



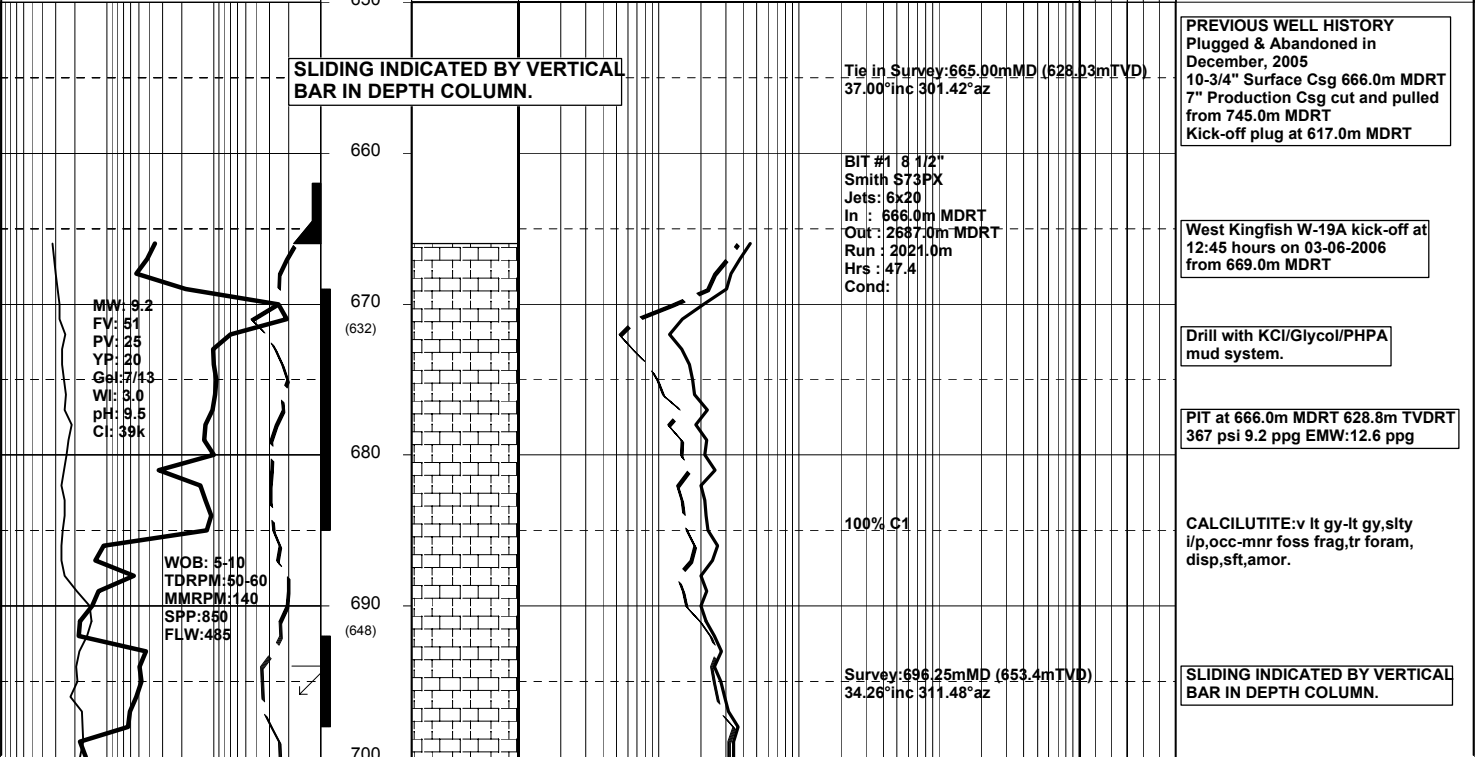
MASTERLOG WKF W-19A

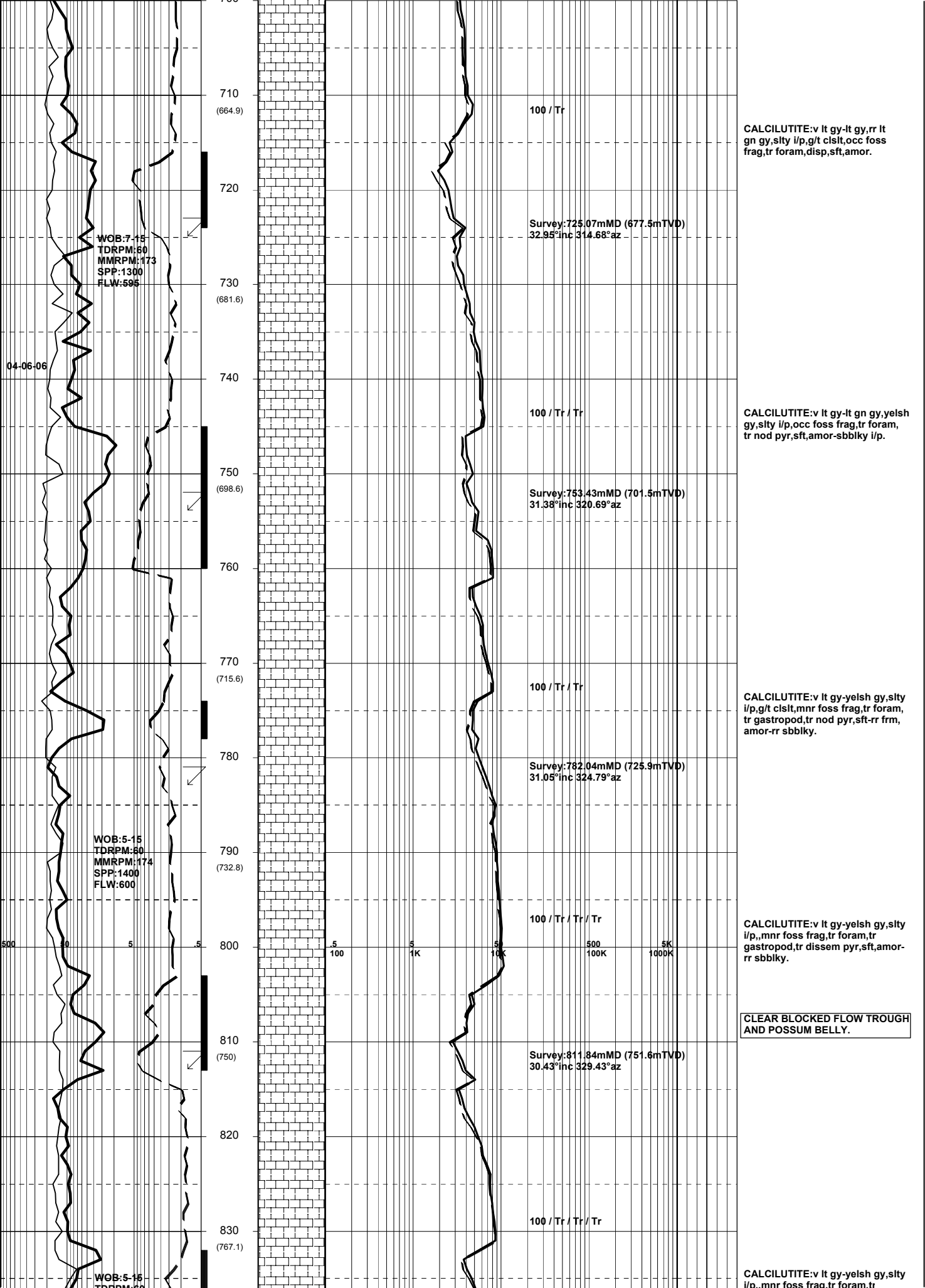


GENERAL	SURFACE POSITON	HOLE / CASING INFO	DATE / DEPTH	ENGINEERS
Country : AUSTRALIA Permit : VIC/L7 Field : Kingfish Basin : GIPPSLAND Well Type : DEVELOPMENT Rig Name : NABORS 453	GDA Co-ord X : 148 06 19.318E GDA Co-ord Y : 38 35 34.833S MGA Co-ord X : 596262.84mE MGA Co-ord Y : 5727806.79mN RT to MSL : 33.43m RT to Sea Bed : 76.13m	8-1/2" Hole to 2687.0m MDRT 10-3/4" Csg Shoe at 666.0m MDRT 7" Production Csg at	Spud Date : 03-06-2006 Total Depth Date : 07-06-2006 Total Depth : 2687.0m MDRT True Vertical Depth : 2373.41m TVDRT Log Scale : 1/ 500	Steve Oades Mark Smith Noel Elliott

ABBREVIATIONS	LITHOLOGY LEGEND	ENGINEERING LEGEND
MW Mud Weight FV Funnel Viscosity PV Plastic Viscosity YP Yield Point Gel Gel Strength WL Water Loss KCl Potassium Chloride Cl Chlorides Incl Inclination Az Azimuth WOB Weight on Bit (klbs) RPM Rotations Per Min FLW Flow Rate (gpm) SPP Pump Pressure (psi) RR Re-Run Bit TG Trip Gas CG Connection Gas BG Background Gas DGP Drilled Gas Peak MM Mud Motor	CLAYSTONE SILTSTONE SST: F - V FINE SST: MEDIUM SST: COARSE SHALE MARL LIMESTONE DOLOMITE CHERT CONGLOMERATE COAL BRYOZOA RADIOLARITES ECHINOIDES CORALS FORAMINIFERA LITHIC FRAGMENT CARB FRAGMENT QUARTZITE INTRUSIVES GLAUCONITE PYRITE CEMENT	CASING SHOE LINER HANGER BIT CHANGE DEVI. SURVEY SWC UNRECOV SIDEWALL CORE CORE WIRELINE LOGS MDT POINTS: PRESSURE ONLY SAMPLE SEAL FAILURE TIGHT

ROP (m/hr)	DEPTH (m) (TVD)	CUTTINGS	RESERVAL GAS DATA	CUT FLUOR	DIRECT FLR	LITHOLOGY DESCRIPTIONS and REMARKS
500 50 5 .5	SLIDING BAR	LITHOLOGY	C1 ——— C2 - - - - C3 ——— iC4 - - - - nC4 - - - - iC5 - - - - nC5 - - - - TG ——— Total Gas in Units Chromatograph in PPM	5K 100K 1000K	FOOT BIT 3000 FOOT BIT 3000 FOOT BIT 3000 FOOT BIT 3000	





TDRPM:80
MMRPM:174
SPP:1500
FLW:600

840

Survey:840.37mMD (776.1mTVD)
31.29°inc 335.54°az

gastropod,tr dissem pyr,sft,amor-
rr sbbiky.

850
(784.3)

860

870
(801.3)

Survey:869.04mMD (800.5mTVD)
31.73°inc 335.72°az

CALCILUTITE:v lt gy,yelsh gy,silty
i/p,,mnr foss frag,tr foram,tr
gastropod,tr dissem pyr,sft,amor-
rr sbbiky.

100 / Tr / Tr / Tr

880

890
(818.3)

WOB:5-10
TDRPM:115
MMRPM:174
SPP:1500
FLW:600

Survey:897.64mMD (824.8mTVD)
31.83°inc 335.34°az

CALCILUTITE:v lt gy,yelsh gy,silty
i/p,,mnr foss frag,tr foram,tr
gastropod,tr dissem pyr,sft,amor-
rr sbbiky.

100 / Tr / Tr / Tr

900

910
(835.3)

MW: 9.25
FV: 66
PV: 22
YP: 36
Gel:10/14
Vt: 3.6
pH: 9.0
Cl: 40k

Survey:926.33mMD (849.2mTVD)
31.92°inc 338.22°az

CALCILUTITE:v lt gy,yelsh gy,silty
i/p,,mnr foss frag,tr foram,tr
gastropod,tr dissem pyr,sft,amor-
rr sbbiky.

100 / Tr / Tr / Tr

920

930
(852.3)

940

950
(869.3)

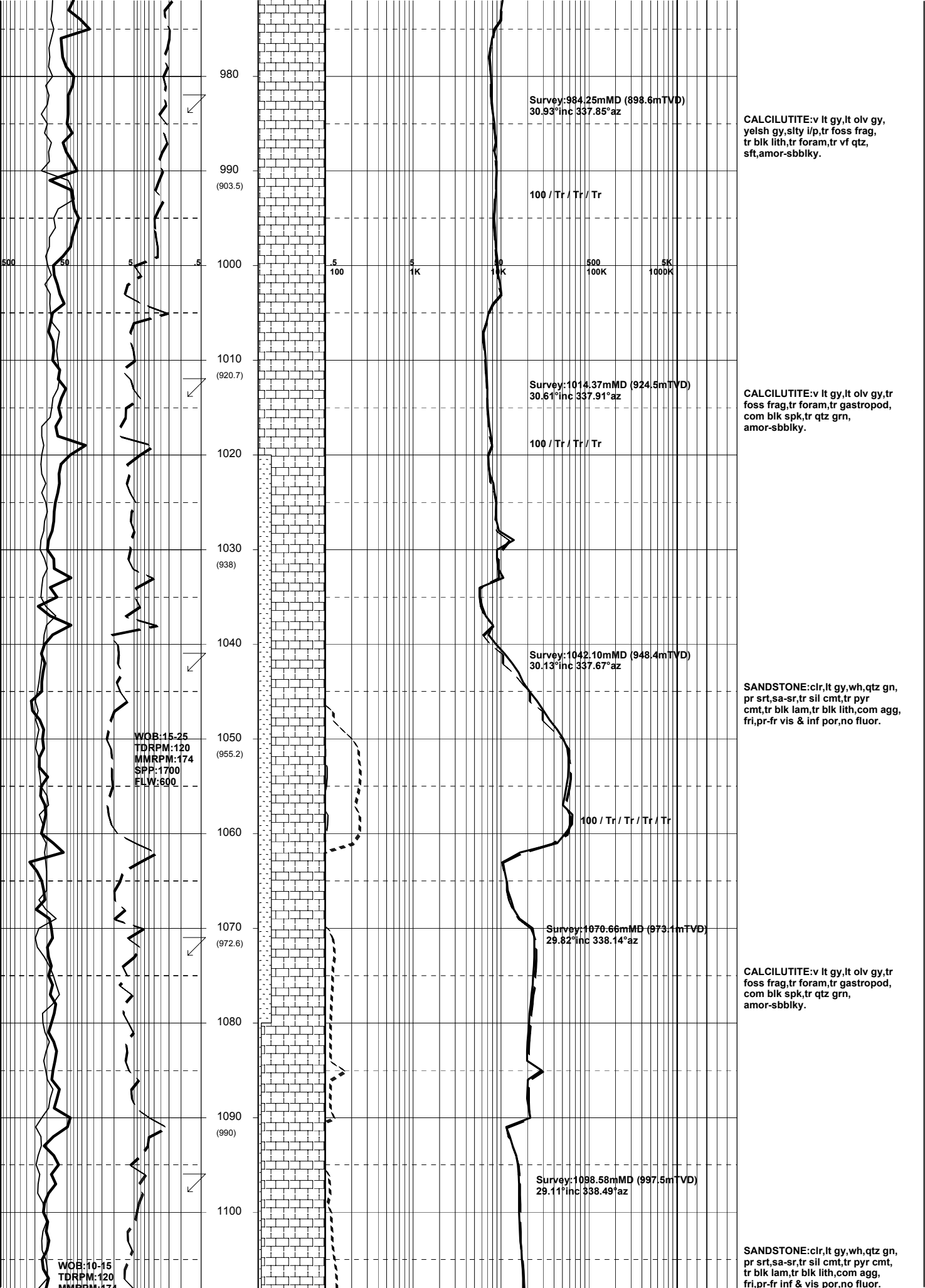
WOB:5-8
TDRPM:120
MMRPM:180
SPP:1500
FLW:620

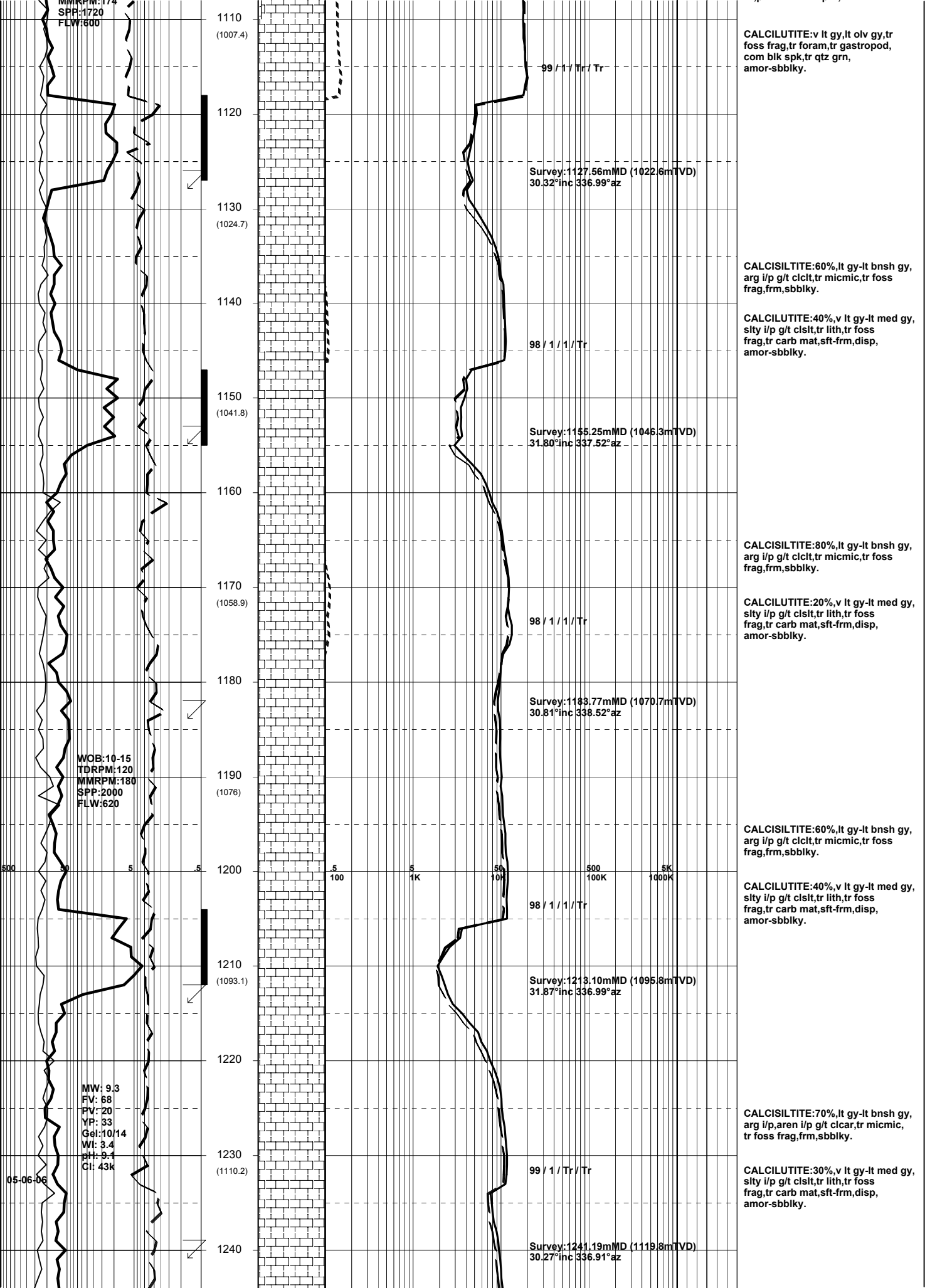
Survey:955.16mMD (873.7mTVD)
31.41°inc 337.72°az

CALCILUTITE:v lt gy,lt olv gy,
yelsh gy,silty i/p,tr foss frag,
tr blk lith,tr foram,tr vf qtz,
sft,amor-sbbiky.

960

970
(886.4)





1250
(1127.5)

1260

1270
(1144.9)

1280

1290
(1162.3)

1300

1310
(1179.6)

1320

1330
(1196.8)

1340

1350
(1213.9)

1360

1370
(1231)

1380

WOB:10-15
TDRPM:120
MMRPM:180
SPP:2000
FLW:620

WOB:15-20
TDRPM:120
MMRPM:180
SPP:2200
FLW:618

Survey:1269.70mMD (1144.6mTVD)
28.66°inc 337.47°az

99 / 1 / Tr / Tr

Survey:1298.43mMD (1169.7mTVD)
29.93°inc 336.71°az

99 / 1 / Tr / Tr

Survey:1327.67mMD (1194.8mTVD)
31.49°inc 335.26°az

Survey:1356.54mMD (1219.5mTVD)
31.48°inc 335.54°az

99 / 1 / Tr / Tr

CALCISILTITE:50%,lt gy-lt bnsh gy,
arg i/p,aren i/p g/t cclar,tr micmic,tr
tr foss frag,tr dissem pyr,tr glauc,
frm-occ mod hd,sbbiky.

CALCILUTITE:50%,v lt gy-lt med gy,
sity i/p g/t clslt,tr lith,tr foss
frag,tr carb mat,sft-frm,disp,
amor-sbbiky.

CALCILUTITE:80%,v lt gy-lt med gy,
sity i/p g/t clslt,tr lith,tr foss
frag,tr carb mat,sft-frm,disp,
amor-sbbiky.

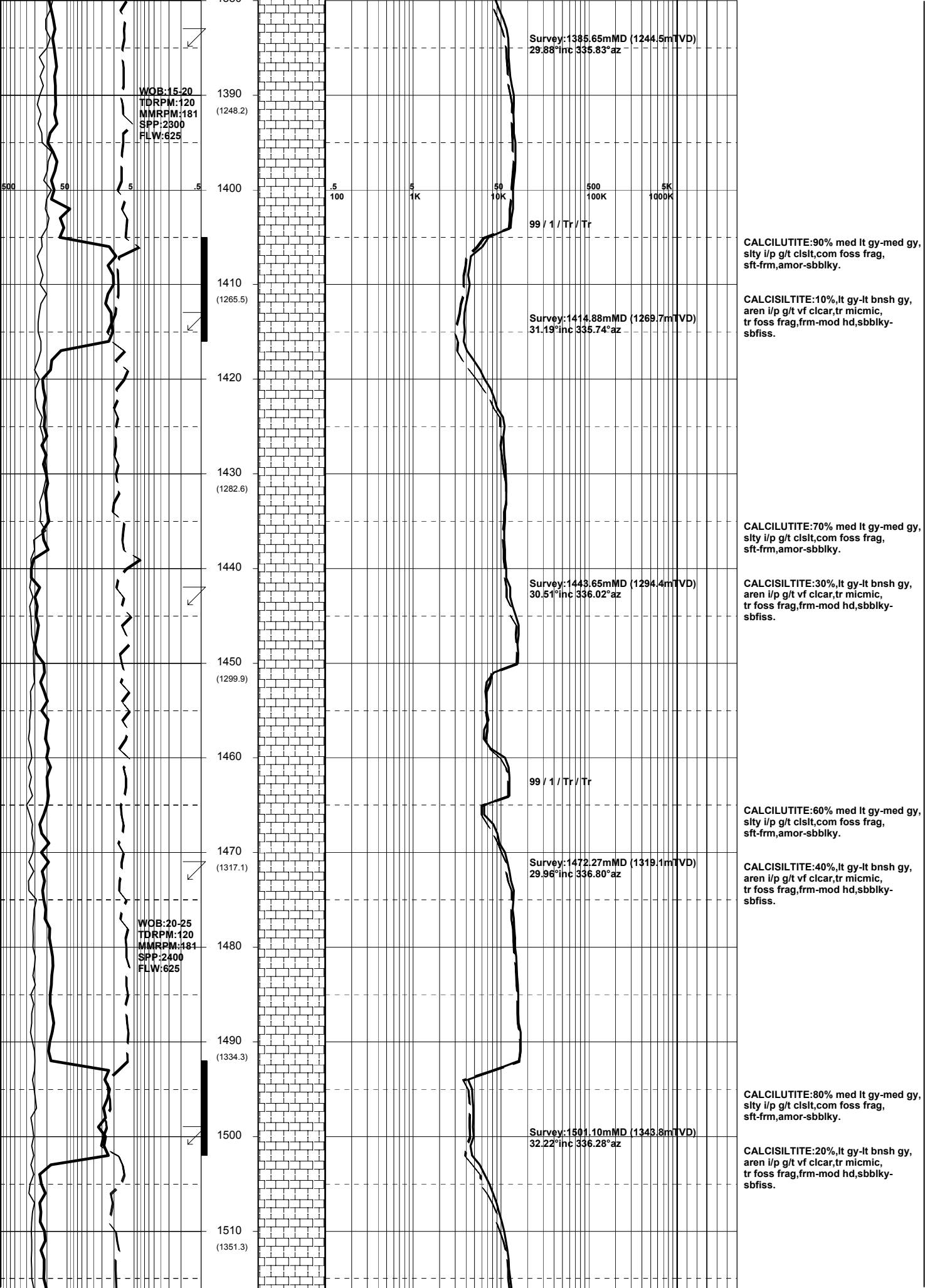
CALCISILTITE:20%,lt gy-lt bnsh gy,
arg i/p,aren i/p g/t cclar,tr micmic,
tr foss frag,tr glauc,frm-occ mod
hd,sbbiky.

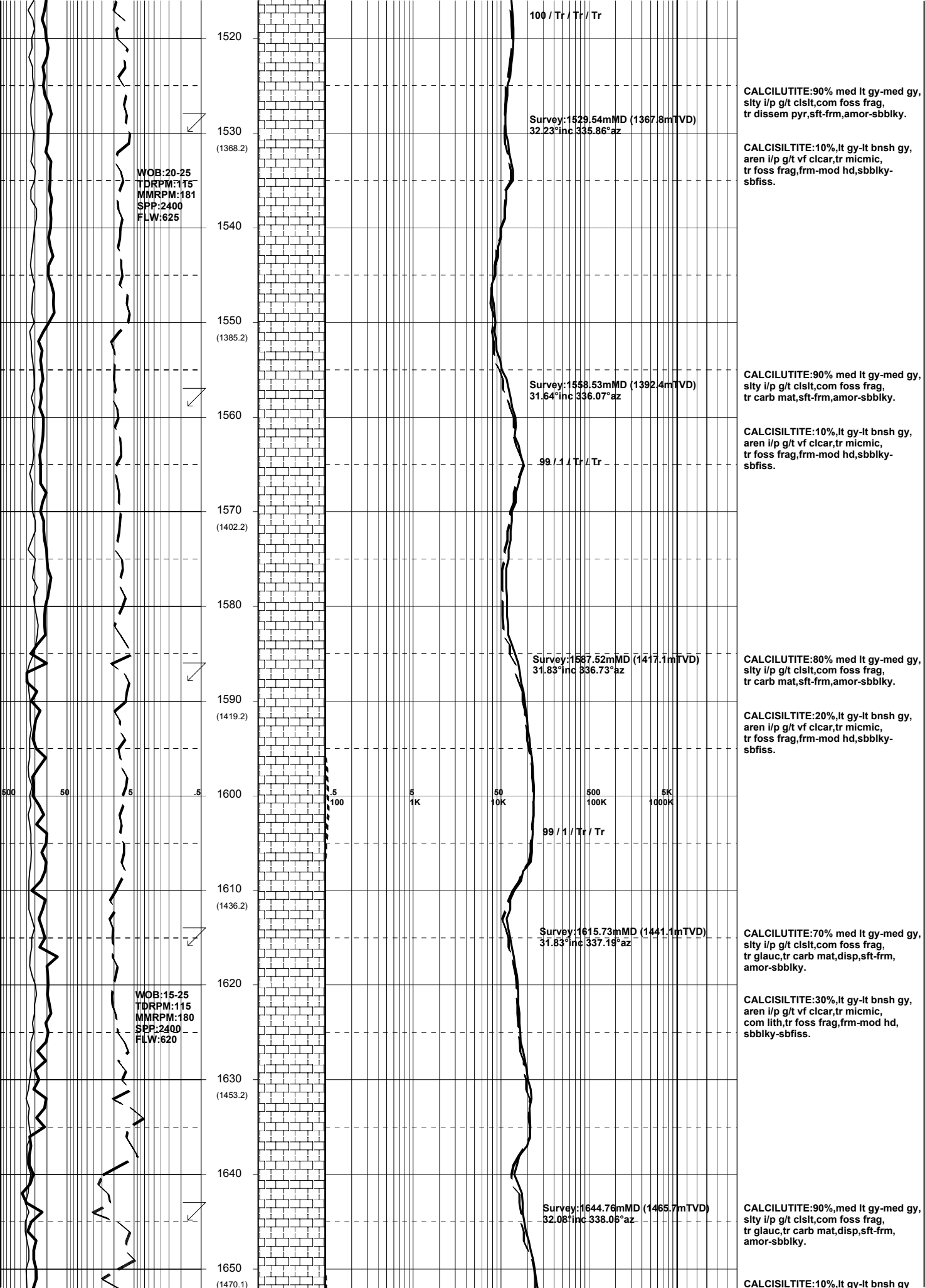
CALCILUTITE:70%,v lt gy-lt med gy,
sity i/p g/t clslt,tr lith,tr foss
frag,tr carb mat,tr glauc,sft-frm,
disp,amor-sbbiky.

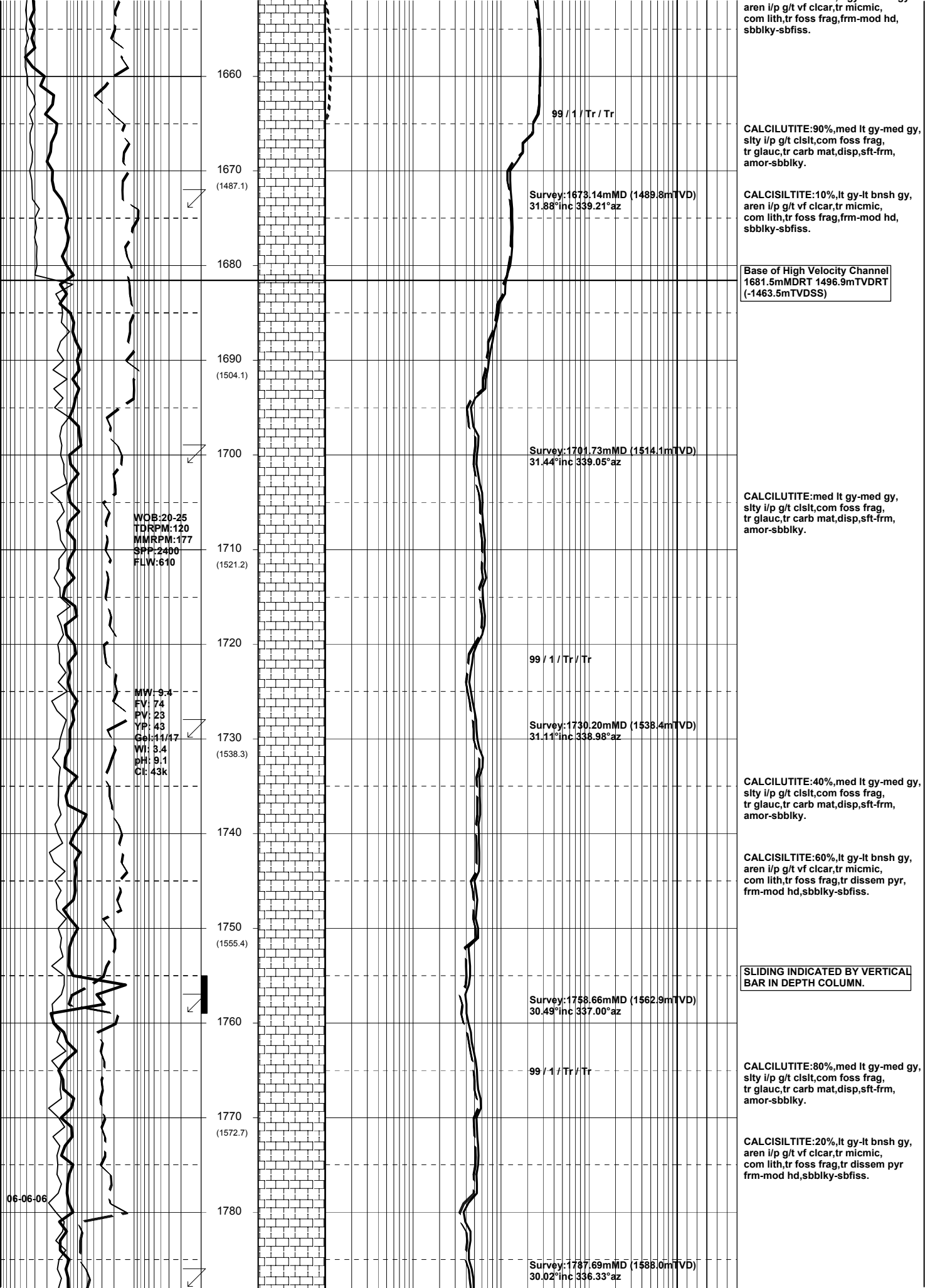
CALCISILTITE:30%,lt gy-lt bnsh gy,
arg i/p,aren i/p g/t cclar,tr micmic,
tr foss frag,tr glauc,frm-occ mod
hd,sbbiky.

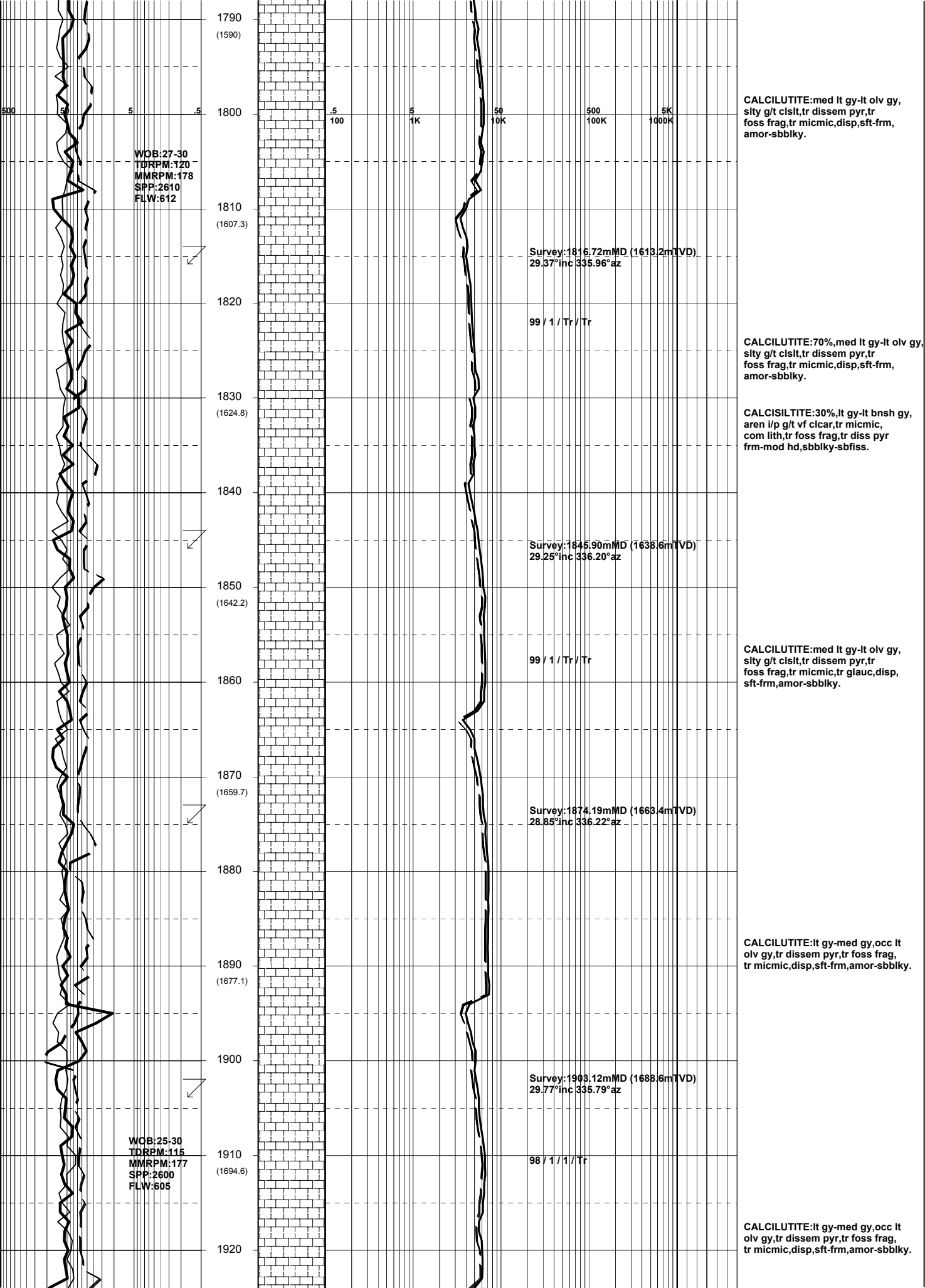
CALCILUTITE:70%,v lt gy-lt gy,sity
i/p g/t clslt,tr lith,tr foss frag,
tr carb mat,sft-frm,disp,amor,
occ sbbiky.

CALCISILTITE:30%,lt gy-lt bnsh
gy,aren i/p g/t vf cclar,tr
micmic,tr foss frag,frm-mod hd,
sbfiss-sbbiky.









WOB:27-30
 TDRPM:120
 MMRPM:178
 SPP:2610
 FLW:612

WOB:25-30
 TDRPM:115
 MMRPM:177
 SPP:2600
 FLW:605

1790
 (1590)
 1800
 1810
 (1607.3)
 1820
 1830
 (1624.8)
 1840
 1850
 (1642.2)
 1860
 1870
 (1659.7)
 1880
 1890
 (1677.1)
 1900
 1910
 (1694.6)
 1920

5 100 5 1K 50 10K 500 100K 5K 100K

Survey:1816.72mMD (1613.2mTVD)
 29.37°inc 335.96°az

99 / 1 / Tr / Tr

Survey:1845.90mMD (1638.6mTVD)
 29.25°inc 336.20°az

99 / 1 / Tr / Tr

Survey:1874.19mMD (1663.4mTVD)
 28.85°inc 336.22°az

Survey:1903.12mMD (1688.6mTVD)
 29.77°inc 335.79°az

98 / 1 / 1 / Tr

CALCILUTITE:med lt gy-lt olv gy,
 slty g/t clslt,tr dissep pyr,tr
 foss frag,tr micmic,disp,sft-frm,
 amor-sbblky.

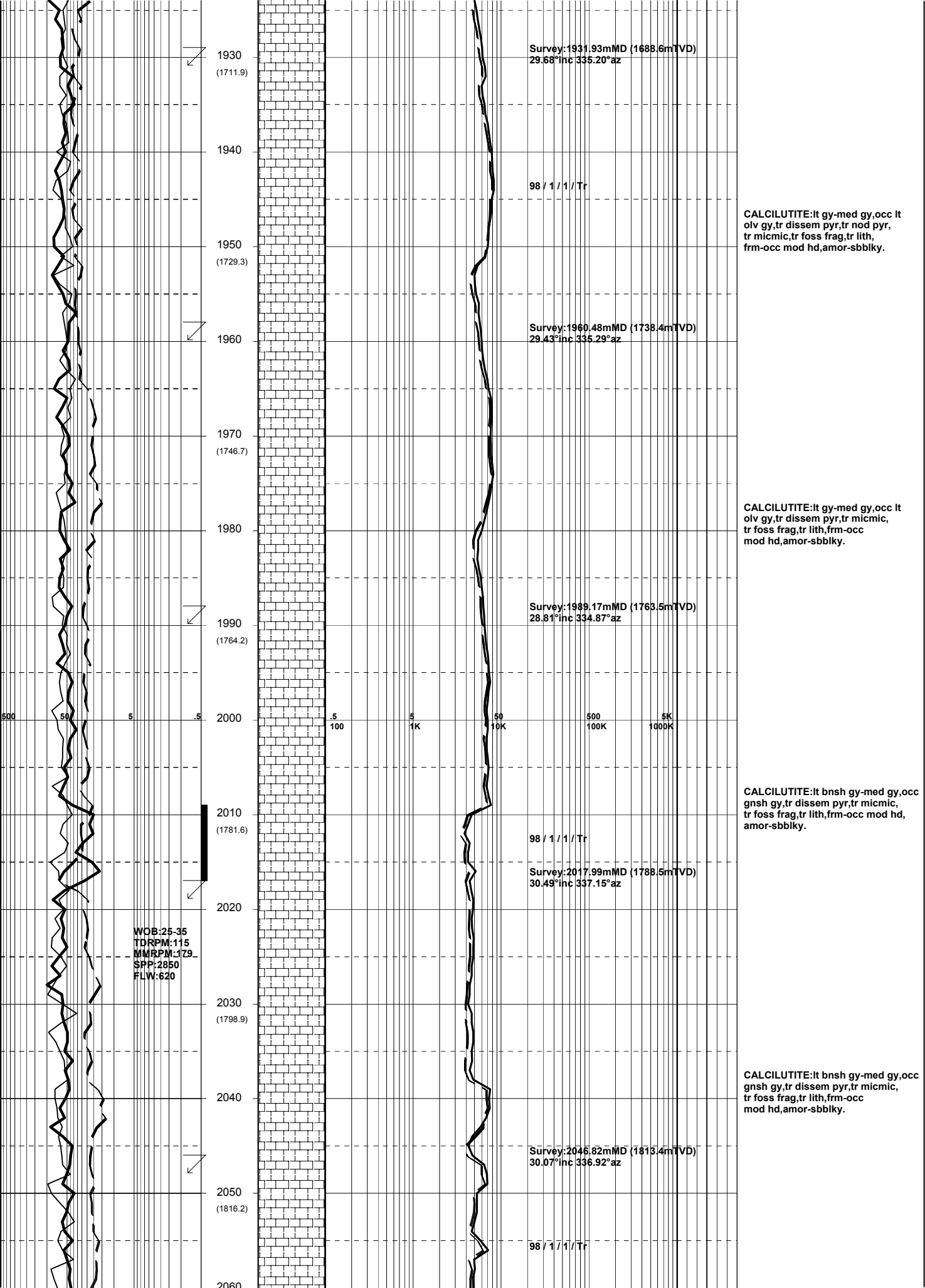
CALCILUTITE:70%,med lt gy-lt olv gy,
 slty g/t clslt,tr dissep pyr,tr
 foss frag,tr micmic,disp,sft-frm,
 amor-sbblky.

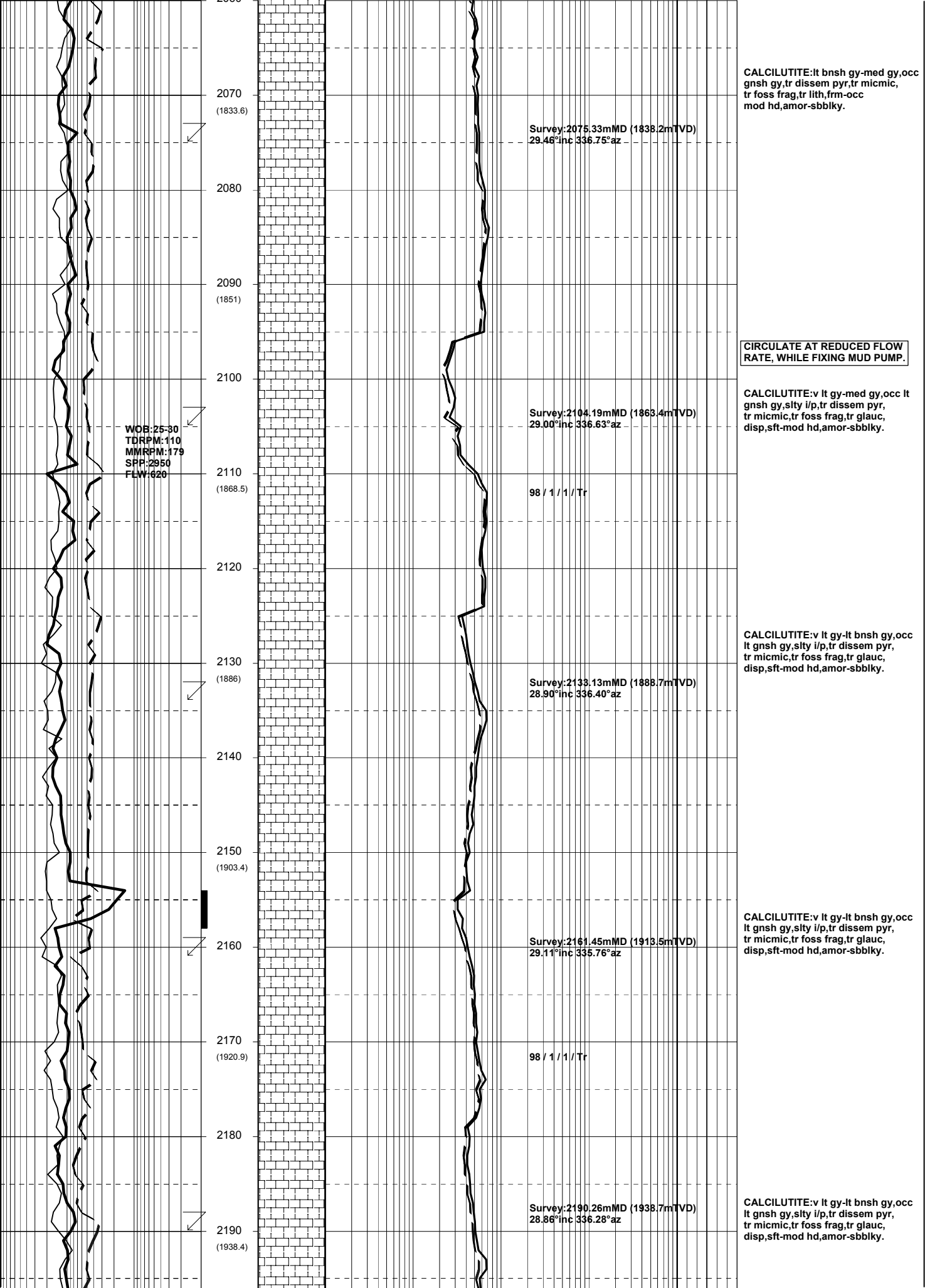
CALCILUTITE:30%,lt gy-lt bnsh gy,
 aren l/p g/t vf clcar,tr micmic,
 com lith,tr foss frag,tr diss pyr
 frm-mod hd,sbblky-sbfbss.

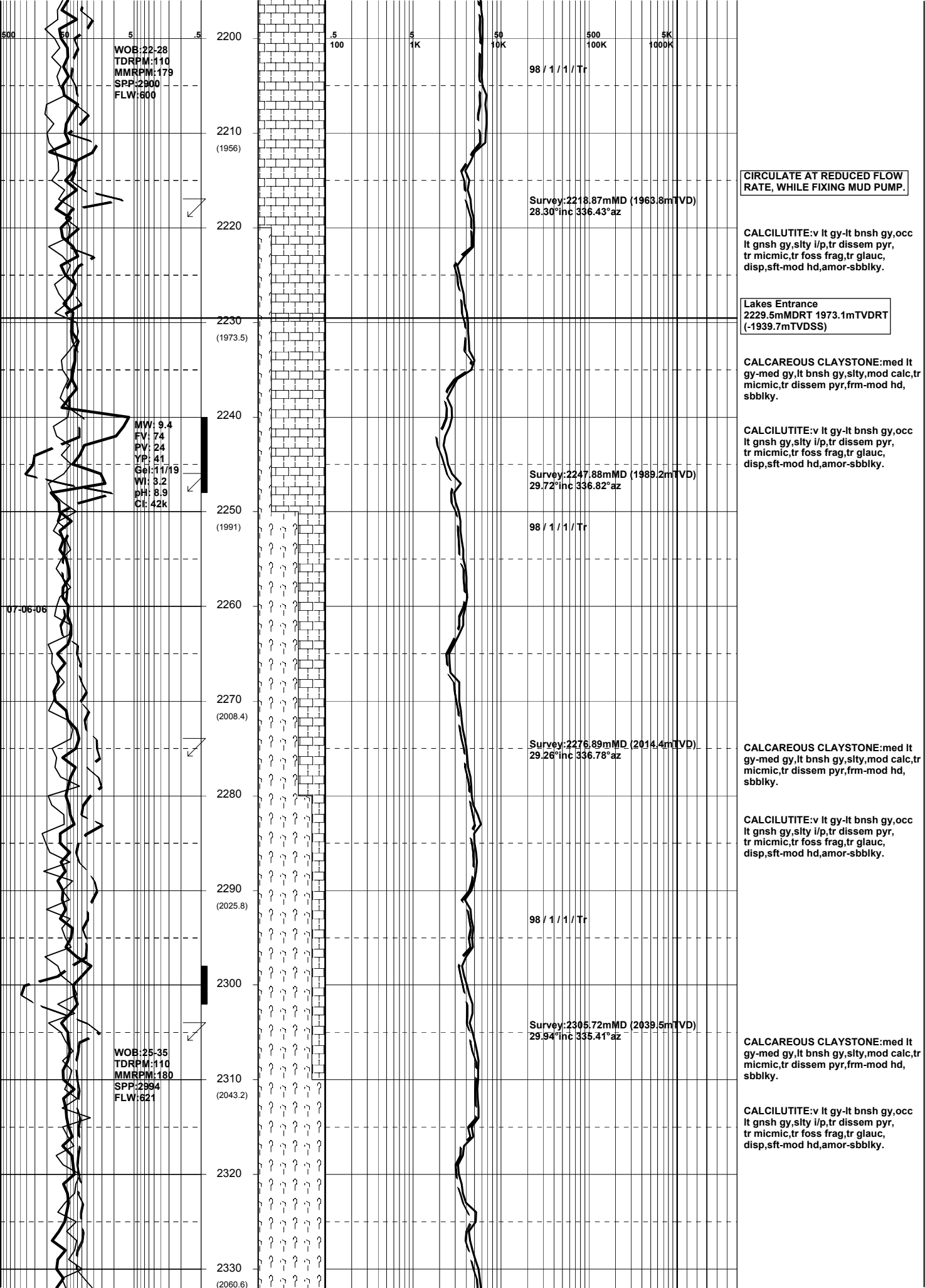
CALCILUTITE:med lt gy-lt olv gy,
 slty g/t clslt,tr dissep pyr,tr
 foss frag,tr micmic,tr glauc,disp,
 sft-frm,amor-sbblky.

CALCILUTITE:lt gy-med gy,occ lt
 olv gy,tr dissep pyr,tr foss frag,
 tr micmic,disp,sft-frm,amor-sbblky.

CALCILUTITE:lt gy-med gy,occ lt
 olv gy,tr dissep pyr,tr foss frag,
 tr micmic,disp,sft-frm,amor-sbblky.







WOB:22-28
 TDRPM:110
 MMRPM:179
 SPP:2900
 FLW:600

98 / 1 / 1 / Tr

CIRCULATE AT REDUCED FLOW RATE, WHILE FIXING MUD PUMP.

Survey:2218.87mMD (1963.8mTVD)
 28.30°inc 336.43°az

CALCILUTITE:v lt gy-lt bnsh gy,occ
 lt gnsh gy,silty i/p,tr dissem pyr,
 tr micmic,tr foss frag,tr glauc,
 disp,sft-mod hd,amor-sbblky.

Lakes Entrance
 2229.5mMDRT 1973.1mTVDRT
 (-1939.7mTVDSS)

CALCAREOUS CLAYSTONE:med lt
 gy-med gy,lt bnsh gy,silty,mod calc,tr
 micmic,tr dissem pyr,frm-mod hd,
 sbblky.

MW: 9.4
 FV: 74
 PV: 24
 YP: 41
 Gel: 11/19
 WI: 3.2
 pH: 8.9
 Cl: 42k

Survey:2247.88mMD (1989.2mTVD)
 29.72°inc 336.82°az

CALCILUTITE:v lt gy-lt bnsh gy,occ
 lt gnsh gy,silty i/p,tr dissem pyr,
 tr micmic,tr foss frag,tr glauc,
 disp,sft-mod hd,amor-sbblky.

98 / 1 / 1 / Tr

Survey:2276.89mMD (2014.4mTVD)
 29.26°inc 336.78°az

CALCAREOUS CLAYSTONE:med lt
 gy-med gy,lt bnsh gy,silty,mod calc,tr
 micmic,tr dissem pyr,frm-mod hd,
 sbblky.

CALCILUTITE:v lt gy-lt bnsh gy,occ
 lt gnsh gy,silty i/p,tr dissem pyr,
 tr micmic,tr foss frag,tr glauc,
 disp,sft-mod hd,amor-sbblky.

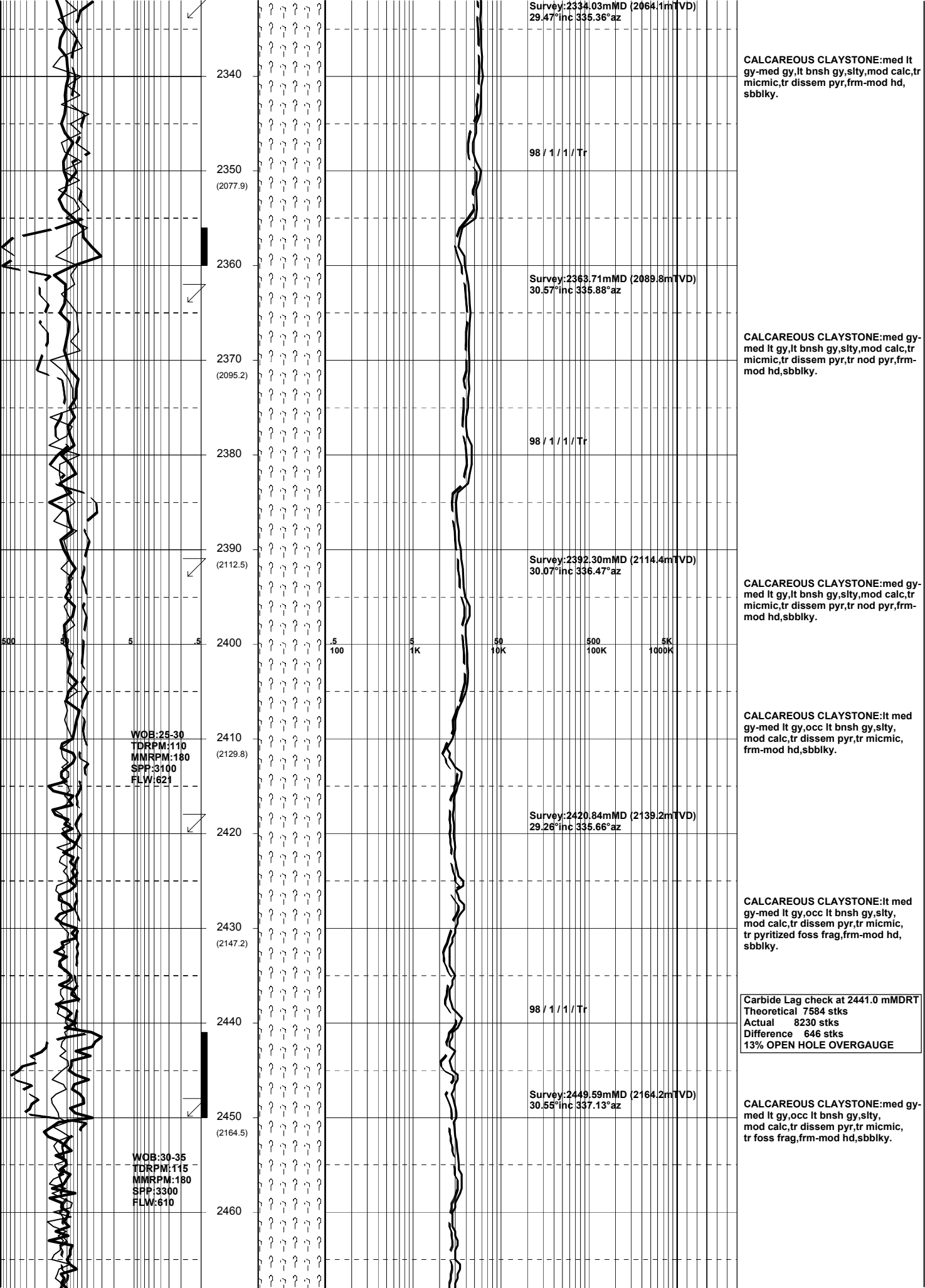
98 / 1 / 1 / Tr

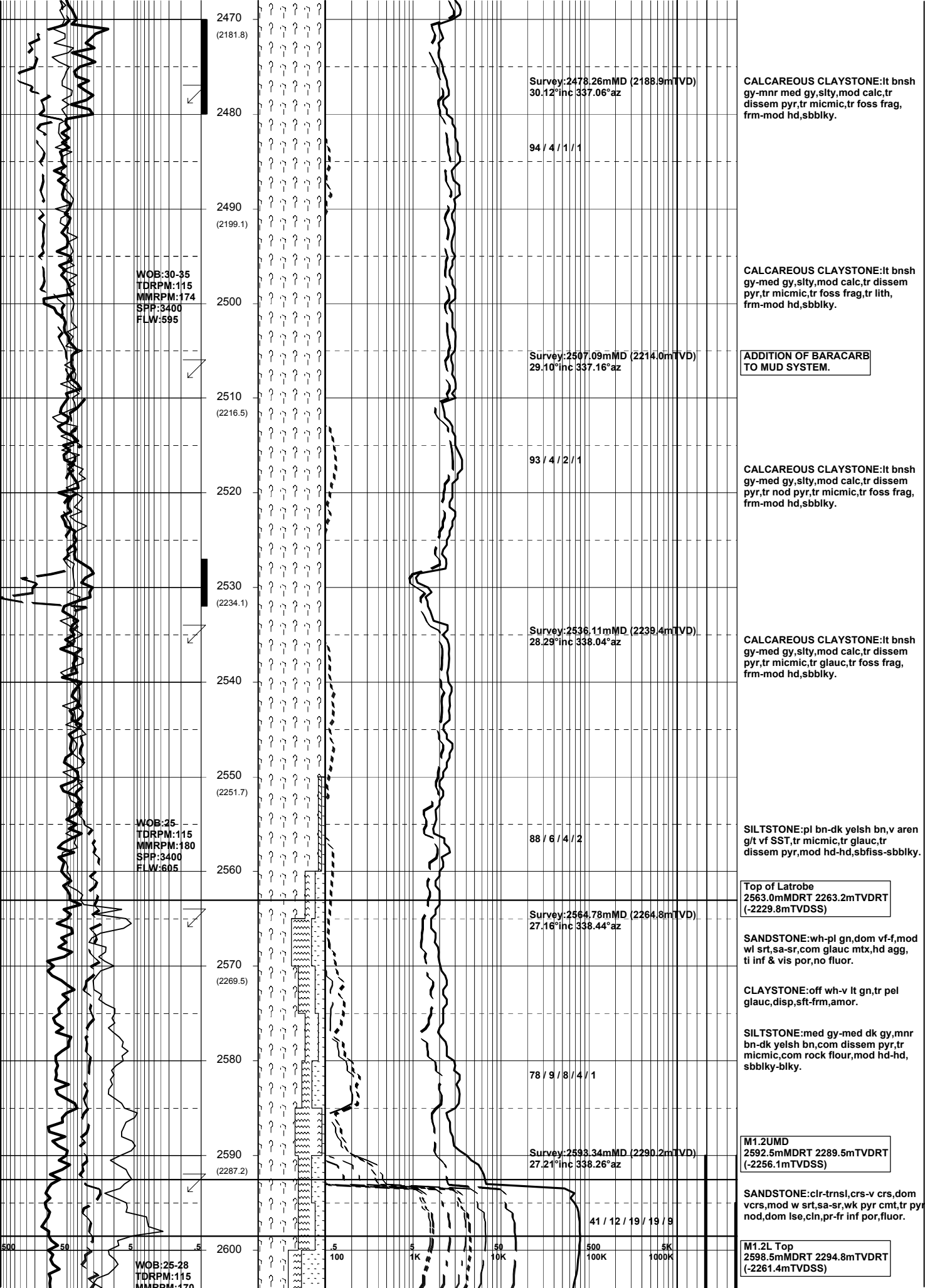
Survey:2305.72mMD (2039.5mTVD)
 29.94°inc 335.41°az

CALCAREOUS CLAYSTONE:med lt
 gy-med gy,lt bnsh gy,silty,mod calc,tr
 micmic,tr dissem pyr,frm-mod hd,
 sbblky.

WOB:25-35
 TDRPM:110
 MMRPM:180
 SPP:2984
 FLW:621

CALCILUTITE:v lt gy-lt bnsh gy,occ
 lt gnsh gy,silty i/p,tr dissem pyr,
 tr micmic,tr foss frag,tr glauc,
 disp,sft-mod hd,amor-sbblky.





2470 (2181.8)
 2480
 2490 (2199.1)
 2500
 2510 (2216.5)
 2520
 2530 (2234.1)
 2540
 2550 (2251.7)
 2560
 2570 (2269.5)
 2580
 2590 (2287.2)
 2600

WOB:30-35
 TDRPM:115
 MMRPM:174
 SPP:3400
 FLW:595

WOB:25
 TDRPM:115
 MMRPM:180
 SPP:3400
 FLW:605

WOB:25-28
 TDRPM:115
 MMRPM:170

Survey:2478.26mMD (2188.9mTVD)
 30.12°inc 337.06°az

94 / 4 / 1 / 1

Survey:2507.09mMD (2214.0mTVD)
 29.10°inc 337.16°az

93 / 4 / 2 / 1

Survey:2536.11mMD (2239.4mTVD)
 28.29°inc 338.04°az

88 / 6 / 4 / 2

Survey:2564.78mMD (2264.8mTVD)
 27.16°inc 338.44°az

78 / 9 / 8 / 4 / 1

Survey:2593.34mMD (2290.2mTVD)
 27.21°inc 338.26°az

41 / 12 / 19 / 19 / 9

CALCAREOUS CLAYSTONE:lt bnsh gy-mnr med gy,slty,mod calc,tr dissem pyr,tr micmic,tr foss frag, frm-mod hd,sbbkly.

CALCAREOUS CLAYSTONE:lt bnsh gy-med gy,slty,mod calc,tr dissem pyr,tr micmic,tr foss frag,tr lith, frm-mod hd,sbbkly.

ADDITION OF BARACARB TO MUD SYSTEM.

CALCAREOUS CLAYSTONE:lt bnsh gy-med gy,slty,mod calc,tr dissem pyr,tr nod pyr,tr micmic,tr foss frag, frm-mod hd,sbbkly.

CALCAREOUS CLAYSTONE:lt bnsh gy-med gy,slty,mod calc,tr dissem pyr,tr micmic,tr glauc,tr foss frag, frm-mod hd,sbbkly.

SILTSTONE:pl bn-dk yelsh bn,v aren g/t vf SST,tr micmic,tr glauc,tr dissem pyr,mod hd-hd,sbfiss-sbbkly.

Top of Latrobe
 2563.0mMDRT 2263.2mTVDRT
 (-2229.8mTVDSS)

SANDSTONE:wh-pl gn,dom vf-f,mod wl srt,sa-sr,com glauc mtx,hd agg, ti inf & vis por,no fluor.

CLAYSTONE:off wh-v lt gn,tr pel glauc,disp,sft-frm,amor.

SILTSTONE:med gy-med dk gy,mnr bn-dk yelsh bn,com dissem pyr,tr micmic,com rock flour,mod hd-hd, sbbkly-bkly.

M1.2UMD
 2592.5mMDRT 2289.5mTVDRT
 (-2256.1mTVDSS)

SANDSTONE:clr-trnsl,crs-v crs,dom vcrs,mod w srt,sa-sr,wk pyr cmt,tr pyr nod,dom lse,cln,pr-fr inf por,fluor.

M1.2L Top
 2598.5mMDRT 2294.8mTVDRT
 (-2261.4mTVDSS)

500 50 5 5

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

MMRPM:170
SPP:3400
FLW:585

2610
(2305)

44 / 13 / 19 / 17 / 7

FLUOR:2590-2610m Tr-5% dll-mod brt,sptd pl yelsh fluor,slw-mod fast blooming dir cut,dll-mod brt,wh-pl gn ptchy-thn ring/film res.

PSB7 (Top of M1.3U)
2612.0mMDRT 2306.8mTVDRT
(-2273.4mTVDSS)

2620

Survey:2621.58mMD (2315.3mTVD)
27.41°inc 337.56°az

PSB6 (Top of PS5 sand)
2616.0mMDRT 2310.3mTVDRT
(-2276.9mTVDSS)

PSB5 (Top of PS4 sand)
2620.0mMDRT 2313.9mTVDRT
(-2280.5mTVDSS)

2630
(2322.9)

40 / 13 / 20 / 19 / 8

PSB4 (Top of PS3 sand)
2632.0mMDRT 2324.5mTVDRT
(-2291.1mTVDSS)

FLUOR:2610-2650m 20-30% mod brt-brt even yelsh gn fluor,mod fast-fast blooming dir cut,dll-mod brt wh-pl gn ptchy-thk film/ring res.

MW: 9.7
FV: 79
PV: 27
YP: 40
Gel: 10/18
Wt: 3.0
pH: 8.9
Cl: 40k

2650
(2340.9)

Survey:2650.13mMD (2340.6mTVD)
27.81°inc 336.15°az

PSB3 (Top of PS2 sand)
2642.0mMDRT 2333.4mTVDRT
(-2300.0mTVDSS)

FLUOR:2640-2655m Tr-7% mod brt pnpt pl yelsh gn fluor,v slw diff dir cut,thn pl gn ring res.

SANDSTONE:clr-trnsl,dom med occ v crs,mod w srt,sr-sa,tr pyr cmt, tr pyr nod,rr hd agg,com rock flour, fr inf/vis por,fluor.

2660

40 / 13 / 20 / 19 / 8

Top of M1.4U
2662.0mMDRT 2351.1mTVDRT
(-2317.7mTVDSS)

Survey:2667.00mMD (2358.6mTVD)
26.98°inc 335.29°az

M1.4C (Coal)
2667.0mMDRT 2355.6mTVDRT
(-2322.2mTVDSS)

WOB:25-28
TDRPM:116
MMRPM:168
SPP:3350
FLW:580

2670
(2358.4)

SANDSTONE:clr-trnsl,dom med-v crs,mod w srt,sr-sa,wk pyr cmt, tr pyr nod,wk sil cmt,occ hd agg,pr fr inf/vis por,fluor.

CLAYSTONE:off wh-lt gy,sft,disp, amor,com rock flour.

SILTSTONE:lt bn-pl yelsh bn, v aren,g/t vf SST,tr micmic,frm-mod hd,com rock flour,sbfiss-sbbilky.

2690

Projection to TD
Survey:2687.00mMDRT (2373.41mTVDRT)
26.98°inc 335.29°az

WKF W-19A reached Total Depth of 2687.0m MDRT 2373.4m TVDRT (-2340.0m TVDSS) at 20:00 hours on 07-06-2006.

500	ROP (m/hr)	5	.5
50			
50	WOB (tons)	25	0
0	MWD Gamma Ray (api)	100	200

Total gas in Units / Chromatograph in ppm			
.5	5	50	500
100	1K	10K	100K
.5	5	50	500
100	1K	10K	100K

Run Precision Energy Services compact shuttle logging from 2684.0m MDRT to 2471.7m MDRT, 1240.0m MDRT to 666.0m MDRT MCG-MDN-MPD-MDL-MSS-MAI

2700

2710

2720