GAS RATIO LOG

WELL : LONGTOM-3

FROM (m): 1000 TO (m): 3450 SCALE: 1/ 500

GENERAL DATA

Client : NEXUS ENERGY

Country : AUSTRALIA

Permit : VIC/P54

Basin : GIPPSLAND

Well Type : APPRAISAL

Rig Name : OCEAN PATRIOT

LOCATION DATA

Latitude : 38°05'34.774"S

Longitude : 148°18'41.479"E

RT - MSL (m): 21.5

Water Depth (m): 56.7

CASING

762mm (30") Shoe: 110.8m

340mm (13 3/8") Shoe: 995.3m

FINAL WELL DATA

Total Depth (mMDRT): m

TVD SS (m): m

Date Well Spudded : 11-07-2006

Date TD Reached : XX-09-2006

Final Status : ?

GAS RATIOS FORMULAE

GAS WETNESS RATIO (Wh)

GWR = (C2 + C3 + C4 + C5)/ (C1 + C2 + C3 + C4 + C5)*100

LIGHT TO HEAVY RATIO (Bh)

LHR = (C1 + C2)/(C3 + C4 + C5)

OIL CHARACTER QUALIFIER (Ch)

OCQ = (C4 + C5)/(C3)

LITHOLOGY LEGEND

Claystone, Siltstone, Shale, Fine SST, Medium SST, Coarse SST, Marl, Clay, Limestone

Limestone, Dolomite, Coal, Arg. SST, Lithic Fragment, Foraminifera, Fossils, Bryozoa

Sponges, Brachiopoda, Cement, Glauconite, Pyrite, Iron Minerals, Mica, Carb Fragments

1 unit = 200 ppm methane equivalent in air

GEOSERVICES CREW

ALS ENGINEERS

T. N. KYAW

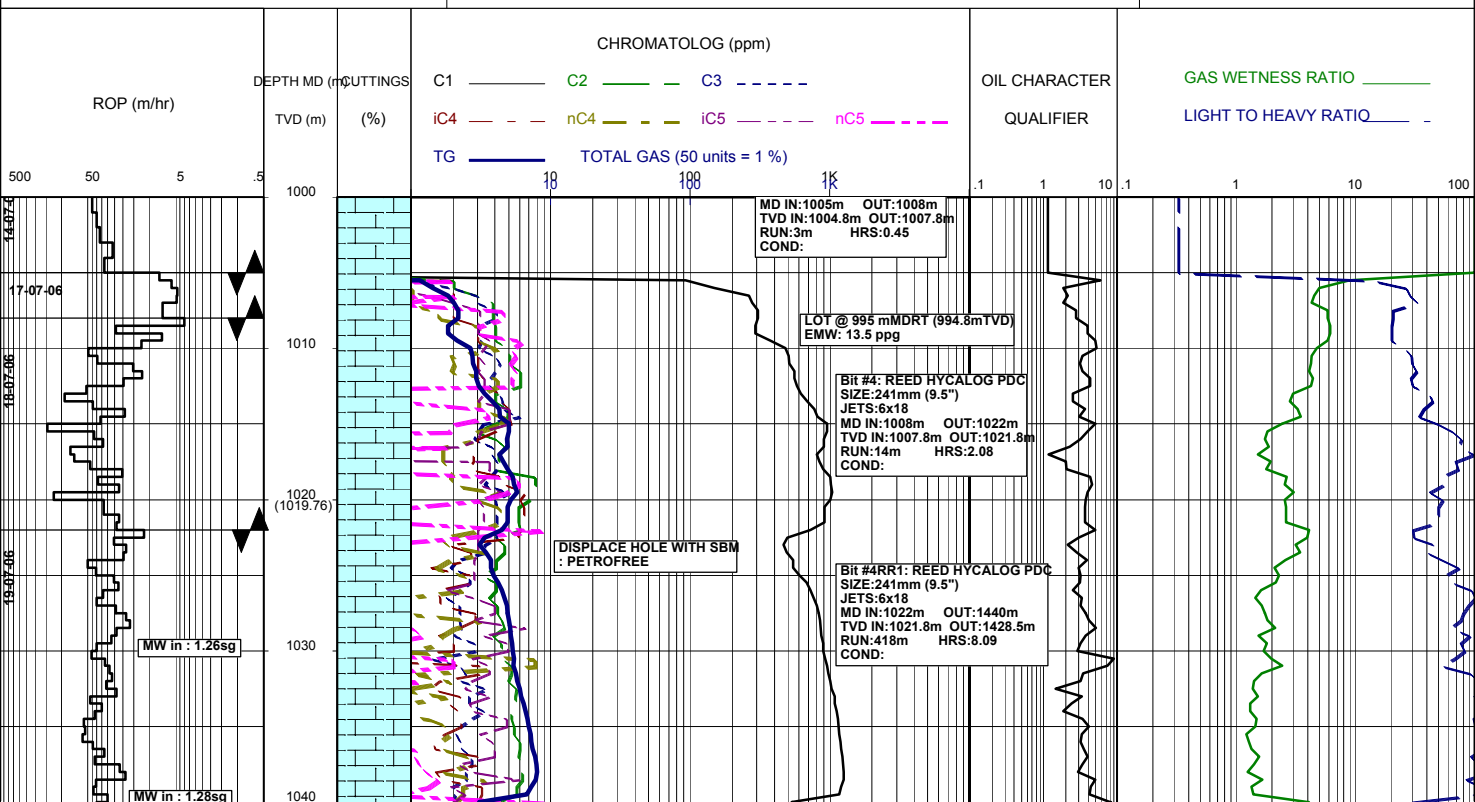
F. MAKHAD

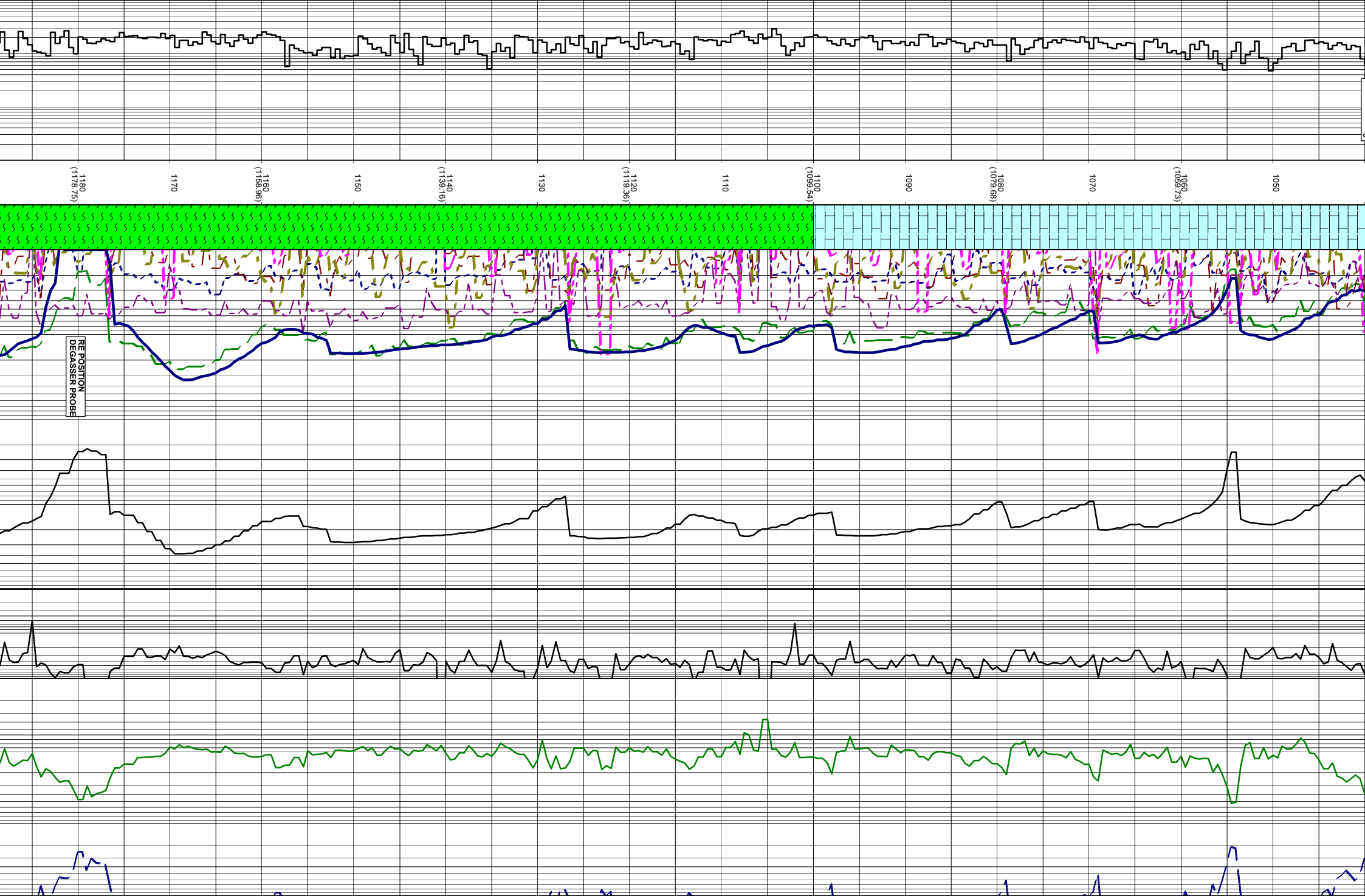
A. DUNN

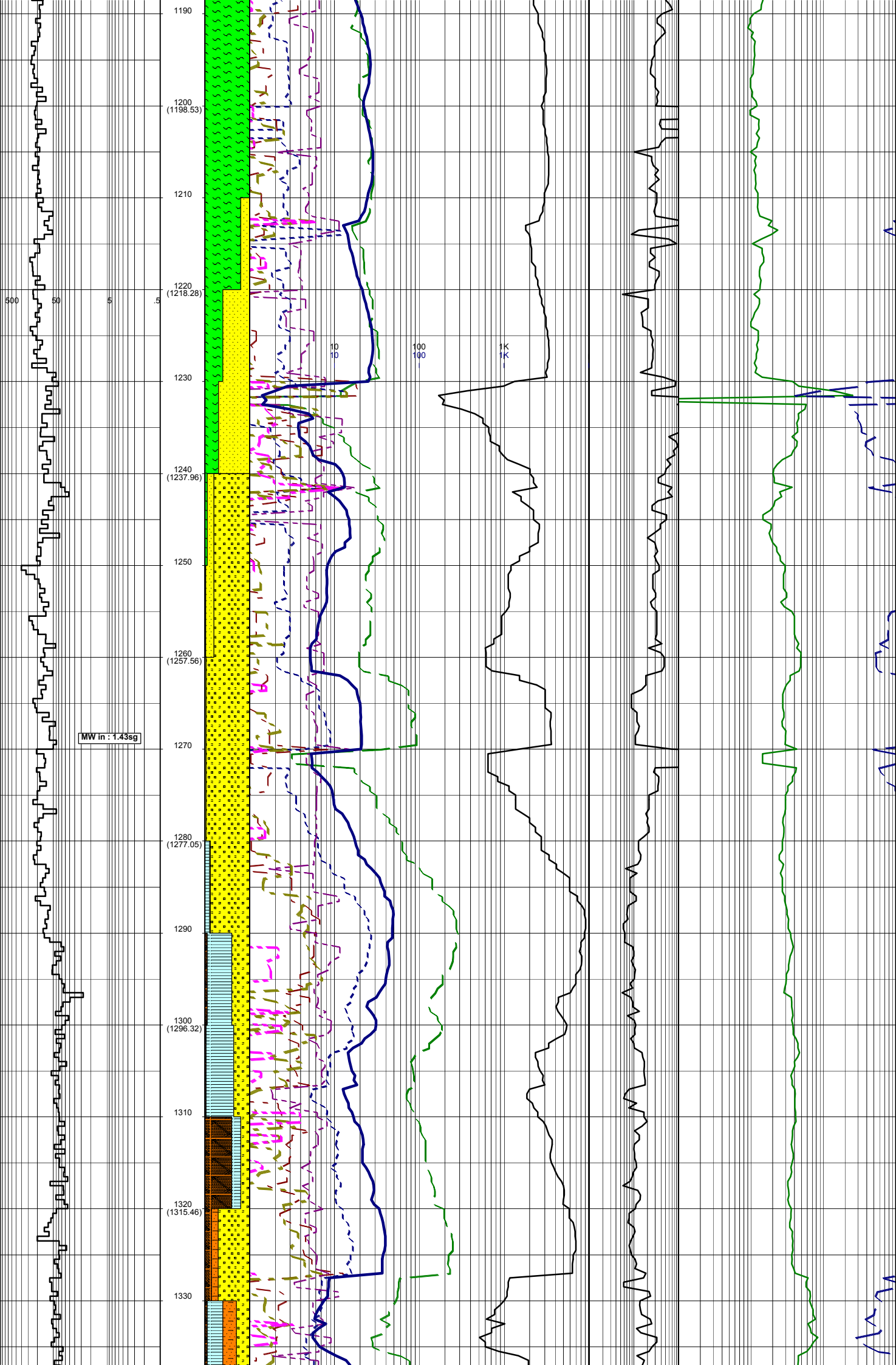
D. ADDERLEY

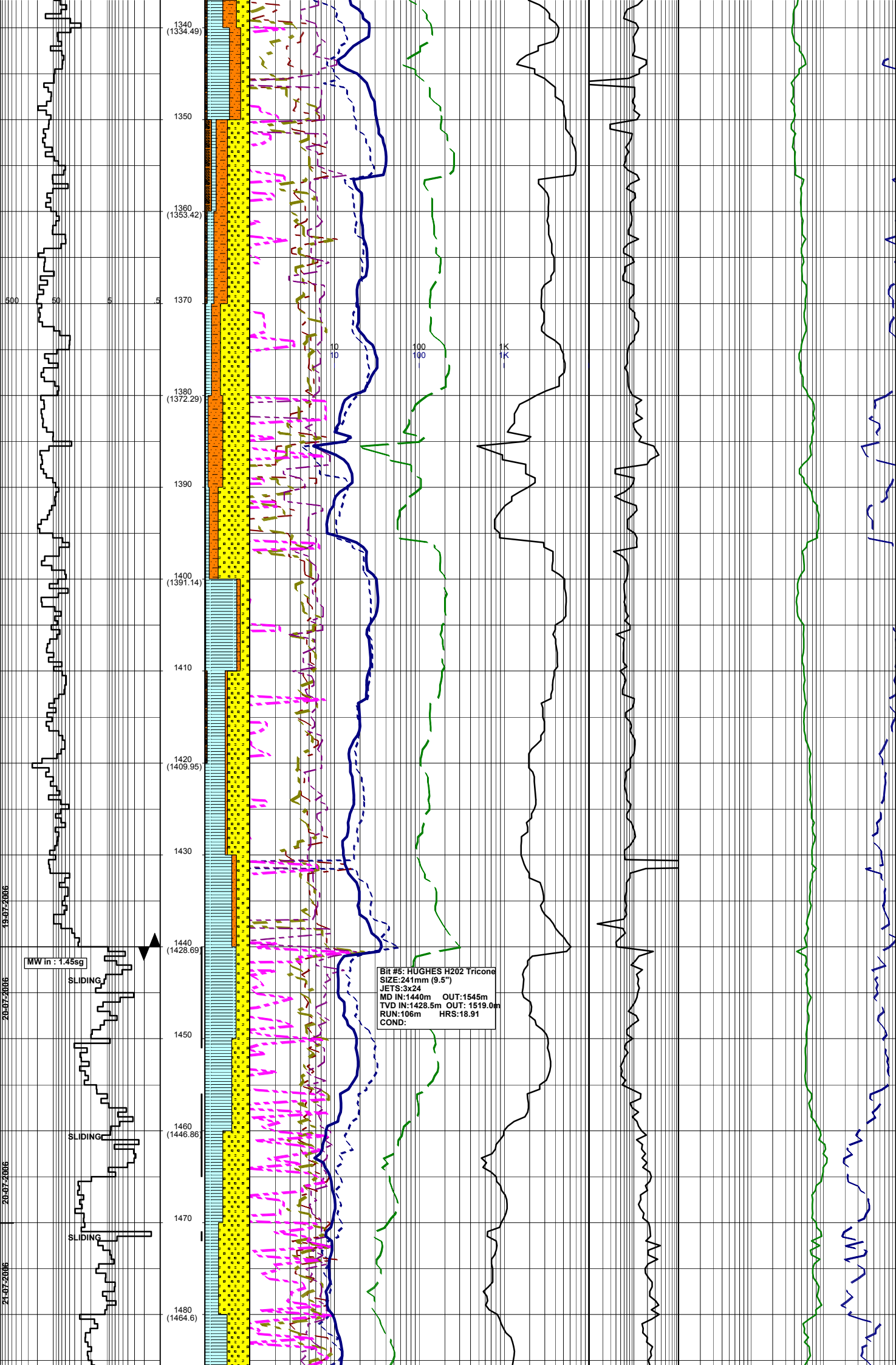
MUDLOGGERS

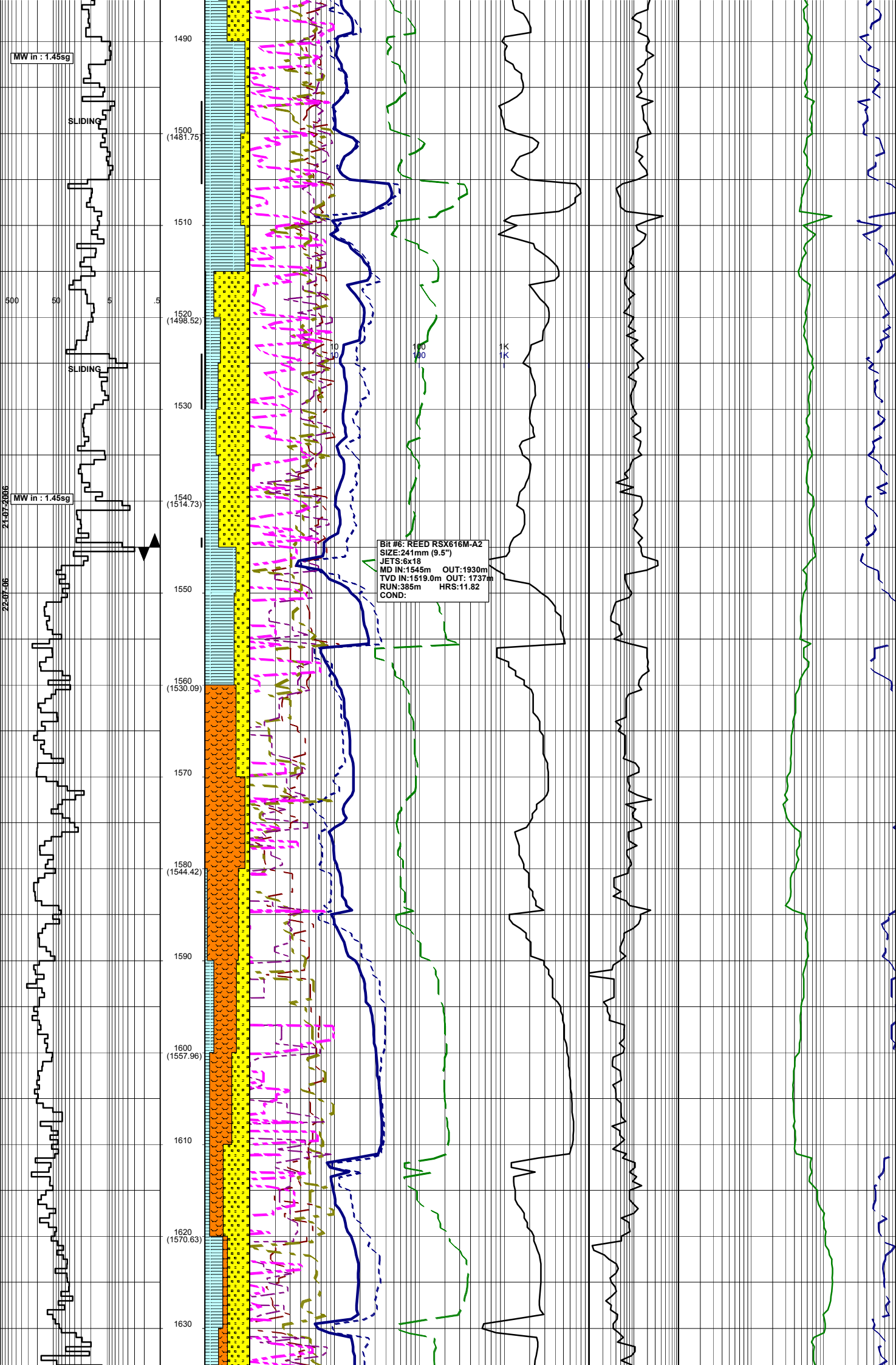
178mm(7")

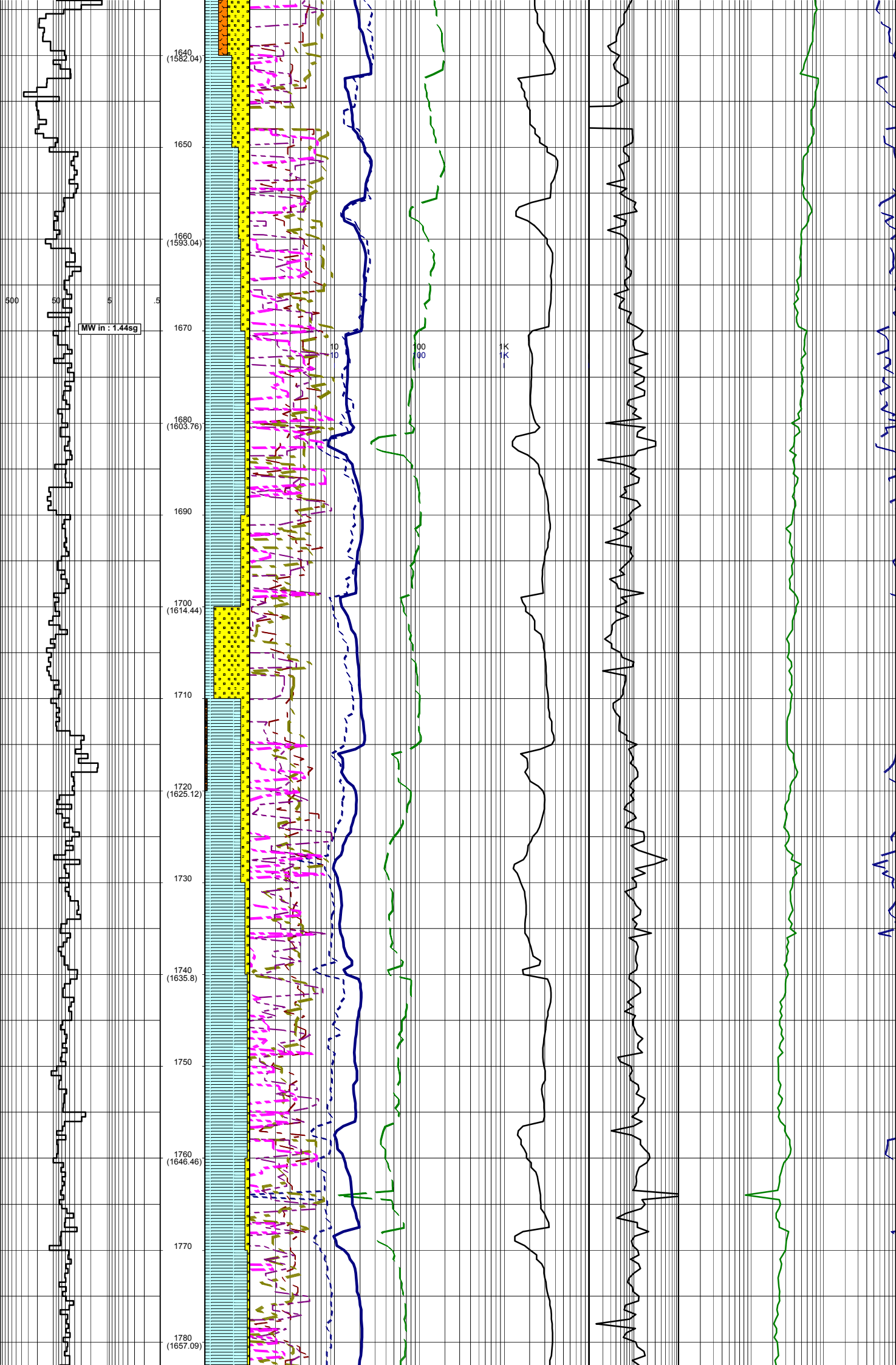


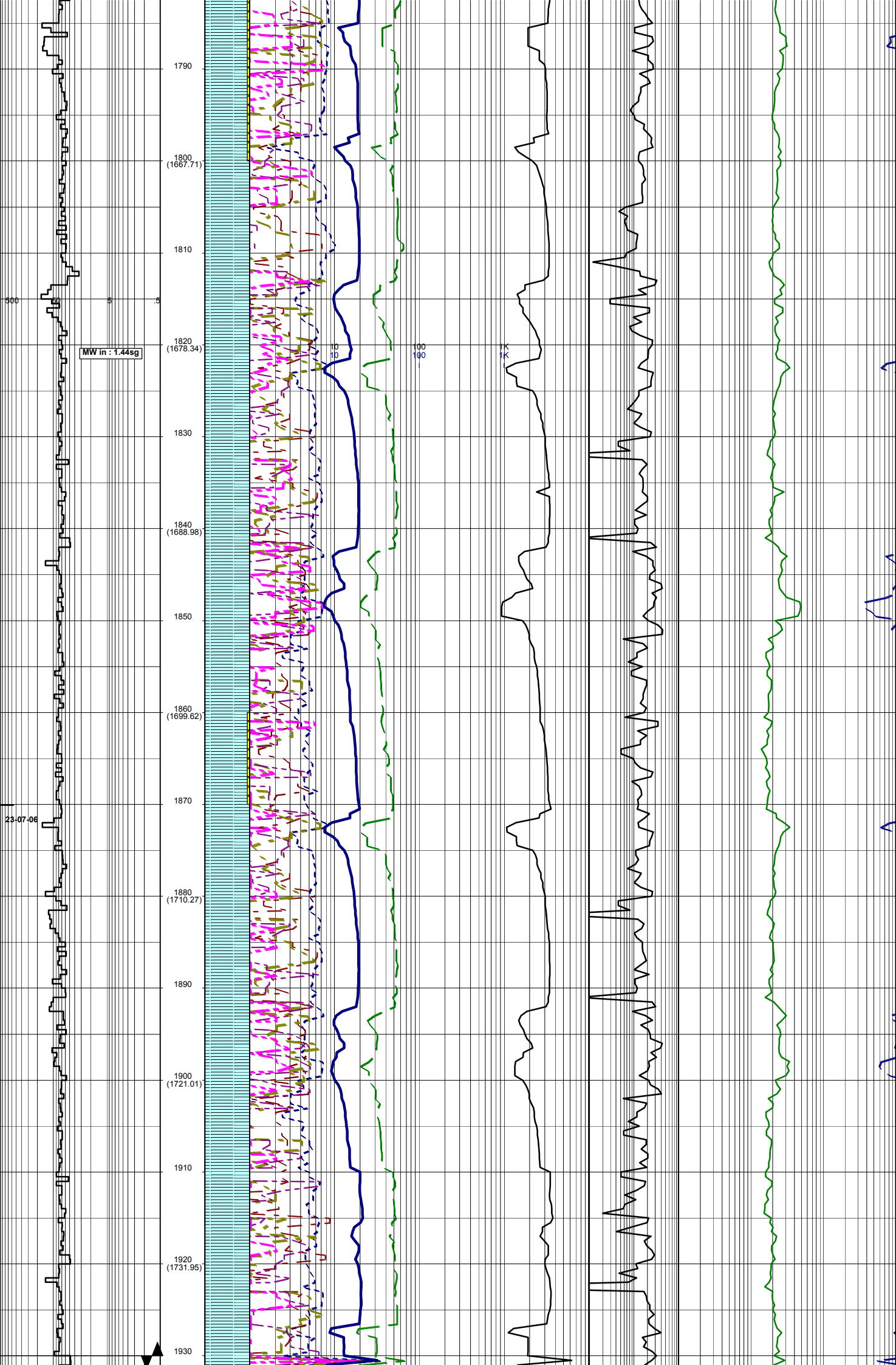

1180
(1178.75)
1170
1160
(1158.96)
1150
1140
(1139.16)
1130
1120
(1119.36)
1110
1100
(1099.54)
1090
1080
(1079.68)
1070
1060
(1059.73)
1050
RE POSITION
DEGASSER PROBE

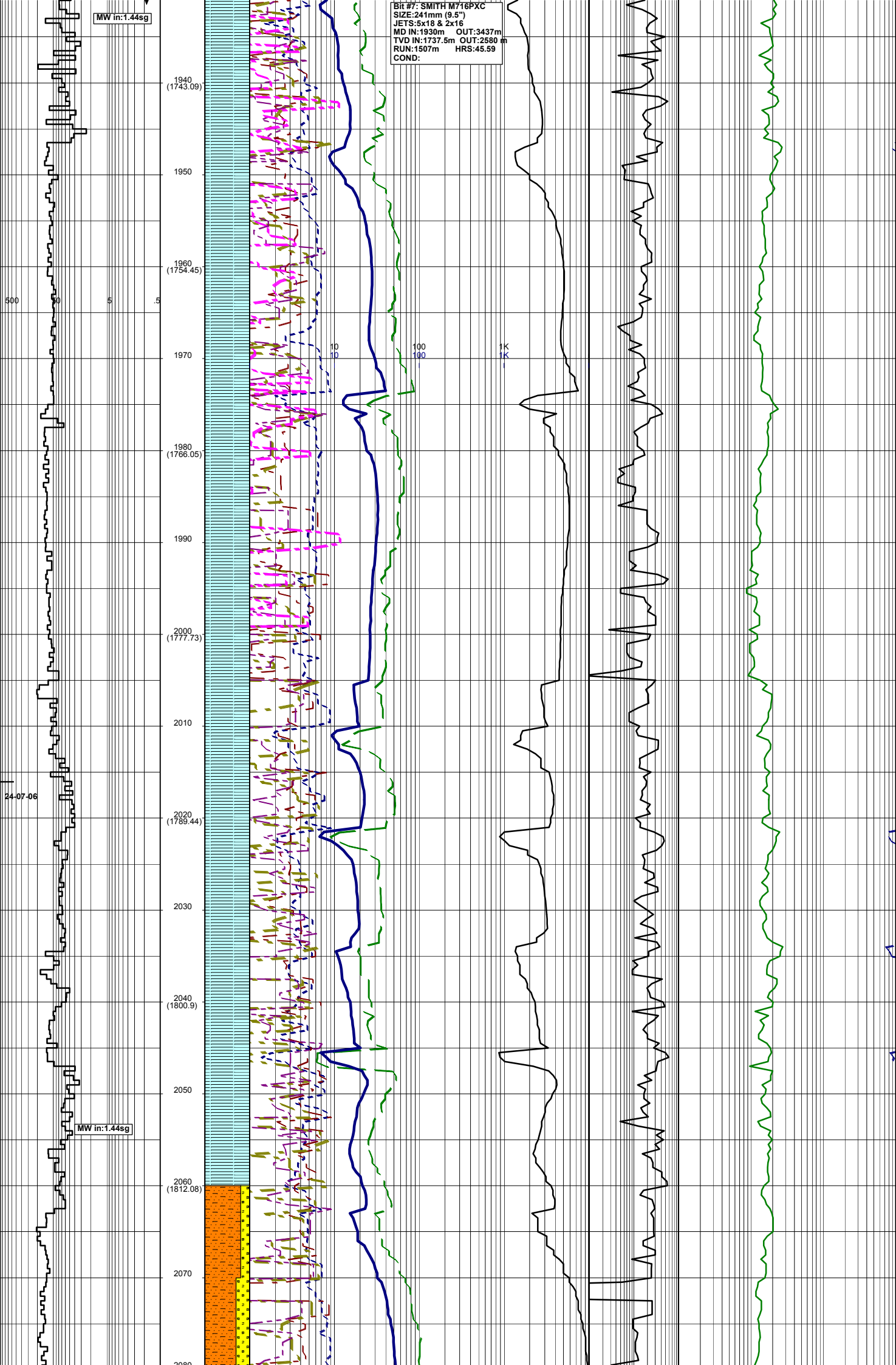

1190
1200
(1198.53)
1210
1220
(1218.28)
1230
1240
(1237.96)
1250
1260
(1257.56)
1270
1280
(1277.05)
1290
1300
(1296.32)
1310
1320
(1315.46)
1330
500
50
5
.5
10
10
100
100
1K
1K
MW in : 1.43sg

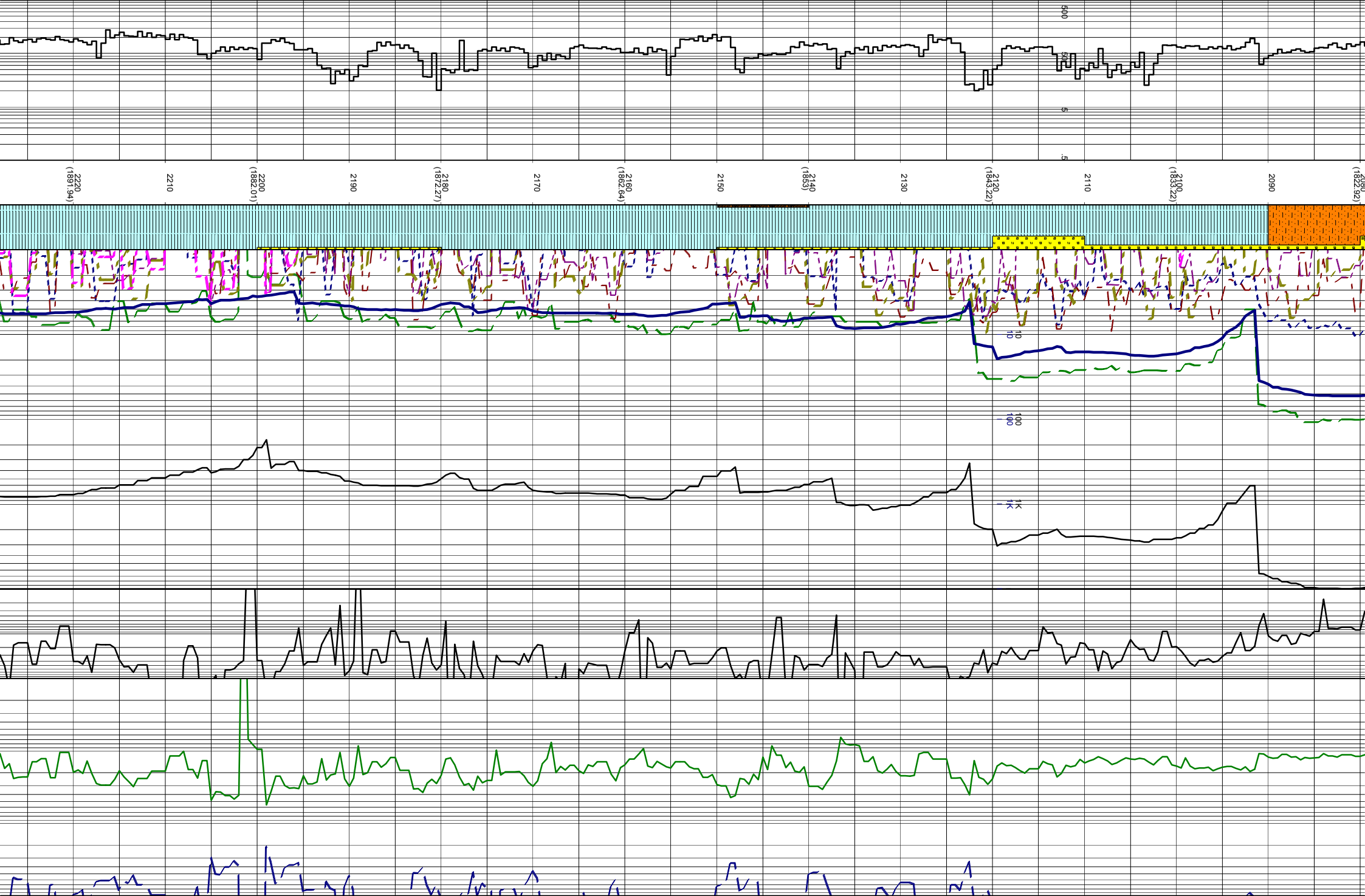

1340
(1334.49)
1350
1360
(1353.42)
500
50
5
5
1370
10
10
100
100
1K
1K
1380
(1372.29)
1390
1400
(1391.14)
1410
1420
(1409.95)
1430
1440
(1428.69)
1450
1460
(1446.86)
1470
1480
(1464.6)
MW in : 1.45sg
SLIDING
SLIDING
SLIDING
Bit #5: HUGHES H202 Tricone
SIZE:241mm (9.5")
JETS:3x24
MD IN:1440m OUT:1545m
TVD IN:1428.5m OUT: 1519.0m
RUN:106m HRS:18.91
COND:
19-07-2006
20-07-2006
20-07-2006
21-07-2006

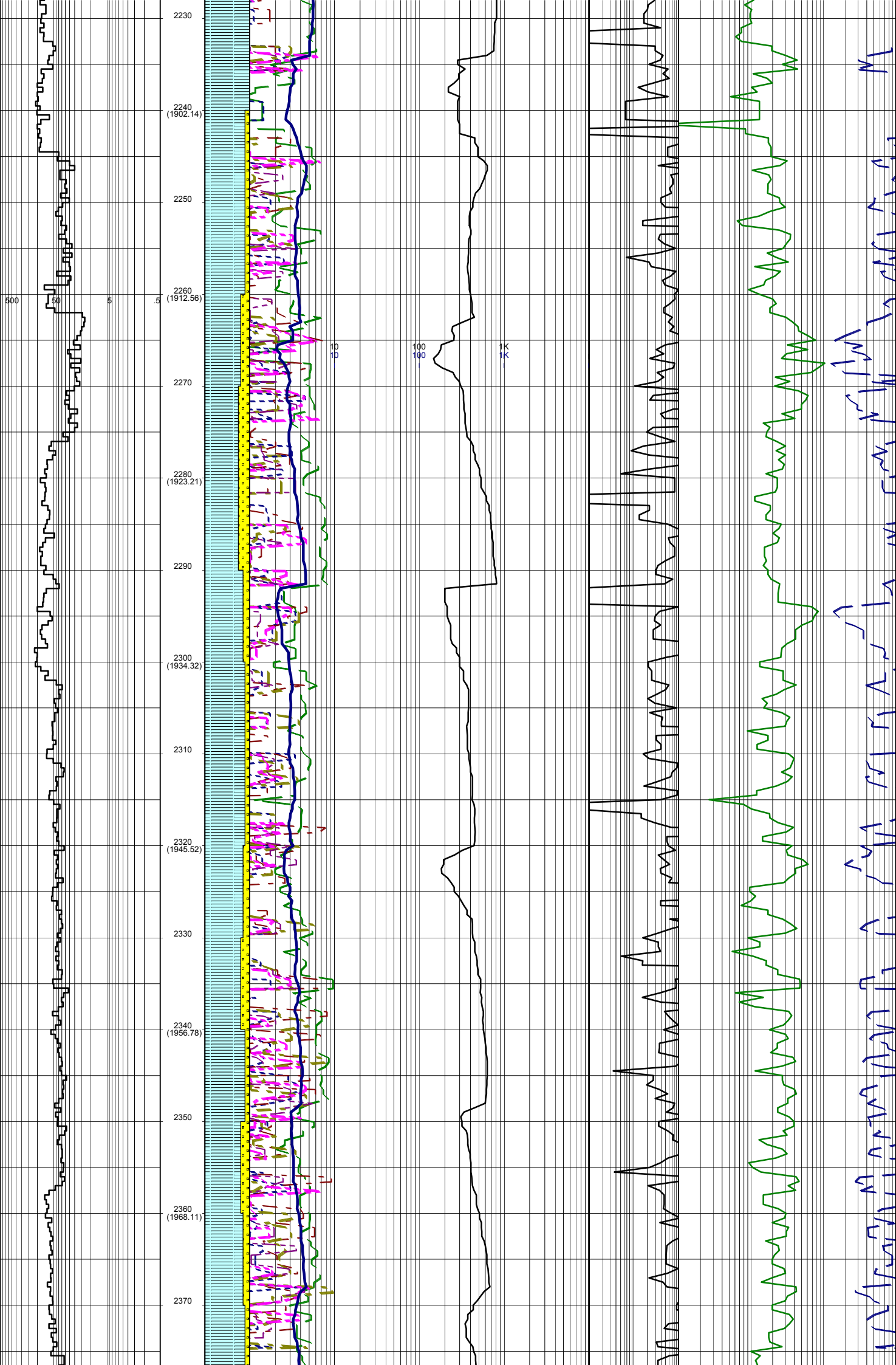

MW in : 1.45sg
SLIDING
1490
1500
(1481.75)
1510
500
50
5
.5
1520
(1498.52)
10
10
100
100
1K
1K
SLIDING
1530
MW in : 1.45sg
1540
(1514.73)
21-07-2006
22-07-06
Bit #6: REED RSX616M-A2
SIZE:241mm (9.5")
JETS:6x18
MD IN:1545m OUT:1930m
TVD IN:1519.0m OUT: 1737m
RUN:385m HRS:11.82
COND:
1550
1560
(1530.09)
1570
1580
(1544.42)
1590
1600
(1557.96)
1610
1620
(1570.63)
1630

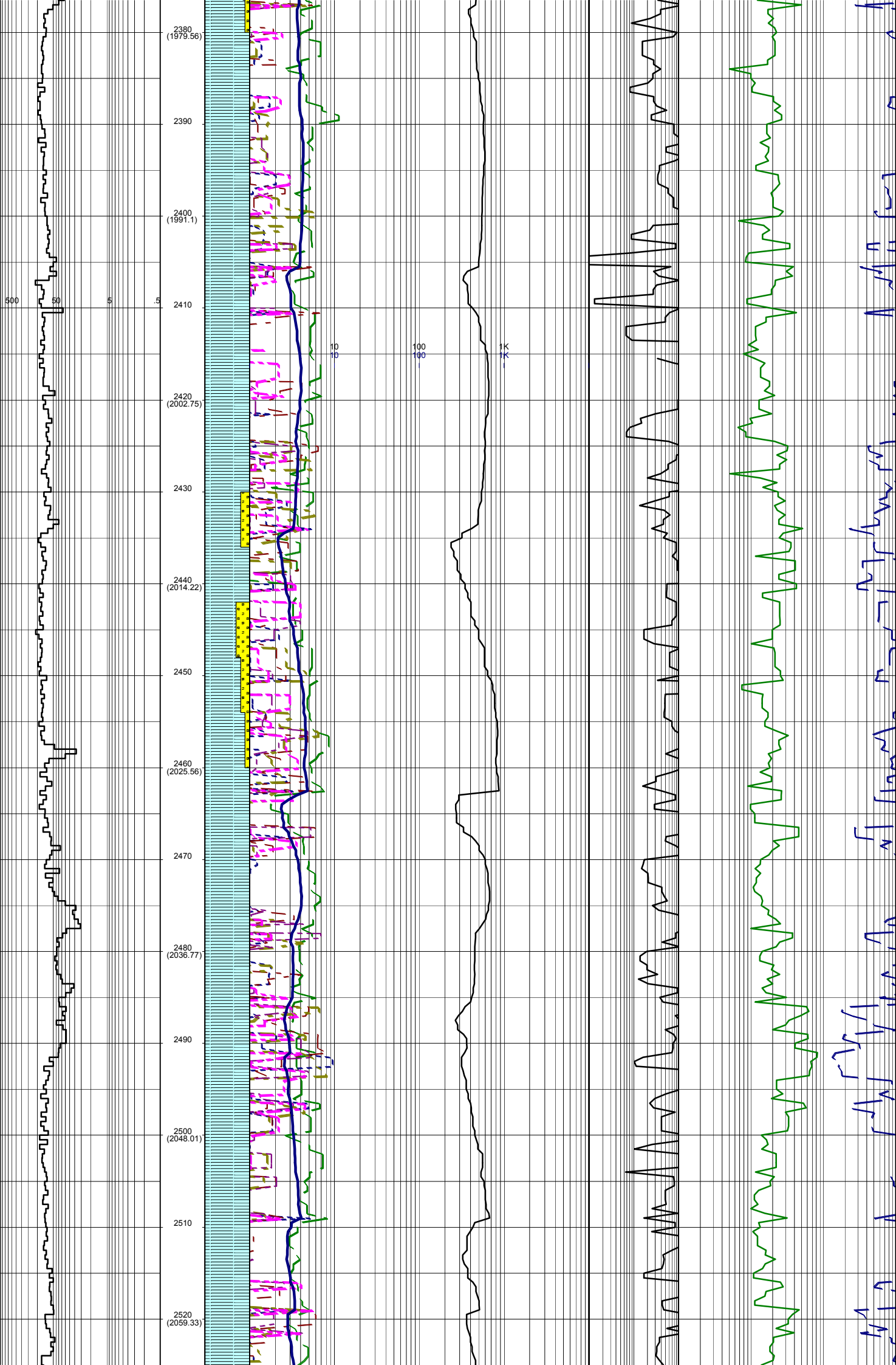

1640
(1582.04)
1650
1660
(1593.04)
500
50
5
.5
MW in : 1.44sg
1670
10
10
100
100
1K
1K
1680
(1603.76)
1690
1700
(1614.44)
1710
1720
(1625.12)
1730
1740
(1635.8)
1750
1760
(1646.46)
1770
1780
(1657.09)

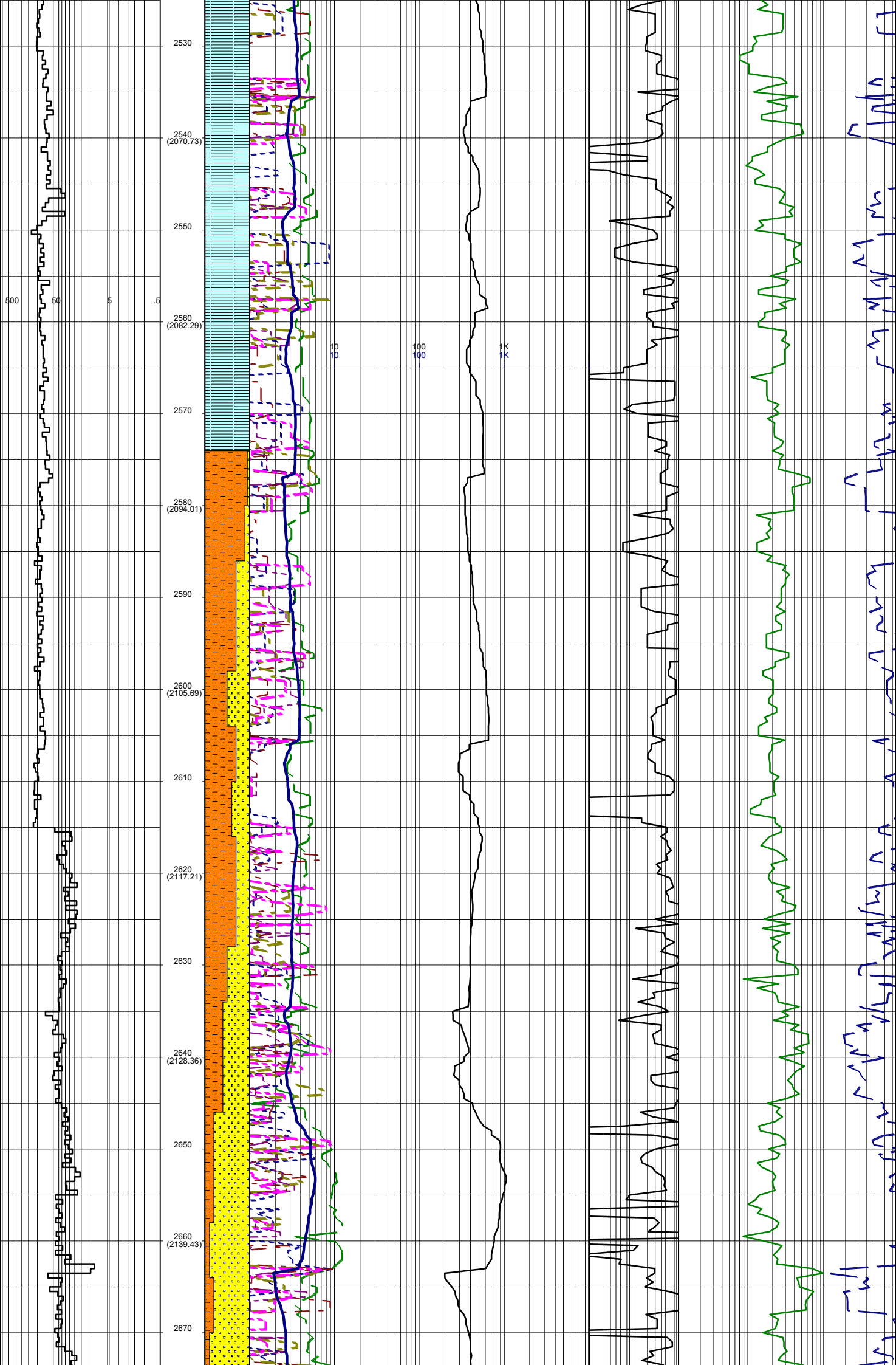

1790
1800
(1667.71)
1810
1820
(1678.34)
1830
1840
(1688.98)
1850
1860
(1699.62)
1870
1880
(1710.27)
1890
1900
(1721.01)
1910
1920
(1731.95)
1930
MW in : 1.44sg
23-07-06

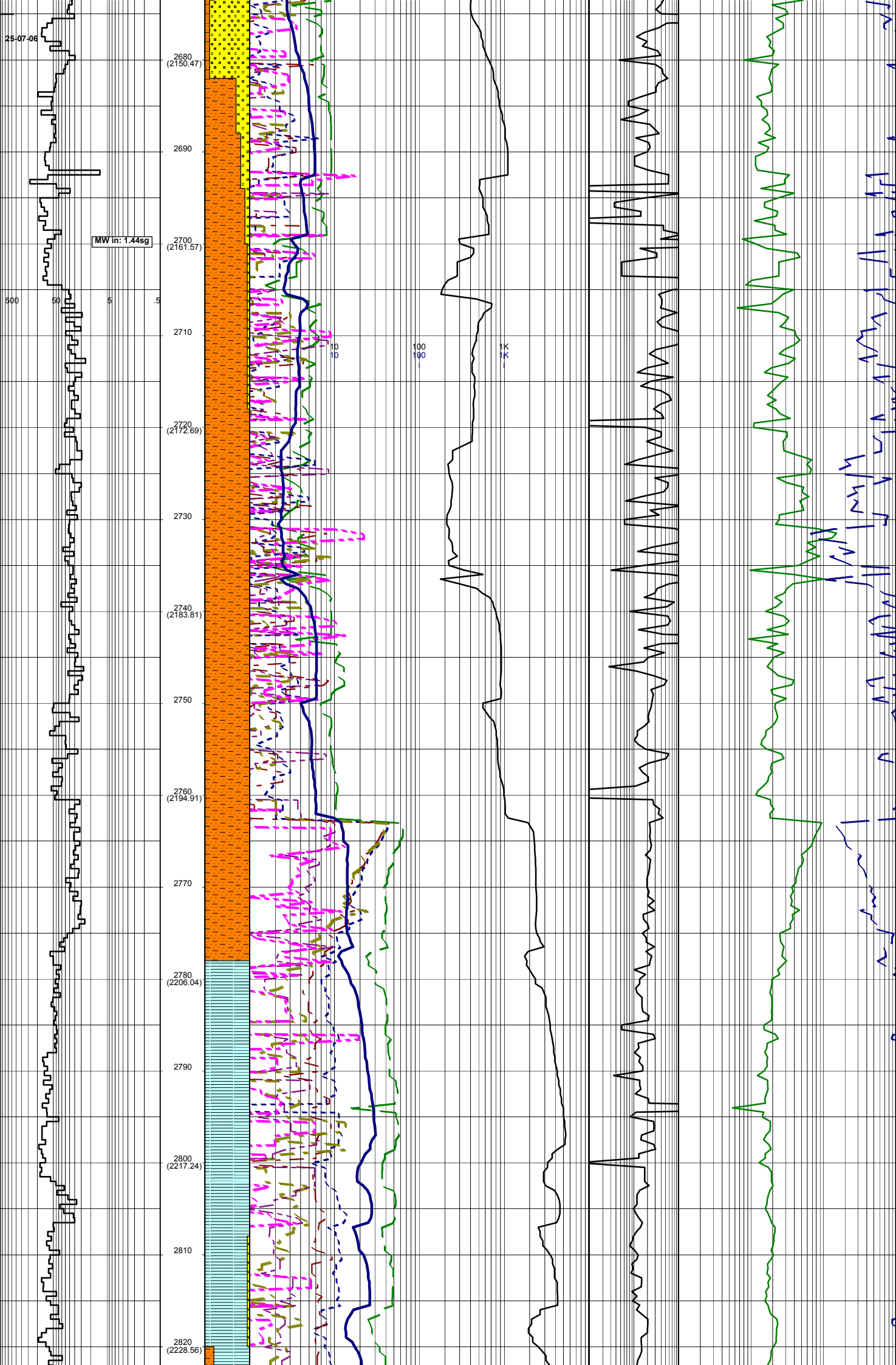

MW in:1.44sg
Bit #7: SMITH M716PXC
SIZE:241mm (9.5")
JETS:5x18 & 2x16
MD IN:1930m OUT:3437m
TVD IN:1737.5m OUT:2580 m
RUN:1507m HRS:45.59
COND:
1940
(1743.09)
1950
1960
(1754.45)
1970
1980
(1766.05)
1990
2000
(1777.73)
2010
2020
(1789.44)
2030
2040
(1800.9)
2050
2060
(1812.08)
2070
500
10
100
1K
24-07-06
MW in:1.44sg

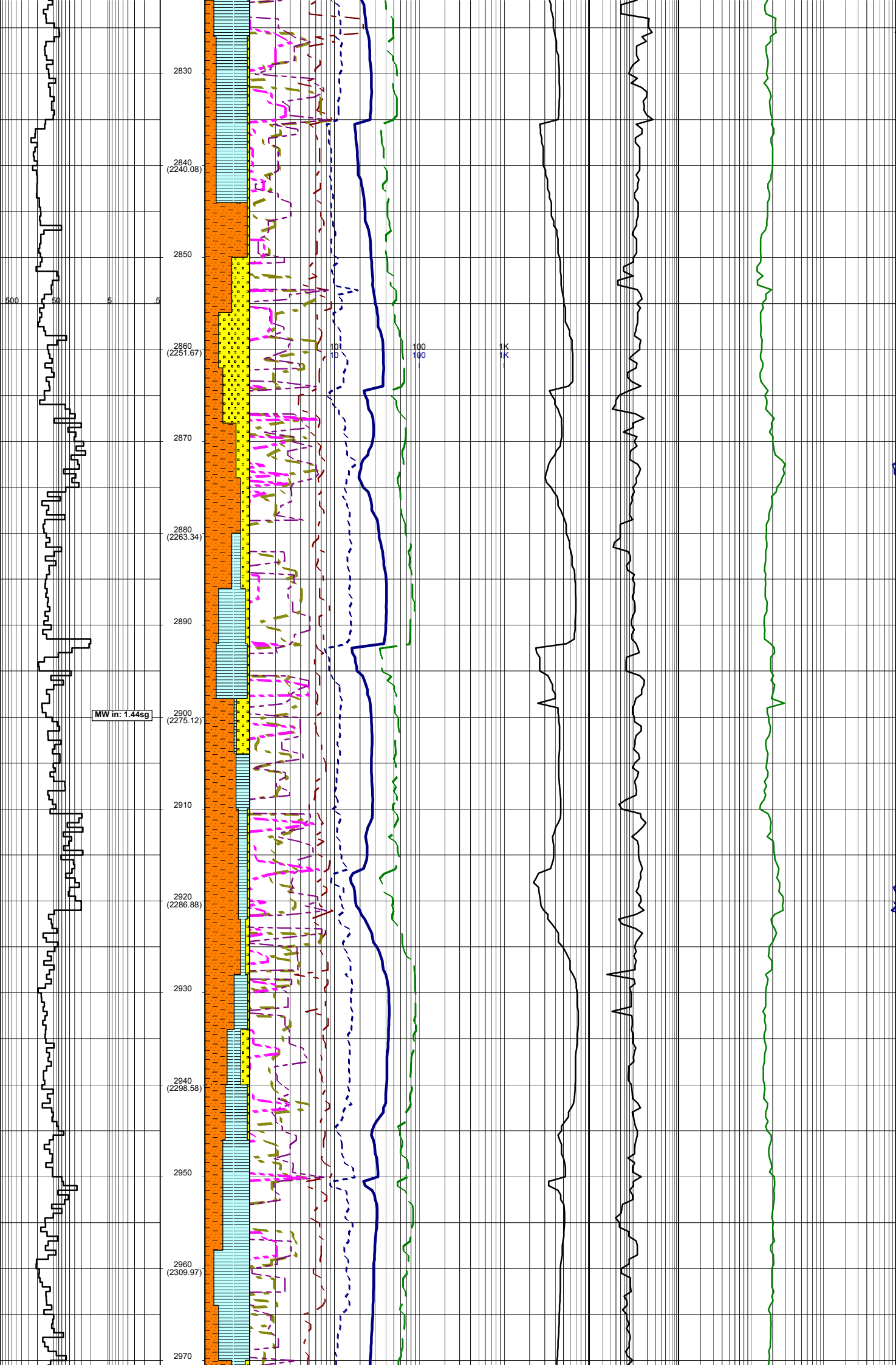

500
50
5
.5
2220 (1891.94)
2210
2200 (1882.01)
2190
2180 (1872.27)
2170
2160 (1862.64)
2150
2140 (1853)
2130
2120 (1843.22)
2110
2100 (1833.22)
2090
(1822.92)
10
10
100
100
1K
1K

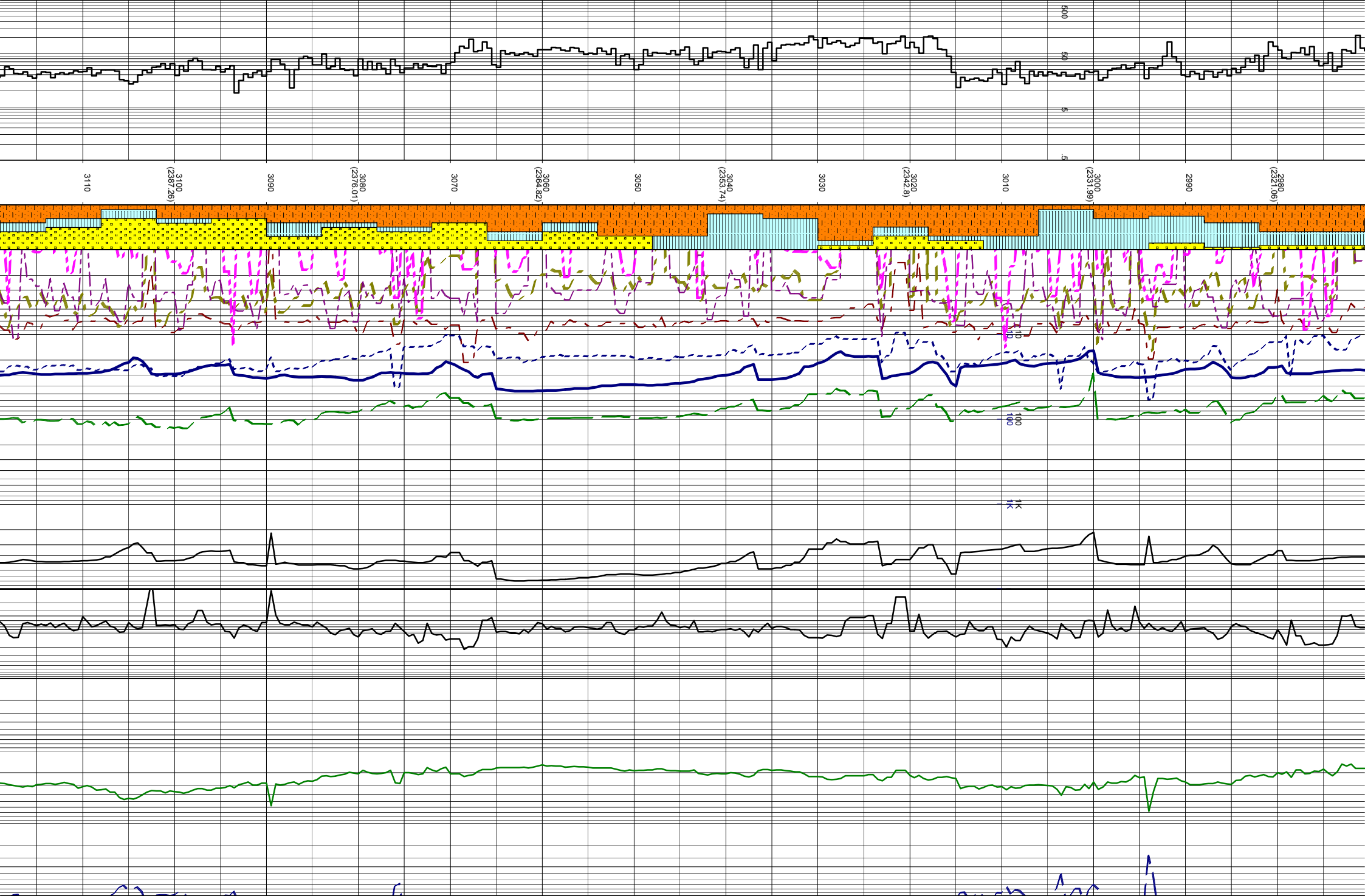

500
50
5
.5
2230
2240
(1902.14)
2250
2260
(1912.56)
10
10
100
100
1K
1K
2270
2280
(1923.21)
2290
2300
(1934.32)
2310
2320
(1945.52)
2330
2340
(1956.78)
2350
2360
(1968.11)
2370

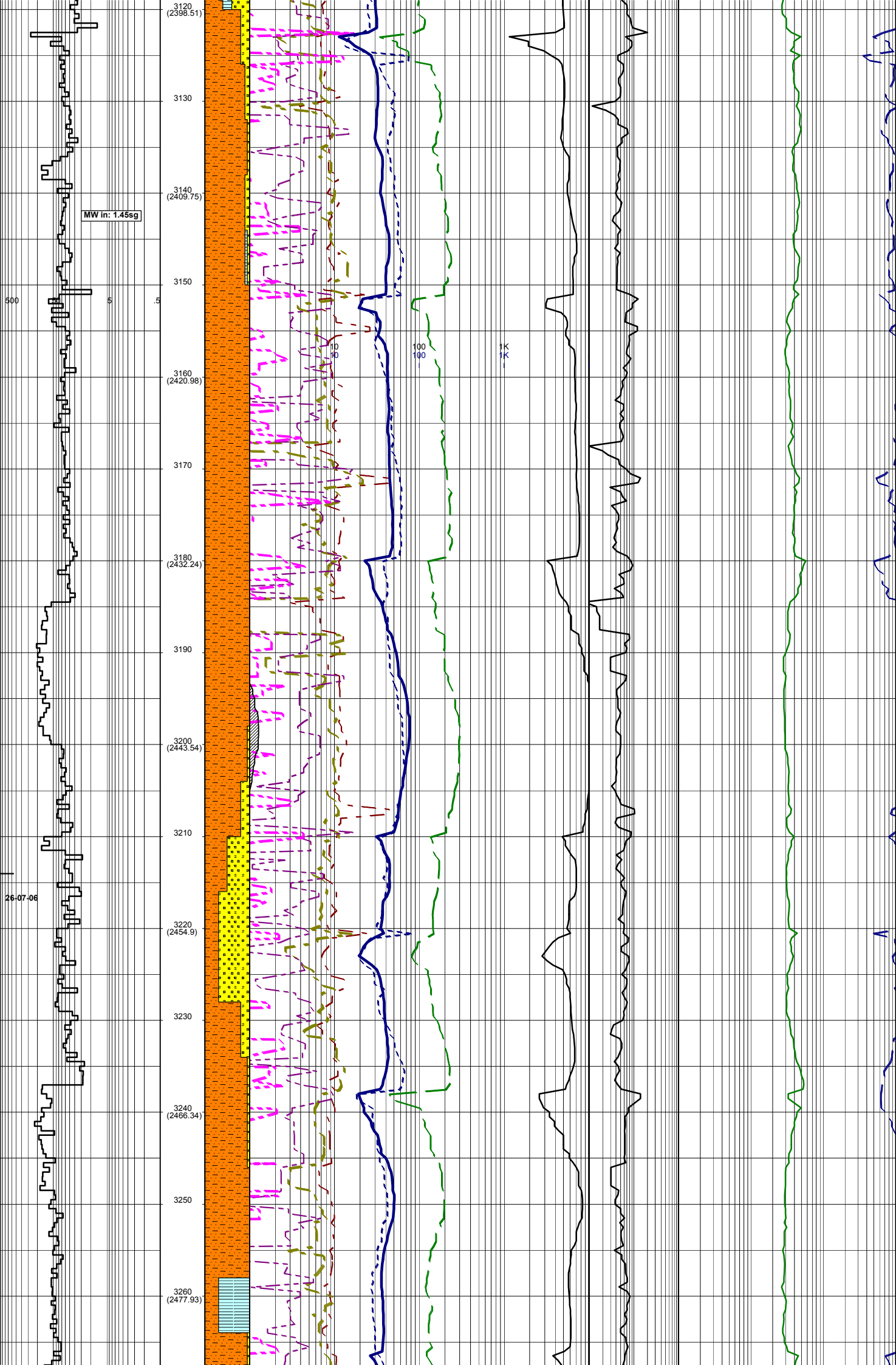

500
50
5
.5
2380
(1979.56)
2390
2400
(1991.1)
2410
10
10
100
100
1K
1K
2420
(2002.75)
2430
2440
(2014.22)
2450
2460
(2025.56)
2470
2480
(2036.77)
2490
2500
(2048.01)
2510
2520
(2059.33)

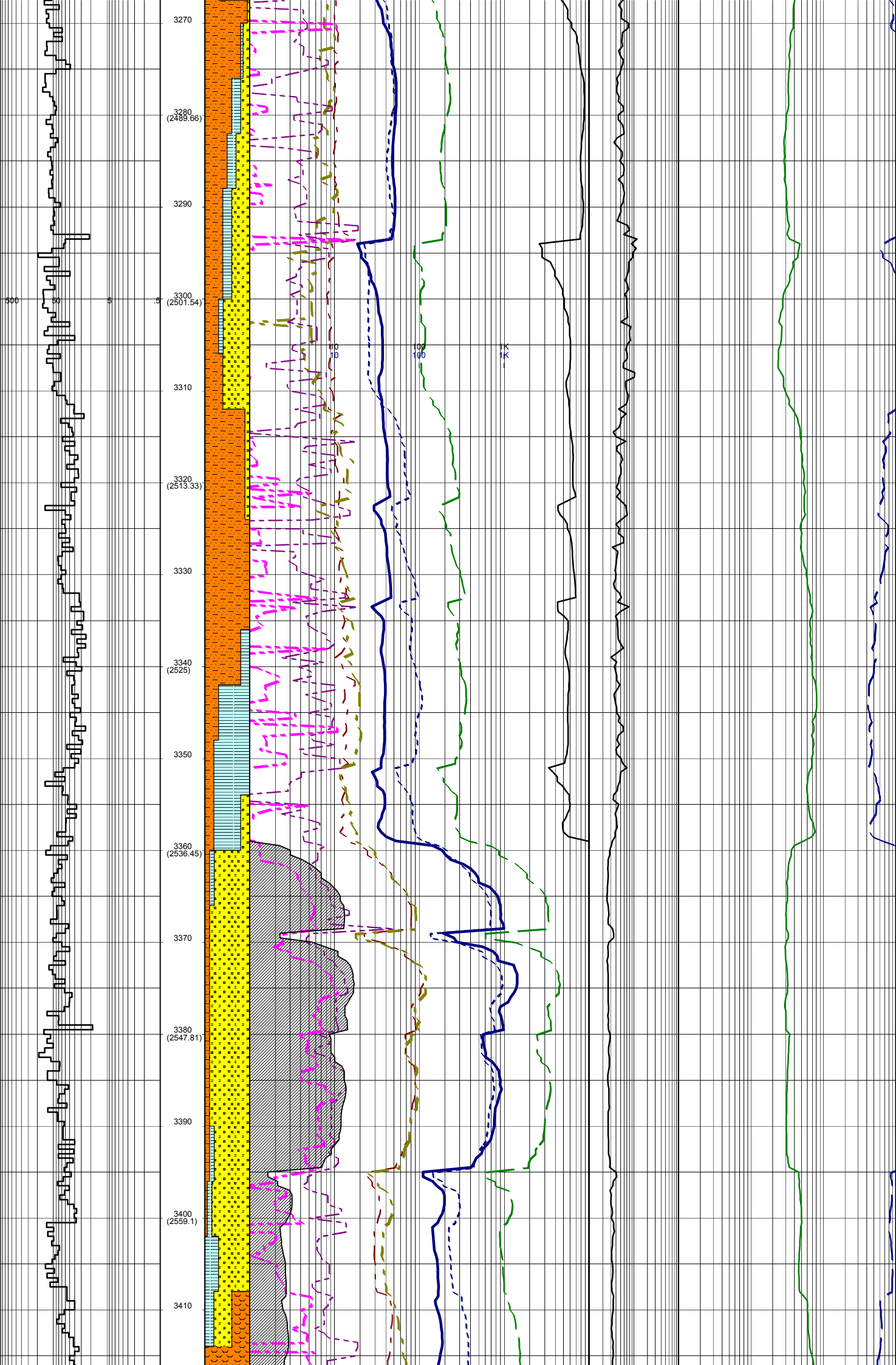

500
50
5
.5
2530
2540
(2070.73)
2550
2560
(2082.29)
2570
2580
(2094.01)
2590
2600
(2105.69)
2610
2620
(2117.21)
2630
2640
(2128.36)
2650
2660
(2139.43)
2670
10
10
100
100
1K
1K

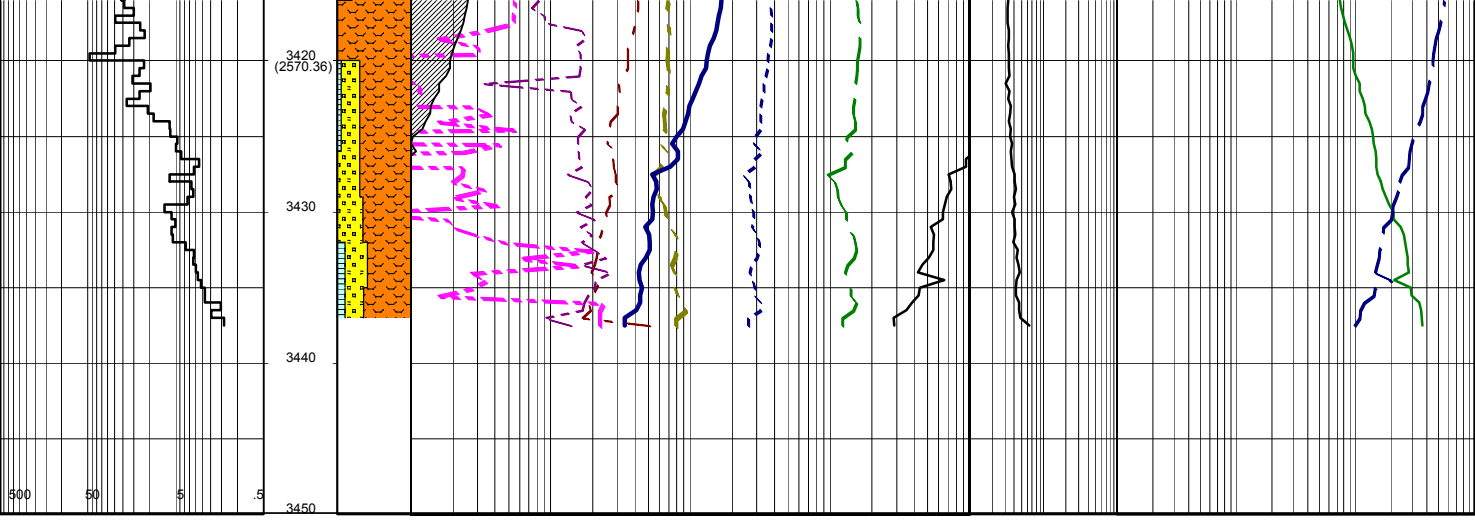

25-07-06
MW in: 1.44sg
500
50
5
.5
2680
(2150.47)
2690
2700
(2161.57)
2710
2720
(2172.69)
2730
2740
(2183.81)
2750
2760
(2194.91)
2770
2780
(2206.04)
2790
2800
(2217.24)
2810
2820
(2228.56)
10
10
100
100
1K
1K


500
50
5
5
2830
2840
(2240.08)
2850
2860
(2251.67)
2870
2880
(2263.34)
2890
2900
(2275.12)
2910
2920
(2286.88)
2930
2940
(2298.58)
2950
2960
(2309.97)
2970
10
10
100
100
1K
1K
MW in: 1.44sg


500
50
5
.5
3110
3100 (2387.26)
3090
3080 (2376.01)
3070
3060 (2364.82)
3050
3040 (2353.74)
3030
3020 (2342.8)
3010
3000 (2331.99)
2990
2980 (2321.06)
1K
100


MW in: 1.45sg
3120
(2398.51)
3130
3140
(2409.75)
3150
3160
(2420.98)
3170
3180
(2432.24)
3190
3200
(2443.54)
3210
3220
(2454.9)
3230
3240
(2466.34)
3250
3260
(2477.93)
26-07-06


3270
3280
(2489.66)
3290
3300
(2501.54)
3310
3320
(2513.33)
3330
3340
(2525)
3350
3360
(2536.45)
3370
3380
(2547.81)
3390
3400
(2559.1)
3410
500
50
5
.5
10
100
1K


3420
(2570.36)
3430
3440
3450
500
50
5
.5