 44
-8925 INC 89.53, AZM 272.08, TVD 6877.02
-9000 CHK: 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 frags; tr pyr; tr bent;
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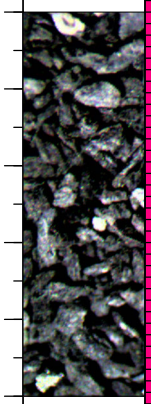
-9020 INC 89.62, AZM 271.95, TVD 6877.72



-9100 WT 9.5, VIS 44

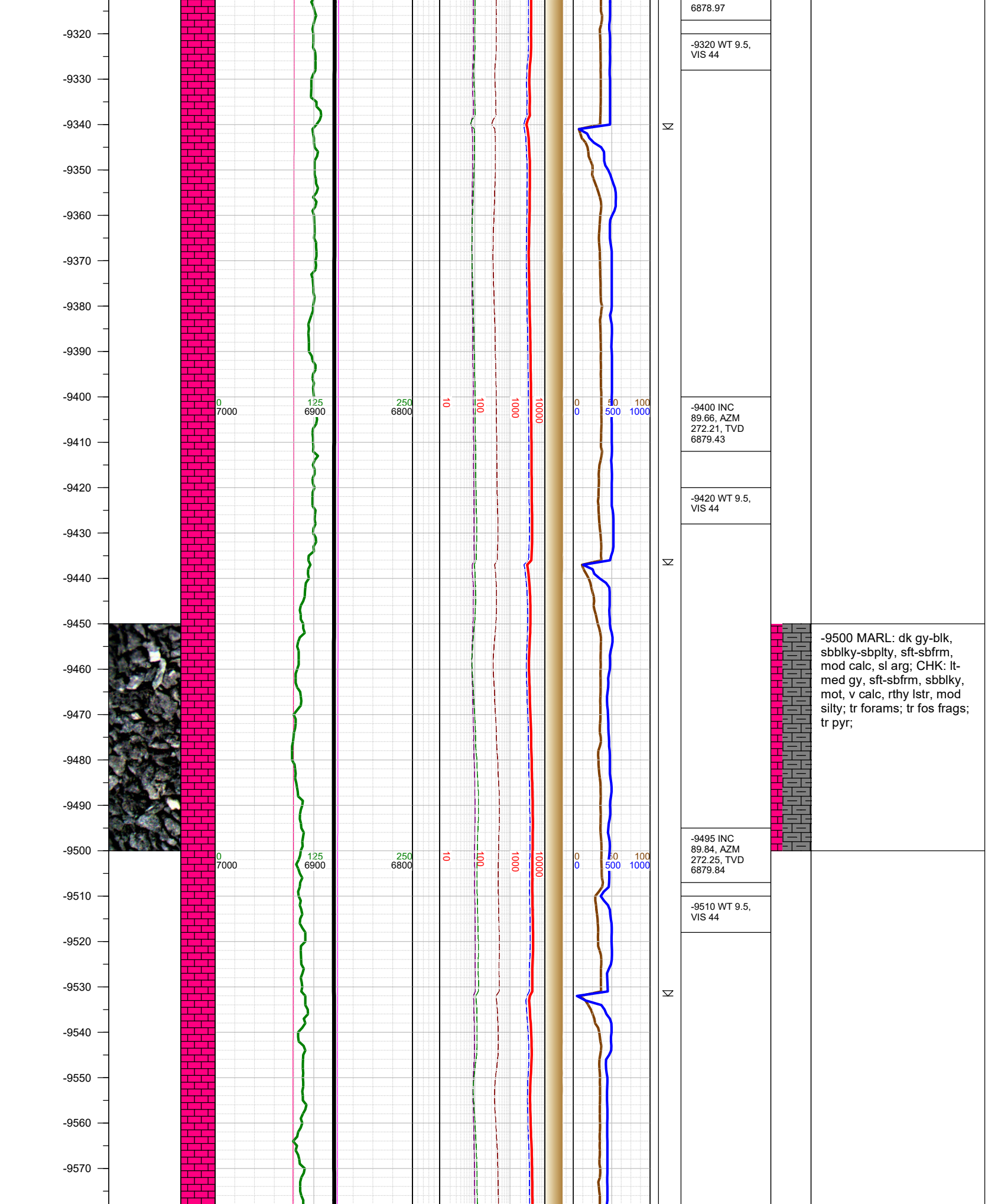
-9115 INC 89.66, AZM 271.95, TVD 6878.32

-9200 WT 9.5, VIS 44

-9210 INC 89.88, AZM 272.12, TVD 6878.7

-9250 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, mod silty; tr forams; tr fos frags; tr pyr;

-9305 INC 89.79, AZM 272.25, TVD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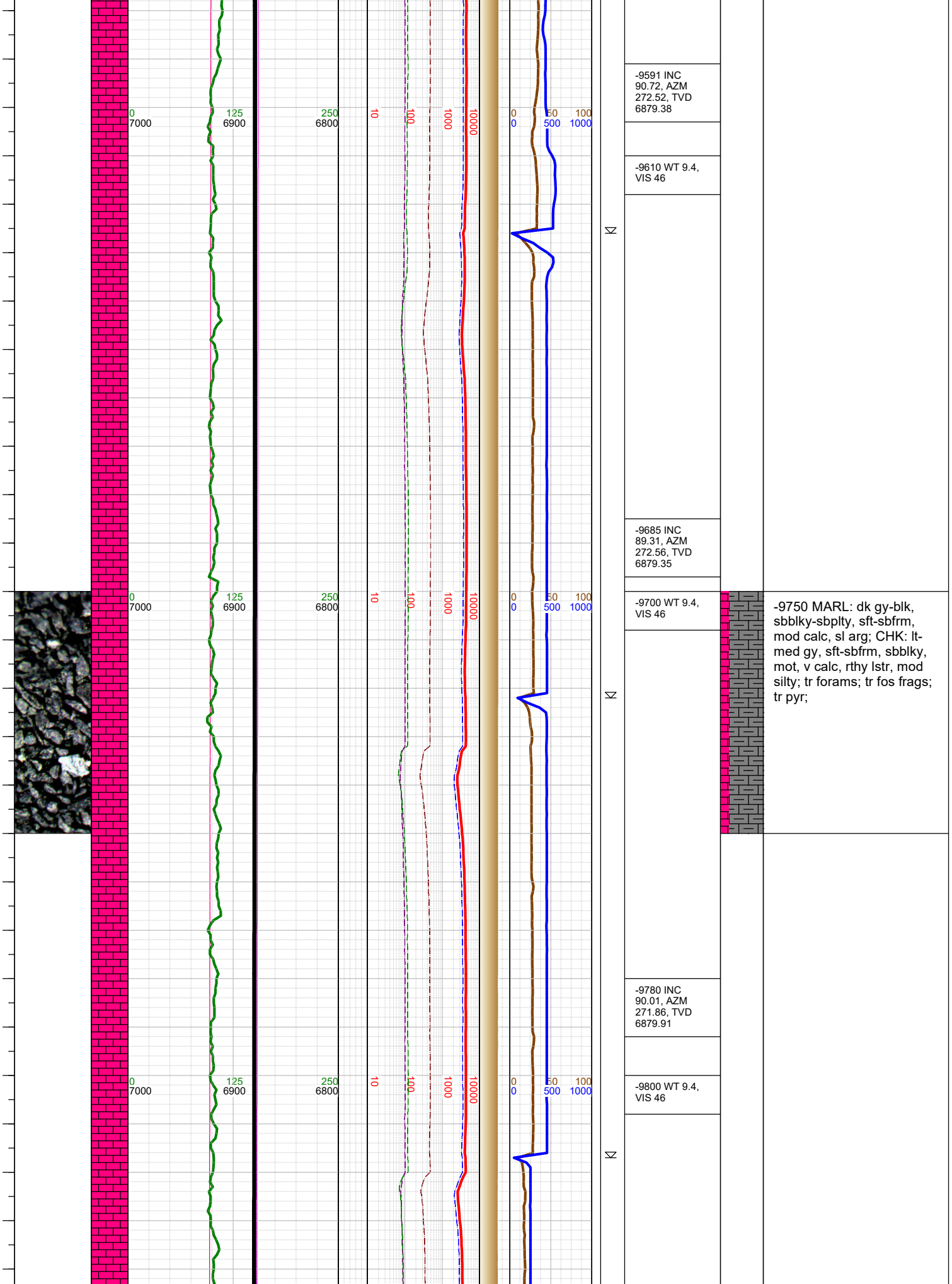
-9400 INC 89.66, AZM 272.21, TVD 6879.43
-9420 WT 9.5, VIS 44
-9495 INC 89.84, AZM 272.25, TVD 6879.84
-9510 WT 9.5, VIS 44
-9500 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, mod silty; tr forams; tr fos frags; tr pyr;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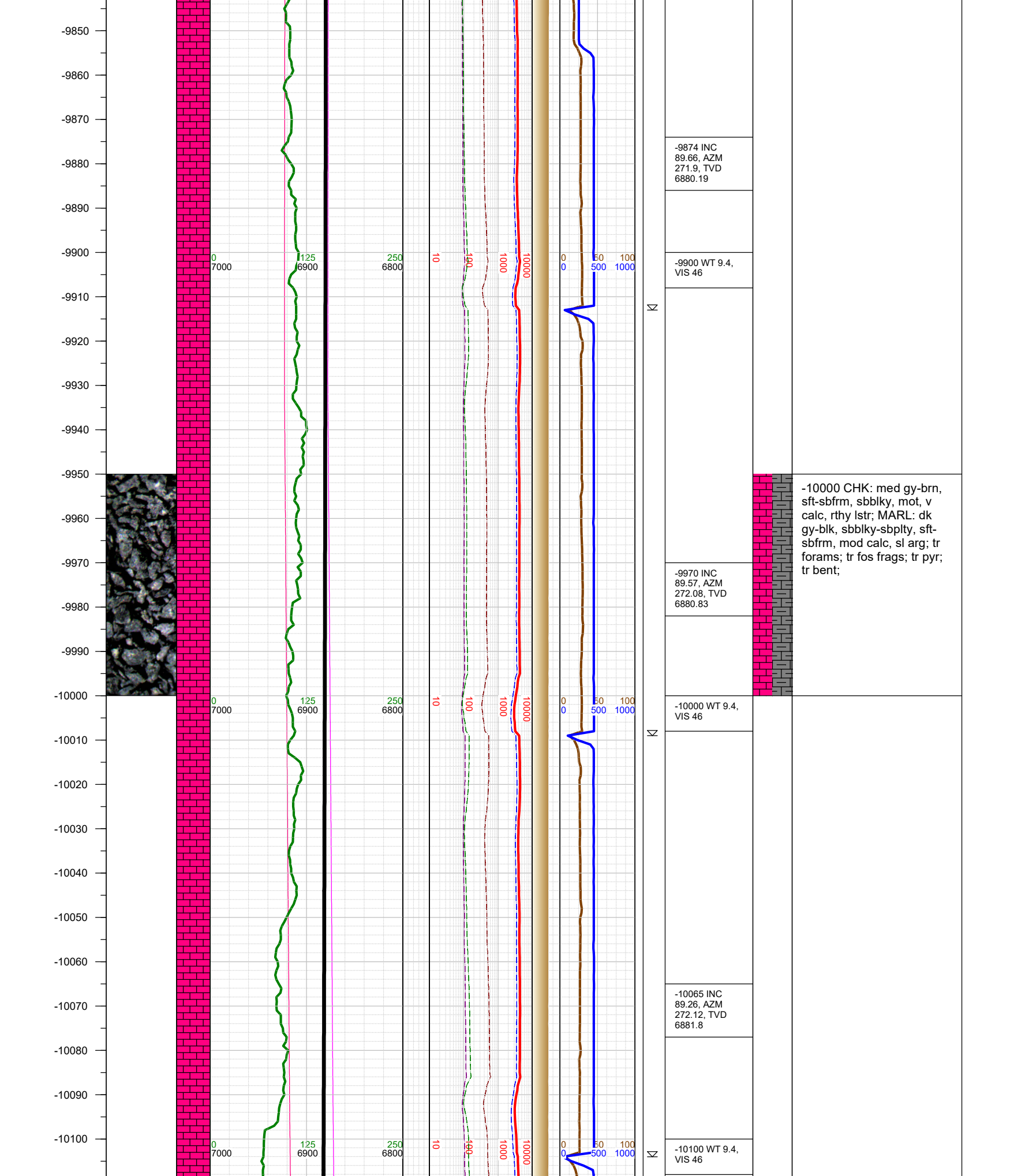
-9591 INC 90.72, AZM 272.52, TVD 6879.38
-9610 WT 9.4, VIS 46
-9685 INC 89.31, AZM 272.56, TVD 6879.35
-9700 WT 9.4, VIS 46
-9750 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, mod silty; tr forams; tr fos frags; tr pyr;
-9780 INC 90.01, AZM 271.86, TVD 6879.91
-9800 WT 9.4, VIS 46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-9874 INC 89.66, AZM 271.9, TVD 6880.19
-9900 WT 9.4, VIS 46
-9970 INC 89.57, AZM 272.08, TVD 6880.83
-10000 WT 9.4, VIS 46
-10065 INC 89.26, AZM 272.12, TVD 6881.8
-10100 WT 9.4, VIS 46
-10000 CHK: 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 frags; tr pyr; tr bent;

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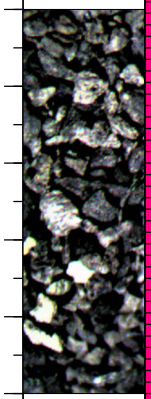

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-10160 INC 89.04, AZM 272.08, TVD 6883.21

-10200 WT 9.4, VIS 46

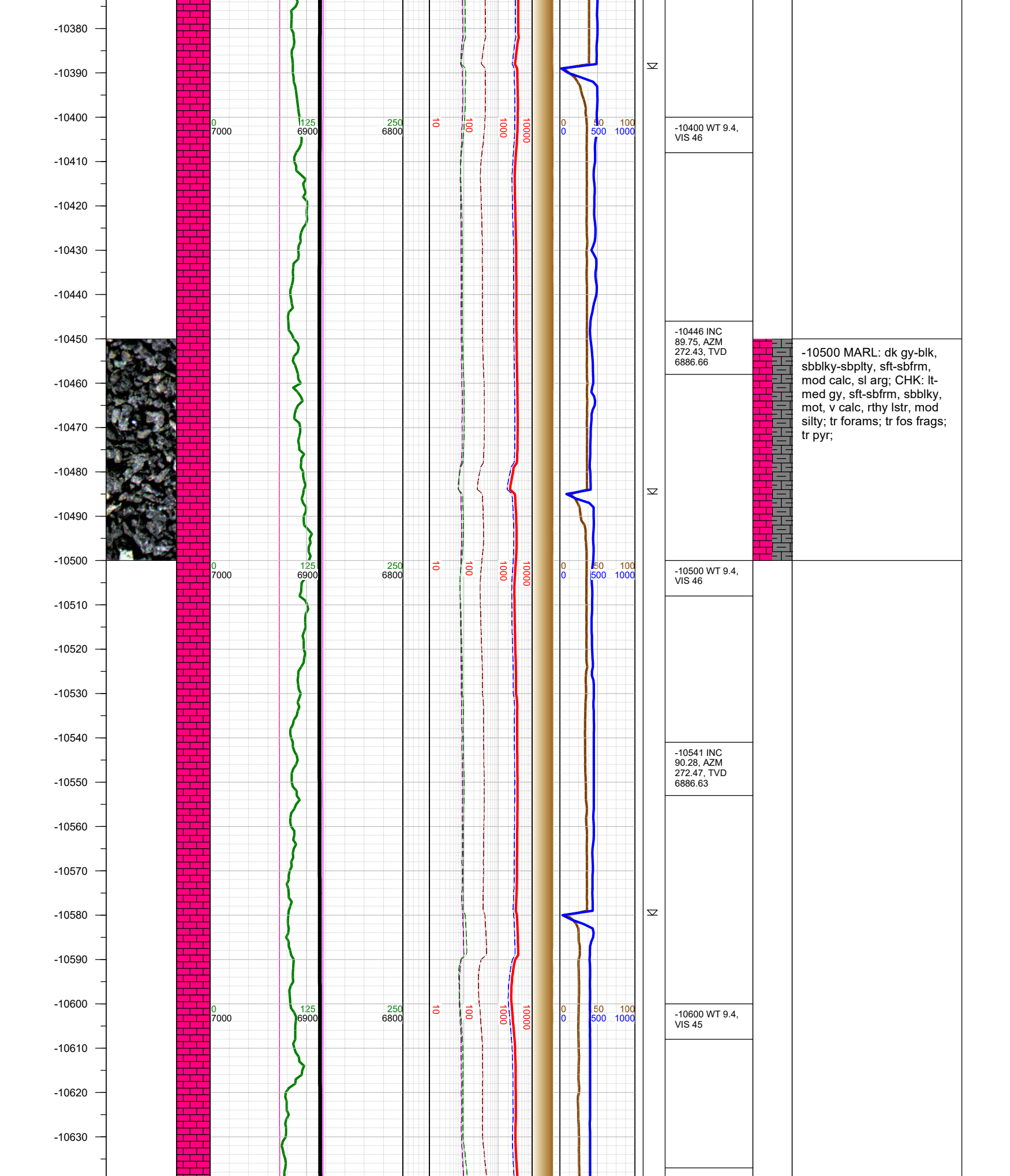
-10250 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr bent; tr forams; tr fos frags; tr pyr;

-10255 INC 89.13, AZM 272.12, TVD 6884.73

-10297 Fault: 18' down-throw; stayed in B2 Chalk

-10310 WT 9.4, VIS 46

-10350 INC 89.4, AZM 272.25, TVD 6885.95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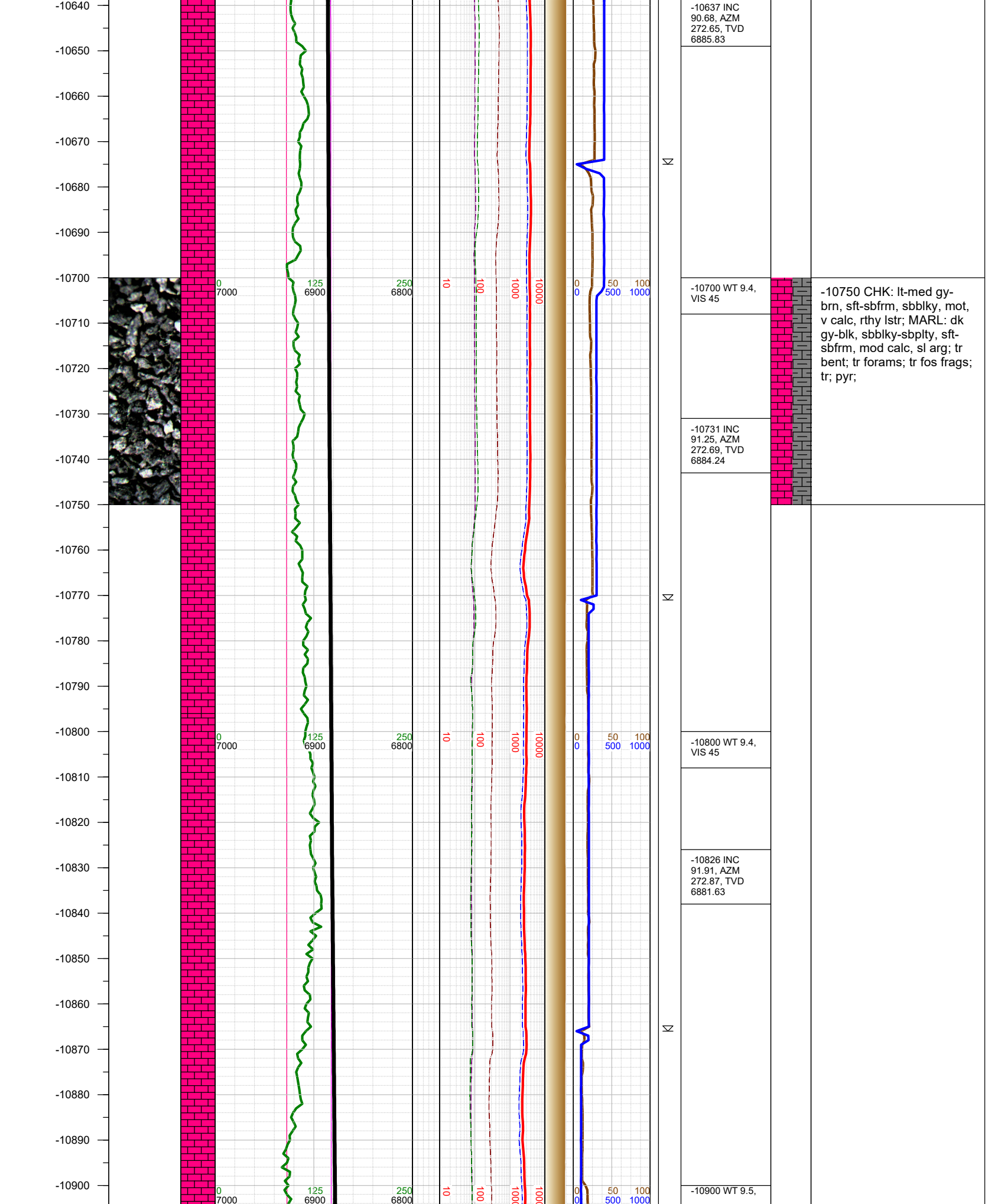
-10400 WT 9.4, VIS 46
-10446 INC 89.75, AZM 272.43, TVD 6886.66
-10500 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, mod silty; tr forams; tr fos frags; tr pyr;
-10500 WT 9.4, VIS 46
-10541 INC 90.28, AZM 272.47, TVD 6886.63
-10600 WT 9.4, VIS 45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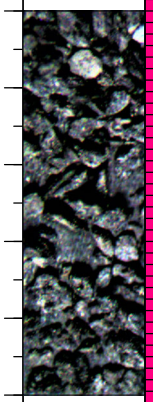
-10637 INC 90.68, AZM 272.65, TVD 6885.83
-10700 WT 9.4, VIS 45
-10731 INC 91.25, AZM 272.69, TVD 6884.24
-10750 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr bent; tr forams; tr fos frags; tr; pyr;
-10800 WT 9.4, VIS 45
-10826 INC 91.91, AZM 272.87, TVD 6881.63
-10900 WT 9.5,



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-10922 INC 92.62, AZM 272.74, TVD 6877.83

-10937 TOOH for RSS at 1235 hrs on 1/26/2020. Resumed drilling at 2312 hrs on 1/26/2020.

-10943 TOOH for RSS at 2335 hrs on 1/26/2020. Resumed drilling at 0846 hrs on 1/27/2020.

-10943 0000 hrs on 1/27/2021

-11000 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, mod silty; tr forams; tr fos frags; tr bent; tr pyr;

-11000 WT 9.8, VIS 50

-11017 INC 91.74, AZM 272.17, TVD 6874.22

-11100 WT 9.7, VIS 50

-11112 INC 90.59, AZM 271.42, TVD 6872.29

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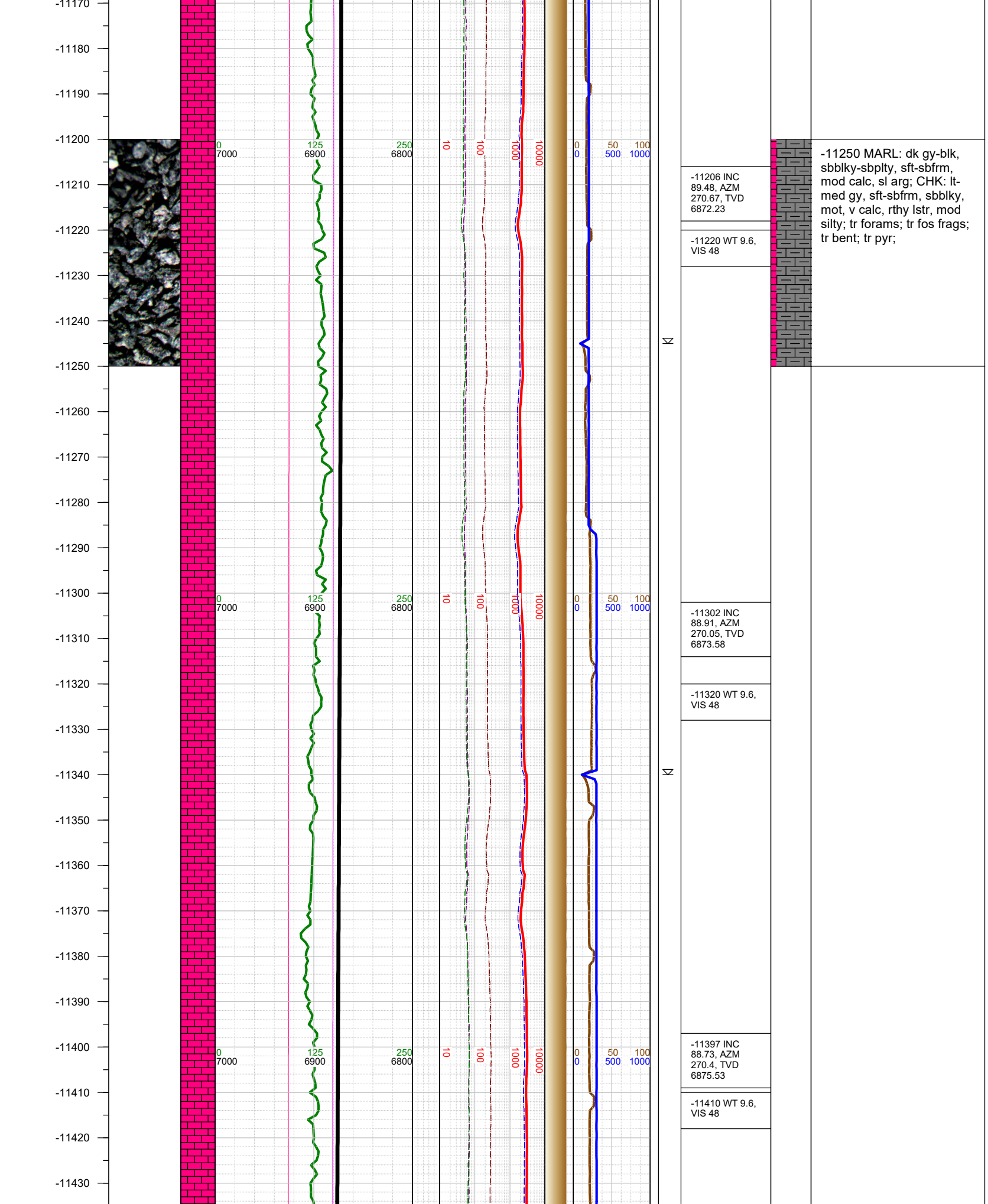
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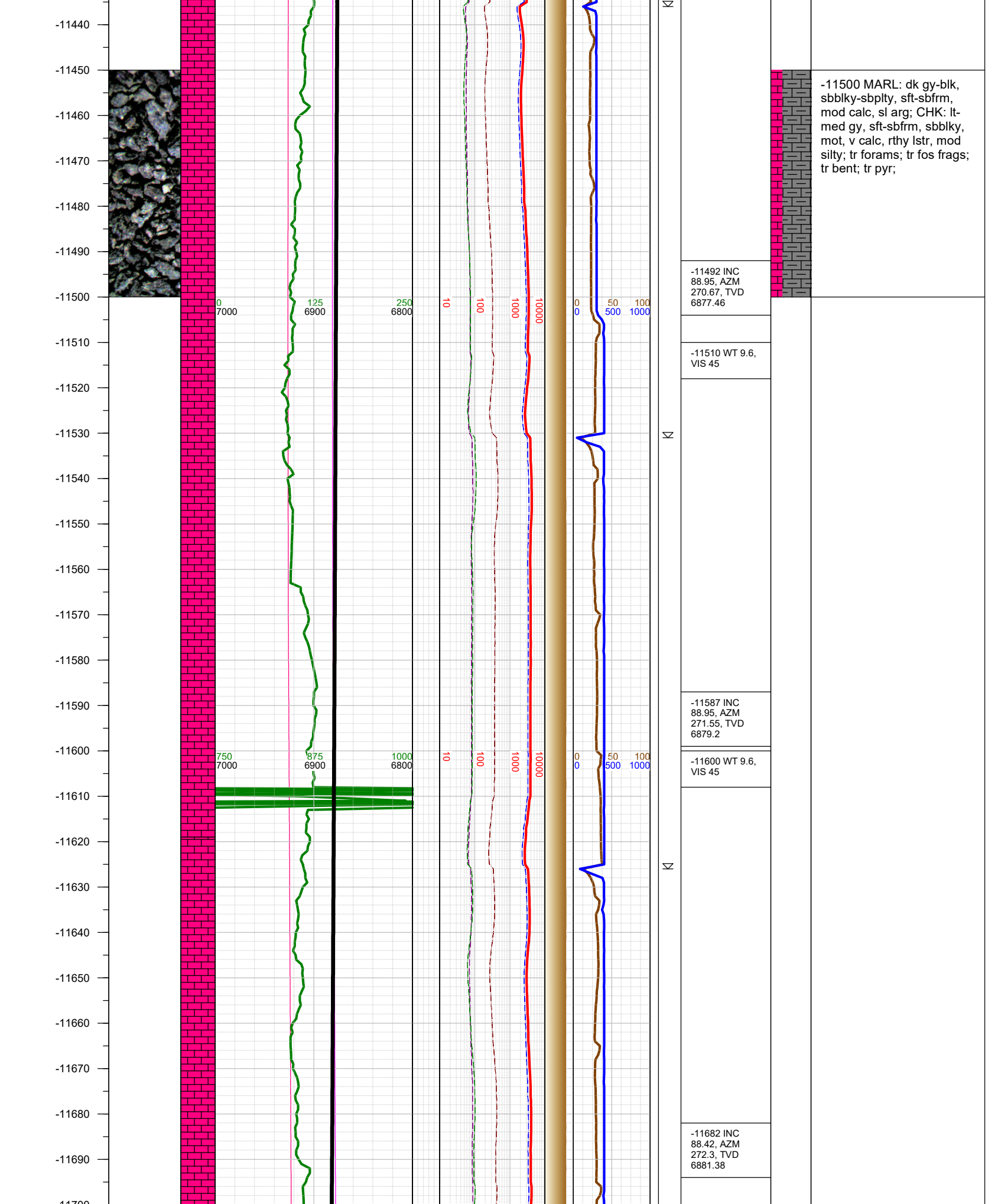
-11250 MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; CHK: lt-med gy, sft-sbfrm, sbblky, mot, v calc, rthy lstr, mod silty; tr forams; tr fos frags; tr bent; tr pyr;
-11206 INC 89.48, AZM 270.67, TVD 6872.23
-11220 WT 9.6, VIS 48
-11302 INC 88.91, AZM 270.05, TVD 6873.58
-11320 WT 9.6, VIS 48
-11397 INC 88.73, AZM 270.4, TVD 6875.53
-11410 WT 9.6, VIS 48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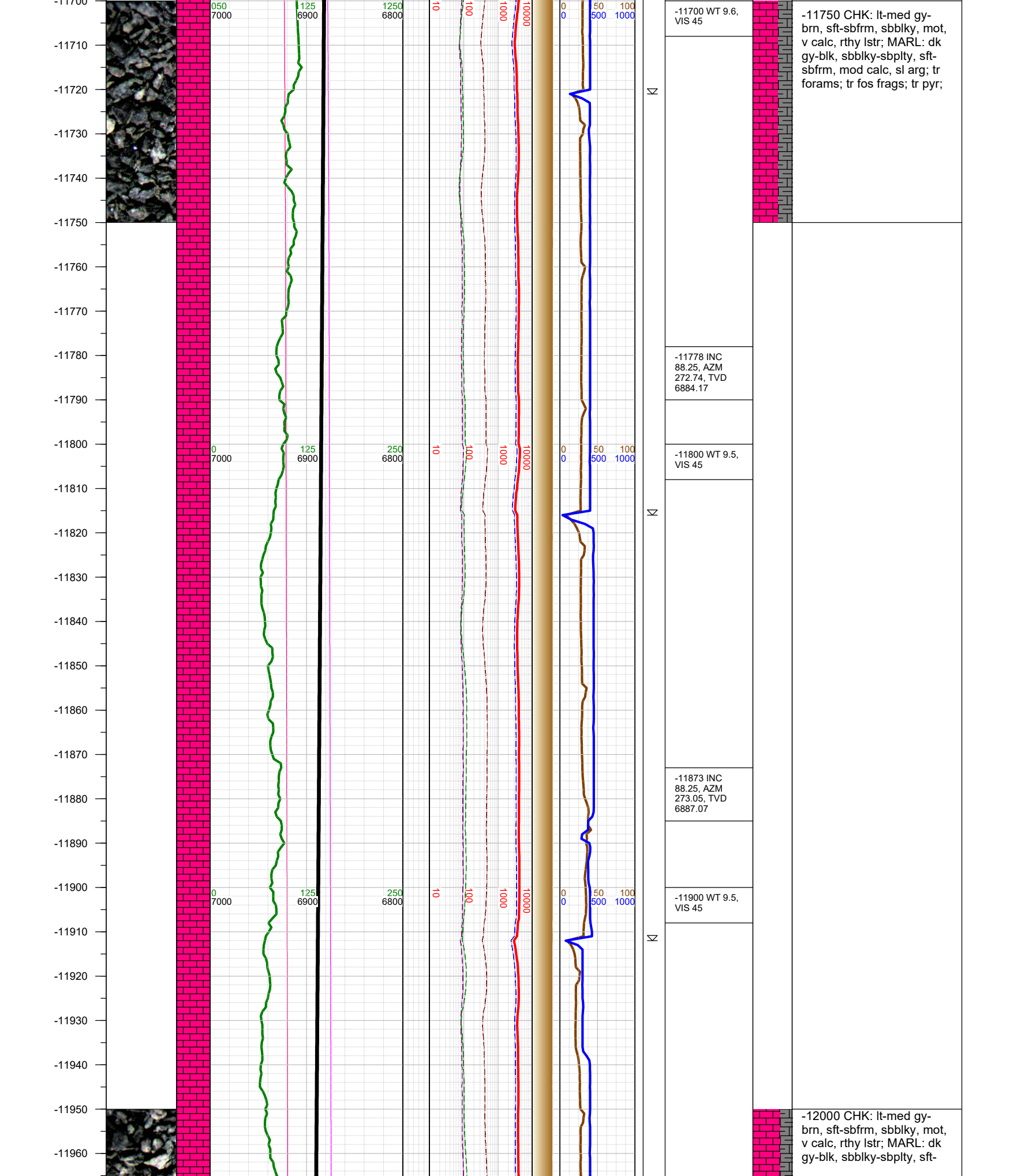
-11492 INC 88.95, AZM 270.67, TVD 6877.46
-11510 WT 9.6, VIS 45
-11587 INC 88.95, AZM 271.55, TVD 6879.2
-11600 WT 9.6, VIS 45
-11682 INC 88.42, AZM 272.3, TVD 6881.38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-11750 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr;
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-11873 INC 88.25, AZM 273.05, TVD 6887.07
-11900 WT 9.5, VIS 45
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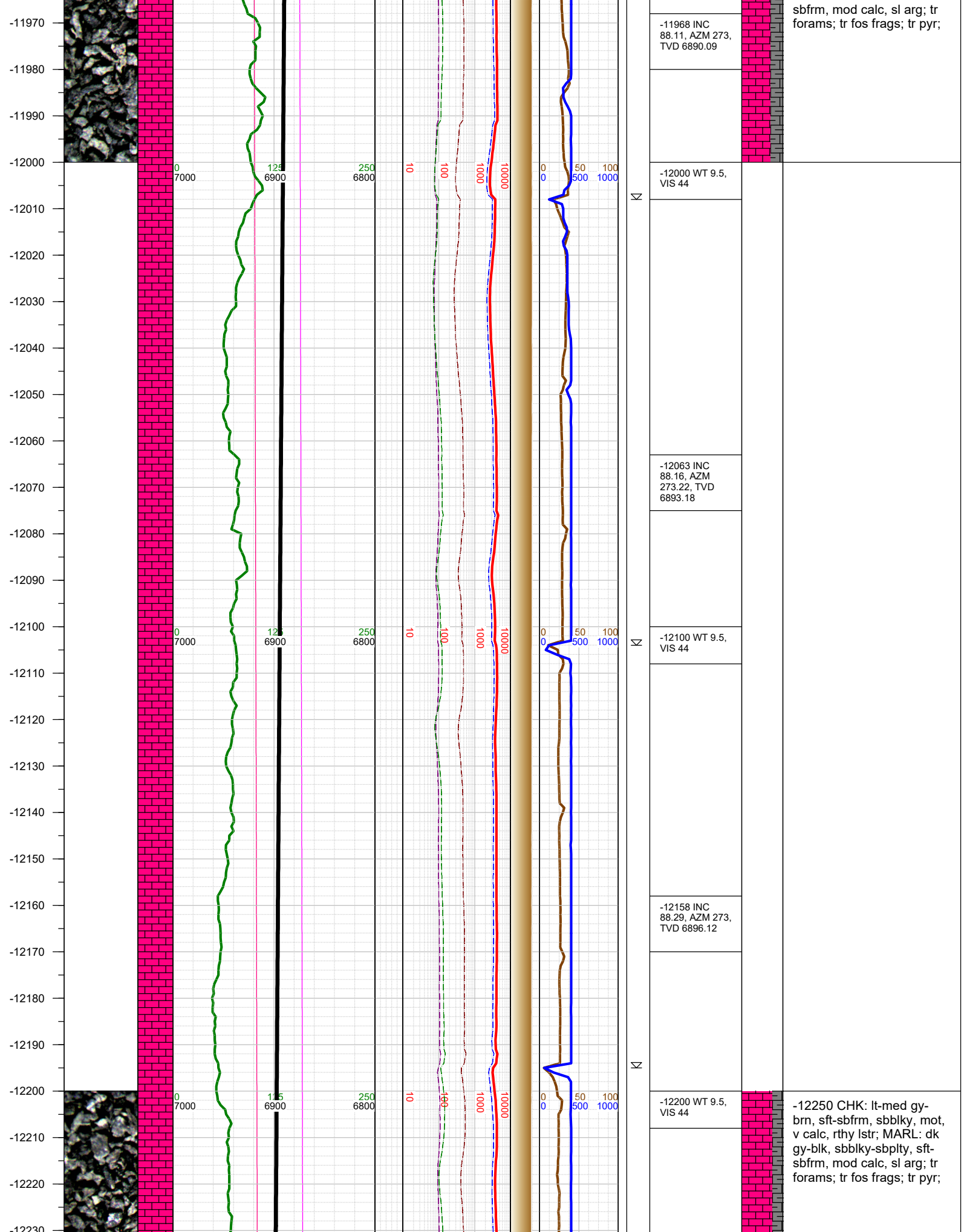
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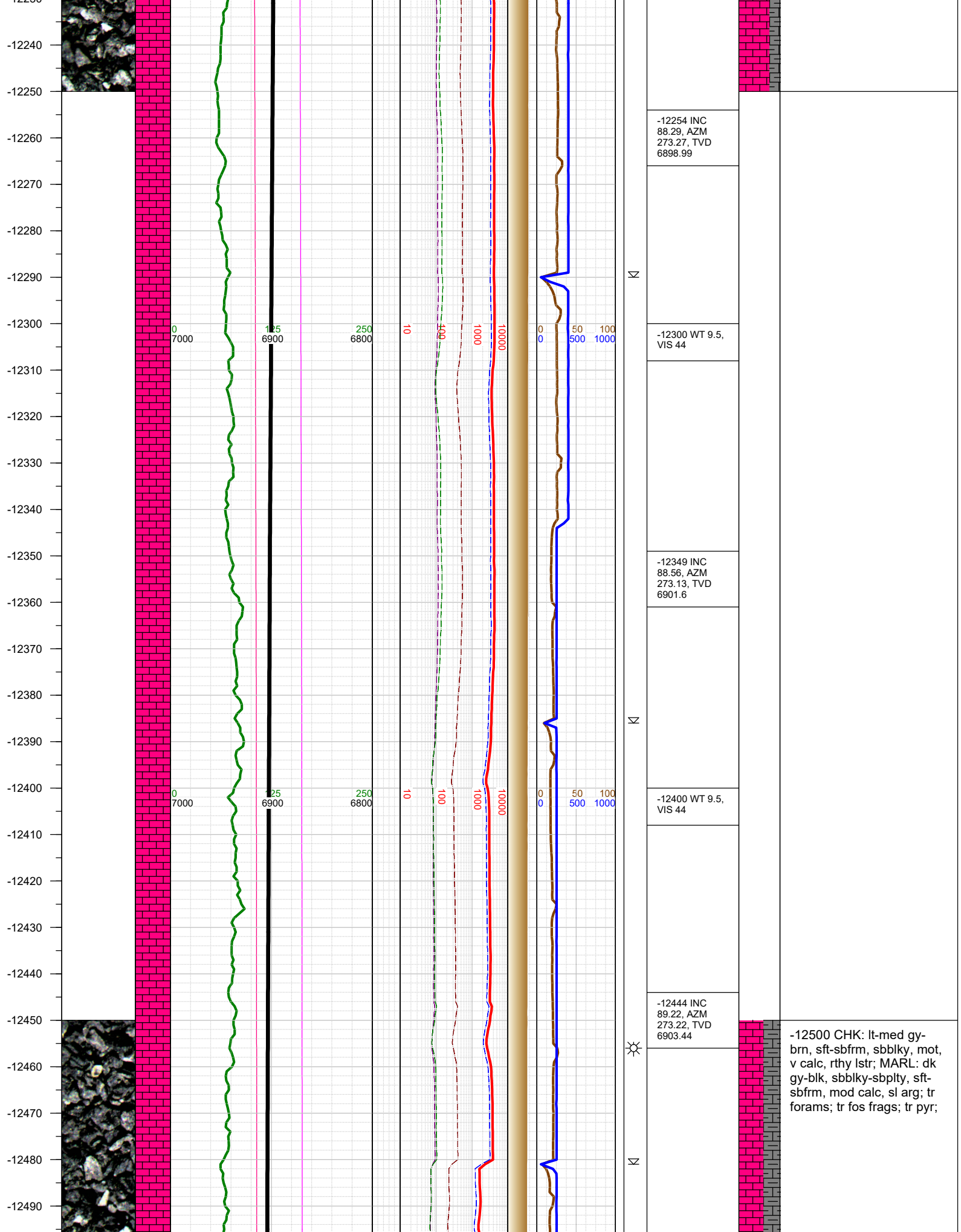
-12000 WT 9.5, VIS 44
-12063 INC 88.16, AZM 273.22, TVD 6893.18
-12100 WT 9.5, VIS 44
-12158 INC 88.29, AZM 273, TVD 6896.12
-12200 WT 9.5, VIS 44
sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr;
-12250 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr;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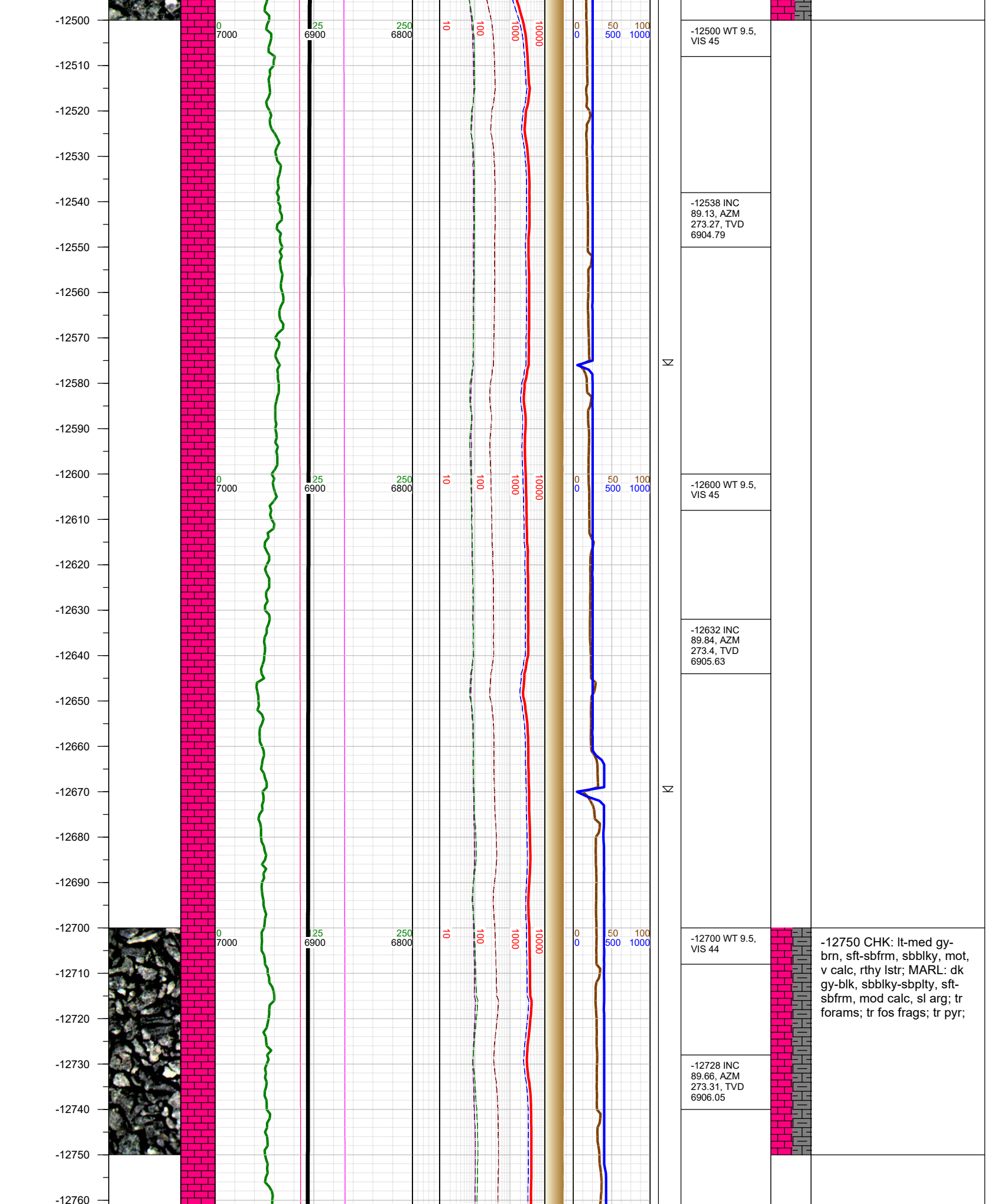
-12300 WT 9.5, VIS 44
-12349 INC 88.56, AZM 273.13, TVD 6901.6
-12400 WT 9.5, VIS 44
-12444 INC 89.22, AZM 273.22, TVD 6903.44
-12500 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr;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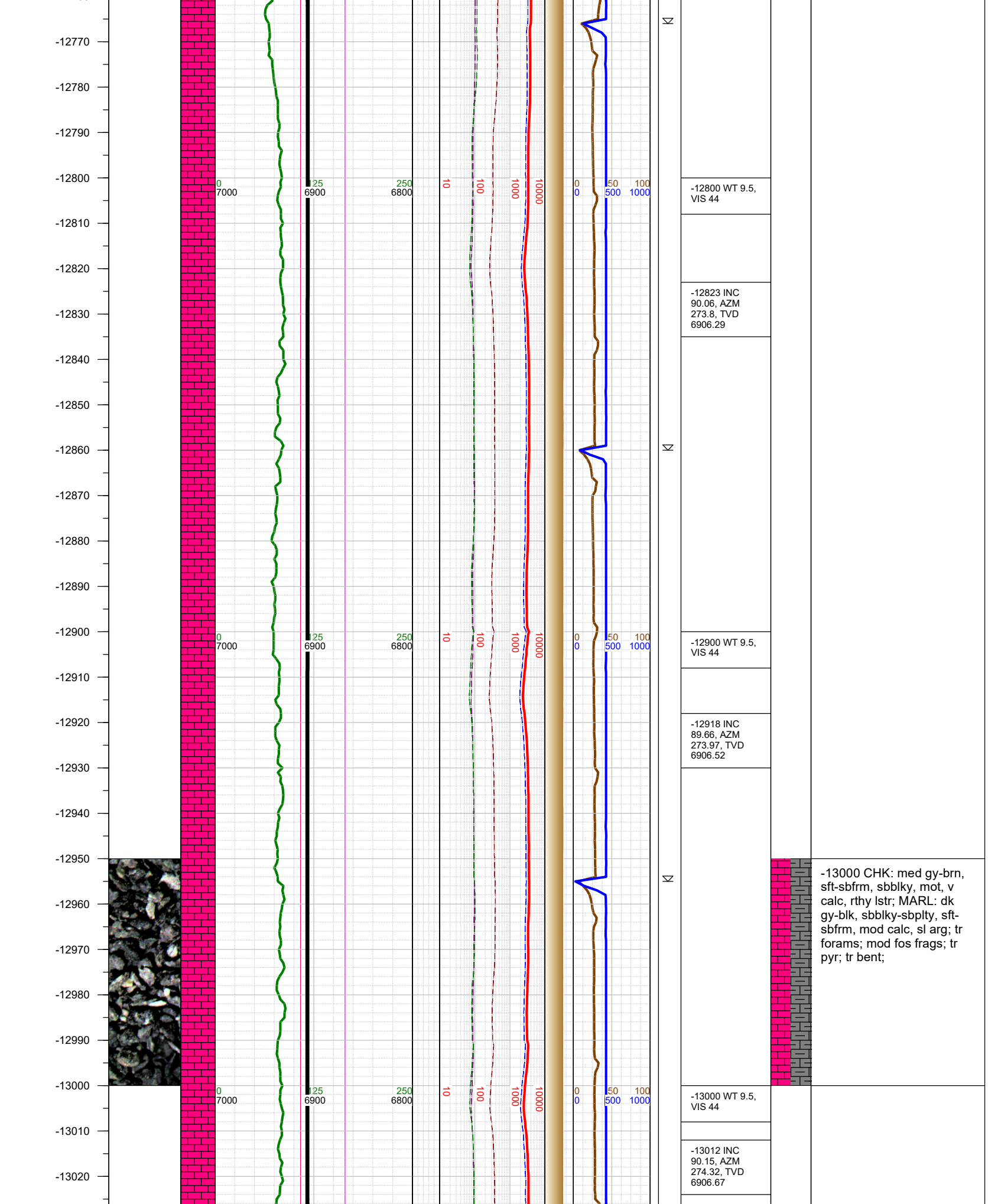
-12600 WT 9.5, VIS 45
-12632 INC 89.84, AZM 273.4, TVD 6905.63
-12700 WT 9.5, VIS 44
-12728 INC 89.66, AZM 273.31, TVD 6906.05
-12750 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr;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-12918 INC 89.66, AZM 273.97, TVD 6906.52
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-13000 WT 9.5, VIS 44
-13012 INC 90.15, AZM 274.32, TVD 6906.67

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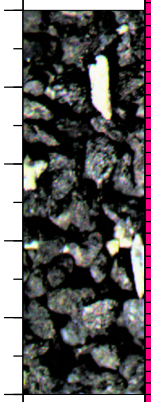

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-13120 WT 9.5, VIS 44

-13202 INC 89.7, AZM 274.68, TVD 6906.85

-13220 WT 9.4, VIS 45

-13250 CHK: 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; mod fos frags; tr pyr; tr bent;

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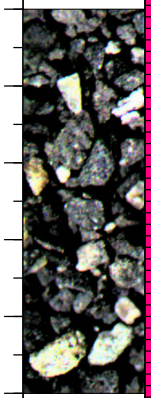
-13393 INC 89.88, AZM 274.55, TVD 6907.47

-13410 WT 9.4, VIS 45



-13488 INC 89.53, AZM 274.55, TVD 6907.95

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-13500 WT 9.4, VIS 45

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-13582 INC 89.7, AZM 274.37, TVD 6908.59

-13600 WT 9.4, VIS 45

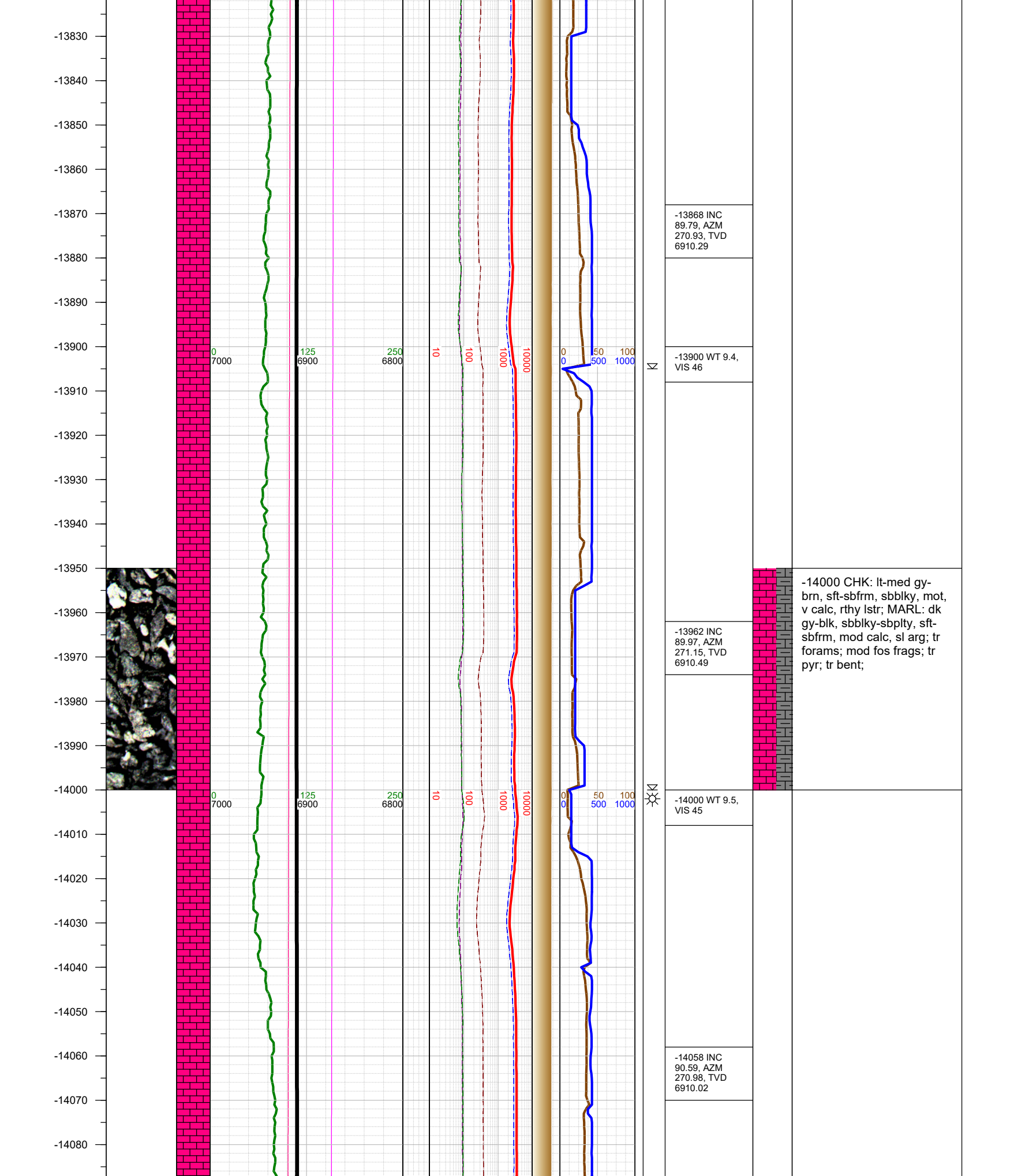
-13678 INC 89.7, AZM 274.37, TVD 6909.09

-13700 WT 9.4, VIS 46

-13750 CHK: med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr, mod silty; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; mod fos frags; tr pyr; tr bent;

-13773 INC 89.53, AZM 272.39, TVD 6909.73

-13800 WT 9.4, VIS 46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-13962 INC 89.97, AZM 271.15, TVD 6910.49
-14000 WT 9.5, VIS 45
-14058 INC 90.59, AZM 270.98, TVD 6910.02
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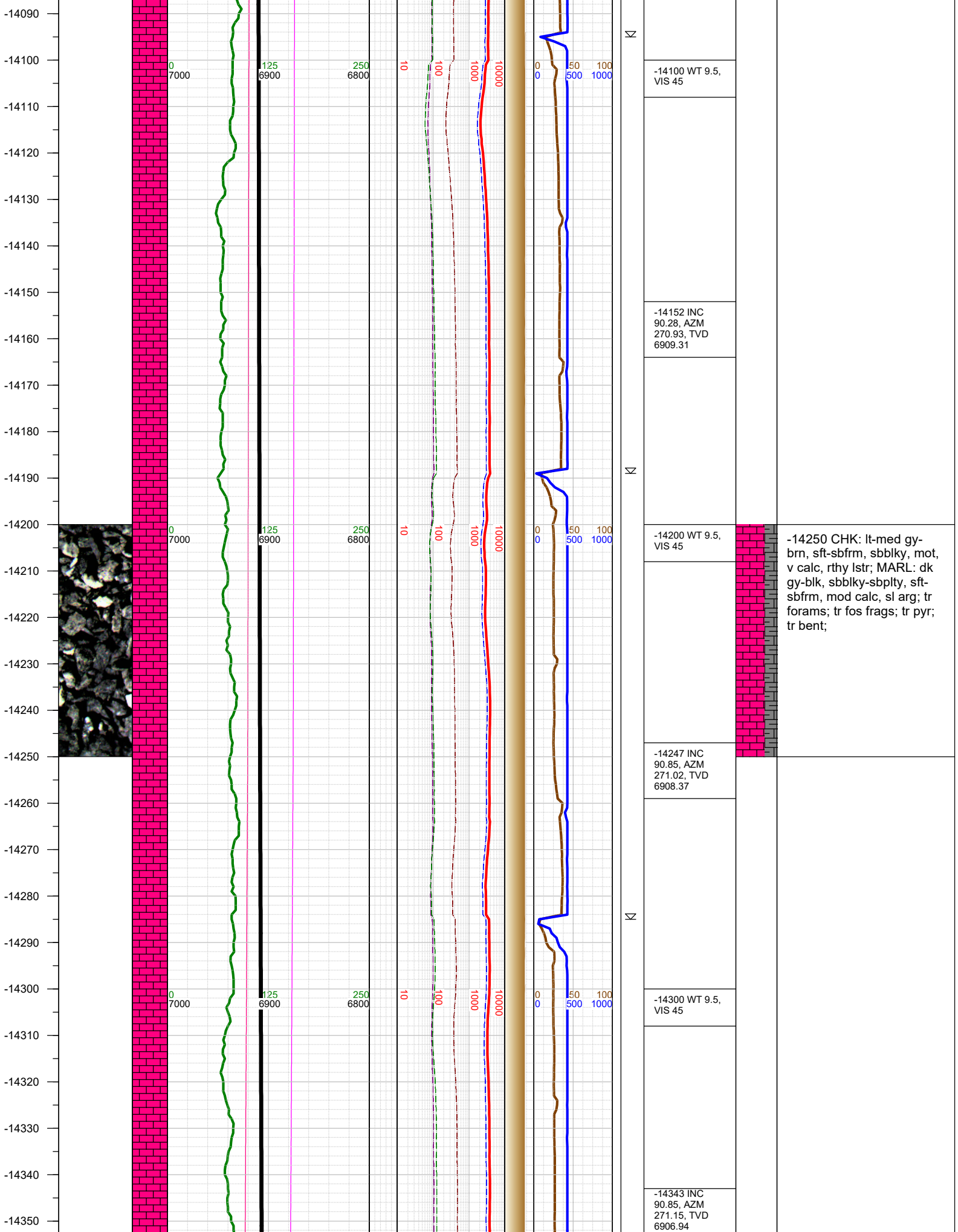
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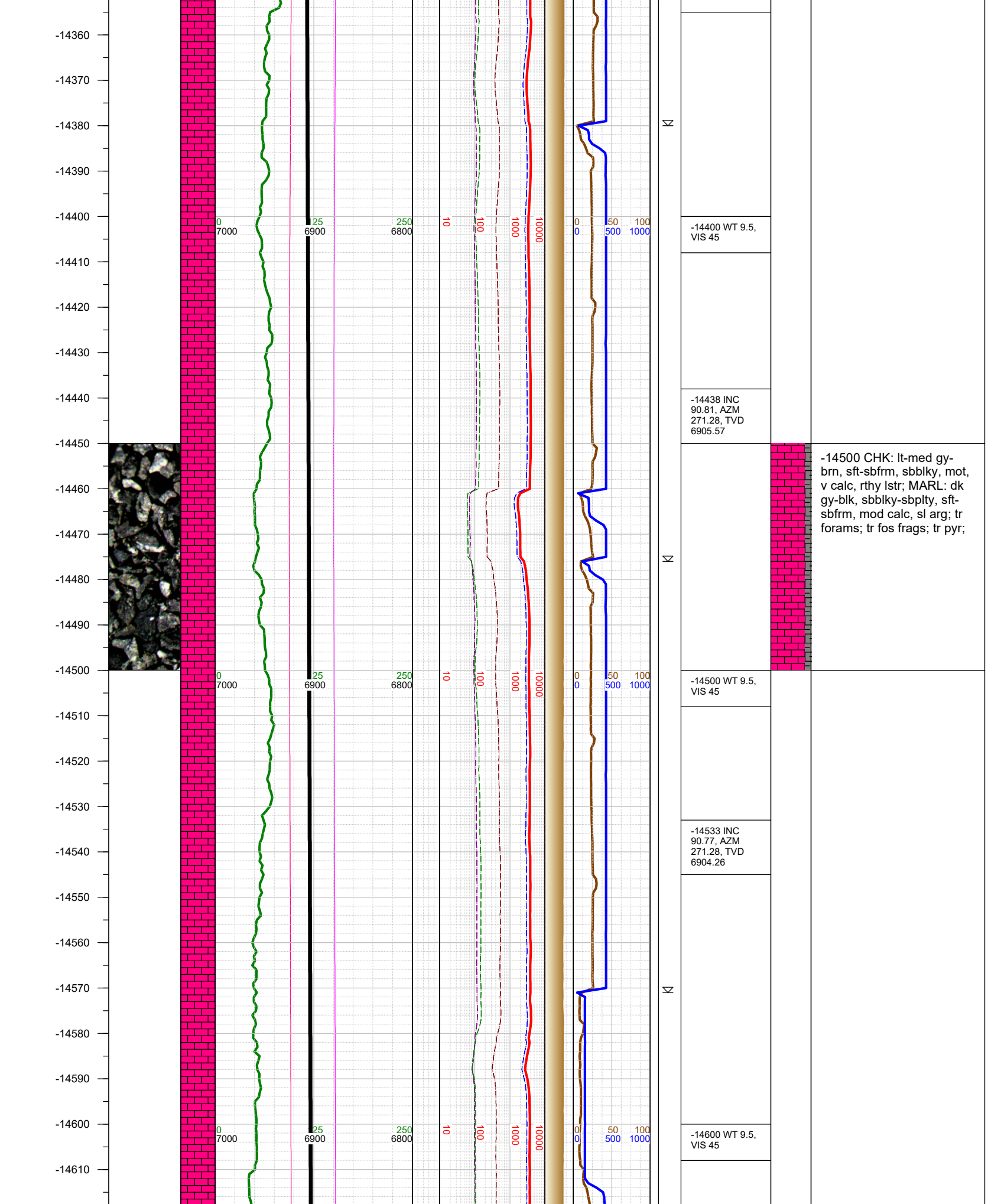
-14200 WT 9.5, VIS 45
-14247 INC 90.85, AZM 271.02, TVD 6908.37
-14300 WT 9.5, VIS 45
-14343 INC 90.85, AZM 271.15, TVD 6906.94
-14250 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr; tr bent;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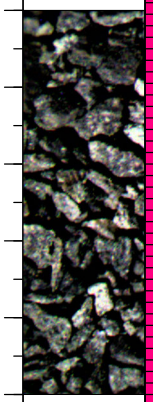
-14533 INC 90.77, AZM 271.28, TVD 6904.26
-14600 WT 9.5, VIS 45



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-14683 0000 hrs on 1/28/2021

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-14723 INC 90.46, AZM 271.2, TVD 6901.96

-14800 WT 9.6, VIS 45

-14818 INC 89.88, AZM 271.06, TVD 6901.68

-14750 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 frags; tr pyr;

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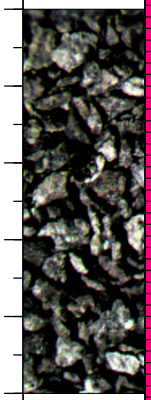


-14900 WT 9.6, VIS 45

-14913 INC 89.79, AZM 271.11, TVD 6901.95

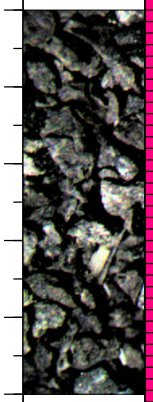
-15000 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags;

-15000 WT 9.6, VIS 45

-15008 INC 89.79, AZM 271.11, TVD 6902.3

-15103 INC 89.93, AZM 271.02, TVD 6902.53

-15120 WT 9.6, VIS 45



-15198 INC 90.19, AZM 271.95, TVD 6902.43

-15210 WT 9.5, VIS 45

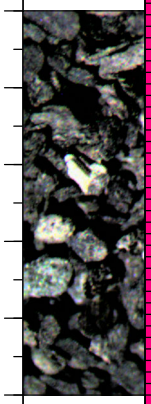
-15250 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags;

-15293 INC 89.7, AZM 272.74, TVD 6902.53

-15310 WT 9.5, VIS 45

-15387 INC 89.79, AZM 272.91, TVD 6902.94

-15400 WT 9.5, VIS 45



-15500 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 frags;

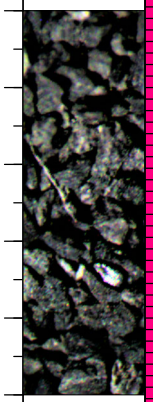
-15483 INC 89.7, AZM 273.44, TVD 6903.37

-15500 WT 9.5, VIS 45

-15578 INC 89.79, AZM 273.53, TVD 6903.79

-15600 WT 9.5, VIS 45

-15673 INC 89.66, AZM



273.58, TVD 6904.25

-15700 WT 9.5, VIS 45

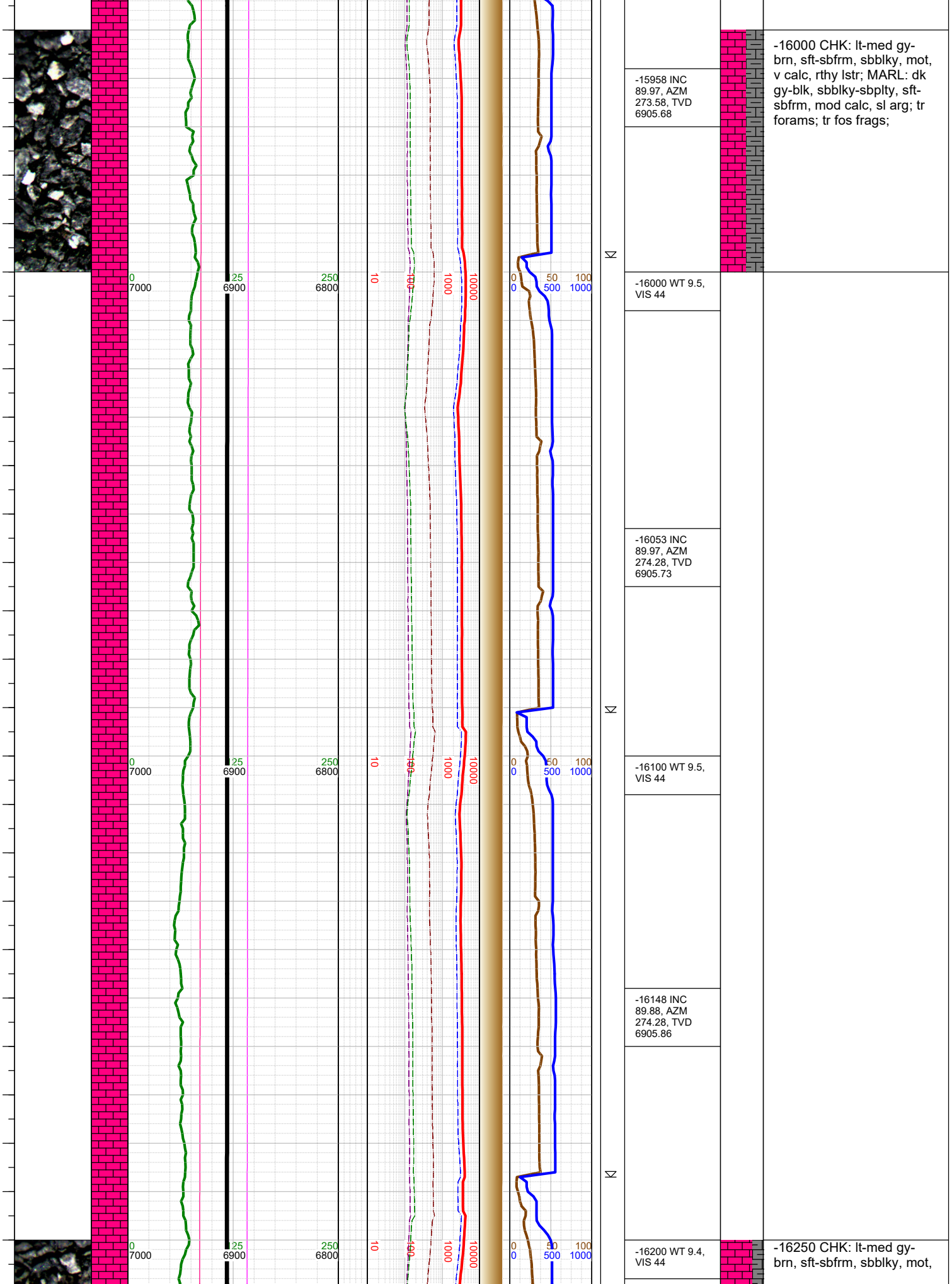
-15750 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags;

-15768 INC 89.7, AZM 273.49, TVD 6904.78

-15800 WT 9.5, VIS 45

-15863 INC 89.62, AZM 273.66, TVD 6905.34

-15900 WT 9.5, VIS 44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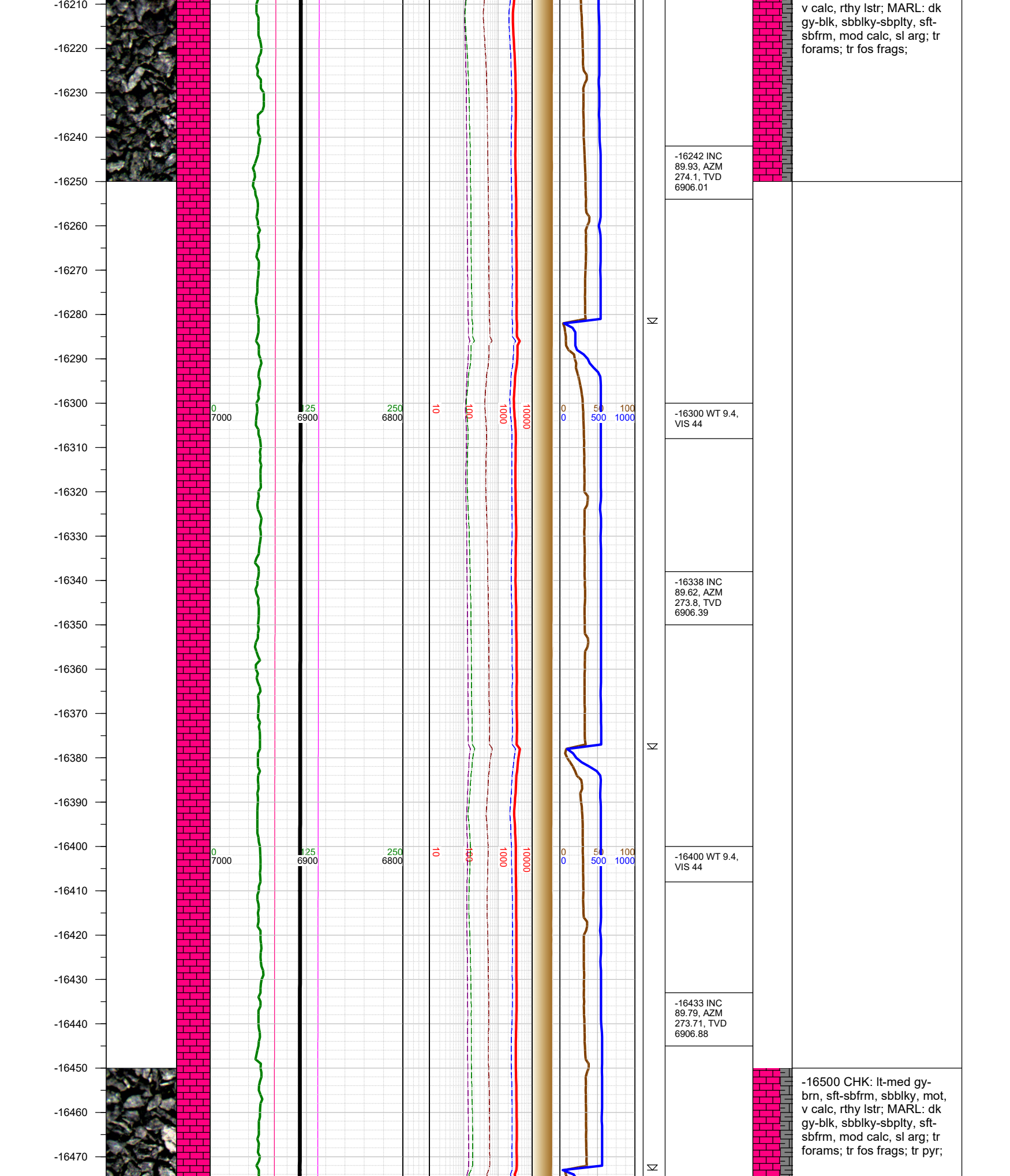
-16000 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags;
-15958 INC 89.97, AZM 273.58, TVD 6905.68
-16000 WT 9.5, VIS 44
-16053 INC 89.97, AZM 274.28, TVD 6905.73
-16100 WT 9.5, VIS 44
-16148 INC 89.88, AZM 274.28, TVD 6905.86
-16200 WT 9.4, VIS 44
-16250 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot,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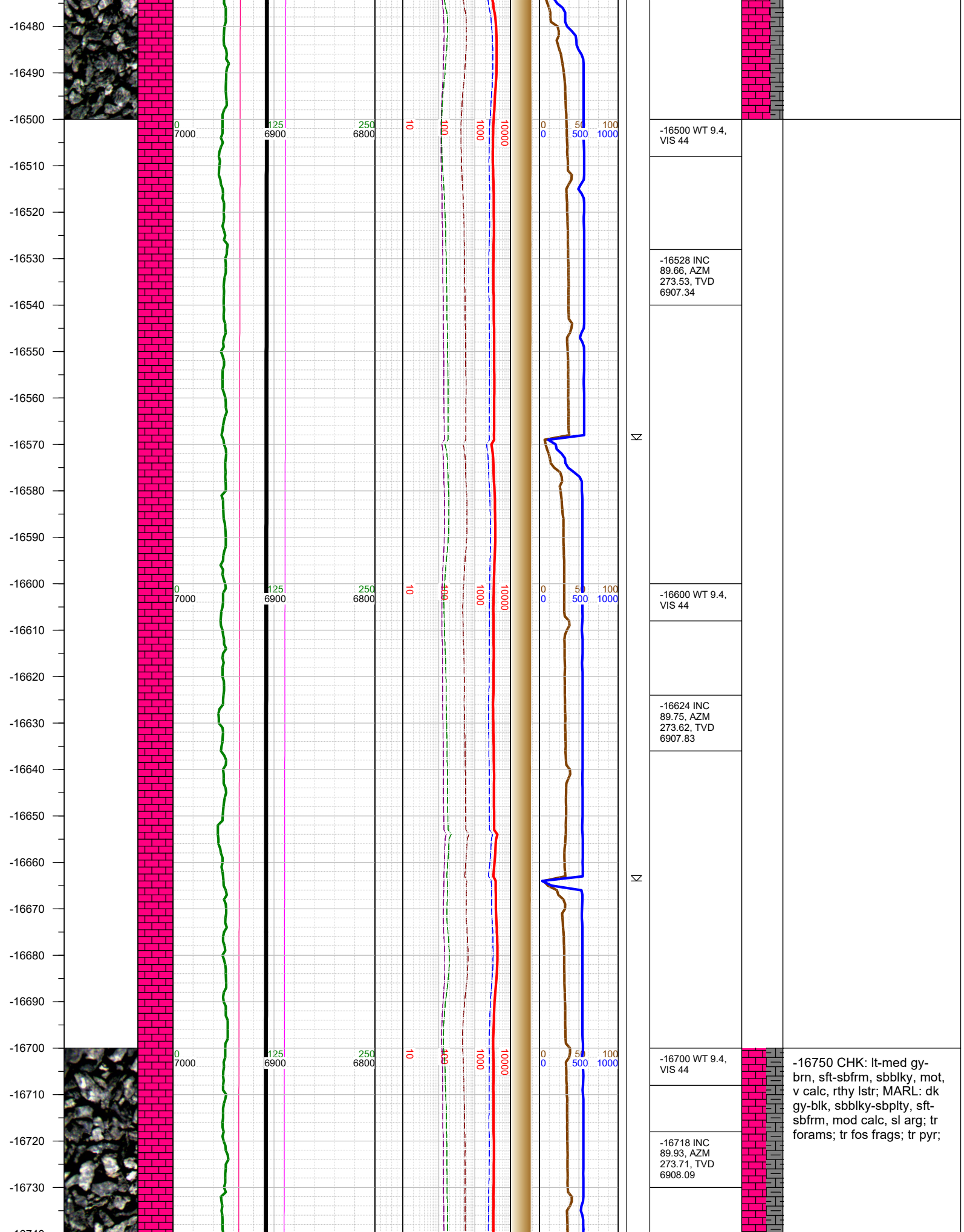
v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags;
-16242 INC 89.93, AZM 274.1, TVD 6906.01
-16300 WT 9.4, VIS 44
-16338 INC 89.62, AZM 273.8, TVD 6906.39
-16400 WT 9.4, VIS 44
-16433 INC 89.79, AZM 273.71, TVD 6906.88
-16500 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr;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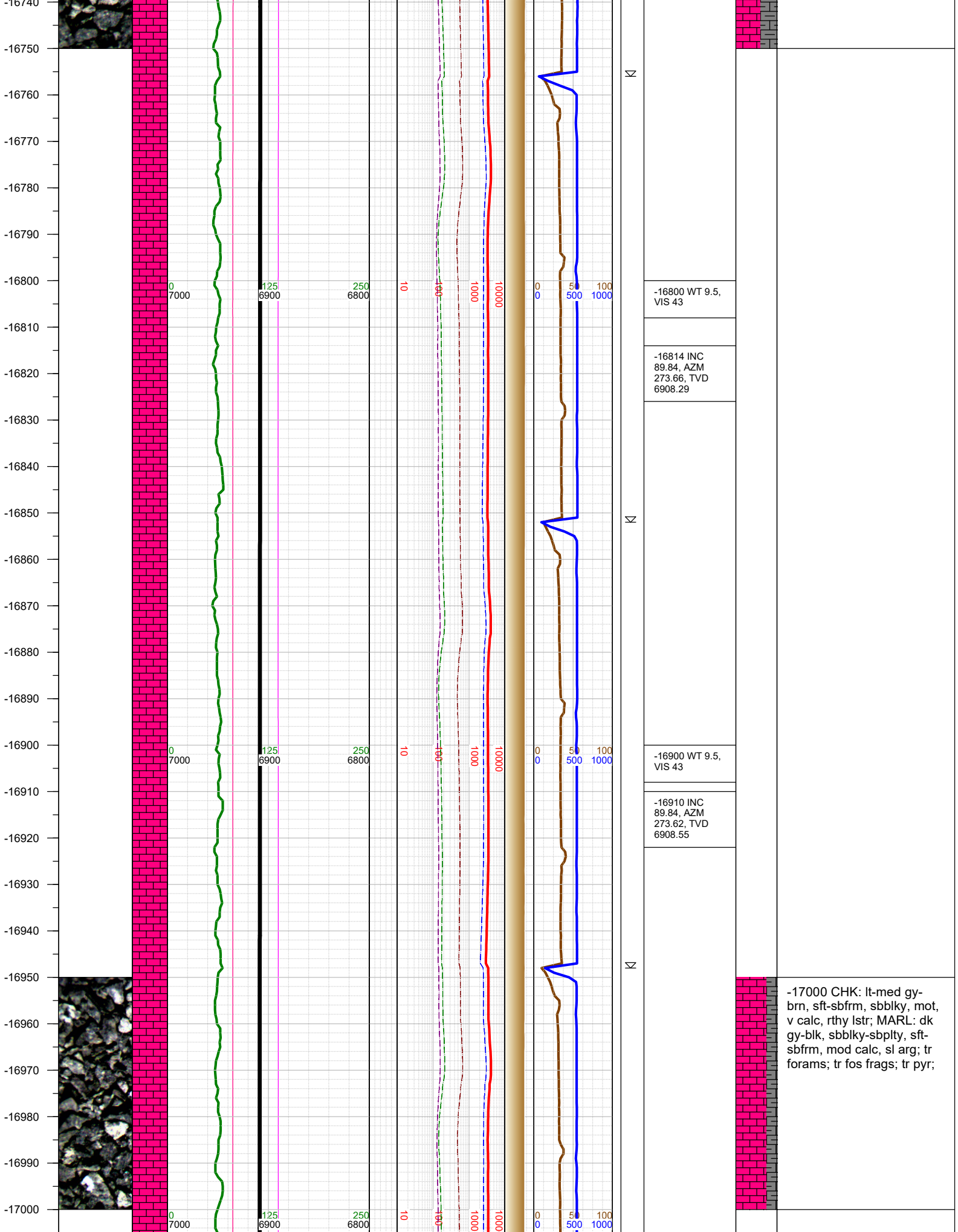
-16528 INC 89.66, AZM 273.53, TVD 6907.34
-16600 WT 9.4, VIS 44
-16624 INC 89.75, AZM 273.62, TVD 6907.83
-16700 WT 9.4, VIS 44
-16718 INC 89.93, AZM 273.71, TVD 6908.09
-16750 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr;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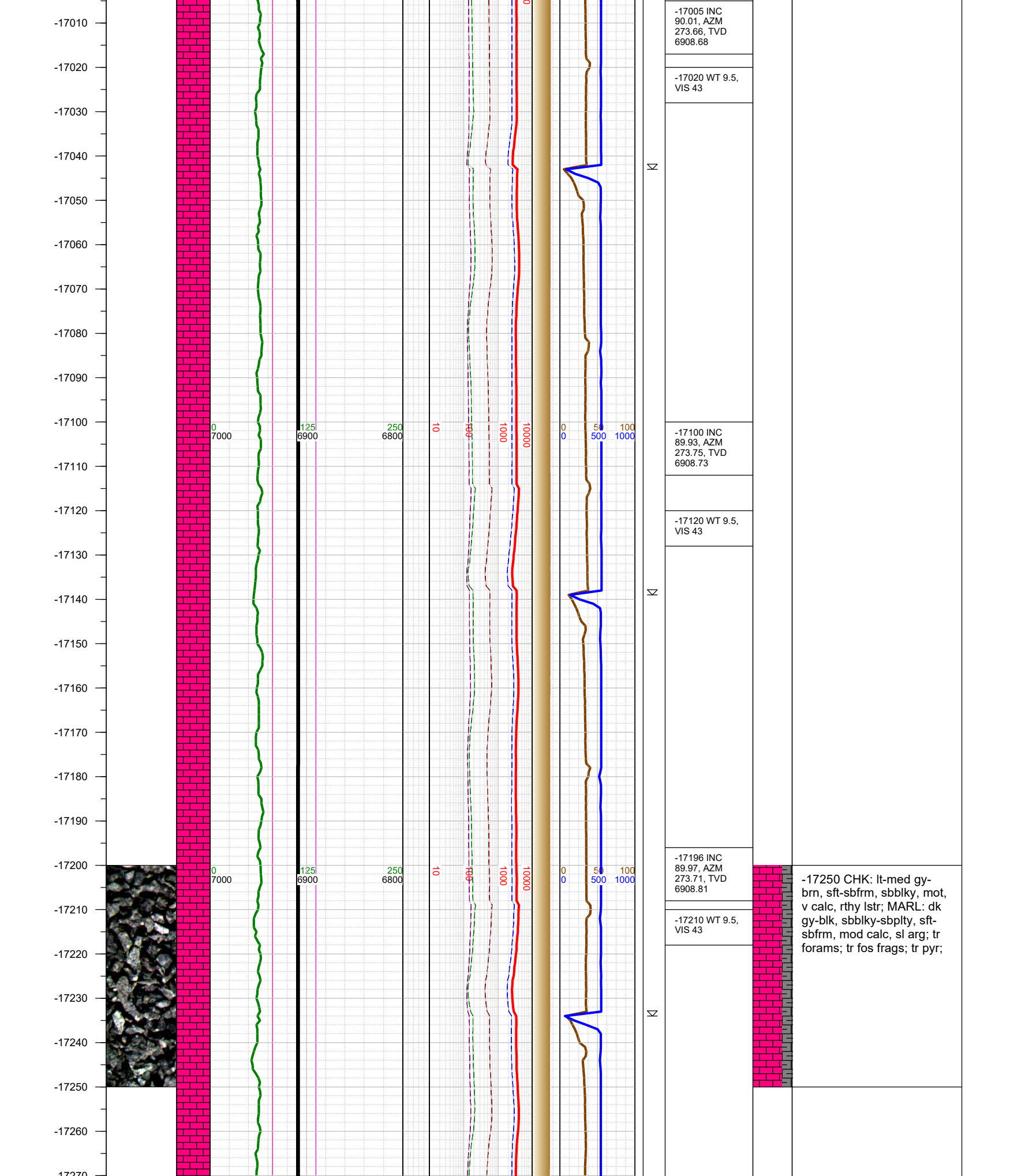
-16814 INC 89.84, AZM 273.66, TVD 6908.29
-16900 WT 9.5, VIS 43
-16910 INC 89.84, AZM 273.62, TVD 6908.55
-17000 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr;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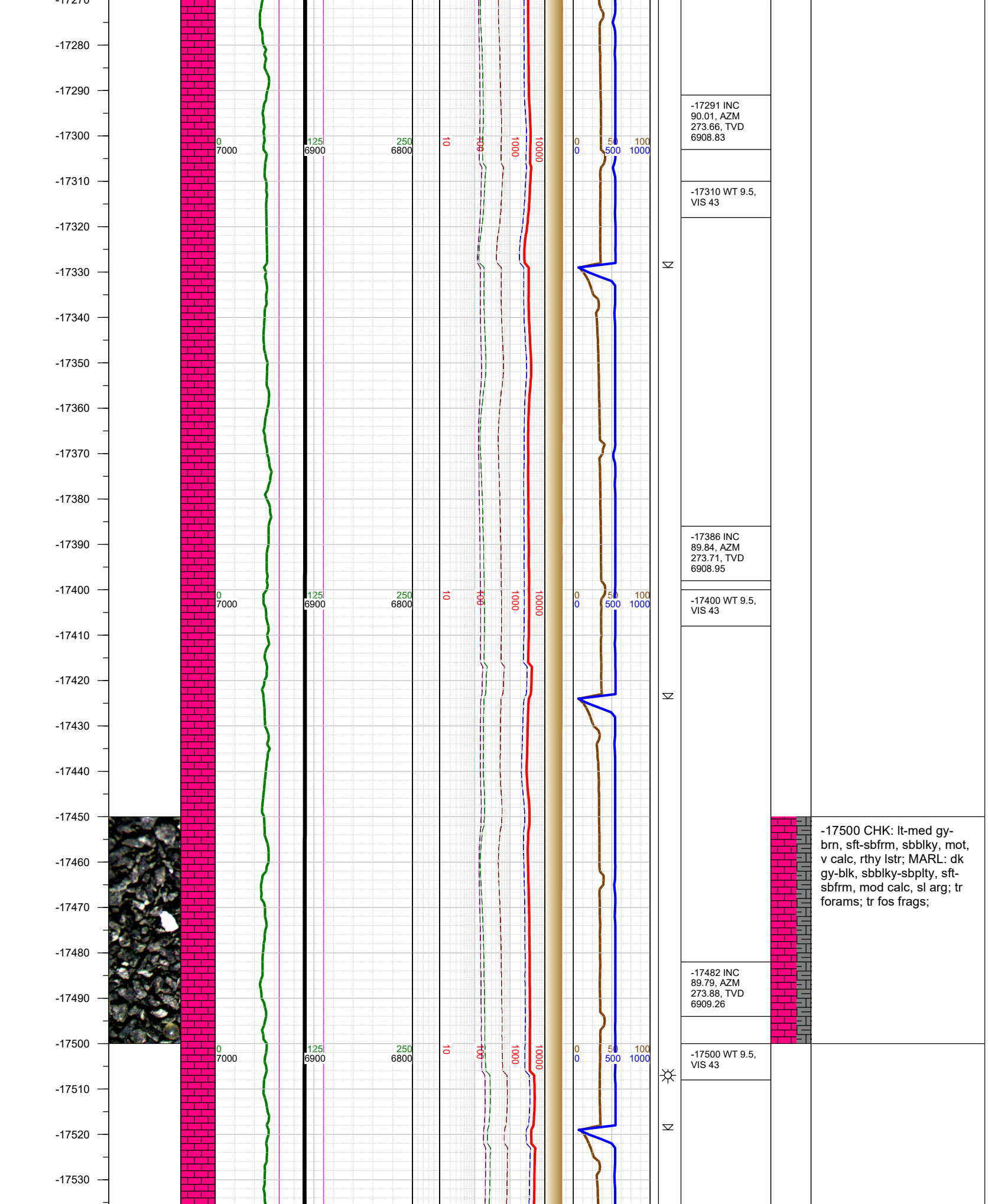
-17005 INC 90.01, AZM 273.66, TVD 6908.68
-17020 WT 9.5, VIS 43
-17100 INC 89.93, AZM 273.75, TVD 6908.73
-17120 WT 9.5, VIS 43
-17196 INC 89.97, AZM 273.71, TVD 6908.81
-17210 WT 9.5, VIS 43
-17250 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr;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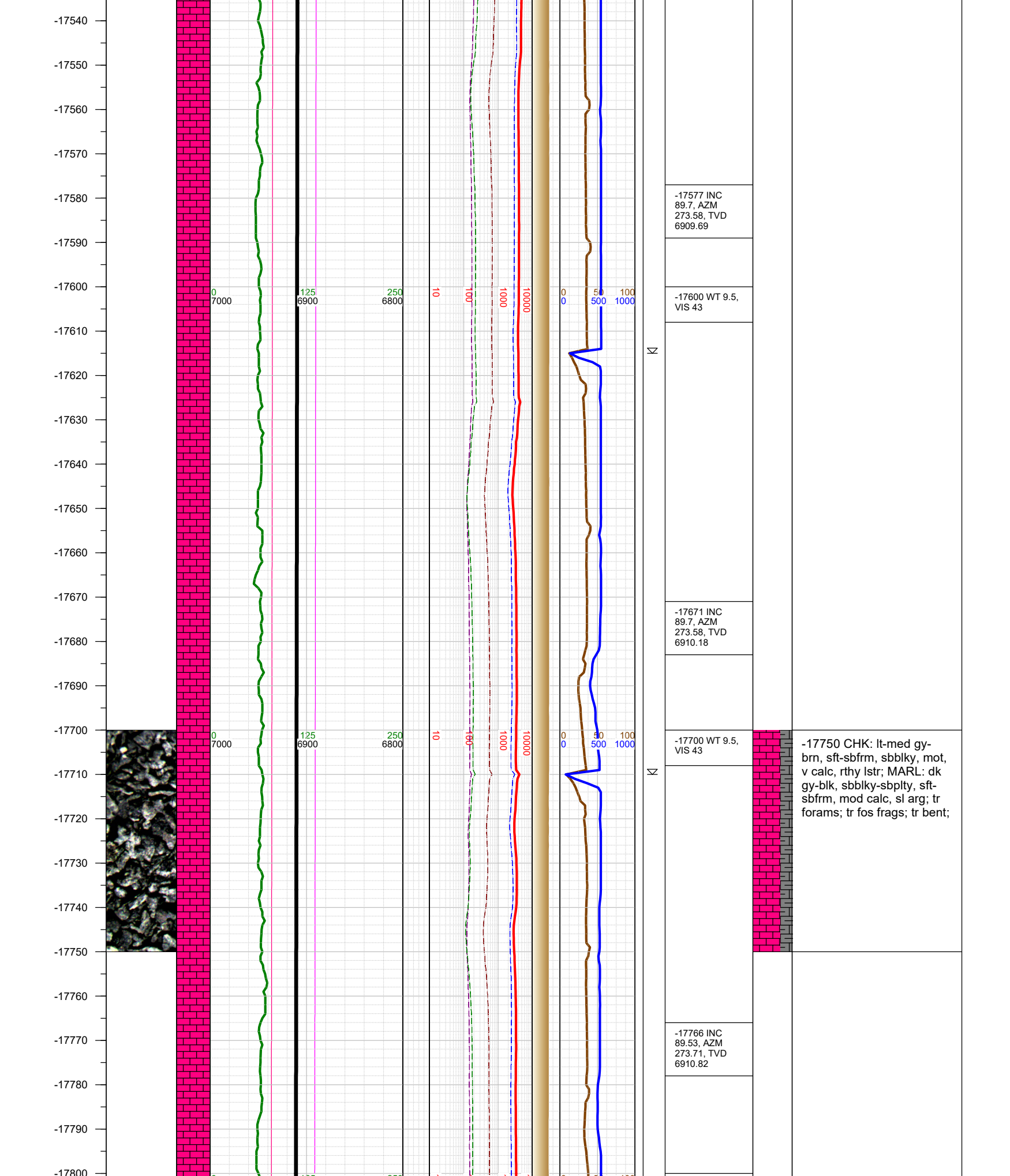
-17291 INC 90.01, AZM 273.66, TVD 6908.83
-17310 WT 9.5, VIS 43
-17386 INC 89.84, AZM 273.71, TVD 6908.95
-17400 WT 9.5, VIS 43
-17482 INC 89.79, AZM 273.88, TVD 6909.26
-17500 WT 9.5, VIS 43
-17500 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags;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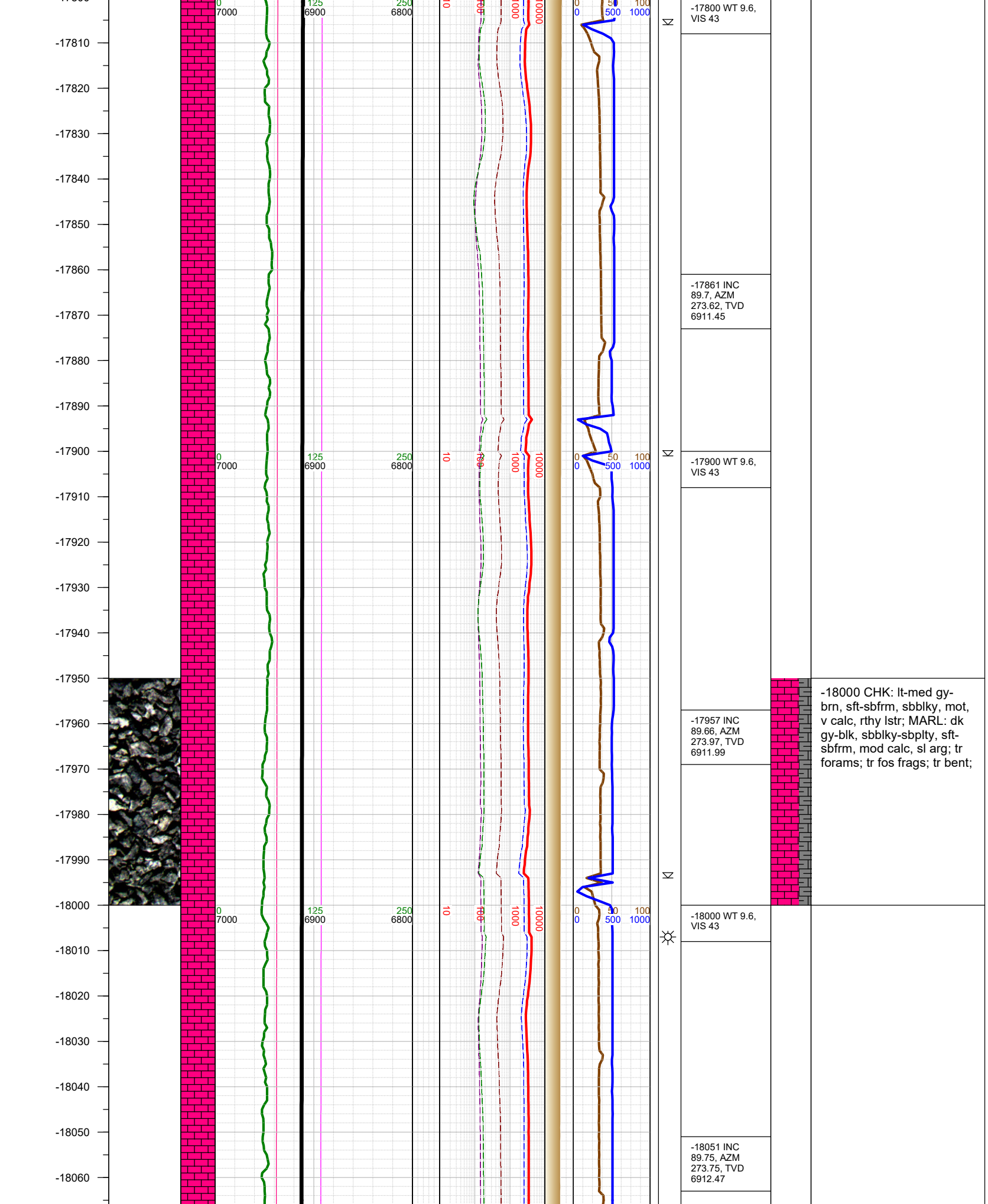
-17577 INC 89.7, AZM 273.58, TVD 6909.69
-17600 WT 9.5, VIS 43
-17671 INC 89.7, AZM 273.58, TVD 6910.18
-17700 WT 9.5, VIS 43
-17766 INC 89.53, AZM 273.71, TVD 6910.82
-17750 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr bent;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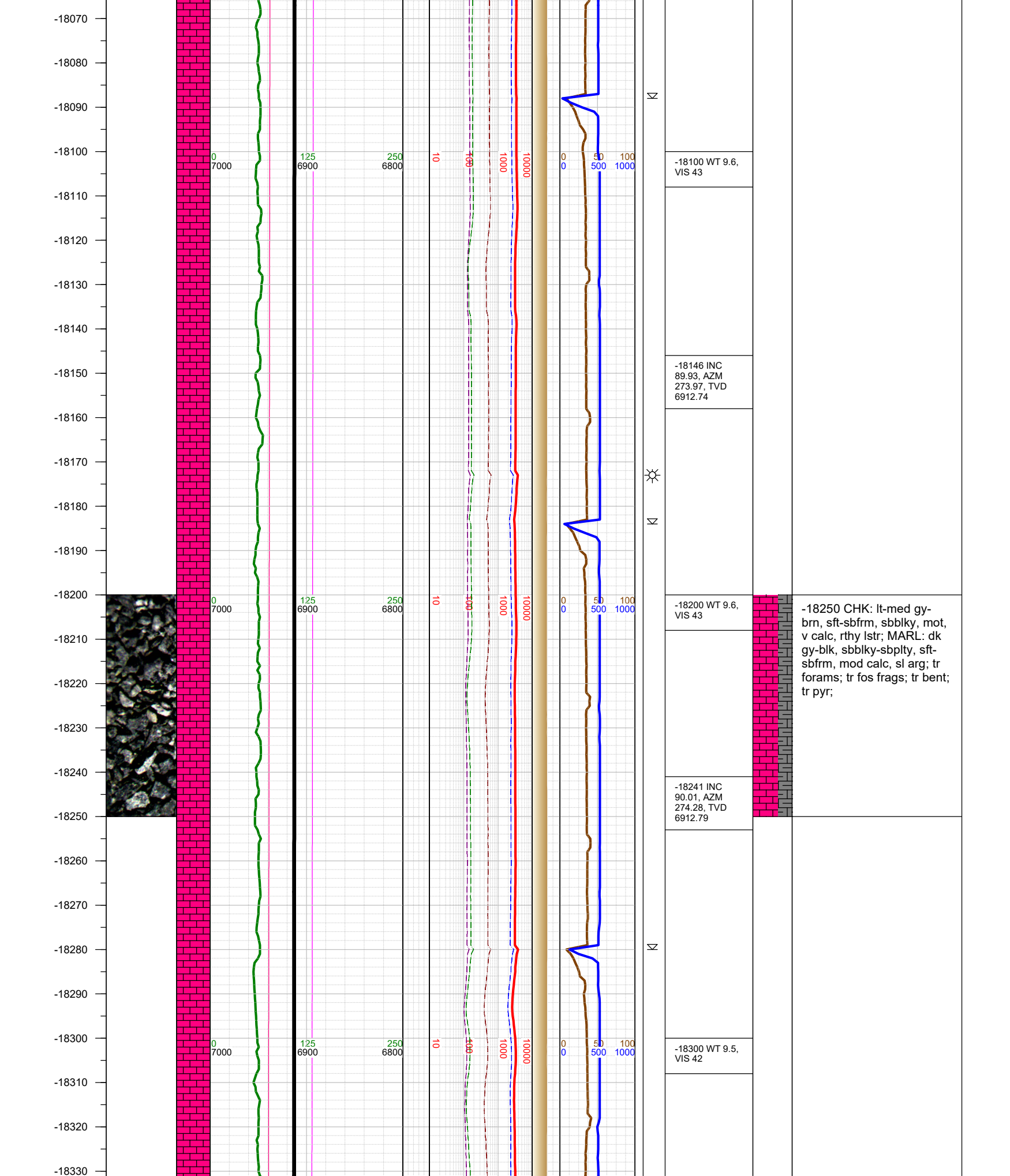
-17861 INC 89.7, AZM 273.62, TVD 6911.45
-17900 WT 9.6, VIS 43
-17957 INC 89.66, AZM 273.97, TVD 6911.99
-18000 WT 9.6, VIS 43
-18051 INC 89.75, AZM 273.75, TVD 6912.47
-18000 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr bent;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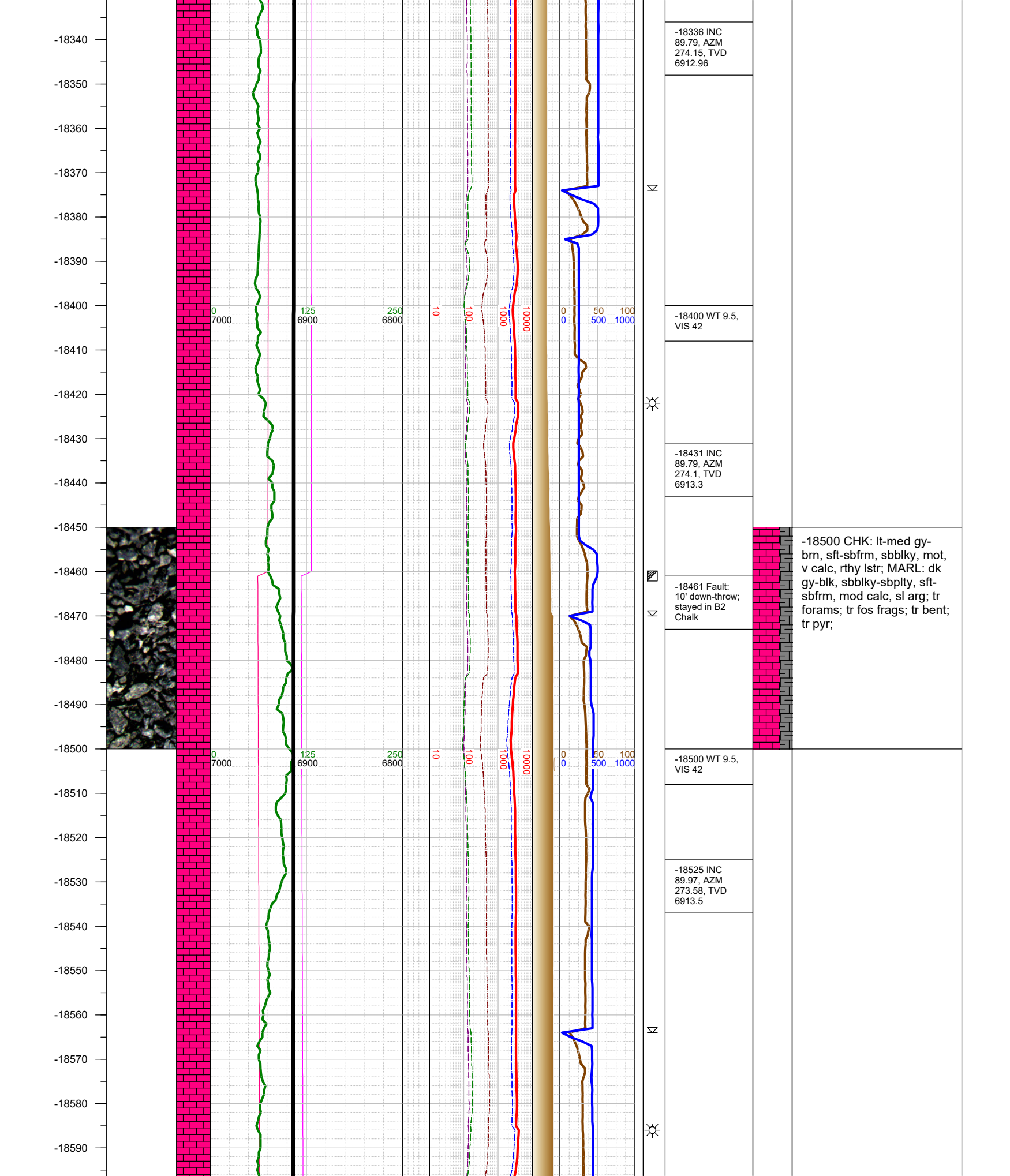
-18146 INC 89.93, AZM 273.97, TVD 6912.74
-18200 WT 9.6, VIS 43
-18241 INC 90.01, AZM 274.28, TVD 6912.79
-18300 WT 9.5, VIS 42
-18250 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr bent; tr pyr;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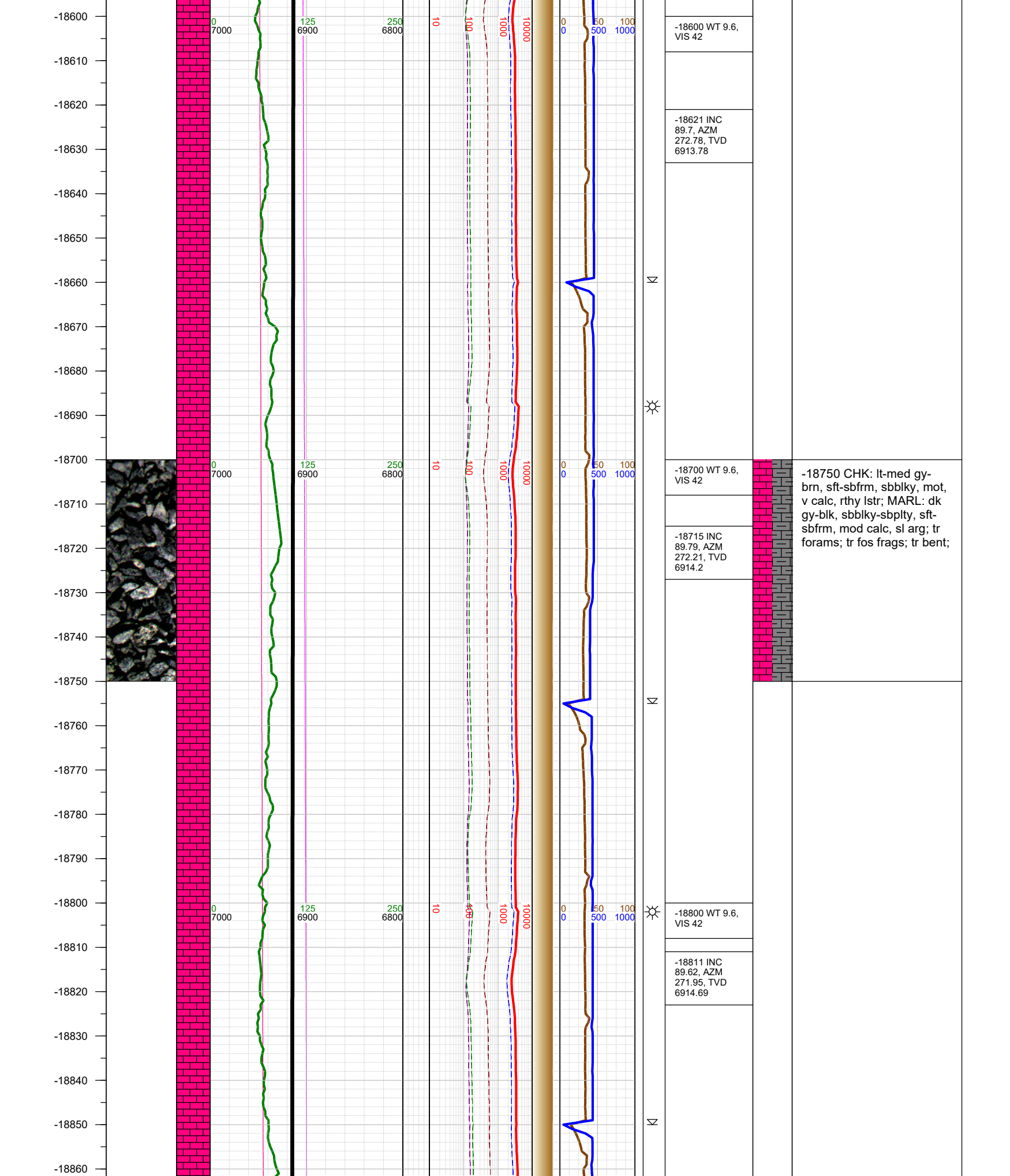
-18336 INC 89.79, AZM 274.15, TVD 6912.96
-18400 WT 9.5, VIS 42
-18431 INC 89.79, AZM 274.1, TVD 6913.3
-18461 Fault: 10' down-throw; stayed in B2 Chalk
-18500 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr bent; tr pyr;
-18500 WT 9.5, VIS 42
-18525 INC 89.97, AZM 273.58, TVD 6913.5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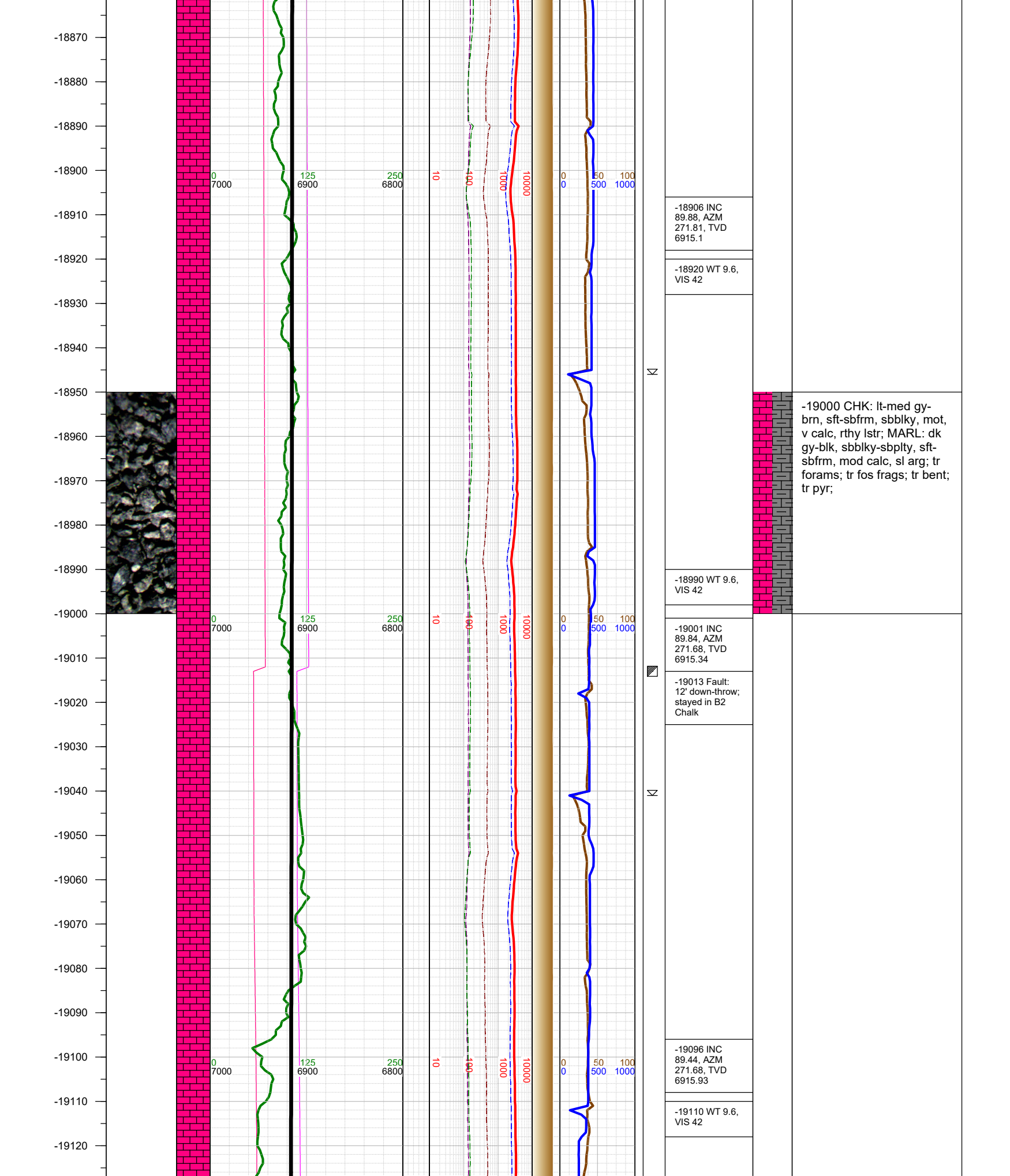
-18621 INC 89.7, AZM 272.78, TVD 6913.78
-18700 WT 9.6, VIS 42
-18715 INC 89.79, AZM 272.21, TVD 6914.2
-18750 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr bent;
-18800 WT 9.6, VIS 42
-18811 INC 89.62, AZM 271.95, TVD 6914.69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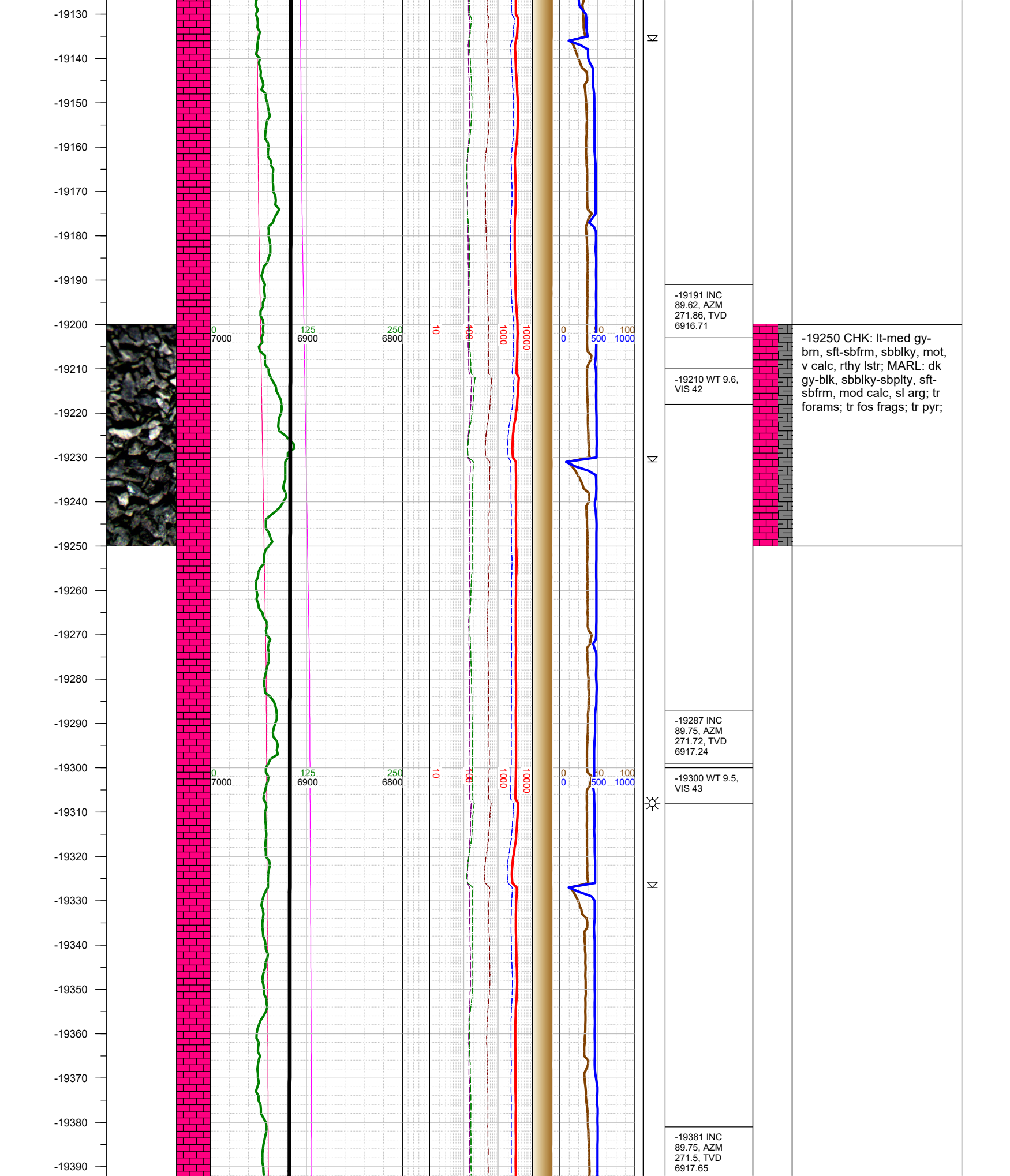
-18906 INC 89.88, AZM 271.81, TVD 6915.1
-18920 WT 9.6, VIS 42
-18990 WT 9.6, VIS 42
-19001 INC 89.84, AZM 271.68, TVD 6915.34
-19013 Fault: 12' down-throw; stayed in B2 Chalk
-19096 INC 89.44, AZM 271.68, TVD 6915.93
-19110 WT 9.6, VIS 42
-19000 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr bent; tr pyr;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-19191 INC 89.62, AZM 271.86, TVD 6916.71
-19210 WT 9.6, VIS 42
-19250 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 frags; tr pyr;
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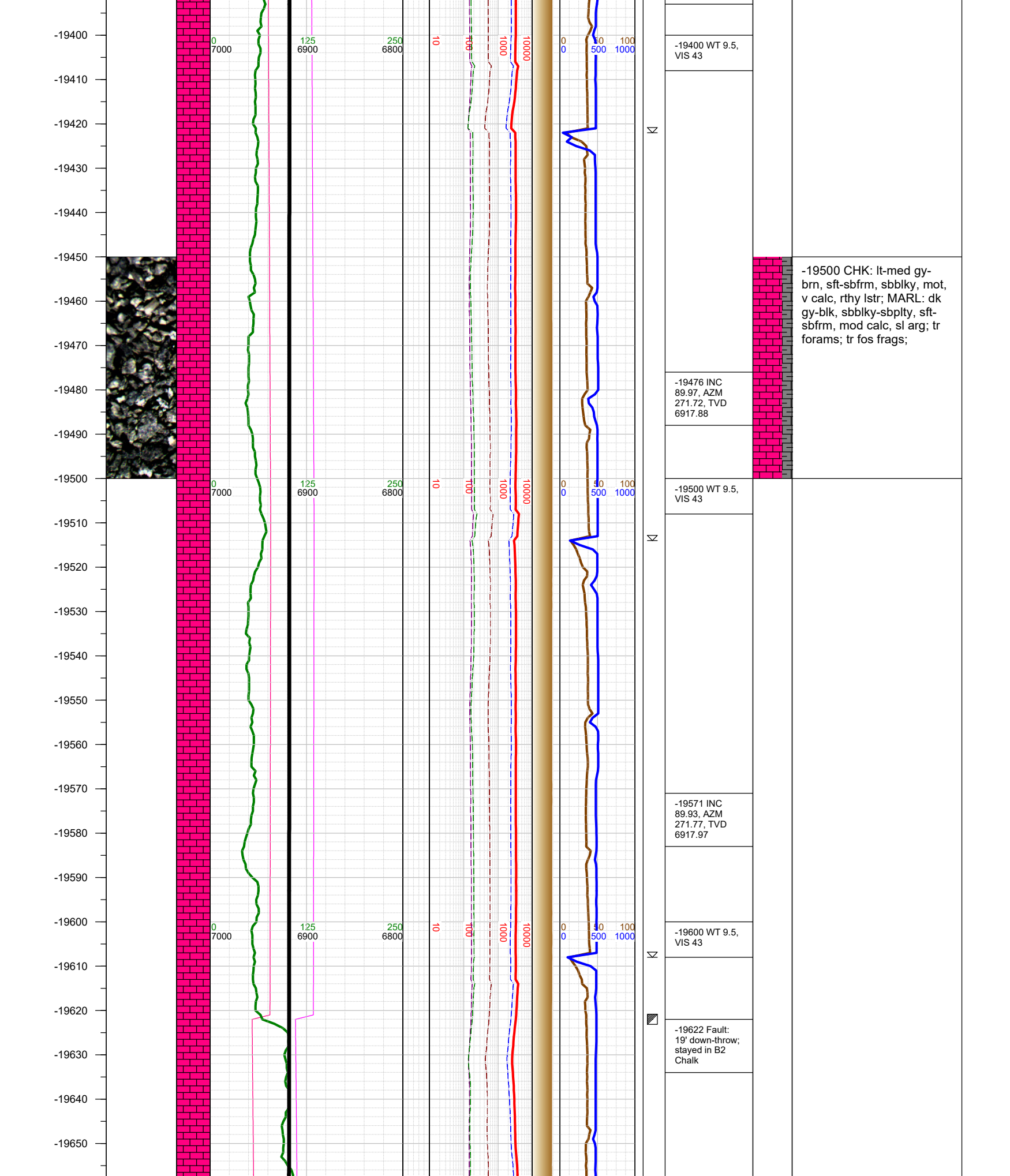
-19300 WT 9.5, VIS 43
-19381 INC 89.75, AZM 271.5, TVD 6917.65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-19600
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-19620
-19630
-19640
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7000
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-19400 WT 9.5, VIS 43
-19476 INC 89.97, AZM 271.72, TVD 6917.88
-19500 WT 9.5, VIS 43
-19571 INC 89.93, AZM 271.77, TVD 6917.97
-19600 WT 9.5, VIS 43
-19622 Fault: 19' down-throw; stayed in B2 Chalk
-19500 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 frags;

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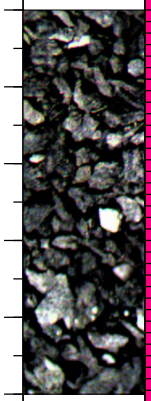


0 7000 125 6900 250 6800

10 100 1000 10000

0 0 50 500 100 1000

KI

-19667 INC 89.79, AZM 271.72, TVD 6918.2

-19700 WT 9.5, VIS 44

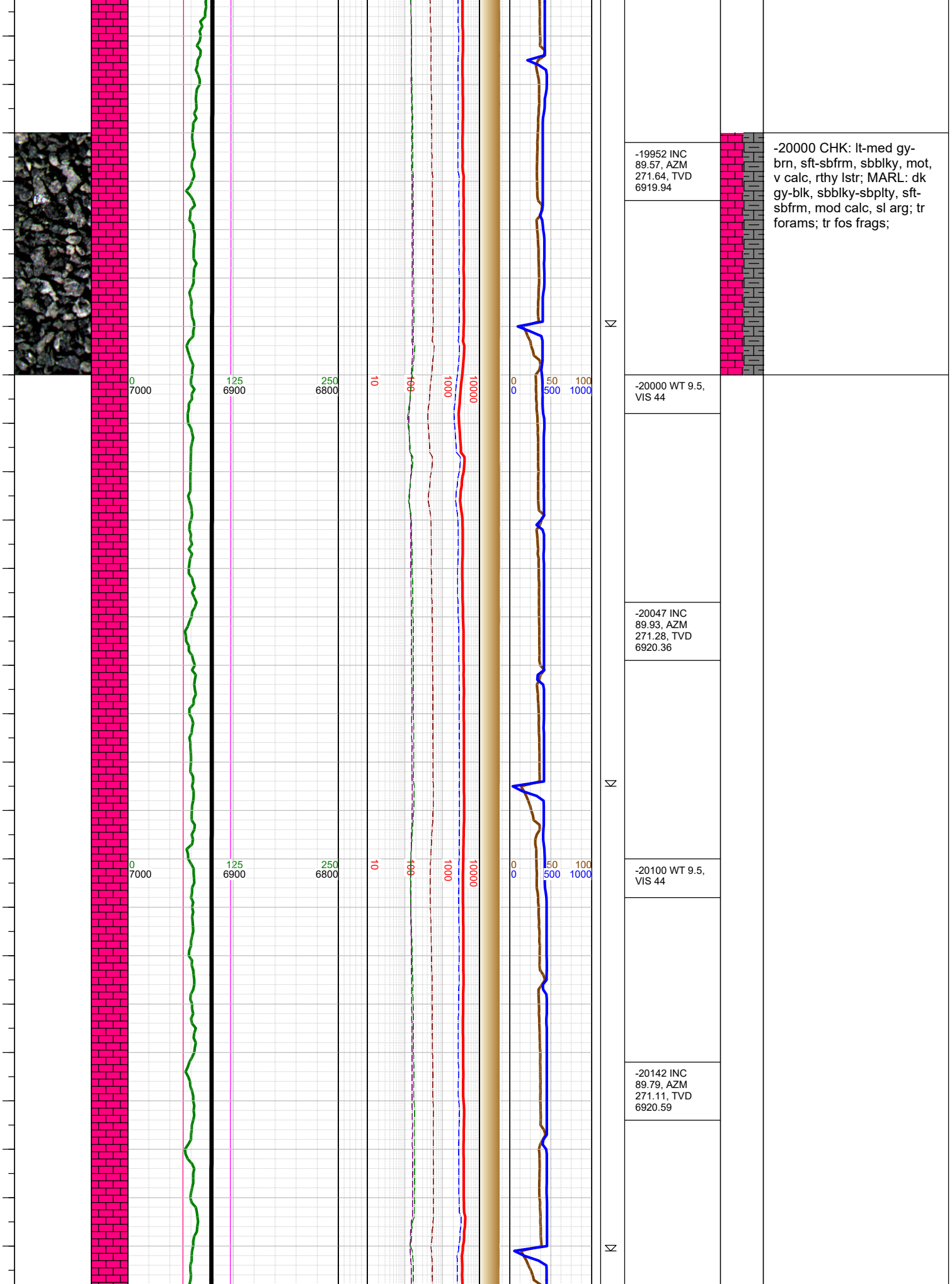
-19750 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags;

-19762 INC 89.57, AZM 271.55, TVD 6918.73

-19800 WT 9.5, VIS 44

-19857 INC 89.7, AZM 271.72, TVD 6919.34

-19900 WT 9.5, VIS 44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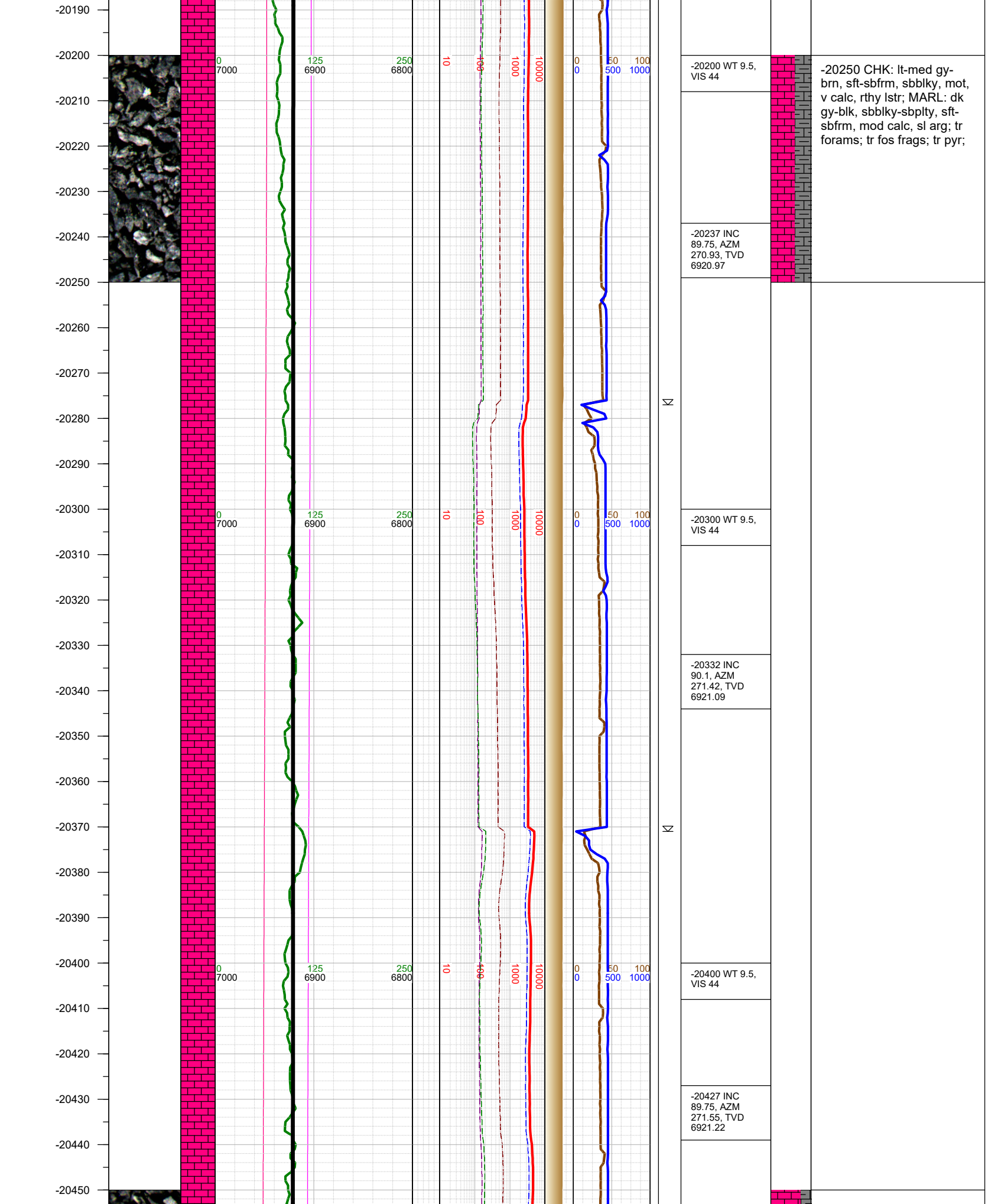
-19952 INC 89.57, AZM 271.64, TVD 6919.94
-20000 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags;
-20000 WT 9.5, VIS 44
-20047 INC 89.93, AZM 271.28, TVD 6920.36
-20100 WT 9.5, VIS 44
-20142 INC 89.79, AZM 271.11, TVD 6920.59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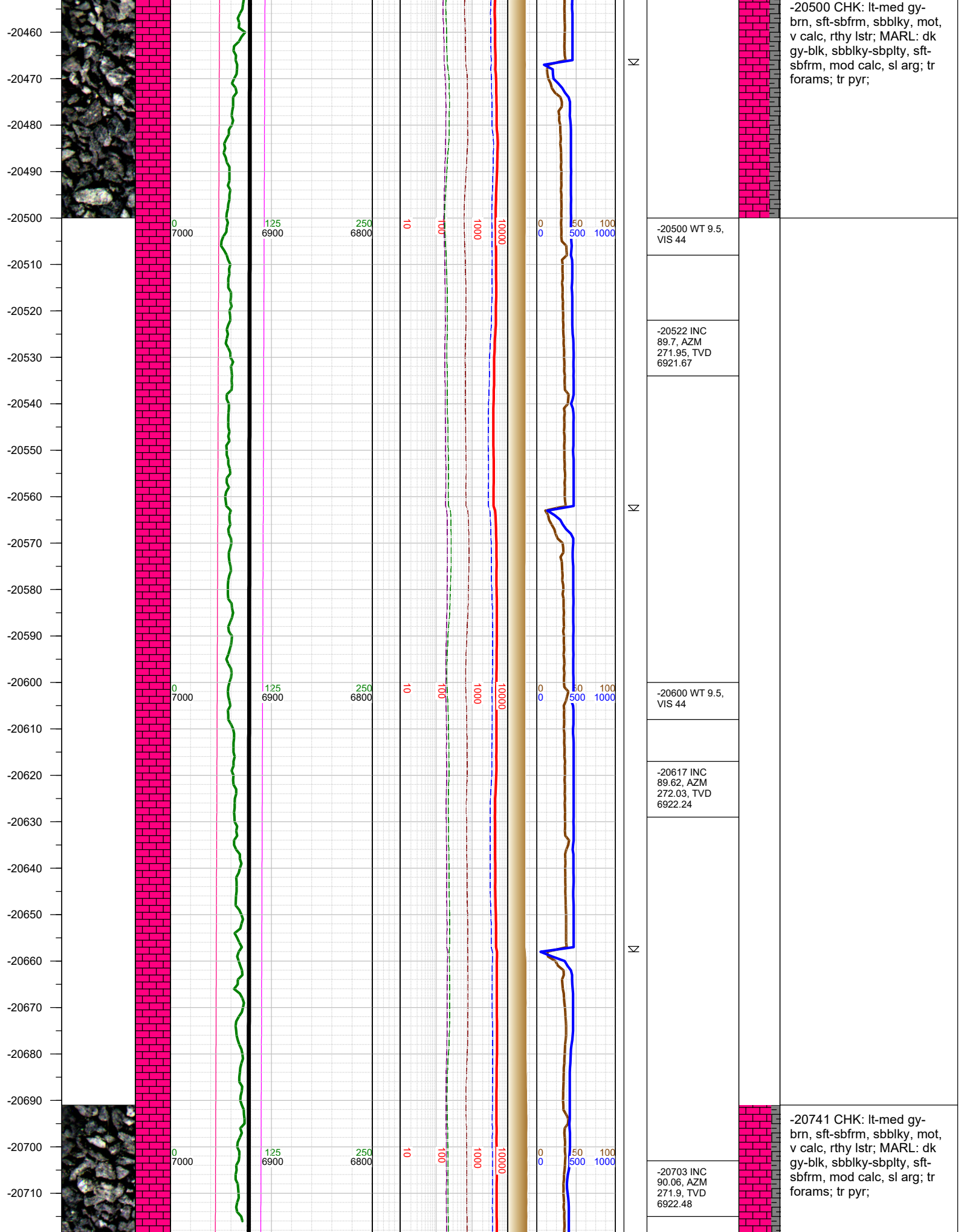
KI
-20200 WT 9.5, VIS 44
-20237 INC 89.75, AZM 270.93, TVD 6920.97
-20300 WT 9.5, VIS 44
-20332 INC 90.1, AZM 271.42, TVD 6921.09
-20400 WT 9.5, VIS 44
-20427 INC 89.75, AZM 271.55, TVD 6921.22
-20250 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr fos frags; tr pyr;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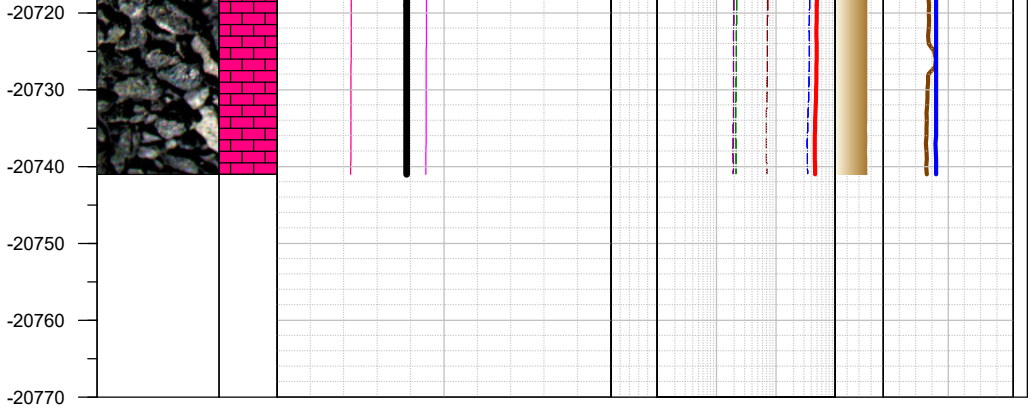
KI
-20500 CHK: lt-med gy-brn, sft-sbfrm, sbblky, mot, v calc, rthy lstr; MARL: dk gy-blk, sbblky-sbplty, sft-sbfrm, mod calc, sl arg; tr forams; tr pyr;
-20500 WT 9.5, VIS 44
-20522 INC 89.7, AZM 271.95, TVD 6921.67
-20600 WT 9.5, VIS 44
-20617 INC 89.62, AZM 272.03, TVD 6922.24
-20703 INC 90.06, AZM 271.9, TVD 6922.48
-20741 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 pyr;



-20720 WT 9.5, VIS 44

-20741 Reached horizontal TD of 20741' MD, 6922' TVD at 1951 hrs on 1/28/2021.

TOTAL DEPTH = 20741'

Thank you for using Earth Science Agency