



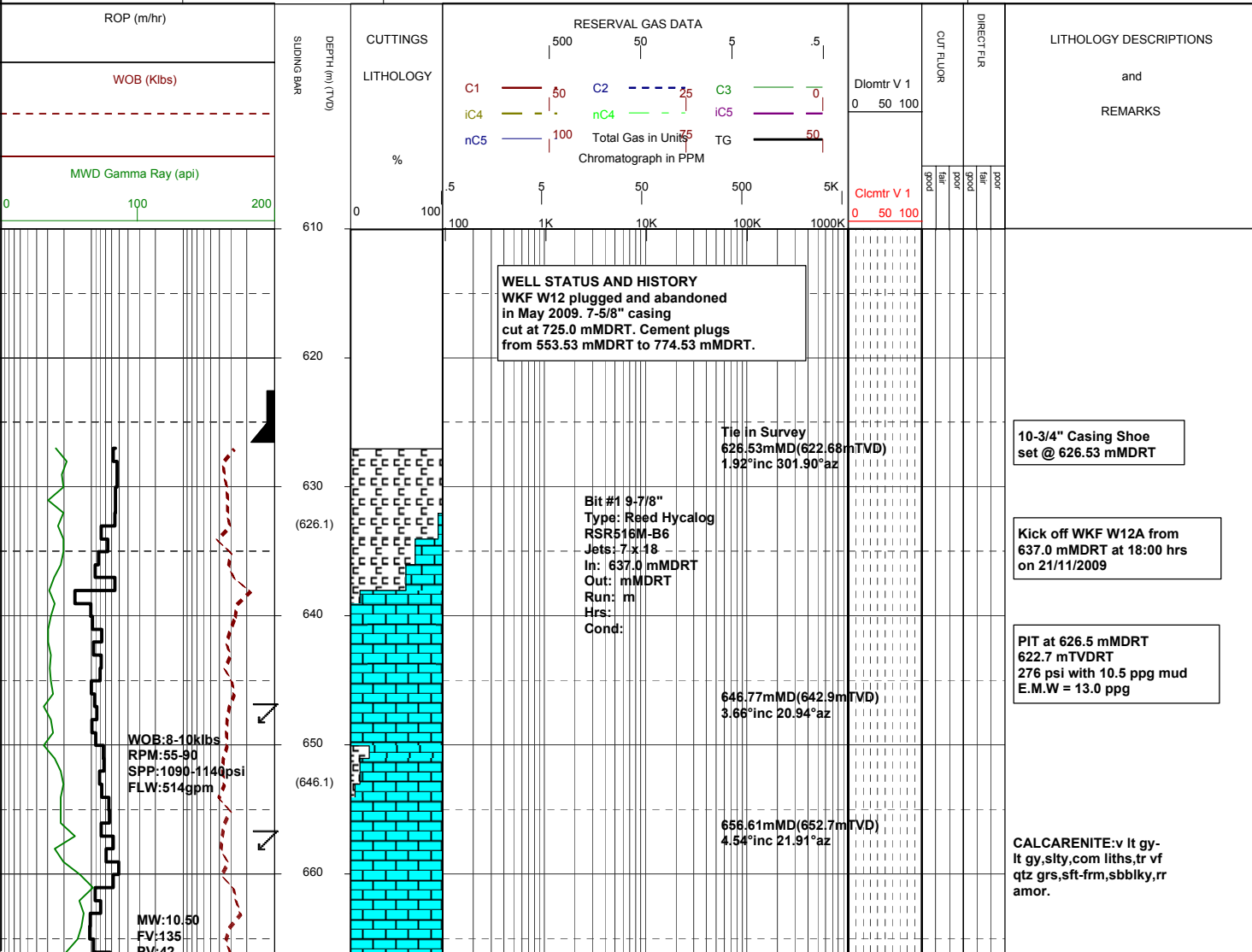
MASTERLOG

WKF W12A



GENERAL	SURFACE POSITION	HOLE / CASING INFO	DATE / DEPTH	ENGINEERS
Country : AUSTRALIA	Longitude : E 148 6 19.497	10-3/4" Surface Csg at 626.53 mMDRT	Kick off Date: 21/11/2009	Gareth Munro Phil Rady Dan Dennis Colin Chadwick Kepa O'Reilly Adam Sullivan
Permit : VIC / L7	Latitude : S 38 35 34.768			
Field : West Kingfish	MGA Co-ord X :596267.198 mE			
Basin : GIPPSLAND	MGA Co-ord Y : 5727808.731 mN			
Well Type :DEVELOPMENT	RT to MSL : 41.70 m			
Rig Name : Nabors 175	RT to Sea Bed : 118.70 m		Log Scale : 1/ 500	

ABBREVIATIONS		LITHOLOGY LEGEND				ENGINEERING LEGEND			
MW	Mud Weight	WOB	Weight on Bit (klbs)	Claystone	Marl	Bryozoa	Glauconite	Casing shoe	Sidewall core
FV	Funnel Viscosity	RPM	Rotations Per Min	Siltstone	Limestone	Radiolariae	Pyrite	Casing top	Core
PV	Plastic Viscosity	FLW	Flow Rate (gpm)	Sandstone	Dolomite	Echinoids		Survey	Mud gain
YP	Yield Point	SPP	Pump Pressure (psi)	Shale	Coal-lignite	Foraminiferae		MDT	Mud loss
O/W	Oil/Water Ratio	RR	Re-Run Bit	Conglomerate	Volcanics	Cement		Sliding bar	
WPS	Aq. Phase Salinity	TG	Trip Gas						
HPHT	Fluid Loss	CG	Connection Gas						
CI	Chlorides	BG	Background Gas						
Incl	Inclination	DGP	Drilled Gas Peak						
Az	Azimuth	MM	Mud Motor						



YP:28
O/W:68.6/31.4
HTHP:-.2
WPS:269.591
CI:58,100

Drill with NAF Accolade Mud System

670
(666)
680
690
(685.9)
700
710
(705.6)
720
730
(725.4)
740
750
(745.1)
760
770
(764.8)
780
790
(784.5)
800

100 / Tr
685.69mMD(681.6mTVD)
8.32°inc 21.36°az
714.73mMD(710.3mTVD)
9.36°inc 21.01°az
100 / Tr
744.08mMD(739.3mTVD)
9.71°inc 21.85°az
773.27mMD(768.1mTVD)
9.44°inc 16.24°az
100 / Tr

CALCARENITE:v lt gy-
lt gy,olv gy,silty,tr liths,
tr vf qtz grs,tr vf glauc grs,
tr foss,frm-rr mod hd,
sbbkly.

GZG gas probe
removed due to mud
trough blockage

CALCARENITE:v lt gy-
lt gy,olv gy,silty,tr liths,
tr vf qtz grs,tr vf glauc grs,
tr foss,frm-rr mod hd,
sbbkly.

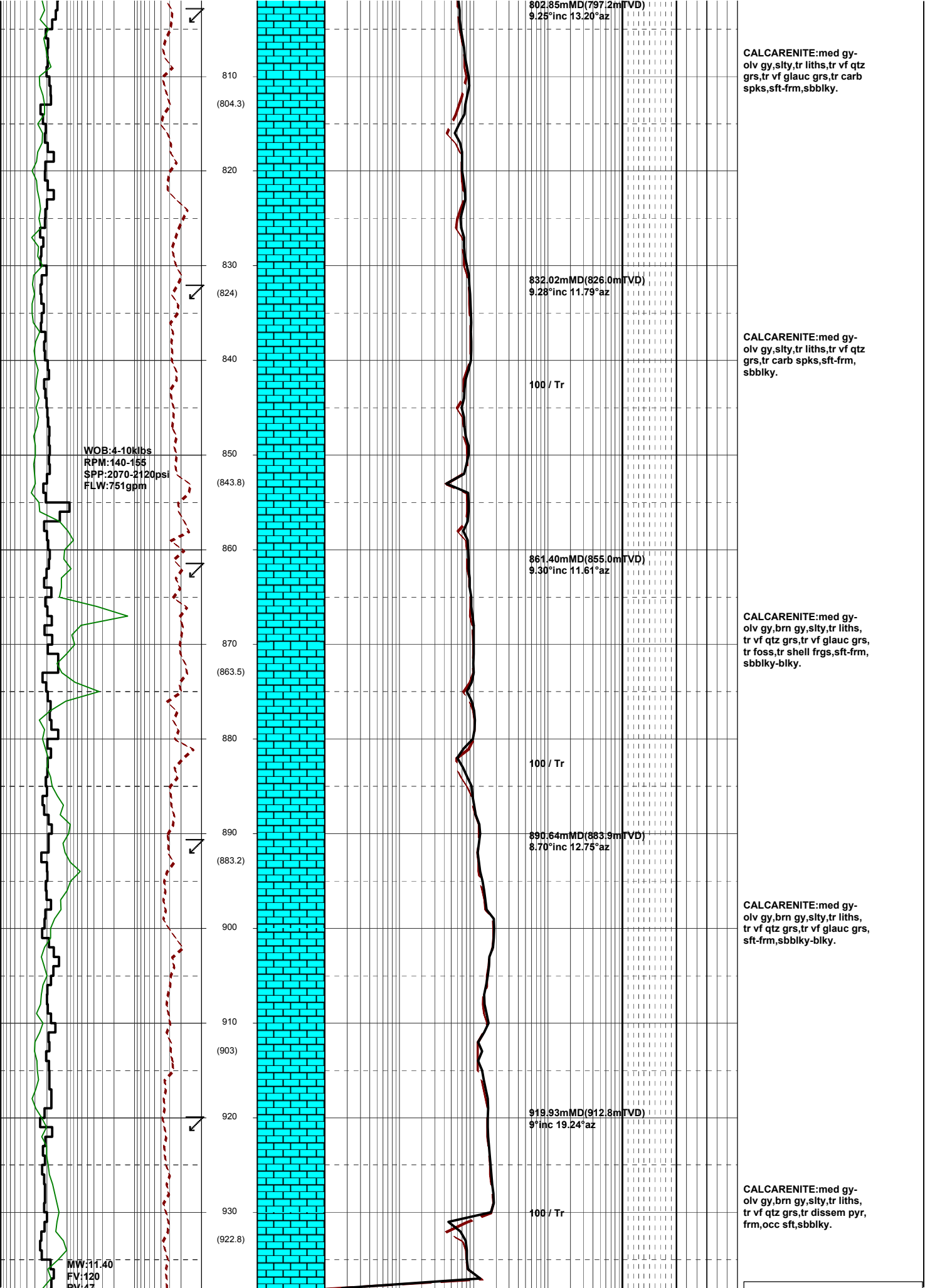
CALCARENITE:v lt gy-
lt gy,olv gy,silty,tr liths,
tr vf qtz grs,tr vf glauc grs,
tr carb spks,tr foss,frm-
rr mod hd,sbbkly.

CALCARENITE:med gy-
olv gy,silty,tr liths,tr vf qtz
grs,tr vf glauc grs,tr carb
spks,sft-frm,sbbkly.

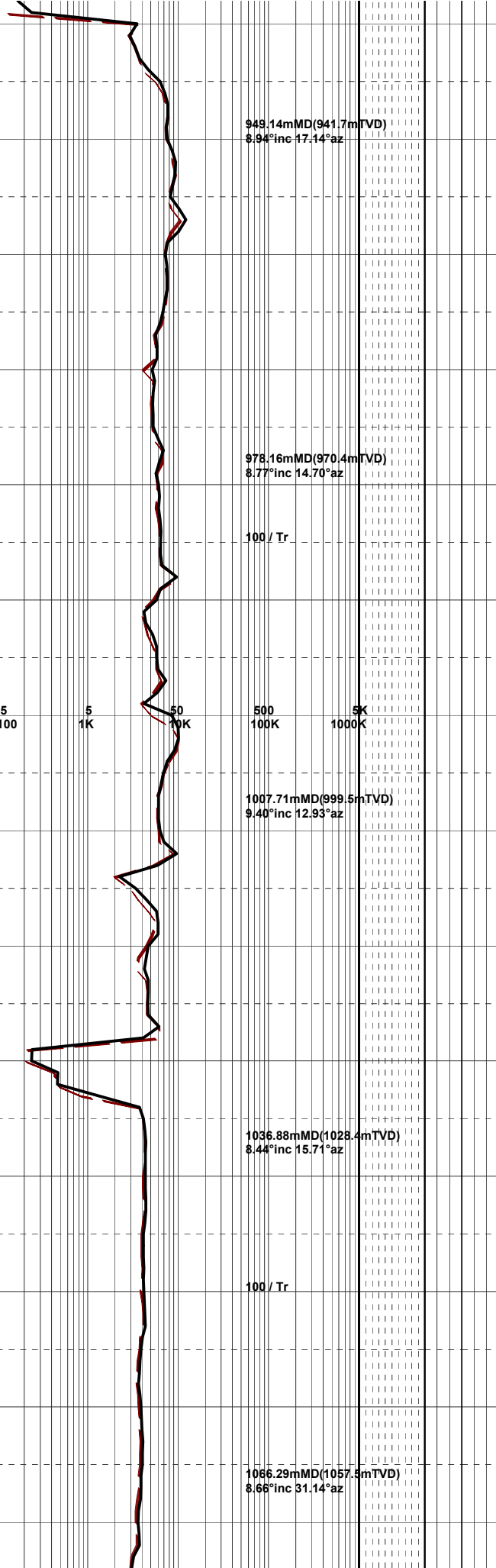
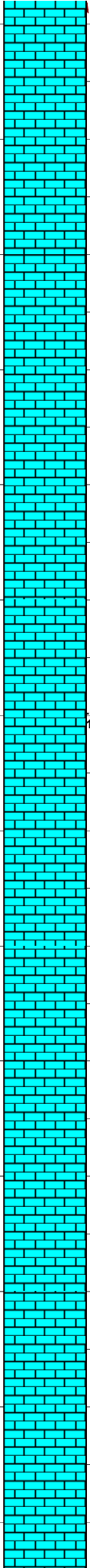
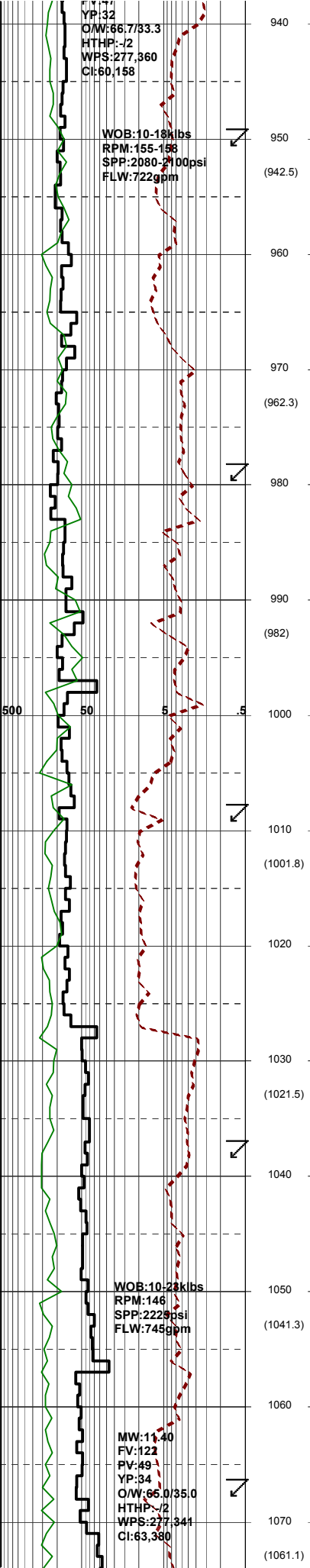
WOB:7-11klbs
RPM:90-120
\$PP:1960-2020psk
FLW:758gpm

22-11-05

500 50 5 .5 100 1K 10K 500 5K 1000K



Stop pumping @ 939.0 mMDRT
due to flow line blockage



CALCARENITE:lt gy-med gy,olv gy,silty,tr liths, tr vf qtz grs,tr vf calc grs, tr carb spks,frm,sbbilky-blky.

948.14mMD(941.7mTVD)
8.94°inc 17.14°az

978.16mMD(970.4mTVD)
8.77°inc 14.70°az

100 / Tr

CALCISILTITE(60%):lt olv gy-olv gy,tr liths, tr carb spks,frm,sbbilky.

CALCARENITE(40%):lt gy-med gy,olv gy,silty,tr liths, tr vf qtz grs,tr vf calc grs, tr carb spks,frm,sbbilky-blky.

1007.71mMD(999.5mTVD)
9.40°inc 12.93°az

CALCISILTITE(40%):lt olv gy-olv gy,tr liths, tr carb spks, frm,sbbilky.

CALCARENITE(60%):lt gy-med gy,olv gy,silty,tr liths, tr vf qtz grs,tr vf calc grs, tr carb spks,frm,sbbilky-blky.

Flow trough being cleaned @ 1029mMDRT
GZG probe out of mud

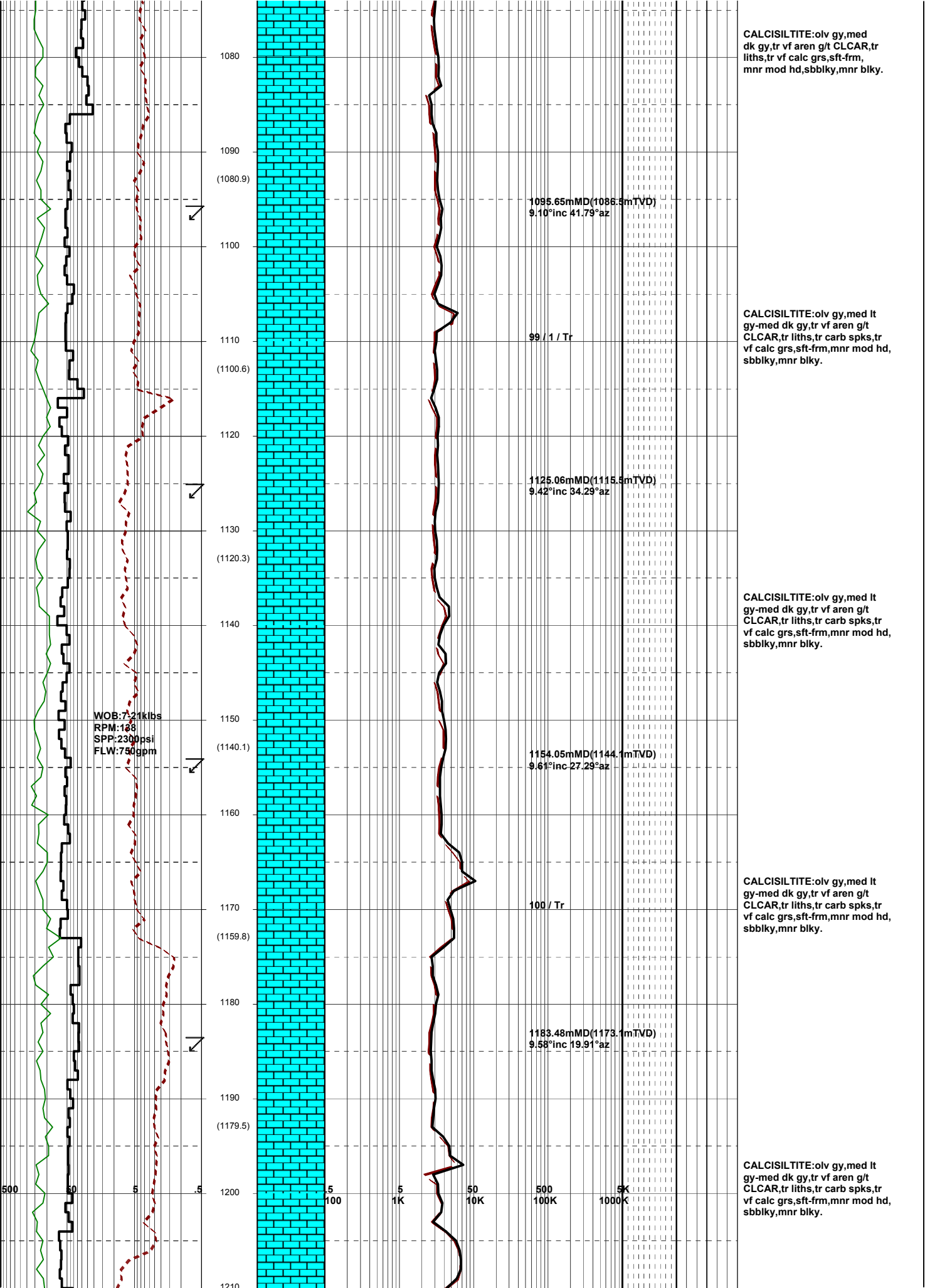
1036.88mMD(1028.4mTVD)
8.44°inc 15.71°az

100 / Tr

CALCISILTITE(90%):olv gy,med gy,mnr aren g/t CLCAR,mnr liths,tr carb spks,frm,sbbilky.

CALCARENITE(10%):lt gy-med gy,olv gy,silty,tr liths, tr vf qtz grs,tr vf calc grs, tr carb spks,frm,sbbilky-blky.

1066.29mMD(1057.5mTVD)
8.66°inc 31.14°az



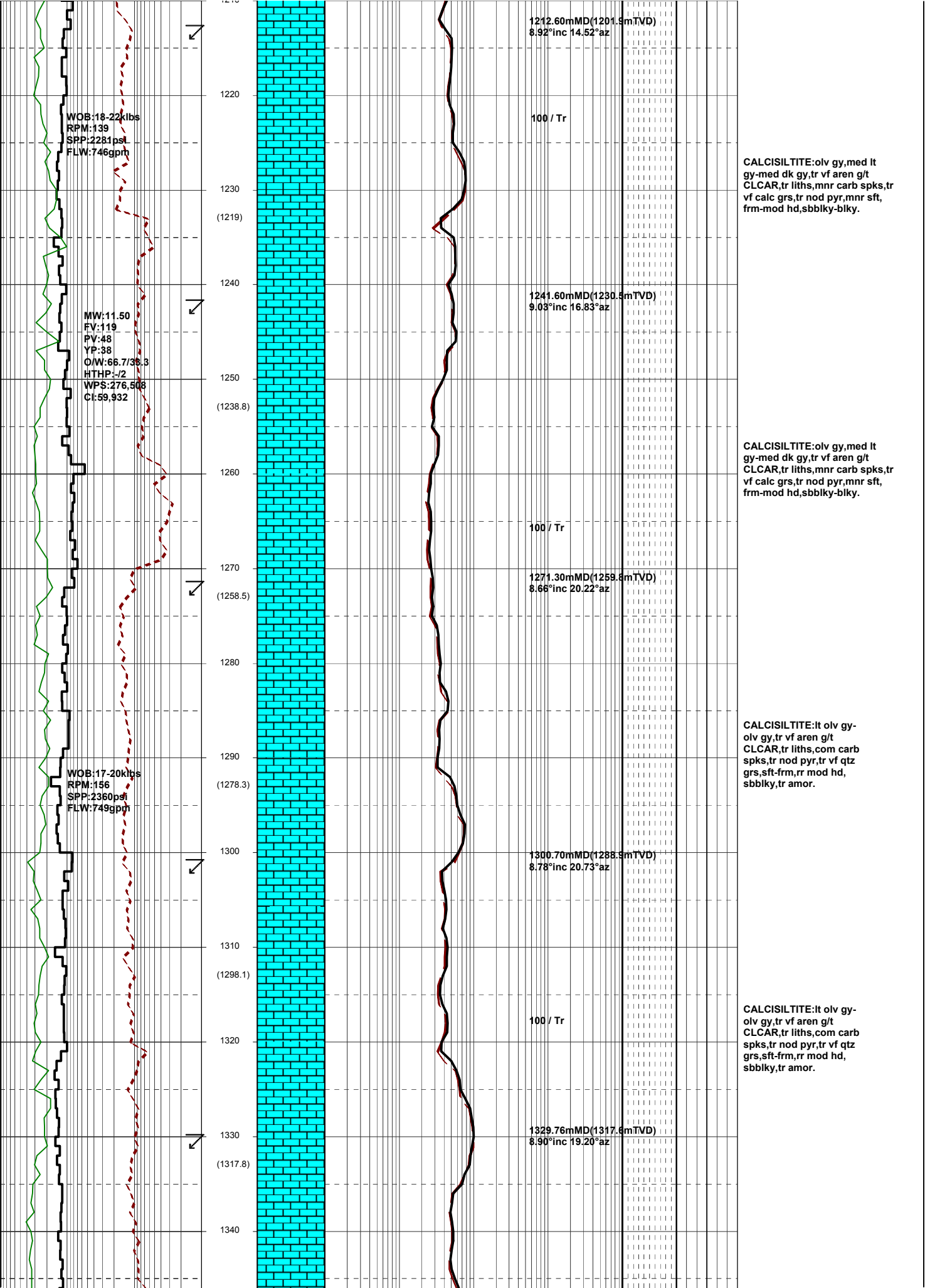
CALCISILTITE:olv gy,med dk gy,tr vf aren g/t CLCAR,tr liths,tr vf calc grs,sft frm,mnr mod hd,sbbkly,mnr blkly.

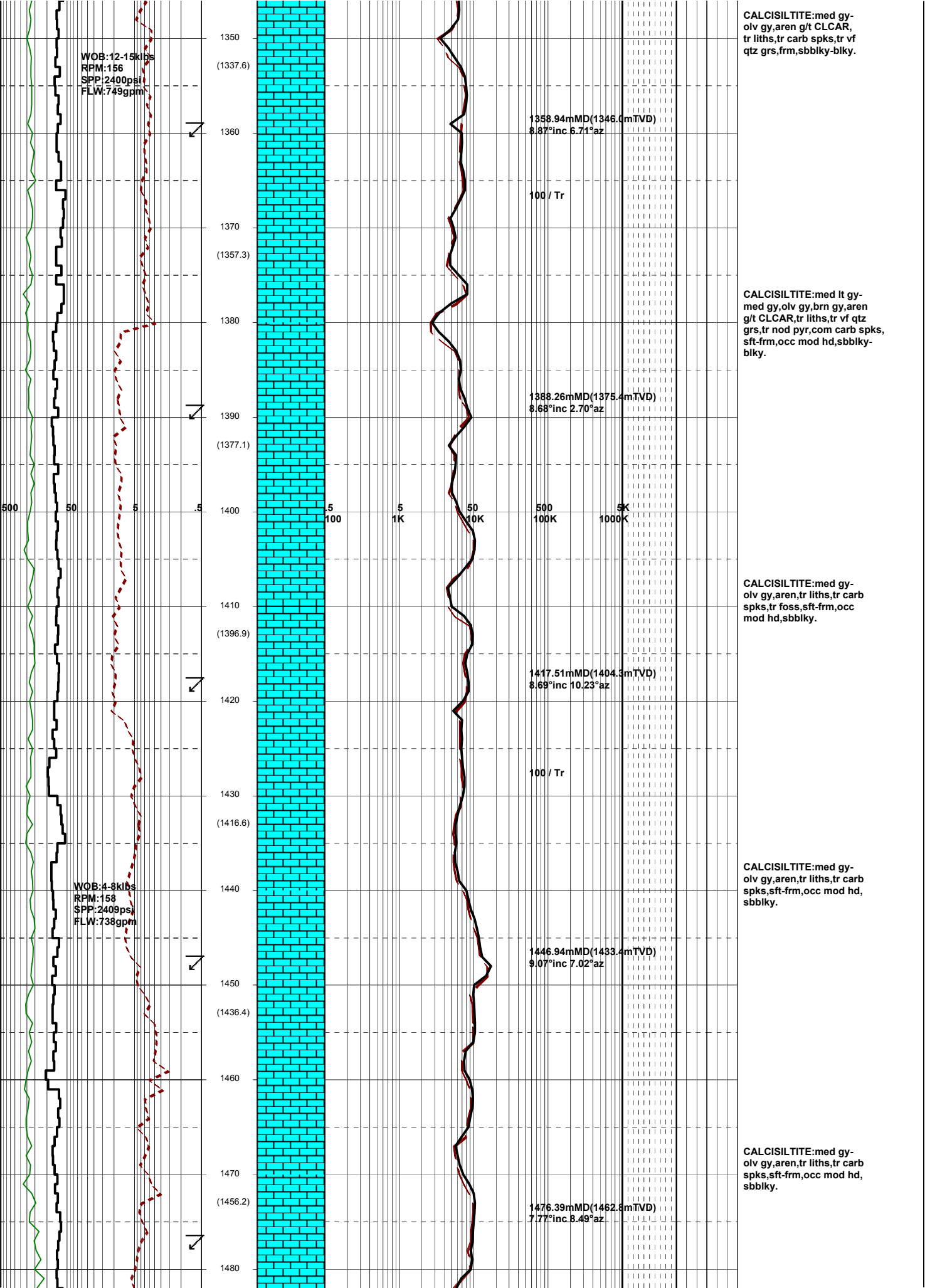
CALCISILTITE:olv gy,med It gy-med dk gy,tr vf aren g/t CLCAR,tr liths,tr carb spks,tr vf calc grs,sft frm,mnr mod hd,sbbkly,mnr blkly.

CALCISILTITE:olv gy,med It gy-med dk gy,tr vf aren g/t CLCAR,tr liths,tr carb spks,tr vf calc grs,sft frm,mnr mod hd,sbbkly,mnr blkly.

CALCISILTITE:olv gy,med It gy-med dk gy,tr vf aren g/t CLCAR,tr liths,tr carb spks,tr vf calc grs,sft frm,mnr mod hd,sbbkly,mnr blkly.

CALCISILTITE:olv gy,med It gy-med dk gy,tr vf aren g/t CLCAR,tr liths,tr carb spks,tr vf calc grs,sft frm,mnr mod hd,sbbkly,mnr blkly.





CALCISILTITE:med gy-
 olv gy,aren g/t CLCAR,
 tr liths,tr carb spks,tr vf
 qtz grs,frm,sbblky-blky.

CALCISILTITE:med lt gy-
 med gy,olv gy,brn gy,aren
 g/t CLCAR,tr liths,tr vf qtz
 grs,tr nod pyr,com carb spks,
 sft-frm,occ mod hd,sbblky-
 blky.

CALCISILTITE:med gy-
 olv gy,aren,tr liths,tr carb
 spks,tr foss,sft-frm,occ
 mod hd,sbblky.

CALCISILTITE:med gy-
 olv gy,aren,tr liths,tr carb
 spks,sft-frm,occ mod hd,
 sbblky.

CALCISILTITE:med gy-
 olv gy,aren,tr liths,tr carb
 spks,sft-frm,occ mod hd,
 sbblky.

WOB:12-15kibs
 RPM:156
 SPP:2400psi
 FLW:749gpm

WOB:4-8kibs
 RPM:158
 SPP:2409psi
 FLW:738gpm

1350
 (1337.6)
 1360
 1370
 (1357.3)
 1380
 1390
 (1377.1)
 1400
 1410
 (1396.9)
 1420
 1430
 (1416.6)
 1440
 1450
 (1436.4)
 1460
 1470
 (1456.2)
 1480

1358.94mMD(1346.0mTVD)
 8.87°inc 6.71°az

1388.26mMD(1375.4mTVD)
 8.68°inc 2.70°az

1417.51mMD(1404.3mTVD)
 8.69°inc 10.23°az

1446.94mMD(1433.4mTVD)
 9.07°inc 7.02°az

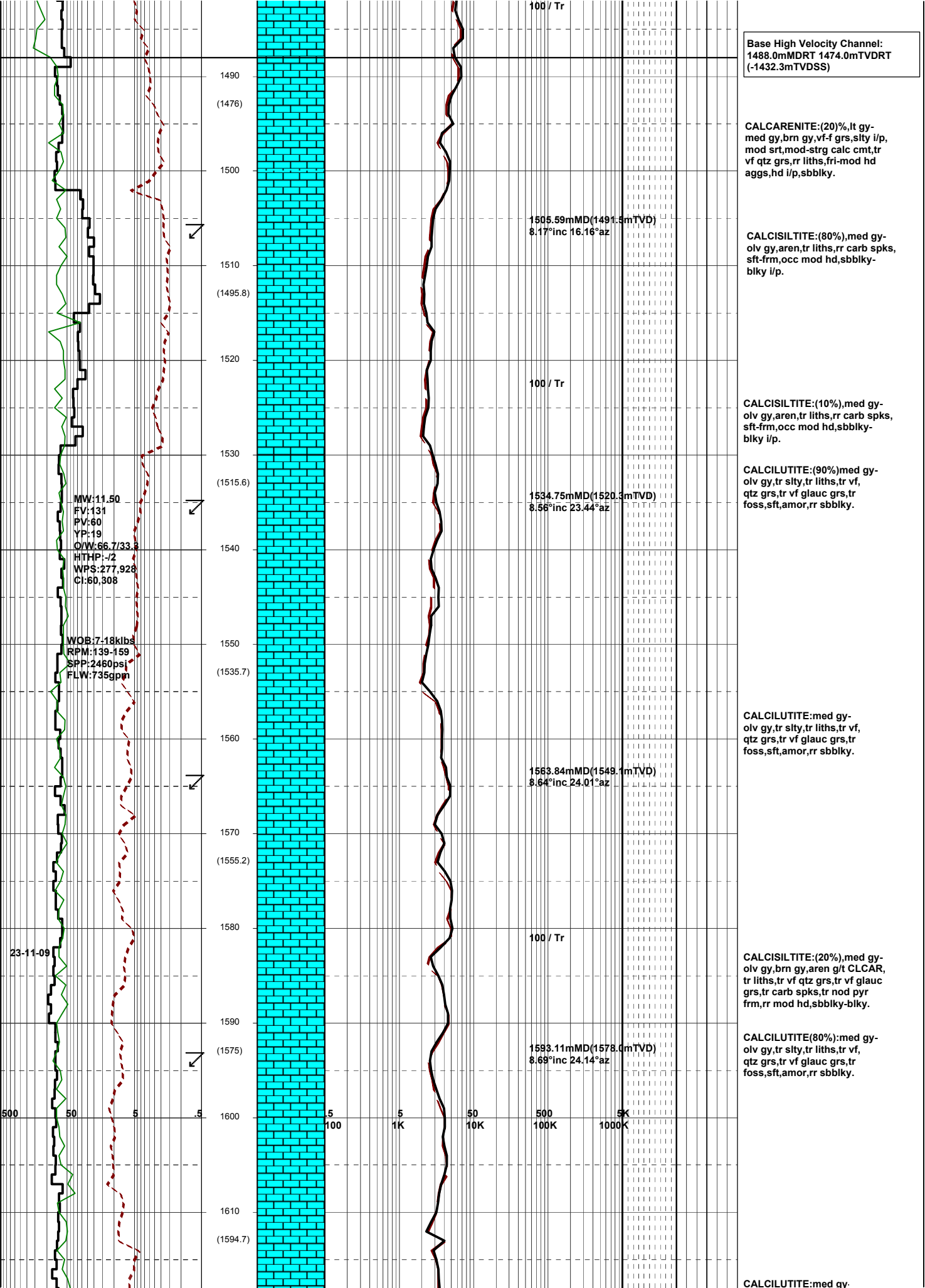
1476.39mMD(1462.8mTVD)
 7.77°inc 8.49°az

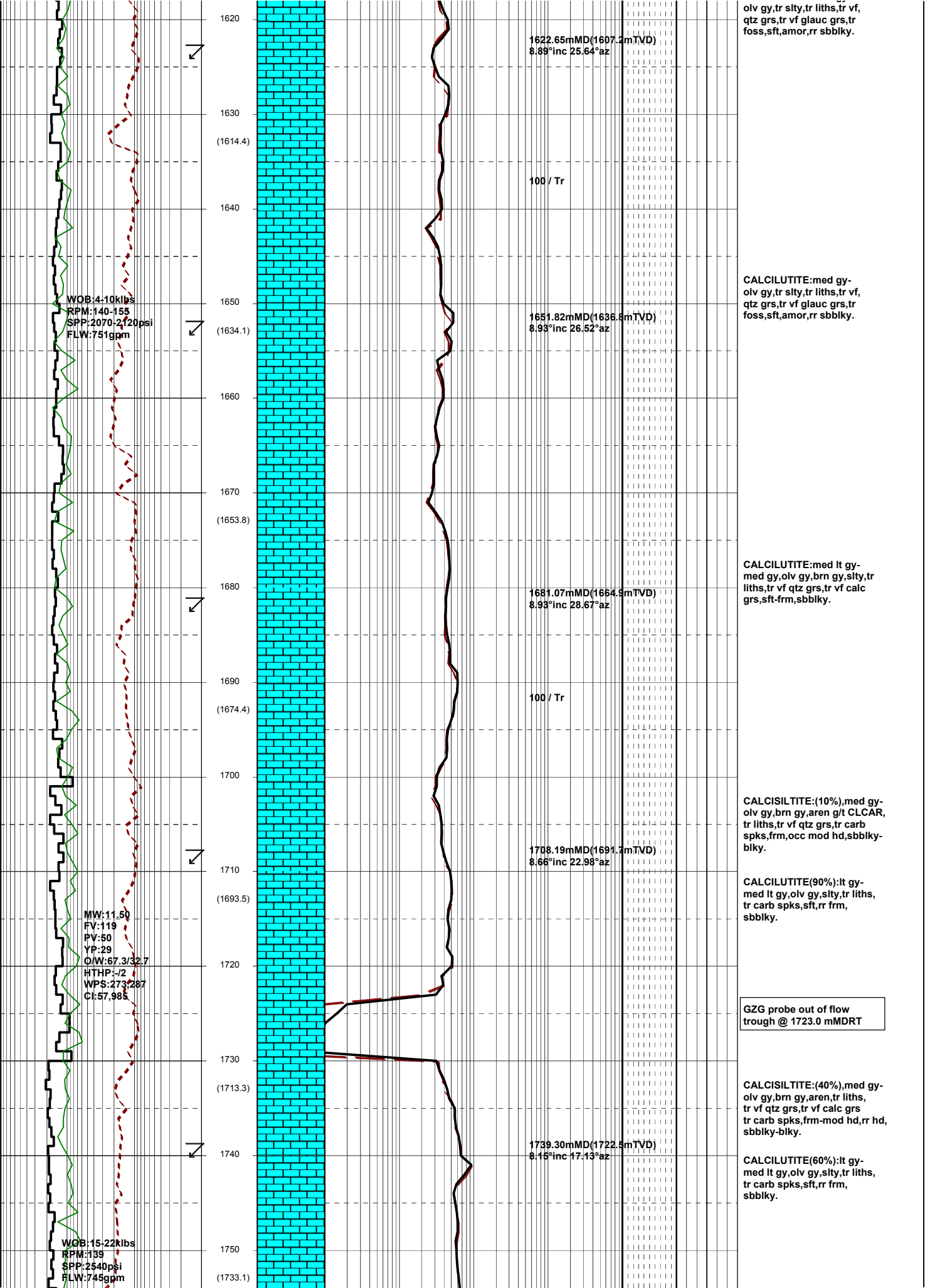
100 / Tr

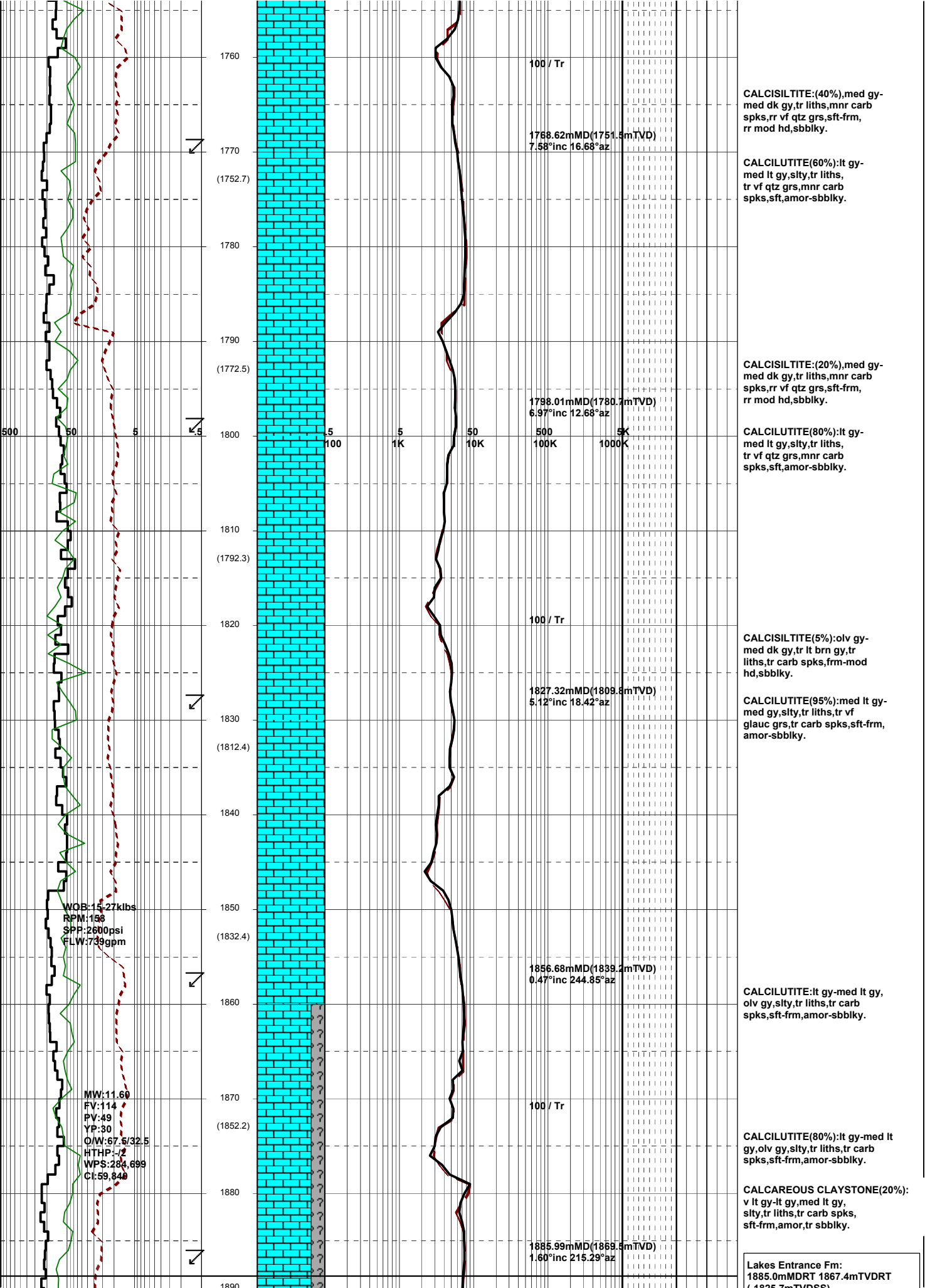
100 / Tr

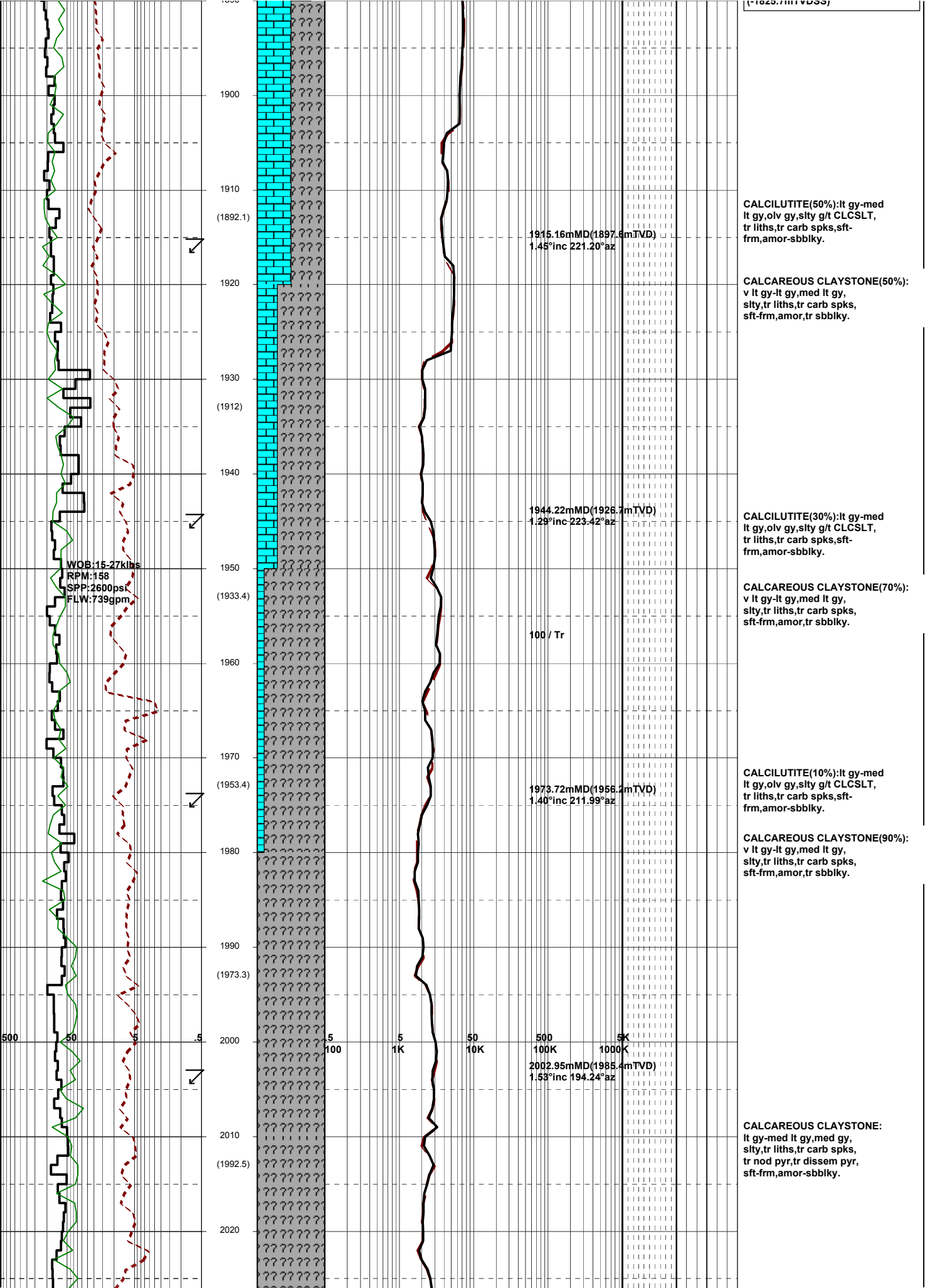
500 50 5 .5

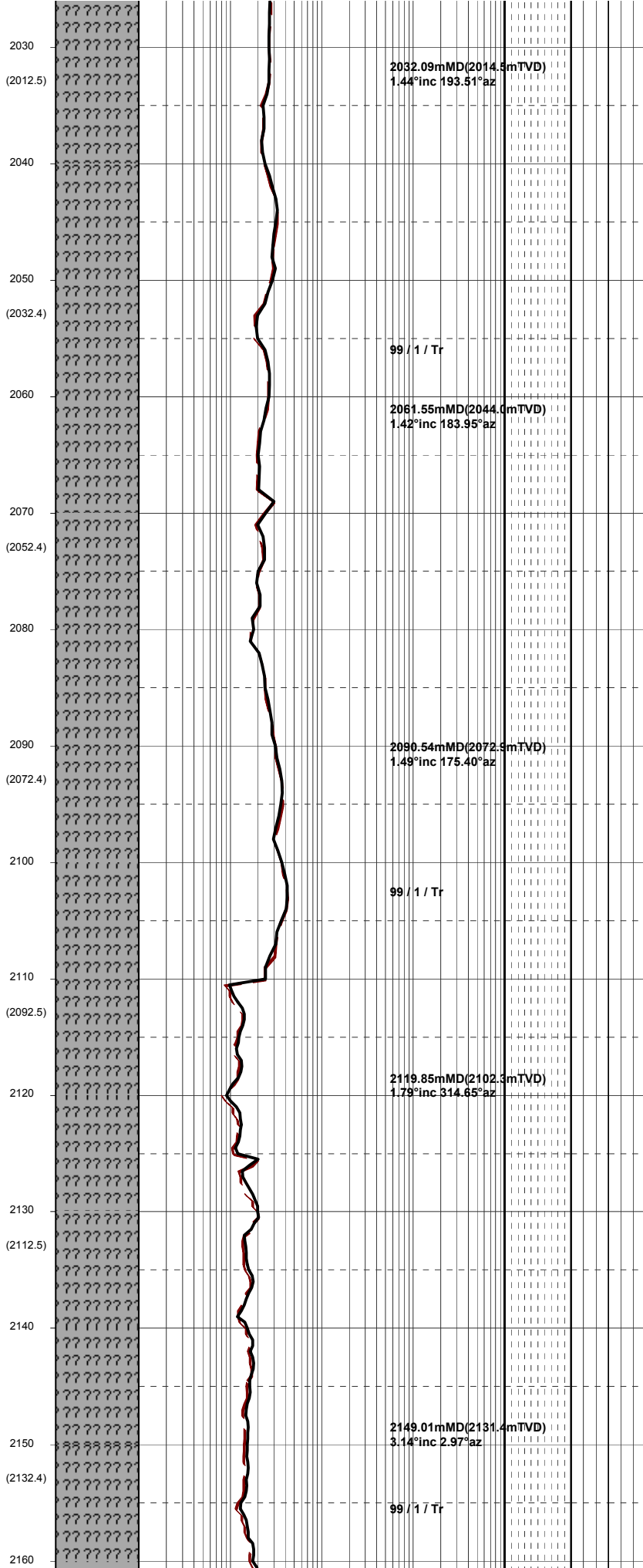
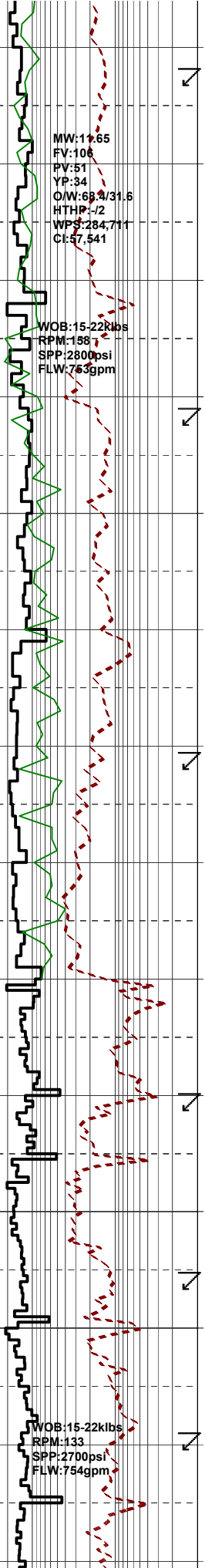
.5 100 5 1K 50 10K 500 100K 5K 1000K











2032.09mMD(2014.5mTVD)
1.44°inc 193.51°az

99 / 1 / Tr

2061.55mMD(2044.0mTVD)
1.42°inc 183.95°az

2090.54mMD(2072.5mTVD)
1.49°inc 175.40°az

99 / 1 / Tr

2119.85mMD(2102.3mTVD)
1.79°inc 314.65°az

2149.01mMD(2131.4mTVD)
3.14°inc 2.97°az

99 / 1 / Tr

CALCAREOUS CLAYSTONE:
lt gy-med lt gy,med gy,
silty,tr liths,tr carb
spks,tr nod pyr,sft-frn,
mnr mod hd,amor-sbblyk.

CALCAREOUS CLAYSTONE:
lt gy-med lt gy,med gy,
silty,tr liths,tr carb spks,
tr nod pyr,tr dissem pyr,
sft-frn,mnr mod hd,amor-
sbblyk.

CALCAREOUS CLAYSTONE:
lt gy-lt olv gy,yel gy,
mod calc,tr liths,tr carb
spks,tr dissem pyr,sft-v
sft,disp,amor.

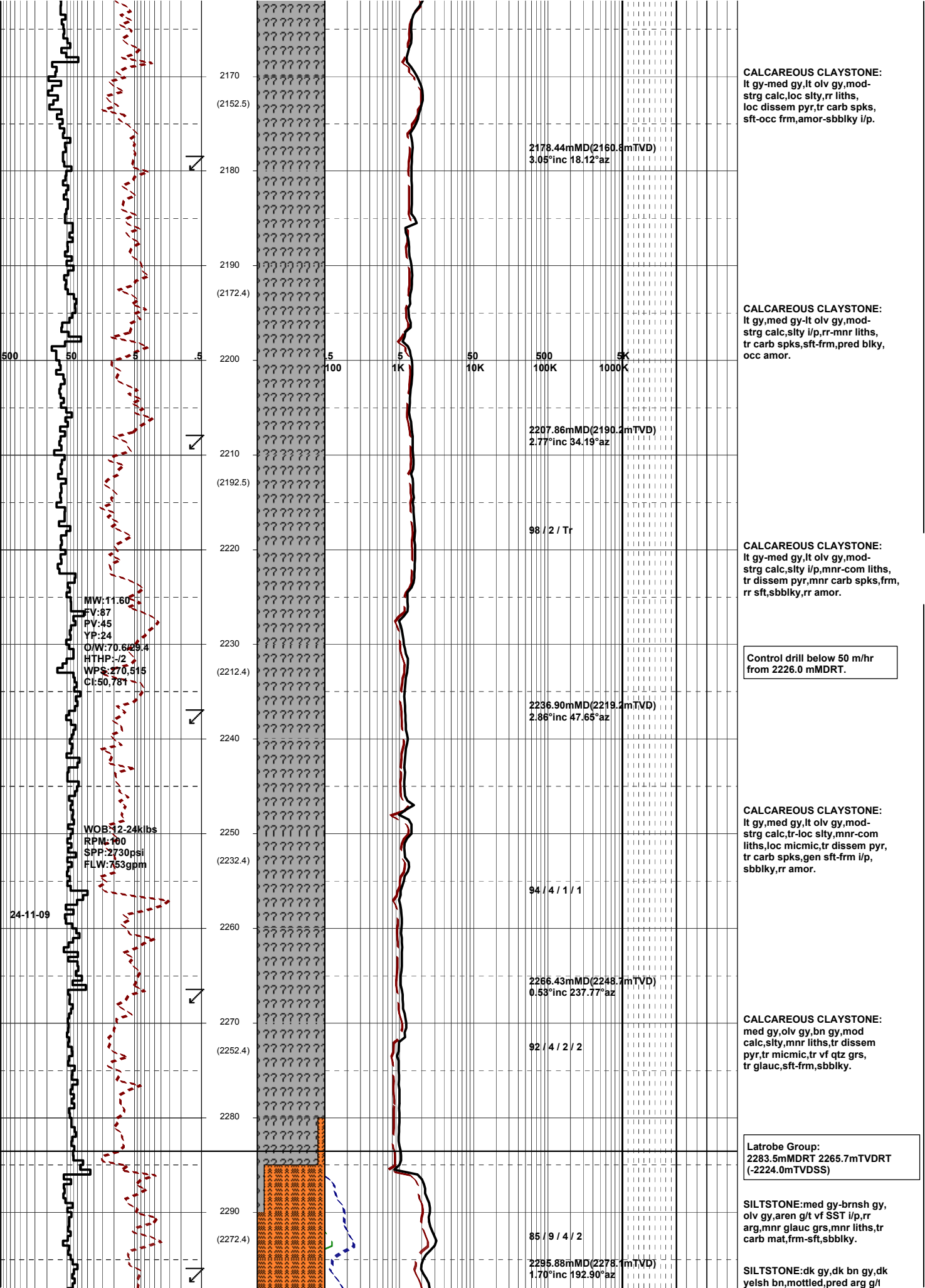
Ciculate @ 2109.0 mMDRT due
repairs on Scomi's dryer.

Change to 0.5m database
@ 2109.0 mMDRT.

CALCAREOUS CLAYSTONE:
lt gy-med gy,lt olv gy,mod
calc,silty i/p,tr liths,sft-
rr frn,amor-rr sbblyk.

Adding Barcarb

CALCAREOUS CLAYSTONE:
lt gy-med gy,lt olv gy,mod
calc,silty i/p,tr liths,rr
dissem pyr,sft-frn,sbblyk-
amor.



CALCAREOUS CLAYSTONE:
 lt gy-med gy,lt olv gy,mod-
 strg calc,loc stly,rr liths,
 loc disse pyr,tr carb spks,
 sft-occ frm,amor-sbbiky i/p.

2178.44mMD(2160.8mTVD)
 3.05°inc 18.12°az

CALCAREOUS CLAYSTONE:
 lt gy,med gy-lt olv gy,mod-
 strg calc,slty i/p,rr-mnr liths,
 tr carb spks,sft-frm,pred blk,
 occ amor.

2207.86mMD(2190.2mTVD)
 2.77°inc 34.19°az

98 / 2 / Tr

CALCAREOUS CLAYSTONE:
 lt gy-med gy,lt olv gy,mod-
 strg calc,slty i/p,mnr-com liths,
 rr sft,sbbiky,rr amor.

Control drill below 50 m/hr
 from 2226.0 mMDRT.

2236.90mMD(2219.2mTVD)
 2.86°inc 47.65°az

CALCAREOUS CLAYSTONE:
 lt gy,med gy,lt olv gy,mod-
 strg calc,tr-loc stly,mnr-com
 liths,loc micmic,tr disse pyr,
 tr carb spks,gen sft-frm i/p,
 sbbiky,rr amor.

94 / 4 / 1 / 1

2266.43mMD(2248.7mTVD)
 0.53°inc 237.77°az

CALCAREOUS CLAYSTONE:
 med gy,olv gy,bn gy,mod
 calc,slty,mnr liths,tr disse
 pyr,tr micmic,tr vf qtz grs,
 tr glauc,sft-frm,sbbiky.

92 / 4 / 2 / 2

Latrobe Group:
 2283.5mMDRT 2266.7mTVDRT
 (-2224.0mTVDSS)

SILTSTONE:med gy-brnsh gy,
 olv gy,aren g/t vf SST i/p,rr
 arg,mnr glauc grs,mnr liths,tr
 carb mat,frm-sft,sbbiky.

85 / 9 / 4 / 2

2295.88mMD(2278.1mTVD)
 1.70°inc 192.90°az

SILTSTONE:dk gy,dk bn gy,
 dk yelsh bn,mottled,pred arg g/l

MW:11.60
 FV:87
 PV:45
 YP:24
 O/W:70.629.4
 HTHP:-/2
 WPS:270.515
 CI:50.781

WOB:12-24kibs
 RPM:100
 SPP:2730psi
 FLW:753gpm

24-11-09

