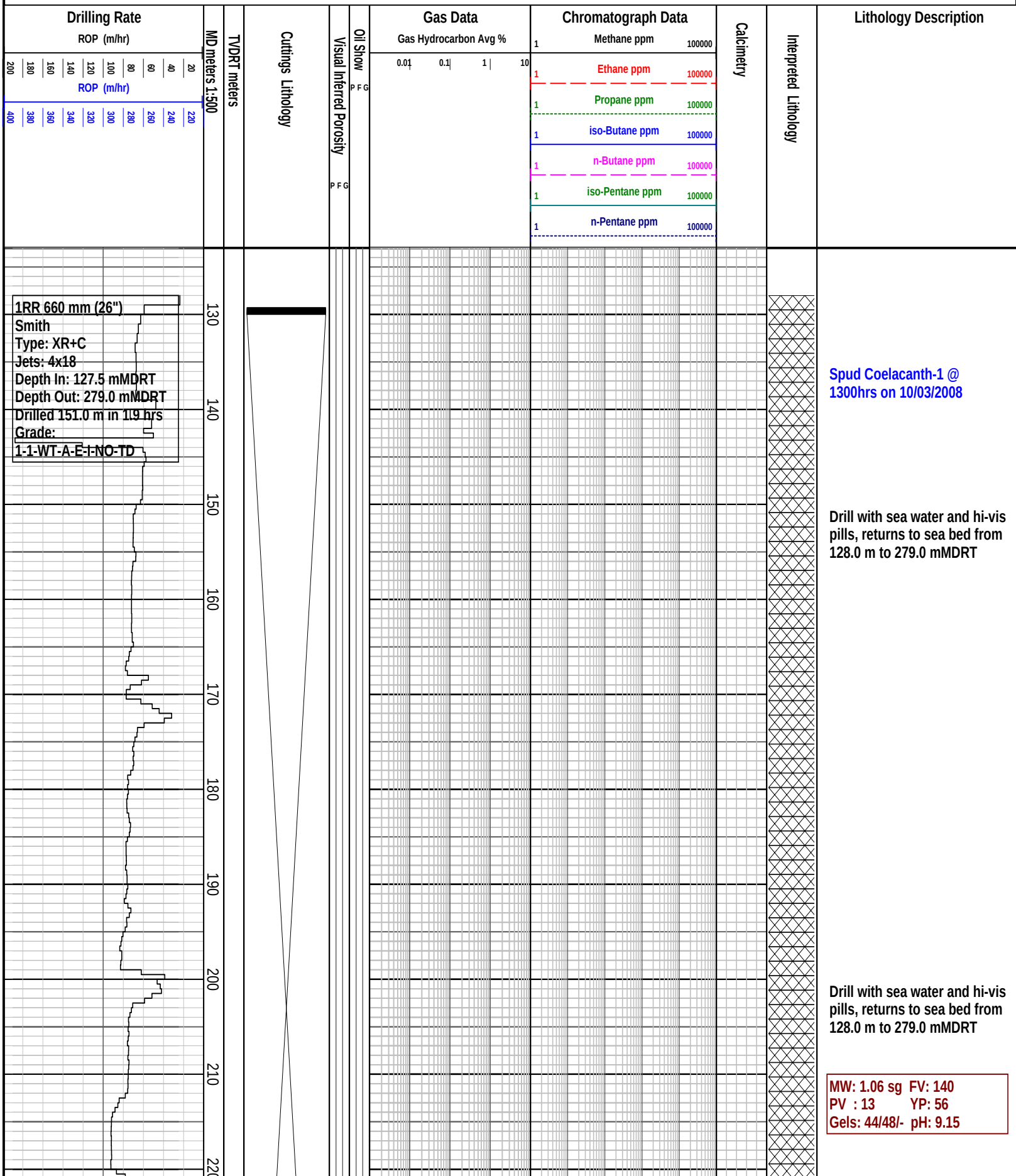
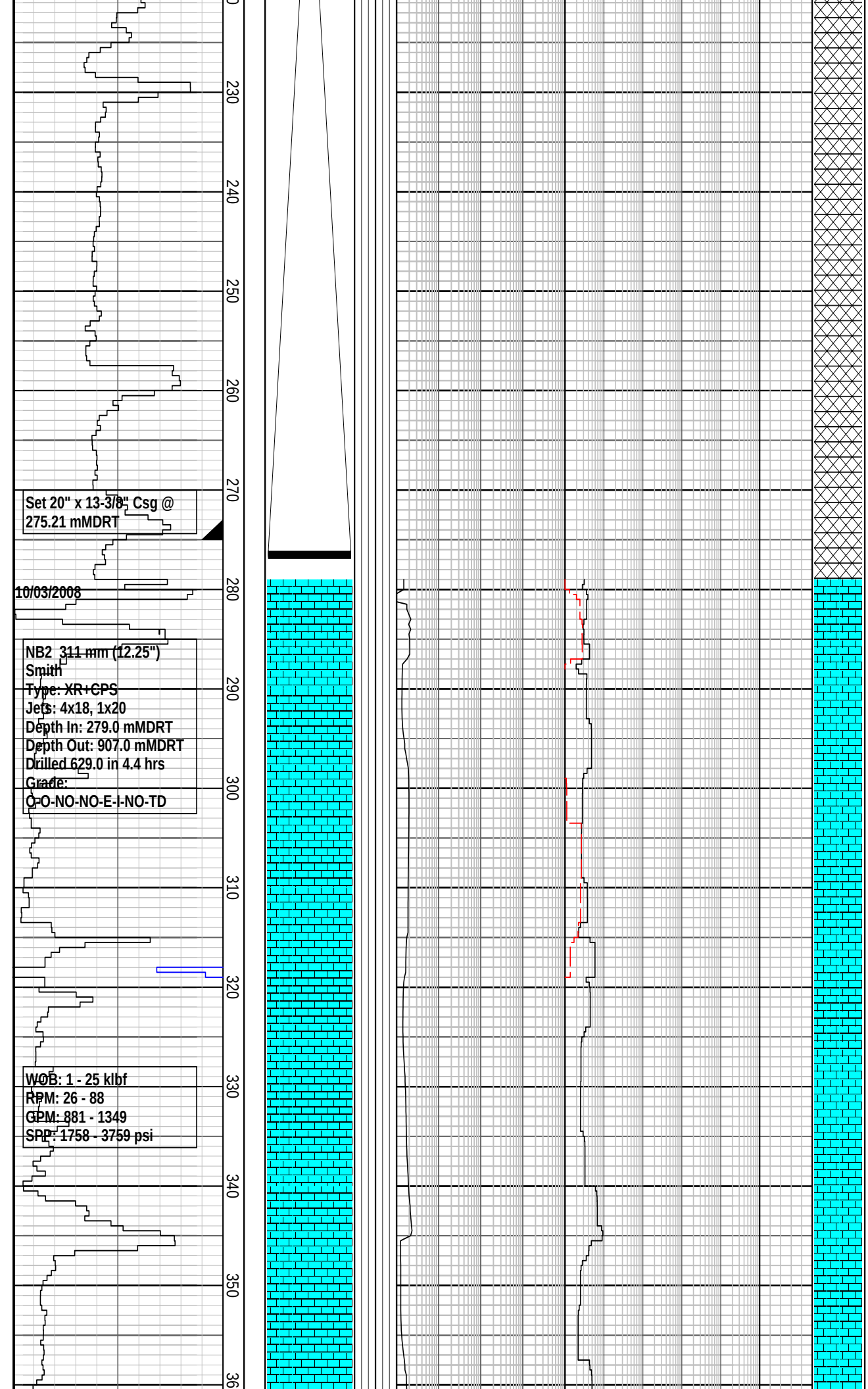
BAKER HUGHES
INTEQ

Company : Apache
Well : Coelacanth-1
Interval : 123.00 - 1623.18 meters
Created : 17/Mar/2008 5:45:02 AM

# FORMATION EVALUATION LOG



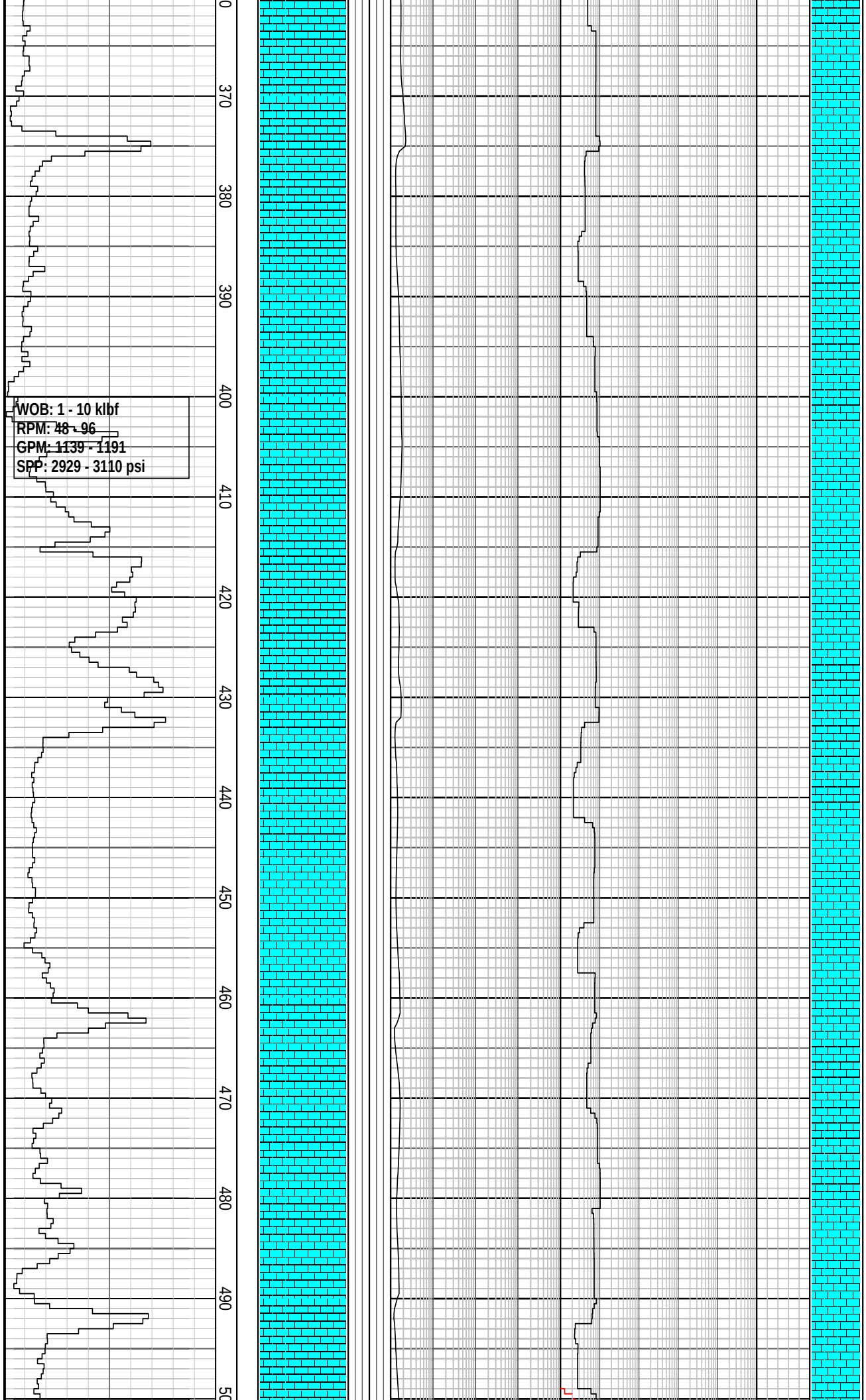



660 mm (26") Section TD @ 279.0 mMDRT on 10/03/2008

CALCARENITE: lt-m gry, lt-m bl gry, lt olv gy, tr carb spks, com foss frag, tr v f qtz grs, mod hd- hd, sbblky-blky

CALCISILITE: wh- lt gry, com lt- m gry, com foss, mod hd- hd, sbblky- blky

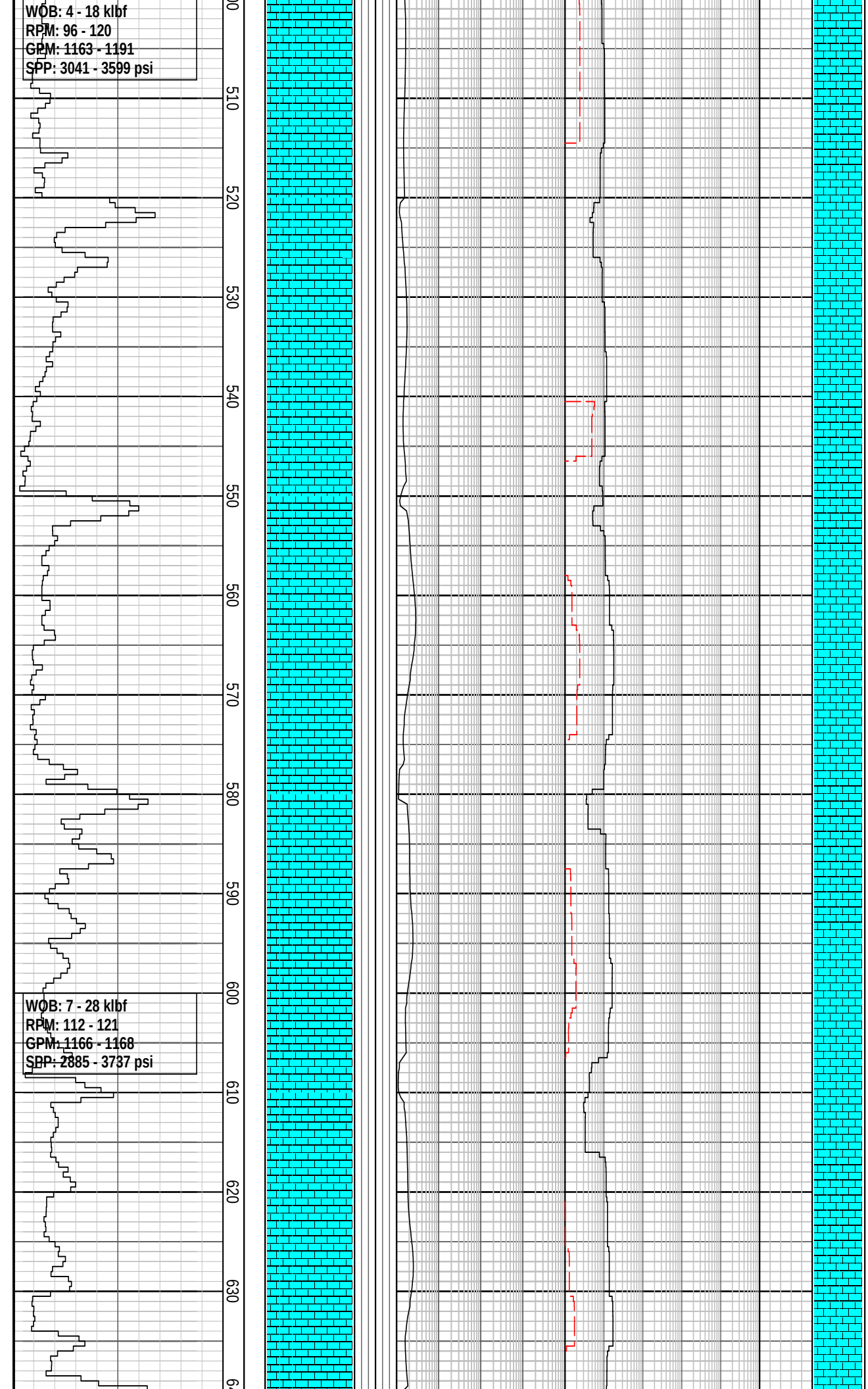
CALCILUTITE: v lt gry- lt gy, lt bl gry, off wh, mnr lt- m gy, lt brn gy, com foss, tr- rr f qtz grs, frm- mod hd, sbblky-blky




CALCARENITE: lt- m gry, lt olv gry, mnr m gry, com foss frags, mod hd-hd, sbblky-blky.

CALCILUTITE: v lt gy- lt gy, lt bl gy, off wh, mnr lt- m gy, lt brn gy, com foss, tr- rr f qtz grs, frm- mod hd, sbblky-blky

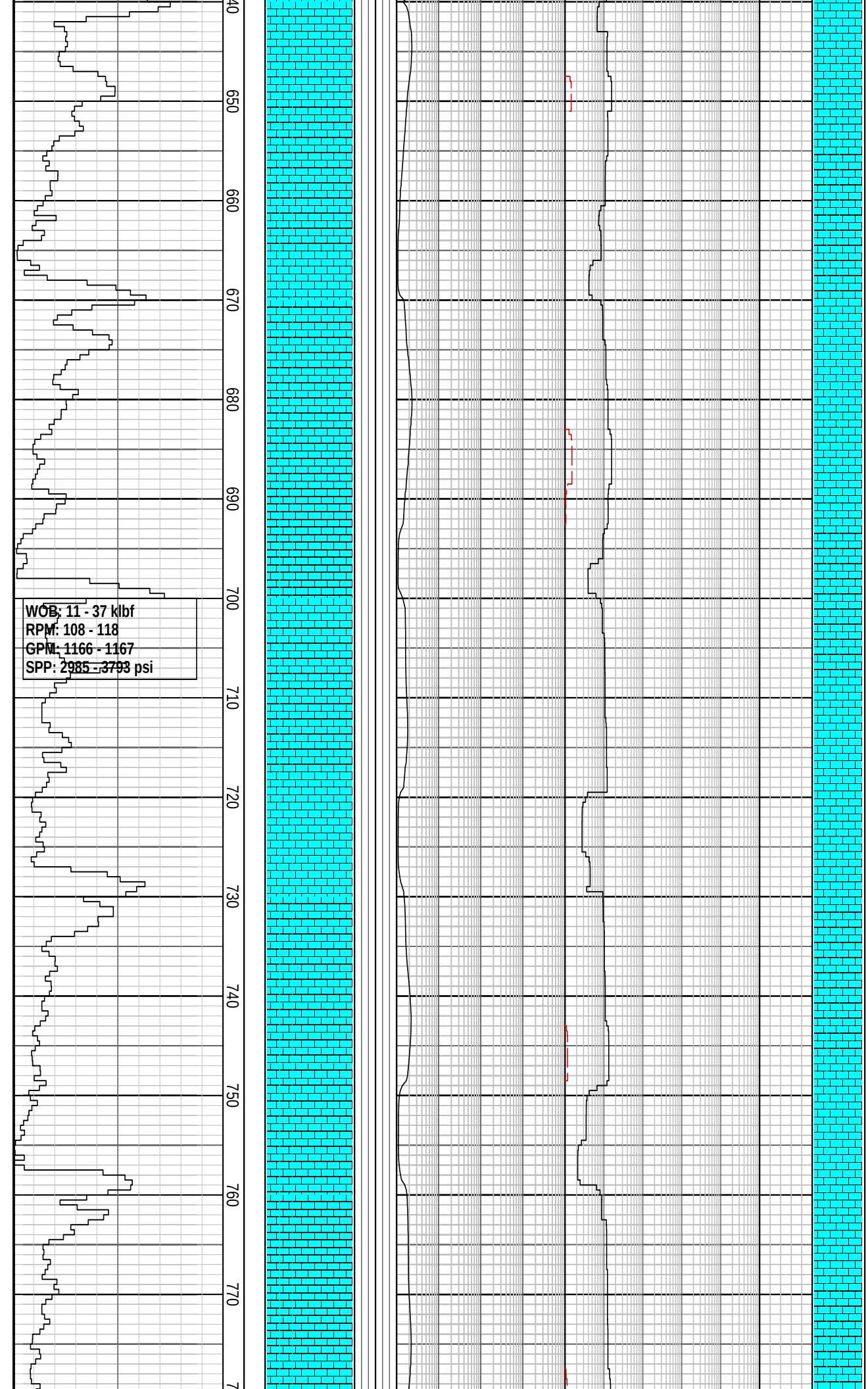
CALCARENITE: lt- m gry, lt olv gry, mnr m gry, com foss frags, mod hd-hd, sbblky-blky.




CALCARENITE: lt- m gry, lt olv gry, mnr m gry, com foss frags, mod hd-hd, sbblky-blky.

CALCARENITE: lt- m gry, lt olv gry, mnr m gry, com foss frags, mod hd-hd, sbblky-blky.

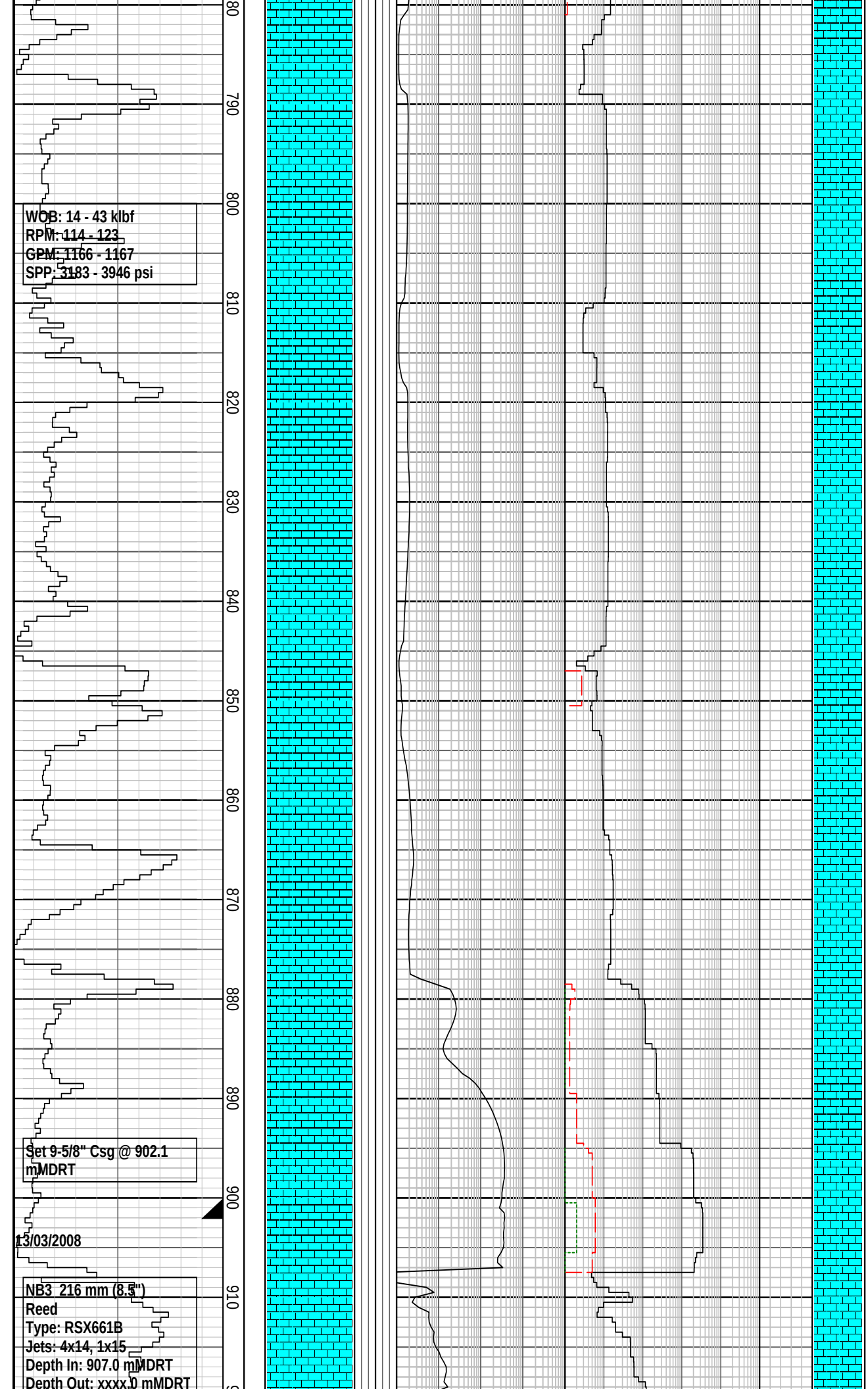
CALCARENITE: lt-m gy, lt-m olv, lt brn gy, tr com foss frags, com fn-m qtz grs, mod hd, sbblky-blky.




CALCARENITE: lt-m gy, lt-m olv, lt brn gy, tr com foss frags, com fn-m qtz grs, mod hd, sbblky-blky.

CALCARENITE : lt-m gy, lt bl gy , mnr m dk gy, com v fn-fn qtz grs, com foss frags, mod hd-hd, sbblky-blky.

CALCARENITE : lt-m gy, pred m gy, lt bl gy , mnr m dk gy, com v fn-fn qtz grs, com foss frags, mod hd-hd, sbblky-blky.



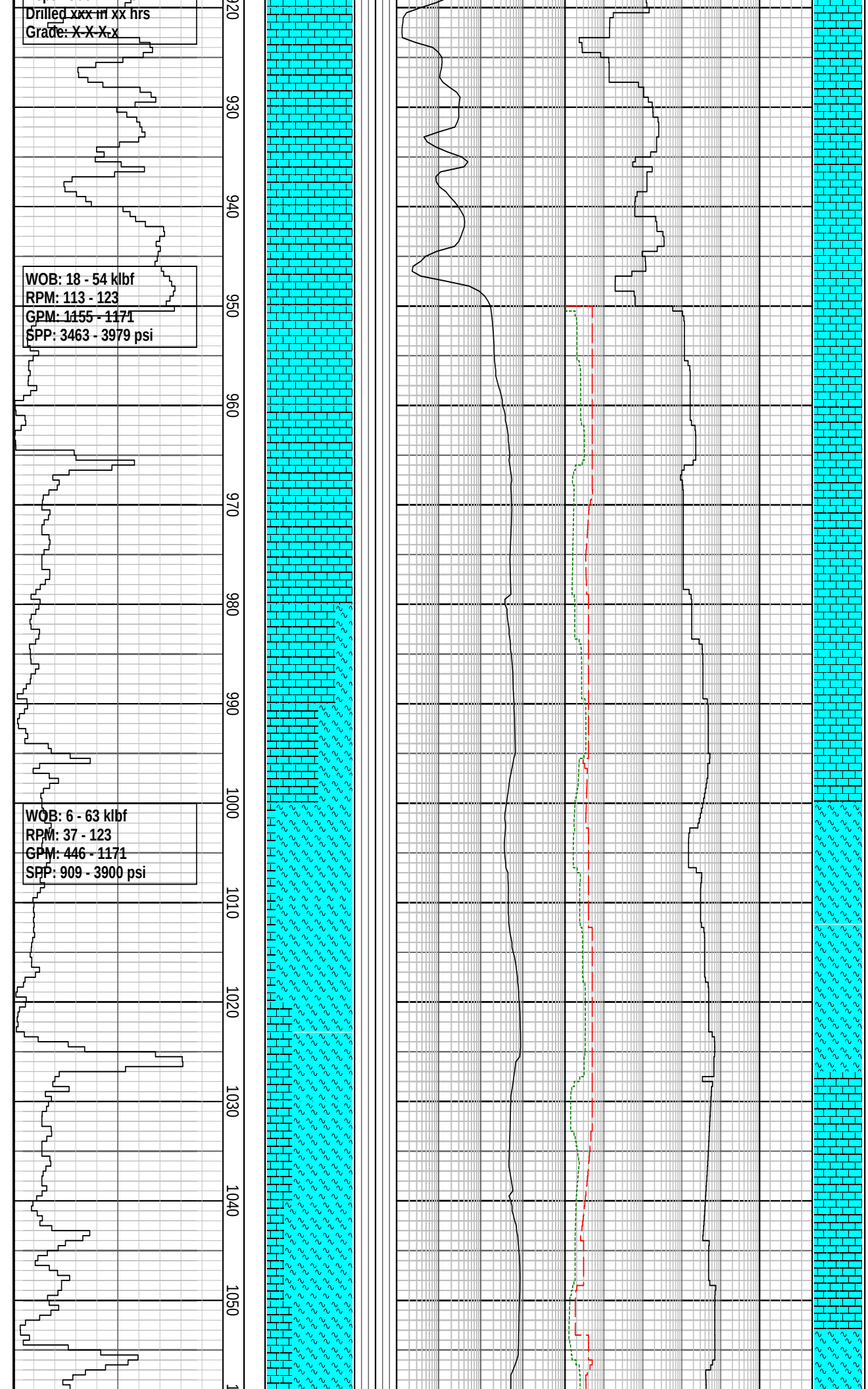

CALCARENITE : lt-m gy, pred m gy, lt bl gy , mnr m dk gy, com v fn-fn qtz grs, com foss frags, mod hd-hd, sbblky-blky.

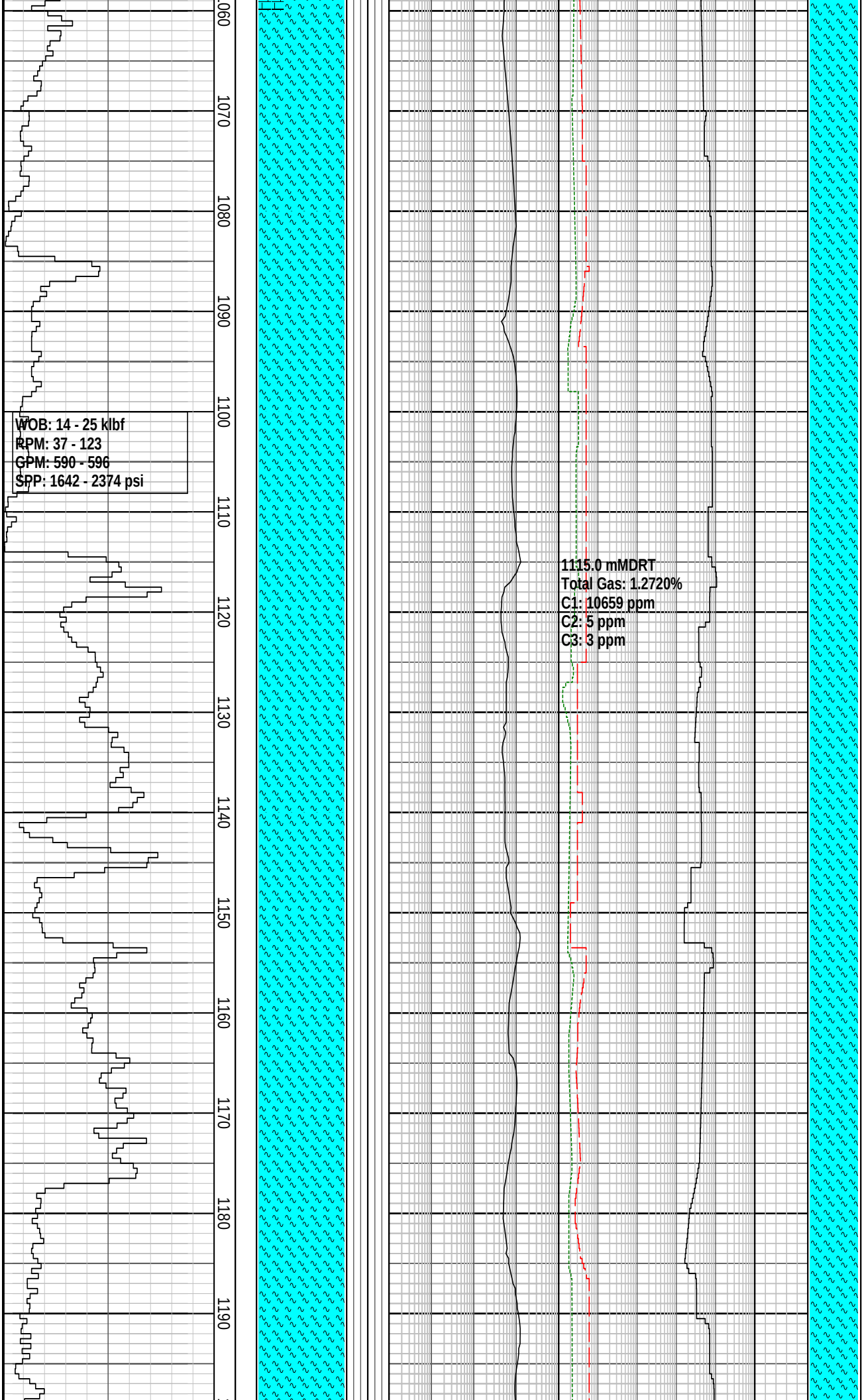
MW: 1.15 sg FV: 43
PV : 9 YP: 11
Gels: 4/9/- pH: 8.00

CALCARENITE : lt-m gy, pred m gy, lt bl gy , mnr m dk gy, com v fn-fn qtz grs, com foss frags, mod hd-hd, sbblky-blky.

CALCARENITE : lt-m gy, pred m gy, lt bl gy , mnr m dk gy, com v fn-fn qtz grs, com foss frags, mod hd-hd, sbblky-blky.

311 mm (12.25") Section TD @ 907.0 mMDRT on 13/03/2008

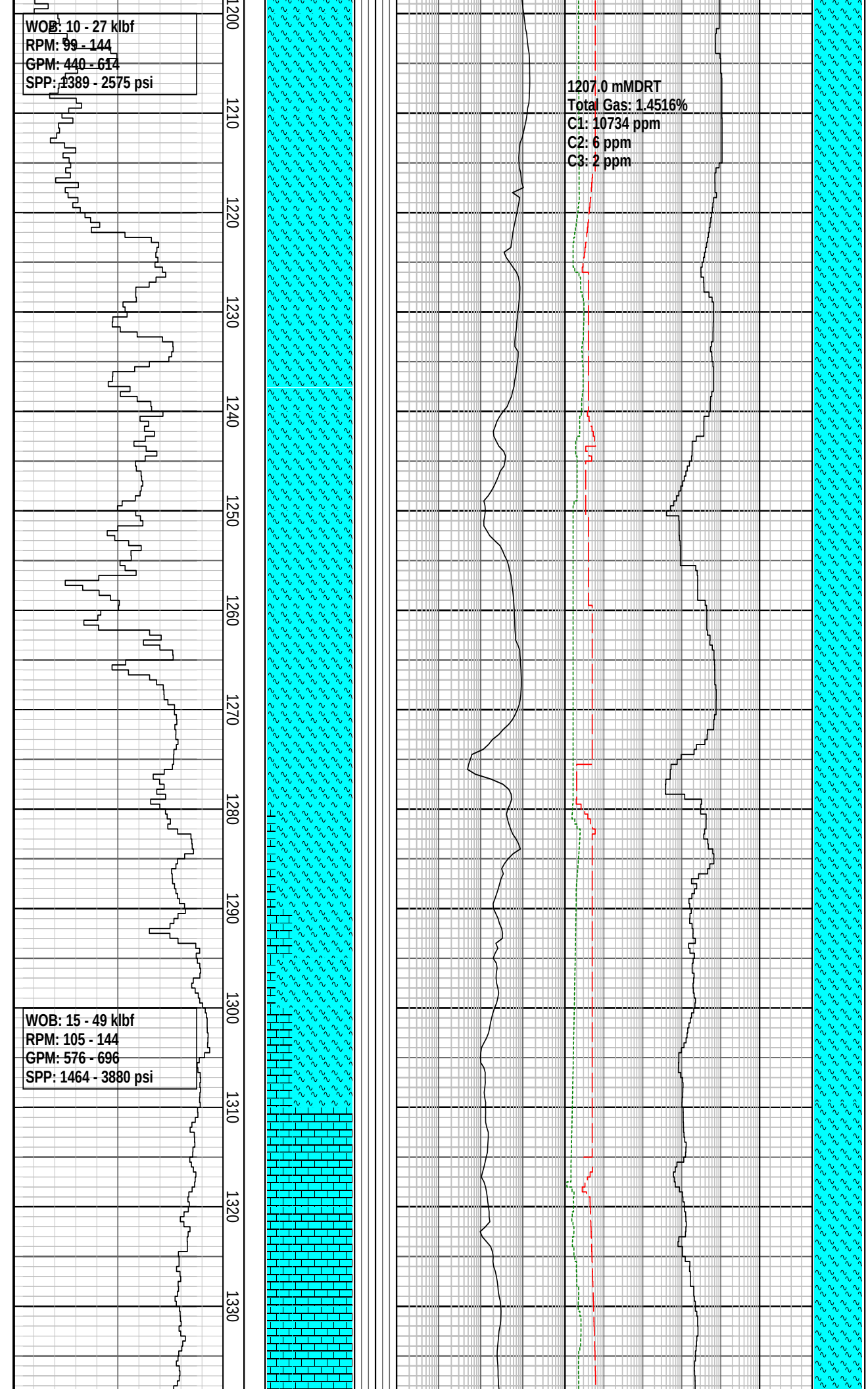

Drilled xxx m xx hrs
Grade: X-X-X-x
WOB: 18 - 54 klbf
RPM: 113 - 123
GPM: 1155 - 1171
SPP: 3463 - 3979 psi
WOB: 6 - 63 klbf
RPM: 37 - 123
GPM: 446 - 1171
SPP: 909 - 3900 psi
920
930
940
950
960
970
980
990
1000
1010
1020
1030
1040
1050
CALCARENITE : lt-m gy, pred m gy, lt bl gy , mnr m dk gy, com v fn-fn qtz grs, com foss frags, mod hd-hd, sbblky-blky.
MARL: lt gy-lt gnsh gy, lt brnsh gy-off wh, tr glauc grs, tr carb spks & micr lam, tr v fn qtz & calc grs, sft-disp,amor-sbblky
CALCARENITE : lt-m gy, pred m gy, lt bl gy , mnr m dk gy, com v fn-fn qtz grs, com foss frags, mod hd-hd, sbblky-blky.




MARL: lt gy-lt gnsh gy, lt brnsh gy-off wh, tr glauc grs, tr carb spks & micr lam, tr v fn qtz & calc grs, sft-disp,amor-sbblky

MARL: lt gy-lt gnsh gy, lt brnsh gy-off wh, tr glauc grs, tr carb spks & micr lam, tr v fn qtz & calc grs, sft-disp,amor-sbblky

MARL: lt gy-lt gnsh gy, lt brnsh gy-off wh, tr glauc grs, tr carb spks & micr lam, tr v fn qtz & calc grs, sft-disp,amor-sbblky

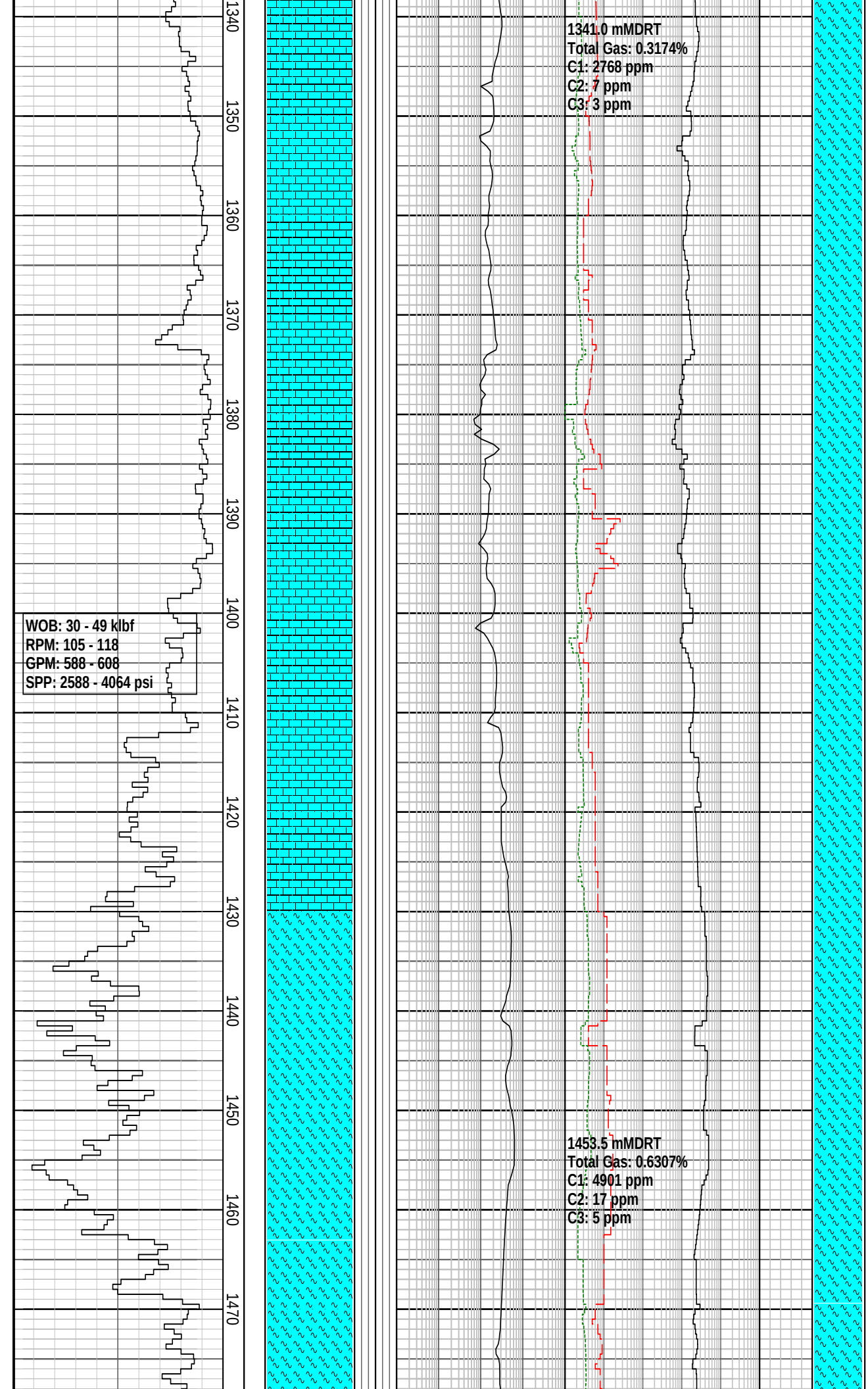



MARL: lt gy-lt gnsh gy, lt brnsh gy-off wh, tr glauc grs, tr carb spks & micr lam, tr v fn qtz & calc grs, sft-disp,amor-sbblky

MARL: lt gy-lt gnsh gy, lt brnsh gy-off wh, tr glauc grs, tr carb spks & micr lam, tr v fn qtz & calc grs, sft-disp,amor-sbblky

MARL: lt gy-lt gnsh gy, lt brnsh gy-off wh, tr glauc grs, tr carb spks & micr lam, tr v fn qtz & calc grs, sft-disp,amor-sbblky

MW: 1.14 sg FV: 58
PV : 17 YP: 25
Gels: 10/12/15 pH: 8.90

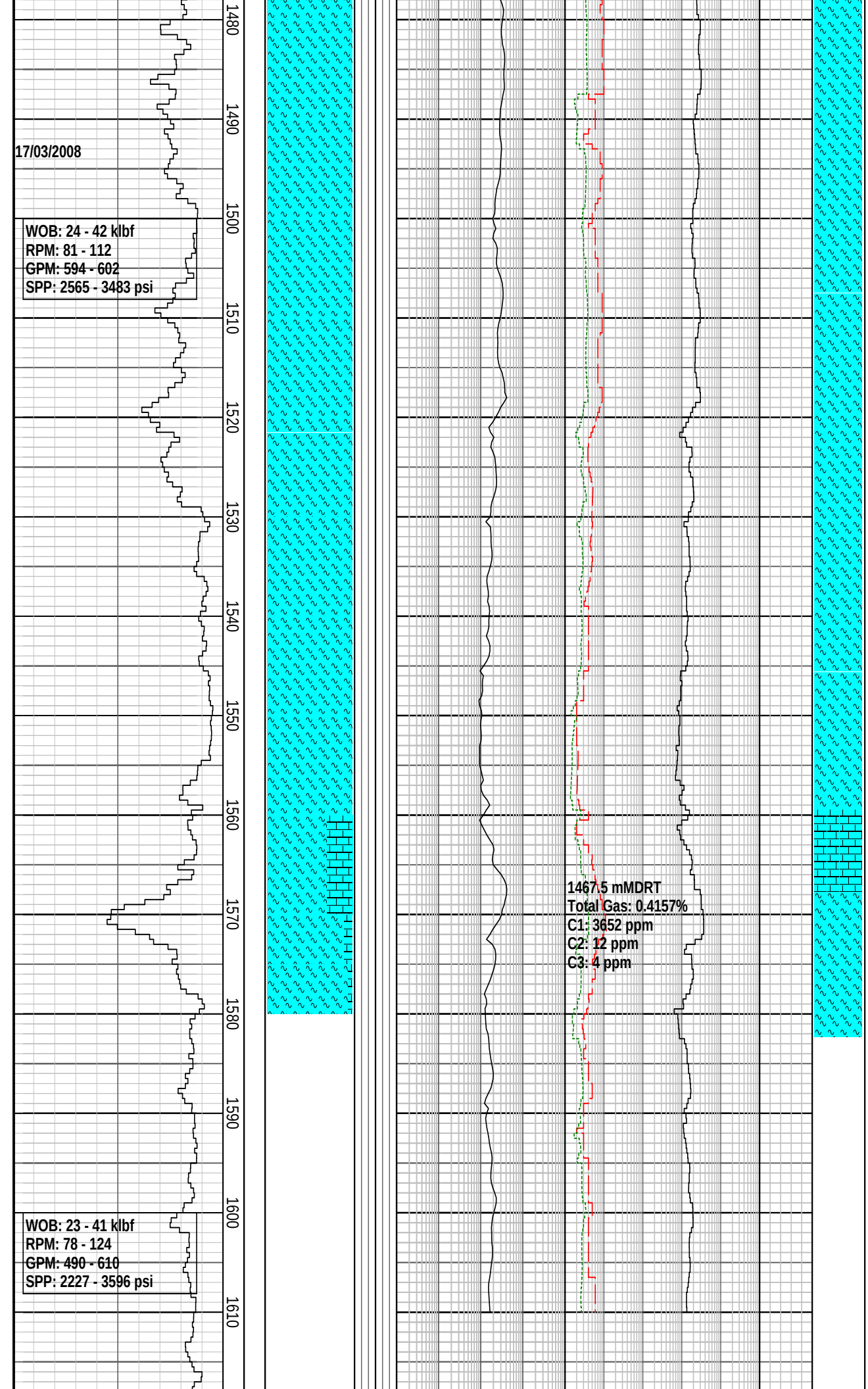



CALCILUTITE: pl gy, off wh-pl gy, lt-m brn gy,com carb spks, abd arg,mod hd-disp,sbblky

Carbide Run @ 1381mMDRT
Theo: 2070stks. Actual: 2380stks
Hole washout = 15.0%

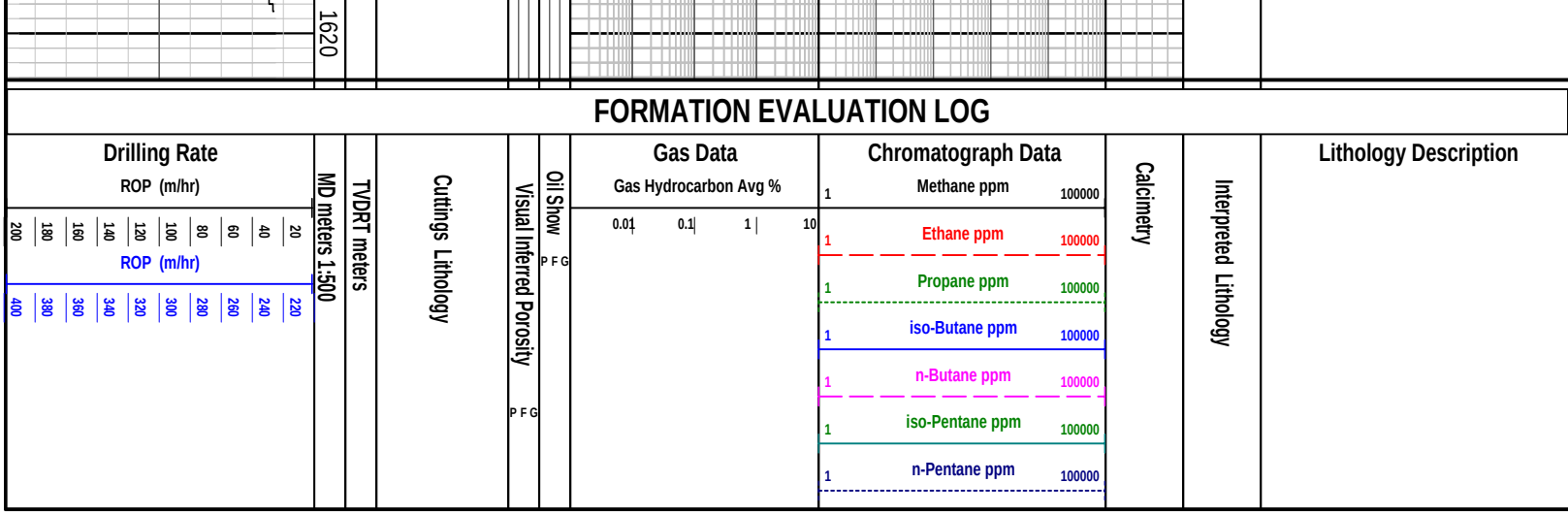
CALCARENITE : pl gy, off wh-pl gy, lt-m brn gy, com fn-crs rnd qtz grs, abd arg, com carb spks, mod hd, disp, sbblky

CALCILUTITE: pl-m gy, off wh-pl gy, lt-m brn gy,com carb lam & spks, abd arg, mnr sph qtz grs, mod hd-hd, disp i/p, sbblky




MARL: lt-m gy, m brnsh gy, off wh, abd arg mat, com carb lam & spks, occ lit, mnr fn-med sph qtz grs, loc slt lam & grd to CALCISILTITE, mod hd-hd, sbblky-blky, disp i/p

MARL: pl-med gy, lt brn gy, trnsl i/p, com fn-crs ang-sph qtz grs, com microfos, abd arg mat, mnr-loc com carb lam & spks, mnr nod pyr, frm-hd, sbblky


1620
FORMATION EVALUATION LOG
Drilling Rate
ROP (m/hr)
200 180 160 140 120 100 80 60 40 20
ROP (m/hr)
400 380 360 340 320 300 280 260 240 220
MD meters 1:500
TVDRT meters
Cuttings Lithology
Visual Inferred Porosity
P F G
Oil Show
P F G
Gas Data
Gas Hydrocarbon Avg %
0.01 0.1 1 10
Chromatograph Data
1 Methane ppm 100000
1 Ethane ppm 100000
1 Propane ppm 100000
1 iso-Butane ppm 100000
1 n-Butane ppm 100000
1 iso-Pentane ppm 100000
1 n-Pentane ppm 100000
Calcimetry
Interpreted Lithology
Lithology Description