



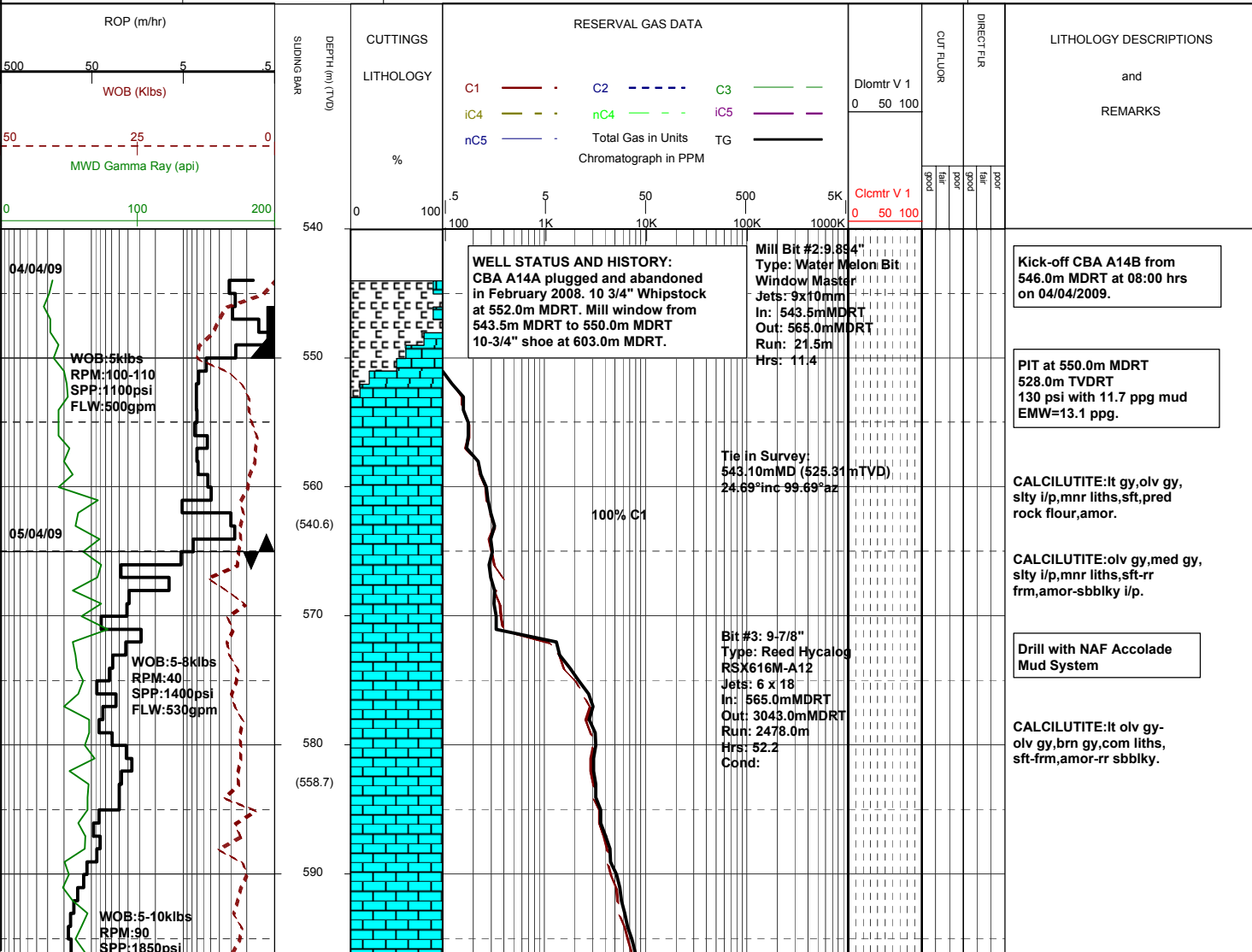
MASTERLOG

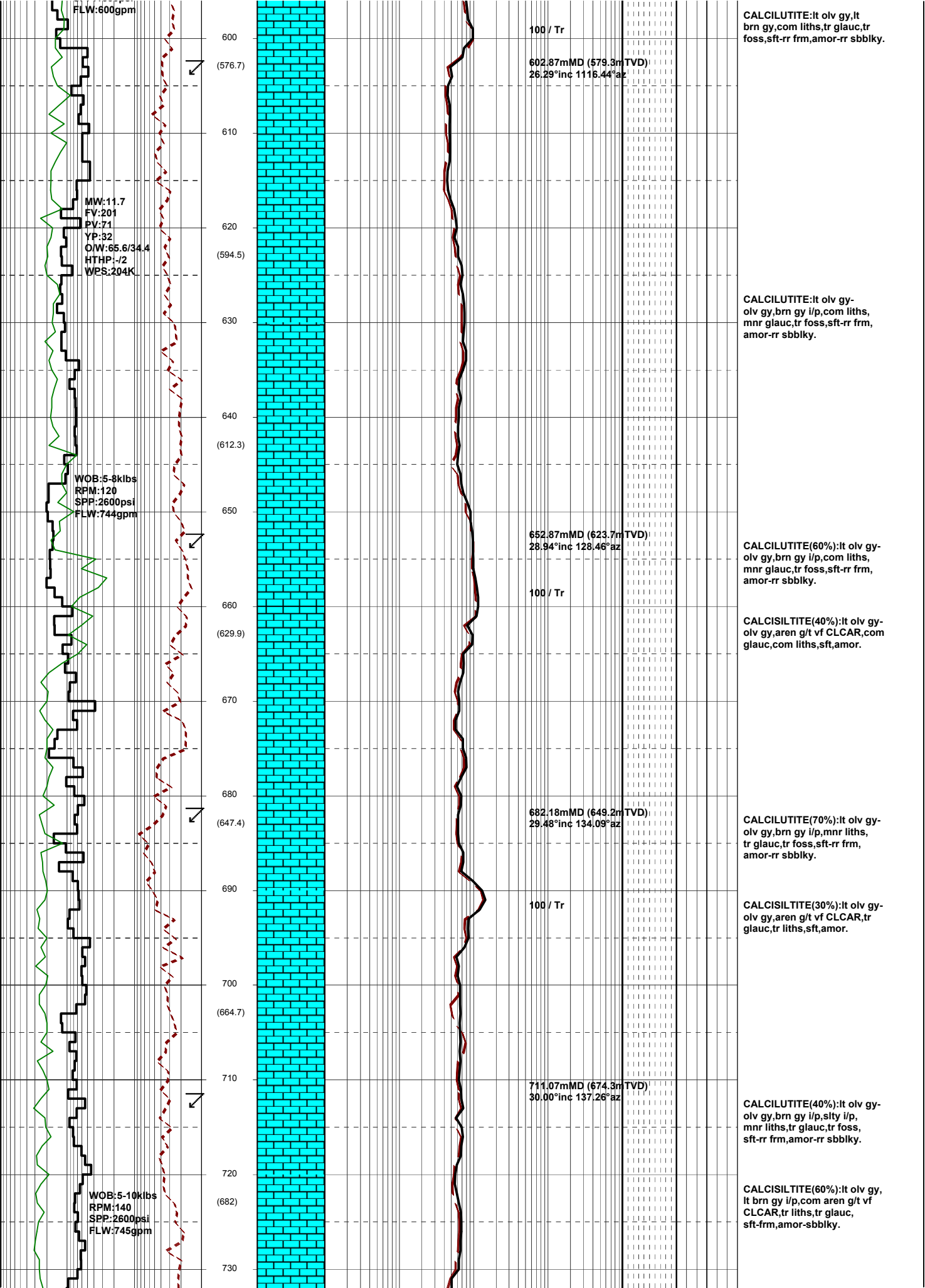
Cobia A14B

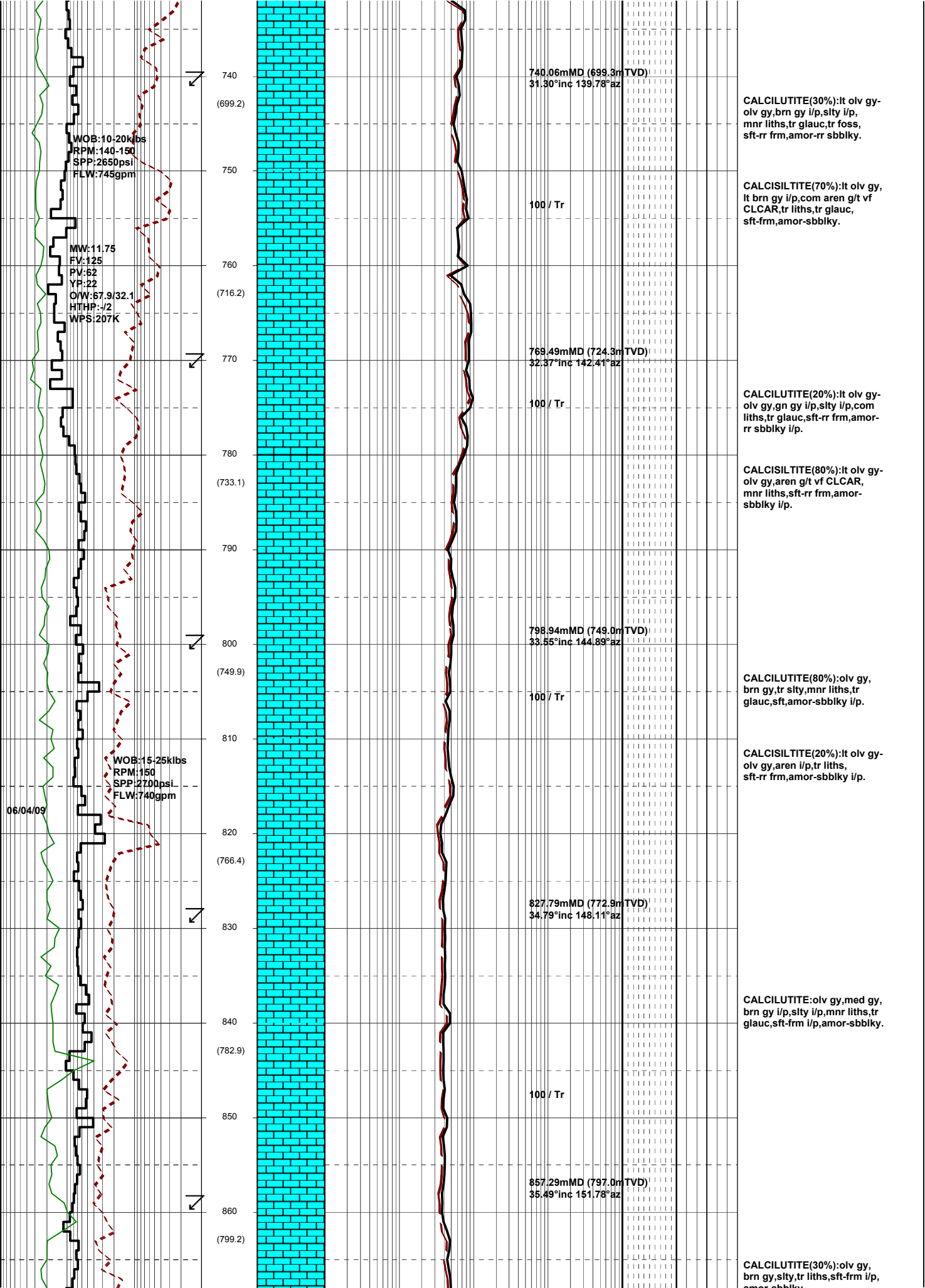


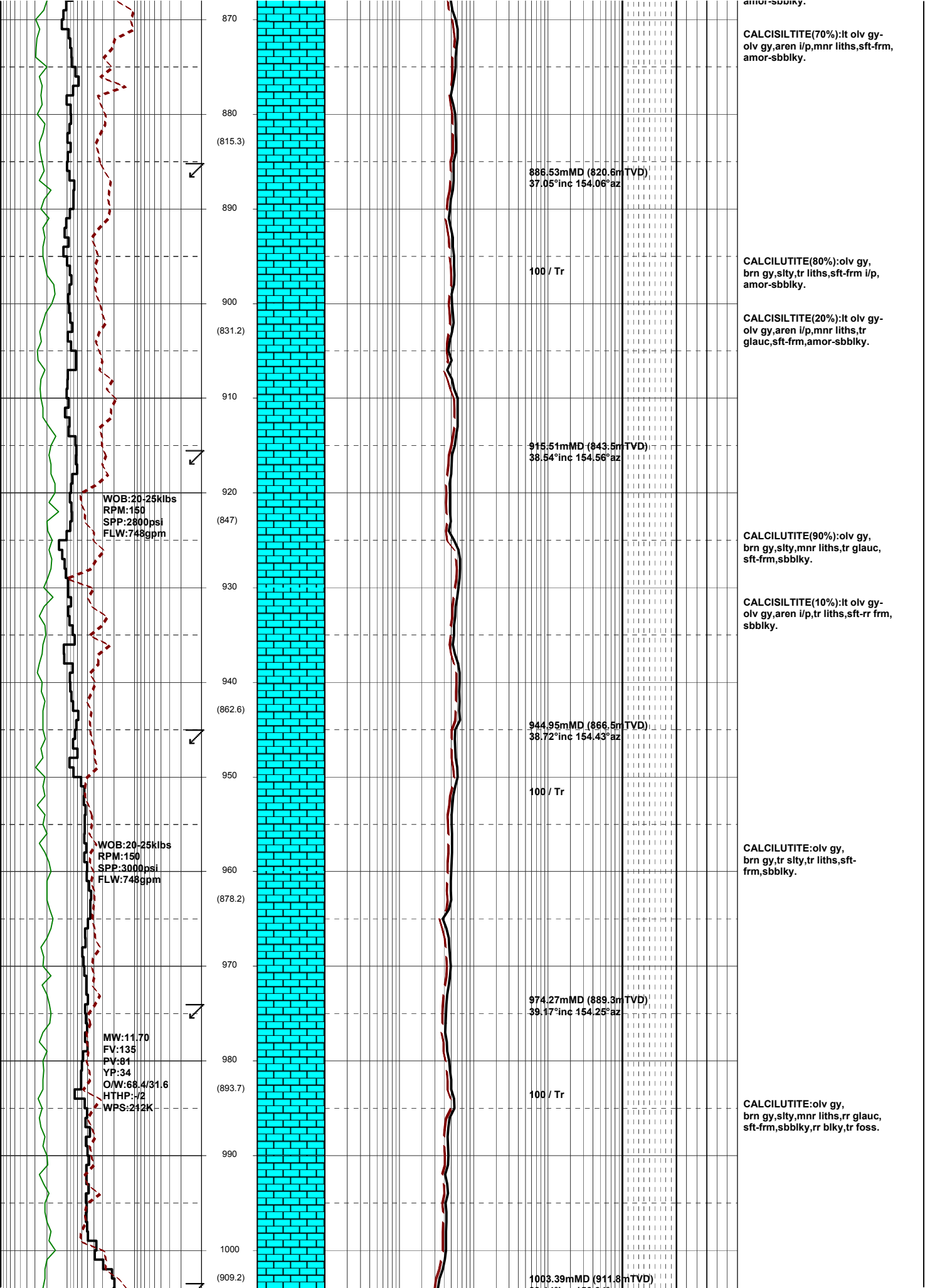
GENERAL	SURFACE POSITION	HOLE / CASING INFO	DATE / DEPTH	ENGINEERS
Country : AUSTRALIA	Longitude :148°18'32.999" E	9-7/8" Hole to 3043.0m MDRT	Kick off Date: 04/04/2009	Mark Smith
Permit : VIC / LS	Latitude : 38°26'57.499" S	Top of Window at 543.5m MDRT	Total Depth Date: 09/04/2009	Phil Rady
Field : COBIA	MGA Co-ord X :614238.770 mE	Bottom of Window at 550.0 m MDRT	Total Depth: 3043.00m MDRT	Colin Chadwick
Basin : GIPPSLAND	MGA Co-ord Y : 5743520.060 mN	10-3/4" Whipstock at 552.0m MDRT	True Vertical Depth: 2491.81m TVDRT	Leigh Dower
Well Type :DEVELOPMENT	RT to MSL : 41.0 m	10-3/4" Surface Csg at 603.0m MDRT	Log Scale : 1/ 500	Kepa O'Reilly
Rig Name : Nabors 175	RT to Sea Bed : 120.0 m	7" Production Csg at		

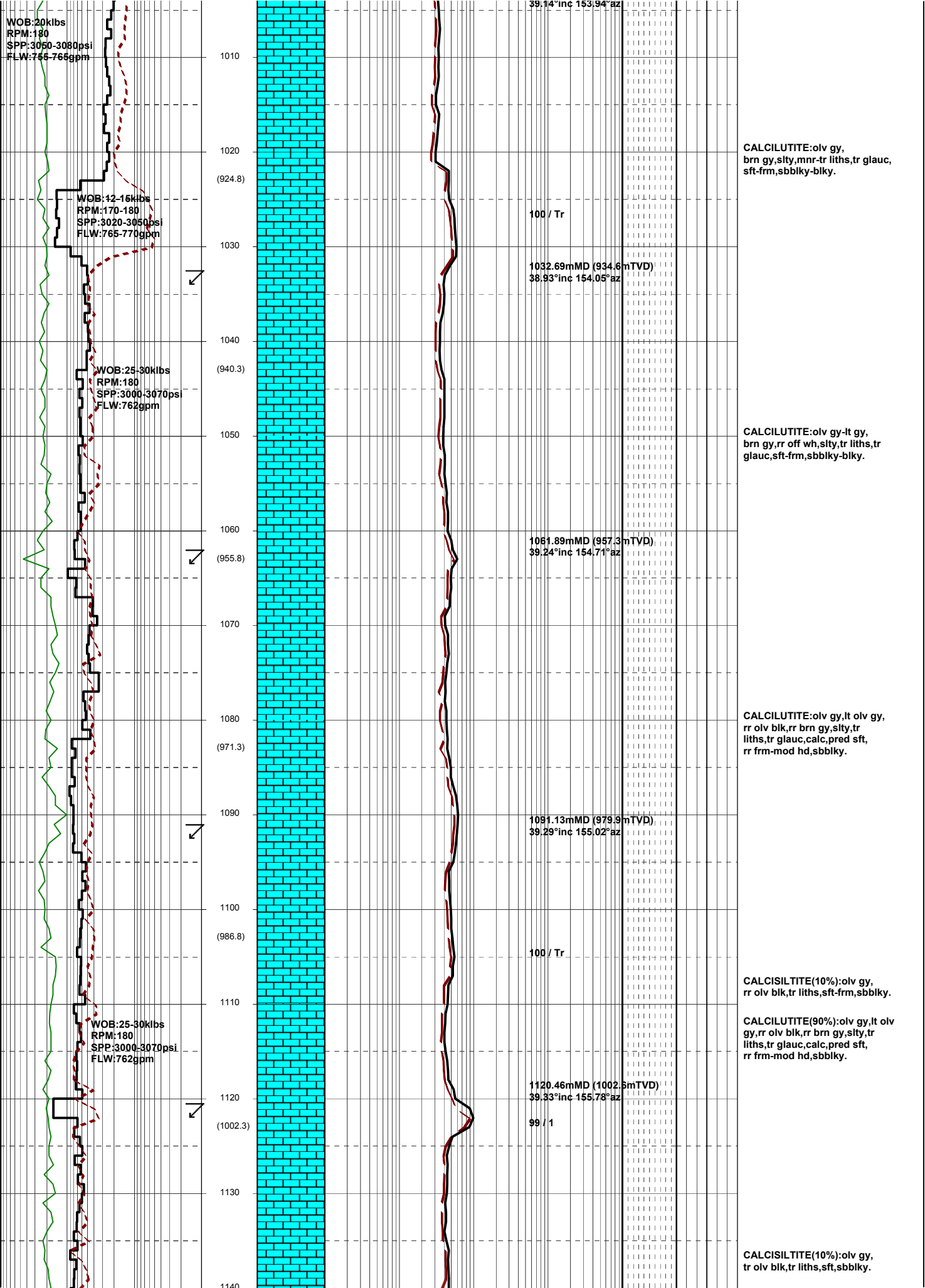
ABBREVIATIONS		LITHOLOGY LEGEND				ENGINEERING LEGEND	
MW Mud Weight	WOB Weight on Bit (Klbs)	Claystone	Marl	Bryozoa	Glauconite	Casing shoe	RFT
FV Funnel Viscosity	RPM Rotations Per Min	Siltstone	Limestone	Radiolariae	Pyrite	Casing Top	MDT
PV Plastic Viscosity	FLW Flow Rate (gpm)	Fine sandstone	Dolomite	Echinoids		Survey	Mud gain
YP Yield Point	SPP Pump Pressure (psi)	Shale	Coal-lignite	Foraminiferae		Sidewall core	Mud loss
O/W Oil/Water Ratio	RR Re-Run Bit	Conglomerate	Volcanic cinder, tuf	Cement		Core	
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						

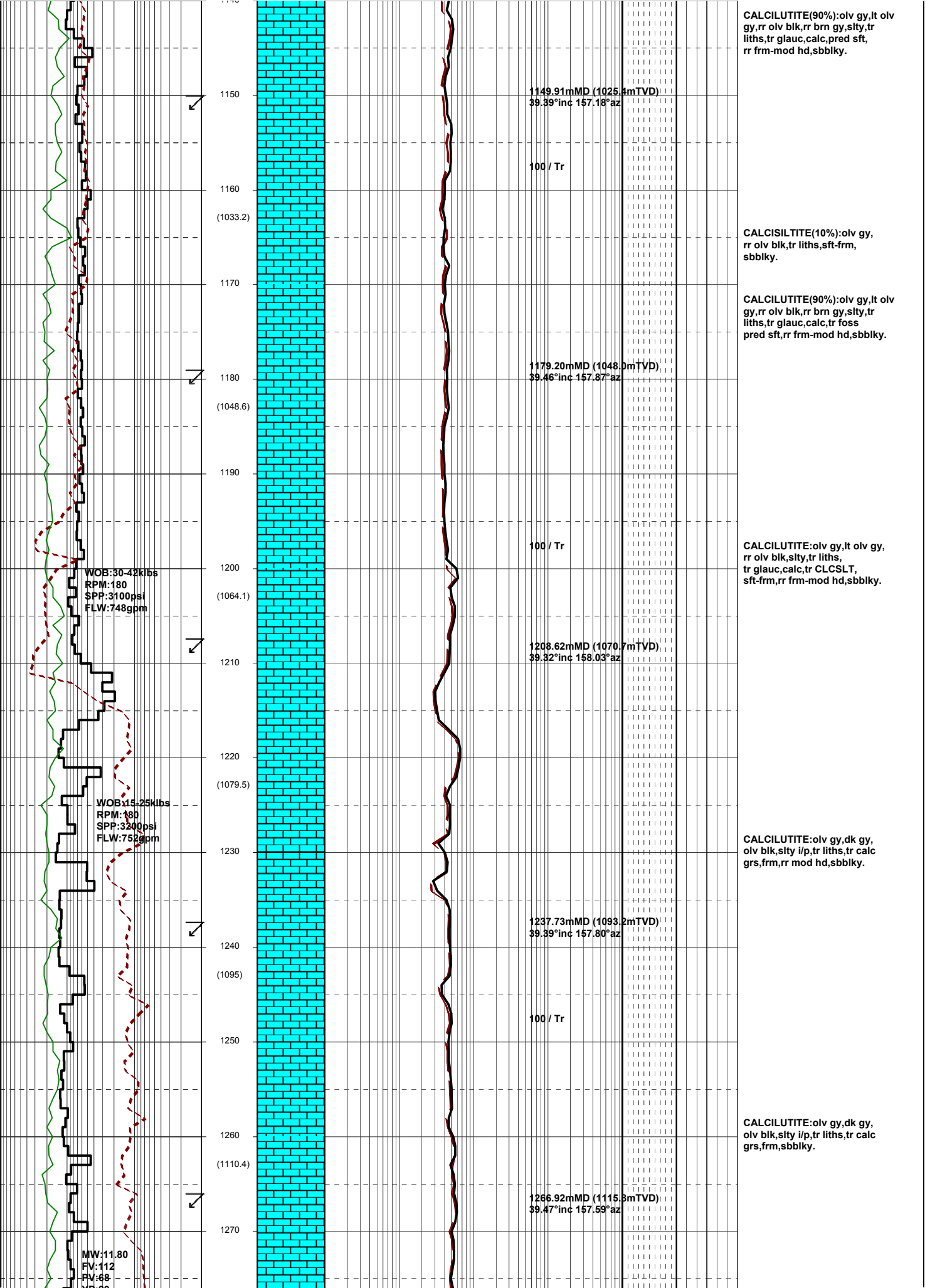


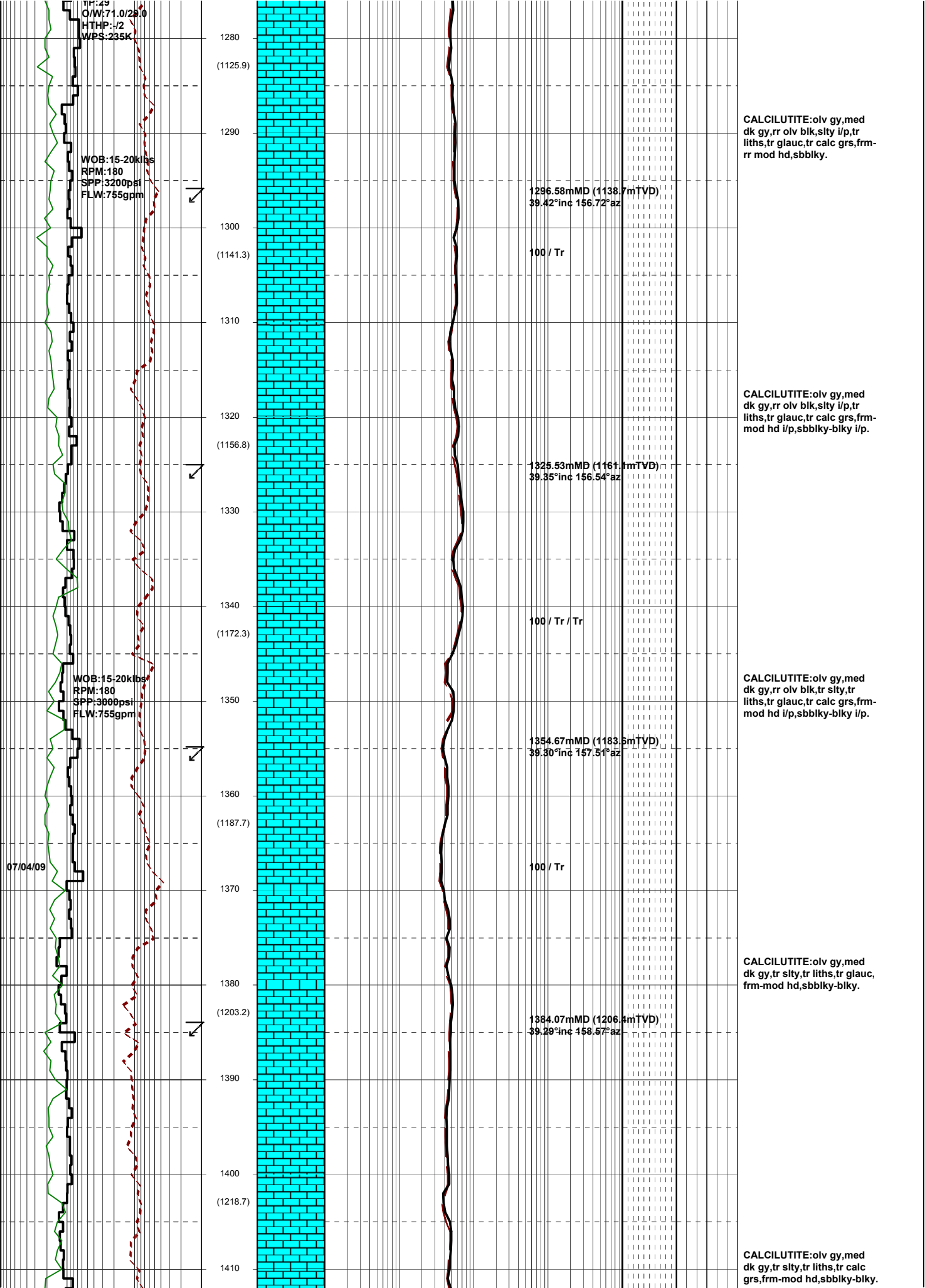


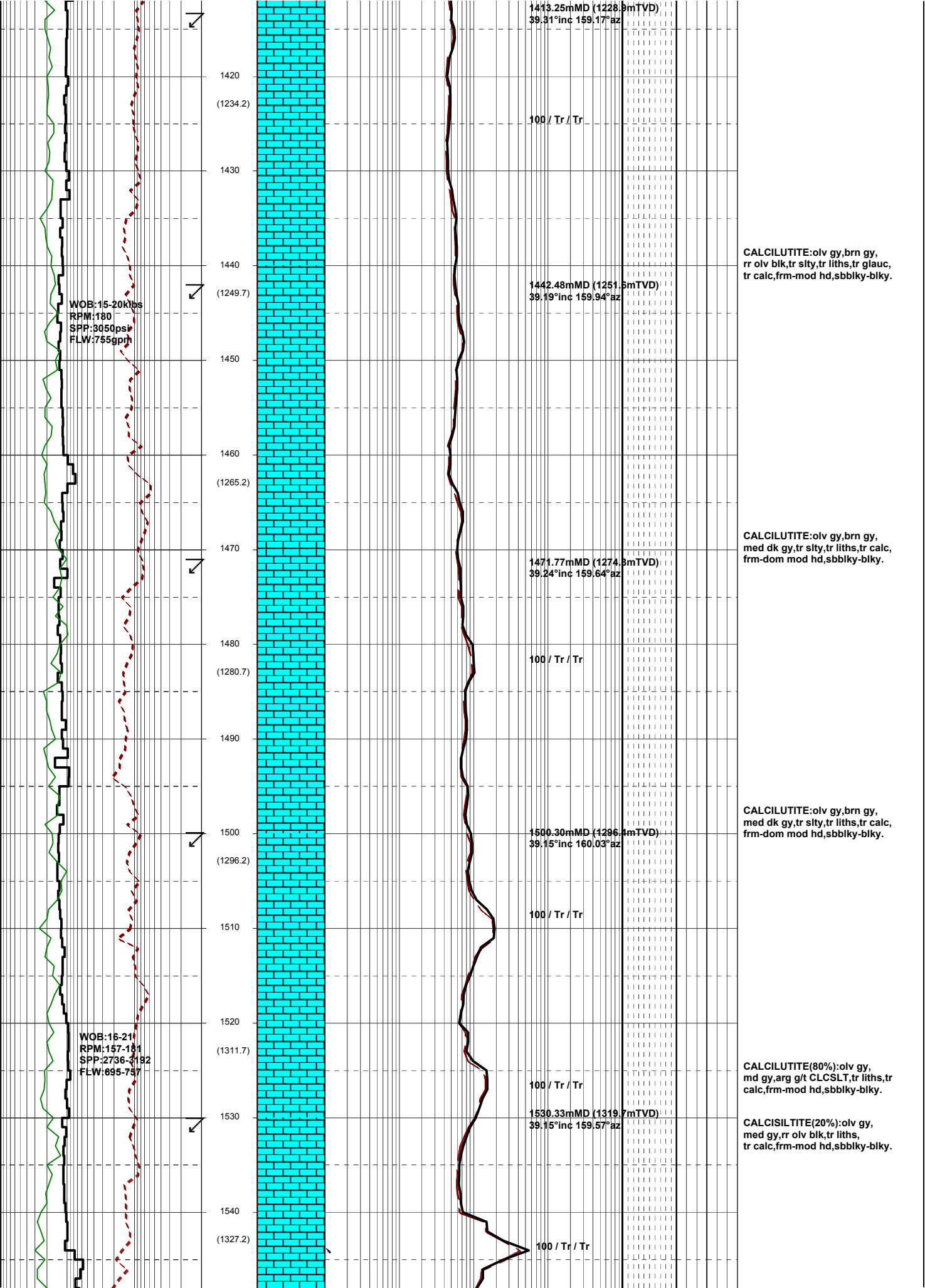


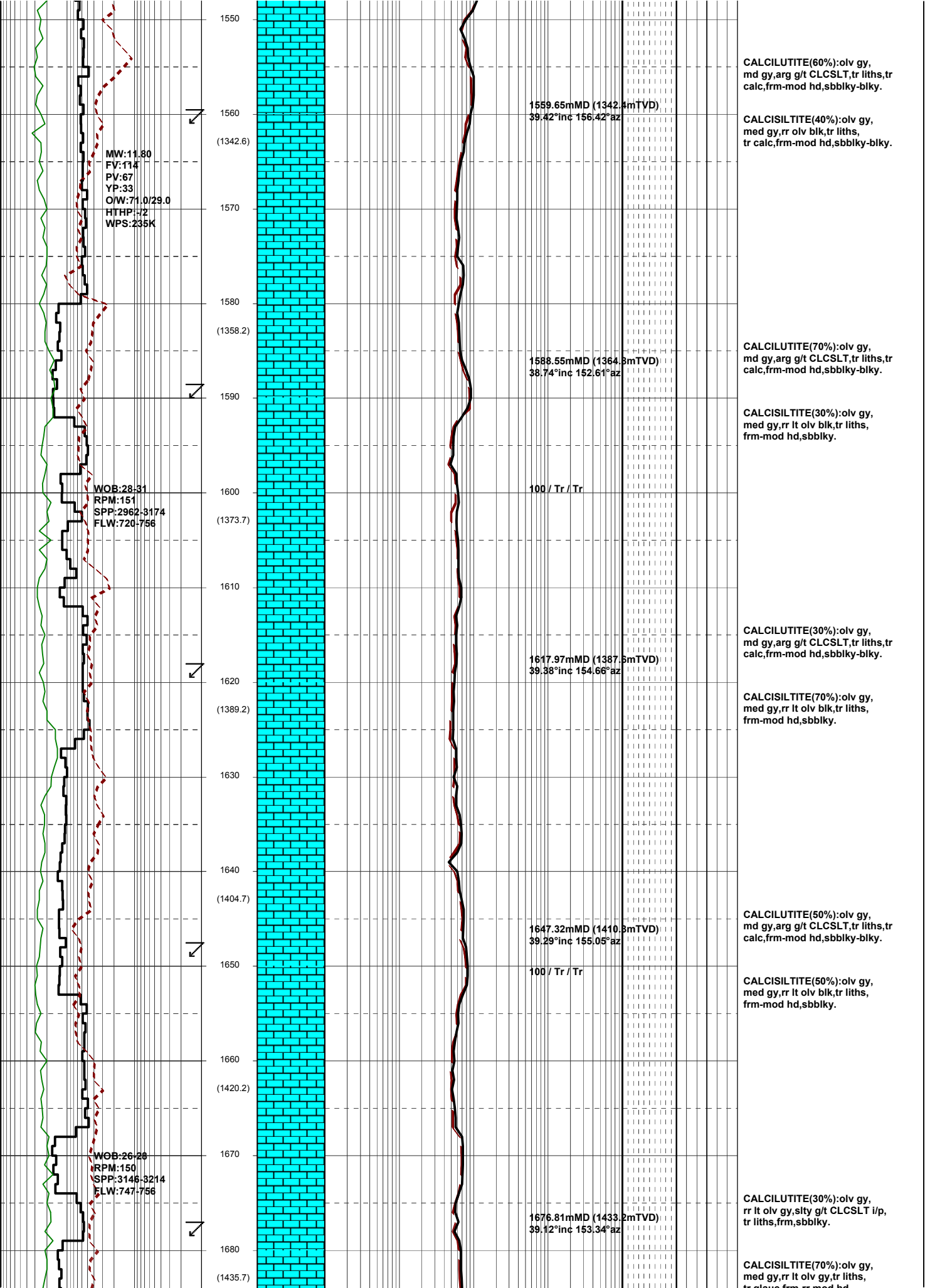


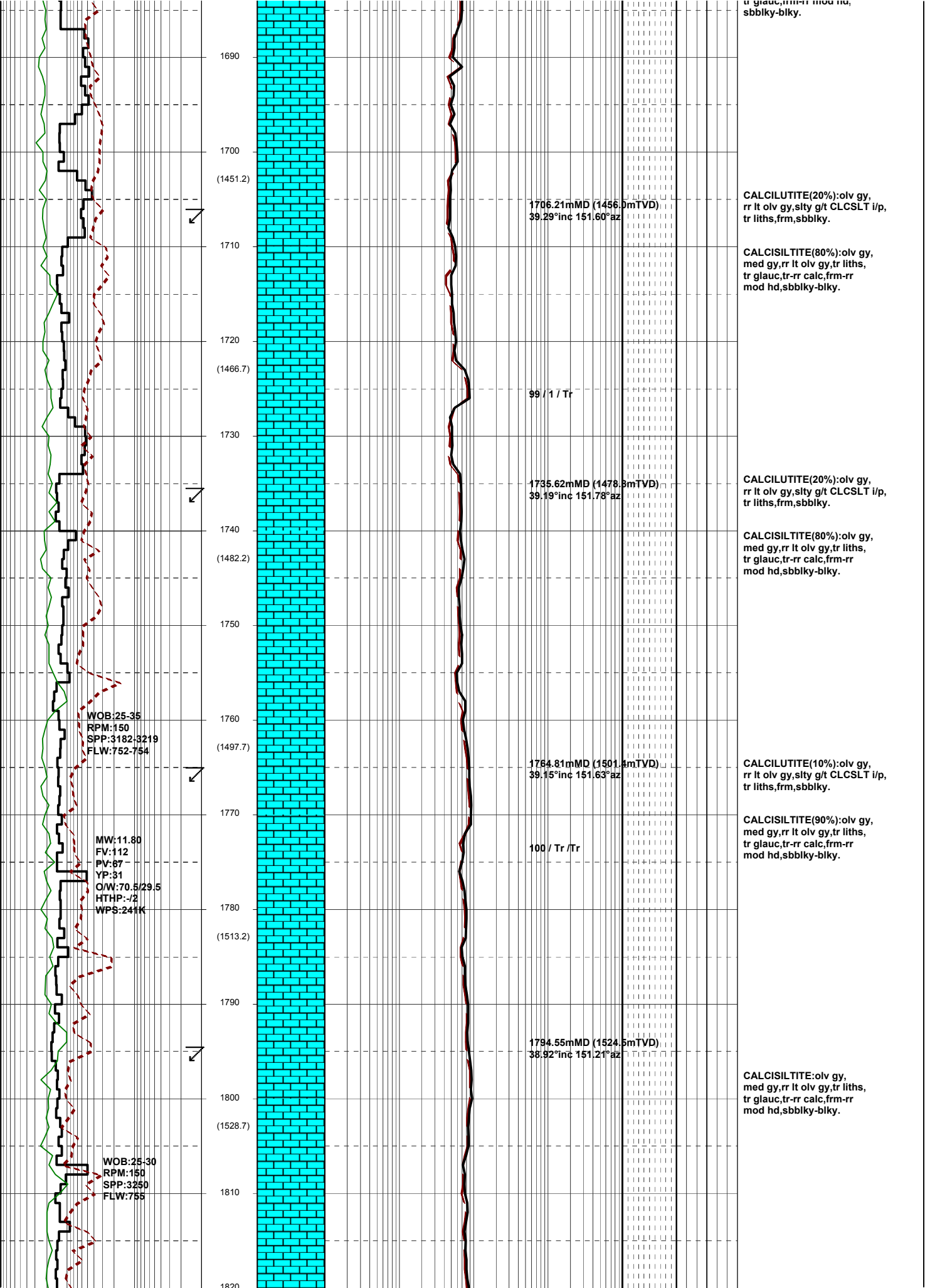


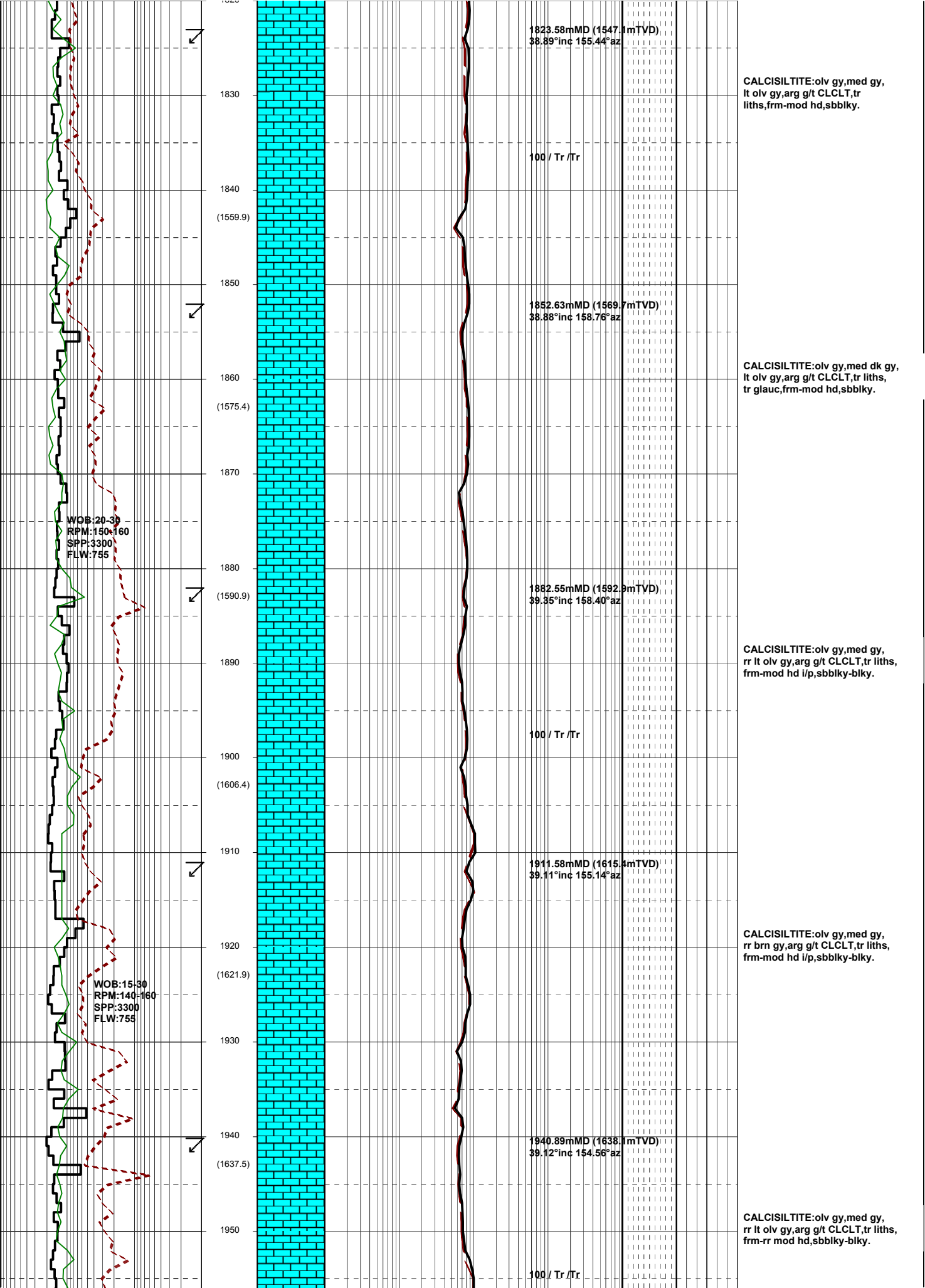


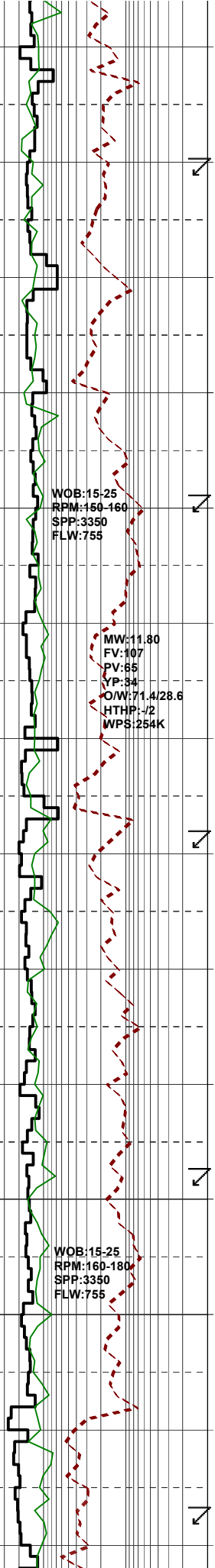




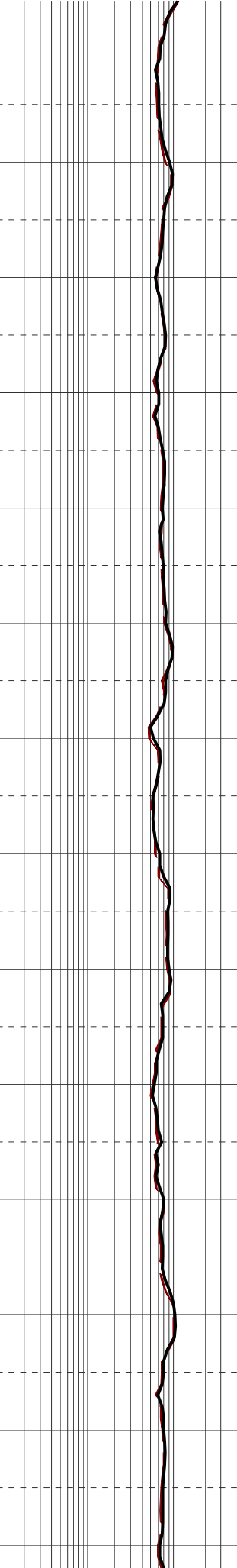
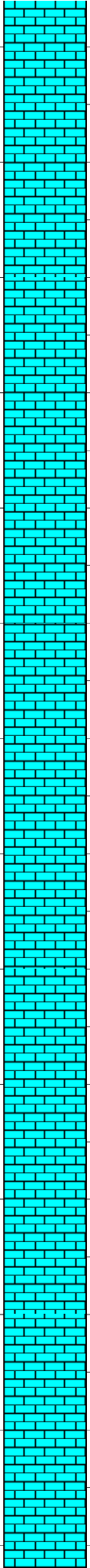








1960
(1653)
1970
1980
(1668.5)
1990
2000
(1683.9)
2010
2020
(1699.4)
2030
2040
(1714.8)
2050
2060
(1730.3)
2070
2080
(1745.8)
2090



1970.09mMD (1660.8mTVD)
39.20°inc 154.25°az

1999.39mMD (1683.4mTVD)
39.81°inc 153.08°az

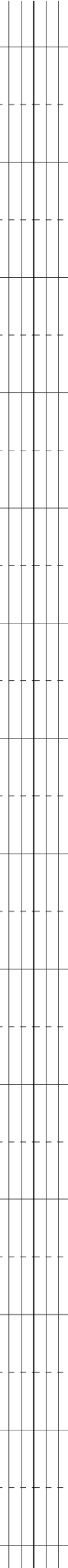
100 / Tr / Tr

2028.73mMD (1706.1mTVD)
39.16°inc 153.84°az

2057.85mMD (1728.7mTVD)
39.35°inc 156.26°az

100 / Tr / Tr

2087.14mMD (1751.4mTVD)
39.00°inc 156.02°az

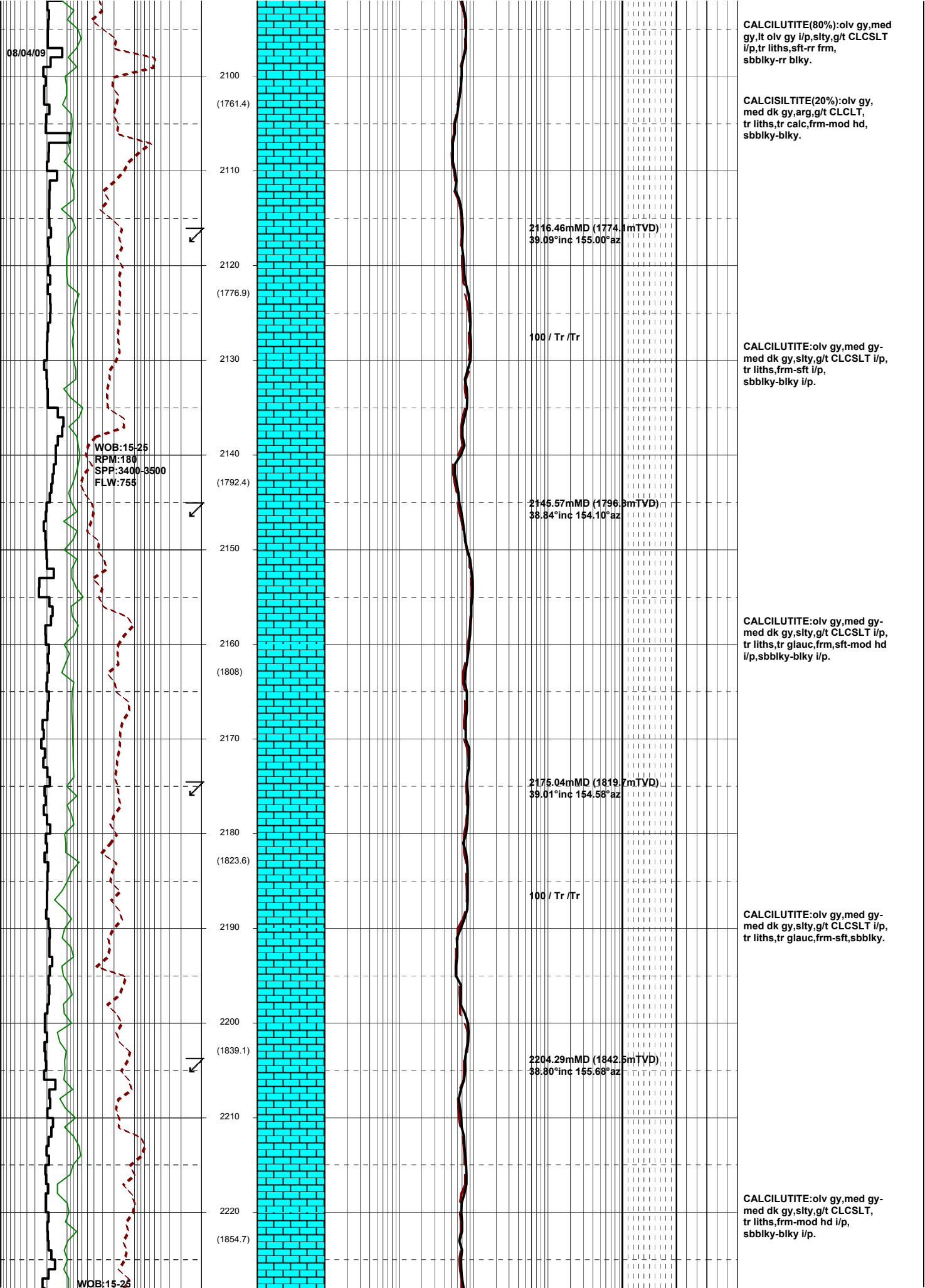


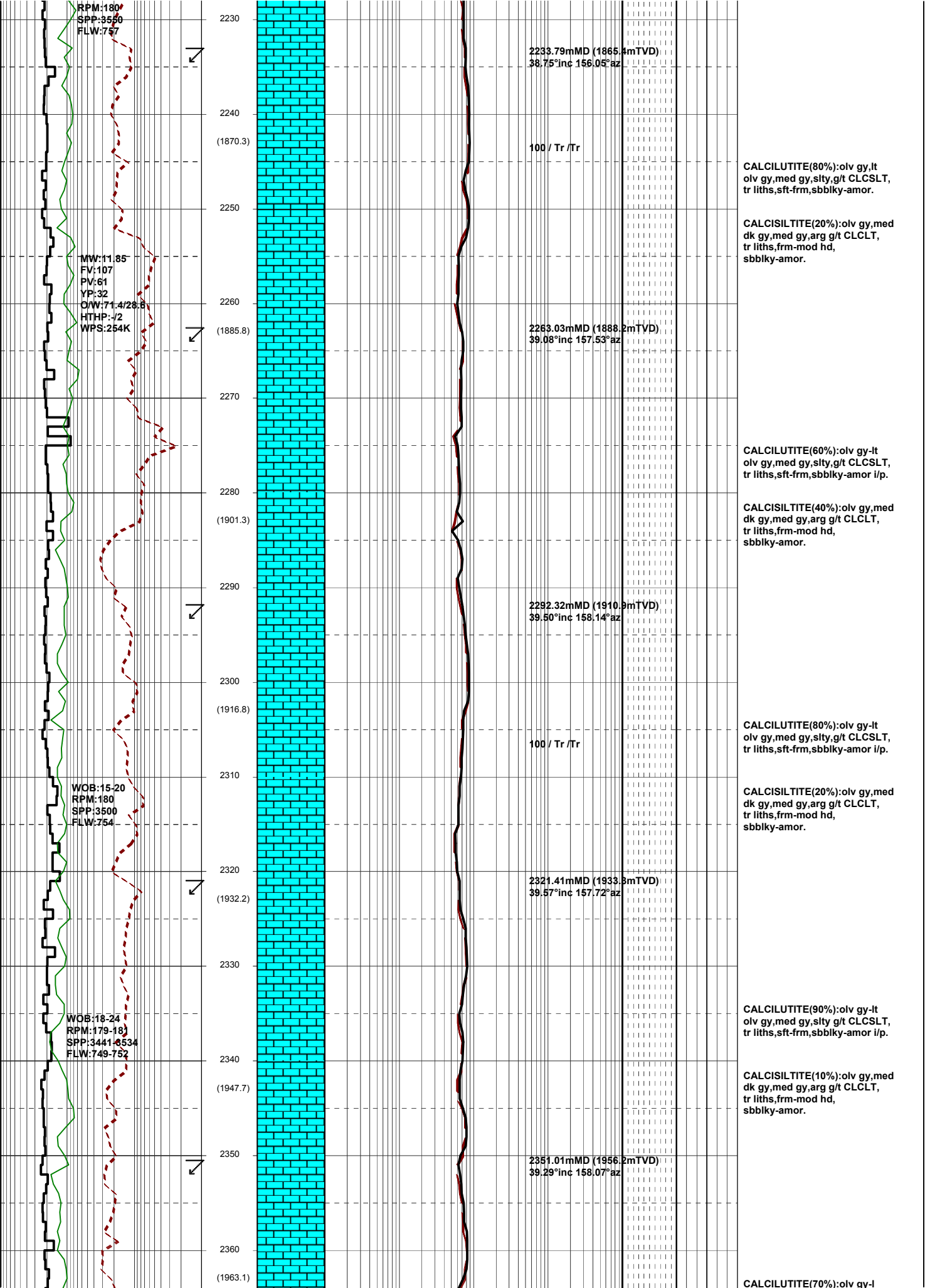
CALCISILTITE:olv gy,med gy,
rr lt olv gy,arg g/t CLCLT,tr
liths,tr calc,frm-rr mod hd,
sbbiky-blky.

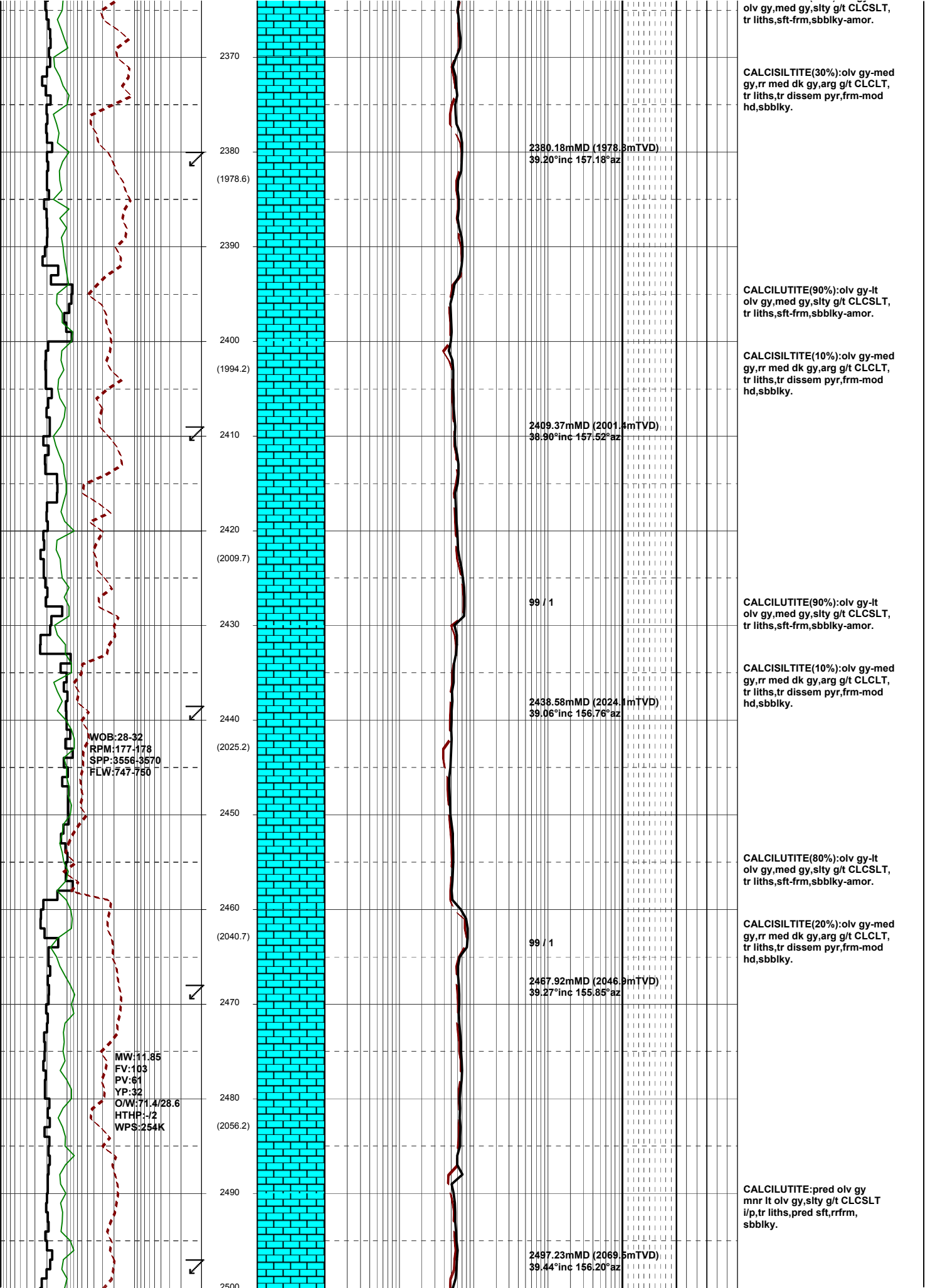
CALCISILTITE:olv gy,brn gy,
med gy,arg g/t CLCLT,tr
liths,frm-mod hd,sbbiky-blky.

CALCILUTITE:olv gy,med gy-
med dk gy,sty,g/t CLCSLT,tr
liths,tr calc,sft-frm,
sbbiky-blky.

CALCILUTITE:olv gy,med gy,
lt olv gy i/p,sty,g/t CLCSLT
i/p,tr liths,sft-rr frm,
sbbiky-rr blky.



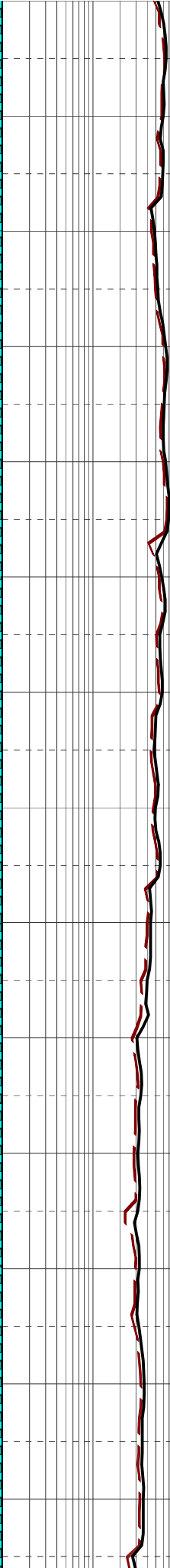
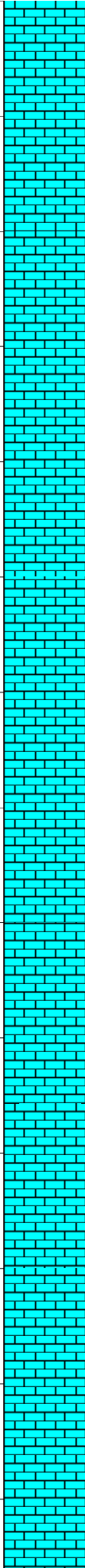




WOB:20-32
RPM:180-181
SPP:3586-3639
FLW:750-755

WOB:21-30
RPM:162-180
SPP:3612-3639
FLW:743-748

2500
2510
2520
(2087.1)
2530
2540
(2102.5)
2550
2560
(2117.9)
2570
2580
(2133.4)
2590
2600
(2148.9)
2610
2620
(2164.4)
2630



99 / 1 / Tr

2526.39mMD (2092.0mTVD)
39.67°inc 156.39°az

99 / 1 / Tr

2555.83mMD (2114.7mTVD)
39.60°inc 155.97°az

99 / 1 / Tr

2584.76mMD (2137.1mTVD)
39.20°inc 155.10°az

2614.13mMD (2159.9mTVD)
39.00°inc 152.32°az

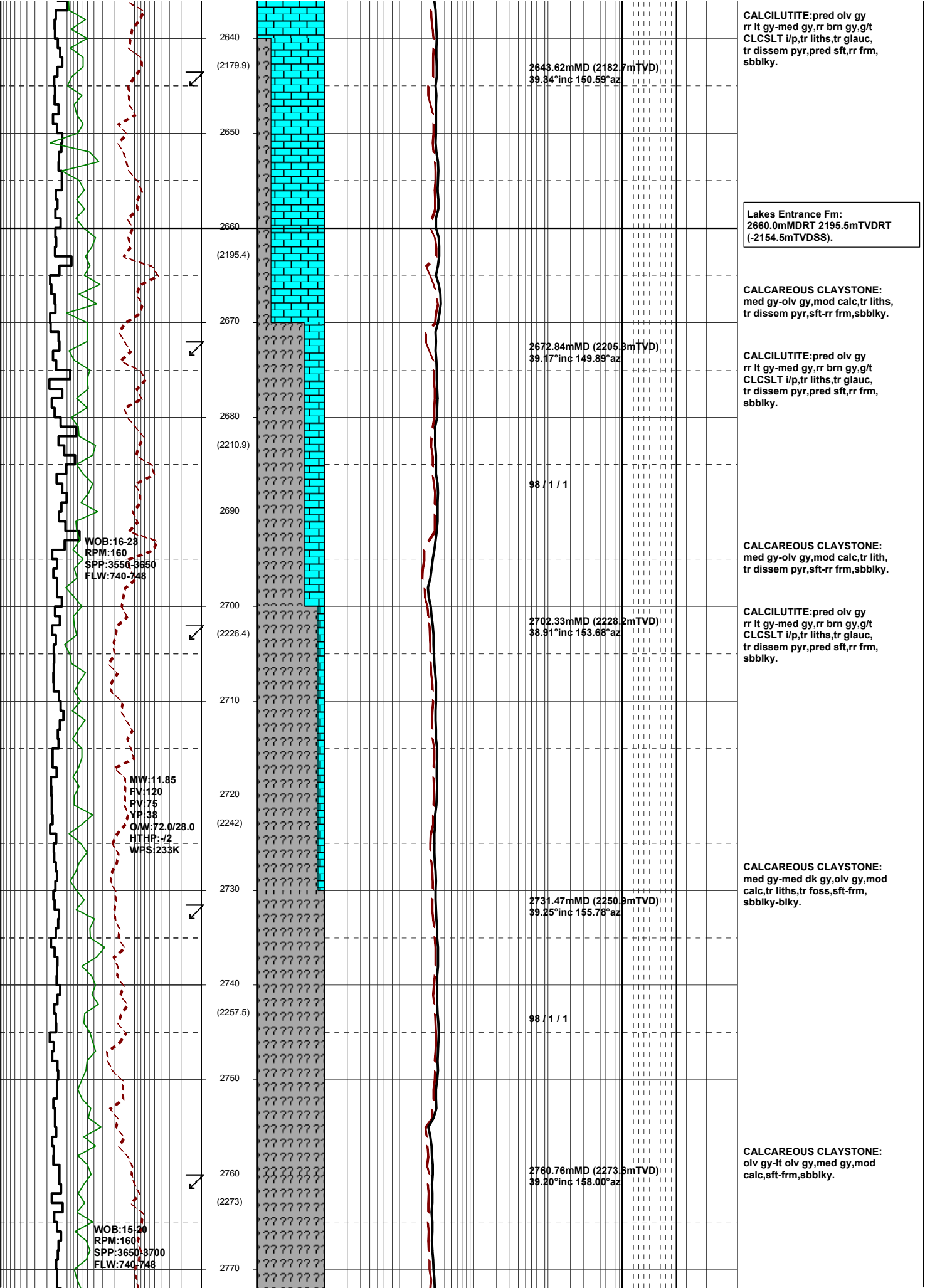
99 / 1 / Tr

CALCILUTITE:pred olv gy
mnr lt olv gy,sity g/t CLCSLT
i/p,tr liths,pred sft,rr frm,
sbbiky.

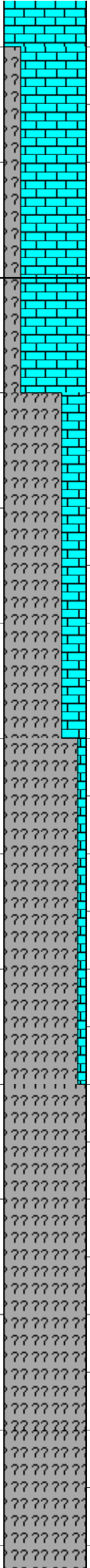
CALCILUTITE:pred olv gy
mnr lt olv gy,sity g/t CLCSLT
i/p,tr liths,pred sft,tr calc
rr frm,sbbiky.

CALCILUTITE:pred olv gy
rr lt gy-med gy,rr brn gy,g/t
CLCSLT i/p,tr liths,tr glauc,
tr dissem pyr,pred sft,rr frm,
sbbiky.

CALCILUTITE:pred olv gy
rr lt gy-med gy,rr brn gy,g/t
CLCSLT i/p,tr liths,tr glauc,
tr dissem pyr,pred sft,rr frm,
sbbiky.



2640
(2179.9)
2650
2660
(2195.4)
2670
(2210.9)
2680
2690
2700
(2226.4)
2710
2720
(2242)
2730
2740
(2257.5)
2750
2760
(2273)
2770



2643.62mMD (2182.7mTVD)
39.34°inc 150.59°az

2672.84mMD (2205.8mTVD)
39.17°inc 149.89°az

98 / 1 / 1

2702.33mMD (2228.2mTVD)
38.91°inc 153.68°az

2731.47mMD (2250.9mTVD)
39.25°inc 155.78°az

98 / 1 / 1

2760.76mMD (2273.5mTVD)
39.20°inc 158.00°az

CALCILUTITE:pred olv gy
rr lt gy-med gy,rr brn gy,g/t
CLCSLT i/p,tr liths,tr glauc,
tr dissem pyr,pred sft,rr frm,
sbbkly.

Lakes Entrance Fm:
2660.0mMDRT 2195.5mTVDRT
(-2154.5mTVDSS).

CALCAREOUS CLAYSTONE:
med gy-olv gy,mod calc,tr liths,
tr dissem pyr,sft-rr frm,sbbkly.

CALCILUTITE:pred olv gy
rr lt gy-med gy,rr brn gy,g/t
CLCSLT i/p,tr liths,tr glauc,
tr dissem pyr,pred sft,rr frm,
sbbkly.

CALCAREOUS CLAYSTONE:
med gy-olv gy,mod calc,tr lith,
tr dissem pyr,sft-rr frm,sbbkly.

CALCILUTITE:pred olv gy
rr lt gy-med gy,rr brn gy,g/t
CLCSLT i/p,tr liths,tr glauc,
tr dissem pyr,pred sft,rr frm,
sbbkly.

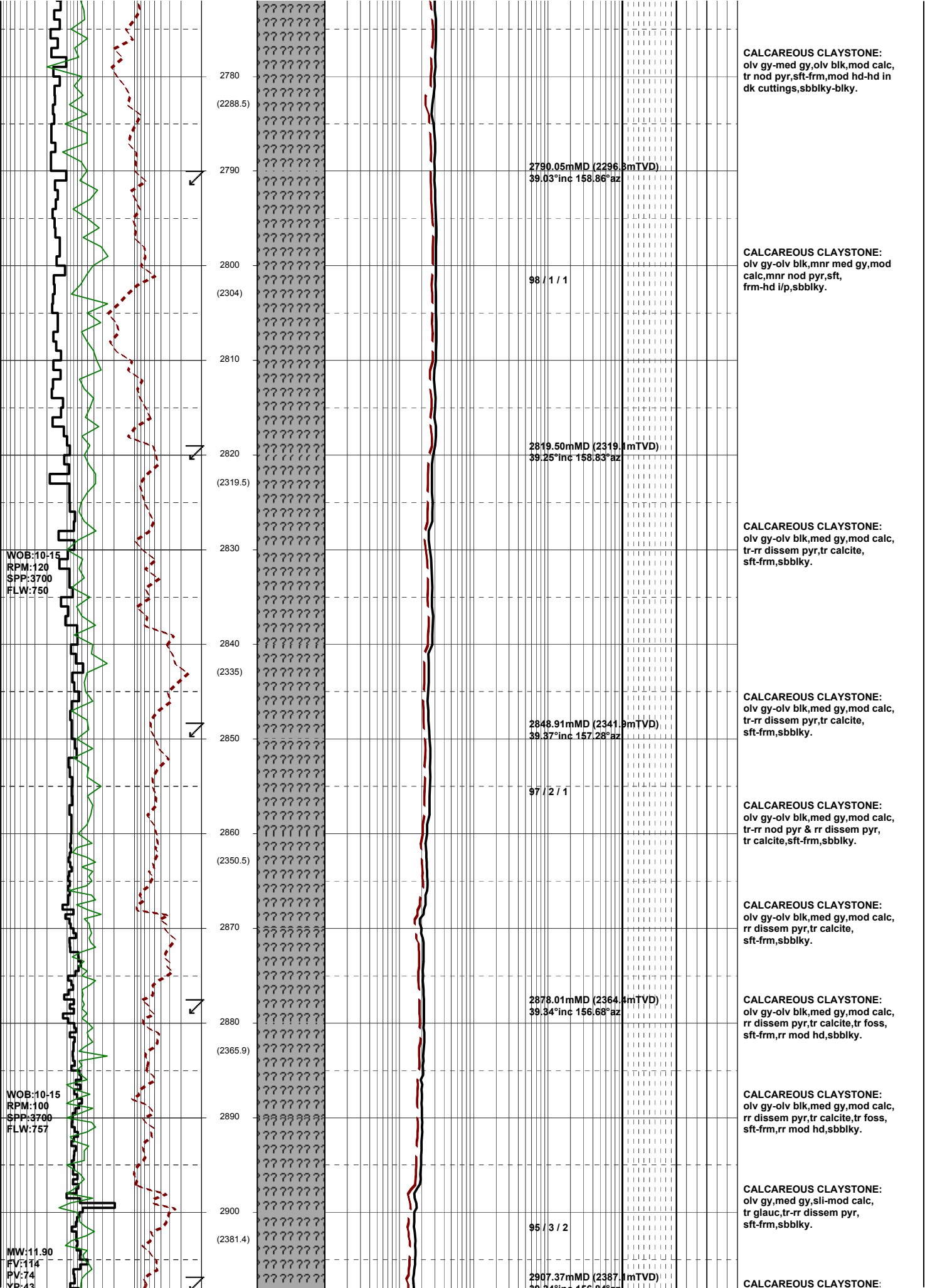
CALCAREOUS CLAYSTONE:
med gy-med dk gy,olv gy,mod
calc,tr liths,tr foss,sft-frm,
sbbkly-blky.

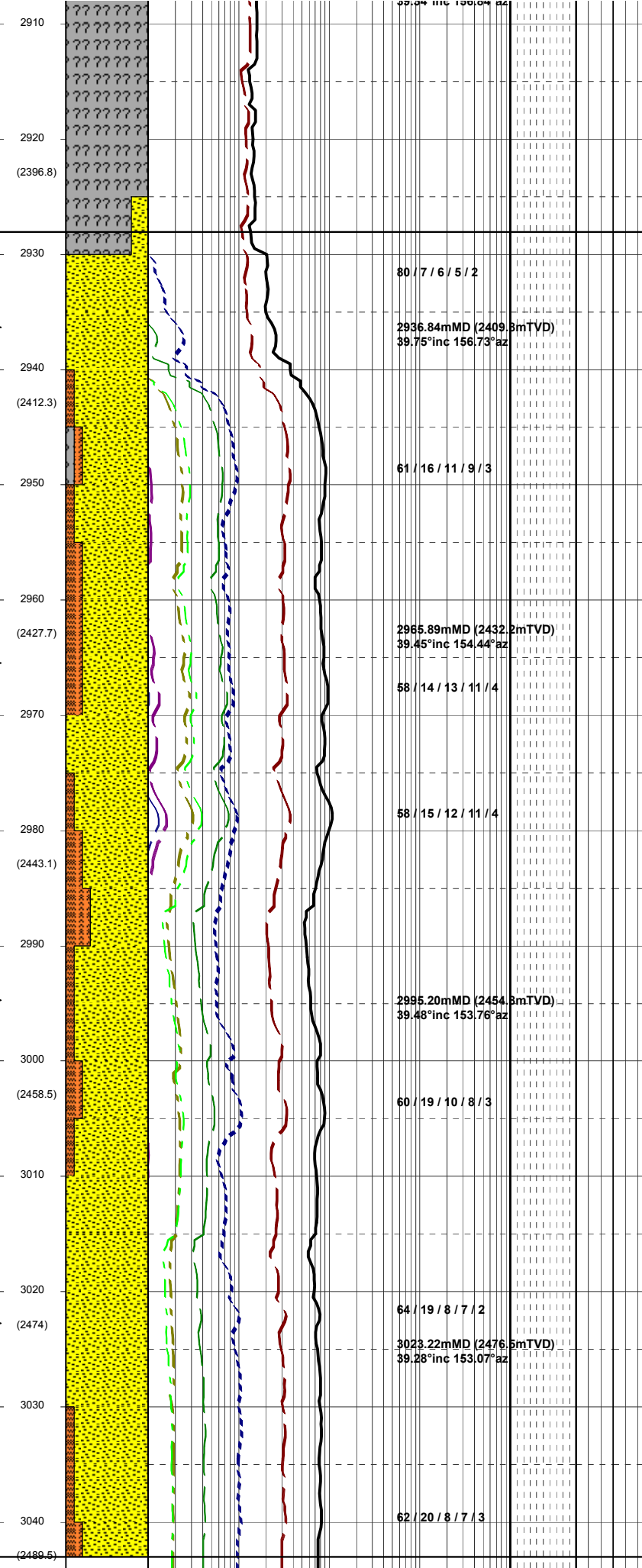
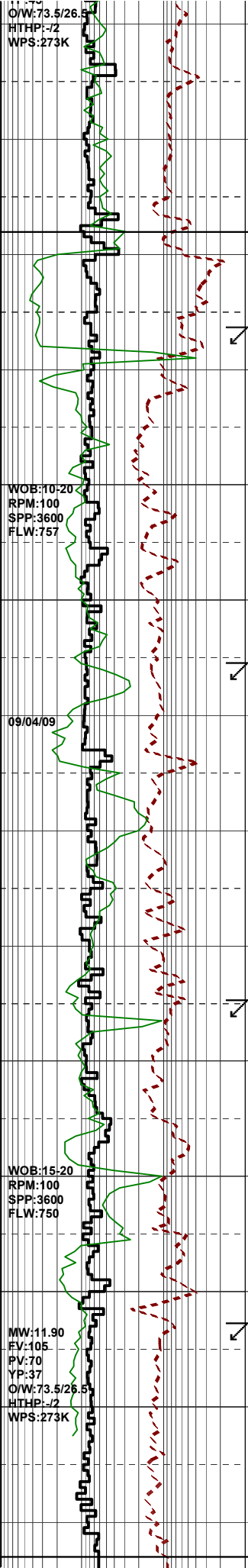
CALCAREOUS CLAYSTONE:
olv gy-lt olv gy,med gy,mod
calc,sft-frm,sbbkly.

WOB:16-23
RPM:160
SPP:3550-3650
FLW:740-748

MW:11.85
FV:120
PV:75
YP:38
O/W:72.0/28.0
HTHP:-12
WPS:233K

WOB:15-20
RPM:160
SPP:3650-3700
FLW:740-748





olv gy, med gy, slt-mod calc,
 tr glauc, tr-rr dissem pyr, tr
 liths, sft-frm, sbbiky.

Latrobe Group:
 2928.0mMDRT 2403.1mTVDRT
 (-2362.1mTVDSS).

SANDSTONE: opq, trnsi, pl gy,
 crs-v crs, rr med, mod wl srt,
 sa-sr, sbsph, wk sil cmt, tr pl gy
 arg mtx, tr glauc, fri, pred lse, fr
 inf por, pr-fr vis por, no fluor.

SANDSTONE: opq, pl gy, crs-v
 crs, wl srt, sa-sr, tr pyr cmt, com
 nod pyr, pred cln qtz, gd inf
 por, no fluor.

SILTSTONE: bn gy, ol gy, med
 gy, tr liths, tr carb, rr micmic,
 sft-frm, rr mod hd, sbbiky.

CLAYSTONE: olv gy, lt gy-med
 gy, bn gy, tr liths, tr glauc,
 sft, sbbiky-amor.

SANDSTONE: trnsi-trnsp, opq,
 f-v crs, pred med-crs, pr srt,
 sa-sr, sbsph, tr pyr cmt, com
 nod pyr, lse cln qtz, pr-fr inf
 por, no fluor.

SANDSTONE: clr-trnsi, opq, pl
 bn, f-med, mod wl srt, sa-sr, abdt
 pl bn arg mtx, fri, mtx supported,
 pr vis por, no fluor.

SANDSTONE: clr-trnsi, opq, pl
 bn i/p, f-crs, rr v crs, pr srt, sa-
 sr, sbsph, mnr-loc com pl bn arg
 mtx, mtx supported i/p, lse i/p,
 pr vis por, pr-fr inf por, no fluor.

SILTSTONE: bn gy, med bn, olv
 gy, tr liths, com micmic, frm,
 rr sft, sbbiky.

SANDSTONE: opq, trnsi, pl gy, f-
 med, mnr crs, mod srt, sa-sr,
 sbsph, tr wk sil cmt, tr-mnr pl
 gy argmtx, tr nod pyr, pred cln
 lse qtz, fri i/p, pr vis por, pr-fr
 inf por, no fluor.

SILTSTONE: med bn, olv gy, aren
 i/p, tr liths, com micmic, tr carb
 spks, frm-rr mod hd, sbbiky.

SANDSTONE: opq, trnsi, pl bn,
 f-med, tr crs, mod srt, sa-sr,
 sbsph, tr wk sil cmt, mnr pl bn
 arg mtx, tr liths, tr nod pyr, pred
 lse, mnr fri aggs, pr vis &
 inf por, no fluor.

SANDSTONE: opq, trnsi, pl bn,
 f-crs, mod srt, sa-sr, sbsph, tr
 wk sil cmt, mnr pl bn arg mtx,
 tr liths, tr nod pyr, tr glauc,
 pred lse, mnr fri aggs, pr vis &
 inf por, no fluor.

SILTSTONE: med bn, bn gy, olv
 gy, aren i/p, com micmic, tr
 liths, frm-mod hd, sbbiky.

SANDSTONE: opq, pl gy, med-v
 crs, mod pr srt, sa-sr, sbsph, tr
 pl gy arg mtx, lse cln qtz, tr

3050

Cobia A14B reached TD of
3043.00mMDRT (2491.81mTVDR)
(-2450.81mTVDS) at 02:30 hrs
on 09/04/2009

Projection to TD
3043.00mMD (2491.81mTVDR)
39.20° inc 153.00° az

3060